

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080624\
 Data File : BF138824.D
 Acq On : 07 Aug 2024 00:30
 Operator : RC/JU
 Sample : P3352-02MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Quant Time: Aug 07 01:07:13 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	44102	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	177312	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	101403	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	167284	20.000	ng	0.00
76) Chrysene-d12	14.004	240	82642	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	88651	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	423375	148.189	ng	0.02
7) Phenol-d6	6.493	99	549375	143.223	ng	0.00
23) Nitrobenzene-d5	7.410	82	389554	107.414	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	143764	173.079	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	726441	107.637	ng	0.00
79) Terphenyl-d14	12.945	244	619616	125.530	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.828	88	54735	43.760	ng	# 78
3) Pyridine	3.546	79	120741	39.849	ng	97
4) n-Nitrosodimethylamine	3.469	42	110547	61.258	ng	88
6) Aniline	6.510	93	119751	35.006	ng	# 1
8) 2-Chlorophenol	6.634	128	182998	60.880	ng	97
10) Phenol	6.510	94	226967	56.199	ng	92
11) bis(2-Chloroethyl)ether	6.581	93	174007	55.989	ng	97
12) 1,3-Dichlorobenzene	6.781	146	182119	54.126	ng	99
13) 1,4-Dichlorobenzene	6.857	146	187677	55.270	ng	98
14) 1,2-Dichlorobenzene	7.010	146	179865	56.678	ng	100
15) Benzyl Alcohol	6.993	79	178557	64.586	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.110	45	274095	51.247	ng	# 46
17) 2-Methylphenol	7.110	107	149887	60.387	ng	# 87
18) Hexachloroethane	7.345	117	71553	55.980	ng	98
19) n-Nitroso-di-n-propyla...	7.263	70	144739	62.475	ng	97
20) 3+4-Methylphenols	7.263	107	200460	62.946	ng	# 81
22) Acetophenone	7.257	105	249743	57.525	ng	98
24) Nitrobenzene	7.428	77	208366	56.462	ng	99
25) Isophorone	7.669	82	379986	61.361	ng	99
26) 2-Nitrophenol	7.745	139	97831	61.617	ng	98
27) 2,4-Dimethylphenol	7.787	122	130668	68.785	ng	99
28) bis(2-Chloroethoxy)met...	7.875	93	221276	58.676	ng	99
29) 2,4-Dichlorophenol	7.987	162	156789	64.230	ng	98
30) 1,2,4-Trichlorobenzene	8.063	180	163478	58.032	ng	98
31) Naphthalene	8.145	128	546411	58.545	ng	100
32) Benzoic acid	7.934	122	69712	46.684	ng	98
33) 4-Chloroaniline	8.192	127	73672	23.515	ng	98
34) Hexachlorobutadiene	8.251	225	97876	57.363	ng	99
35) Caprolactam	8.592	113	19983	27.435	ng	95
36) 4-Chloro-3-methylphenol	8.692	107	181585	65.090	ng	99
37) 2-Methylnaphthalene	8.834	142	366524	62.182	ng	100
38) 1-Methylnaphthalene	8.934	142	337638	58.456	ng	99
40) 1,2,4,5-Tetrachloroben...	8.998	216	156614	55.599	ng	99
41) Hexachlorocyclopentadiene	8.981	237	113488	145.927	ng	100
43) 2,4,6-Trichlorophenol	9.122	196	105435	61.390	ng	99
44) 2,4,5-Trichlorophenol	9.175	196	112376	59.852	ng	98

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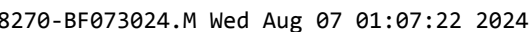
Instrument :
 BNA_F
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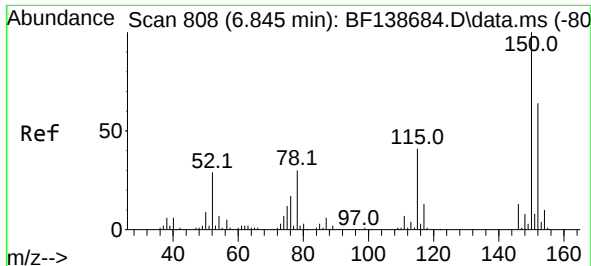
Quant Time: Aug 07 01:07:13 2024
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.298	154	441856	55.637	ng	99
47) 2-Chloronaphthalene	9.328	162	342457	57.979	ng	99
48) 2-Nitroaniline	9.428	65	122809	61.332	ng	99
49) Acenaphthylene	9.739	152	541774	64.672	ng	99
50) Dimethylphthalate	9.604	163	414442	63.919	ng	100
51) 2,6-Dinitrotoluene	9.669	165	91033	62.211	ng	92
52) Acenaphthene	9.910	154	332952	59.125	ng	99
53) 3-Nitroaniline	9.839	138	59208	39.141	ng	100
54) 2,4-Dinitrophenol	9.957	184	84077	124.818	ng	89
55) Dibenzofuran	10.086	168	485932	61.130	ng	99
56) 4-Nitrophenol	10.022	139	91915	101.043	ng	97
57) 2,4-Dinitrotoluene	10.081	165	118622	63.539	ng	# 85
58) Fluorene	10.428	166	396307	62.606	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.210	232	97833	68.156	ng	98
60) Diethylphthalate	10.298	149	400175	65.092	ng	100
61) 4-Chlorophenyl-phenyle...	10.416	204	194343	62.423	ng	98
62) 4-Nitroaniline	10.463	138	86137	59.920	ng	92
63) Azobenzene	10.575	77	418850	61.428	ng	98
65) 4,6-Dinitro-2-methylph...	10.492	198	63837	62.550	ng	98
66) n-Nitrosodiphenylamine	10.539	169	336733	64.398	ng	100
67) 4-Bromophenyl-phenylether	10.904	248	112691	62.220	ng	99
68) Hexachlorobenzene	10.975	284	115057	61.526	ng	97
69) Atrazine	11.069	200	91214	67.612	ng	99
70) Pentachlorophenol	11.175	266	100169	118.838	ng	98
71) Phenanthrene	11.392	178	543679	63.117	ng	100
72) Anthracene	11.439	178	554869	65.388	ng	100
73) Carbazole	11.598	167	455669	62.241	ng	99
74) Di-n-butylphthalate	11.916	149	590397	71.736	ng	100
75) Fluoranthene	12.575	202	482920	60.054	ng	99
77) Benzidine	12.698	184	14834	7.505	ng	98
78) Pyrene	12.804	202	474206	60.944	ng	99
80) Butylbenzylphthalate	13.416	149	178082	71.470	ng	96
81) Benzo(a)anthracene	13.992	228	368291	64.716	ng	99
82) 3,3'-Dichlorobenzidine	13.951	252	78087	53.619	ng	98
83) Chrysene	14.027	228	326184	63.531	ng	100
84) Bis(2-ethylhexyl)phtha...	13.969	149	232366	63.685	ng	100
85) Di-n-octyl phthalate	14.580	149	382944	56.727	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	365969	57.605	ng	96
88) Benzo(b)fluoranthene	15.039	252	348835	63.477	ng	97
89) Benzo(k)fluoranthene	15.068	252	319929	67.239	ng	98
90) Benzo(a)pyrene	15.404	252	312331	67.568	ng	98
91) Dibenzo(a,h)anthracene	16.951	278	299504	57.431	ng	98
92) Benzo(g,h,i)perylene	17.380	276	267877	49.500	ng	96

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

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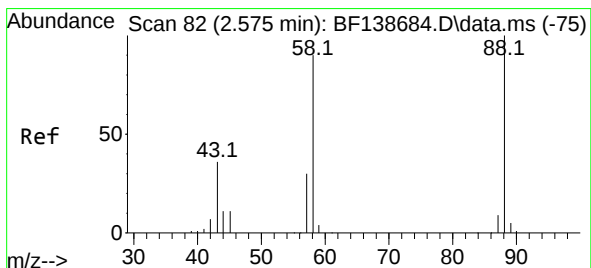
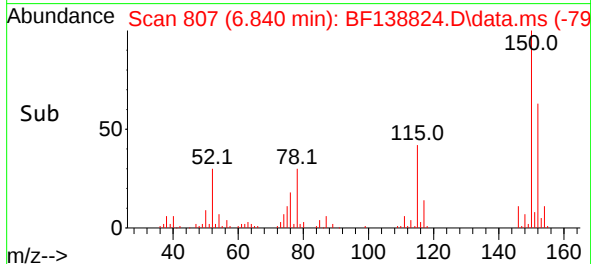
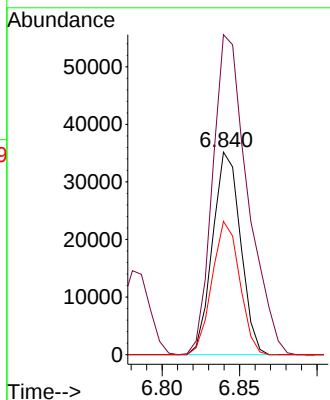
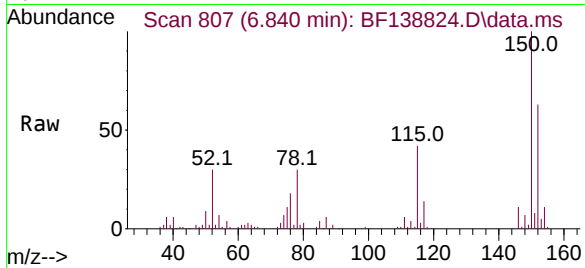




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

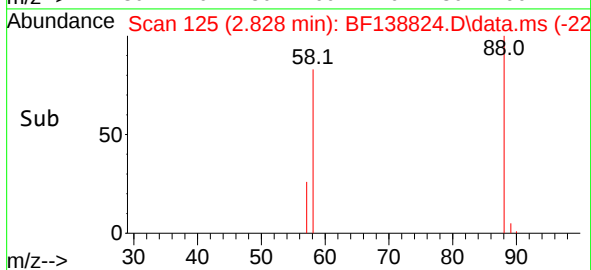
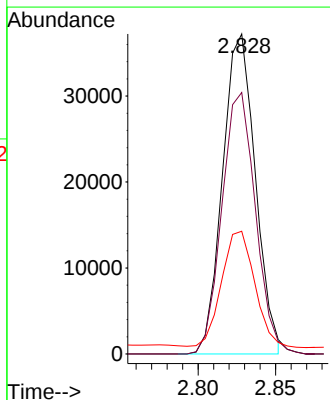
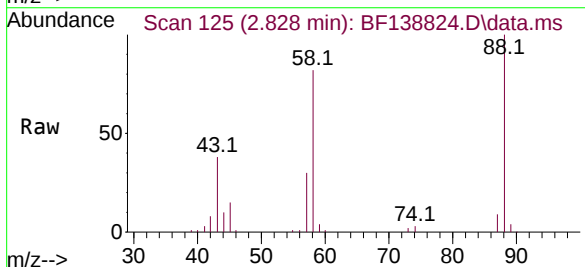
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

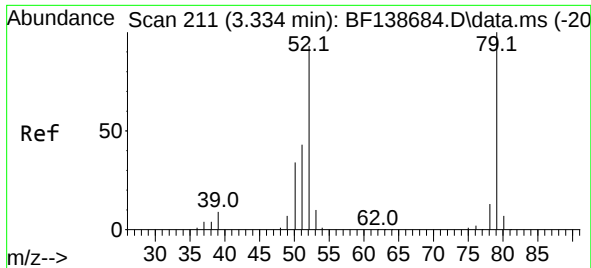
Tgt Ion:152 Resp: 44102
Ion Ratio Lower Upper
152 100
150 157.9 126.0 189.0
115 65.8 51.7 77.5



#2
1,4-Dioxane
Concen: 43.760 ng
RT: 2.828 min Scan# 125
Delta R.T. 0.253 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

Tgt Ion: 88 Resp: 54735
Ion Ratio Lower Upper
88 100
58 83.3 71.6 107.4
43 0.0 28.7 43.1#





#3

Pyridine

Concen: 39.849 ng

RT: 3.546 min Scan# 247

Delta R.T. 0.212 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

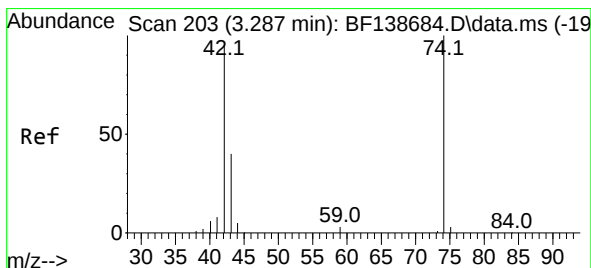
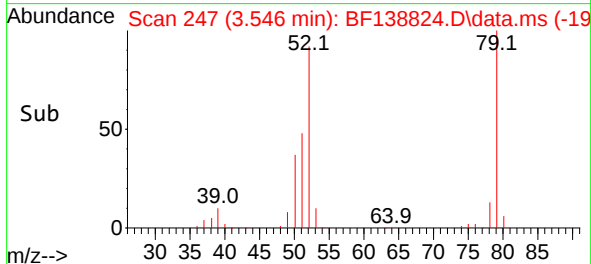
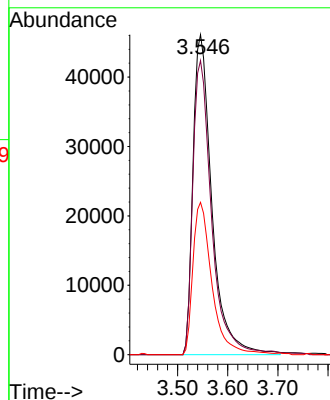
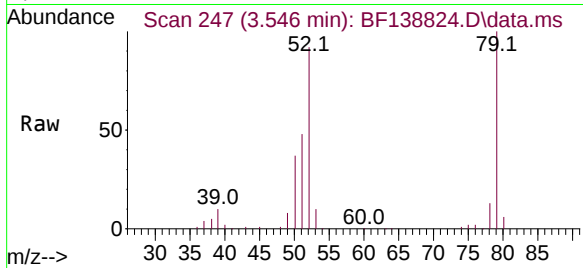
Tgt Ion: 79 Resp: 120741

Ion Ratio Lower Upper

79 100

52 91.9 74.7 112.1

51 47.6 34.6 51.8



#4

n-Nitrosodimethylamine

Concen: 61.258 ng

RT: 3.469 min Scan# 234

Delta R.T. 0.182 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

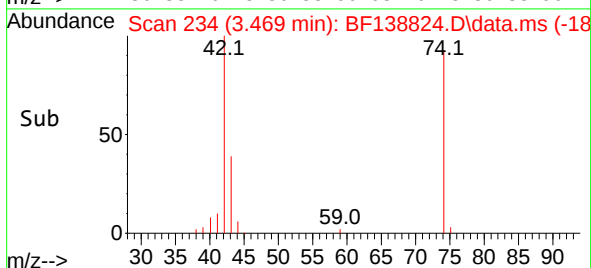
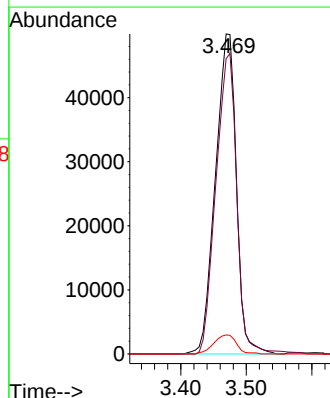
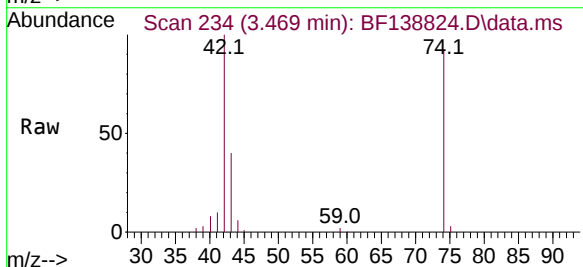
Tgt Ion: 42 Resp: 110547

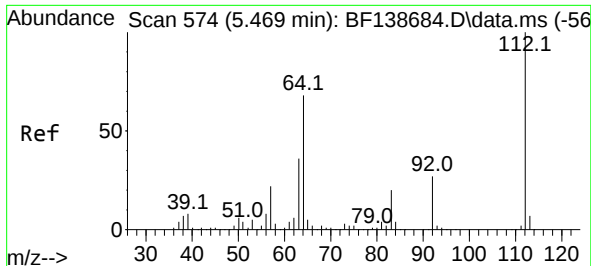
Ion Ratio Lower Upper

42 100

74 92.2 84.2 126.4

44 5.9 4.9 7.3

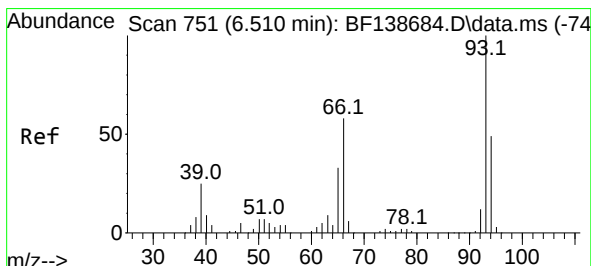
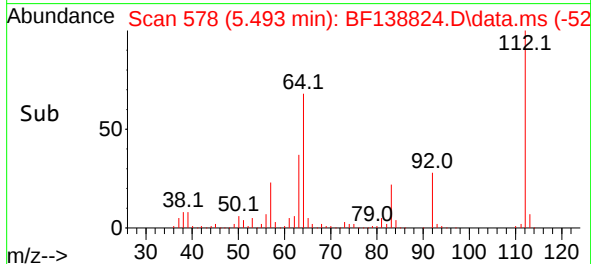
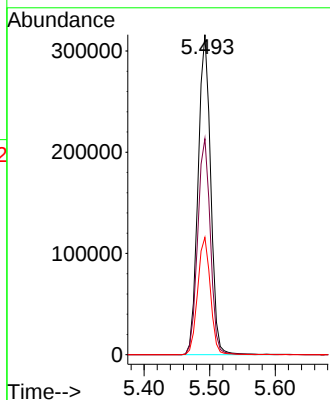
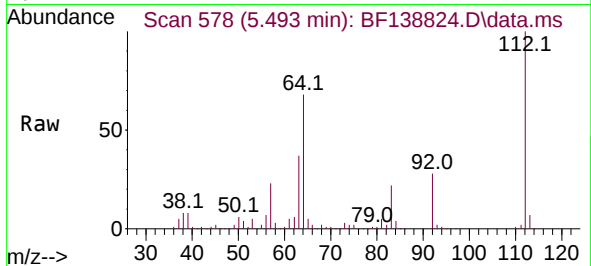




#5
2-Fluorophenol
Concen: 148.189 ng
RT: 5.493 min Scan# 51
Delta R.T. 0.024 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

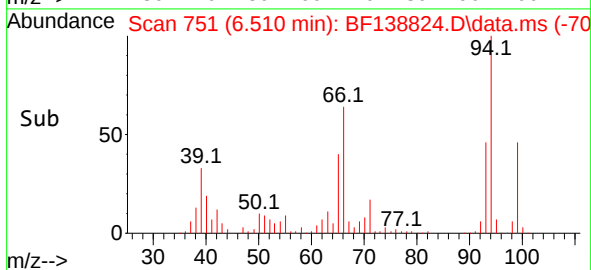
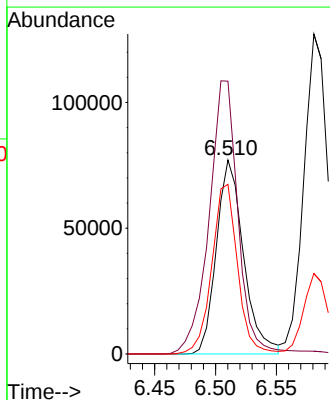
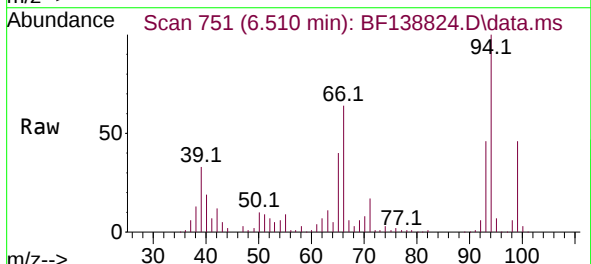
Instrument :
BNA_F
ClientSampleId :
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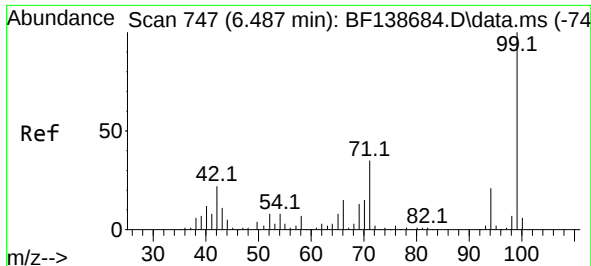
Tgt Ion:112 Resp: 423375
Ion Ratio Lower Upper
112 100
64 67.5 54.2 81.4
63 36.6 28.7 43.1



#6
Aniline
Concen: 35.006 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

Tgt Ion: 93 Resp: 119751
Ion Ratio Lower Upper
93 100
66 140.7 46.9 70.3#
65 87.4 26.5 39.7#





