

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031023\
 Data File : BF132749.D
 Acq On : 10 Mar 2023 19:15
 Operator : CG\JU
 Sample : 01846-04MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MSD

Quant Time: Mar 11 03:05:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 09 16:26:19 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/13/2023
 Supervised By : Jagrut Upadhyay 03/13/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.981	152	224597	20.000	ng	0.00
21) Naphthalene-d8	8.269	136	885448	20.000	ng	0.00
39) Acenaphthene-d10	10.027	164	457137	20.000	ng	0.00
64) Phenanthrene-d10	11.527	188	716753	20.000	ng	0.00
76) Chrysene-d12	14.186	240	380204	20.000	ng	# 0.00
86) Perylene-d12	15.727	264	501143	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.622	112	1365281	98.657	ng	0.01
7) Phenol-d6	6.616	99	1751299	96.968	ng	0.00
23) Nitrobenzene-d5	7.551	82	1178528	63.148	ng	0.00
42) 2,4,6-Tribromophenol	10.827	330	434656	88.043	ng	0.00
45) 2-Fluorobiphenyl	9.345	172	1825882	60.818	ng	0.00
79) Terphenyl-d14	13.110	244	1537795	68.385	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.910	88	310863	40.610	ng	95
3) Pyridine	3.669	79	785884	38.677	ng	94
4) n-Nitrosodimethylamine	3.640	42	313568	40.855	ng	85
6) Aniline	6.645	93	758986	31.227	ng	96
8) 2-Chlorophenol	6.769	128	672012	46.789	ng	96
9) Benzaldehyde	6.534	77	326714	33.525	ng	95
10) Phenol	6.628	94	887107	42.843	ng	100
11) bis(2-Chloroethyl)ether	6.710	93	723310	45.250	ng	96
12) 1,3-Dichlorobenzene	6.922	146	696538	45.191	ng	99
13) 1,4-Dichlorobenzene	6.998	146	686691	44.619	ng	99
14) 1,2-Dichlorobenzene	7.151	146	675512	45.735	ng	99
15) Benzyl Alcohol	7.128	79	623627	44.835	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.251	45	895147	43.915	ng	94
17) 2-Methylphenol	7.233	107	580428	43.301	ng	98
18) Hexachloroethane	7.492	117	283588	47.165	ng	95
19) n-Nitroso-di-n-propyla...	7.398	70	450736	40.551	ng	90
20) 3+4-Methylphenols	7.386	107	641754	37.058	ng	95
22) Acetophenone	7.392	105	875694	39.221	ng	# 91
24) Nitrobenzene	7.569	77	786760	39.417	ng	99
25) Isophorone	7.804	82	1432780	40.043	ng	100
26) 2-Nitrophenol	7.880	139	394865	44.838	ng	99
27) 2,4-Dimethylphenol	7.916	122	609055	43.819	ng	98
28) bis(2-Chloroethoxy)met...	8.010	93	902755	43.129	ng	100
29) 2,4-Dichlorophenol	8.128	162	594749	43.016	ng	99
30) 1,2,4-Trichlorobenzene	8.204	180	659147	43.904	ng	99
31) Naphthalene	8.292	128	2091736	46.145	ng	99
32) Benzoic acid	8.045	122	409048m	38.198	ng	
33) 4-Chloroaniline	8.333	127	238585	12.283	ng	94
34) Hexachlorobutadiene	8.398	225	425280	44.577	ng	99
35) Caprolactam	8.727	113	202366m	44.396	ng	
36) 4-Chloro-3-methylphenol	8.827	107	632310	41.643	ng	93
37) 2-Methylnaphthalene	8.980	142	1344780	43.532	ng	99
38) 1-Methylnaphthalene	9.080	142	1209959	41.912	ng	100
40) 1,2,4,5-Tetrachloroben...	9.151	216	666195	44.542	ng	99
41) Hexachlorocyclopentadiene	9.133	237	535561	66.019	ng	99
43) 2,4,6-Trichlorophenol	9.263	196	444232	43.828	ng	99

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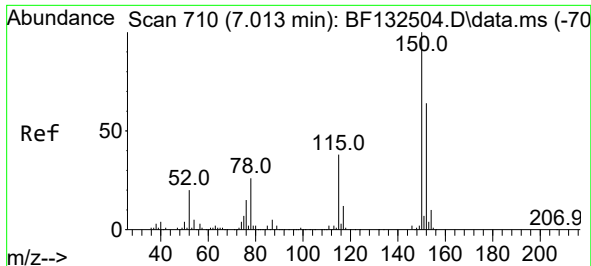
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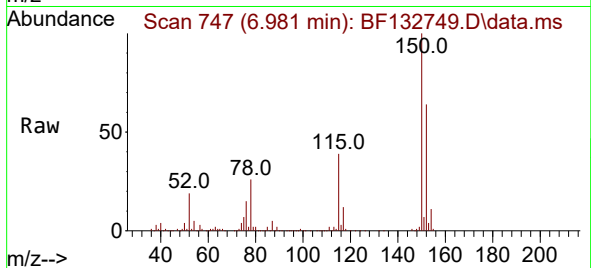
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.310	196	466675	39.448	ng	100
46) 1,1'-Biphenyl	9.445	154	1502965	43.438	ng	99
47) 2-Chloronaphthalene	9.475	162	1191021	43.417	ng	99
48) 2-Nitroaniline	9.575	65	383126	37.920	ng	85
49) Acenaphthylene	9.892	152	1752527	40.141	ng	100
50) Dimethylphthalate	9.745	163	1455075	43.715	ng	100
51) 2,6-Dinitrotoluene	9.816	165	312126	41.176	ng	# 86
52) Acenaphthene	10.069	154	1408356m	50.801	ng	
53) 3-Nitroaniline	9.986	138	215738	25.442	ng	93
54) 2,4-Dinitrophenol	10.098	184	271832	57.438	ng	93
55) Dibenzofuran	10.239	168	1896066	46.914	ng	98
56) 4-Nitrophenol	10.151	139	391680	61.937	ng	98
57) 2,4-Dinitrotoluene	10.222	165	383055	37.984	ng	95
58) Fluorene	10.580	166	1472036	47.617	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.357	232	354926	40.389	ng	97
60) Diethylphthalate	10.445	149	1301432	40.034	ng	99
61) 4-Chlorophenyl-phenyle...	10.569	204	637812	39.770	ng	96
62) 4-Nitroaniline	10.604	138	262718	31.563	ng	97
63) Azobenzene	10.727	77	1303474	37.861	ng	98
65) 4,6-Dinitro-2-methylph...	10.633	198	192162	39.604	ng	97
66) n-Nitrosodiphenylamine	10.692	169	1058863	47.386	ng	100
67) 4-Bromophenyl-phenylether	11.063	248	395617	48.796	ng	97
68) Hexachlorobenzene	11.133	284	411770	48.267	ng	99
69) Atrazine	11.216	200	342779	49.137	ng	98
70) Pentachlorophenol	11.333	266	342478	67.474	ng	99
71) Phenanthrene	11.563	178	4177386	112.503	ng	98
72) Anthracene	11.610	178	2366398	61.888	ng	99
73) Carbazole	11.763	167	1626005	47.166	ng	99
74) Di-n-butylphthalate	12.074	149	1771033	43.795	ng	100
75) Fluoranthene	12.757	202	3922916	96.642	ng	97
77) Benzidine	12.868	184	596495	64.449	ng	99
78) Pyrene	12.986	202	3468420	100.338	ng	99
80) Butylbenzylphthalate	13.586	149	609733	44.699	ng	95
81) Benzo(a)anthracene	14.180	228	2303247	80.964	ng	96
82) 3,3'-Dichlorobenzidine	14.133	252	278900	33.254	ng	98
83) Chrysene	14.215	228	2054744	77.240	ng	99
84) Bis(2-ethylhexyl)phtha...	14.139	149	817221	48.768	ng	100
85) Di-n-octyl phthalate	14.768	149	1463695	59.773	ng	97
87) Indeno(1,2,3-cd)pyrene	17.333	276	1578977	48.085	ng	98
88) Benzo(b)fluoranthene	15.274	252	2440708	72.674	ng	98
89) Benzo(k)fluoranthene	15.304	252	1583352	48.172	ng	98
90) Benzo(a)pyrene	15.668	252	1911068	60.800	ng	97
91) Dibenzo(a,h)anthracene	17.345	278	1127129	42.128	ng	97
92) Benzo(g,h,i)perylene	17.815	276	1227683	40.853	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.981 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

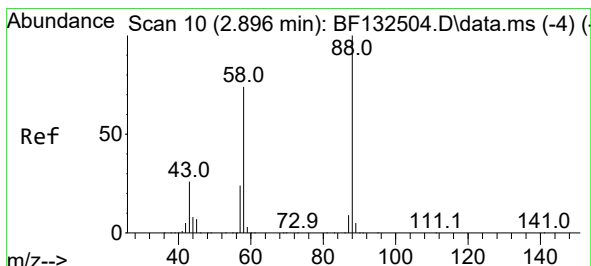
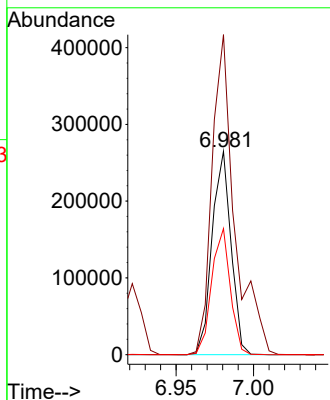
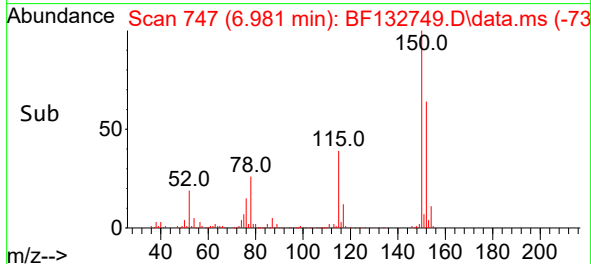
Instrument :
BNA_F
ClientSampleId :
TP-4MSD



Tgt Ion:152 Resp: 22459
Ion Ratio Lower Upper
152 100
150 157.4 125.4 188.2
115 62.0 47.8 71.6

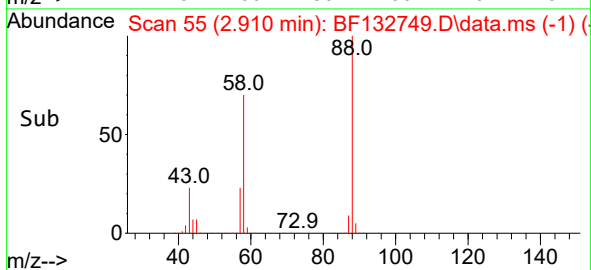
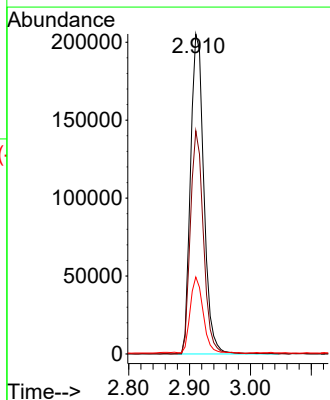
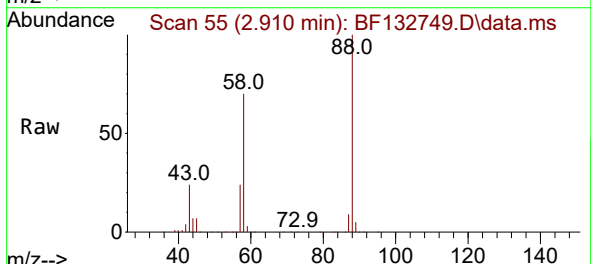
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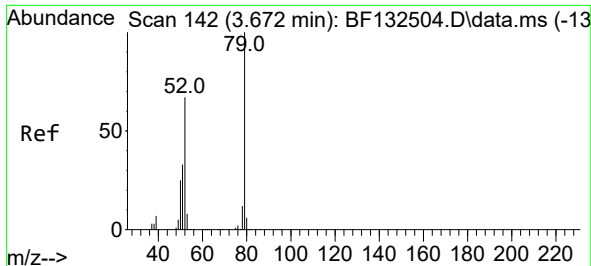
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#2
1,4-Dioxane
Concen: 40.610 ng
RT: 2.910 min Scan# 55
Delta R.T. 0.071 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

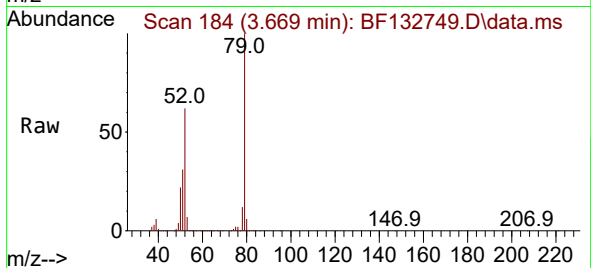
Tgt Ion: 88 Resp: 310863
Ion Ratio Lower Upper
88 100
58 68.5 58.3 87.5
43 23.5 20.7 31.1





#3
Pyridine
Concen: 38.677 ng
RT: 3.669 min Scan# 11
Delta R.T. 0.047 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

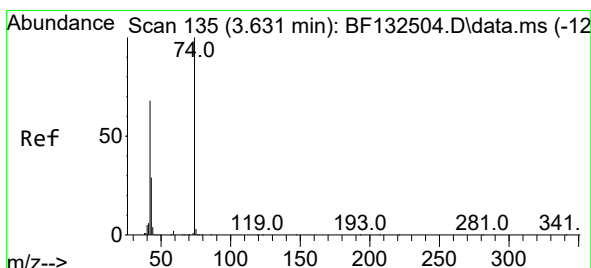
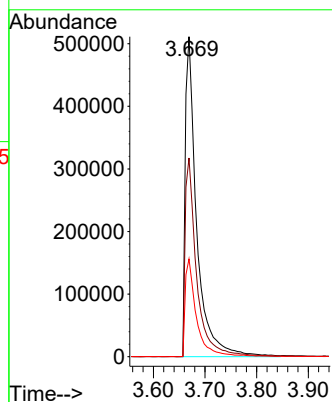
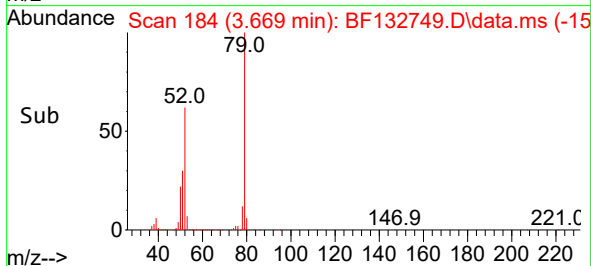
Instrument :
BNA_F
ClientSampleId :
TP-4MSD



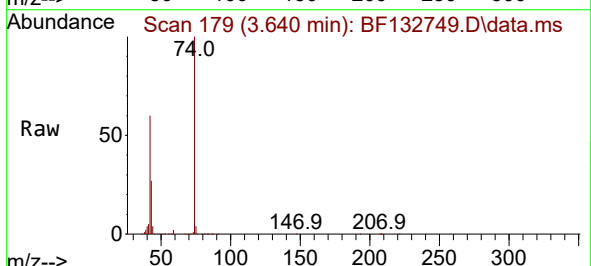
Tgt Ion: 79 Resp: 785884
Ion Ratio Lower Upper
79 100
52 62.1 53.7 80.5
51 30.5 26.6 40.0

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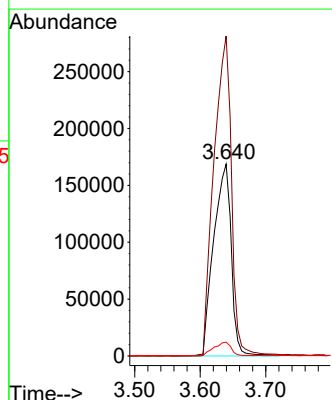
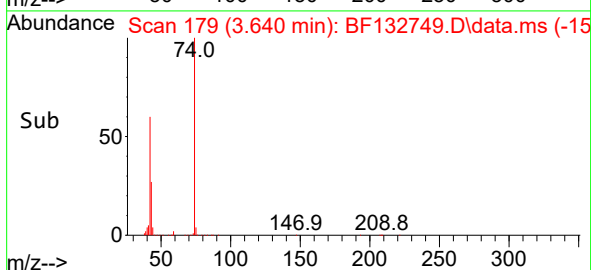
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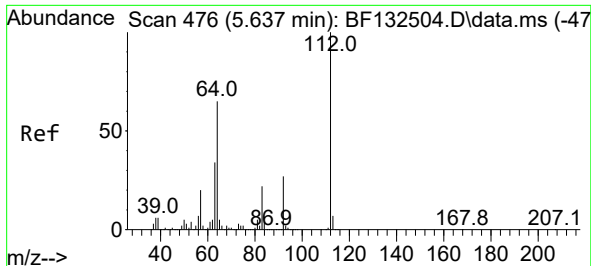


#4
n-Nitrosodimethylamine
Concen: 40.855 ng
RT: 3.640 min Scan# 179
Delta R.T. 0.053 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15



Tgt Ion: 42 Resp: 313568
Ion Ratio Lower Upper
42 100
74 166.8 118.2 177.2
44 7.2 5.3 7.9





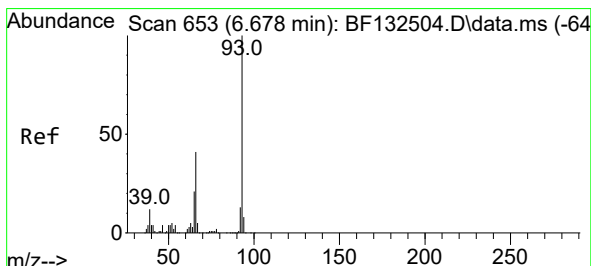
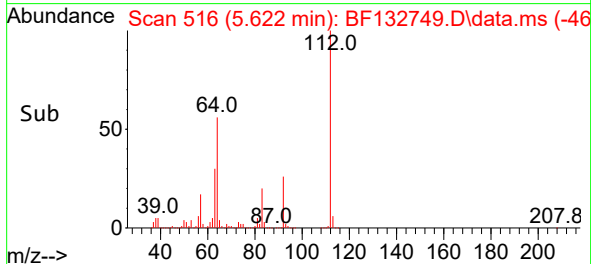
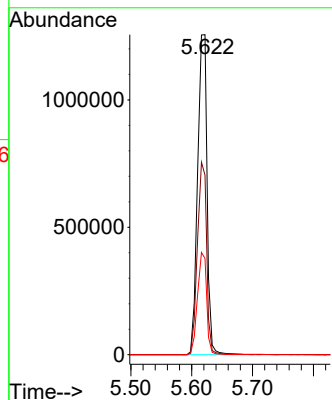
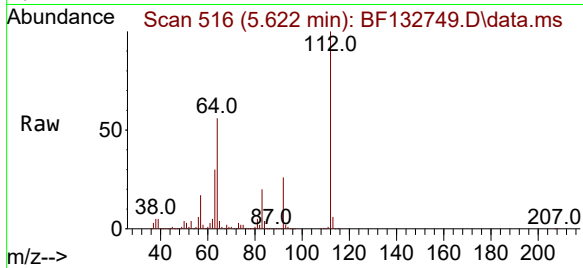
#5
2-Fluorophenol
Concen: 98.657 ng
RT: 5.622 min Scan# 516
Delta R.T. 0.012 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tgt Ion:112 Resp: 136528
Ion Ratio Lower Upper
112 100
64 56.1 51.6 77.4
63 30.1 27.4 41.2

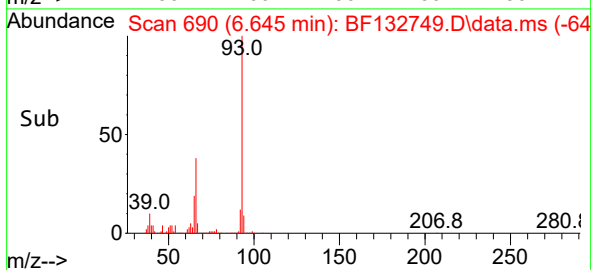
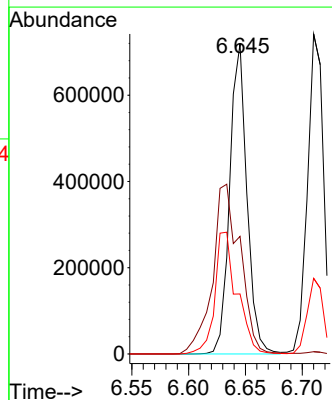
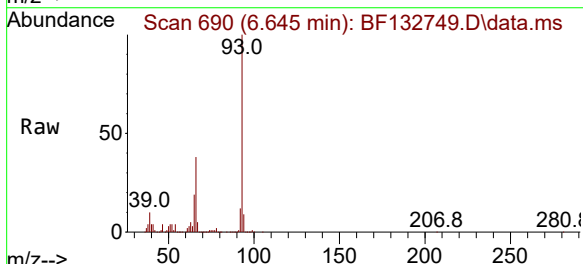
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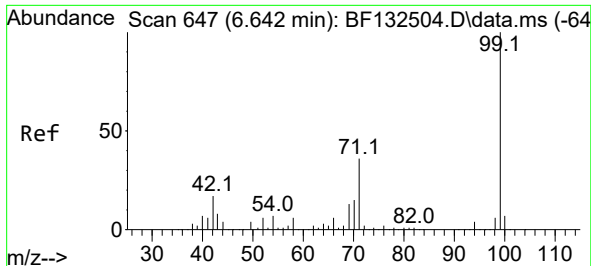
Reviewed By :Christian Giraldo 03/13/2023
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#6
Aniline
Concen: 31.227 ng
RT: 6.645 min Scan# 690
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

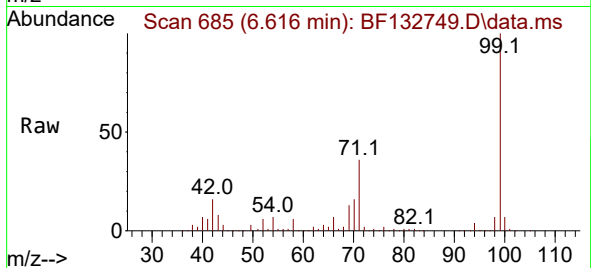
Tgt Ion: 93 Resp: 758986
Ion Ratio Lower Upper
93 100
66 37.9 32.5 48.7
65 19.3 16.6 24.8





#7
Phenol-d6
Concen: 96.968 ng
RT: 6.616 min Scan# 611
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

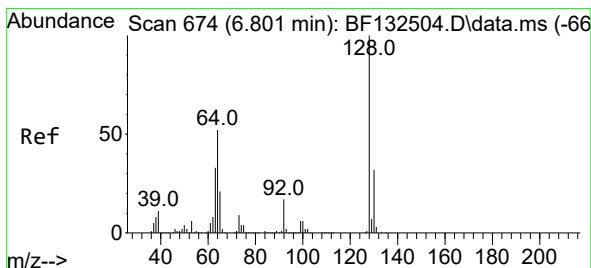
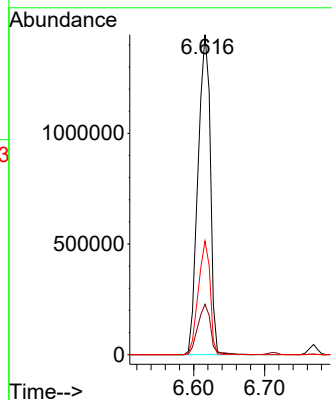
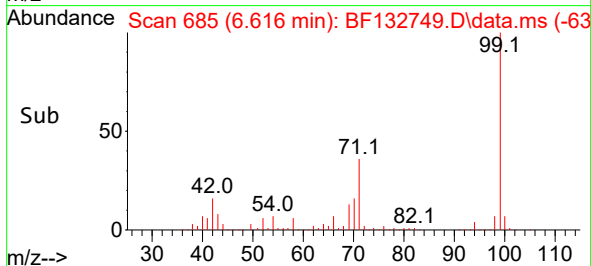
Instrument :
BNA_F
ClientSampleId :
TP-4MSD



Tgt Ion: 99 Resp: 175129
Ion Ratio Lower Upper
99 100
42 15.8 13.9 20.9
71 35.5 28.5 42.7

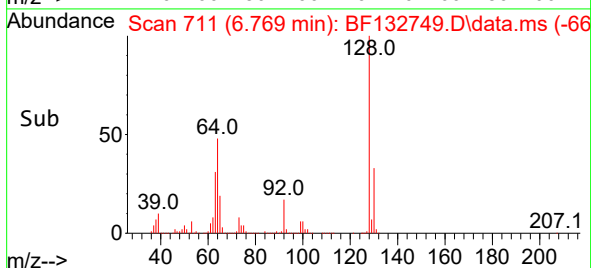
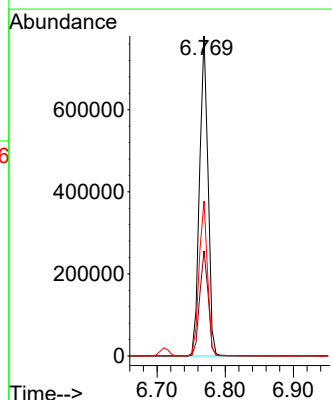
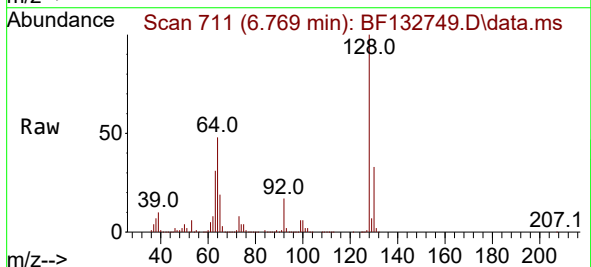
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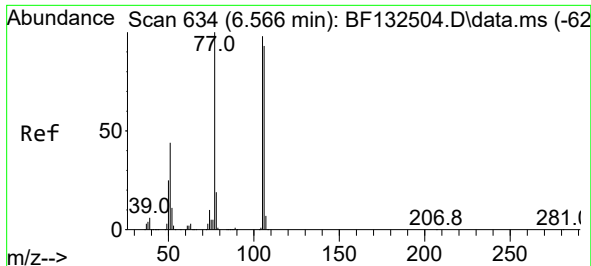
Reviewed By :Christian Giraldo 03/13/2023
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#8
2-Chlorophenol
Concen: 46.789 ng
RT: 6.769 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

Tgt Ion:128 Resp: 672012
Ion Ratio Lower Upper
128 100
130 32.8 12.1 52.1
64 48.4 32.0 72.0





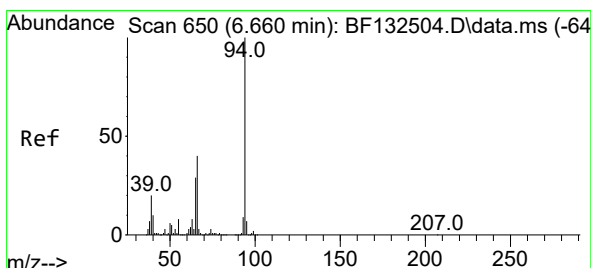
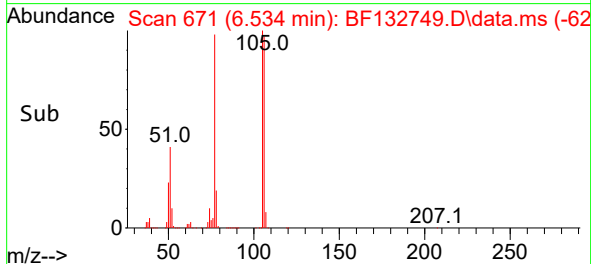
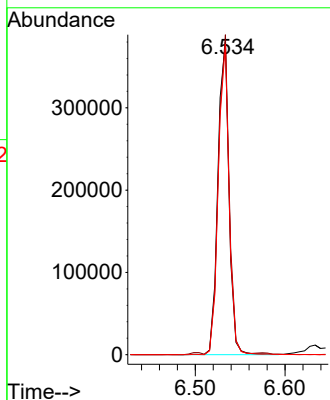
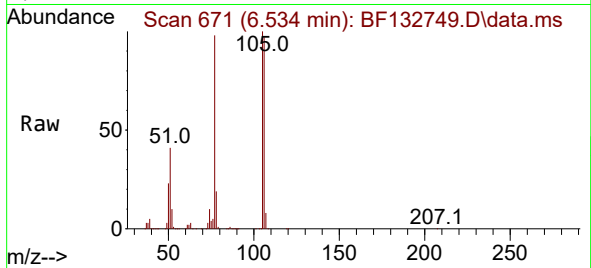
#9
Benzaldehyde
Concen: 33.525 ng
RT: 6.534 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tgt Ion: 77 Resp: 326714
Ion Ratio Lower Upper
77 100
105 102.3 77.9 117.9
106 99.3 73.4 113.4

