

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072524\
 Data File : BF138663.D
 Acq On : 25 Jul 2024 20:23
 Operator : RC/JU
 Sample : P3352-01MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Quant Time: Jul 26 01:14:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	74539	20.000	ng	-0.01
21) Naphthalene-d8	8.139	136	280086	20.000	ng	-0.01
39) Acenaphthene-d10	9.892	164	123748	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	171285	20.000	ng	-0.01
76) Chrysene-d12	14.015	240	128579	20.000	ng	-0.01
86) Perylene-d12	15.474	264	98529	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	593267	126.053	ng	0.00
7) Phenol-d6	6.498	99	786241	125.578	ng	0.00
23) Nitrobenzene-d5	7.422	82	503311	88.228	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	127151	109.940	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	777940	98.252	ng	-0.02
79) Terphenyl-d14	12.957	244	626272	79.350	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	77031	36.955	ng	98
3) Pyridine	3.440	79	212155	41.272	ng	96
4) n-Nitrosodimethylamine	3.381	42	159377	47.628	ng	88
6) Aniline	6.522	93	252854	43.117	ng	# 59
8) 2-Chlorophenol	6.645	128	260711	52.387	ng	99
9) Benzaldehyde	6.404	77	17586	5.248	ng	99
10) Phenol	6.510	94	340136	51.181	ng	85
11) bis(2-Chloroethyl)ether	6.592	93	259291	51.821	ng	98
12) 1,3-Dichlorobenzene	6.798	146	264389	47.263	ng	98
13) 1,4-Dichlorobenzene	6.875	146	267118	47.023	ng	99
14) 1,2-Dichlorobenzene	7.022	146	250766	47.398	ng	97
15) Benzyl Alcohol	6.998	79	245202	52.185	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.128	45	451467	45.882	ng	78
17) 2-Methylphenol	7.116	107	203361	49.860	ng	# 92
18) Hexachloroethane	7.363	117	96382	46.153	ng	94
19) n-Nitroso-di-n-propyla...	7.269	70	197146	50.959	ng	94
20) 3+4-Methylphenols	7.269	107	255128	49.674	ng	91
22) Acetophenone	7.269	105	332097	48.820	ng	99
24) Nitrobenzene	7.439	77	290580	50.124	ng	98
25) Isophorone	7.681	82	520039	53.083	ng	98
26) 2-Nitrophenol	7.757	139	133747	53.829	ng	98
27) 2,4-Dimethylphenol	7.792	122	168160	55.066	ng	98
28) bis(2-Chloroethoxy)met...	7.886	93	313343	53.518	ng	98
29) 2,4-Dichlorophenol	7.998	162	190831	48.121	ng	98
30) 1,2,4-Trichlorobenzene	8.075	180	215995	46.755	ng	98
31) Naphthalene	8.157	128	730670	50.160	ng	100
32) Benzoic acid	7.916	122	80181	27.529	ng	98
33) 4-Chloroaniline	8.210	127	147385	28.837	ng	98
34) Hexachlorobutadiene	8.269	225	132131	46.447	ng	99
35) Caprolactam	8.581	113	52812	41.270	ng	94
36) 4-Chloro-3-methylphenol	8.698	107	203807	45.906	ng	98
37) 2-Methylnaphthalene	8.851	142	437181	46.637	ng	100
38) 1-Methylnaphthalene	8.945	142	403867	44.145	ng	100
40) 1,2,4,5-Tetrachloroben...	9.016	216	179243	51.971	ng	99
41) Hexachlorocyclopentadiene	8.998	237	66946	59.802	ng	100
43) 2,4,6-Trichlorophenol	9.128	196	114276	51.943	ng	98

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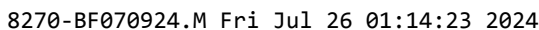
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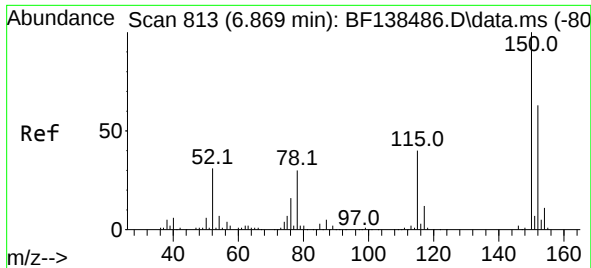
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.175	196	111606	46.123	ng	# 93
46) 1,1'-Biphenyl	9.310	154	497741	53.074	ng	99
47) 2-Chloronaphthalene	9.339	162	374663	52.883	ng	100
48) 2-Nitroaniline	9.433	65	135524	55.201	ng	93
49) Acenaphthylene	9.751	152	559797	55.653	ng	100
50) Dimethylphthalate	9.610	163	462995	57.861	ng	100
51) 2,6-Dinitrotoluene	9.675	165	94647	51.372	ng	88
52) Acenaphthene	9.922	154	369335	55.238	ng	99
53) 3-Nitroaniline	9.845	138	76703	40.620	ng	92
54) 2,4-Dinitrophenol	9.957	184	31123	34.307	ng	91
55) Dibenzofuran	10.098	168	489802	50.505	ng	100
56) 4-Nitrophenol	10.016	139	109066	78.278	ng	98
57) 2,4-Dinitrotoluene	10.080	165	113732	47.710	ng	97
58) Fluorene	10.439	166	368307	47.996	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.216	232	83713	43.836	ng	97
60) Diethylphthalate	10.310	149	412256	53.442	ng	99
61) 4-Chlorophenyl-phenyle...	10.427	204	182257	47.299	ng	93
62) 4-Nitroaniline	10.457	138	77324	40.864	ng	99
63) Azobenzene	10.586	77	408663	49.274	ng	97
65) 4,6-Dinitro-2-methylph...	10.486	198	30167	30.502	ng	77
66) n-Nitrosodiphenylamine	10.545	169	312683	60.930	ng	98
67) 4-Bromophenyl-phenylether	10.916	248	101247	57.511	ng	99
68) Hexachlorobenzene	10.986	284	103503	52.922	ng	94
69) Atrazine	11.074	200	91452	53.750	ng	97
70) Pentachlorophenol	11.180	266	101675	87.857	ng	96
71) Phenanthrene	11.398	178	543333	62.788	ng	99
72) Anthracene	11.451	178	498884	58.078	ng	99
73) Carbazole	11.610	167	428499	55.508	ng	99
74) Di-n-butylphthalate	11.933	149	533885	60.000	ng	99
75) Fluoranthene	12.586	202	585285	66.284	ng	98
77) Benzidine	12.710	184	179058	55.196	ng	99
78) Pyrene	12.816	202	592393	45.385	ng	100
80) Butylbenzylphthalate	13.427	149	228049	58.080	ng	97
81) Benzo(a)anthracene	14.004	228	514504	59.634	ng	99
82) 3,3'-Dichlorobenzidine	13.963	252	130544	58.721	ng	# 98
83) Chrysene	14.039	228	466095	57.107	ng	100
84) Bis(2-ethylhexyl)phtha...	13.986	149	322939	77.118	ng	# 98
85) Di-n-octyl phthalate	14.598	149	538521	81.404	ng	99
87) Indeno(1,2,3-cd)pyrene	16.945	276	304526	46.013	ng	99
88) Benzo(b)fluoranthene	15.051	252	373667	67.341	ng	99
89) Benzo(k)fluoranthene	15.080	252	328172	60.641	ng	99
90) Benzo(a)pyrene	15.415	252	298538	61.246	ng	99
91) Dibenzo(a,h)anthracene	16.956	278	238909	44.130	ng	98
92) Benzo(g,h,i)perylene	17.386	276	239961	41.800	ng	96

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

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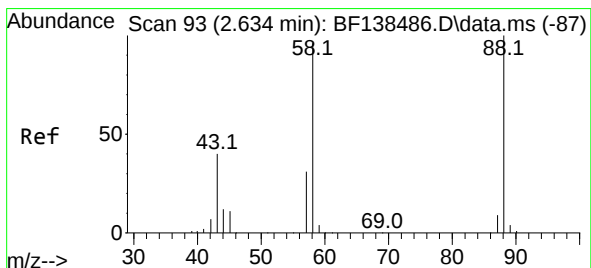
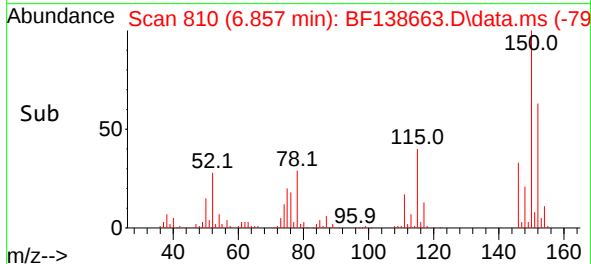
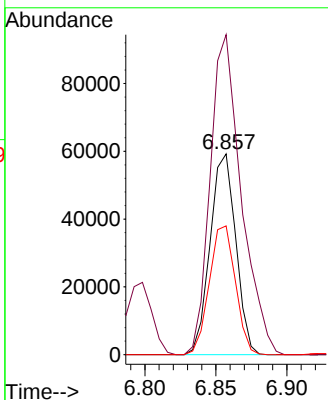
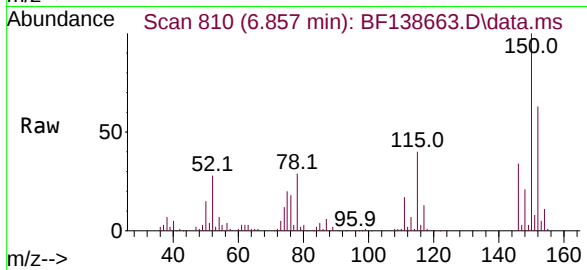




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

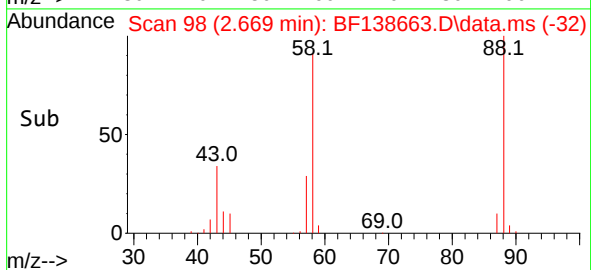
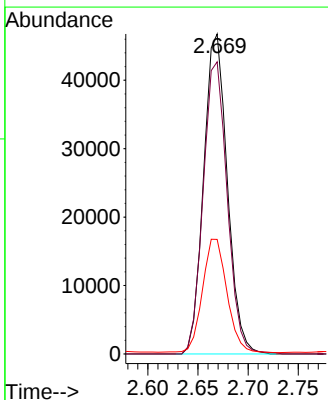
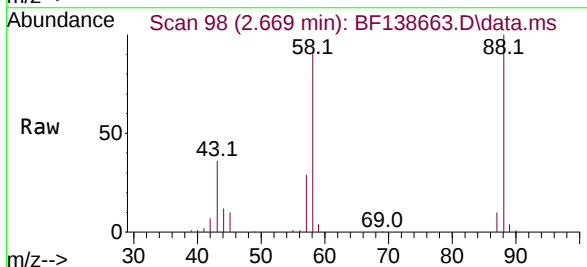
Instrument :
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ClientSampleId :
SOIL-COMPMS

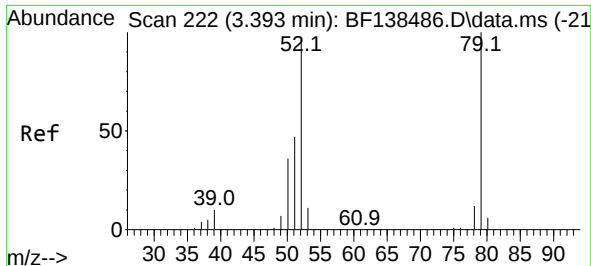
Tgt Ion:152 Resp: 74539
Ion Ratio Lower Upper
152 100
150 159.3 126.2 189.4
115 64.1 50.3 75.5



#2
1,4-Dioxane
Concen: 36.955 ng
RT: 2.669 min Scan# 98
Delta R.T. 0.035 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Tgt Ion: 88 Resp: 77031
Ion Ratio Lower Upper
88 100
58 92.5 74.6 112.0
43 36.7 31.8 47.6





#3

Pyridine

Concen: 41.272 ng

RT: 3.440 min Scan# 21

Delta R.T. 0.047 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

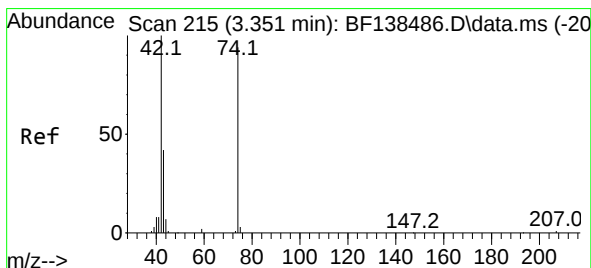
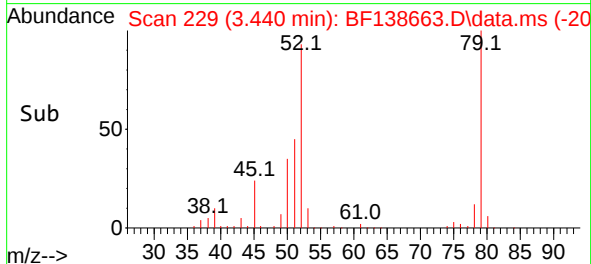
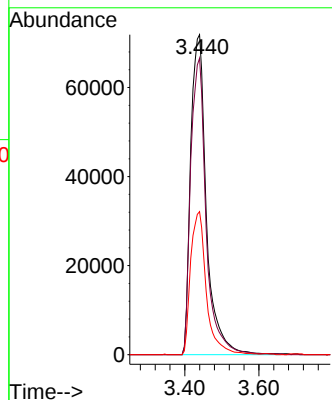
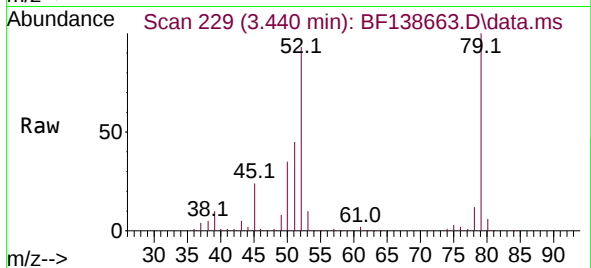
Tgt Ion: 79 Resp: 212155

Ion Ratio Lower Upper

79 100

52 92.7 77.4 116.2

51 44.7 37.4 56.0



#4

n-Nitrosodimethylamine

Concen: 47.628 ng

RT: 3.381 min Scan# 219

Delta R.T. 0.029 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

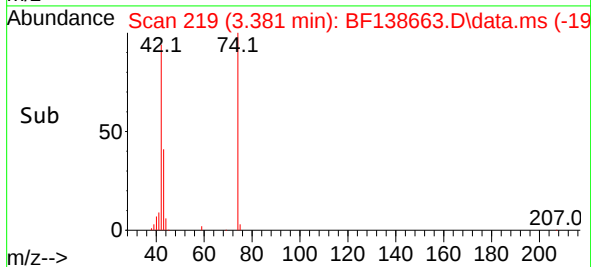
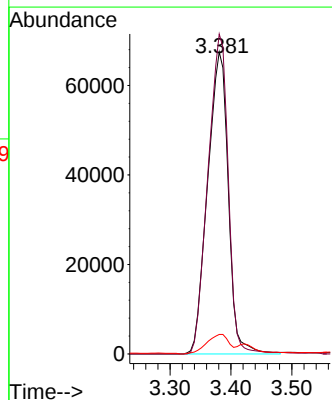
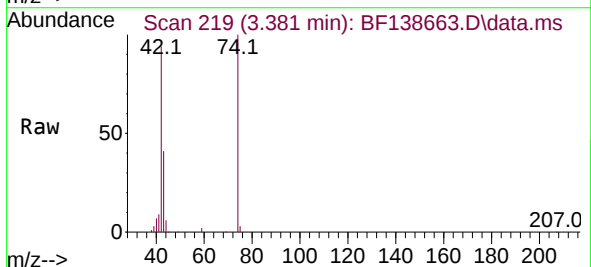
Tgt Ion: 42 Resp: 159377

Ion Ratio Lower Upper

42 100

74 105.9 75.0 112.6

44 6.5 5.4 8.2

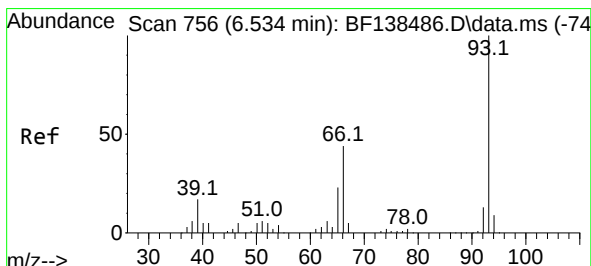
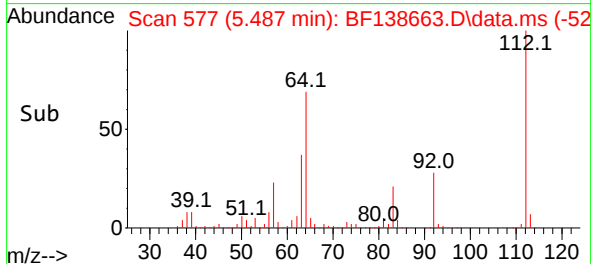
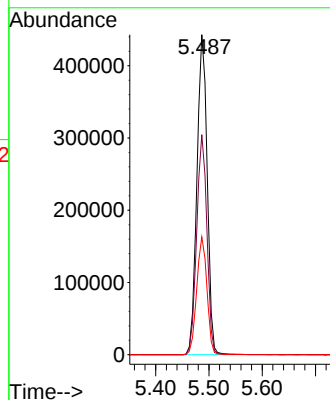
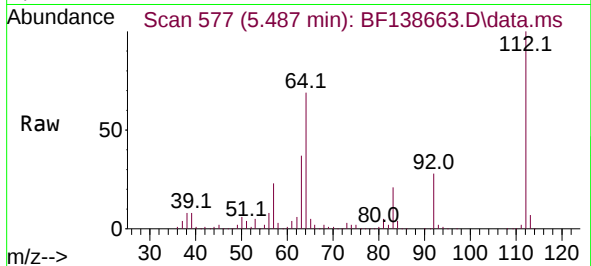




#5
2-Fluorophenol
Concen: 126.053 ng
RT: 5.487 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

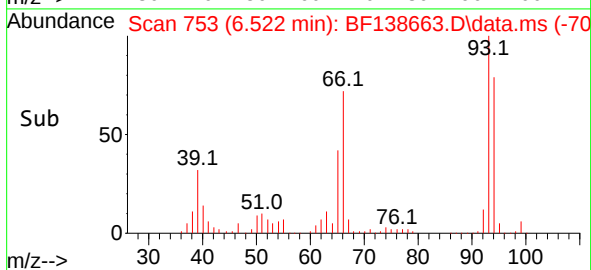
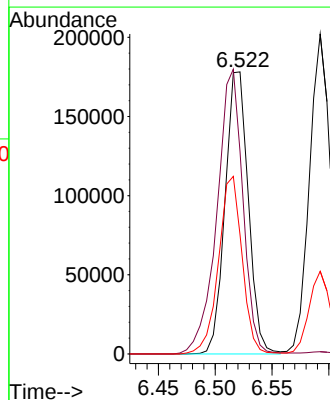
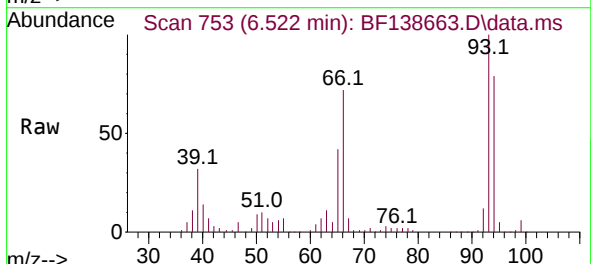
Instrument :
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Tgt Ion:112 Resp: 593267
Ion Ratio Lower Upper
112 100
64 68.8 55.1 82.7
63 36.8 29.0 43.6



#6
Aniline
Concen: 43.117 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Tgt Ion: 93 Resp: 252854
Ion Ratio Lower Upper
93 100
66 71.7 35.4 53.0#
65 42.2 18.6 27.8#

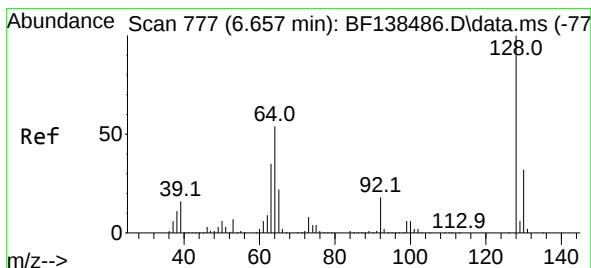
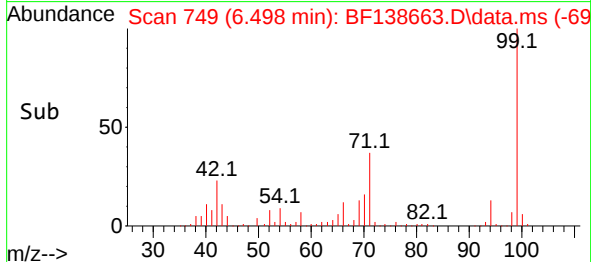
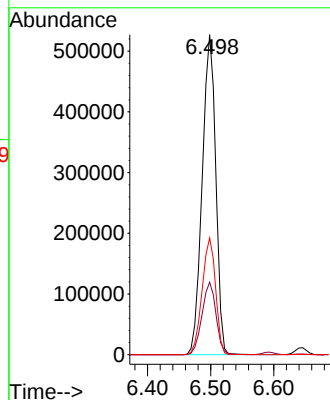
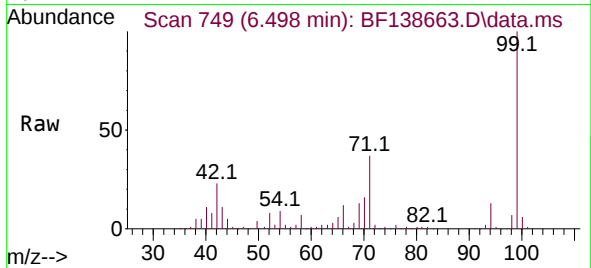




#7
Phenol-d6
Concen: 125.578 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

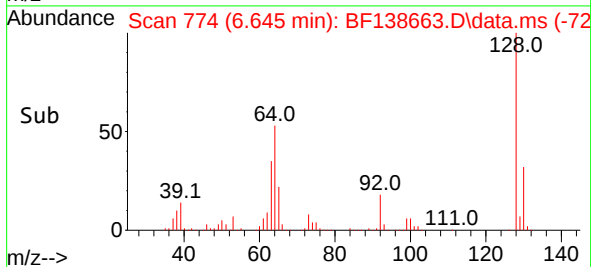
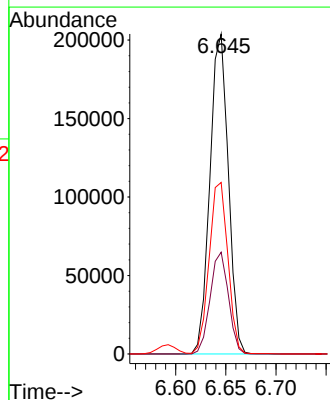
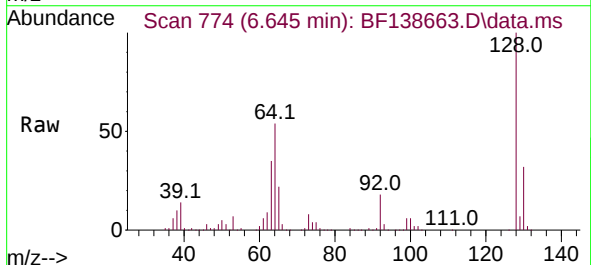
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion: 99 Resp: 786241
Ion Ratio Lower Upper
99 100
42 22.7 19.7 29.5
71 36.5 29.9 44.9



#8
2-Chlorophenol
Concen: 52.387 ng
RT: 6.645 min Scan# 774
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Tgt Ion:128 Resp: 260711
Ion Ratio Lower Upper
128 100
130 31.8 12.1 52.1
64 53.6 34.4 74.4





#9

Benzaldehyde

Concen: 5.248 ng

RT: 6.404 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

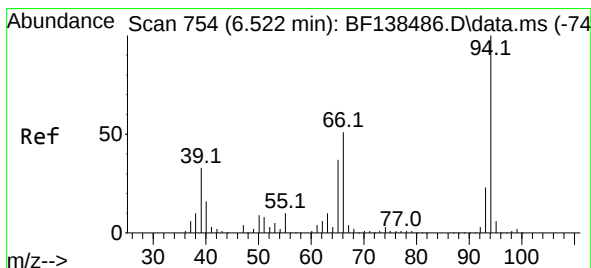
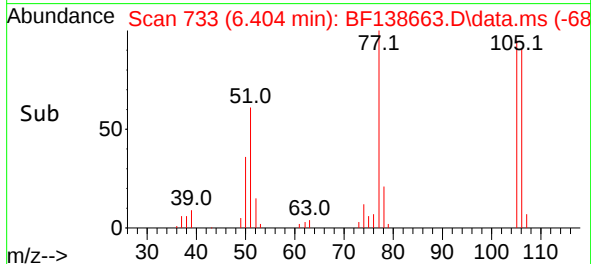
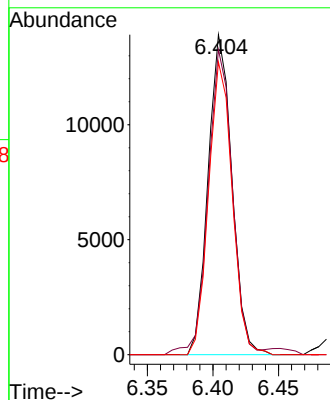
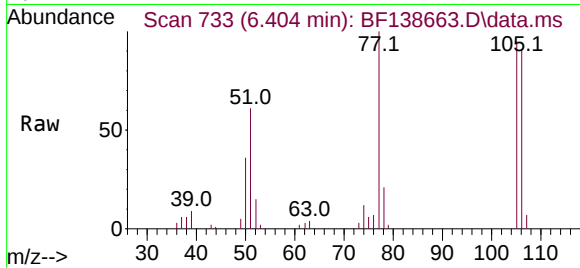
Tgt Ion: 77 Resp: 17586