#7

Phenol-d6

Concen: 143.223 ng

RT: 6.493 min Scan# 747

Delta R.T. 0.006 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

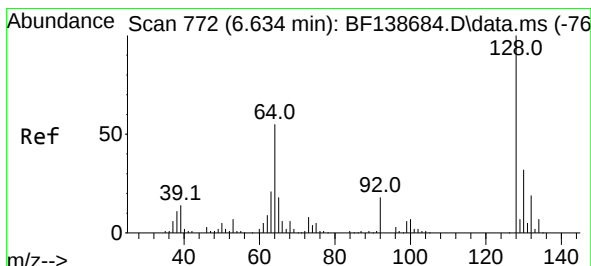
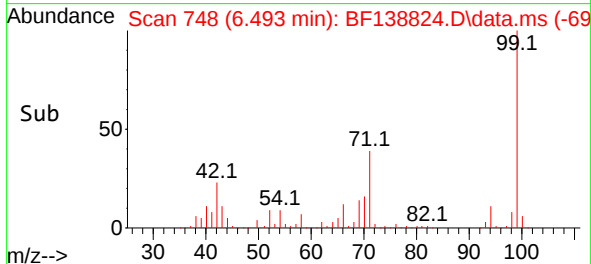
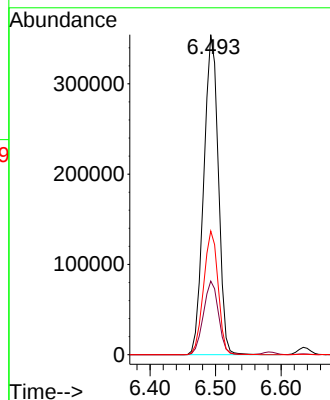
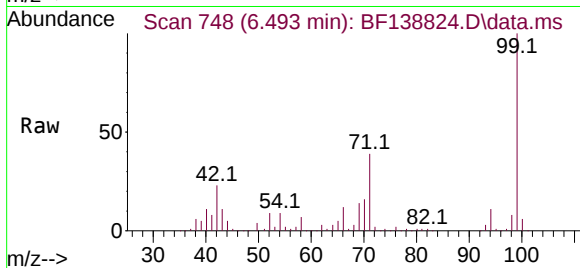
Tgt Ion: 99 Resp: 549375

Ion Ratio Lower Upper

99 100

42 23.0 17.4 26.0

71 38.7 28.1 42.1



#8

2-Chlorophenol

Concen: 60.880 ng

RT: 6.634 min Scan# 772

Delta R.T. 0.000 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

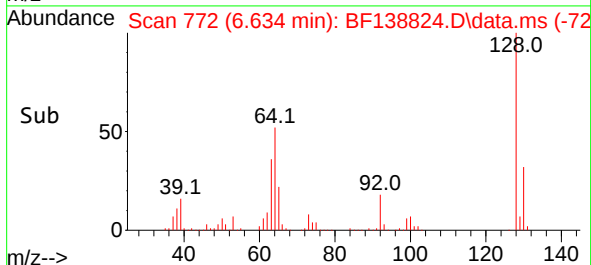
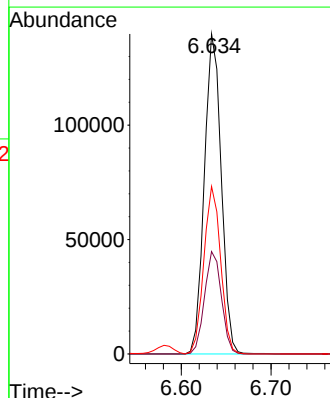
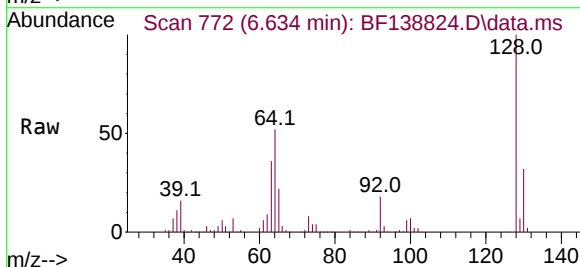
Tgt Ion:128 Resp: 182998

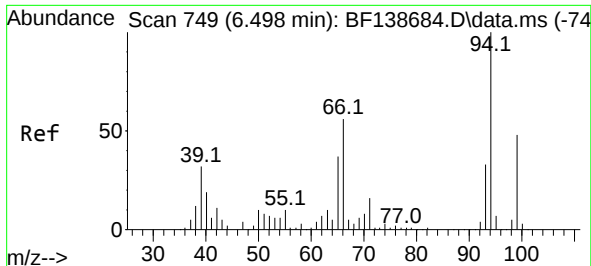
Ion Ratio Lower Upper

128 100

130 32.0 12.0 52.0

64 52.3 36.3 76.3





#10

Phenol

Concen: 56.199 ng

RT: 6.510 min Scan# 710

Delta R.T. 0.012 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

Instrument :

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ClientSampleId :

SOIL-COMPMS

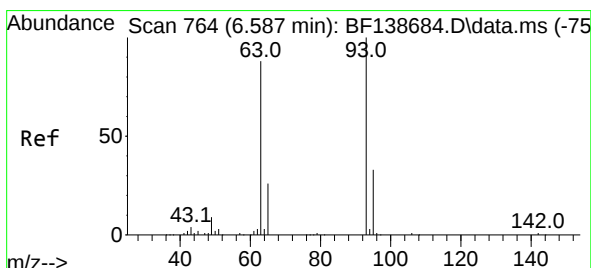
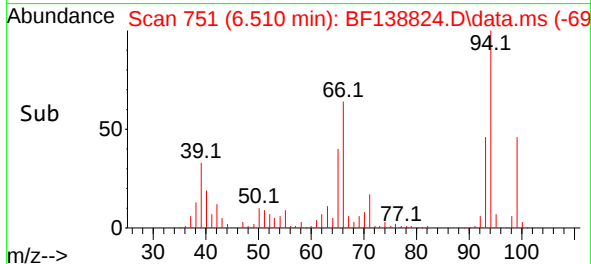
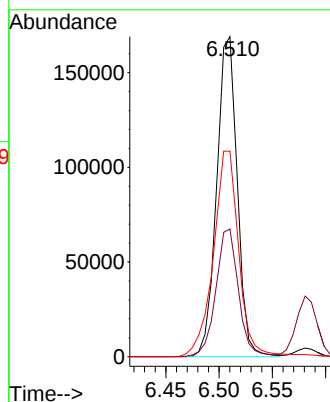
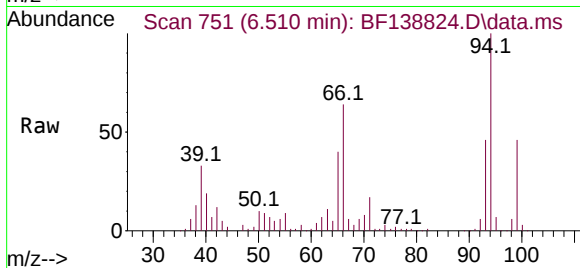
Tgt Ion: 94 Resp: 226967

Ion Ratio Lower Upper

94 100

65 39.9 16.9 56.9

66 64.2 36.5 76.5



#11

bis(2-Chloroethyl)ether

Concen: 55.989 ng

RT: 6.581 min Scan# 763

Delta R.T. -0.006 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

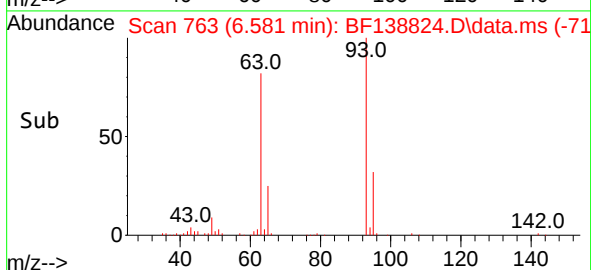
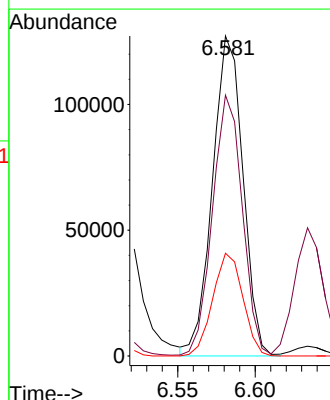
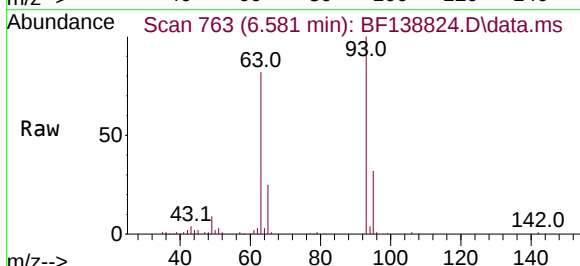
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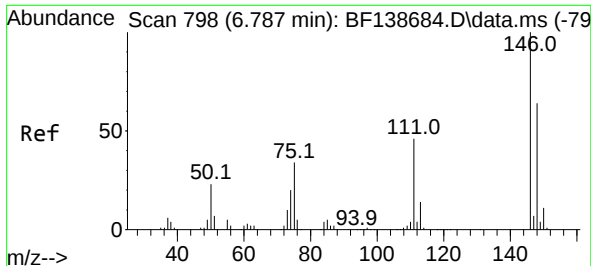
Ion Ratio Lower Upper

93 100

63 81.5 65.3 105.3

95 32.1 12.4 52.4





#12

1,3-Dichlorobenzene

Concen: 54.126 ng

RT: 6.781 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

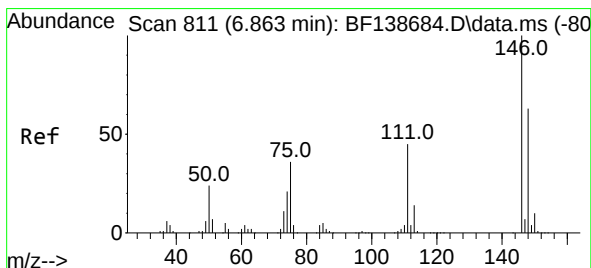
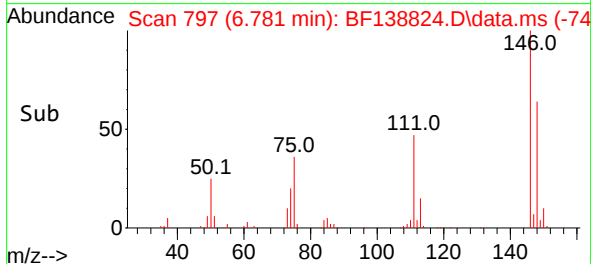
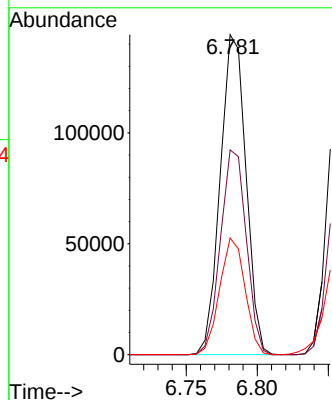
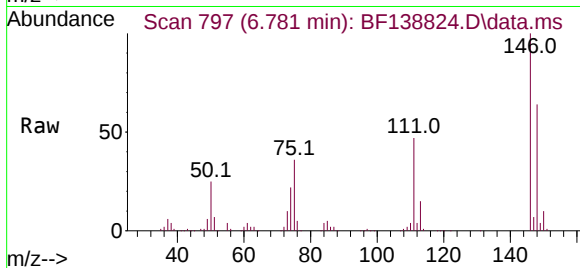
Tgt Ion:146 Resp: 182119

Ion Ratio Lower Upper

146 100

148 64.0 51.2 76.8

75 36.4 27.4 41.2



#13

1,4-Dichlorobenzene

Concen: 55.270 ng

RT: 6.857 min Scan# 810

Delta R.T. -0.006 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

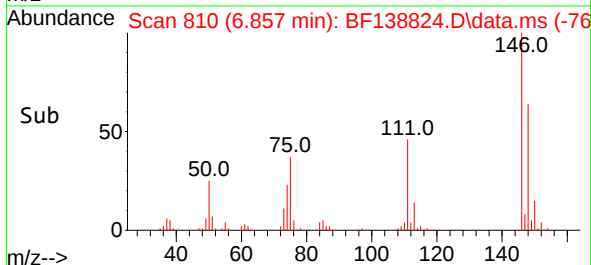
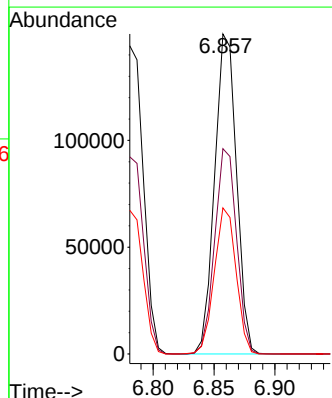
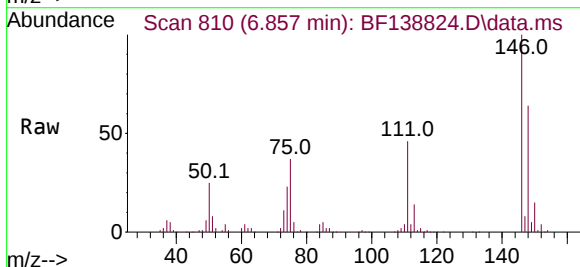
Tgt Ion:146 Resp: 187677

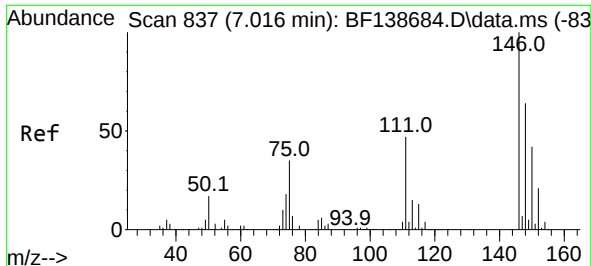
Ion Ratio Lower Upper

146 100

148 64.2 50.2 75.2

111 45.7 35.9 53.9





#14

1,2-Dichlorobenzene

Concen: 56.678 ng

RT: 7.010 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

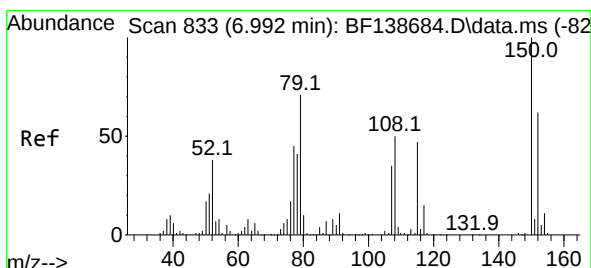
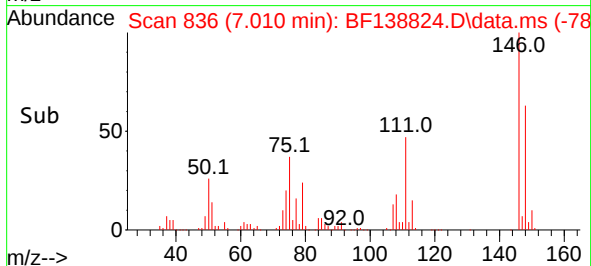
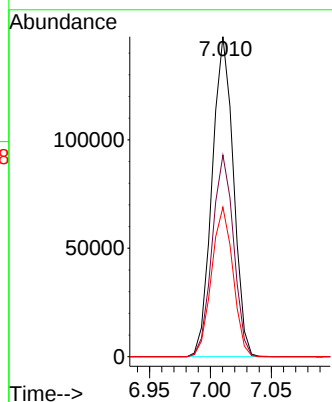
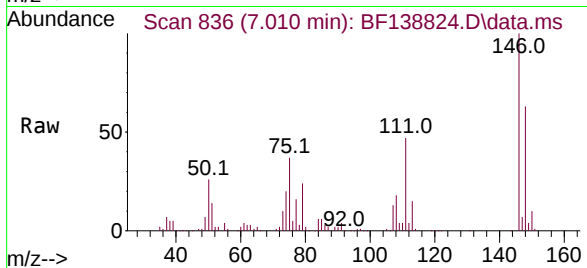
Tgt Ion:146 Resp: 179865

Ion Ratio Lower Upper

146 100

148 63.0 50.8 76.2

111 46.7 37.4 56.2



#15

Benzyl Alcohol

Concen: 64.586 ng

RT: 6.993 min Scan# 833

Delta R.T. 0.000 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

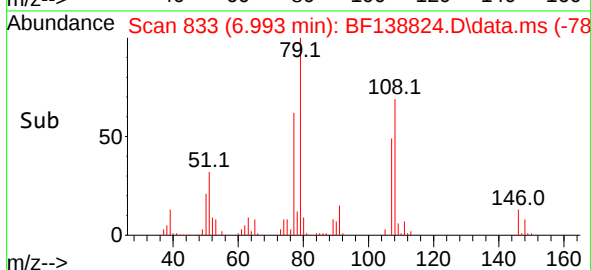
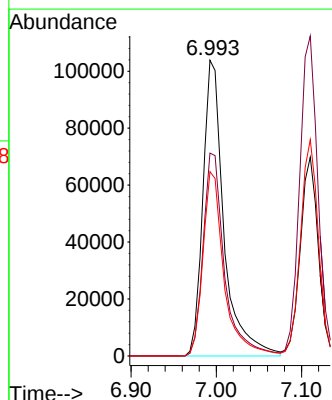
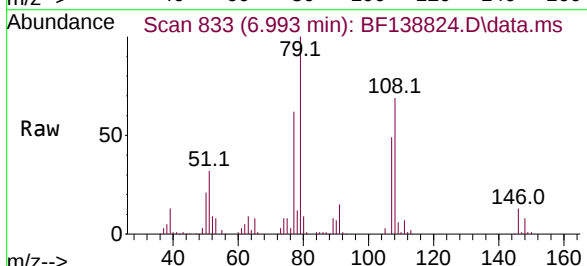
Tgt Ion: 79 Resp: 178557

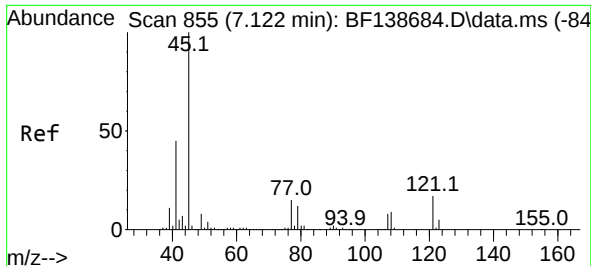
Ion Ratio Lower Upper

79 100

108 68.6 56.6 85.0

77 62.3 50.3 75.5

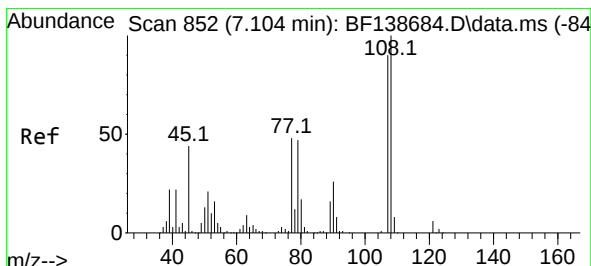
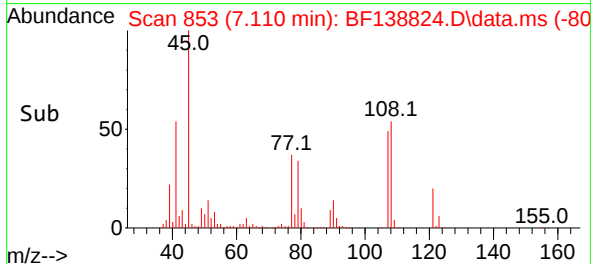
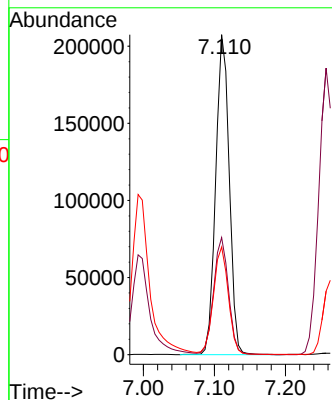
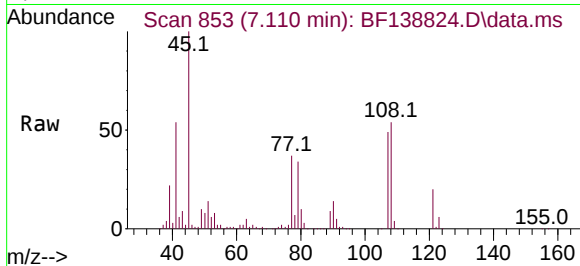




#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.247 ng
RT: 7.110 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

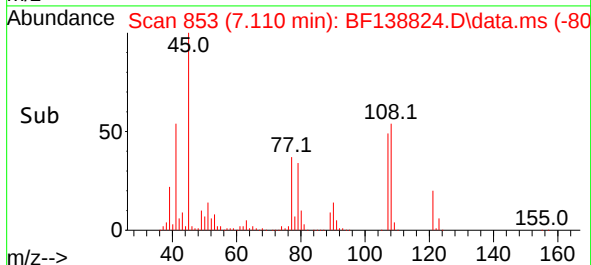
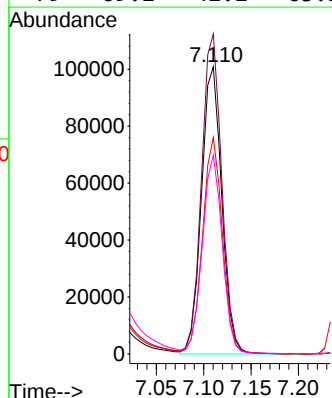
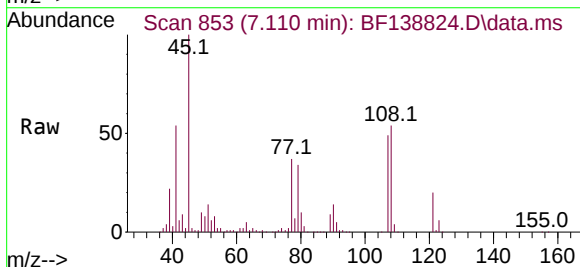
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