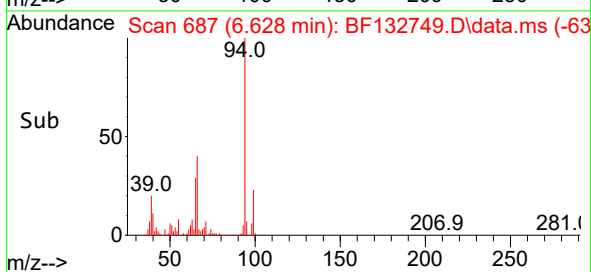
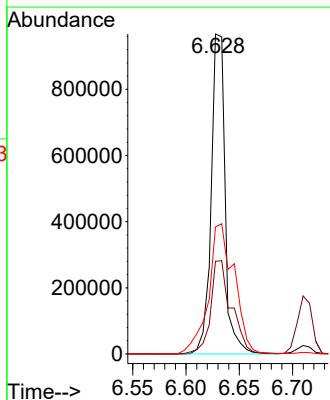
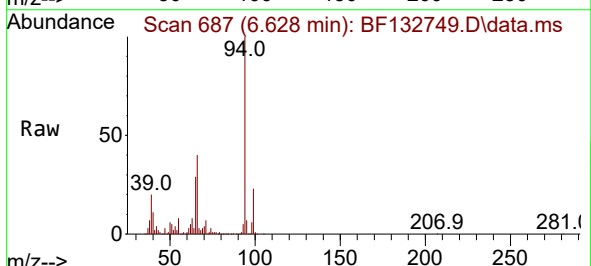
Manual Integrations
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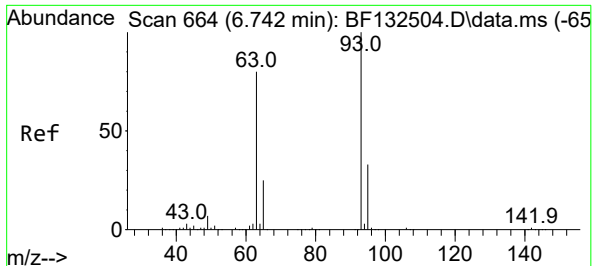
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#10
Phenol
Concen: 42.843 ng
RT: 6.628 min Scan# 687
Delta R.T. -0.012 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

Tgt Ion: 94 Resp: 887107
Ion Ratio Lower Upper
94 100
65 29.0 9.4 49.4
66 39.7 19.8 59.8





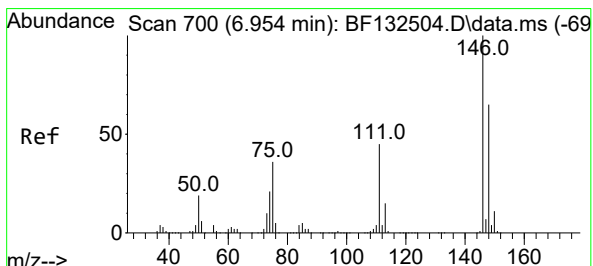
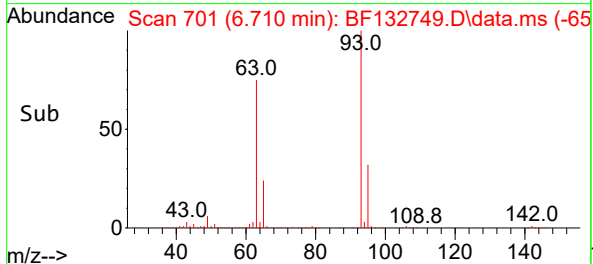
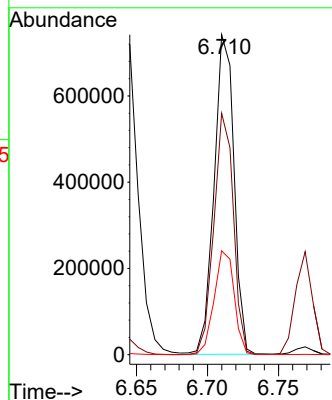
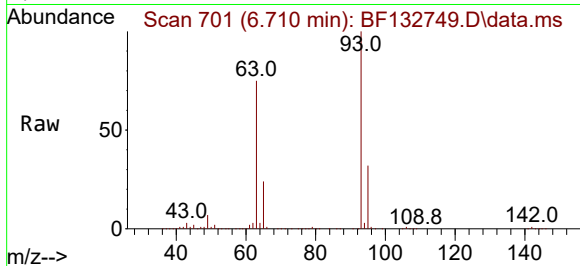
#11
bis(2-Chloroethyl)ether
Concen: 45.250 ng
RT: 6.710 min Scan# 701
Delta R.T. -0.012 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tgt Ion: 93 Resp: 723310
Ion Ratio Lower Upper
93 100
63 75.5 59.6 99.6
95 32.4 12.8 52.8

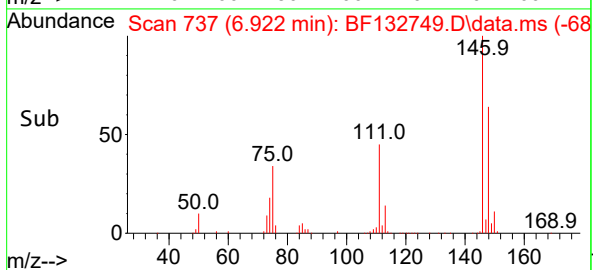
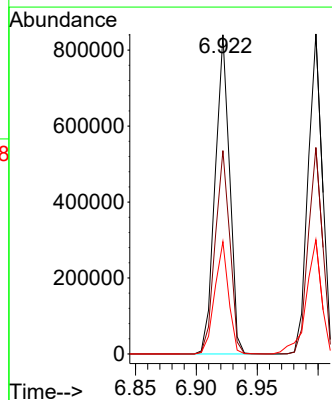
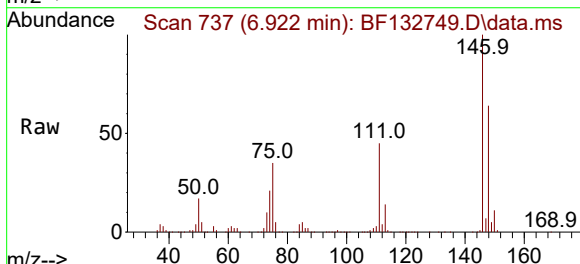
Manual Integrations
APPROVED

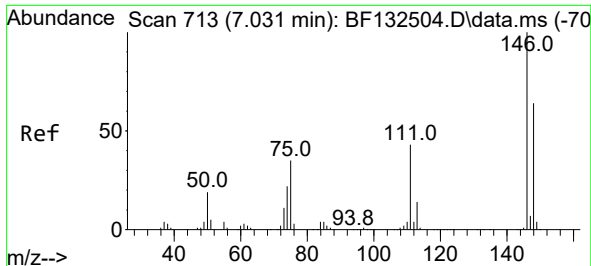
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#12
1,3-Dichlorobenzene
Concen: 45.191 ng
RT: 6.922 min Scan# 737
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

Tgt Ion:146 Resp: 696538
Ion Ratio Lower Upper
146 100
148 63.7 51.9 77.9
75 35.2 28.9 43.3





#13

1,4-Dichlorobenzene

Concen: 44.619 ng

RT: 6.998 min Scan# 713

Delta R.T. -0.000 min

Lab File: BF132749.D

Acq: 10 Mar 2023 19:15

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

Tgt Ion:146 Resp: 68669

Ion Ratio Lower Upper

146 100

148 64.5 51.1 76.7

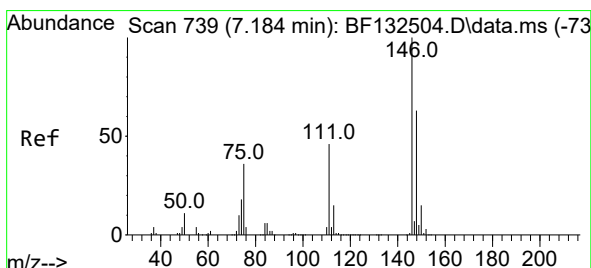
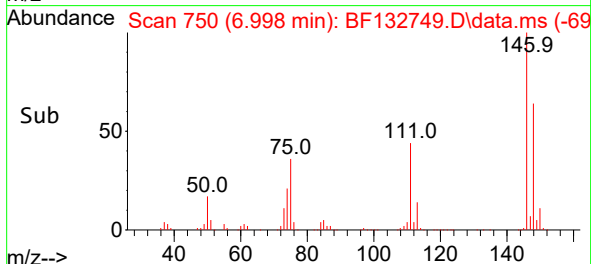
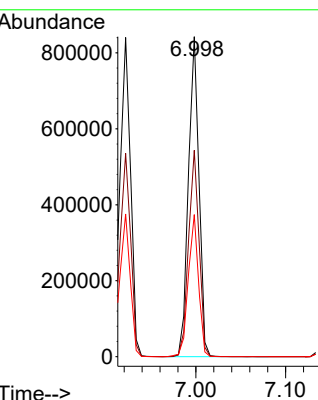
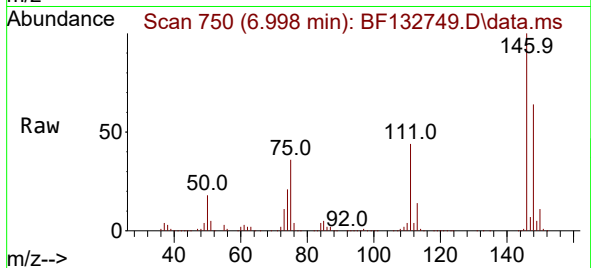
111 44.4 34.8 52.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/13/2023

Supervised By :Jagrut Upadhyay 03/13/2023



#14

1,2-Dichlorobenzene

Concen: 45.735 ng

RT: 7.151 min Scan# 776

Delta R.T. -0.006 min

Lab File: BF132749.D

Acq: 10 Mar 2023 19:15

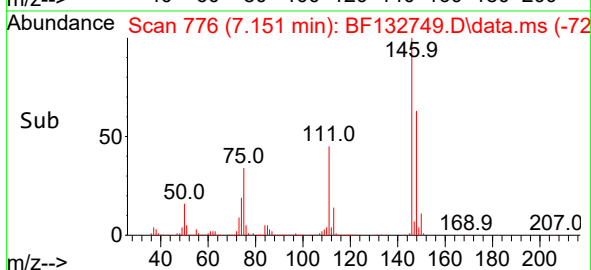
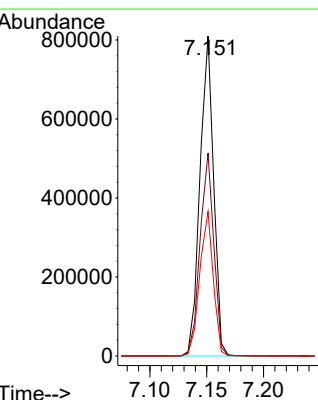
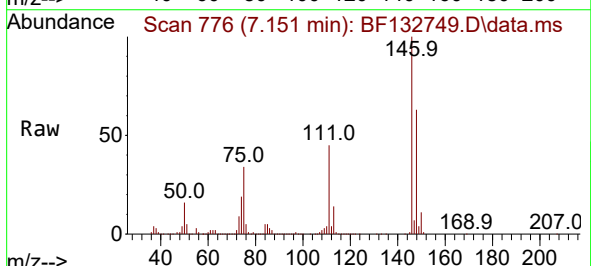
Tgt Ion:146 Resp: 675512

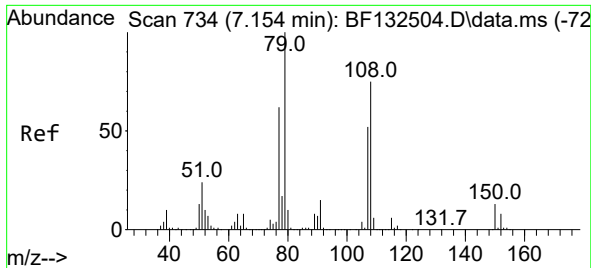
Ion Ratio Lower Upper

146 100

148 63.4 50.6 75.8

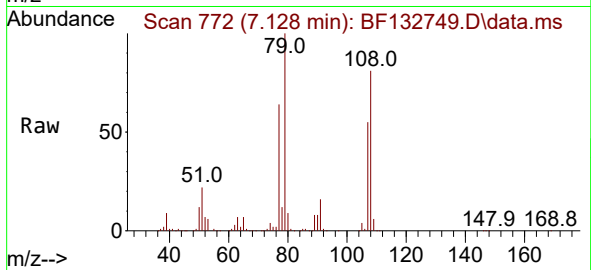
111 45.1 37.2 55.8





#15
Benzyl Alcohol
Concen: 44.835 ng
RT: 7.128 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

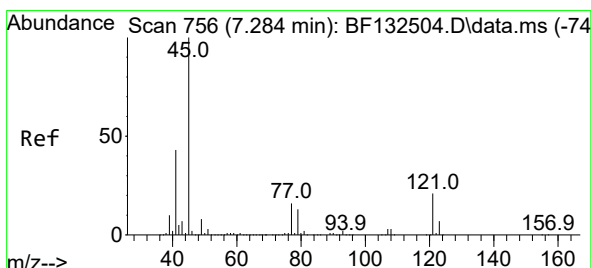
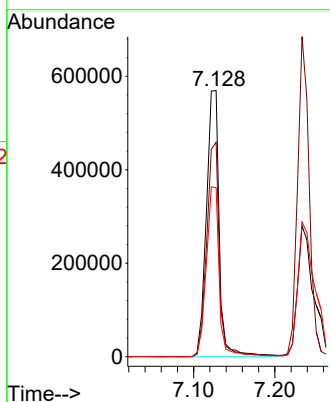
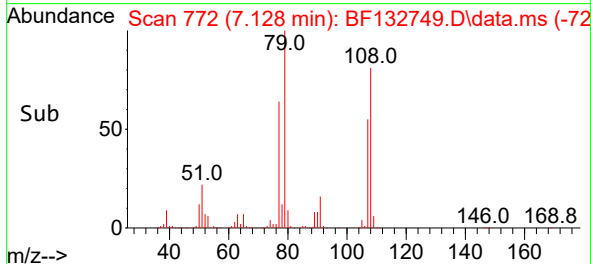
Instrument :
BNA_F
ClientSampleId :
TP-4MSD



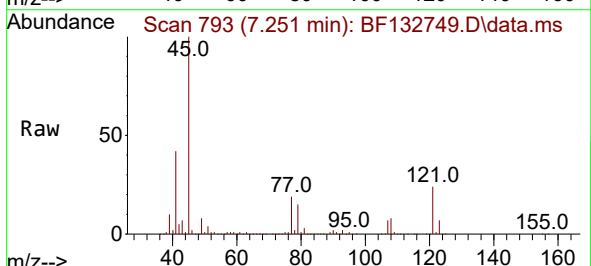
Tgt Ion: 79 Resp: 62362
Ion Ratio Lower Upper
79 100
108 80.6 60.2 90.4
77 63.5 49.9 74.9

Manual Integrations
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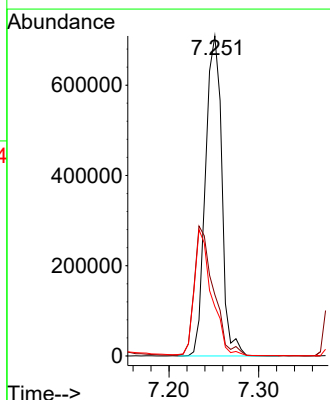
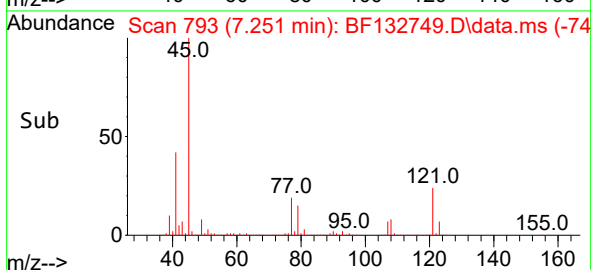
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023

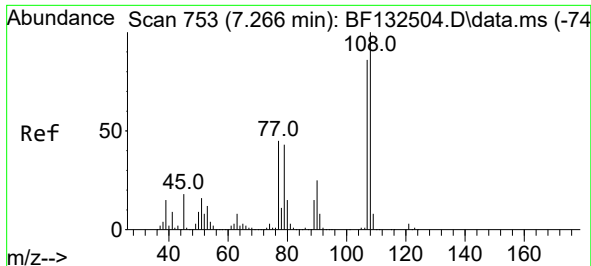


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.915 ng
RT: 7.251 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15



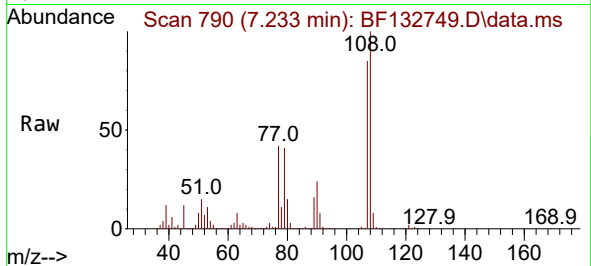
Tgt Ion: 45 Resp: 895147
Ion Ratio Lower Upper
45 100
77 19.1 0.0 36.4
79 15.5 0.0 33.4





#17
2-Methylphenol
Concen: 43.301 ng
RT: 7.233 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

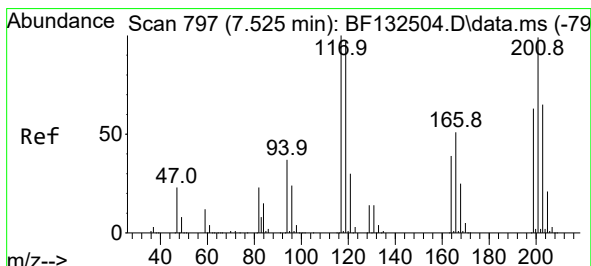
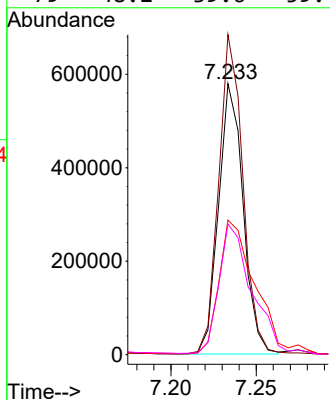
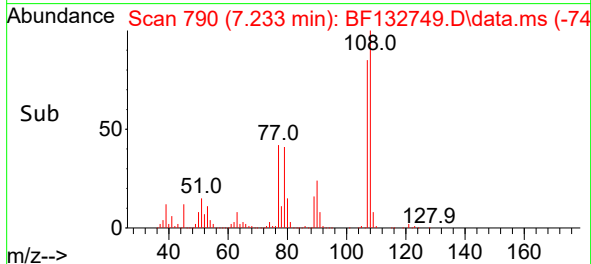
Instrument :
BNA_F
ClientSampleId :
TP-4MSD



Tgt Ion:107 Resp: 580428
Ion Ratio Lower Upper
107 100
108 118.1 93.0 139.4
77 49.6 42.1 63.1
79 48.2 39.6 59.4

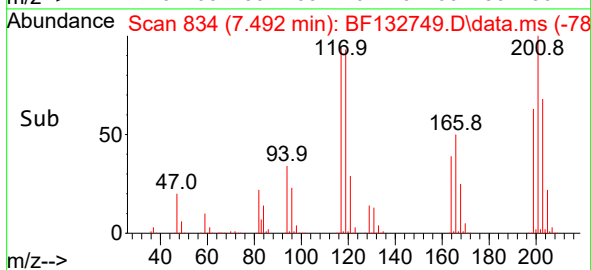
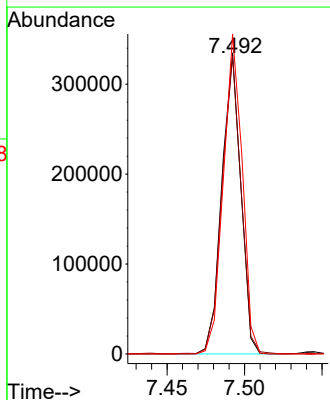
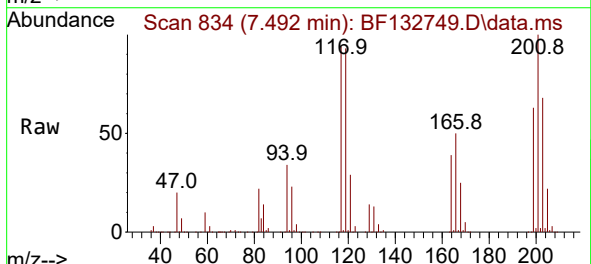
Manual Integrations
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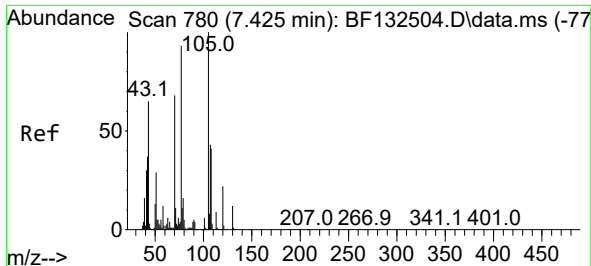
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#18
Hexachloroethane
Concen: 47.165 ng
RT: 7.492 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

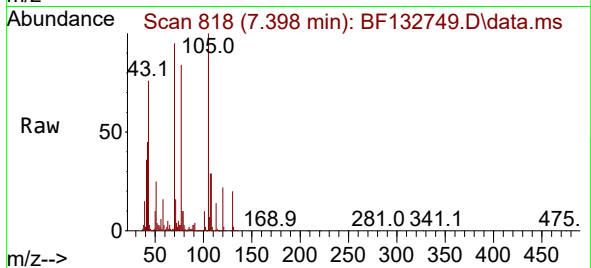
Tgt Ion:117 Resp: 283588
Ion Ratio Lower Upper
117 100
119 98.9 78.0 117.0
201 106.2 79.0 118.4





#19
n-Nitroso-di-n-propylamine
Concen: 40.551 ng
RT: 7.398 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

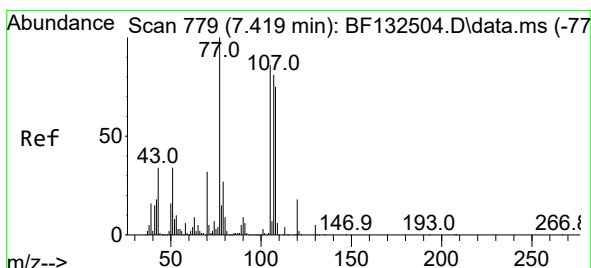
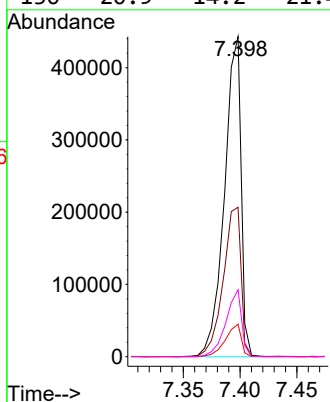
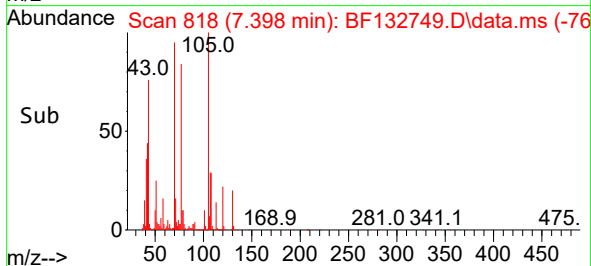
Instrument :
BNA_F
ClientSampleId :
TP-4MSD



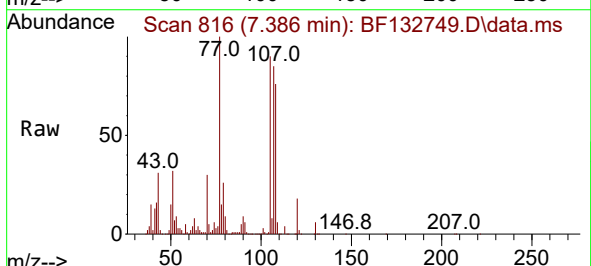
Tgt Ion: 70 Resp: 450730
Ion Ratio Lower Upper
70 100
42 46.7 44.1 66.1
101 10.2 7.4 11.2
130 20.9 14.2 21.4

Manual Integrations
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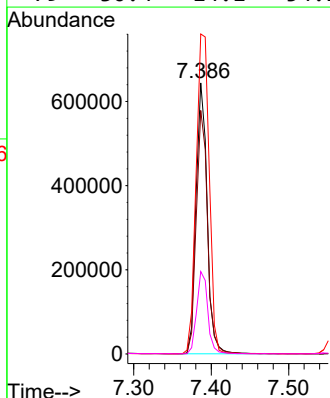
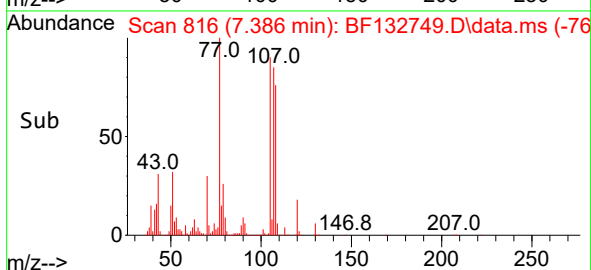
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023

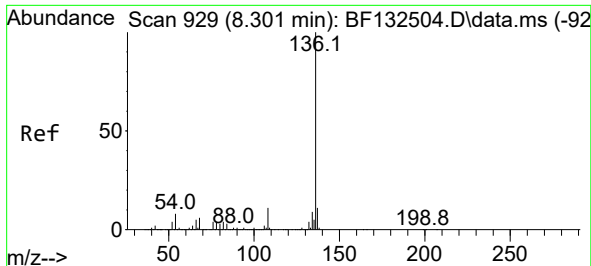


#20
3+4-Methylphenols
Concen: 37.058 ng
RT: 7.386 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15



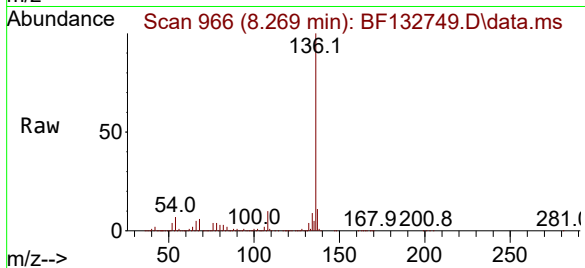
Tgt Ion:107 Resp: 641754
Ion Ratio Lower Upper
107 100
108 89.8 72.6 112.6
77 118.0 104.0 144.0
79 30.4 14.1 54.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.269 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