Ion Ratio Lower Upper

77 100

105 95.4 75.1 115.1

106 91.5 73.2 113.2



#10

Phenol

Concen: 51.181 ng

RT: 6.510 min Scan# 751

Delta R.T. -0.012 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

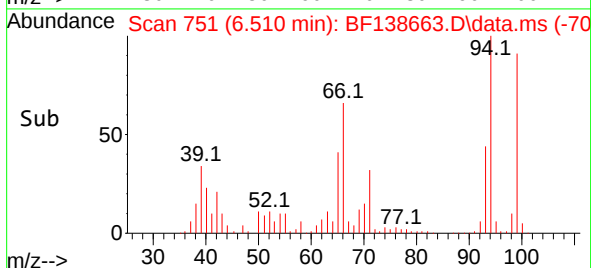
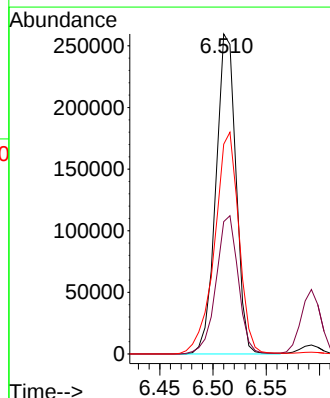
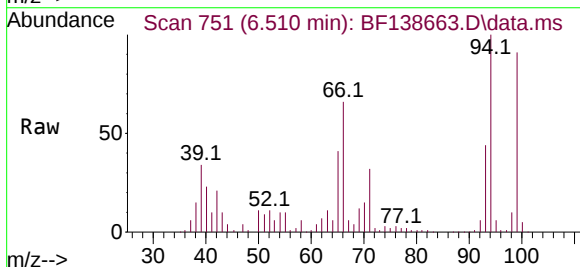
Tgt Ion: 94 Resp: 340136

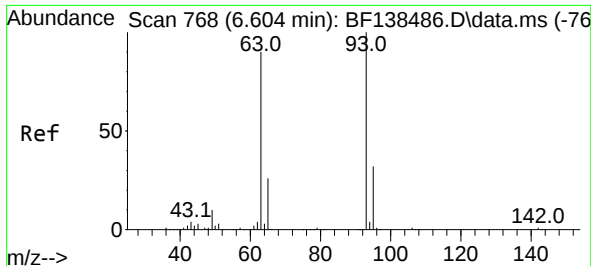
Ion Ratio Lower Upper

94 100

65 41.3 16.7 56.7

66 65.5 31.2 71.2

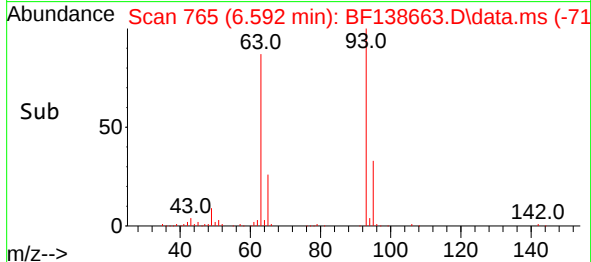
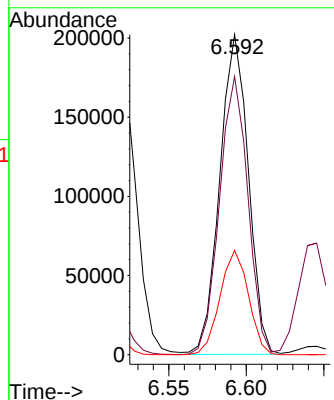
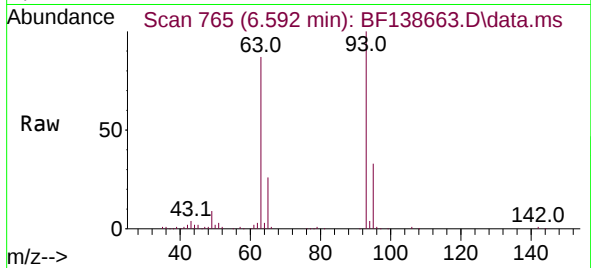




#11
bis(2-Chloroethyl)ether
Concen: 51.821 ng
RT: 6.592 min Scan# 70
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

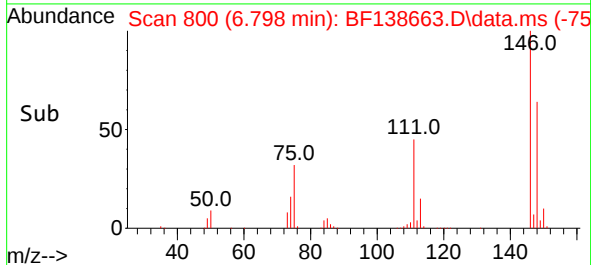
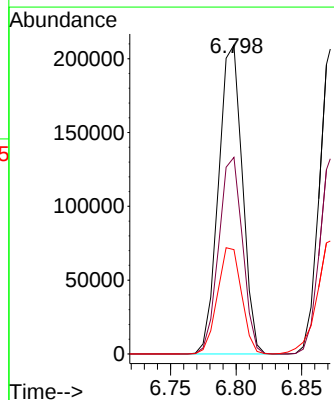
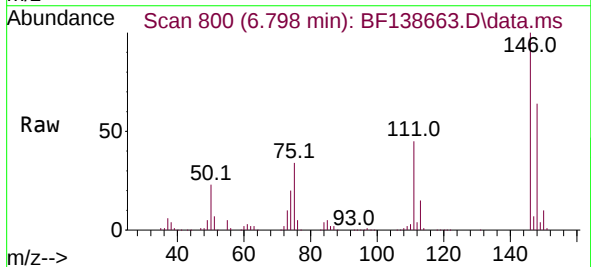
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

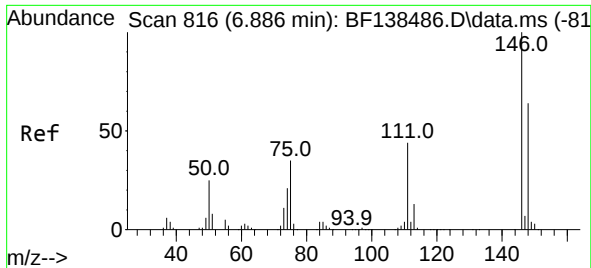
Tgt Ion: 93 Resp: 259291
Ion Ratio Lower Upper
93 100
63 86.9 68.8 108.8
95 32.6 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 47.263 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Tgt Ion: 146 Resp: 264389
Ion Ratio Lower Upper
146 100
148 63.7 52.4 78.6
75 33.8 27.8 41.8

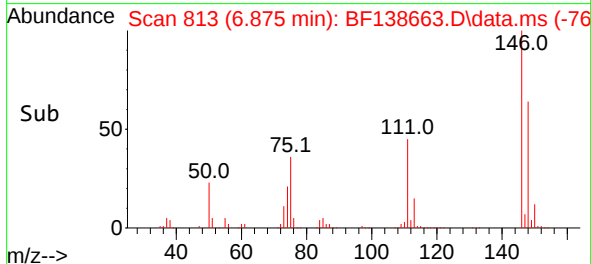
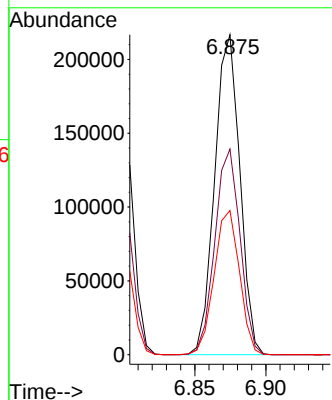
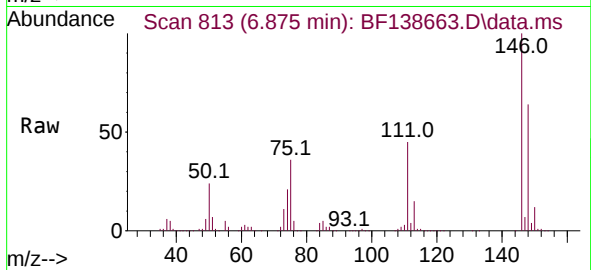




#13
1,4-Dichlorobenzene
Concen: 47.023 ng
RT: 6.875 min Scan# 816
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

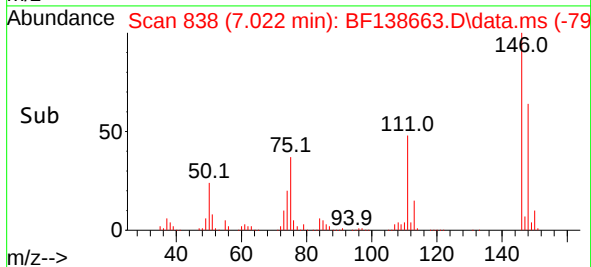
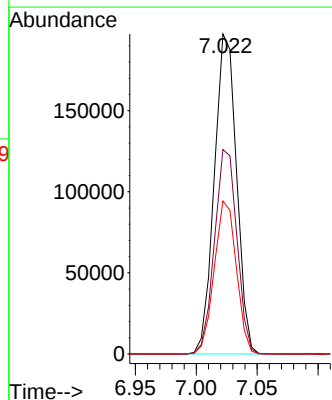
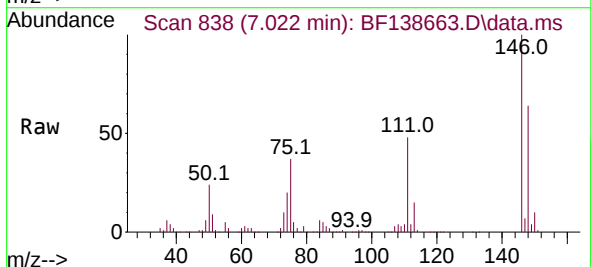
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion:146 Resp: 267118
Ion Ratio Lower Upper
146 100
148 64.3 51.6 77.4
111 45.1 34.9 52.3



#14
1,2-Dichlorobenzene
Concen: 47.398 ng
RT: 7.022 min Scan# 838
Delta R.T. -0.018 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Tgt Ion:146 Resp: 250766
Ion Ratio Lower Upper
146 100
148 63.9 50.1 75.1
111 47.8 35.5 53.3





#15

Benzyl Alcohol

Concen: 52.185 ng

RT: 6.998 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

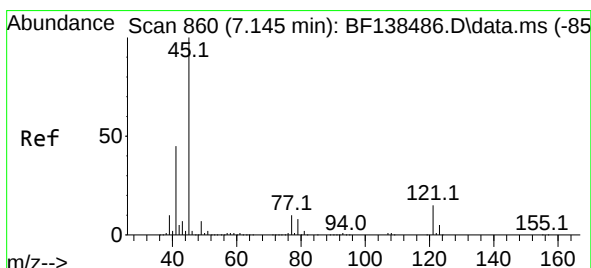
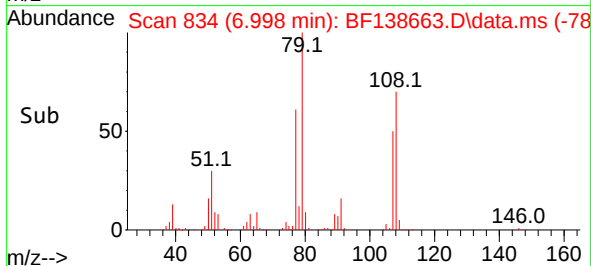
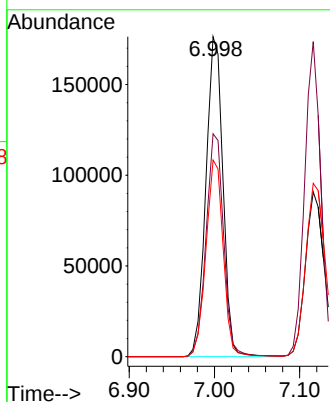
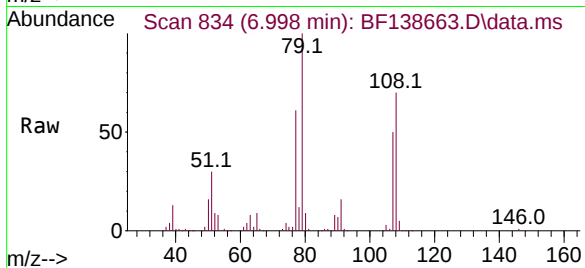
Tgt Ion: 79 Resp: 245202

Ion Ratio Lower Upper

79 100

108 69.7 54.3 81.5

77 61.5 50.0 75.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.882 ng

RT: 7.128 min Scan# 856

Delta R.T. -0.018 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

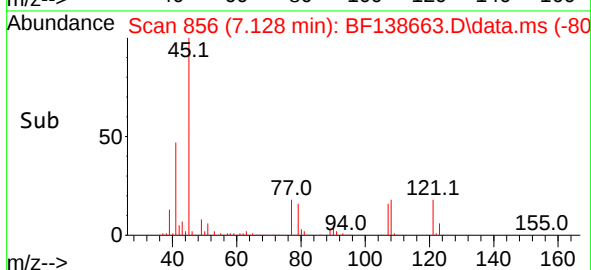
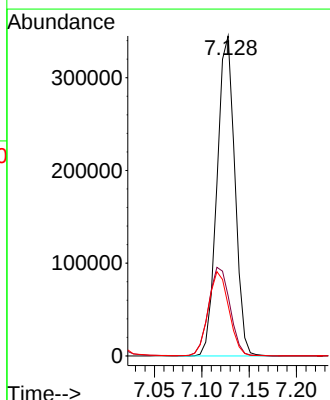
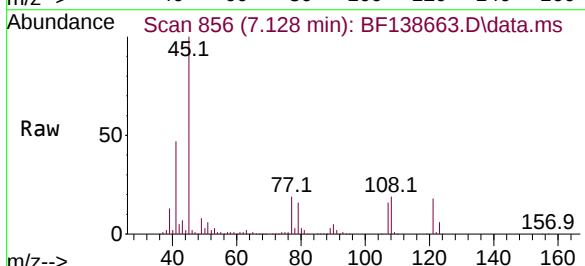
Tgt Ion: 45 Resp: 451467

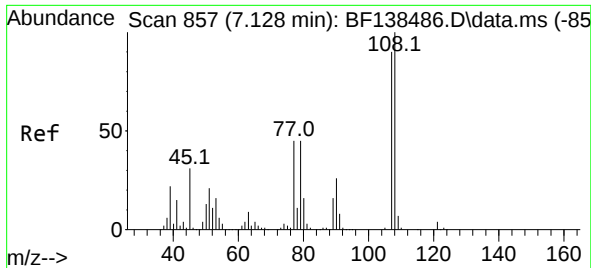
Ion Ratio Lower Upper

45 100

77 18.8 0.0 30.4

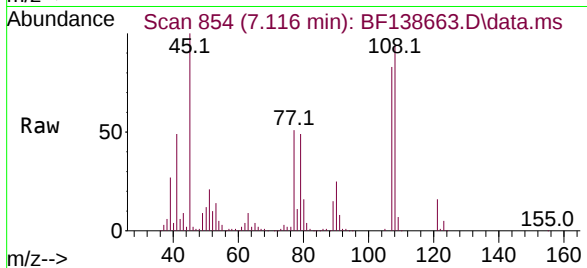
79 15.8 0.0 28.1



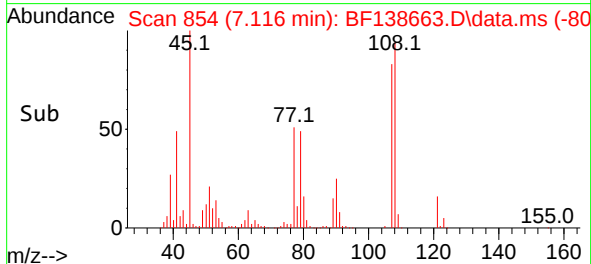
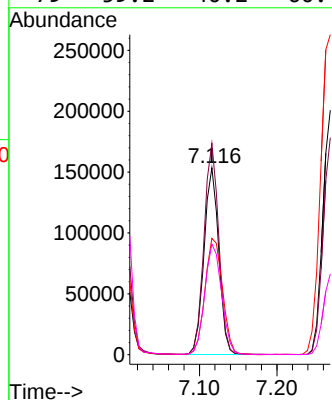


#17
2-Methylphenol
Concen: 49.860 ng
RT: 7.116 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

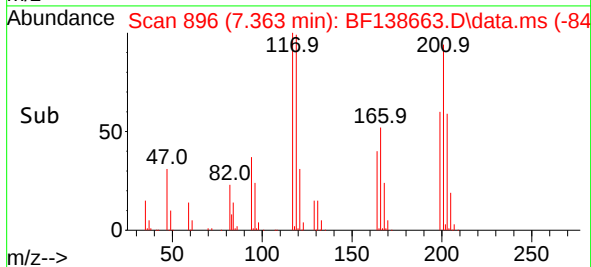
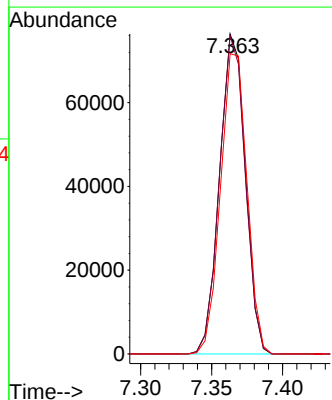
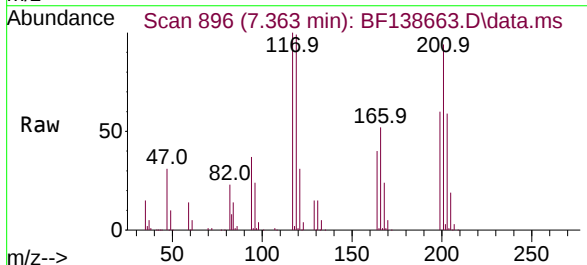


Tgt Ion:107 Resp: 203361
Ion Ratio Lower Upper
107 100
108 113.1 89.0 133.4
77 62.2 40.3 60.5#
79 59.2 40.2 60.4



#18
Hexachloroethane
Concen: 46.153 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.018 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Tgt Ion:117 Resp: 96382
Ion Ratio Lower Upper
117 100
119 99.5 76.6 114.8
201 93.8 81.4 122.0

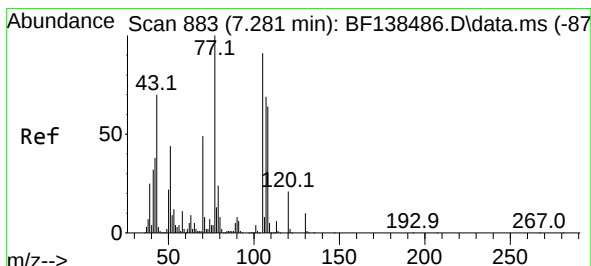
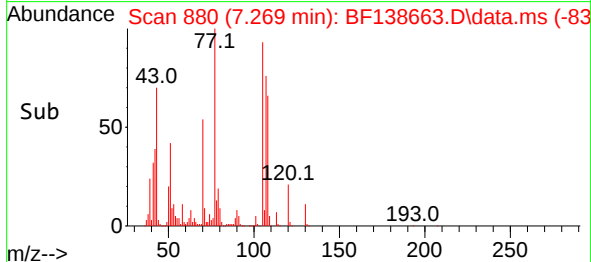
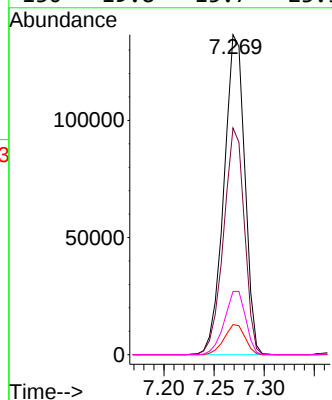
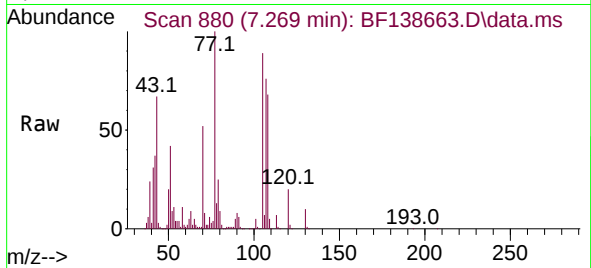




#19
n-Nitroso-di-n-propylamine
Concen: 50.959 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

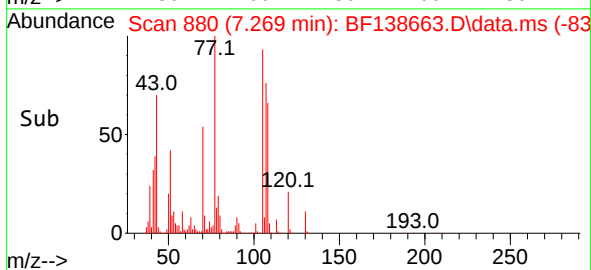
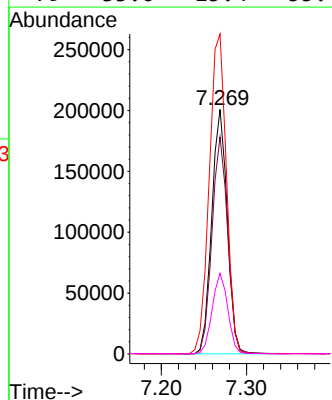
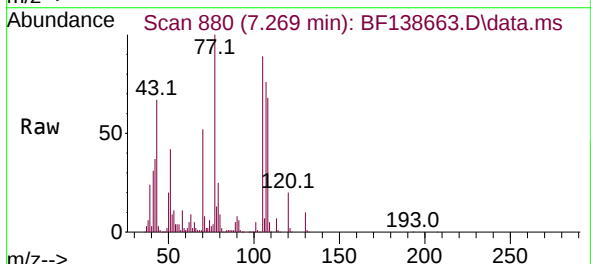
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

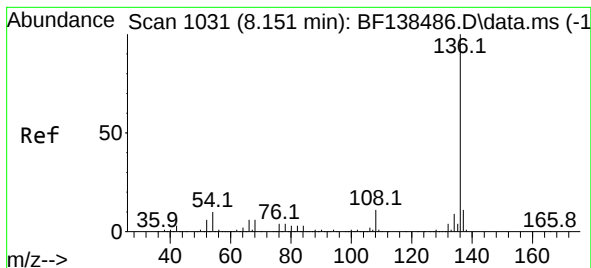
Tgt Ion: 70 Resp: 197146
Ion Ratio Lower Upper
70 100
42 70.9 62.4 93.6
101 9.4 7.2 10.8
130 19.8 15.7 23.5



#20
3+4-Methylphenols
Concen: 49.674 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Tgt Ion: 107 Resp: 255128
Ion Ratio Lower Upper
107 100
108 88.8 73.7 113.7
77 130.9 126.0 166.0
79 33.0 15.4 55.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.139 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

Tgt Ion:136 Resp: 280086

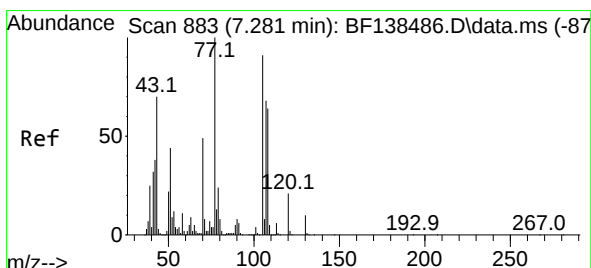
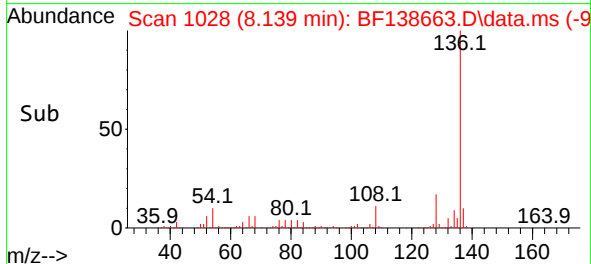
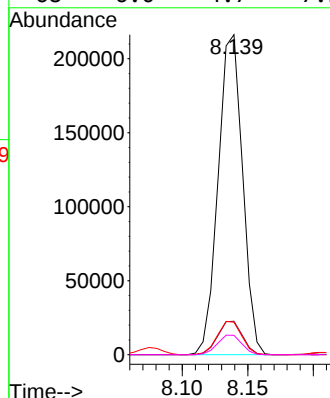
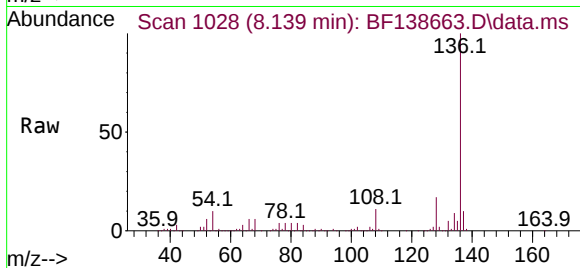
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 10.2 8.1 12.1