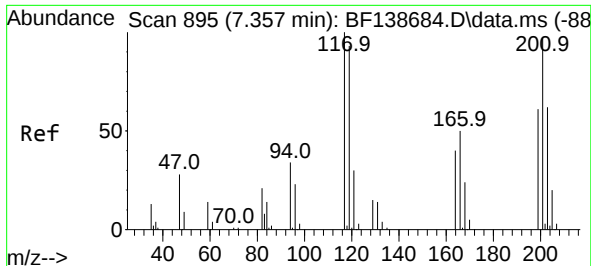
Tgt Ion: 45 Resp: 274095
Ion Ratio Lower Upper
45 100
77 36.6 0.0 34.9#
79 33.7 0.0 32.2#



#17
2-Methylphenol
Concen: 60.387 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

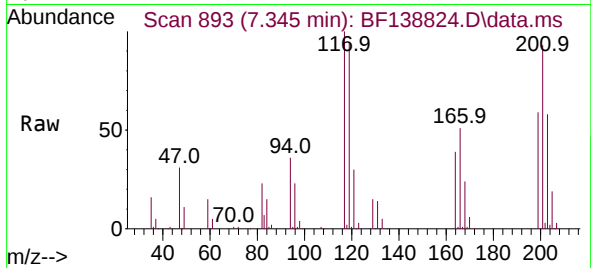
Tgt Ion:107 Resp: 149887
Ion Ratio Lower Upper
107 100
108 111.4 89.2 133.8
77 75.3 43.0 64.4#
79 69.2 42.2 63.2#



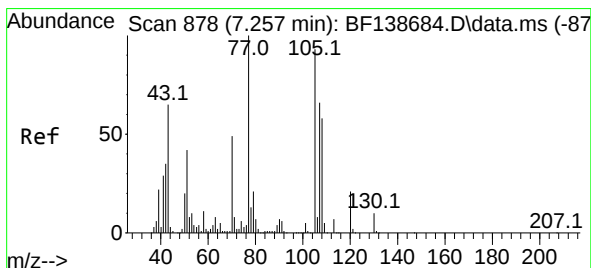
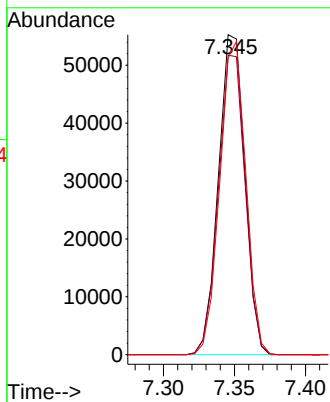
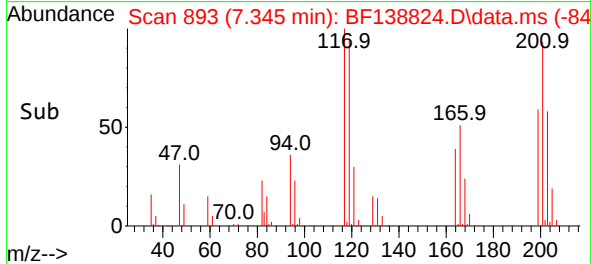


#18
Hexachloroethane
Concen: 55.980 ng
RT: 7.345 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

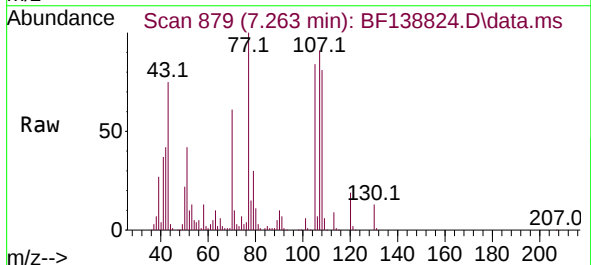
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS



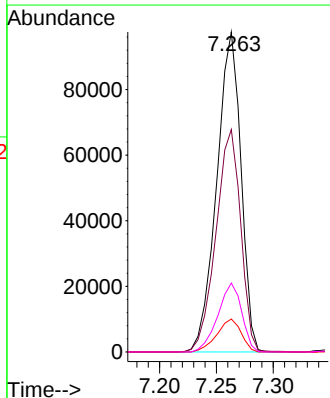
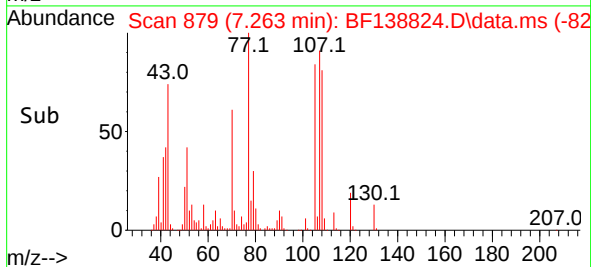
Tgt Ion:117 Resp: 71553
Ion Ratio Lower Upper
117 100
119 93.6 74.6 111.8
201 92.7 77.2 115.8

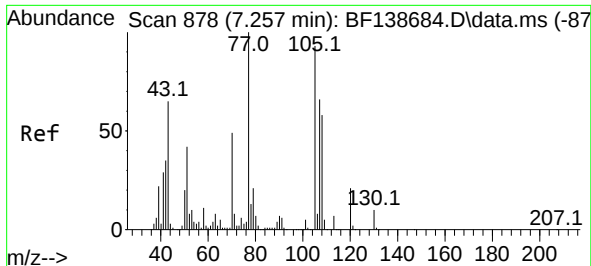


#19
n-Nitroso-di-n-propylamine
Concen: 62.475 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30



Tgt Ion: 70 Resp: 144739
Ion Ratio Lower Upper
70 100
42 69.5 57.4 86.0
101 10.3 7.5 11.3
130 21.6 16.4 24.6





#20

3+4-Methylphenols

Concen: 62.946 ng

RT: 7.263 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF138824.D

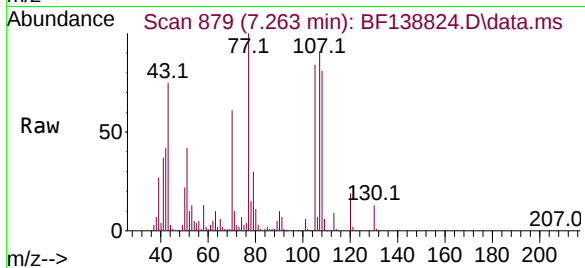
Acq: 07 Aug 2024 00:30

Instrument :

BNA_F

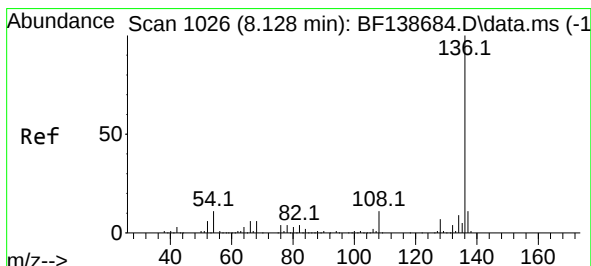
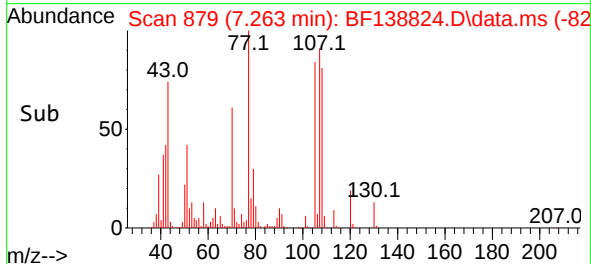
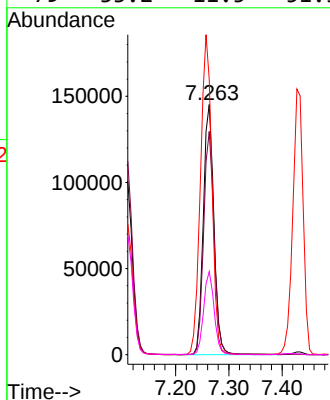
ClientSampleId :

SOIL-COMPMS



Tgt Ion:107 Resp: 200460

Ion	Ratio	Lower	Upper
107	100		
108	89.2	68.2	108.2
77	110.0	132.1	172.1#
79	33.2	11.5	51.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 1025

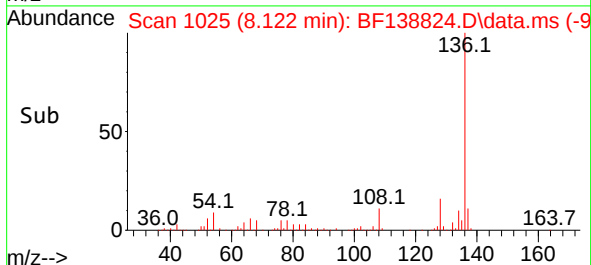
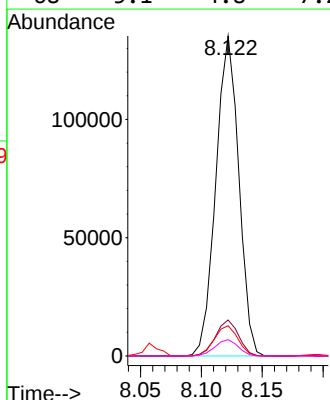
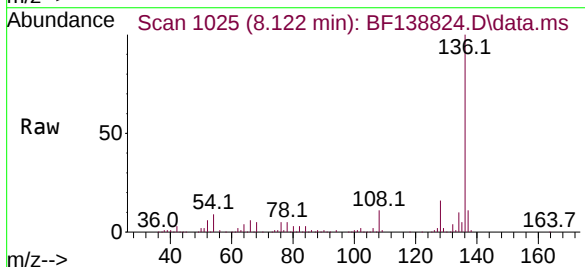
Delta R.T. -0.006 min

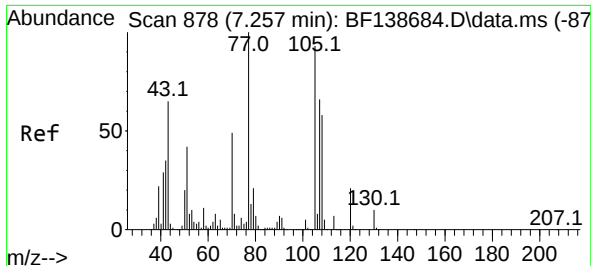
Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

Tgt Ion:136 Resp: 177312

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.5	8.6	12.8
68	5.1	4.8	7.2



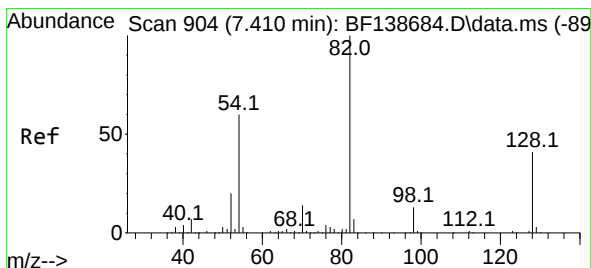
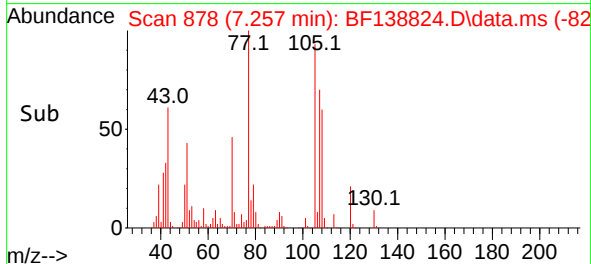
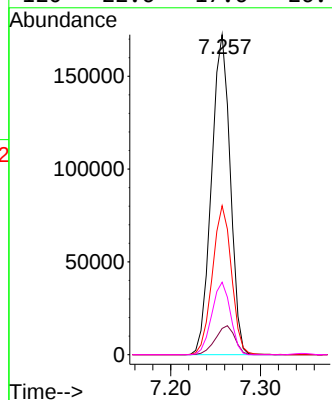
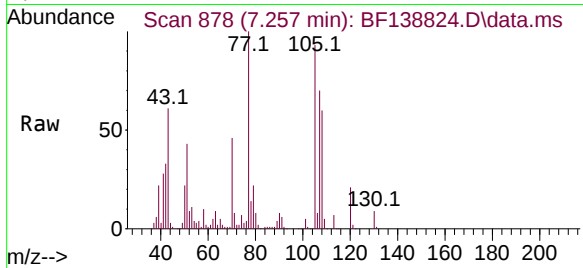


#22
Acetophenone
Concen: 57.525 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion: 105 Resp: 249743

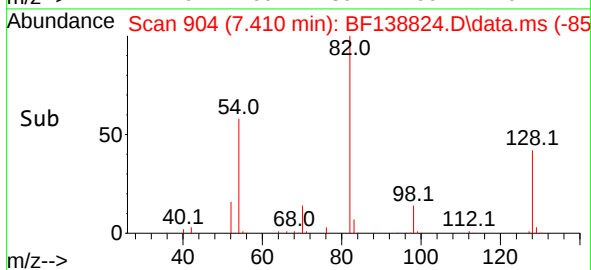
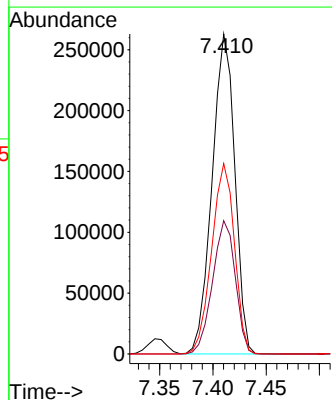
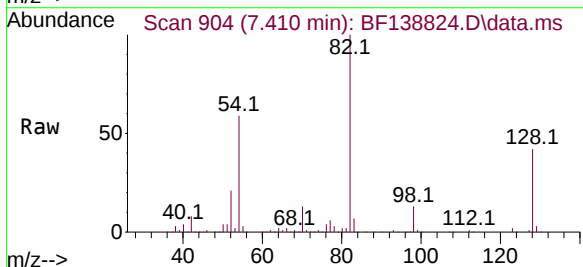
Ion	Ratio	Lower	Upper
105	100		
71	8.2	7.2	10.8
51	46.6	35.9	53.9
120	22.6	17.6	26.4

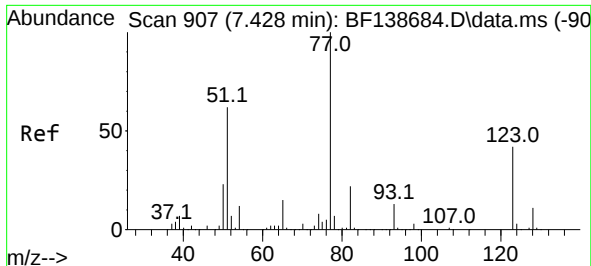


#23
Nitrobenzene-d5
Concen: 107.414 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

Tgt Ion: 82 Resp: 389554

Ion	Ratio	Lower	Upper
82	100		
128	41.6	32.8	49.2
54	59.5	48.3	72.5

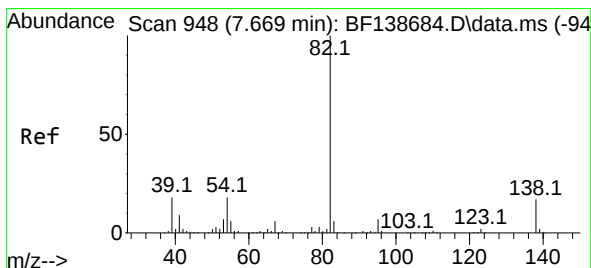
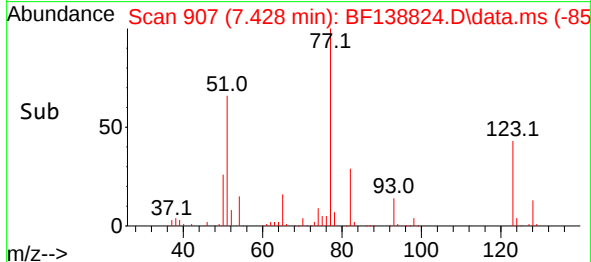
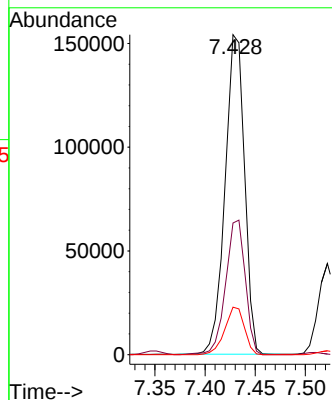
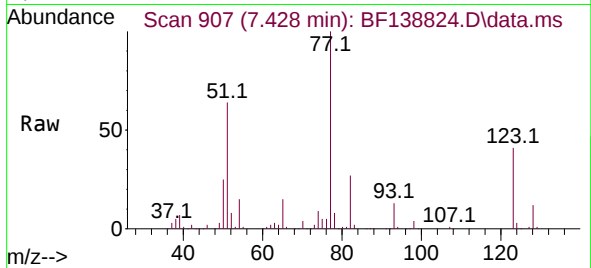




#24
Nitrobenzene
Concen: 56.462 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.000 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

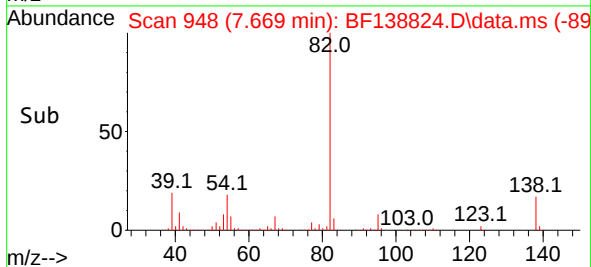
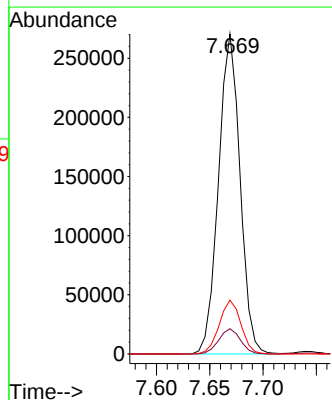
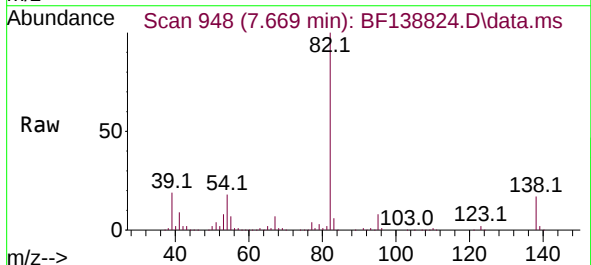
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

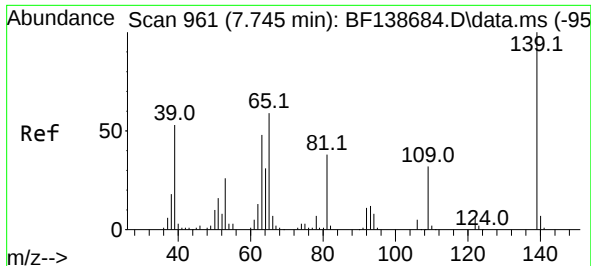
Tgt Ion: 77 Resp: 208366
Ion Ratio Lower Upper
77 100
123 41.2 33.3 49.9
65 14.8 11.9 17.9



#25
Isophorone
Concen: 61.361 ng
RT: 7.669 min Scan# 948
Delta R.T. 0.000 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

Tgt Ion: 82 Resp: 379986
Ion Ratio Lower Upper
82 100
95 7.9 5.7 8.5
138 16.8 13.7 20.5

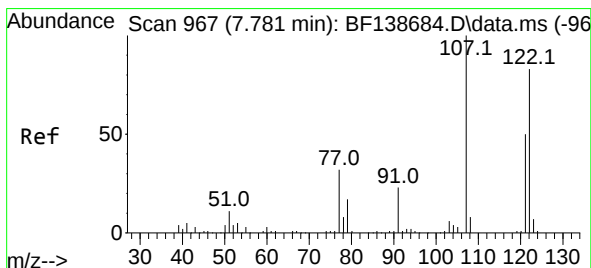
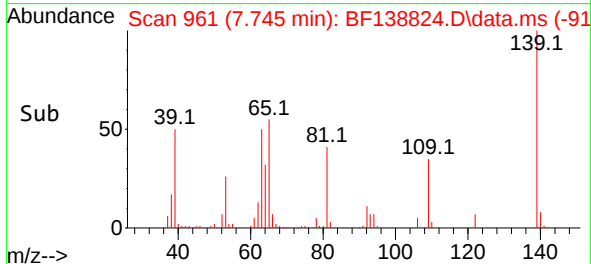
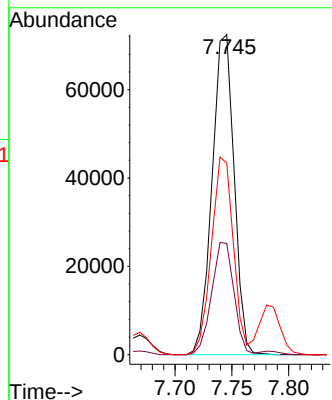
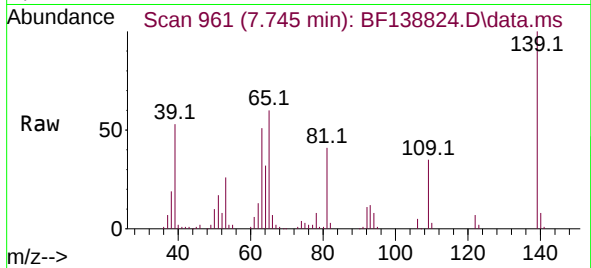