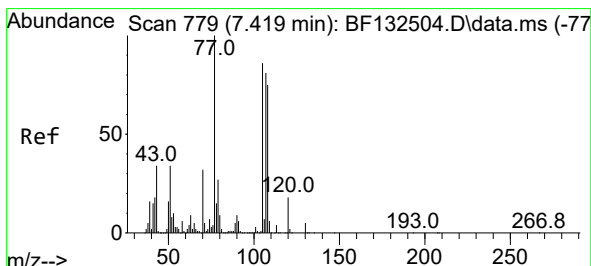
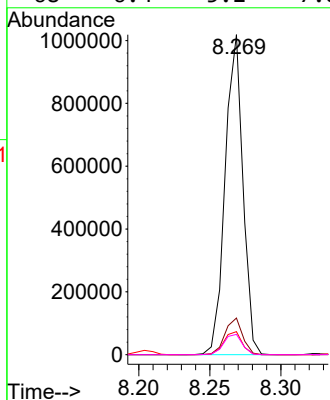
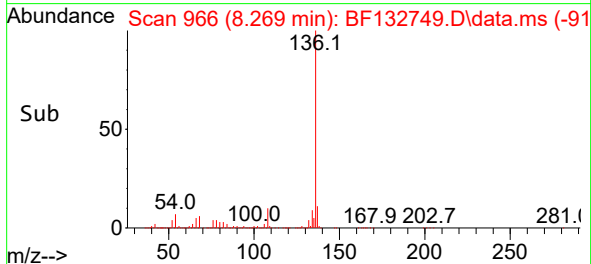
Instrument :
BNA_F
ClientSampleId :
TP-4MSD



Tgt Ion:136 Resp: 885448
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 7.2 6.2 9.4
68 6.4 5.2 7.8

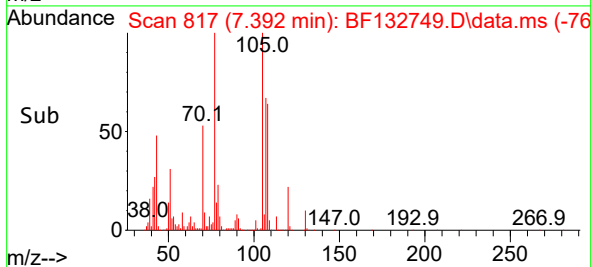
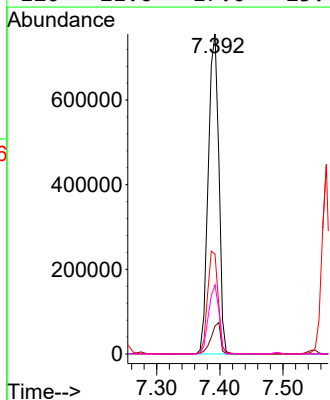
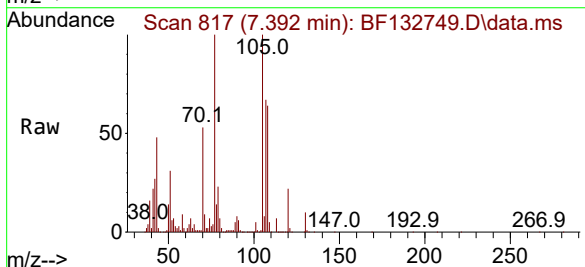
Manual Integrations
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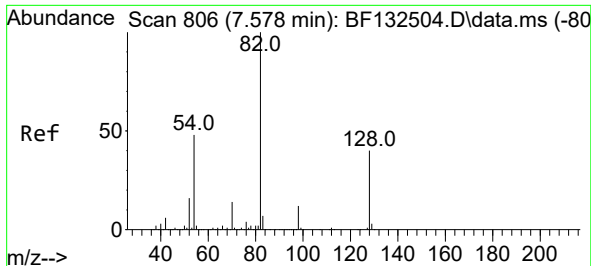
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#22
Acetophenone
Concen: 39.221 ng
RT: 7.392 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

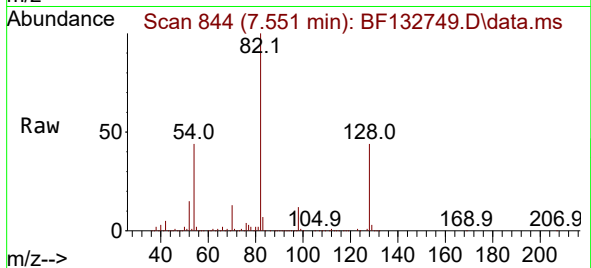
Tgt Ion:105 Resp: 875694
Ion Ratio Lower Upper
105 100
71 8.7 5.0 7.4#
51 31.2 31.5 47.3#
120 21.6 17.0 25.4





#23
Nitrobenzene-d5
Concen: 63.148 ng
RT: 7.551 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

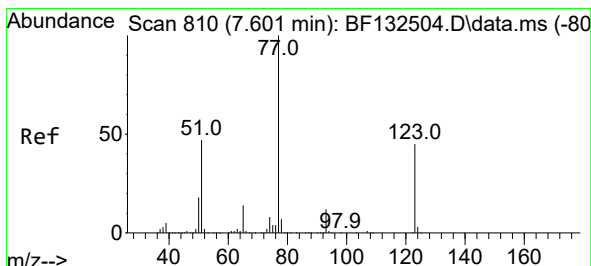
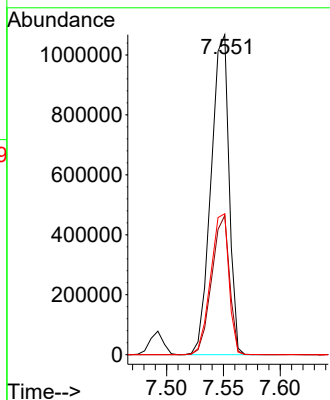
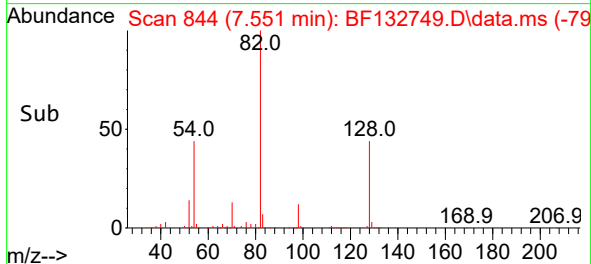
Instrument :
BNA_F
ClientSampleId :
TP-4MSD



Tgt Ion: 82 Resp: 1178528
Ion Ratio Lower Upper
82 100
128 43.5 32.2 48.2
54 44.0 38.4 57.6

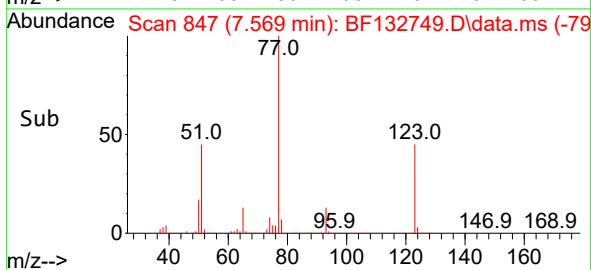
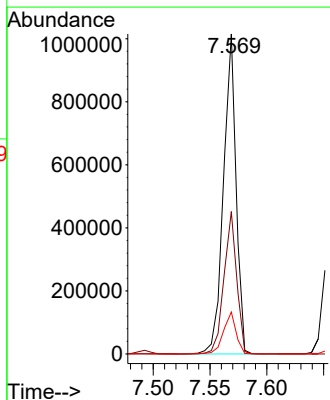
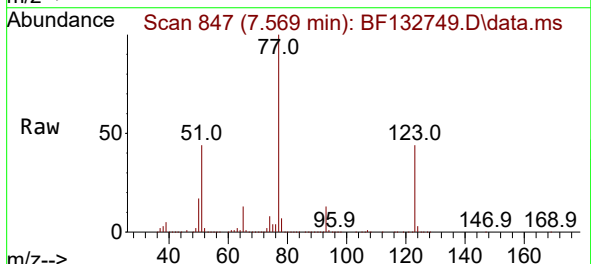
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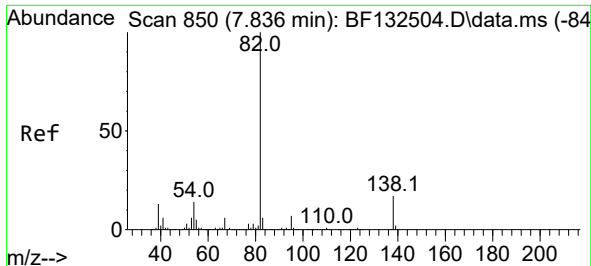
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#24
Nitrobenzene
Concen: 39.417 ng
RT: 7.569 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

Tgt Ion: 77 Resp: 786760
Ion Ratio Lower Upper
77 100
123 44.5 35.8 53.6
65 13.1 10.9 16.3





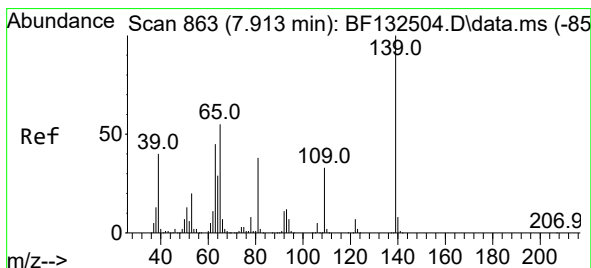
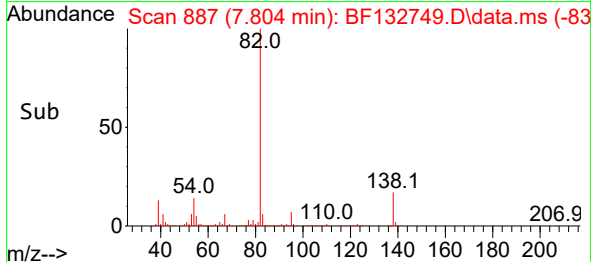
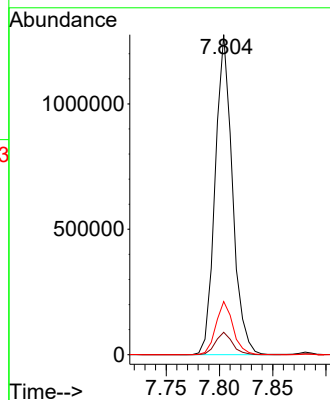
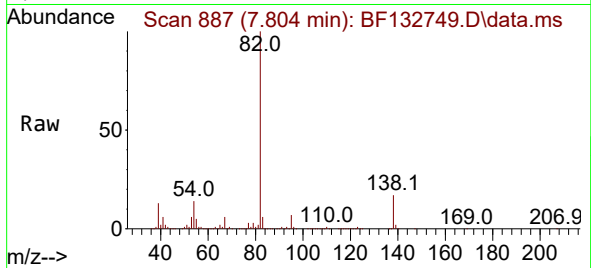
#25
Isophorone
Concen: 40.043 ng
RT: 7.804 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tgt Ion: 82 Resp: 1432780
Ion Ratio Lower Upper
82 100
95 7.0 5.7 8.5
138 16.6 13.3 19.9

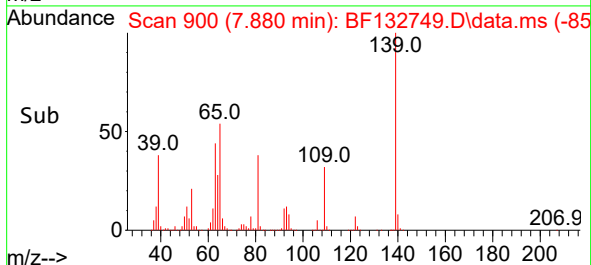
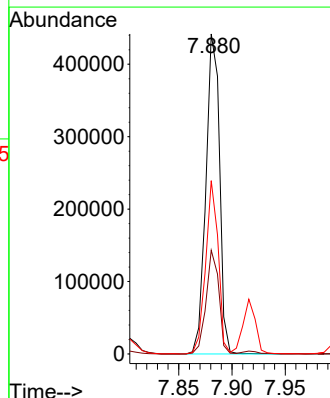
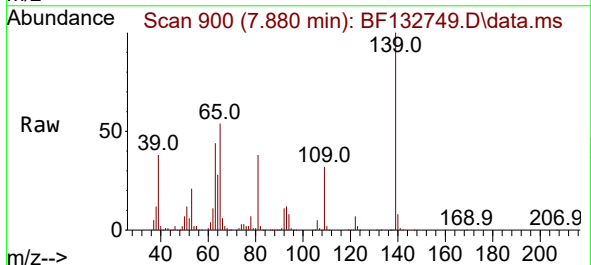
Manual Integrations
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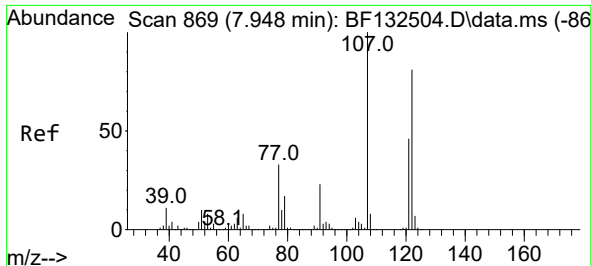
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#26
2-Nitrophenol
Concen: 44.838 ng
RT: 7.880 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

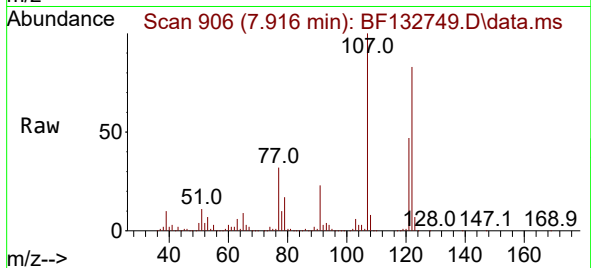
Tgt Ion:139 Resp: 394865
Ion Ratio Lower Upper
139 100
109 32.4 26.2 39.2
65 54.2 43.8 65.8





#27
2,4-Dimethylphenol
Concen: 43.819 ng
RT: 7.916 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

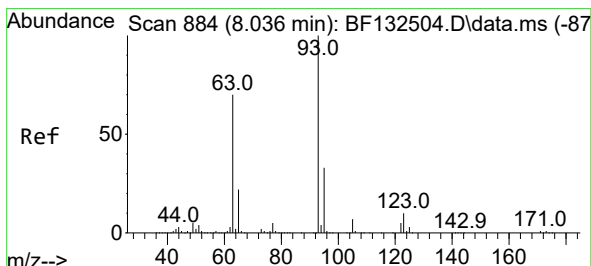
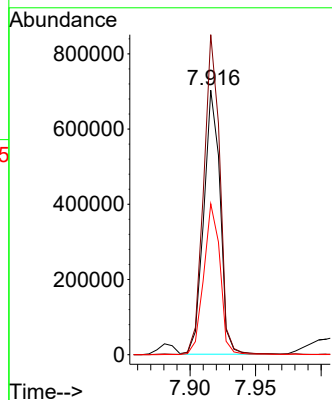
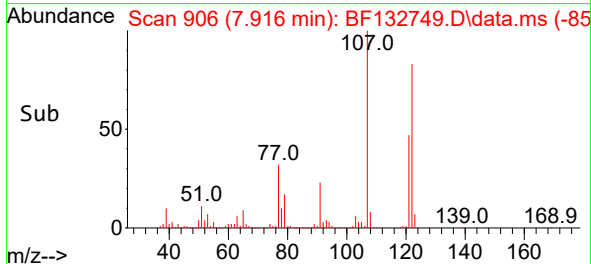
Instrument :
BNA_F
ClientSampleId :
TP-4MSD



Tgt Ion:122 Resp: 60905
Ion Ratio Lower Upper
122 100
107 121.0 98.7 148.1
121 57.1 45.8 68.6

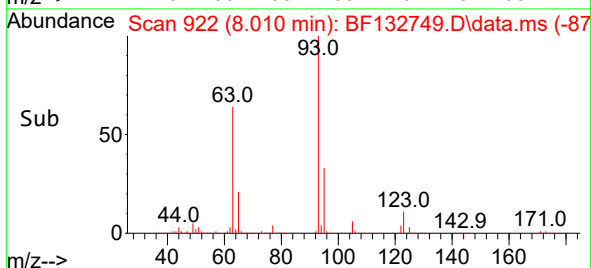
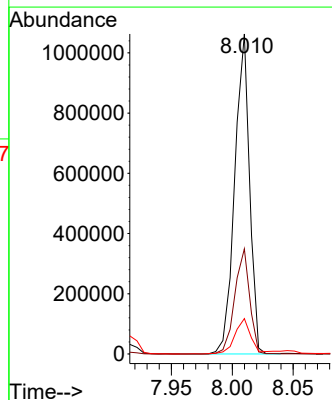
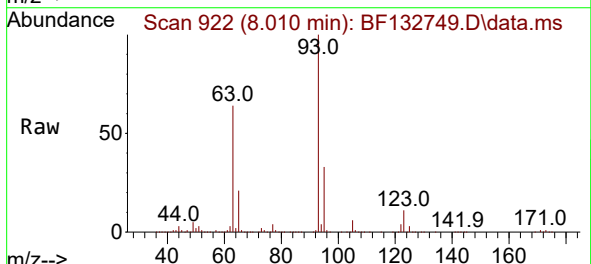
Manual Integrations
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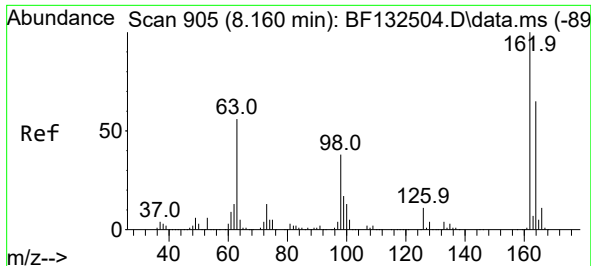
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#28
bis(2-Chloroethoxy)methane
Concen: 43.129 ng
RT: 8.010 min Scan# 922
Delta R.T. -0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

Tgt Ion: 93 Resp: 902755
Ion Ratio Lower Upper
93 100
95 32.9 26.3 39.5
123 11.1 8.3 12.5





#29

2,4-Dichlorophenol

Concen: 43.016 ng

RT: 8.128 min Scan# 942

Delta R.T. -0.006 min

Lab File: BF132749.D

Acq: 10 Mar 2023 19:15

Instrument :

BNA_F

ClientSampleId :

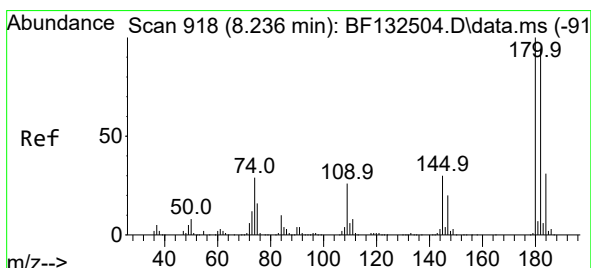
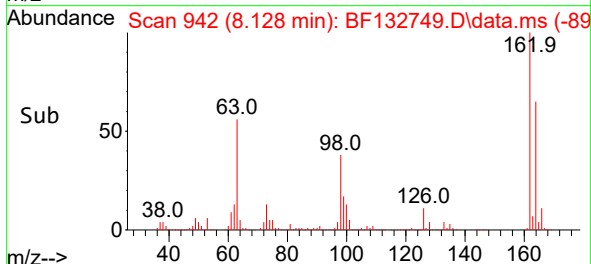
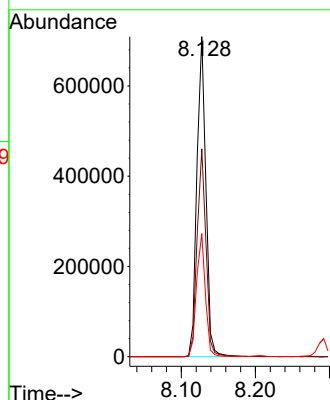
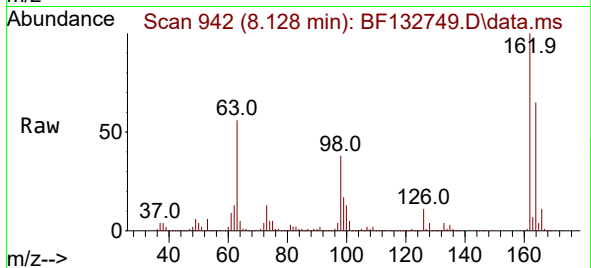
TP-4MSD

Tgt Ion:162 Resp: 594749
 Ion Ratio Lower Upper
 162 100
 164 64.9 45.3 85.3
 98 38.5 17.9 57.9

Manual Integrations

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Reviewed By :Christian Giraldo 03/13/2023
 Supervised By :Jagrut Upadhyay 03/13/2023



#30

1,2,4-Trichlorobenzene

Concen: 43.904 ng

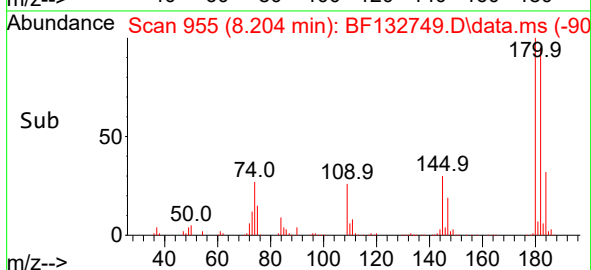
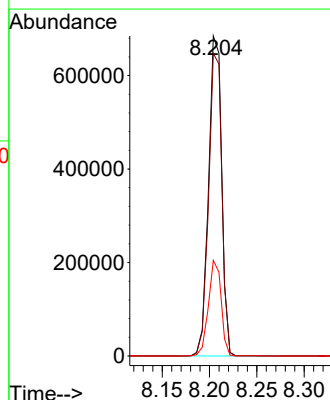
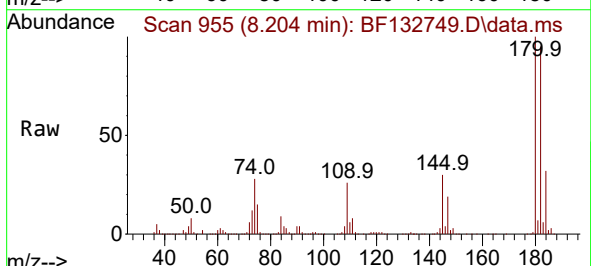
RT: 8.204 min Scan# 955

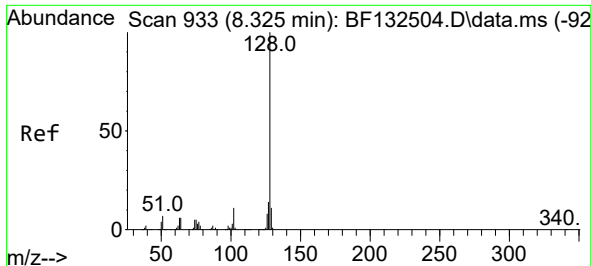
Delta R.T. -0.006 min

Lab File: BF132749.D

Acq: 10 Mar 2023 19:15

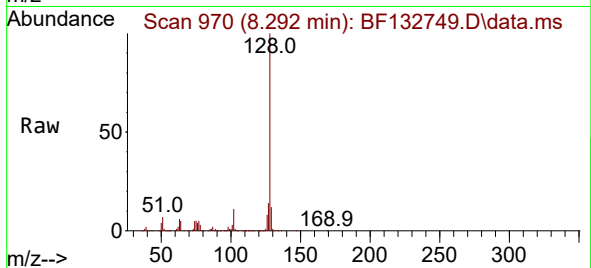
Tgt Ion:180 Resp: 659147
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.1 112.7
 145 29.9 23.8 35.6





#31
Naphthalene
Concen: 46.145 ng
RT: 8.292 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

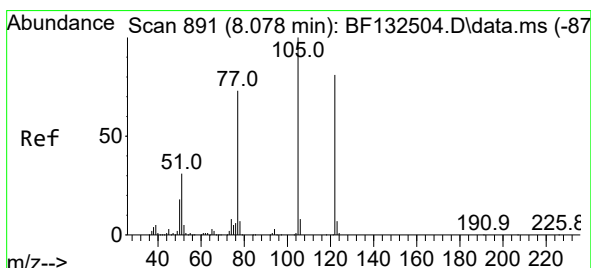
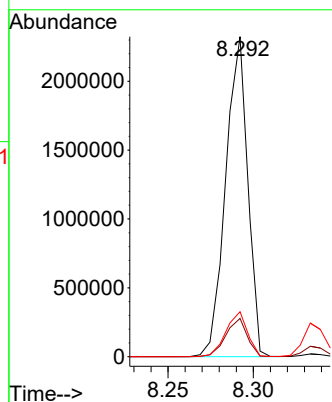
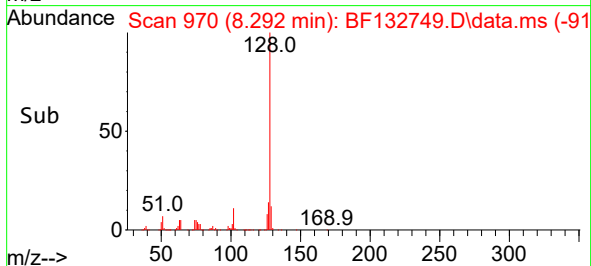
Instrument :
BNA_F
ClientSampleId :
TP-4MSD



Tgt Ion:128 Resp: 2091730
Ion Ratio Lower Upper
128 100
129 11.9 9.1 13.7
127 14.0 11.0 16.6

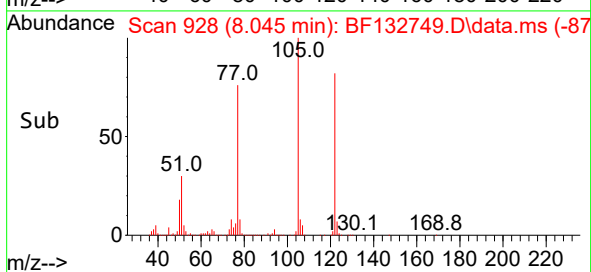
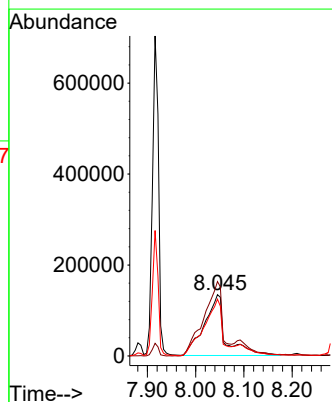
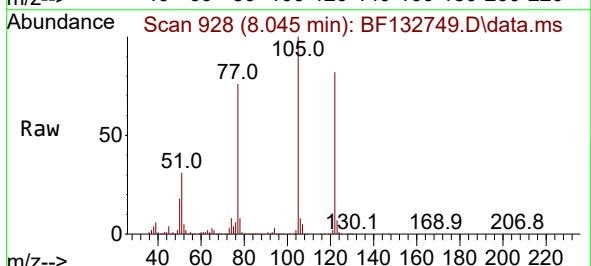
Manual Integrations
APPROVED

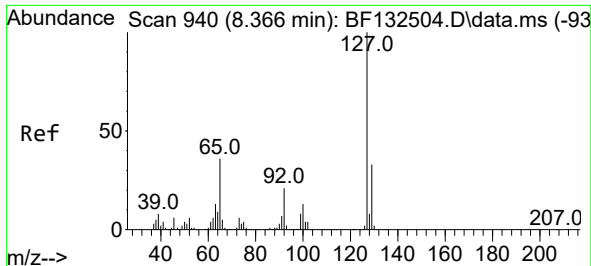
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#32
Benzoic acid
Concen: 38.198 ng m
RT: 8.045 min Scan# 928
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

Tgt Ion:122 Resp: 409048
Ion Ratio Lower Upper
122 100
105 121.5 102.6 142.6
77 92.7 70.2 110.2





#33
4-Chloroaniline
Concen: 12.283 ng
RT: 8.333 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

Instrument :

BNA_F

ClientSampleId :

