

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
 Data File : BF138908.D
 Acq On : 10 Aug 2024 14:17
 Operator : RC/JU
 Sample : P3464-02MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOILMSD

Quant Time: Aug 12 01:14:10 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	34903	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	140861	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	76790	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	113664	20.000	ng	0.00
76) Chrysene-d12	14.004	240	65712	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	78199	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	119108	52.678	ng	0.00
7) Phenol-d6	6.481	99	94209	31.034	ng	0.00
23) Nitrobenzene-d5	7.410	82	256389	88.990	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	81267	129.198	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	465482	91.078	ng	-0.01
79) Terphenyl-d14	12.939	244	359282	91.541	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.611	88	15440	15.597	ng	# 88
3) Pyridine	3.381	79	35626	14.857	ng	# 92
4) n-Nitrosodimethylamine	3.322	42	33721	23.611	ng	# 76
6) Aniline	6.504	93	88081	32.535	ng	98
8) 2-Chlorophenol	6.634	128	98175	41.269	ng	96
9) Benzaldehyde	6.399	77	6585	3.619	ng	98
10) Phenol	6.498	94	47437	14.841	ng	# 30
11) bis(2-Chloroethyl)ether	6.575	93	114951	46.735	ng	99
12) 1,3-Dichlorobenzene	6.781	146	105413	39.586	ng	99
13) 1,4-Dichlorobenzene	6.857	146	109975	40.923	ng	99
14) 1,2-Dichlorobenzene	7.010	146	103972	41.398	ng	98
15) Benzyl Alcohol	6.987	79	77799	35.557	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.110	45	199271	47.077	ng	74
17) 2-Methylphenol	7.104	107	64313	32.740	ng	# 80
18) Hexachloroethane	7.346	117	40566	40.102	ng	98
19) n-Nitroso-di-n-propyla...	7.251	70	100425	54.772	ng	96
20) 3+4-Methylphenols	7.257	107	78106	30.990	ng	# 83
22) Acetophenone	7.251	105	174794	50.680	ng	96
24) Nitrobenzene	7.428	77	143678	49.008	ng	99
25) Isophorone	7.663	82	260785	53.009	ng	98
26) 2-Nitrophenol	7.740	139	63051	49.988	ng	92
27) 2,4-Dimethylphenol	7.781	122	73155	48.475	ng	94
28) bis(2-Chloroethoxy)met...	7.869	93	149983	50.063	ng	99
29) 2,4-Dichlorophenol	7.987	162	93205	48.063	ng	99
30) 1,2,4-Trichlorobenzene	8.063	180	100344	44.838	ng	99
31) Naphthalene	8.145	128	350866	47.322	ng	99
32) Benzoic acid	7.904	122	8815	7.431	ng	92
33) 4-Chloroaniline	8.198	127	105658	42.452	ng	99
34) Hexachlorobutadiene	8.251	225	58986	43.516	ng	98
35) Caprolactam	8.575	113	4645	8.028	ng	93
36) 4-Chloro-3-methylphenol	8.681	107	102658	46.321	ng	99
37) 2-Methylnaphthalene	8.834	142	240011	51.256	ng	100
38) 1-Methylnaphthalene	8.934	142	220139	47.976	ng	98
40) 1,2,4,5-Tetrachloroben...	8.998	216	103350	48.450	ng	99
41) Hexachlorocyclopentadiene	8.981	237	56248	97.914	ng	100
43) 2,4,6-Trichlorophenol	9.116	196	64660	49.716	ng	98

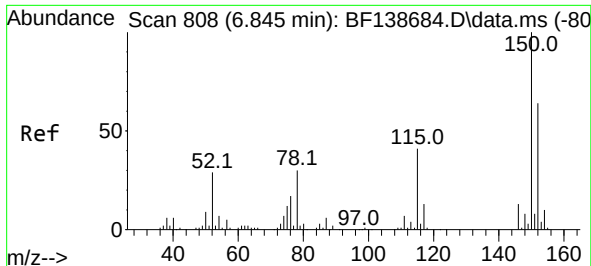
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	68669	48.296	ng	99
46) 1,1'-Biphenyl	9.298	154	293706	48.836	ng	99
47) 2-Chloronaphthalene	9.322	162	228487	51.083	ng	99
48) 2-Nitroaniline	9.428	65	84918	56.002	ng	98
49) Acenaphthylene	9.739	152	363120	57.240	ng	99
50) Dimethylphthalate	9.598	163	285566	58.159	ng	99
51) 2,6-Dinitrotoluene	9.669	165	60045	54.187	ng	91
52) Acenaphthene	9.910	154	218865	51.323	ng	100
53) 3-Nitroaniline	9.839	138	48077	41.969	ng	98
54) 2,4-Dinitrophenol	9.957	184	46662	91.477	ng	85
55) Dibenzofuran	10.081	168	327771	54.450	ng	98
56) 4-Nitrophenol	10.022	139	12177	17.677	ng	84
57) 2,4-Dinitrotoluene	10.075	165	77961	55.144	ng	# 83
58) Fluorene	10.428	166	261733	54.599	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.204	232	54013	49.689	ng	95
60) Diethylphthalate	10.292	149	266118	57.161	ng	99
61) 4-Chlorophenyl-phenyle...	10.416	204	129483	54.921	ng	97
62) 4-Nitroaniline	10.457	138	51893	47.669	ng	87
63) Azobenzene	10.575	77	277975	53.835	ng	97
65) 4,6-Dinitro-2-methylph...	10.486	198	39492	56.950	ng	95
66) n-Nitrosodiphenylamine	10.534	169	221330	62.296	ng	99
67) 4-Bromophenyl-phenylether	10.904	248	73023	59.338	ng	97
68) Hexachlorobenzene	10.969	284	76202	59.972	ng	99
69) Atrazine	11.063	200	56996	62.178	ng	99
70) Pentachlorophenol	11.175	266	55358	96.657	ng	99
71) Phenanthrene	11.386	178	352010	60.144	ng	100
72) Anthracene	11.439	178	353263	61.269	ng	99
73) Carbazole	11.598	167	282421	56.774	ng	99
74) Di-n-butylphthalate	11.916	149	344363	61.581	ng	99
75) Fluoranthene	12.575	202	298063	54.551	ng	98
77) Benzidine	12.698	184	36554	23.257	ng	98
78) Pyrene	12.804	202	297795	48.132	ng	99
80) Butylbenzylphthalate	13.410	149	116002	58.550	ng	99
81) Benzo(a)anthracene	13.992	228	261757	57.846	ng	99
82) 3,3'-Dichlorobenzidine	13.951	252	75683	65.358	ng	99
83) Chrysene	14.027	228	235260	57.627	ng	99
84) Bis(2-ethylhexyl)phtha...	13.963	149	169753	58.511	ng	97
85) Di-n-octyl phthalate	14.574	149	300217	55.930	ng	100
87) Indeno(1,2,3-cd)pyrene	16.945	276	303838	54.218	ng	97
88) Benzo(b)fluoranthene	15.039	252	265194	54.707	ng	99
89) Benzo(k)fluoranthene	15.069	252	260439	62.052	ng	99
90) Benzo(a)pyrene	15.404	252	251607	61.706	ng	98
91) Dibenzo(a,h)anthracene	16.951	278	246371	53.557	ng	98
92) Benzo(g,h,i)perylene	17.386	276	221389	46.378	ng	97

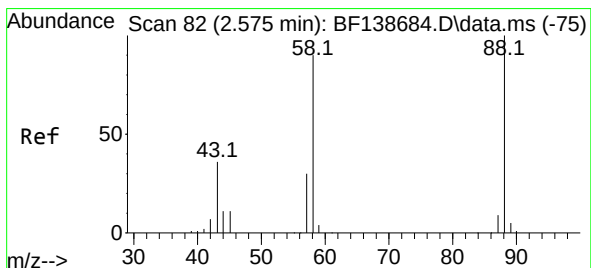
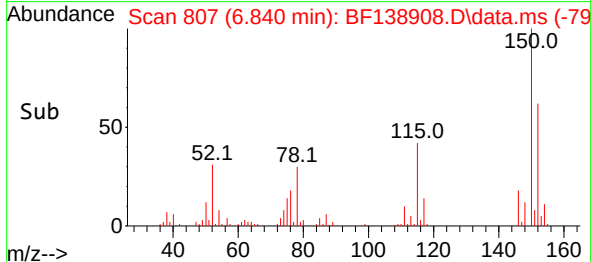
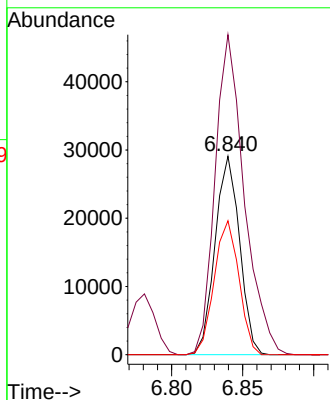
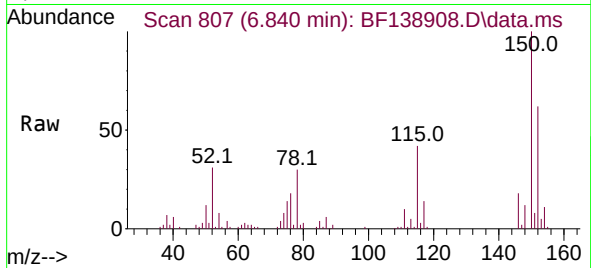
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.840 min Scan# 80
 Delta R.T. -0.005 min
 Lab File: BF138908.D
 Acq: 10 Aug 2024 14:17

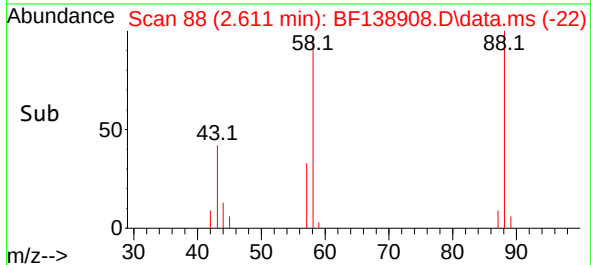
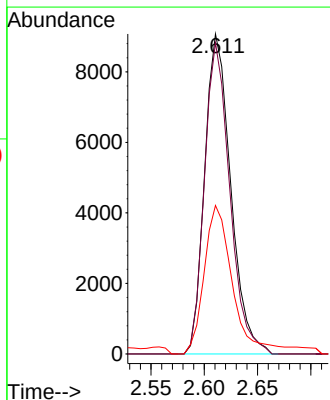
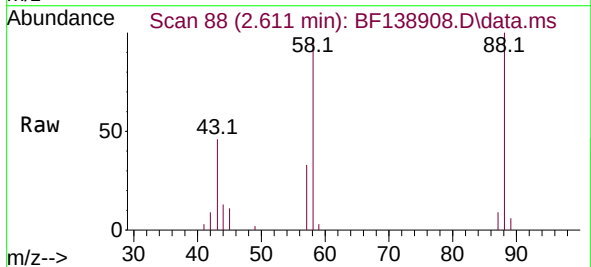
Instrument :
 BNA_F
 ClientSampleId :
 TOPSOILMSD

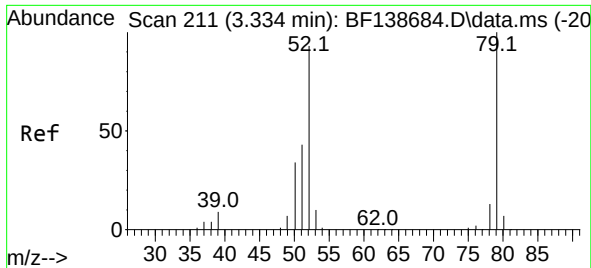
Tgt Ion:152 Resp: 34903
 Ion Ratio Lower Upper
 152 100
 150 161.3 126.0 189.0
 115 67.5 51.7 77.5



#2
 1,4-Dioxane
 Concen: 15.597 ng
 RT: 2.611 min Scan# 88
 Delta R.T. 0.035 min
 Lab File: BF138908.D
 Acq: 10 Aug 2024 14:17

Tgt Ion: 88 Resp: 15440
 Ion Ratio Lower Upper
 88 100
 58 94.6 71.6 107.4
 43 52.5 28.7 43.1#





#3

Pyridine

Concen: 14.857 ng

RT: 3.381 min Scan# 211

Delta R.T. 0.047 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

Instrument :

BNA_F

ClientSampleId :

TOPSOILMSD

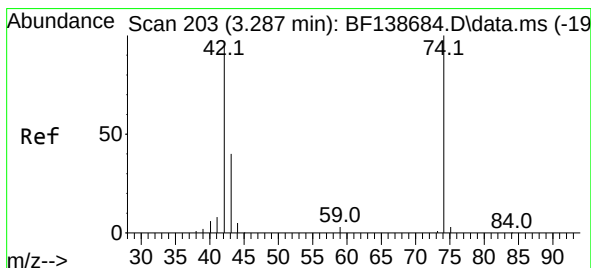
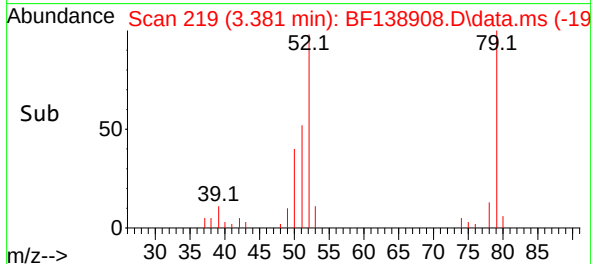
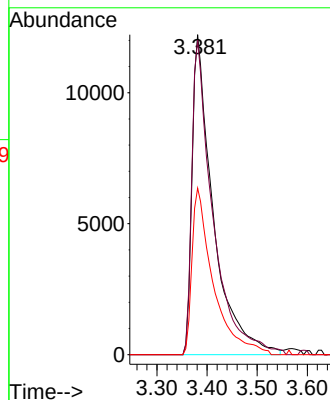
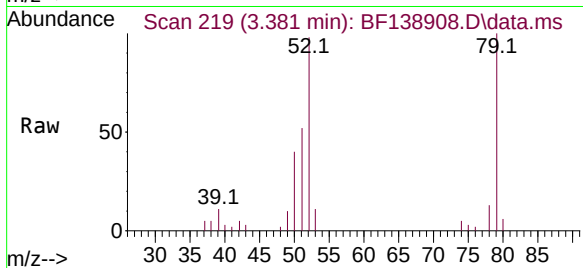
Tgt Ion: 79 Resp: 35626

Ion Ratio Lower Upper

79 100

52 98.3 74.7 112.1

51 52.1 34.6 51.8#



#4

n-Nitrosodimethylamine

Concen: 23.611 ng

RT: 3.322 min Scan# 209

Delta R.T. 0.035 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

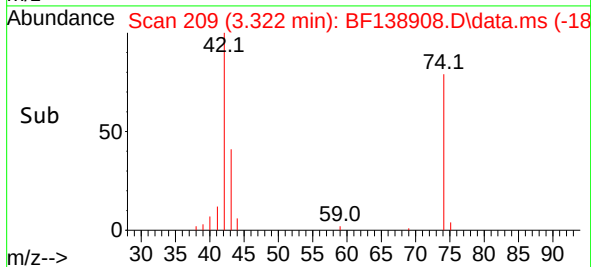
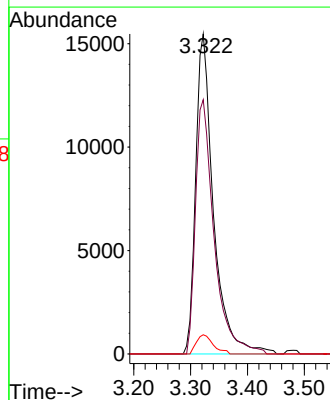
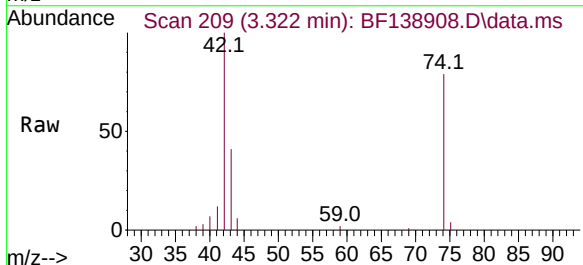
Tgt Ion: 42 Resp: 33721

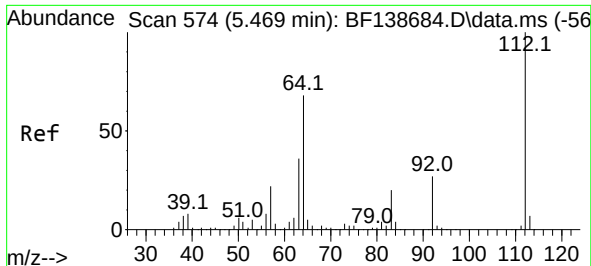
Ion Ratio Lower Upper

42 100

74 79.4 84.2 126.4#

44 6.0 4.9 7.3

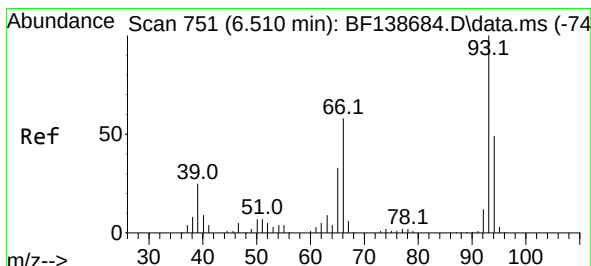
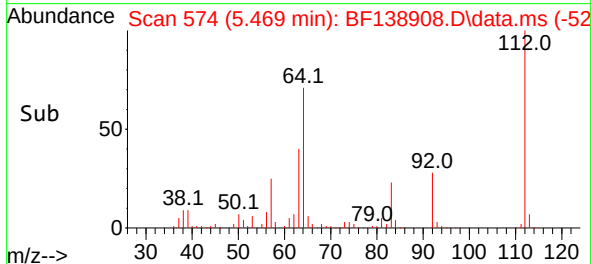
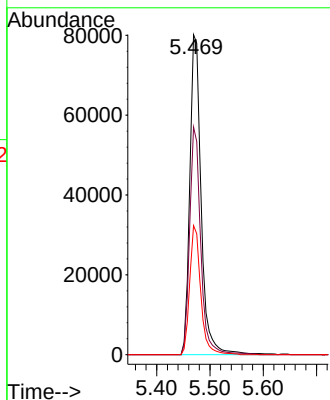
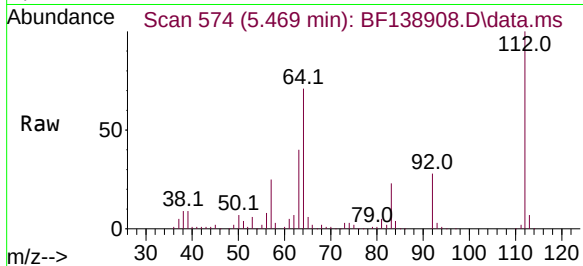




#5
2-Fluorophenol
Concen: 52.678 ng
RT: 5.469 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

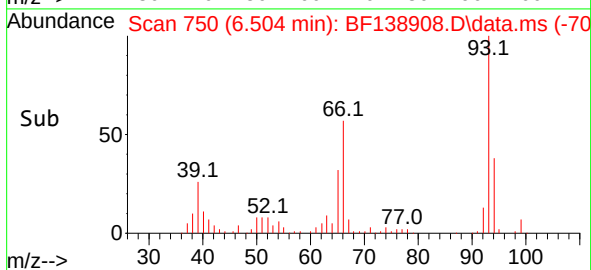
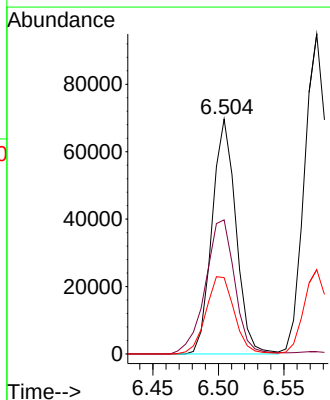
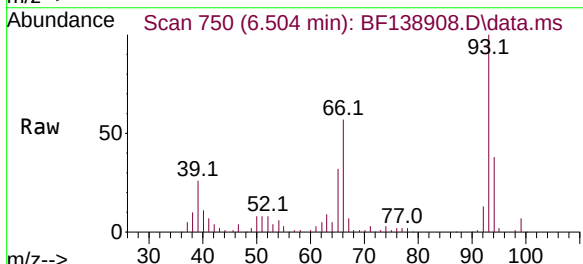
Instrument :
BNA_F
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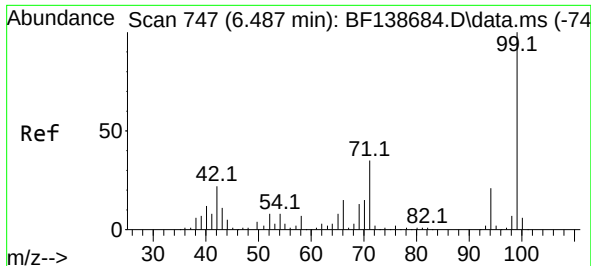
Tgt Ion:112 Resp: 119108
Ion Ratio Lower Upper
112 100
64 71.2 54.2 81.4
63 40.4 28.7 43.1



#6
Aniline
Concen: 32.535 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion: 93 Resp: 88081
Ion Ratio Lower Upper
93 100
66 57.1 46.9 70.3
65 32.5 26.5 39.7





#7

Phenol-d6

Concen: 31.034 ng

RT: 6.481 min Scan# 747

Delta R.T. -0.006 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

Instrument :

BNA_F

ClientSampleId :

TOPSOILMSD

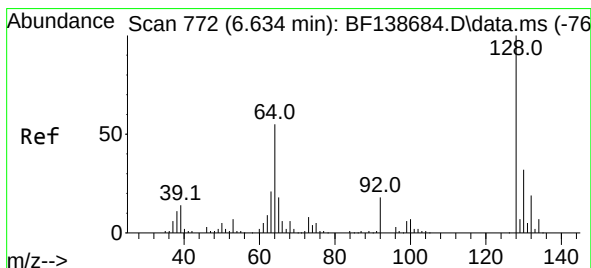
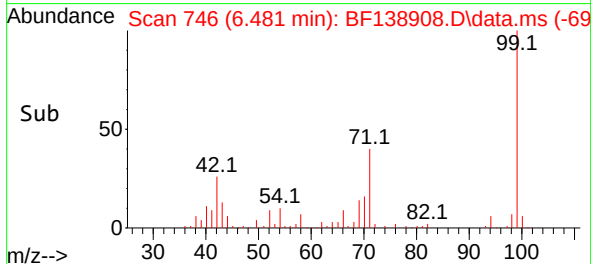
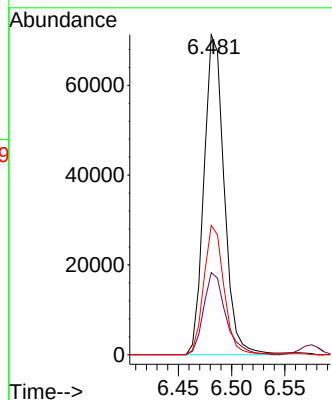
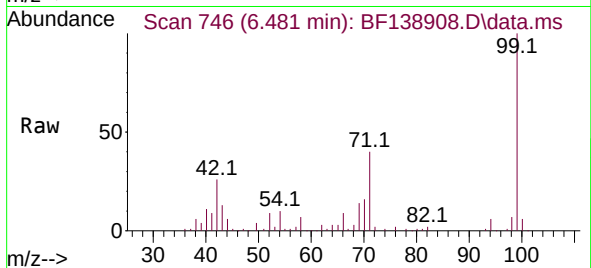
Tgt Ion: 99 Resp: 94209

Ion Ratio Lower Upper

99 100

42 25.7 17.4 26.0

71 40.4 28.1 42.1



#8

2-Chlorophenol

Concen: 41.269 ng

RT: 6.634 min Scan# 772

Delta R.T. 0.000 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

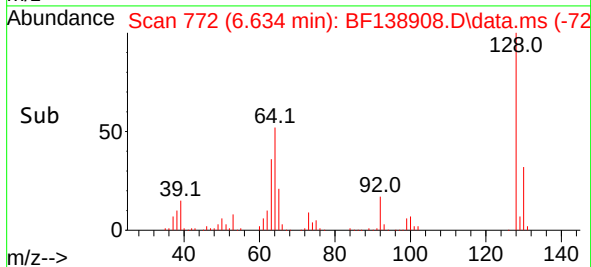
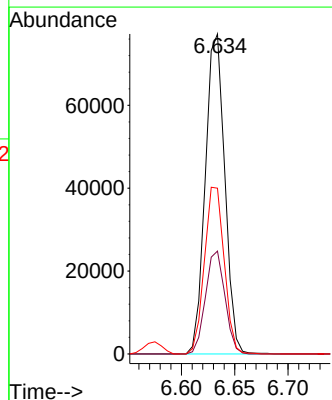
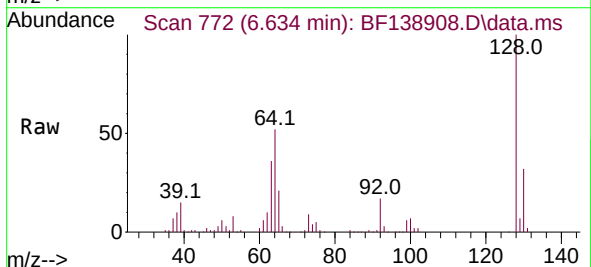
Tgt Ion:128 Resp: 98175

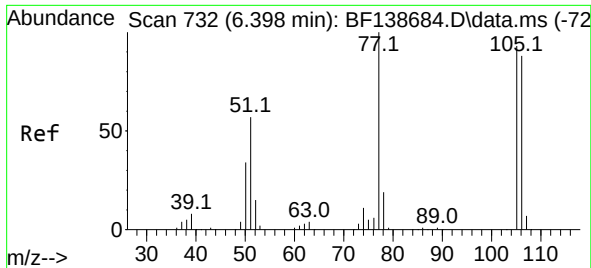
Ion Ratio Lower Upper

128 100

130 32.1 12.0 52.0

64 51.8 36.3 76.3





#9

Benzaldehyde

Concen: 3.619 ng

RT: 6.399 min Scan# 71

Delta R.T. 0.001 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

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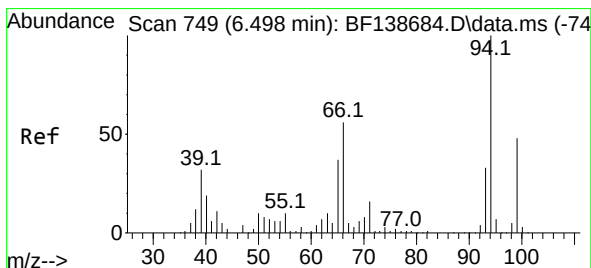
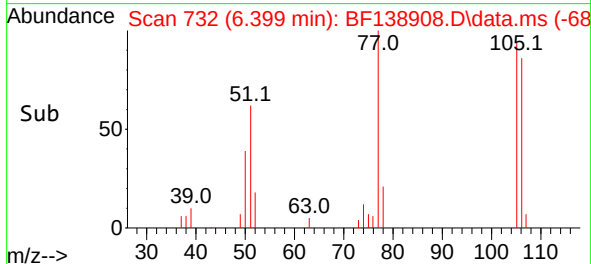
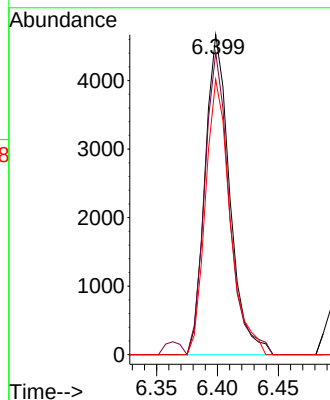
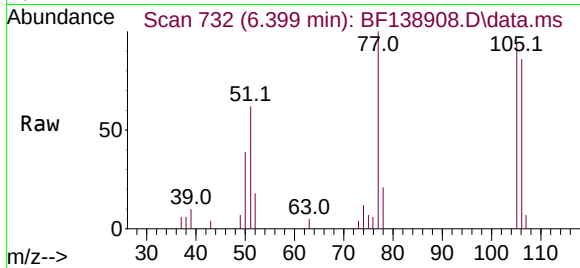
Tgt Ion: 77 Resp: 6585