#26
2-Nitrophenol
Concen: 61.617 ng
RT: 7.745 min Scan# 961
Delta R.T. 0.000 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

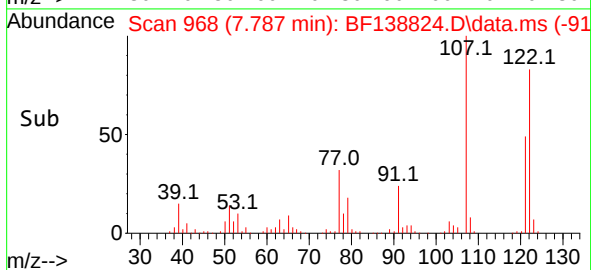
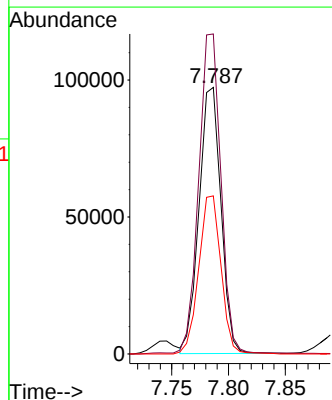
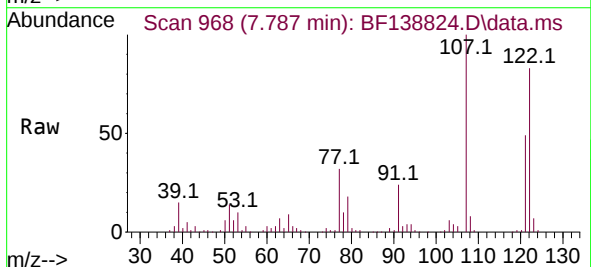
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

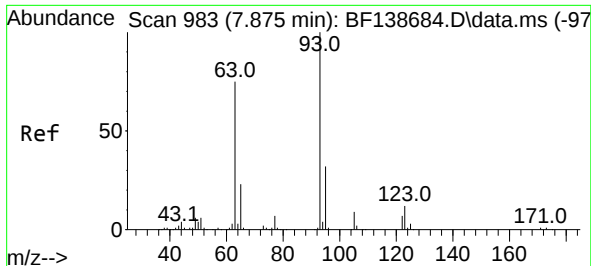
Tgt Ion:139 Resp: 97831
Ion Ratio Lower Upper
139 100
109 34.8 25.9 38.9
65 59.8 47.0 70.6



#27
2,4-Dimethylphenol
Concen: 68.785 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.006 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

Tgt Ion:122 Resp: 130668
Ion Ratio Lower Upper
122 100
107 120.1 95.0 142.6
121 59.3 47.3 70.9

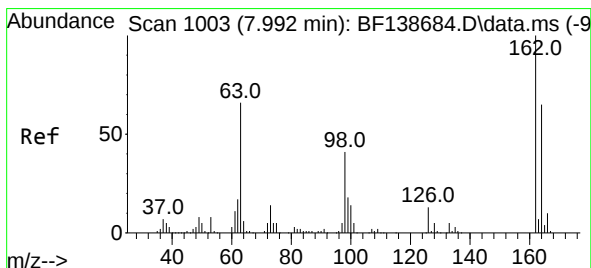
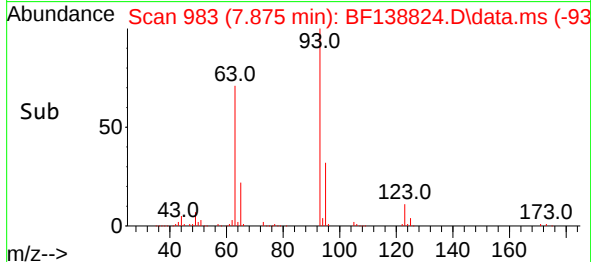
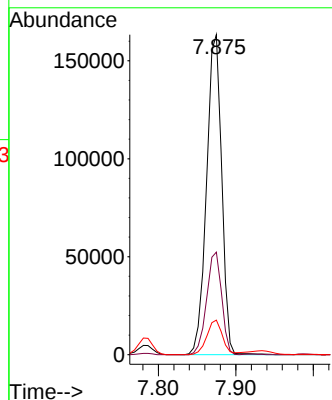
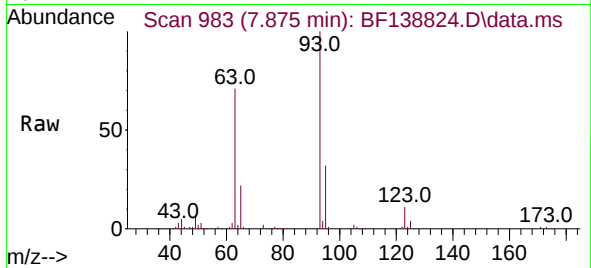




#28
bis(2-Chloroethoxy)methane
Concen: 58.676 ng
RT: 7.875 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

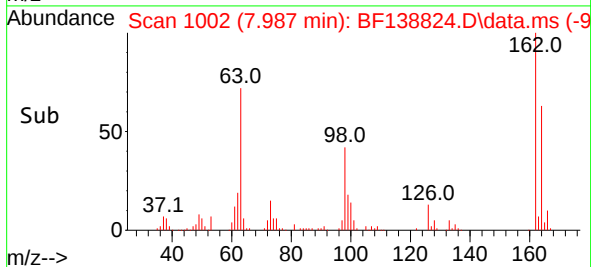
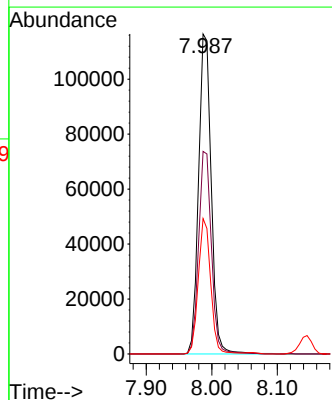
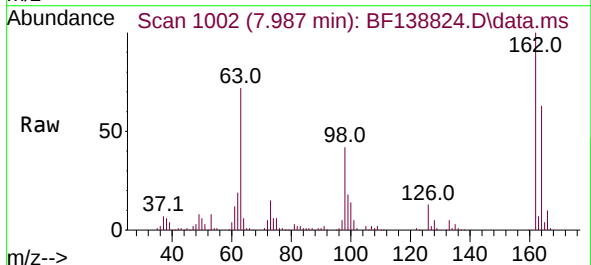
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

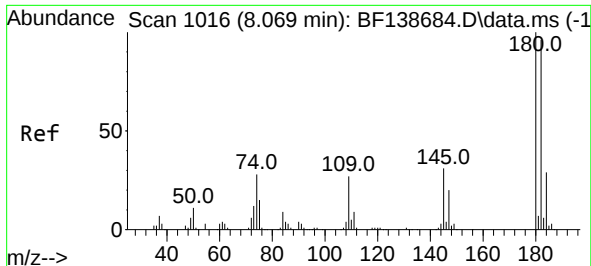
Tgt Ion: 93 Resp: 221276
Ion Ratio Lower Upper
93 100
95 32.0 25.8 38.8
123 10.8 9.4 14.0



#29
2,4-Dichlorophenol
Concen: 64.230 ng
RT: 7.987 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

Tgt Ion:162 Resp: 156789
Ion Ratio Lower Upper
162 100
164 63.3 44.7 84.7
98 42.3 20.8 60.8





#30

1,2,4-Trichlorobenzene

Concen: 58.032 ng

RT: 8.063 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

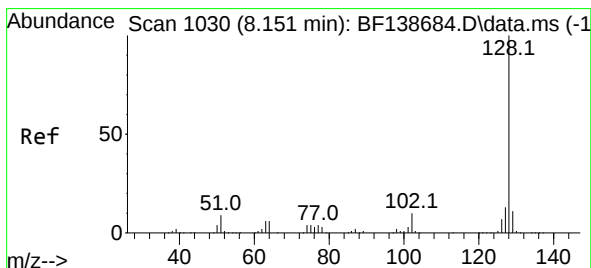
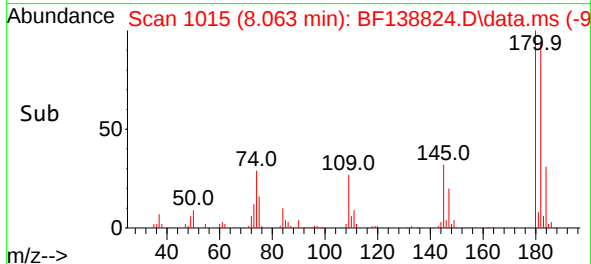
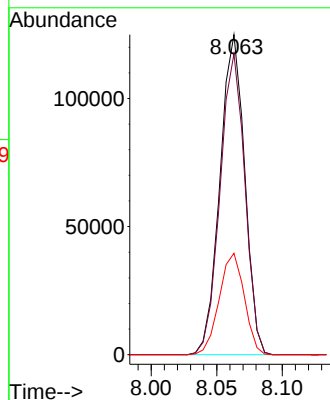
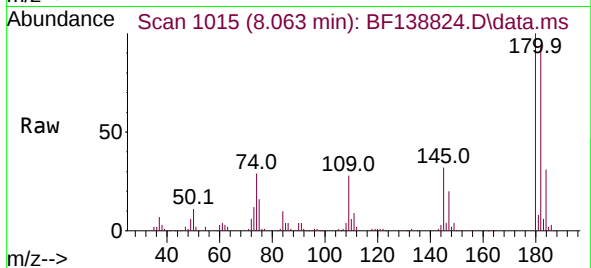
Tgt Ion:180 Resp: 163478

Ion Ratio Lower Upper

180 100

182 94.1 76.9 115.3

145 31.7 25.0 37.4



#31

Naphthalene

Concen: 58.545 ng

RT: 8.145 min Scan# 1029

Delta R.T. -0.006 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

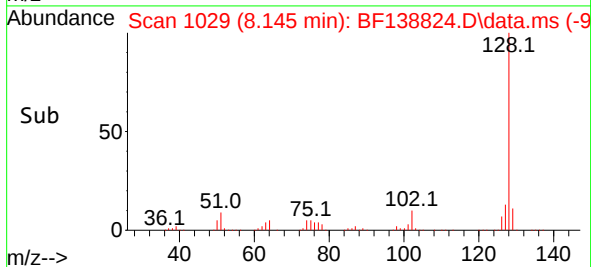
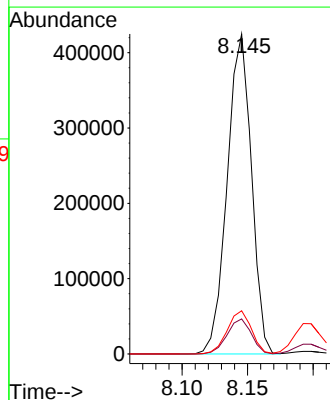
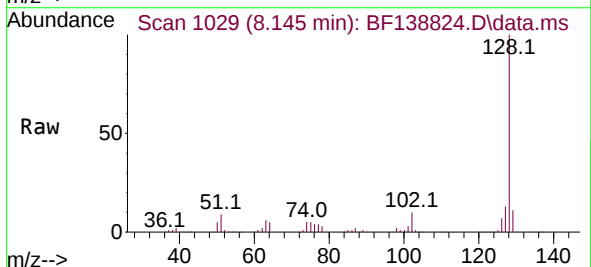
Tgt Ion:128 Resp: 546411

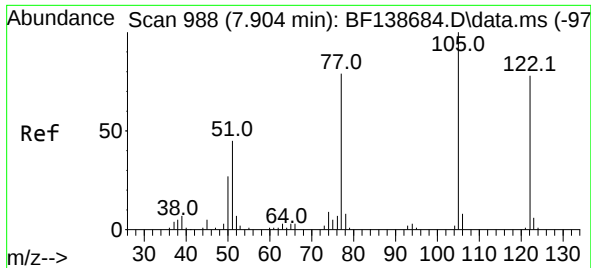
Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

127 13.5 10.6 16.0

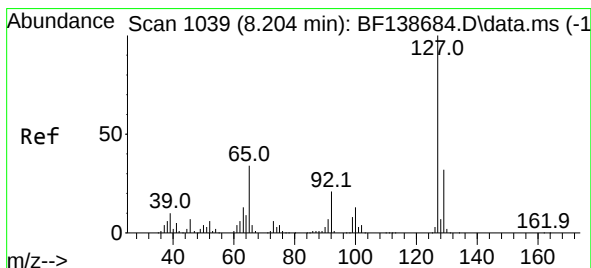
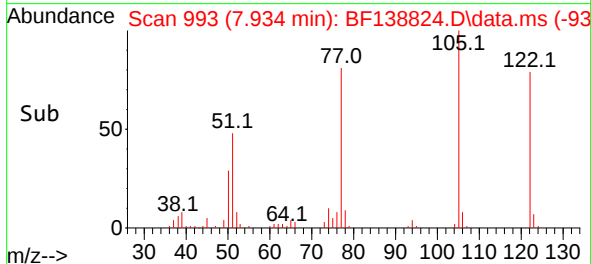
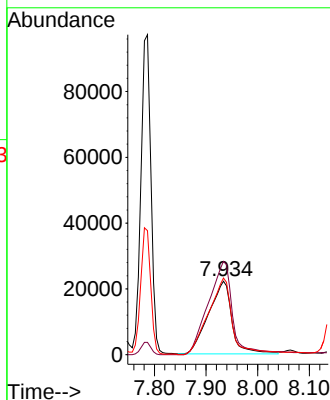
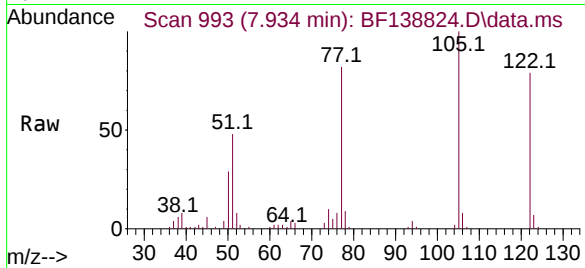




#32
Benzoic acid
Concen: 46.684 ng
RT: 7.934 min Scan# 993
Delta R.T. 0.030 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

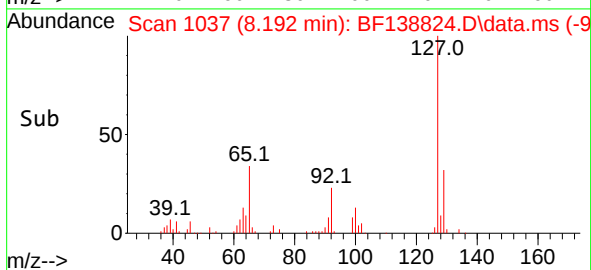
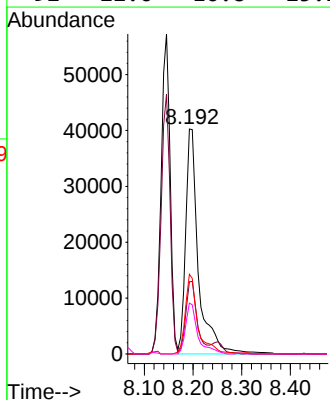
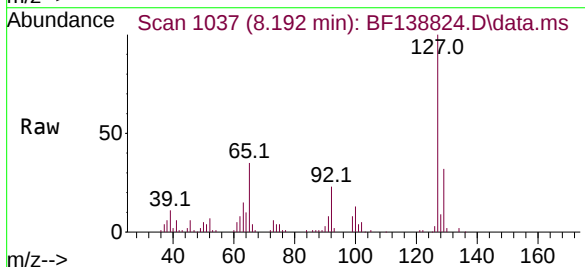
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

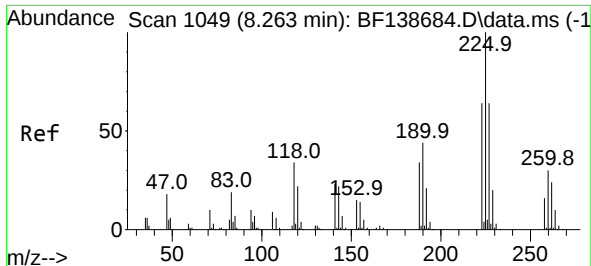
Tgt Ion:122 Resp: 69712
Ion Ratio Lower Upper
122 100
105 127.0 106.7 146.7
77 104.4 81.1 121.1



#33
4-Chloroaniline
Concen: 23.515 ng
RT: 8.192 min Scan# 1037
Delta R.T. -0.012 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

Tgt Ion:127 Resp: 73672
Ion Ratio Lower Upper
127 100
129 32.1 25.9 38.9
65 35.5 27.6 41.4
92 22.6 16.8 25.2

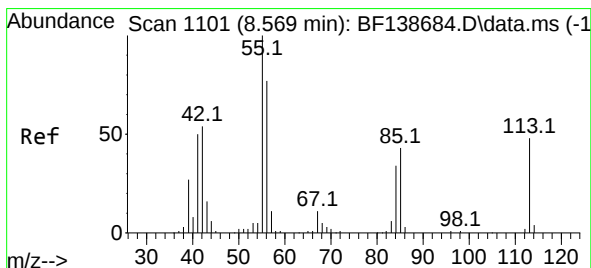
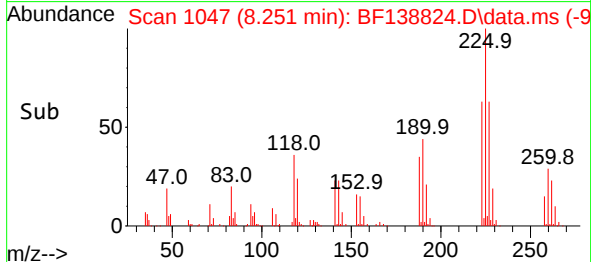
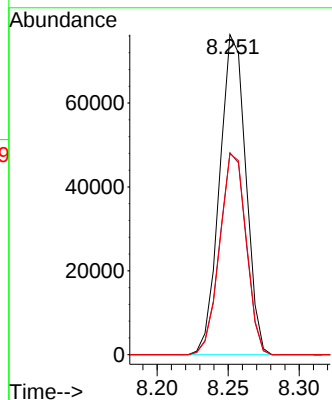
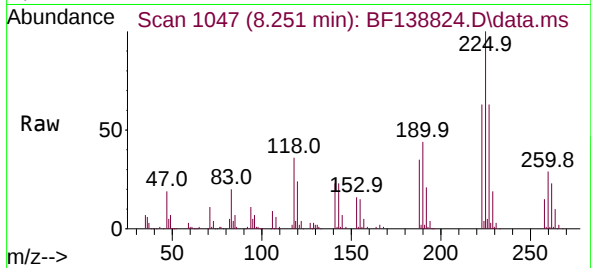




#34
Hexachlorobutadiene
Concen: 57.363 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.012 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

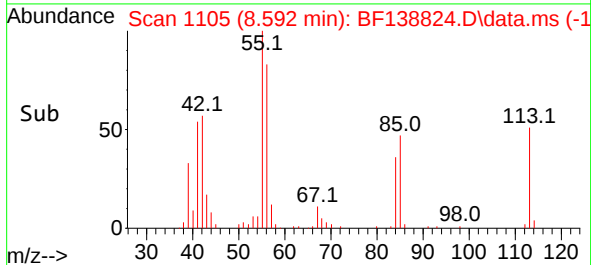
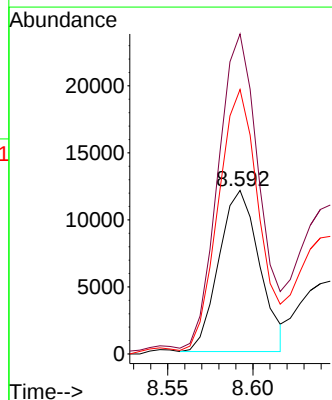
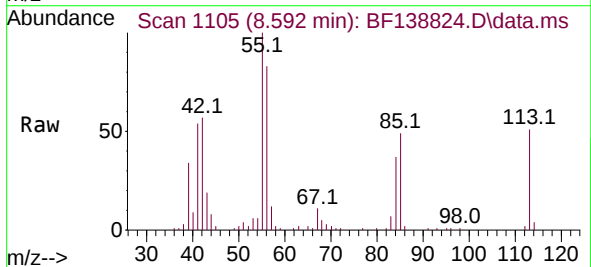
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

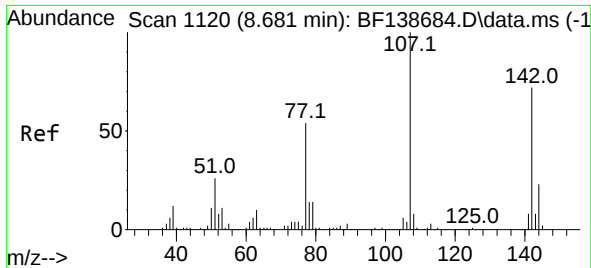
Tgt Ion:225 Resp: 97876
Ion Ratio Lower Upper
225 100
223 63.1 51.2 76.8
227 62.9 51.1 76.7



#35
Caprolactam
Concen: 27.435 ng
RT: 8.592 min Scan# 1105
Delta R.T. 0.024 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

Tgt Ion:113 Resp: 19983
Ion Ratio Lower Upper
113 100
55 195.8 186.7 226.7
56 161.8 138.9 178.9