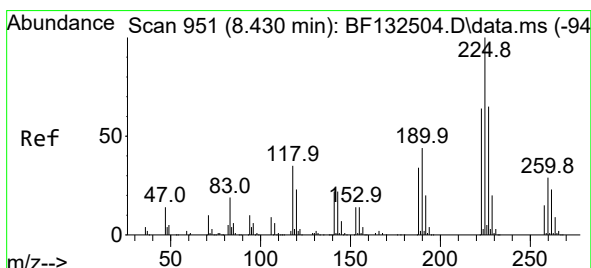
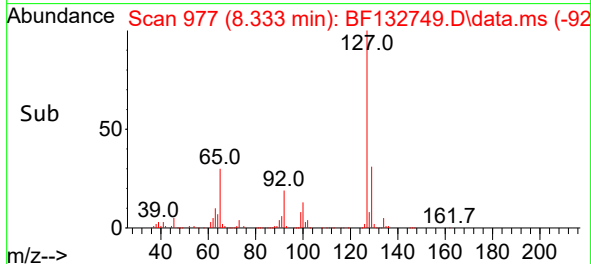
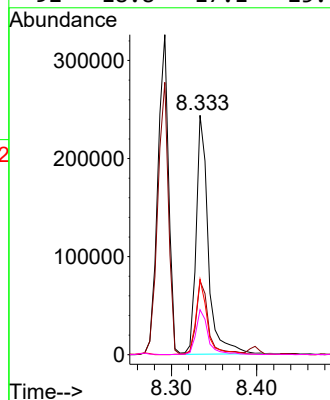
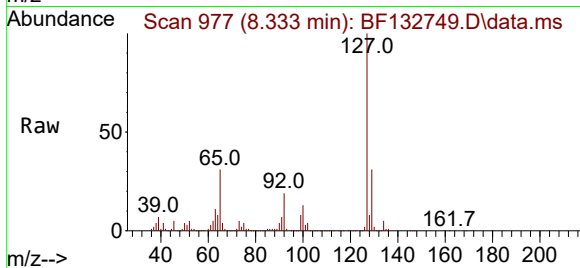
TP-4MSD

Tgt Ion:127 Resp: 23858
Ion Ratio Lower Upper
127 100
129 30.8 26.4 39.6
65 31.5 28.8 43.2
92 18.8 17.1 25.7

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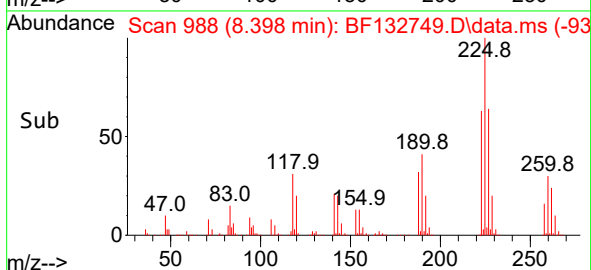
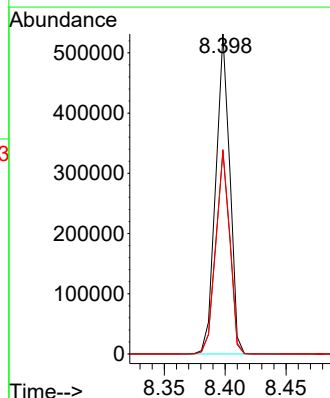
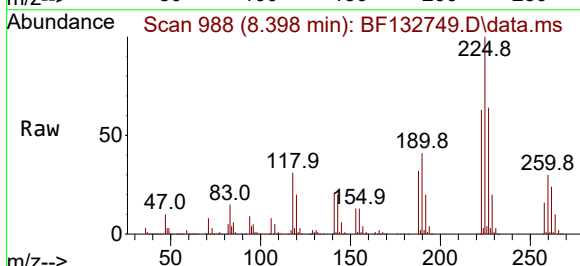
APPROVED

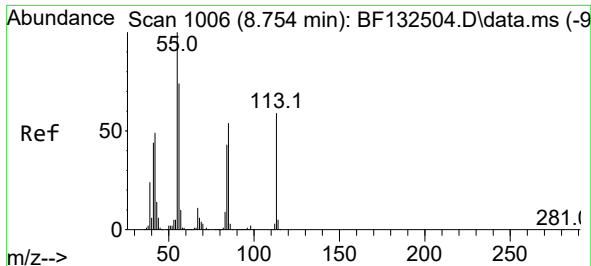
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#34
Hexachlorobutadiene
Concen: 44.577 ng
RT: 8.398 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

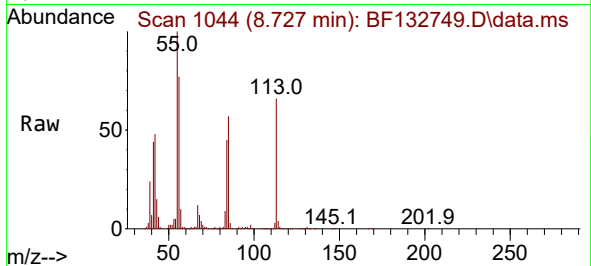
Tgt Ion:225 Resp: 425280
Ion Ratio Lower Upper
225 100
223 63.2 51.0 76.4
227 63.8 51.7 77.5





#35
Caprolactam
Concen: 44.396 ng m
RT: 8.727 min Scan# 1061
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

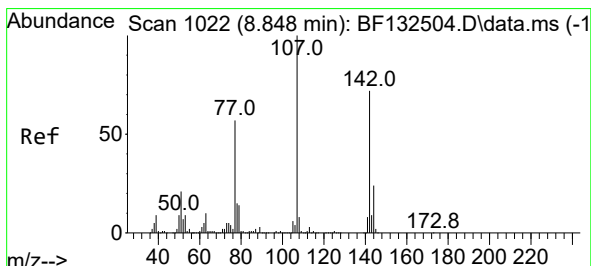
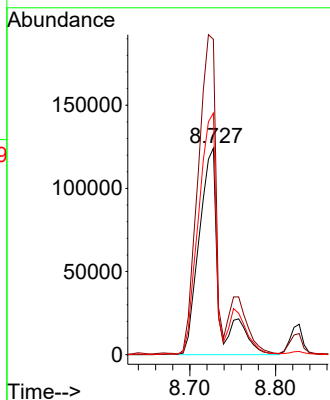
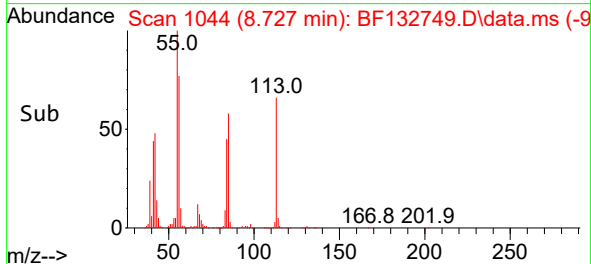
Instrument :
BNA_F
ClientSampleId :
TP-4MSD



Tgt Ion:113 Resp: 202360
Ion Ratio Lower Upper
113 100
55 152.6 149.4 189.4
56 117.0 105.0 145.0

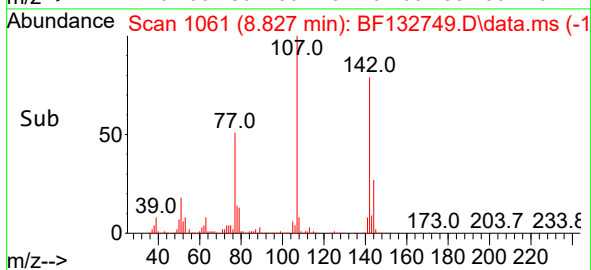
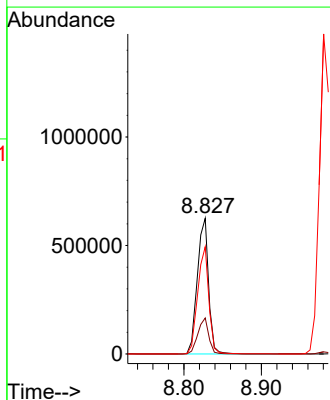
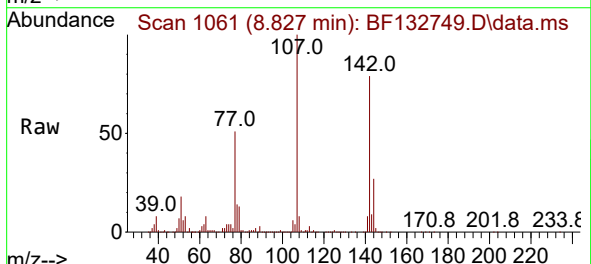
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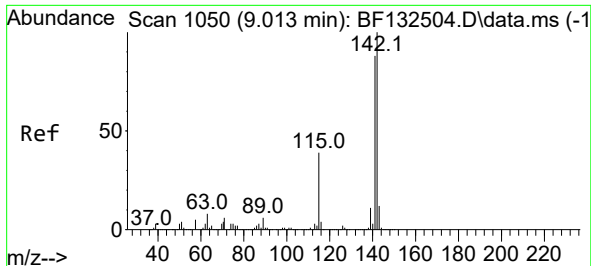
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#36
4-Chloro-3-methylphenol
Concen: 41.643 ng
RT: 8.827 min Scan# 1061
Delta R.T. 0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

Tgt Ion:107 Resp: 632310
Ion Ratio Lower Upper
107 100
144 26.5 18.9 28.3
142 79.0 57.9 86.9





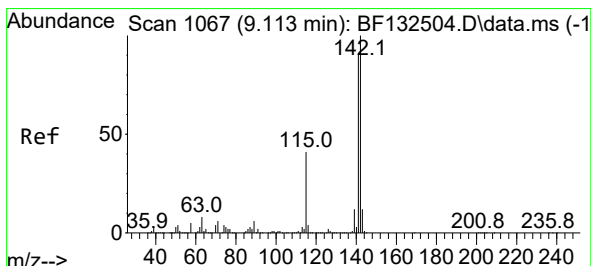
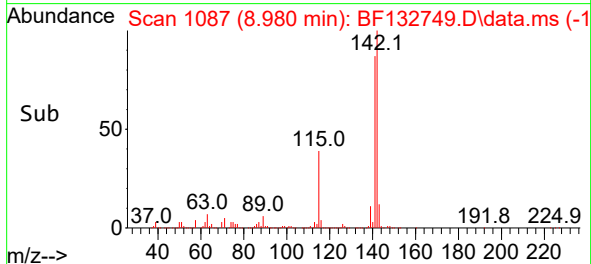
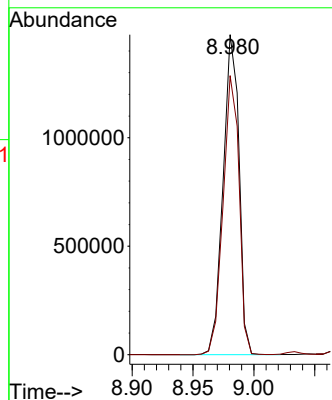
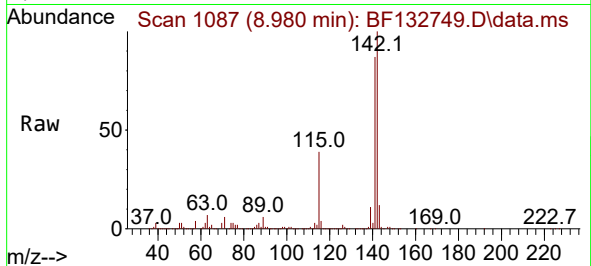
#37
2-Methylnaphthalene
Concen: 43.532 ng
RT: 8.980 min Scan# 1104
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tgt Ion:142 Resp: 1344780
Ion Ratio Lower Upper
142 100
141 87.2 70.2 105.2

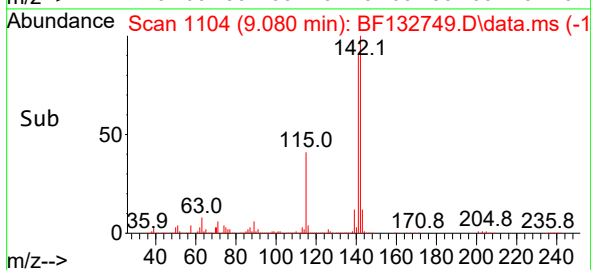
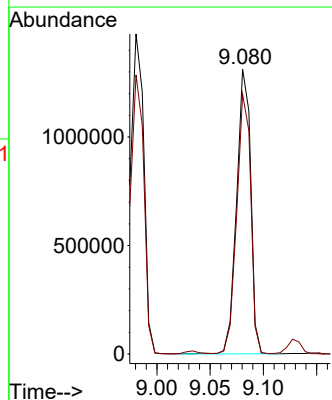
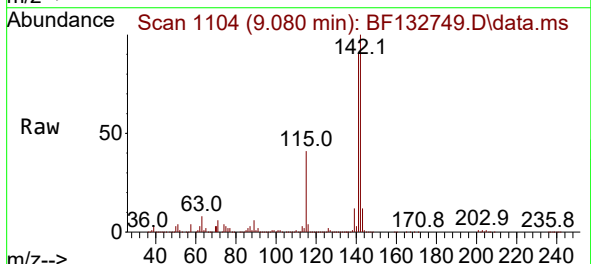
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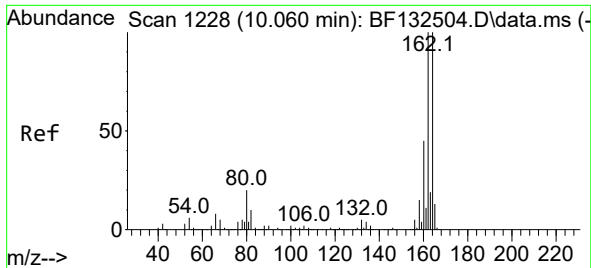
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#38
1-Methylnaphthalene
Concen: 41.912 ng
RT: 9.080 min Scan# 1104
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

Tgt Ion:142 Resp: 1209959
Ion Ratio Lower Upper
142 100
141 91.2 73.0 109.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.027 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

Instrument :

BNA_F

ClientSampleId :

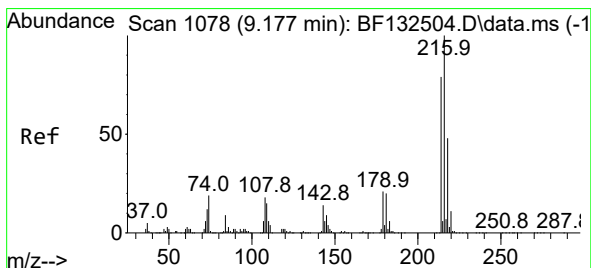
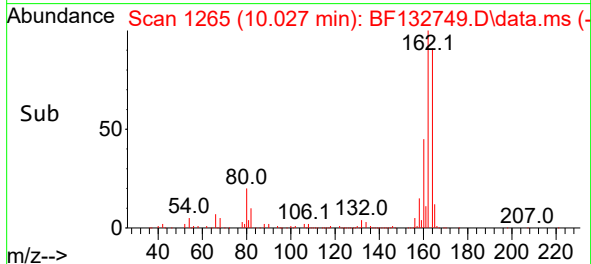
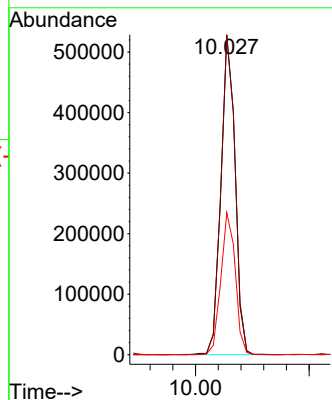
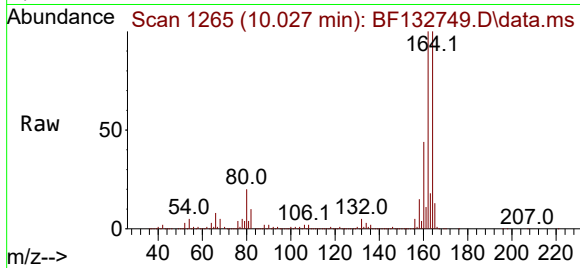
TP-4MSD

Tgt Ion:164 Resp: 45713
Ion Ratio Lower Upper
164 100
162 100.2 79.8 119.8
160 44.5 35.8 53.6

Manual Integrations

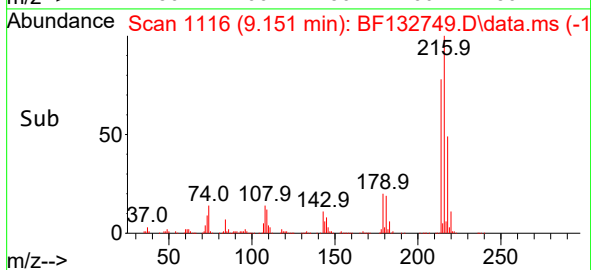
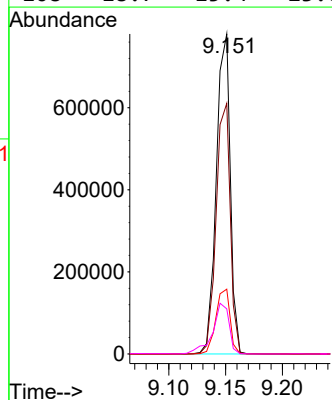
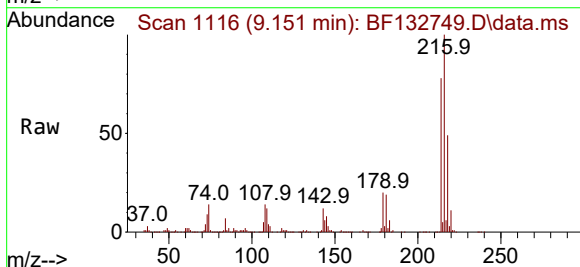
APPROVED

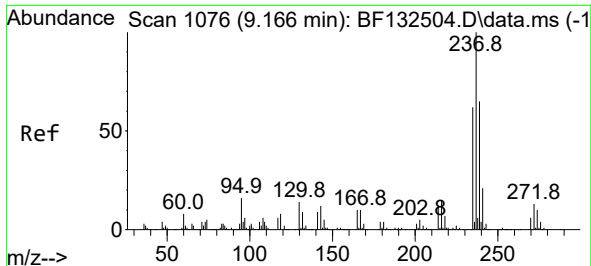
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.542 ng
RT: 9.151 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

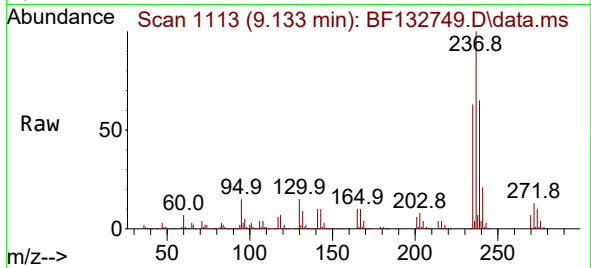
Tgt Ion:216 Resp: 666195
Ion Ratio Lower Upper
216 100
214 79.5 63.0 94.6
179 20.6 16.6 24.8
108 18.7 15.4 23.0





#41
Hexachlorocyclopentadiene
Concen: 66.019 ng
RT: 9.133 min Scan# 1113
Delta R.T. 0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

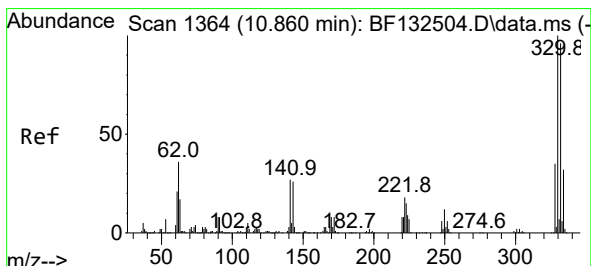
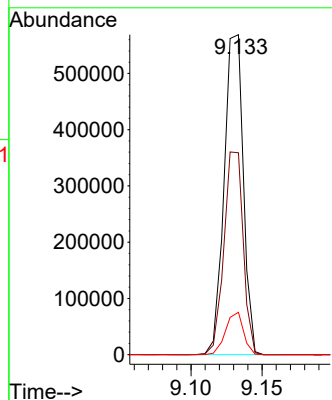
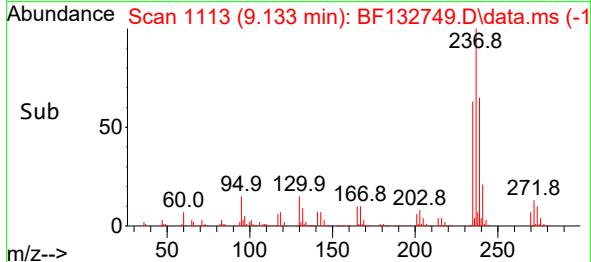
Instrument :
BNA_F
ClientSampleId :
TP-4MSD



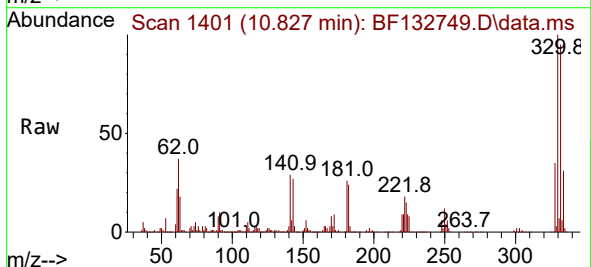
Tgt Ion:237 Resp: 53556
Ion Ratio Lower Upper
237 100
235 63.1 42.4 82.4
272 13.3 0.0 32.7

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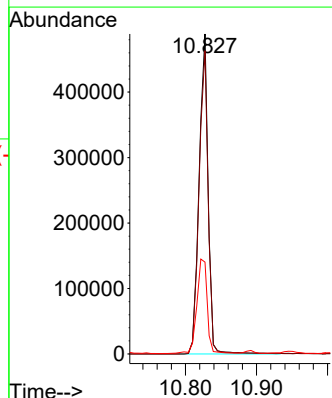
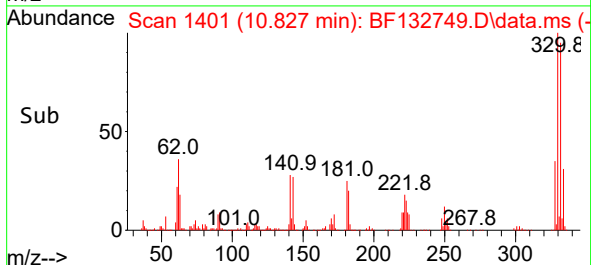
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023

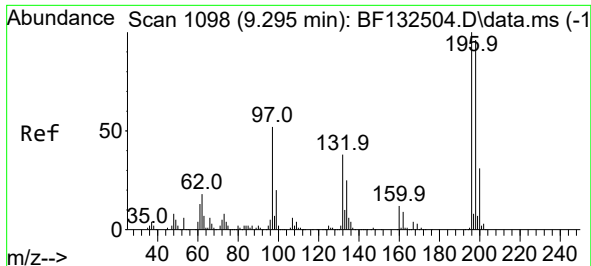


#42
2,4,6-Tribromophenol
Concen: 88.043 ng
RT: 10.827 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15



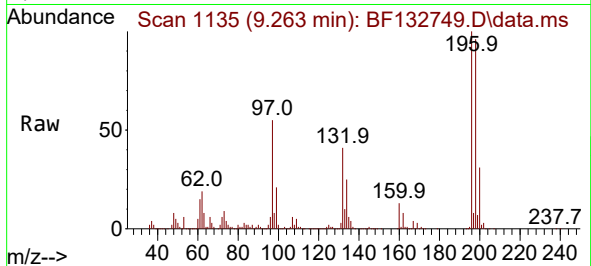
Tgt Ion:330 Resp: 434656
Ion Ratio Lower Upper
330 100
332 95.4 76.2 114.4
141 33.8 28.4 42.6





#43
2,4,6-Trichlorophenol
Concen: 43.828 ng
RT: 9.263 min Scan# 1135
Delta R.T. 0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

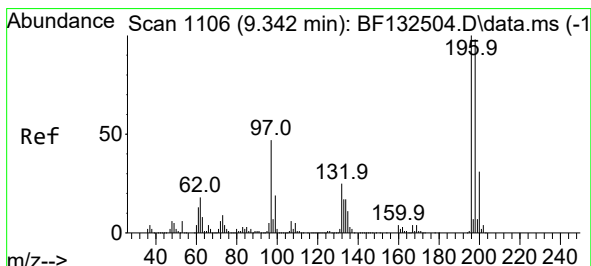
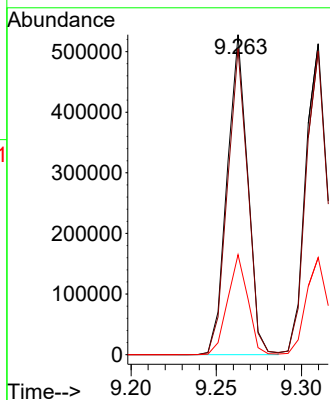
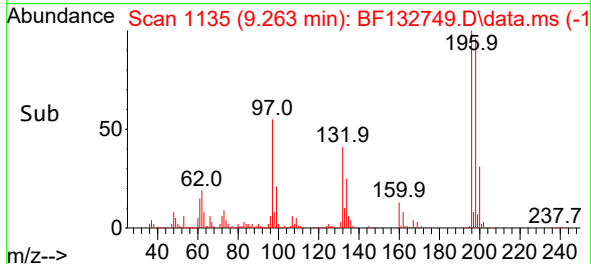
Instrument :
BNA_F
ClientSampleId :
TP-4MSD



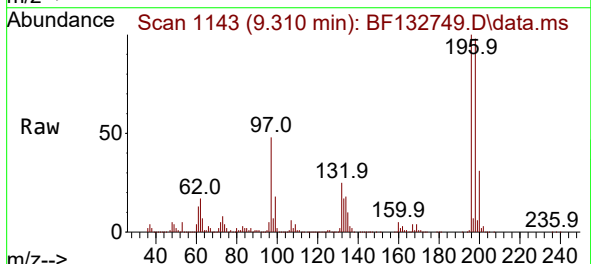
Tgt Ion:196 Resp: 44423
Ion Ratio Lower Upper
196 100
198 95.6 77.1 115.7
200 31.2 25.0 37.4

Manual Integrations
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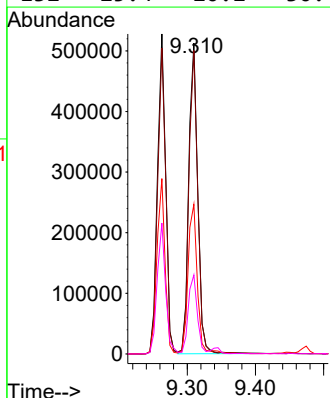
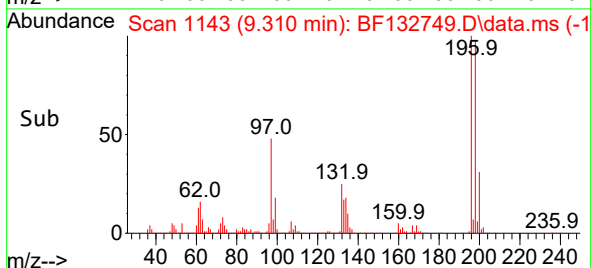
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023

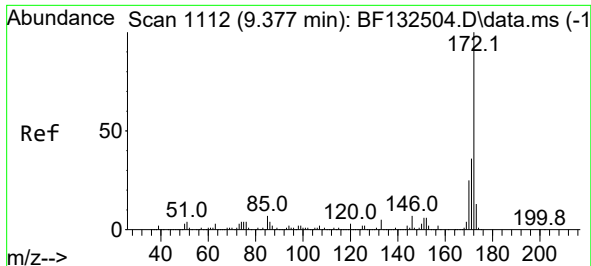


#44
2,4,5-Trichlorophenol
Concen: 39.448 ng
RT: 9.310 min Scan# 1143
Delta R.T. -0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15



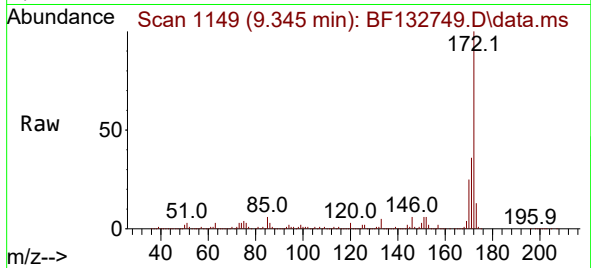
Tgt Ion:196 Resp: 466675
Ion Ratio Lower Upper
196 100
198 97.6 78.3 117.5
97 48.1 38.1 57.1
132 25.4 20.2 30.4





