

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090222\
 Data File : BF130107.D
 Acq On : 02 Sep 2022 12:59
 Operator : CG\JU
 Sample : N4295-05MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 XRDS-RECYCLED-SAND-SP-A-COMPMSD

Quant Time: Sep 03 05:42:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 31 18:15:32 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 09/06/2022
 Supervised By : Jagrut Upadhyay 09/06/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.704	152	230975	20.000	ng	0.00
21) Naphthalene-d8	7.987	136	909702	20.000	ng	# 0.00
39) Acenaphthene-d10	9.739	164	483767	20.000	ng	0.00
64) Phenanthrene-d10	11.222	188	793187	20.000	ng	0.00
76) Chrysene-d12	13.851	240	434695	20.000	ng	0.00
86) Perylene-d12	15.251	264	393538	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.304	112	933389	68.604	ng	0.00
7) Phenol-d6	6.328	99	763834	45.032	ng	-0.02
23) Nitrobenzene-d5	7.275	82	1395442	98.581	ng	0.00
42) 2,4,6-Tribromophenol	10.528	330	650692	147.763	ng	0.00
45) 2-Fluorobiphenyl	9.069	172	2422173	83.012	ng	0.00
79) Terphenyl-d14	12.804	244	2339991	93.349	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.410	88	134596	21.168	ng	94
3) Pyridine	3.105	79	328136	19.245	ng	93
4) n-Nitrosodimethylamine	3.046	42	146215	21.806	ng	85
6) Aniline	6.369	93	658138	30.948	ng	# 49
8) 2-Chlorophenol	6.487	128	604743	40.496	ng	97
9) Benzaldehyde	6.251	77	414679	39.942	ng	98
10) Phenol	6.346	94	337067	17.580	ng	# 58
11) bis(2-Chloroethyl)ether	6.446	93	694858	47.699	ng	97
12) 1,3-Dichlorobenzene	6.646	146	696855	42.095	ng	97
13) 1,4-Dichlorobenzene	6.722	146	702866	42.151	ng	97
14) 1,2-Dichlorobenzene	6.875	146	680026	44.862	ng	97
15) Benzyl Alcohol	6.851	79	369696	32.336	ng	91
16) 2,2'-oxybis(1-Chloropr...	6.987	45	893960	45.154	ng	# 53
17) 2-Methylphenol	6.963	107	405277	32.257	ng	# 86
18) Hexachloroethane	7.216	117	253223	42.053	ng	94
19) n-Nitroso-di-n-propyla...	7.128	70	476270	46.607	ng	92
20) 3+4-Methylphenols	7.116	107	407607	27.665	ng	# 52
22) Acetophenone	7.122	105	965453	47.503	ng	# 94
24) Nitrobenzene	7.293	77	724272	48.111	ng	98
25) Isophorone	7.534	82	1402114	48.939	ng	97
26) 2-Nitrophenol	7.604	139	363795	51.191	ng	95
27) 2,4-Dimethylphenol	7.645	122	569855	47.402	ng	98
28) bis(2-Chloroethoxy)met...	7.745	93	897357	52.141	ng	98
29) 2,4-Dichlorophenol	7.845	162	563276	43.804	ng	99
30) 1,2,4-Trichlorobenzene	7.928	180	568742	41.947	ng	99
31) Naphthalene	8.010	128	1956072	42.633	ng	99
32) Benzoic acid	7.728	122	149922	19.755	ng	97
33) 4-Chloroaniline	8.057	127	517554	27.921	ng	98
34) Hexachlorobutadiene	8.128	225	309982	39.919	ng	99
35) Caprolactam	8.434	113	42010m	10.542	ng	
36) 4-Chloro-3-methylphenol	8.540	107	560425	43.070	ng	93
37) 2-Methylnaphthalene	8.698	142	1330515	45.018	ng	99
38) 1-Methylnaphthalene	8.798	142	1273865	44.343	ng	99
40) 1,2,4,5-Tetrachloroben...	8.863	216	553693	43.893	ng	99
41) Hexachlorocyclopentadiene	8.851	237	668645	101.423	ng	98
43) 2,4,6-Trichlorophenol	8.975	196	410143	45.549	ng	96

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 31 18:15:32 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

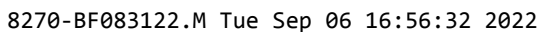
Reviewed By : Christian Giraldo 09/06/2022
 Supervised By : Jagrut Upadhyay 09/06/2022

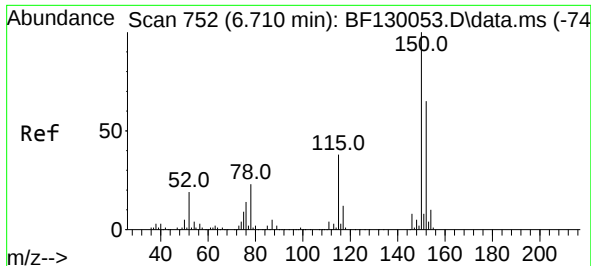
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.010	196	434555	44.525	ng	96
46) 1,1'-Biphenyl	9.163	154	1590533	45.255	ng	99
47) 2-Chloronaphthalene	9.187	162	1264158	44.892	ng	99
48) 2-Nitroaniline	9.287	65	382865	55.173	ng	90
49) Acenaphthylene	9.604	152	1928021	45.087	ng	99
50) Dimethylphthalate	9.475	163	1572928	47.736	ng	100
51) 2,6-Dinitrotoluene	9.534	165	351562	54.724	ng	87
52) Acenaphthene	9.775	154	1336366m	49.587	ng	
53) 3-Nitroaniline	9.698	138	242237	32.851	ng	96
54) 2,4-Dinitrophenol	9.804	184	317043	105.799	ng	90
55) Dibenzofuran	9.945	168	1755267	45.485	ng	99
56) 4-Nitrophenol	9.851	139	231760	40.767	ng	91
57) 2,4-Dinitrotoluene	9.934	165	441565	59.700	ng	# 85
58) Fluorene	10.286	166	1289046	43.901	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.063	232	343871	45.364	ng	# 80
60) Diethylphthalate	10.169	149	1500606	47.075	ng	99
61) 4-Chlorophenyl-phenyle...	10.281	204	585057	45.074	ng	97
62) 4-Nitroaniline	10.316	138	348969	48.662	ng	93
63) Azobenzene	10.445	77	1408518	44.878	ng	92
65) 4,6-Dinitro-2-methylph...	10.339	198	204420	53.889	ng	80
66) n-Nitrosodiphenylamine	10.404	169	1226349	46.250	ng	99
67) 4-Bromophenyl-phenylether	10.769	248	418994	47.491	ng	99
68) Hexachlorobenzene	10.828	284	456306	47.466	ng	97
69) Atrazine	10.933	200	395160	52.678	ng	97
70) Pentachlorophenol	11.022	266	514658	95.738	ng	95
71) Phenanthrene	11.245	178	1915168	44.523	ng	98
72) Anthracene	11.298	178	1923583	45.489	ng	99
73) Carbazole	11.451	167	1818016	46.623	ng	100
74) Di-n-butylphthalate	11.792	149	2226237	47.345	ng	99
75) Fluoranthene	12.428	202	1886931	44.236	ng	96
77) Benzidine	12.551	184	646402	55.077	ng	99
78) Pyrene	12.657	202	1869713	47.954	ng	98
80) Butylbenzylphthalate	13.280	149	850117	54.817	ng	96
81) Benzo(a)anthracene	13.839	228	1349832	45.312	ng	99
82) 3,3'-Dichlorobenzidine	13.810	252	313567	33.753	ng	98
83) Chrysene	13.880	228	1325348	45.126	ng	99
84) Bis(2-ethylhexyl)phtha...	13.845	149	993636	51.546	ng	99
85) Di-n-octyl phthalate	14.451	149	1650205	54.194	ng	98
87) Indeno(1,2,3-cd)pyrene	16.604	276	1349237	51.975	ng	95
88) Benzo(b)fluoranthene	14.857	252	1293617	49.292	ng	99
89) Benzo(k)fluoranthene	14.880	252	1153617	45.451	ng	97
90) Benzo(a)pyrene	15.192	252	1062374	50.944	ng	# 97
91) Dibenzo(a,h)anthracene	16.621	278	1175764	55.352	ng	# 97
92) Benzo(g,h,i)perylene	17.015	276	1187636	55.882	ng	# 93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations APPROVED

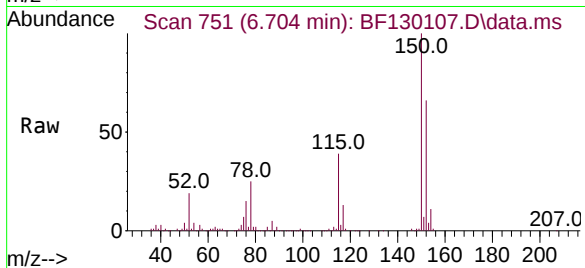
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.704 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF130107.D
 Acq: 02 Sep 2022 12:59

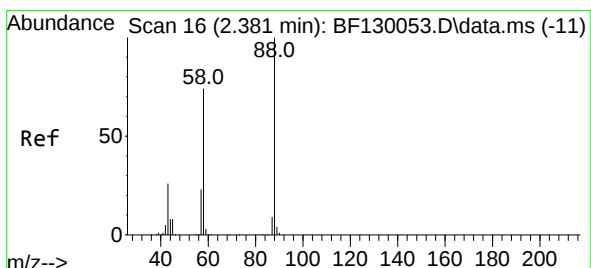
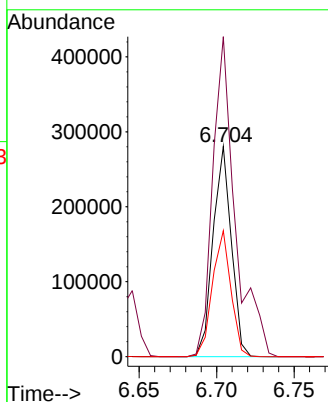
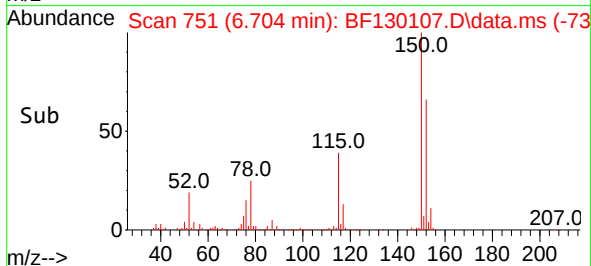
Instrument :
 BNA_F
 ClientSampleId :
 XRDS-RECYCLED-SAND-SP-A-COMPMSD



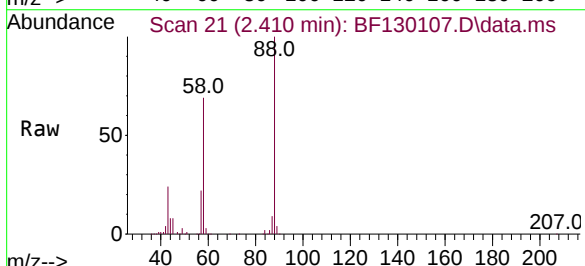
Tgt Ion: 152 Resp: 230975
 Ion Ratio Lower Upper
 152 100
 150 152.2 126.9 190.3
 115 59.9 53.4 80.0

Manual Integrations
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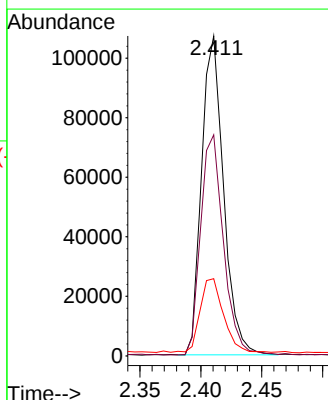
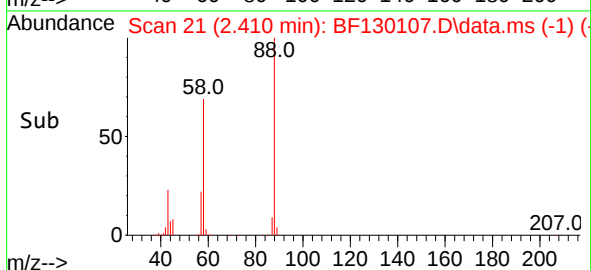
Reviewed By : Christian Giraldo 09/06/2022
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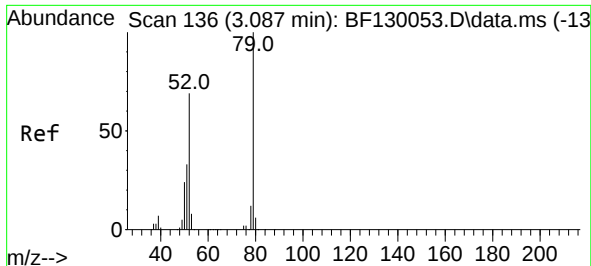


#2
 1,4-Dioxane
 Concen: 21.168 ng
 RT: 2.410 min Scan# 21
 Delta R.T. 0.030 min
 Lab File: BF130107.D
 Acq: 02 Sep 2022 12:59



Tgt Ion: 88 Resp: 134596
 Ion Ratio Lower Upper
 88 100
 58 71.6 60.9 91.3
 43 24.3 23.6 35.4





#3

Pyridine

Concen: 19.245 ng

RT: 3.105 min Scan# 136

Delta R.T. 0.018 min

Lab File: BF130107.D

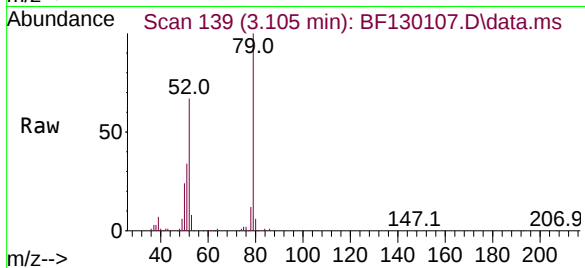
Acq: 02 Sep 2022 12:59

Instrument :

BNA_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMPMSD

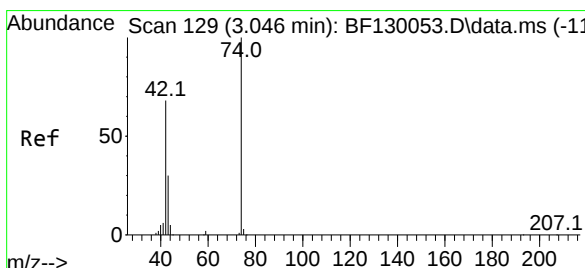
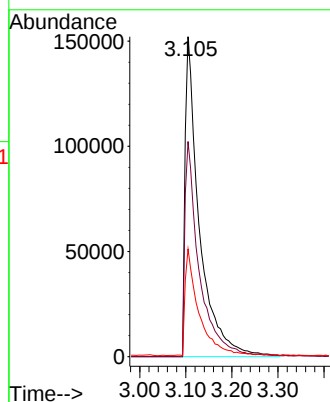
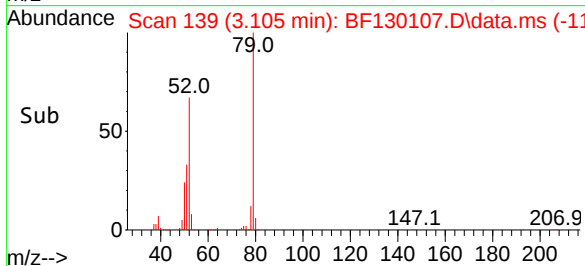


Tgt Ion:	79	Resp:	328136
Ion Ratio	Lower	Upper	
79	100		
52	67.2	59.4	89.2
51	33.6	29.5	44.3

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/06/2022



#4

n-Nitrosodimethylamine

Concen: 21.806 ng

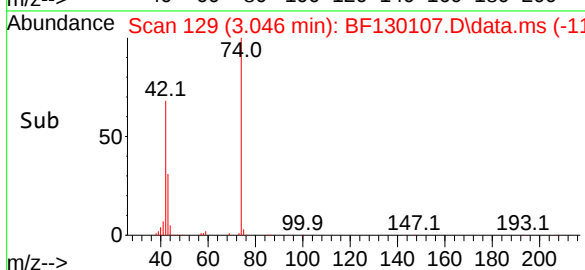
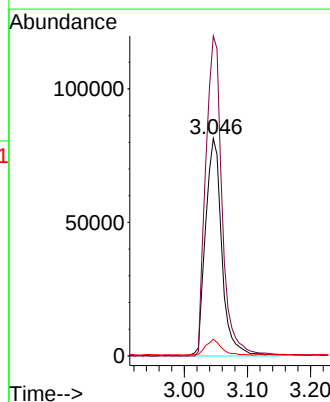
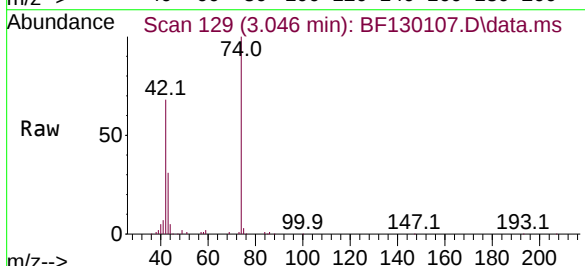
RT: 3.046 min Scan# 129

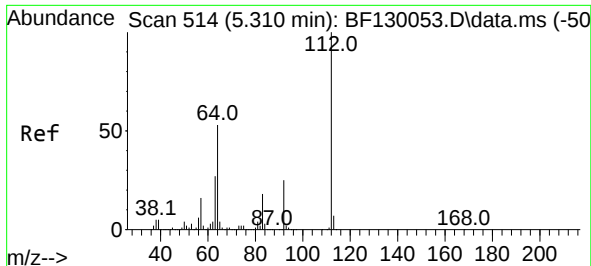
Delta R.T. 0.000 min

Lab File: BF130107.D

Acq: 02 Sep 2022 12:59

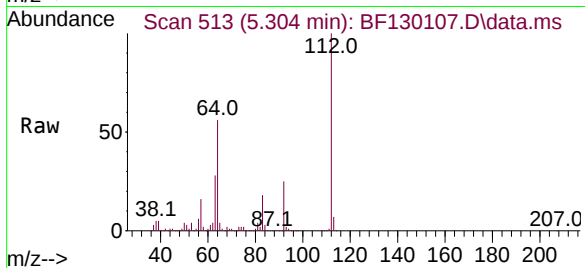
Tgt Ion:	42	Resp:	146215
Ion Ratio	Lower	Upper	
42	100		
74	147.2	103.1	154.7
44	7.7	5.4	8.2





#5
2-Fluorophenol
Concen: 68.604 ng
RT: 5.304 min Scan# 514
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

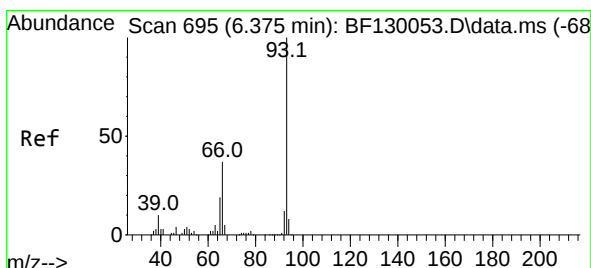
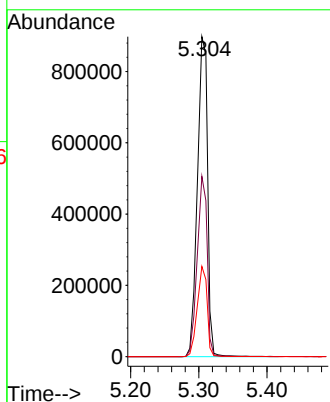
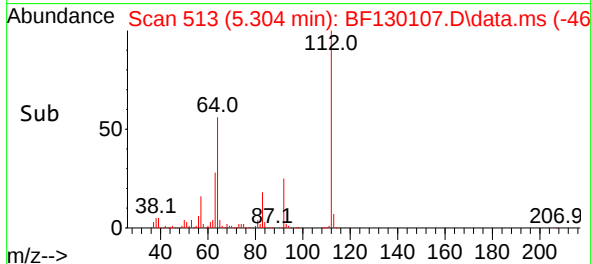
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion:112 Resp: 933389
Ion Ratio Lower Upper
112 100
64 56.3 47.6 71.4
63 28.2 24.6 37.0

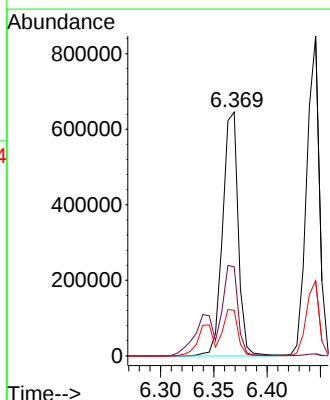
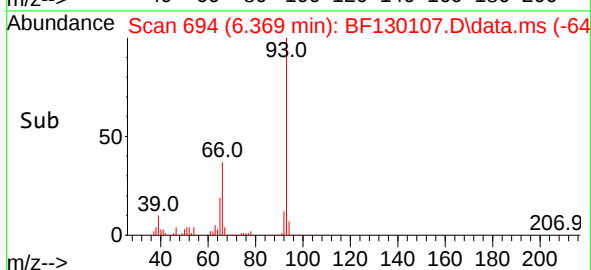
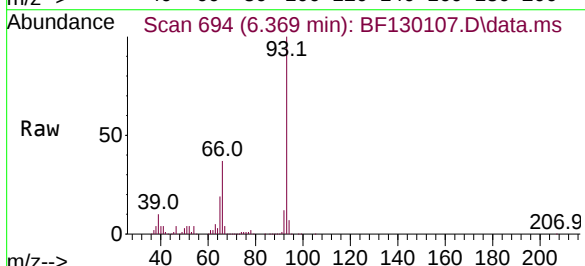
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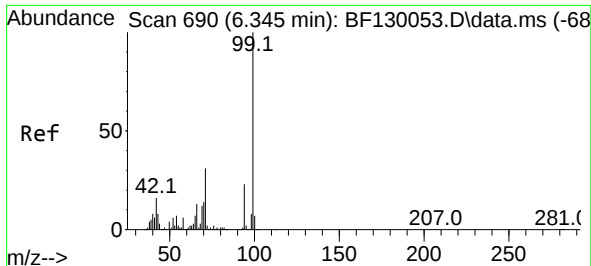
Reviewed By :Christian Giraldo 09/06/2022
Supervised By :Jagrut Upadhyay 09/06/2022



#6
Aniline
Concen: 30.948 ng
RT: 6.369 min Scan# 694
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

Tgt Ion: 93 Resp: 658138
Ion Ratio Lower Upper
93 100
66 36.5 68.7 103.1#
65 18.6 41.6 62.4#





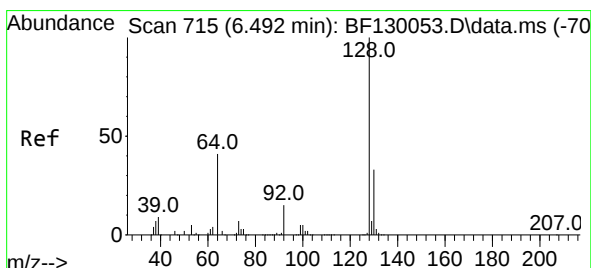
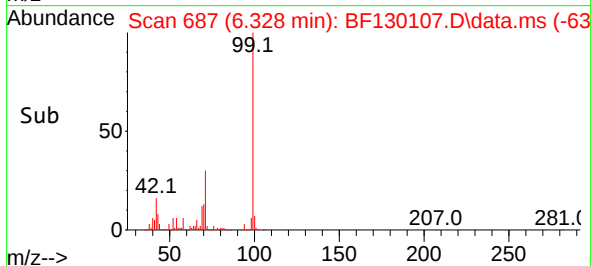
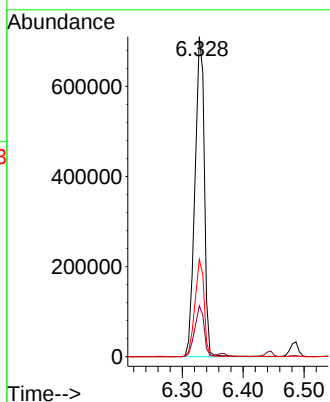
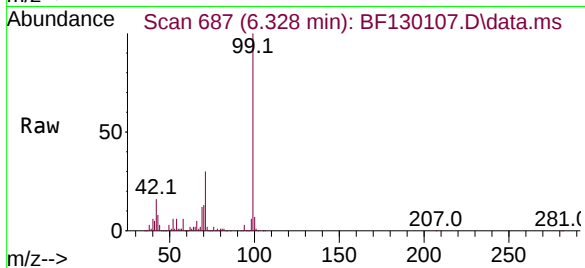
#7
Phenol-d6
Concen: 45.032 ng
RT: 6.328 min Scan# 687
Delta R.T. -0.018 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

Instrument :
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ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD

Tgt Ion: 99 Resp: 763834
Ion Ratio Lower Upper
99 100
42 15.9 15.0 22.4
71 30.3 28.8 43.2

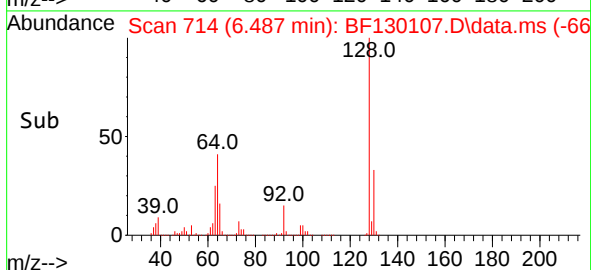
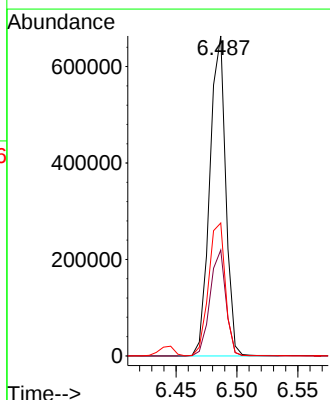
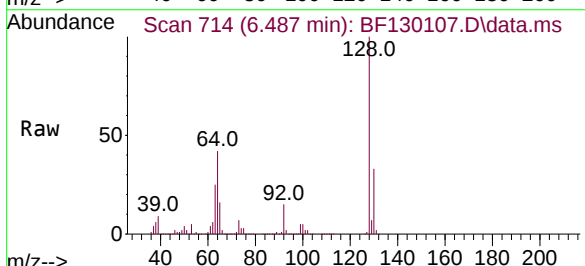
Manual Integrations
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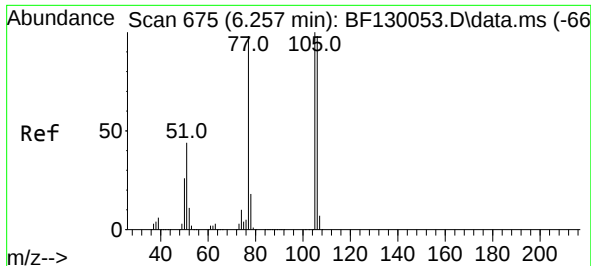
Reviewed By :Christian Giraldo 09/06/2022
Supervised By :Jagrut Upadhyay 09/06/2022



#8
2-Chlorophenol
Concen: 40.496 ng
RT: 6.487 min Scan# 714
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

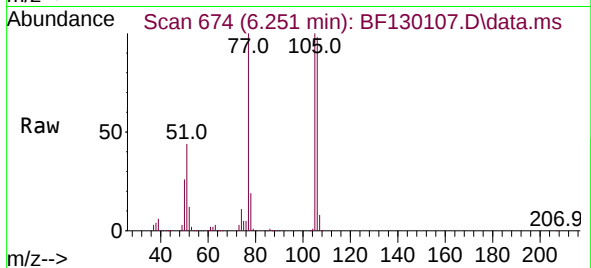
Tgt Ion:128 Resp: 604743
Ion Ratio Lower Upper
128 100
130 33.1 12.5 52.5
64 41.5 24.9 64.9





#9
Benzaldehyde
Concen: 39.942 ng
RT: 6.251 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