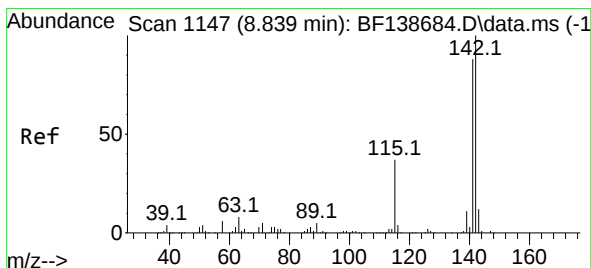
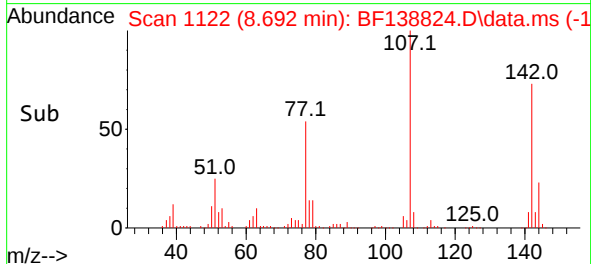
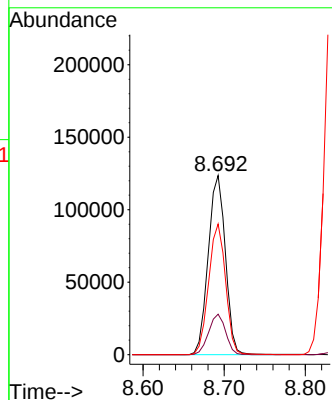
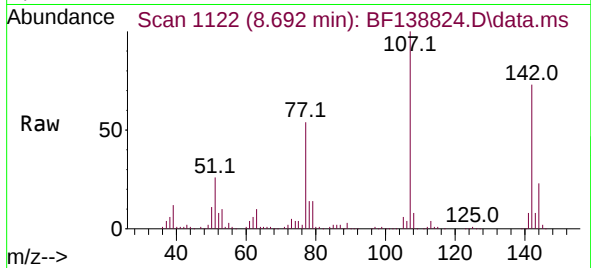




#36
4-Chloro-3-methylphenol
Concen: 65.090 ng
RT: 8.692 min Scan# 1120
Delta R.T. 0.012 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

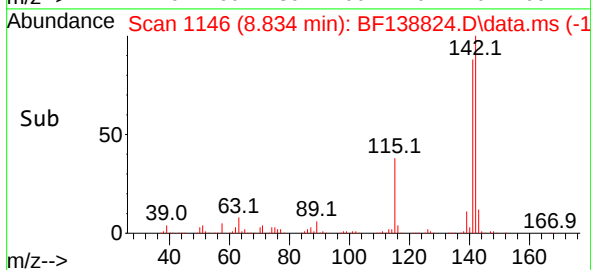
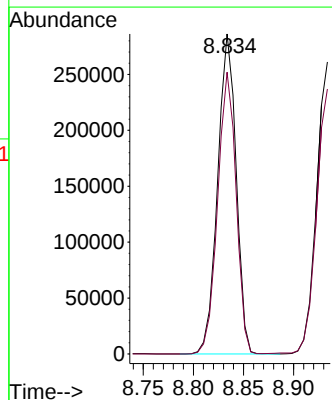
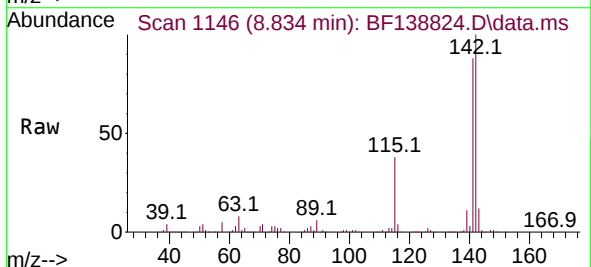
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

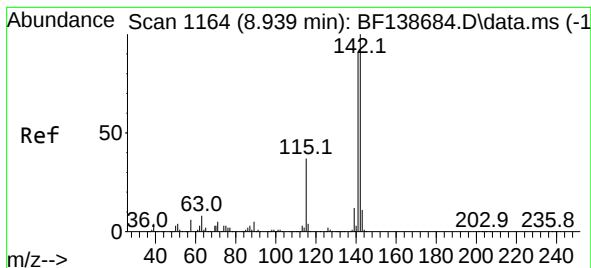
Tgt Ion:107 Resp: 181585
Ion Ratio Lower Upper
107 100
144 22.6 18.2 27.2
142 72.9 57.4 86.2



#37
2-Methylnaphthalene
Concen: 62.182 ng
RT: 8.834 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

Tgt Ion:142 Resp: 366524
Ion Ratio Lower Upper
142 100
141 88.0 70.8 106.2





#38

1-Methylnaphthalene

Concen: 58.456 ng

RT: 8.934 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

Instrument :

BNA_F

ClientSampleId :

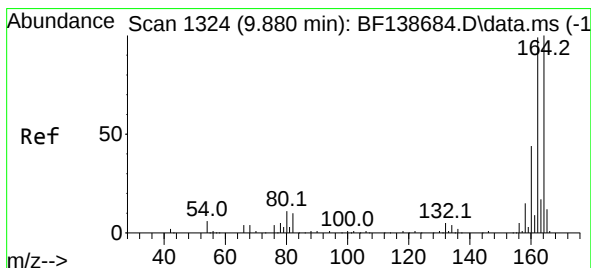
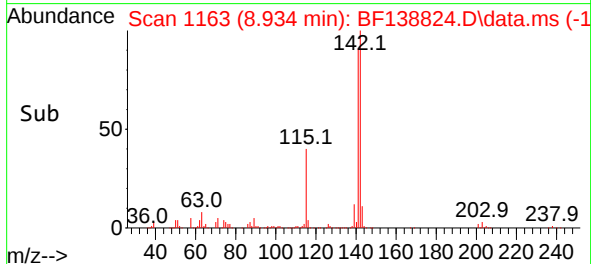
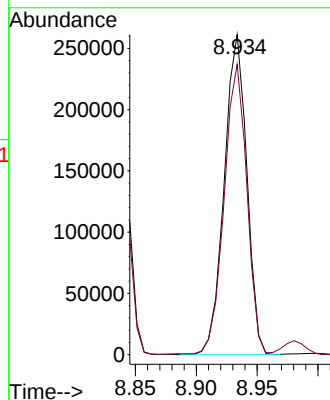
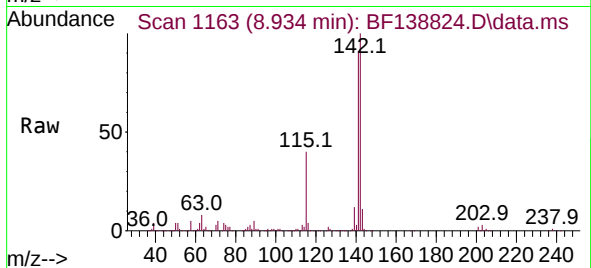
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Tgt Ion:142 Resp: 337638

Ion Ratio Lower Upper

142 100

141 90.8 73.1 109.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1323

Delta R.T. -0.005 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

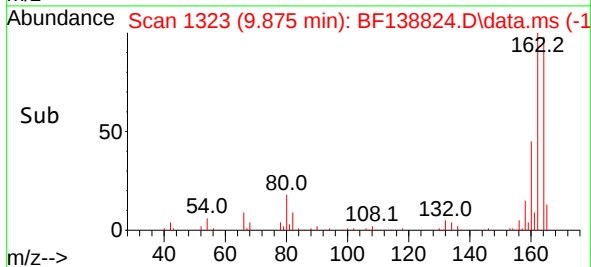
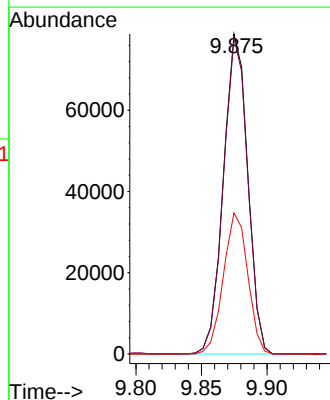
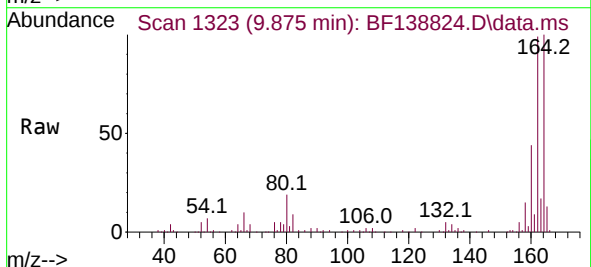
Tgt Ion:164 Resp: 101403

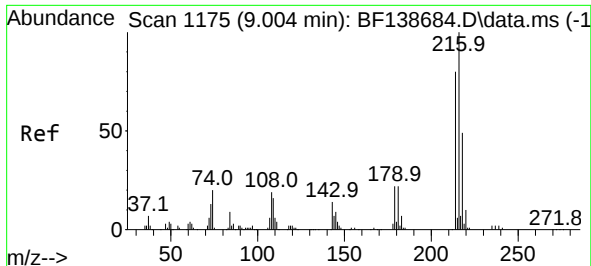
Ion Ratio Lower Upper

164 100

162 98.6 79.4 119.0

160 44.1 35.1 52.7

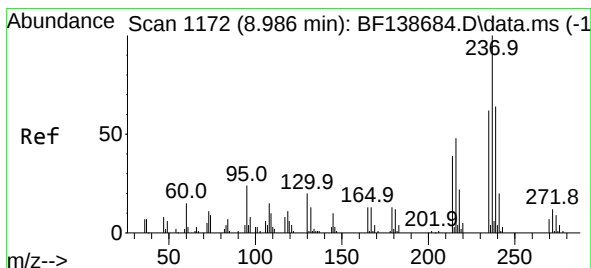
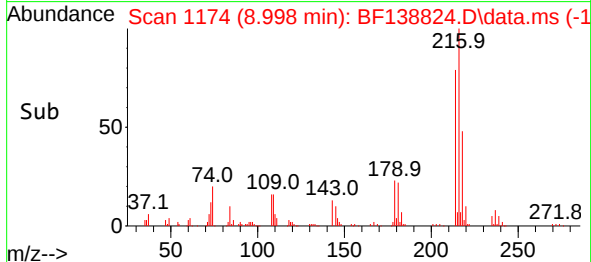
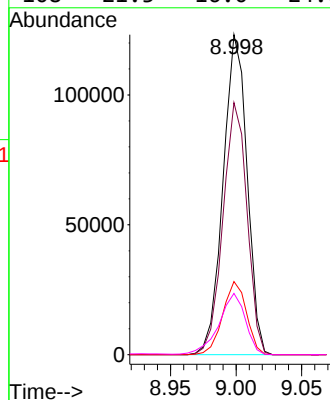
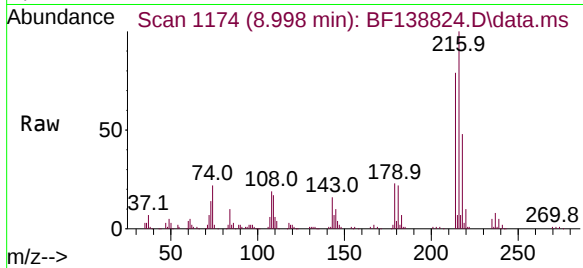




#40
1,2,4,5-Tetrachlorobenzene
Concen: 55.599 ng
RT: 8.998 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

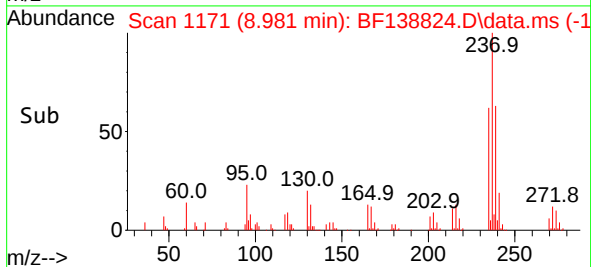
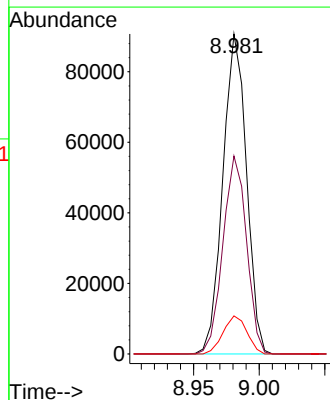
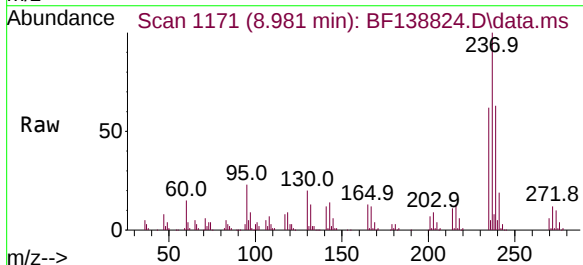
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

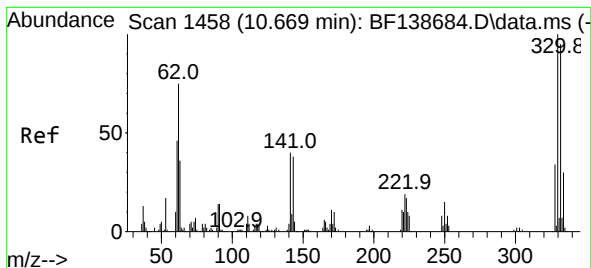
Tgt Ion:	216	Resp:	156614
Ion Ratio	Lower	Upper	
216	100		
214	78.8	63.9	95.9
179	22.7	17.8	26.6
108	21.3	16.0	24.0



#41
Hexachlorocyclopentadiene
Concen: 145.927 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.005 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

Tgt Ion:	237	Resp:	113488
Ion Ratio	Lower	Upper	
237	100		
235	61.9	41.8	81.8
272	11.9	0.0	32.2

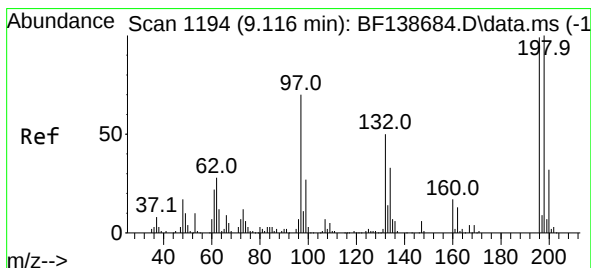
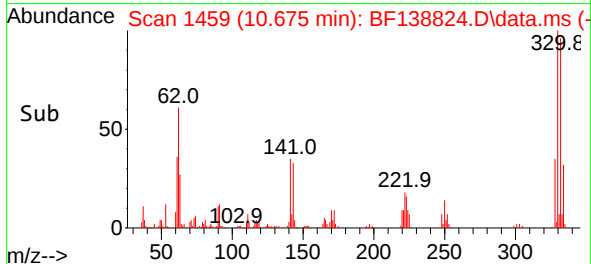
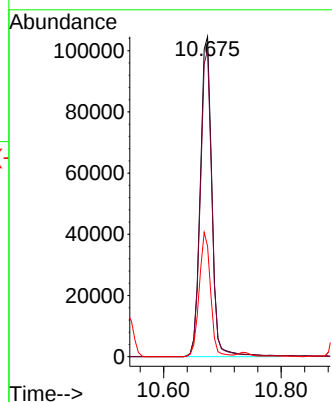
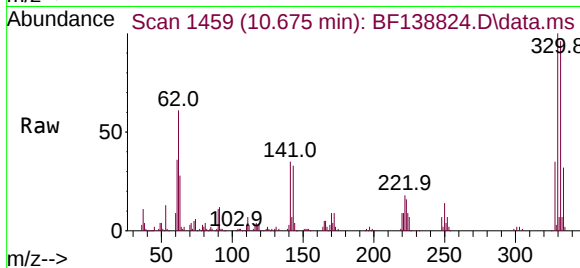




#42
2,4,6-Tribromophenol
Concen: 173.079 ng
RT: 10.675 min Scan# 1458
Delta R.T. 0.006 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

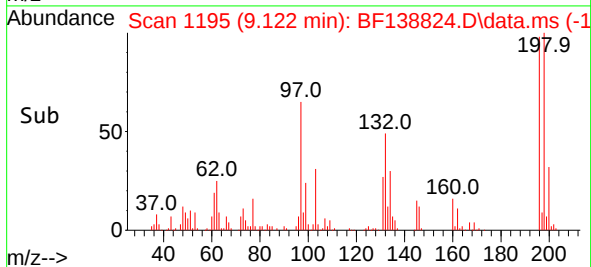
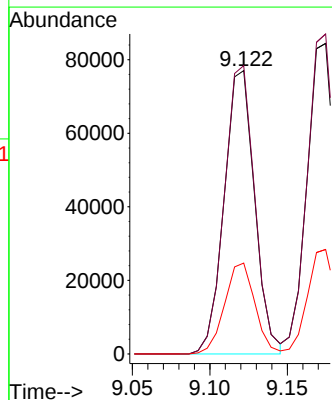
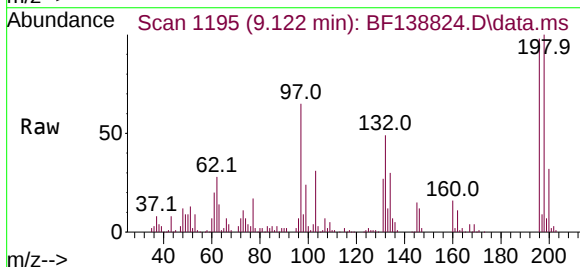
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

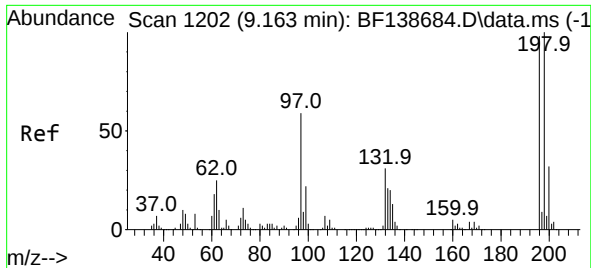
Tgt Ion:330 Resp: 143764
Ion Ratio Lower Upper
330 100
332 95.9 76.4 114.6
141 37.7 31.1 46.7



#43
2,4,6-Trichlorophenol
Concen: 61.390 ng
RT: 9.122 min Scan# 1195
Delta R.T. 0.006 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

Tgt Ion:196 Resp: 105435
Ion Ratio Lower Upper
196 100
198 101.8 80.5 120.7
200 32.1 25.9 38.9

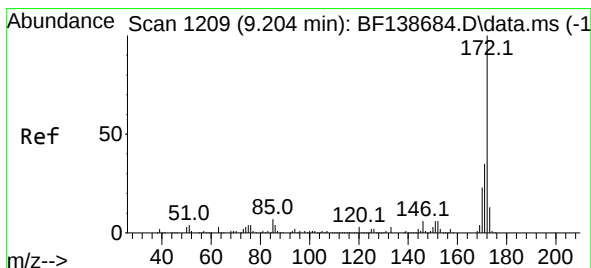
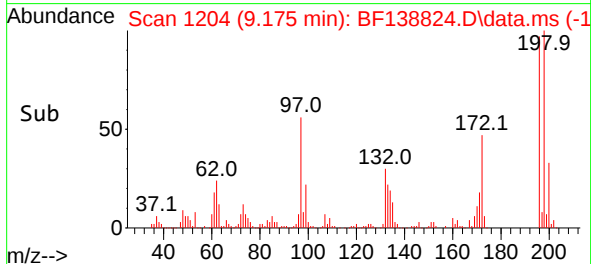
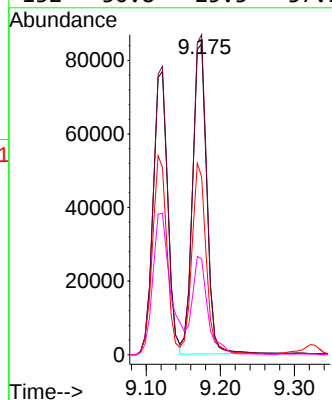
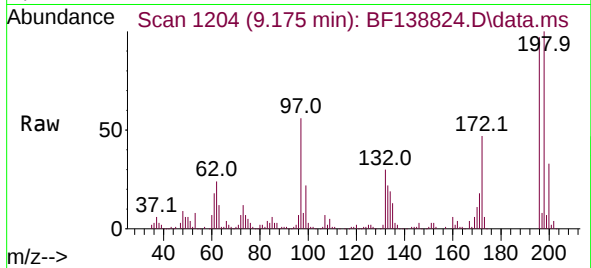




#44
2,4,5-Trichlorophenol
Concen: 59.852 ng
RT: 9.175 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

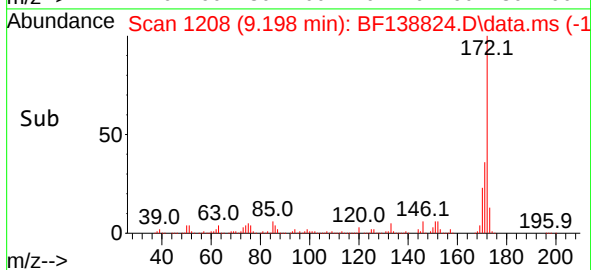
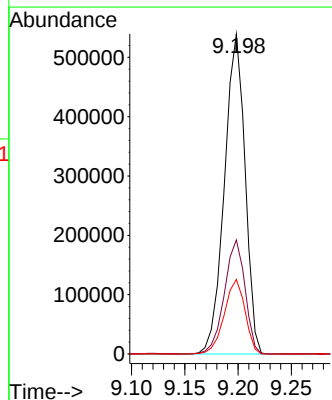
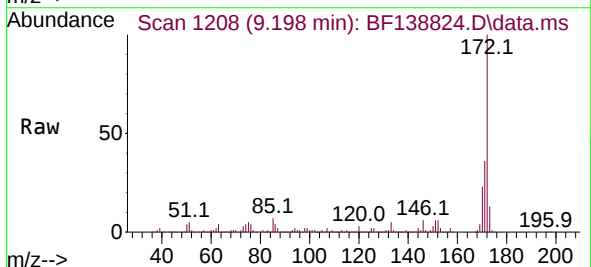
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