#45
2-Fluorobiphenyl
Concen: 60.818 ng
RT: 9.345 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

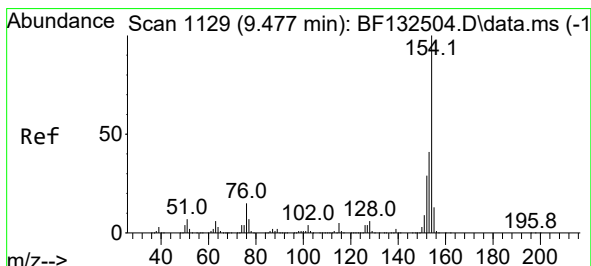
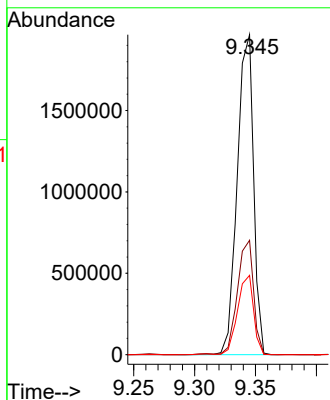
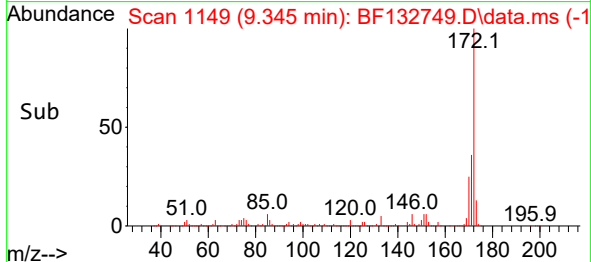
Instrument :
BNA_F
ClientSampleId :
TP-4MSD



Tgt Ion:172 Resp: 182588
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 24.8 19.7 29.5

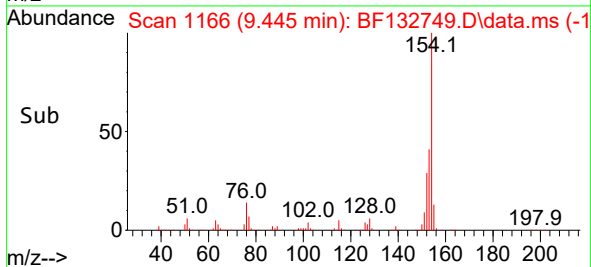
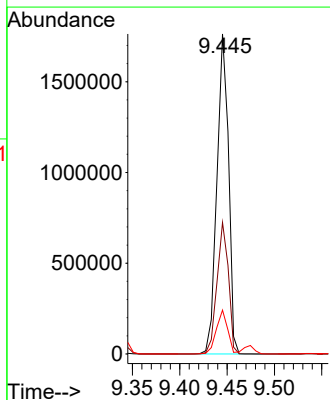
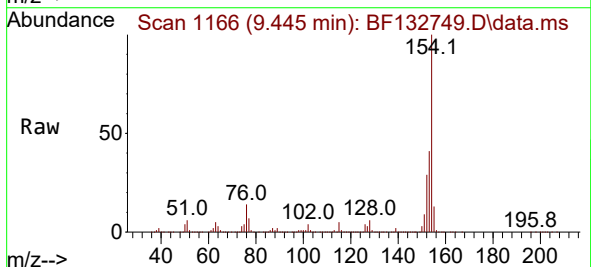
Manual Integrations
APPROVED

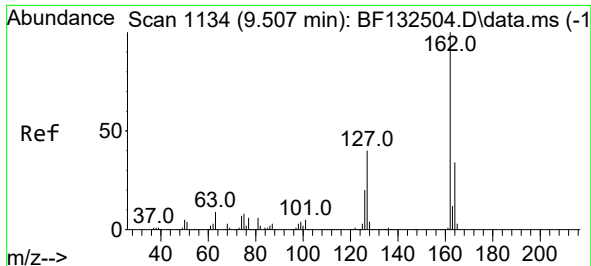
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#46
1,1'-Biphenyl
Concen: 43.438 ng
RT: 9.445 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

Tgt Ion:154 Resp: 1502965
Ion Ratio Lower Upper
154 100
153 41.1 20.9 60.9
76 13.7 0.0 34.7





#47

2-Chloronaphthalene

Concen: 43.417 ng

RT: 9.475 min Scan# 1117

Delta R.T. -0.006 min

Lab File: BF132749.D

Acq: 10 Mar 2023 19:15

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

Tgt Ion:162 Resp: 119102

Ion Ratio Lower Upper

162 100

127 39.9 32.3 48.5

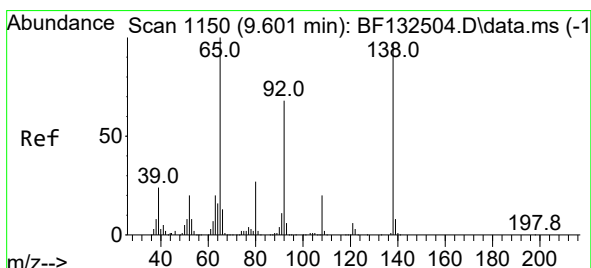
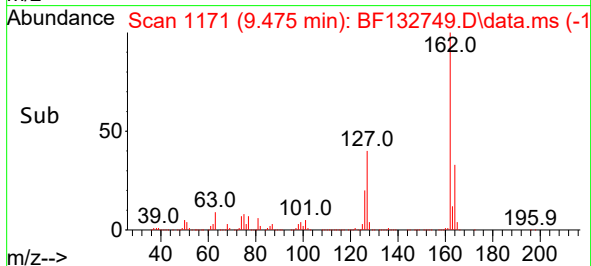
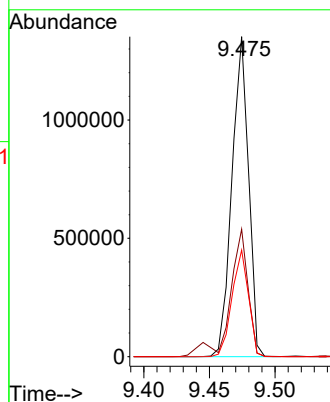
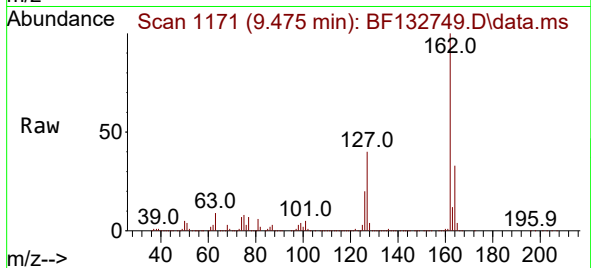
164 33.3 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/13/2023

Supervised By :Jagrut Upadhyay 03/13/2023



#48

2-Nitroaniline

Concen: 37.920 ng

RT: 9.575 min Scan# 1188

Delta R.T. 0.000 min

Lab File: BF132749.D

Acq: 10 Mar 2023 19:15

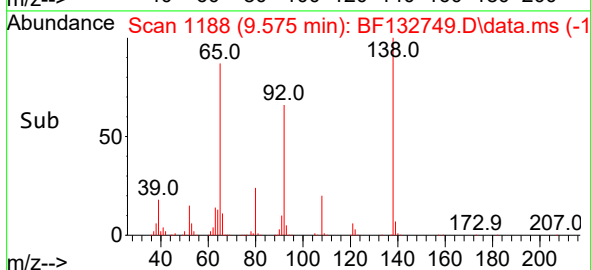
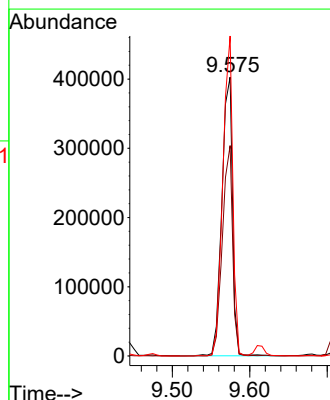
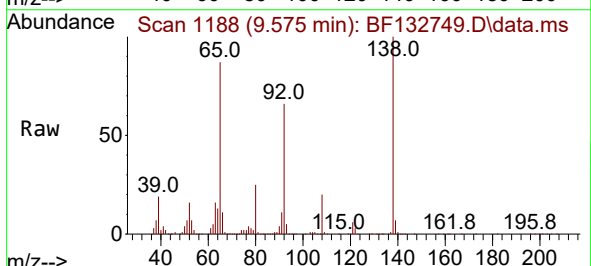
Tgt Ion: 65 Resp: 383126

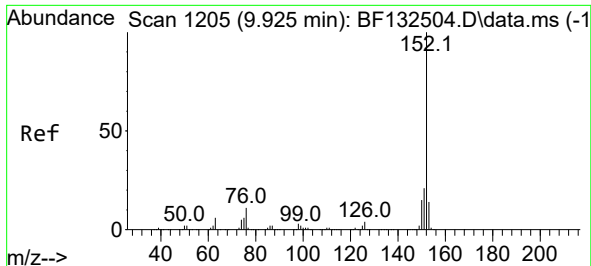
Ion Ratio Lower Upper

65 100

92 75.4 54.5 81.7

138 114.7 77.2 115.8





#49

Acenaphthylene

Concen: 40.141 ng

RT: 9.892 min Scan# 1242

Delta R.T. -0.006 min

Lab File: BF132749.D

Acq: 10 Mar 2023 19:15

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

Tgt Ion:152 Resp: 175252

Ion Ratio Lower Upper

152 100

151 20.7 16.4 24.6

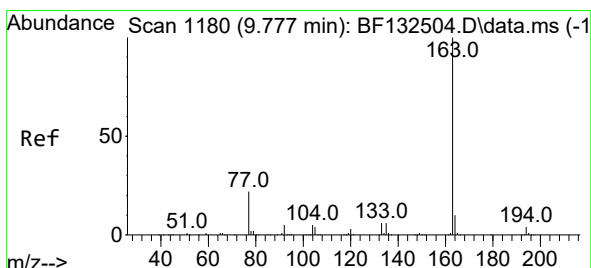
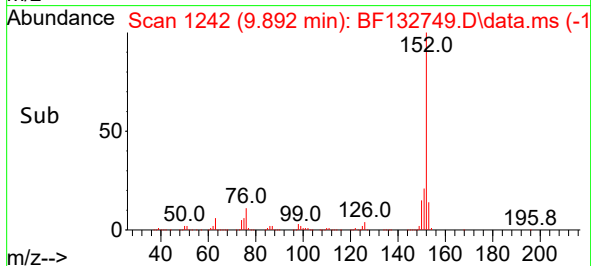
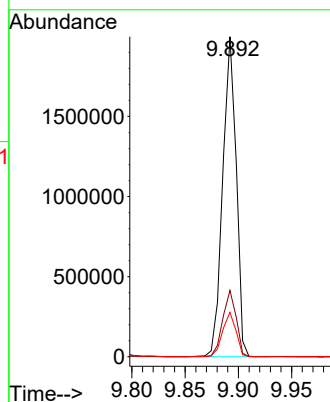
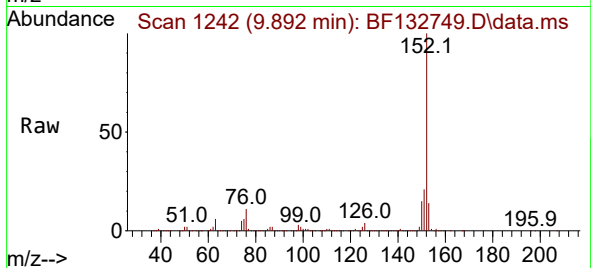
153 13.9 11.0 16.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/13/2023

Supervised By :Jagrut Upadhyay 03/13/2023



#50

Dimethylphthalate

Concen: 43.715 ng

RT: 9.745 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF132749.D

Acq: 10 Mar 2023 19:15

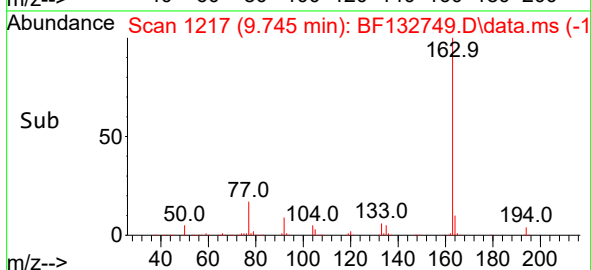
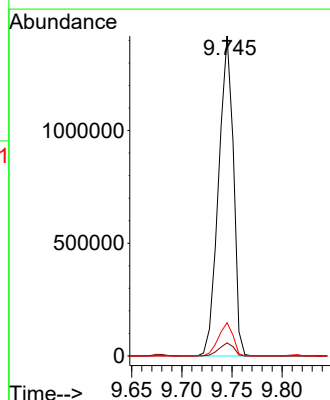
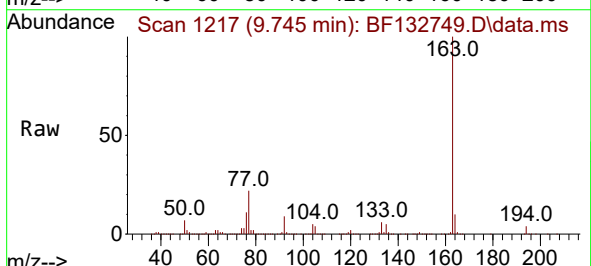
Tgt Ion:163 Resp: 1455075

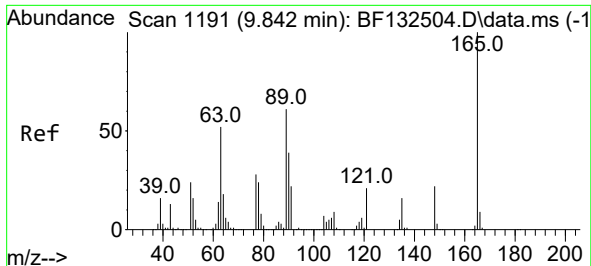
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

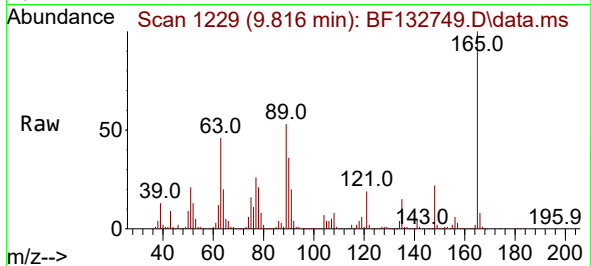
164 10.4 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 41.176 ng
RT: 9.816 min Scan# 1191
Delta R.T. -0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

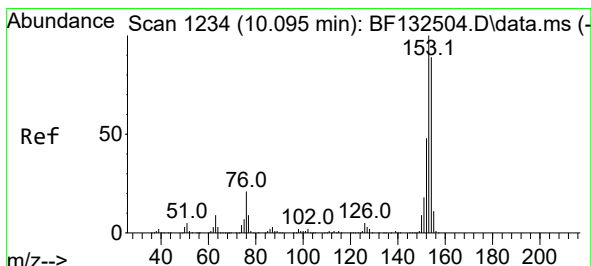
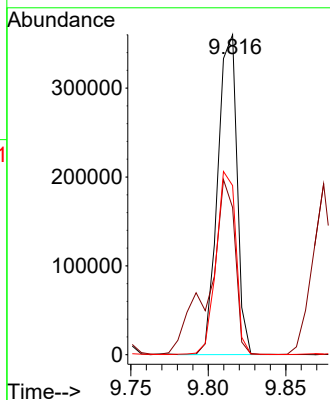
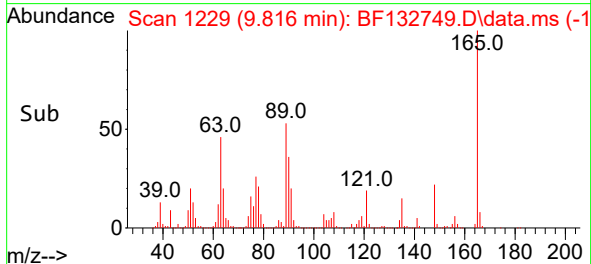
Instrument :
BNA_F
ClientSampleId :
TP-4MSD



Tgt Ion:165 Resp: 312120
Ion Ratio Lower Upper
165 100
63 46.0 47.3 70.9
89 52.8 48.9 73.3

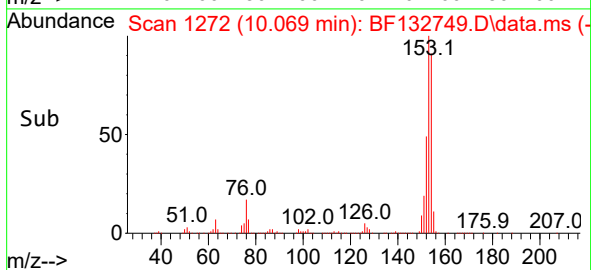
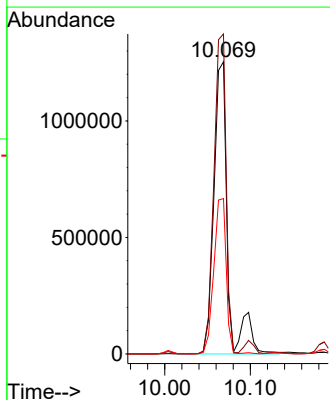
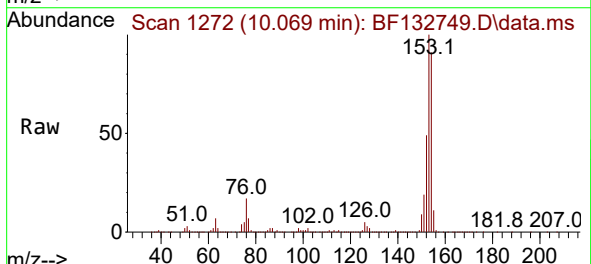
Manual Integrations
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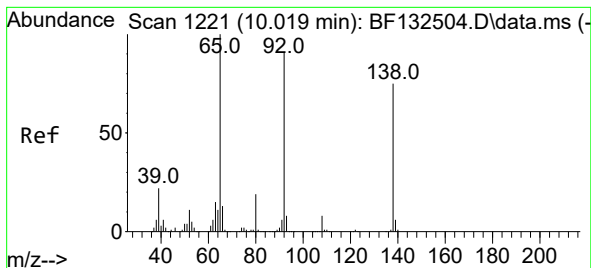
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#52
Acenaphthene
Concen: 50.801 ng m
RT: 10.069 min Scan# 1272
Delta R.T. 0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

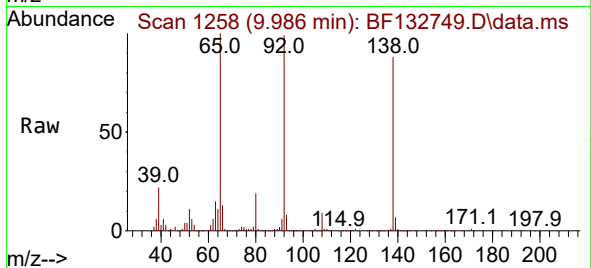
Tgt Ion:154 Resp: 1408356
Ion Ratio Lower Upper
154 100
153 109.5 89.8 134.8
152 53.2 43.3 64.9





#53
3-Nitroaniline
Concen: 25.442 ng
RT: 9.986 min Scan# 1258
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

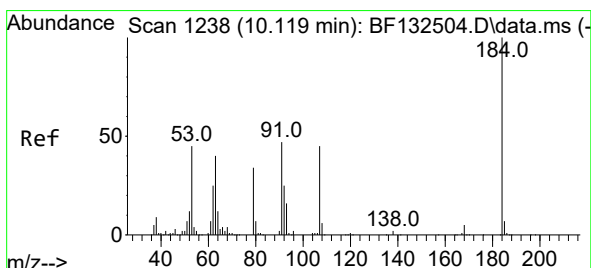
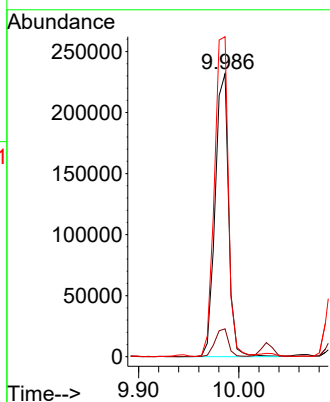
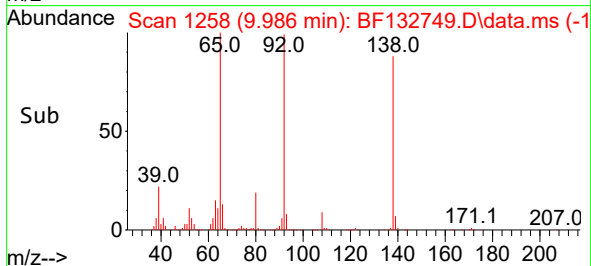
Instrument :
BNA_F
ClientSampleId :
TP-4MSD



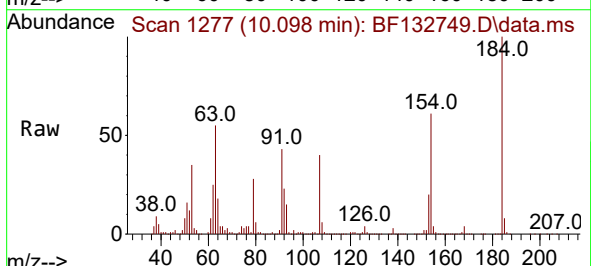
Tgt Ion:138 Resp: 215738
Ion Ratio Lower Upper
138 100
108 9.8 8.1 12.1
92 113.0 97.2 145.8

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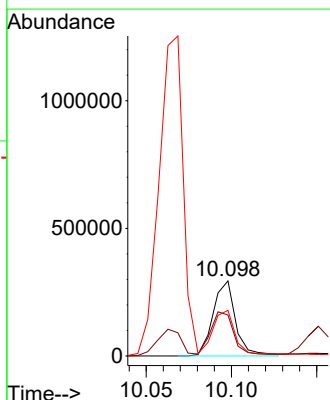
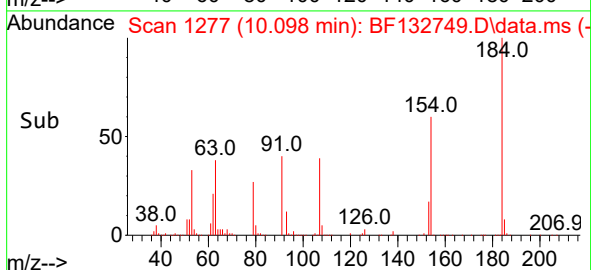
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023

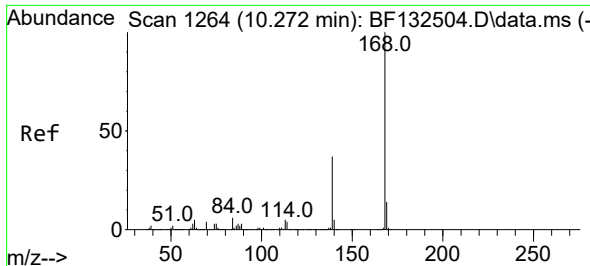


#54
2,4-Dinitrophenol
Concen: 57.438 ng
RT: 10.098 min Scan# 1277
Delta R.T. -0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15



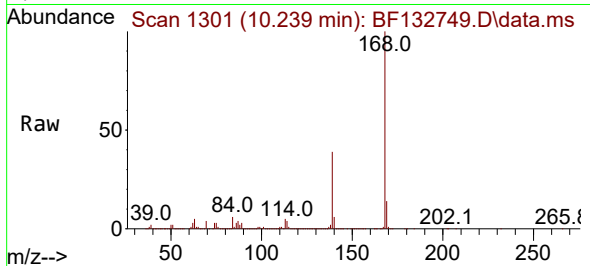
Tgt Ion:184 Resp: 271832
Ion Ratio Lower Upper
184 100
63 54.5 51.4 77.2
154 60.8 48.3 72.5





#55
Dibenzenofuran
Concen: 46.914 ng
RT: 10.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

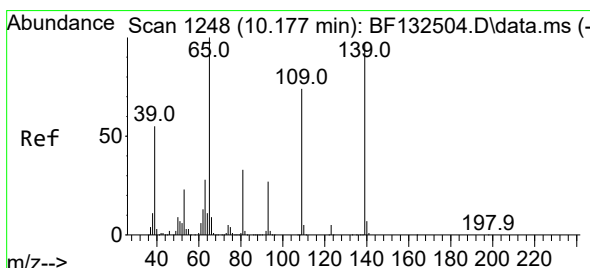
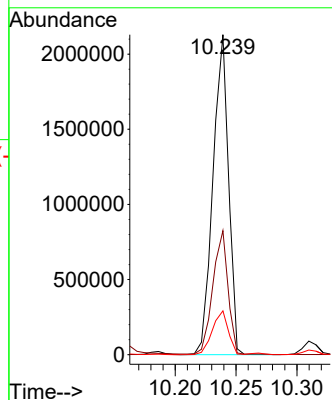
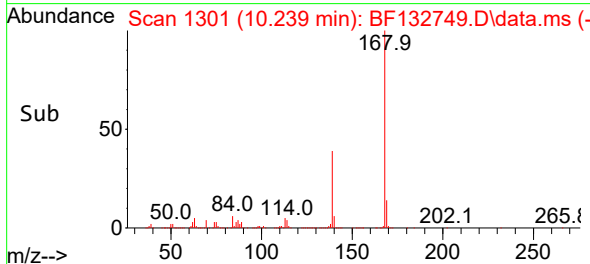
Instrument :
BNA_F
ClientSampleId :
TP-4MSD



Tgt Ion:168 Resp: 1896060
Ion Ratio Lower Upper
168 100
139 38.8 29.8 44.6
169 13.7 10.9 16.3

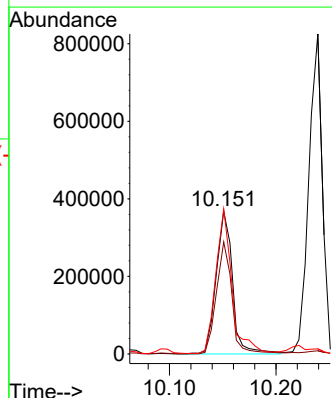
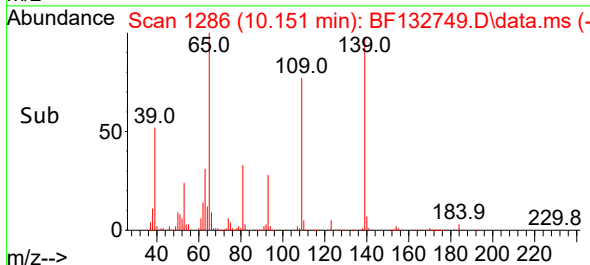
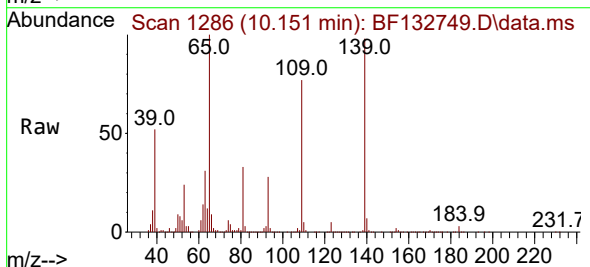
Manual Integrations
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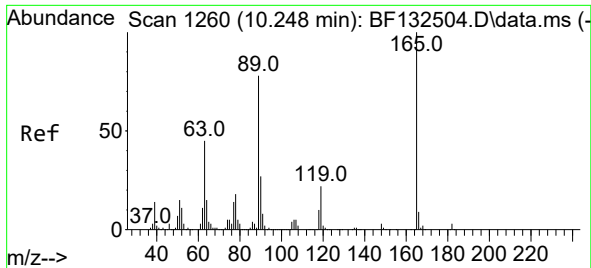
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#56
4-Nitrophenol
Concen: 61.937 ng
RT: 10.151 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