68 6.0 4.7 7.1



#22

Acetophenone

Concen: 48.820 ng

RT: 7.269 min Scan# 880

Delta R.T. -0.012 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

Tgt Ion:105 Resp: 332097

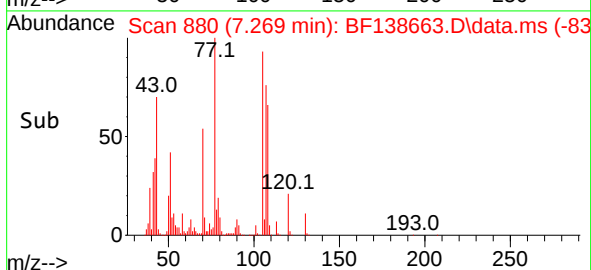
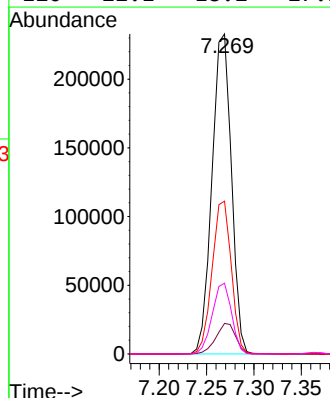
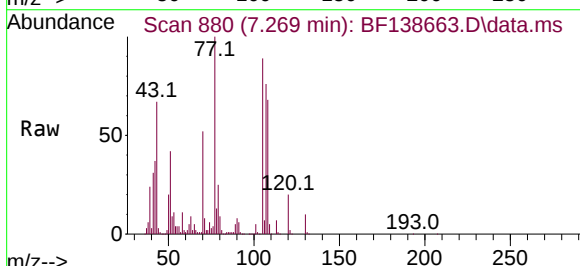
Ion Ratio Lower Upper

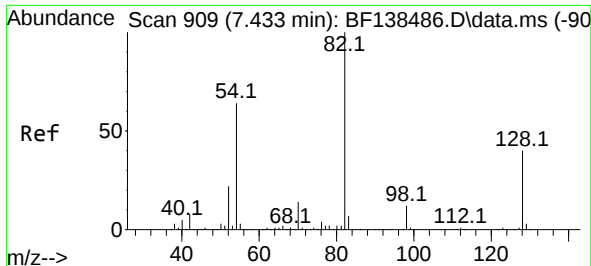
105 100

71 9.6 7.4 11.2

51 47.8 38.7 58.1

120 22.1 18.2 27.2

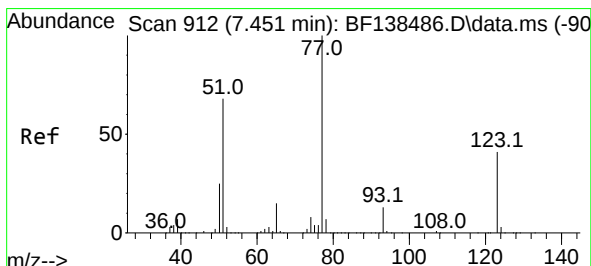
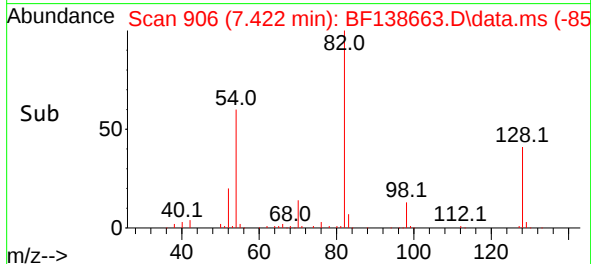
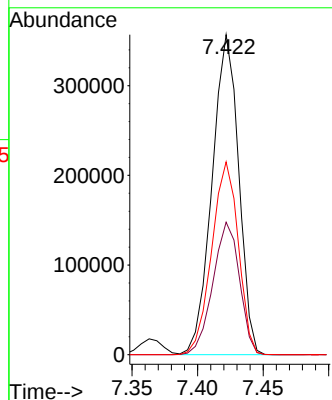
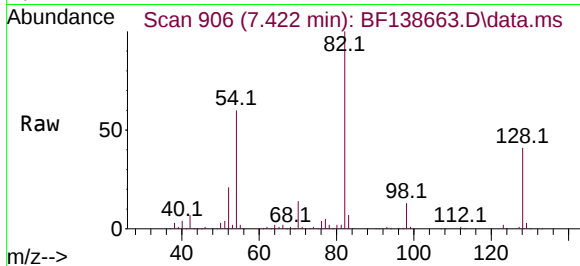




#23
Nitrobenzene-d5
Concen: 88.228 ng
RT: 7.422 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

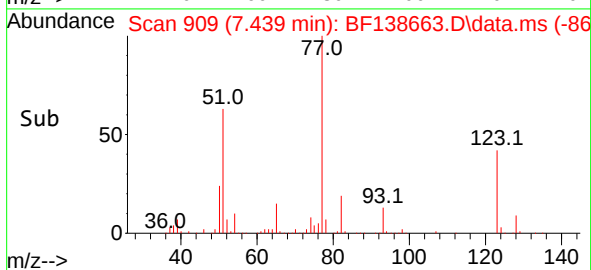
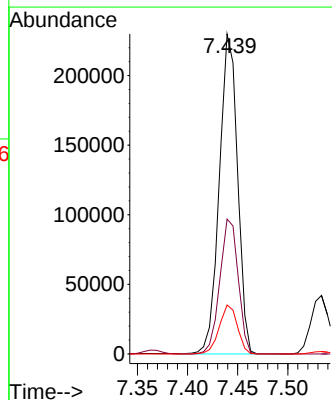
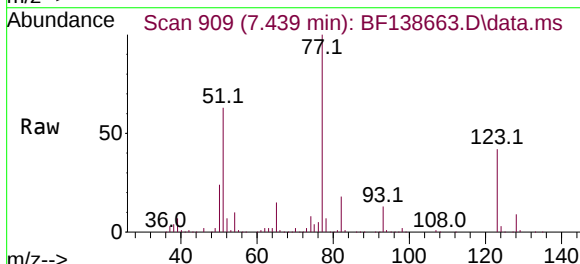
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion: 82 Resp: 503311
Ion Ratio Lower Upper
82 100
128 41.4 32.3 48.5
54 60.2 51.4 77.0



#24
Nitrobenzene
Concen: 50.124 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Tgt Ion: 77 Resp: 290580
Ion Ratio Lower Upper
77 100
123 42.1 32.4 48.6
65 15.3 11.8 17.8

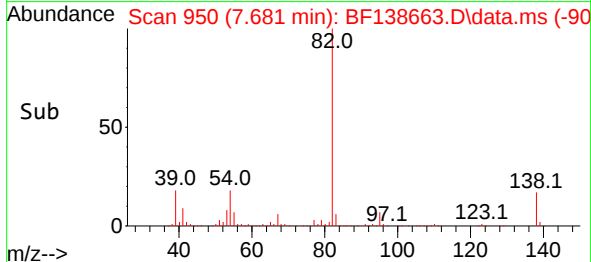
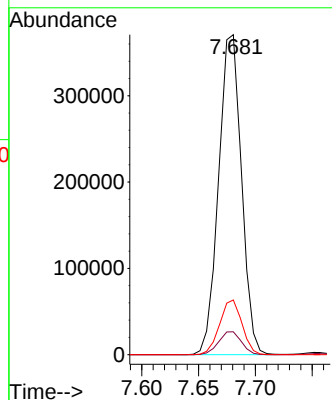
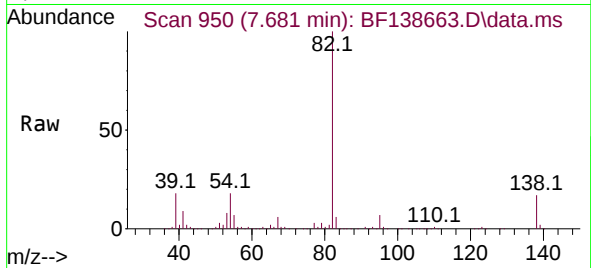




#25
Isophorone
Concen: 53.083 ng
RT: 7.681 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

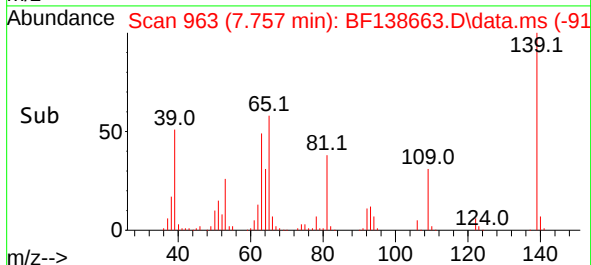
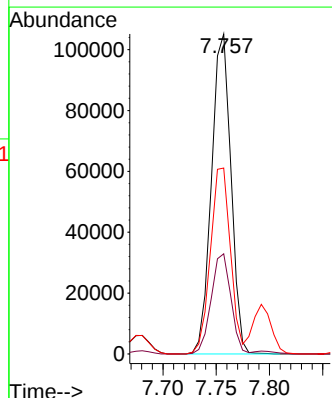
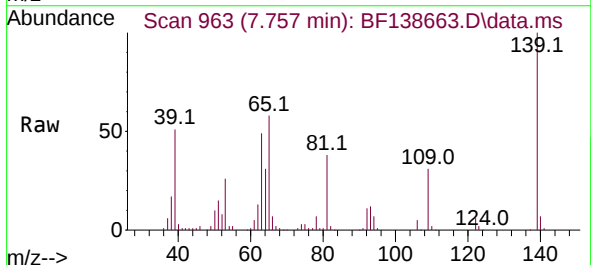
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

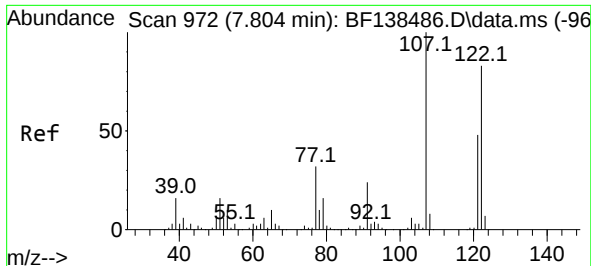
Tgt Ion: 82 Resp: 520039
Ion Ratio Lower Upper
82 100
95 7.2 6.0 9.0
138 17.1 12.8 19.2



#26
2-Nitrophenol
Concen: 53.829 ng
RT: 7.757 min Scan# 963
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Tgt Ion:139 Resp: 133747
Ion Ratio Lower Upper
139 100
109 31.3 24.8 37.2
65 58.1 45.1 67.7

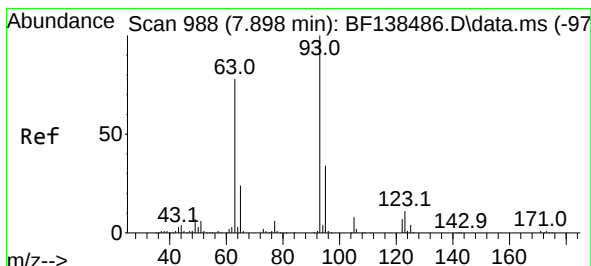
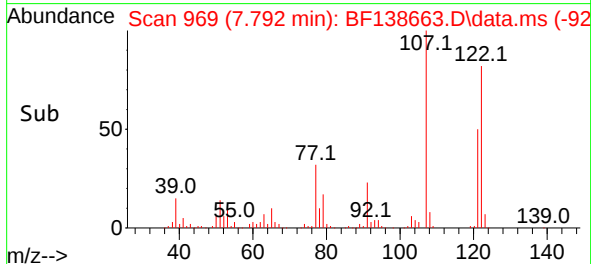
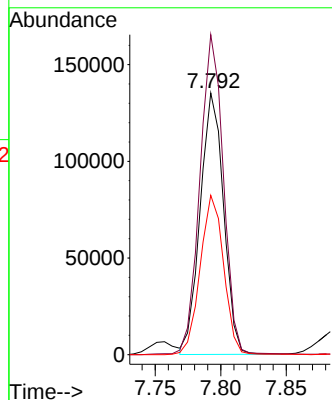
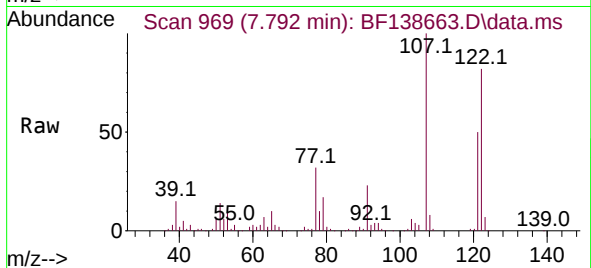




#27
2,4-Dimethylphenol
Concen: 55.066 ng
RT: 7.792 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

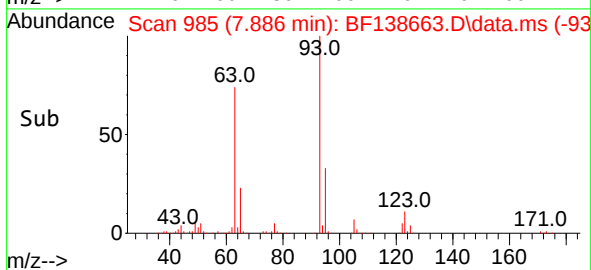
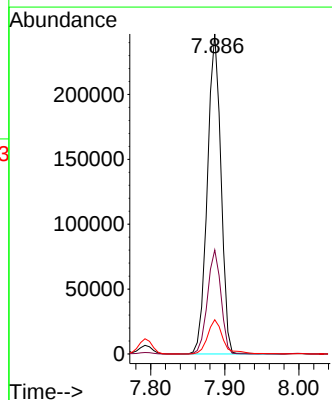
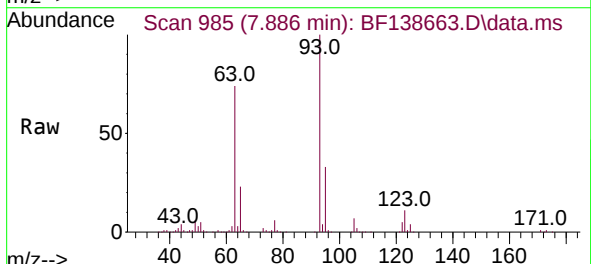
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

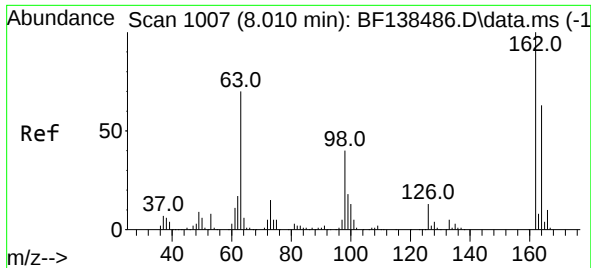
Tgt Ion:122 Resp: 168160
Ion Ratio Lower Upper
122 100
107 122.2 96.3 144.5
121 60.8 46.7 70.1



#28
bis(2-Chloroethoxy)methane
Concen: 53.518 ng
RT: 7.886 min Scan# 985
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Tgt Ion: 93 Resp: 313343
Ion Ratio Lower Upper
93 100
95 32.5 27.0 40.6
123 10.7 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 48.121 ng

RT: 7.998 min Scan# 1004

Delta R.T. -0.012 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

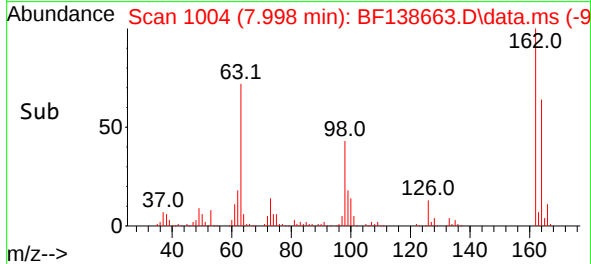
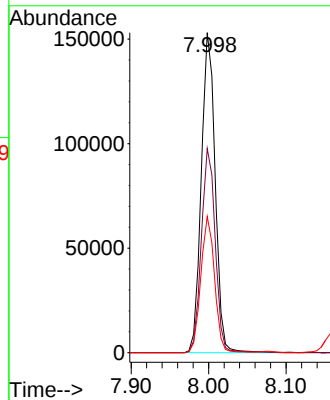
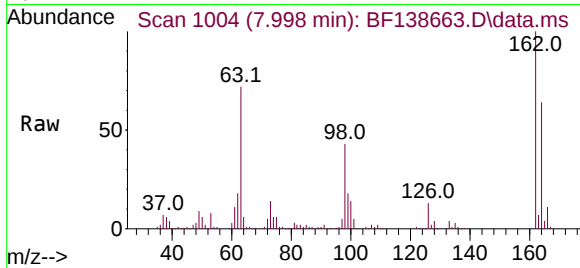
Tgt Ion:162 Resp: 190831

Ion Ratio Lower Upper

162 100

164 63.8 42.6 82.6

98 42.6 20.1 60.1



#30

1,2,4-Trichlorobenzene

Concen: 46.755 ng

RT: 8.075 min Scan# 1017

Delta R.T. -0.018 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

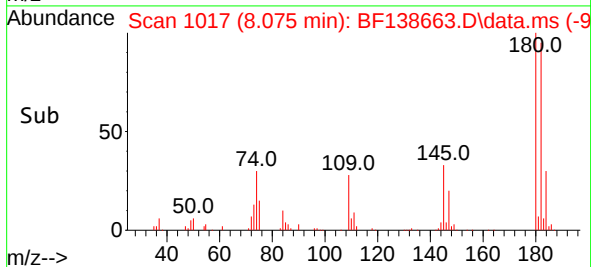
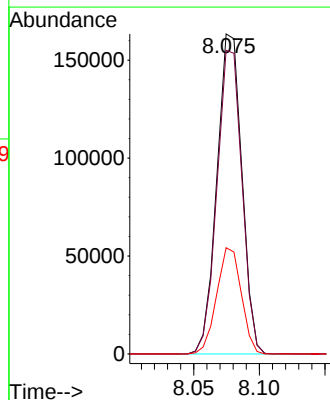
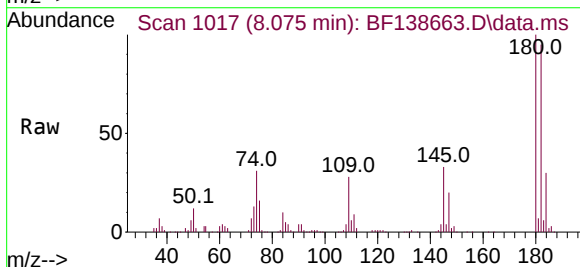
Tgt Ion:180 Resp: 215995

Ion Ratio Lower Upper

180 100

182 94.9 76.9 115.3

145 33.2 23.9 35.9

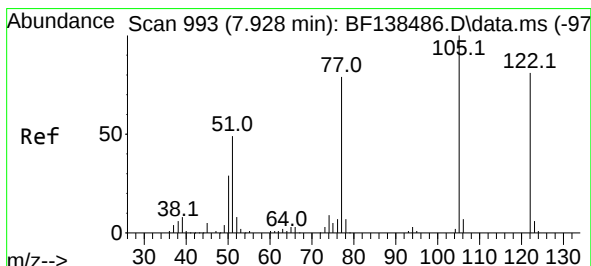
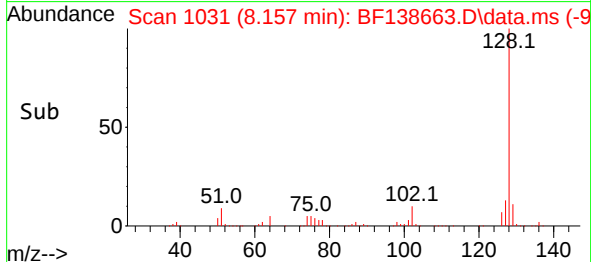
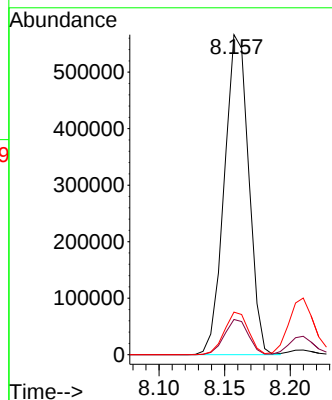
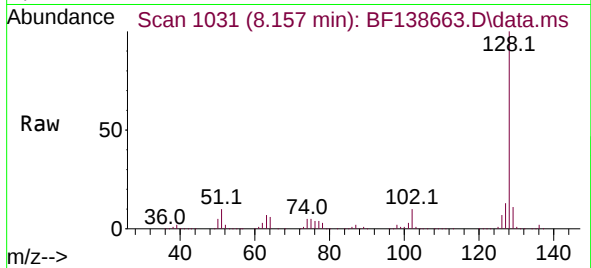




#31
Naphthalene
Concen: 50.160 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.018 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

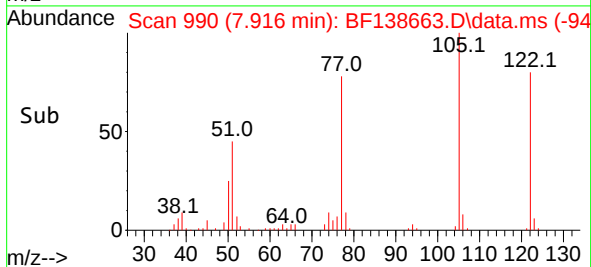
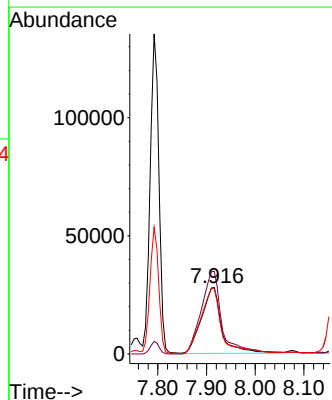
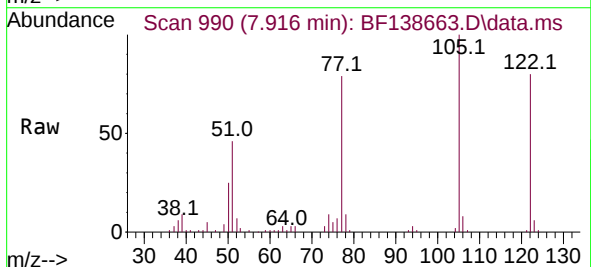
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

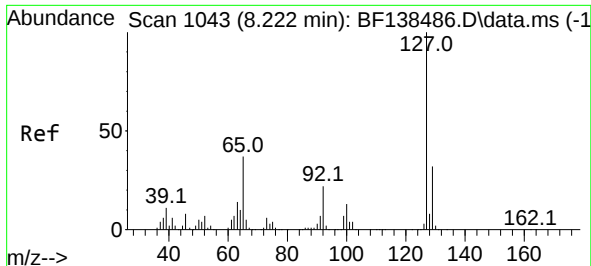
Tgt Ion:128 Resp: 730670
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.3 10.7 16.1



#32
Benzoic acid
Concen: 27.529 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Tgt Ion:122 Resp: 80181
Ion Ratio Lower Upper
122 100
105 124.6 101.5 141.5
77 98.4 77.3 117.3

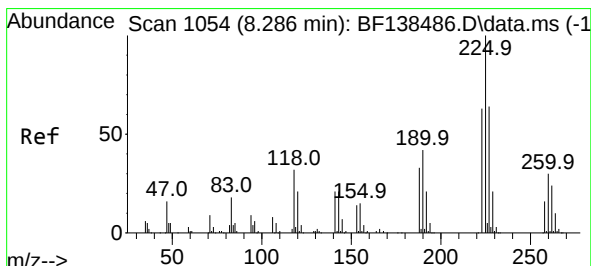
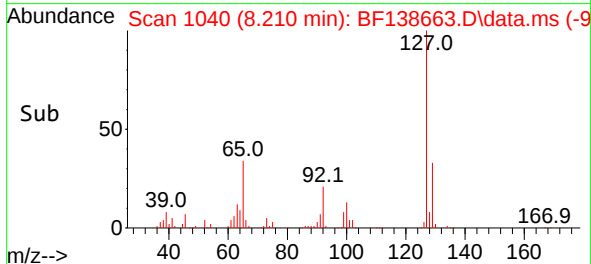
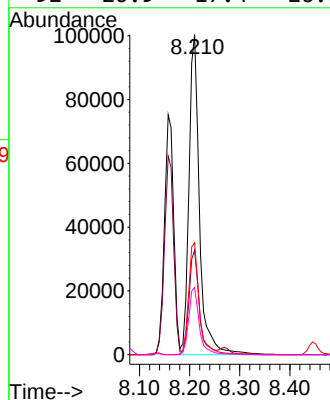
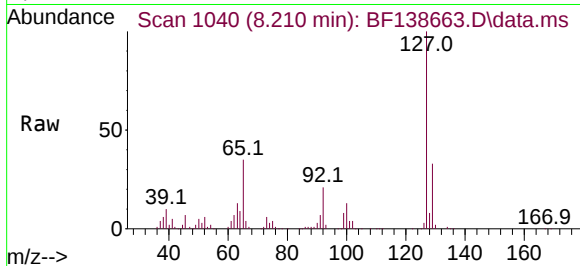




#33
4-Chloroaniline
Concen: 28.837 ng
RT: 8.210 min Scan# 1040
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