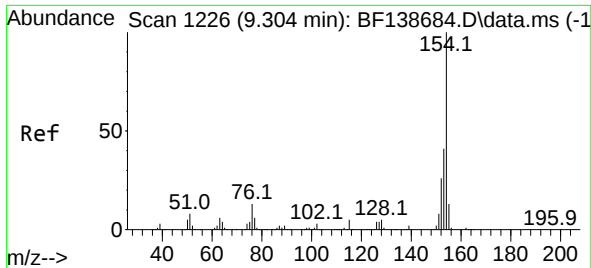
Tgt Ion:196 Resp: 112376
Ion Ratio Lower Upper
196 100
198 103.0 81.2 121.8
97 57.2 47.8 71.6
132 30.8 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 107.637 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

Tgt Ion:172 Resp: 726441
Ion Ratio Lower Upper
172 100
171 35.7 28.3 42.5
170 23.3 18.8 28.2

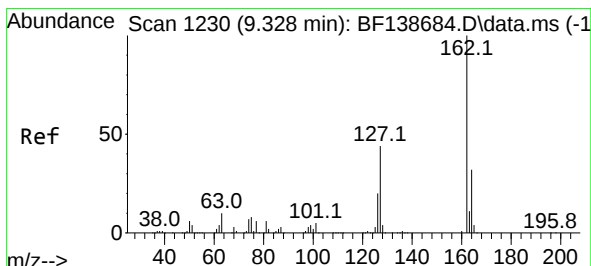
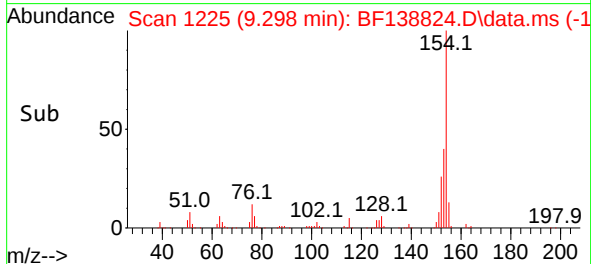
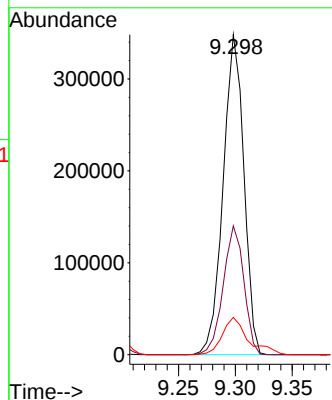
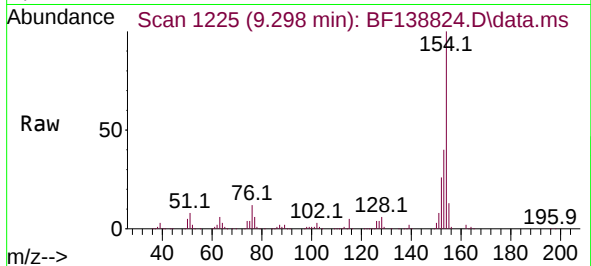




#46
1,1'-Biphenyl
Concen: 55.637 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

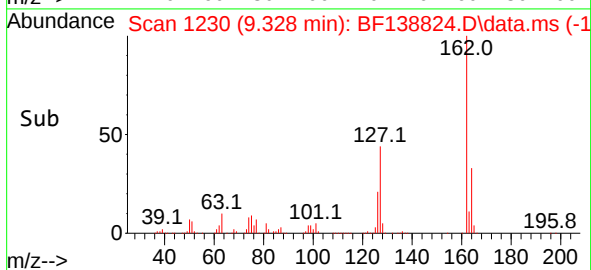
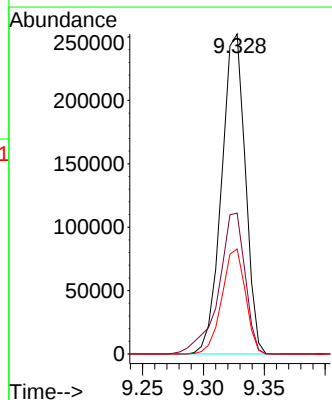
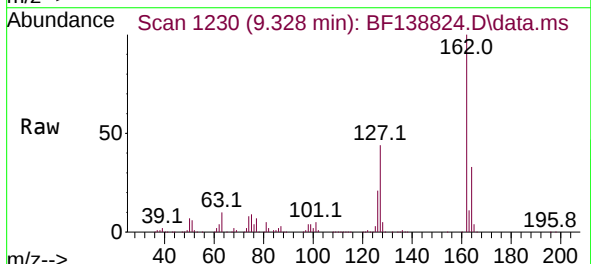
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

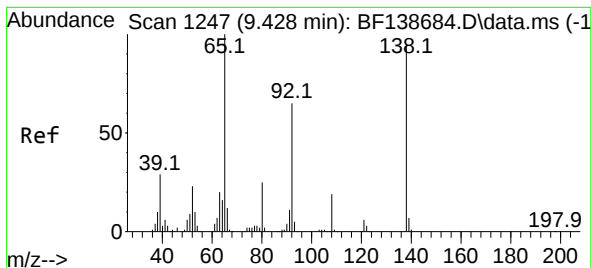
Tgt Ion:154 Resp: 441856
Ion Ratio Lower Upper
154 100
153 40.2 20.8 60.8
76 11.7 0.0 32.8



#47
2-Chloronaphthalene
Concen: 57.979 ng
RT: 9.328 min Scan# 1230
Delta R.T. 0.000 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

Tgt Ion:162 Resp: 342457
Ion Ratio Lower Upper
162 100
127 44.0 35.4 53.2
164 32.8 25.6 38.4





#48

2-Nitroaniline

Concen: 61.332 ng

RT: 9.428 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

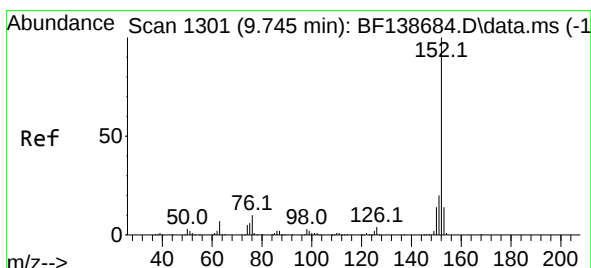
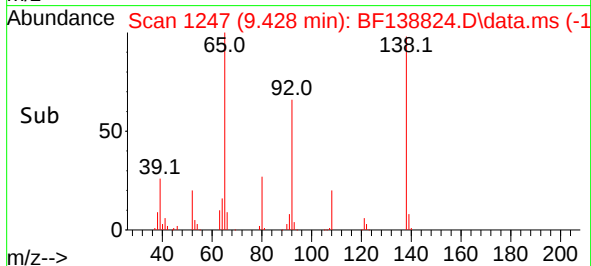
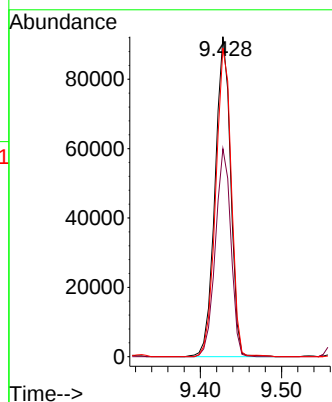
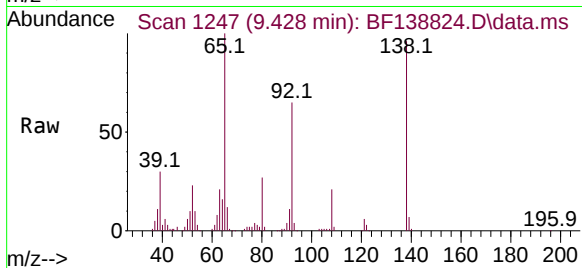
Tgt Ion: 65 Resp: 122809

Ion Ratio Lower Upper

65 100

92 65.0 52.0 78.0

138 96.4 76.2 114.4



#49

Acenaphthylene

Concen: 64.672 ng

RT: 9.739 min Scan# 1300

Delta R.T. -0.006 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

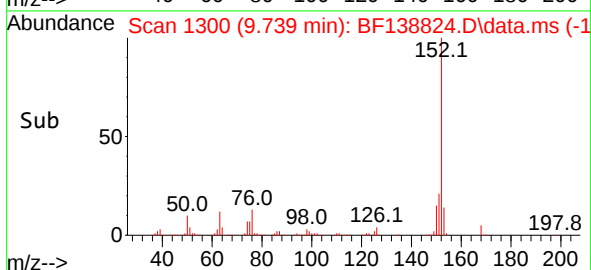
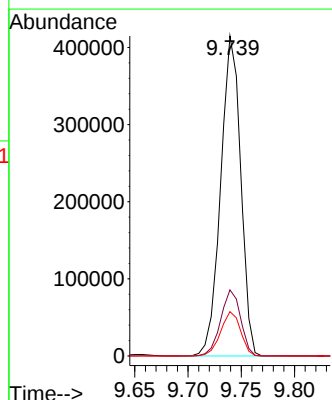
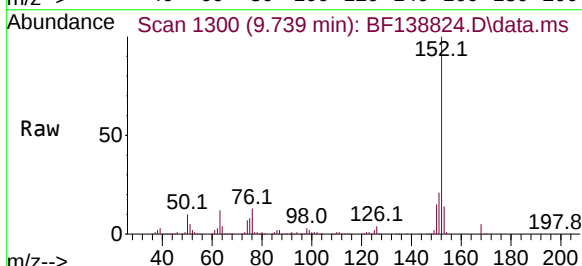
Tgt Ion: 152 Resp: 541774

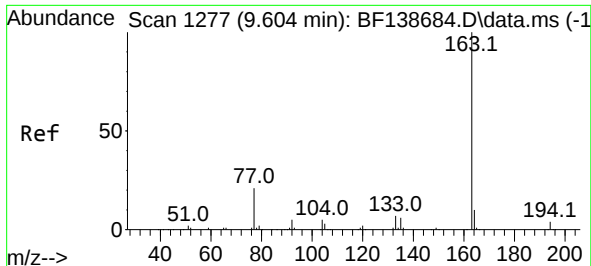
Ion Ratio Lower Upper

152 100

151 20.7 16.0 24.0

153 13.8 11.0 16.4

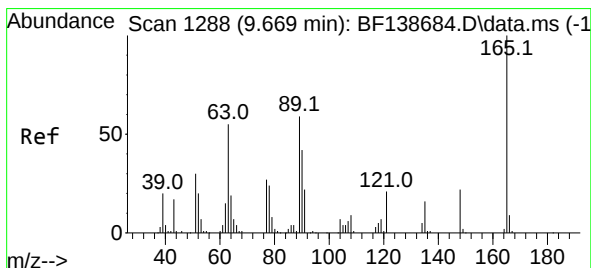
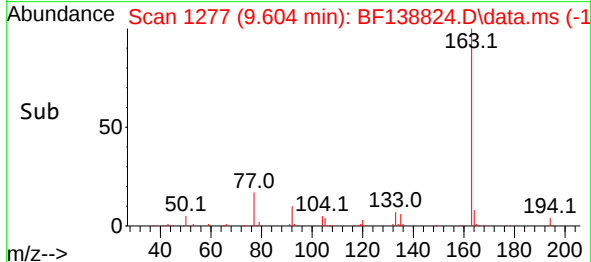
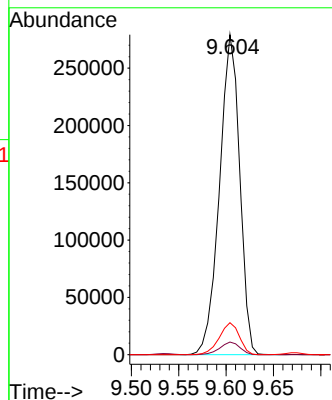
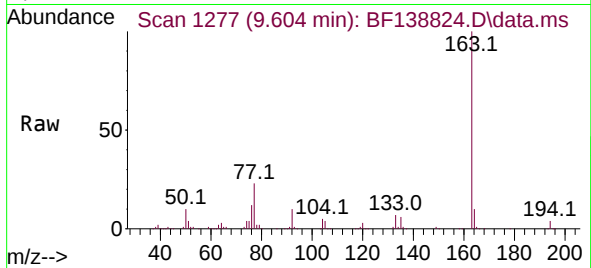




#50
Dimethylphthalate
Concen: 63.919 ng
RT: 9.604 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

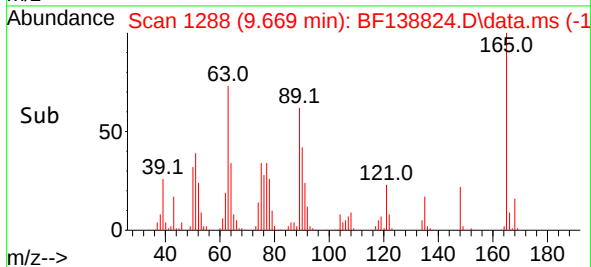
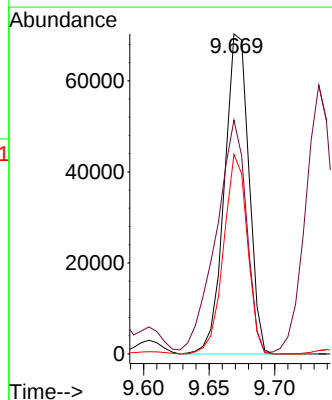
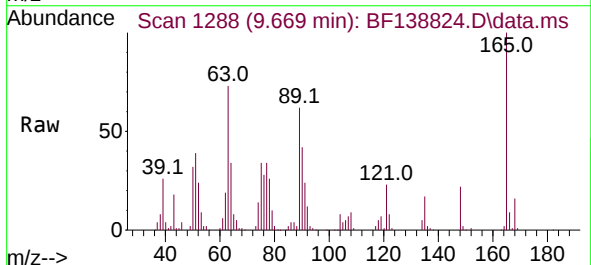
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

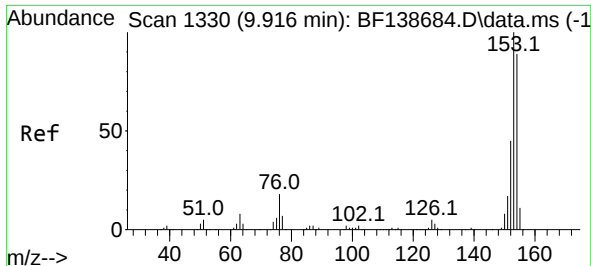
Tgt Ion:163 Resp: 414442
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.0 7.8 11.8



#51
2,6-Dinitrotoluene
Concen: 62.211 ng
RT: 9.669 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

Tgt Ion:165 Resp: 91033
Ion Ratio Lower Upper
165 100
63 73.1 52.0 78.0
89 62.3 47.0 70.6

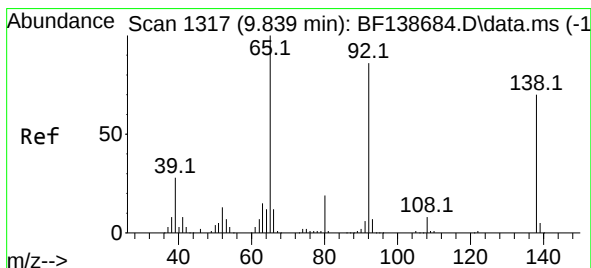
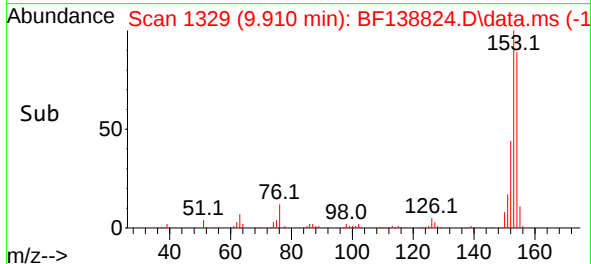
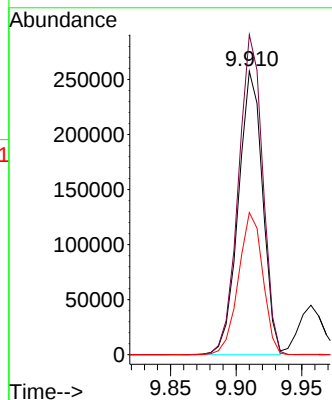
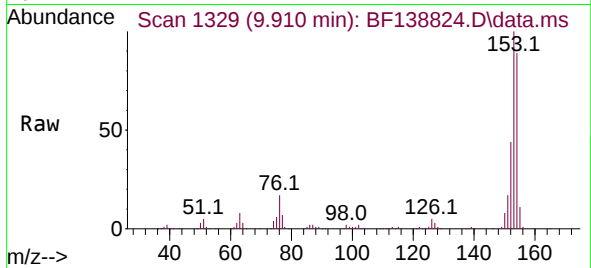




#52
Acenaphthene
Concen: 59.125 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

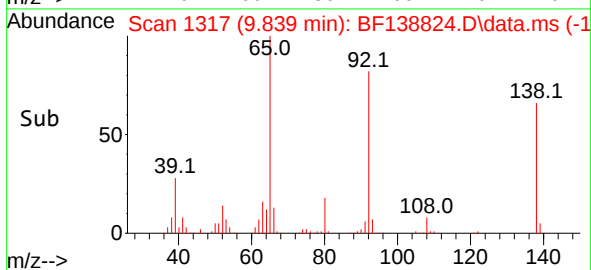
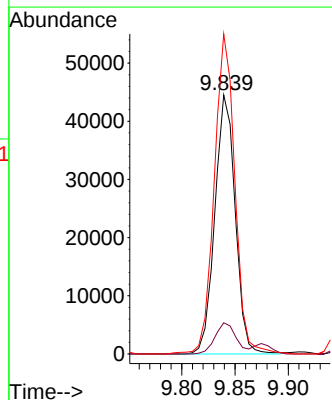
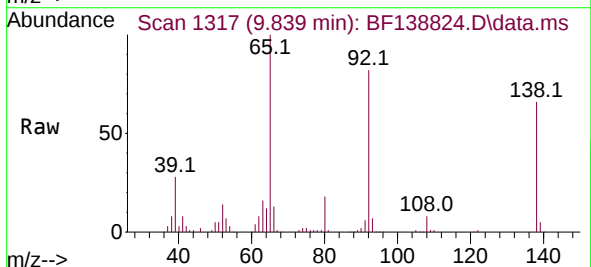
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

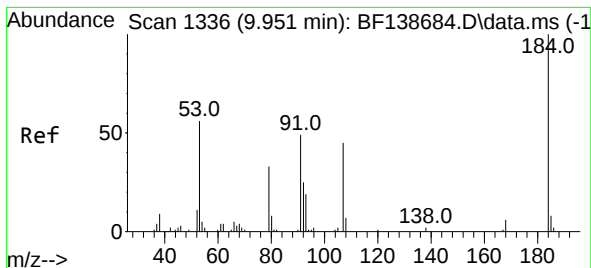
Tgt Ion:154 Resp: 332952
Ion Ratio Lower Upper
154 100
153 112.8 89.9 134.9
152 50.1 40.6 60.8



#53
3-Nitroaniline
Concen: 39.141 ng
RT: 9.839 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

Tgt Ion:138 Resp: 59208
Ion Ratio Lower Upper
138 100
108 12.1 9.1 13.7
92 123.6 98.7 148.1





#54

2,4-Dinitrophenol

Concen: 124.818 ng

RT: 9.957 min Scan# 1337

Delta R.T. 0.006 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

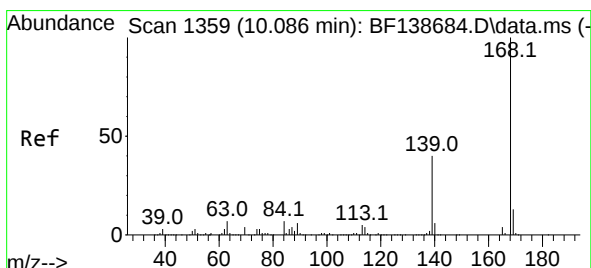
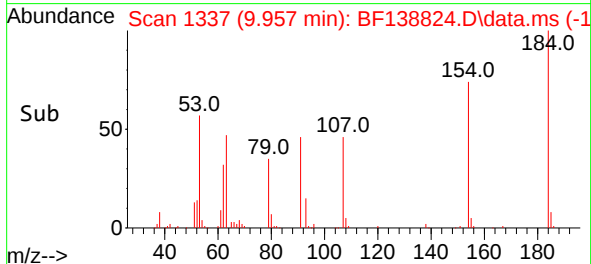
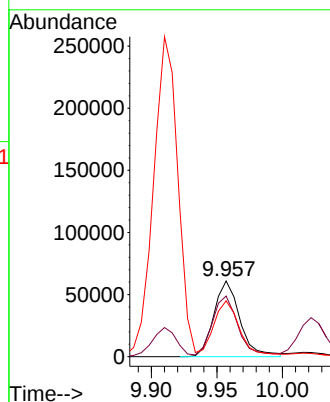
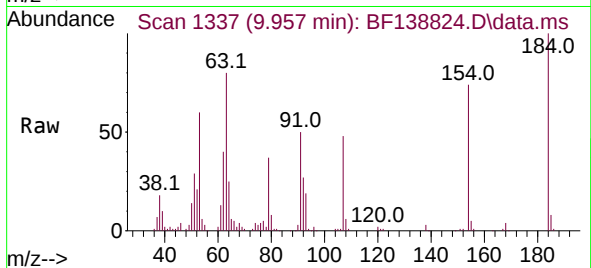
Tgt Ion:184 Resp: 84077