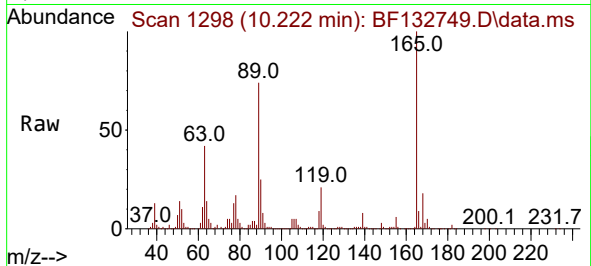
Tgt Ion:139 Resp: 391680
Ion Ratio Lower Upper
139 100
109 78.5 56.7 96.7
65 101.7 83.5 123.5





#57
2,4-Dinitrotoluene
Concen: 37.984 ng
RT: 10.222 min Scan# 1359
Delta R.T. 0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

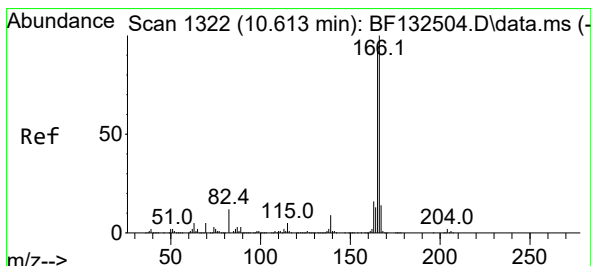
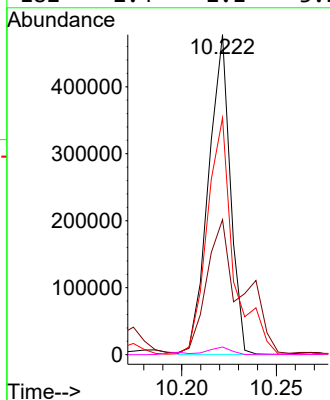
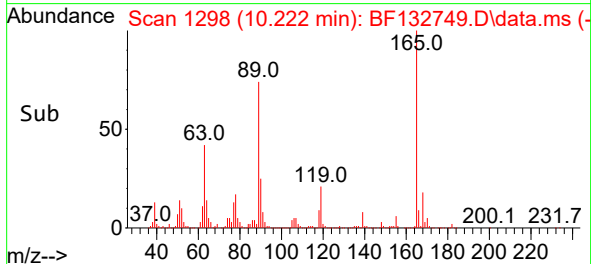
Instrument :
BNA_F
ClientSampleId :
TP-4MSD



Tgt Ion:165 Resp: 38305
Ion Ratio Lower Upper
165 100
63 42.2 36.5 54.7
89 74.0 62.4 93.6
182 2.4 2.1 3.1

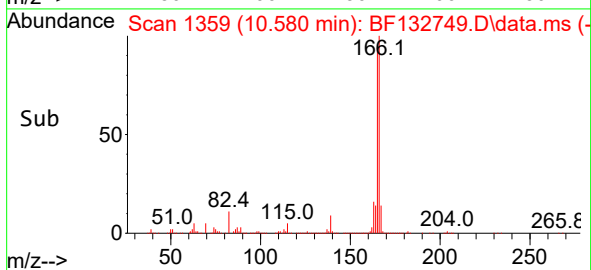
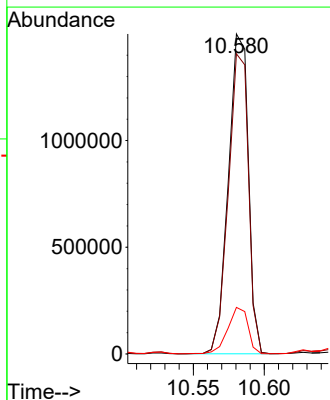
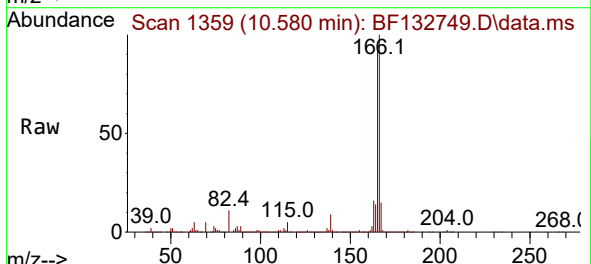
Manual Integrations
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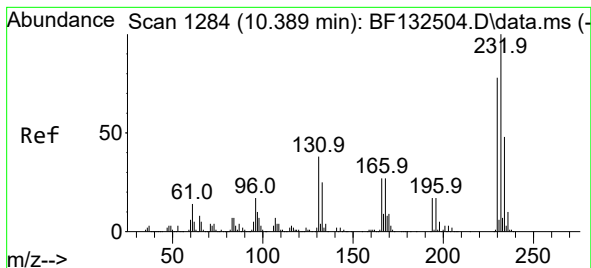
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#58
Fluorene
Concen: 47.617 ng
RT: 10.580 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

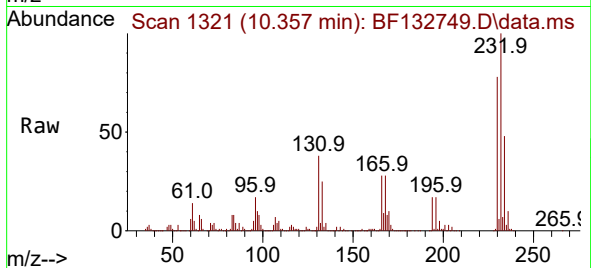
Tgt Ion:166 Resp: 1472036
Ion Ratio Lower Upper
166 100
165 93.8 74.2 111.4
167 14.5 11.1 16.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 40.389 ng
RT: 10.357 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

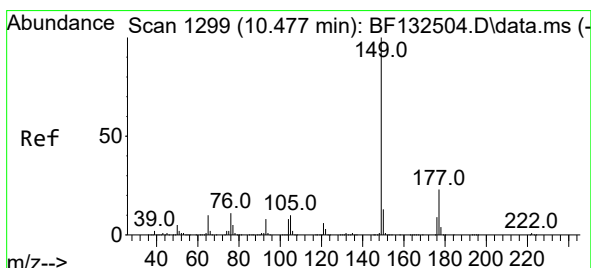
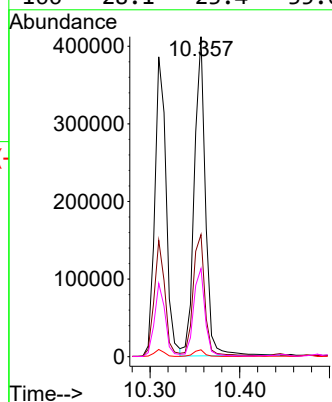
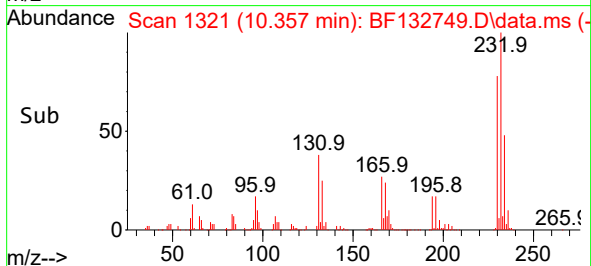
Instrument :
BNA_F
ClientSampleId :
TP-4MSD



Tgt Ion:232 Resp: 354920
Ion Ratio Lower Upper
232 100
131 40.1 33.8 50.8
130 2.0 1.7 2.5
166 28.1 23.4 35.0

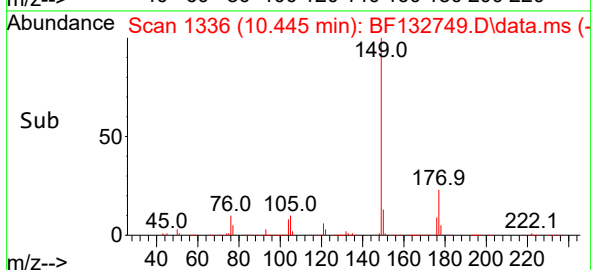
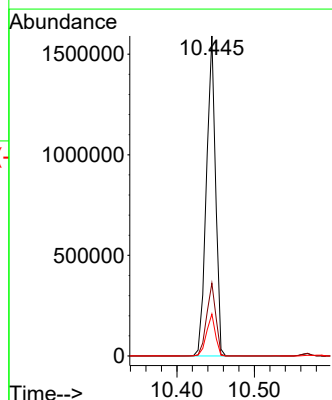
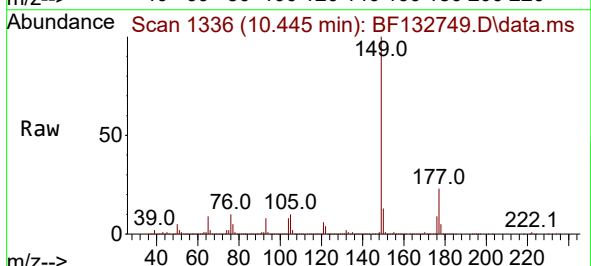
Manual Integrations
APPROVED

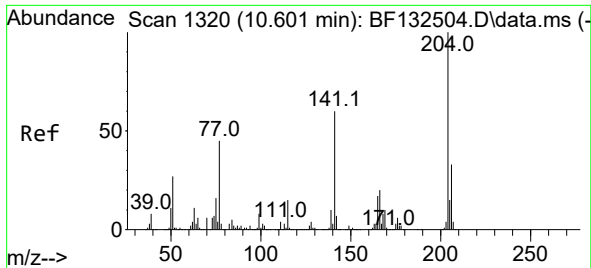
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#60
Diethylphthalate
Concen: 40.034 ng
RT: 10.445 min Scan# 1336
Delta R.T. -0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

Tgt Ion:149 Resp: 1301432
Ion Ratio Lower Upper
149 100
177 22.8 18.1 27.1
150 13.1 10.2 15.2





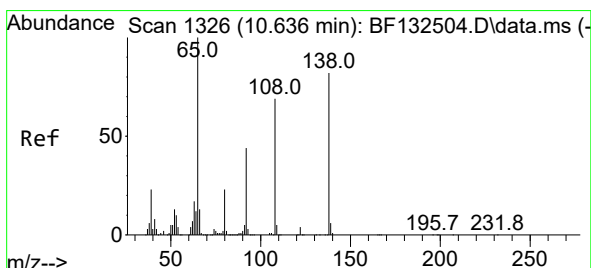
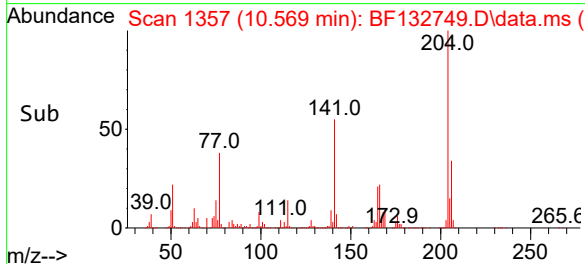
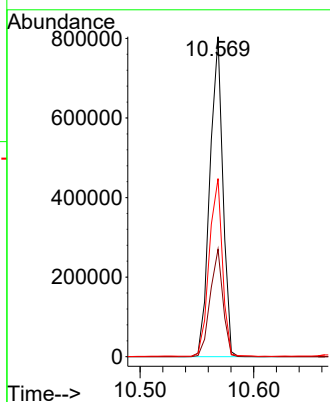
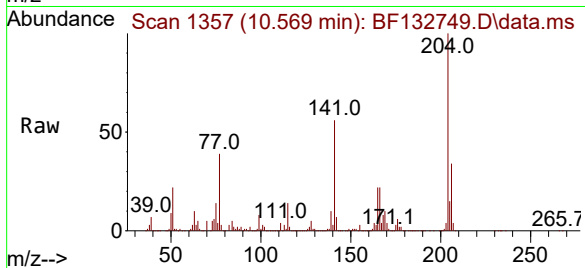
#61
4-Chlorophenyl-phenylether
Concen: 39.770 ng
RT: 10.569 min Scan# 1357
Delta R.T. 0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tgt Ion:204 Resp: 637812
Ion Ratio Lower Upper
204 100
206 33.6 26.3 39.5
141 55.7 47.8 71.8

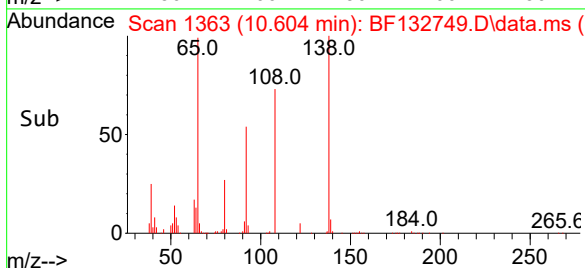
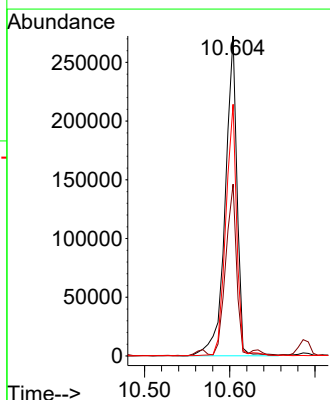
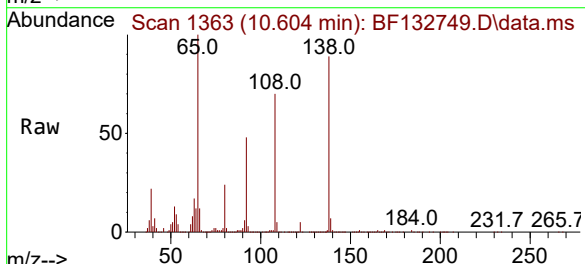
Manual Integrations
APPROVED

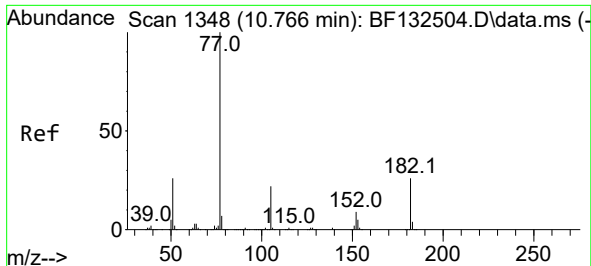
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#62
4-Nitroaniline
Concen: 31.563 ng
RT: 10.604 min Scan# 1363
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

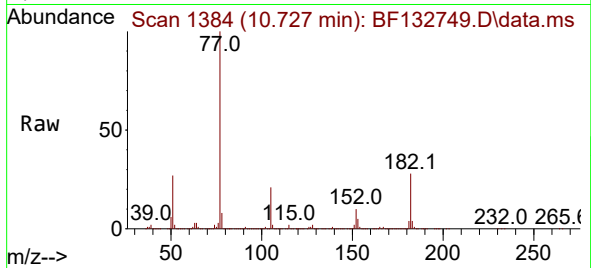
Tgt Ion:138 Resp: 262718
Ion Ratio Lower Upper
138 100
92 53.7 33.8 73.8
108 78.7 63.7 103.7





#63
Azobenzene
Concen: 37.861 ng
RT: 10.727 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

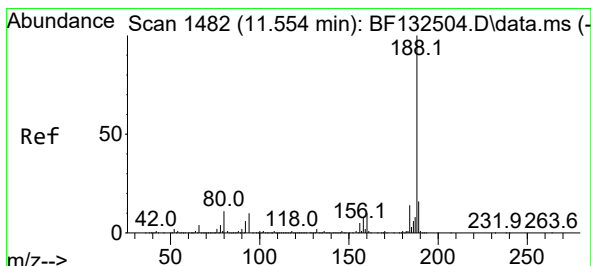
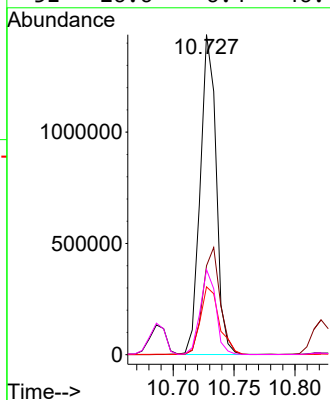
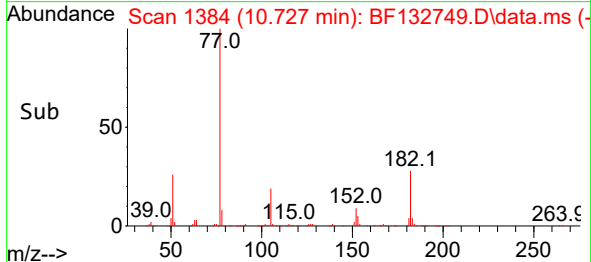
Instrument :
BNA_F
ClientSampleId :
TP-4MSD



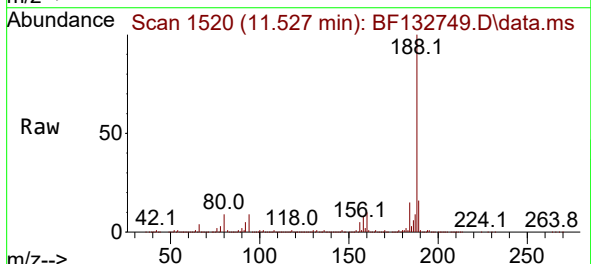
Tgt Ion: 77 Resp: 1303474
Ion Ratio Lower Upper
77 100
182 27.8 5.5 45.5
105 21.2 1.8 41.8
51 26.6 6.4 46.4

Manual Integrations
APPROVED

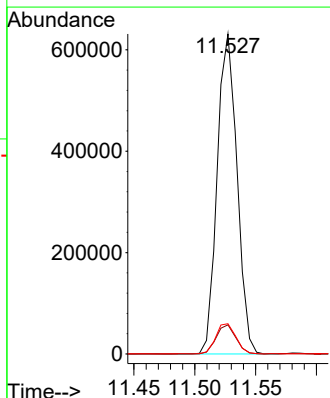
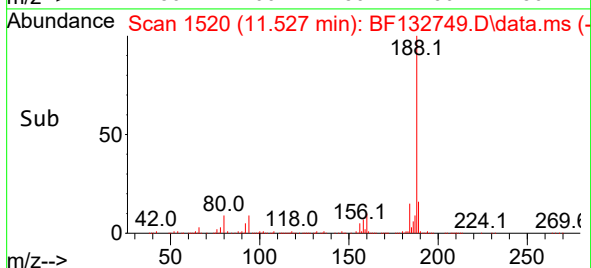
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023

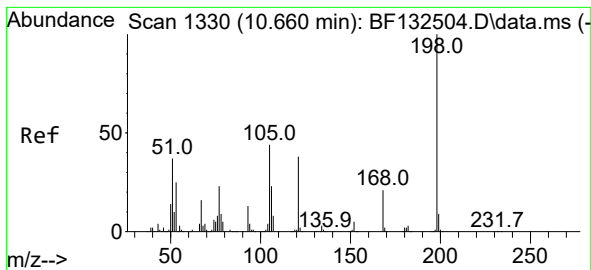


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.527 min Scan# 1520
Delta R.T. -0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15



Tgt Ion:188 Resp: 716753
Ion Ratio Lower Upper
188 100
94 9.1 8.3 12.5
80 9.5 8.7 13.1





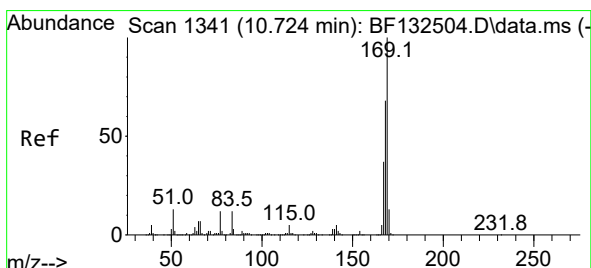
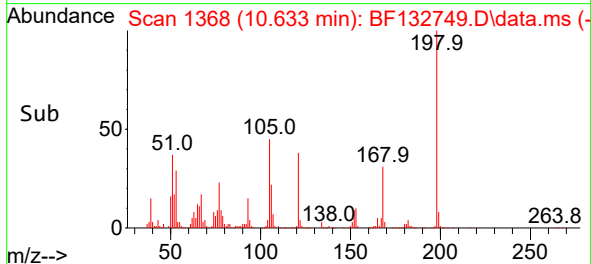
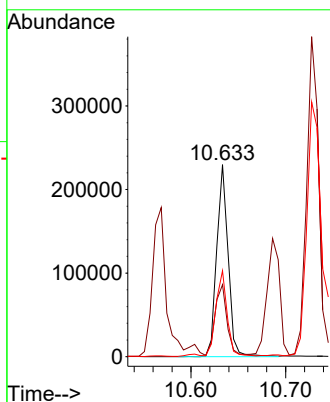
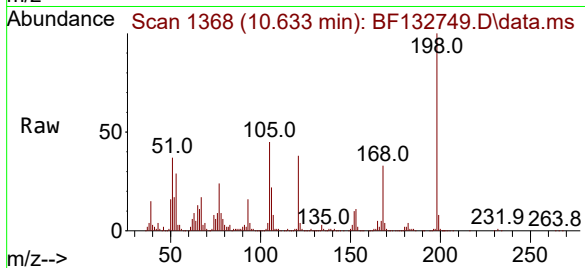
#65
4,6-Dinitro-2-methylphenol
Concen: 39.604 ng
RT: 10.633 min Scan# 1368
Delta R.T. 0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tgt Ion:198 Resp: 192162
Ion Ratio Lower Upper
198 100
51 37.5 20.6 60.6
105 44.7 24.3 64.3

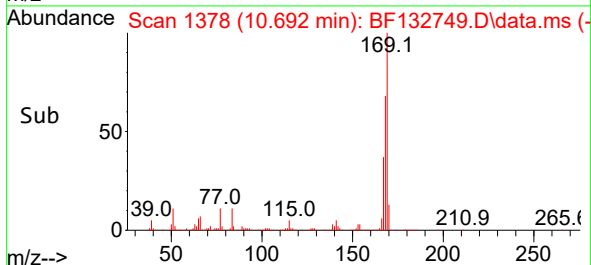
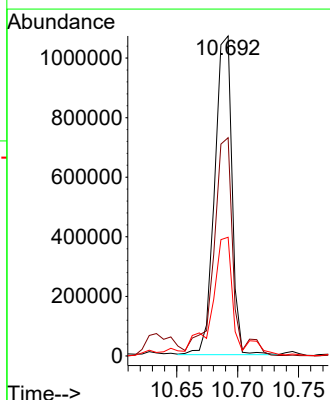
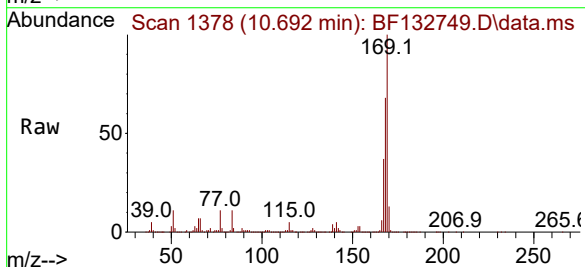
Manual Integrations
APPROVED

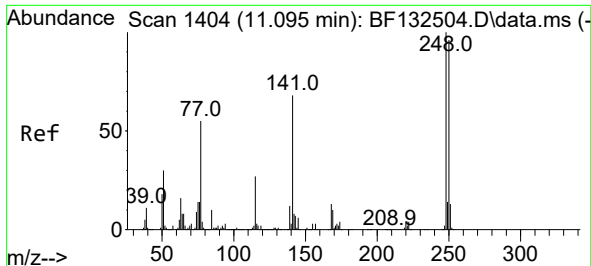
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#66
n-Nitrosodiphenylamine
Concen: 47.386 ng
RT: 10.692 min Scan# 1378
Delta R.T. 0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

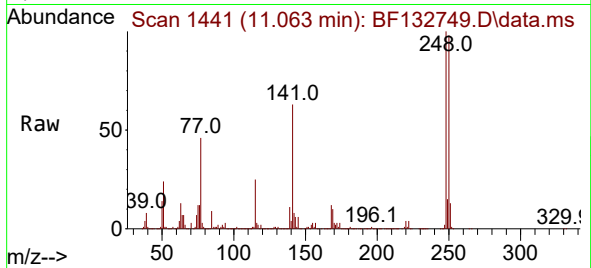
Tgt Ion:169 Resp: 1058863
Ion Ratio Lower Upper
169 100
168 68.2 54.2 81.4
167 37.1 29.6 44.4





#67
4-Bromophenyl-phenylether
Concen: 48.796 ng
RT: 11.063 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

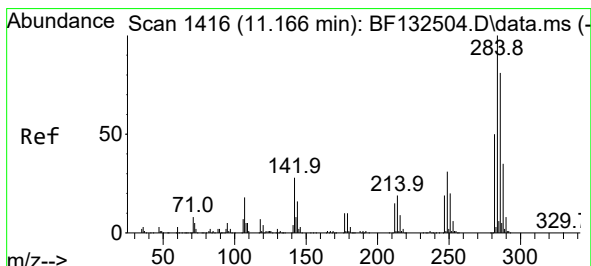
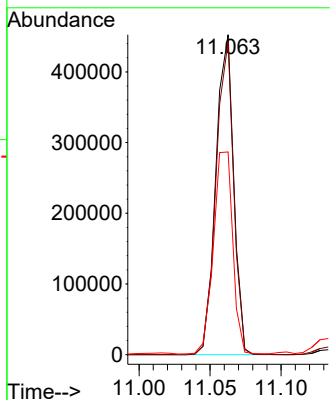
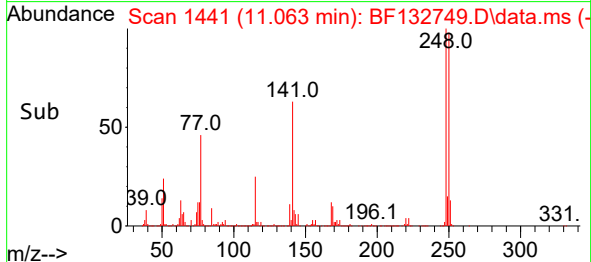
Instrument :
BNA_F
ClientSampleId :
TP-4MSD



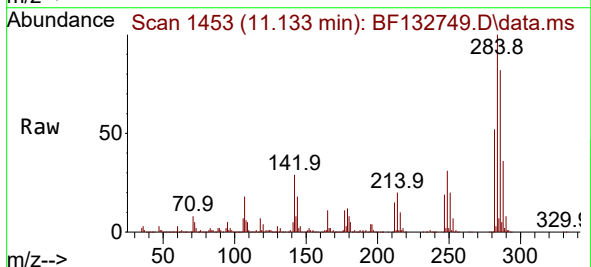
Tgt Ion:248 Resp: 395617
Ion Ratio Lower Upper
248 100
250 97.9 77.0 115.4
141 63.4 54.2 81.2

Manual Integrations
APPROVED

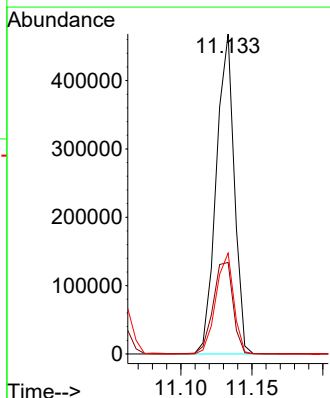
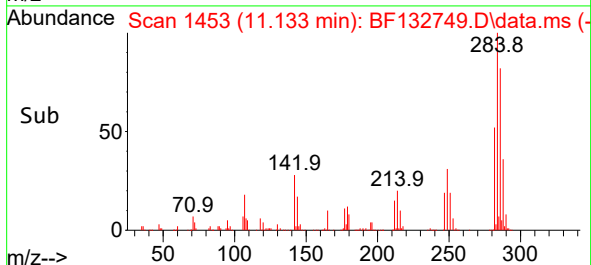
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023

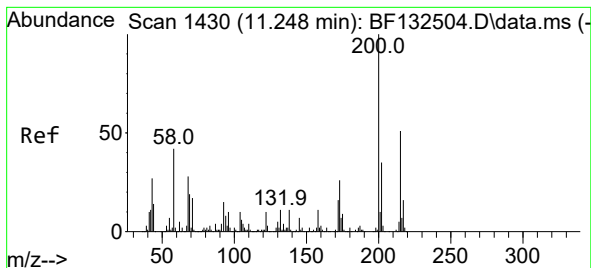


#68
Hexachlorobenzene
Concen: 48.267 ng
RT: 11.133 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15



