

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050223\
 Data File : BF133181.D
 Acq On : 02 May 2023 10:56
 Operator : CG\JU
 Sample : PB152505BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB152505BS

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/03/2023
 Supervised By : Jagrut Upadhyay 05/03/2023

Quant Time: May 03 06:11:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 04:52:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	199010	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	809279	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	409671	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	734700	20.000	ng	0.00
76) Chrysene-d12	13.892	240	488477	20.000	ng	0.00
86) Perylene-d12	15.309	264	431916	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	1408480	106.912	ng	0.01
7) Phenol-d6	6.381	99	1686599	103.144	ng	0.00
23) Nitrobenzene-d5	7.298	82	1017310	67.852	ng	0.00
42) 2,4,6-Tribromophenol	10.563	330	424591	103.055	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1763131	72.002	ng	0.00
79) Terphenyl-d14	12.839	244	1922732	67.886	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.487	88	271963	44.506	ng	97
3) Pyridine	3.181	79	663062	40.854	ng	98
4) n-Nitrosodimethylamine	3.140	42	347209	41.302	ng	96
6) Aniline	6.392	93	765463	36.346	ng	# 21
8) 2-Chlorophenol	6.522	128	605375	45.258	ng	96
9) Benzaldehyde	6.275	77	355713	52.335	ng	100
10) Phenol	6.392	94	750291	41.592	ng	75
11) bis(2-Chloroethyl)ether	6.469	93	581719	42.973	ng	100
12) 1,3-Dichlorobenzene	6.675	146	647384	45.522	ng	97
13) 1,4-Dichlorobenzene	6.751	146	661021	46.379	ng	97
14) 1,2-Dichlorobenzene	6.904	146	617689	47.008	ng	97
15) Benzyl Alcohol	6.881	79	488734	43.269	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.016	45	981099	41.728	ng	97
17) 2-Methylphenol	6.998	107	506618	41.363	ng	99
18) Hexachloroethane	7.245	117	231567	46.732	ng	97
19) n-Nitroso-di-n-propyla...	7.151	70	403535	39.640	ng	97
20) 3+4-Methylphenols	7.151	107	610348	42.314	ng	# 87
22) Acetophenone	7.145	105	822570	43.878	ng	98
24) Nitrobenzene	7.316	77	642680	42.301	ng	96
25) Isophorone	7.557	82	1174908	41.273	ng	98
26) 2-Nitrophenol	7.633	139	354625	48.393	ng	96
27) 2,4-Dimethylphenol	7.681	122	559283	44.510	ng	99
28) bis(2-Chloroethoxy)met...	7.769	93	719227	42.708	ng	98
29) 2,4-Dichlorophenol	7.881	162	512667	44.818	ng	98
30) 1,2,4-Trichlorobenzene	7.963	180	535107	45.154	ng	99
31) Naphthalene	8.039	128	1755707	43.392	ng	99
32) Benzoic acid	7.810	122	400032m	51.540	ng	
33) 4-Chloroaniline	8.086	127	474487	29.024	ng	99
34) Hexachlorobutadiene	8.157	225	290109	44.169	ng	99
35) Caprolactam	8.463	113	185402m	48.247	ng	
36) 4-Chloro-3-methylphenol	8.575	107	550905	44.661	ng	99
37) 2-Methylnaphthalene	8.733	142	1145163	41.398	ng	98
38) 1-Methylnaphthalene	8.828	142	1077535	41.639	ng	100
40) 1,2,4,5-Tetrachloroben...	8.898	216	472444	42.891	ng	99
41) Hexachlorocyclopentadiene	8.886	237	610519	95.038	ng	99
43) 2,4,6-Trichlorophenol	9.010	196	337132	44.257	ng	100

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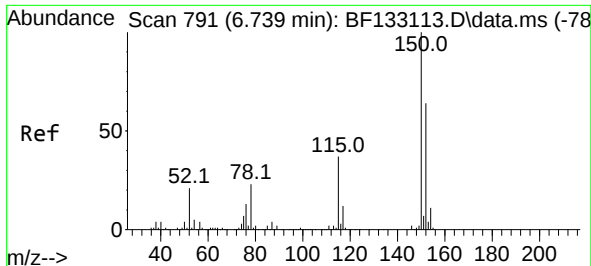
Manual Integrations
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.051	196	366332	41.582	ng	99
46) 1,1'-Biphenyl	9.198	154	1404716	43.242	ng	99
47) 2-Chloronaphthalene	9.222	162	1066833	44.868	ng	99
48) 2-Nitroaniline	9.316	65	346932	44.149	ng	97
49) Acenaphthylene	9.633	152	1665060	43.827	ng	99
50) Dimethylphthalate	9.498	163	1235541	43.253	ng	99
51) 2,6-Dinitrotoluene	9.557	165	292369	45.474	ng	95
52) Acenaphthene	9.804	154	1216480m	47.808	ng	
53) 3-Nitroaniline	9.727	138	266708	34.888	ng	92
54) 2,4-Dinitrophenol	9.833	184	331616	102.613	ng	97
55) Dibenzofuran	9.980	168	1472540	42.425	ng	100
56) 4-Nitrophenol	9.898	139	515286	87.028	ng	95
57) 2,4-Dinitrotoluene	9.963	165	382245	46.620	ng	94
58) Fluorene	10.322	166	1090049	42.865	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.098	232	302897	44.348	ng	99
60) Diethylphthalate	10.198	149	1160682	43.017	ng	100
61) 4-Chlorophenyl-phenyle...	10.310	204	523150	42.215	ng	92
62) 4-Nitroaniline	10.345	138	337729	48.067	ng	94
63) Azobenzene	10.474	77	1179427	41.263	ng	97
65) 4,6-Dinitro-2-methylph...	10.374	198	225494	50.637	ng	98
66) n-Nitrosodiphenylamine	10.433	169	997348	41.849	ng	99
67) 4-Bromophenyl-phenylether	10.804	248	333206	41.817	ng	96
68) Hexachlorobenzene	10.869	284	363946	44.574	ng	98
69) Atrazine	10.963	200	340605	49.600	ng	99
70) Pentachlorophenol	11.063	266	436524	75.068	ng	98
71) Phenanthrene	11.280	178	1654262	41.893	ng	99
72) Anthracene	11.333	178	1718225	42.518	ng	100
73) Carbazole	11.486	167	1594164	44.302	ng	100
74) Di-n-butylphthalate	11.821	149	1801414	44.238	ng	99
75) Fluoranthene	12.463	202	1705813	43.043	ng	100
77) Benzidine	12.586	184	1093054	132.325	ng	# 94
78) Pyrene	12.692	202	1765682	42.167	ng	99
80) Butylbenzylphthalate	13.315	149	754005	50.856	ng	96
81) Benzo(a)anthracene	13.880	228	1383532	41.188	ng	100
82) 3,3'-Dichlorobenzidine	13.845	252	362595	39.075	ng	99
83) Chrysene	13.921	228	1375242	40.951	ng	99
84) Bis(2-ethylhexyl)phtha...	13.880	149	843501	45.325	ng	99
85) Di-n-octyl phthalate	14.492	149	1475734	48.633	ng	97
87) Indeno(1,2,3-cd)pyrene	16.692	276	1196159	48.687	ng	100
88) Benzo(b)fluoranthene	14.910	252	1271581	46.276	ng	99
89) Benzo(k)fluoranthene	14.939	252	1145202	42.043	ng	99
90) Benzo(a)pyrene	15.251	252	1051080	42.025	ng	99
91) Dibenzo(a,h)anthracene	16.709	278	1000339	48.818	ng	100
92) Benzo(g,h,i)perylene	17.109	276	988299	48.853	ng	99

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



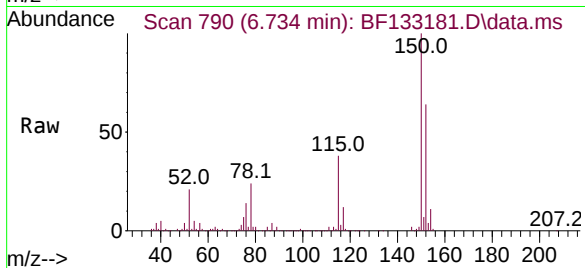
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

PB152505BS

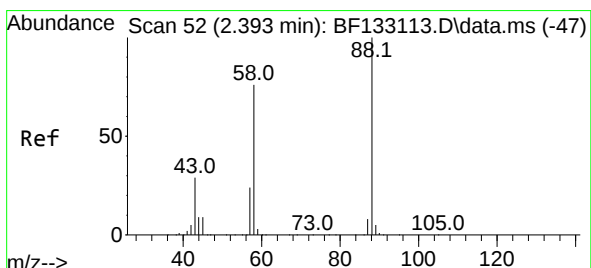
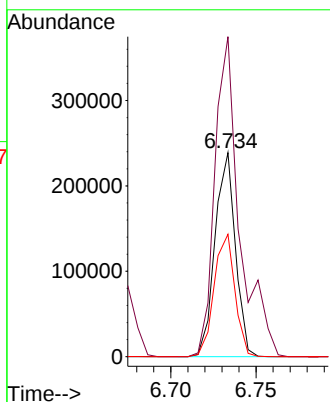
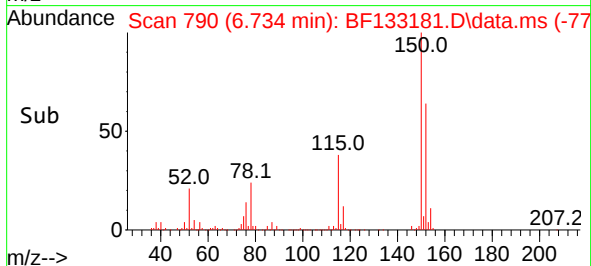


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Ion Ratio Lower Upper
152 100
150 156.8 124.8 187.2
115 60.0 49.9 74.9

Manual Integrations

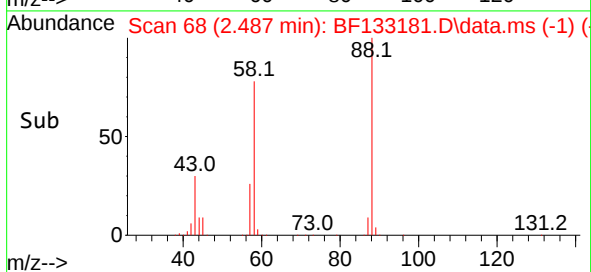
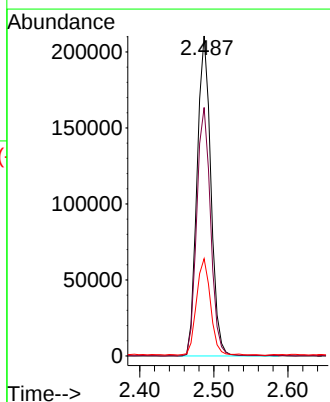
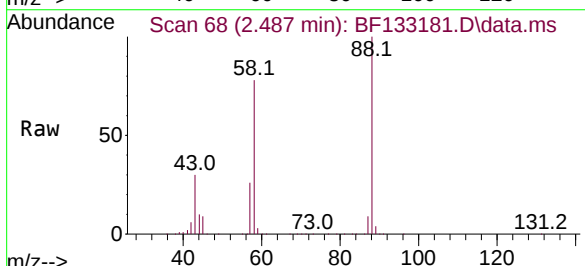
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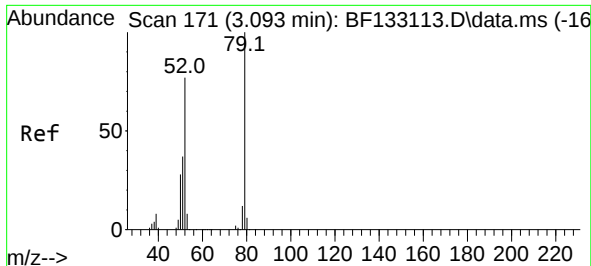
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#2
1,4-Dioxane
Concen: 44.506 ng
RT: 2.487 min Scan# 68
Delta R.T. 0.106 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

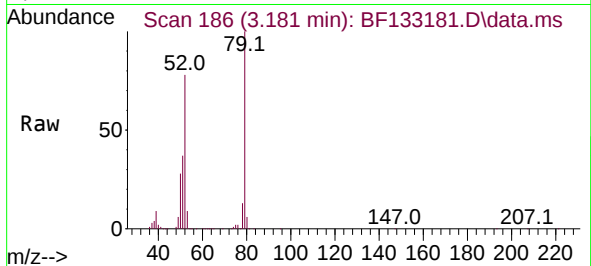
Tgt Ion: 88 Resp: 271963
Ion Ratio Lower Upper
88 100
58 78.5 64.7 97.1
43 30.4 26.2 39.2





#3
Pyridine
Concen: 40.854 ng
RT: 3.181 min Scan# 171
Delta R.T. 0.100 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

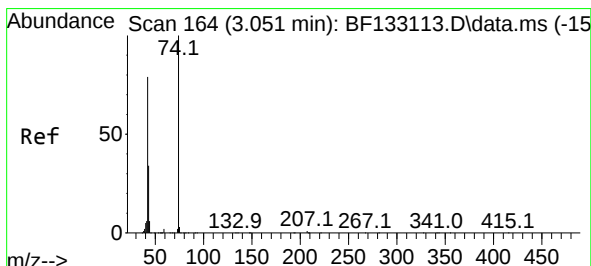
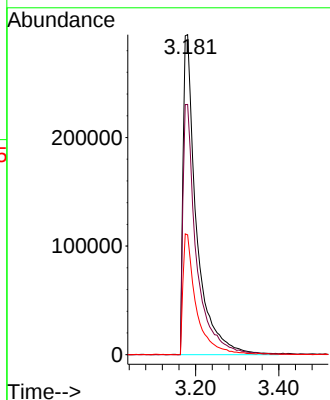
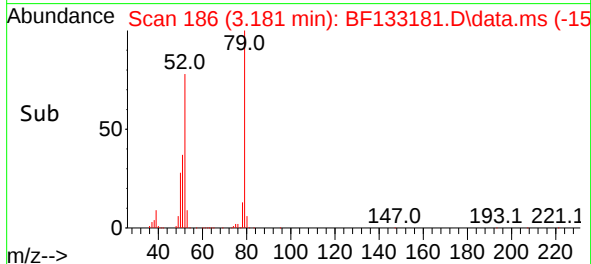
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BNA_F
ClientSampleId :
PB152505BS



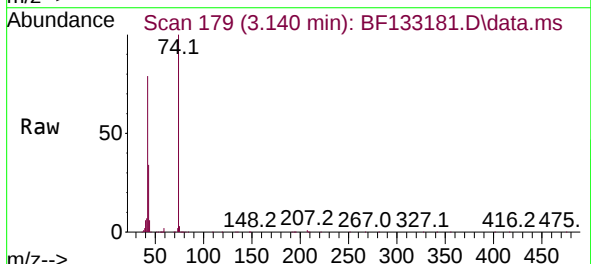
Tgt Ion: 79 Resp: 663062
Ion Ratio Lower Upper
79 100
52 78.2 64.6 96.8
51 37.5 30.0 45.0

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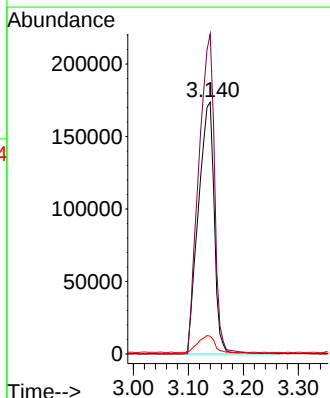
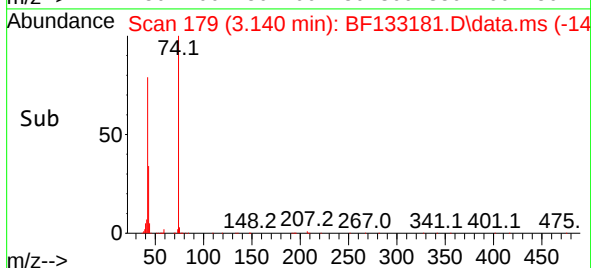
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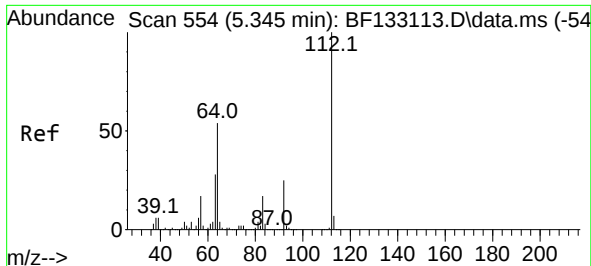


#4
n-Nitrosodimethylamine
Concen: 41.302 ng
RT: 3.140 min Scan# 179
Delta R.T. 0.100 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56



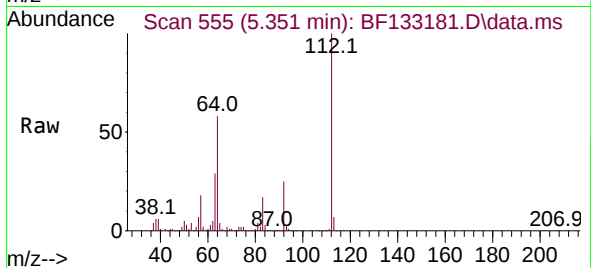
Tgt Ion: 42 Resp: 347209
Ion Ratio Lower Upper
42 100
74 127.2 98.0 147.0
44 7.0 5.8 8.8





#5
2-Fluorophenol
Concen: 106.912 ng
RT: 5.351 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

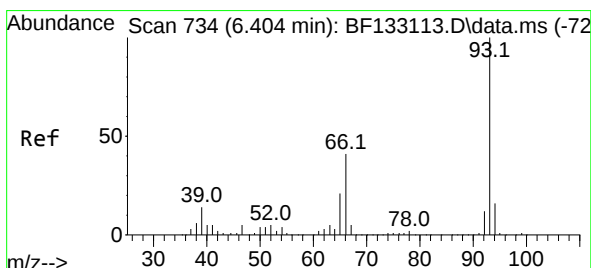
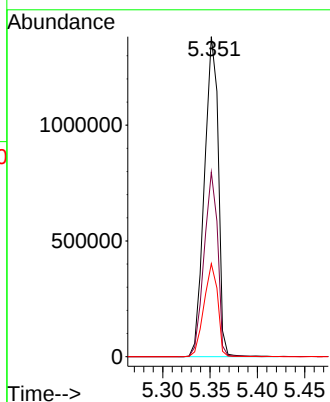
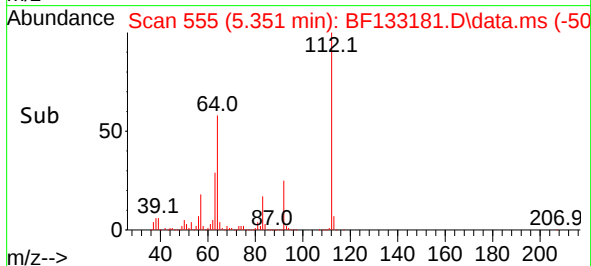
Instrument :
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Tgt Ion:112 Resp: 1408480
Ion Ratio Lower Upper
112 100
64 57.7 46.8 70.2
63 29.0 23.8 35.8

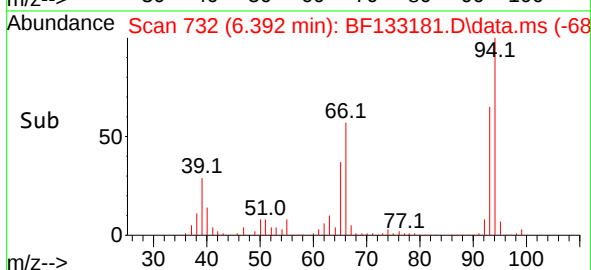
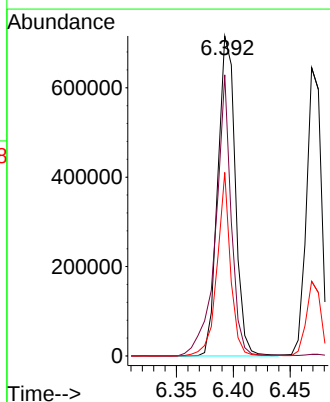
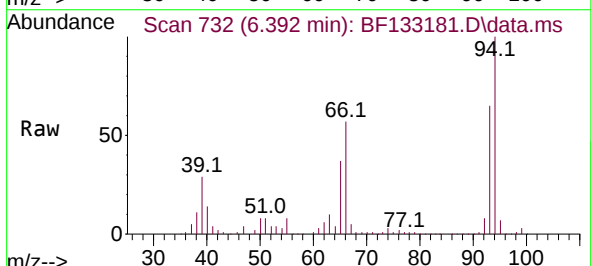
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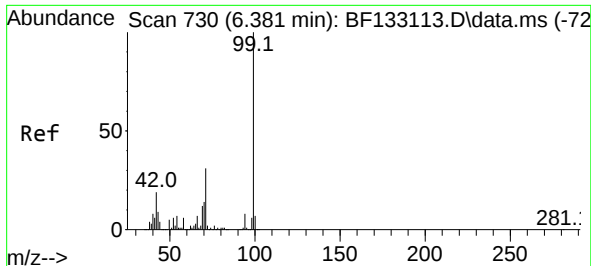
Reviewed By :Christian Giraldo 05/03/2023
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#6
Aniline
Concen: 36.346 ng
RT: 6.392 min Scan# 732
Delta R.T. -0.006 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

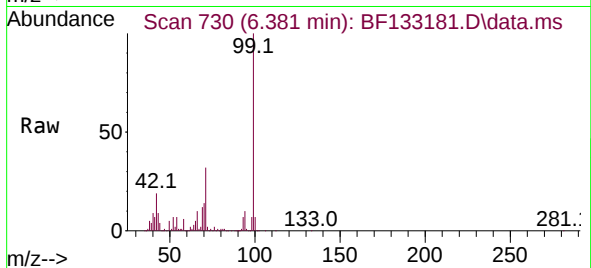
Tgt Ion: 93 Resp: 765463
Ion Ratio Lower Upper
93 100
66 87.9 31.5 47.3#
65 57.3 16.4 24.6#





#7
Phenol-d6
Concen: 103.144 ng
RT: 6.381 min Scan# 713
Delta R.T. 0.006 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

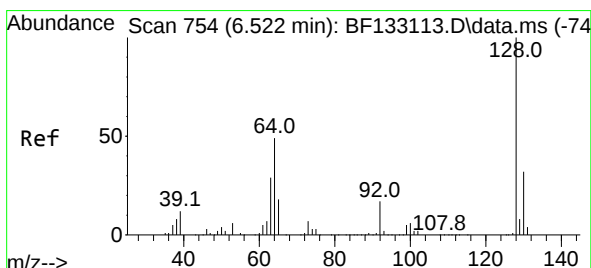
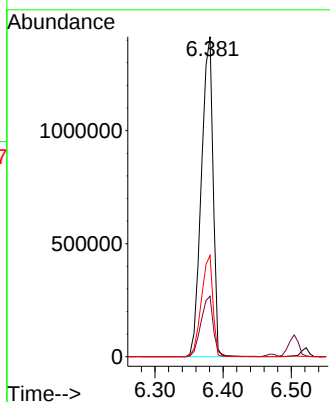
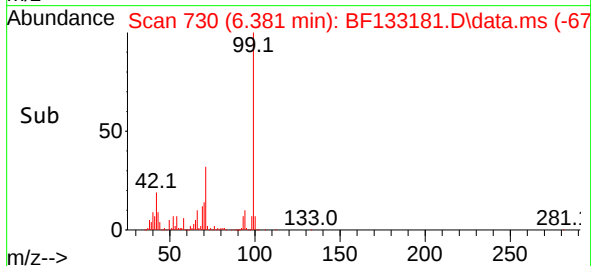
Instrument :
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Tgt Ion: 99 Resp: 1686599
Ion Ratio Lower Upper
99 100
42 18.9 16.3 24.5
71 31.7 25.6 38.4

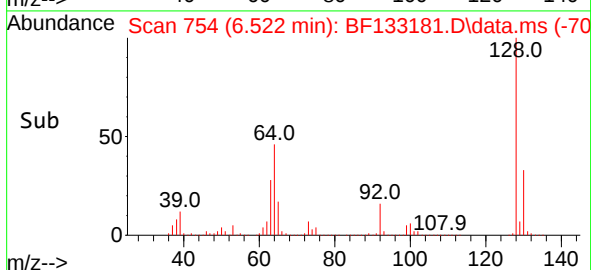
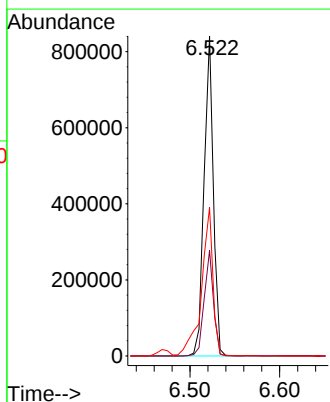
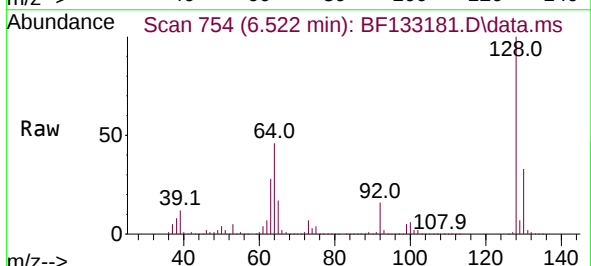
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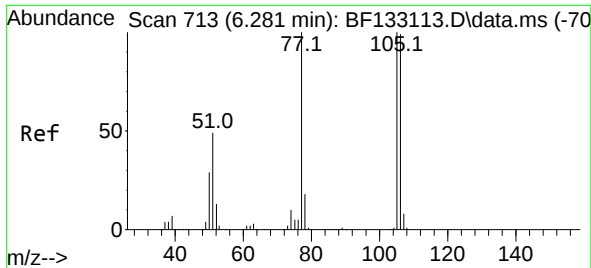
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#8
2-Chlorophenol
Concen: 45.258 ng
RT: 6.522 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Tgt Ion:128 Resp: 605375
Ion Ratio Lower Upper
128 100
130 33.0 12.2 52.2
64 46.4 30.3 70.3





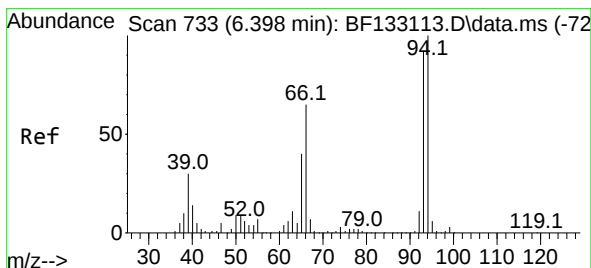
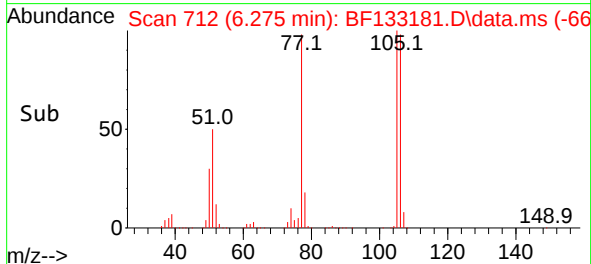
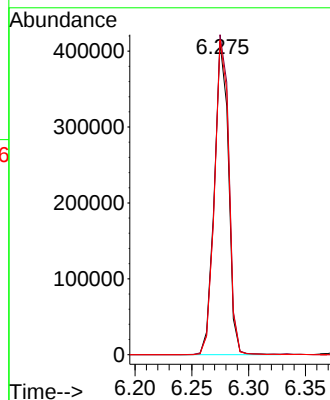
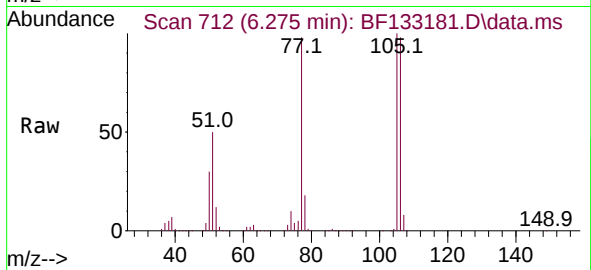
#9
Benzaldehyde
Concen: 52.335 ng
RT: 6.275 min Scan# 713
Delta R.T. -0.006 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Instrument :
BNA_F
ClientSampleId :
PB152505BS