Ion Ratio Lower Upper

184 100

63 80.1 57.5 86.3

154 73.8 51.7 77.5



#55

Dibenzofuran

Concen: 61.130 ng

RT: 10.086 min Scan# 1359

Delta R.T. 0.000 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

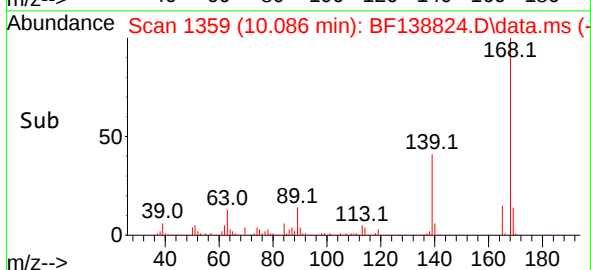
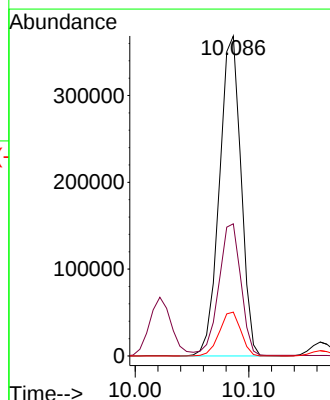
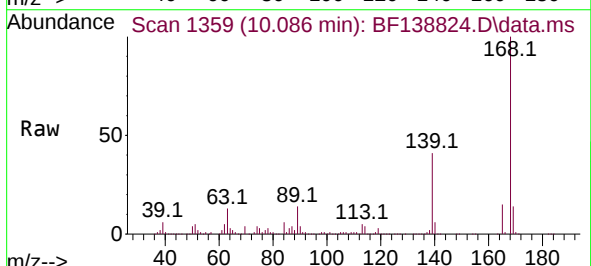
Tgt Ion:168 Resp: 485932

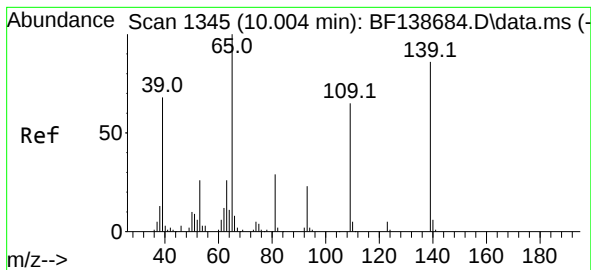
Ion Ratio Lower Upper

168 100

139 41.3 32.6 49.0

169 13.7 10.7 16.1

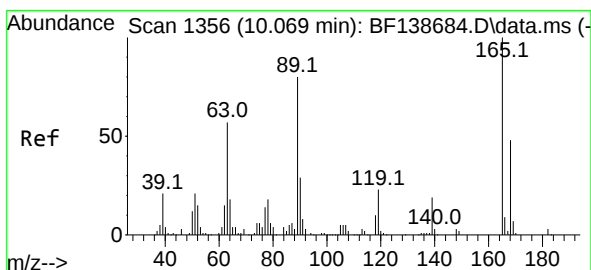
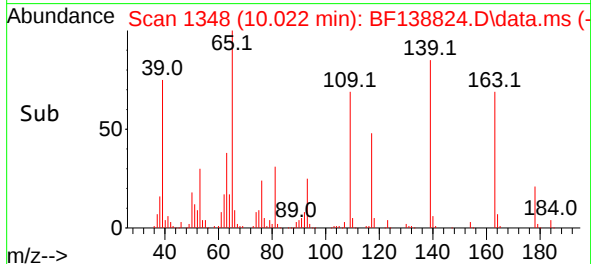
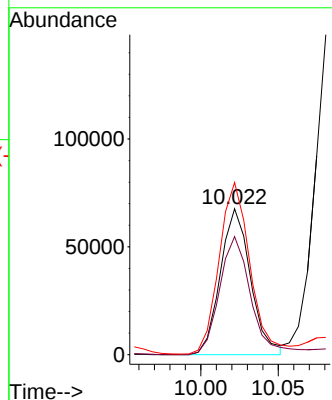
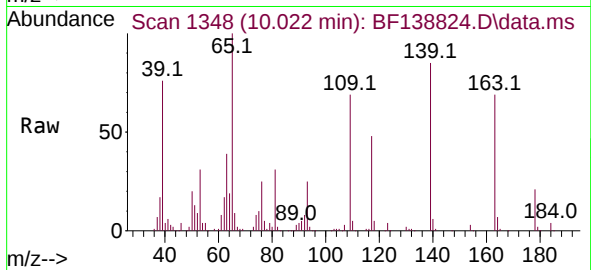




#56
4-Nitrophenol
Concen: 101.043 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.018 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

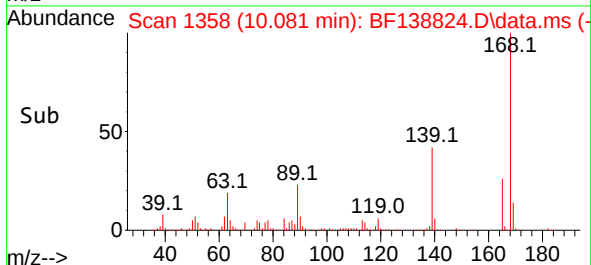
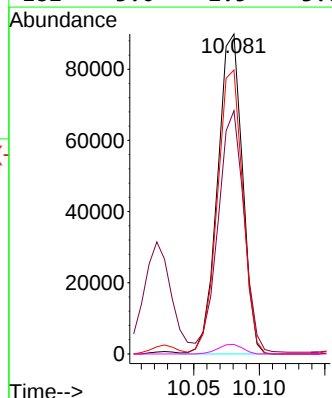
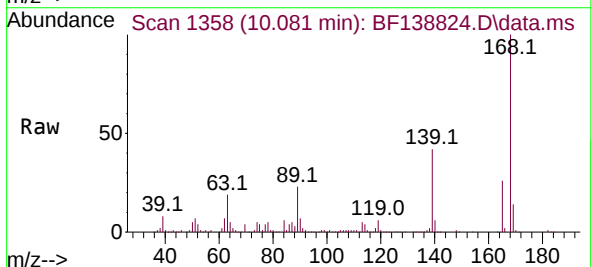
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

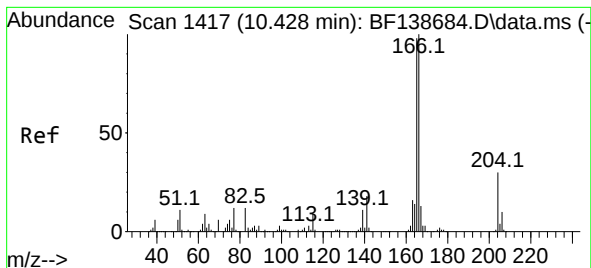
Tgt Ion:139 Resp: 91915
Ion Ratio Lower Upper
139 100
109 81.0 55.5 95.5
65 118.0 96.7 136.7



#57
2,4-Dinitrotoluene
Concen: 63.539 ng
RT: 10.081 min Scan# 1358
Delta R.T. 0.012 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

Tgt Ion:165 Resp: 118622
Ion Ratio Lower Upper
165 100
63 76.0 46.3 69.5#
89 88.7 64.2 96.4
182 3.0 2.5 3.7





#58

Fluorene

Concen: 62.606 ng

RT: 10.428 min Scan# 1417

Delta R.T. 0.000 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

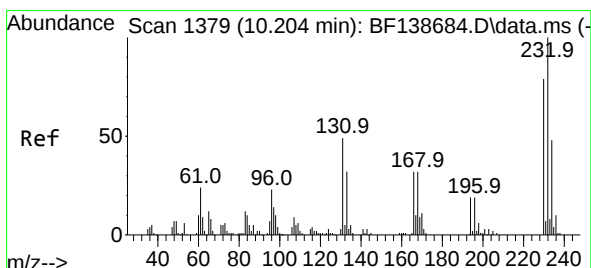
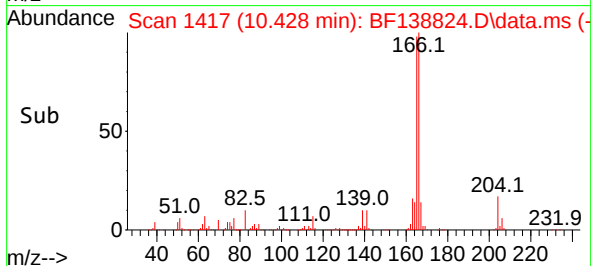
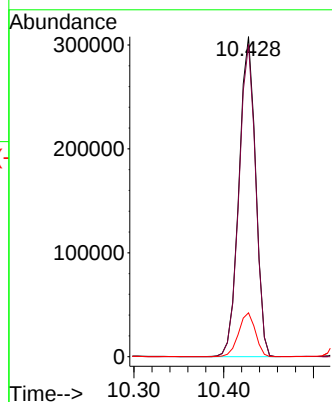
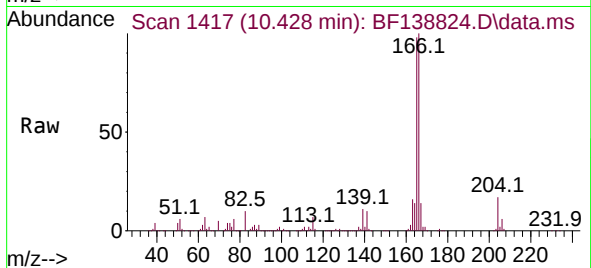
Tgt Ion:166 Resp: 396307

Ion Ratio Lower Upper

166 100

165 97.5 78.4 117.6

167 13.7 10.6 16.0



#59

2,3,4,6-Tetrachlorophenol

Concen: 68.156 ng

RT: 10.210 min Scan# 1380

Delta R.T. 0.006 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

Tgt Ion:232 Resp: 97833

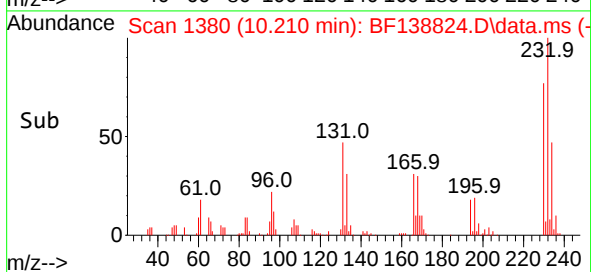
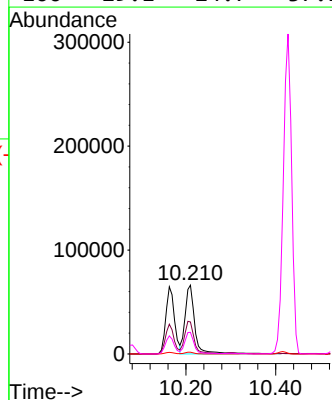
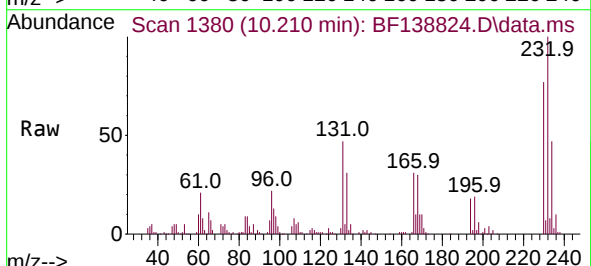
Ion Ratio Lower Upper

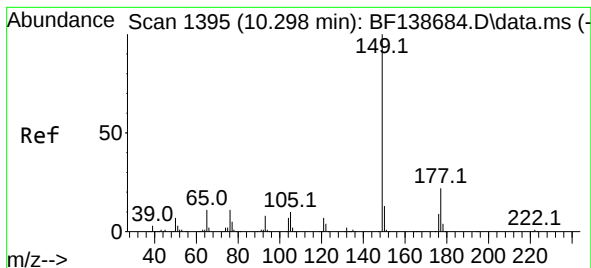
232 100

131 46.6 37.0 55.4

130 2.6 2.0 3.0

166 29.1 24.7 37.1





#60

Diethylphthalate

Concen: 65.092 ng

RT: 10.298 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

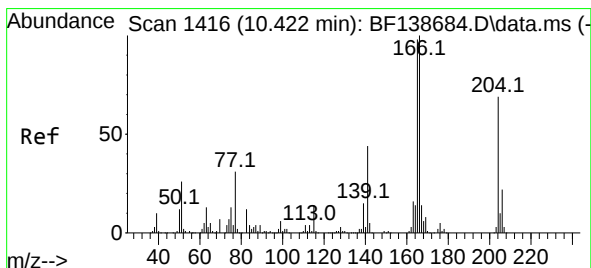
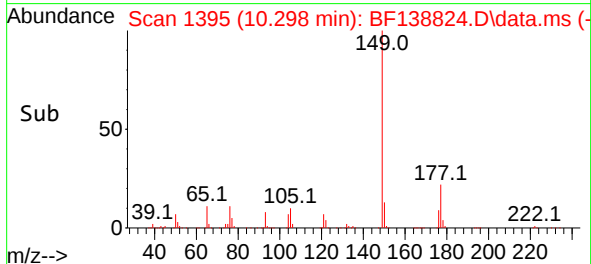
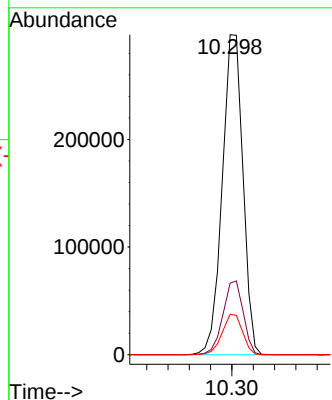
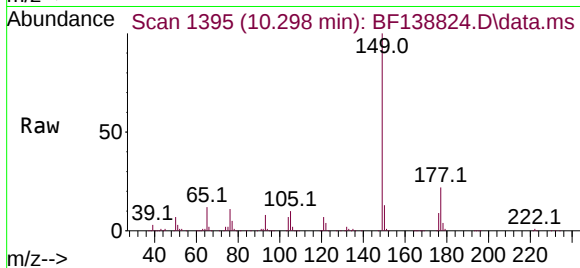
Tgt Ion:149 Resp: 400175

Ion Ratio Lower Upper

149 100

177 22.3 17.8 26.8

150 12.6 10.1 15.1



#61

4-Chlorophenyl-phenylether

Concen: 62.423 ng

RT: 10.416 min Scan# 1415

Delta R.T. -0.006 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

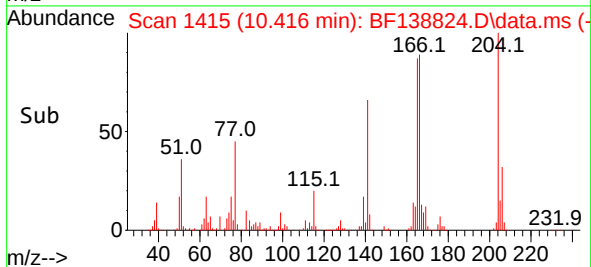
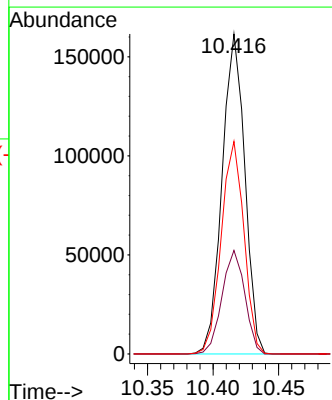
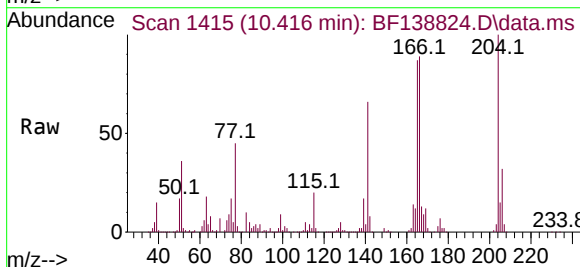
Tgt Ion:204 Resp: 194343

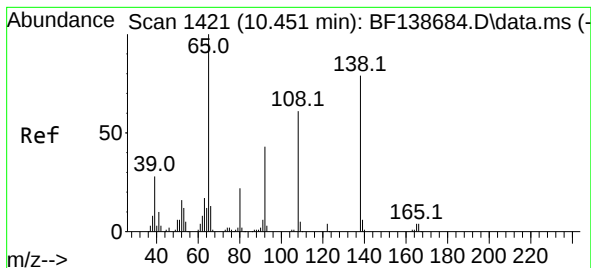
Ion Ratio Lower Upper

204 100

206 32.4 26.1 39.1

141 66.4 51.4 77.0

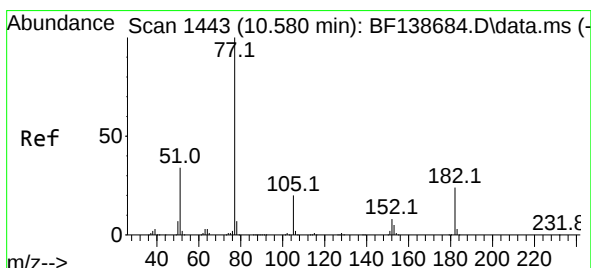
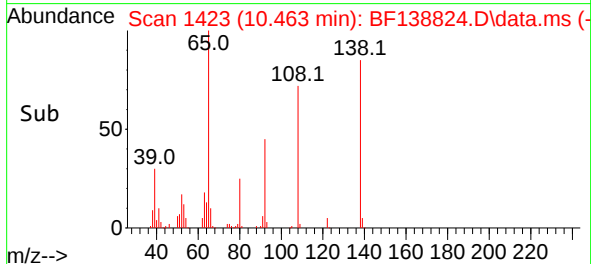
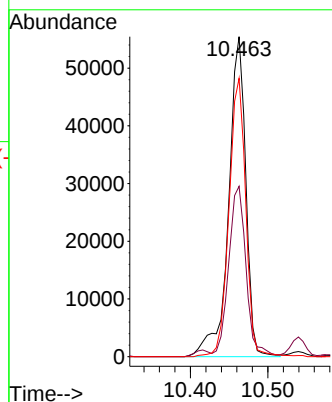
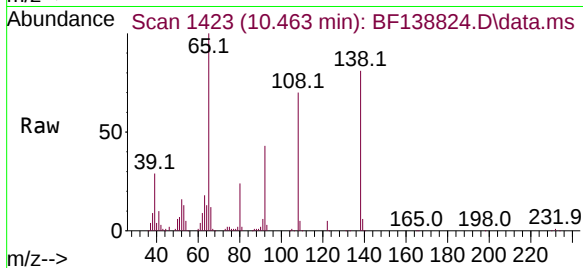




#62
4-Nitroaniline
Concen: 59.920 ng
RT: 10.463 min Scan# 1421
Delta R.T. 0.012 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

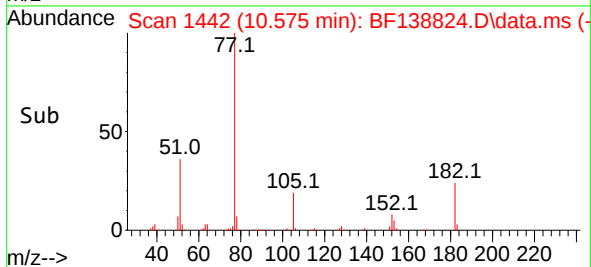
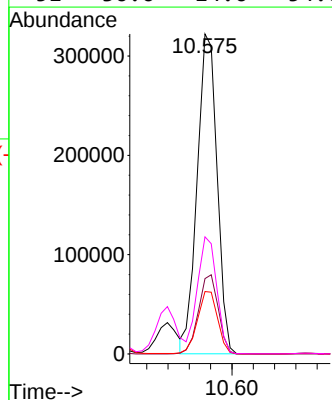
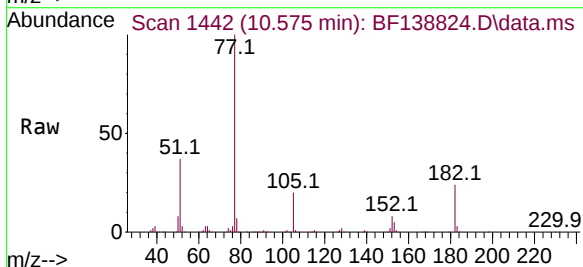
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

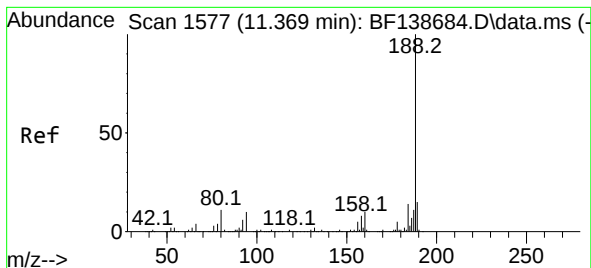
Tgt Ion:138 Resp: 86137
Ion Ratio Lower Upper
138 100
92 53.3 34.2 74.2
108 87.0 56.2 96.2



#63
Azobenzene
Concen: 61.428 ng
RT: 10.575 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

Tgt Ion: 77 Resp: 418850
Ion Ratio Lower Upper
77 100
182 23.6 3.4 43.4
105 19.5 0.2 40.2
51 36.6 14.6 54.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