Ion Ratio Lower Upper

77 100

105 94.4 72.9 112.9

106 85.9 68.4 108.4



#10

Phenol

Concen: 14.841 ng

RT: 6.498 min Scan# 749

Delta R.T. 0.000 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

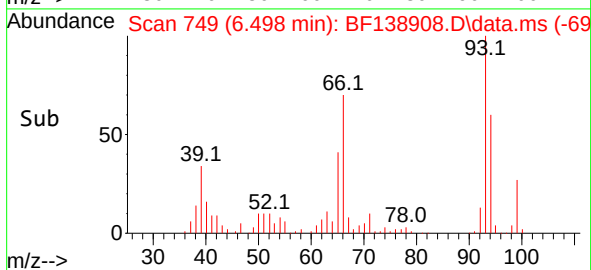
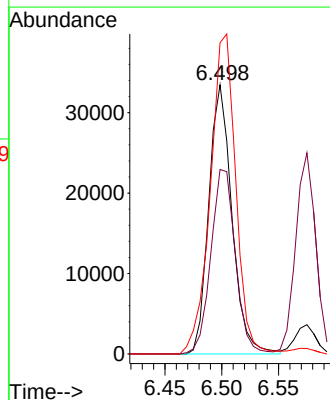
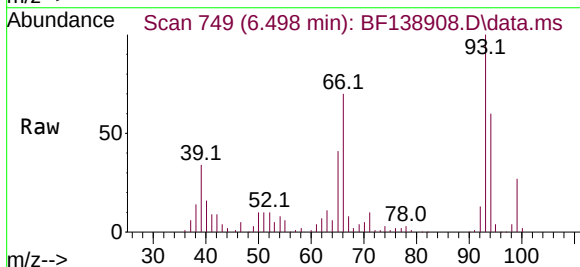
Tgt Ion: 94 Resp: 47437

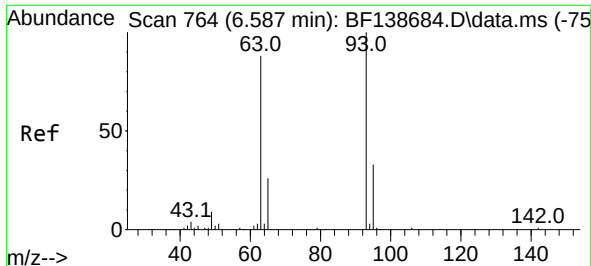
Ion Ratio Lower Upper

94 100

65 68.6 16.9 56.9#

66 115.7 36.5 76.5#

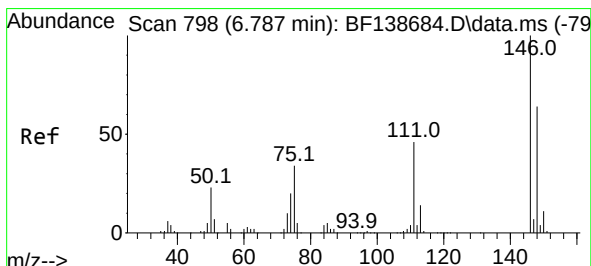
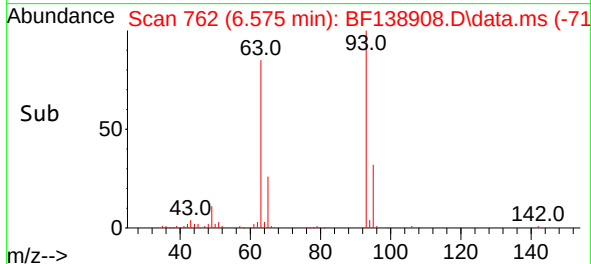
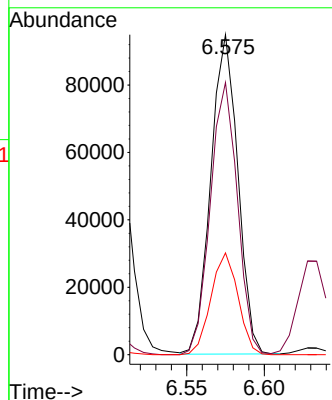
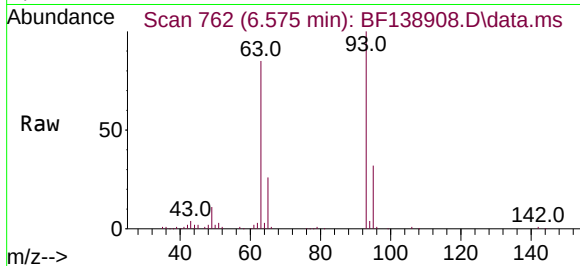




#11
bis(2-Chloroethyl)ether
Concen: 46.735 ng
RT: 6.575 min Scan# 701
Delta R.T. -0.012 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

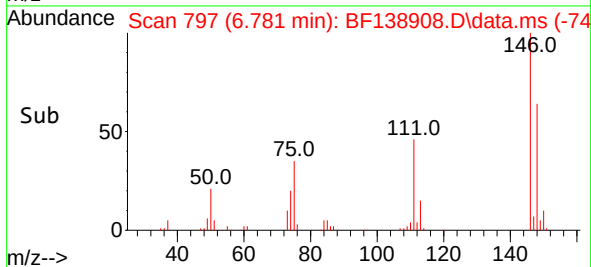
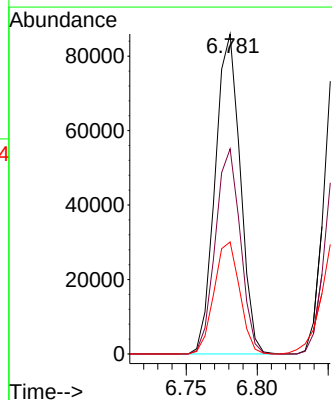
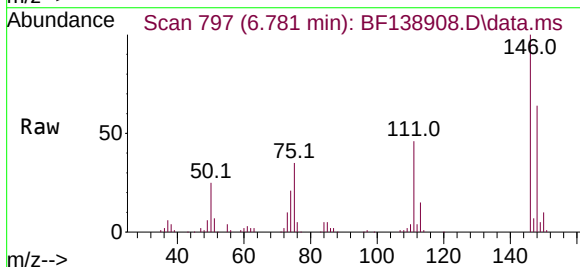
Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

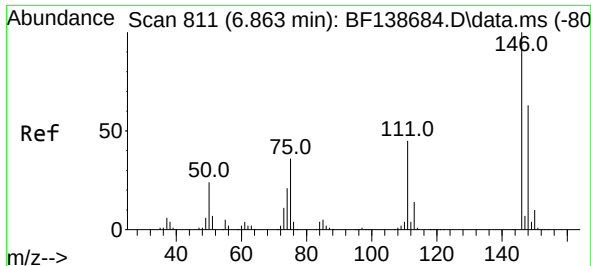
Tgt Ion: 93 Resp: 114951
Ion Ratio Lower Upper
93 100
63 85.0 65.3 105.3
95 31.8 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 39.586 ng
RT: 6.781 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion: 146 Resp: 105413
Ion Ratio Lower Upper
146 100
148 64.1 51.2 76.8
75 35.0 27.4 41.2

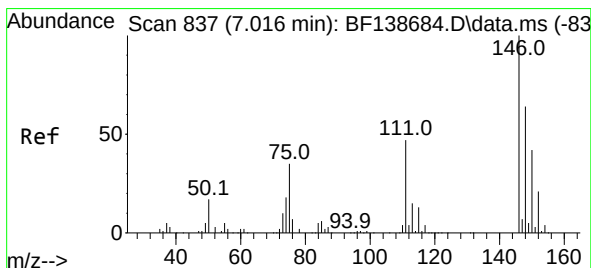
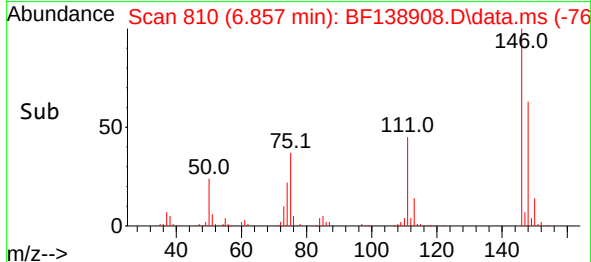
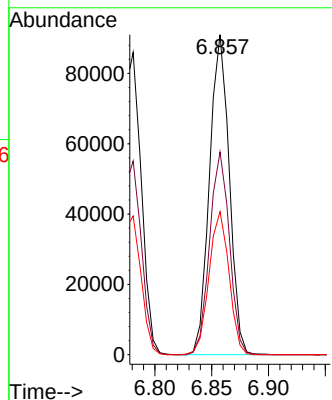
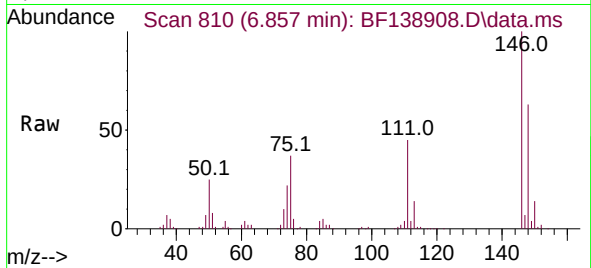




#13
1,4-Dichlorobenzene
Concen: 40.923 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

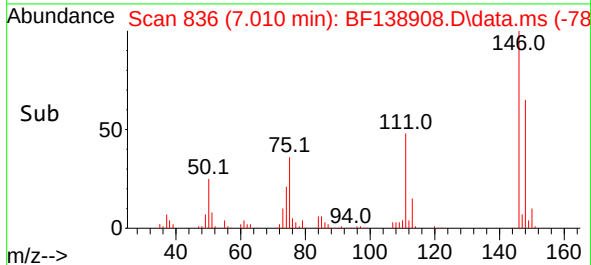
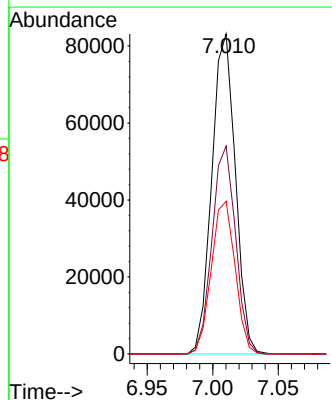
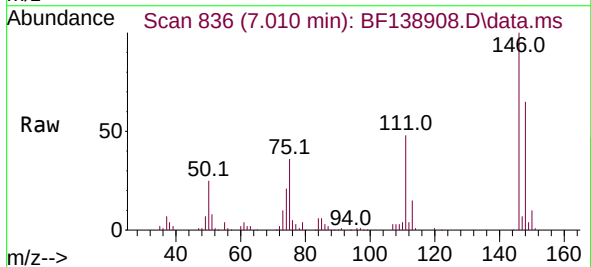
Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

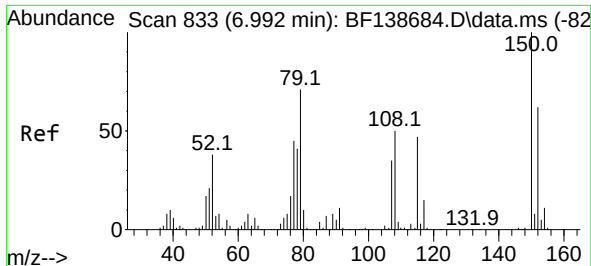
Tgt Ion:146 Resp: 109975
Ion Ratio Lower Upper
146 100
148 63.4 50.2 75.2
111 44.7 35.9 53.9



#14
1,2-Dichlorobenzene
Concen: 41.398 ng
RT: 7.010 min Scan# 836
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion:146 Resp: 103972
Ion Ratio Lower Upper
146 100
148 65.0 50.8 76.2
111 47.7 37.4 56.2

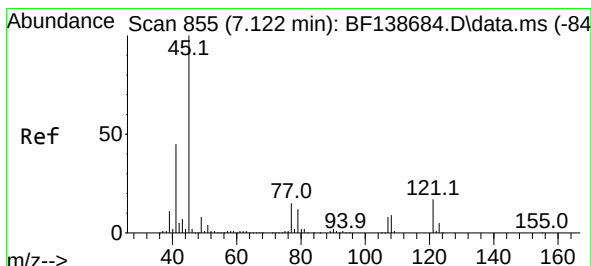
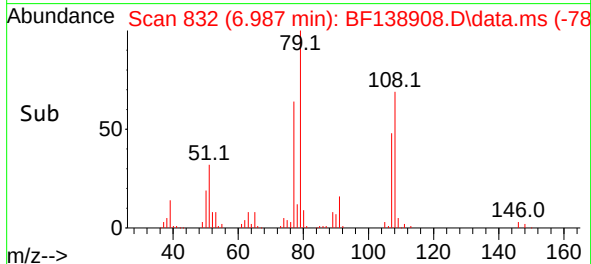
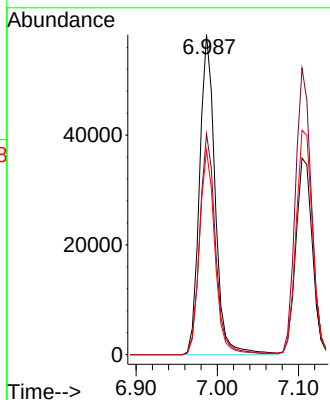
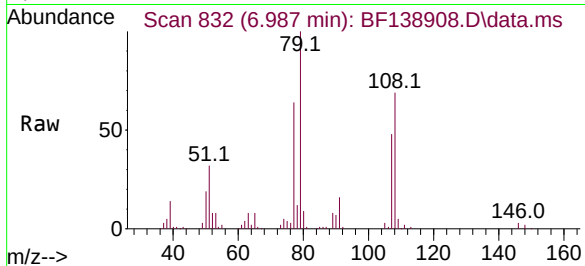




#15
Benzyl Alcohol
Concen: 35.557 ng
RT: 6.987 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

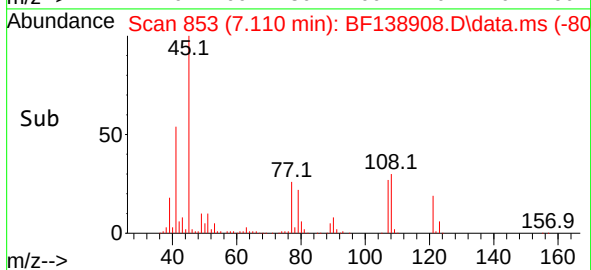
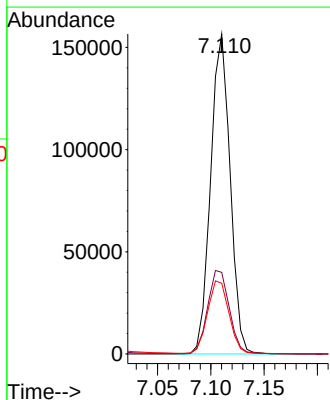
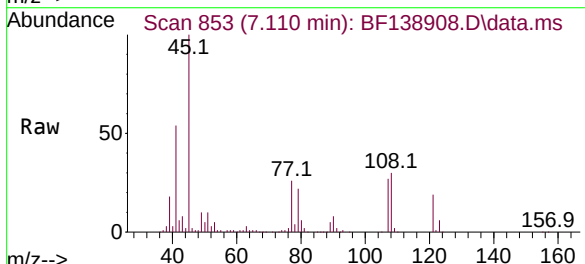
Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

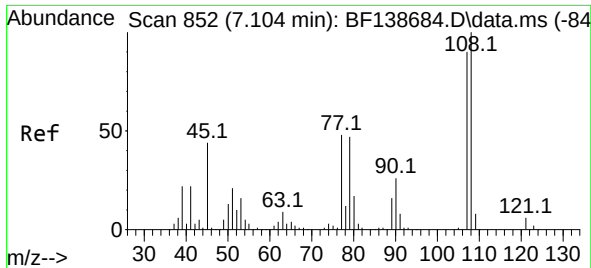
Tgt Ion: 79 Resp: 77799
Ion Ratio Lower Upper
79 100
108 69.1 56.6 85.0
77 63.9 50.3 75.5



#16
2,2'-oxybis(1-chloropropane)
Concen: 47.077 ng
RT: 7.110 min Scan# 853
Delta R.T. -0.012 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion: 45 Resp: 199271
Ion Ratio Lower Upper
45 100
77 25.5 0.0 34.9
79 22.1 0.0 32.2

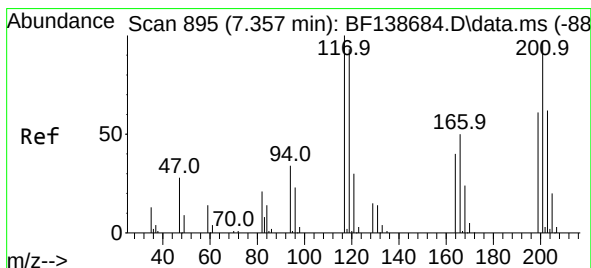
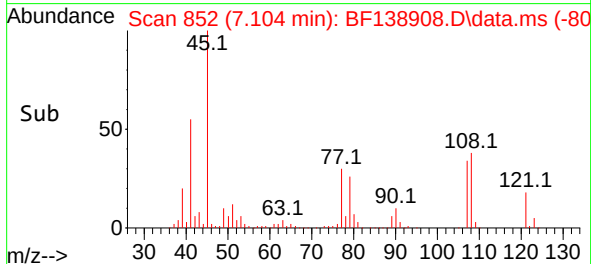
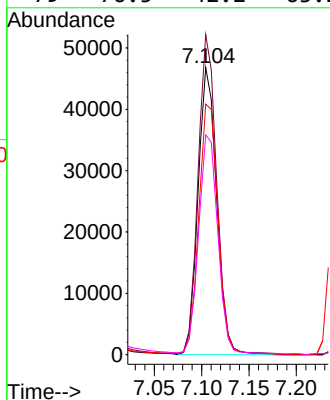
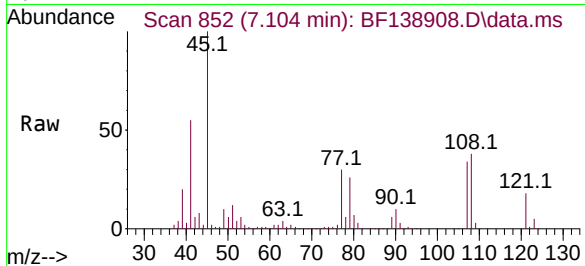




#17
2-Methylphenol
Concen: 32.740 ng
RT: 7.104 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

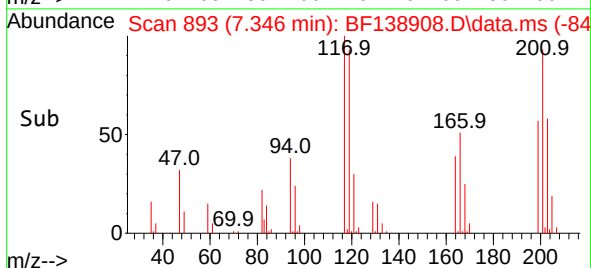
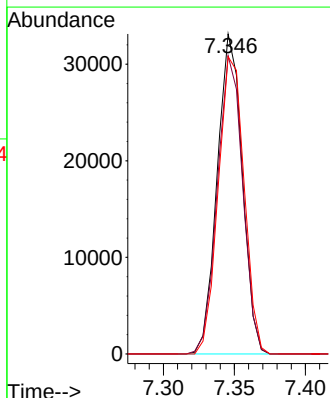
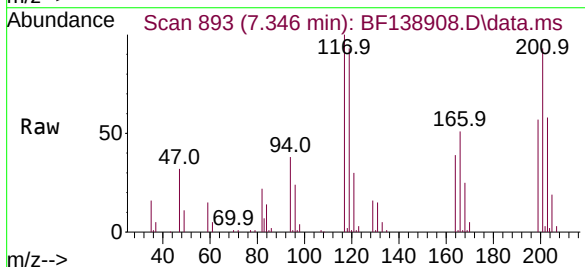
Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

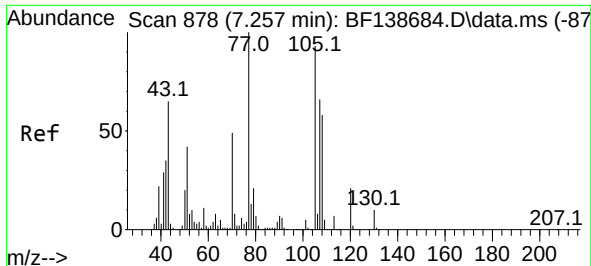
Tgt Ion:107 Resp: 64313
Ion Ratio Lower Upper
107 100
108 111.5 89.2 133.8
77 87.3 43.0 64.4#
79 76.5 42.2 63.2#



#18
Hexachloroethane
Concen: 40.102 ng
RT: 7.346 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion:117 Resp: 40566
Ion Ratio Lower Upper
117 100
119 93.2 74.6 111.8
201 92.9 77.2 115.8



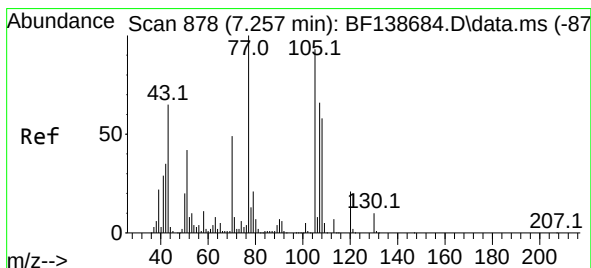
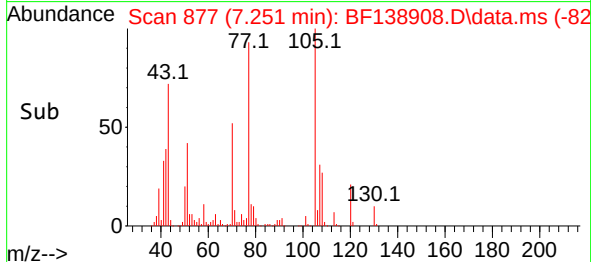
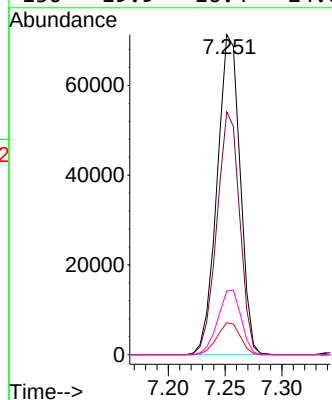
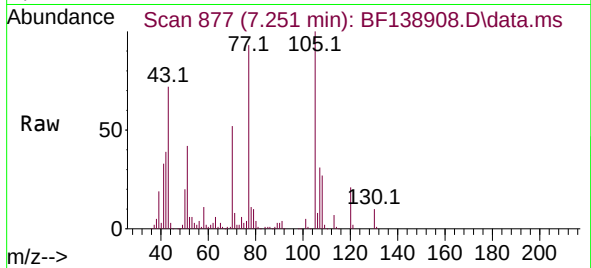


#19
n-Nitroso-di-n-propylamine
Concen: 54.772 ng
RT: 7.251 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

Tgt Ion: 70 Resp: 100425

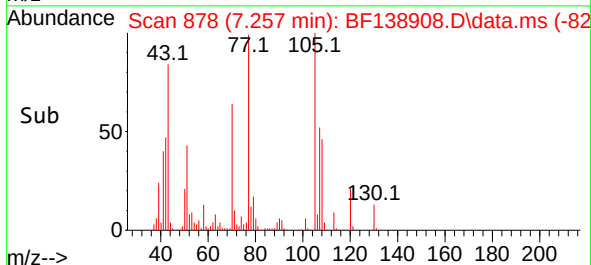
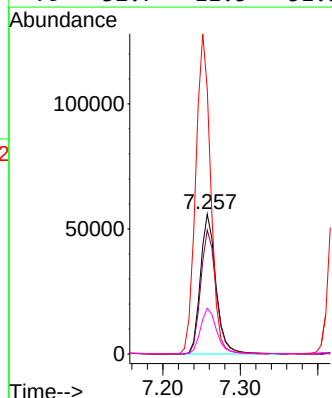
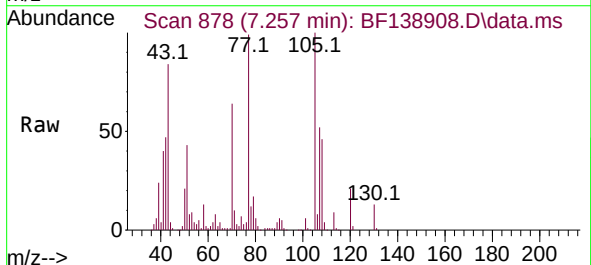
Ion	Ratio	Lower	Upper
70	100		
42	75.9	57.4	86.0
101	10.0	7.5	11.3
130	19.9	16.4	24.6

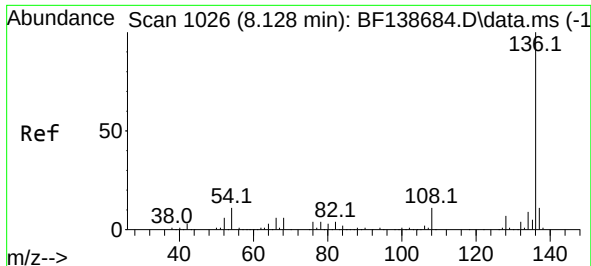


#20
3+4-Methylphenols
Concen: 30.990 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion: 107 Resp: 78106

Ion	Ratio	Lower	Upper
107	100		
108	88.7	68.2	108.2
77	189.5	132.1	172.1#
79	32.7	11.5	51.5