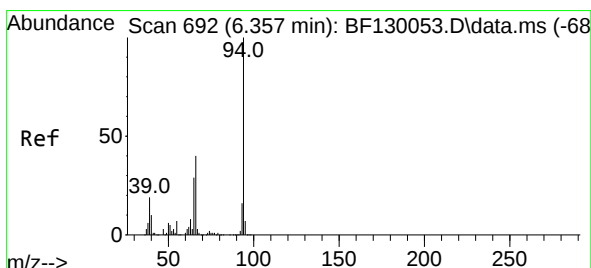
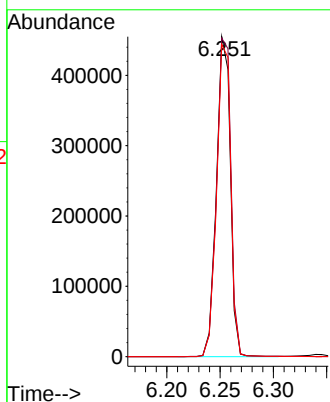
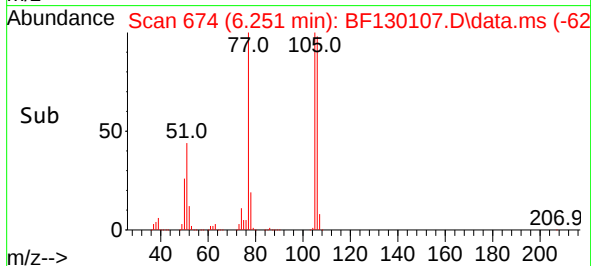
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion: 77 Resp: 414679
Ion Ratio Lower Upper
77 100
105 99.5 80.3 120.3
106 97.7 74.3 114.3

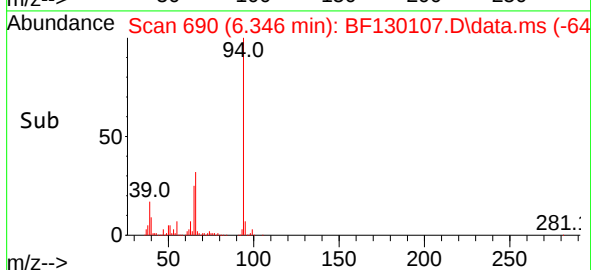
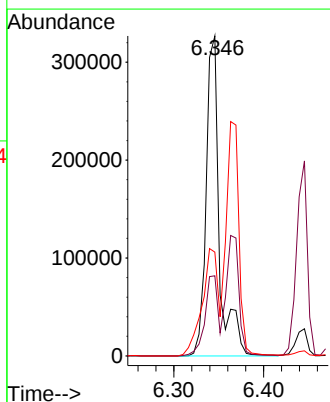
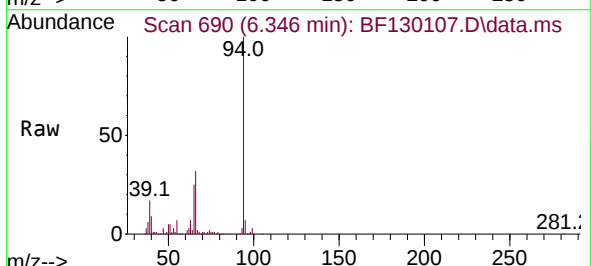
Manual Integrations
APPROVED

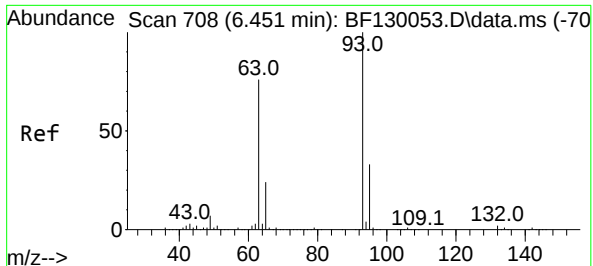
Reviewed By :Christian Giraldo 09/06/2022
Supervised By :Jagrut Upadhyay 09/06/2022



#10
Phenol
Concen: 17.580 ng
RT: 6.346 min Scan# 690
Delta R.T. -0.012 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

Tgt Ion: 94 Resp: 337067
Ion Ratio Lower Upper
94 100
65 25.0 24.9 64.9
66 32.4 54.2 94.2#





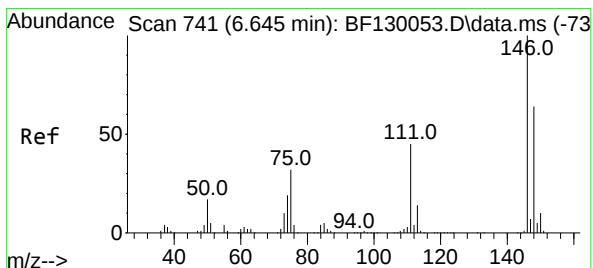
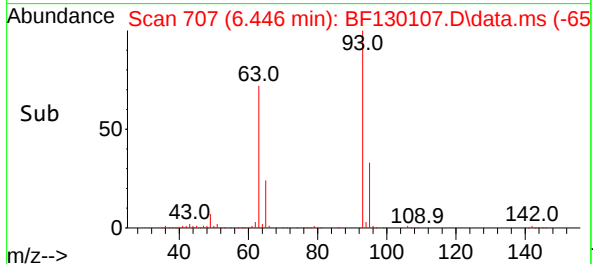
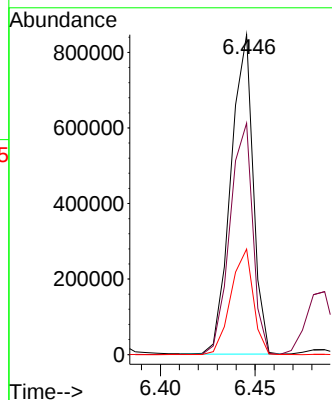
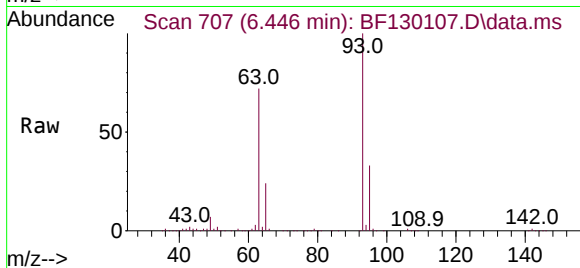
#11
bis(2-Chloroethyl)ether
Concen: 47.699 ng
RT: 6.446 min Scan# 708
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

Instrument : BNA_F
Client Sample Id : XRDS-RECYCLED-SAND-SP-A-COMPMSD

Tgt Ion: 93 Resp: 694858
Ion Ratio Lower Upper
93 100
63 72.3 55.9 95.9
95 33.0 12.3 52.3

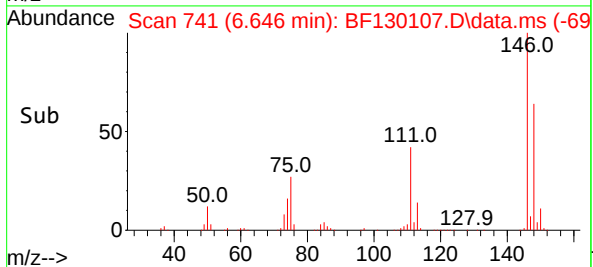
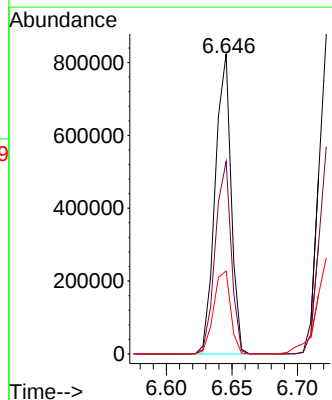
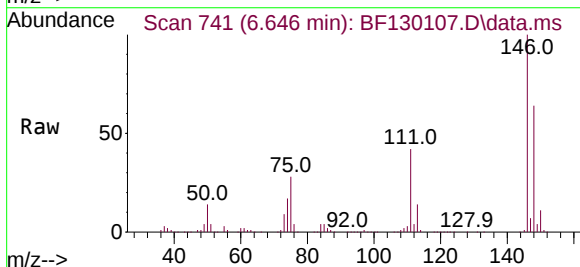
Manual Integrations
APPROVED

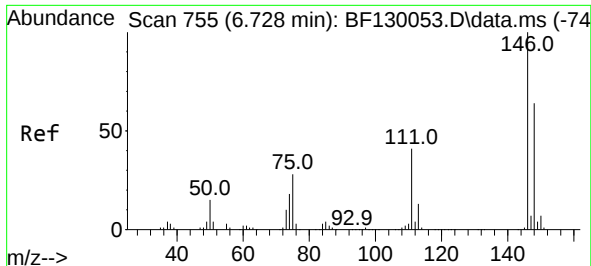
Reviewed By : Christian Giraldo 09/06/2022
Supervised By : Jagrut Upadhyay 09/06/2022



#12
1,3-Dichlorobenzene
Concen: 42.095 ng
RT: 6.646 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

Tgt Ion: 146 Resp: 696855
Ion Ratio Lower Upper
146 100
148 64.1 51.2 76.8
75 27.6 26.5 39.7





#13

1,4-Dichlorobenzene

Concen: 42.151 ng

RT: 6.722 min Scan# 70

Delta R.T. -0.006 min

Lab File: BF130107.D

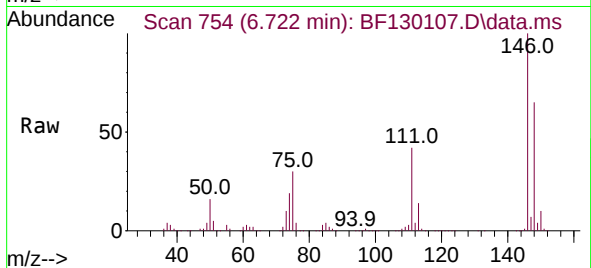
Acq: 02 Sep 2022 12:59

Instrument :

BNA_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion:146 Resp: 702866

Ion Ratio Lower Upper

146 100

148 64.8 50.6 75.8

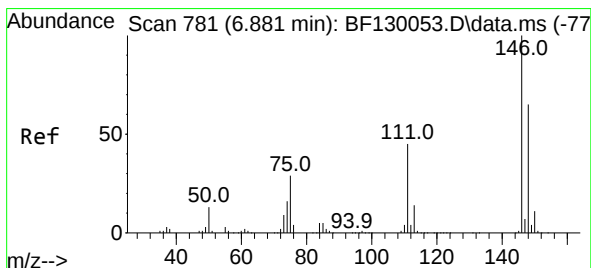
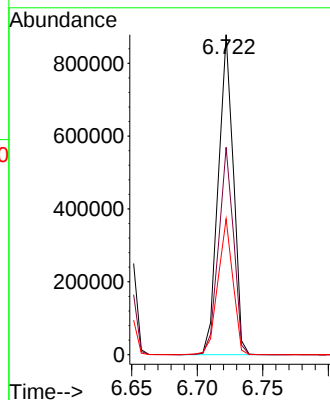
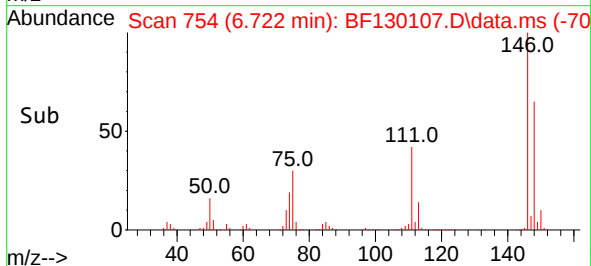
111 42.4 36.2 54.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/06/2022

Supervised By :Jagrut Upadhyay 09/06/2022



#14

1,2-Dichlorobenzene

Concen: 44.862 ng

RT: 6.875 min Scan# 780

Delta R.T. -0.006 min

Lab File: BF130107.D

Acq: 02 Sep 2022 12:59

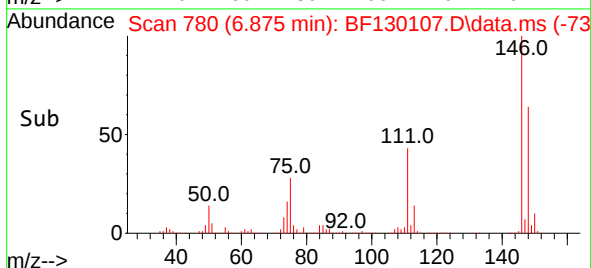
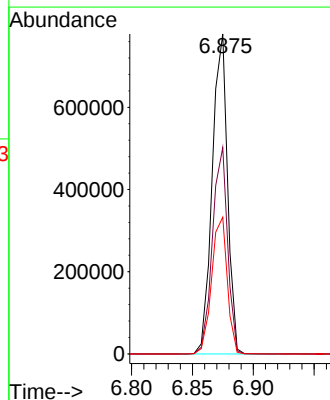
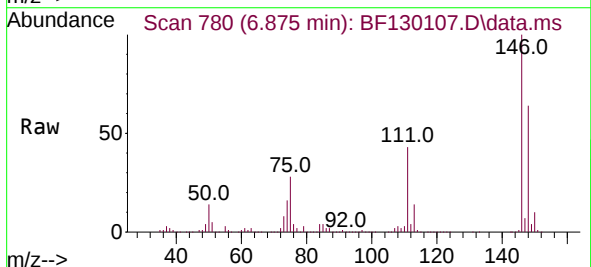
Tgt Ion:146 Resp: 680026

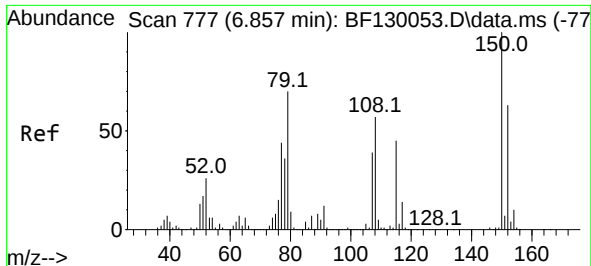
Ion Ratio Lower Upper

146 100

148 64.5 51.8 77.6

111 42.7 37.2 55.8





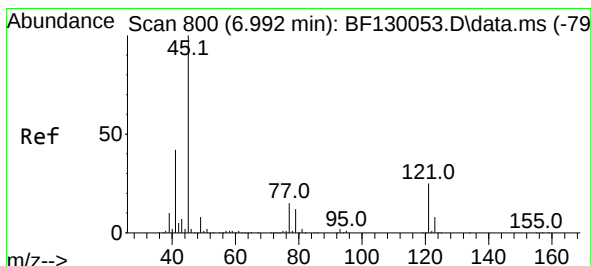
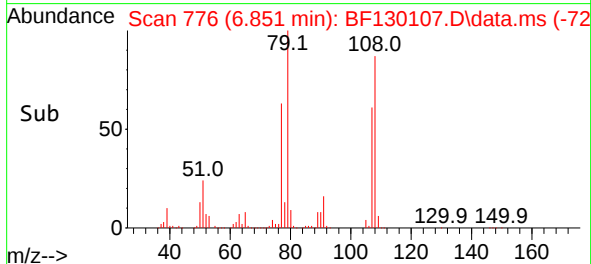
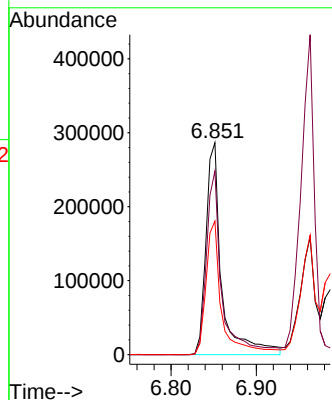
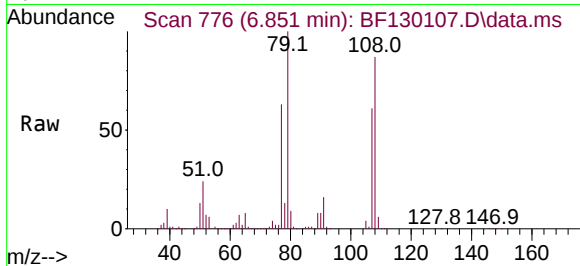
#15
Benzyl Alcohol
Concen: 32.336 ng
RT: 6.851 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD

Tgt Ion: 79 Resp: 369696
Ion Ratio Lower Upper
79 100
108 86.7 59.2 88.8
77 63.0 51.9 77.9

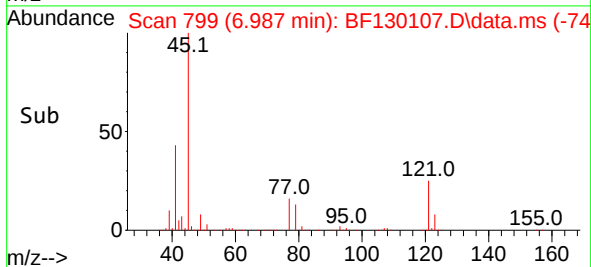
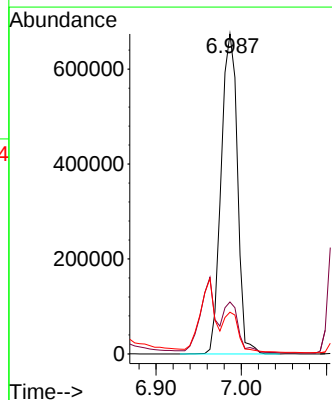
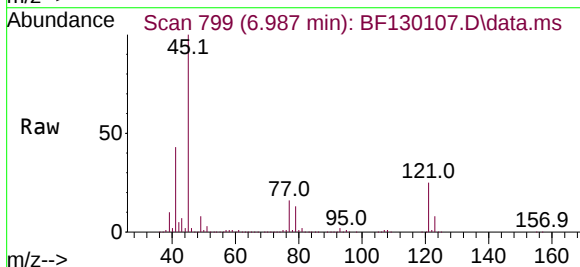
Manual Integrations
APPROVED

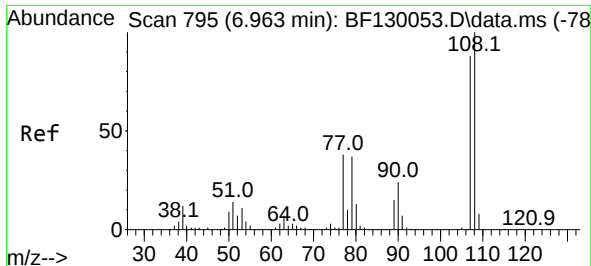
Reviewed By :Christian Giraldo 09/06/2022
Supervised By :Jagrut Upadhyay 09/06/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.154 ng
RT: 6.987 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

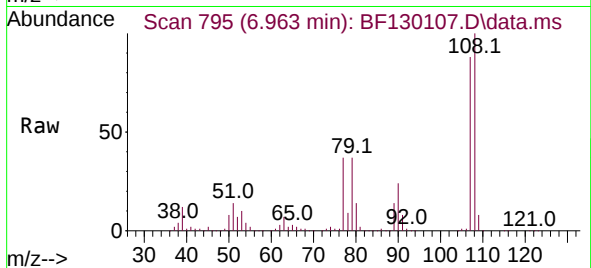
Tgt Ion: 45 Resp: 893960
Ion Ratio Lower Upper
45 100
77 16.2 27.4 67.4#
79 13.0 24.4 64.4#





#17
2-Methylphenol
Concen: 32.257 ng
RT: 6.963 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

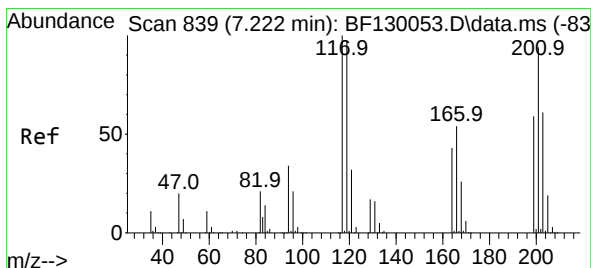
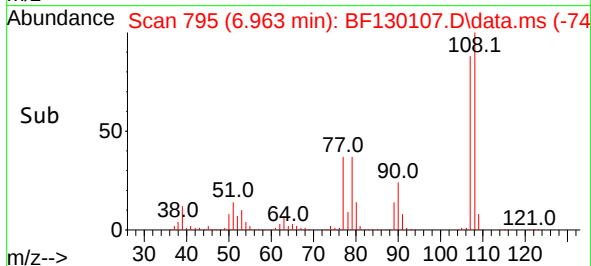
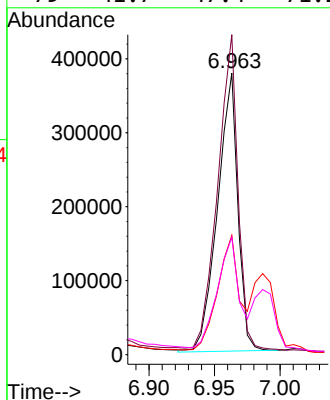
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion:107 Resp: 405272
Ion Ratio Lower Upper
107 100
108 113.7 90.2 135.2
77 42.4 51.8 77.8
79 41.7 47.4 71.2

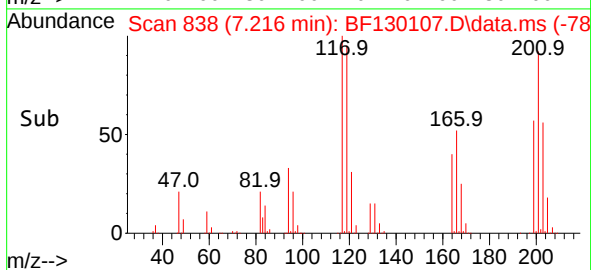
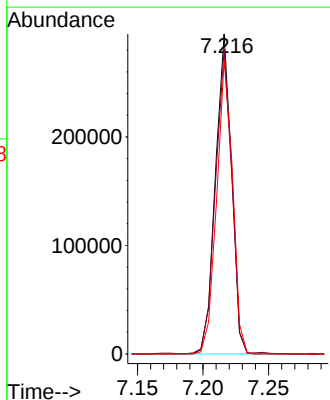
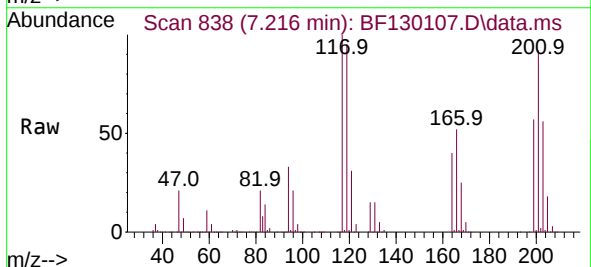
Manual Integrations
APPROVED

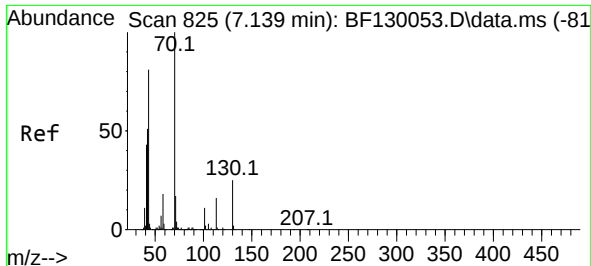
Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrut
Upadhyay
09/06/2022



#18
Hexachloroethane
Concen: 42.053 ng
RT: 7.216 min Scan# 838
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

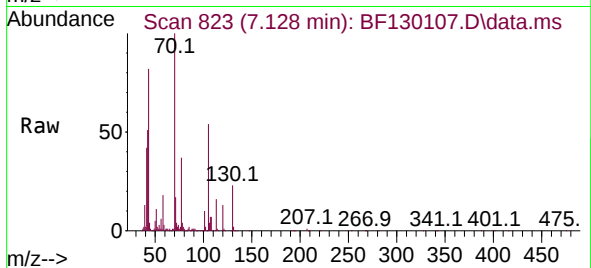
Tgt Ion:117 Resp: 253223
Ion Ratio Lower Upper
117 100
119 95.3 79.1 118.7
201 92.0 66.6 100.0





#19
n-Nitroso-di-n-propylamine
Concen: 46.607 ng
RT: 7.128 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

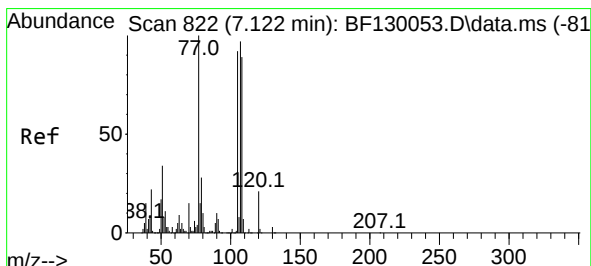
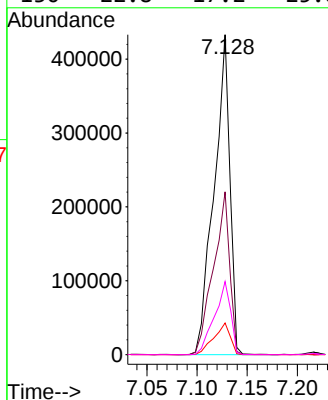
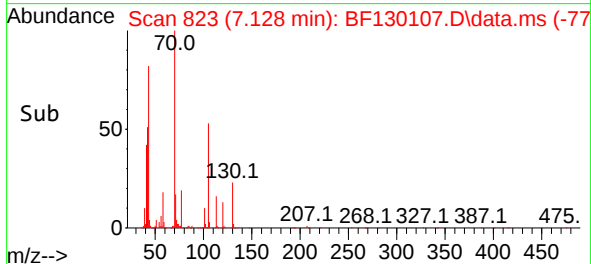
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD



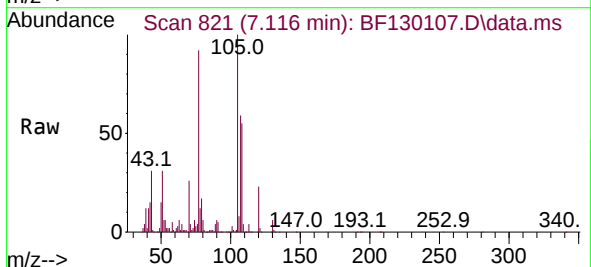
Tgt Ion: 70 Resp: 476270
Ion Ratio Lower Upper
70 100
42 50.9 47.6 71.4
101 9.9 8.1 12.1
130 22.8 17.2 25.8

Manual Integrations
APPROVED

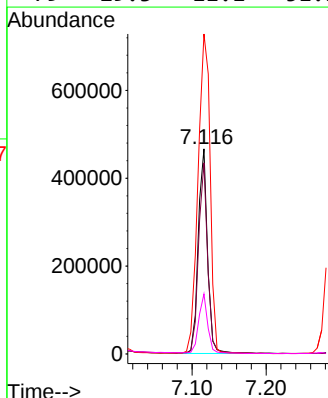
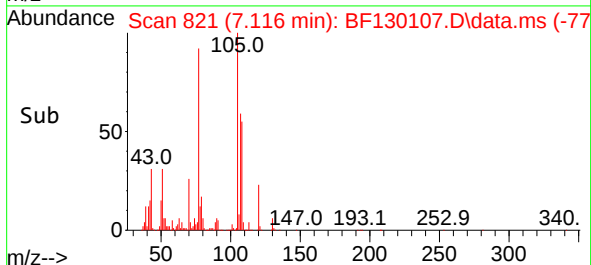
Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrut
Upadhyay
09/06/2022

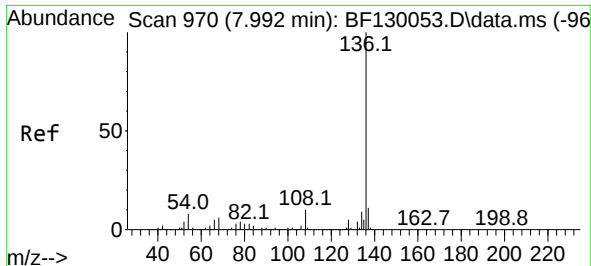


#20
3+4-Methylphenols
Concen: 27.665 ng
RT: 7.116 min Scan# 821
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59