Tgt Ion:284 Resp: 411770
Ion Ratio Lower Upper
284 100
142 28.6 22.2 33.4
249 31.5 24.9 37.3





#69

Atrazine

Concen: 49.137 ng

RT: 11.216 min Scan# 1467

Delta R.T. -0.006 min

Lab File: BF132749.D

Acq: 10 Mar 2023 19:15

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

Tgt Ion:200 Resp: 342779

Ion Ratio Lower Upper

200 100

173 25.6 6.4 46.4

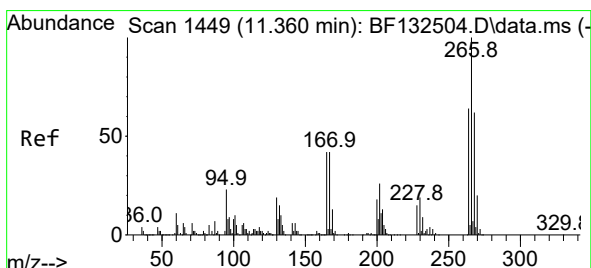
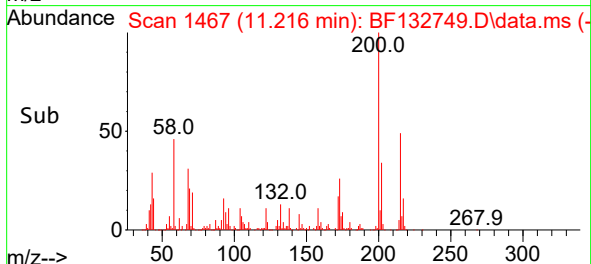
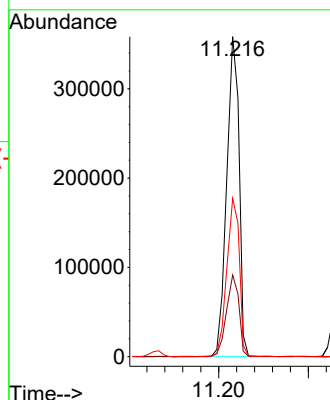
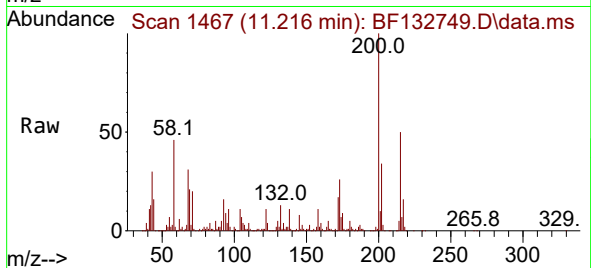
215 49.5 31.0 71.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/13/2023

Supervised By :Jagrut Upadhyay 03/13/2023



#70

Pentachlorophenol

Concen: 67.474 ng

RT: 11.333 min Scan# 1487

Delta R.T. 0.000 min

Lab File: BF132749.D

Acq: 10 Mar 2023 19:15

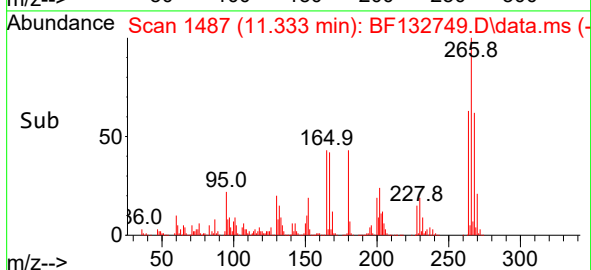
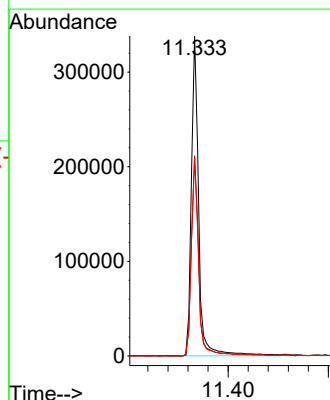
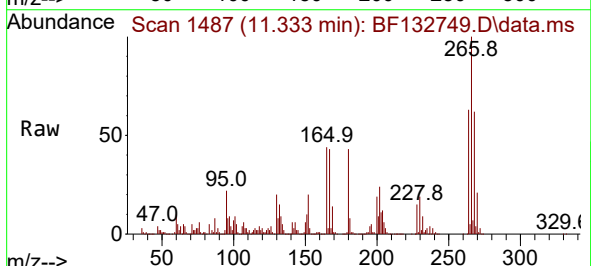
Tgt Ion:266 Resp: 342478

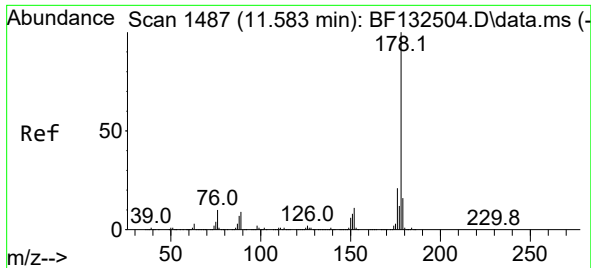
Ion Ratio Lower Upper

266 100

268 62.0 49.8 74.6

264 62.5 50.9 76.3





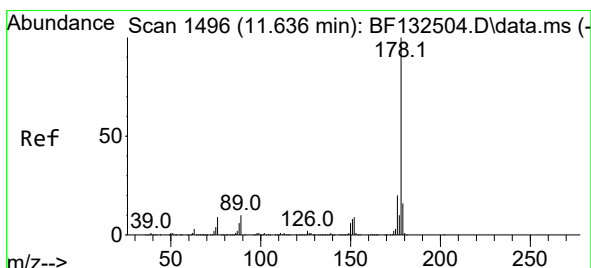
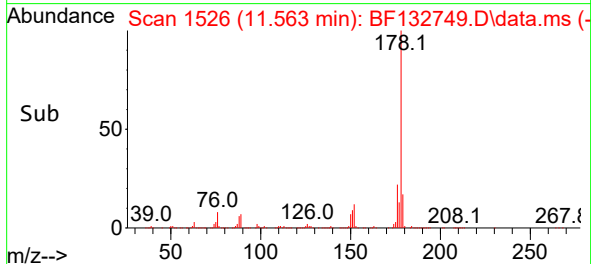
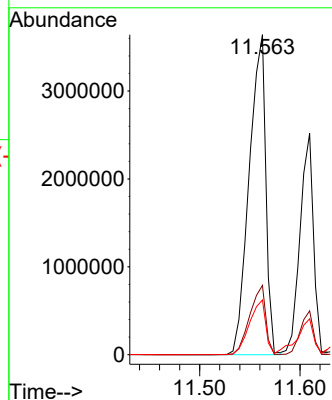
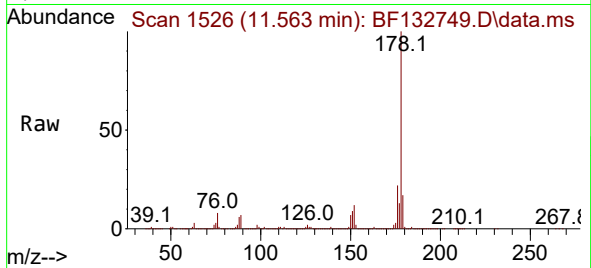
#71
Phenanthrene
Concen: 112.503 ng
RT: 11.563 min Scan# 1153
Delta R.T. 0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tgt Ion:178 Resp: 4177380
Ion Ratio Lower Upper
178 100
176 21.7 16.5 24.7
179 17.1 13.0 19.6

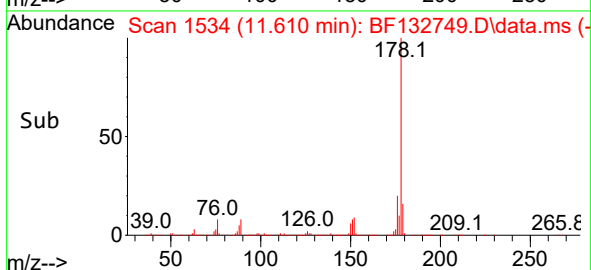
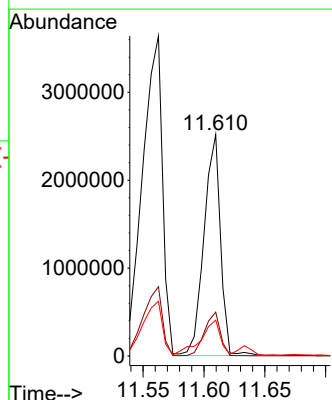
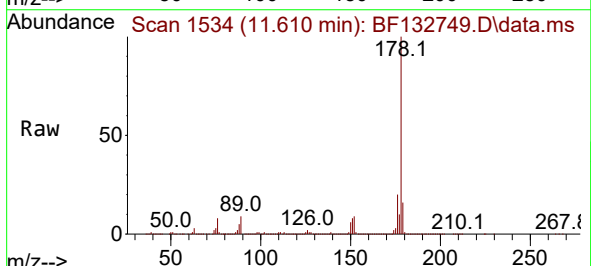
Manual Integrations
APPROVED

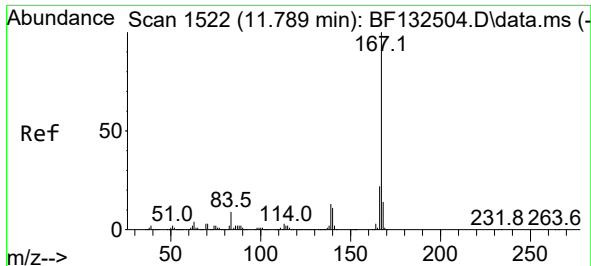
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#72
Anthracene
Concen: 61.888 ng
RT: 11.610 min Scan# 1534
Delta R.T. 0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

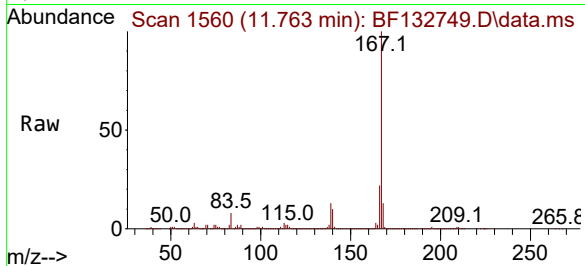
Tgt Ion:178 Resp: 2366398
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 16.2 12.5 18.7





#73
 Carbazole
 Concen: 47.166 ng
 RT: 11.763 min Scan# 1612
 Delta R.T. 0.000 min
 Lab File: BF132749.D
 Acq: 10 Mar 2023 19:15

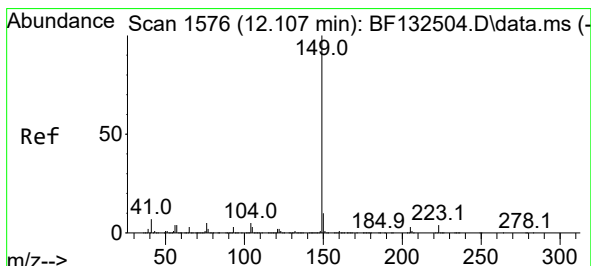
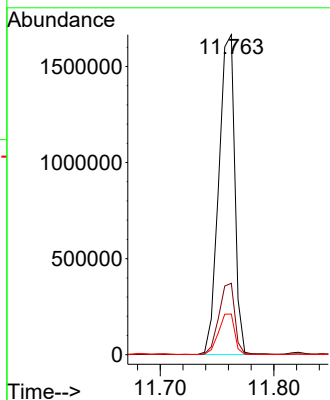
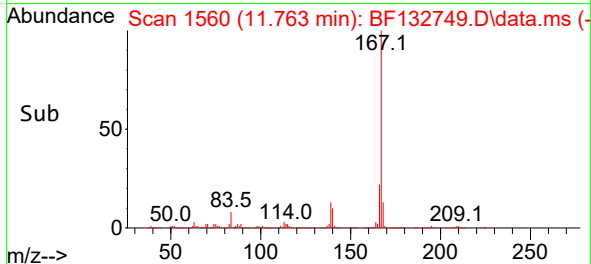
Instrument :
 BNA_F
 ClientSampleId :
 TP-4MSD



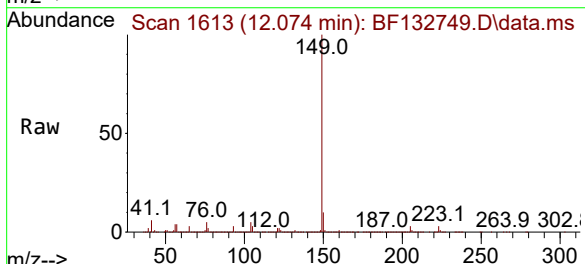
Tgt Ion:167 Resp: 1626000
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.7 26.5
 139 12.7 10.5 15.7

Manual Integrations
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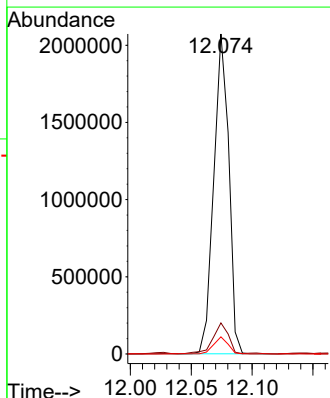
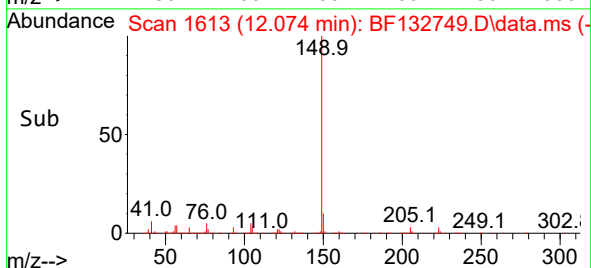
Reviewed By :Christian Giraldo 03/13/2023
 Supervised By :Jagrut Upadhyay 03/13/2023

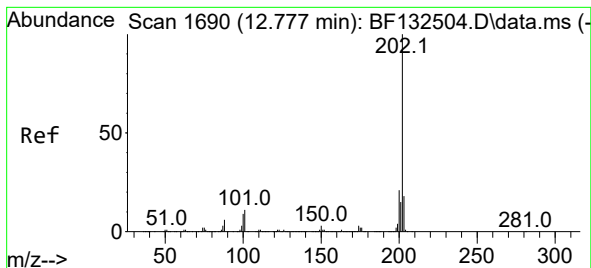


#74
 Di-n-butylphthalate
 Concen: 43.795 ng
 RT: 12.074 min Scan# 1613
 Delta R.T. 0.000 min
 Lab File: BF132749.D
 Acq: 10 Mar 2023 19:15



Tgt Ion:149 Resp: 1771033
 Ion Ratio Lower Upper
 149 100
 150 9.7 7.8 11.8
 104 5.3 4.3 6.5





#75

Fluoranthene

Concen: 96.642 ng

RT: 12.757 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF132749.D

Acq: 10 Mar 2023 19:15

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

Tgt Ion:202 Resp: 3922910

Ion Ratio Lower Upper

202 100

101 9.7 0.0 31.4

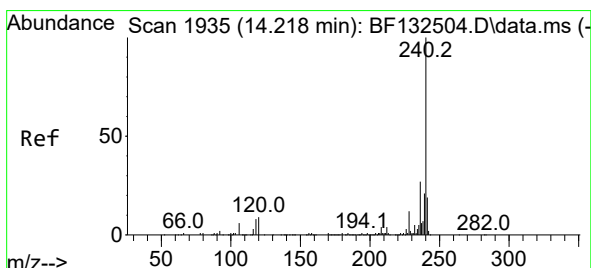
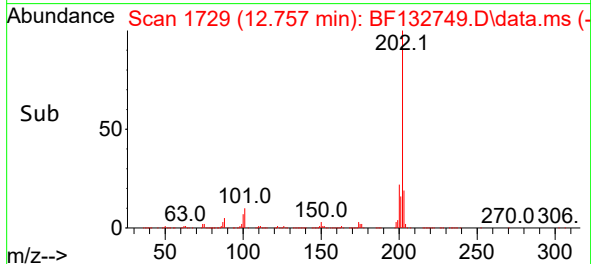
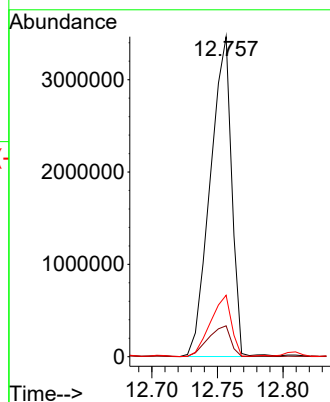
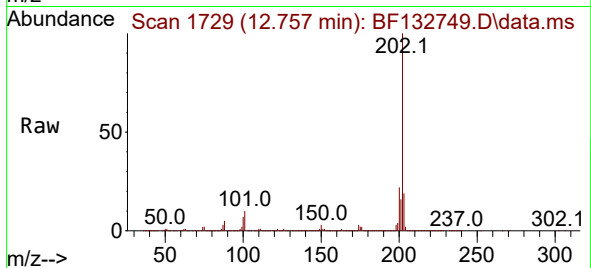
203 19.2 0.0 38.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/13/2023

Supervised By :Jagrut Upadhyay 03/13/2023



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.186 min Scan# 1972

Delta R.T. -0.000 min

Lab File: BF132749.D

Acq: 10 Mar 2023 19:15

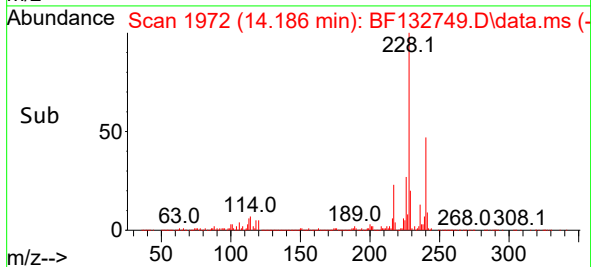
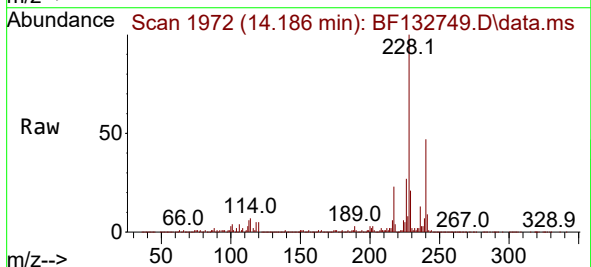
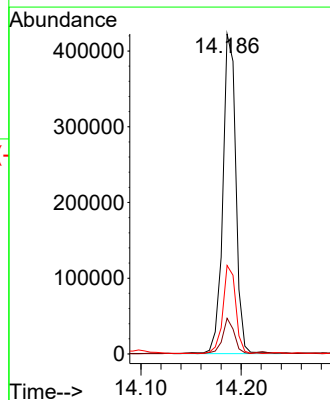
Tgt Ion:240 Resp: 380204

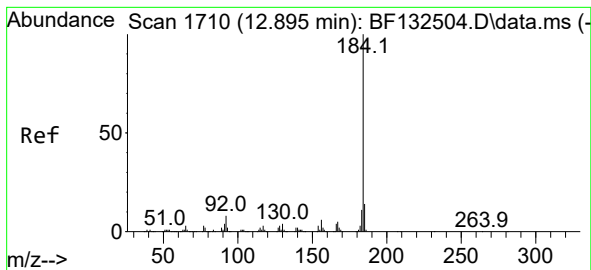
Ion Ratio Lower Upper

240 100

120 11.2 7.2 10.8#

236 27.6 21.8 32.6





#77

Benzidine

Concen: 64.449 ng

RT: 12.868 min Scan# 1710

Delta R.T. 0.000 min

Lab File: BF132749.D

Acq: 10 Mar 2023 19:15

Instrument :

BNA_F

ClientSampleId :

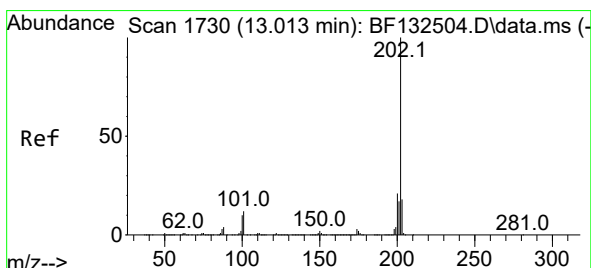
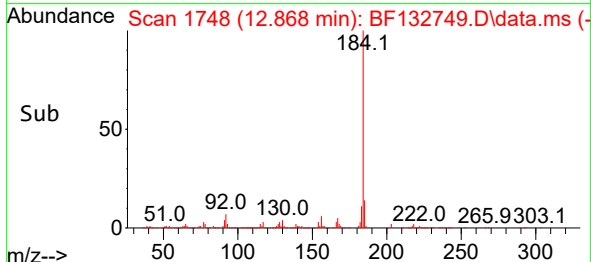
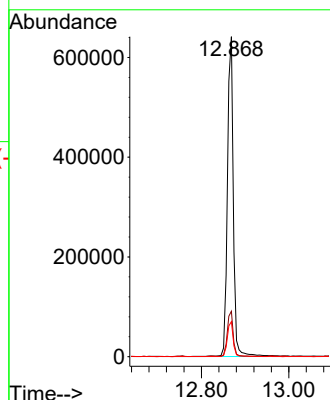
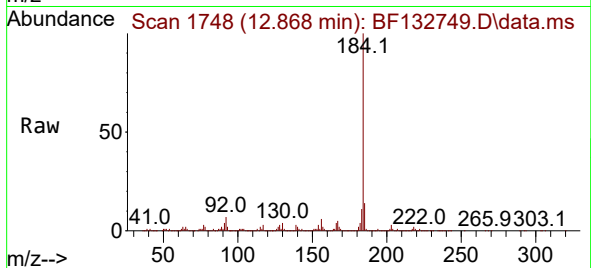
TP-4MSD

Tgt Ion:184	Resp: 59649
Ion Ratio	Lower Upper
184 100	
185 14.2	11.7 17.5
183 10.9	8.7 13.1

Manual Integrations

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Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#78

Pyrene

Concen: 100.338 ng

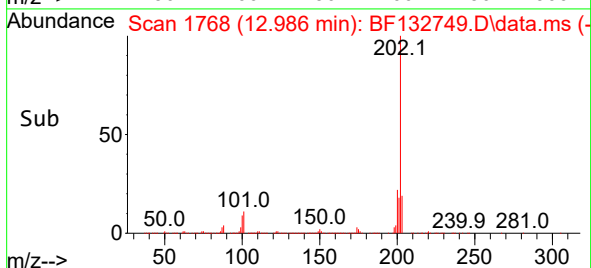
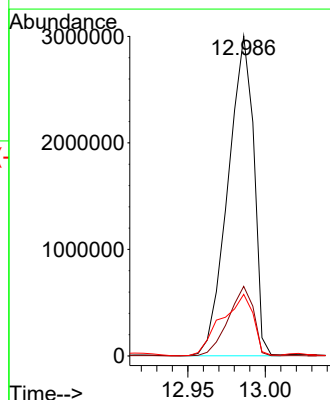
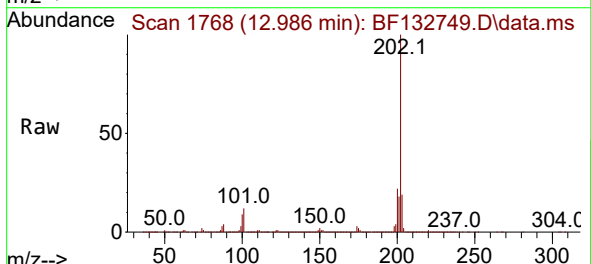
RT: 12.986 min Scan# 1768

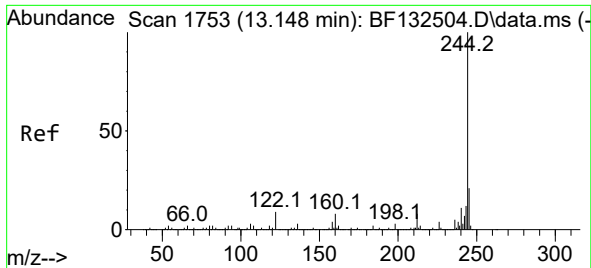
Delta R.T. 0.006 min

Lab File: BF132749.D

Acq: 10 Mar 2023 19:15

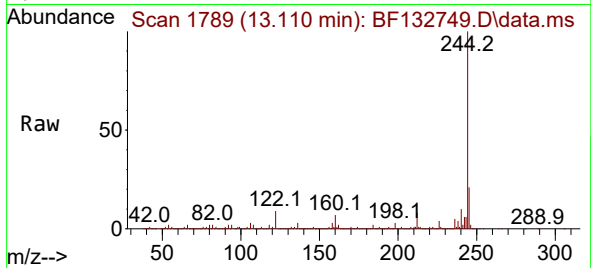
Tgt Ion:202	Resp: 3468420
Ion Ratio	Lower Upper
202 100	
200 21.7	17.1 25.7
203 19.3	14.6 21.8





#79
 Terphenyl-d14
 Concen: 68.385 ng
 RT: 13.110 min Scan# 1753
 Delta R.T. -0.006 min
 Lab File: BF132749.D
 Acq: 10 Mar 2023 19:15

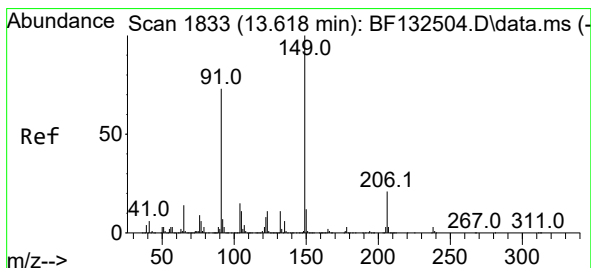
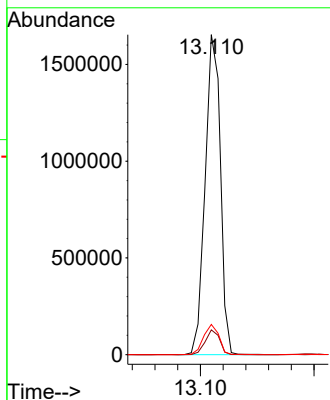
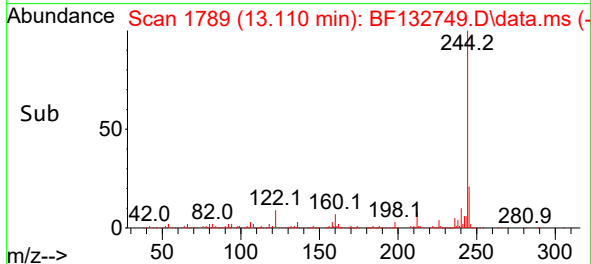
Instrument :
 BNA_F
 ClientSampleId :
 TP-4MSD



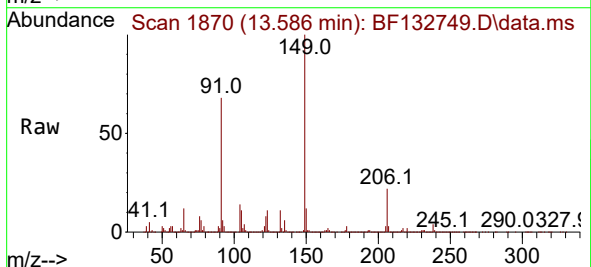
Tgt Ion:244 Resp: 1537799
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.5 9.7
 122 9.4 7.5 11.3