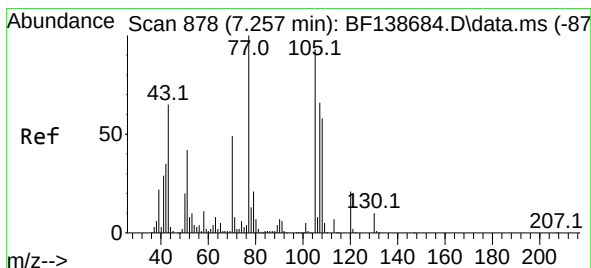
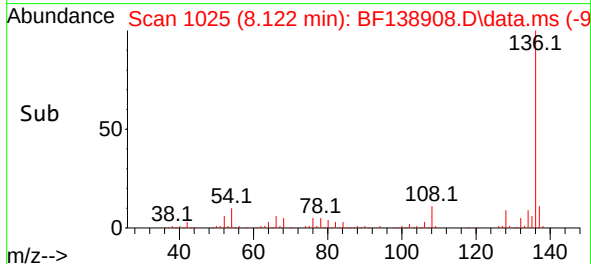
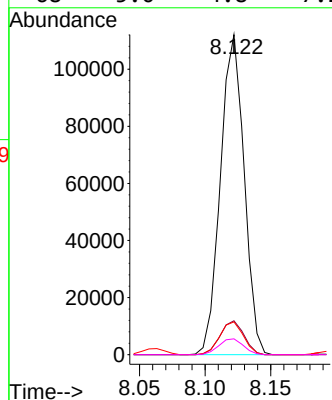
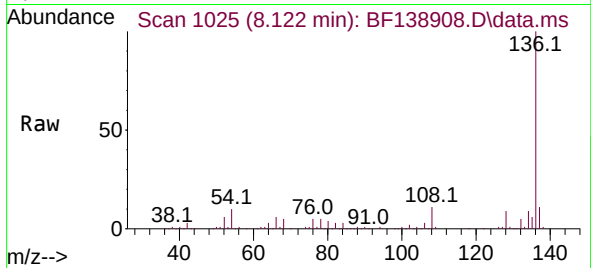




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

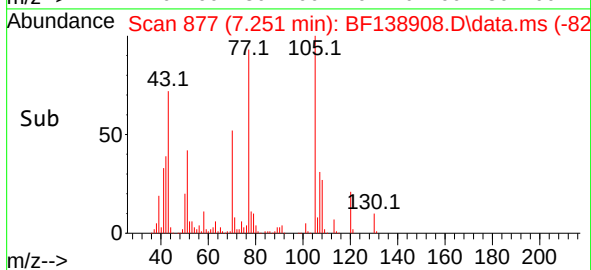
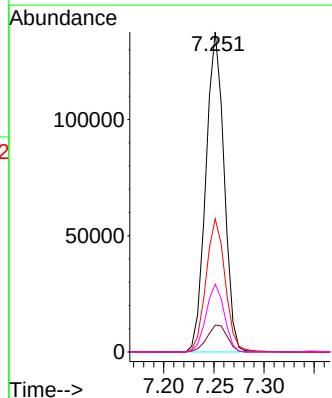
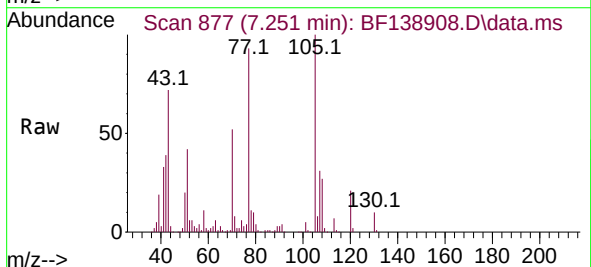
Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

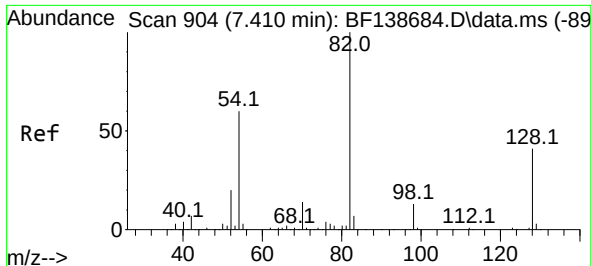
Tgt Ion:136	Resp: 140861
Ion Ratio	Lower Upper
136	100
137	10.6 8.9 13.3
54	10.3 8.6 12.8
68	5.0 4.8 7.2



#22
Acetophenone
Concen: 50.680 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion:105	Resp: 174794
Ion Ratio	Lower Upper
105	100
71	8.4 7.2 10.8
51	41.6 35.9 53.9
120	21.2 17.6 26.4





#23

Nitrobenzene-d5

Concen: 88.990 ng

RT: 7.410 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

Instrument :

BNA_F

ClientSampleId :

TOPSOILMSD

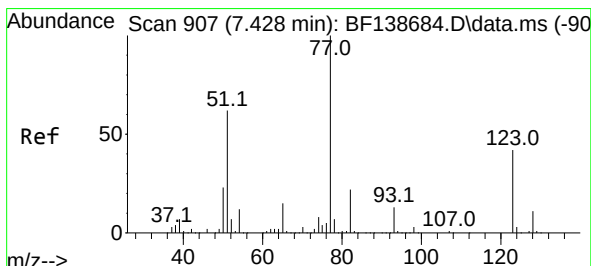
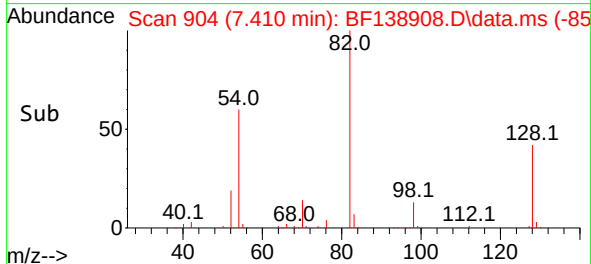
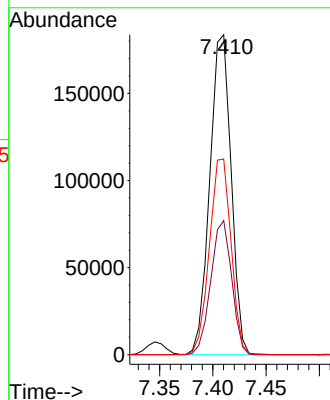
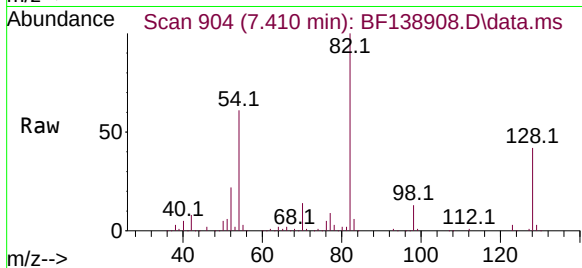
Tgt Ion: 82 Resp: 256389

Ion Ratio Lower Upper

82 100

128 41.9 32.8 49.2

54 61.2 48.3 72.5



#24

Nitrobenzene

Concen: 49.008 ng

RT: 7.428 min Scan# 907

Delta R.T. 0.000 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

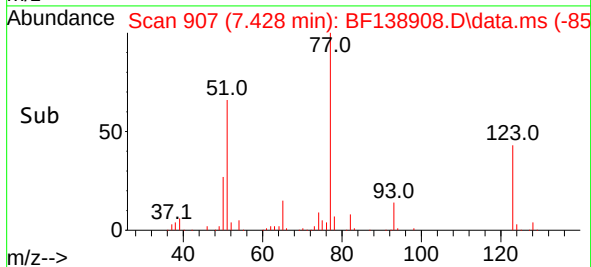
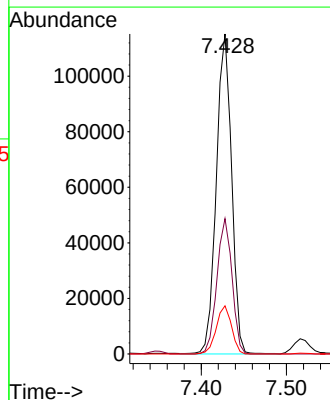
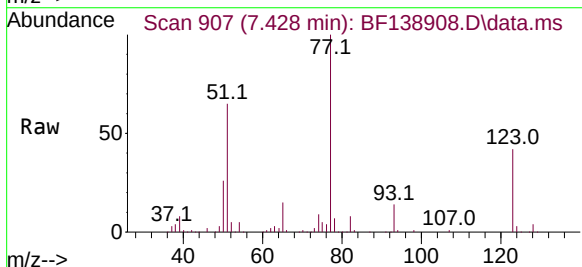
Tgt Ion: 77 Resp: 143678

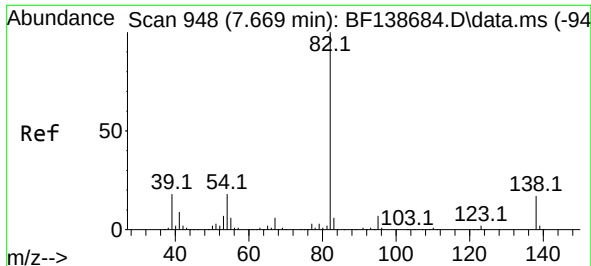
Ion Ratio Lower Upper

77 100

123 42.3 33.3 49.9

65 15.1 11.9 17.9

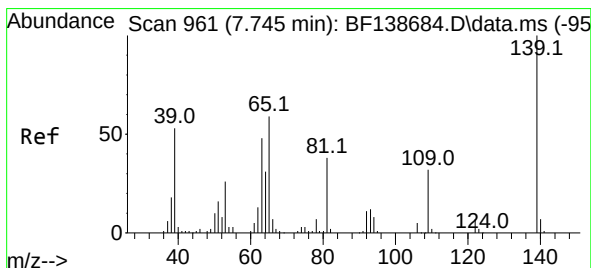
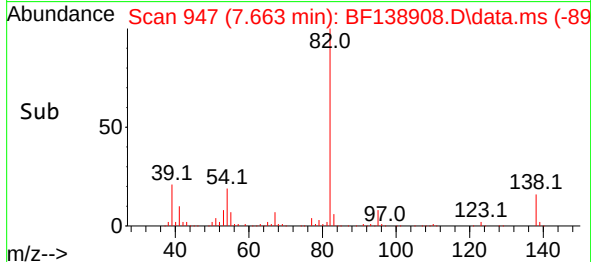
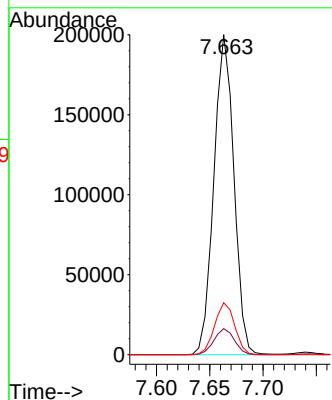
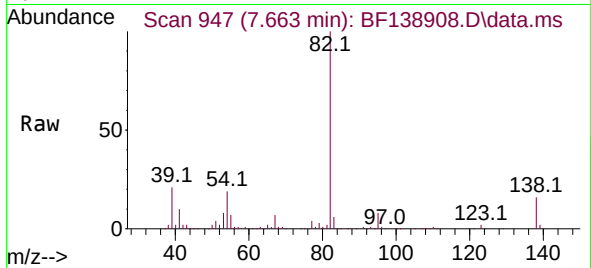




#25
Isophorone
Concen: 53.009 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

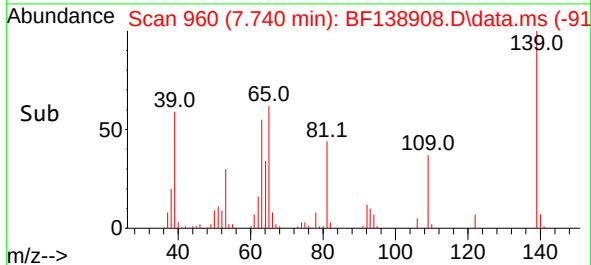
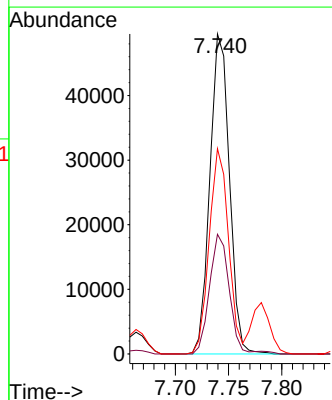
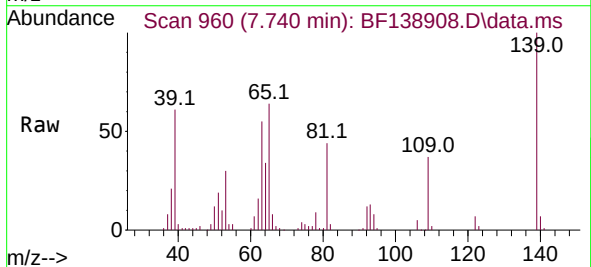
Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

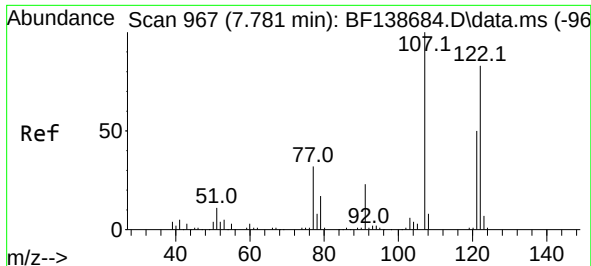
Tgt Ion: 82 Resp: 260785
Ion Ratio Lower Upper
82 100
95 8.2 5.7 8.5
138 16.3 13.7 20.5



#26
2-Nitrophenol
Concen: 49.988 ng
RT: 7.740 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion:139 Resp: 63051
Ion Ratio Lower Upper
139 100
109 37.4 25.9 38.9
65 64.2 47.0 70.6

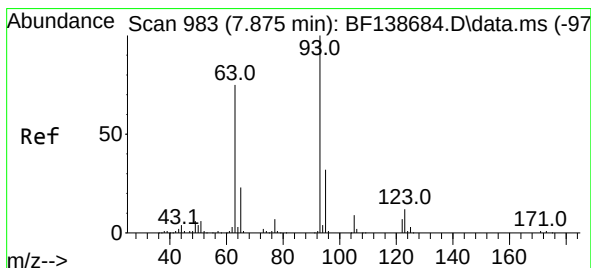
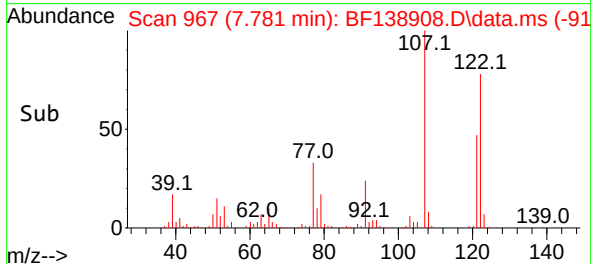
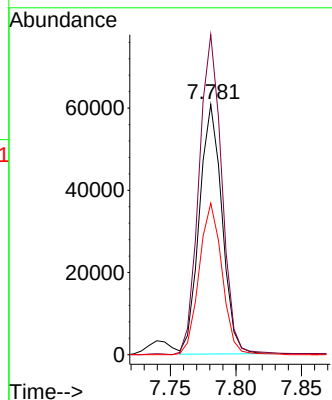
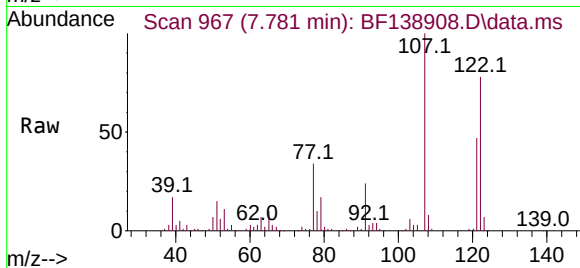




#27
2,4-Dimethylphenol
Concen: 48.475 ng
RT: 7.781 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

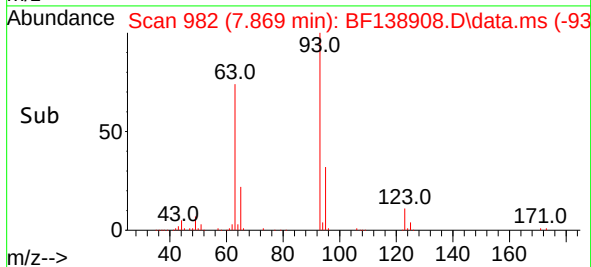
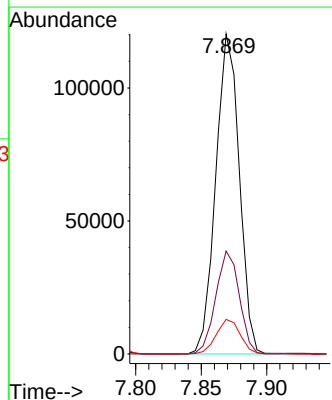
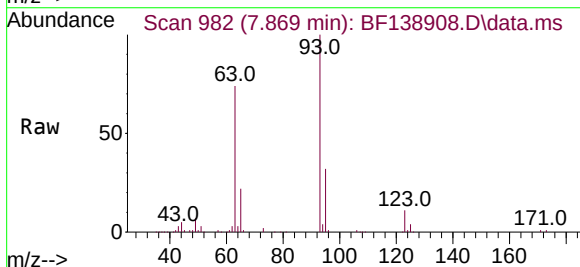
Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

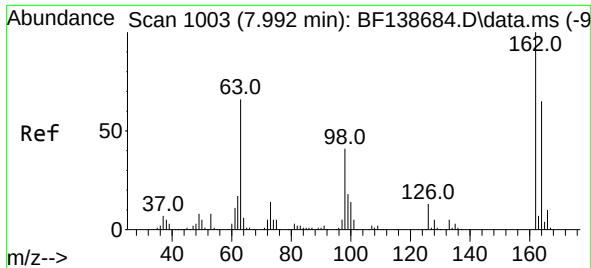
Tgt Ion:	122	Resp:	73155
Ion	Ratio	Lower	Upper
122	100		
107	127.8	95.0	142.6
121	60.5	47.3	70.9



#28
bis(2-Chloroethoxy)methane
Concen: 50.063 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion:	93	Resp:	149983
Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.8	38.8
123	10.8	9.4	14.0





#29

2,4-Dichlorophenol

Concen: 48.063 ng

RT: 7.987 min Scan# 1002

Delta R.T. -0.006 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

Instrument :

BNA_F

ClientSampleId :

TOPSOILMSD

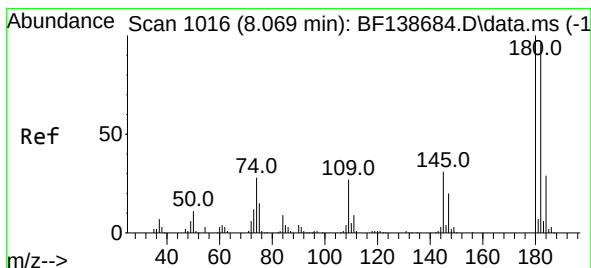
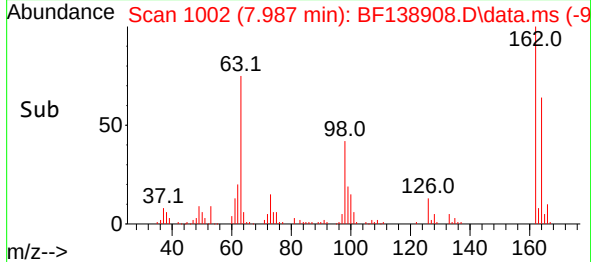
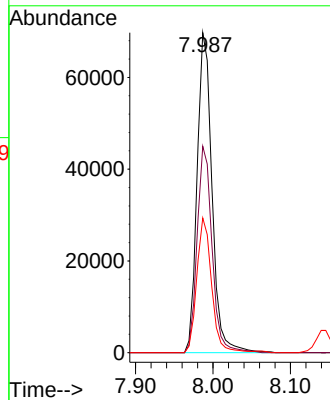
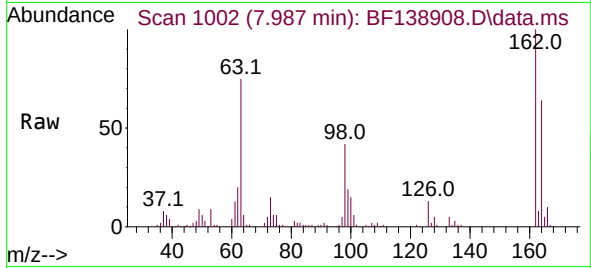
Tgt Ion:162 Resp: 93205

Ion Ratio Lower Upper

162 100

164 64.5 44.7 84.7

98 42.1 20.8 60.8



#30

1,2,4-Trichlorobenzene

Concen: 44.838 ng

RT: 8.063 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

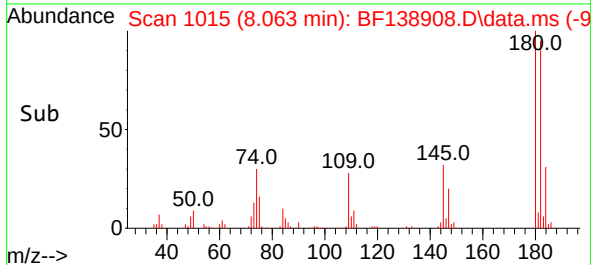
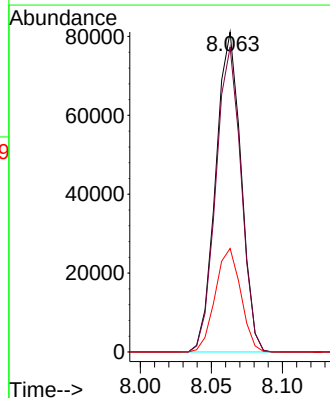
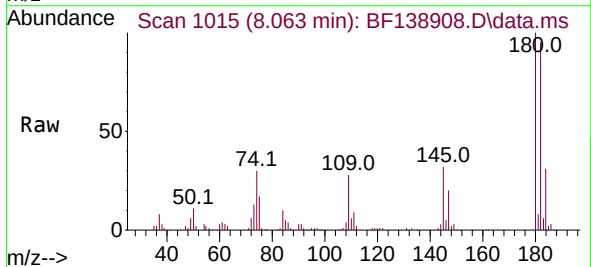
Tgt Ion:180 Resp: 100344

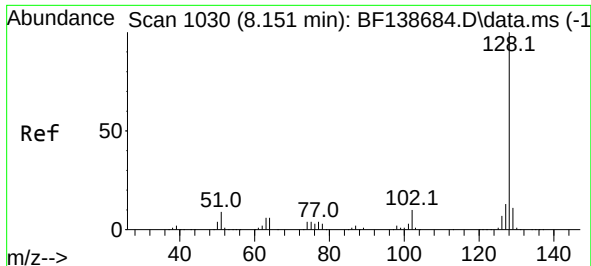
Ion Ratio Lower Upper

180 100

182 95.2 76.9 115.3

145 32.3 25.0 37.4

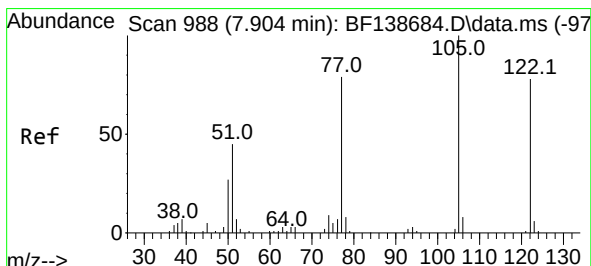
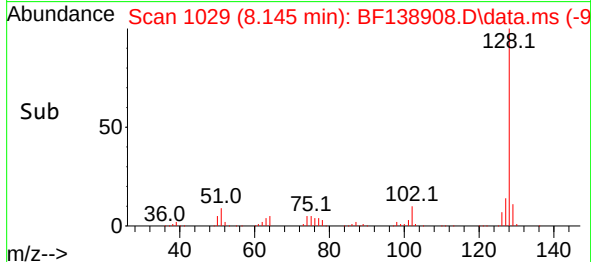
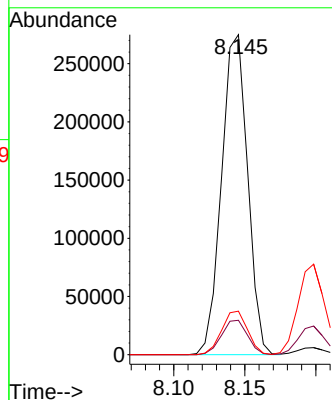
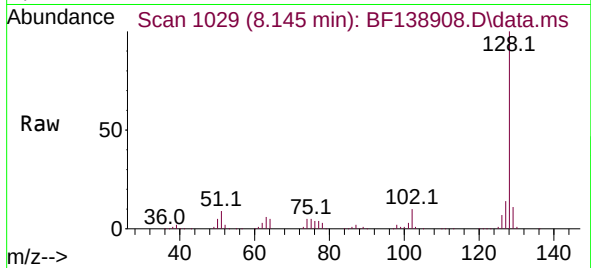




#31
Naphthalene
Concen: 47.322 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

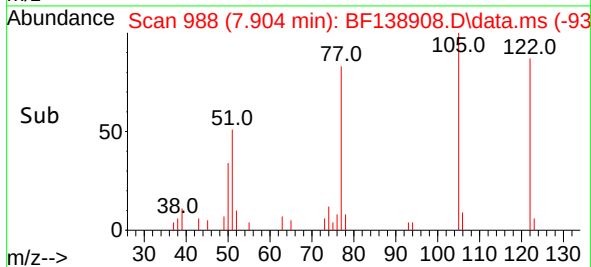
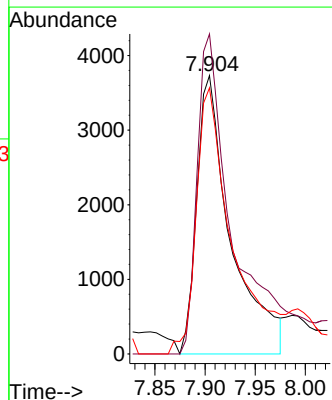
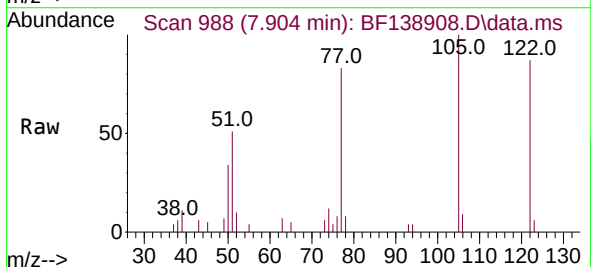
Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

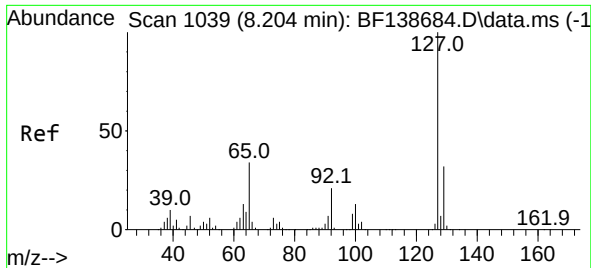
Tgt Ion:128 Resp: 350866
Ion Ratio Lower Upper
128 100
129 10.7 8.7 13.1
127 13.6 10.6 16.0



#32
Benzoic acid
Concen: 7.431 ng
RT: 7.904 min Scan# 988
Delta R.T. 0.000 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion:122 Resp: 8815
Ion Ratio Lower Upper
122 100
105 114.9 106.7 146.7
77 95.6 81.1 121.1