Tgt Ion: 77 Resp: 35571
Ion Ratio Lower Upper
77 100
105 102.4 82.3 122.3
106 100.8 80.8 120.8

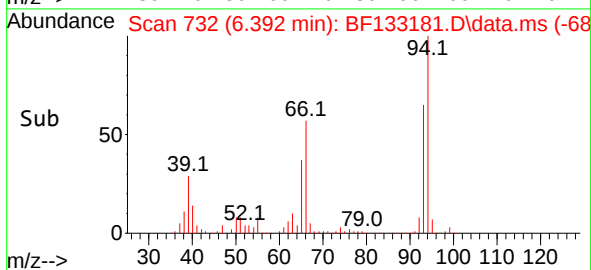
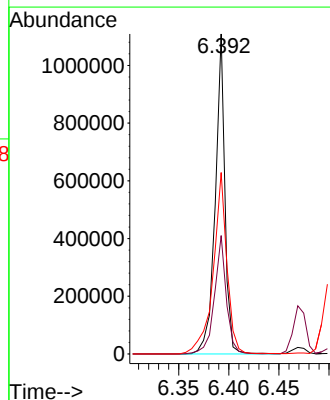
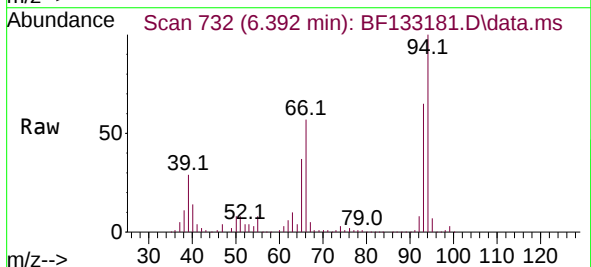
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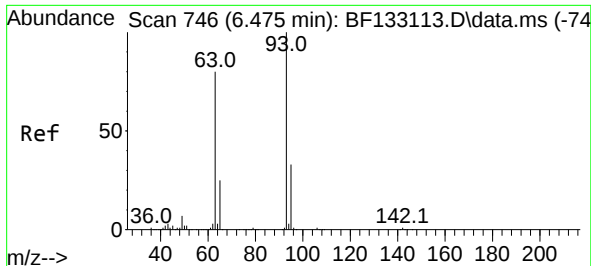
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#10
Phenol
Concen: 41.592 ng
RT: 6.392 min Scan# 732
Delta R.T. 0.006 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Tgt Ion: 94 Resp: 750291
Ion Ratio Lower Upper
94 100
65 37.0 8.6 48.6
66 56.7 17.3 57.3





#11

bis(2-Chloroethyl)ether

Concen: 42.973 ng

RT: 6.469 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF133181.D

Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

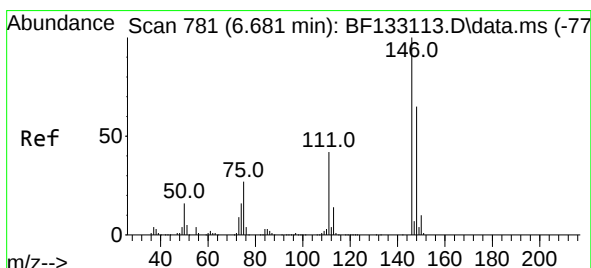
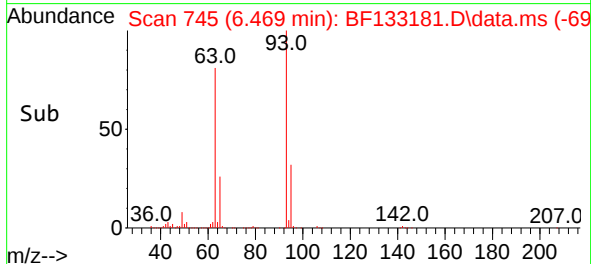
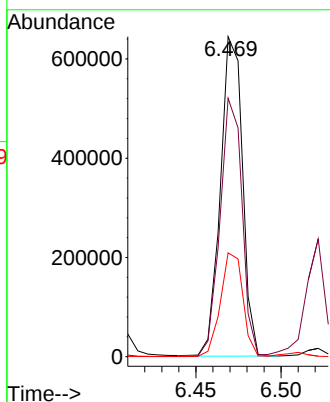
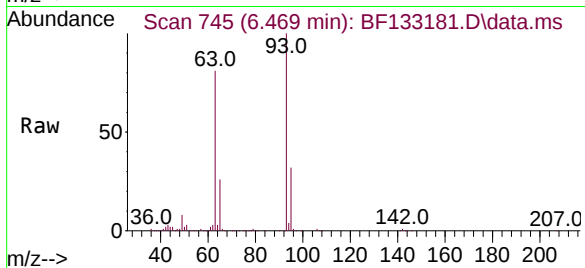
PB152505BS

Tgt Ion:	93	Resp:	581719
Ion	Ratio	Lower	Upper
93	100		
63	80.7	60.6	100.6
95	32.5	12.9	52.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#12

1,3-Dichlorobenzene

Concen: 45.522 ng

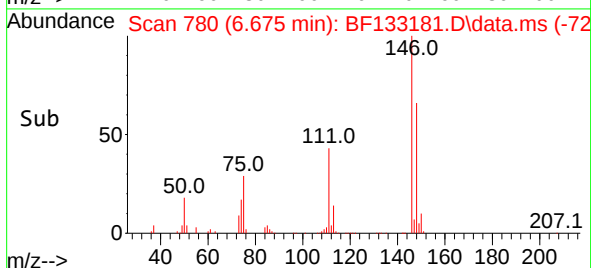
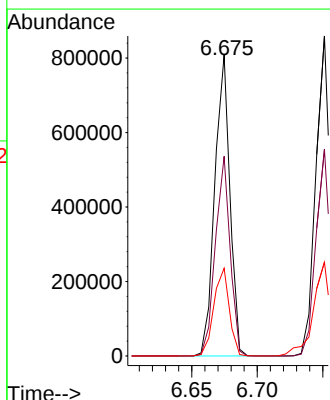
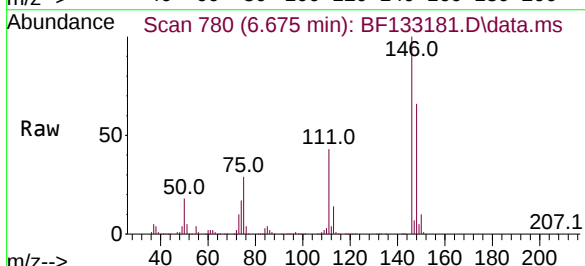
RT: 6.675 min Scan# 780

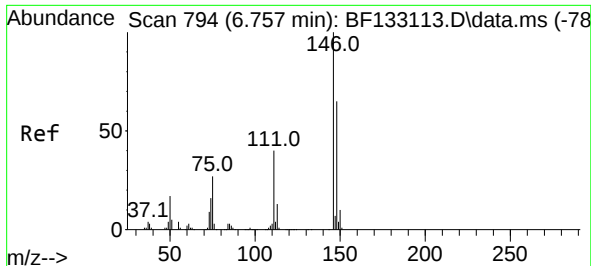
Delta R.T. 0.000 min

Lab File: BF133181.D

Acq: 02 May 2023 10:56

Tgt Ion:	146	Resp:	647384
Ion	Ratio	Lower	Upper
146	100		
148	66.3	51.0	76.4
75	29.1	24.8	37.2





#13

1,4-Dichlorobenzene

Concen: 46.379 ng

RT: 6.751 min Scan# 794

Delta R.T. 0.000 min

Lab File: BF133181.D

Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

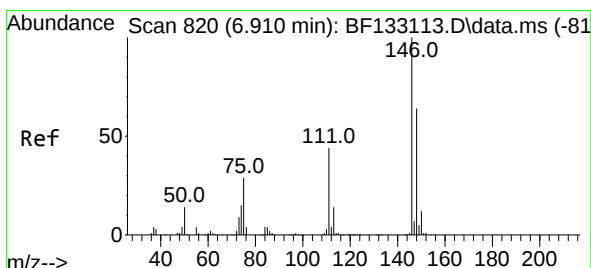
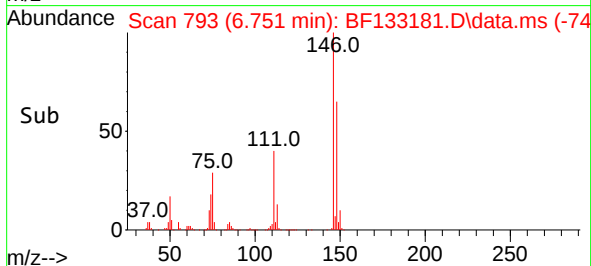
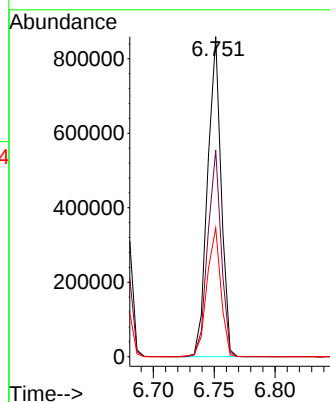
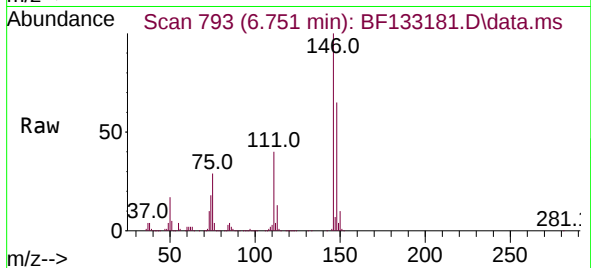
PB152505BS

Tgt Ion:146 Resp: 66102
 Ion Ratio Lower Upper
 146 100
 148 64.6 50.3 75.5
 111 40.2 33.8 50.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023
 Supervised By :Jagrut Upadhyay 05/03/2023



#14

1,2-Dichlorobenzene

Concen: 47.008 ng

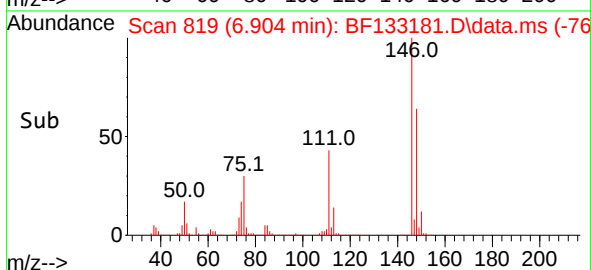
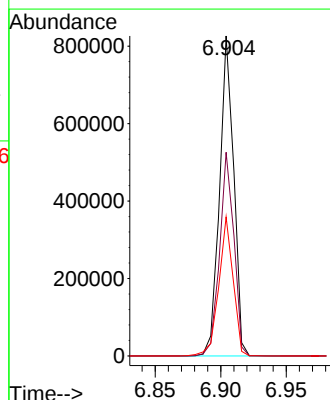
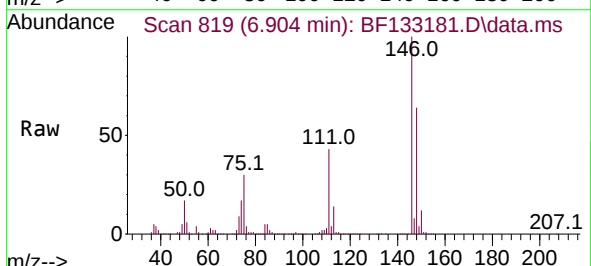
RT: 6.904 min Scan# 819

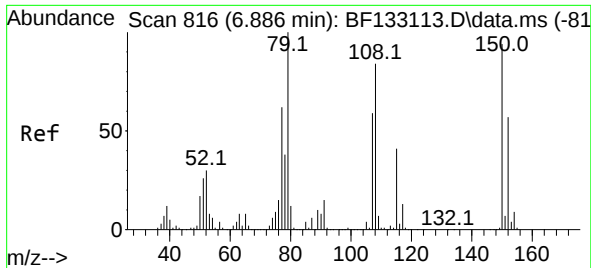
Delta R.T. 0.000 min

Lab File: BF133181.D

Acq: 02 May 2023 10:56

Tgt Ion:146 Resp: 617689
 Ion Ratio Lower Upper
 146 100
 148 63.7 52.2 78.2
 111 43.5 32.8 49.2





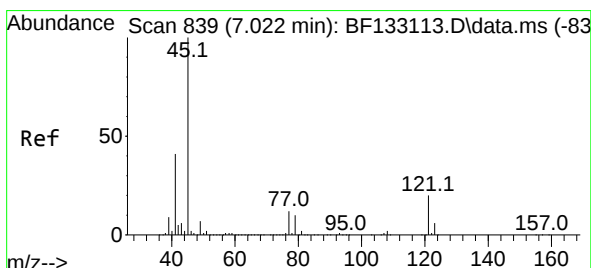
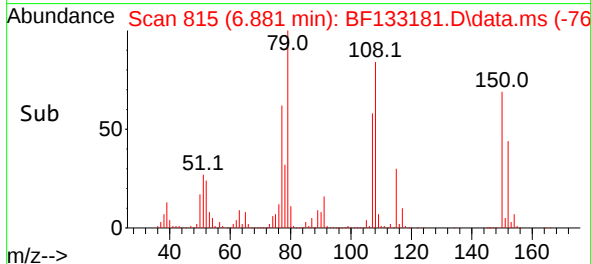
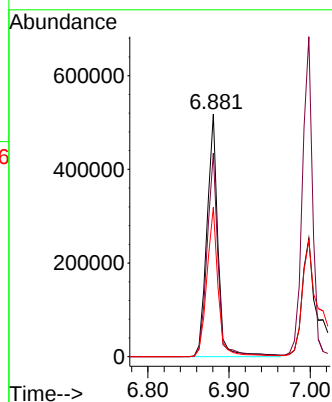
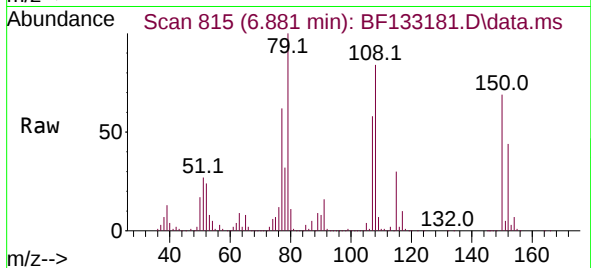
#15
Benzyl Alcohol
Concen: 43.269 ng
RT: 6.881 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Instrument :
BNA_F
ClientSampleId :
PB152505BS

Tgt Ion: 79 Resp: 488734
Ion Ratio Lower Upper
79 100
108 83.9 66.6 99.8
77 61.7 49.2 73.8

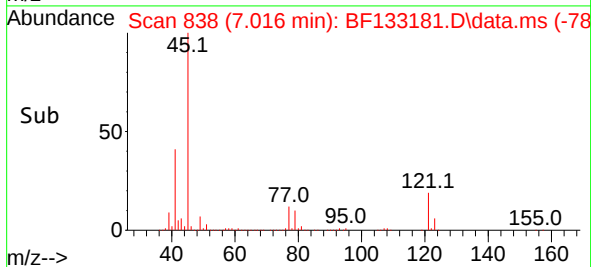
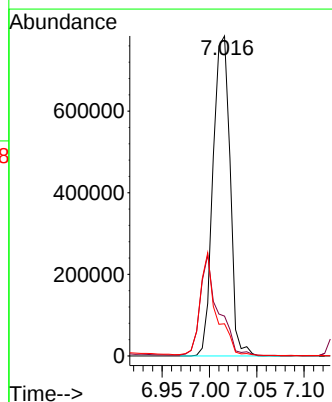
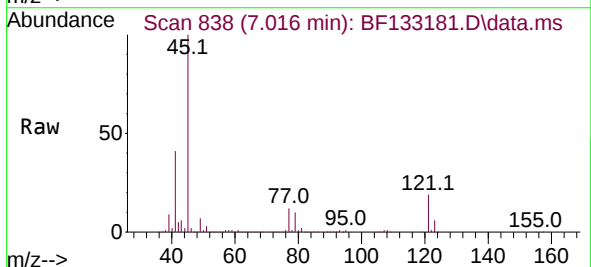
Manual Integrations
APPROVED

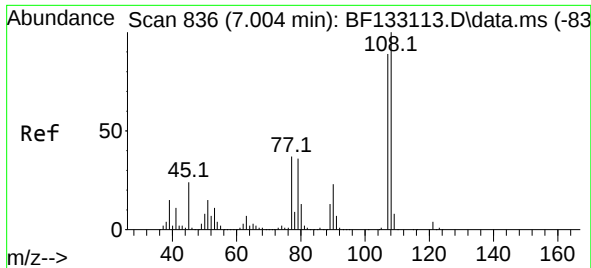
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.728 ng
RT: 7.016 min Scan# 838
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

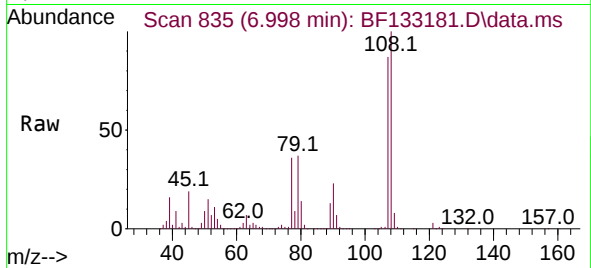
Tgt Ion: 45 Resp: 981099
Ion Ratio Lower Upper
45 100
77 12.5 0.0 31.5
79 10.0 0.0 28.7





#17
2-Methylphenol
Concen: 41.363 ng
RT: 6.998 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

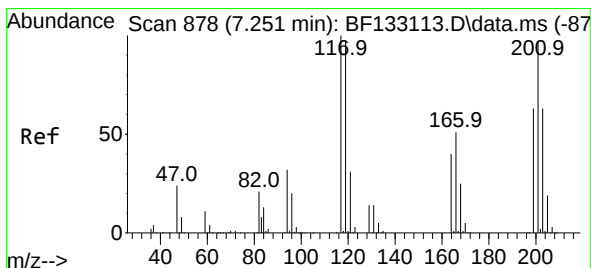
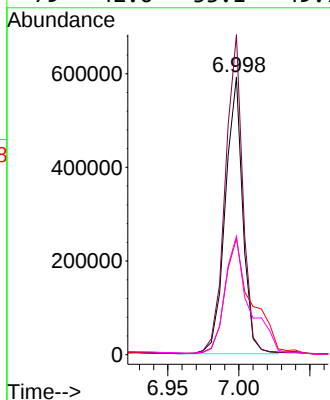
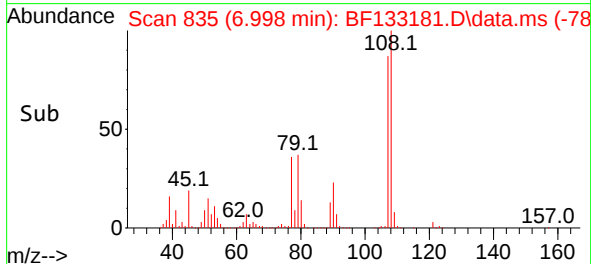
Instrument :
BNA_F
ClientSampleId :
PB152505BS



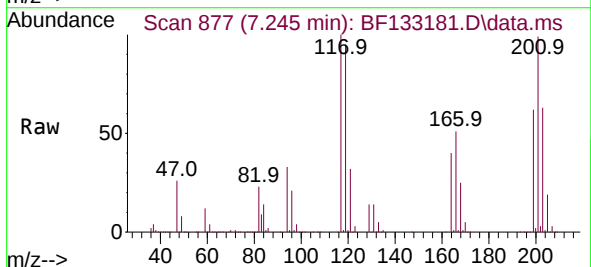
Tgt Ion:107 Resp: 506618
Ion Ratio Lower Upper
107 100
108 115.2 92.4 138.6
77 41.8 33.8 50.8
79 42.6 33.1 49.7

Manual Integrations
APPROVED

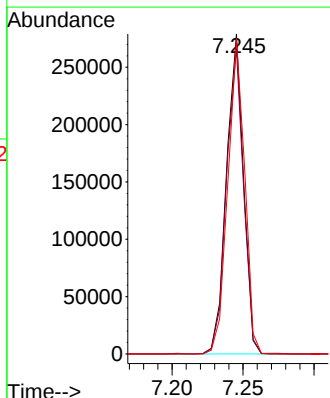
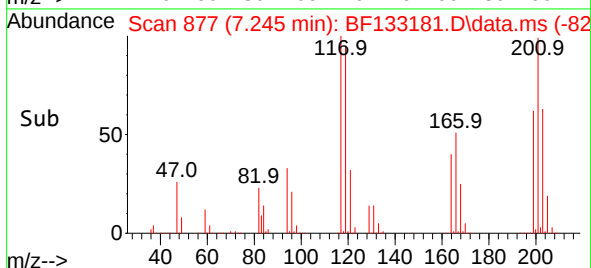
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

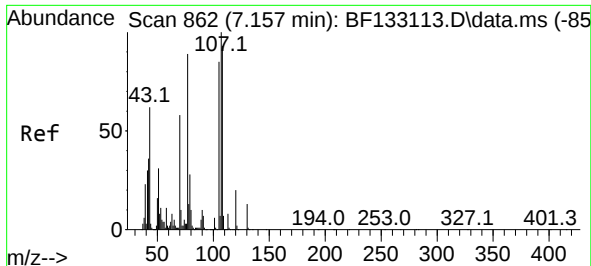


#18
Hexachloroethane
Concen: 46.732 ng
RT: 7.245 min Scan# 877
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56



Tgt Ion:117 Resp: 231567
Ion Ratio Lower Upper
117 100
119 95.4 78.2 117.4
201 98.6 81.7 122.5





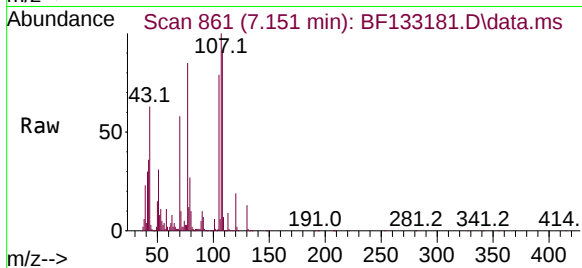
#19
n-Nitroso-di-n-propylamine
Concen: 39.640 ng
RT: 7.151 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

PB152505BS

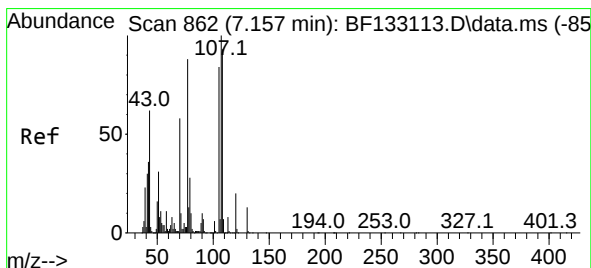
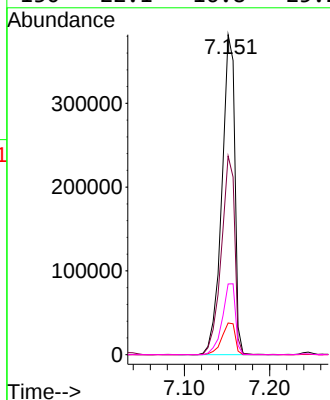
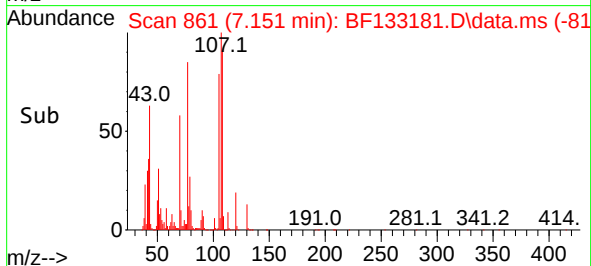


Tgt Ion: 70 Resp: 40353
Ion Ratio Lower Upper
70 100
42 62.1 51.8 77.6
101 9.9 8.0 12.0
130 22.1 16.8 25.2

Manual Integrations

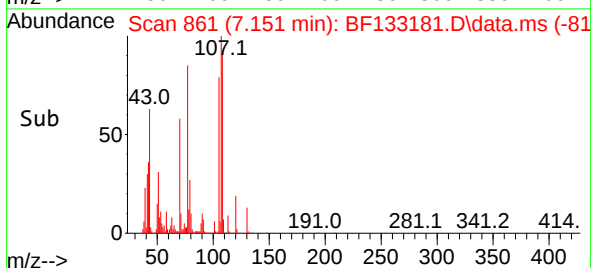
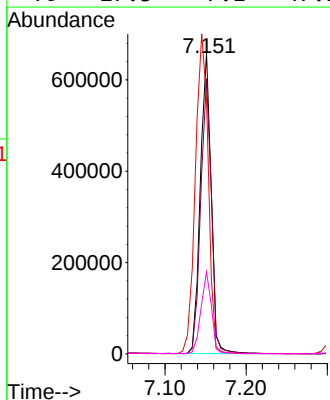
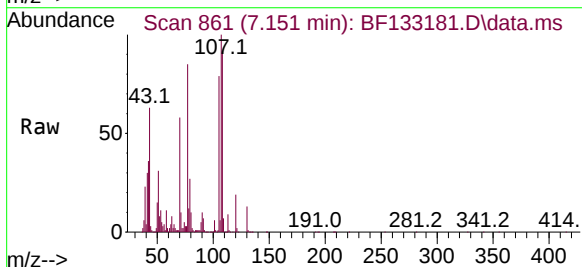
APPROVED

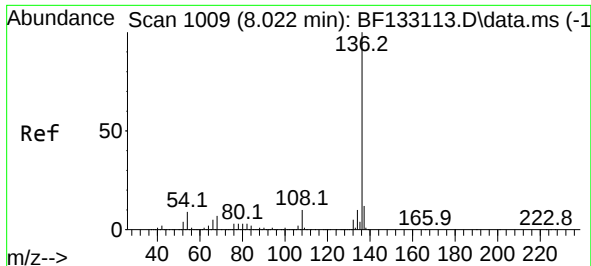
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#20
3+4-Methylphenols
Concen: 42.314 ng
RT: 7.151 min Scan# 861
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Tgt Ion:107 Resp: 610348
Ion Ratio Lower Upper
107 100
108 91.4 70.5 110.5
77 84.5 91.7 131.7#
79 27.3 7.1 47.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