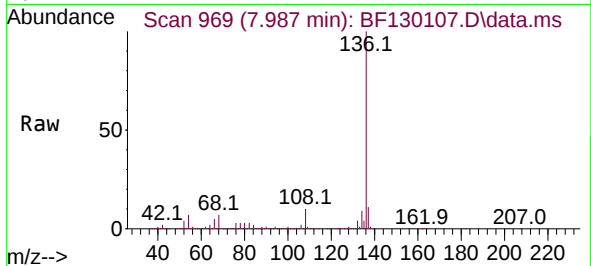
Tgt Ion:107 Resp: 407607
Ion Ratio Lower Upper
107 100
108 93.2 71.3 111.3
77 156.1 20.4 60.4#
79 29.3 11.1 51.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.987 min Scan# 90
Delta R.T. -0.005 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD

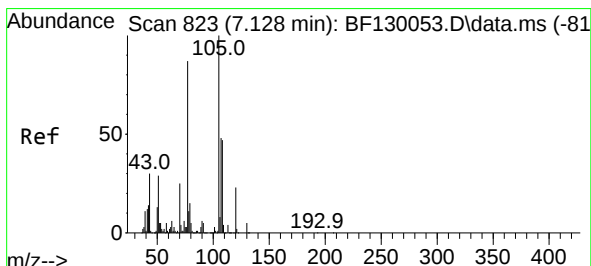
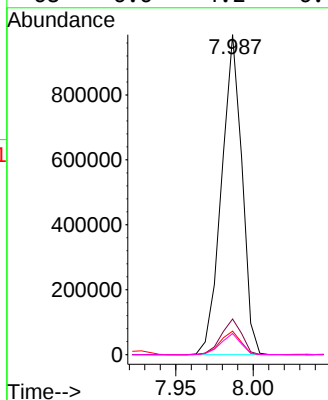
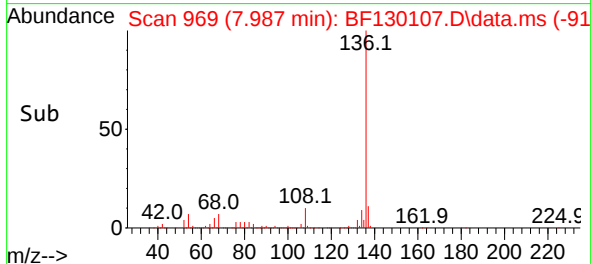


Tgt Ion:136 Resp: 909702
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 7.3 6.2 9.2
68 6.6 4.2 6.4

Manual Integrations
APPROVED

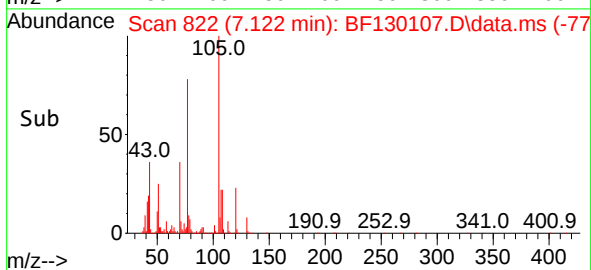
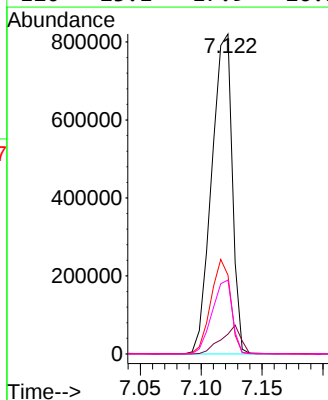
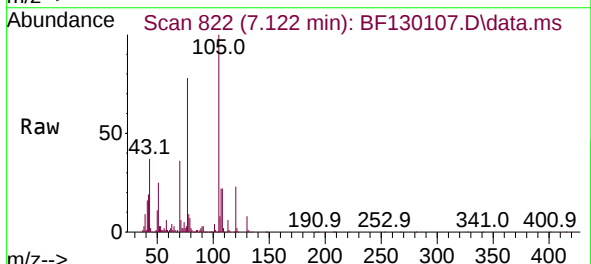
Reviewed By :Christian
Giraldo
09/06/2022

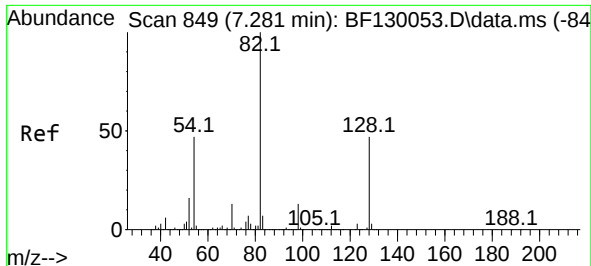
Supervised By :Jagrut
Upadhyay
09/06/2022



#22
Acetophenone
Concen: 47.503 ng
RT: 7.122 min Scan# 822
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

Tgt Ion:105 Resp: 965453
Ion Ratio Lower Upper
105 100
71 6.2 6.6 9.8
51 24.6 23.8 35.8
120 23.1 17.9 26.9





#23

Nitrobenzene-d5

Concen: 98.581 ng

RT: 7.275 min Scan# 84

Delta R.T. -0.006 min

Lab File: BF130107.D

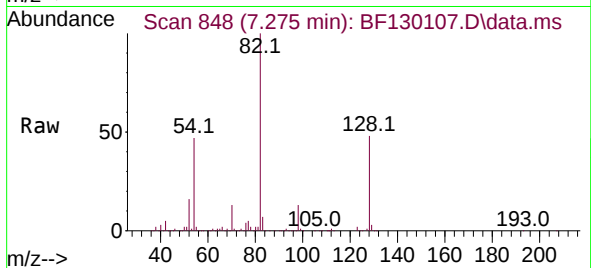
Acq: 02 Sep 2022 12:59

Instrument :

BNA_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion: 82 Resp: 139544

Ion	Ratio	Lower	Upper
82	100		
128	47.6	36.1	54.1
54	46.6	40.0	60.0

Manual Integrations

APPROVED

Reviewed By :Christian

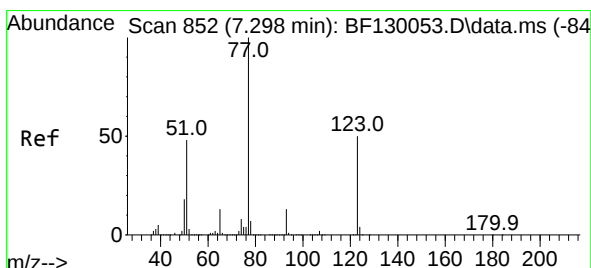
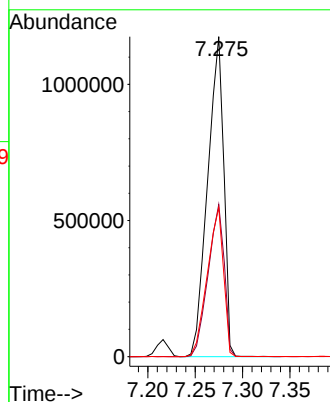
Giraldo

09/06/2022

Supervised By :Jagrut

Upadhyay

09/06/2022



#24

Nitrobenzene

Concen: 48.111 ng

RT: 7.293 min Scan# 851

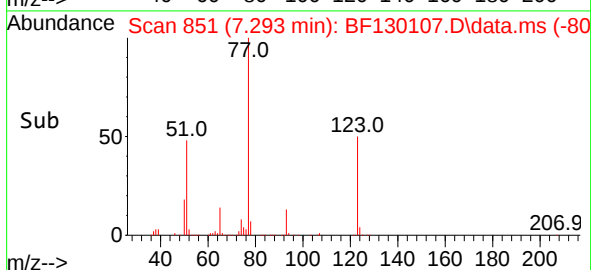
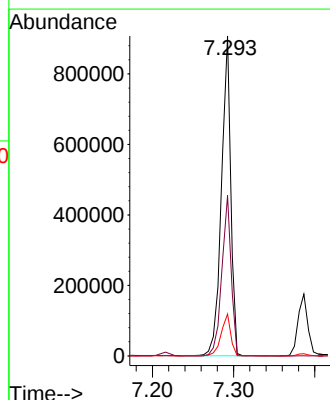
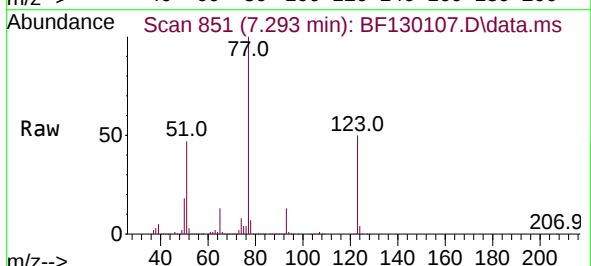
Delta R.T. -0.006 min

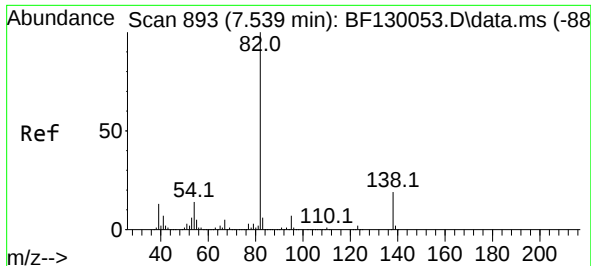
Lab File: BF130107.D

Acq: 02 Sep 2022 12:59

Tgt Ion: 77 Resp: 724272

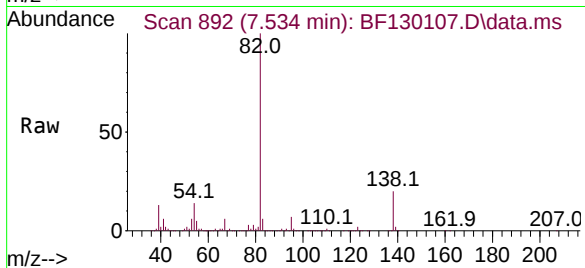
Ion	Ratio	Lower	Upper
77	100		
123	50.1	39.2	58.8
65	13.1	11.1	16.7





#25
Isophorone
Concen: 48.939 ng
RT: 7.534 min Scan# 893
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

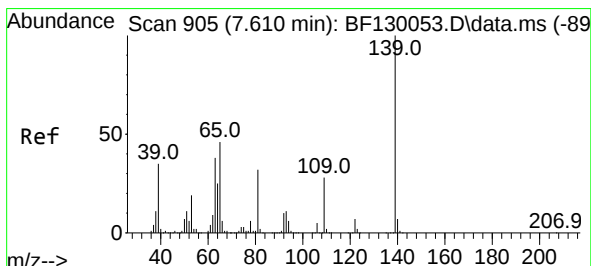
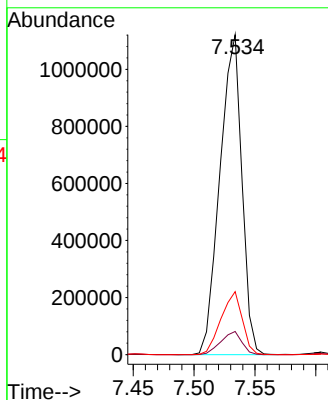
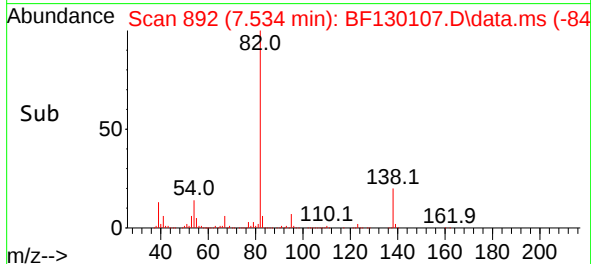
Instrument : BNA_F
ClientSampleId : XRDS-RECYCLED-SAND-SP-A-COMPMSD



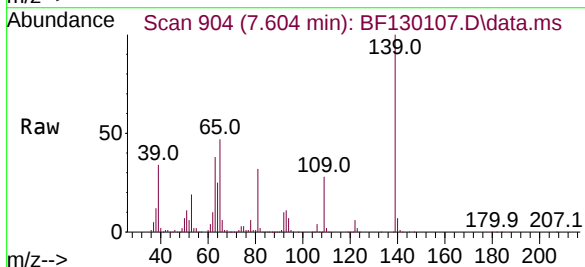
Tgt Ion: 82 Resp: 1402114
Ion Ratio Lower Upper
82 100
95 7.2 5.9 8.9
138 19.7 14.6 21.8

Manual Integrations
APPROVED

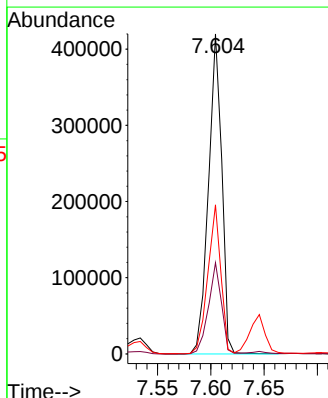
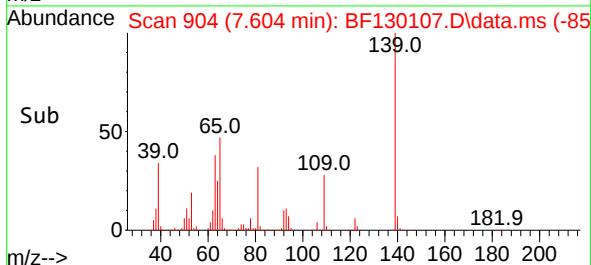
Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrut
Upadhyay
09/06/2022

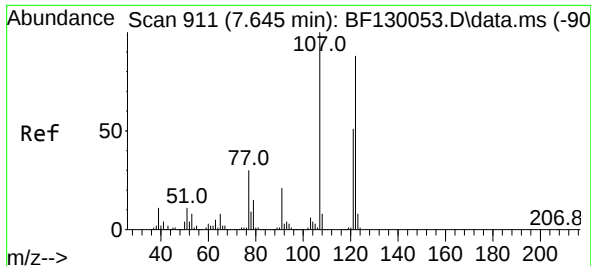


#26
2-Nitrophenol
Concen: 51.191 ng
RT: 7.604 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59



Tgt Ion:139 Resp: 363795
Ion Ratio Lower Upper
139 100
109 28.5 24.4 36.6
65 46.6 40.9 61.3





#27

2,4-Dimethylphenol

Concen: 47.402 ng

RT: 7.645 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF130107.D

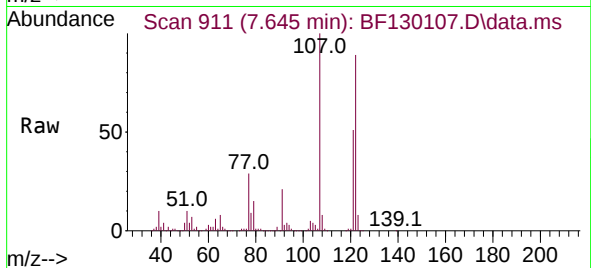
Acq: 02 Sep 2022 12:59

Instrument :

BNA_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion:	122	Resp:	56985
Ion Ratio	Lower	Upper	
122	100		
107	112.1	92.2	138.4
121	57.0	46.1	69.1

Manual Integrations

APPROVED

Reviewed By :Christian

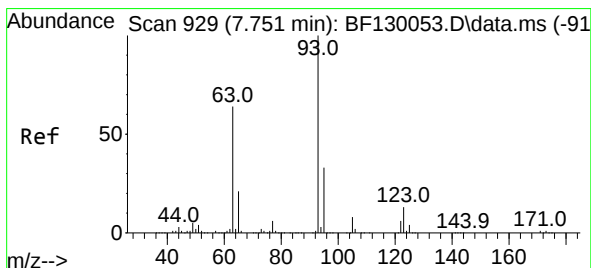
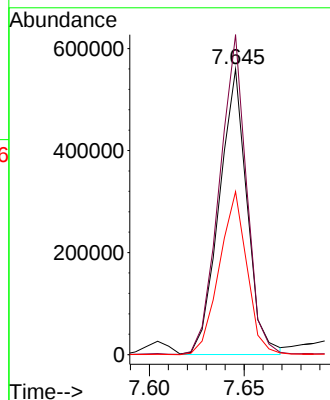
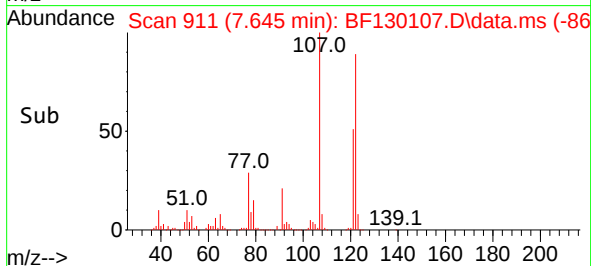
Giraldo

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Supervised By :Jagrut

Upadhyay

09/06/2022



#28

bis(2-Chloroethoxy)methane

Concen: 52.141 ng

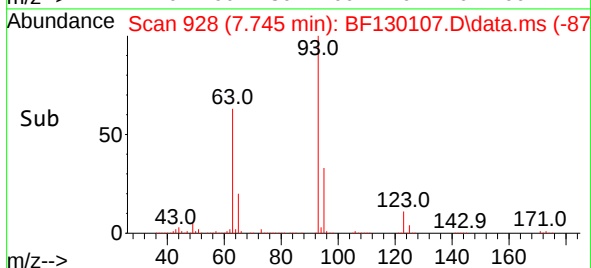
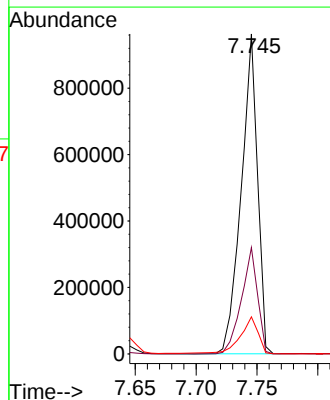
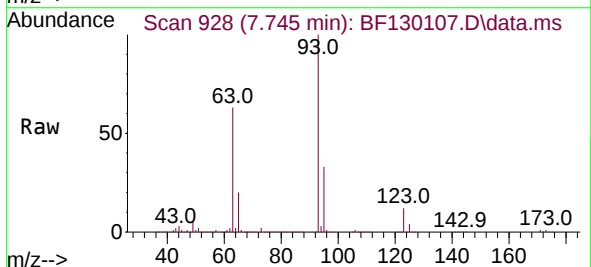
RT: 7.745 min Scan# 928

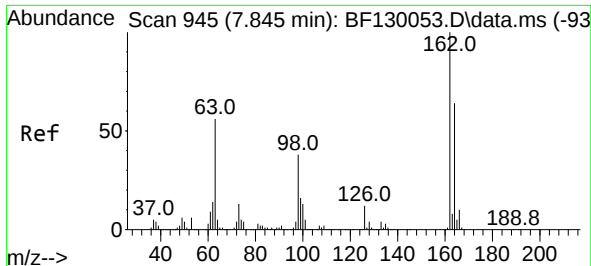
Delta R.T. -0.006 min

Lab File: BF130107.D

Acq: 02 Sep 2022 12:59

Tgt Ion:	93	Resp:	897357
Ion Ratio	Lower	Upper	
93	100		
95	33.2	25.6	38.4
123	11.6	9.0	13.4





#29

2,4-Dichlorophenol

Concen: 43.804 ng

RT: 7.845 min Scan# 945

Delta R.T. 0.000 min

Lab File: BF130107.D

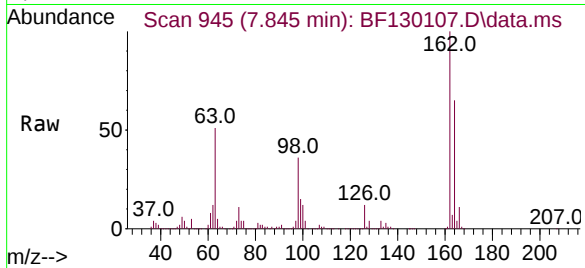
Acq: 02 Sep 2022 12:59

Instrument :

BNA_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion:	162	Resp:	563276
Ion Ratio	Lower	Upper	
162	100		
164	65.1	43.7	83.7
98	36.0	16.5	56.5

Manual Integrations

APPROVED

Reviewed By :Christian

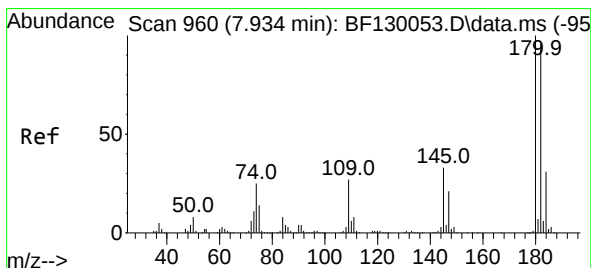
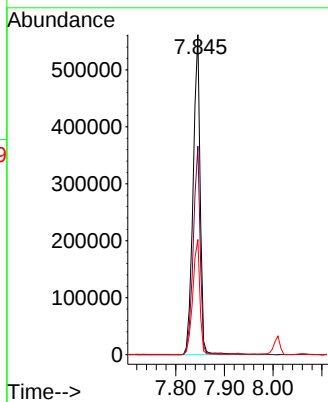
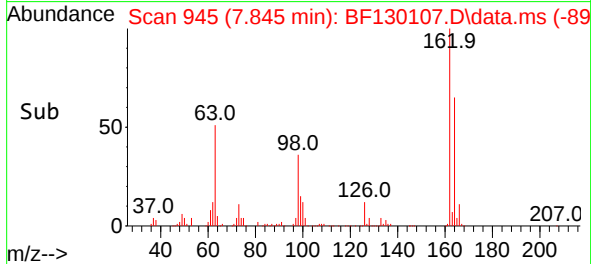
Giraldo

09/06/2022

Supervised By :Jagrut

Upadhyay

09/06/2022



#30

1,2,4-Trichlorobenzene

Concen: 41.947 ng

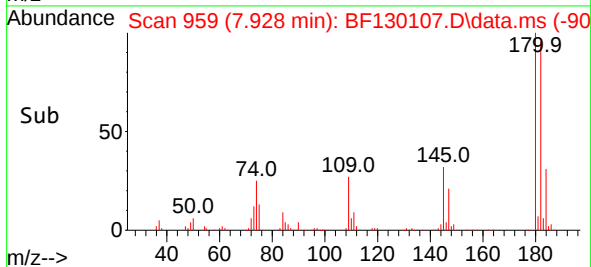
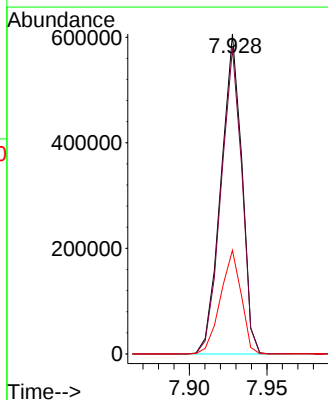
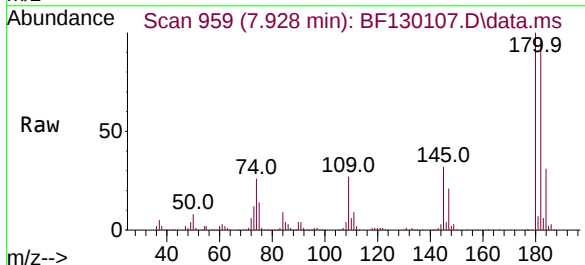
RT: 7.928 min Scan# 959

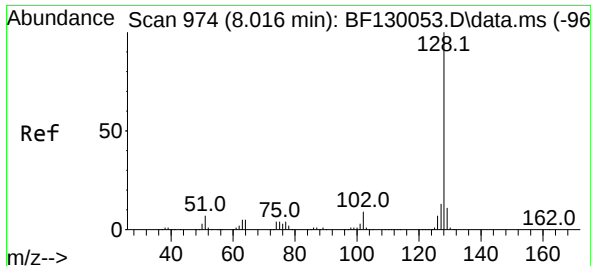
Delta R.T. -0.006 min

Lab File: BF130107.D

Acq: 02 Sep 2022 12:59

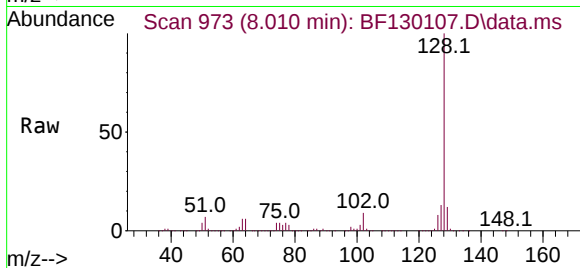
Tgt Ion:	180	Resp:	568742
Ion Ratio	Lower	Upper	
180	100		
182	95.5	77.6	116.4
145	32.4	25.6	38.4





#31
Naphthalene
Concen: 42.633 ng
RT: 8.010 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

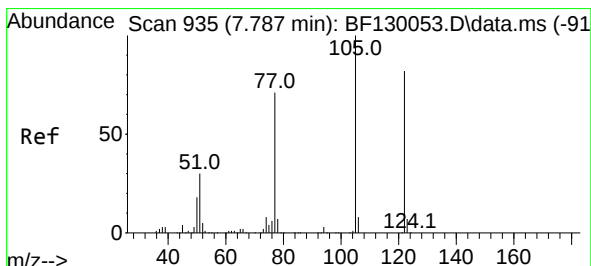
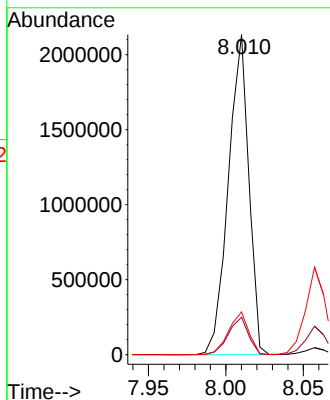
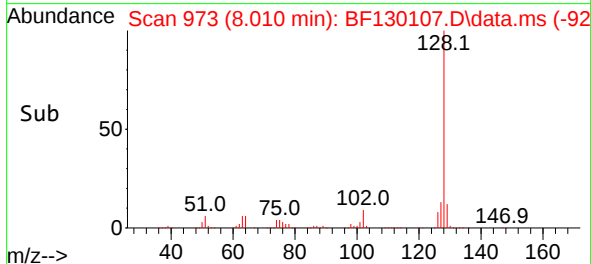
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion:128 Resp: 1956072
Ion Ratio Lower Upper
128 100
129 11.7 8.9 13.3
127 13.3 10.7 16.1

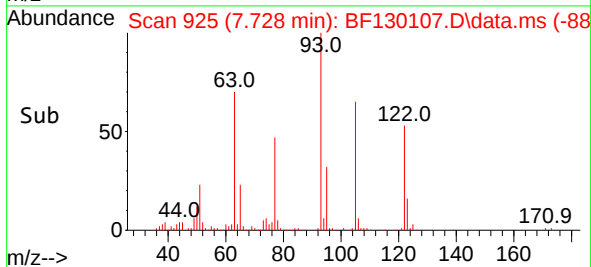
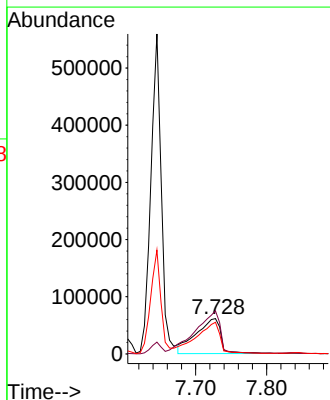
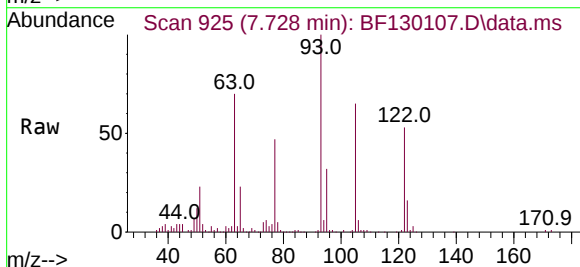
Manual Integrations
APPROVED

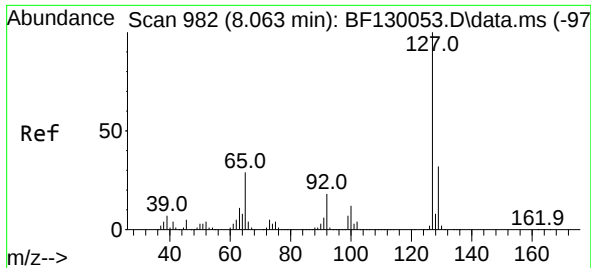
Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrut
Upadhyay
09/06/2022