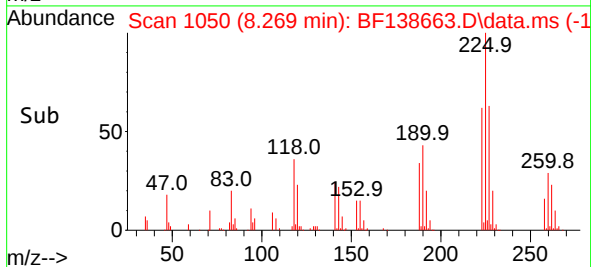
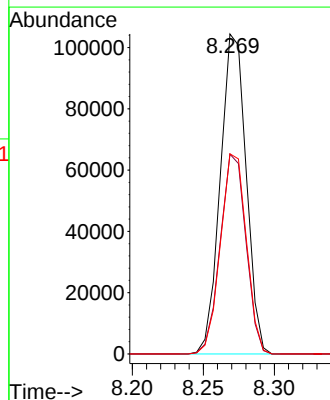
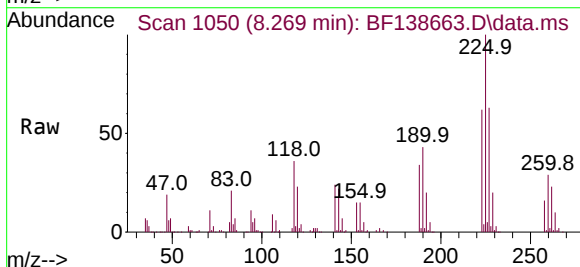
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

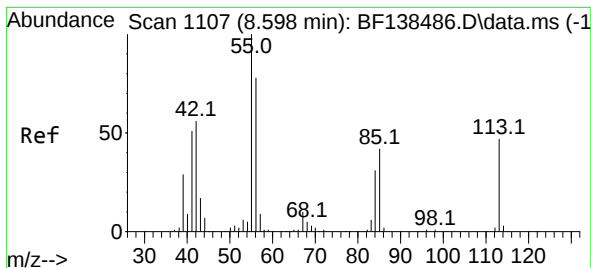
Tgt Ion:	127	Resp:	147385
Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.6	38.4
65	35.0	29.6	44.4
92	20.9	17.4	26.0



#34
Hexachlorobutadiene
Concen: 46.447 ng
RT: 8.269 min Scan# 1050
Delta R.T. -0.018 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Tgt Ion:	225	Resp:	132131
Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.0	75.0
227	62.6	51.0	76.6





#35

Caprolactam

Concen: 41.270 ng

RT: 8.581 min Scan# 1103

Delta R.T. -0.018 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

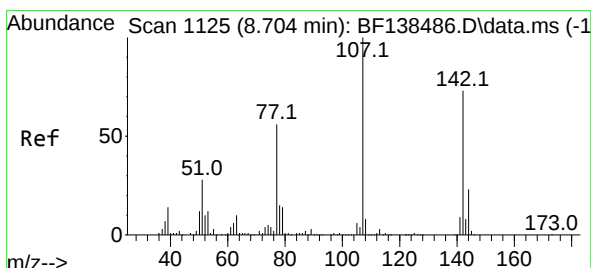
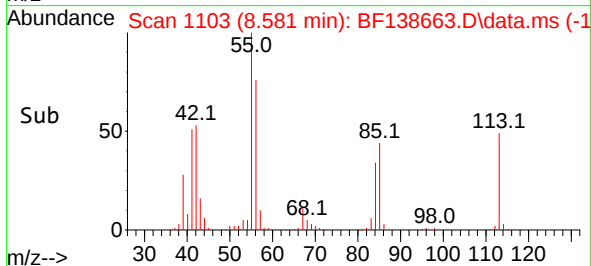
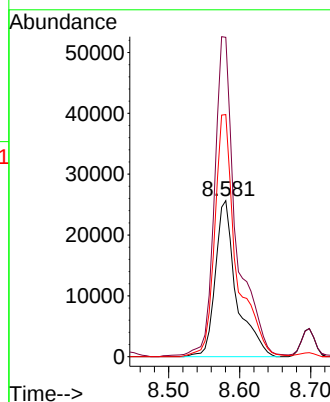
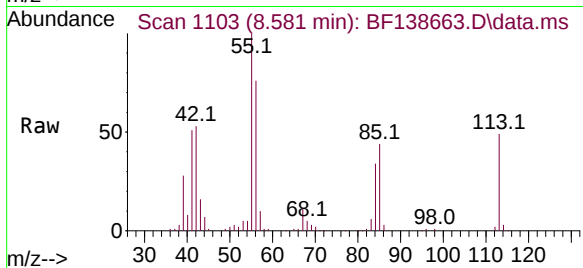
Tgt Ion:113 Resp: 52812

Ion Ratio Lower Upper

113 100

55 204.6 192.5 232.5

56 155.1 145.3 185.3



#36

4-Chloro-3-methylphenol

Concen: 45.906 ng

RT: 8.698 min Scan# 1123

Delta R.T. -0.006 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

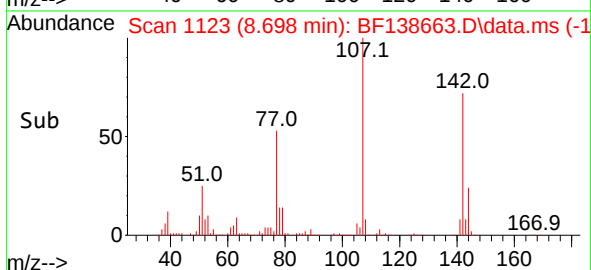
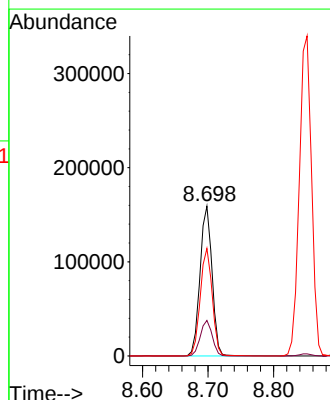
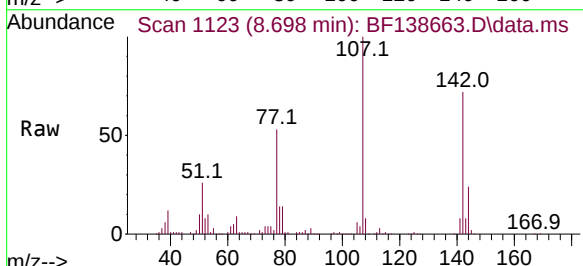
Tgt Ion:107 Resp: 203807

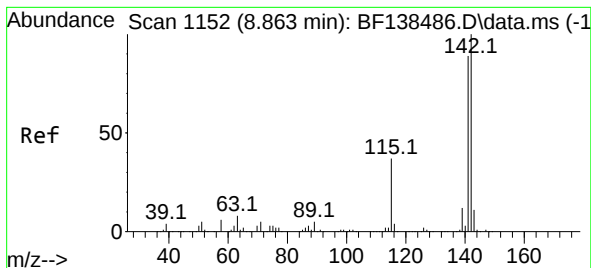
Ion Ratio Lower Upper

107 100

144 23.7 18.6 27.8

142 71.8 58.6 88.0





#37

2-Methylnaphthalene

Concen: 46.637 ng

RT: 8.851 min Scan# 1152

Delta R.T. -0.012 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

Instrument :

BNA_F

ClientSampleId :

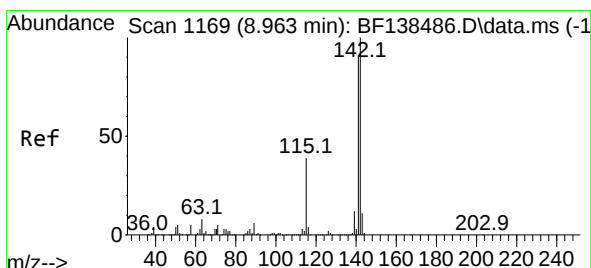
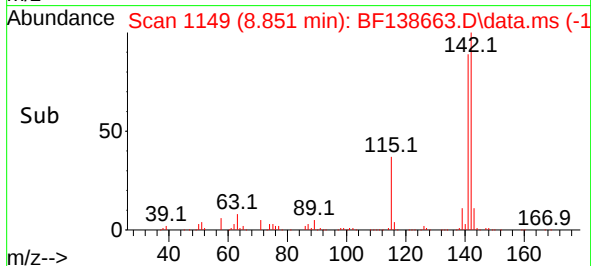
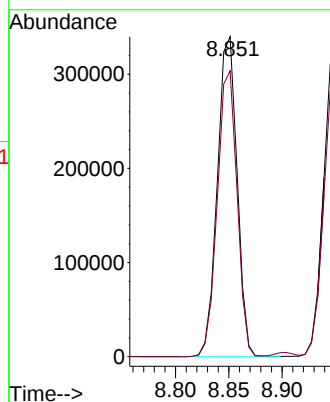
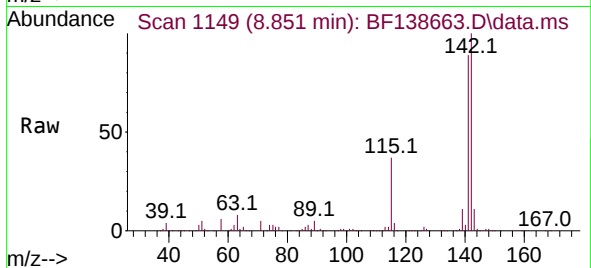
SOIL-COMPMS

Tgt Ion:142 Resp: 437181

Ion Ratio Lower Upper

142 100

141 89.3 71.4 107.0



#38

1-Methylnaphthalene

Concen: 44.145 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.018 min

Lab File: BF138663.D

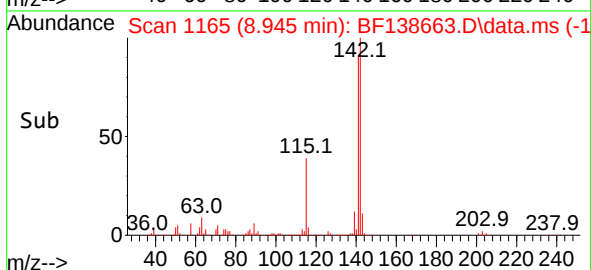
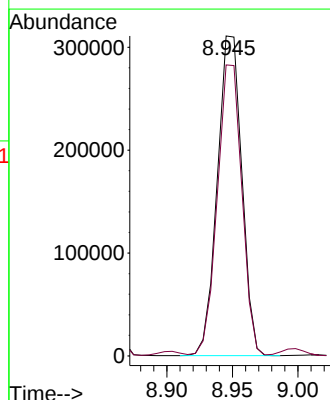
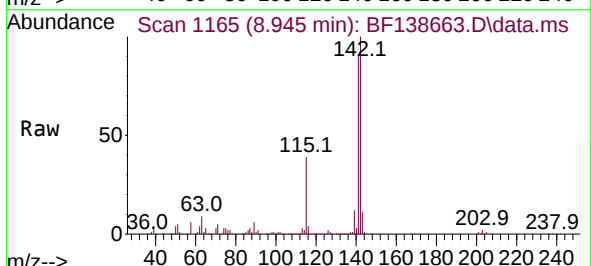
Acq: 25 Jul 2024 20:23

Tgt Ion:142 Resp: 403867

Ion Ratio Lower Upper

142 100

141 90.9 72.6 108.8

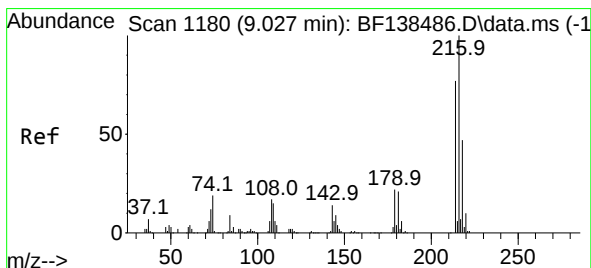
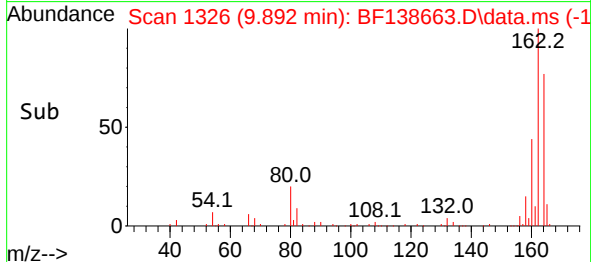
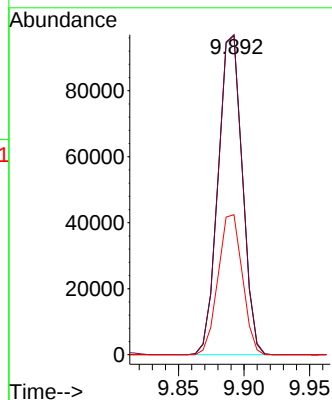
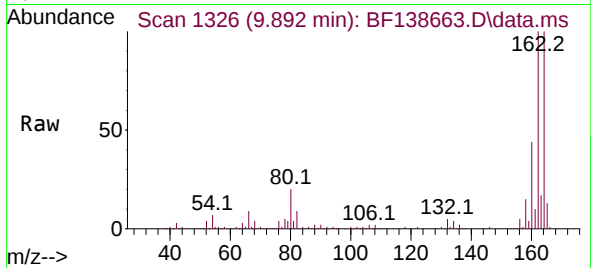




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1177
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

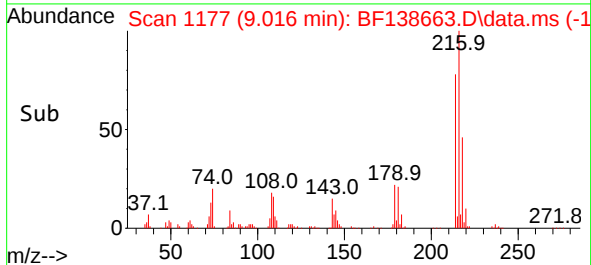
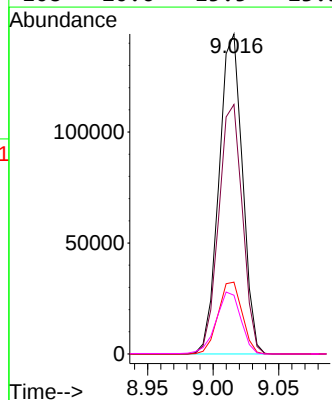
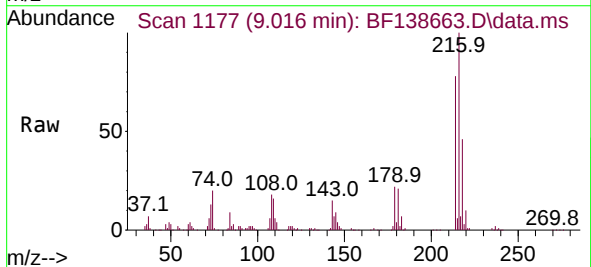
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion:164 Resp: 123748
Ion Ratio Lower Upper
164 100
162 100.2 79.0 118.6
160 43.9 34.4 51.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.971 ng
RT: 9.016 min Scan# 1177
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Tgt Ion:216 Resp: 179243
Ion Ratio Lower Upper
216 100
214 78.7 62.8 94.2
179 23.0 17.7 26.5
108 20.6 15.5 23.3

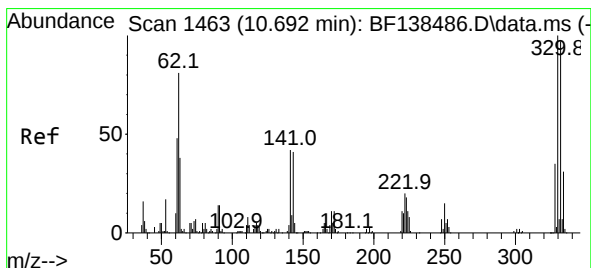
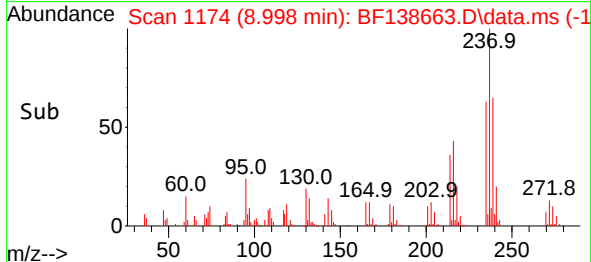
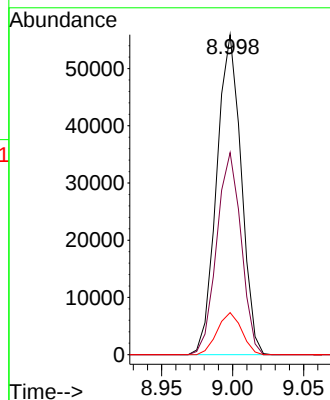
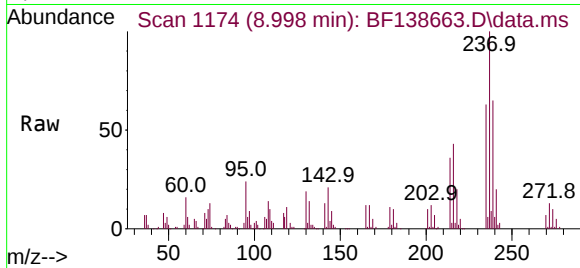




#41
Hexachlorocyclopentadiene
Concen: 59.802 ng
RT: 8.998 min Scan# 1177
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

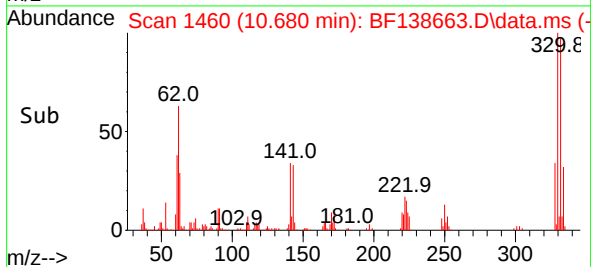
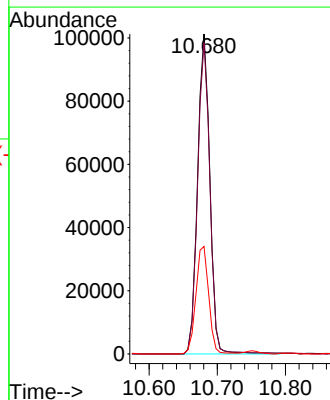
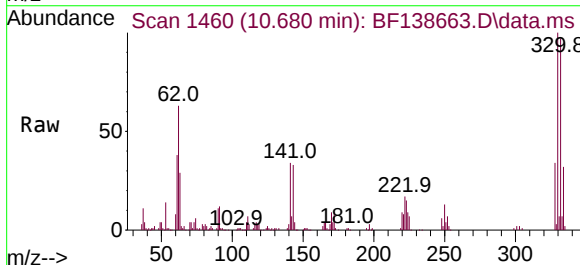
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion:237 Resp: 66946
Ion Ratio Lower Upper
237 100
235 63.2 43.3 83.3
272 13.1 0.0 32.3



#42
2,4,6-Tribromophenol
Concen: 109.940 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Tgt Ion:330 Resp: 127151
Ion Ratio Lower Upper
330 100
332 97.2 76.8 115.2
141 35.0 29.4 44.2

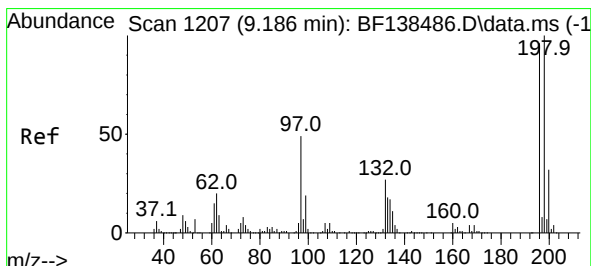
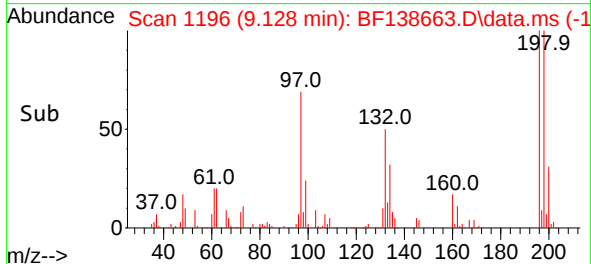
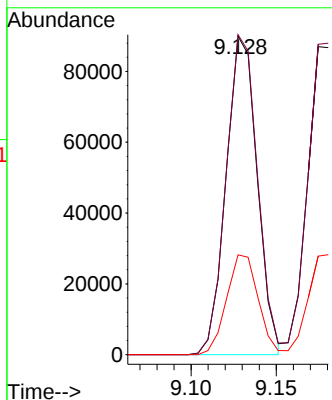
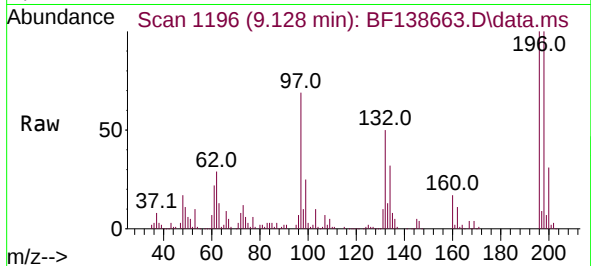




#43
2,4,6-Trichlorophenol
Concen: 51.943 ng
RT: 9.128 min Scan# 1196
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

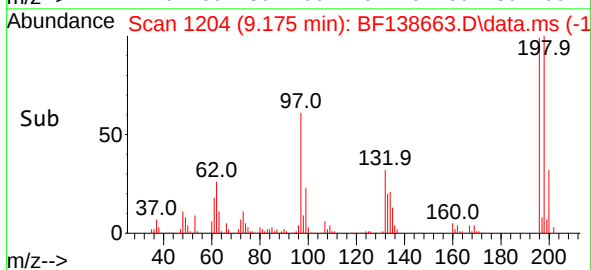
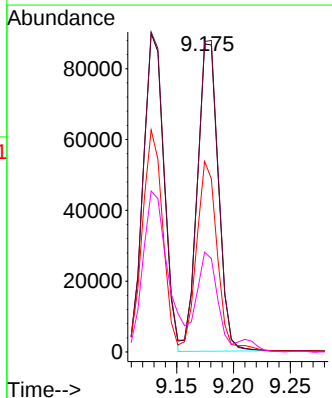
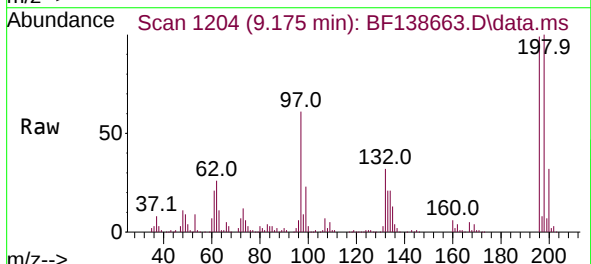
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

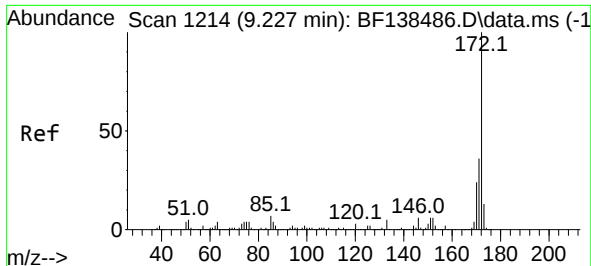
Tgt Ion:196 Resp: 114276
Ion Ratio Lower Upper
196 100
198 100.5 82.3 123.5
200 31.3 25.8 38.6



#44
2,4,5-Trichlorophenol
Concen: 46.123 ng
RT: 9.175 min Scan# 1204
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Tgt Ion:196 Resp: 111606
Ion Ratio Lower Upper
196 100
198 100.8 82.8 124.2
97 61.9 41.0 61.4#
132 32.4 22.7 34.1

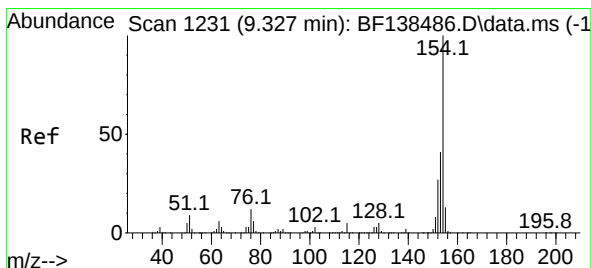
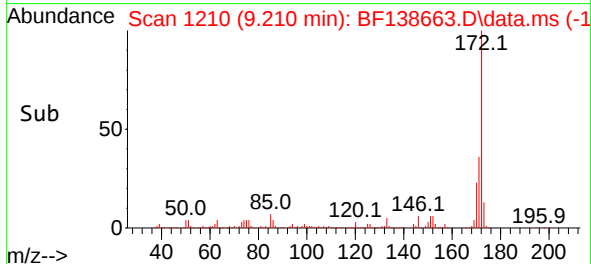
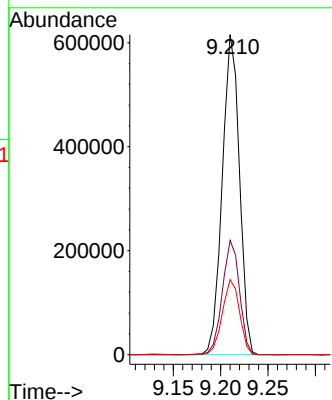
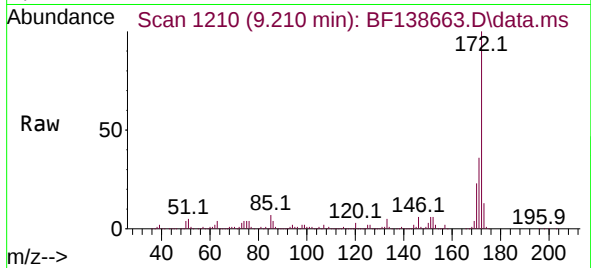




#45
2-Fluorobiphenyl
Concen: 98.252 ng
RT: 9.210 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