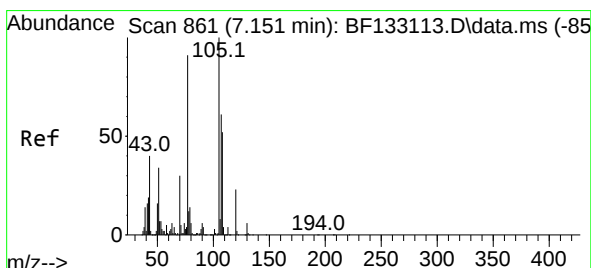
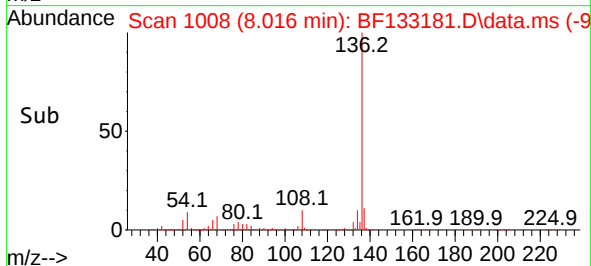
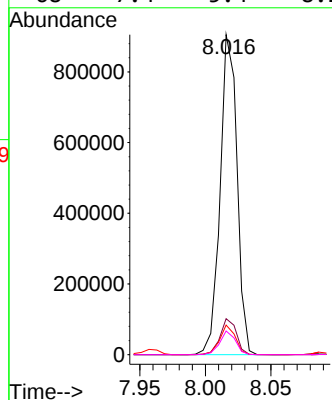
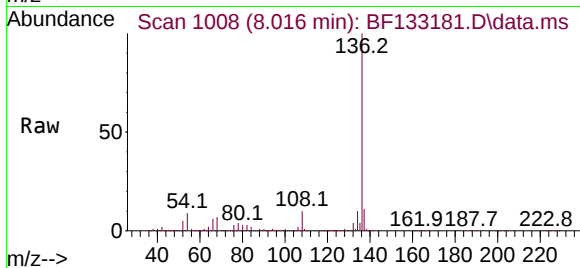
PB152505BS

Tgt Ion:136 Resp: 809279
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 9.3 7.0 10.4
68 7.4 5.4 8.2

Manual Integrations

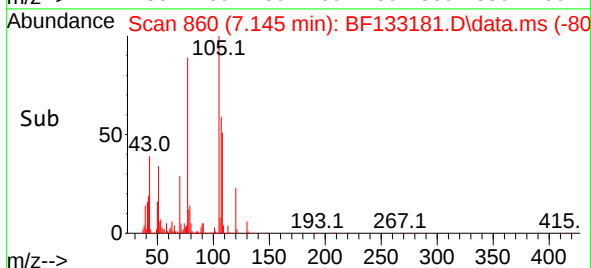
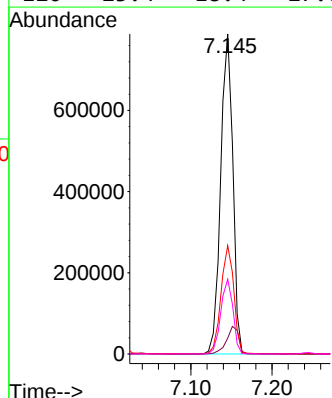
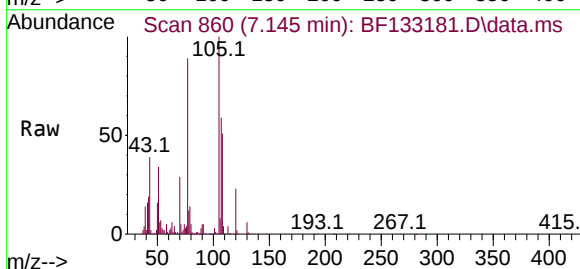
APPROVED

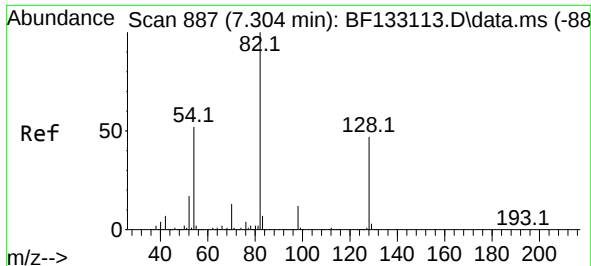
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#22
Acetophenone
Concen: 43.878 ng
RT: 7.145 min Scan# 860
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Tgt Ion:105 Resp: 822570
Ion Ratio Lower Upper
105 100
71 4.9 4.6 7.0
51 33.8 28.2 42.2
120 23.4 18.4 27.6





#23

Nitrobenzene-d5

Concen: 67.852 ng

RT: 7.298 min Scan# 886

Delta R.T. 0.000 min

Lab File: BF133181.D

Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

PB152505BS

Tgt Ion: 82 Resp: 1017310

Ion Ratio Lower Upper

82 100

128 47.2 37.7 56.5

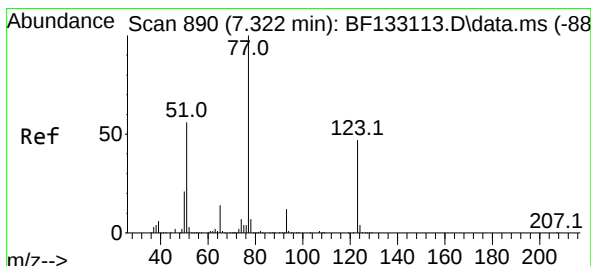
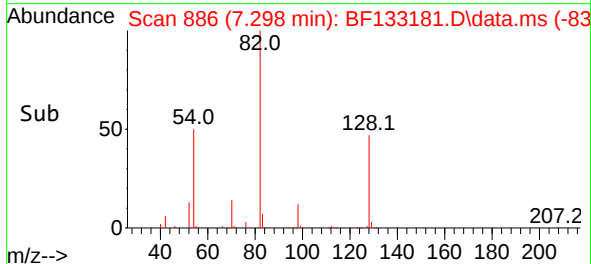
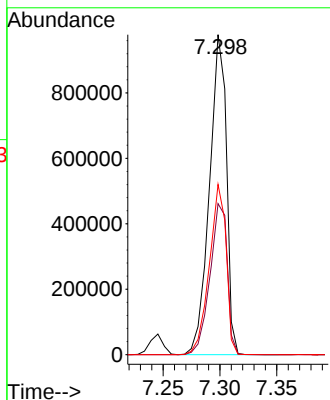
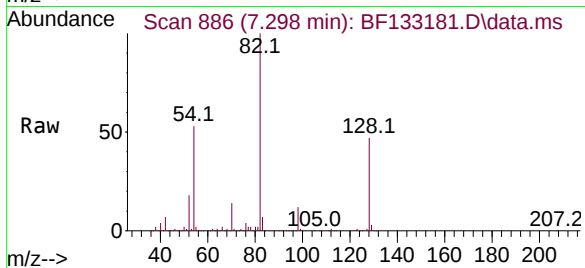
54 53.2 43.0 64.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023

Supervised By :Jagrut Upadhyay 05/03/2023



#24

Nitrobenzene

Concen: 42.301 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.006 min

Lab File: BF133181.D

Acq: 02 May 2023 10:56

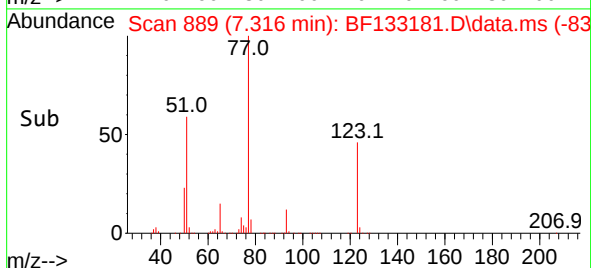
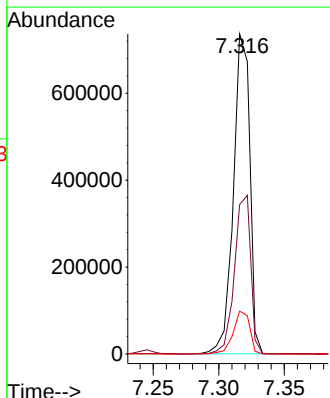
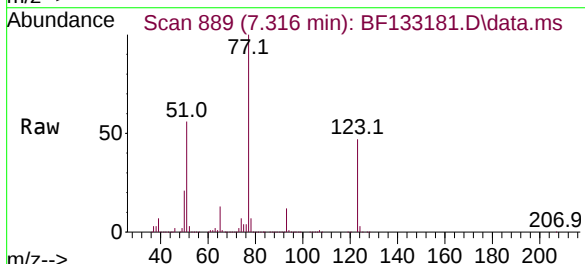
Tgt Ion: 77 Resp: 642680

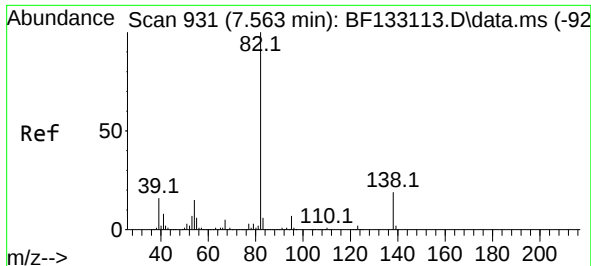
Ion Ratio Lower Upper

77 100

123 46.7 39.9 59.9

65 13.4 10.7 16.1





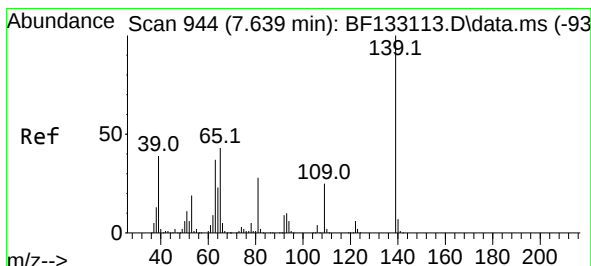
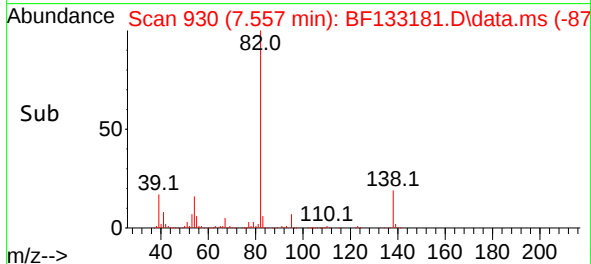
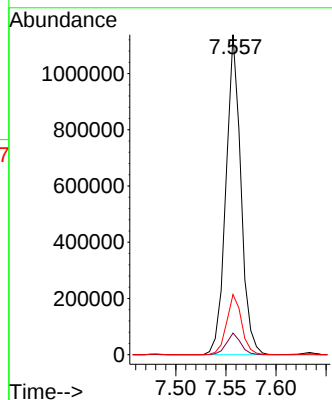
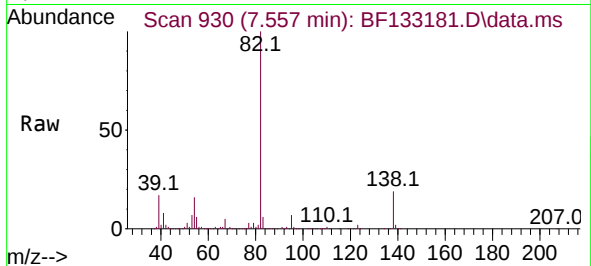
#25
Isophorone
Concen: 41.273 ng
RT: 7.557 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Instrument :
BNA_F
ClientSampleId :
PB152505BS

Tgt Ion: 82 Resp: 1174908
Ion Ratio Lower Upper
82 100
95 6.7 5.4 8.0
138 18.8 16.0 24.0

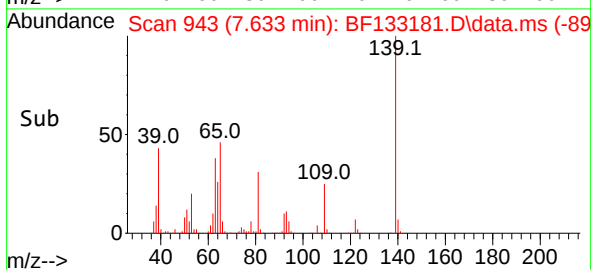
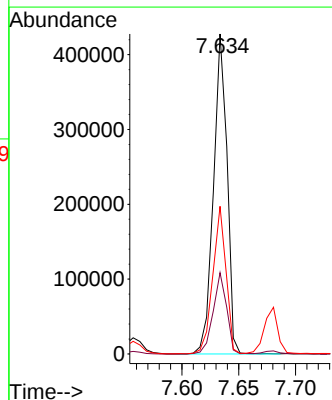
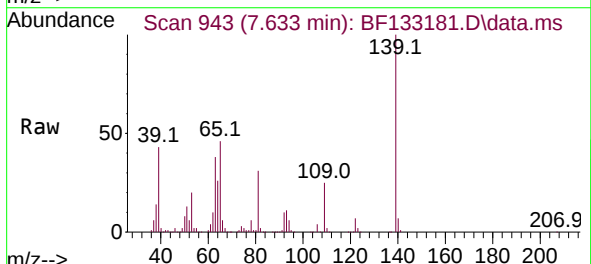
Manual Integrations
APPROVED

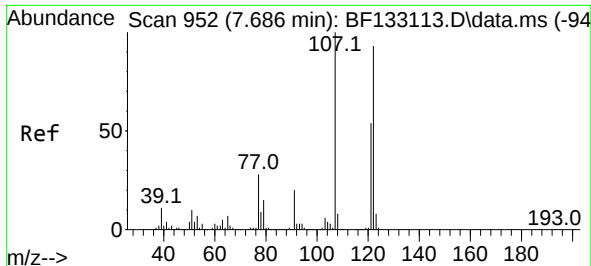
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#26
2-Nitrophenol
Concen: 48.393 ng
RT: 7.633 min Scan# 943
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Tgt Ion:139 Resp: 354625
Ion Ratio Lower Upper
139 100
109 25.4 21.6 32.4
65 46.2 39.8 59.6





#27

2,4-Dimethylphenol

Concen: 44.510 ng

RT: 7.681 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF133181.D

Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

PB152505BS

Tgt Ion:122 Resp: 55928

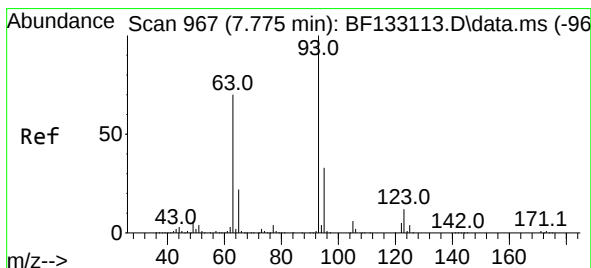
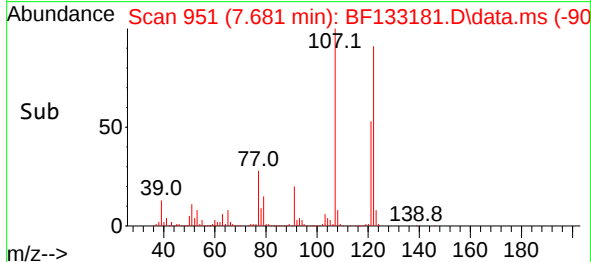
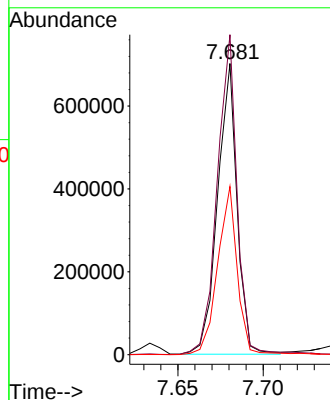
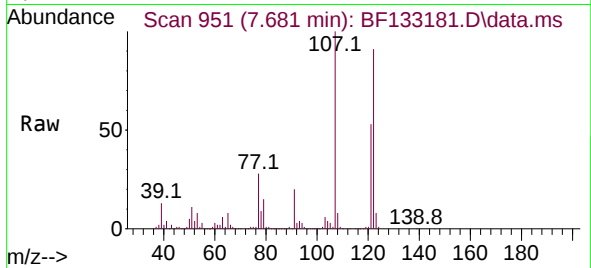
Ion	Ratio	Lower	Upper
122	100		
107	109.9	89.7	134.5
121	57.8	46.0	69.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023

Supervised By :Jagrut Upadhyay 05/03/2023



#28

bis(2-Chloroethoxy)methane

Concen: 42.708 ng

RT: 7.769 min Scan# 966

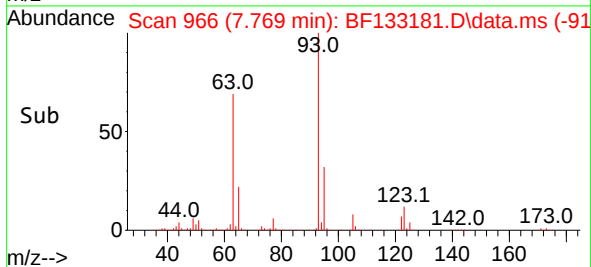
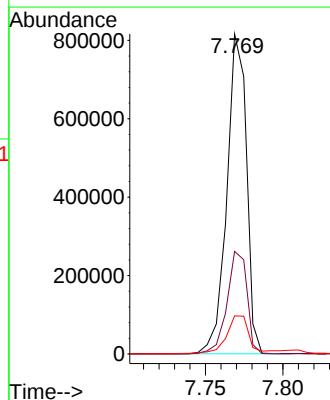
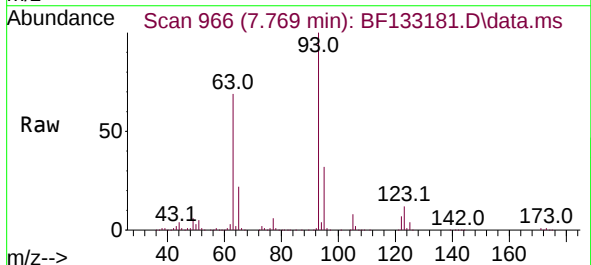
Delta R.T. 0.000 min

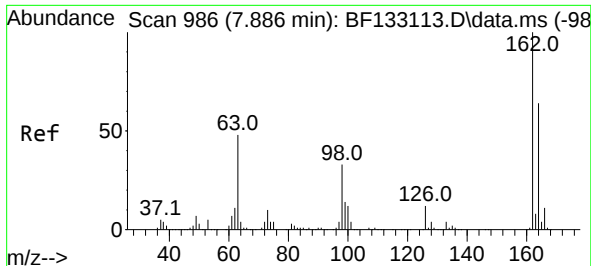
Lab File: BF133181.D

Acq: 02 May 2023 10:56

Tgt Ion: 93 Resp: 719227

Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.4	39.6
123	11.9	10.3	15.5





#29

2,4-Dichlorophenol

Concen: 44.818 ng

RT: 7.881 min Scan# 986

Delta R.T. 0.000 min

Lab File: BF133181.D

Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

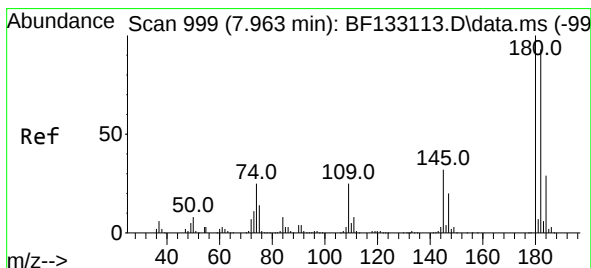
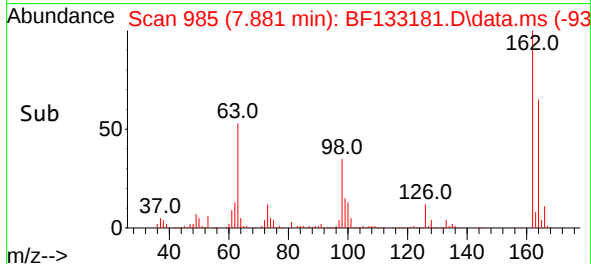
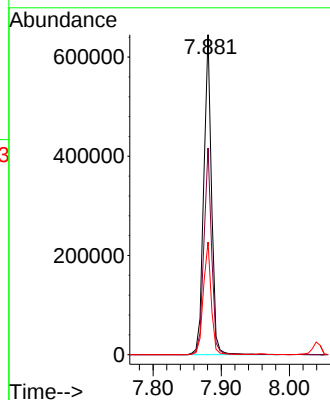
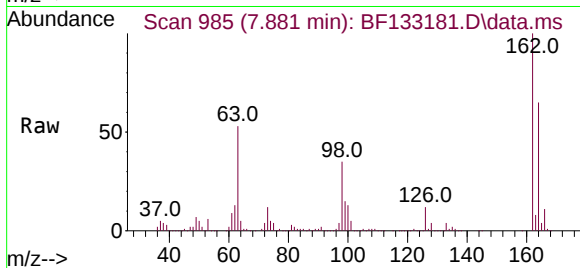
PB152505BS

Tgt Ion:162 Resp: 51266
 Ion Ratio Lower Upper
 162 100
 164 64.6 43.9 83.9
 98 35.2 17.0 57.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023
 Supervised By :Jagrut Upadhyay 05/03/2023



#30

1,2,4-Trichlorobenzene

Concen: 45.154 ng

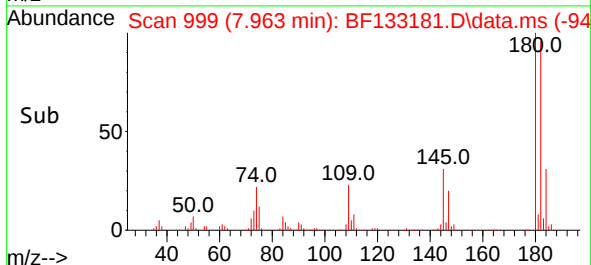
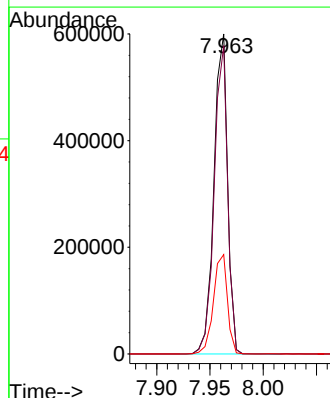
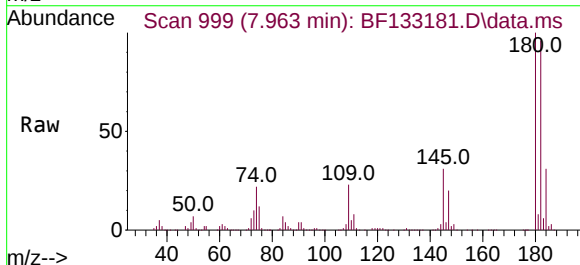
RT: 7.963 min Scan# 999

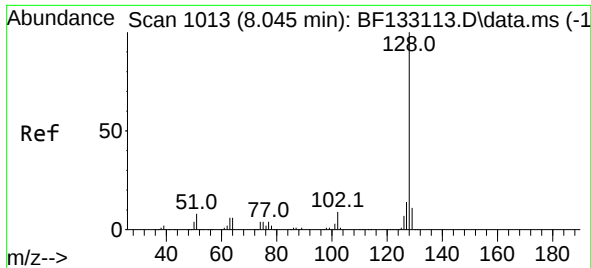
Delta R.T. 0.000 min

Lab File: BF133181.D

Acq: 02 May 2023 10:56

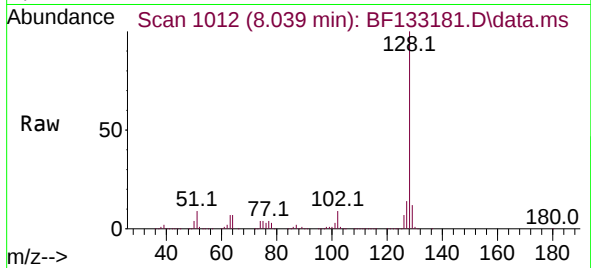
Tgt Ion:180 Resp: 535107
 Ion Ratio Lower Upper
 180 100
 182 96.3 75.9 113.9
 145 31.0 25.3 37.9





#31
Naphthalene
Concen: 43.392 ng
RT: 8.039 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

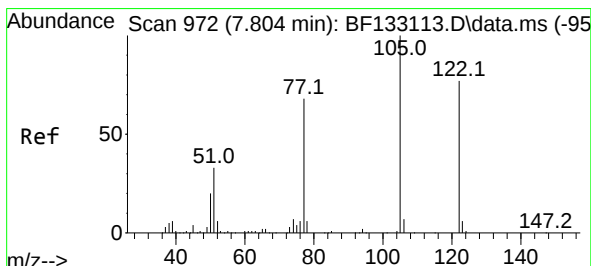
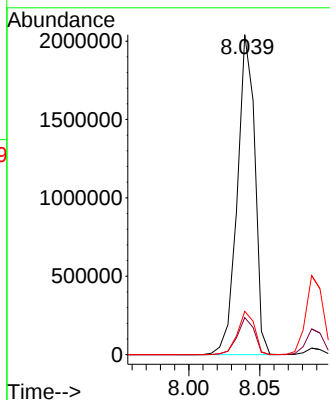
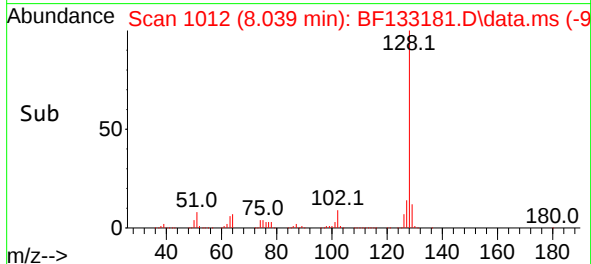
Instrument :
BNA_F
ClientSampleId :
PB152505BS



Tgt Ion:128 Resp: 175570
Ion Ratio Lower Upper
128 100
129 11.6 8.8 13.2
127 13.6 10.7 16.1

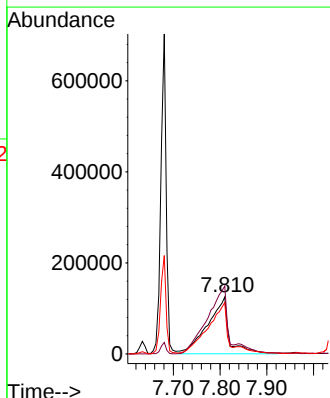
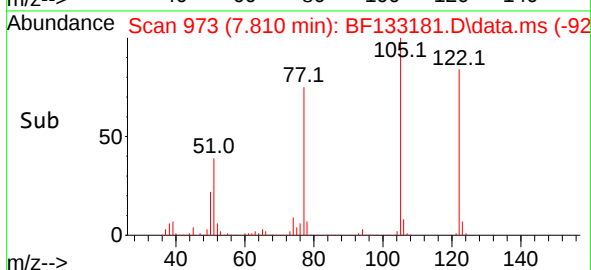
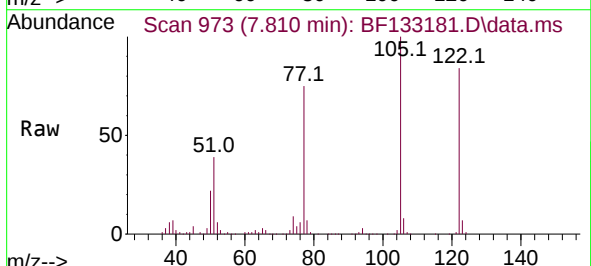
Manual Integrations
APPROVED

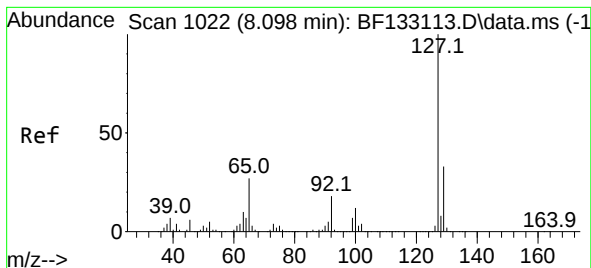
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#32
Benzoic acid
Concen: 51.540 ng m
RT: 7.810 min Scan# 973
Delta R.T. 0.012 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Tgt Ion:122 Resp: 400032
Ion Ratio Lower Upper
122 100
105 119.6 104.2 144.2
77 90.2 69.7 109.7





#33
4-Chloroaniline
Concen: 29.024 ng
RT: 8.086 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