#32
Benzoic acid
Concen: 19.755 ng
RT: 7.728 min Scan# 925
Delta R.T. -0.059 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

Tgt Ion:122 Resp: 149922
Ion Ratio Lower Upper
122 100
105 121.6 99.9 139.9
77 89.5 65.9 105.9





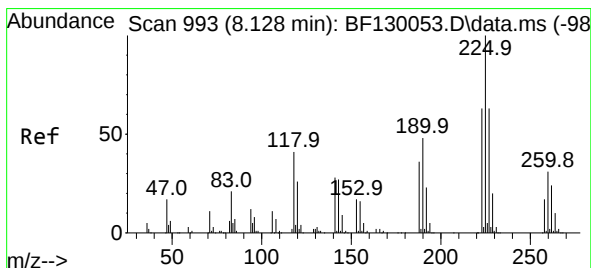
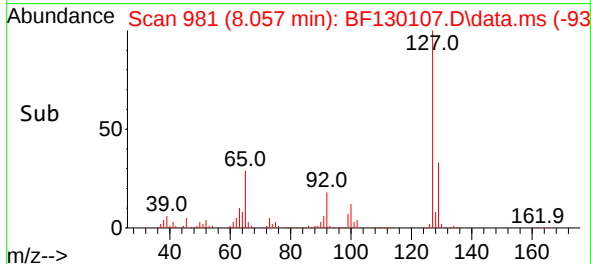
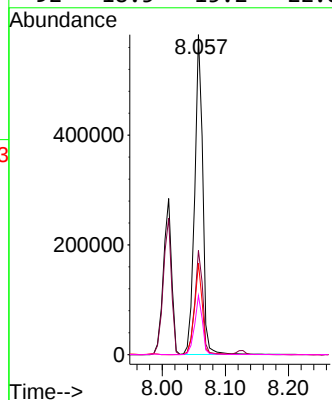
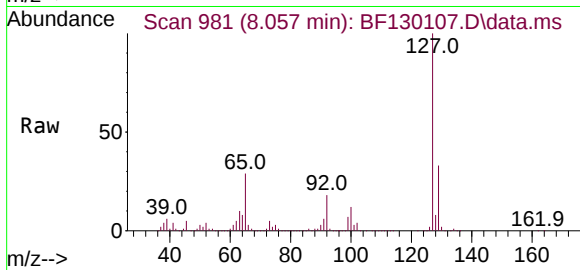
#33
4-Chloroaniline
Concen: 27.921 ng
RT: 8.057 min Scan# 981
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD

Tgt Ion:	127	Resp:	517554
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.7	40.1
65	28.6	24.2	36.2
92	18.5	15.2	22.8

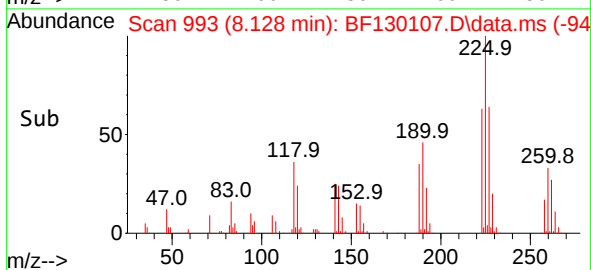
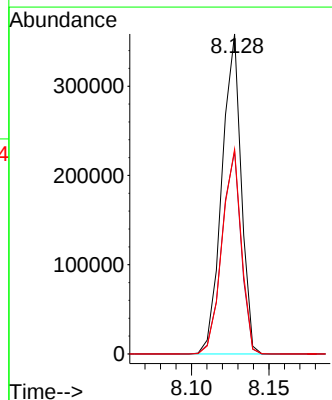
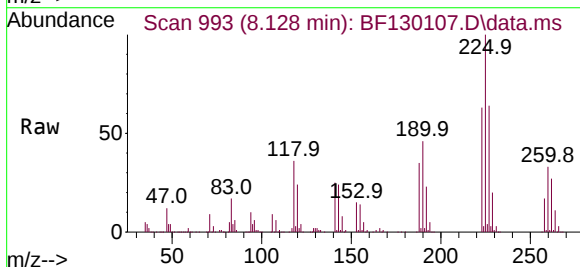
Manual Integrations
APPROVED

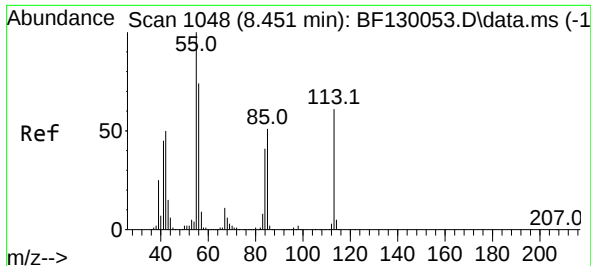
Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrut
Upadhyay
09/06/2022



#34
Hexachlorobutadiene
Concen: 39.919 ng
RT: 8.128 min Scan# 993
Delta R.T. 0.000 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

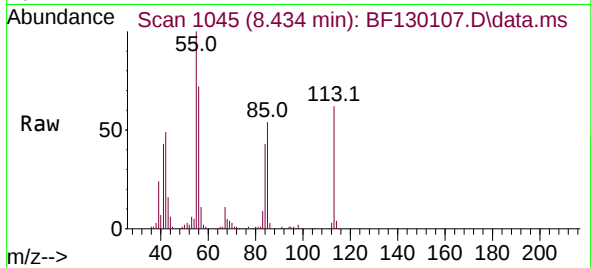
Tgt Ion:	225	Resp:	309982
Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.2	75.2
227	64.0	50.6	75.8





#35
Caprolactam
Concen: 10.542 ng m
RT: 8.434 min Scan# 1045
Delta R.T. -0.018 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

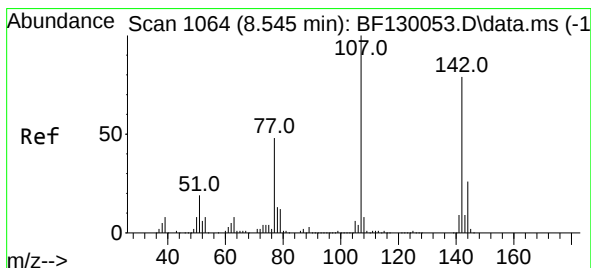
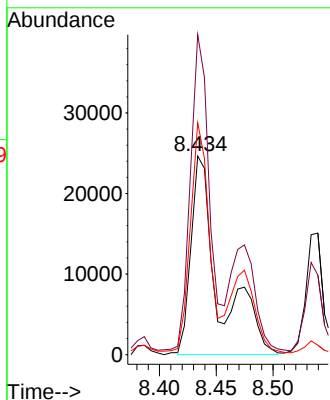
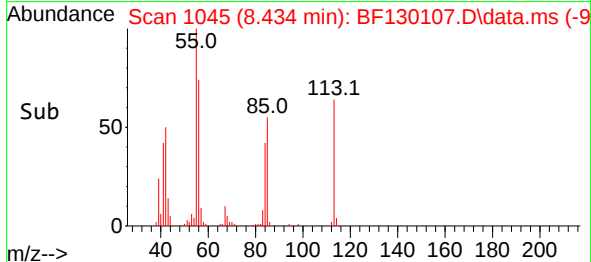
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion:113 Resp: 42010
Ion Ratio Lower Upper
113 100
55 161.3 148.8 188.8
56 116.8 109.1 149.1

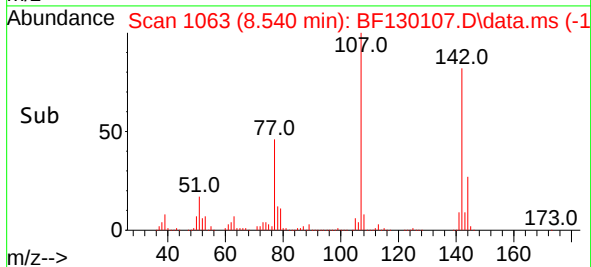
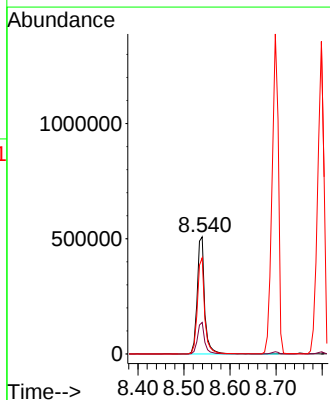
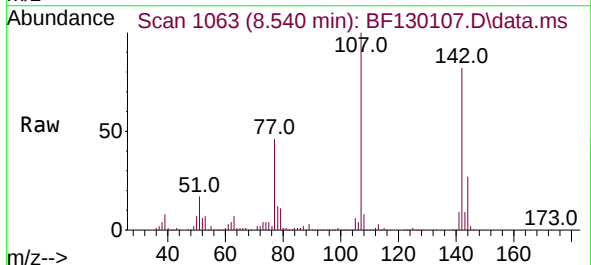
Manual Integrations
APPROVED

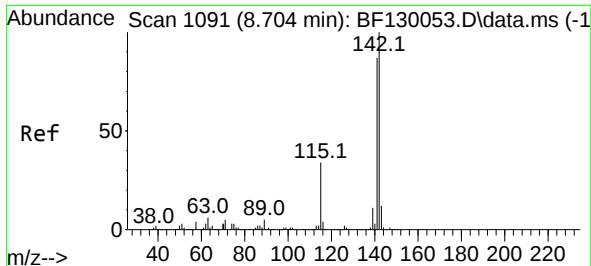
Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrut
Upadhyay
09/06/2022



#36
4-Chloro-3-methylphenol
Concen: 43.070 ng
RT: 8.540 min Scan# 1063
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

Tgt Ion:107 Resp: 560425
Ion Ratio Lower Upper
107 100
144 26.8 19.9 29.9
142 82.1 60.2 90.4





#37

2-Methylnaphthalene

Concen: 45.018 ng

RT: 8.698 min Scan# 1091

Delta R.T. -0.006 min

Lab File: BF130107.D

Acq: 02 Sep 2022 12:59

Instrument :

BNA_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMPMSD

Tgt Ion:142 Resp: 1330515

Ion Ratio Lower Upper

142 100

141 87.6 70.9 106.3

Manual Integrations

APPROVED

Reviewed By :Christian

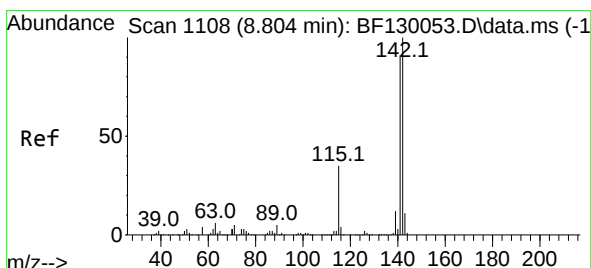
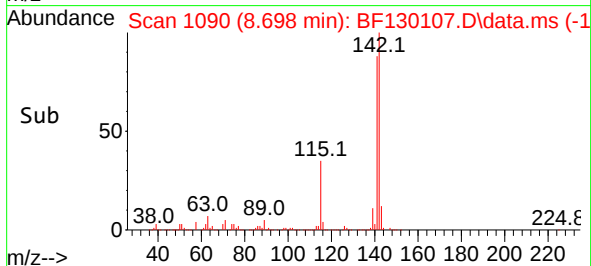
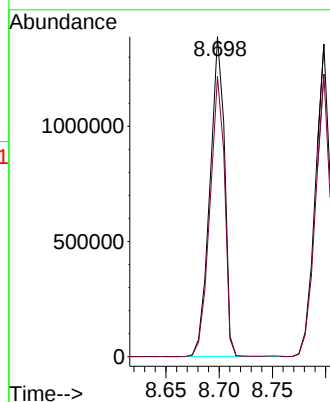
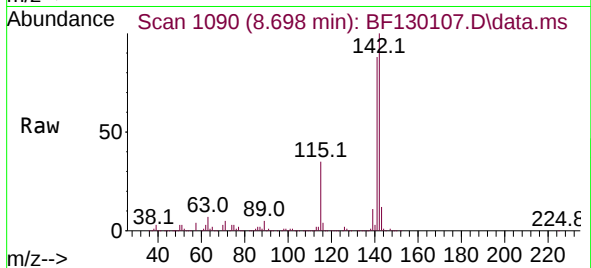
Giraldo

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Supervised By :Jagrut

Upadhyay

09/06/2022



#38

1-Methylnaphthalene

Concen: 44.343 ng

RT: 8.798 min Scan# 1107

Delta R.T. -0.006 min

Lab File: BF130107.D

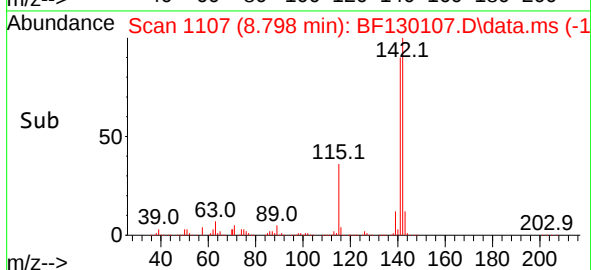
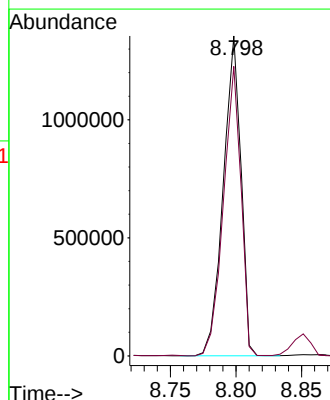
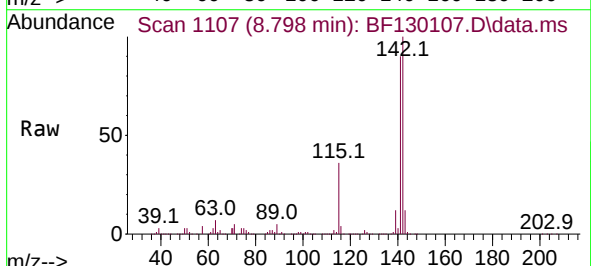
Acq: 02 Sep 2022 12:59

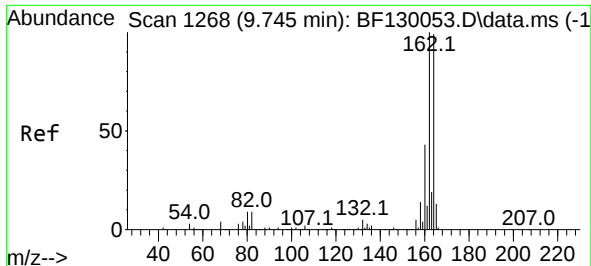
Tgt Ion:142 Resp: 1273865

Ion Ratio Lower Upper

142 100

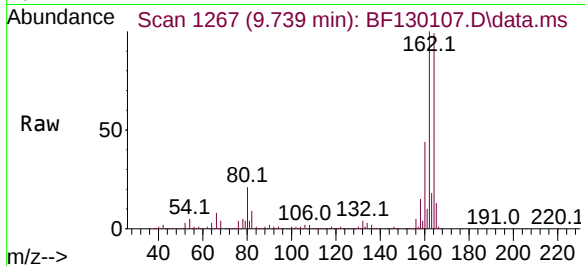
141 90.5 73.5 110.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.739 min Scan# 1118
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

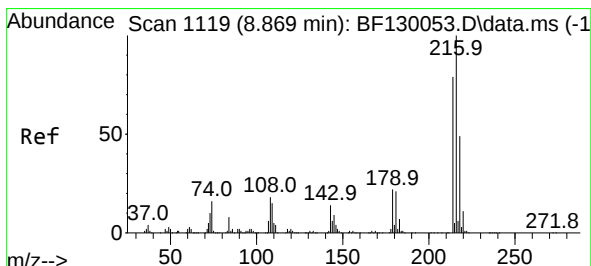
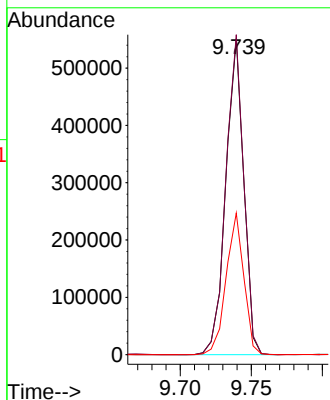
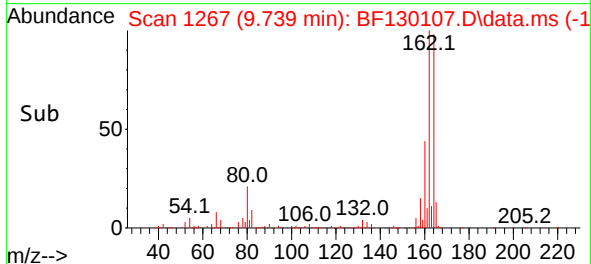
Instrument : BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion:164 Resp: 483762
Ion Ratio Lower Upper
164 100
162 101.3 82.0 123.0
160 44.8 35.4 53.0

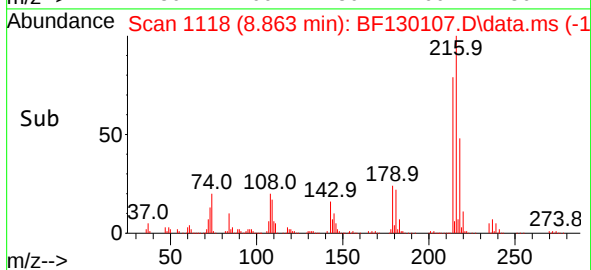
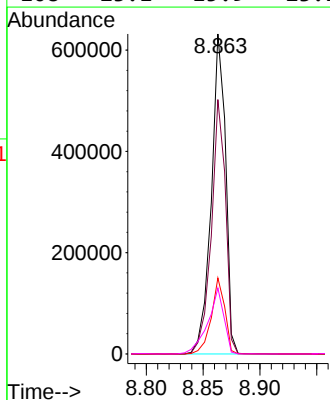
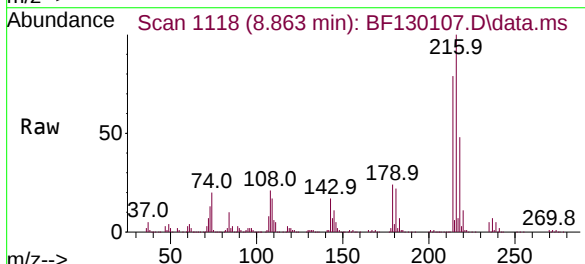
Manual Integrations
APPROVED

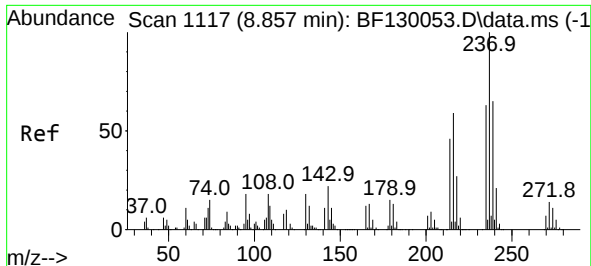
Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrut
Upadhyay
09/06/2022



#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.893 ng
RT: 8.863 min Scan# 1118
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

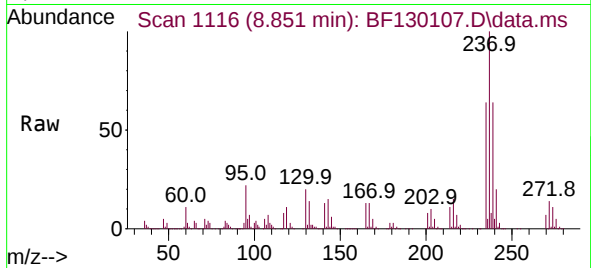
Tgt Ion:216 Resp: 553693
Ion Ratio Lower Upper
216 100
214 78.5 63.1 94.7
179 22.5 18.1 27.1
108 23.1 15.9 23.9





#41
Hexachlorocyclopentadiene
Concen: 101.423 ng
RT: 8.851 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

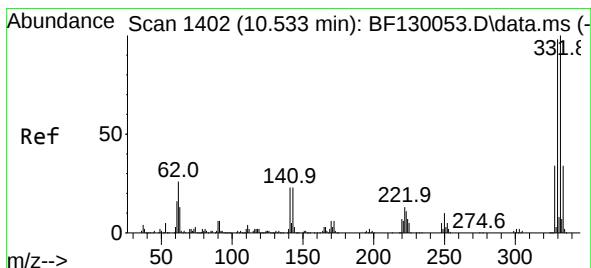
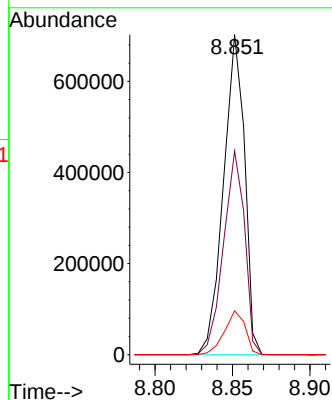
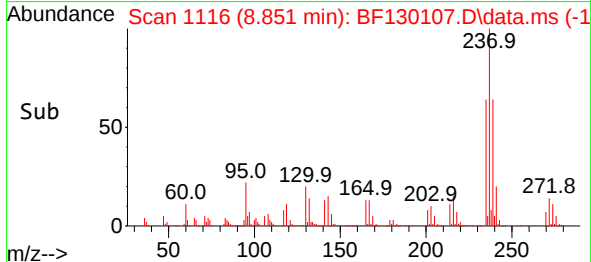
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD



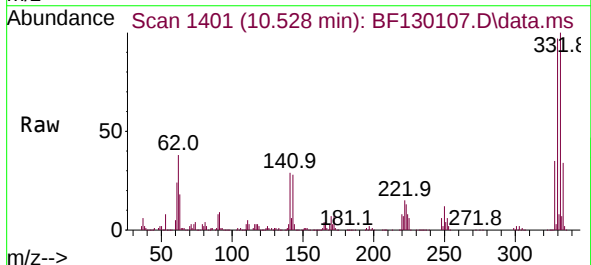
Tgt Ion:237 Resp: 668645
Ion Ratio Lower Upper
237 100
235 63.7 41.5 81.5
272 13.7 0.0 33.3

Manual Integrations
APPROVED

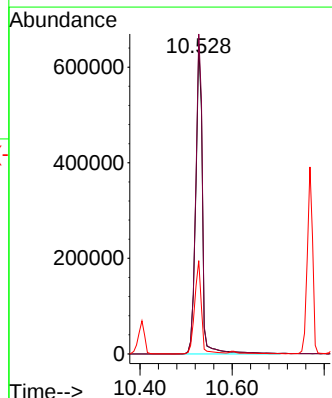
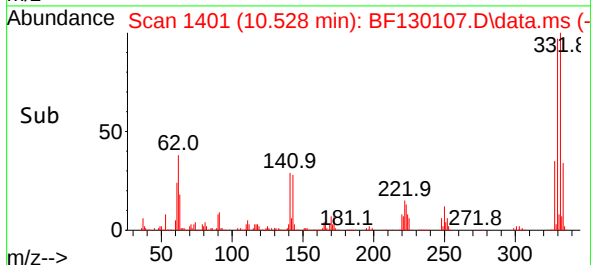
Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrut
Upadhyay
09/06/2022

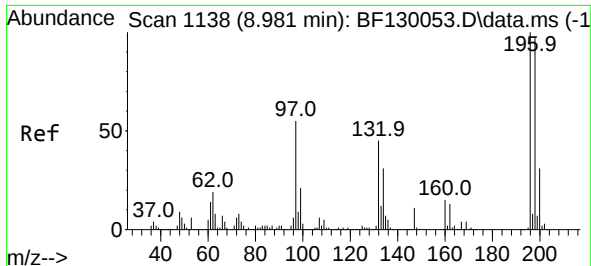


#42
2,4,6-Tribromophenol
Concen: 147.763 ng
RT: 10.528 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59



Tgt Ion:330 Resp: 650692
Ion Ratio Lower Upper
330 100
332 103.5 82.6 124.0
141 30.4 27.6 41.4





#43

2,4,6-Trichlorophenol

Concen: 45.549 ng

RT: 8.975 min Scan# 1137

Delta R.T. -0.006 min

Lab File: BF130107.D

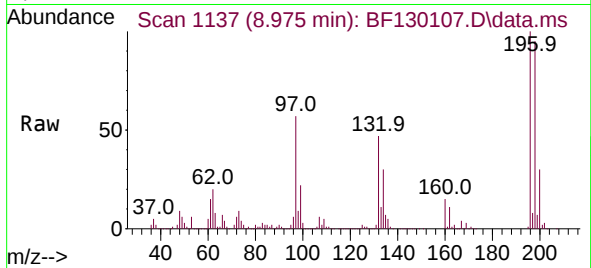
Acq: 02 Sep 2022 12:59

Instrument :

BNA_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion:196 Resp: 410143

Ion Ratio Lower Upper

196 100

198 94.8 79.0 118.4

200 30.2 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :Christian

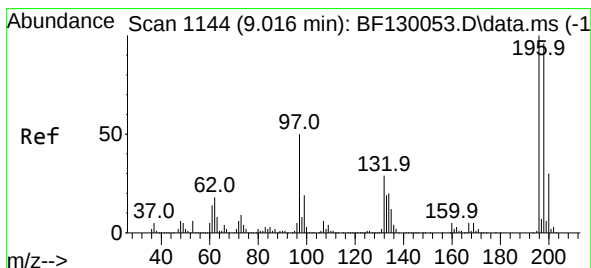
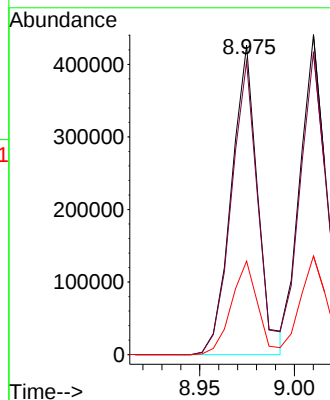
Giraldo

09/06/2022

Supervised By :Jagrut

Upadhyay

09/06/2022



#44

2,4,5-Trichlorophenol

Concen: 44.525 ng

RT: 9.010 min Scan# 1143

Delta R.T. -0.006 min

Lab File: BF130107.D

Acq: 02 Sep 2022 12:59

Tgt Ion:196 Resp: 434555

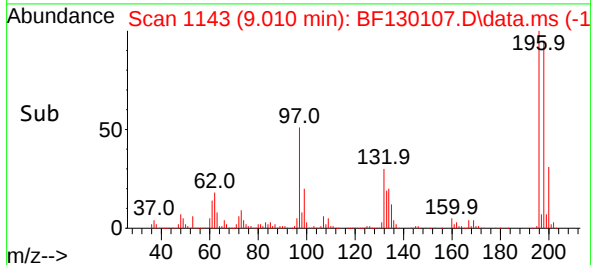
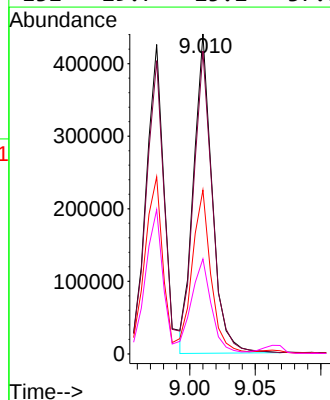
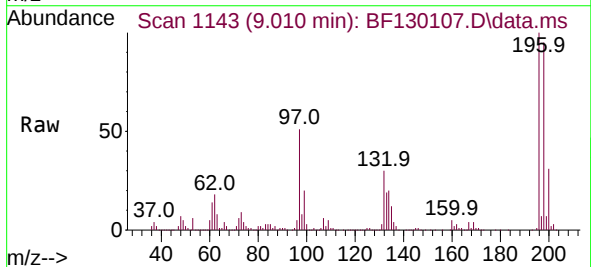
Ion Ratio Lower Upper