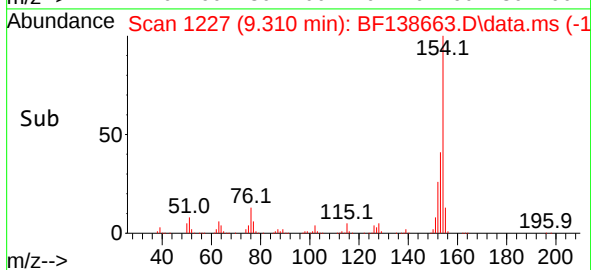
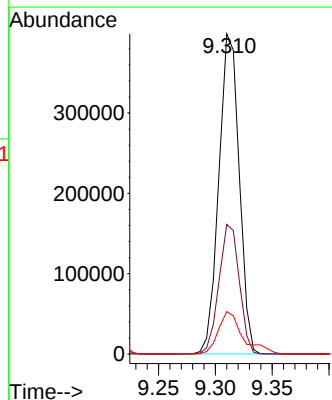
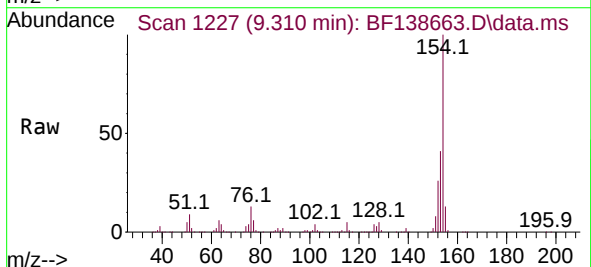
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

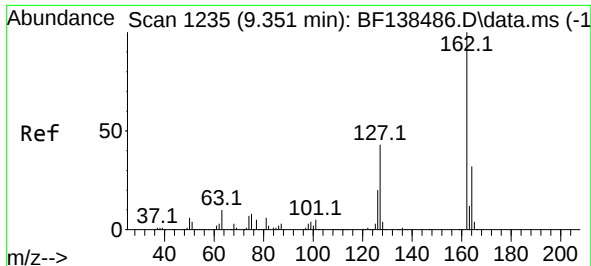
Tgt Ion:172 Resp: 777940
Ion Ratio Lower Upper
172 100
171 35.7 28.9 43.3
170 23.4 18.9 28.3



#46
1,1'-Biphenyl
Concen: 53.074 ng
RT: 9.310 min Scan# 1227
Delta R.T. -0.018 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Tgt Ion:154 Resp: 497741
Ion Ratio Lower Upper
154 100
153 40.5 20.7 60.7
76 13.3 0.0 32.2





#47

2-Chloronaphthalene

Concen: 52.883 ng

RT: 9.339 min Scan# 1232

Delta R.T. -0.012 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

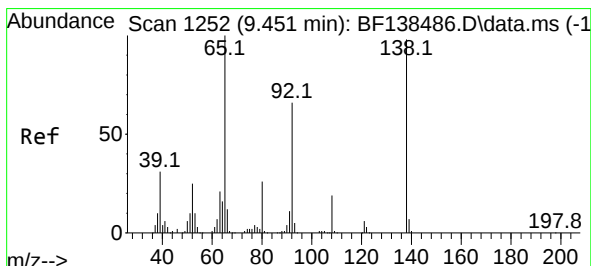
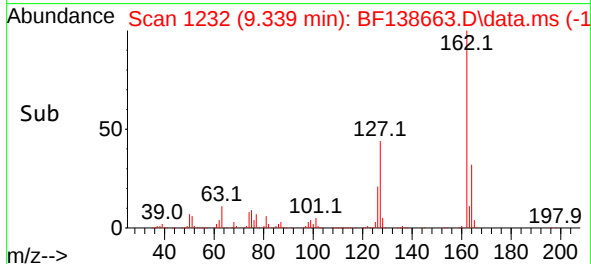
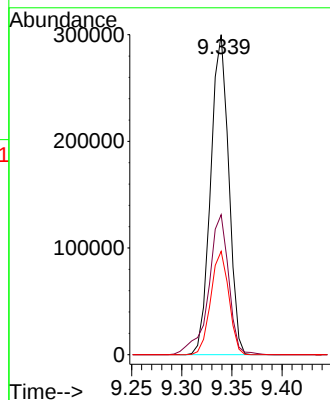
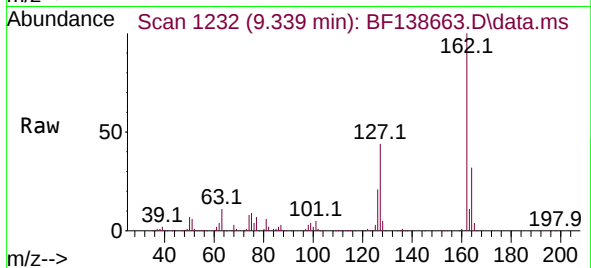
Tgt Ion:162 Resp: 374663

Ion Ratio Lower Upper

162 100

127 43.8 34.8 52.2

164 32.3 25.6 38.4



#48

2-Nitroaniline

Concen: 55.201 ng

RT: 9.433 min Scan# 1248

Delta R.T. -0.018 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

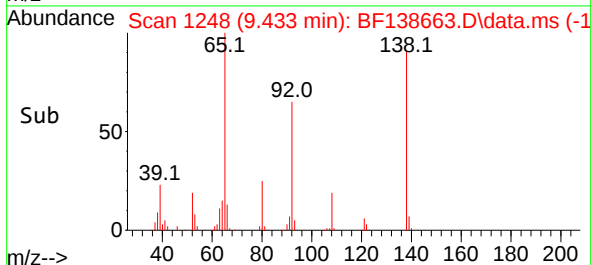
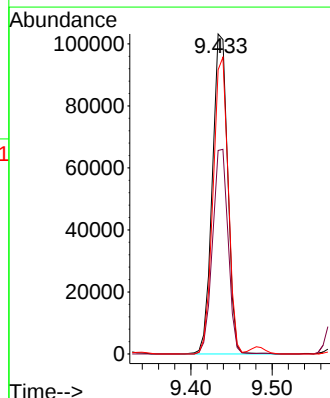
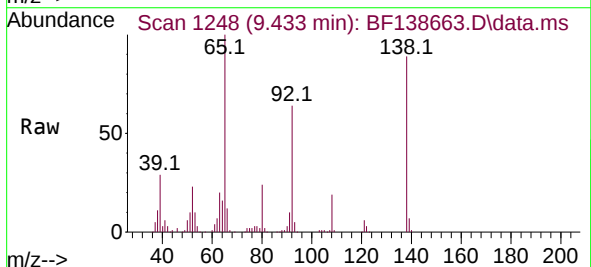
Tgt Ion: 65 Resp: 135524

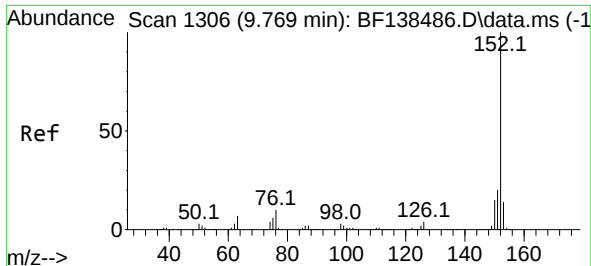
Ion Ratio Lower Upper

65 100

92 63.6 52.6 78.8

138 88.8 78.6 118.0





#49

Acenaphthylene

Concen: 55.653 ng

RT: 9.751 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF138663.D

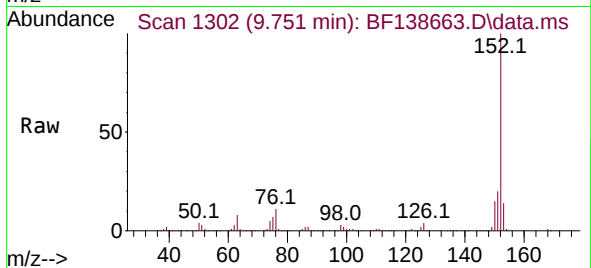
Acq: 25 Jul 2024 20:23

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS



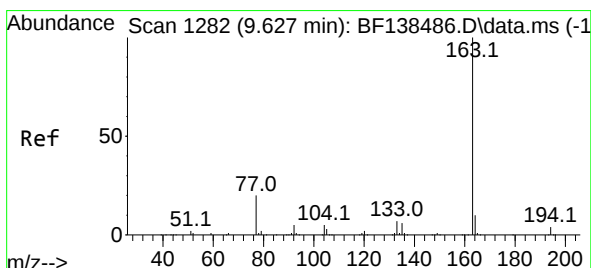
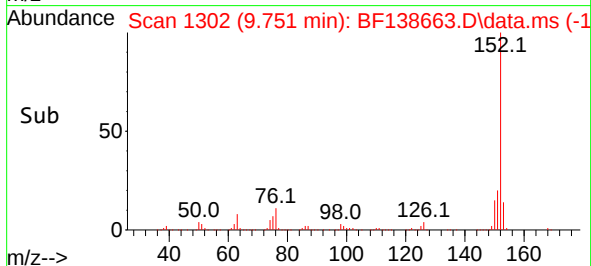
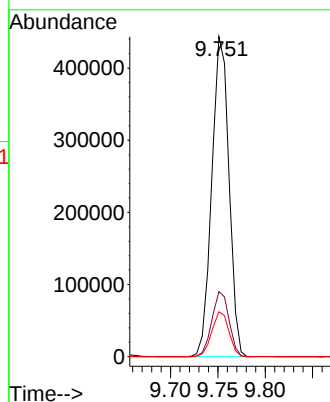
Tgt Ion:152 Resp: 559797

Ion Ratio Lower Upper

152 100

151 20.4 16.3 24.5

153 14.1 11.3 16.9



#50

Dimethylphthalate

Concen: 57.861 ng

RT: 9.610 min Scan# 1278

Delta R.T. -0.018 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

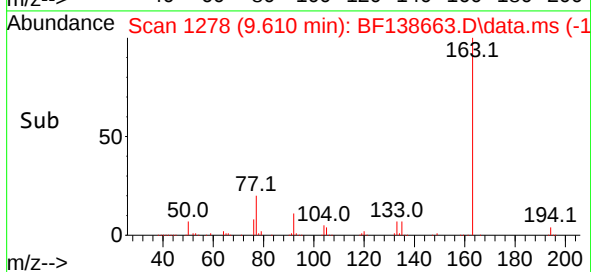
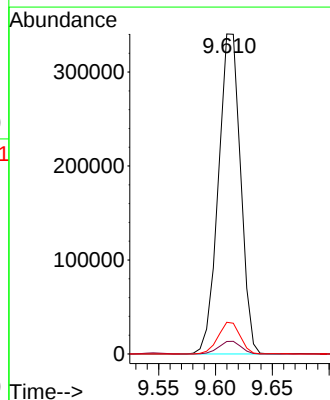
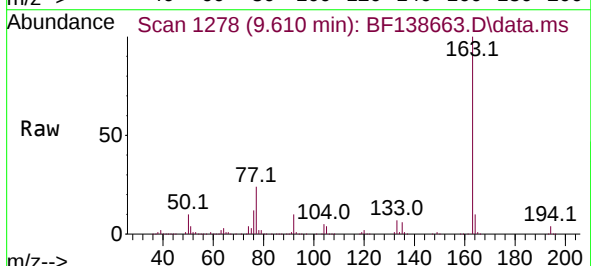
Tgt Ion:163 Resp: 462995

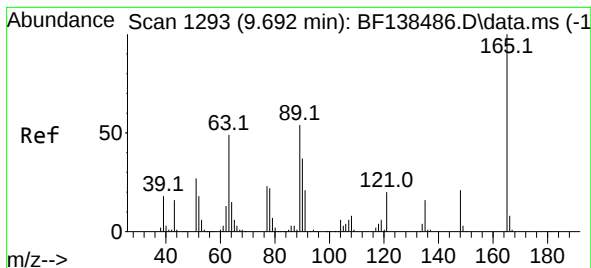
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 9.9 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 51.372 ng

RT: 9.675 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

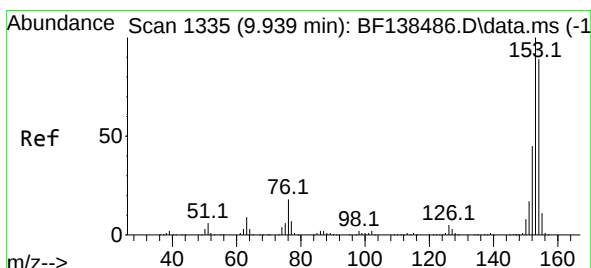
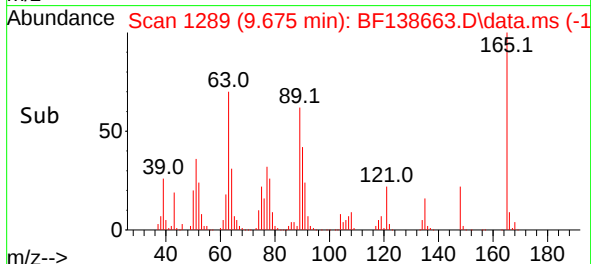
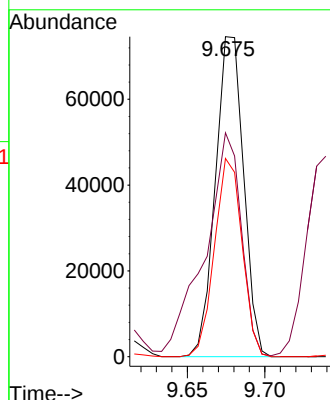
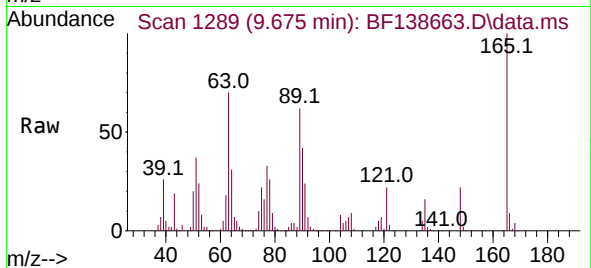
Tgt Ion:165 Resp: 94647

Ion Ratio Lower Upper

165 100

63 69.9 48.1 72.1

89 62.0 43.0 64.6



#52

Acenaphthene

Concen: 55.238 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.018 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

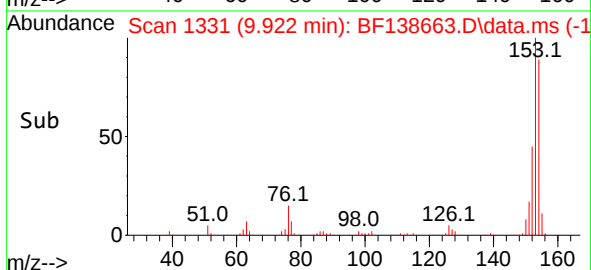
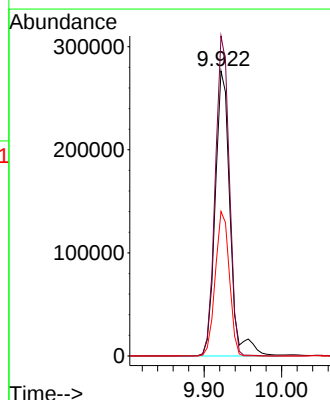
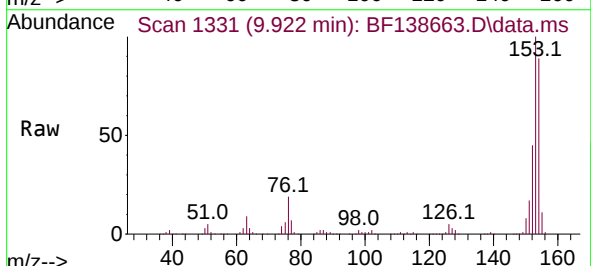
Tgt Ion:154 Resp: 369335

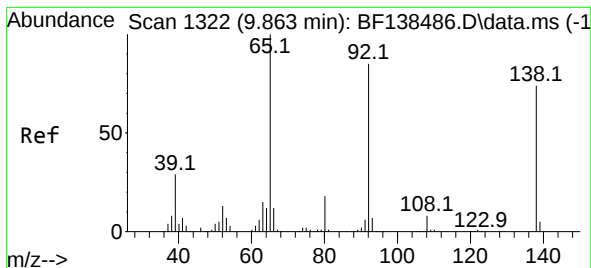
Ion Ratio Lower Upper

154 100

153 112.3 90.4 135.6

152 50.7 41.1 61.7





#53

3-Nitroaniline

Concen: 40.620 ng

RT: 9.845 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

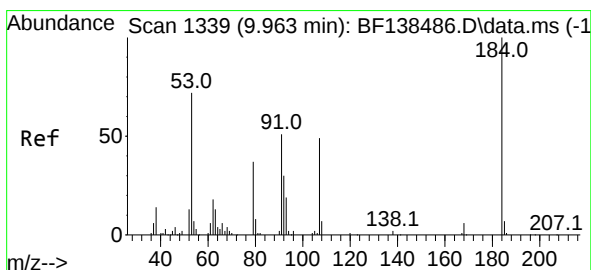
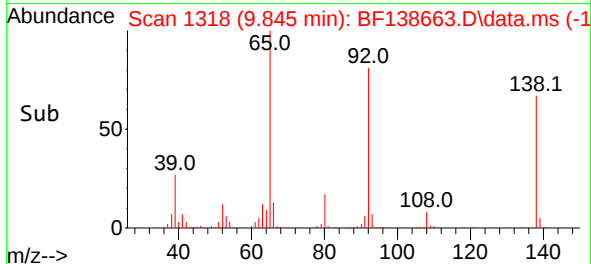
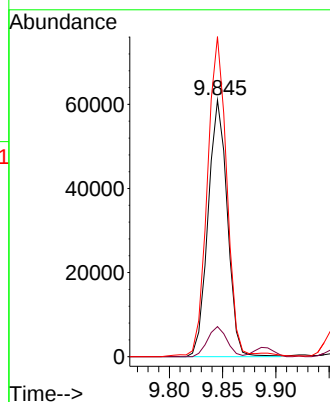
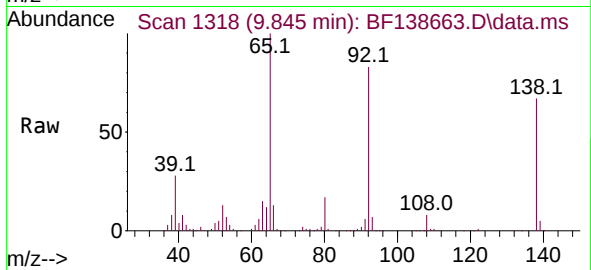
Tgt Ion:138 Resp: 76703

Ion Ratio Lower Upper

138 100

108 11.7 8.3 12.5

92 124.6 92.6 138.8



#54

2,4-Dinitrophenol

Concen: 34.307 ng

RT: 9.957 min Scan# 1337

Delta R.T. -0.006 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

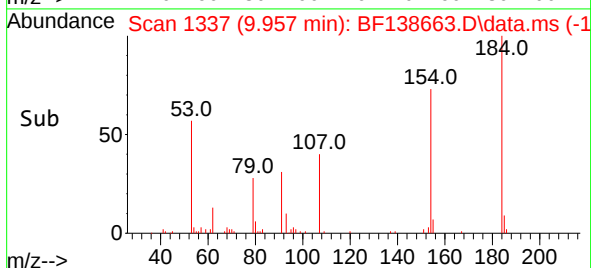
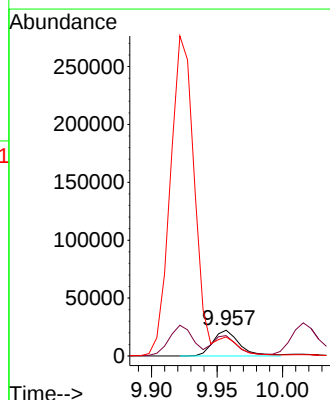
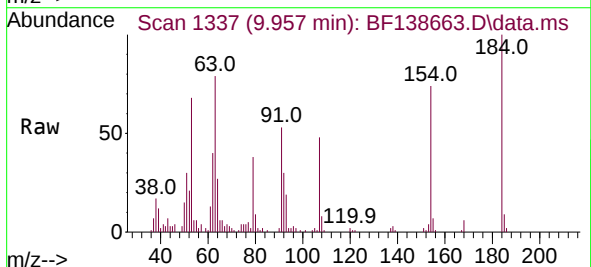
Tgt Ion:184 Resp: 31123

Ion Ratio Lower Upper

184 100

63 78.9 70.6 106.0

154 73.8 53.8 80.6

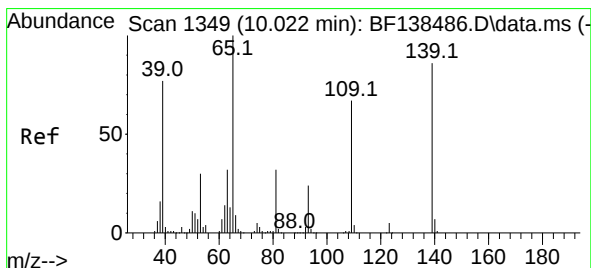
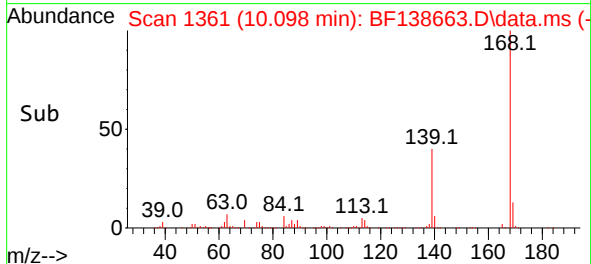
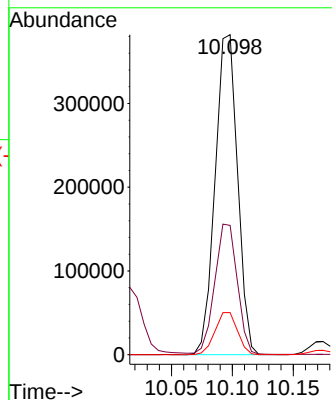
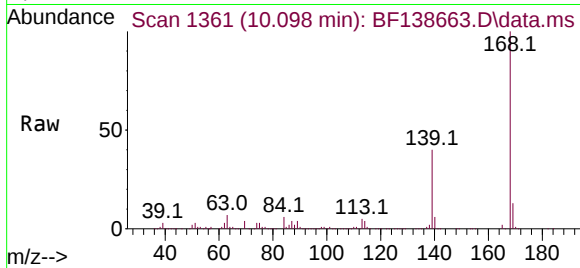




#55
Dibenzofuran
Concen: 50.505 ng
RT: 10.098 min Scan# 1361
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

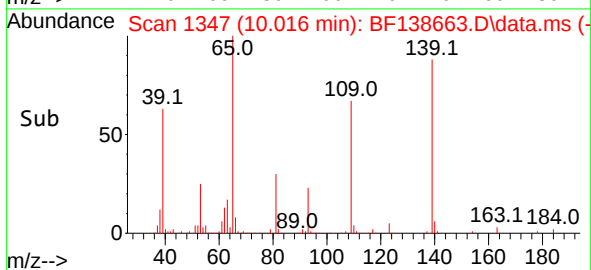
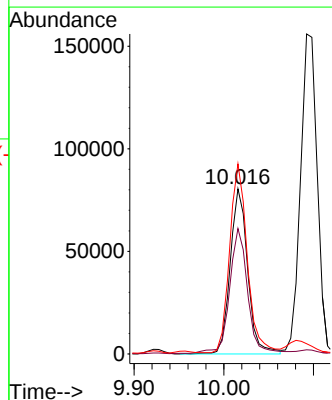
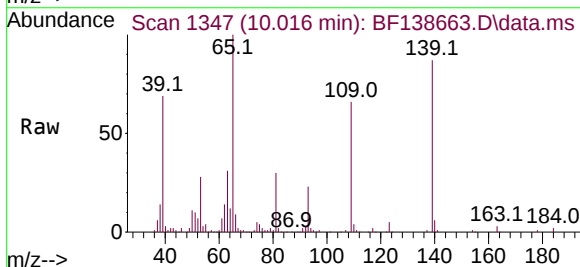
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

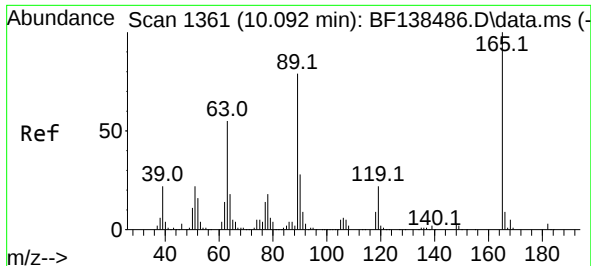
Tgt Ion:168 Resp: 489802
Ion Ratio Lower Upper
168 100
139 40.4 32.4 48.6
169 13.2 10.9 16.3



#56
4-Nitrophenol
Concen: 78.278 ng
RT: 10.016 min Scan# 1347
Delta R.T. -0.006 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Tgt Ion:139 Resp: 109066
Ion Ratio Lower Upper
139 100
109 76.0 58.1 98.1
65 115.2 96.9 136.9

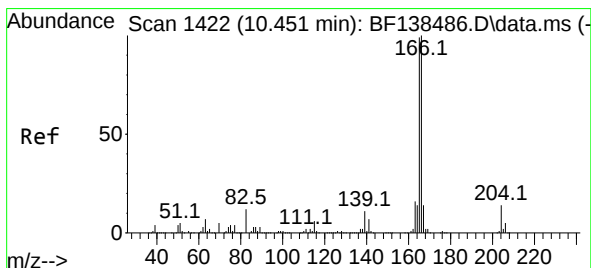
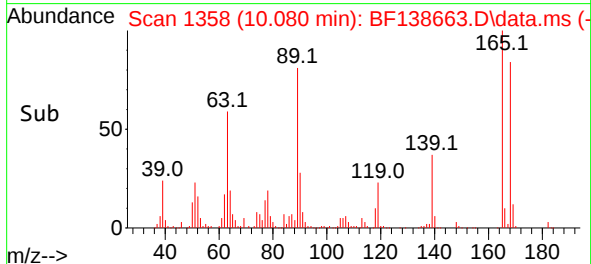
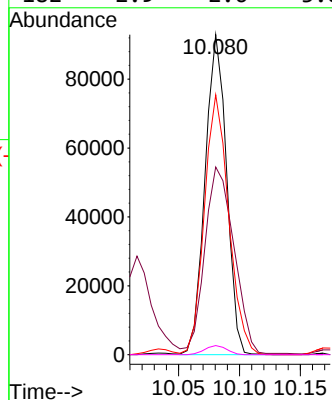
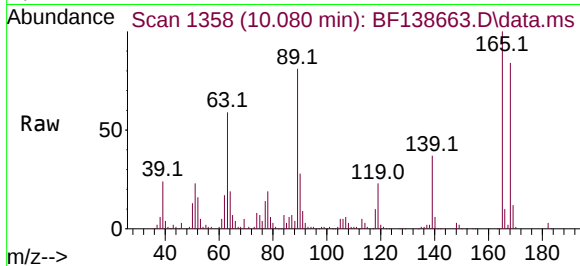