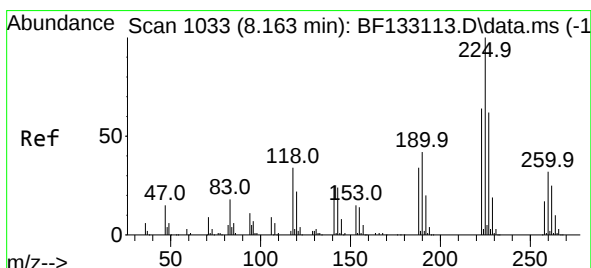
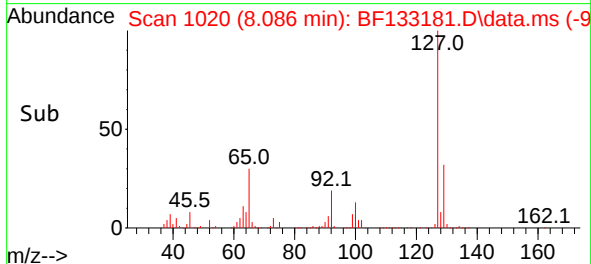
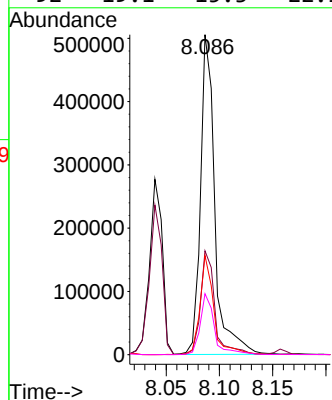
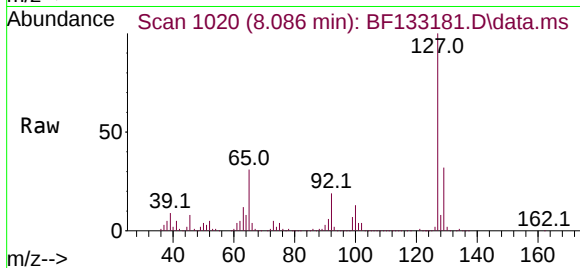
PB152505BS

Tgt Ion:127 Resp: 47448
Ion Ratio Lower Upper
127 100
129 32.5 25.8 38.8
65 31.0 23.6 35.4
92 19.1 15.3 22.9

Manual Integrations

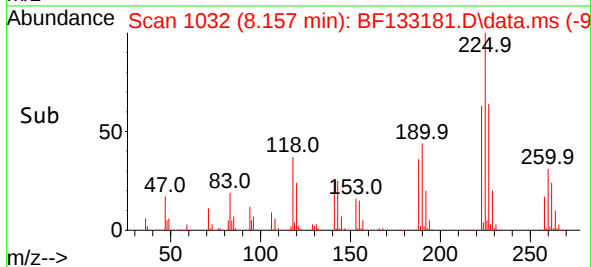
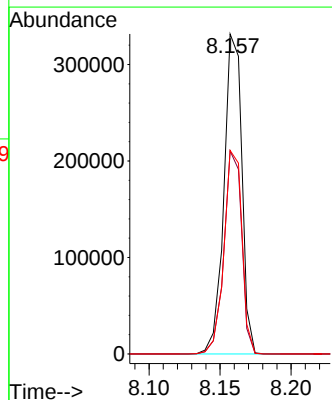
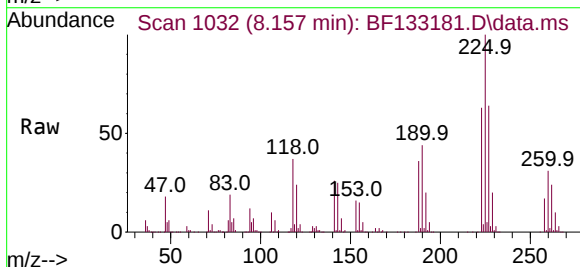
APPROVED

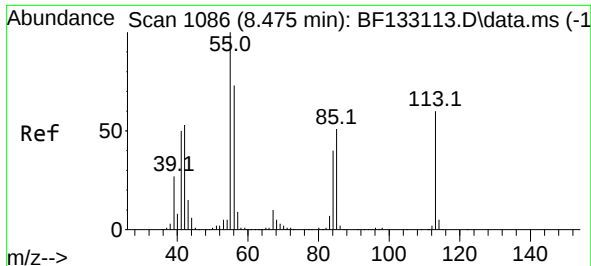
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#34
Hexachlorobutadiene
Concen: 44.169 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Tgt Ion:225 Resp: 290109
Ion Ratio Lower Upper
225 100
223 63.4 50.9 76.3
227 63.6 50.3 75.5





#35
 Caprolactam
 Concen: 48.247 ng m
 RT: 8.463 min Scan# 1103
 Delta R.T. -0.006 min
 Lab File: BF133181.D
 Acq: 02 May 2023 10:56

Instrument :

BNA_F

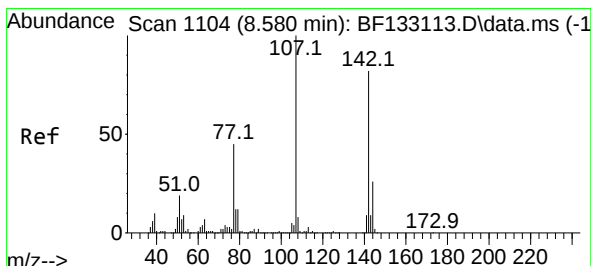
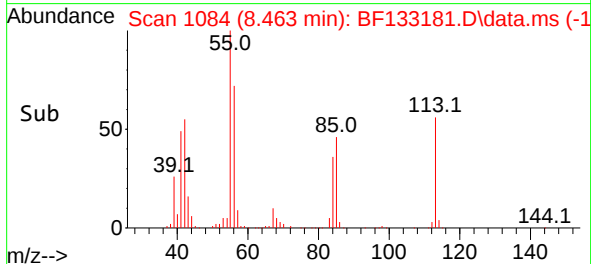
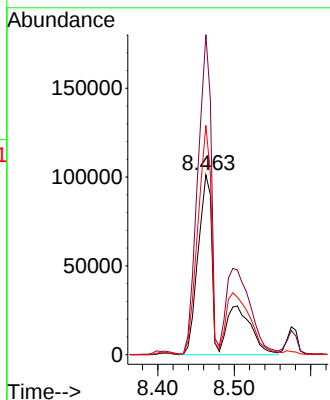
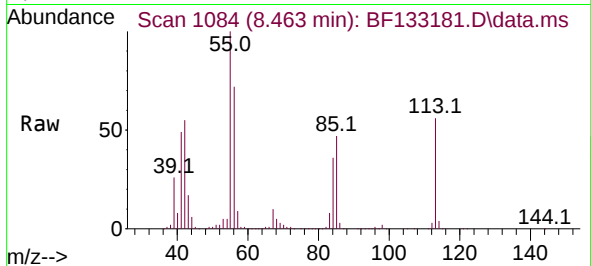
ClientSampleId :

PB152505BS

Tgt Ion:113 Resp: 18540
 Ion Ratio Lower Upper
 113 100
 55 178.0 167.1 207.1
 56 127.5 114.5 154.5

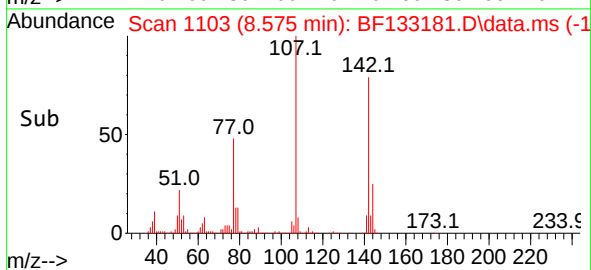
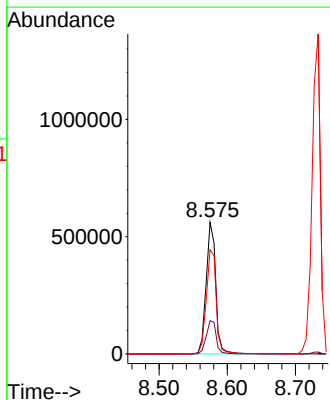
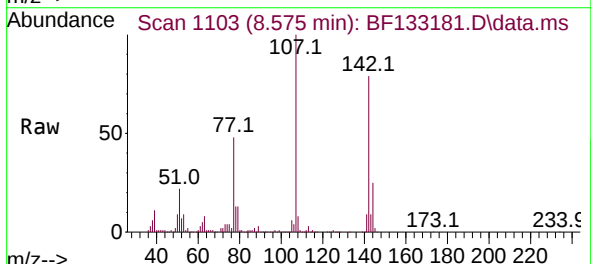
Manual Integrations
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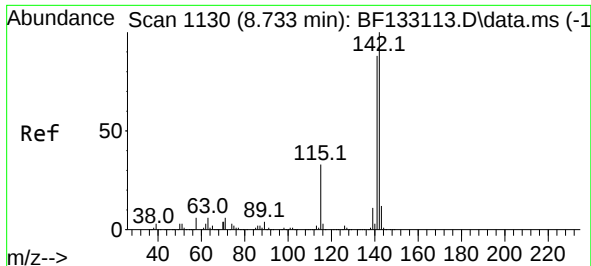
Reviewed By :Christian Giraldo 05/03/2023
 Supervised By :Jagrut Upadhyay 05/03/2023



#36
 4-Chloro-3-methylphenol
 Concen: 44.661 ng
 RT: 8.575 min Scan# 1103
 Delta R.T. 0.000 min
 Lab File: BF133181.D
 Acq: 02 May 2023 10:56

Tgt Ion:107 Resp: 550905
 Ion Ratio Lower Upper
 107 100
 144 25.3 20.6 30.8
 142 79.2 62.8 94.2





#37

2-Methylnaphthalene

Concen: 41.398 ng

RT: 8.733 min Scan# 1130

Delta R.T. 0.000 min

Lab File: BF133181.D

Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

PB152505BS

Tgt Ion:142 Resp: 114516

Ion Ratio Lower Upper

142 100

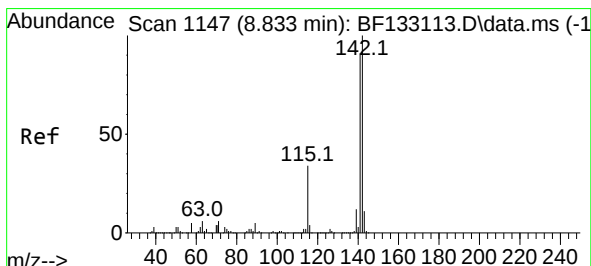
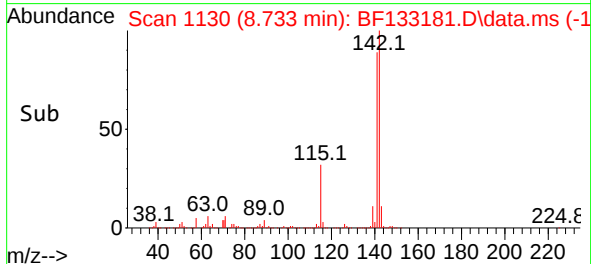
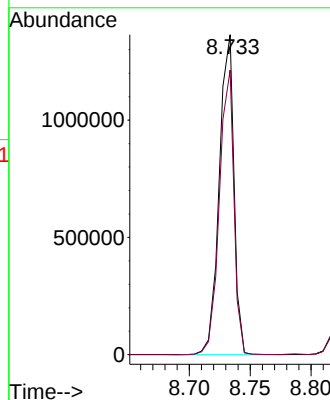
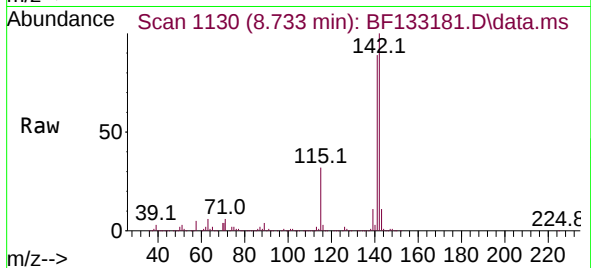
141 89.0 69.4 104.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023

Supervised By :Jagrut Upadhyay 05/03/2023



#38

1-Methylnaphthalene

Concen: 41.639 ng

RT: 8.828 min Scan# 1146

Delta R.T. 0.000 min

Lab File: BF133181.D

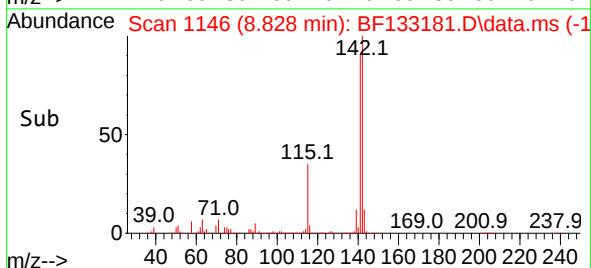
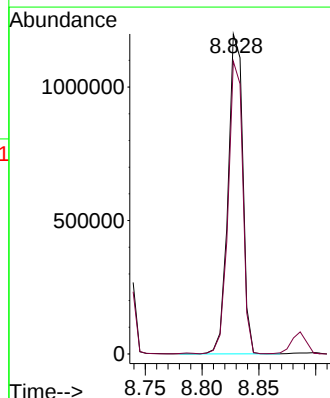
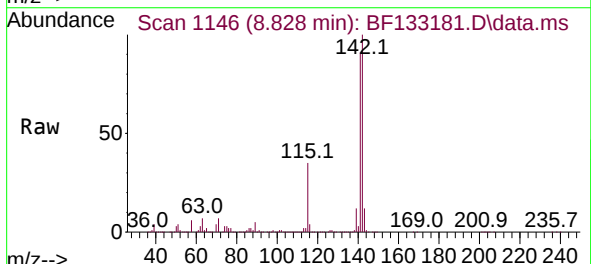
Acq: 02 May 2023 10:56

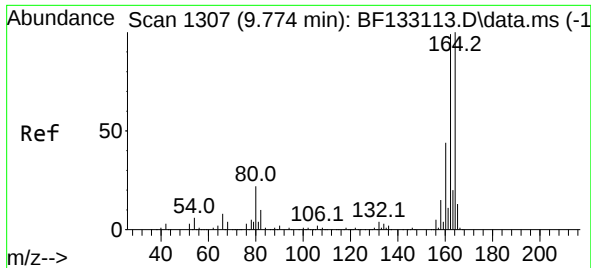
Tgt Ion:142 Resp: 1077535

Ion Ratio Lower Upper

142 100

141 91.5 73.1 109.7





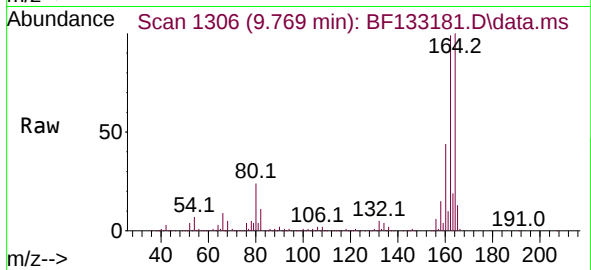
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1158
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

PB152505BS

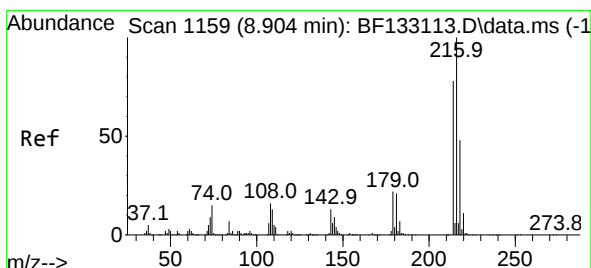
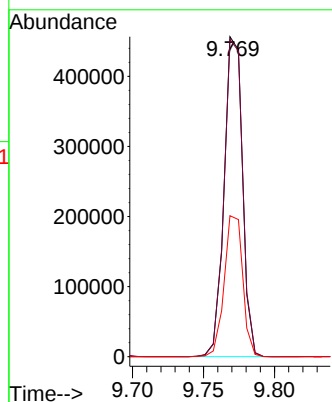
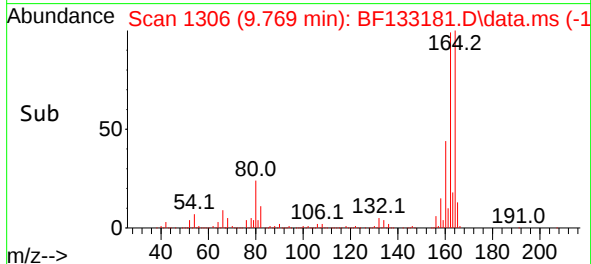


Tgt Ion:164 Resp: 40967
Ion Ratio Lower Upper
164 100
162 99.1 78.7 118.1
160 44.1 35.8 53.6

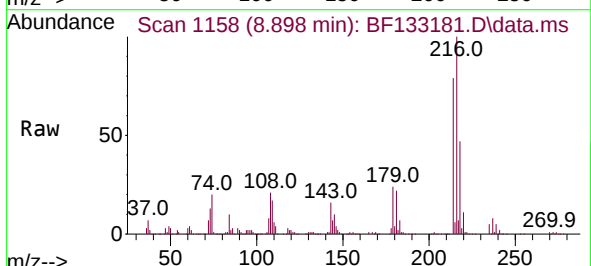
Manual Integrations

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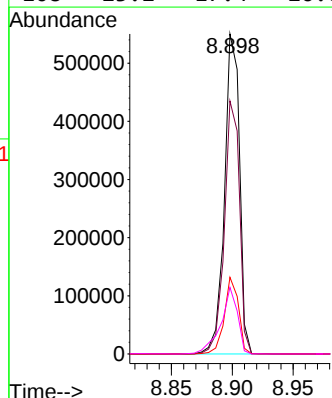
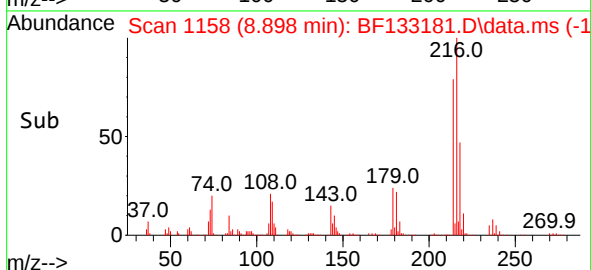
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.891 ng
RT: 8.898 min Scan# 1158
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56



Tgt Ion:216 Resp: 472444
Ion Ratio Lower Upper
216 100
214 79.3 63.5 95.3
179 22.6 17.4 26.2
108 23.2 17.4 26.0





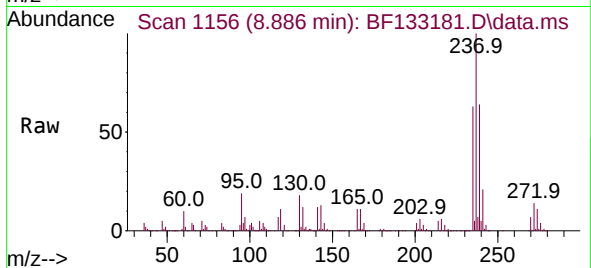
#41
Hexachlorocyclopentadiene
Concen: 95.038 ng
RT: 8.886 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

PB152505BS

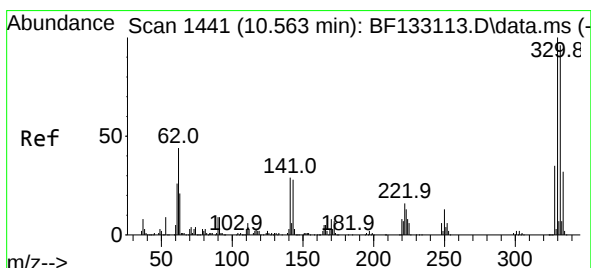
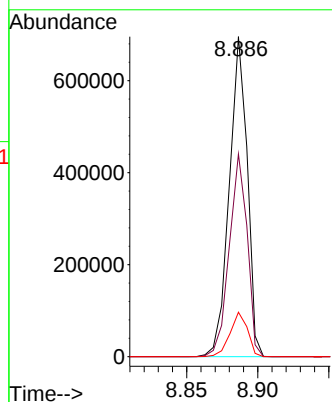
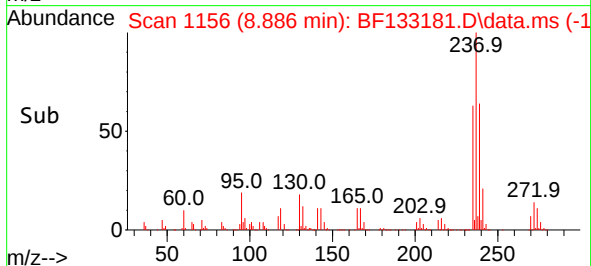


Tgt Ion:237 Resp: 610519
Ion Ratio Lower Upper
237 100
235 63.4 43.5 83.5
272 13.9 0.0 32.7

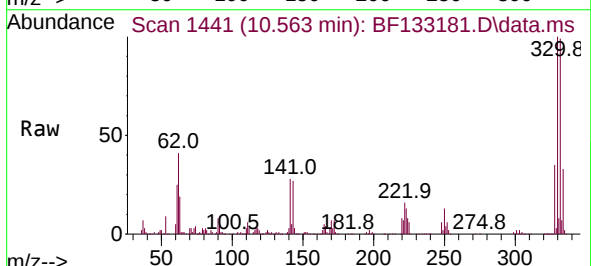
Manual Integrations

APPROVED

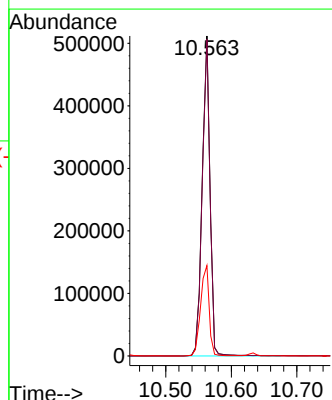
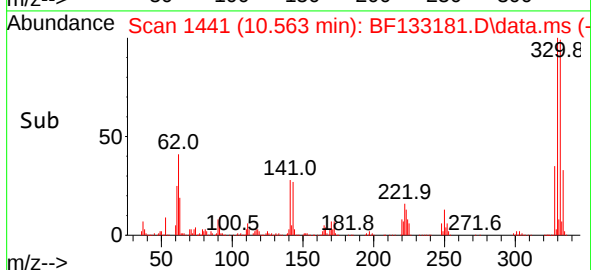
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

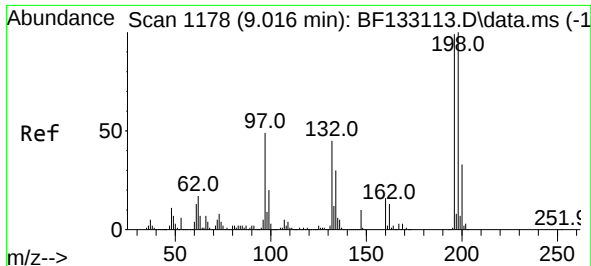


#42
2,4,6-Tribromophenol
Concen: 103.055 ng
RT: 10.563 min Scan# 1441
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56



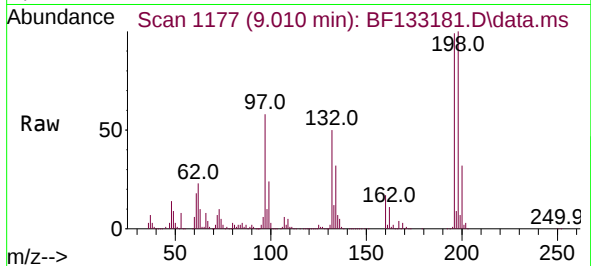
Tgt Ion:330 Resp: 424591
Ion Ratio Lower Upper
330 100
332 98.2 77.1 115.7
141 31.3 25.8 38.8





#43
2,4,6-Trichlorophenol
Concen: 44.257 ng
RT: 9.010 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

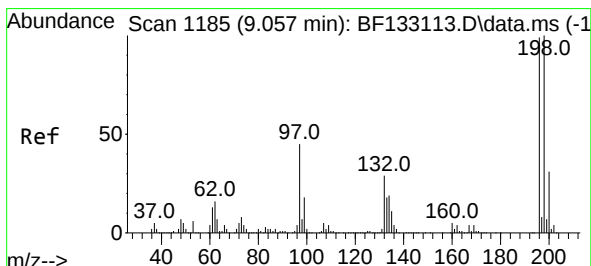
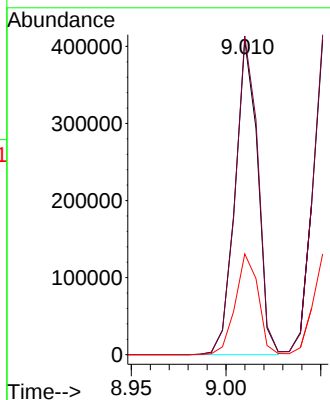
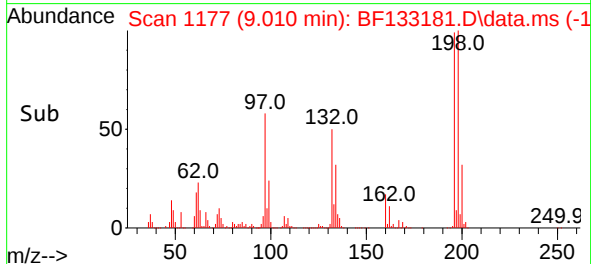
Instrument :
BNA_F
ClientSampleId :
PB152505BS



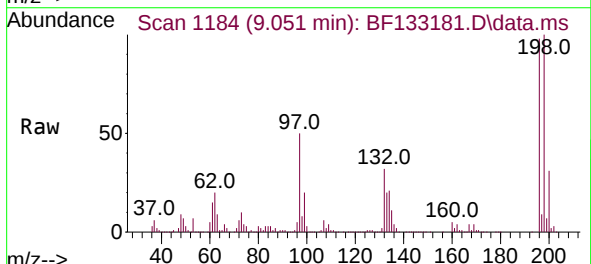
Tgt Ion:196 Resp: 337132
Ion Ratio Lower Upper
196 100
198 101.4 81.0 121.6
200 32.1 26.1 39.1

Manual Integrations
APPROVED

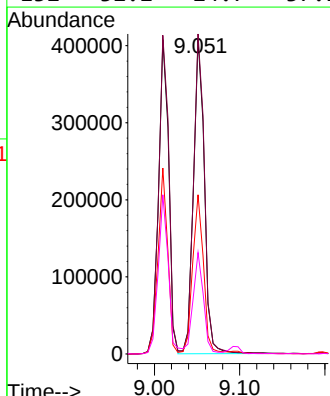
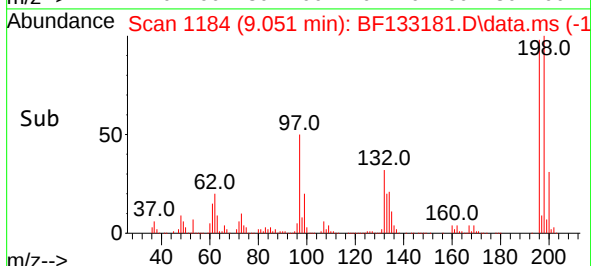
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

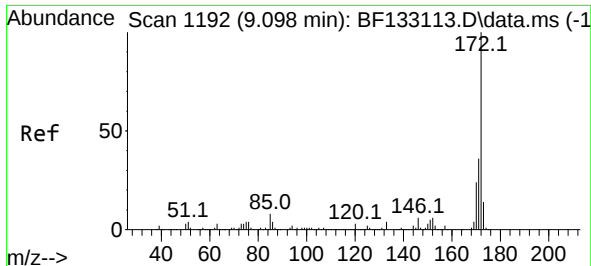


#44
2,4,5-Trichlorophenol
Concen: 41.582 ng
RT: 9.051 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56



Tgt Ion:196 Resp: 366332
Ion Ratio Lower Upper
196 100
198 101.6 80.9 121.3
97 50.5 41.3 61.9
132 32.2 24.7 37.1