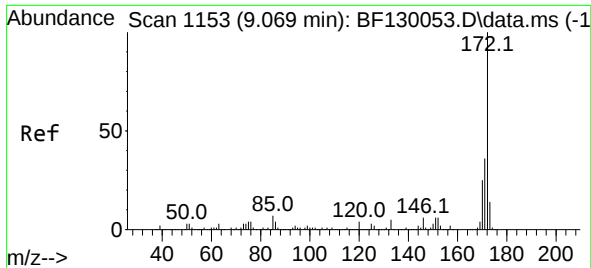
196 100

198 94.6 76.4 114.6

97 51.2 46.5 69.7

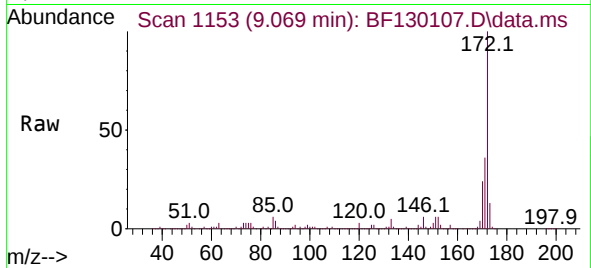
132 29.7 25.2 37.8





#45
2-Fluorobiphenyl
Concen: 83.012 ng
RT: 9.069 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

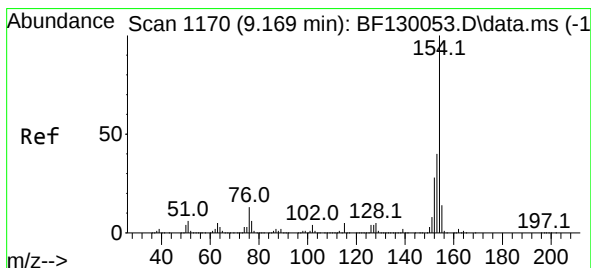
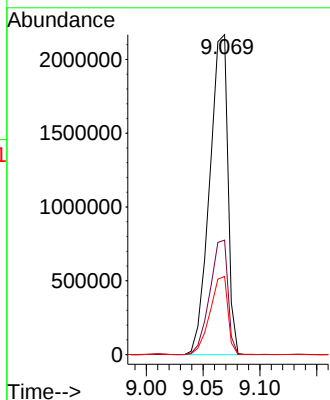
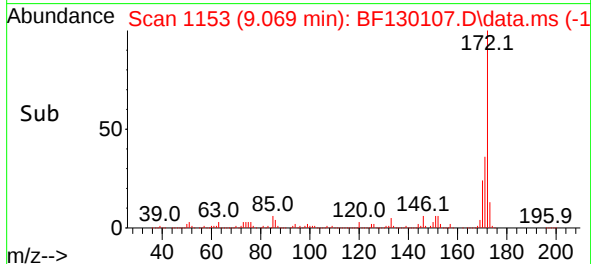
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD



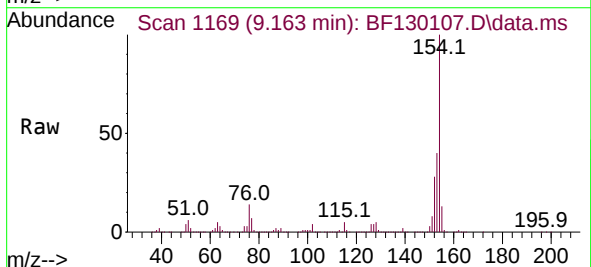
Tgt Ion:172 Resp: 2422173
Ion Ratio Lower Upper
172 100
171 35.8 28.4 42.6
170 24.4 19.1 28.7

Manual Integrations
APPROVED

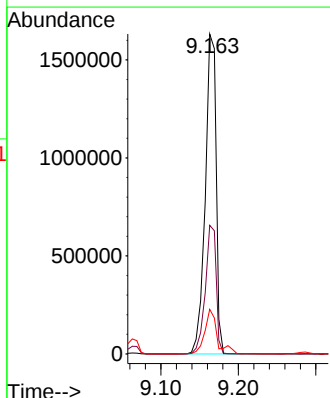
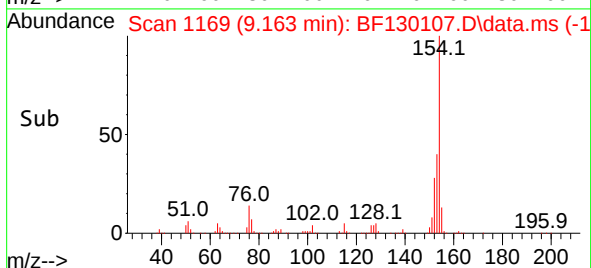
Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrut
Upadhyay
09/06/2022

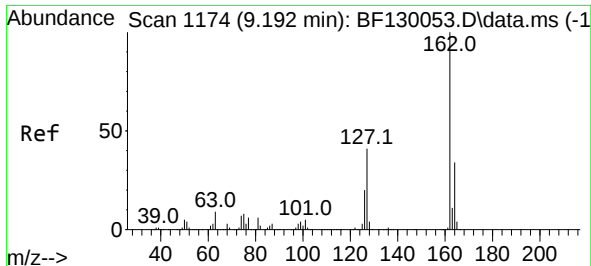


#46
1,1'-Biphenyl
Concen: 45.255 ng
RT: 9.163 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59



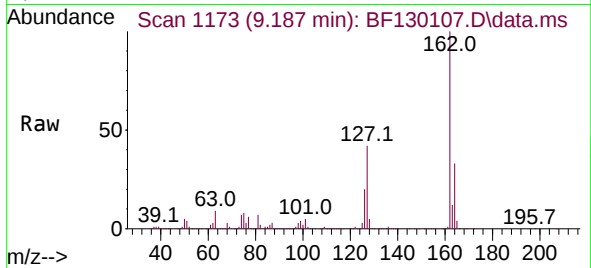
Tgt Ion:154 Resp: 1590533
Ion Ratio Lower Upper
154 100
153 40.2 20.2 60.2
76 13.9 0.0 32.1





#47
2-Chloronaphthalene
Concen: 44.892 ng
RT: 9.187 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

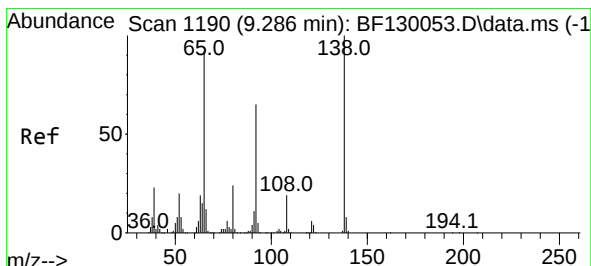
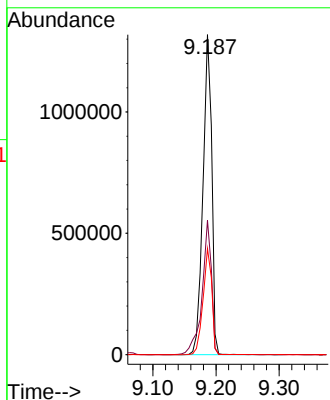
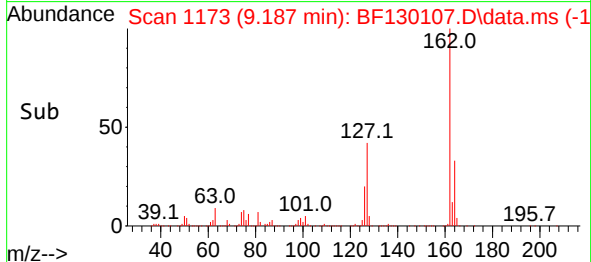
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion:162 Resp: 1264158
Ion Ratio Lower Upper
162 100
127 42.0 33.1 49.7
164 33.1 26.7 40.1

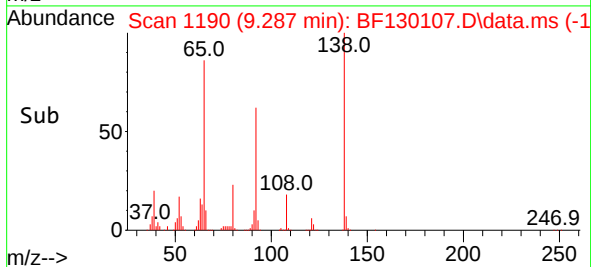
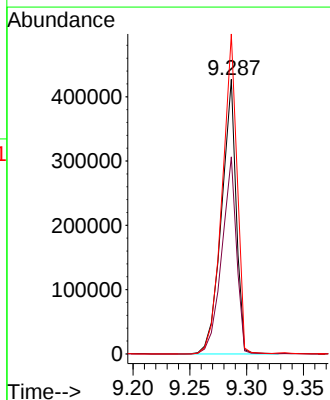
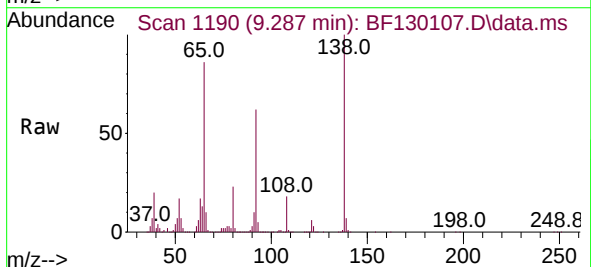
Manual Integrations
APPROVED

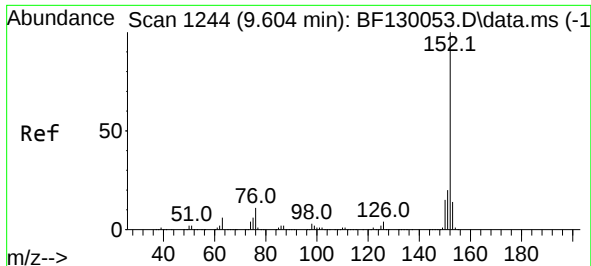
Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrut
Upadhyay
09/06/2022



#48
2-Nitroaniline
Concen: 55.173 ng
RT: 9.287 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

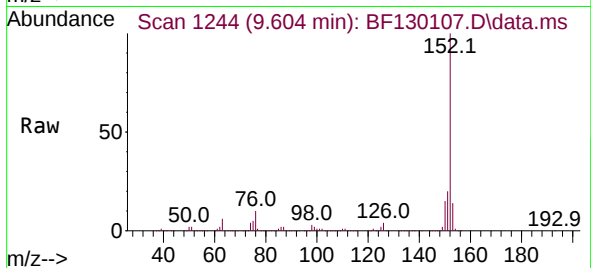
Tgt Ion: 65 Resp: 382865
Ion Ratio Lower Upper
65 100
92 71.8 55.0 82.4
138 116.6 81.3 121.9





#49
Acenaphthylene
Concen: 45.087 ng
RT: 9.604 min Scan# 1244
Delta R.T. 0.000 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

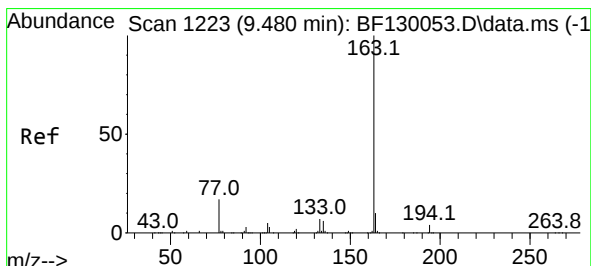
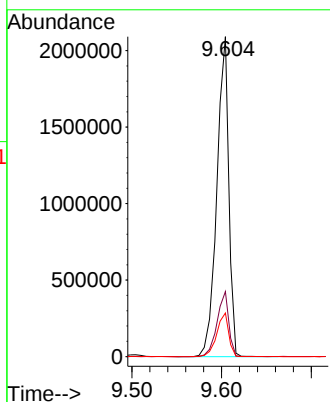
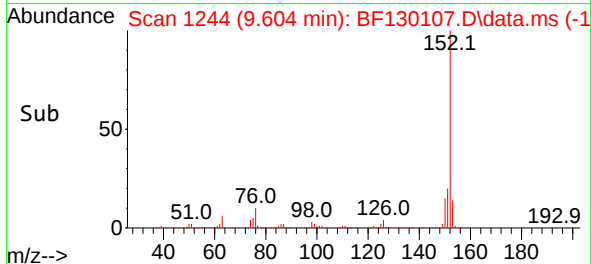
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD



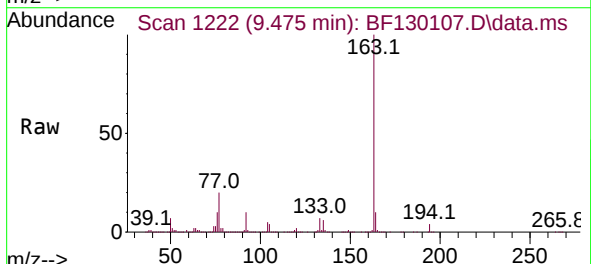
Tgt Ion:152 Resp: 1928021
Ion Ratio Lower Upper
152 100
151 20.3 16.1 24.1
153 13.7 10.6 16.0

Manual Integrations APPROVED

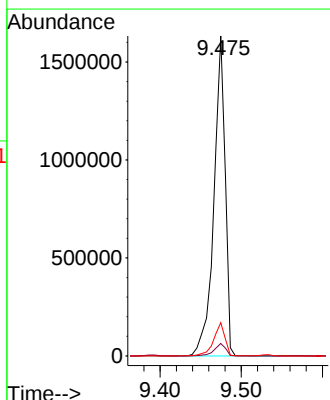
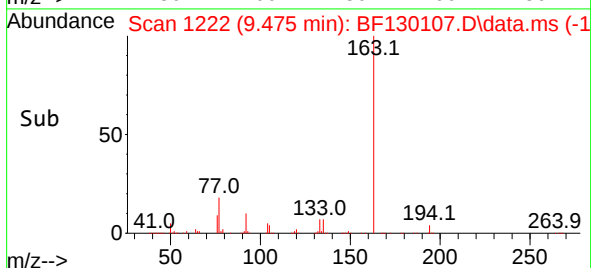
Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrit
Upadhyay
09/06/2022

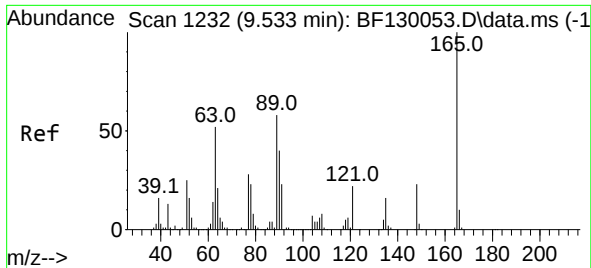


#50
Dimethylphthalate
Concen: 47.736 ng
RT: 9.475 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59



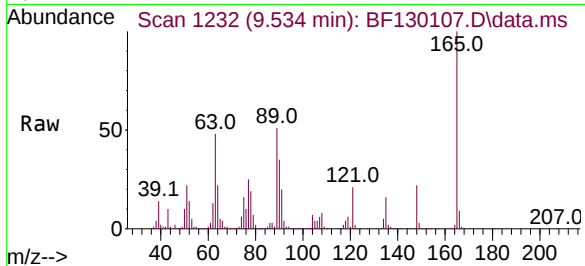
Tgt Ion:163 Resp: 1572928
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.4 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 54.724 ng
RT: 9.534 min Scan# 1232
Delta R.T. 0.000 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

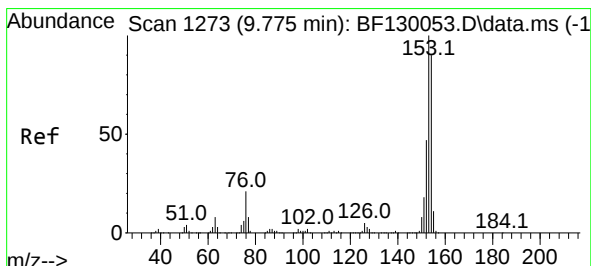
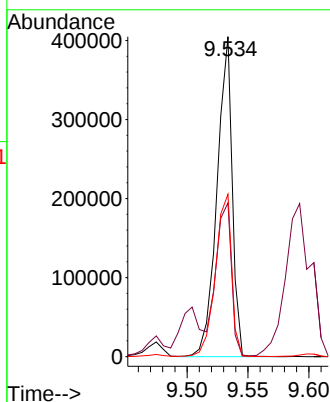
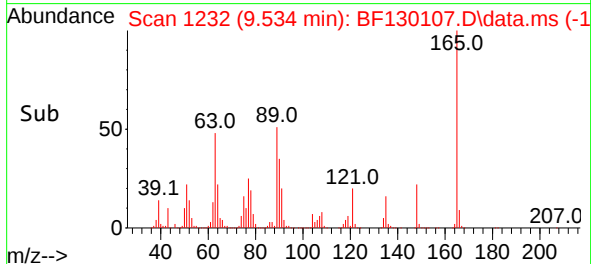
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD



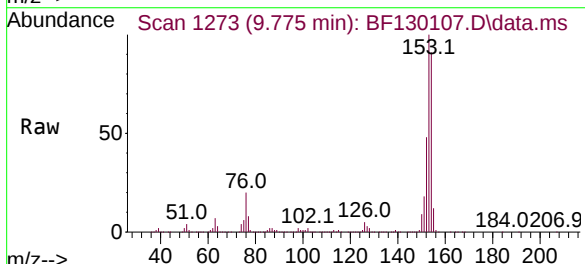
Tgt Ion:165 Resp: 351562
Ion Ratio Lower Upper
165 100
63 48.0 47.8 71.8
89 50.7 47.2 70.8

Manual Integrations
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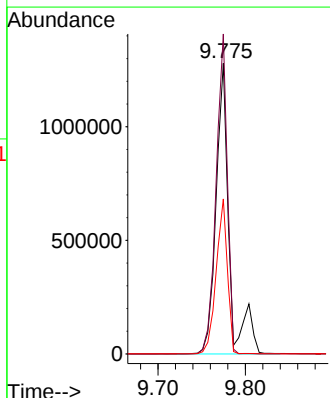
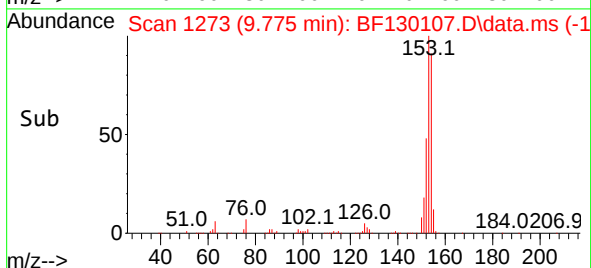
Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrut
Upadhyay
09/06/2022

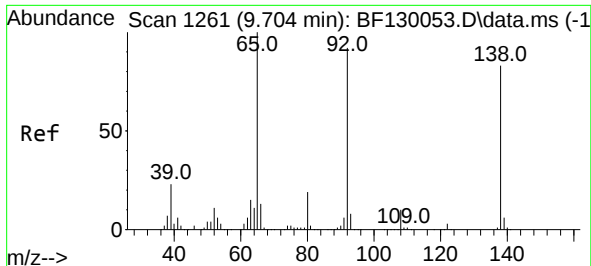


#52
Acenaphthene
Concen: 49.587 ng m
RT: 9.775 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59



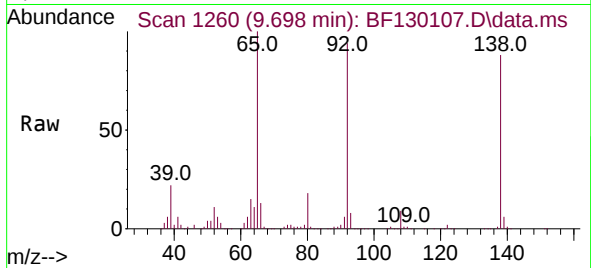
Tgt Ion:154 Resp: 1336366
Ion Ratio Lower Upper
154 100
153 110.1 89.8 134.6
152 53.3 42.1 63.1





#53
3-Nitroaniline
Concen: 32.851 ng
RT: 9.698 min Scan# 1261
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

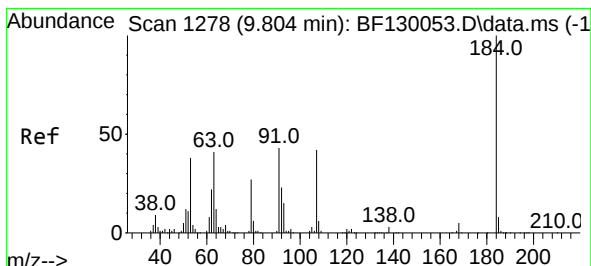
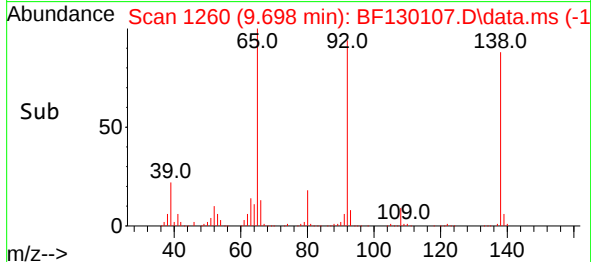
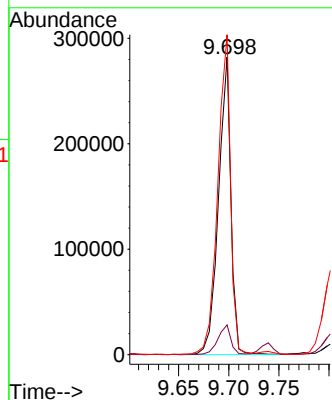
Instrument : BNA_F
ClientSampleId : XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion:138 Resp: 242237
Ion Ratio Lower Upper
138 100
108 10.0 8.4 12.6
92 107.5 89.8 134.8

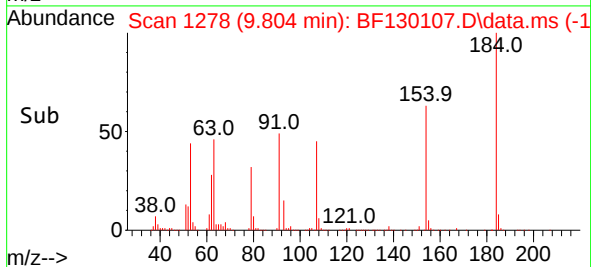
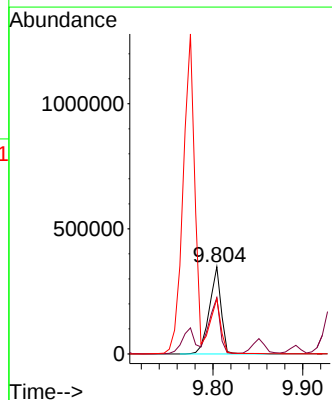
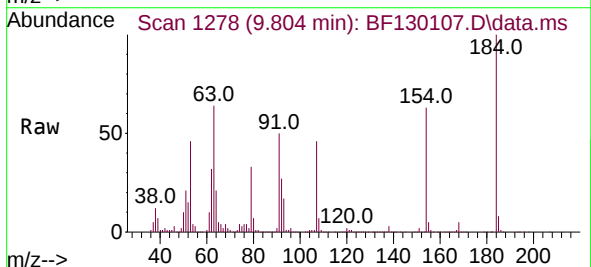
Manual Integrations
APPROVED

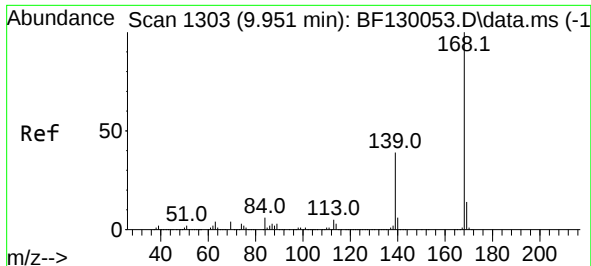
Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrut
Upadhyay
09/06/2022



#54
2,4-Dinitrophenol
Concen: 105.799 ng
RT: 9.804 min Scan# 1278
Delta R.T. 0.000 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

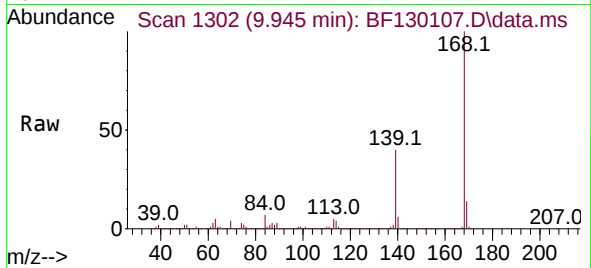
Tgt Ion:184 Resp: 317043
Ion Ratio Lower Upper
184 100
63 64.5 59.6 89.4
154 63.2 55.3 82.9





#55
Dibenzenofuran
Concen: 45.485 ng
RT: 9.945 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

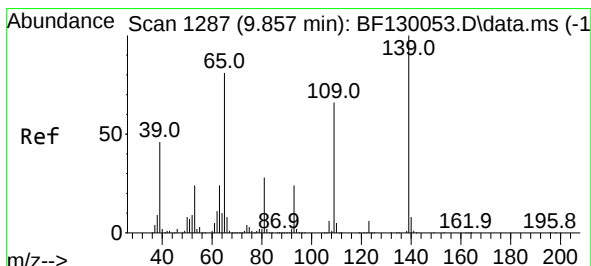
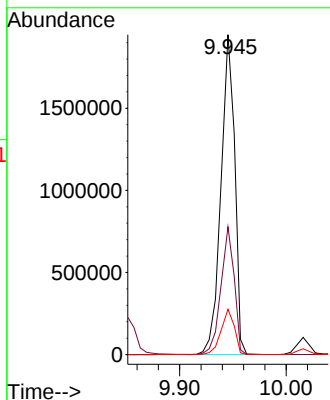
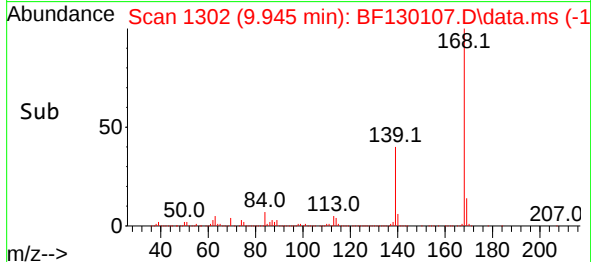
Instrument : BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion:168 Resp: 175526
Ion Ratio Lower Upper
168 100
139 39.9 31.3 46.9
169 14.2 10.7 16.1

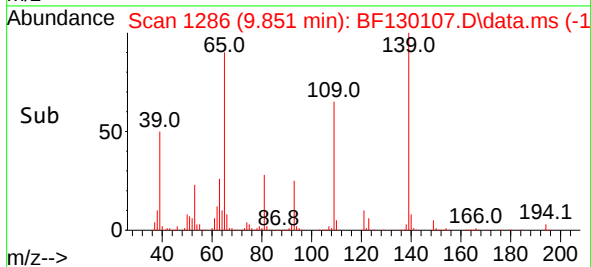
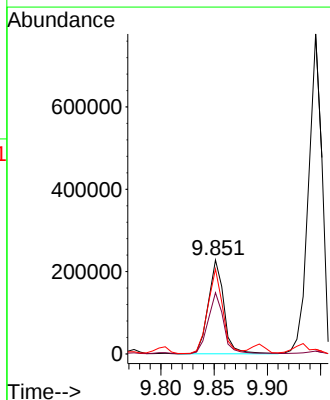
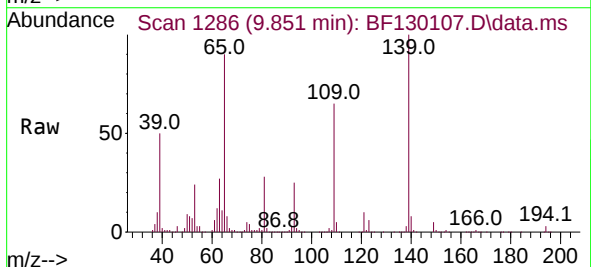
Manual Integrations
APPROVED

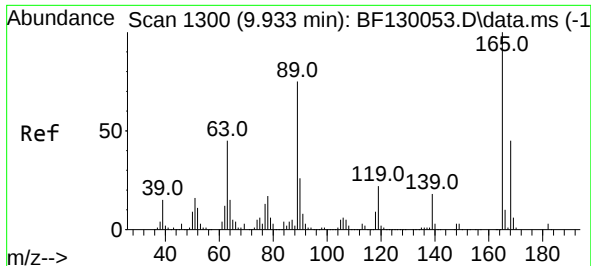
Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrut
Upadhyay
09/06/2022