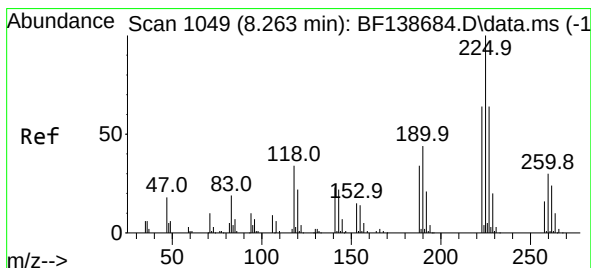
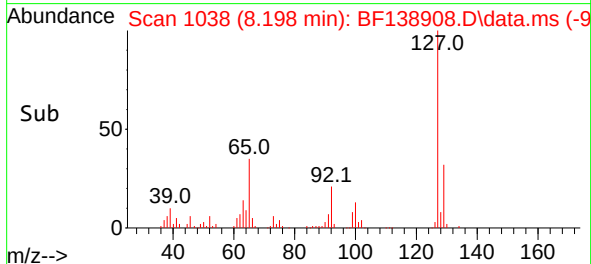
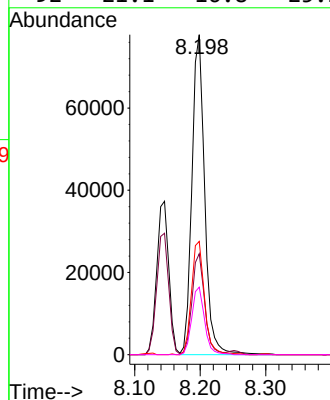
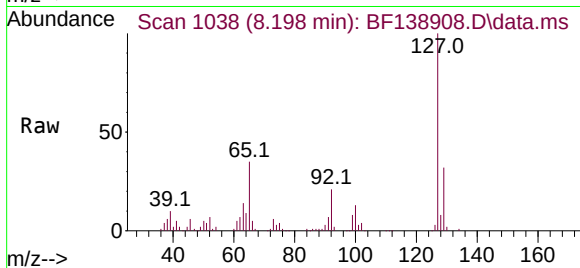




#33
4-Chloroaniline
Concen: 42.452 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

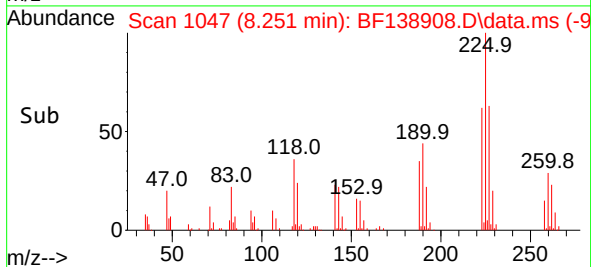
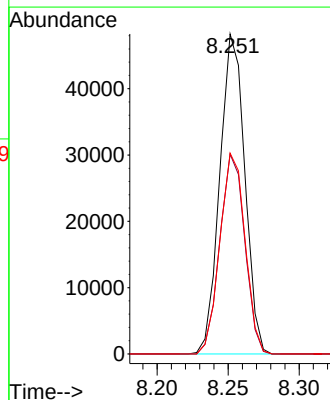
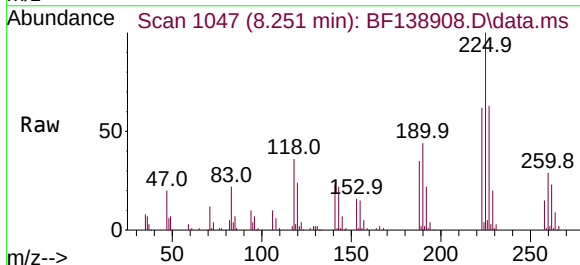
Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

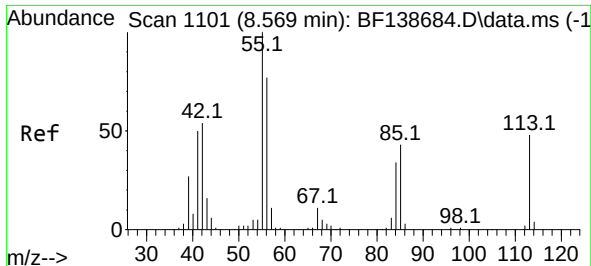
Tgt Ion:127	Resp: 105658
Ion Ratio	Lower Upper
127 100	
129 31.6	25.9 38.9
65 35.4	27.6 41.4
92 21.1	16.8 25.2



#34
Hexachlorobutadiene
Concen: 43.516 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.012 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion:225	Resp: 58986
Ion Ratio	Lower Upper
225 100	
223 62.4	51.2 76.8
227 62.7	51.1 76.7

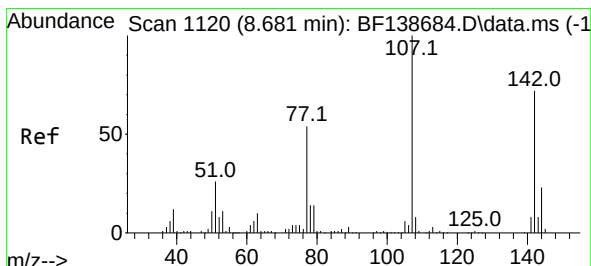
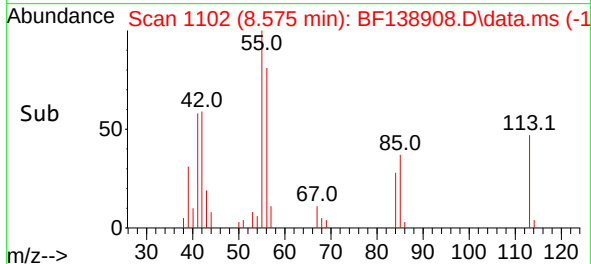
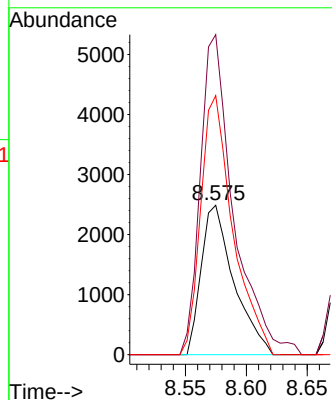
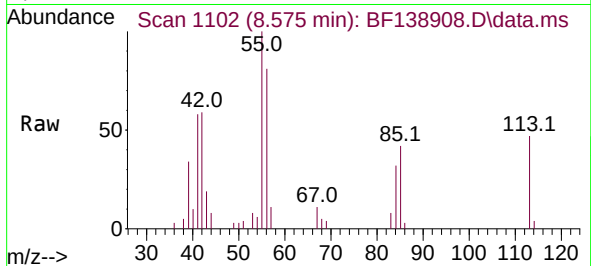




#35
Caprolactam
Concen: 8.028 ng
RT: 8.575 min Scan# 1101
Delta R.T. 0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

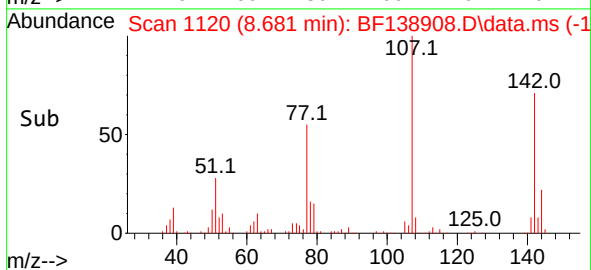
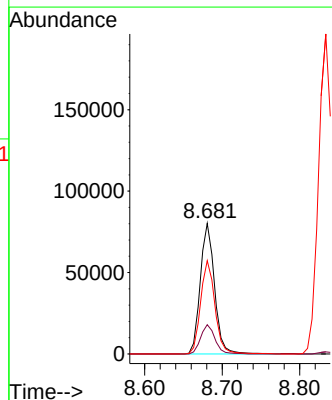
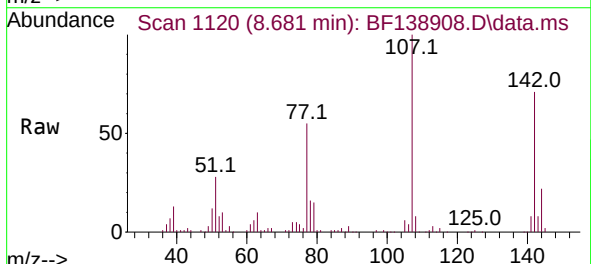
Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

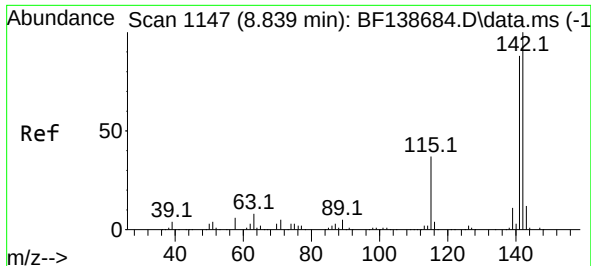
Tgt Ion:113 Resp: 4645
Ion Ratio Lower Upper
113 100
55 214.1 186.7 226.7
56 173.4 138.9 178.9



#36
4-Chloro-3-methylphenol
Concen: 46.321 ng
RT: 8.681 min Scan# 1120
Delta R.T. 0.000 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion:107 Resp: 102658
Ion Ratio Lower Upper
107 100
144 22.4 18.2 27.2
142 71.4 57.4 86.2





#37

2-Methylnaphthalene

Concen: 51.256 ng

RT: 8.834 min Scan# 1146

Delta R.T. -0.006 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

Instrument :

BNA_F

ClientSampleId :

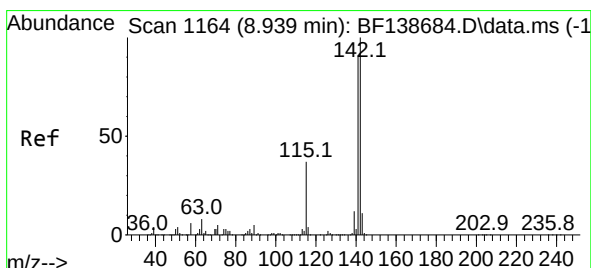
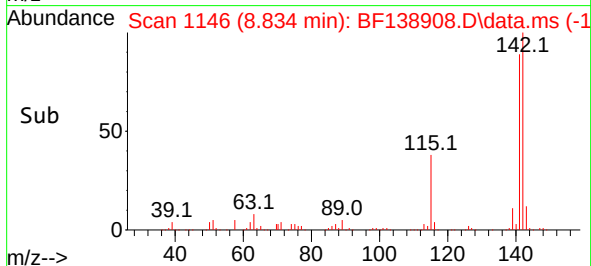
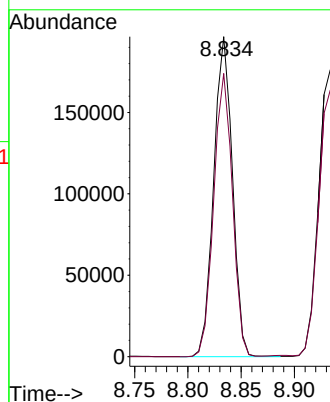
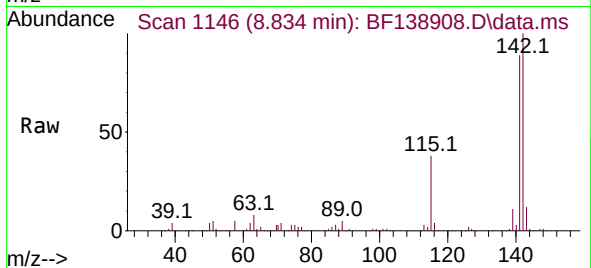
TOPSOILMSD

Tgt Ion:142 Resp: 240011

Ion Ratio Lower Upper

142 100

141 88.5 70.8 106.2



#38

1-Methylnaphthalene

Concen: 47.976 ng

RT: 8.934 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF138908.D

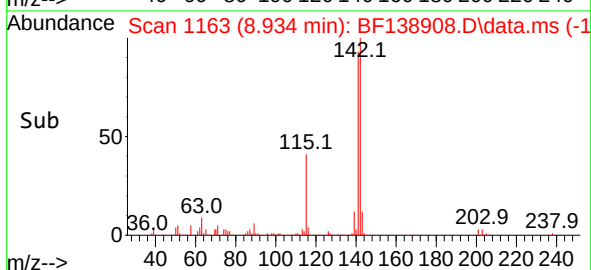
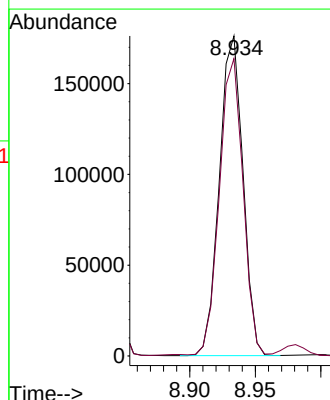
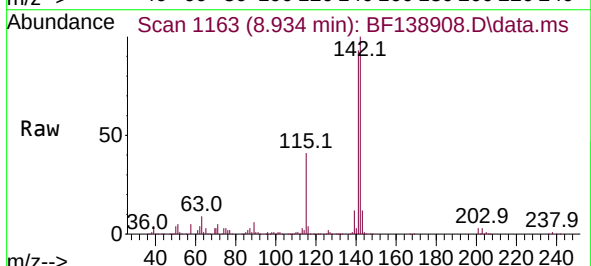
Acq: 10 Aug 2024 14:17

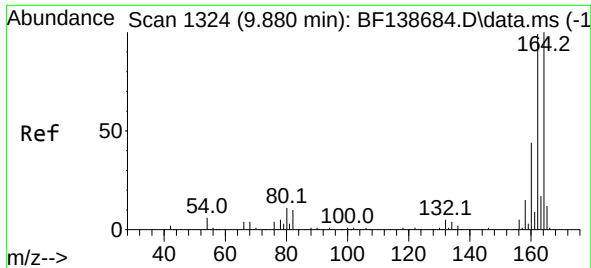
Tgt Ion:142 Resp: 220139

Ion Ratio Lower Upper

142 100

141 93.0 73.1 109.7

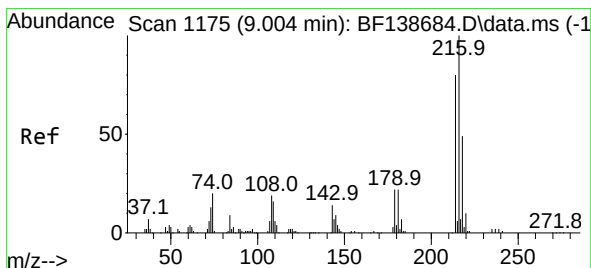
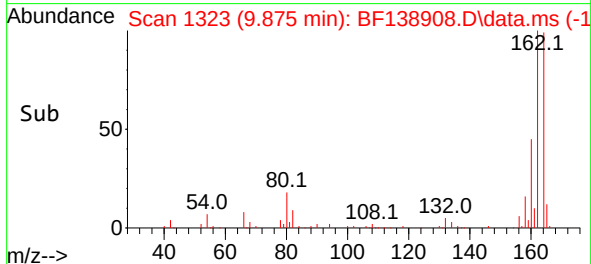
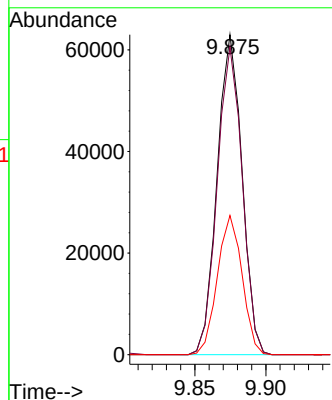
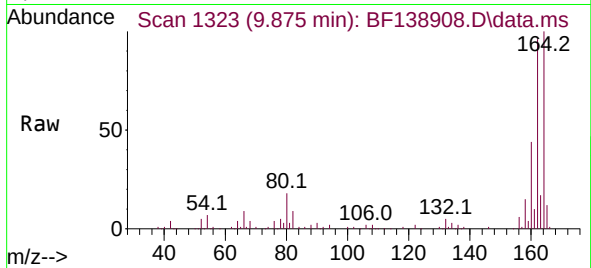




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1174
Delta R.T. -0.005 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

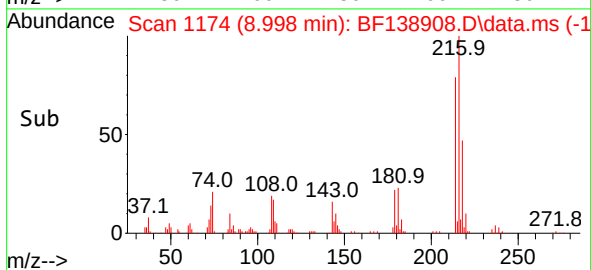
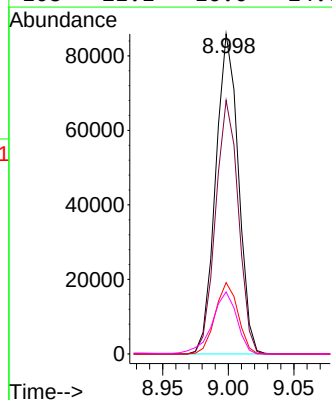
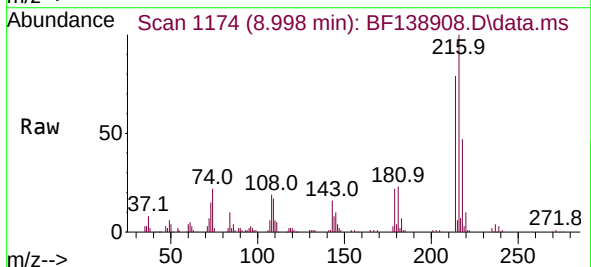
Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

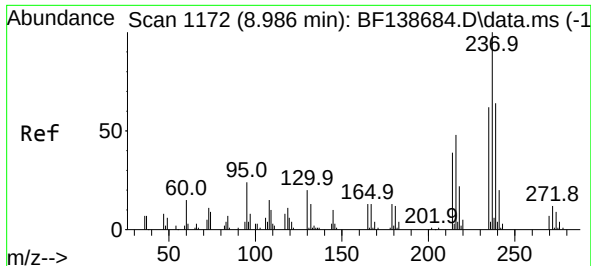
Tgt Ion:164 Resp: 76790
Ion Ratio Lower Upper
164 100
162 96.1 79.4 119.0
160 43.5 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.450 ng
RT: 8.998 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion:216 Resp: 103350
Ion Ratio Lower Upper
216 100
214 79.3 63.9 95.9
179 22.3 17.8 26.6
108 21.1 16.0 24.0

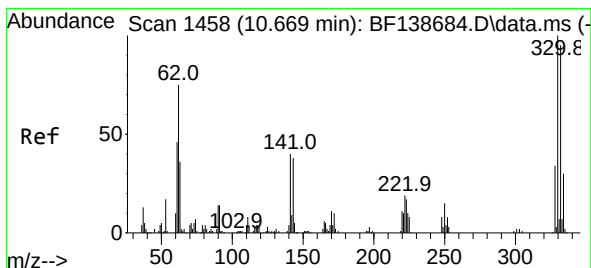
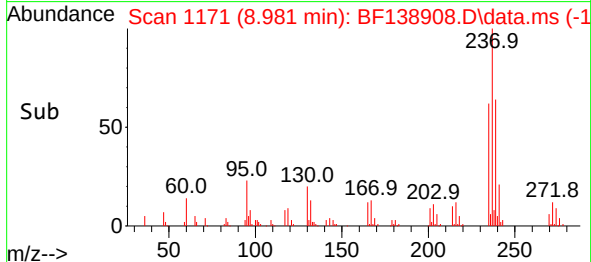
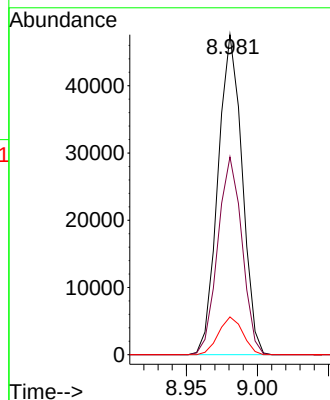
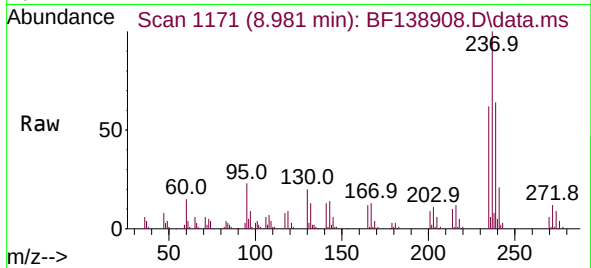




#41
Hexachlorocyclopentadiene
Concen: 97.914 ng
RT: 8.981 min Scan# 1172
Delta R.T. -0.005 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

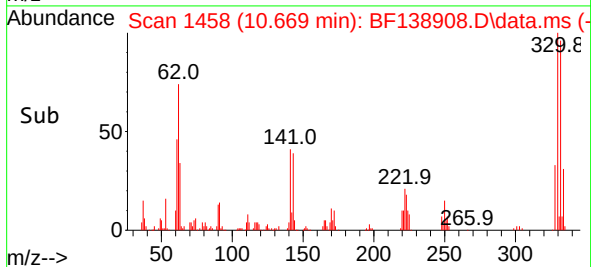
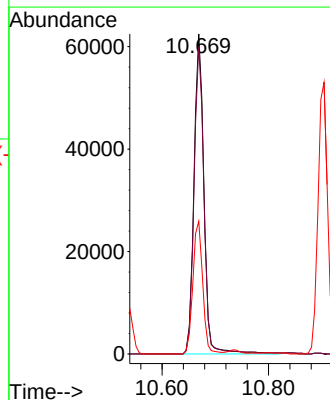
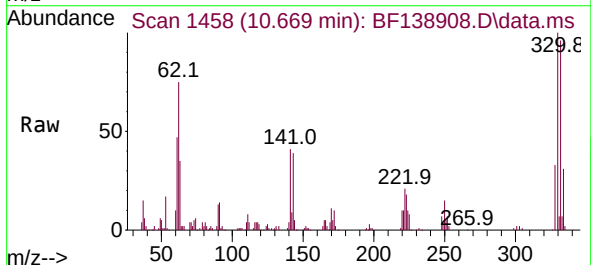
Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

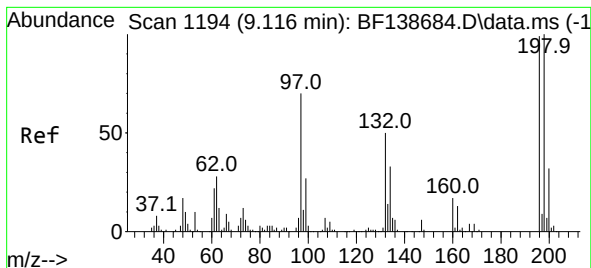
Tgt Ion:237 Resp: 56248
Ion Ratio Lower Upper
237 100
235 61.8 41.8 81.8
272 11.8 0.0 32.2



#42
2,4,6-Tribromophenol
Concen: 129.198 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion:330 Resp: 81267
Ion Ratio Lower Upper
330 100
332 95.5 76.4 114.6
141 41.0 31.1 46.7





#43

2,4,6-Trichlorophenol

Concen: 49.716 ng

RT: 9.116 min Scan# 1194

Delta R.T. 0.000 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

Instrument :

BNA_F

ClientSampleId :

TOPSOILMSD

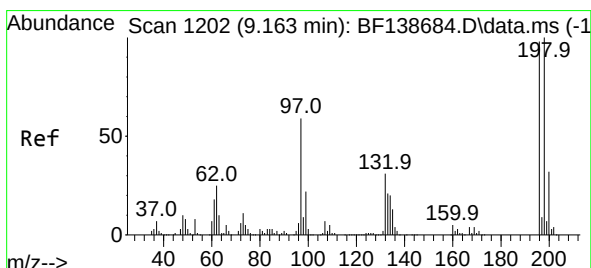
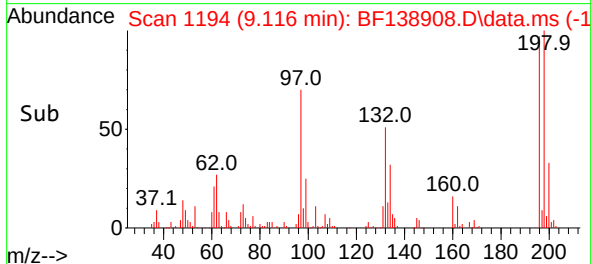
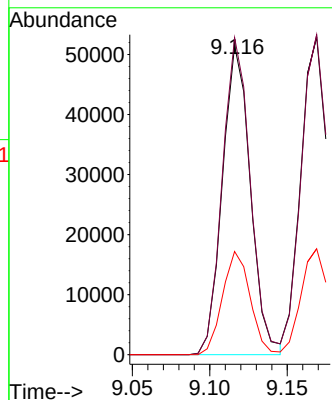
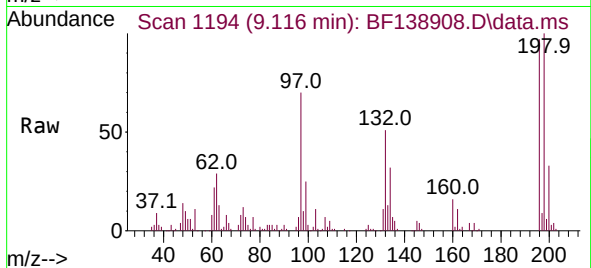
Tgt Ion:196 Resp: 64660

Ion Ratio Lower Upper

196 100

198 102.6 80.5 120.7

200 33.4 25.9 38.9



#44

2,4,5-Trichlorophenol

Concen: 48.296 ng

RT: 9.169 min Scan# 1203

Delta R.T. 0.006 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

Tgt Ion:196 Resp: 68669

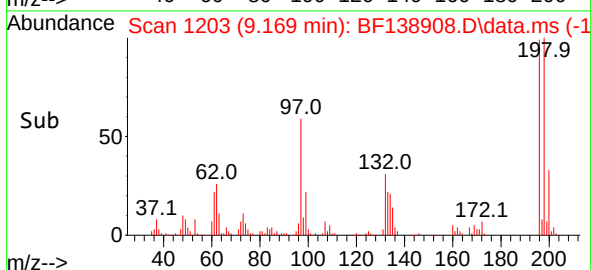
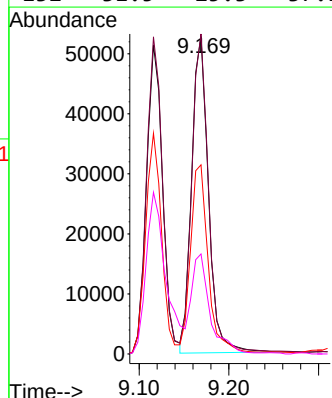
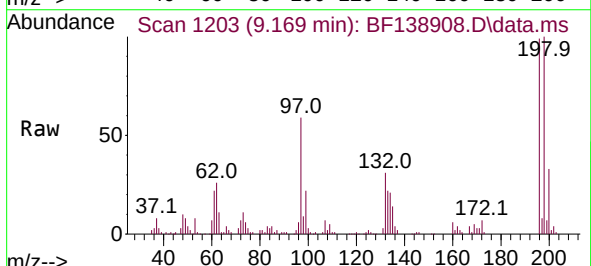
Ion Ratio Lower Upper