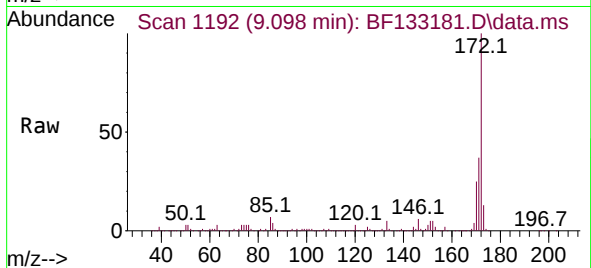
#45
2-Fluorobiphenyl
Concen: 72.002 ng
RT: 9.098 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

PB152505BS

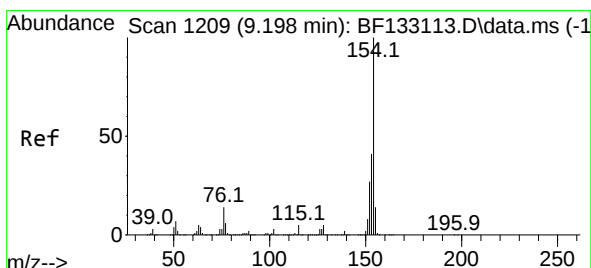
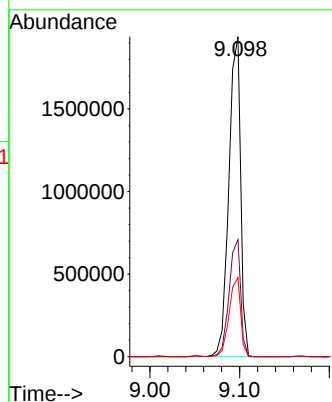
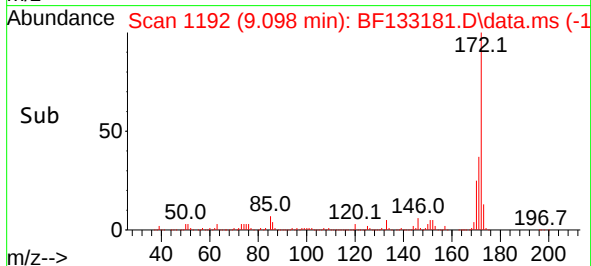


Tgt Ion:172 Resp: 176313
Ion Ratio Lower Upper
172 100
171 36.5 28.8 43.2
170 24.7 19.4 29.2

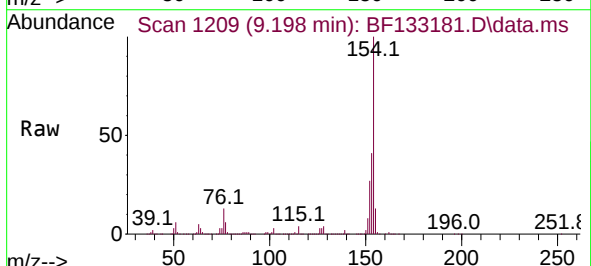
Manual Integrations

APPROVED

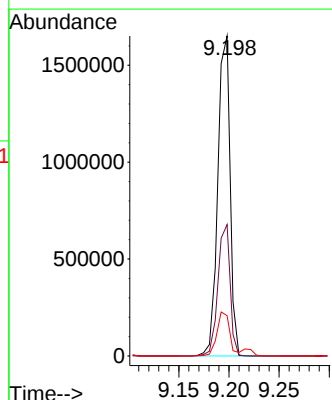
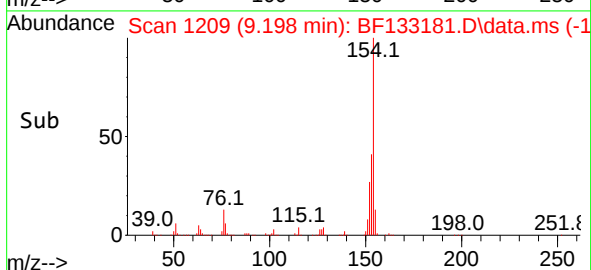
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

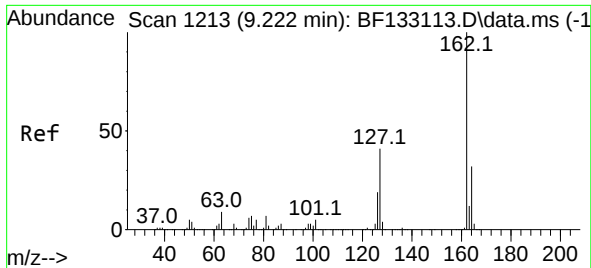


#46
1,1'-Biphenyl
Concen: 43.242 ng
RT: 9.198 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56



Tgt Ion:154 Resp: 1404716
Ion Ratio Lower Upper
154 100
153 41.1 21.0 61.0
76 12.6 0.0 34.5





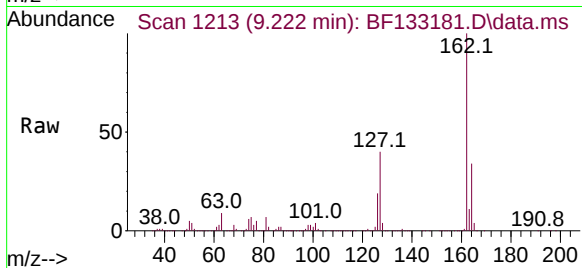
#47
2-Chloronaphthalene
Concen: 44.868 ng
RT: 9.222 min Scan# 1213
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

PB152505BS

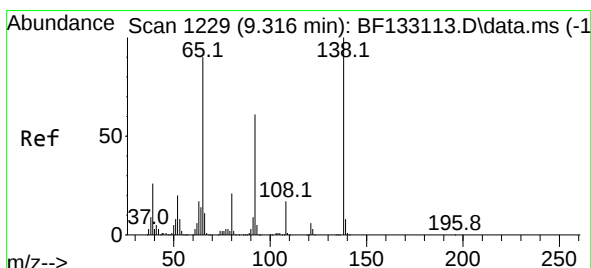
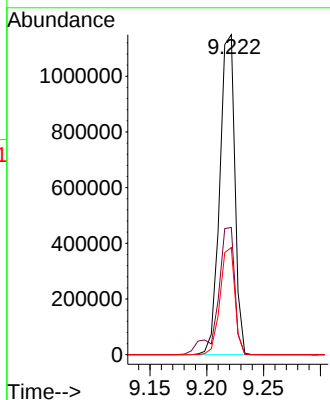
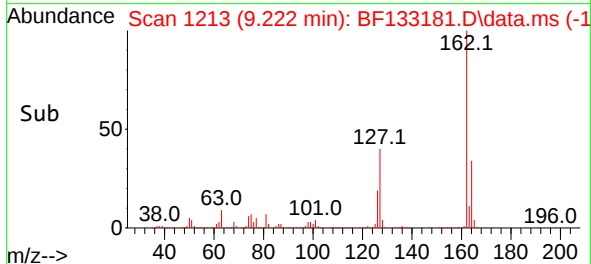


Tgt Ion:162 Resp: 106683
Ion Ratio Lower Upper
162 100
127 39.8 32.3 48.5
164 33.5 26.8 40.2

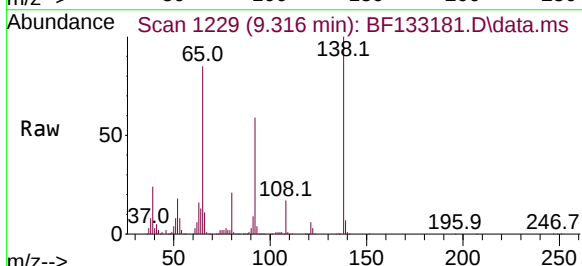
Manual Integrations

APPROVED

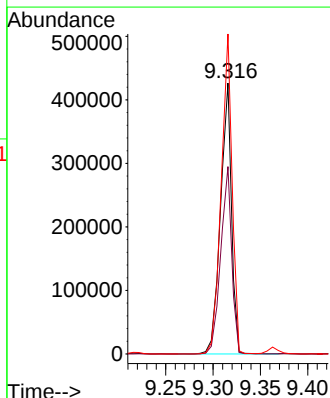
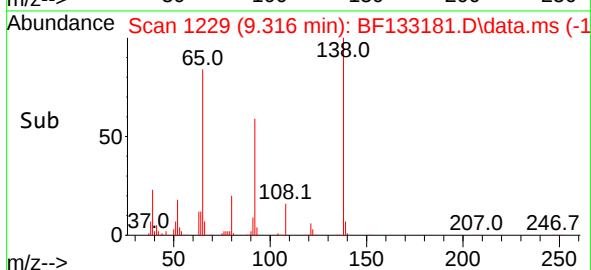
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

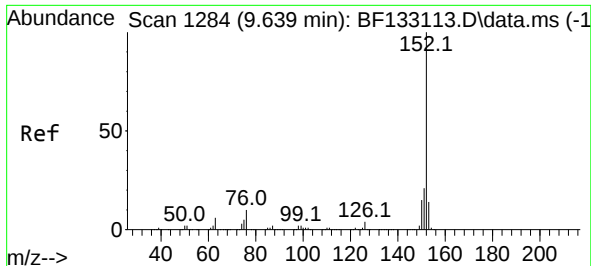


#48
2-Nitroaniline
Concen: 44.149 ng
RT: 9.316 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56



Tgt Ion: 65 Resp: 346932
Ion Ratio Lower Upper
65 100
92 69.2 55.4 83.0
138 118.1 98.2 147.2





#49

Acenaphthylene

Concen: 43.827 ng

RT: 9.633 min Scan# 1283

Delta R.T. 0.000 min

Lab File: BF133181.D

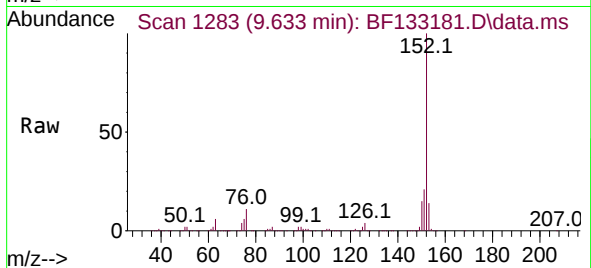
Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

PB152505BS



Tgt Ion:152 Resp: 1665060

Ion Ratio Lower Upper

152 100

151 20.5 16.6 24.8

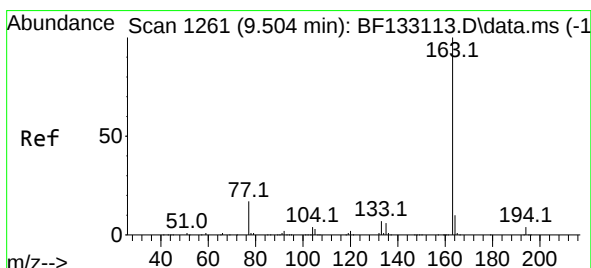
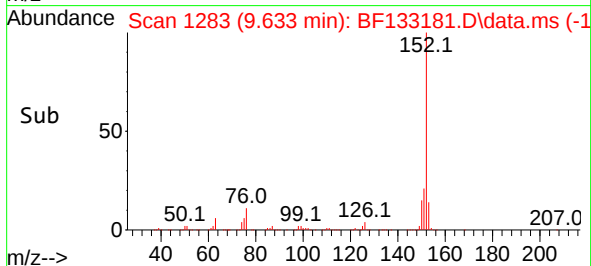
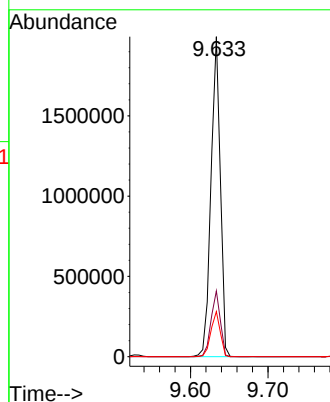
153 14.1 11.5 17.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023

Supervised By :Jagrut Upadhyay 05/03/2023



#50

Dimethylphthalate

Concen: 43.253 ng

RT: 9.498 min Scan# 1260

Delta R.T. 0.000 min

Lab File: BF133181.D

Acq: 02 May 2023 10:56

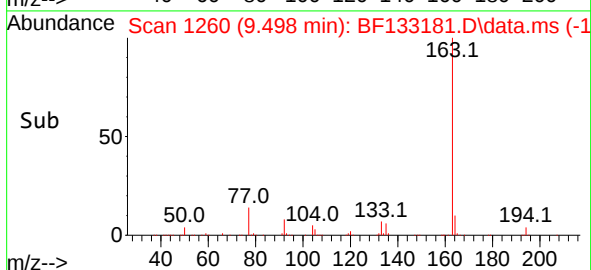
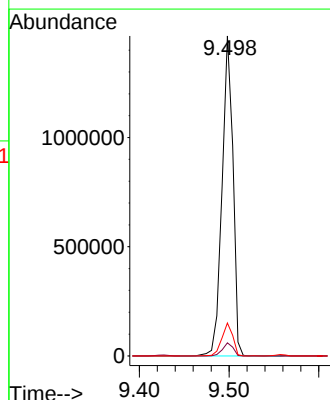
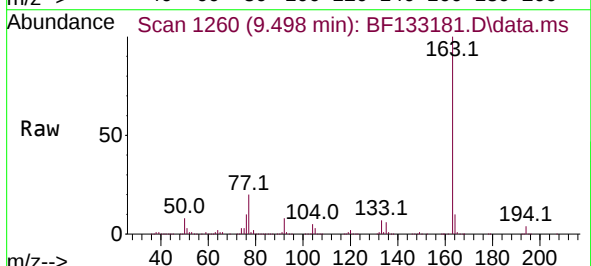
Tgt Ion:163 Resp: 1235541

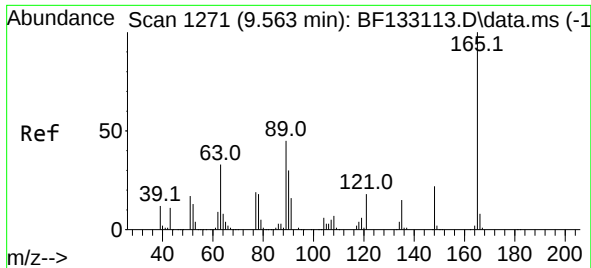
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

164 10.3 8.5 12.7





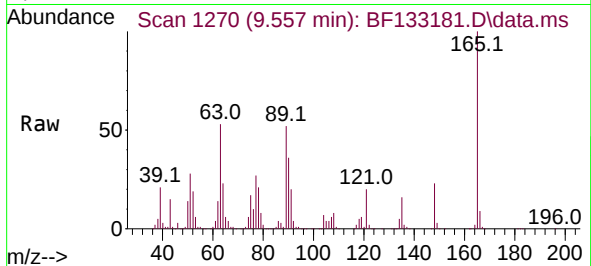
#51
2,6-Dinitrotoluene
Concen: 45.474 ng
RT: 9.557 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

PB152505BS

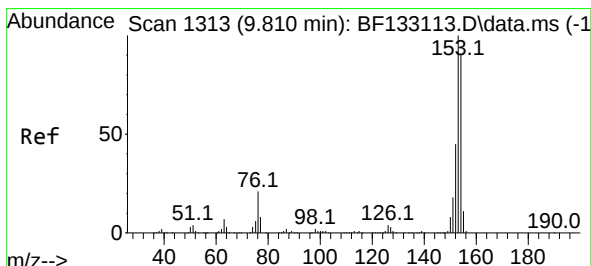
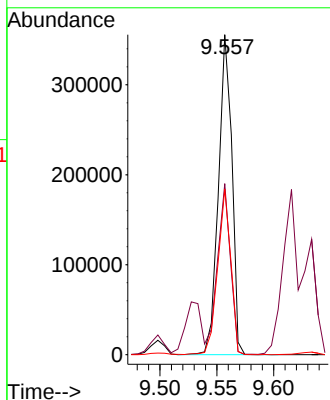
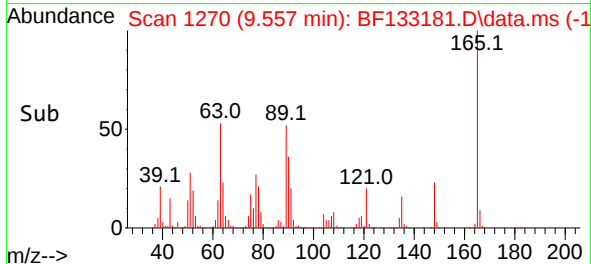


Tgt Ion:165 Resp: 292369
Ion Ratio Lower Upper
165 100
63 53.4 45.9 68.9
89 51.8 44.0 66.0

Manual Integrations

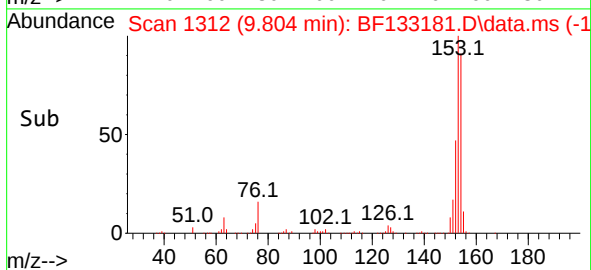
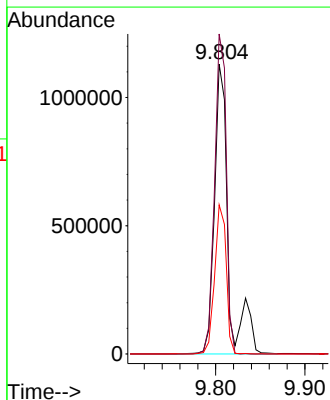
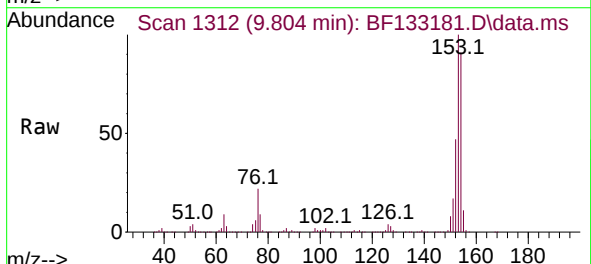
APPROVED

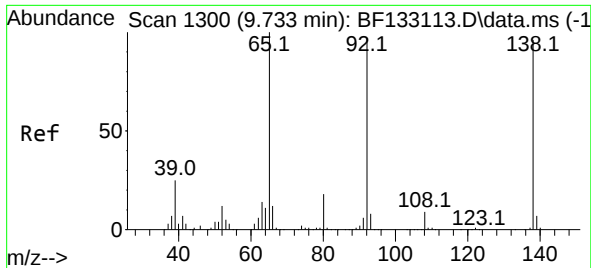
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#52
Acenaphthene
Concen: 47.808 ng m
RT: 9.804 min Scan# 1312
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Tgt Ion:154 Resp: 1216480
Ion Ratio Lower Upper
154 100
153 110.4 89.0 133.6
152 51.4 40.4 60.6





#53
3-Nitroaniline
Concen: 34.888 ng
RT: 9.727 min Scan# 1299
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

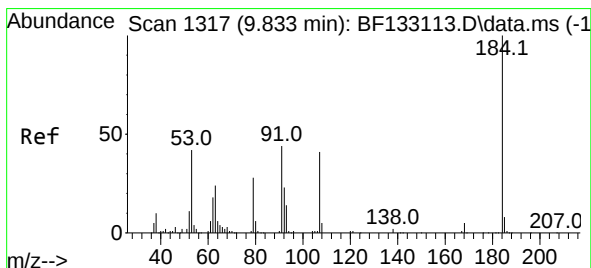
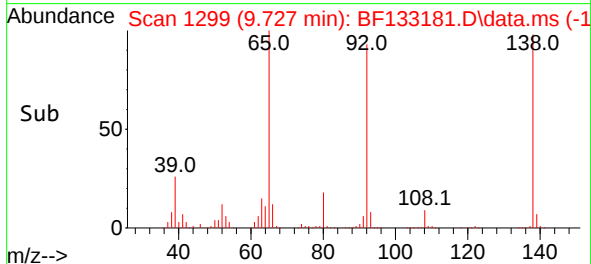
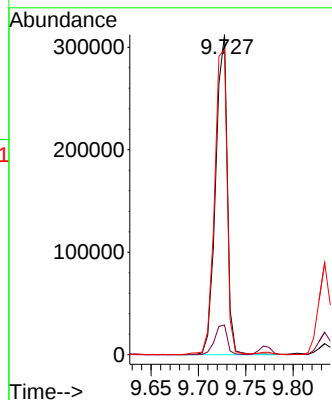
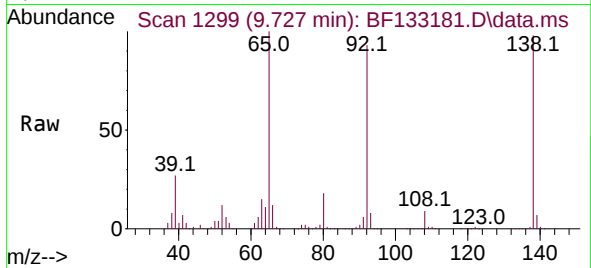
PB152505BS

Tgt Ion:138 Resp: 266708
Ion Ratio Lower Upper
138 100
108 9.3 8.0 12.0
92 95.4 83.6 125.4

Manual Integrations

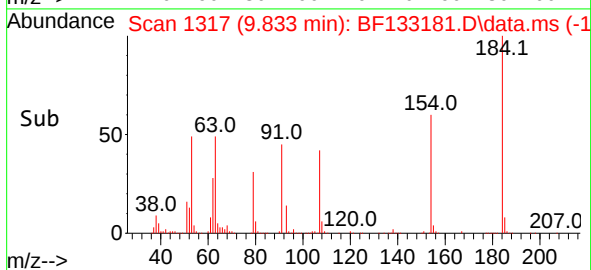
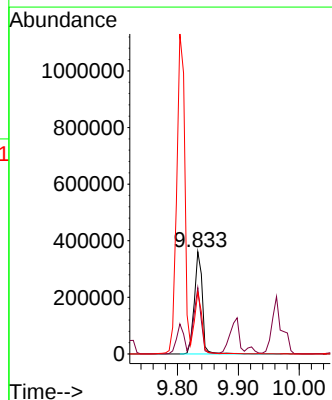
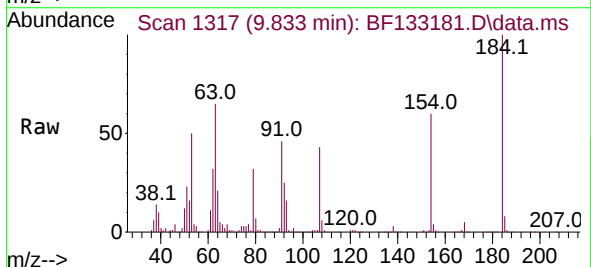
APPROVED

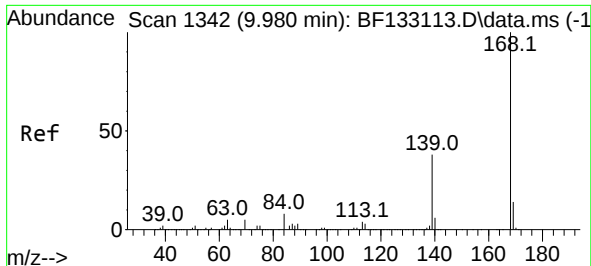
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#54
2,4-Dinitrophenol
Concen: 102.613 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Tgt Ion:184 Resp: 331616
Ion Ratio Lower Upper
184 100
63 64.7 49.8 74.8
154 60.2 49.5 74.3





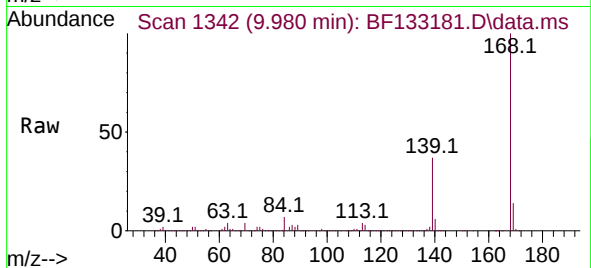
#55
Dibenzenofuran
Concen: 42.425 ng
RT: 9.980 min Scan# 1342
Delta R.T. 0.006 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

PB152505BS

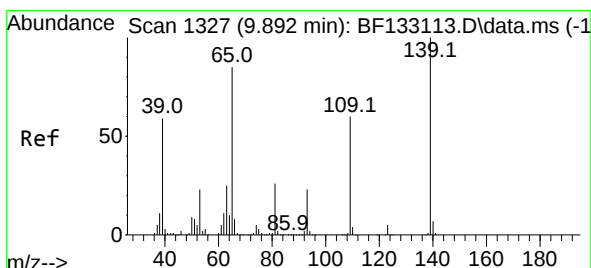
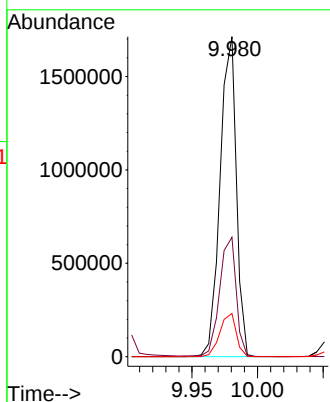
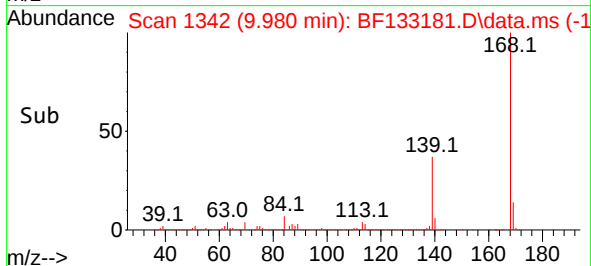


Tgt Ion:168 Resp: 1472540
Ion Ratio Lower Upper
168 100
139 37.3 29.8 44.8
169 13.5 10.8 16.2

Manual Integrations

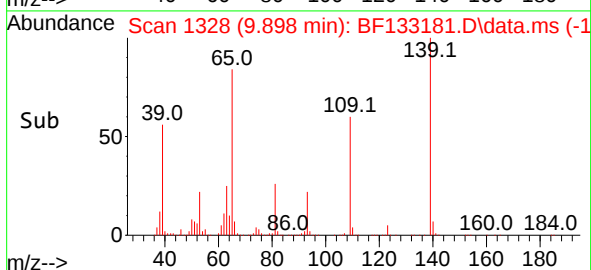
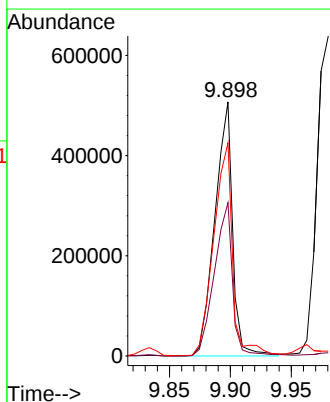
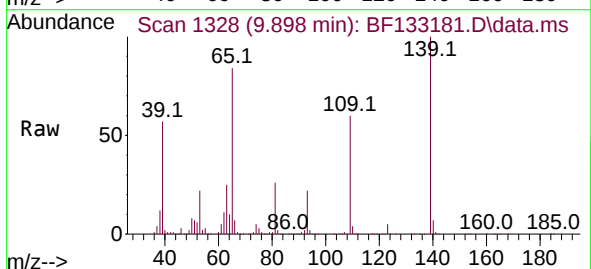
APPROVED

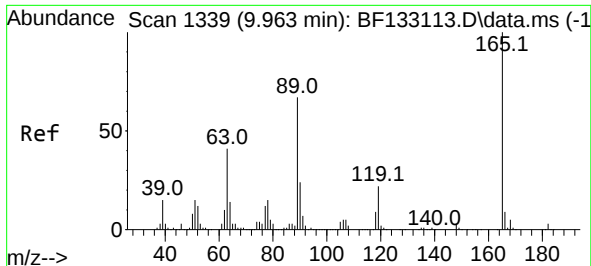
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#56
4-Nitrophenol
Concen: 87.028 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Tgt Ion:139 Resp: 515286
Ion Ratio Lower Upper
139 100
109 60.3 39.4 79.4
65 83.9 57.5 97.5