#57
2,4-Dinitrotoluene
Concen: 47.710 ng
RT: 10.080 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

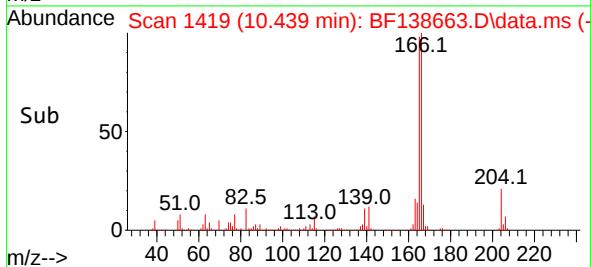
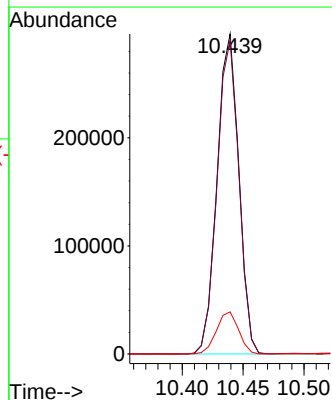
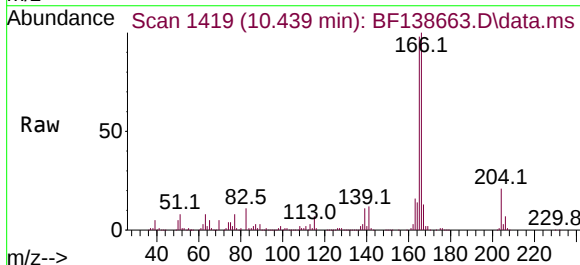
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

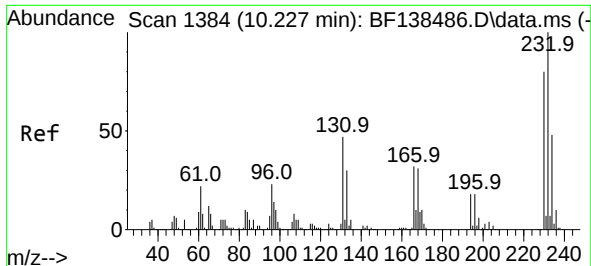
Tgt Ion:165 Resp: 113732
Ion Ratio Lower Upper
165 100
63 58.7 44.6 66.8
89 81.2 63.4 95.2
182 2.9 2.6 3.8



#58
Fluorene
Concen: 47.996 ng
RT: 10.439 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Tgt Ion:166 Resp: 368307
Ion Ratio Lower Upper
166 100
165 98.0 79.1 118.7
167 13.1 11.0 16.6

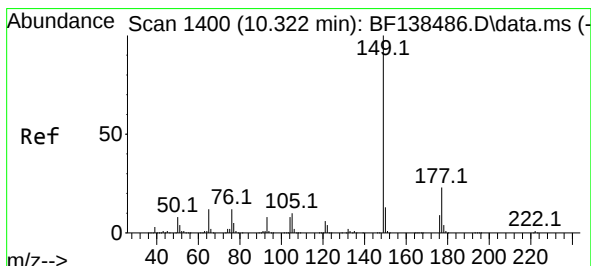
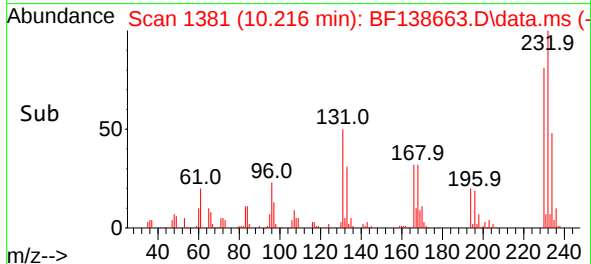
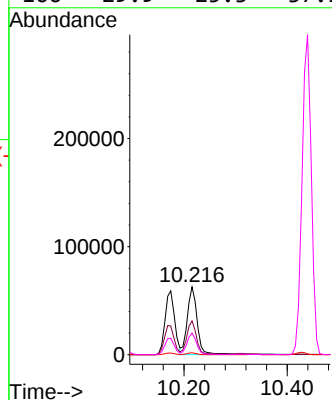
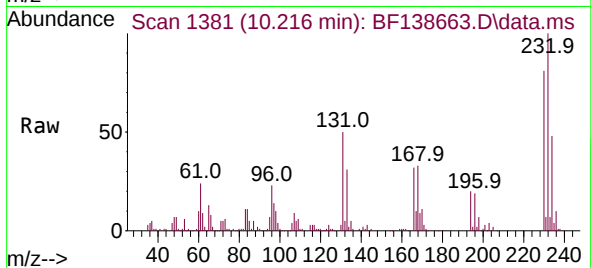




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.836 ng
RT: 10.216 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

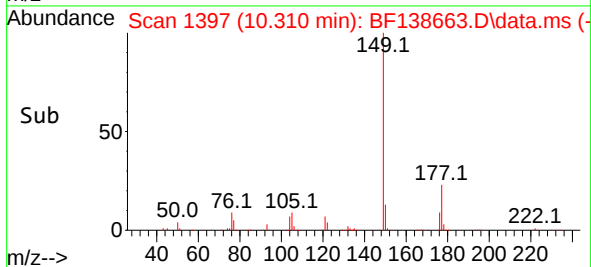
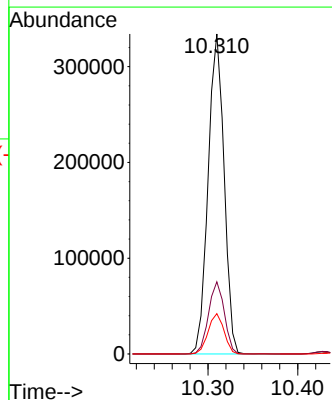
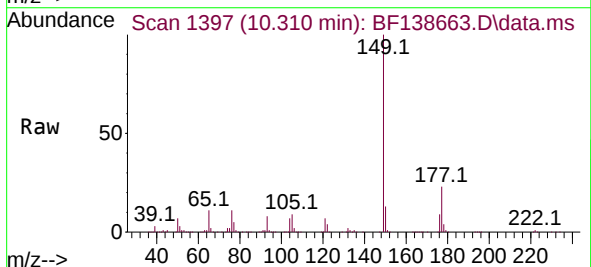
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

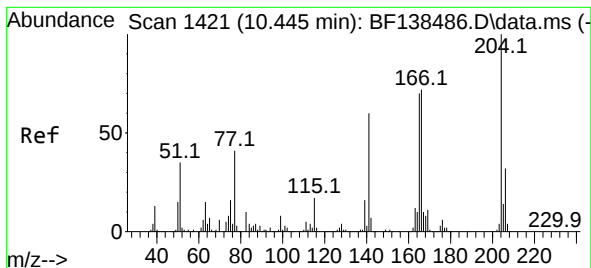
Tgt Ion:232 Resp: 83713
Ion Ratio Lower Upper
232 100
131 49.4 37.5 56.3
130 2.7 2.0 3.0
166 29.9 25.3 37.9



#60
Diethylphthalate
Concen: 53.442 ng
RT: 10.310 min Scan# 1397
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Tgt Ion:149 Resp: 412256
Ion Ratio Lower Upper
149 100
177 22.5 18.5 27.7
150 12.6 10.3 15.5

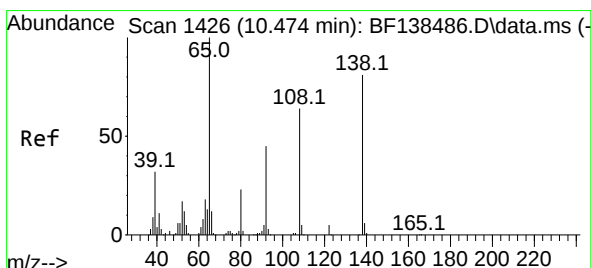
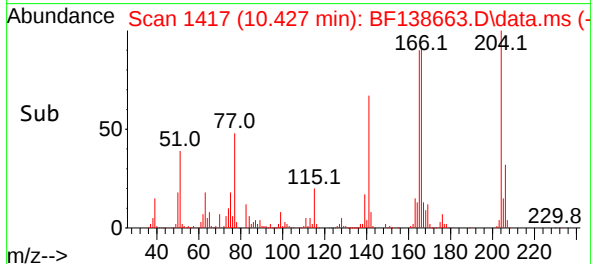
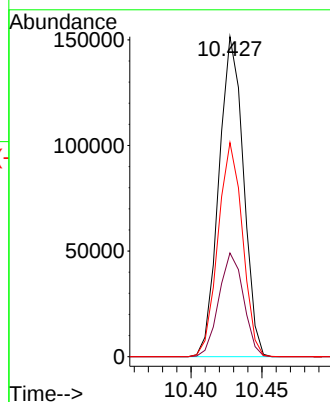
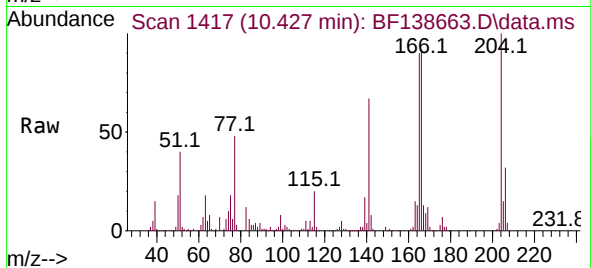




#61
4-Chlorophenyl-phenylether
Concen: 47.299 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.018 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

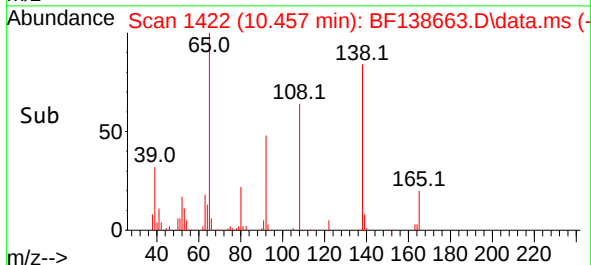
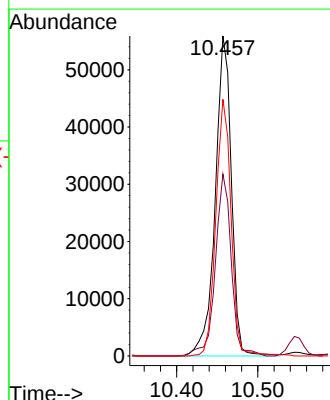
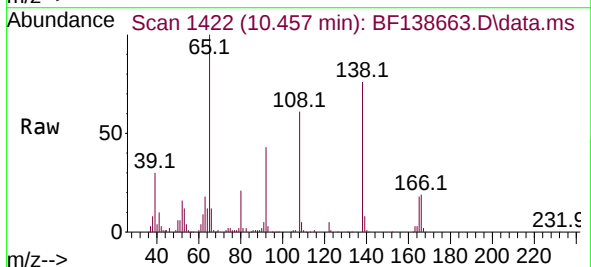
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

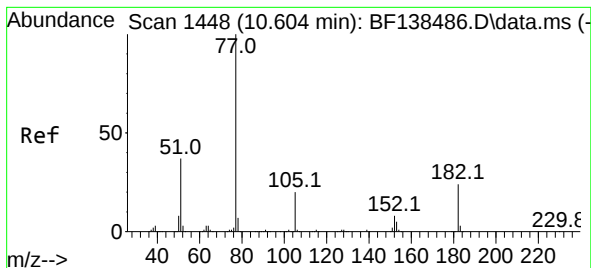
Tgt Ion:204 Resp: 182257
Ion Ratio Lower Upper
204 100
206 32.4 25.6 38.4
141 66.9 47.7 71.5



#62
4-Nitroaniline
Concen: 40.864 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.018 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Tgt Ion:138 Resp: 77324
Ion Ratio Lower Upper
138 100
92 56.8 35.8 75.8
108 80.2 59.8 99.8





#63

Azobenzene

Concen: 49.274 ng

RT: 10.586 min Scan# 1444

Delta R.T. -0.018 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

Tgt Ion: 77 Resp: 408663

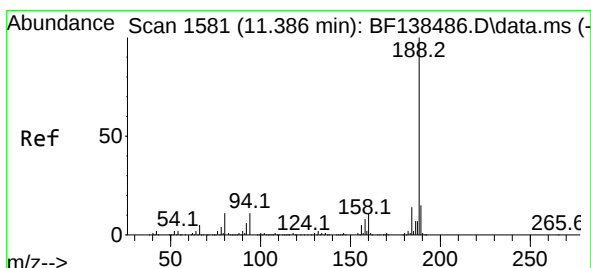
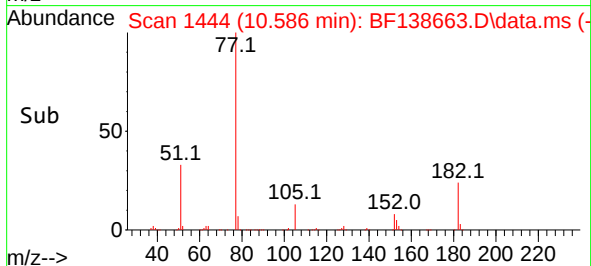
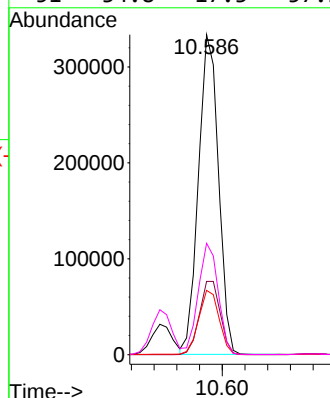
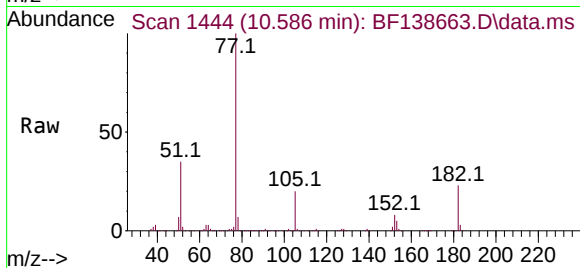
Ion Ratio Lower Upper

77 100

182 22.9 3.8 43.8

105 20.1 0.0 39.8

51 34.8 17.3 57.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1578

Delta R.T. -0.012 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

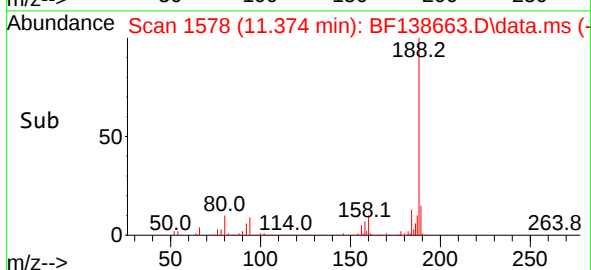
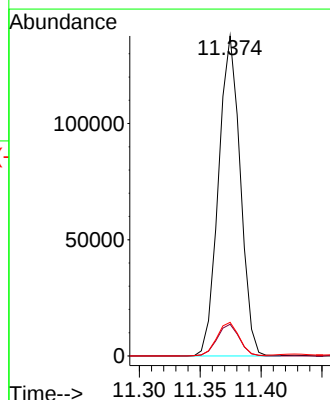
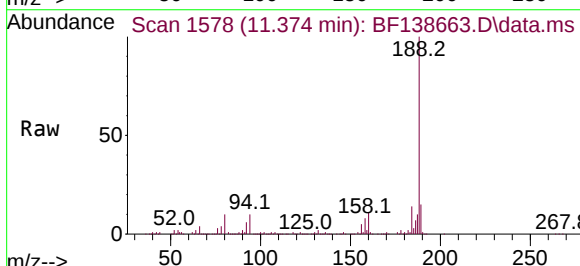
Tgt Ion: 188 Resp: 171285

Ion Ratio Lower Upper

188 100

94 9.9 8.7 13.1

80 10.5 9.0 13.4

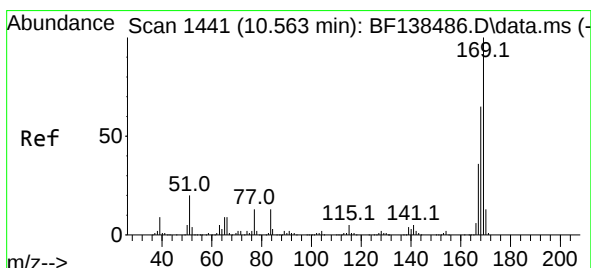
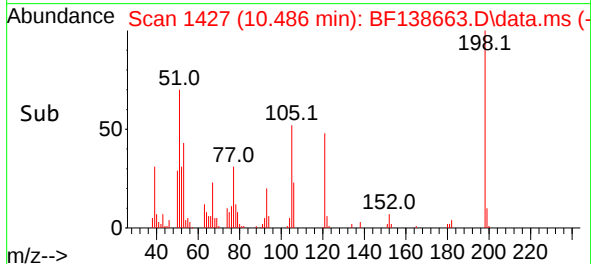
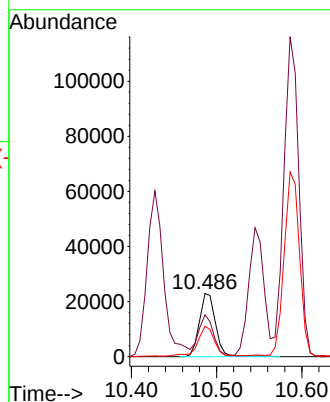
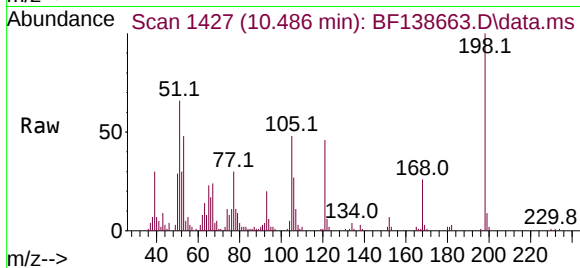




#65
4,6-Dinitro-2-methylphenol
Concen: 30.502 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.018 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

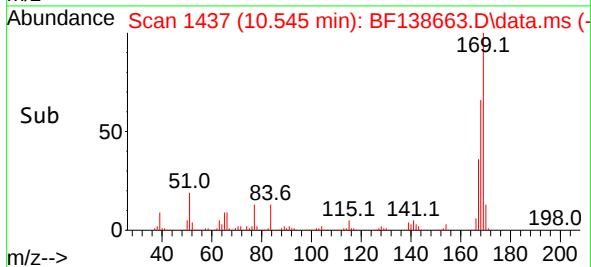
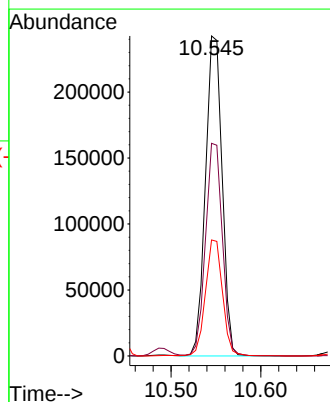
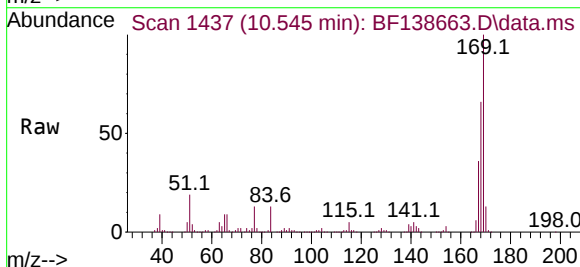
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion:198 Resp: 30167
Ion Ratio Lower Upper
198 100
51 66.1 27.2 67.2
105 48.2 18.5 58.5



#66
n-Nitrosodiphenylamine
Concen: 60.930 ng
RT: 10.545 min Scan# 1437
Delta R.T. -0.018 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Tgt Ion:169 Resp: 312683
Ion Ratio Lower Upper
169 100
168 66.5 51.7 77.5
167 36.3 28.5 42.7

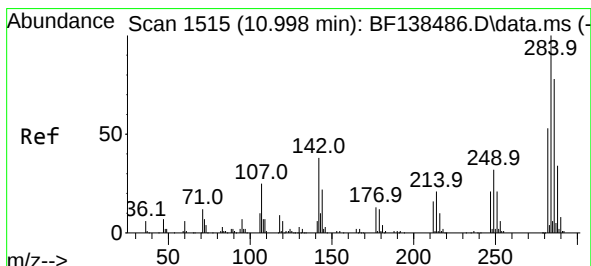
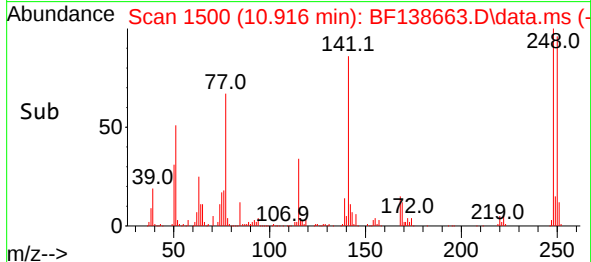
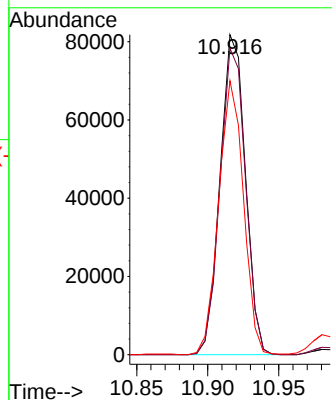
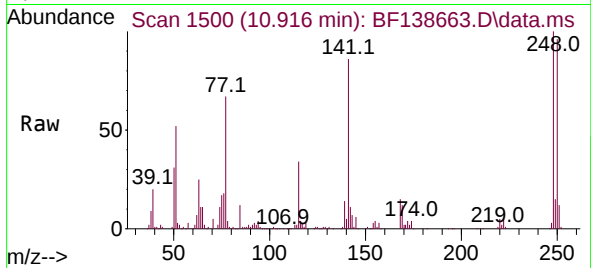




#67
4-Bromophenyl-phenylether
Concen: 57.511 ng
RT: 10.916 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

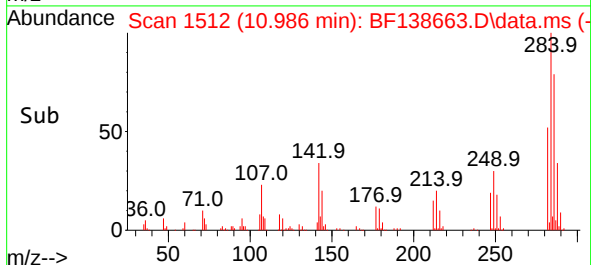
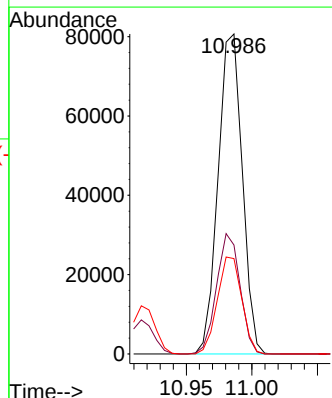
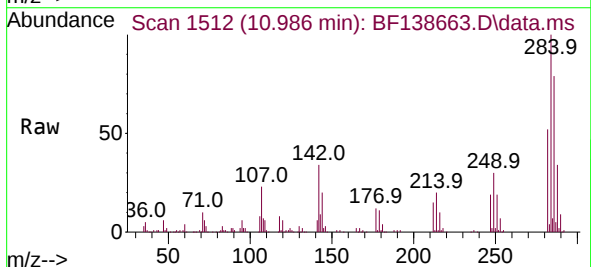
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion:248 Resp: 101247
Ion Ratio Lower Upper
248 100
250 95.7 77.9 116.9
141 85.6 67.7 101.5



#68
Hexachlorobenzene
Concen: 52.922 ng
RT: 10.986 min Scan# 1512
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Tgt Ion:284 Resp: 103503
Ion Ratio Lower Upper
284 100
142 34.1 30.5 45.7
249 29.8 25.9 38.9