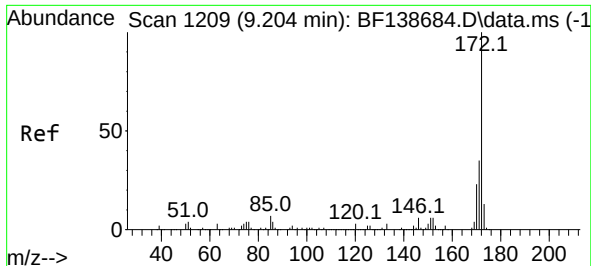
196 100

198 100.7 81.2 121.8

97 59.5 47.8 71.6

132 31.5 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 91.078 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.012 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

Instrument :

BNA_F

ClientSampleId :

TOPSOILMSD

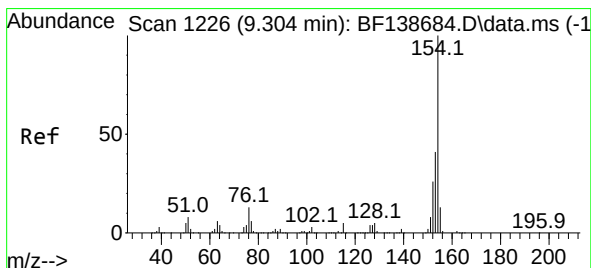
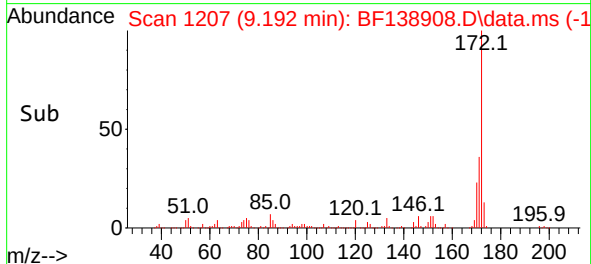
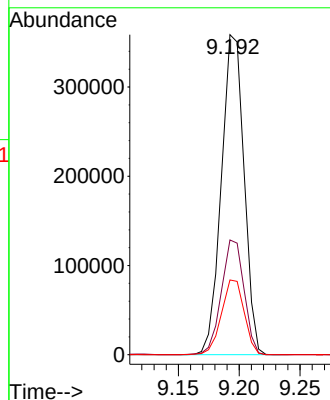
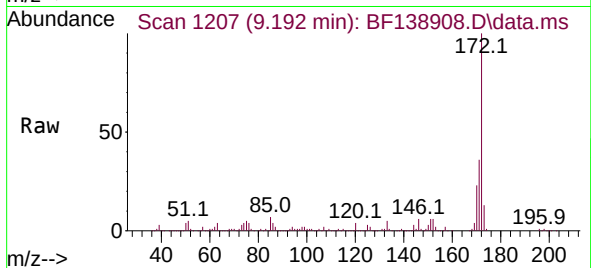
Tgt Ion:172 Resp: 465482

Ion Ratio Lower Upper

172 100

171 35.8 28.3 42.5

170 23.3 18.8 28.2



#46

1,1'-Biphenyl

Concen: 48.836 ng

RT: 9.298 min Scan# 1225

Delta R.T. -0.006 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

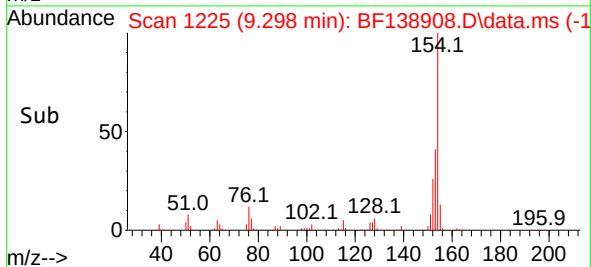
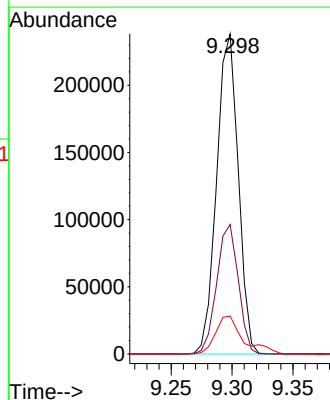
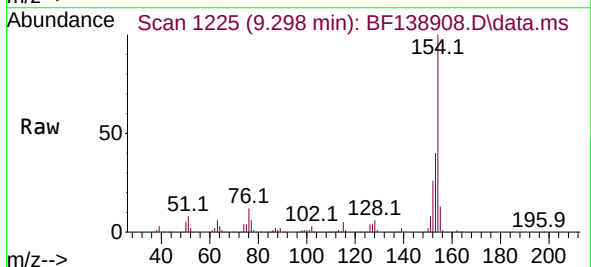
Tgt Ion:154 Resp: 293706

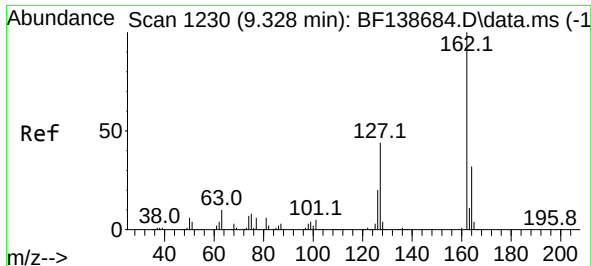
Ion Ratio Lower Upper

154 100

153 40.4 20.8 60.8

76 11.8 0.0 32.8





#47

2-Chloronaphthalene

Concen: 51.083 ng

RT: 9.322 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

Instrument :

BNA_F

ClientSampleId :

TOPSOILMSD

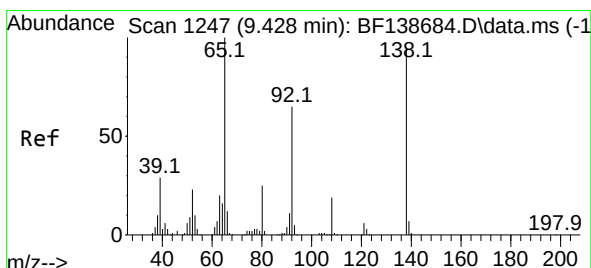
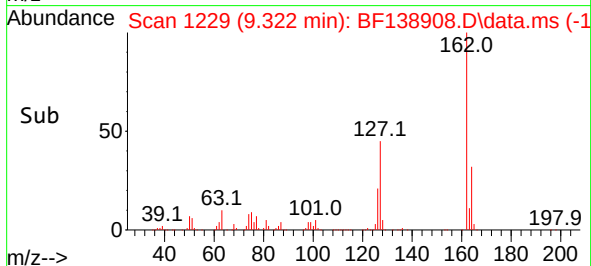
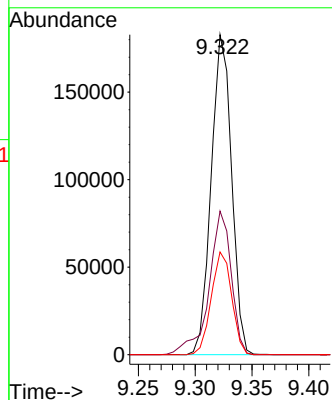
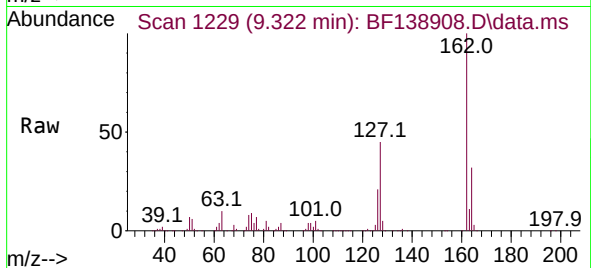
Tgt Ion:162 Resp: 228487

Ion Ratio Lower Upper

162 100

127 44.8 35.4 53.2

164 32.1 25.6 38.4



#48

2-Nitroaniline

Concen: 56.002 ng

RT: 9.428 min Scan# 1247

Delta R.T. 0.000 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

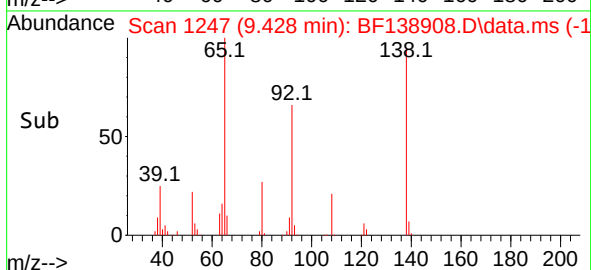
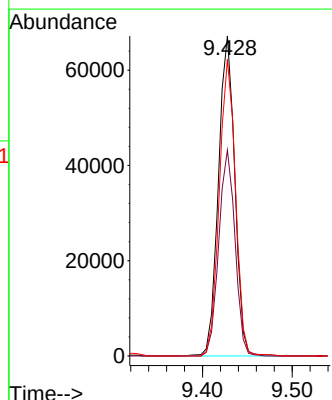
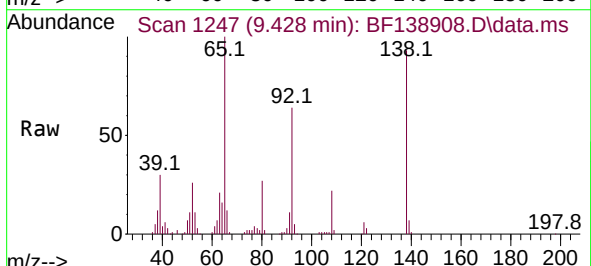
Tgt Ion: 65 Resp: 84918

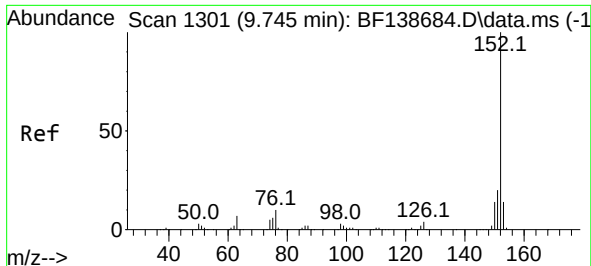
Ion Ratio Lower Upper

65 100

92 64.4 52.0 78.0

138 92.6 76.2 114.4





#49

Acenaphthylene

Concen: 57.240 ng

RT: 9.739 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

Instrument :

BNA_F

ClientSampleId :

TOPSOILMSD

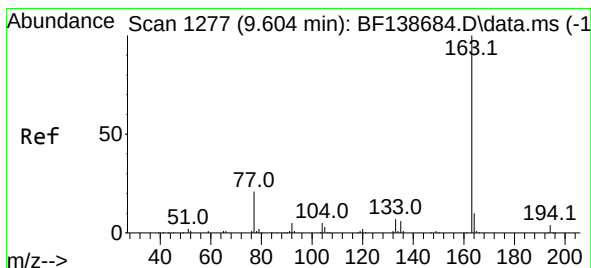
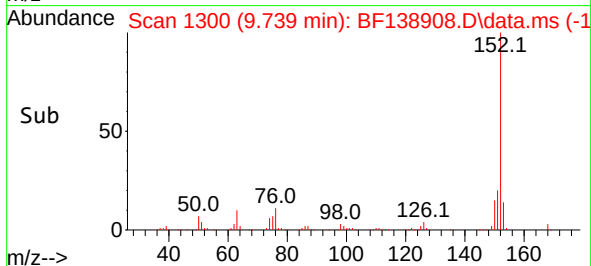
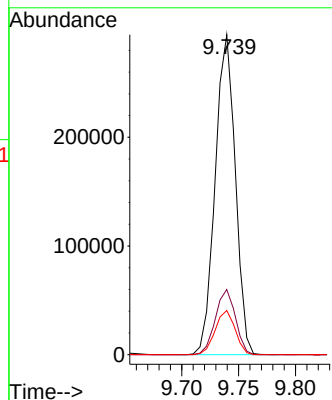
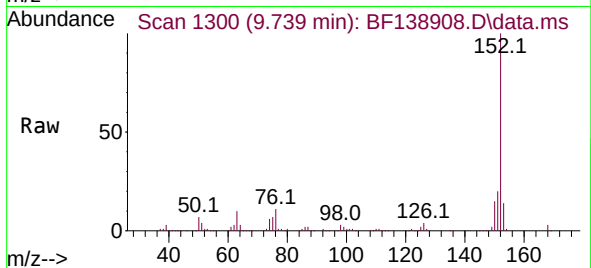
Tgt Ion:152 Resp: 363120

Ion Ratio Lower Upper

152 100

151 20.4 16.0 24.0

153 13.8 11.0 16.4



#50

Dimethylphthalate

Concen: 58.159 ng

RT: 9.598 min Scan# 1276

Delta R.T. -0.006 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

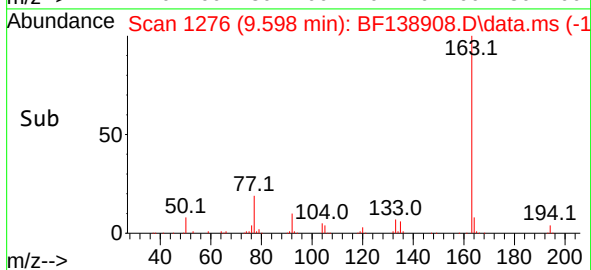
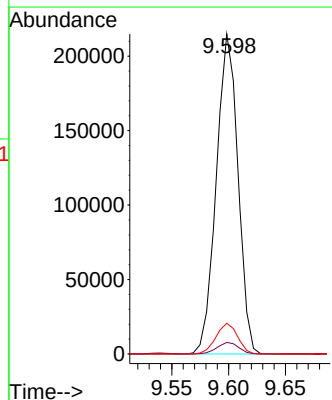
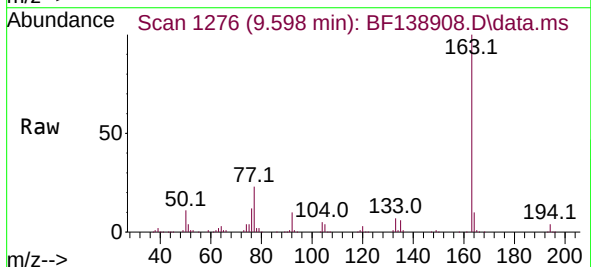
Tgt Ion:163 Resp: 285566

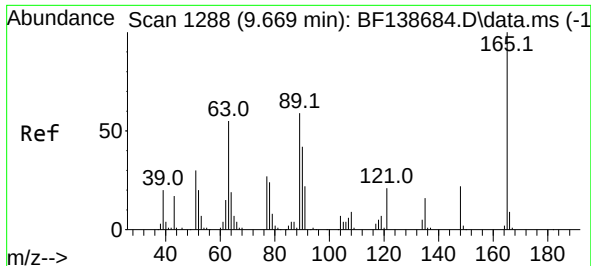
Ion Ratio Lower Upper

163 100

194 3.6 3.1 4.7

164 9.6 7.8 11.8

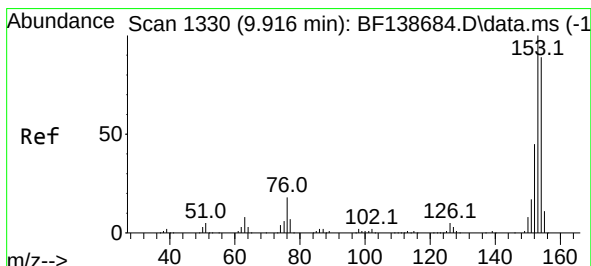
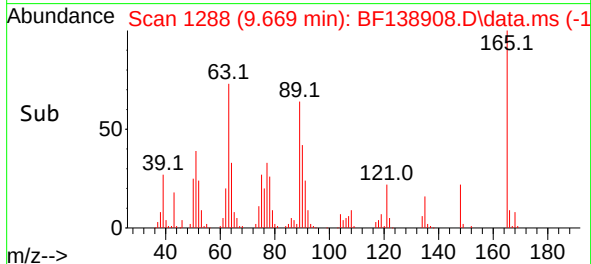
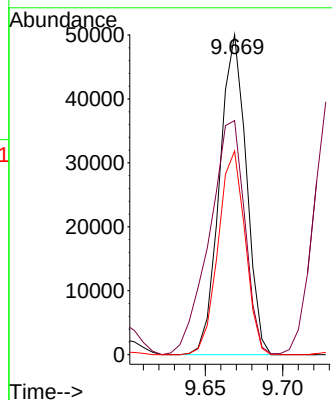
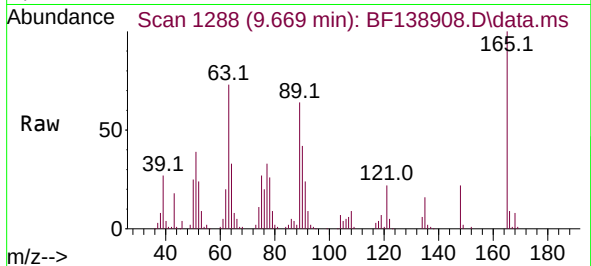




#51
2,6-Dinitrotoluene
Concen: 54.187 ng
RT: 9.669 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

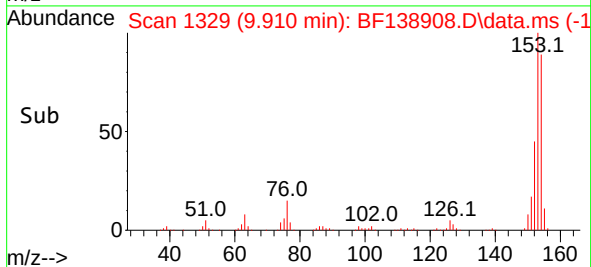
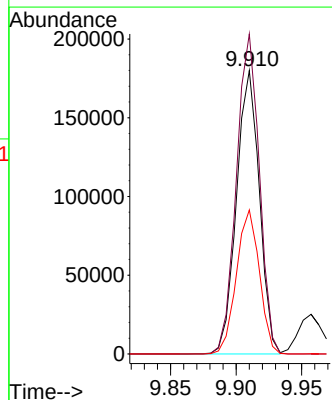
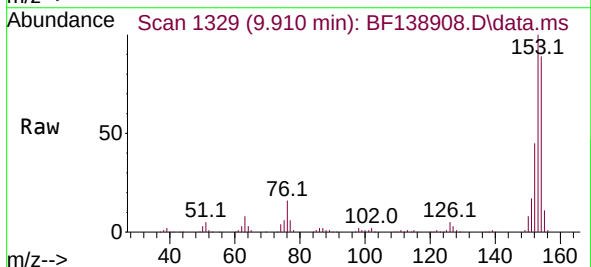
Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

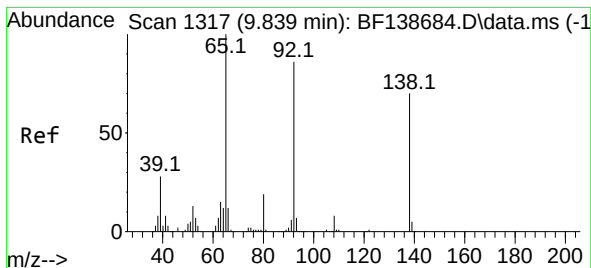
Tgt Ion:165 Resp: 60045
Ion Ratio Lower Upper
165 100
63 73.1 52.0 78.0
89 63.7 47.0 70.6



#52
Acenaphthene
Concen: 51.323 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion:154 Resp: 218865
Ion Ratio Lower Upper
154 100
153 112.9 89.9 134.9
152 50.8 40.6 60.8





#53

3-Nitroaniline

Concen: 41.969 ng

RT: 9.839 min Scan# 1317

Delta R.T. 0.000 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

Instrument :

BNA_F

ClientSampleId :

TOPSOILMSD

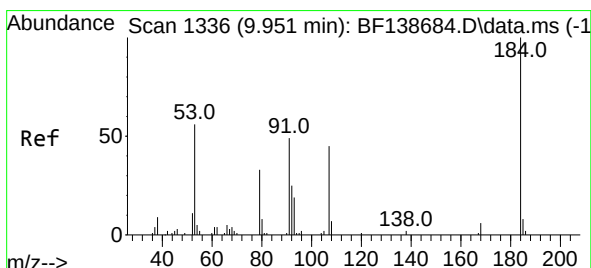
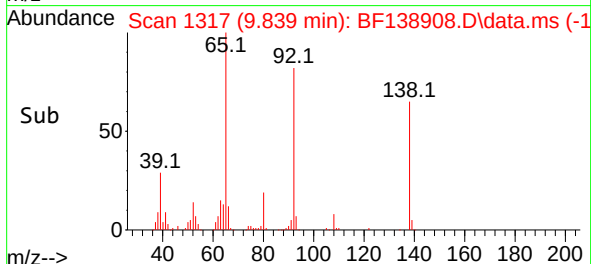
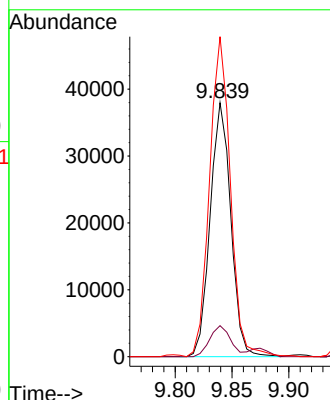
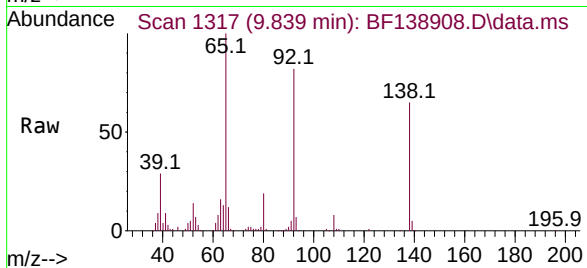
Tgt Ion:138 Resp: 48077

Ion Ratio Lower Upper

138 100

108 12.2 9.1 13.7

92 126.0 98.7 148.1



#54

2,4-Dinitrophenol

Concen: 91.477 ng

RT: 9.957 min Scan# 1337

Delta R.T. 0.006 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

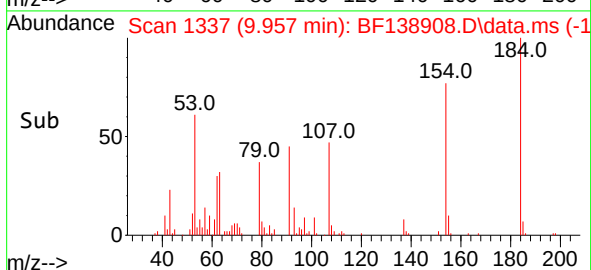
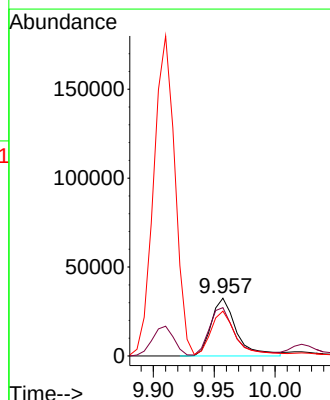
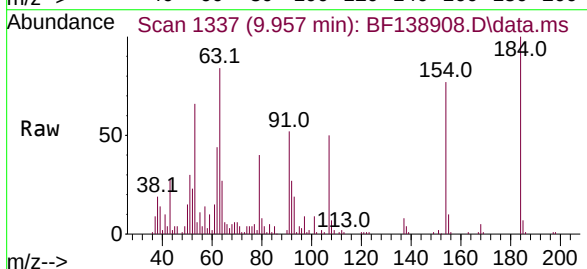
Tgt Ion:184 Resp: 46662

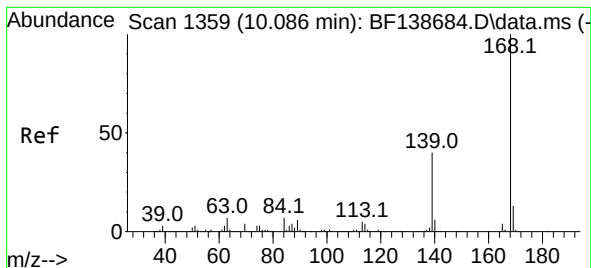
Ion Ratio Lower Upper

184 100

63 83.5 57.5 86.3

154 77.4 51.7 77.5

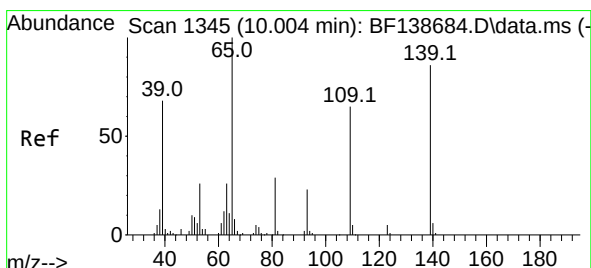
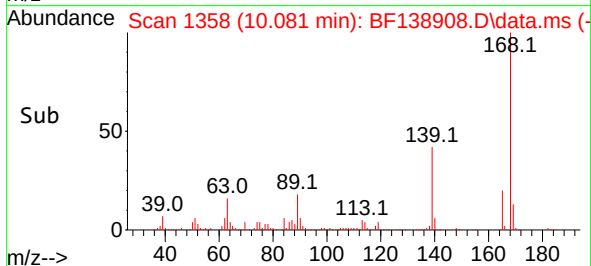
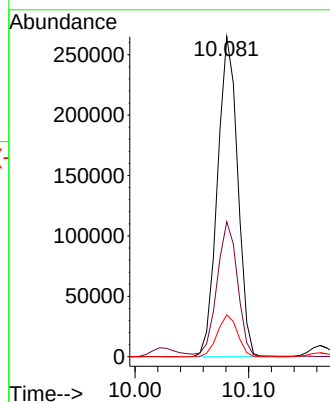
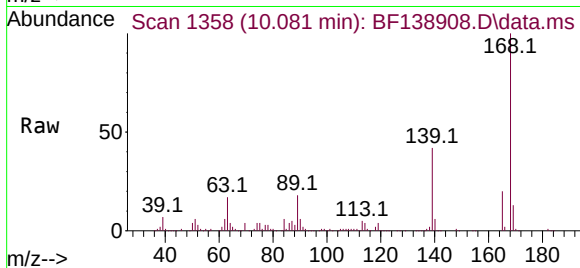




#55
Dibenzenofuran
Concen: 54.450 ng
RT: 10.081 min Scan# 1358
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

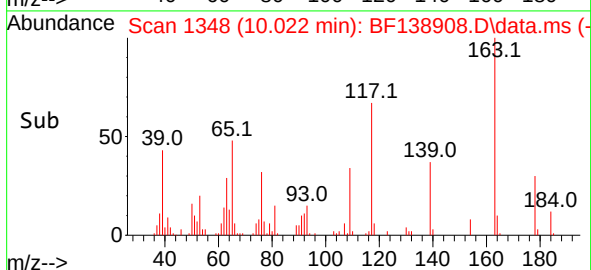
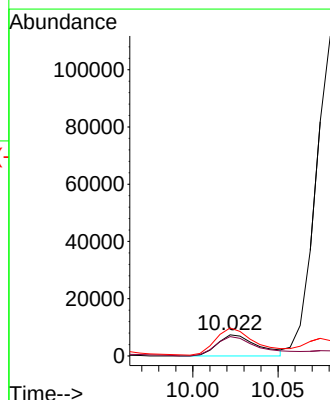
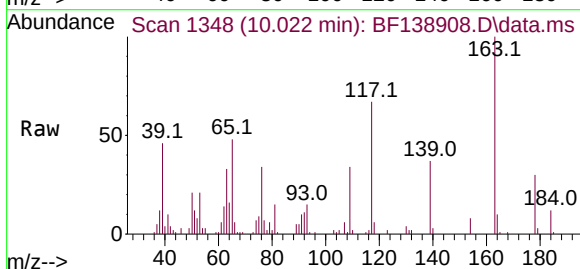
Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