#57

2,4-Dinitrotoluene

Concen: 46.620 ng

RT: 9.963 min Scan# 1339

Delta R.T. 0.000 min

Lab File: BF133181.D

Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

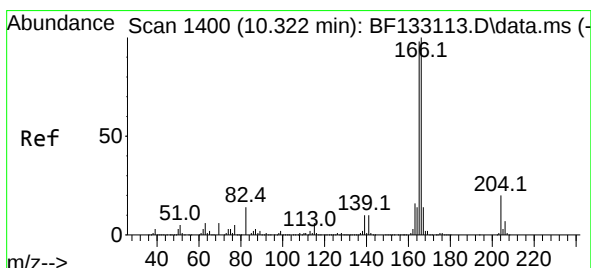
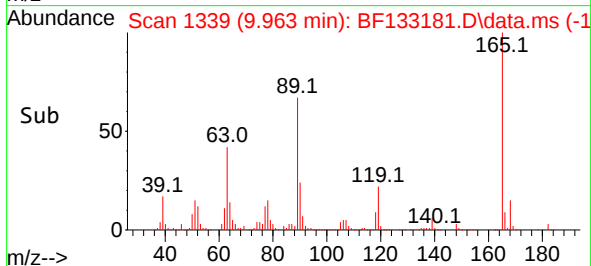
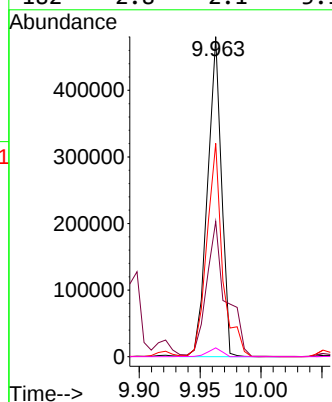
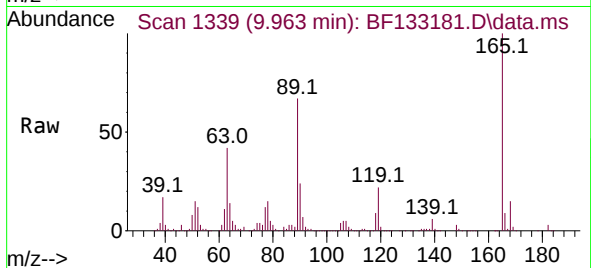
PB152505BS

Tgt Ion:	165	Resp:	38224
Ion Ratio	Lower	Upper	
165	100		
63	42.2	37.7	56.5
89	66.6	57.0	85.4
182	2.8	2.1	3.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#58

Fluorene

Concen: 42.865 ng

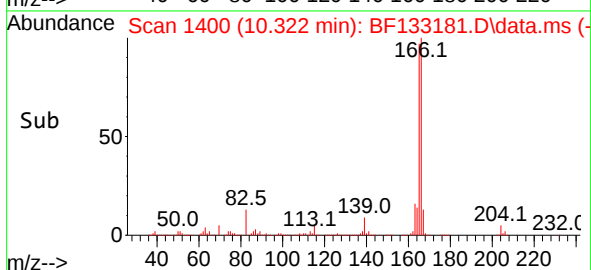
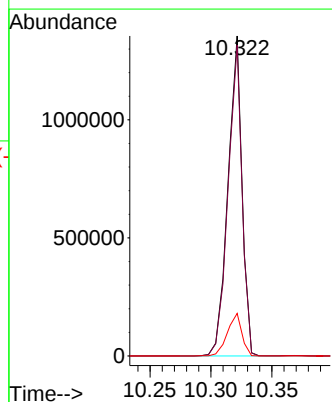
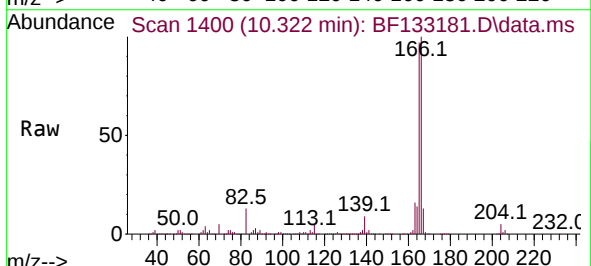
RT: 10.322 min Scan# 1400

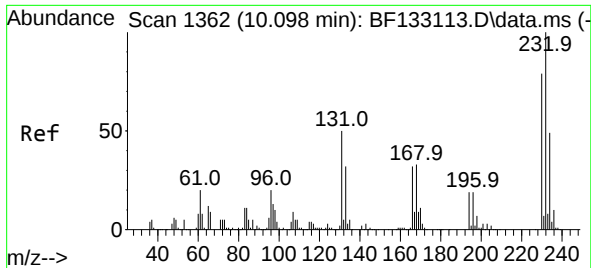
Delta R.T. 0.000 min

Lab File: BF133181.D

Acq: 02 May 2023 10:56

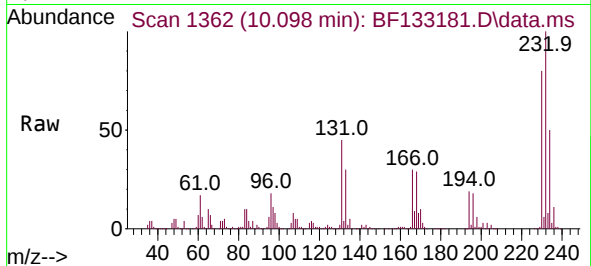
Tgt Ion:	166	Resp:	1090049
Ion Ratio	Lower	Upper	
166	100		
165	97.1	78.6	117.8
167	13.3	11.0	16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 44.348 ng
RT: 10.098 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

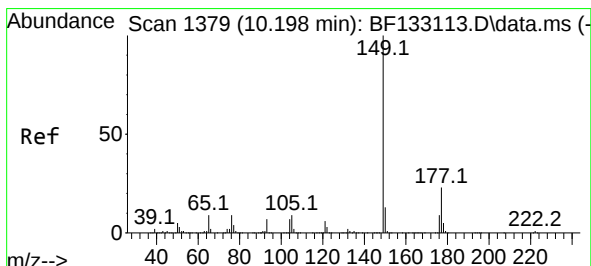
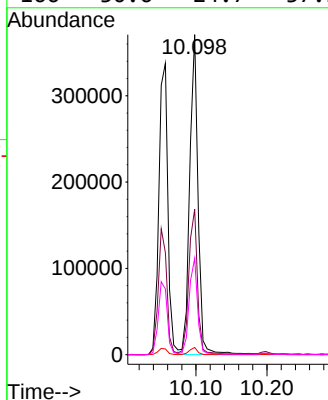
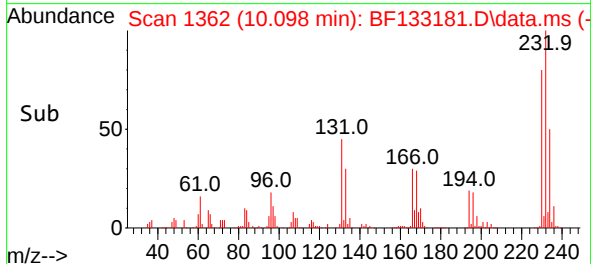
Instrument :
BNA_F
ClientSampleId :
PB152505BS



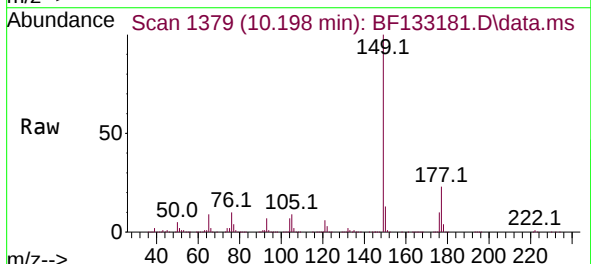
Tgt Ion:232 Resp: 30289
Ion Ratio Lower Upper
232 100
131 46.9 38.0 57.0
130 2.2 1.8 2.8
166 30.6 24.7 37.1

Manual Integrations
APPROVED

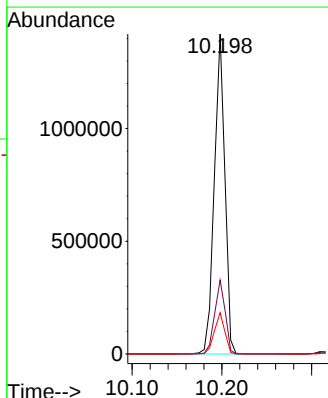
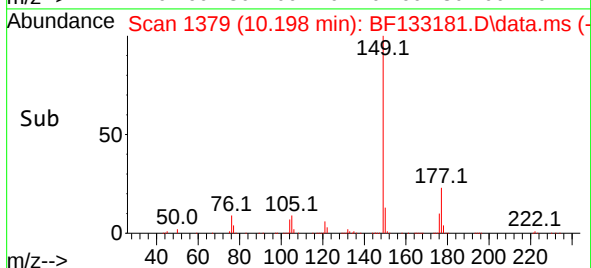
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

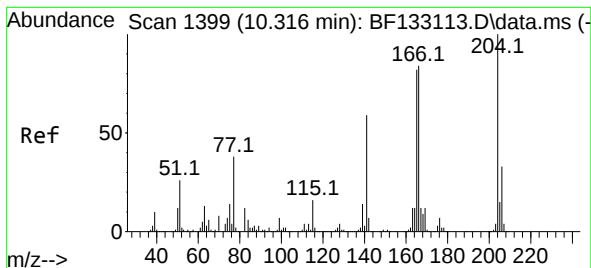


#60
Diethylphthalate
Concen: 43.017 ng
RT: 10.198 min Scan# 1379
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56



Tgt Ion:149 Resp: 1160682
Ion Ratio Lower Upper
149 100
177 23.1 18.2 27.4
150 12.9 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 42.215 ng
RT: 10.310 min Scan# 1399
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

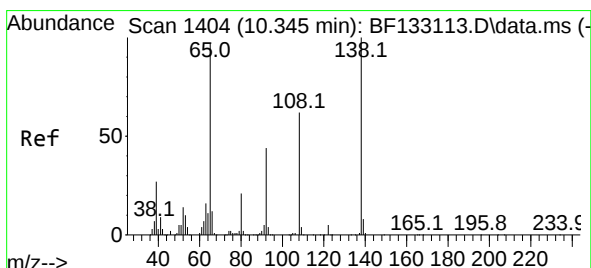
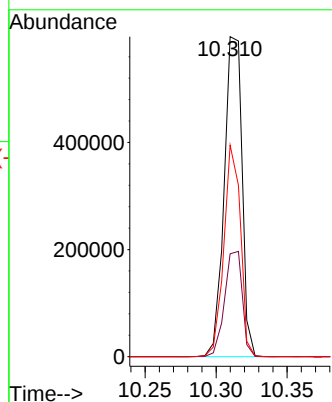
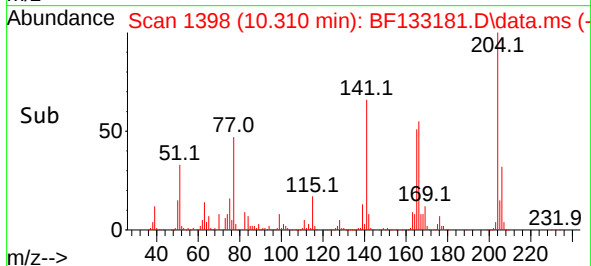
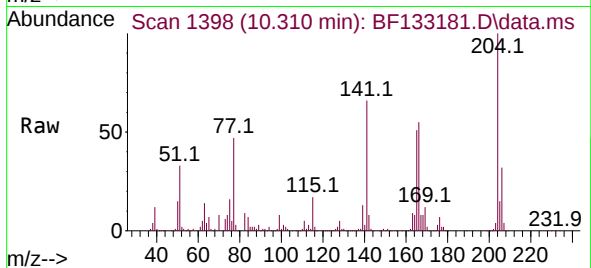
PB152505BS

Tgt Ion:204 Resp: 523150
Ion Ratio Lower Upper
204 100
206 32.2 26.1 39.1
141 66.1 46.1 69.1

Manual Integrations

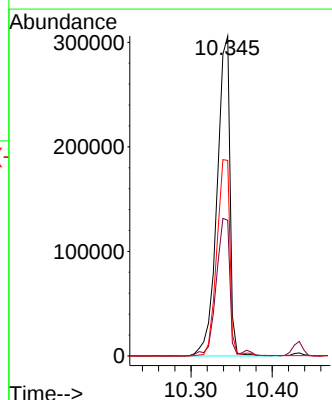
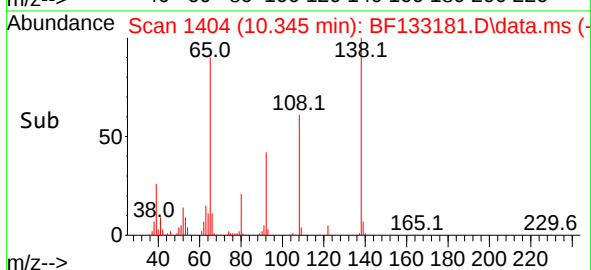
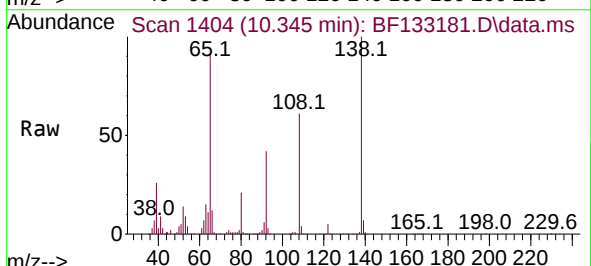
APPROVED

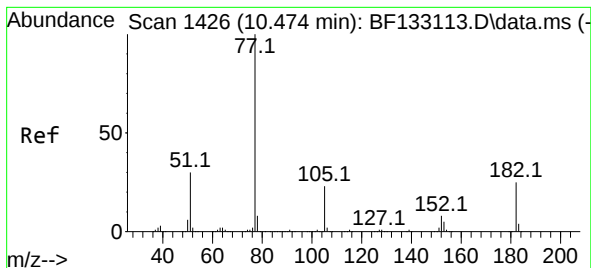
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#62
4-Nitroaniline
Concen: 48.067 ng
RT: 10.345 min Scan# 1404
Delta R.T. 0.006 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Tgt Ion:138 Resp: 337729
Ion Ratio Lower Upper
138 100
92 42.4 27.7 67.7
108 61.1 45.2 85.2





#63

Azobenzene

Concen: 41.263 ng

RT: 10.474 min Scan# 1426

Delta R.T. 0.000 min

Lab File: BF133181.D

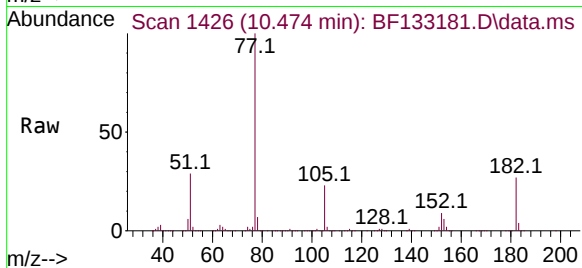
Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

PB152505BS



Tgt Ion: 77 Resp: 117942

Ion Ratio Lower Upper

77 100

182 27.2 5.9 45.9

105 23.4 2.3 42.3

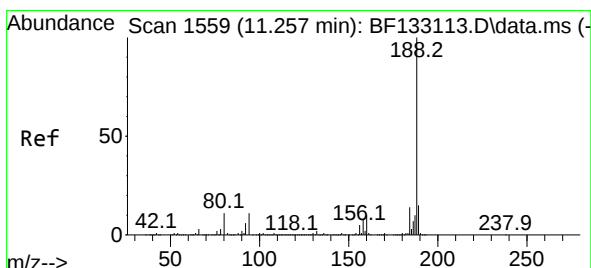
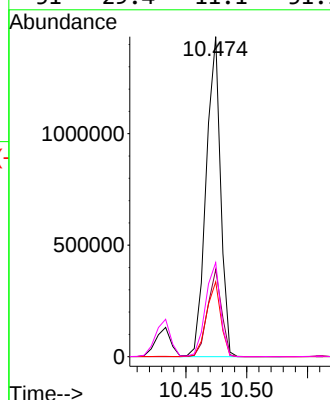
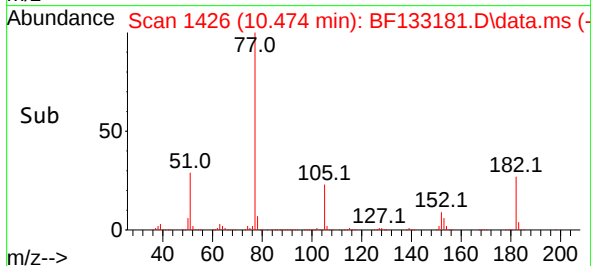
51 29.4 11.1 51.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023

Supervised By :Jagrut Upadhyay 05/03/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.251 min Scan# 1558

Delta R.T. 0.000 min

Lab File: BF133181.D

Acq: 02 May 2023 10:56

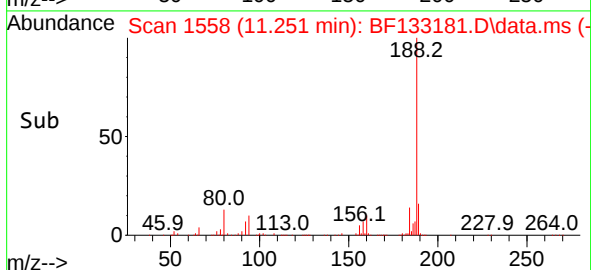
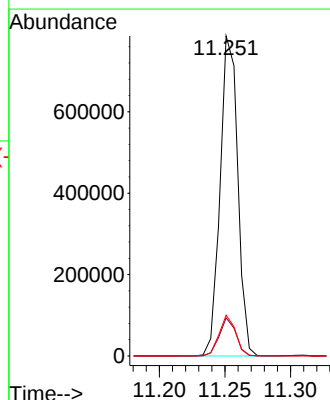
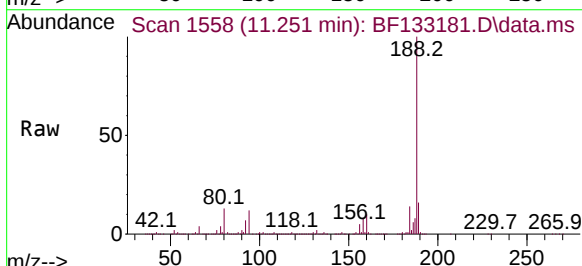
Tgt Ion:188 Resp: 734700

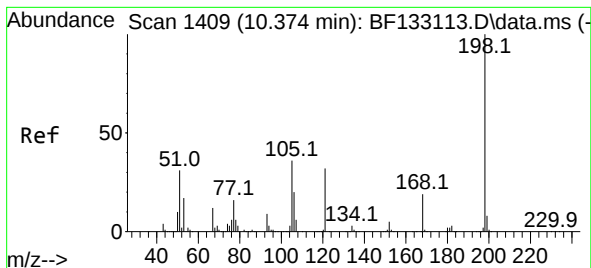
Ion Ratio Lower Upper

188 100

94 11.9 9.7 14.5

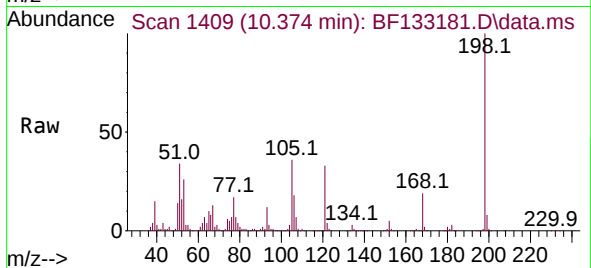
80 12.7 10.4 15.6





#65
4,6-Dinitro-2-methylphenol
Concen: 50.637 ng
RT: 10.374 min Scan# 1409
Delta R.T. 0.006 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

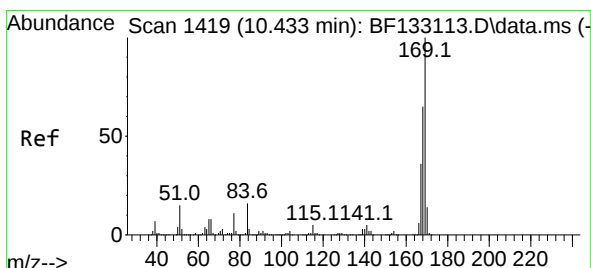
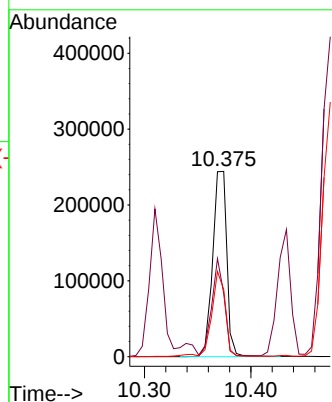
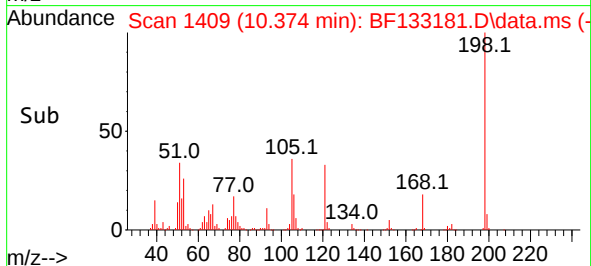
Instrument :
BNA_F
ClientSampleId :
PB152505BS



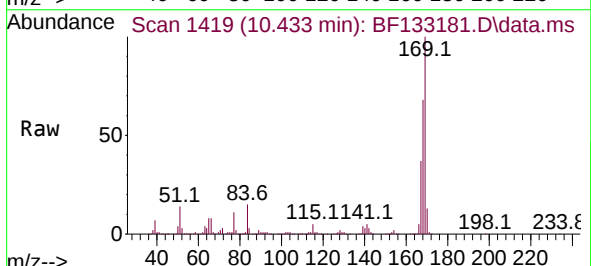
Tgt Ion:198 Resp: 225494
Ion Ratio Lower Upper
198 100
51 34.1 15.5 55.5
105 36.3 16.7 56.7

Manual Integrations
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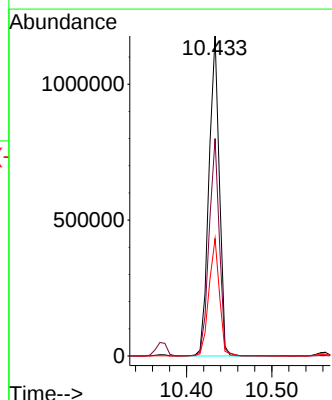
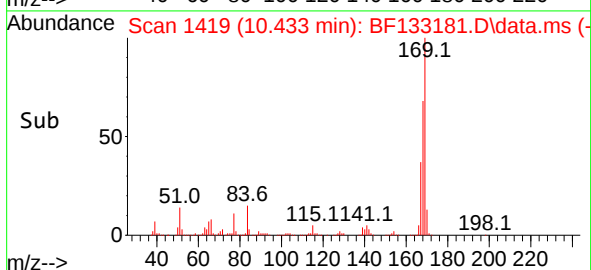
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

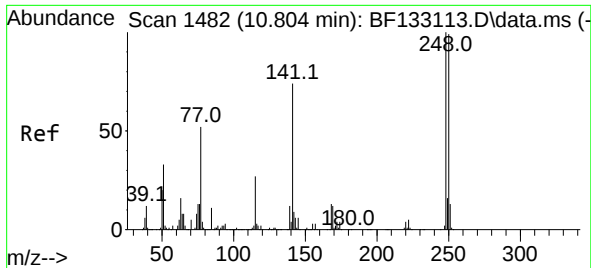


#66
n-Nitrosodiphenylamine
Concen: 41.849 ng
RT: 10.433 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56



Tgt Ion:169 Resp: 997348
Ion Ratio Lower Upper
169 100
168 68.0 53.8 80.8
167 36.7 29.7 44.5





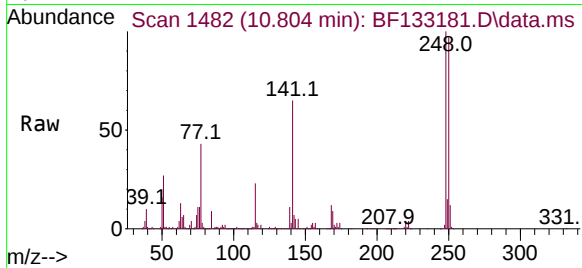
#67
4-Bromophenyl-phenylether
Concen: 41.817 ng
RT: 10.804 min Scan# 1482
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

PB152505BS

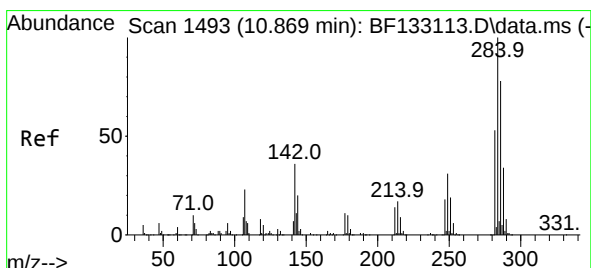
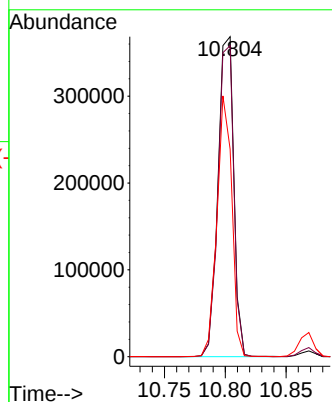
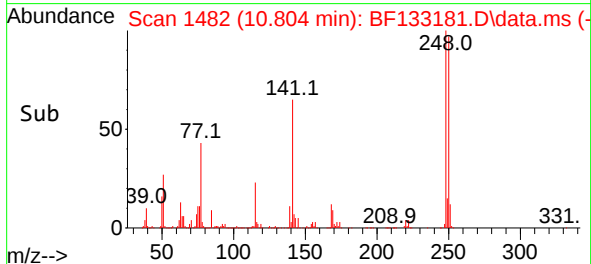


Tgt Ion:248 Resp: 333200
Ion Ratio Lower Upper
248 100
250 97.2 78.7 118.1
141 64.8 56.3 84.5

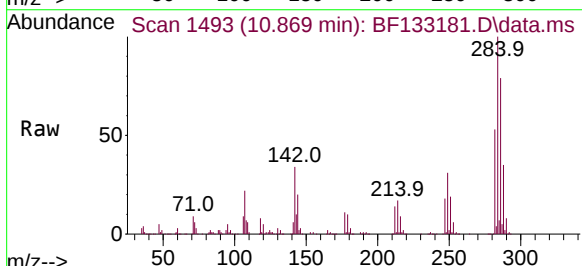
Manual Integrations

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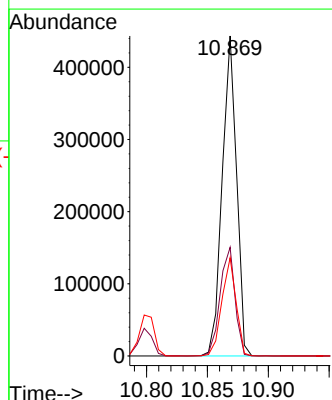
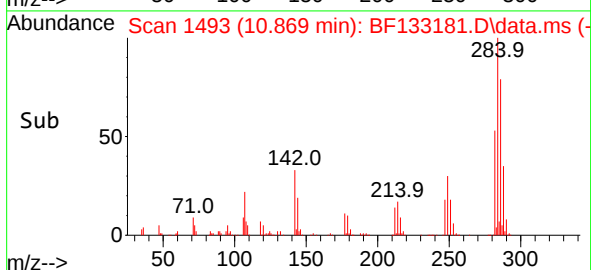
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