#56
4-Nitrophenol
Concen: 40.767 ng
RT: 9.851 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

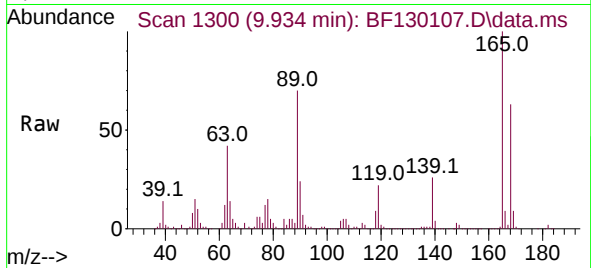
Tgt Ion:139 Resp: 231760
Ion Ratio Lower Upper
139 100
109 65.2 52.9 92.9
65 90.5 79.5 119.5





#57
2,4-Dinitrotoluene
Concen: 59.700 ng
RT: 9.934 min Scan# 1300
Delta R.T. 0.000 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

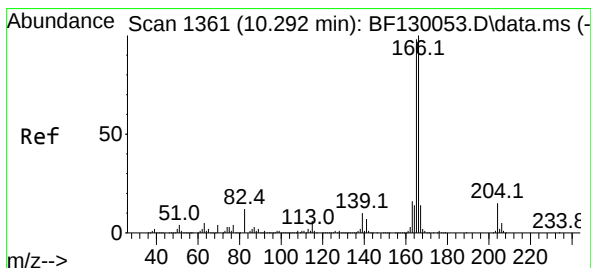
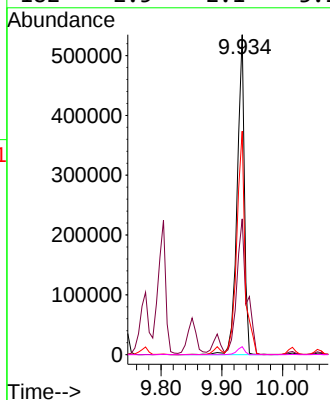
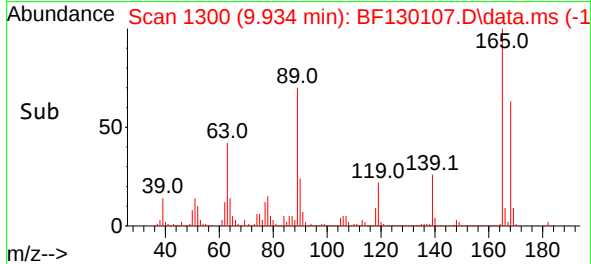
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD



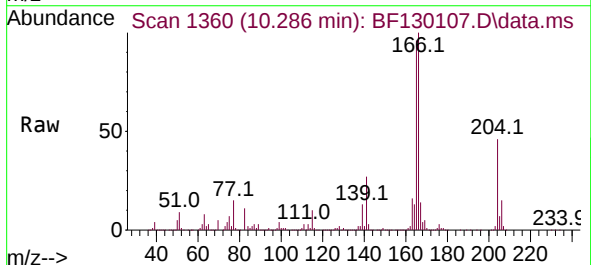
Tgt Ion:165 Resp: 441565
Ion Ratio Lower Upper
165 100
63 42.4 48.4 72.6
89 69.8 62.3 93.5
182 2.5 2.1 3.1

Manual Integrations
APPROVED

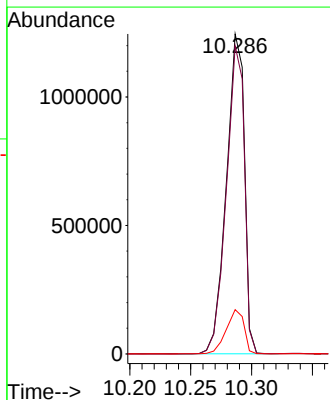
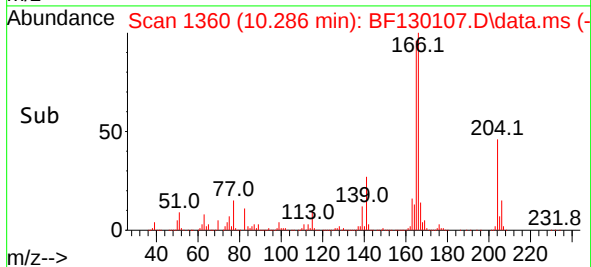
Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrut
Upadhyay
09/06/2022

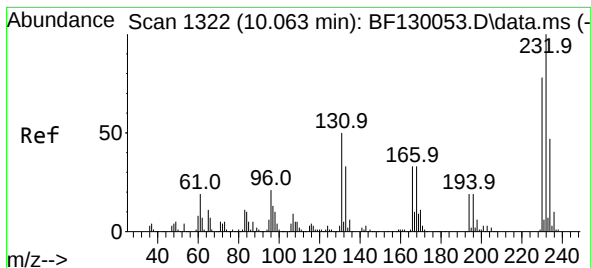


#58
Fluorene
Concen: 43.901 ng
RT: 10.286 min Scan# 1360
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59



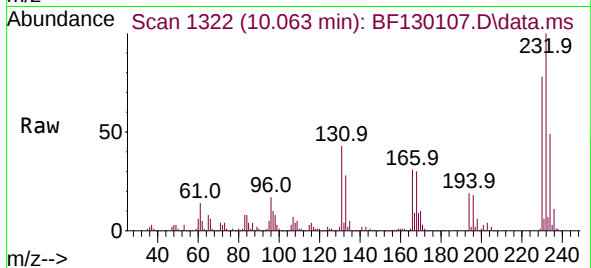
Tgt Ion:166 Resp: 1289046
Ion Ratio Lower Upper
166 100
165 96.3 77.9 116.9
167 13.8 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 45.364 ng
RT: 10.063 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

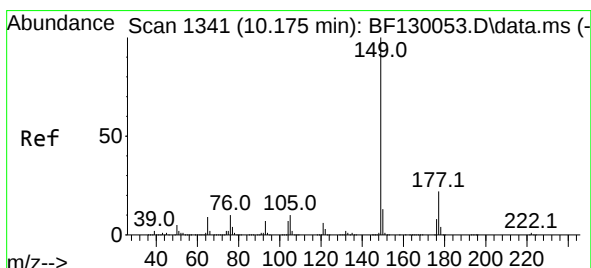
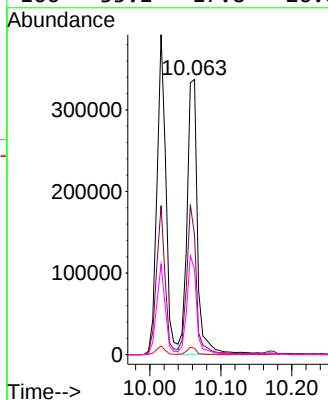
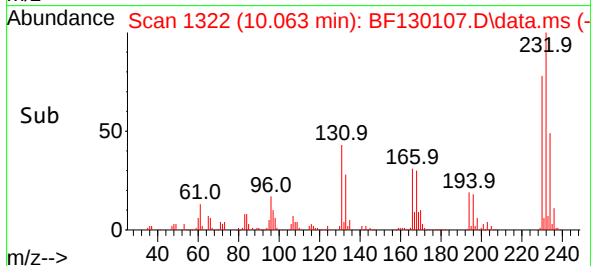
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion:232 Resp: 343871
Ion Ratio Lower Upper
232 100
131 49.5 29.9 44.9
130 2.5 1.5 2.3
166 33.1 17.8 26.8

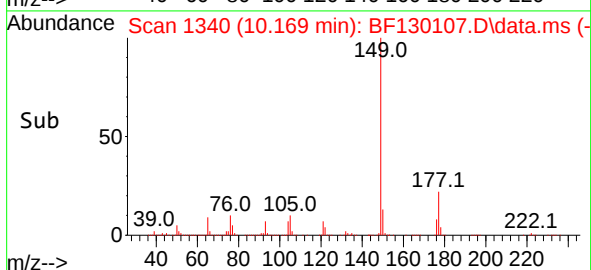
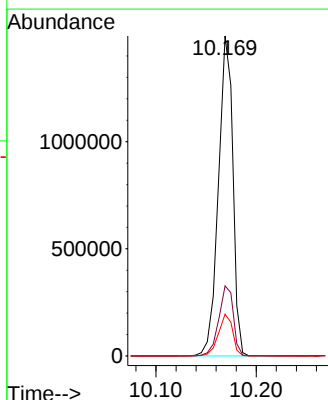
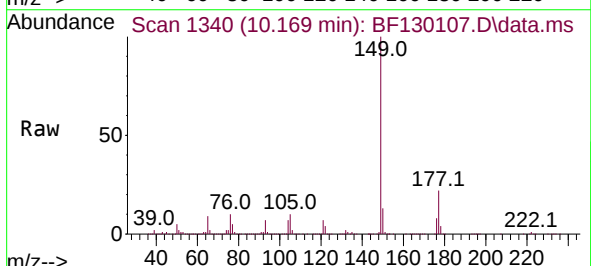
Manual Integrations
APPROVED

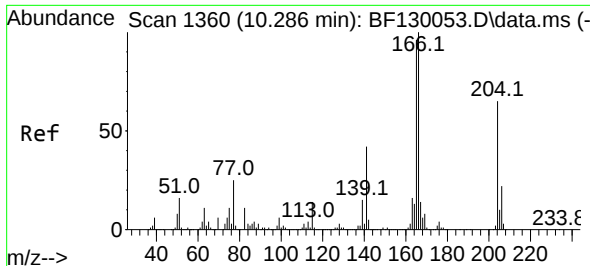
Reviewed By :Christian
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09/06/2022
Supervised By :Jagrut
Upadhyay
09/06/2022



#60
Diethylphthalate
Concen: 47.075 ng
RT: 10.169 min Scan# 1340
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

Tgt Ion:149 Resp: 1500606
Ion Ratio Lower Upper
149 100
177 21.9 17.7 26.5
150 13.0 10.1 15.1





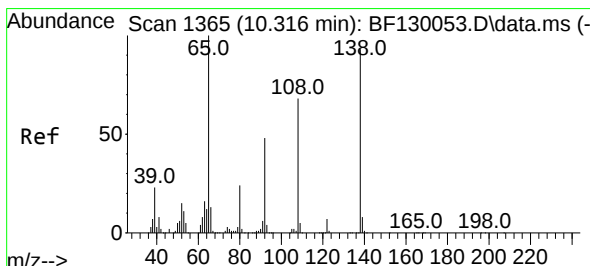
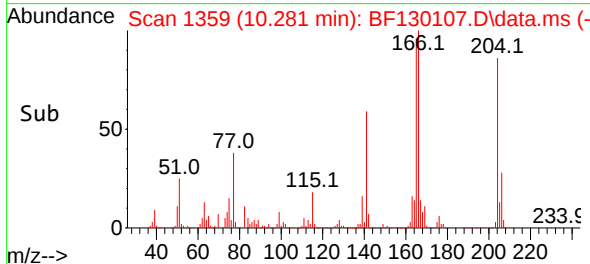
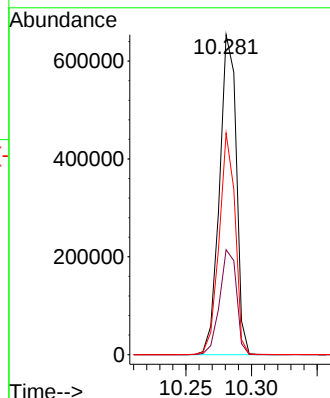
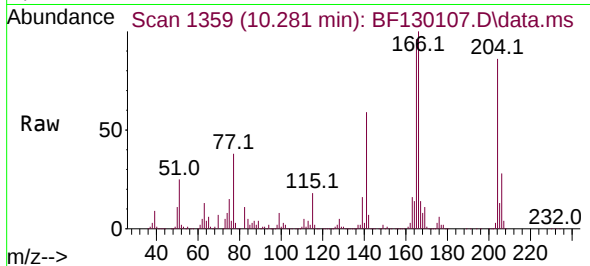
#61
4-Chlorophenyl-phenylether
Concen: 45.074 ng
RT: 10.281 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

Instrument : BNA_F
ClientSampleId : XRDS-RECYCLED-SAND-SP-A-COMPMSD

Tgt Ion:204 Resp: 58505
Ion Ratio Lower Upper
204 100
206 32.8 26.5 39.7
141 69.2 52.6 79.0

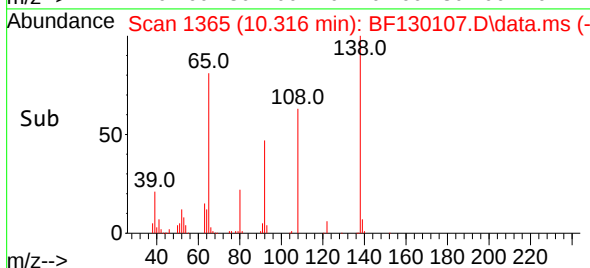
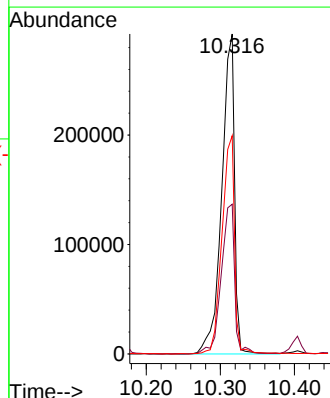
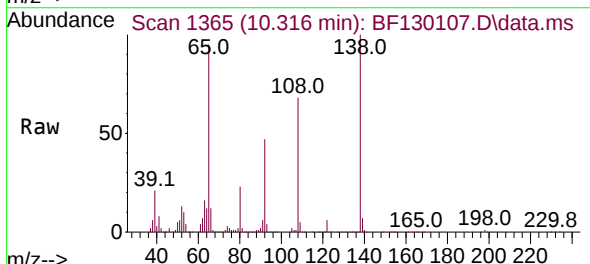
Manual Integrations
APPROVED

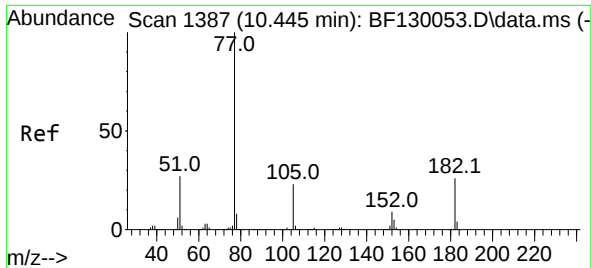
Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrut
Upadhyay
09/06/2022



#62
4-Nitroaniline
Concen: 48.662 ng
RT: 10.316 min Scan# 1365
Delta R.T. 0.000 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

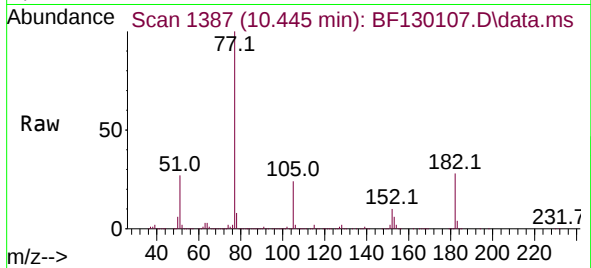
Tgt Ion:138 Resp: 348969
Ion Ratio Lower Upper
138 100
92 46.8 30.3 70.3
108 68.2 55.7 95.7





#63
Azobenzene
Concen: 44.878 ng
RT: 10.445 min Scan# 1387
Delta R.T. 0.000 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

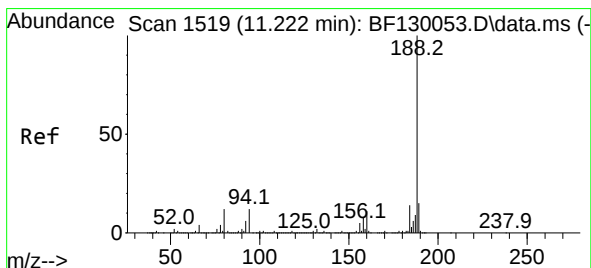
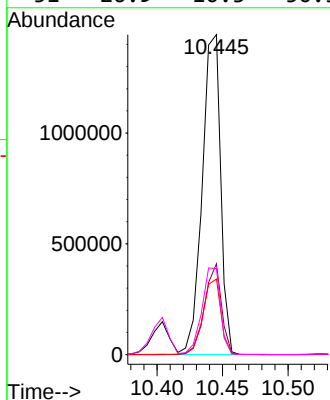
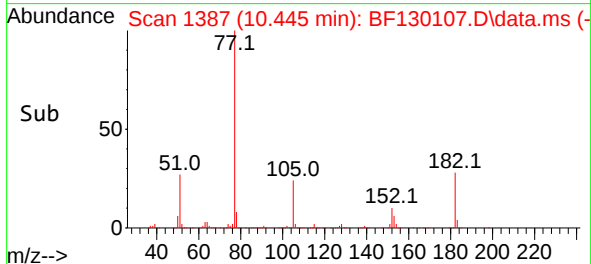
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD



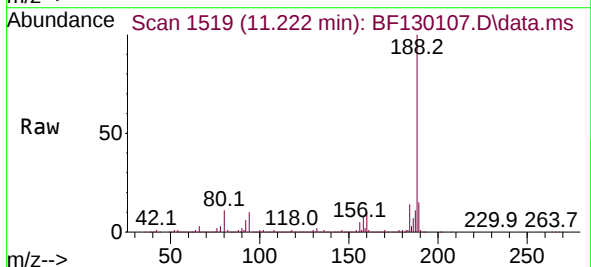
Tgt Ion: 77 Resp: 1408518
Ion Ratio Lower Upper
77 100
182 28.4 2.2 42.2
105 23.6 0.8 40.8
51 26.9 10.3 50.3

Manual Integrations
APPROVED

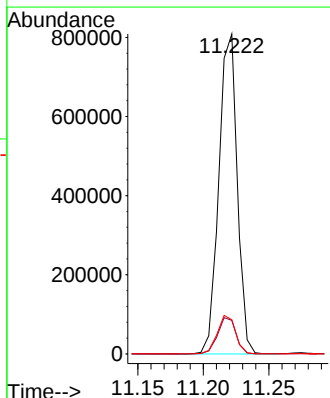
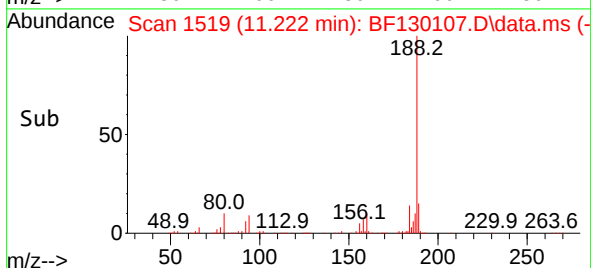
Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrit
Upadhyay
09/06/2022

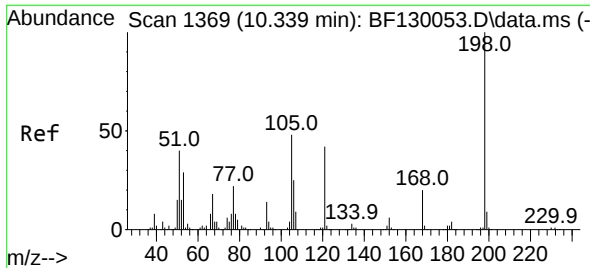


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.222 min Scan# 1519
Delta R.T. -0.000 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59



Tgt Ion:188 Resp: 793187
Ion Ratio Lower Upper
188 100
94 10.5 7.4 11.2
80 10.7 7.9 11.9





#65

4,6-Dinitro-2-methylphenol

Concen: 53.889 ng

RT: 10.339 min Scan# 1369

Delta R.T. 0.000 min

Lab File: BF130107.D

Acq: 02 Sep 2022 12:59

Instrument :

BNA_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMPMSD

Tgt Ion:198 Resp: 204420

Ion Ratio Lower Upper

198 100

51 30.7 29.4 69.4

105 40.0 29.2 69.2

Manual Integrations

APPROVED

Reviewed By :Christian

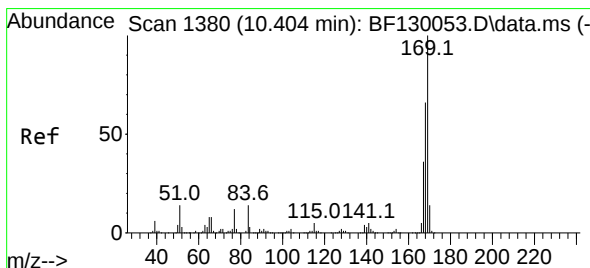
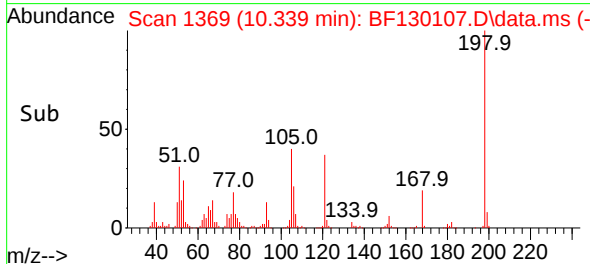
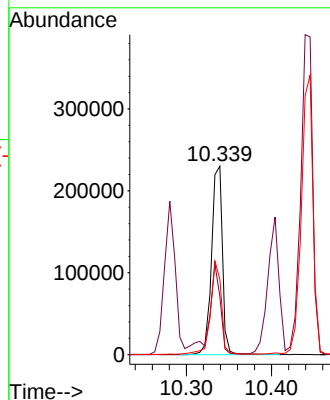
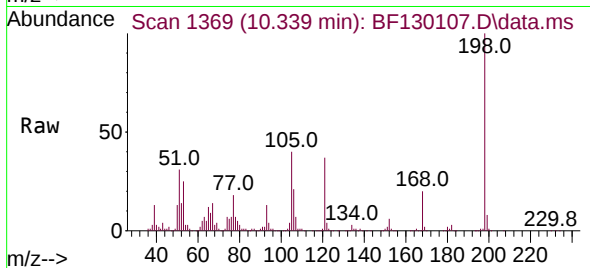
Giraldo

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Upadhyay

09/06/2022



#66

n-Nitrosodiphenylamine

Concen: 46.250 ng

RT: 10.404 min Scan# 1380

Delta R.T. 0.000 min

Lab File: BF130107.D

Acq: 02 Sep 2022 12:59

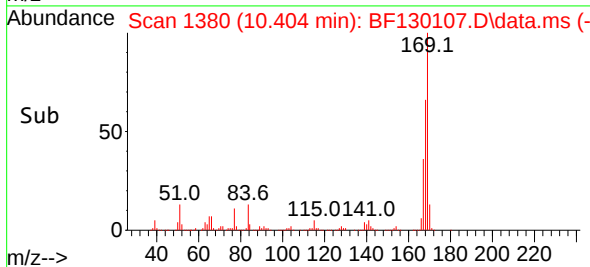
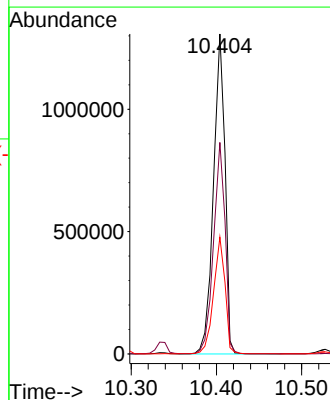
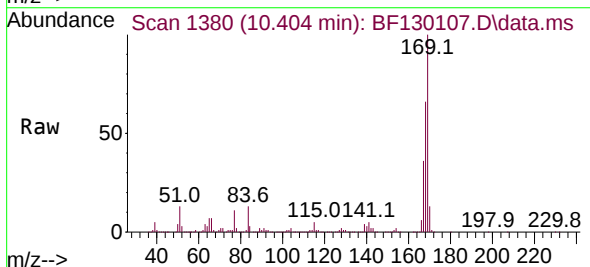
Tgt Ion:169 Resp: 1226349

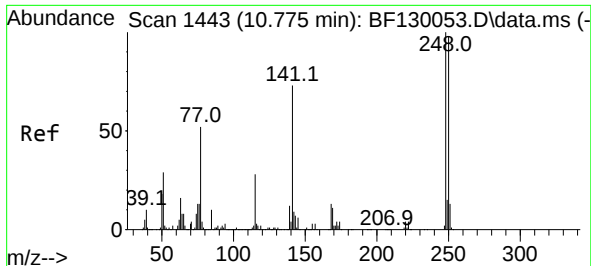
Ion Ratio Lower Upper

169 100

168 66.1 53.4 80.2

167 36.5 29.1 43.7





#67

4-Bromophenyl-phenylether

Concen: 47.491 ng

RT: 10.769 min Scan# 1442

Delta R.T. -0.006 min

Lab File: BF130107.D

Acq: 02 Sep 2022 12:59

Instrument :

BNA_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMPMSD

Tgt Ion:	248	Resp:	418994
Ion Ratio	Lower	Upper	
248	100		
250	96.7	77.8	116.6
141	80.5	66.2	99.2

Manual Integrations

APPROVED

Reviewed By :Christian

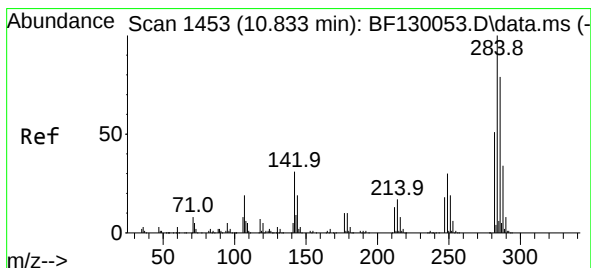
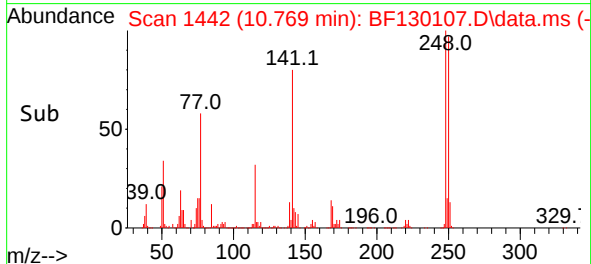
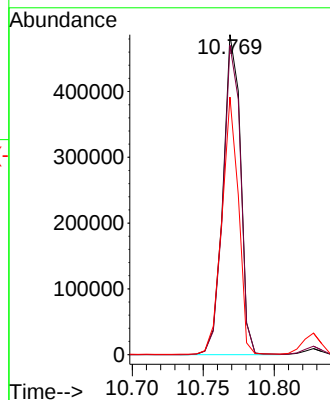
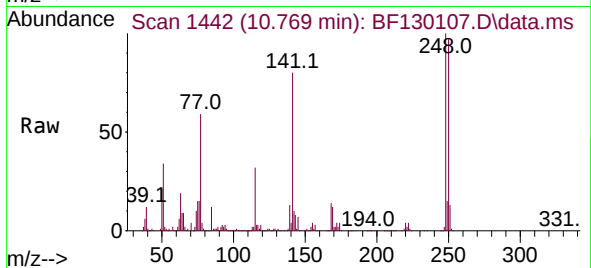
Giraldo

09/06/2022

Supervised By :Jagrut

Upadhyay

09/06/2022



#68

Hexachlorobenzene

Concen: 47.466 ng

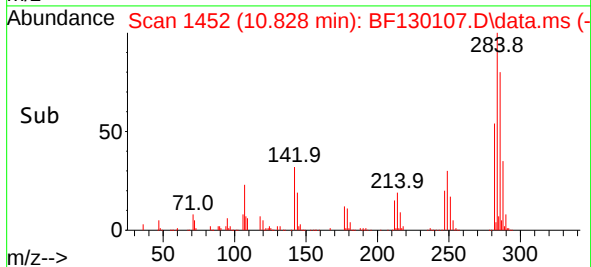
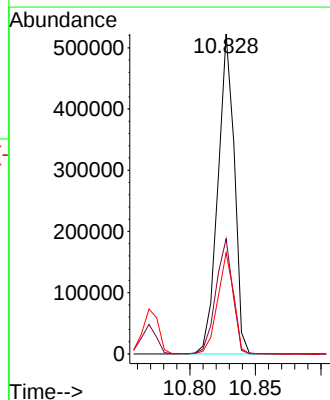
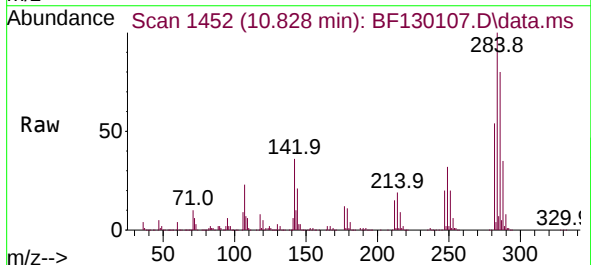
RT: 10.828 min Scan# 1452