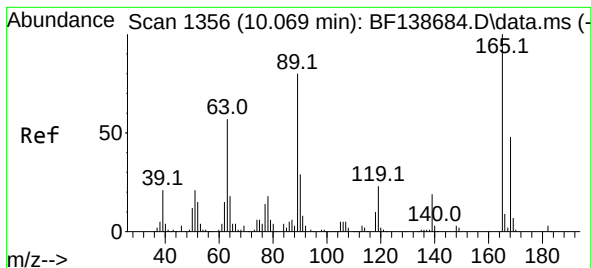
Tgt Ion:168 Resp: 327771
Ion Ratio Lower Upper
168 100
139 42.2 32.6 49.0
169 13.1 10.7 16.1



#56
4-Nitrophenol
Concen: 17.677 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.018 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion:139 Resp: 12177
Ion Ratio Lower Upper
139 100
109 92.0 55.5 95.5
65 132.5 96.7 136.7

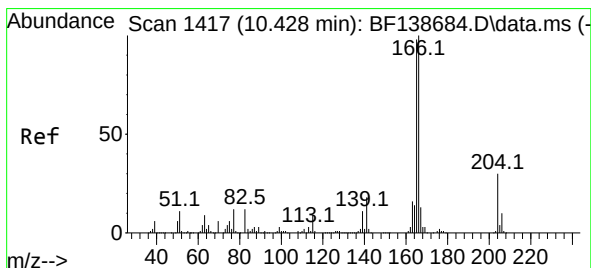
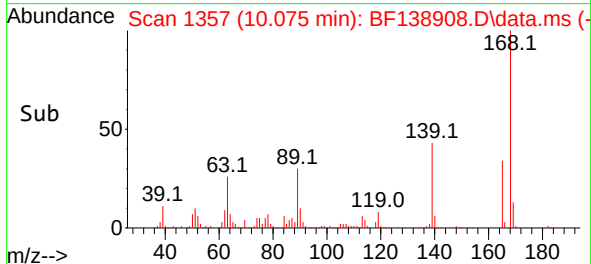
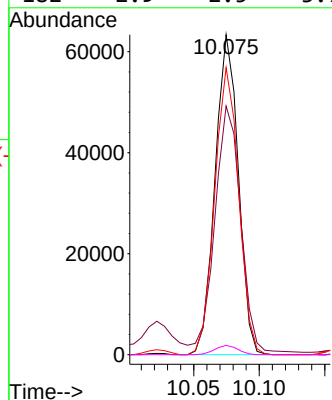
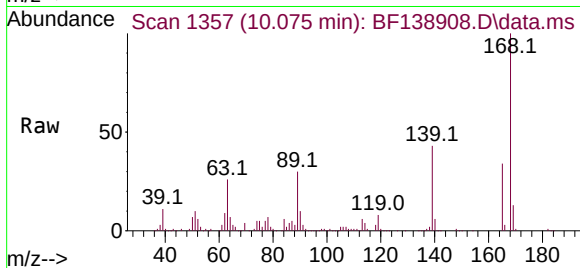




#57
2,4-Dinitrotoluene
Concen: 55.144 ng
RT: 10.075 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

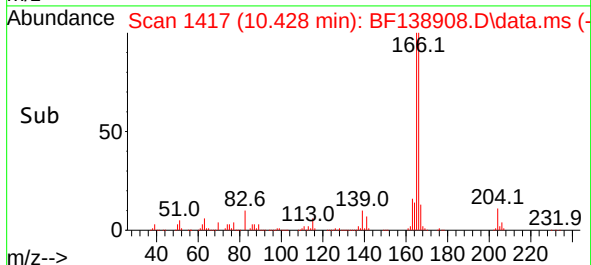
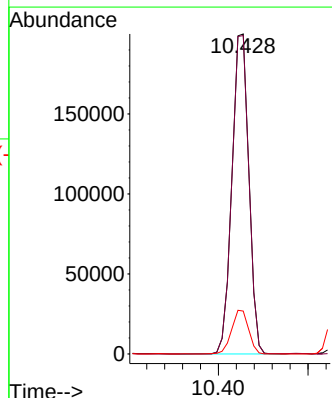
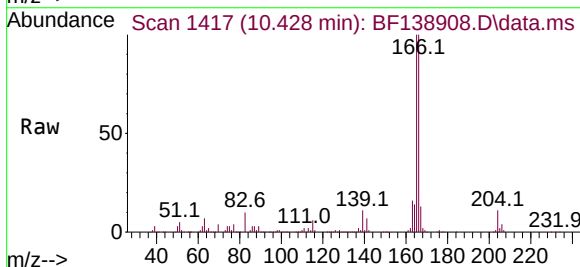
Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

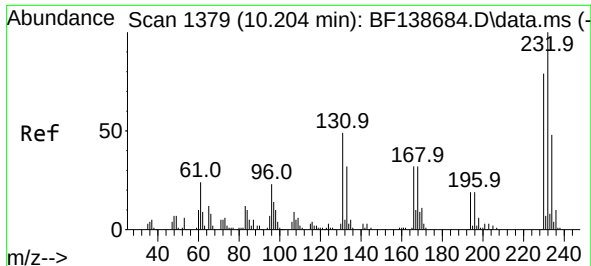
Tgt Ion:165 Resp: 77961
Ion Ratio Lower Upper
165 100
63 77.7 46.3 69.5#
89 89.7 64.2 96.4
182 2.9 2.5 3.7



#58
Fluorene
Concen: 54.599 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion:166 Resp: 261733
Ion Ratio Lower Upper
166 100
165 99.5 78.4 117.6
167 13.4 10.6 16.0



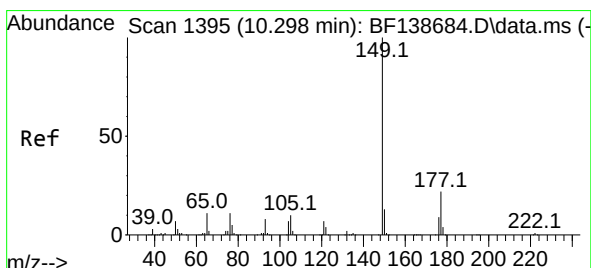
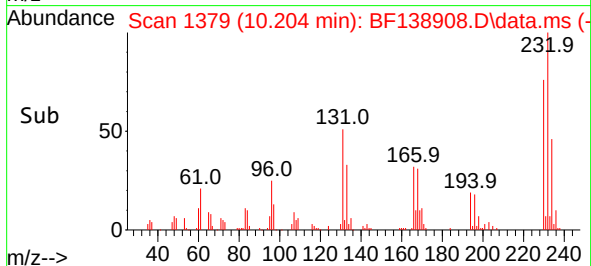
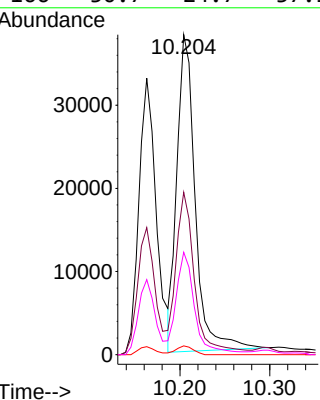
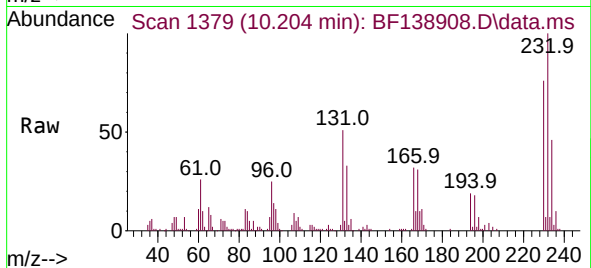


#59
2,3,4,6-Tetrachlorophenol
Concen: 49.689 ng
RT: 10.204 min Scan# 1379
Delta R.T. 0.000 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

Tgt Ion:232 Resp: 54013

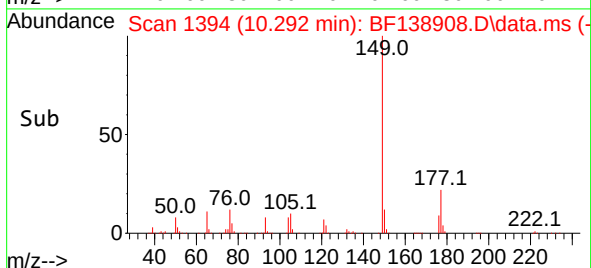
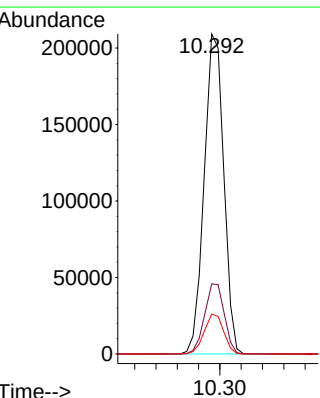
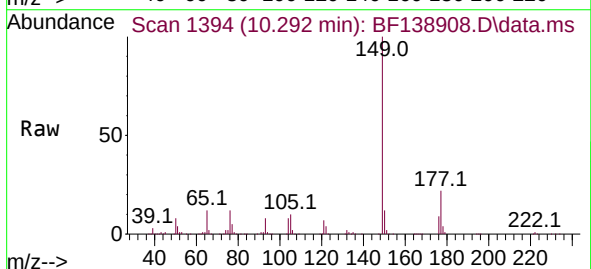
Ion	Ratio	Lower	Upper
232	100		
131	52.1	37.0	55.4
130	2.6	2.0	3.0
166	30.7	24.7	37.1

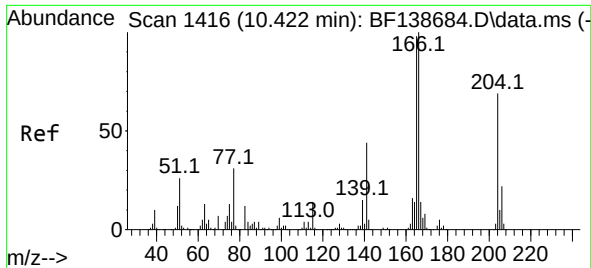


#60
Diethylphthalate
Concen: 57.161 ng
RT: 10.292 min Scan# 1394
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion:149 Resp: 266118

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.8	26.8
150	12.5	10.1	15.1

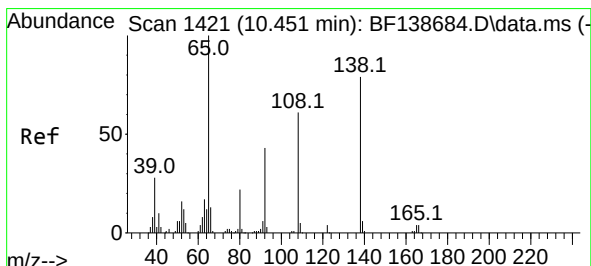
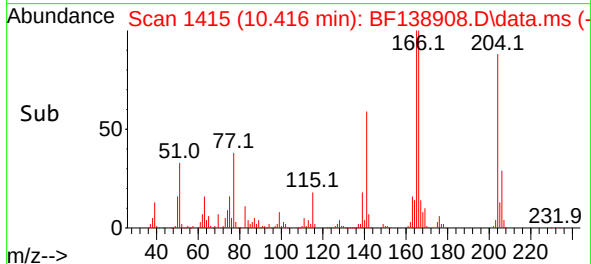
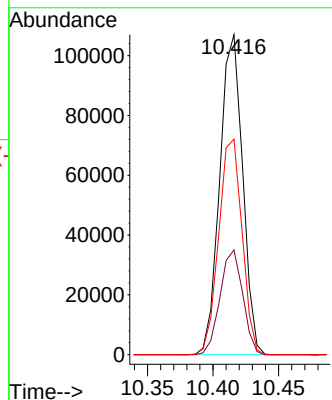
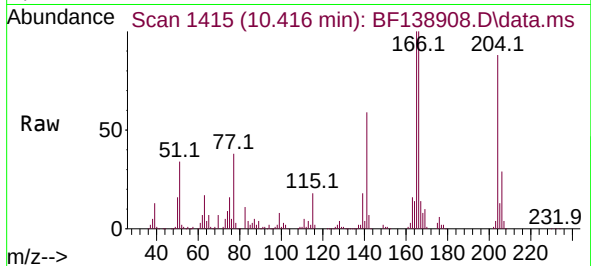




#61
4-Chlorophenyl-phenylether
Concen: 54.921 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

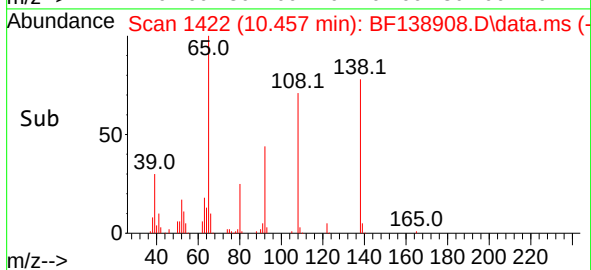
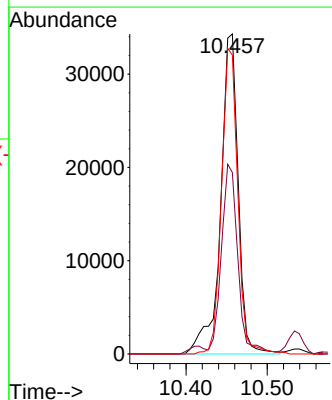
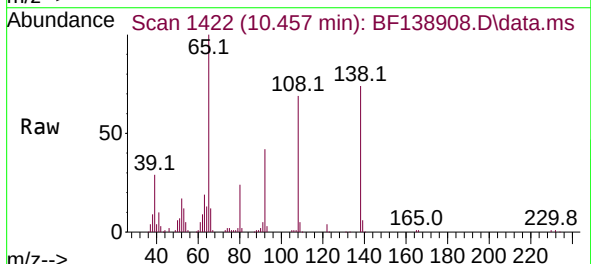
Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

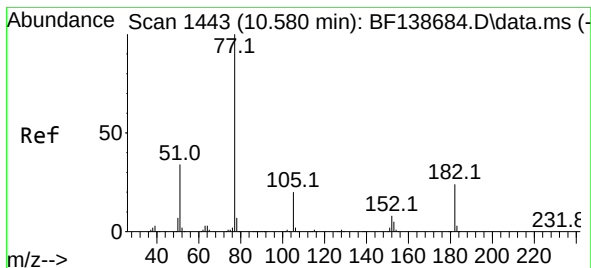
Tgt Ion:204 Resp: 129483
Ion Ratio Lower Upper
204 100
206 32.8 26.1 39.1
141 67.4 51.4 77.0



#62
4-Nitroaniline
Concen: 47.669 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion:138 Resp: 51893
Ion Ratio Lower Upper
138 100
92 56.7 34.2 74.2
108 93.4 56.2 96.2





#63

Azobenzene

Concen: 53.835 ng

RT: 10.575 min Scan# 1442

Delta R.T. -0.006 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

Instrument :

BNA_F

ClientSampleId :

TOPSOILMSD

Tgt Ion: 77 Resp: 277975

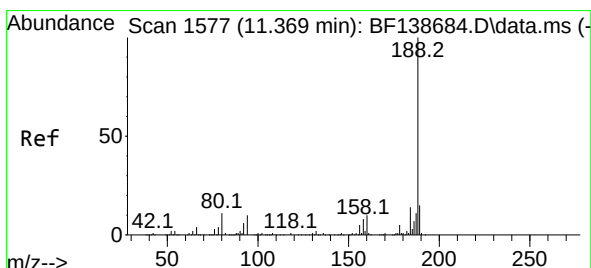
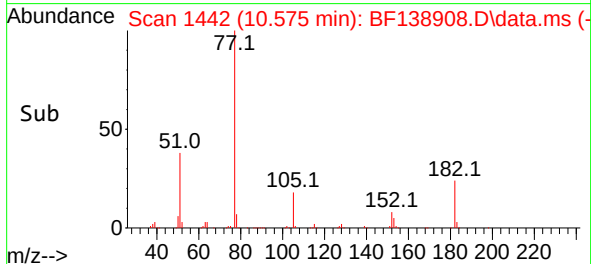
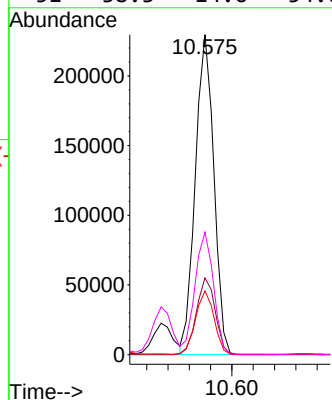
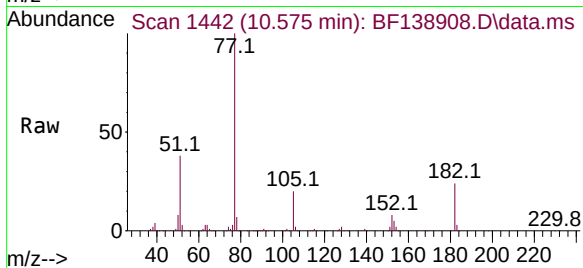
Ion Ratio Lower Upper

77 100

182 24.0 3.4 43.4

105 19.9 0.2 40.2

51 38.3 14.6 54.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1576

Delta R.T. -0.006 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

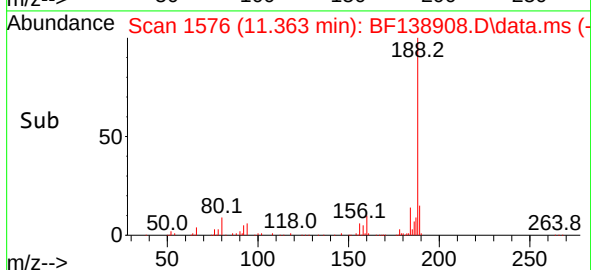
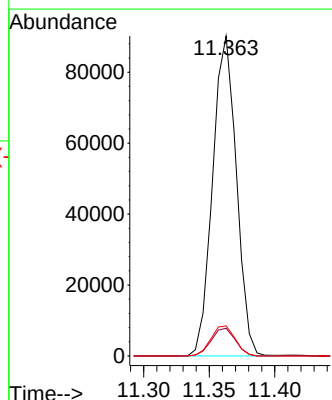
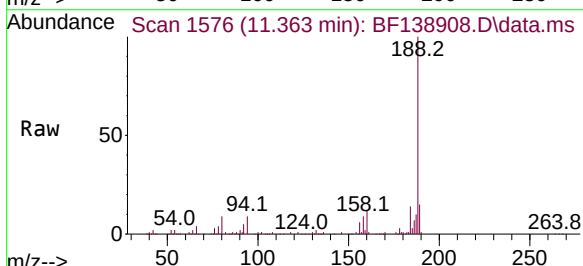
Tgt Ion: 188 Resp: 113664

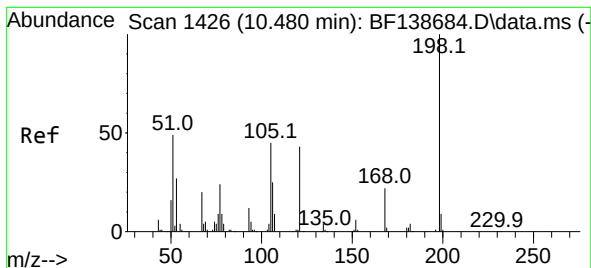
Ion Ratio Lower Upper

188 100

94 8.6 7.6 11.4

80 9.4 8.6 12.8

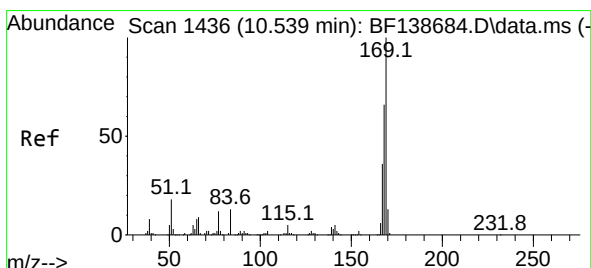
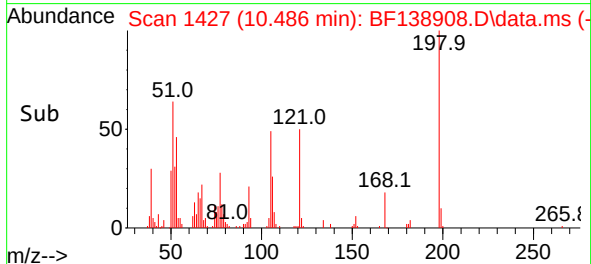
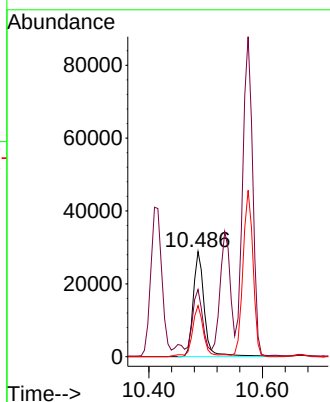
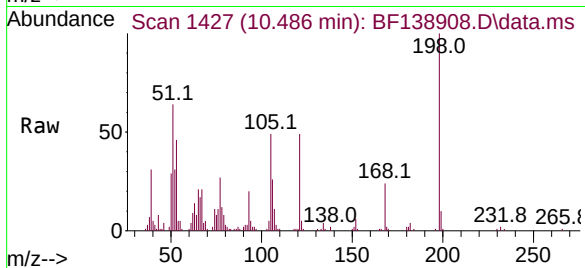




#65
4,6-Dinitro-2-methylphenol
Concen: 56.950 ng
RT: 10.486 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

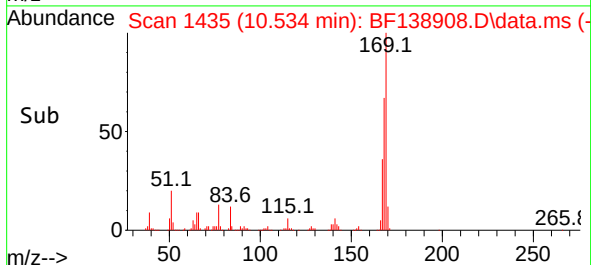
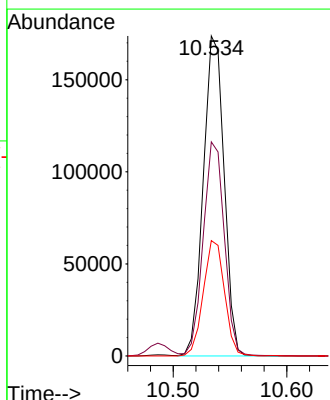
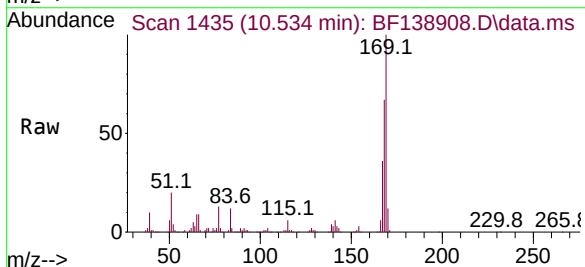
Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

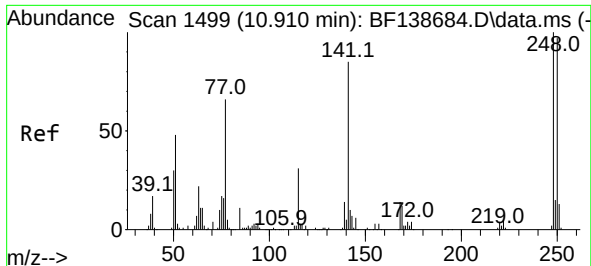
Tgt Ion:198 Resp: 39492
Ion Ratio Lower Upper
198 100
51 64.0 39.9 79.9
105 48.5 26.1 66.1



#66
n-Nitrosodiphenylamine
Concen: 62.296 ng
RT: 10.534 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion:169 Resp: 221330
Ion Ratio Lower Upper
169 100
168 66.9 53.0 79.6
167 36.1 29.0 43.6

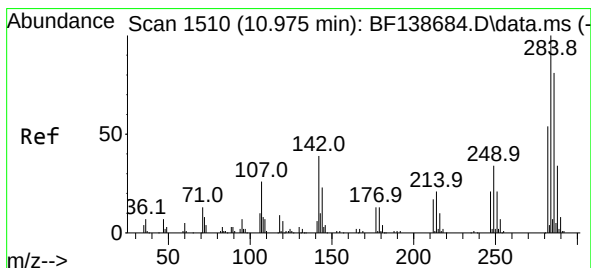
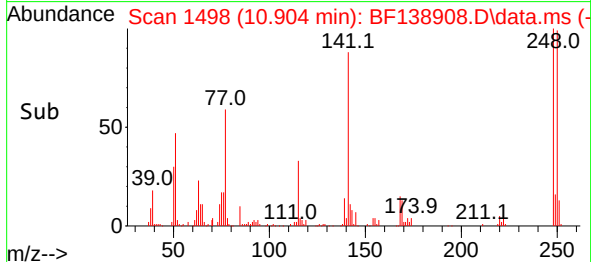
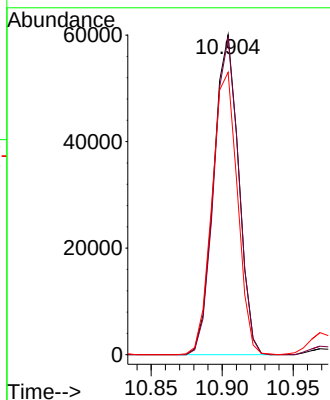
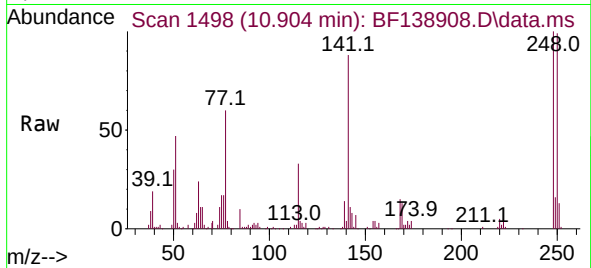




#67
4-Bromophenyl-phenylether
Concen: 59.338 ng
RT: 10.904 min Scan# 1499
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

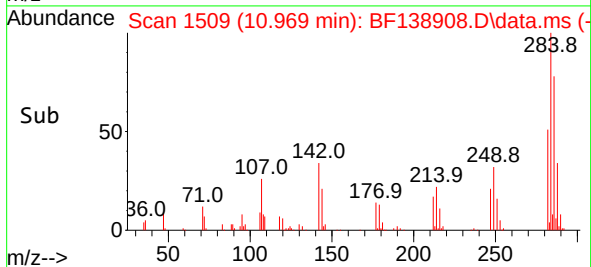
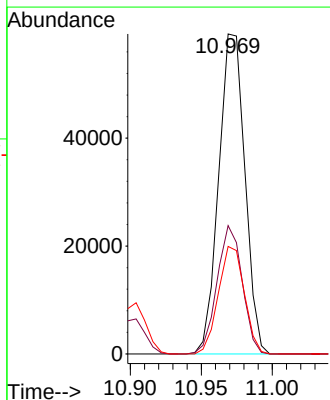
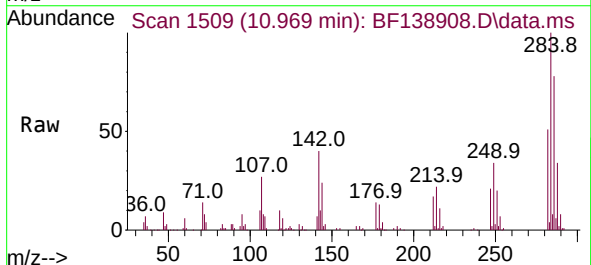
Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