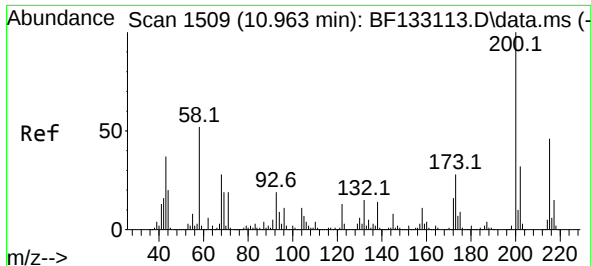


#68
Hexachlorobenzene
Concen: 44.574 ng
RT: 10.869 min Scan# 1493
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56



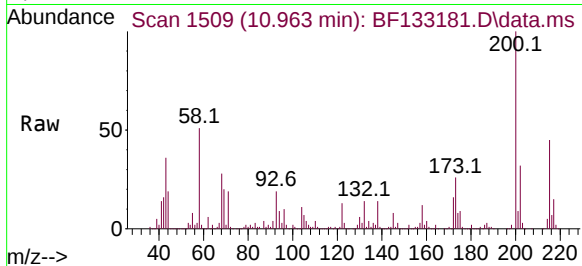
Tgt Ion:284 Resp: 363946
Ion Ratio Lower Upper
284 100
142 34.0 26.0 39.0
249 30.7 23.7 35.5





#69
 Atrazine
 Concen: 49.600 ng
 RT: 10.963 min Scan# 1509
 Delta R.T. 0.000 min
 Lab File: BF133181.D
 Acq: 02 May 2023 10:56

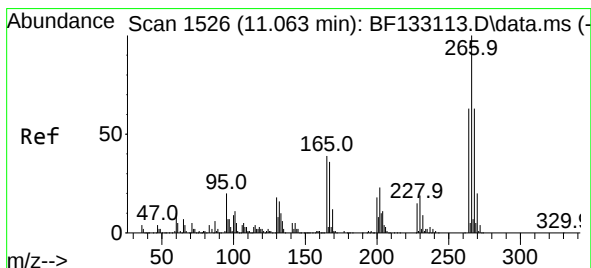
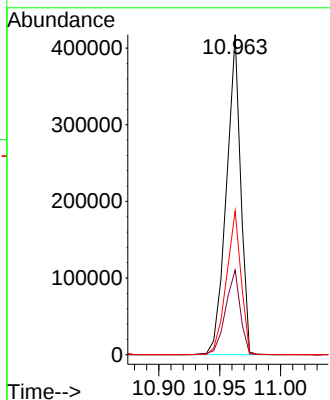
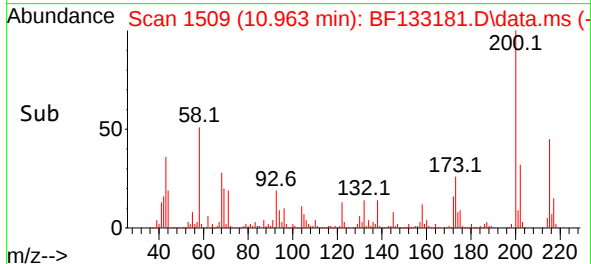
Instrument :
 BNA_F
 ClientSampleId :
 PB152505BS



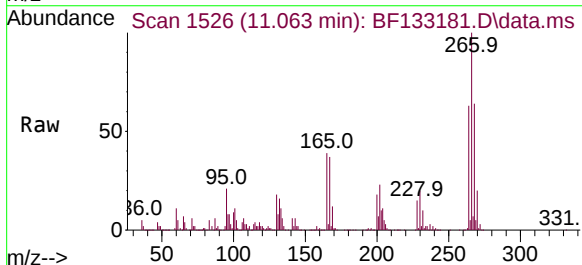
Tgt Ion:200 Resp: 340609
 Ion Ratio Lower Upper
 200 100
 173 26.4 6.2 46.2
 215 45.0 26.3 66.3

Manual Integrations
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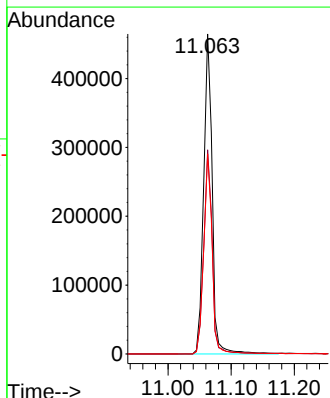
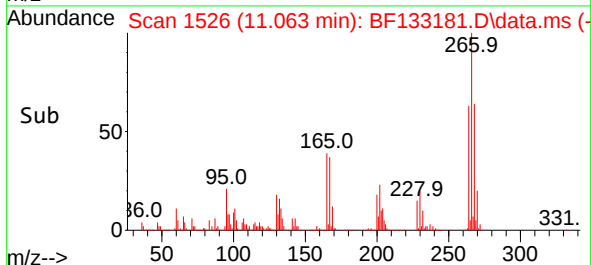
Reviewed By :Christian Giraldo 05/03/2023
 Supervised By :Jagrut Upadhyay 05/03/2023

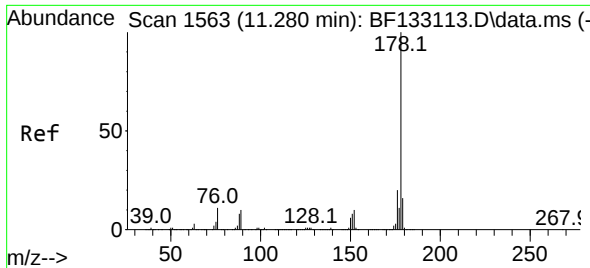


#70
 Pentachlorophenol
 Concen: 75.068 ng
 RT: 11.063 min Scan# 1526
 Delta R.T. 0.000 min
 Lab File: BF133181.D
 Acq: 02 May 2023 10:56



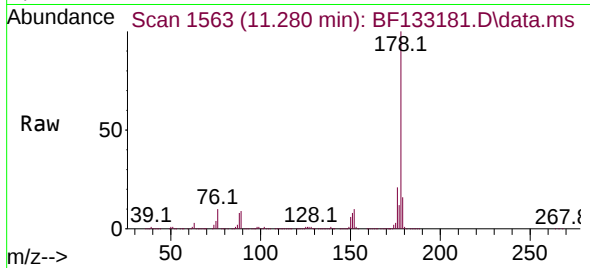
Tgt Ion:266 Resp: 436524
 Ion Ratio Lower Upper
 266 100
 268 63.8 48.8 73.2
 264 62.6 50.6 76.0





#71
Phenanthrene
Concen: 41.893 ng
RT: 11.280 min Scan# 1563
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

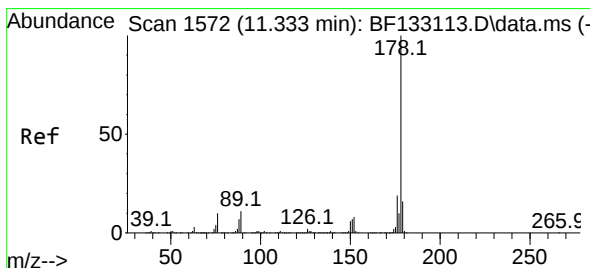
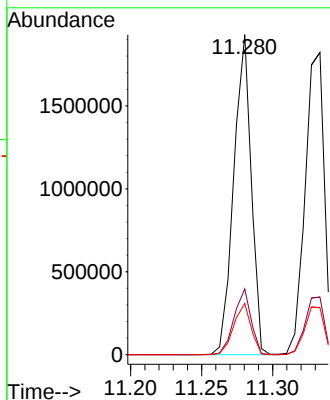
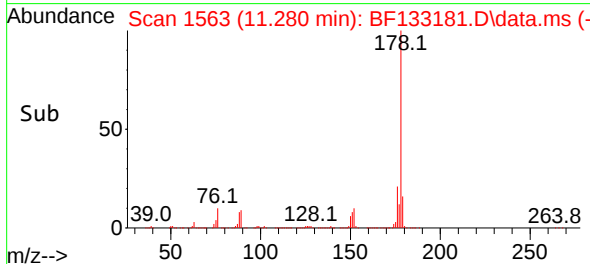
Instrument :
BNA_F
ClientSampleId :
PB152505BS



Tgt Ion:178 Resp: 165426
Ion Ratio Lower Upper
178 100
176 20.5 15.9 23.9
179 16.0 12.5 18.7

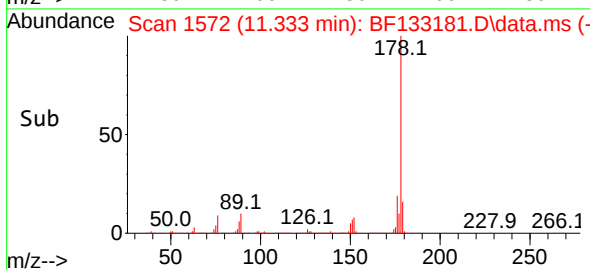
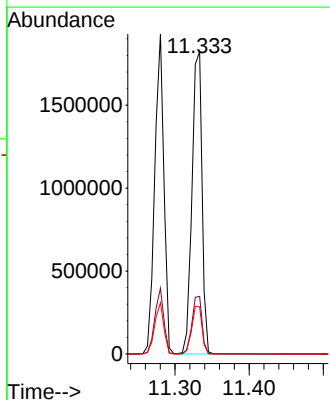
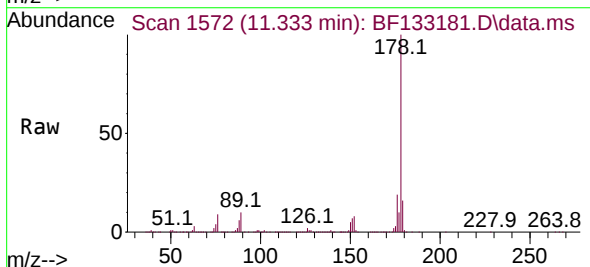
Manual Integrations
APPROVED

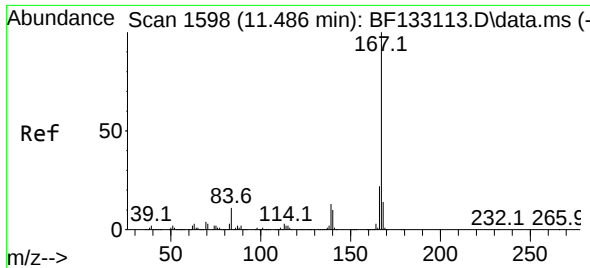
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#72
Anthracene
Concen: 42.518 ng
RT: 11.333 min Scan# 1572
Delta R.T. 0.006 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

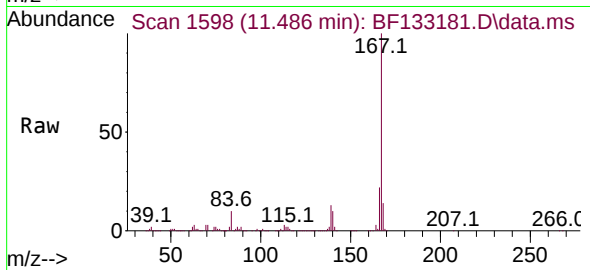
Tgt Ion:178 Resp: 1718225
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.6 12.4 18.6





#73
 Carbazole
 Concen: 44.302 ng
 RT: 11.486 min Scan# 1598
 Delta R.T. 0.000 min
 Lab File: BF133181.D
 Acq: 02 May 2023 10:56

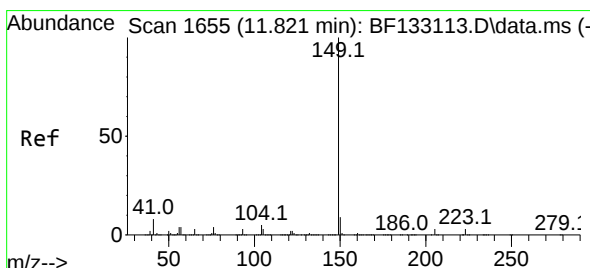
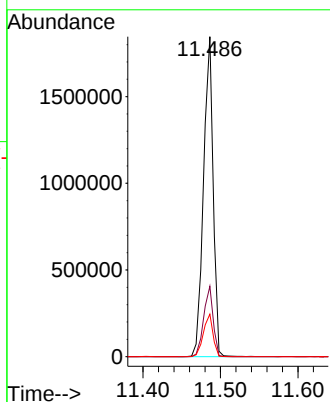
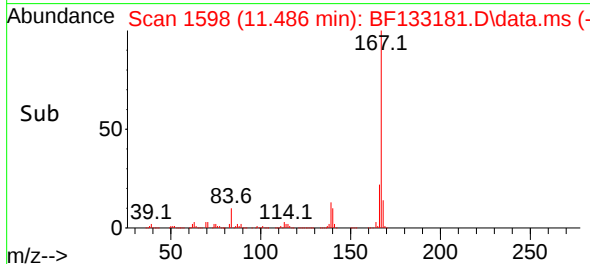
Instrument :
 BNA_F
 ClientSampleId :
 PB152505BS



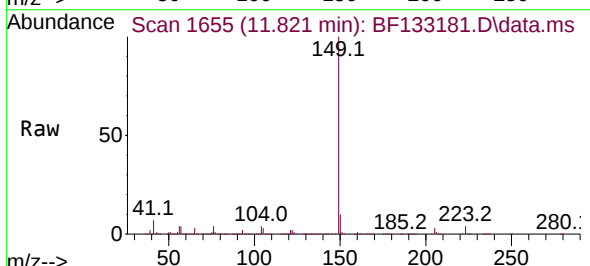
Tgt Ion:167 Resp: 1594164
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.4 26.0
 139 13.3 10.6 16.0

Manual Integrations
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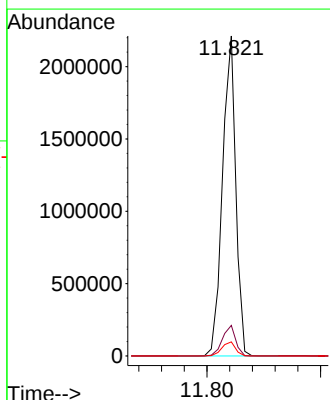
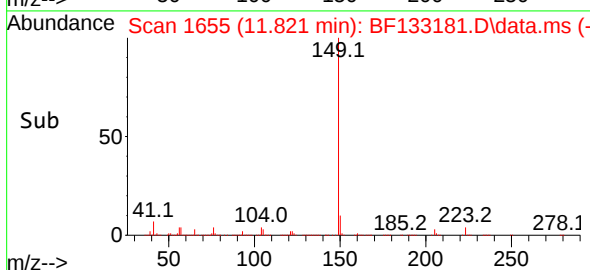
Reviewed By :Christian Giraldo 05/03/2023
 Supervised By :Jagrut Upadhyay 05/03/2023

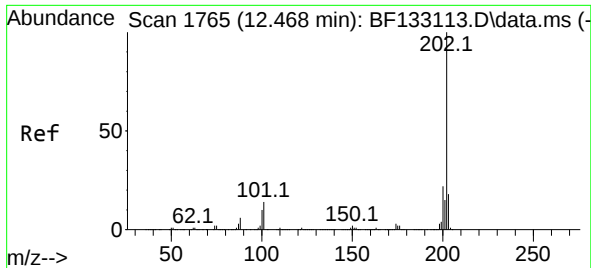


#74
 Di-n-butylphthalate
 Concen: 44.238 ng
 RT: 11.821 min Scan# 1655
 Delta R.T. 0.000 min
 Lab File: BF133181.D
 Acq: 02 May 2023 10:56



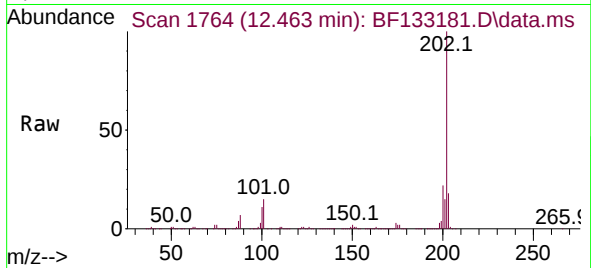
Tgt Ion:149 Resp: 1801414
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.6 11.4
 104 4.4 4.0 6.0





#75
Fluoranthene
Concen: 43.043 ng
RT: 12.463 min Scan# 1764
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

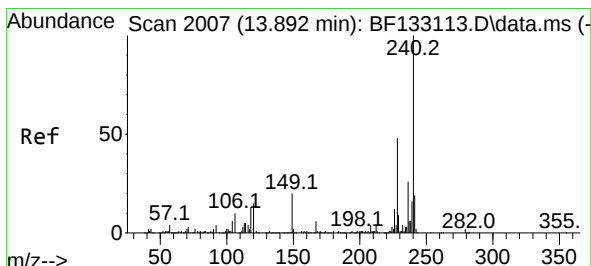
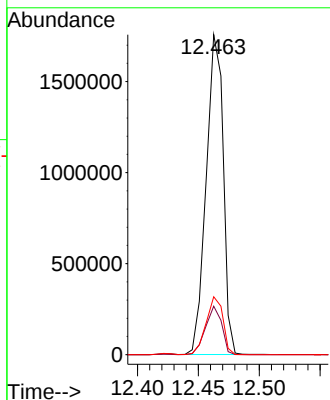
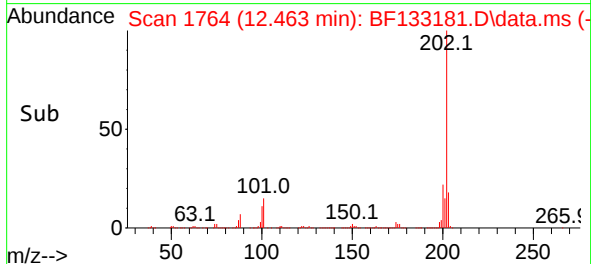
Instrument :
BNA_F
ClientSampleId :
PB152505BS



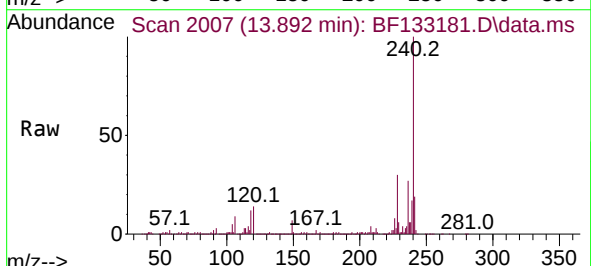
Tgt Ion:202 Resp: 170581
Ion Ratio Lower Upper
202 100
101 15.2 0.0 35.3
203 18.1 0.0 38.1

Manual Integrations
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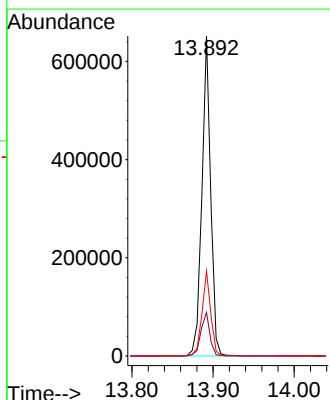
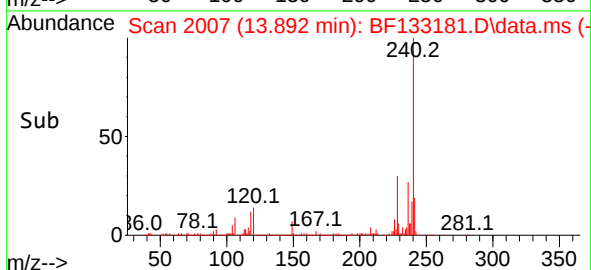
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

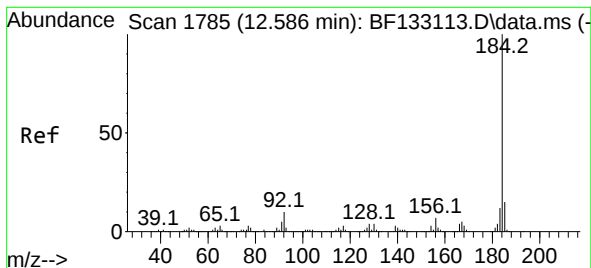


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.892 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56



Tgt Ion:240 Resp: 488477
Ion Ratio Lower Upper
240 100
120 13.6 10.5 15.7
236 26.6 21.5 32.3





#77

Benzidine

Concen: 132.325 ng

RT: 12.586 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133181.D

Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

PB152505BS

Tgt Ion:184 Resp: 1093054

Ion Ratio Lower Upper

184 100

185 14.9 15.4 23.2

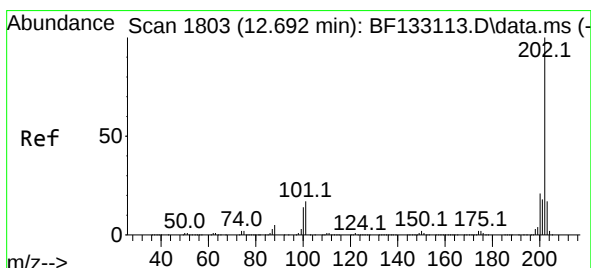
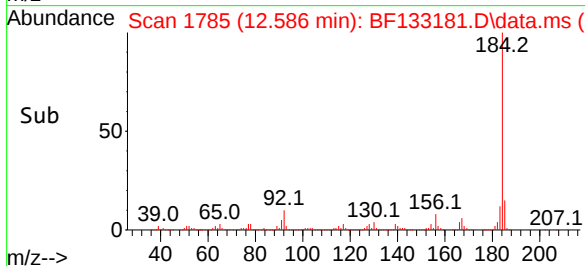
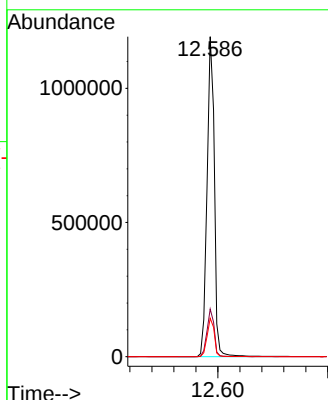
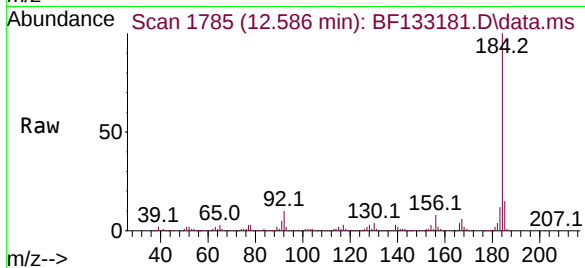
183 12.0 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023

Supervised By :Jagrut Upadhyay 05/03/2023



#78

Pyrene

Concen: 42.167 ng

RT: 12.692 min Scan# 1803

Delta R.T. 0.000 min

Lab File: BF133181.D

Acq: 02 May 2023 10:56

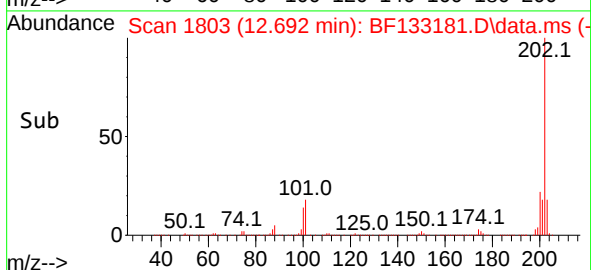
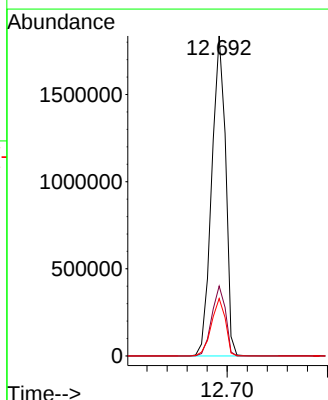
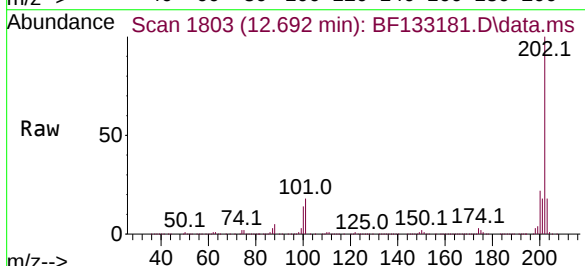
Tgt Ion:202 Resp: 1765682

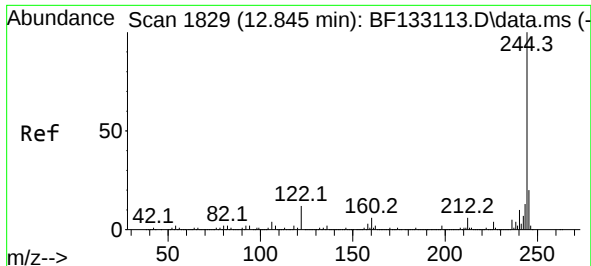
Ion Ratio Lower Upper

202 100

200 21.9 17.1 25.7

203 18.0 14.1 21.1





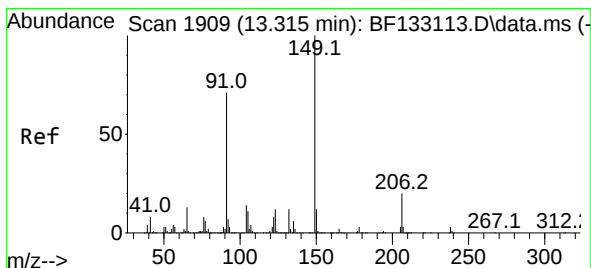
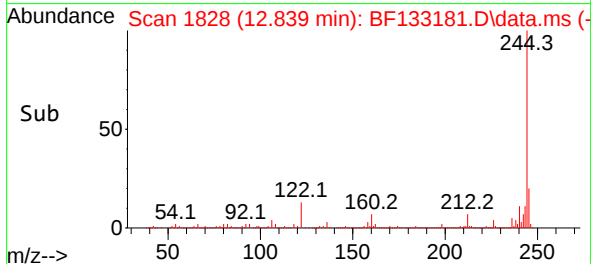
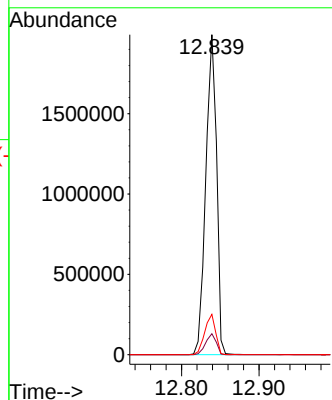
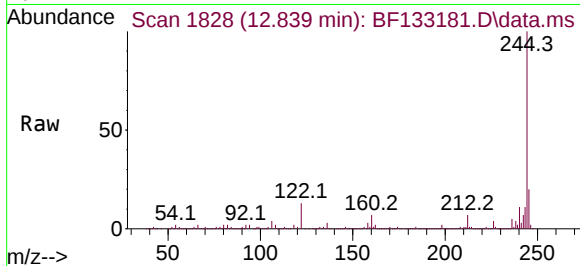
#79
Terphenyl-d14
Concen: 67.886 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Instrument :
BNA_F
ClientSampleId :
PB152505BS

Tgt Ion:244 Resp: 192273
Ion Ratio Lower Upper
244 100
212 6.5 5.1 7.7
122 12.6 8.6 13.0