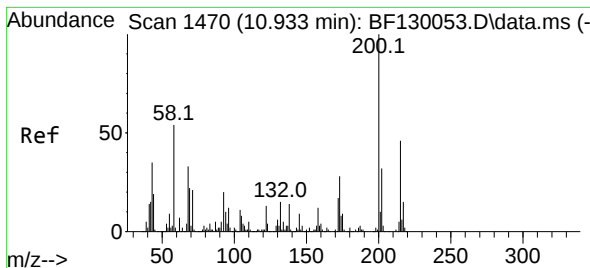
Delta R.T. -0.006 min

Lab File: BF130107.D

Acq: 02 Sep 2022 12:59

Tgt Ion:	284	Resp:	456306
Ion Ratio	Lower	Upper	
284	100		
142	36.0	31.4	47.0
249	31.6	25.7	38.5





#69

Atrazine

Concen: 52.678 ng

RT: 10.933 min Scan# 1470

Delta R.T. 0.000 min

Lab File: BF130107.D

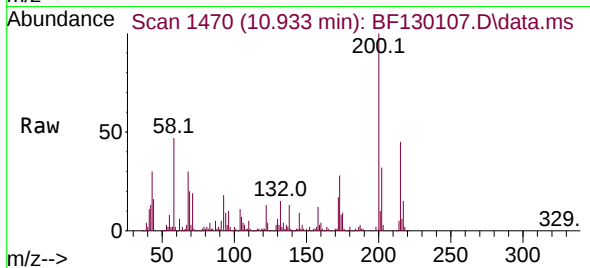
Acq: 02 Sep 2022 12:59

Instrument :

BNA_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion:200 Resp: 395160

Ion Ratio Lower Upper

200 100

173 28.3 6.4 46.4

215 45.4 27.1 67.1

Manual Integrations

APPROVED

Reviewed By :Christian

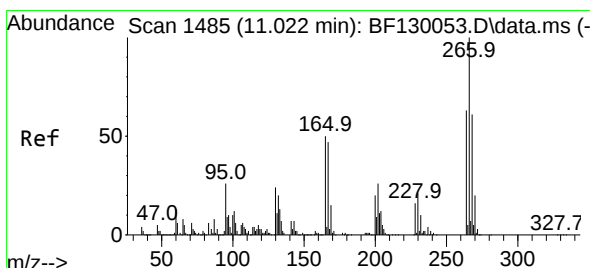
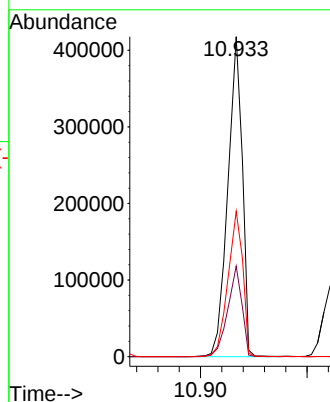
Giraldo

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Supervised By :Jagrut

Upadhyay

09/06/2022



#70

Pentachlorophenol

Concen: 95.738 ng

RT: 11.022 min Scan# 1485

Delta R.T. 0.000 min

Lab File: BF130107.D

Acq: 02 Sep 2022 12:59

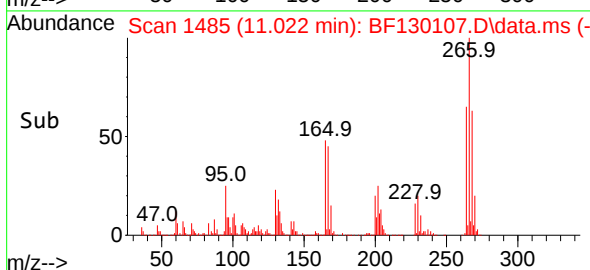
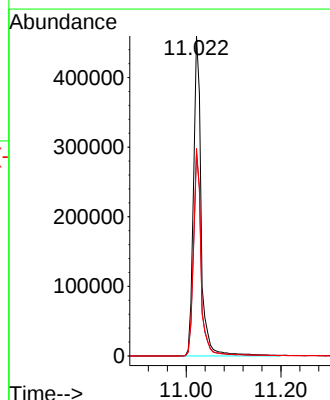
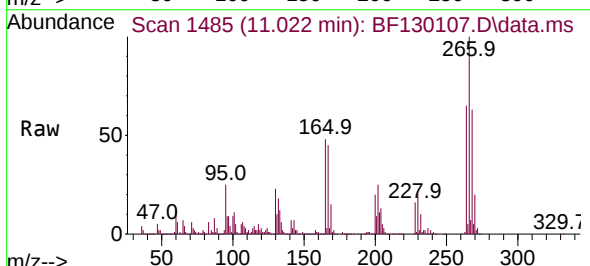
Tgt Ion:266 Resp: 514658

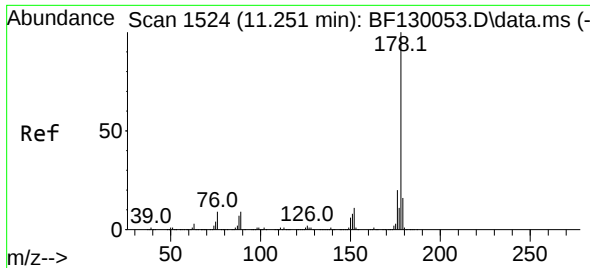
Ion Ratio Lower Upper

266 100

268 63.4 49.0 73.4

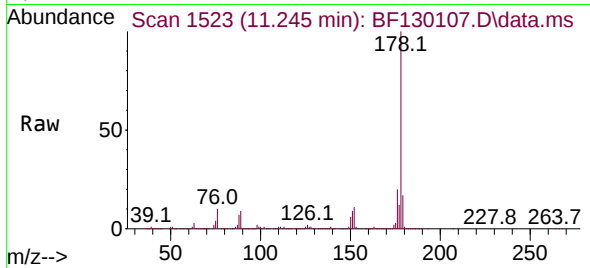
264 64.8 47.9 71.9





#71
Phenanthrene
Concen: 44.523 ng
RT: 11.245 min Scan# 1523
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

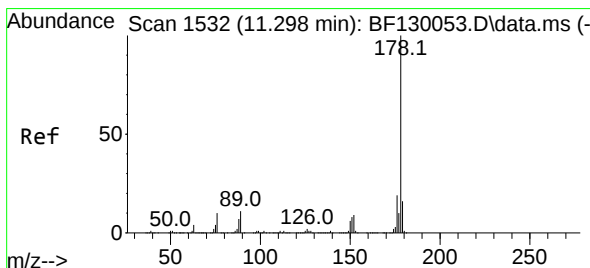
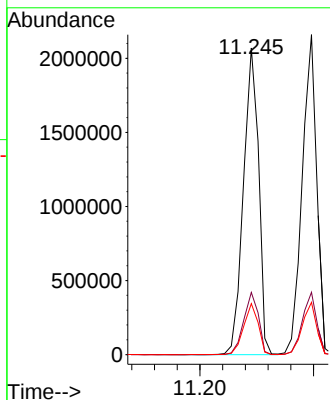
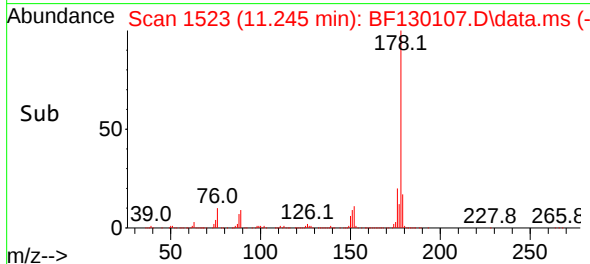
Instrument : BNA_F
ClientSampleId : XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion:178 Resp: 1915168
Ion Ratio Lower Upper
178 100
176 20.3 15.5 23.3
179 16.6 12.5 18.7

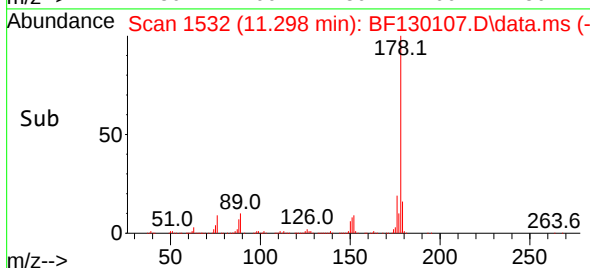
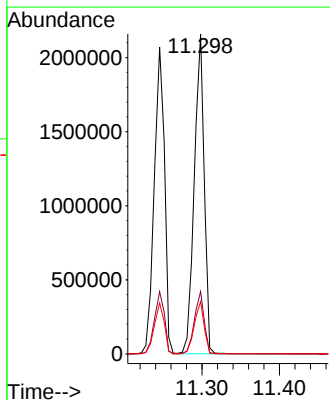
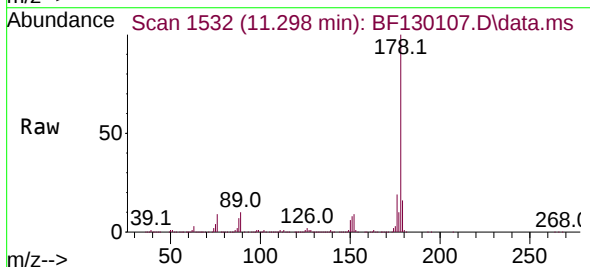
Manual Integrations
APPROVED

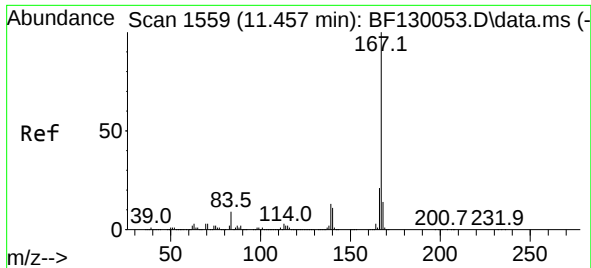
Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrut
Upadhyay
09/06/2022



#72
Anthracene
Concen: 45.489 ng
RT: 11.298 min Scan# 1532
Delta R.T. 0.000 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

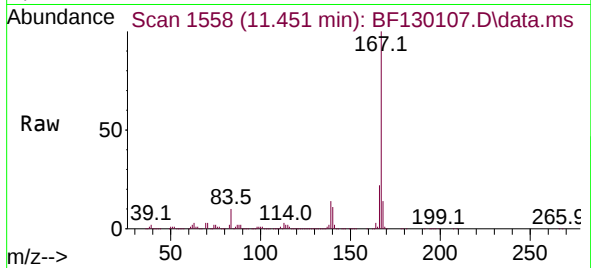
Tgt Ion:178 Resp: 1923583
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 16.3 12.6 18.8





#73
 Carbazole
 Concen: 46.623 ng
 RT: 11.451 min Scan# 1558
 Delta R.T. -0.006 min
 Lab File: BF130107.D
 Acq: 02 Sep 2022 12:59

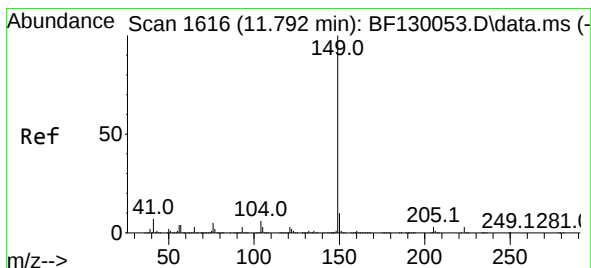
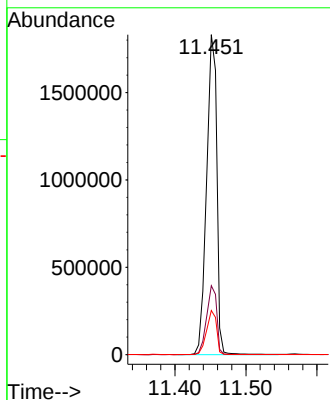
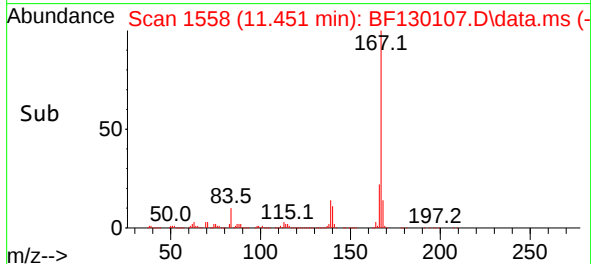
Instrument : BNA_F
 ClientSampleId : XRDS-RECYCLED-SAND-SP-A-COMPMSD



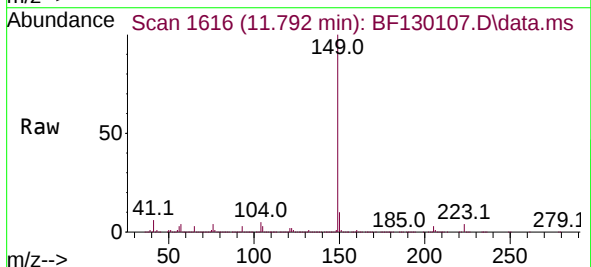
Tgt Ion:167 Resp: 1818016
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.1 25.7
 139 13.8 11.0 16.6

Manual Integrations
 APPROVED

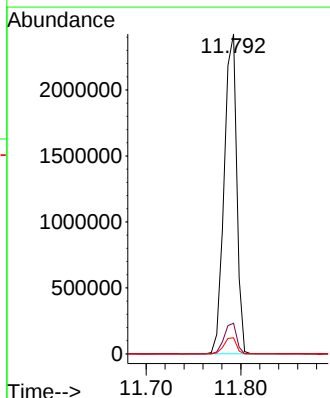
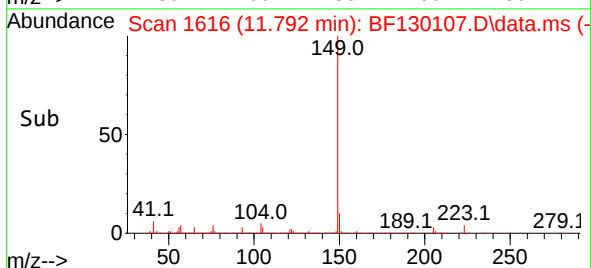
Reviewed By :Christian
 Giraldo
 09/06/2022
 Supervised By :Jagrut
 Upadhyay
 09/06/2022

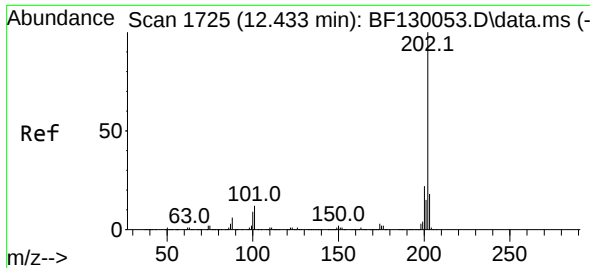


#74
 Di-n-butylphthalate
 Concen: 47.345 ng
 RT: 11.792 min Scan# 1616
 Delta R.T. 0.000 min
 Lab File: BF130107.D
 Acq: 02 Sep 2022 12:59



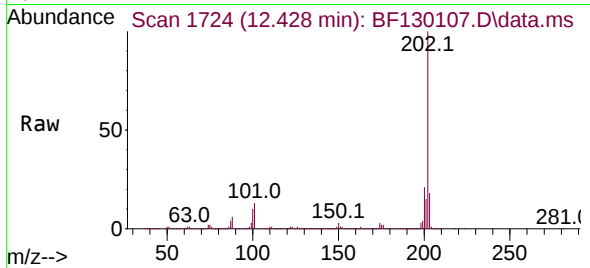
Tgt Ion:149 Resp: 2226237
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.8 11.6
 104 5.0 4.2 6.4





#75
Fluoranthene
Concen: 44.236 ng
RT: 12.428 min Scan# 1724
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

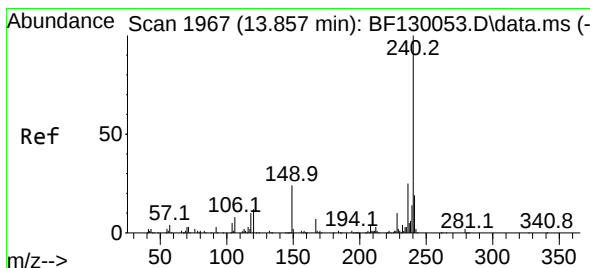
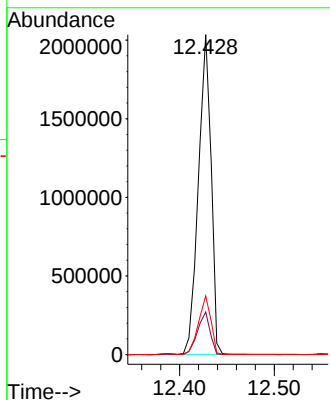
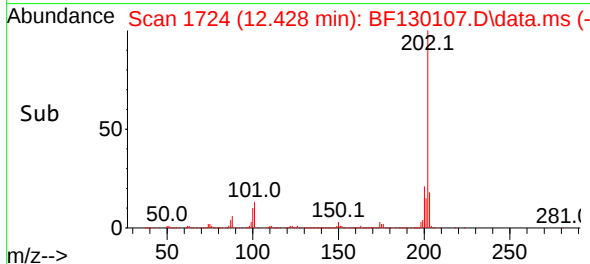
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion:202 Resp: 1886931
Ion Ratio Lower Upper
202 100
101 13.3 0.0 30.7
203 18.3 0.0 37.5

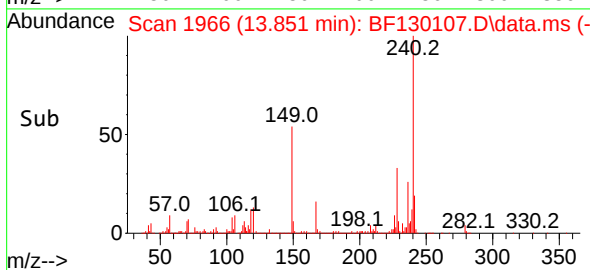
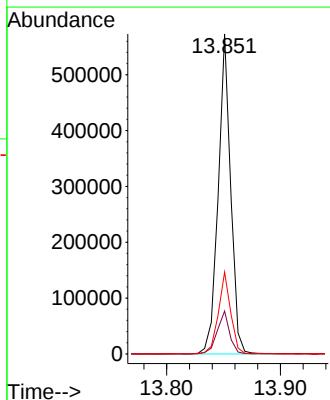
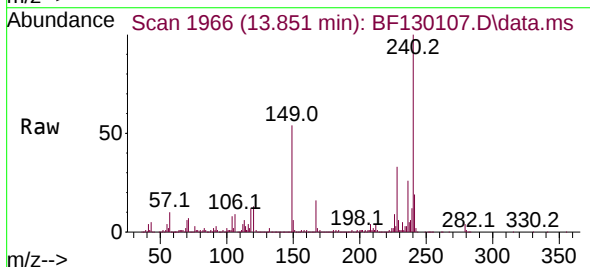
Manual Integrations
APPROVED

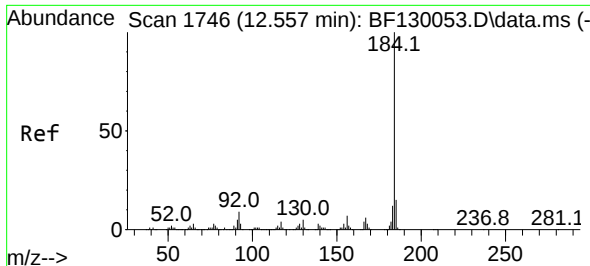
Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrut
Upadhyay
09/06/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.851 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

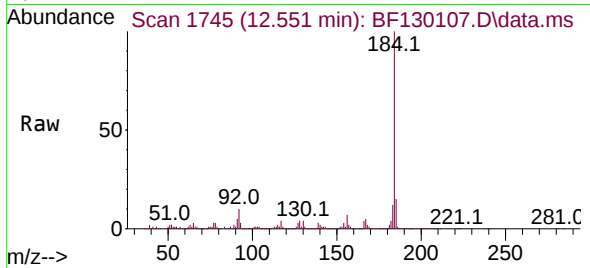
Tgt Ion:240 Resp: 434695
Ion Ratio Lower Upper
240 100
120 13.4 9.2 13.8
236 25.6 20.7 31.1





#77
Benzidine
Concen: 55.077 ng
RT: 12.551 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

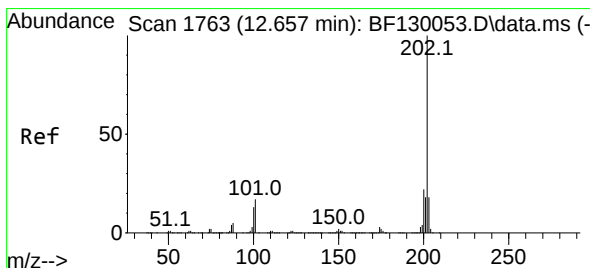
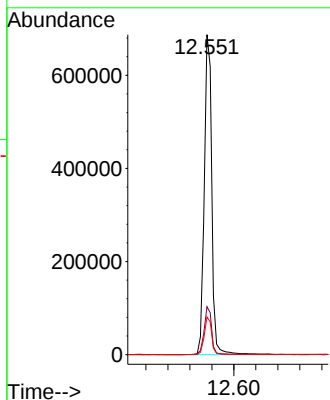
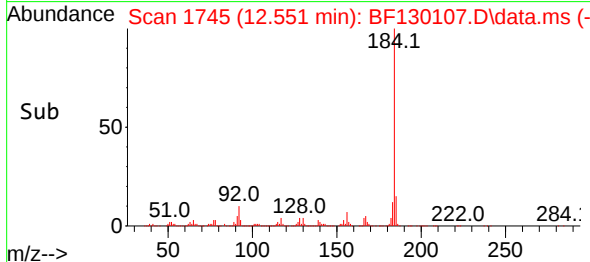
Instrument : BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion:184 Resp: 646402
Ion Ratio Lower Upper
184 100
185 15.0 11.4 17.2
183 11.8 9.4 14.2

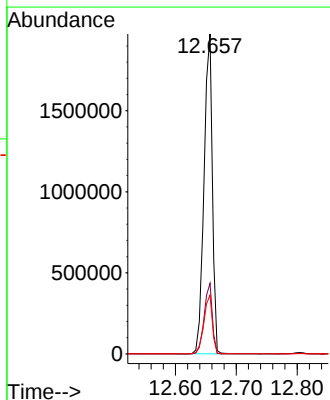
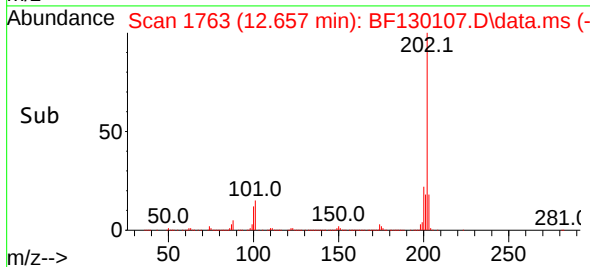
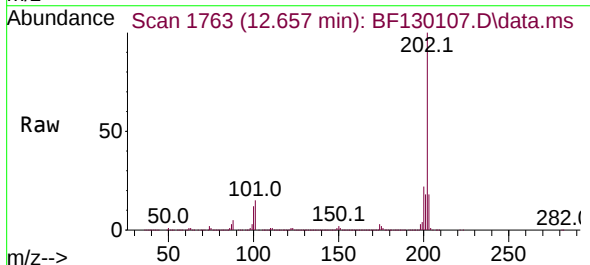
Manual Integrations
APPROVED

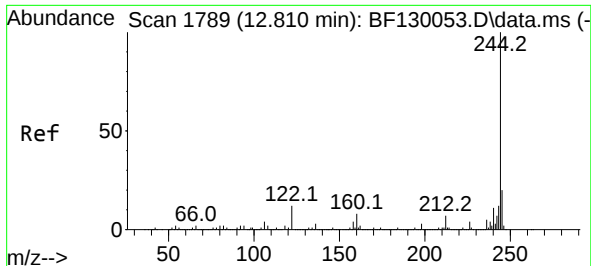
Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrut
Upadhyay
09/06/2022



#78
Pyrene
Concen: 47.954 ng
RT: 12.657 min Scan# 1763
Delta R.T. 0.000 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

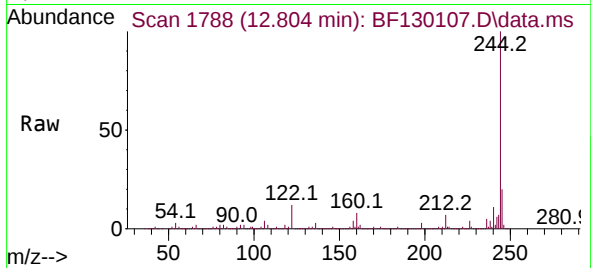
Tgt Ion:202 Resp: 1869713
Ion Ratio Lower Upper
202 100
200 22.1 17.0 25.6
203 18.4 14.1 21.1





#79
Terphenyl-d14
Concen: 93.349 ng
RT: 12.804 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

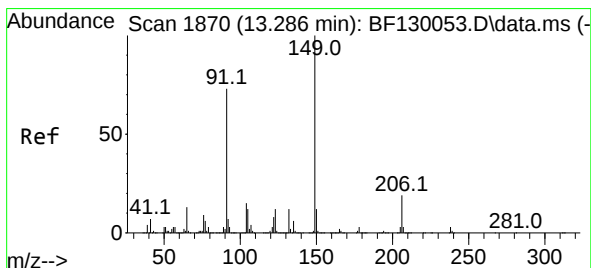
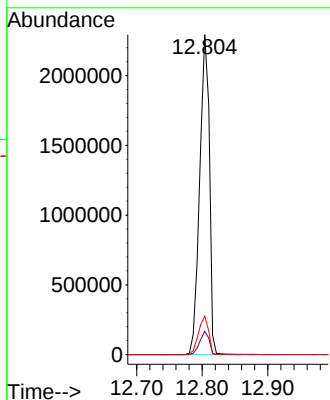
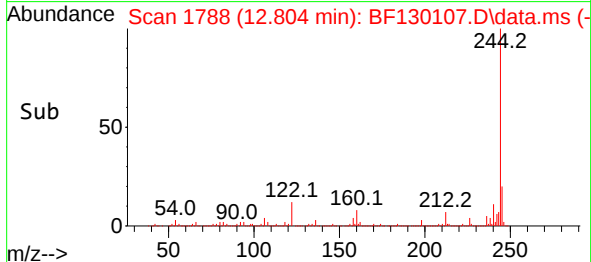
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion:244 Resp: 233999
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 12.0 9.9 14.9

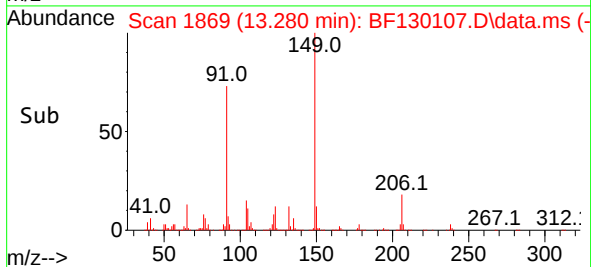
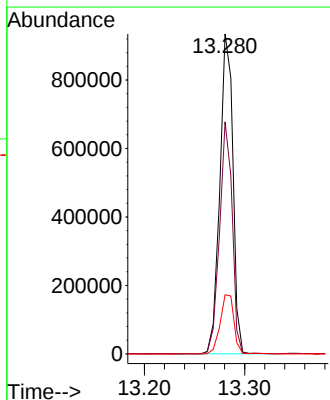
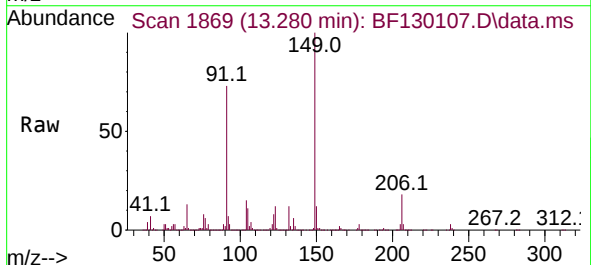
Manual Integrations
APPROVED