#69

Atrazine

Concen: 53.750 ng

RT: 11.074 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

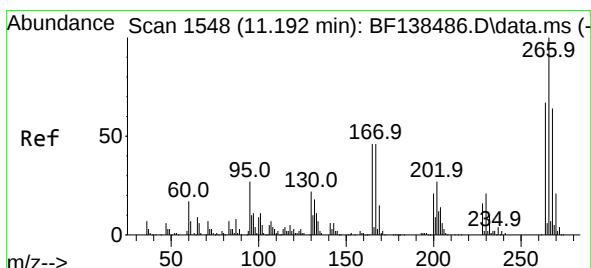
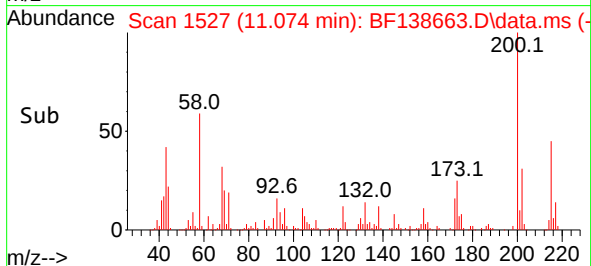
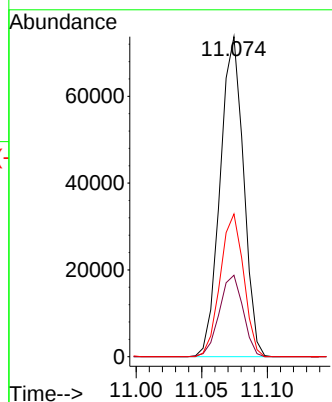
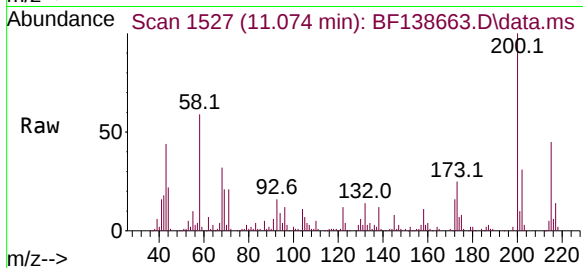
Tgt Ion:200 Resp: 91452

Ion Ratio Lower Upper

200 100

173 25.4 4.1 44.1

215 44.6 26.5 66.5



#70

Pentachlorophenol

Concen: 87.857 ng

RT: 11.180 min Scan# 1545

Delta R.T. -0.012 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

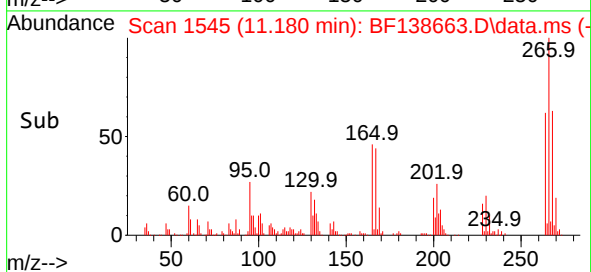
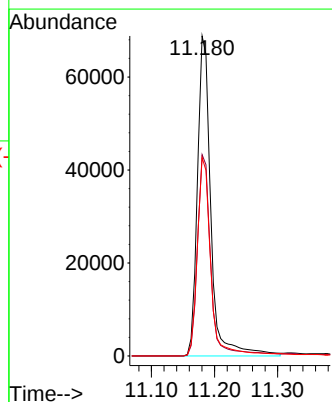
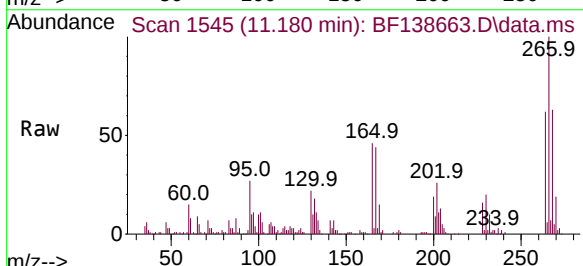
Tgt Ion:266 Resp: 101675

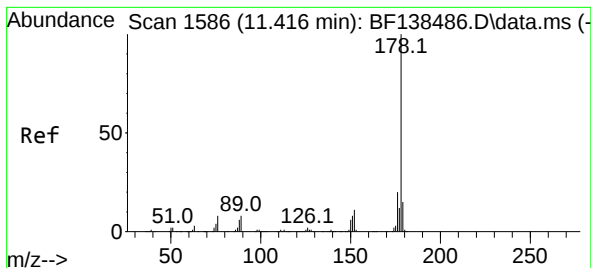
Ion Ratio Lower Upper

266 100

268 62.9 50.9 76.3

264 61.9 53.5 80.3





#71

Phenanthrene

Concen: 62.788 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.018 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

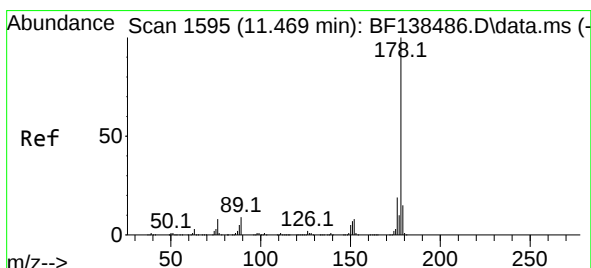
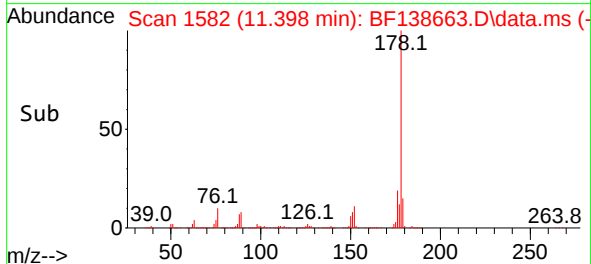
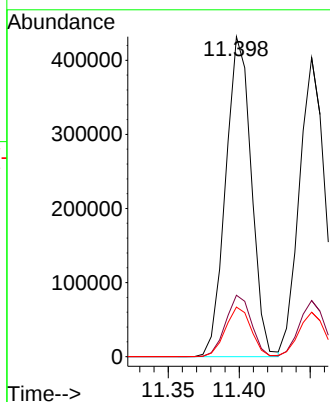
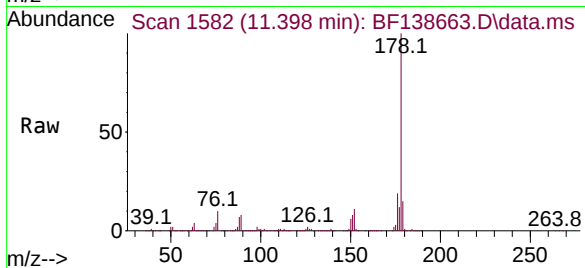
Tgt Ion:178 Resp: 543333

Ion Ratio Lower Upper

178 100

176 19.2 15.7 23.5

179 15.5 12.2 18.2



#72

Anthracene

Concen: 58.078 ng

RT: 11.451 min Scan# 1591

Delta R.T. -0.018 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

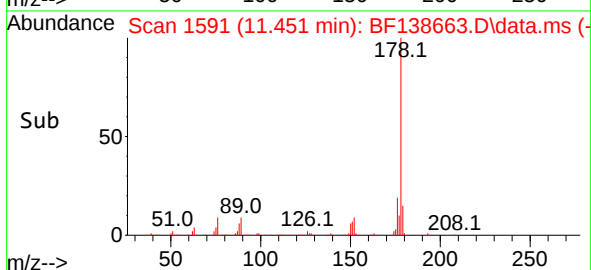
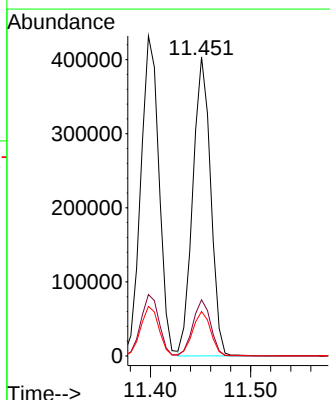
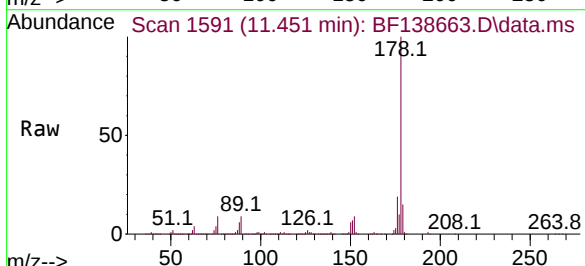
Tgt Ion:178 Resp: 498884

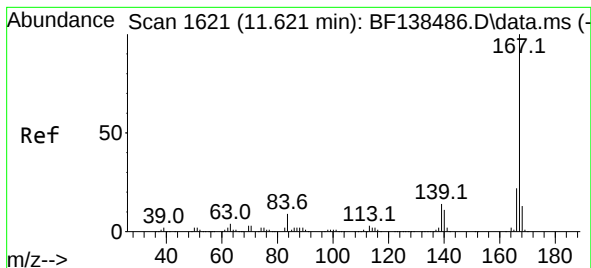
Ion Ratio Lower Upper

178 100

176 18.8 14.8 22.2

179 14.9 12.2 18.4





#73

Carbazole

Concen: 55.508 ng

RT: 11.610 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

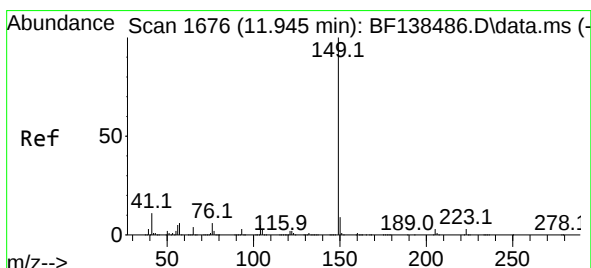
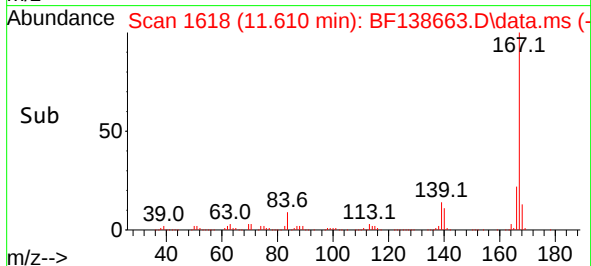
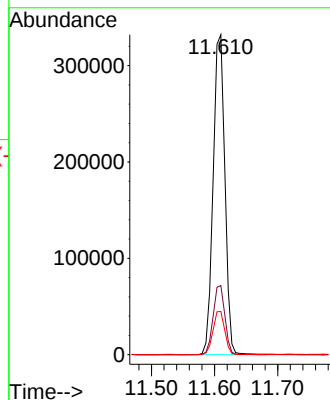
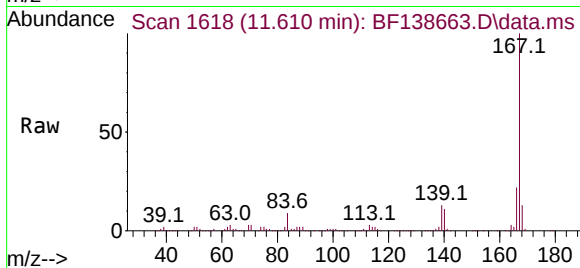
Tgt Ion:167 Resp: 428499

Ion Ratio Lower Upper

167 100

166 21.6 17.8 26.6

139 13.5 11.0 16.4



#74

Di-n-butylphthalate

Concen: 60.000 ng

RT: 11.933 min Scan# 1673

Delta R.T. -0.012 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

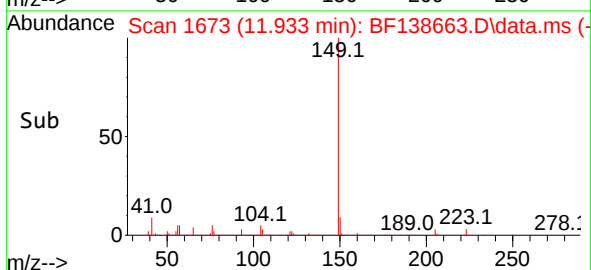
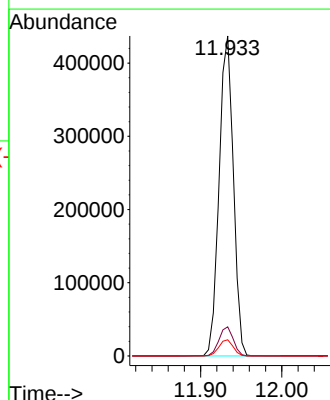
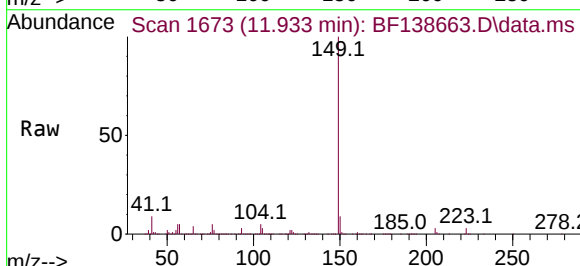
Tgt Ion:149 Resp: 533885

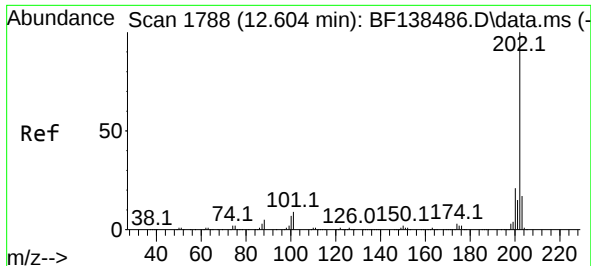
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.0

104 5.0 4.4 6.6

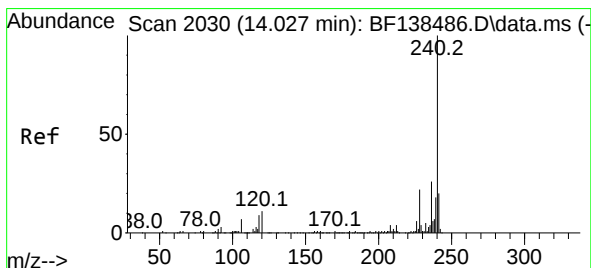
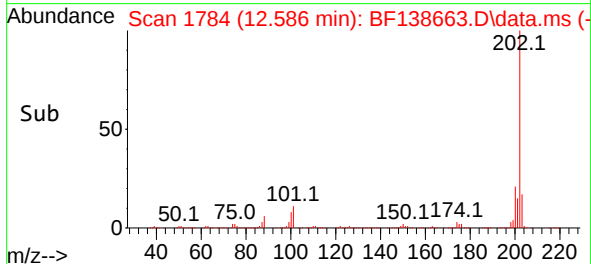
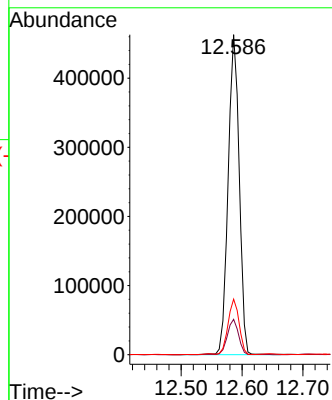
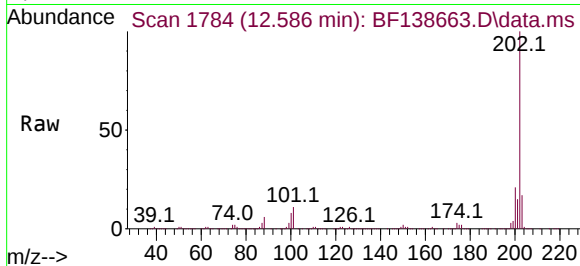




#75
Fluoranthene
Concen: 66.284 ng
RT: 12.586 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

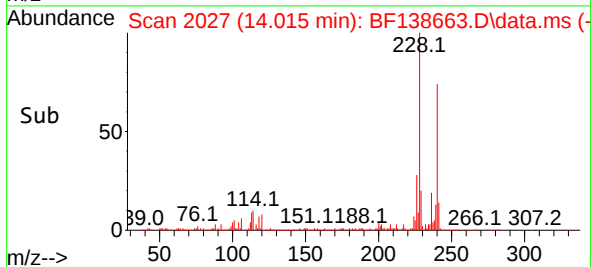
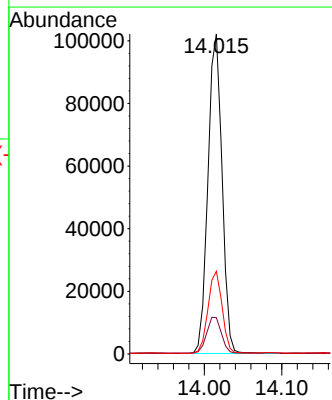
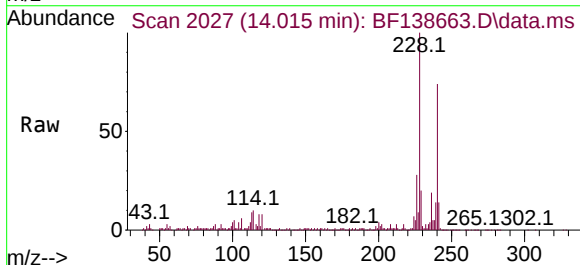
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

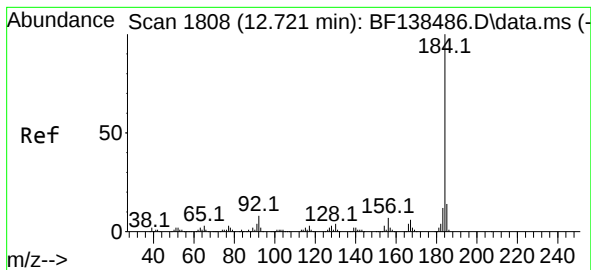
Tgt Ion:202 Resp: 585285
Ion Ratio Lower Upper
202 100
101 11.1 0.0 29.2
203 17.3 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2027
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Tgt Ion:240 Resp: 128579
Ion Ratio Lower Upper
240 100
120 11.3 8.6 12.8
236 25.9 21.0 31.6





#77

Benzidine

Concen: 55.196 ng

RT: 12.710 min Scan# 1805

Delta R.T. -0.011 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

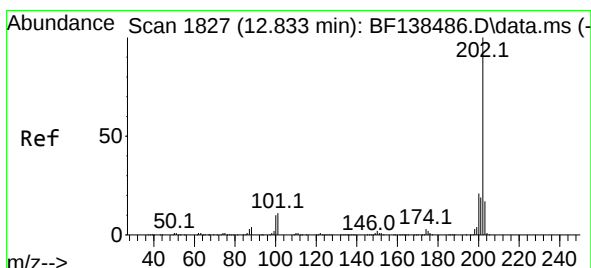
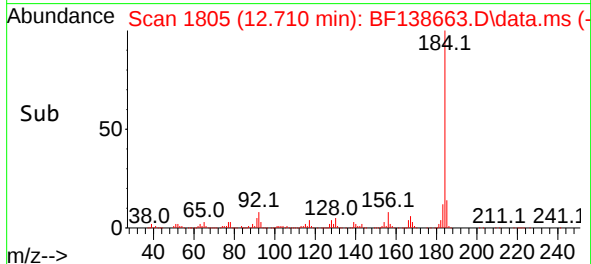
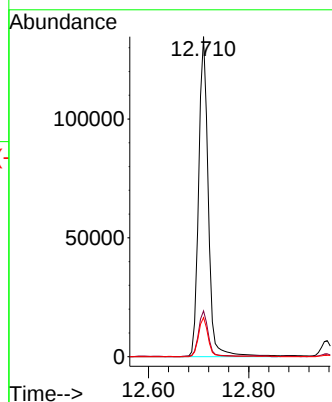
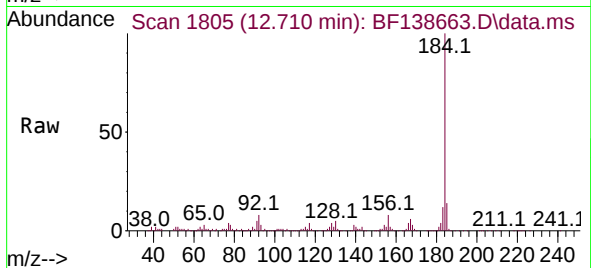
Tgt Ion:184 Resp: 179058

Ion Ratio Lower Upper

184 100

185 14.3 11.3 16.9

183 12.2 9.5 14.3



#78

Pyrene

Concen: 45.385 ng

RT: 12.816 min Scan# 1823

Delta R.T. -0.018 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

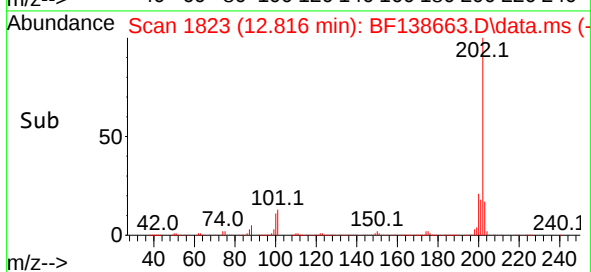
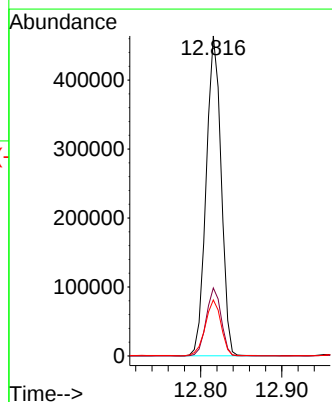
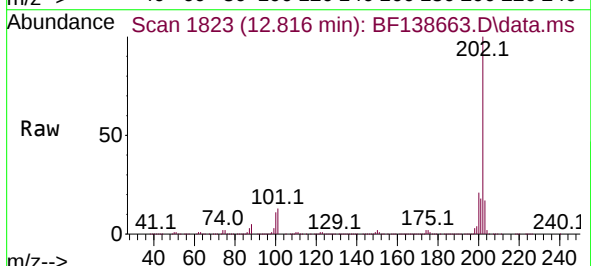
Tgt Ion:202 Resp: 592393

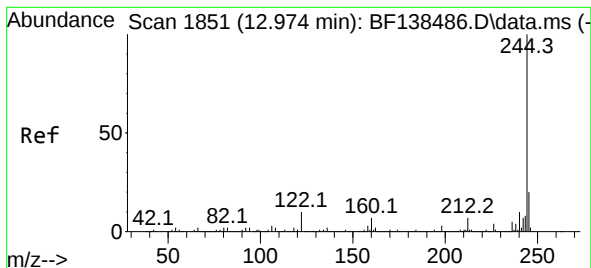
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.6

203 17.5 13.7 20.5





#79

Terphenyl-d14

Concen: 79.350 ng

RT: 12.957 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

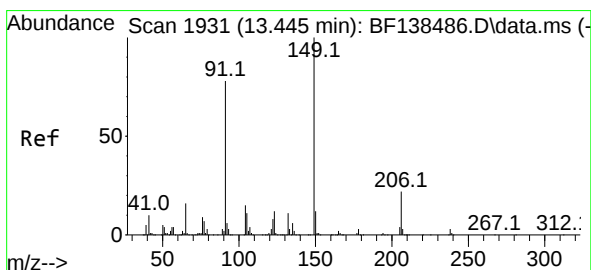
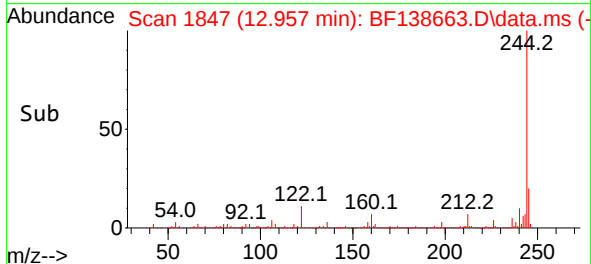
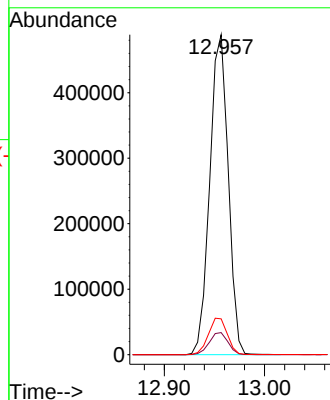
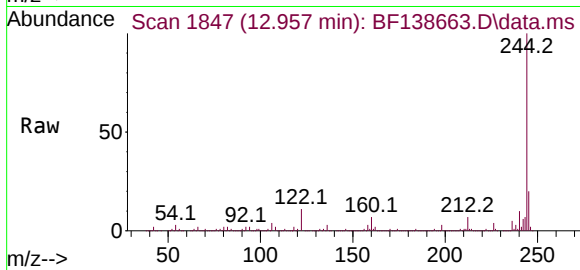
Tgt Ion:244 Resp: 626272

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 11.2 7.8 11.8



#80

Butylbenzylphthalate

Concen: 58.080 ng

RT: 13.427 min Scan# 1927

Delta R.T. -0.018 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

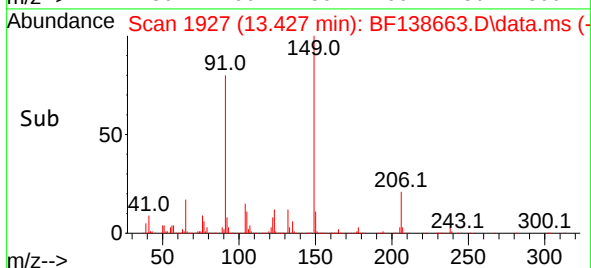
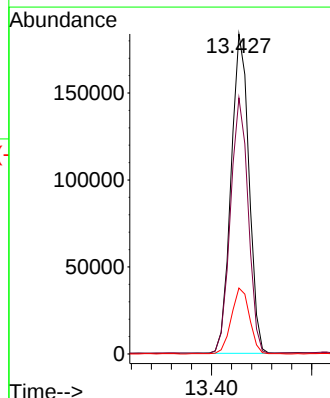
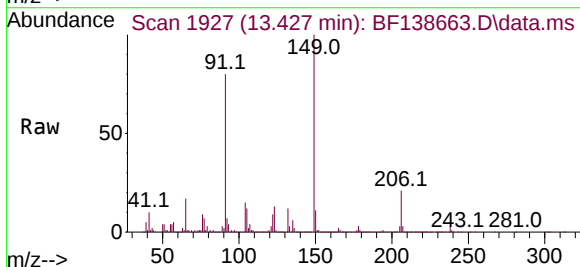
Tgt Ion:149 Resp: 228049