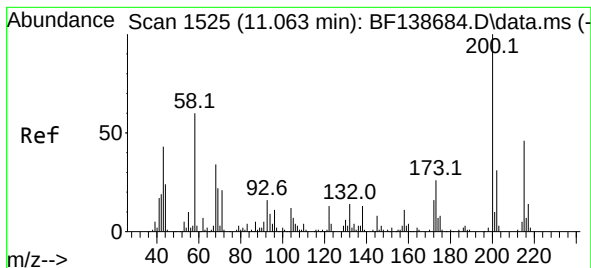
Tgt Ion:248 Resp: 73023
Ion Ratio Lower Upper
248 100
250 99.0 77.7 116.5
141 88.3 68.0 102.0



#68
Hexachlorobenzene
Concen: 59.972 ng
RT: 10.969 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion:284 Resp: 76202
Ion Ratio Lower Upper
284 100
142 40.1 31.3 46.9
249 33.6 27.2 40.8





#69

Atrazine

Concen: 62.178 ng

RT: 11.063 min Scan# 1525

Delta R.T. 0.000 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

Instrument :

BNA_F

ClientSampleId :

TOPSOILMSD

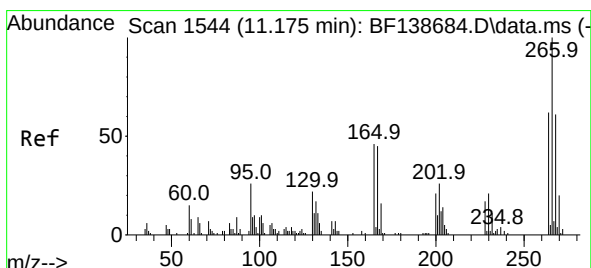
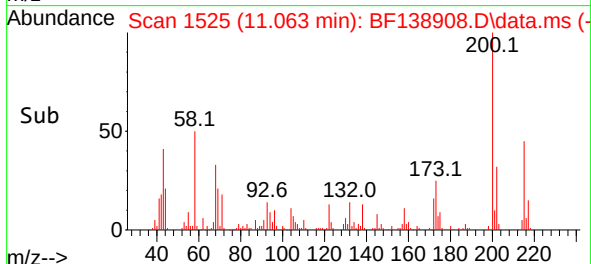
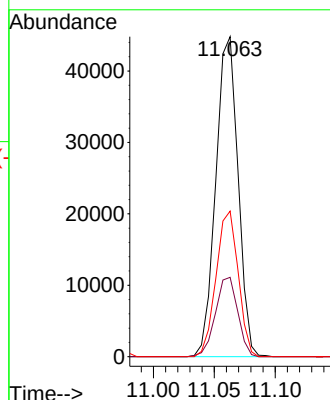
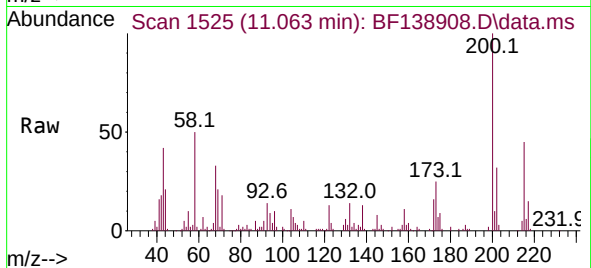
Tgt Ion:200 Resp: 56996

Ion Ratio Lower Upper

200 100

173 24.8 6.0 46.0

215 45.5 26.1 66.1



#70

Pentachlorophenol

Concen: 96.657 ng

RT: 11.175 min Scan# 1544

Delta R.T. -0.000 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

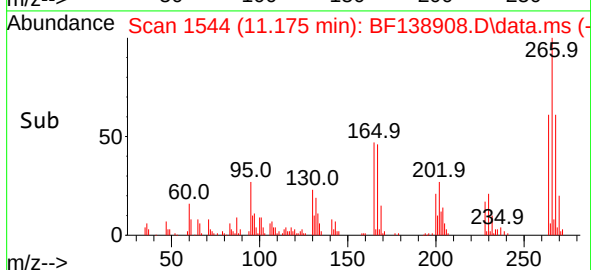
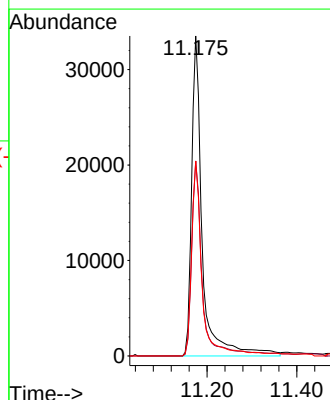
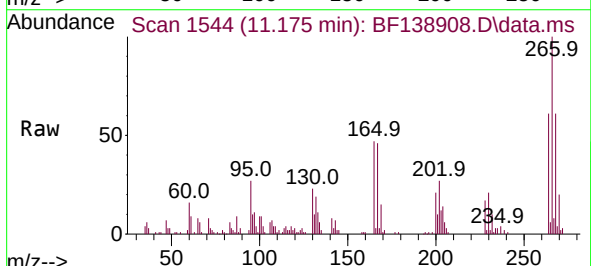
Tgt Ion:266 Resp: 55358

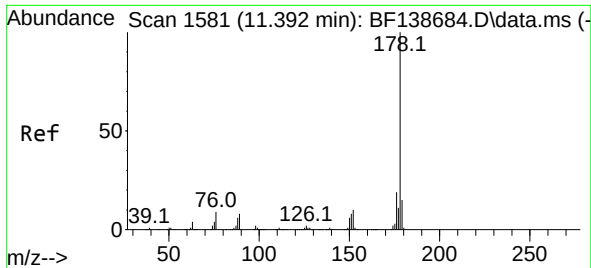
Ion Ratio Lower Upper

266 100

268 60.9 49.2 73.8

264 60.9 49.8 74.6

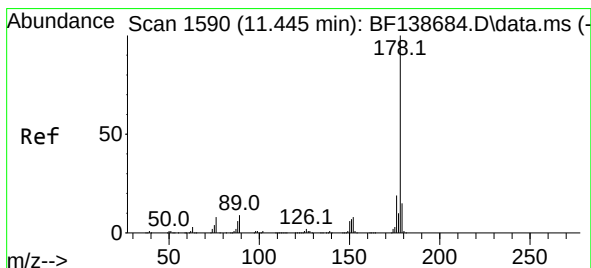
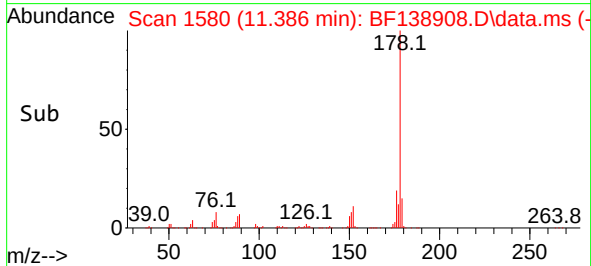
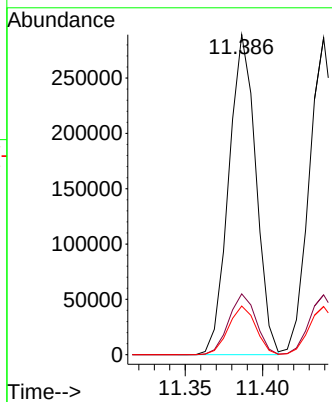
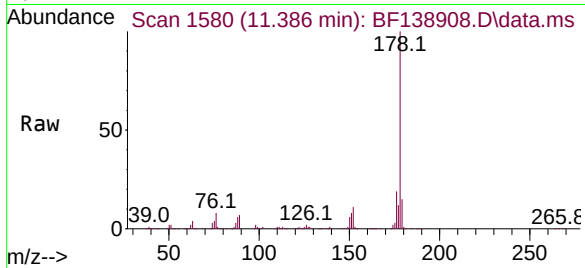




#71
Phenanthrene
Concen: 60.144 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

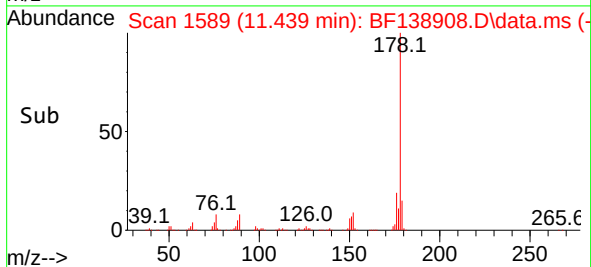
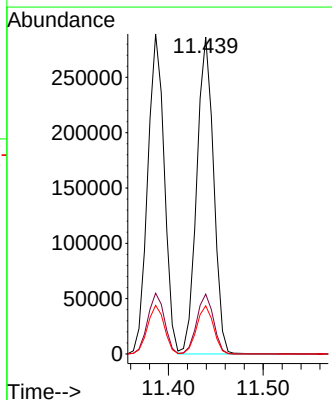
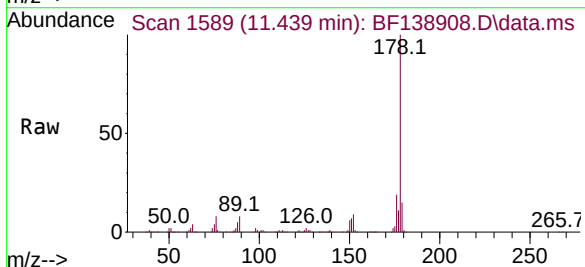
Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

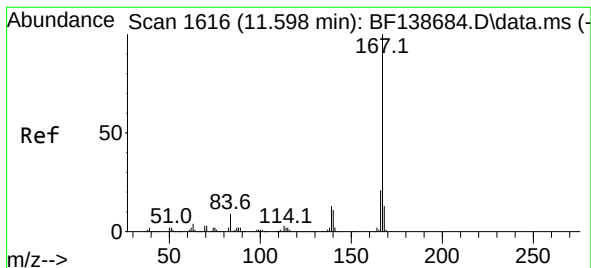
Tgt Ion:178 Resp: 352010
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.2 12.2 18.2



#72
Anthracene
Concen: 61.269 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion:178 Resp: 353263
Ion Ratio Lower Upper
178 100
176 18.9 14.9 22.3
179 15.2 12.4 18.6





#73

Carbazole

Concen: 56.774 ng

RT: 11.598 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

Instrument :

BNA_F

ClientSampleId :

TOPSOILMSD

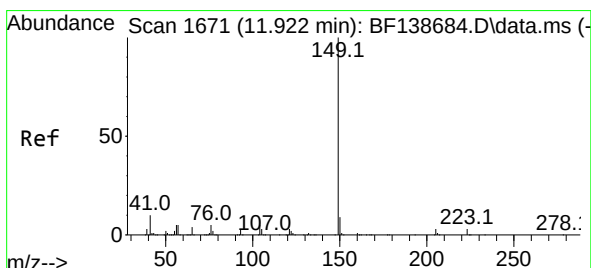
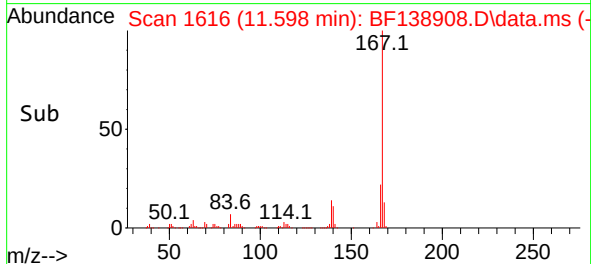
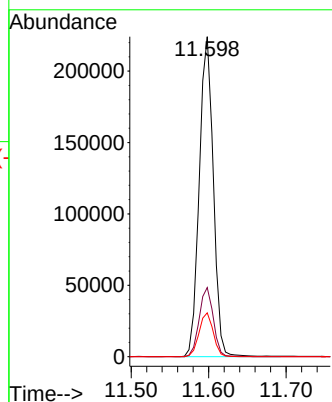
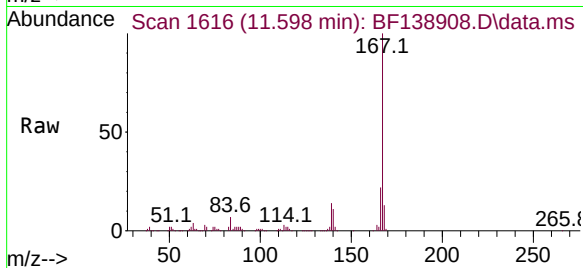
Tgt Ion:167 Resp: 282421

Ion Ratio Lower Upper

167 100

166 21.6 17.2 25.8

139 13.7 10.6 16.0



#74

Di-n-butylphthalate

Concen: 61.581 ng

RT: 11.916 min Scan# 1670

Delta R.T. -0.006 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

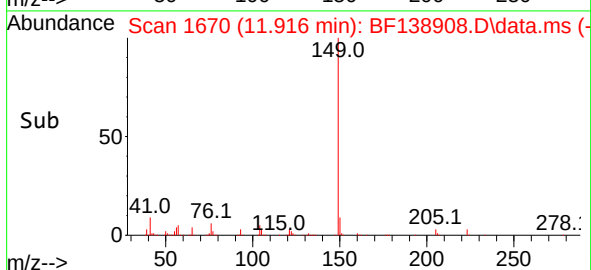
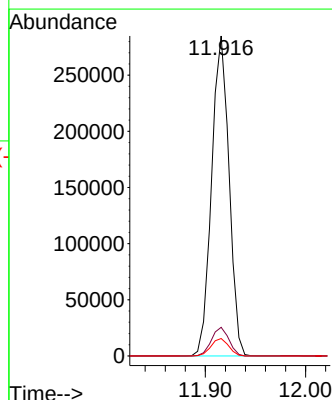
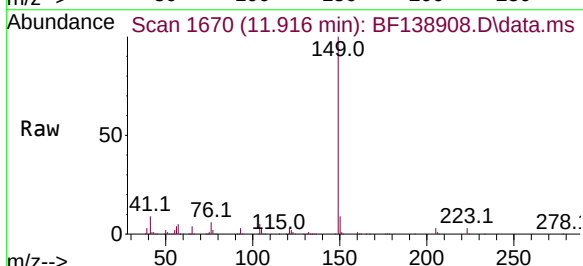
Tgt Ion:149 Resp: 344363

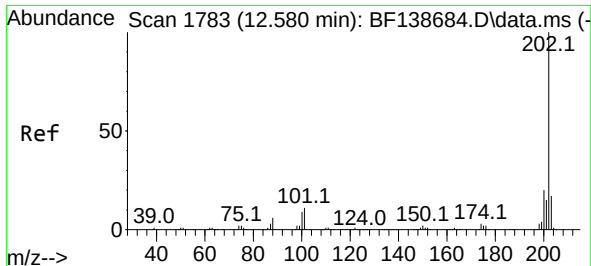
Ion Ratio Lower Upper

149 100

150 8.9 7.4 11.0

104 5.5 4.1 6.1

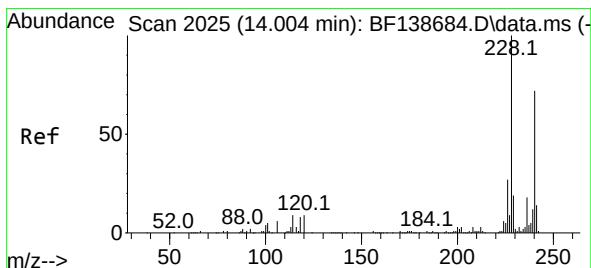
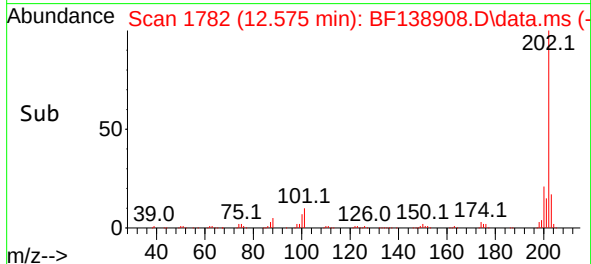
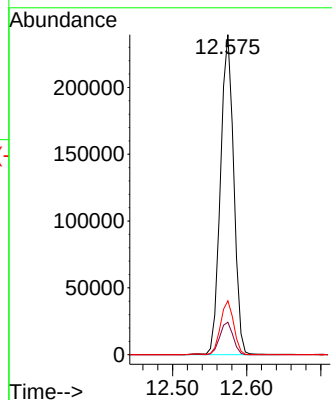
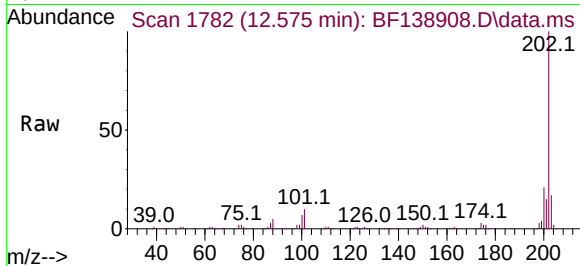




#75
Fluoranthene
Concen: 54.551 ng
RT: 12.575 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

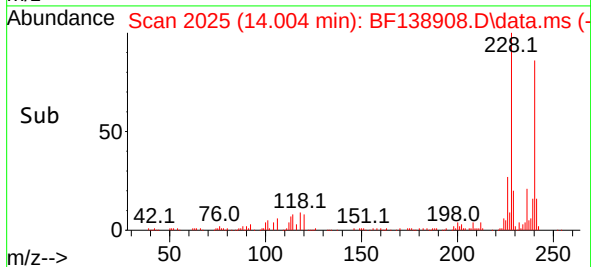
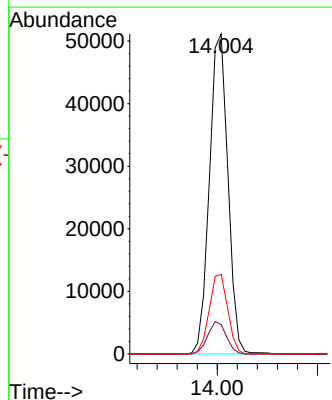
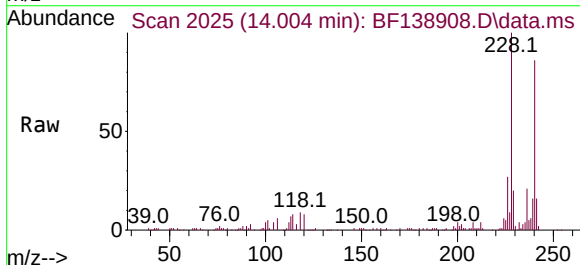
Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

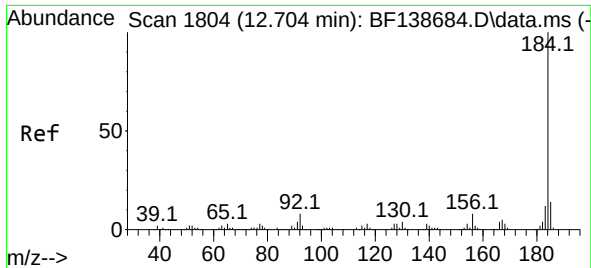
Tgt Ion:202 Resp: 298063
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.2
203 16.9 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion:240 Resp: 65712
Ion Ratio Lower Upper
240 100
120 9.2 10.2 15.4#
236 24.8 19.8 29.8

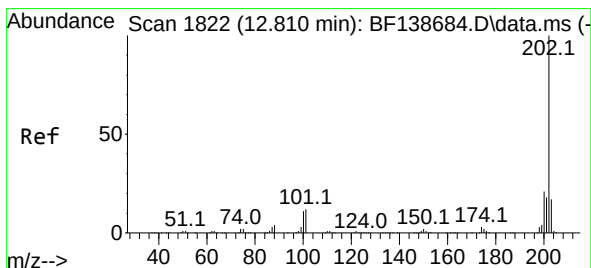
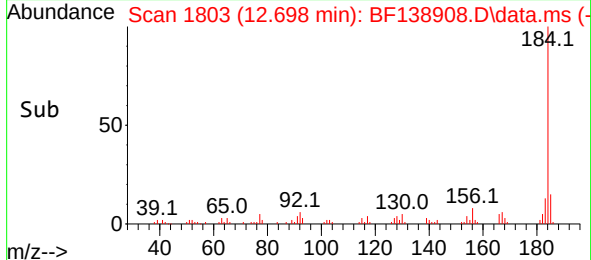
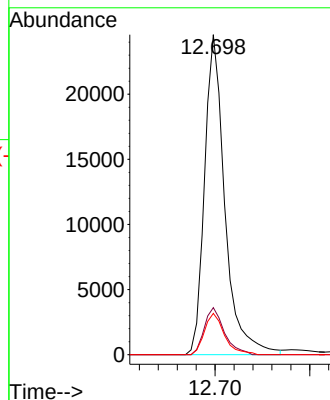
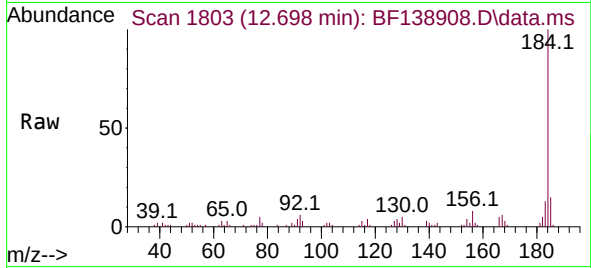




#77
Benzidine
Concen: 23.257 ng
RT: 12.698 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

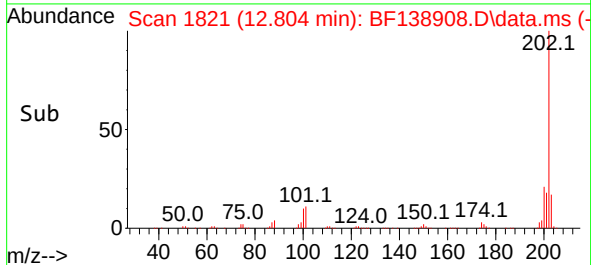
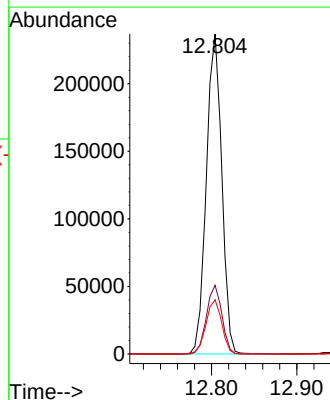
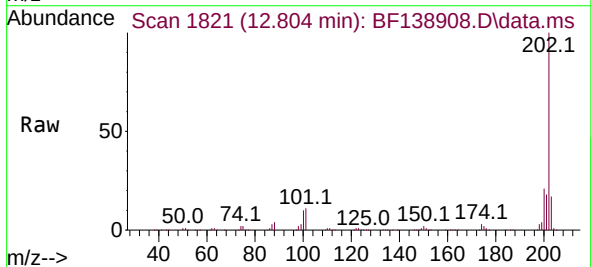
Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

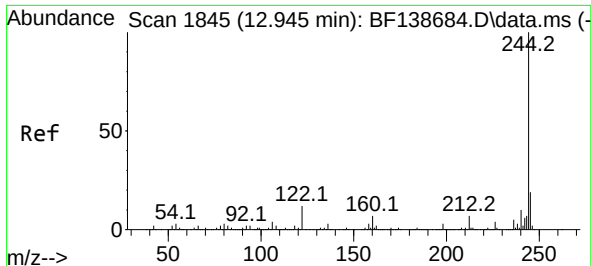
Tgt Ion:184	Resp:	36554
Ion Ratio	Lower	Upper
184	100	
185	14.7	11.1 16.7
183	12.9	9.6 14.4



#78
Pyrene
Concen: 48.132 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

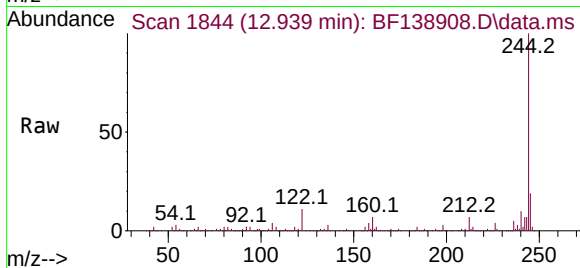
Tgt Ion:202	Resp:	297795
Ion Ratio	Lower	Upper
202	100	
200	21.4	16.8 25.2
203	16.9	13.8 20.6



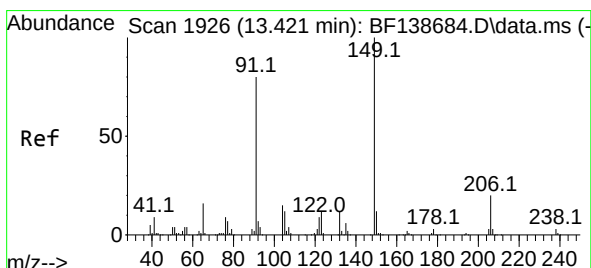
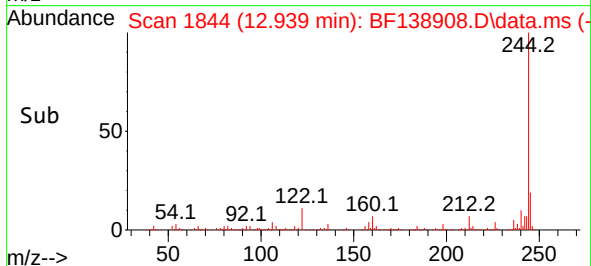
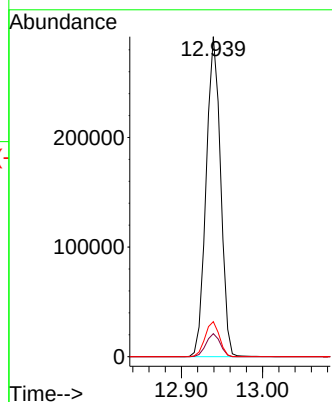


#79
 Terphenyl-d14
 Concen: 91.541 ng
 RT: 12.939 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF138908.D
 Acq: 10 Aug 2024 14:17