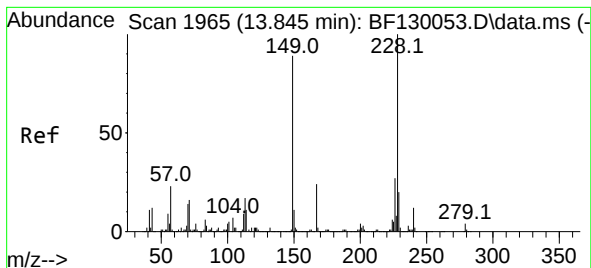
Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrut
Upadhyay
09/06/2022



#80
Butylbenzylphthalate
Concen: 54.817 ng
RT: 13.280 min Scan# 1869
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

Tgt Ion:149 Resp: 850117
Ion Ratio Lower Upper
149 100
91 72.5 55.4 83.0
206 18.5 15.8 23.6





#81

Benzo(a)anthracene

Concen: 45.312 ng

RT: 13.839 min Scan# 1964

Delta R.T. -0.006 min

Lab File: BF130107.D

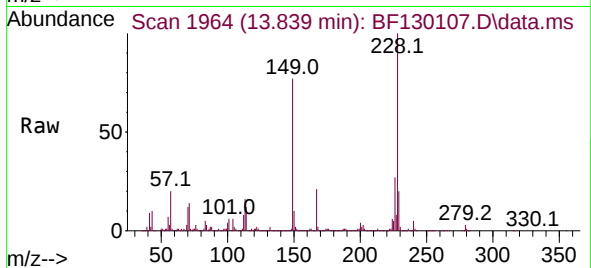
Acq: 02 Sep 2022 12:59

Instrument :

BNA_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion:228 Resp: 1349832

Ion Ratio Lower Upper

228 100

226 27.2 21.4 32.0

229 20.1 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Christian

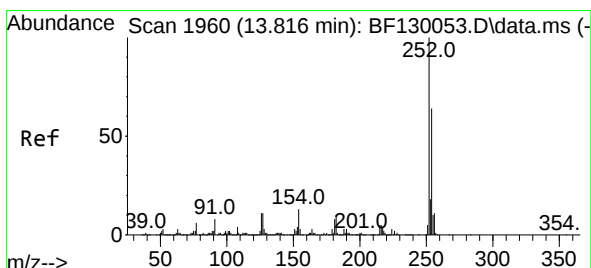
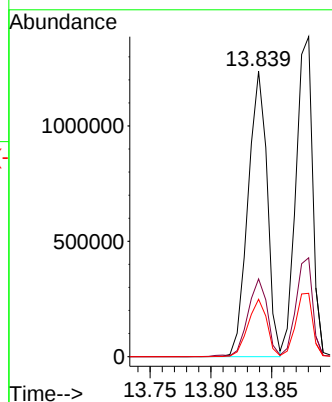
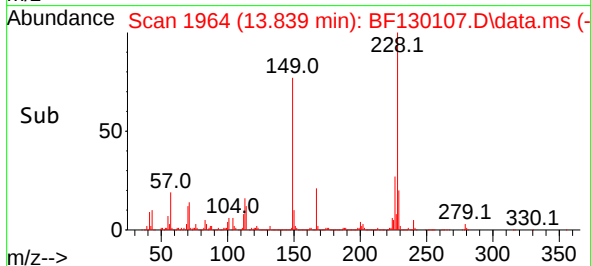
Giraldo

09/06/2022

Supervised By :Jagrut

Upadhyay

09/06/2022



#82

3,3'-Dichlorobenzidine

Concen: 33.753 ng

RT: 13.810 min Scan# 1959

Delta R.T. -0.006 min

Lab File: BF130107.D

Acq: 02 Sep 2022 12:59

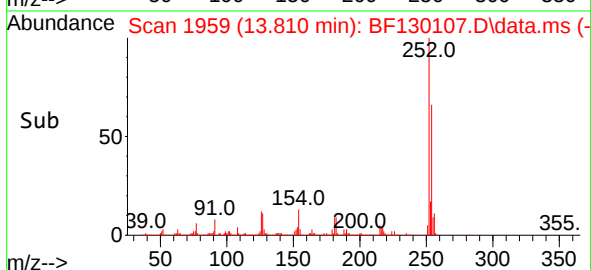
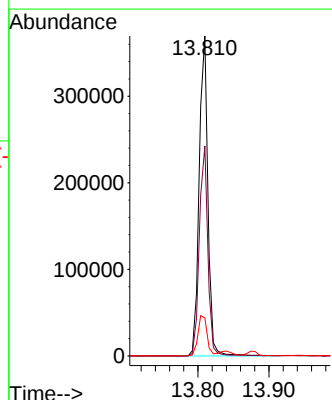
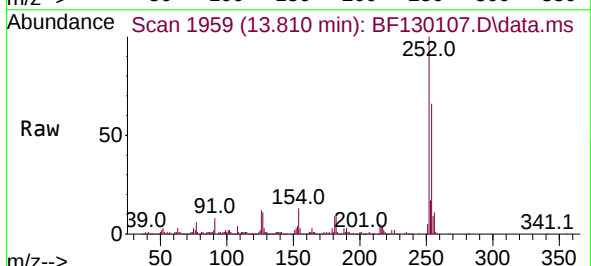
Tgt Ion:252 Resp: 313567

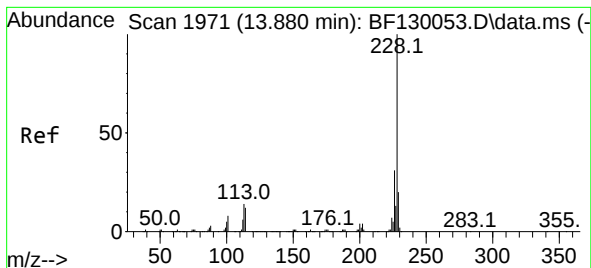
Ion Ratio Lower Upper

252 100

254 65.6 51.4 77.2

126 11.8 10.2 15.4





#83

Chrysene

Concen: 45.126 ng

RT: 13.880 min Scan# 1971

Delta R.T. 0.000 min

Lab File: BF130107.D

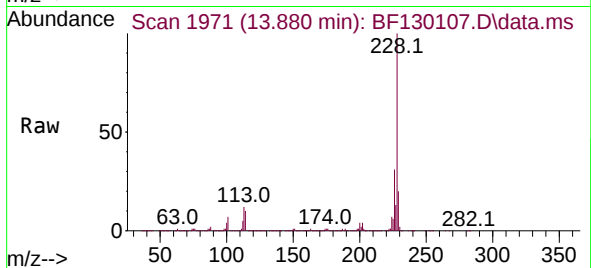
Acq: 02 Sep 2022 12:59

Instrument :

BNA_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion:228 Resp: 1325348

Ion Ratio Lower Upper

228 100

226 30.9 24.4 36.6

229 19.8 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Christian

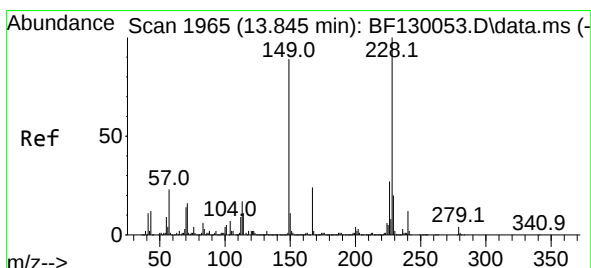
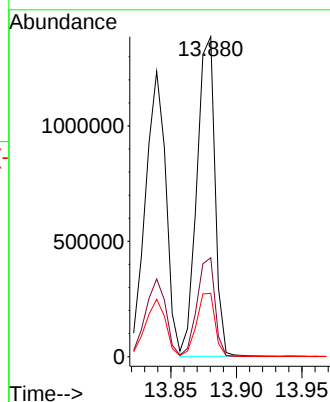
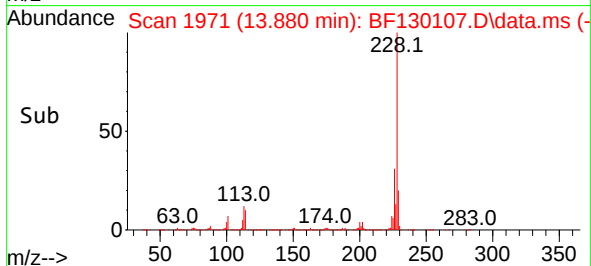
Giraldo

09/06/2022

Supervised By :Jagrut

Upadhyay

09/06/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.546 ng

RT: 13.845 min Scan# 1965

Delta R.T. 0.000 min

Lab File: BF130107.D

Acq: 02 Sep 2022 12:59

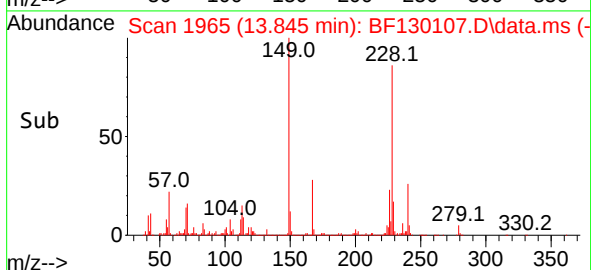
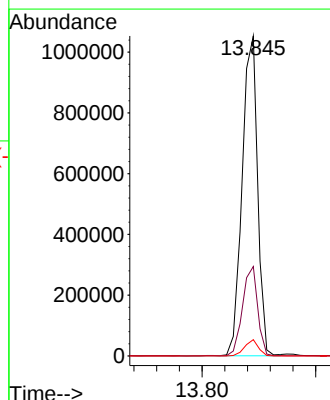
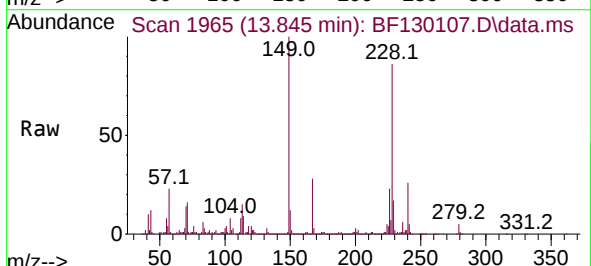
Tgt Ion:149 Resp: 993636

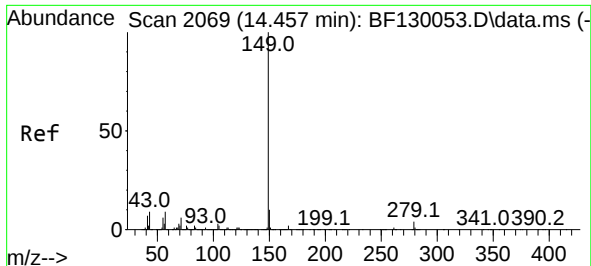
Ion Ratio Lower Upper

149 100

167 27.9 22.0 33.0

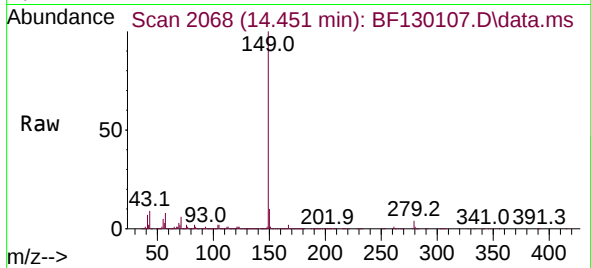
279 5.1 3.6 5.4





#85
Di-n-octyl phthalate
Concen: 54.194 ng
RT: 14.451 min Scan# 2069
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

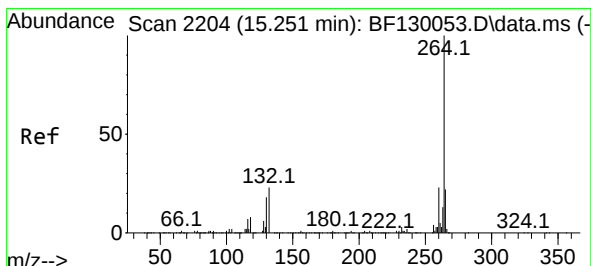
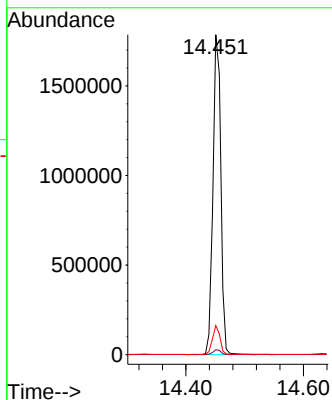
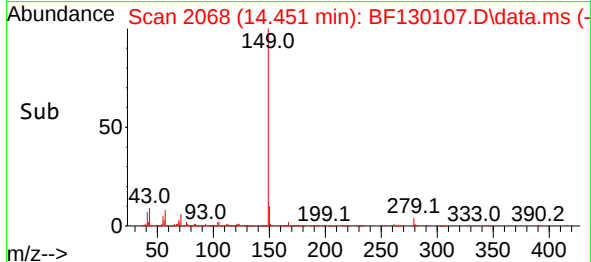
Instrument : BNA_F
Client SampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion:149 Resp: 1650205
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.8 7.8 11.6

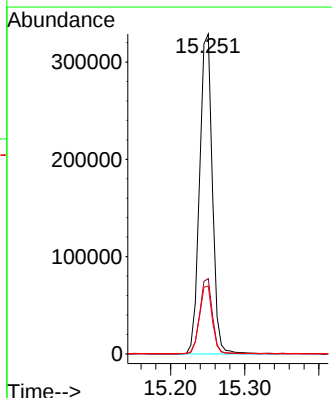
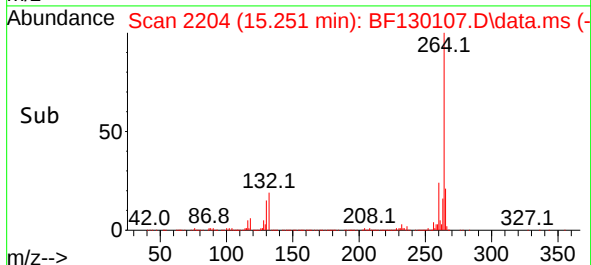
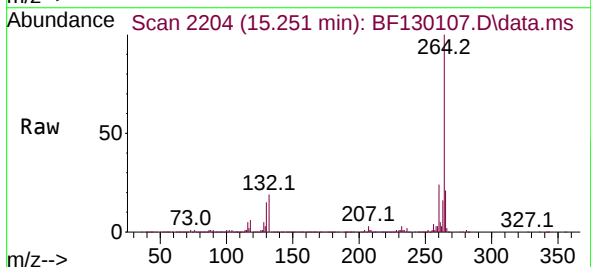
Manual Integrations
APPROVED

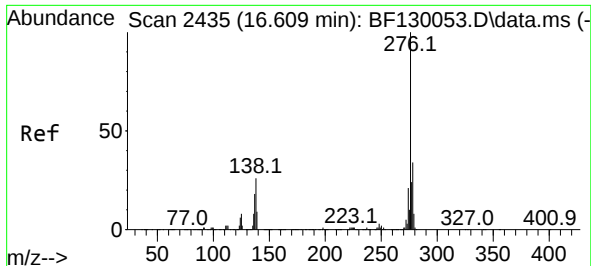
Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrut
Upadhyay
09/06/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.251 min Scan# 2204
Delta R.T. 0.000 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

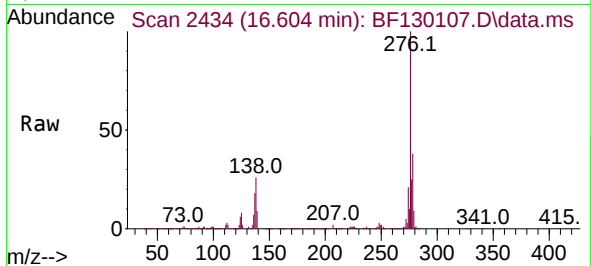
Tgt Ion:264 Resp: 393538
Ion Ratio Lower Upper
264 100
260 23.5 19.1 28.7
265 21.2 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 51.975 ng
RT: 16.604 min Scan# 2435
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

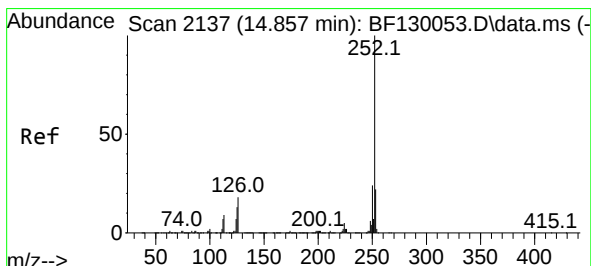
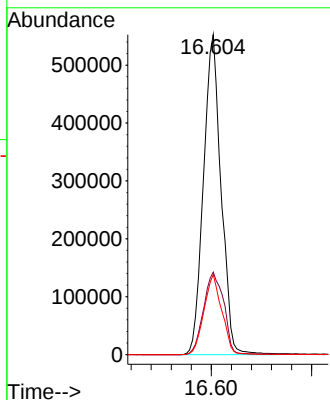
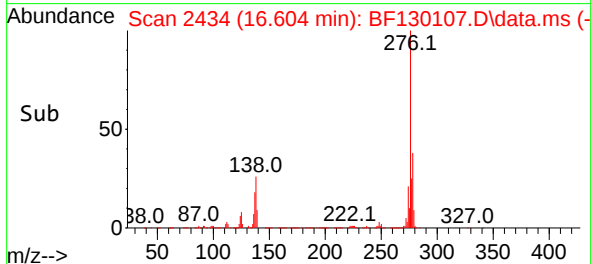
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion:276 Resp: 1349237
Ion Ratio Lower Upper
276 100
138 29.4 19.8 29.8
277 25.3 20.4 30.6

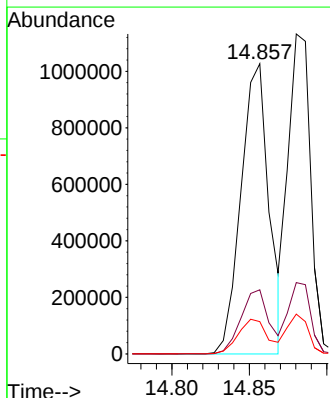
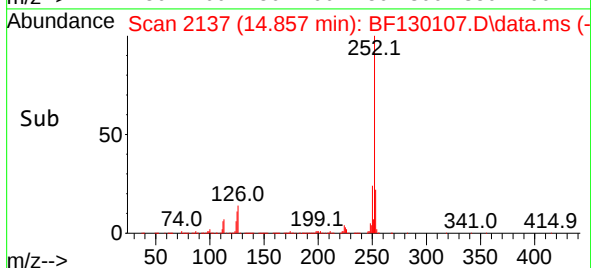
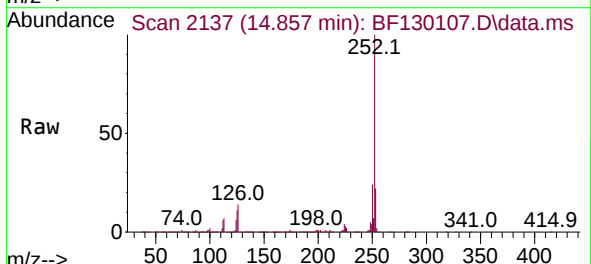
Manual Integrations
APPROVED

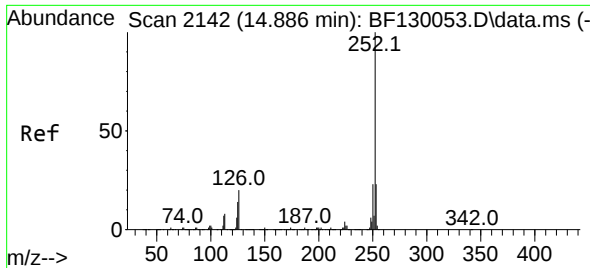
Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrut
Upadhyay
09/06/2022



#88
Benzo(b)fluoranthene
Concen: 49.292 ng
RT: 14.857 min Scan# 2137
Delta R.T. 0.000 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

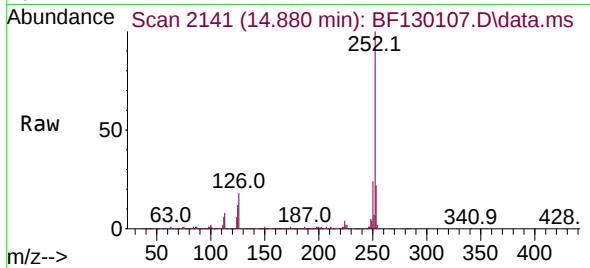
Tgt Ion:252 Resp: 1293617
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 11.1 8.3 12.5





#89
Benzo(k)fluoranthene
Concen: 45.451 ng
RT: 14.880 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

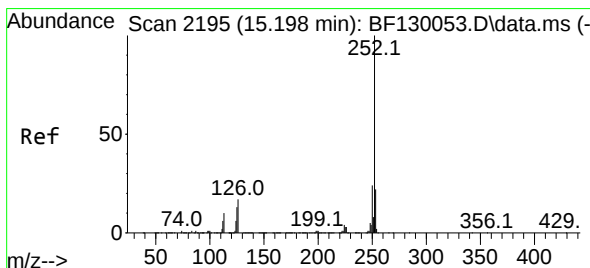
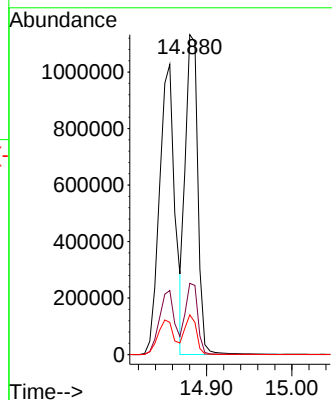
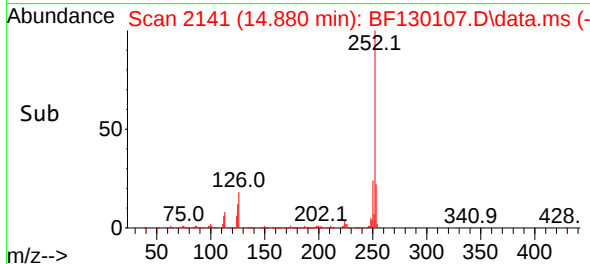
Instrument : BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion:252 Resp: 1153617
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 12.4 8.3 12.5

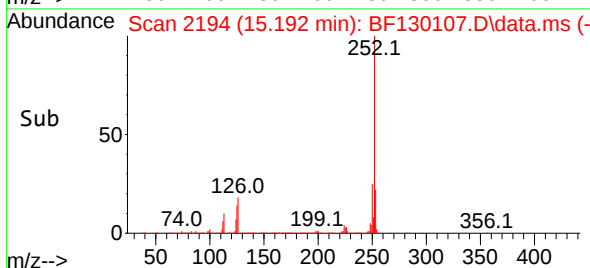
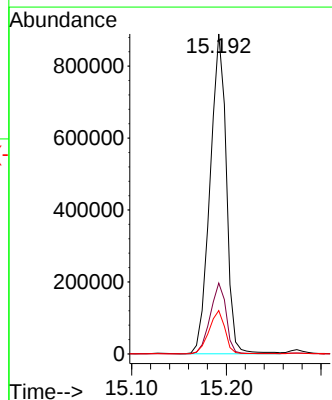
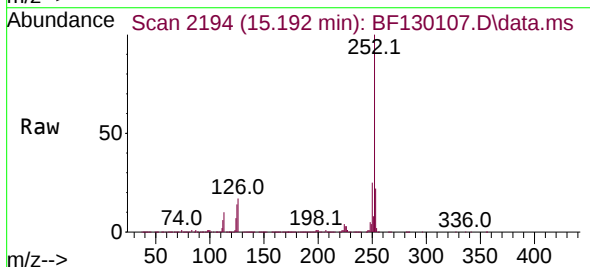
Manual Integrations
APPROVED

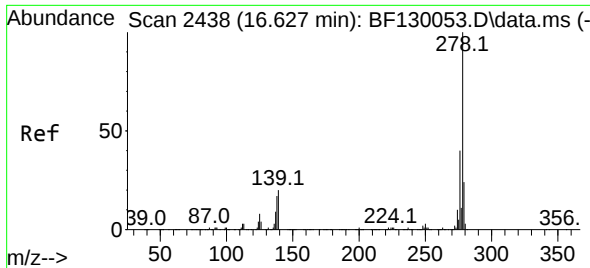
Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrut
Upadhyay
09/06/2022



#90
Benzo(a)pyrene
Concen: 50.944 ng
RT: 15.192 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

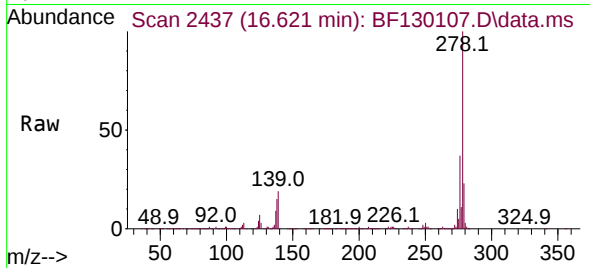
Tgt Ion:252 Resp: 1062374
Ion Ratio Lower Upper
252 100
253 22.1 17.2 25.8
125 13.5 8.8 13.2#





#91
Dibenzo(a,h)anthracene
Concen: 55.352 ng
RT: 16.621 min Scan# 2438
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

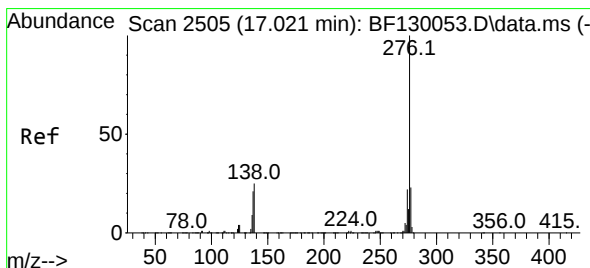
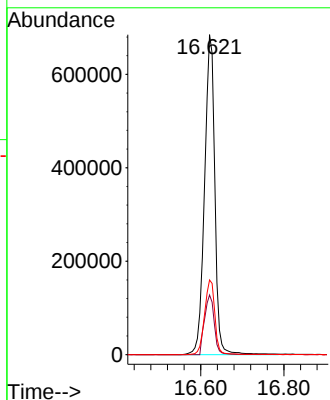
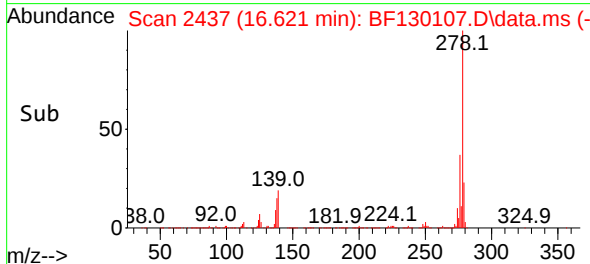
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMPMSD



Tgt Ion:278 Resp: 1175764
Ion Ratio Lower Upper
278 100
139 18.6 12.2 18.4
279 23.3 18.7 28.1

Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo
09/06/2022
Supervised By :Jagrut
Upadhyay
09/06/2022



#92
Benzo(g,h,i)perylene
Concen: 55.882 ng
RT: 17.015 min Scan# 2504
Delta R.T. -0.006 min
Lab File: BF130107.D
Acq: 02 Sep 2022 12:59

Tgt Ion:276 Resp: 1187636
Ion Ratio Lower Upper
276 100
277 24.2 18.2 27.4
138 25.1 15.8 23.8