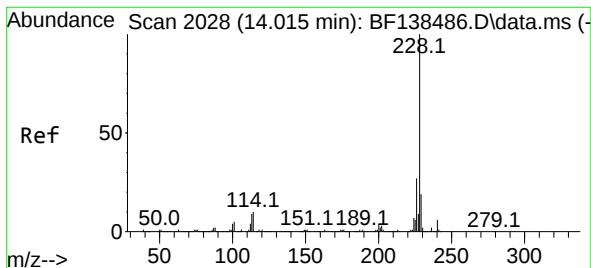
Ion Ratio Lower Upper

149 100

91 80.1 62.1 93.1

206 20.6 18.0 27.0





#81

Benzo(a)anthracene

Concen: 59.634 ng

RT: 14.004 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

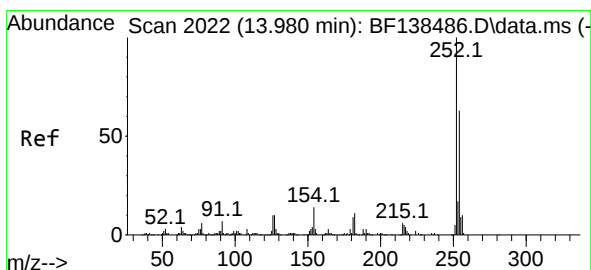
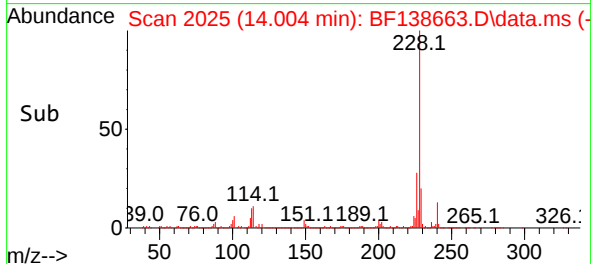
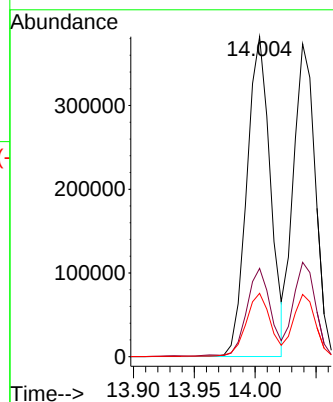
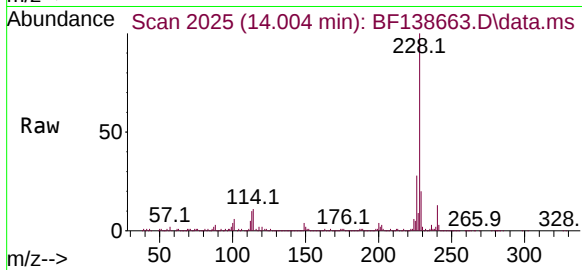
Tgt Ion:228 Resp: 514504

Ion Ratio Lower Upper

228 100

226 27.6 21.9 32.9

229 19.8 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 58.721 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.018 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

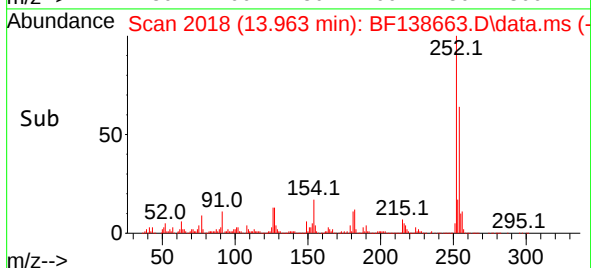
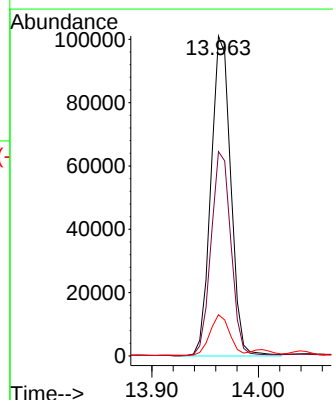
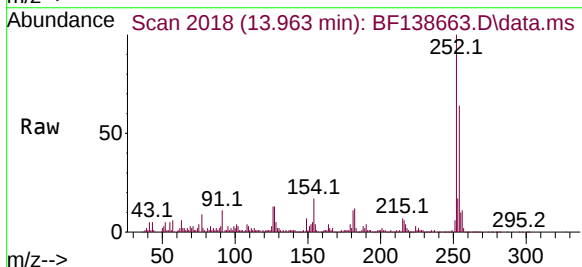
Tgt Ion:252 Resp: 130544

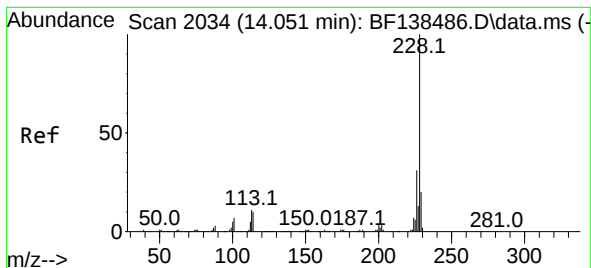
Ion Ratio Lower Upper

252 100

254 63.9 50.3 75.5

126 12.9 8.1 12.1#





#83

Chrysene

Concen: 57.107 ng

RT: 14.039 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

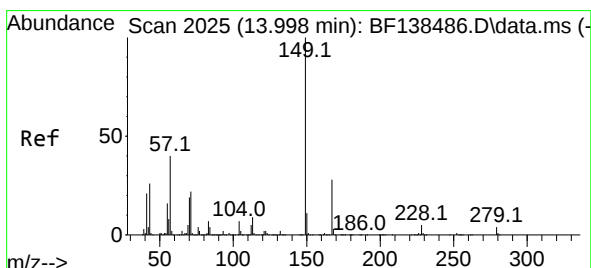
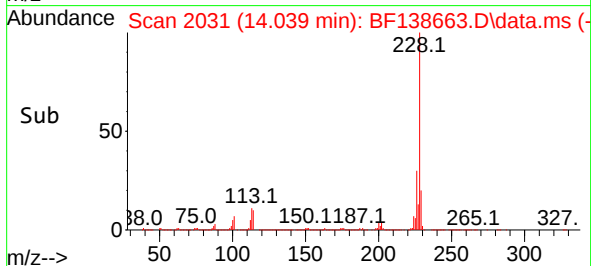
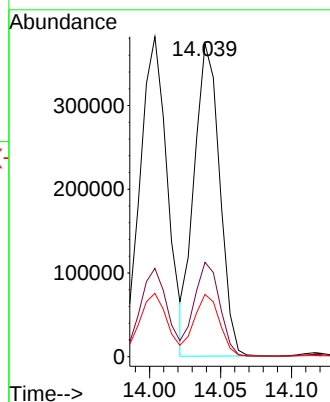
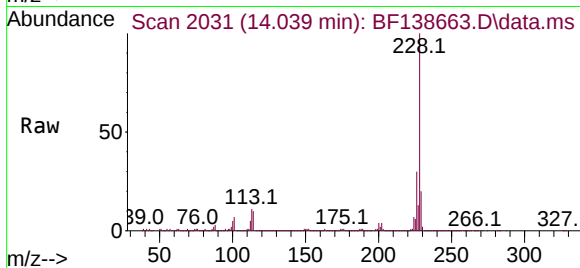
Tgt Ion:228 Resp: 466095

Ion Ratio Lower Upper

228 100

226 30.2 24.4 36.6

229 19.9 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 77.118 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.012 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

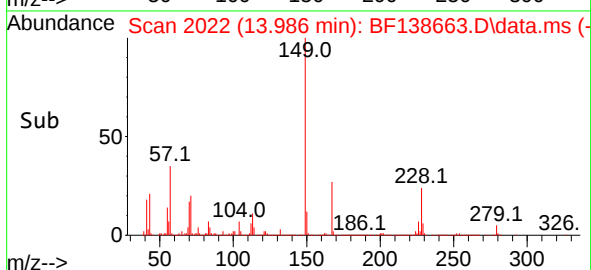
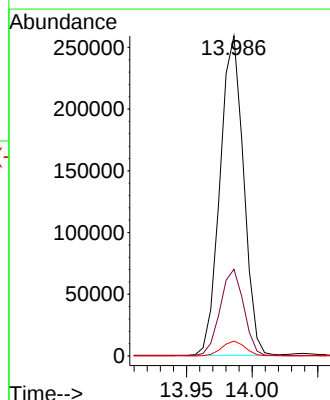
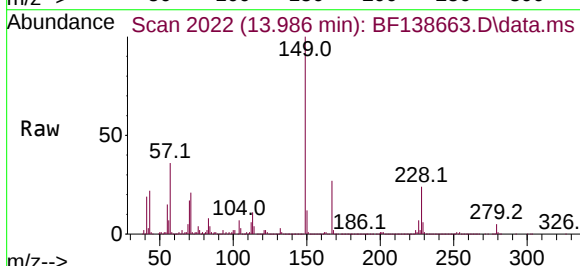
Tgt Ion:149 Resp: 322939

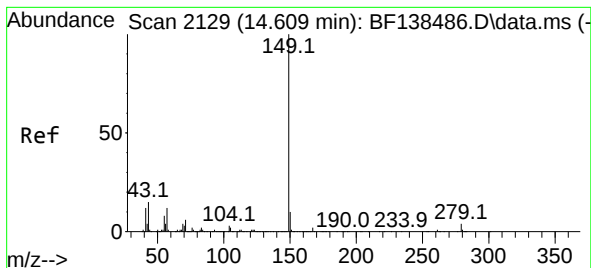
Ion Ratio Lower Upper

149 100

167 27.1 22.5 33.7

279 4.6 3.0 4.6#





#85

Di-n-octyl phthalate

Concen: 81.404 ng

RT: 14.598 min Scan# 2126

Delta R.T. -0.011 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

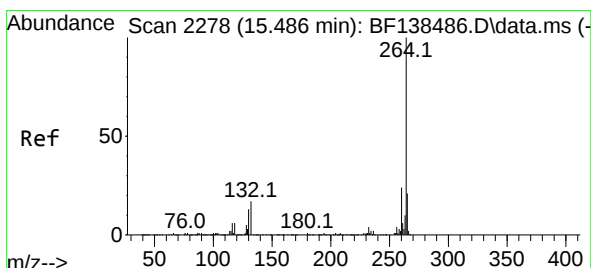
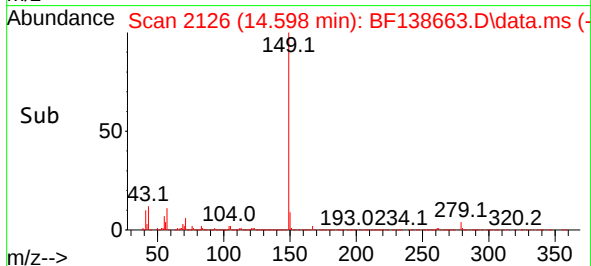
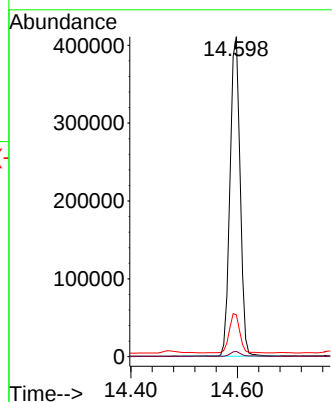
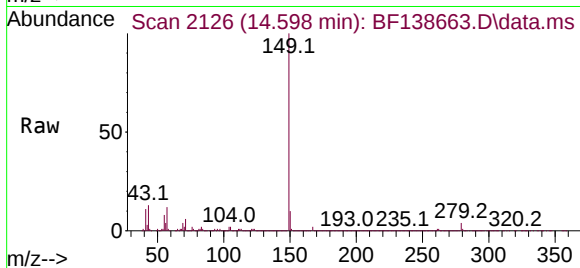
Tgt Ion:149 Resp: 538521

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

43 12.8 10.7 16.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 2275

Delta R.T. -0.012 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

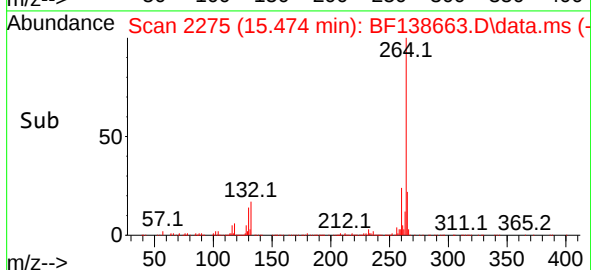
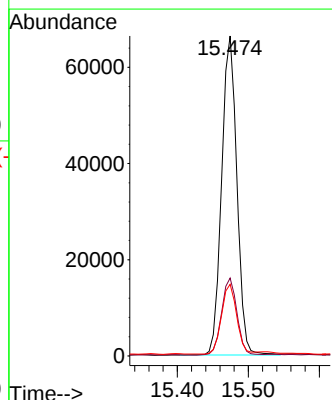
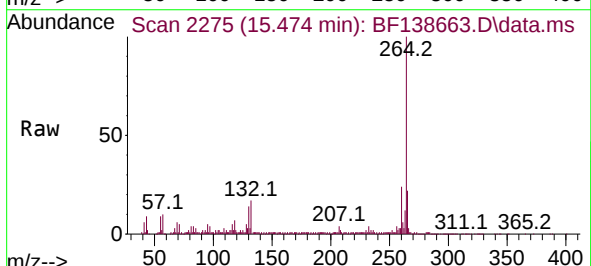
Tgt Ion:264 Resp: 98529

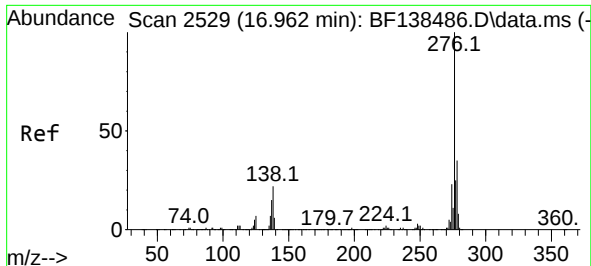
Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.6

265 22.4 17.0 25.4

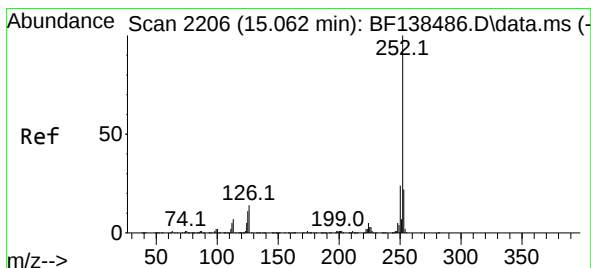
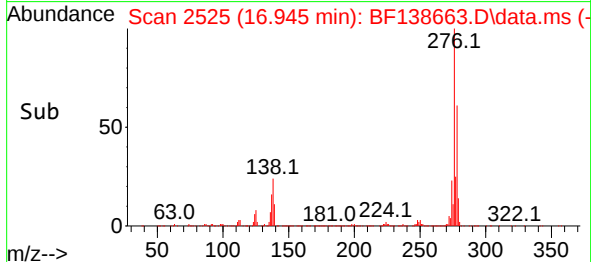
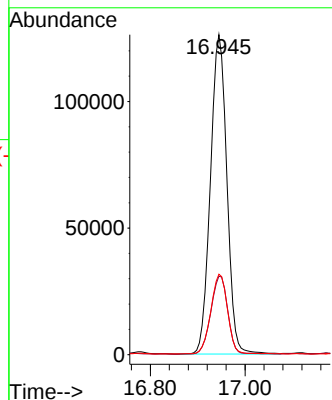
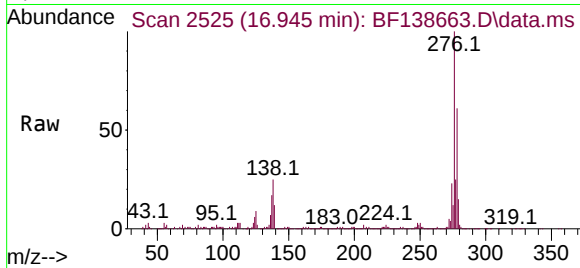




#87
Indeno(1,2,3-cd)pyrene
Concen: 46.013 ng
RT: 16.945 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

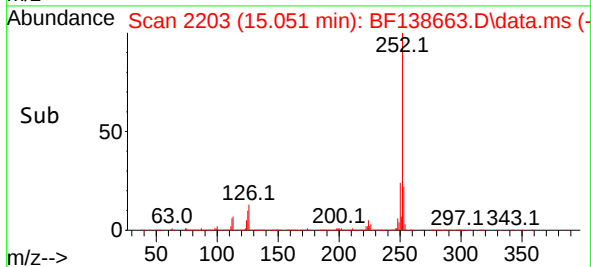
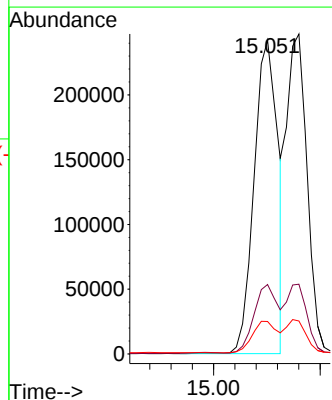
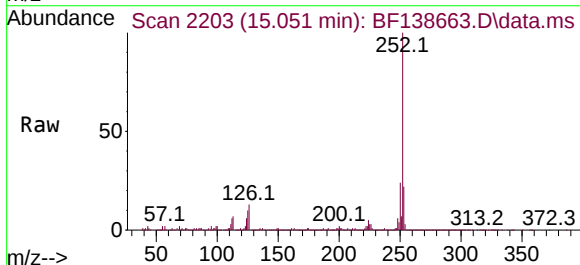
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

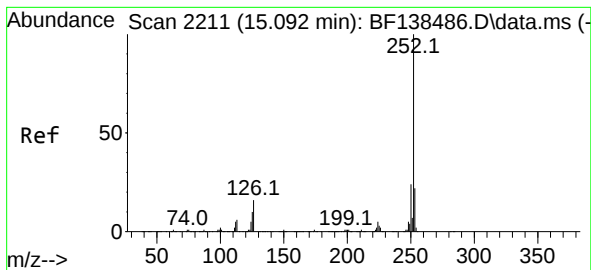
Tgt Ion:276 Resp: 304526
Ion Ratio Lower Upper
276 100
138 25.3 19.6 29.4
277 25.1 20.5 30.7



#88
Benzo(b)fluoranthene
Concen: 67.341 ng
RT: 15.051 min Scan# 2203
Delta R.T. -0.012 min
Lab File: BF138663.D
Acq: 25 Jul 2024 20:23

Tgt Ion:252 Resp: 373667
Ion Ratio Lower Upper
252 100
253 22.1 17.3 25.9
125 10.4 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 60.641 ng

RT: 15.080 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

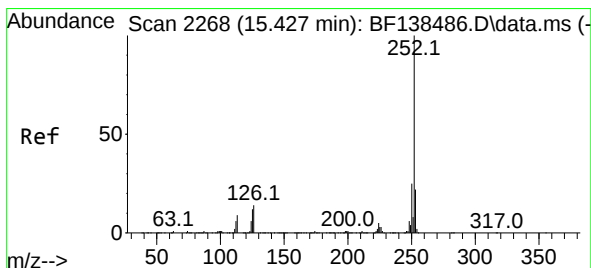
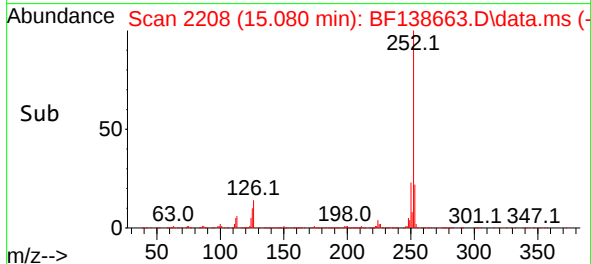
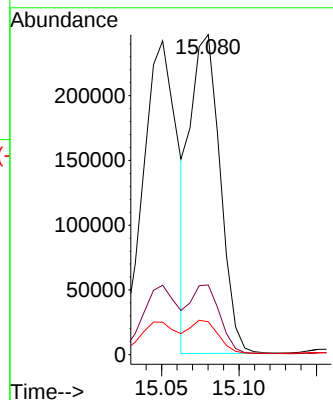
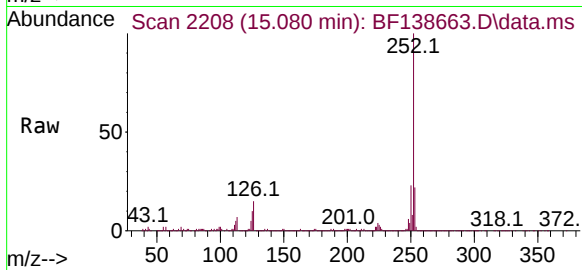
Tgt Ion:252 Resp: 328172

Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 10.3 8.1 12.1



#90

Benzo(a)pyrene

Concen: 61.246 ng

RT: 15.415 min Scan# 2265

Delta R.T. -0.012 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

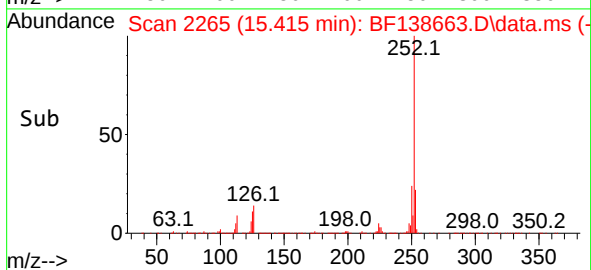
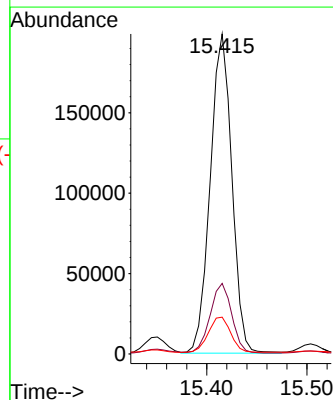
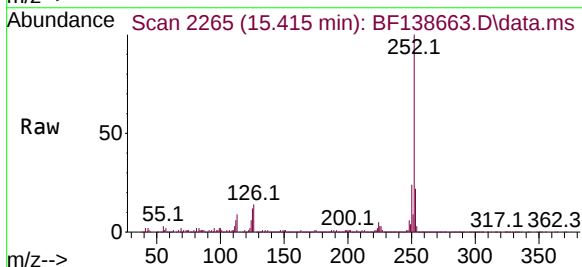
Tgt Ion:252 Resp: 298538

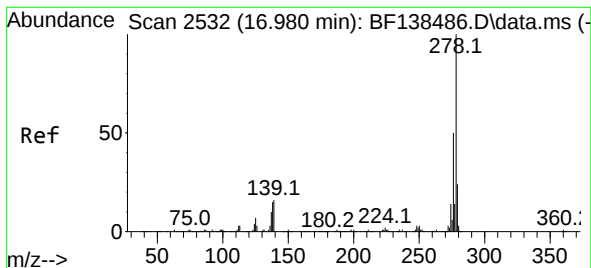
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 11.5 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 44.130 ng

RT: 16.956 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

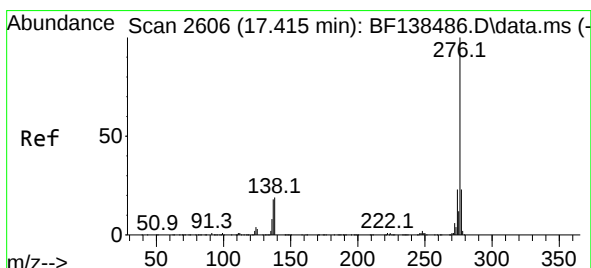
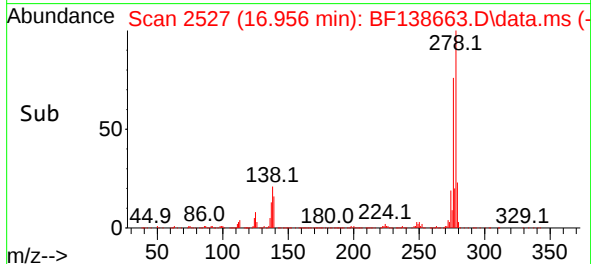
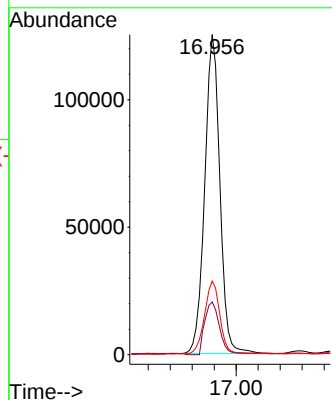
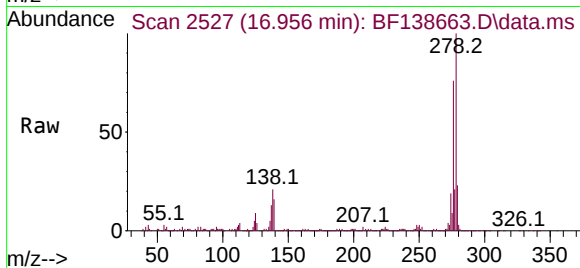
Tgt Ion:278 Resp: 238909

Ion Ratio Lower Upper

278 100

139 16.5 12.8 19.2

279 23.0 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 41.800 ng

RT: 17.386 min Scan# 2600

Delta R.T. -0.029 min

Lab File: BF138663.D

Acq: 25 Jul 2024 20:23

Tgt Ion:276 Resp: 239961

Ion Ratio Lower Upper

276 100

277 23.5 18.0 27.0

138 22.0 15.5 23.3