Manual Integrations
 APPROVED

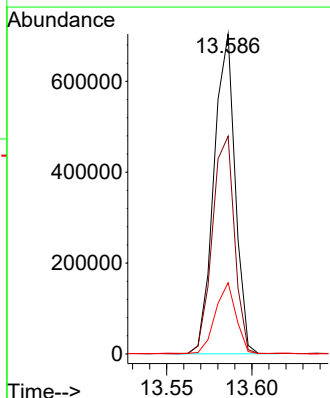
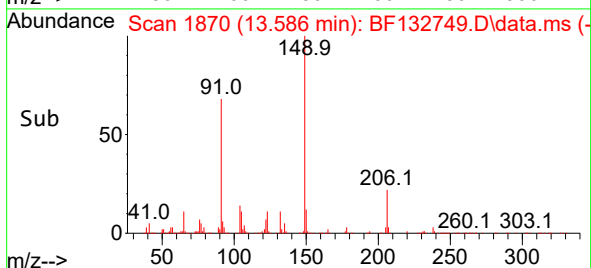
Reviewed By :Christian Giraldo 03/13/2023
 Supervised By :Jagrut Upadhyay 03/13/2023

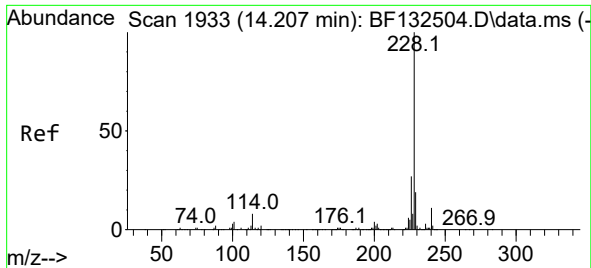


#80
 Butylbenzylphthalate
 Concen: 44.699 ng
 RT: 13.586 min Scan# 1870
 Delta R.T. 0.000 min
 Lab File: BF132749.D
 Acq: 10 Mar 2023 19:15



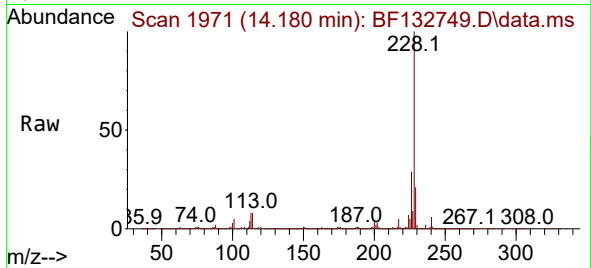
Tgt Ion:149 Resp: 609733
 Ion Ratio Lower Upper
 149 100
 91 68.1 58.4 87.6
 206 22.2 16.8 25.2





#81
Benzo(a)anthracene
Concen: 80.964 ng
RT: 14.180 min Scan# 1933
Delta R.T. 0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

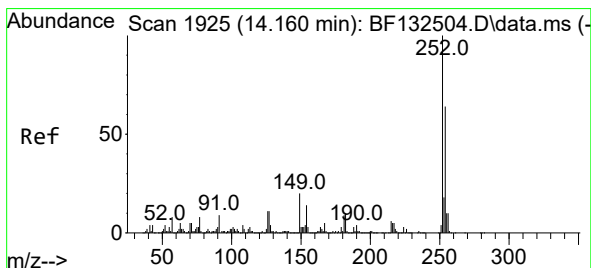
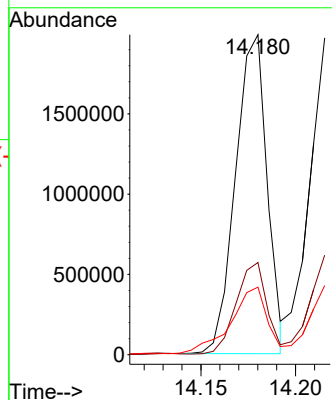
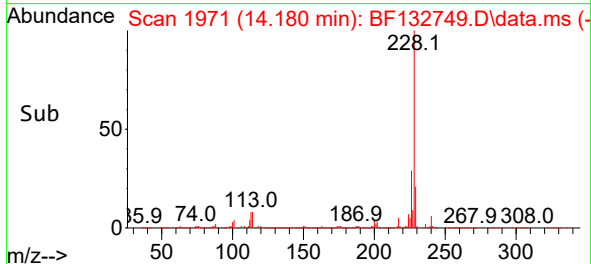
Instrument :
BNA_F
ClientSampleId :
TP-4MSD



Tgt Ion:228 Resp: 230324
Ion Ratio Lower Upper
228 100
226 28.8 21.7 32.5
229 21.1 15.4 23.2

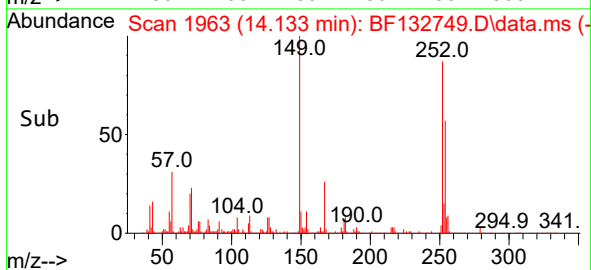
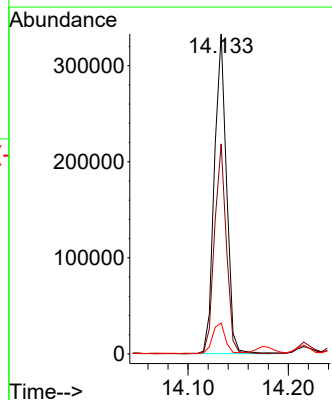
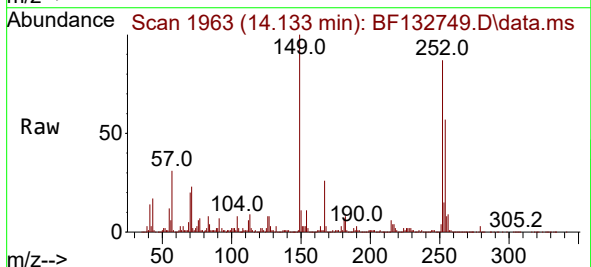
Manual Integrations
APPROVED

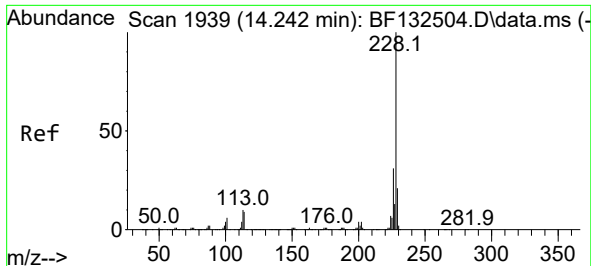
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#82
3,3'-Dichlorobenzidine
Concen: 33.254 ng
RT: 14.133 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

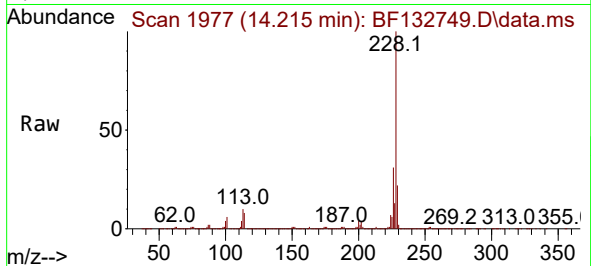
Tgt Ion:252 Resp: 278900
Ion Ratio Lower Upper
252 100
254 65.6 51.4 77.2
126 9.7 8.9 13.3





#83
Chrysene
Concen: 77.240 ng
RT: 14.215 min Scan# 1939
Delta R.T. 0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

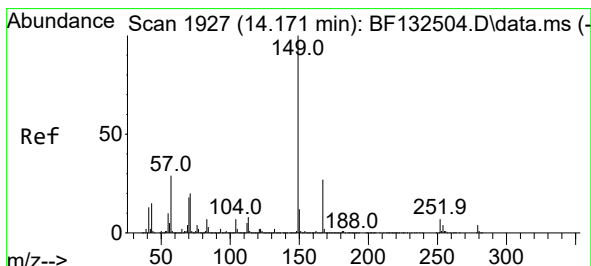
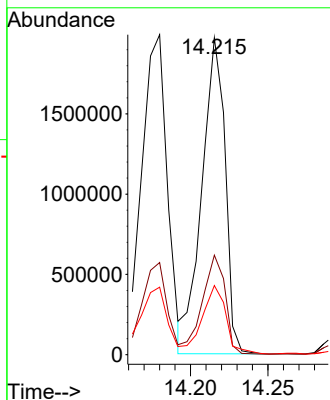
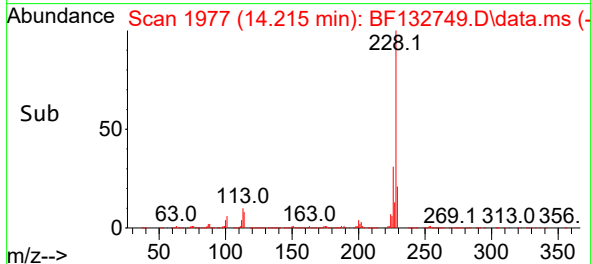
Instrument :
BNA_F
ClientSampleId :
TP-4MSD



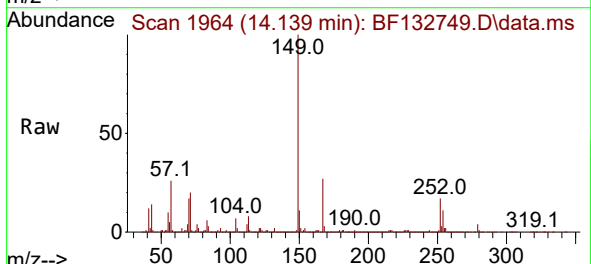
Tgt Ion:228 Resp: 2054744
Ion Ratio Lower Upper
228 100
226 31.4 25.0 37.6
229 21.8 16.4 24.6

Manual Integrations
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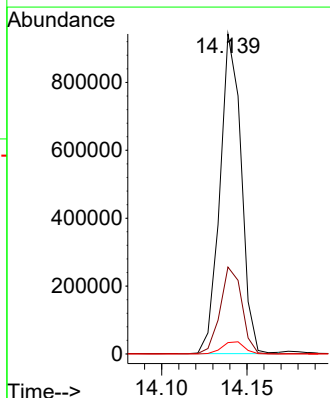
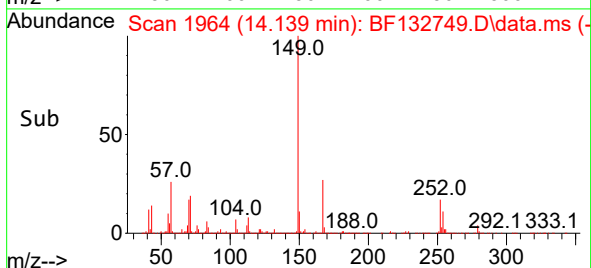
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023

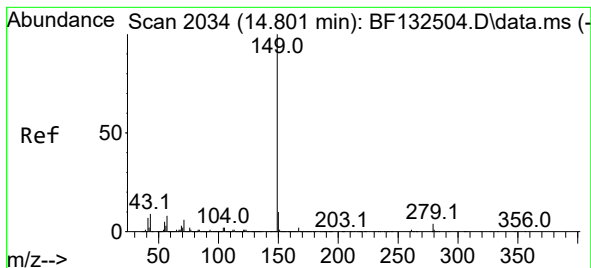


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.768 ng
RT: 14.139 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15



Tgt Ion:149 Resp: 817221
Ion Ratio Lower Upper
149 100
167 27.1 21.8 32.6
279 3.5 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 59.773 ng

RT: 14.768 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF132749.D

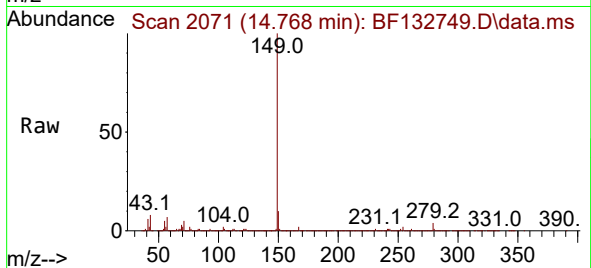
Acq: 10 Mar 2023 19:15

Instrument :

BNA_F

ClientSampleId :

TP-4MSD



Tgt Ion:149 Resp: 146369

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

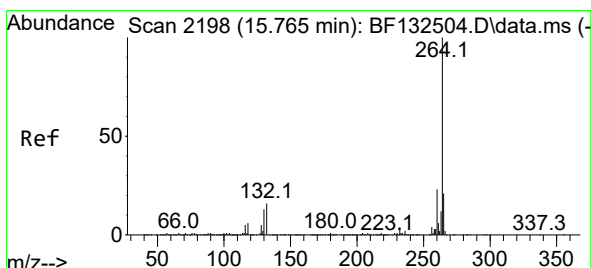
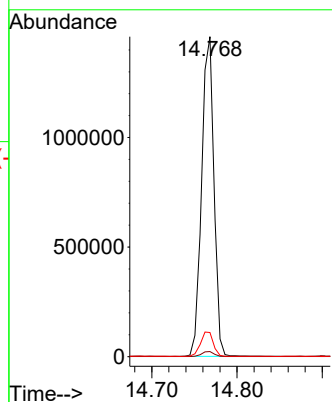
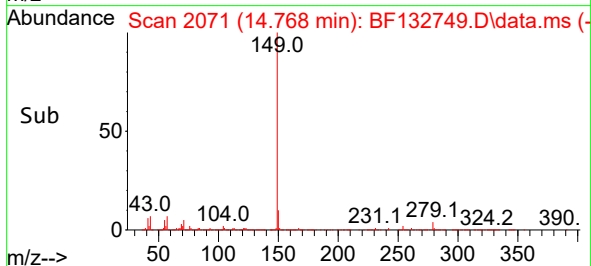
43 7.9 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/13/2023

Supervised By :Jagrut Upadhyay 03/13/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.727 min Scan# 2234

Delta R.T. 0.000 min

Lab File: BF132749.D

Acq: 10 Mar 2023 19:15

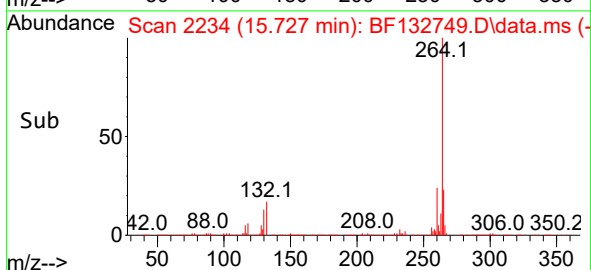
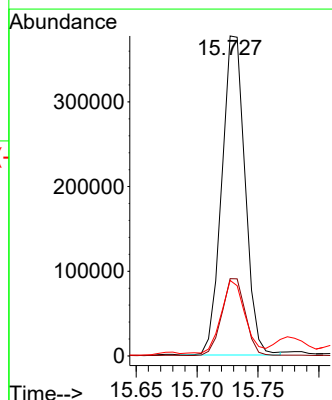
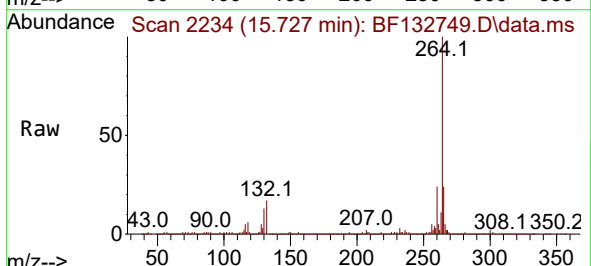
Tgt Ion:264 Resp: 501143

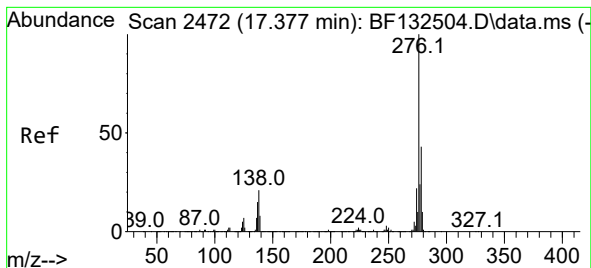
Ion Ratio Lower Upper

264 100

260 24.1 18.8 28.2

265 23.6 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.085 ng

RT: 17.333 min Scan# 2157

Delta R.T. 0.006 min

Lab File: BF132749.D

Acq: 10 Mar 2023 19:15

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

Tgt Ion:276 Resp: 157897

Ion Ratio Lower Upper

276 100

138 21.5 19.0 28.4

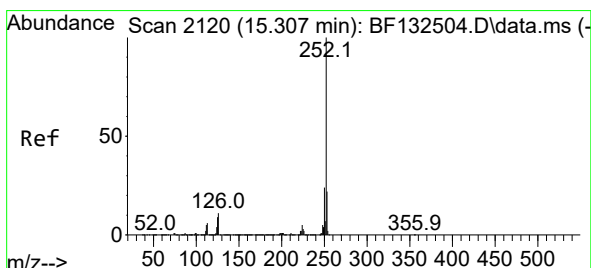
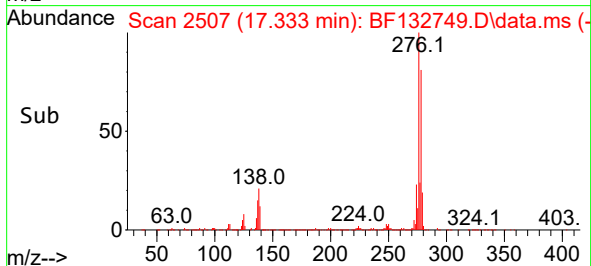
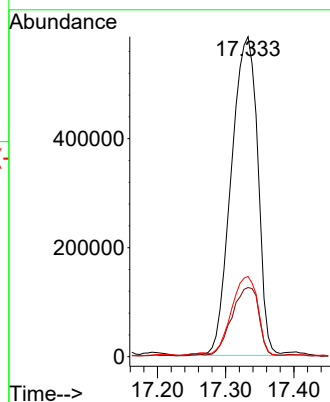
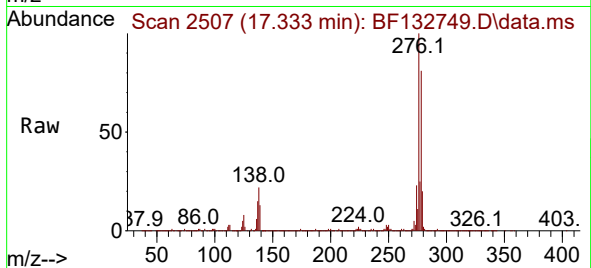
277 24.8 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/13/2023

Supervised By :Jagrut Upadhyay 03/13/2023



#88

Benzo(b)fluoranthene

Concen: 72.674 ng

RT: 15.274 min Scan# 2157

Delta R.T. 0.006 min

Lab File: BF132749.D

Acq: 10 Mar 2023 19:15

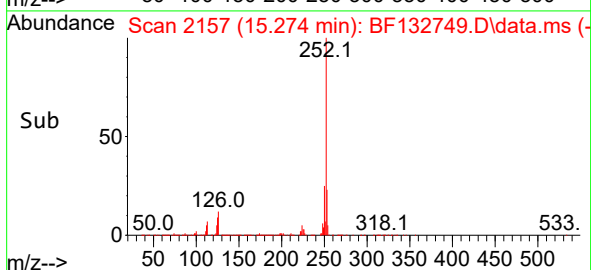
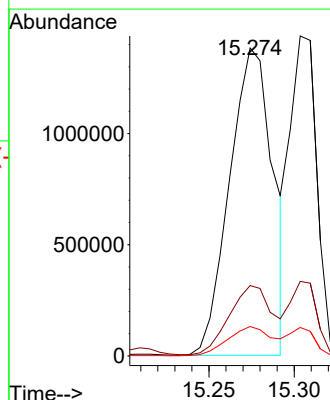
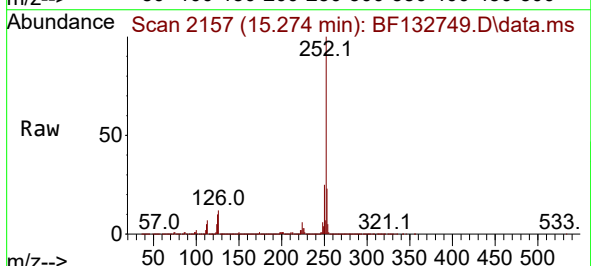
Tgt Ion:252 Resp: 2440708

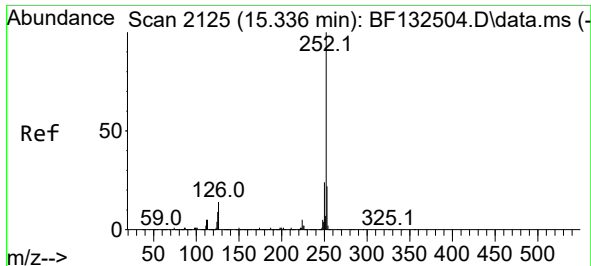
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 9.6 7.0 10.6





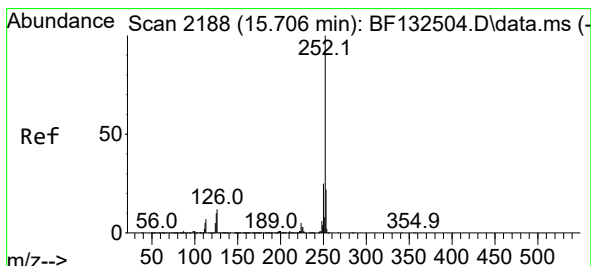
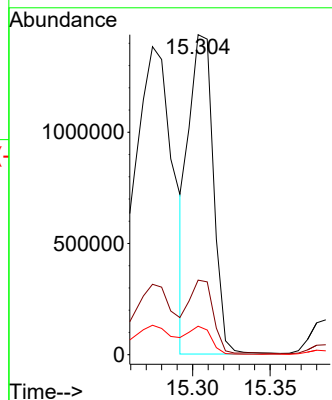
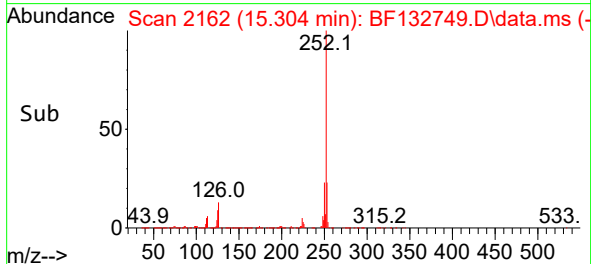
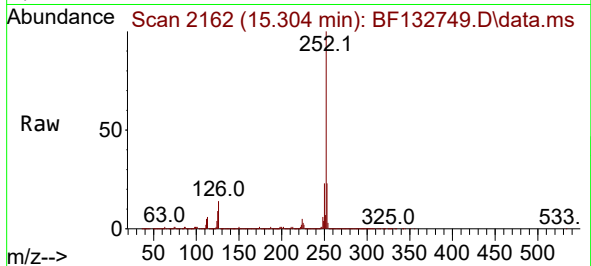
#89
Benzo(k)fluoranthene
Concen: 48.172 ng
RT: 15.304 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tgt Ion:252 Resp: 1583352
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 8.9 7.2 10.8

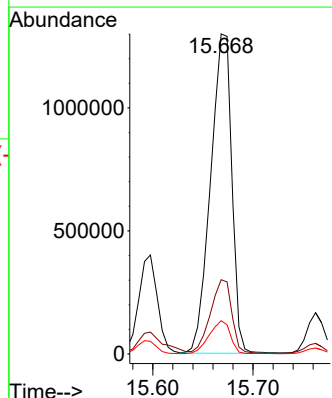
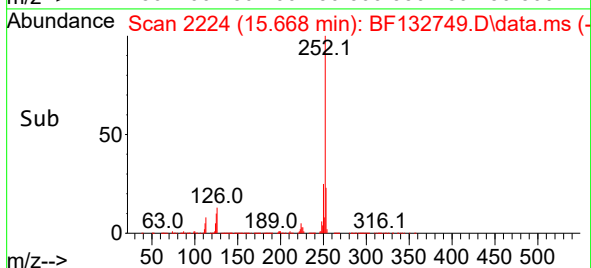
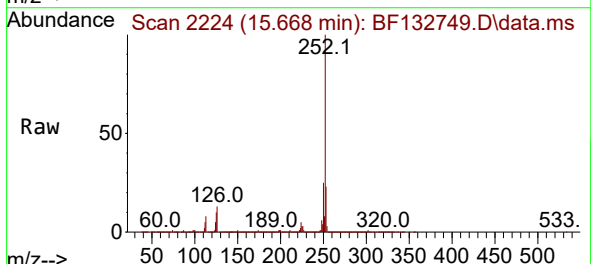
Manual Integrations
APPROVED

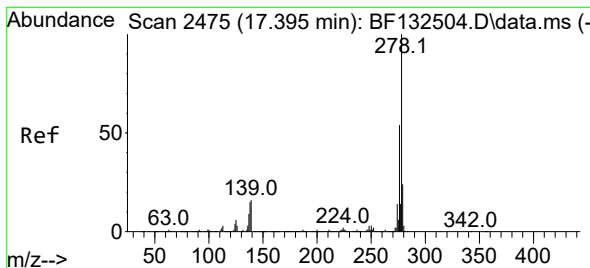
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#90
Benzo(a)pyrene
Concen: 60.800 ng
RT: 15.668 min Scan# 2224
Delta R.T. 0.006 min
Lab File: BF132749.D
Acq: 10 Mar 2023 19:15

Tgt Ion:252 Resp: 1911068
Ion Ratio Lower Upper
252 100
253 23.2 17.2 25.8
125 10.4 8.0 12.0





#91

Dibenzo(a,h)anthracene

Concen: 42.128 ng

RT: 17.345 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF132749.D

Acq: 10 Mar 2023 19:15

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

Tgt Ion:278 Resp: 1127129

Ion Ratio Lower Upper

278 100

139 14.1 13.0 19.4

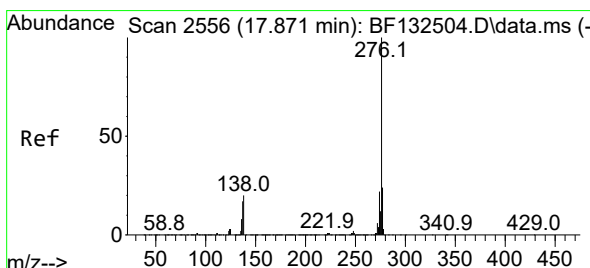
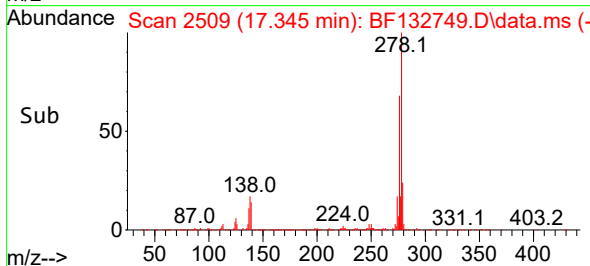
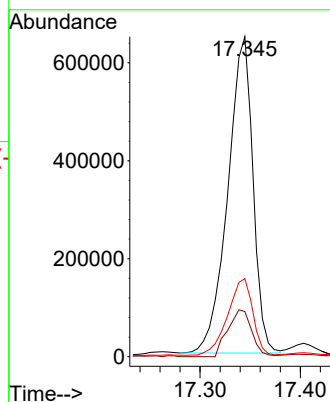
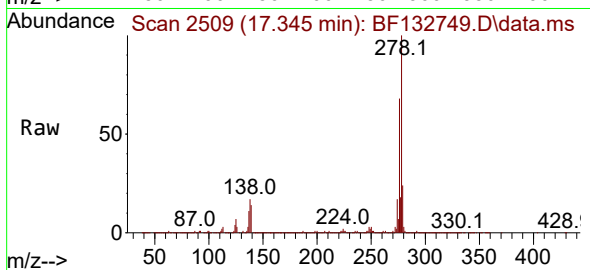
279 24.4 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/13/2023

Supervised By :Jagrut Upadhyay 03/13/2023



#92

Benzo(g,h,i)perylene

Concen: 40.853 ng

RT: 17.815 min Scan# 2589

Delta R.T. 0.000 min

Lab File: BF132749.D

Acq: 10 Mar 2023 19:15

Tgt Ion:276 Resp: 1227683

Ion Ratio Lower Upper

276 100

277 24.4 18.9 28.3

138 20.2 16.2 24.4