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOILMSD

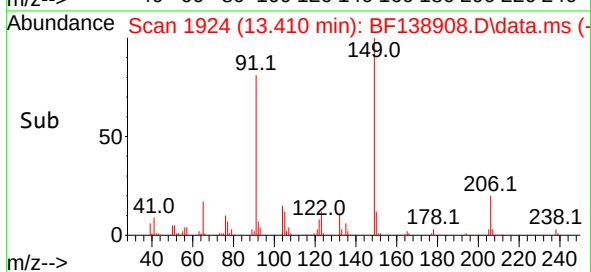
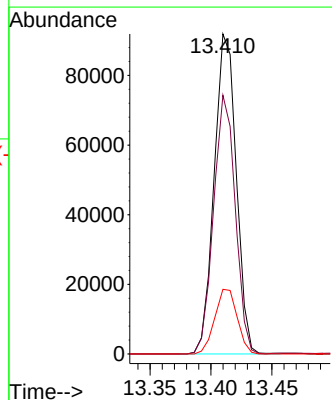
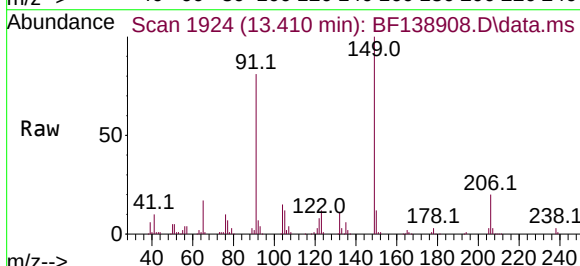


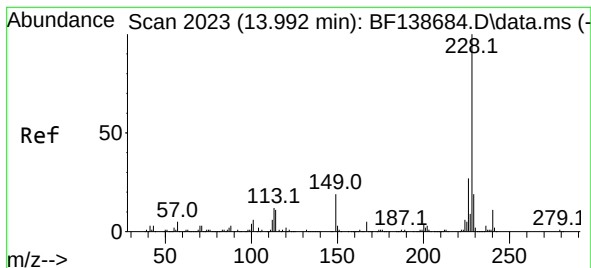
Tgt Ion:244 Resp: 359282
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.2
 122 11.0 9.6 14.4



#80
 Butylbenzylphthalate
 Concen: 58.550 ng
 RT: 13.410 min Scan# 1924
 Delta R.T. -0.012 min
 Lab File: BF138908.D
 Acq: 10 Aug 2024 14:17

Tgt Ion:149 Resp: 116002
 Ion Ratio Lower Upper
 149 100
 91 80.9 63.7 95.5
 206 20.2 16.2 24.2





#81

Benzo(a)anthracene

Concen: 57.846 ng

RT: 13.992 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

Instrument :

BNA_F

ClientSampleId :

TOPSOILMSD

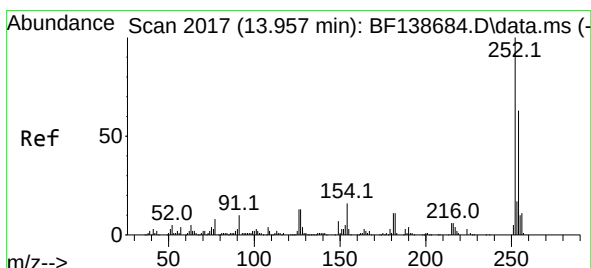
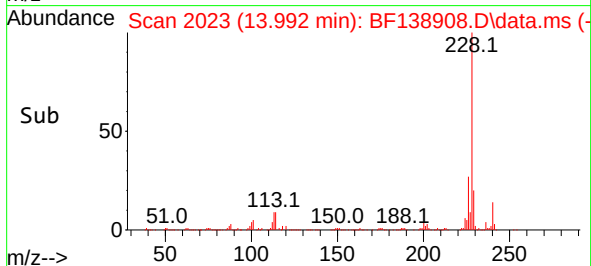
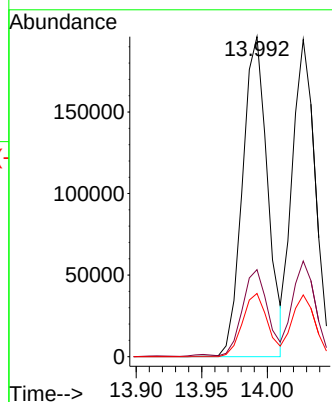
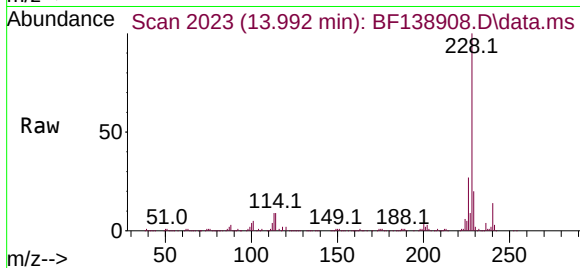
Tgt Ion:228 Resp: 261757

Ion Ratio Lower Upper

228 100

226 27.2 22.1 33.1

229 19.7 15.4 23.0



#82

3,3'-Dichlorobenzidine

Concen: 65.358 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

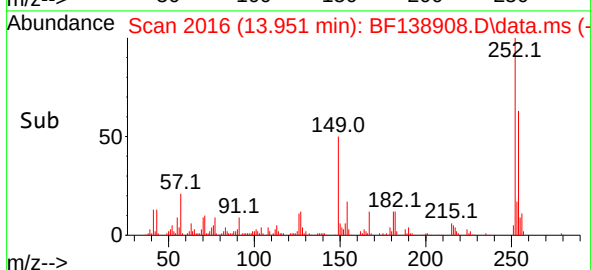
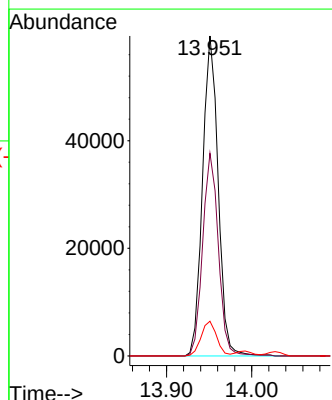
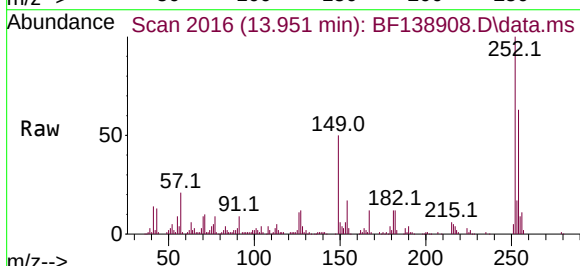
Tgt Ion:252 Resp: 75683

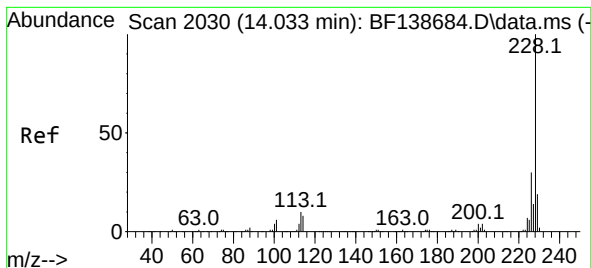
Ion Ratio Lower Upper

252 100

254 63.3 50.8 76.2

126 10.9 10.2 15.2





#83

Chrysene

Concen: 57.627 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

Instrument :

BNA_F

ClientSampleId :

TOPSOILMSD

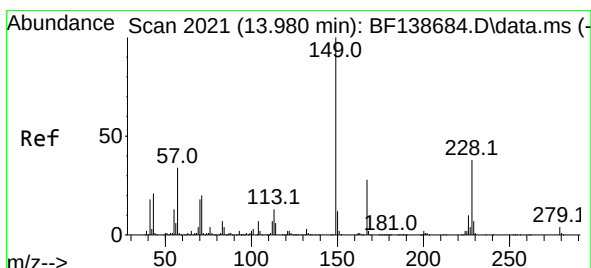
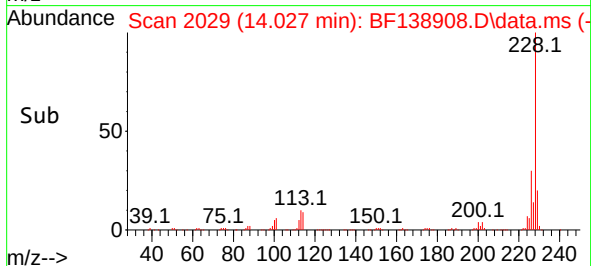
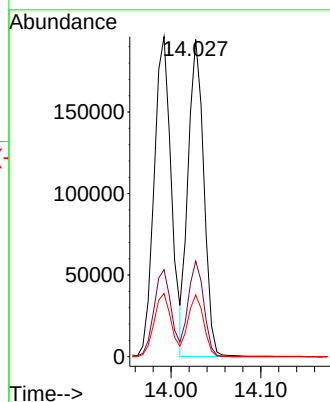
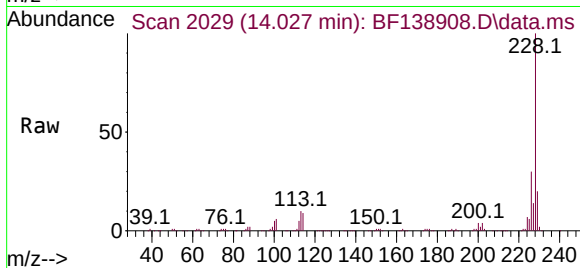
Tgt Ion:228 Resp: 235260

Ion Ratio Lower Upper

228 100

226 30.2 23.7 35.5

229 19.5 15.0 22.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 58.511 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.018 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

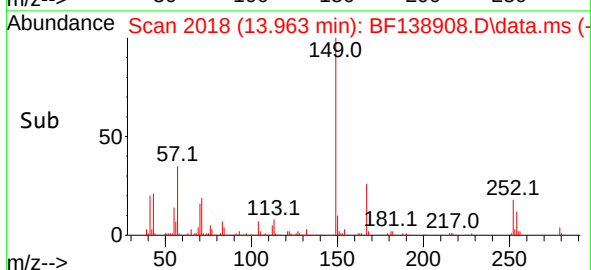
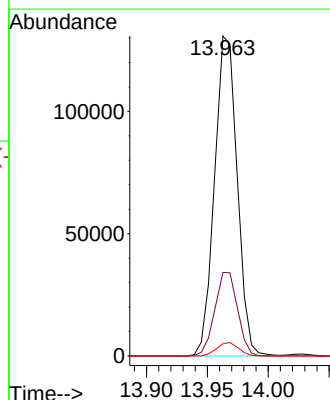
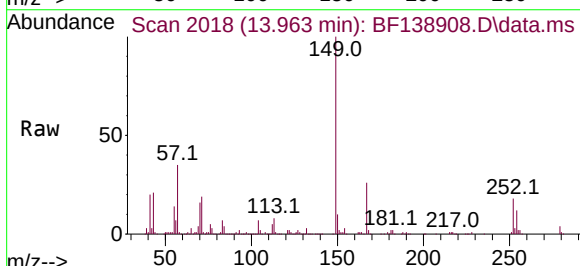
Tgt Ion:149 Resp: 169753

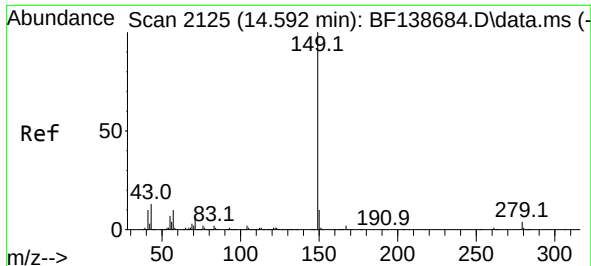
Ion Ratio Lower Upper

149 100

167 26.1 22.2 33.4

279 3.8 3.4 5.0

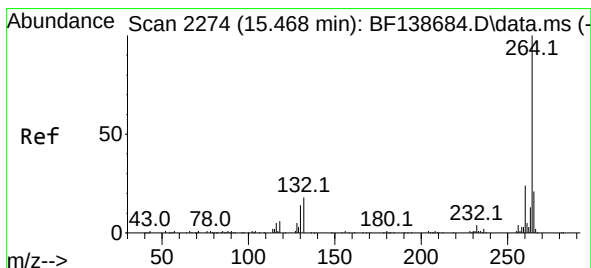
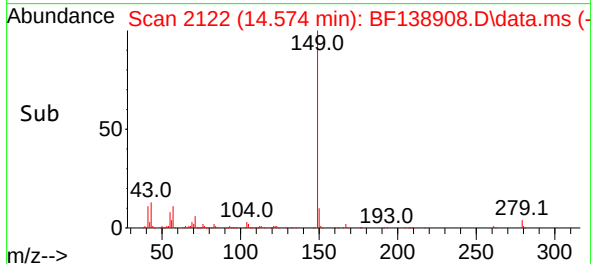
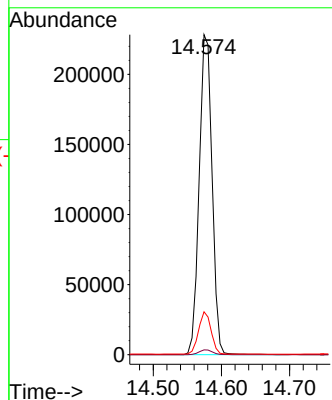
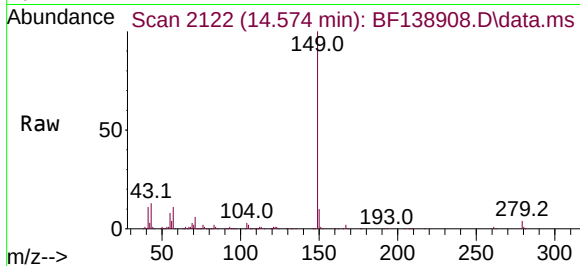




#85
Di-n-octyl phthalate
Concen: 55.930 ng
RT: 14.574 min Scan# 2125
Delta R.T. -0.018 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

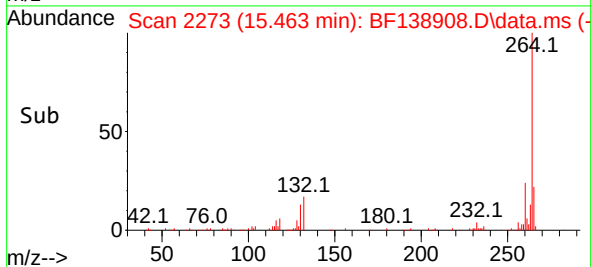
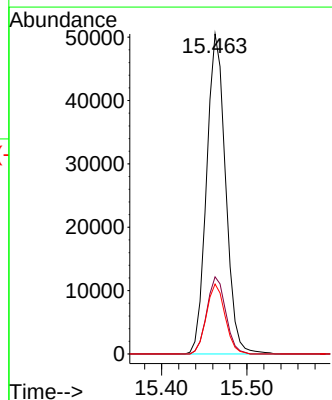
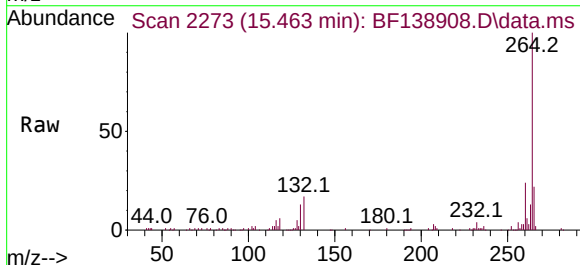
Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

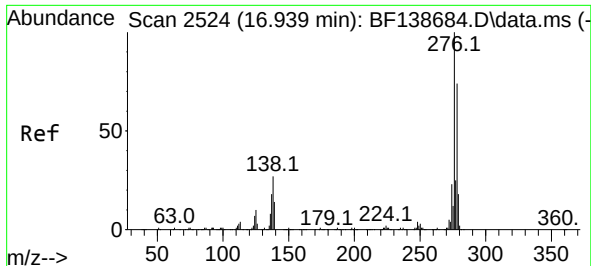
Tgt Ion:149 Resp: 300217
Ion Ratio Lower Upper
149 100
167 1.6 1.4 2.0
43 13.0 10.4 15.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion:264 Resp: 78199
Ion Ratio Lower Upper
264 100
260 24.1 19.0 28.6
265 21.9 17.0 25.6

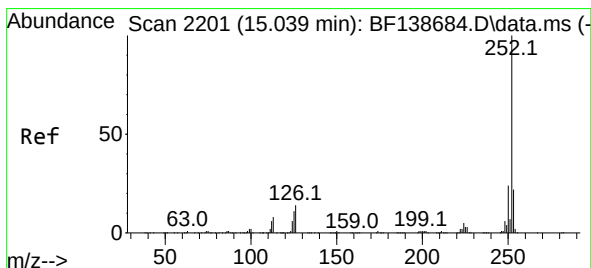
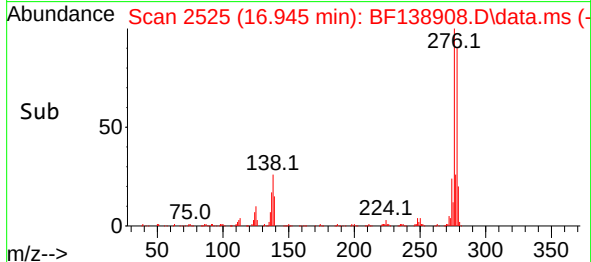
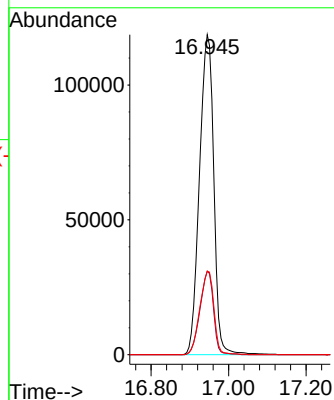
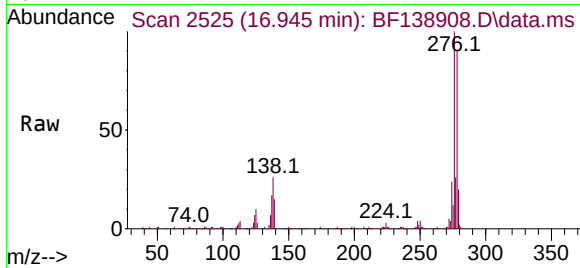




#87
Indeno(1,2,3-cd)pyrene
Concen: 54.218 ng
RT: 16.945 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

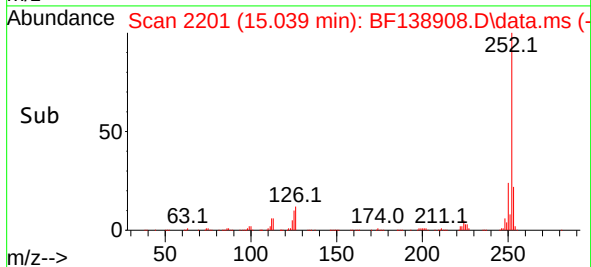
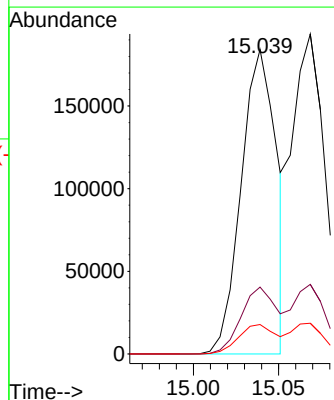
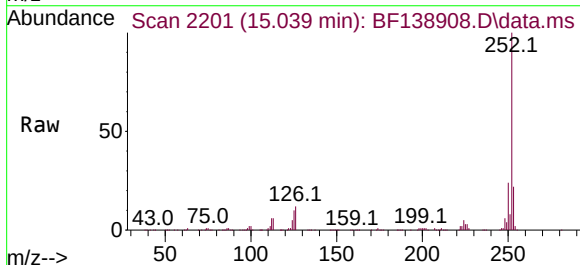
Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

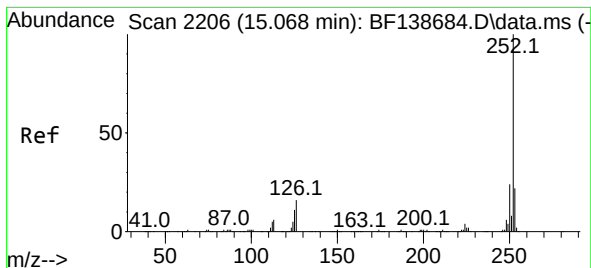
Tgt Ion:276 Resp: 303838
Ion Ratio Lower Upper
276 100
138 24.5 21.8 32.8
277 25.7 20.6 30.8



#88
Benzo(b)fluoranthene
Concen: 54.707 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion:252 Resp: 265194
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 9.7 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 62.052 ng

RT: 15.069 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

Instrument :

BNA_F

ClientSampleId :

TOPSOILMSD

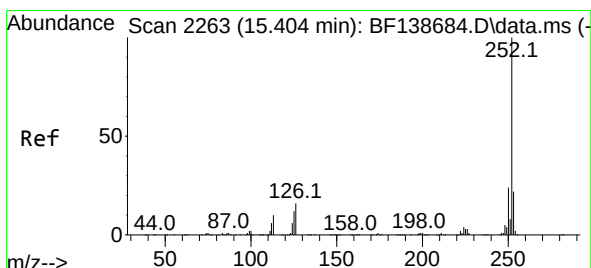
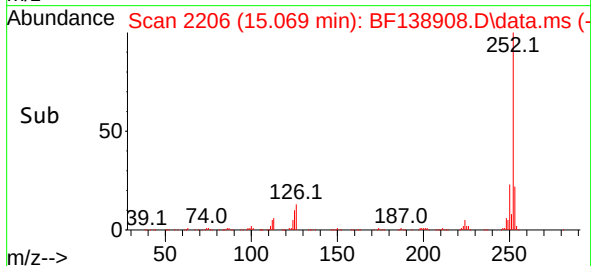
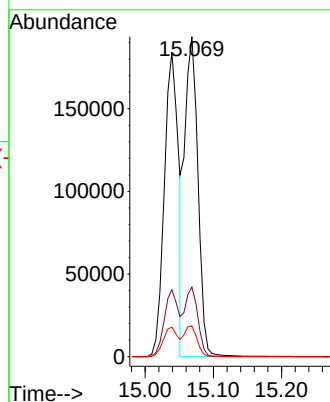
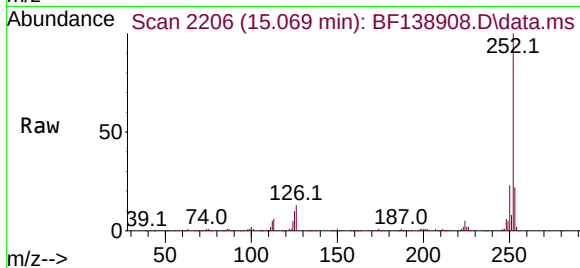
Tgt Ion:252 Resp: 260439

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

125 9.6 8.6 13.0



#90

Benzo(a)pyrene

Concen: 61.706 ng

RT: 15.404 min Scan# 2263

Delta R.T. 0.000 min

Lab File: BF138908.D

Acq: 10 Aug 2024 14:17

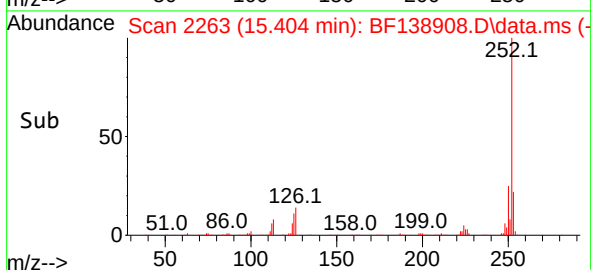
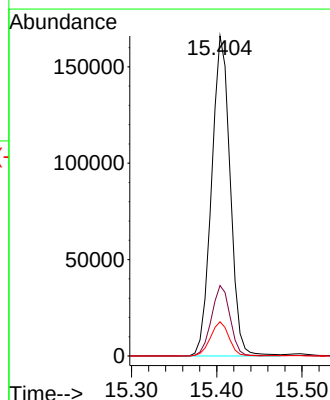
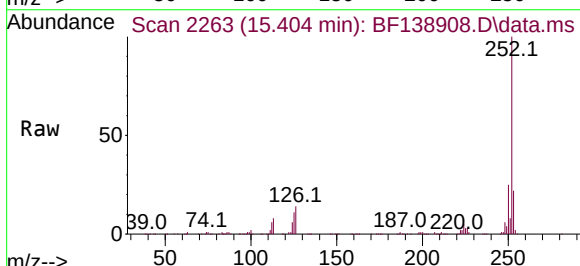
Tgt Ion:252 Resp: 251607

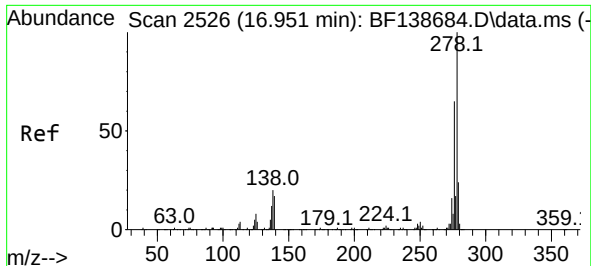
Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 10.7 9.5 14.3



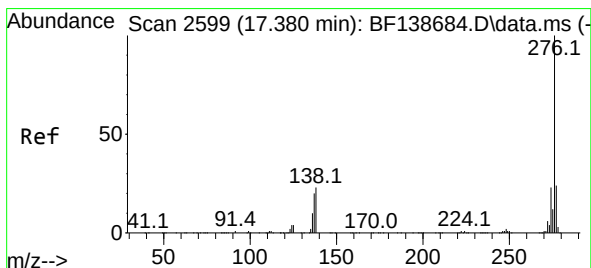
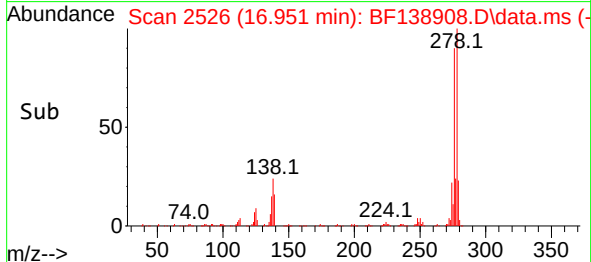
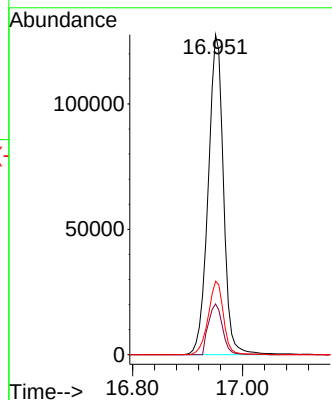
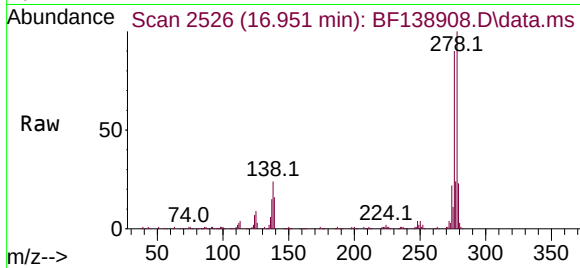


#91
Dibenzo(a,h)anthracene
Concen: 53.557 ng
RT: 16.951 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Instrument :
BNA_F
ClientSampleId :
TOPSOILMSD

Tgt Ion:278 Resp: 246371

Ion	Ratio	Lower	Upper
278	100		
139	15.9	14.0	21.0
279	22.9	19.0	28.4



#92
Benzo(g,h,i)perylene
Concen: 46.378 ng
RT: 17.386 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF138908.D
Acq: 10 Aug 2024 14:17

Tgt Ion:276 Resp: 221389

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.0	28.4
138	20.2	18.5	27.7