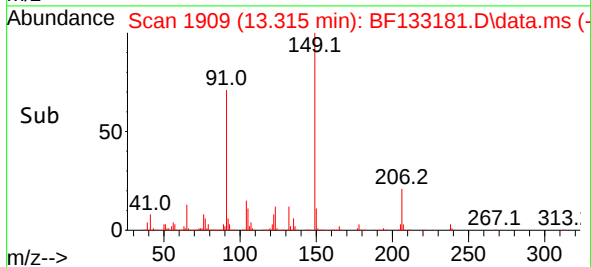
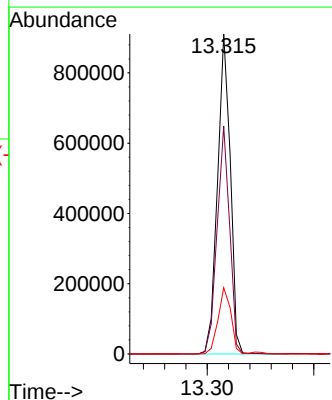
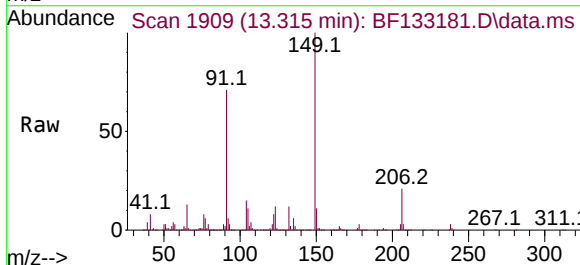
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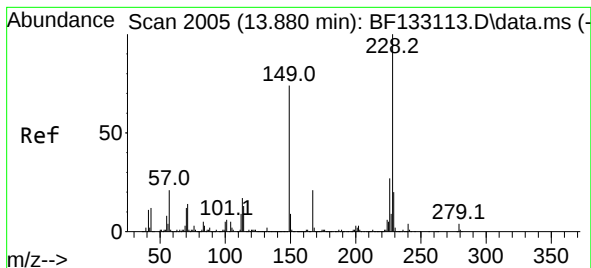
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#80
Butylbenzylphthalate
Concen: 50.856 ng
RT: 13.315 min Scan# 1909
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Tgt Ion:149 Resp: 754005
Ion Ratio Lower Upper
149 100
91 71.2 53.8 80.6
206 20.7 17.5 26.3





#81

Benzo(a)anthracene

Concen: 41.188 ng

RT: 13.880 min Scan# 2005

Delta R.T. 0.000 min

Lab File: BF133181.D

Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

PB152505BS

Tgt Ion:228 Resp: 138353

Ion Ratio Lower Upper

228 100

226 27.4 22.2 33.4

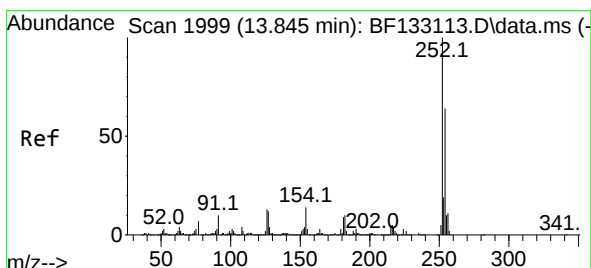
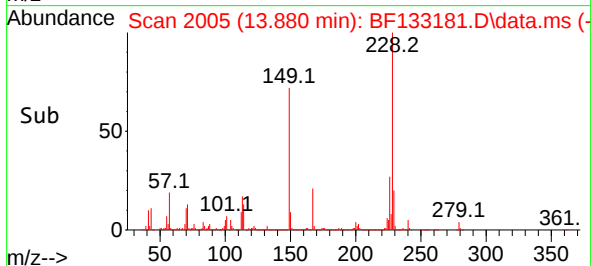
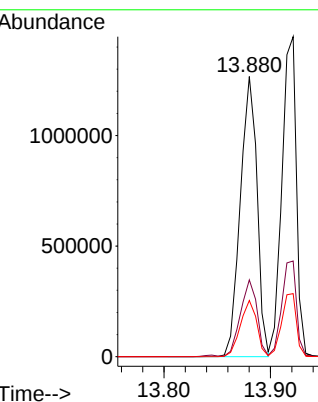
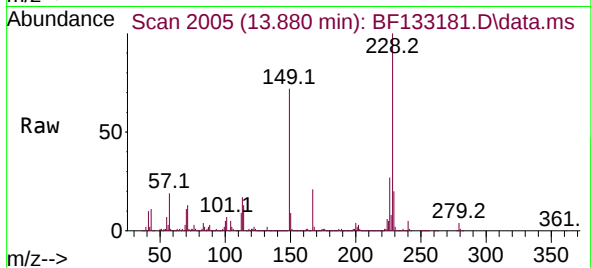
229 20.1 16.0 24.0

Manual Integrations

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Reviewed By :Christian Giraldo 05/03/2023

Supervised By :Jagrut Upadhyay 05/03/2023



#82

3,3'-Dichlorobenzidine

Concen: 39.075 ng

RT: 13.845 min Scan# 1999

Delta R.T. 0.000 min

Lab File: BF133181.D

Acq: 02 May 2023 10:56

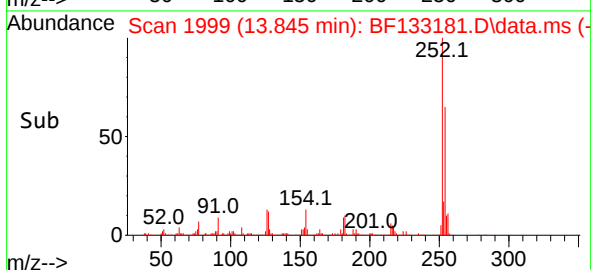
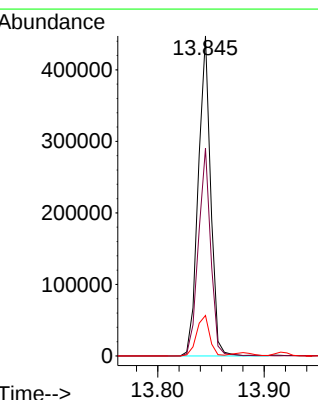
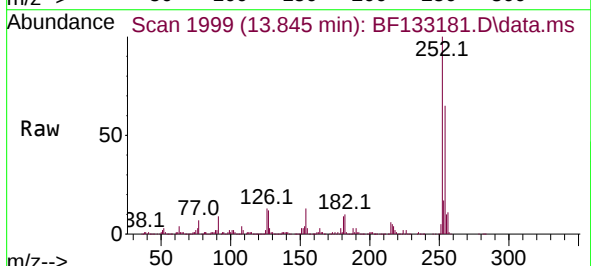
Tgt Ion:252 Resp: 362595

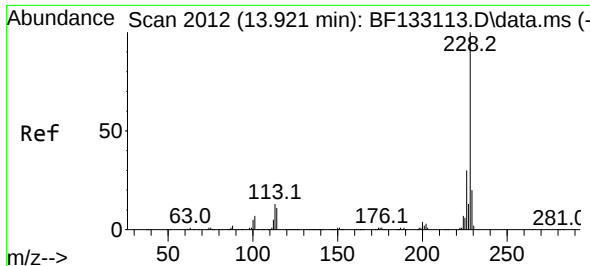
Ion Ratio Lower Upper

252 100

254 64.9 51.5 77.3

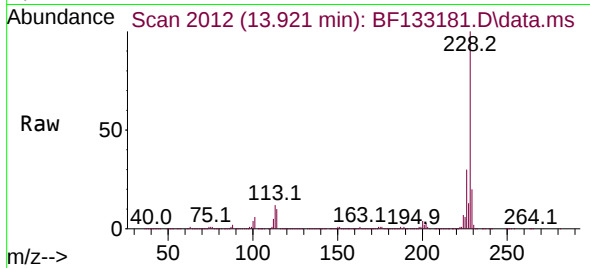
126 12.7 9.5 14.3





#83
Chrysene
Concen: 40.951 ng
RT: 13.921 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

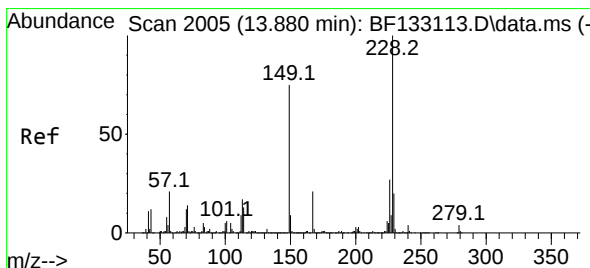
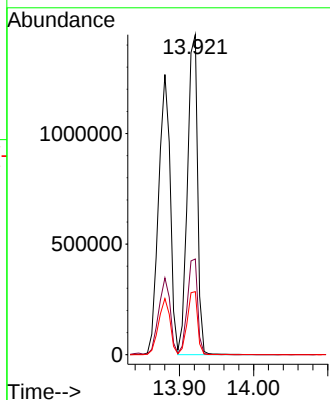
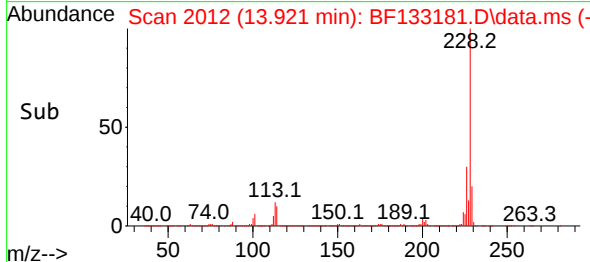
Instrument :
BNA_F
ClientSampleId :
PB152505BS



Tgt Ion:228 Resp: 137524
Ion Ratio Lower Upper
228 100
226 29.9 24.7 37.1
229 19.7 16.1 24.1

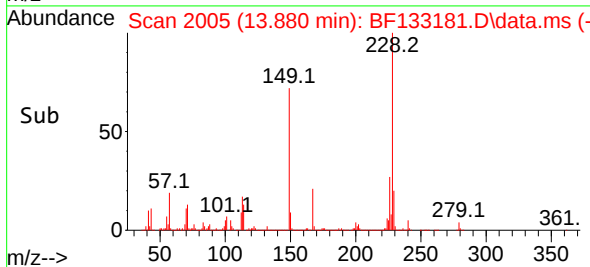
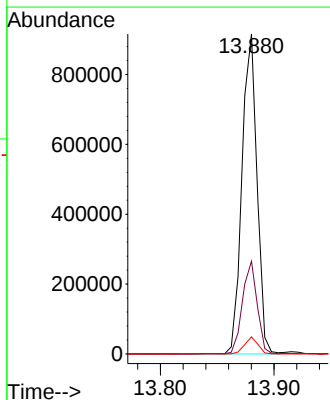
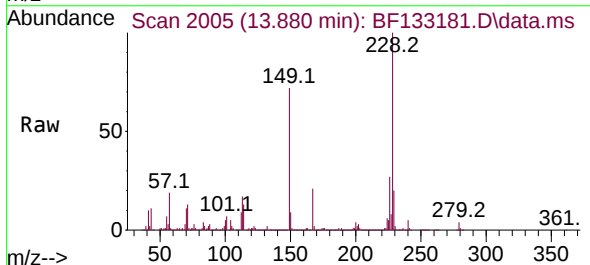
Manual Integrations
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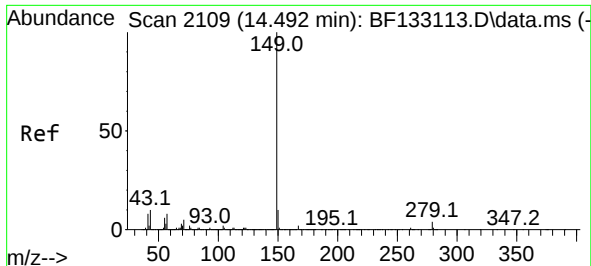
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 45.325 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

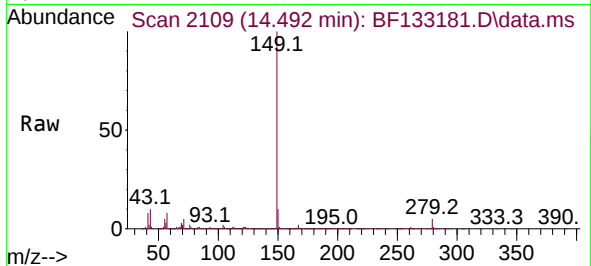
Tgt Ion:149 Resp: 843501
Ion Ratio Lower Upper
149 100
167 29.0 22.5 33.7
279 5.3 4.2 6.4





#85
Di-n-octyl phthalate
Concen: 48.633 ng
RT: 14.492 min Scan# 2109
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

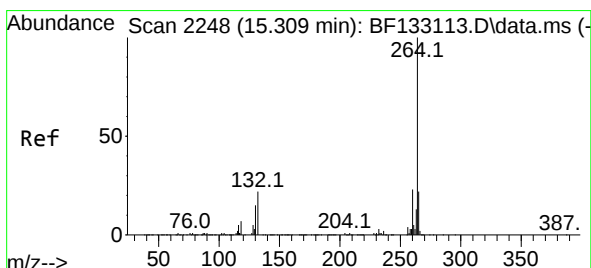
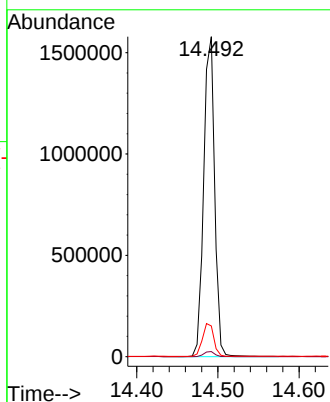
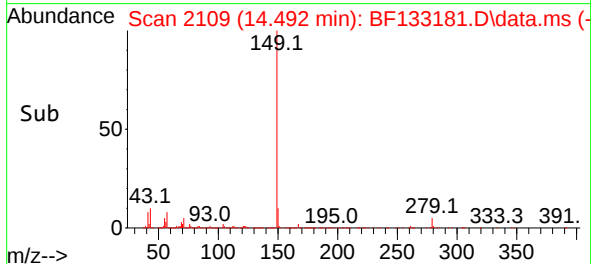
Instrument :
BNA_F
ClientSampleId :
PB152505BS



Tgt Ion:149 Resp: 1475734
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.7 9.5 14.3

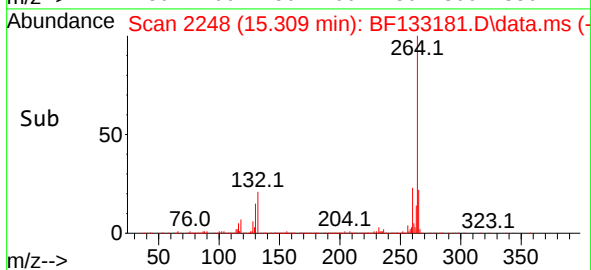
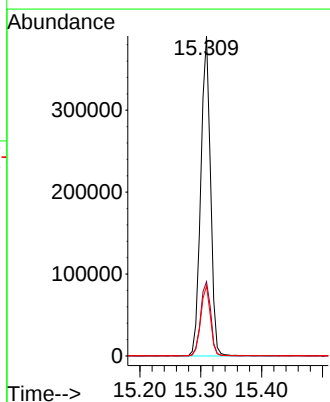
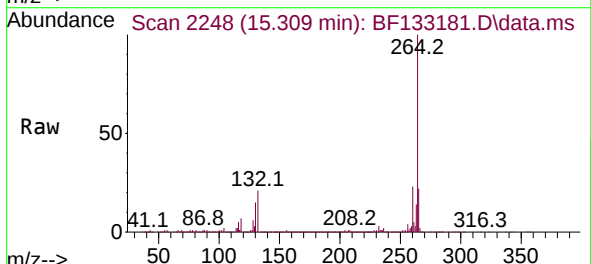
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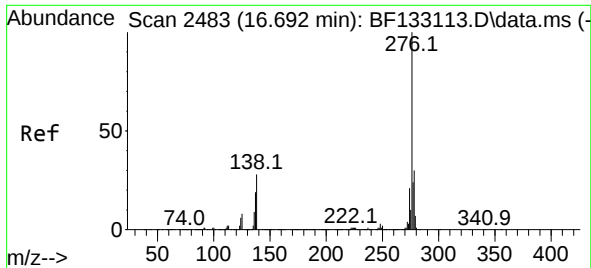
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.309 min Scan# 2248
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Tgt Ion:264 Resp: 431916
Ion Ratio Lower Upper
264 100
260 23.2 18.8 28.2
265 21.9 17.0 25.4





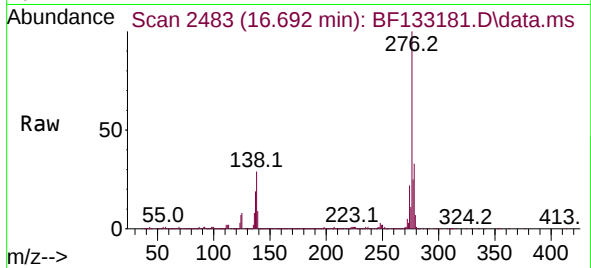
#87
Indeno(1,2,3-cd)pyrene
Concen: 48.687 ng
RT: 16.692 min Scan# 2483
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

PB152505BS

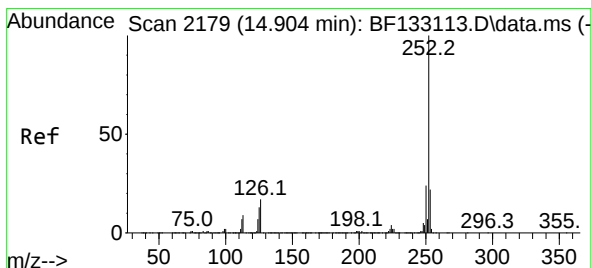
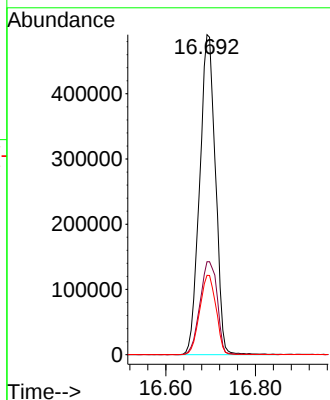
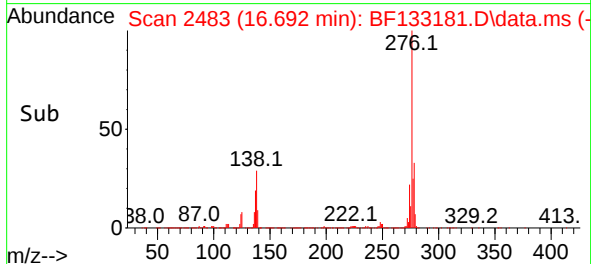


Tgt Ion:276 Resp: 1196159
Ion Ratio Lower Upper
276 100
138 31.6 25.5 38.3
277 25.6 20.4 30.6

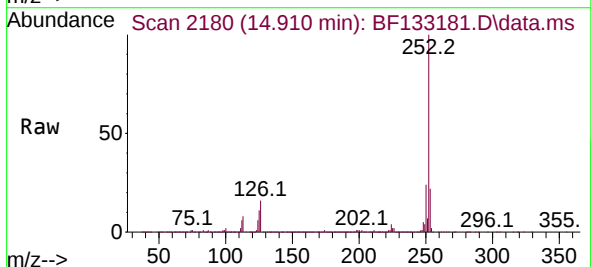
Manual Integrations

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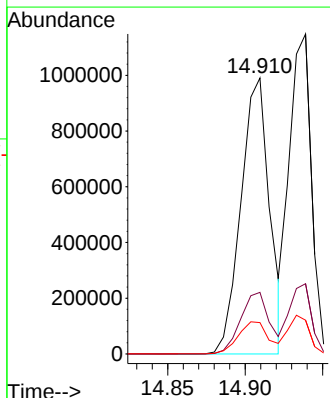
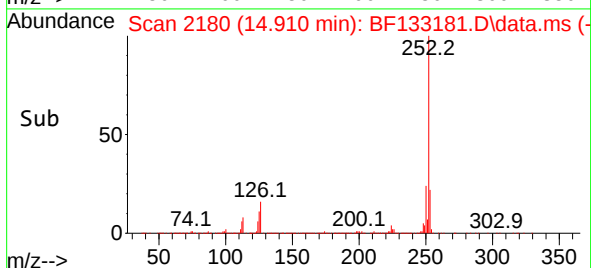
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

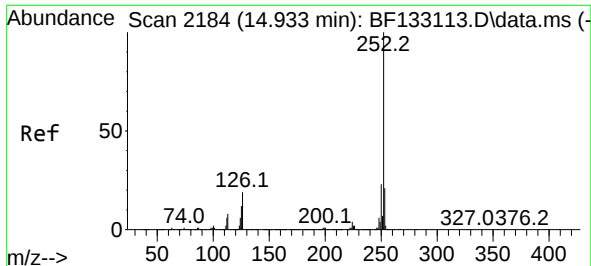


#88
Benzo(b)fluoranthene
Concen: 46.276 ng
RT: 14.910 min Scan# 2180
Delta R.T. 0.006 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56



Tgt Ion:252 Resp: 1271581
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 11.3 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 42.043 ng

RT: 14.939 min Scan# 2184

Delta R.T. 0.006 min

Lab File: BF133181.D

Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

PB152505BS

Tgt Ion:252 Resp: 114520

Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

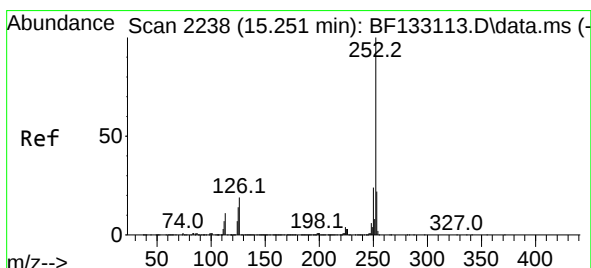
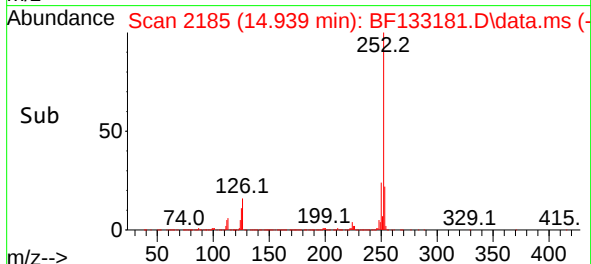
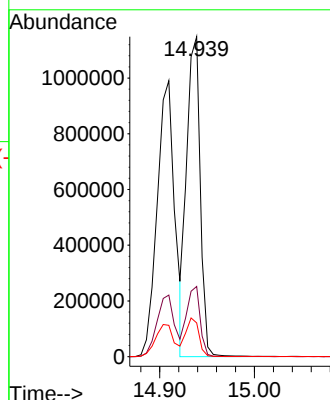
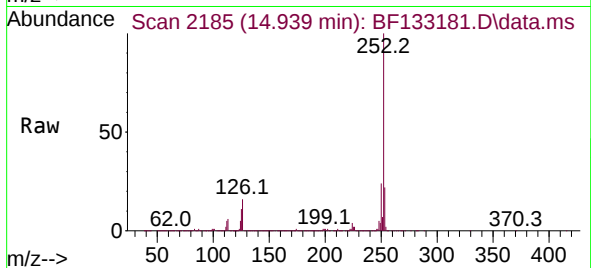
125 10.6 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023

Supervised By :Jagrut Upadhyay 05/03/2023



#90

Benzo(a)pyrene

Concen: 42.025 ng

RT: 15.251 min Scan# 2238

Delta R.T. 0.000 min

Lab File: BF133181.D

Acq: 02 May 2023 10:56

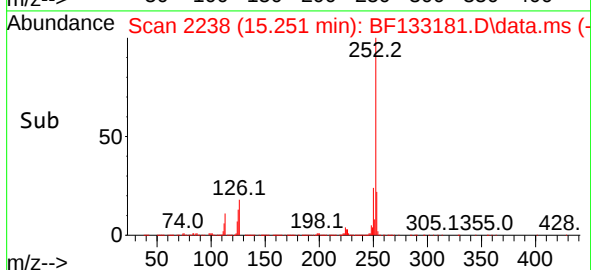
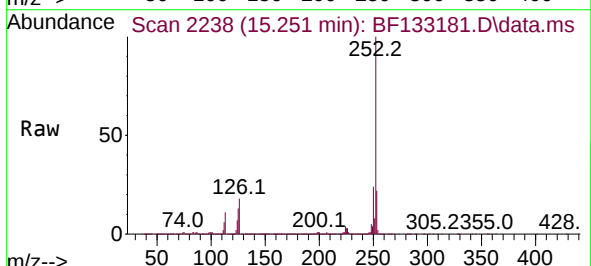
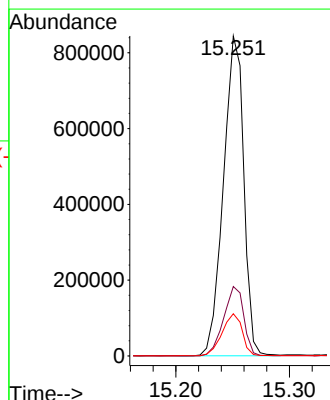
Tgt Ion:252 Resp: 1051080

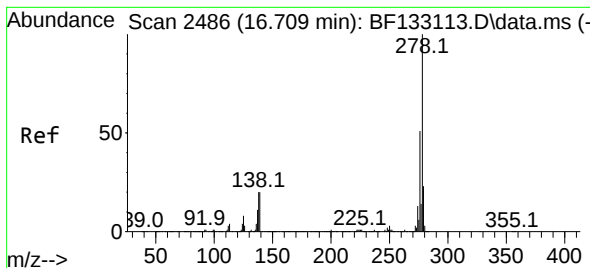
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 13.2 10.5 15.7





#91
Dibenzo(a,h)anthracene
Concen: 48.818 ng
RT: 16.709 min Scan# 2486
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Instrument :

BNA_F

ClientSampleId :

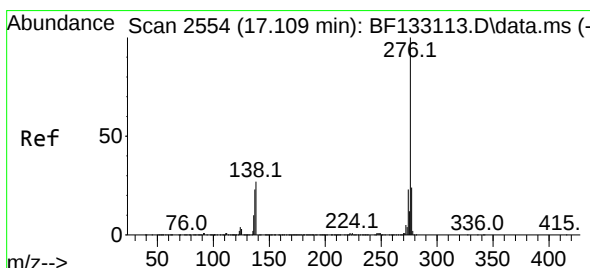
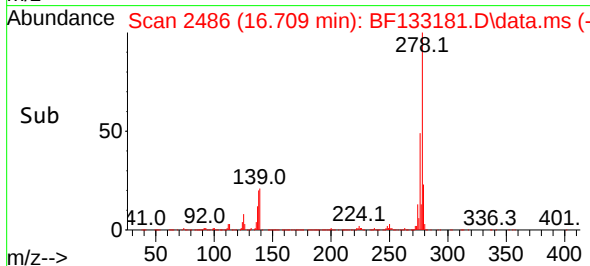
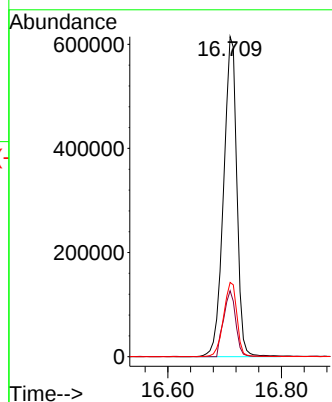
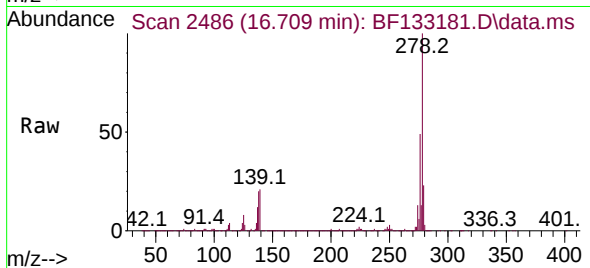
PB152505BS

Tgt Ion:278 Resp: 1000339
Ion Ratio Lower Upper
278 100
139 20.6 16.6 24.8
279 23.2 18.8 28.2

Manual Integrations

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Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#92
Benzo(g,h,i)perylene
Concen: 48.853 ng
RT: 17.109 min Scan# 2554
Delta R.T. 0.000 min
Lab File: BF133181.D
Acq: 02 May 2023 10:56

Tgt Ion:276 Resp: 988299
Ion Ratio Lower Upper
276 100
277 24.8 19.4 29.0
138 28.4 22.7 34.1