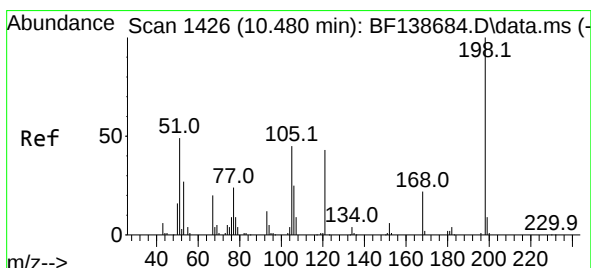
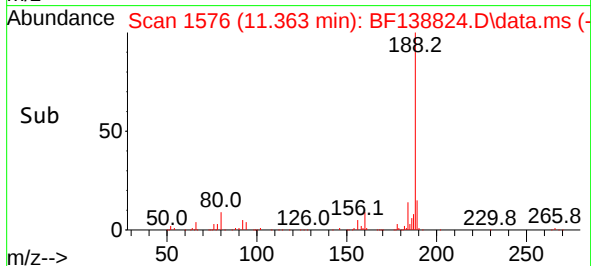
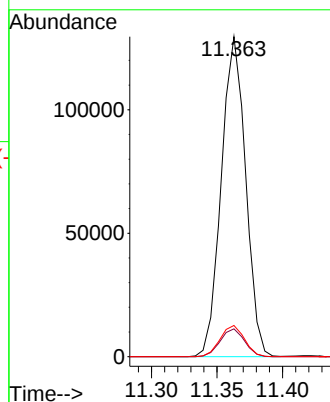
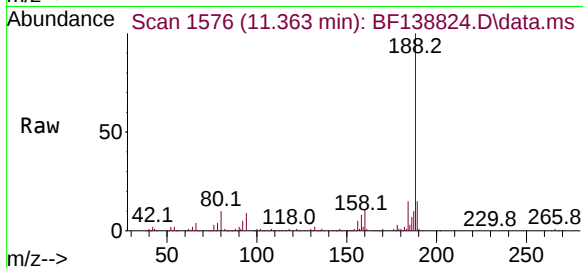
Tgt Ion:188 Resp: 167284

Ion Ratio Lower Upper

188 100

94 8.7 7.6 11.4

80 9.8 8.6 12.8



#65

4,6-Dinitro-2-methylphenol

Concen: 62.550 ng

RT: 10.492 min Scan# 1428

Delta R.T. 0.012 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

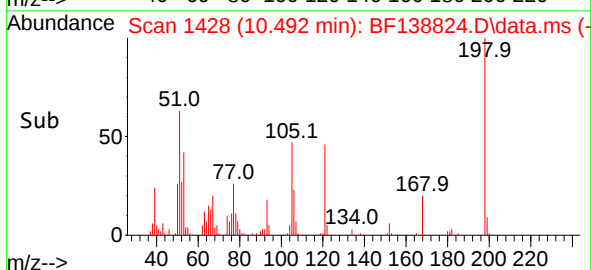
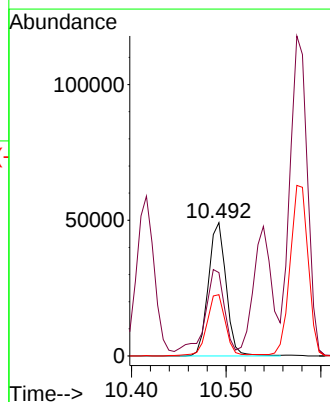
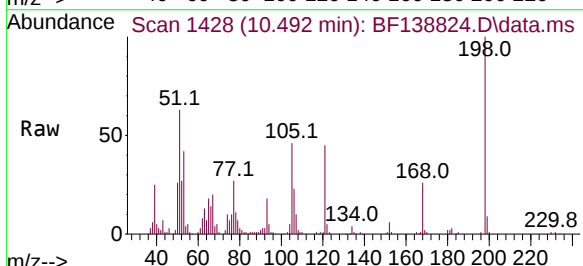
Tgt Ion:198 Resp: 63837

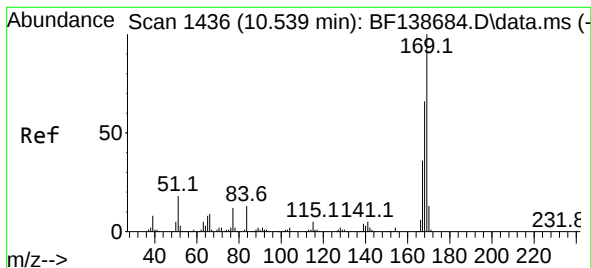
Ion Ratio Lower Upper

198 100

51 62.6 39.9 79.9

105 46.0 26.1 66.1

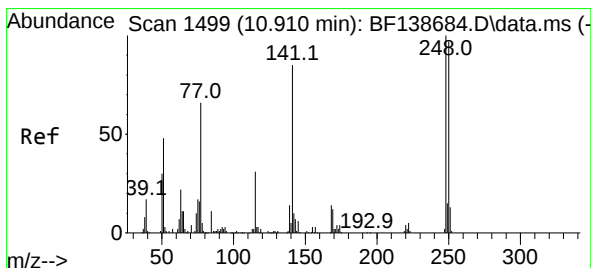
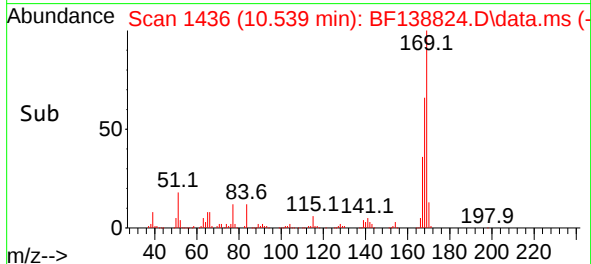
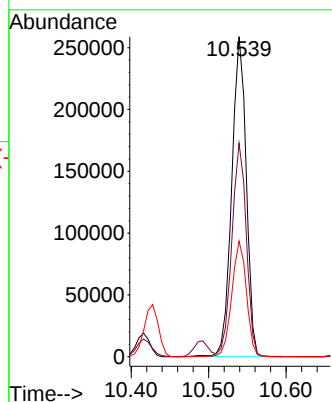
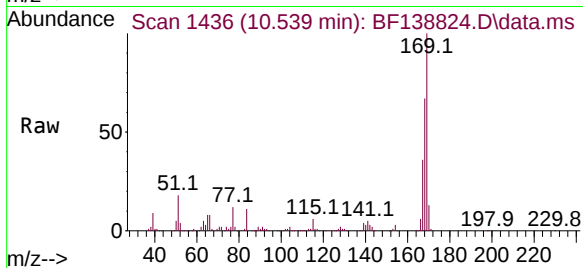




#66
n-Nitrosodiphenylamine
Concen: 64.398 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

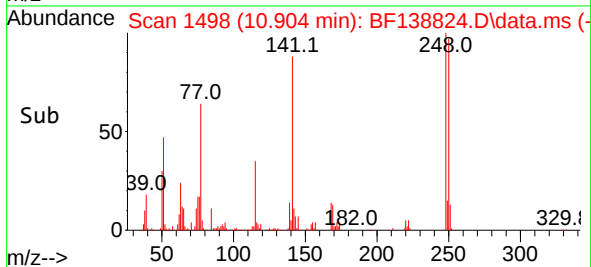
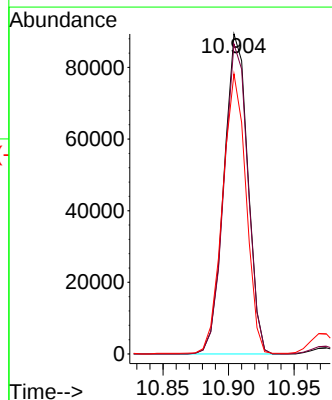
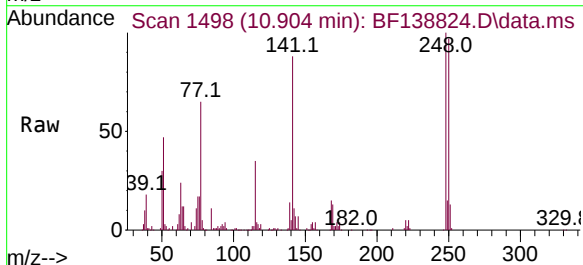
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

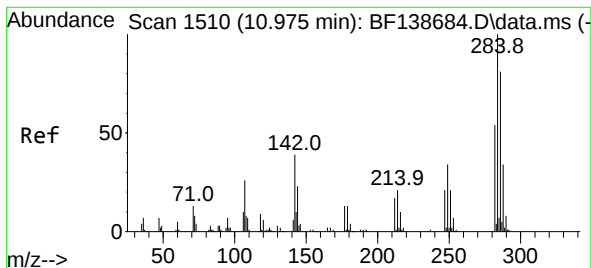
Tgt Ion:169 Resp: 336733
Ion Ratio Lower Upper
169 100
168 66.7 53.0 79.6
167 36.1 29.0 43.6



#67
4-Bromophenyl-phenylether
Concen: 62.220 ng
RT: 10.904 min Scan# 1498
Delta R.T. -0.006 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

Tgt Ion:248 Resp: 112691
Ion Ratio Lower Upper
248 100
250 96.8 77.7 116.5
141 87.5 68.0 102.0





#68

Hexachlorobenzene

Concen: 61.526 ng

RT: 10.975 min Scan# 1510

Delta R.T. 0.000 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

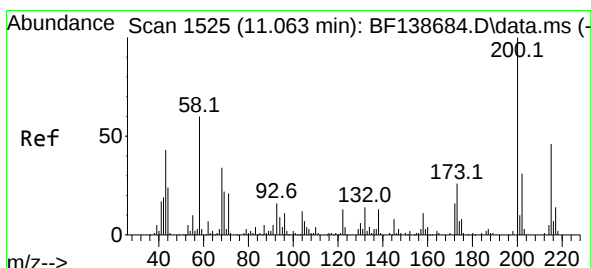
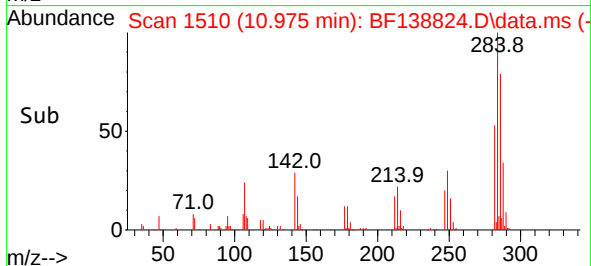
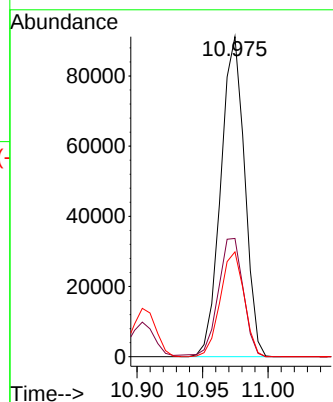
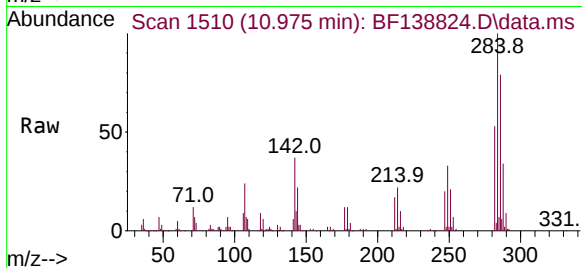
Tgt Ion:284 Resp: 115057

Ion Ratio Lower Upper

284 100

142 37.0 31.3 46.9

249 32.7 27.2 40.8



#69

Atrazine

Concen: 67.612 ng

RT: 11.069 min Scan# 1526

Delta R.T. 0.006 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

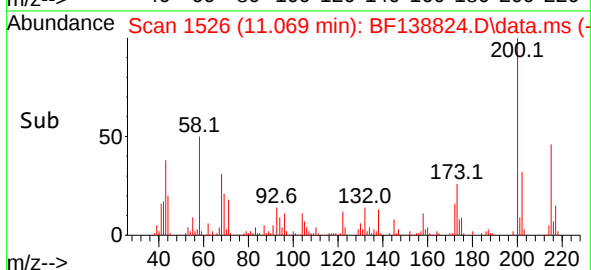
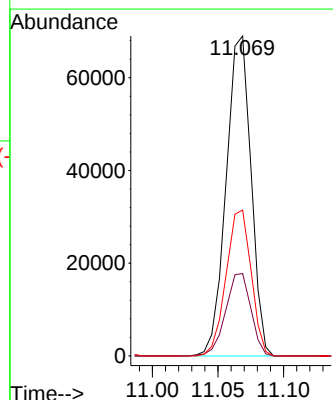
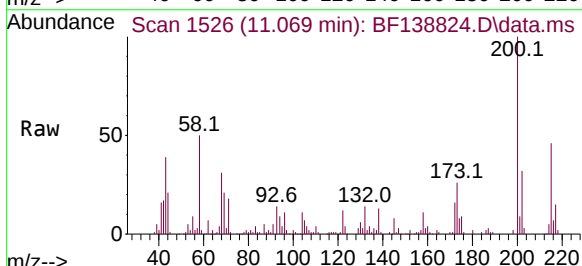
Tgt Ion:200 Resp: 91214

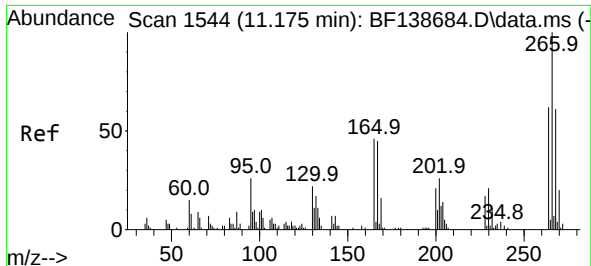
Ion Ratio Lower Upper

200 100

173 25.7 6.0 46.0

215 45.6 26.1 66.1

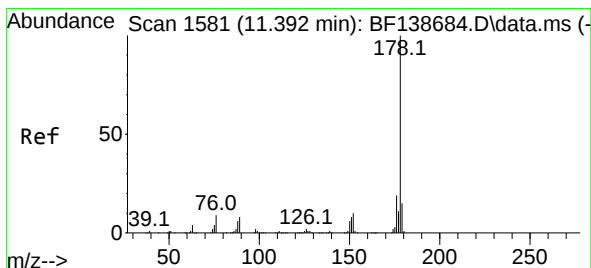
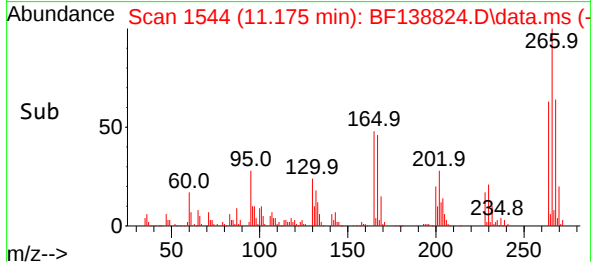
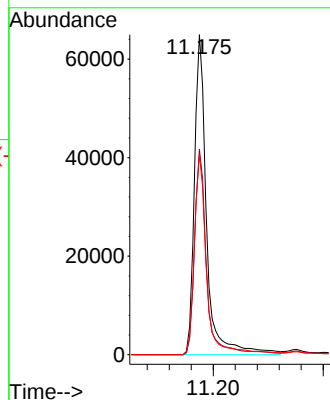
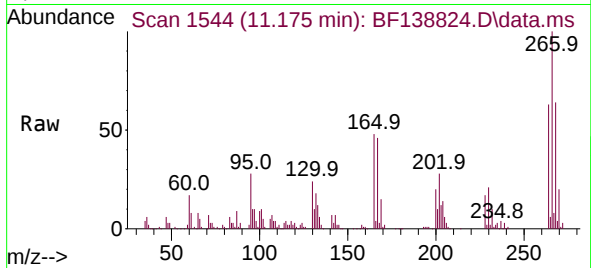




#70
 Pentachlorophenol
 Concen: 118.838 ng
 RT: 11.175 min Scan# 1544
 Delta R.T. -0.000 min
 Lab File: BF138824.D
 Acq: 07 Aug 2024 00:30

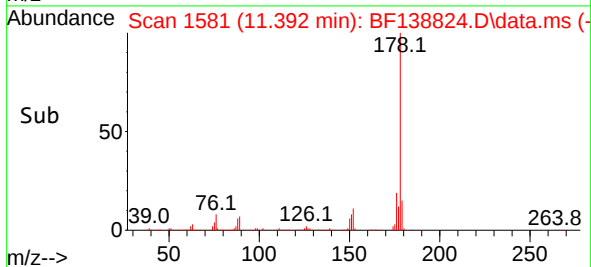
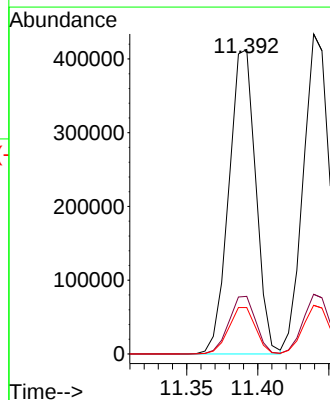
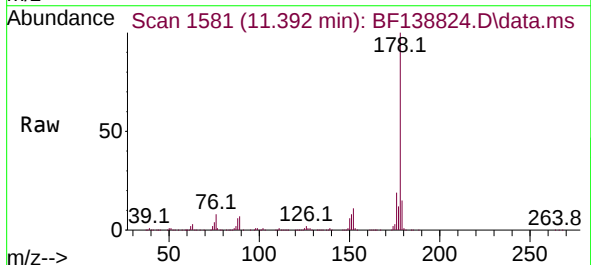
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

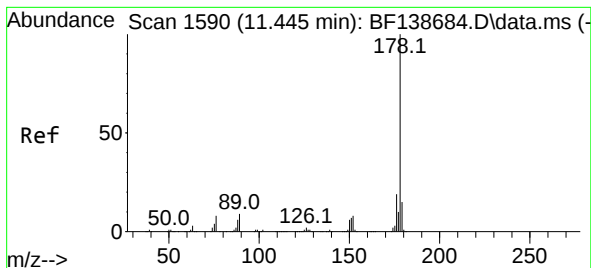
Tgt Ion:266 Resp: 100169
 Ion Ratio Lower Upper
 266 100
 268 64.2 49.2 73.8
 264 62.7 49.8 74.6



#71
 Phenanthrene
 Concen: 63.117 ng
 RT: 11.392 min Scan# 1581
 Delta R.T. 0.000 min
 Lab File: BF138824.D
 Acq: 07 Aug 2024 00:30

Tgt Ion:178 Resp: 543679
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.0
 179 15.3 12.2 18.2





#72

Anthracene

Concen: 65.388 ng

RT: 11.439 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

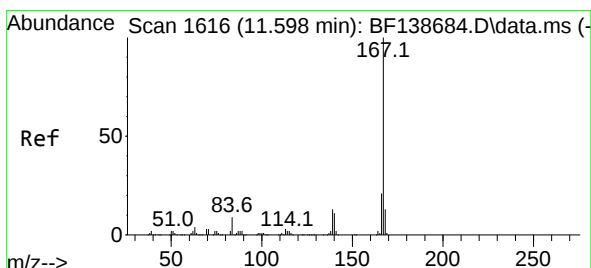
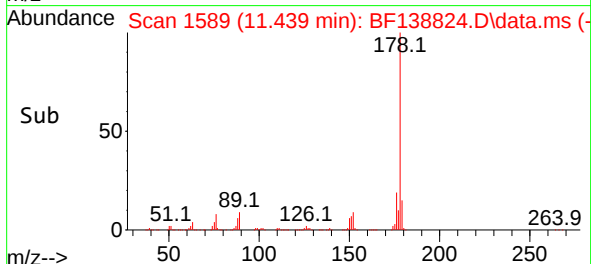
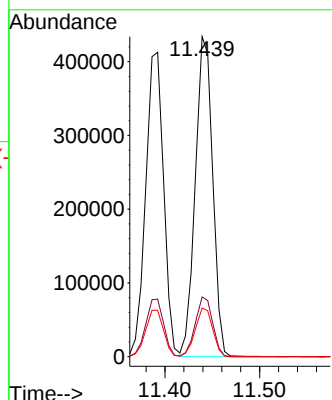
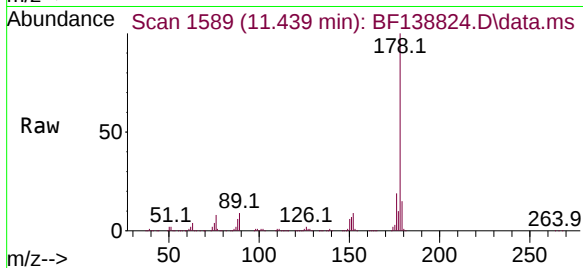
Tgt Ion:178 Resp: 554869

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

179 15.2 12.4 18.6



#73

Carbazole

Concen: 62.241 ng

RT: 11.598 min Scan# 1616

Delta R.T. 0.000 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

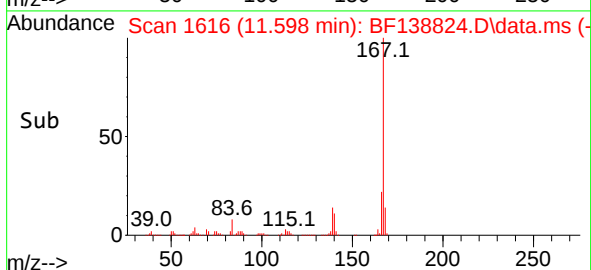
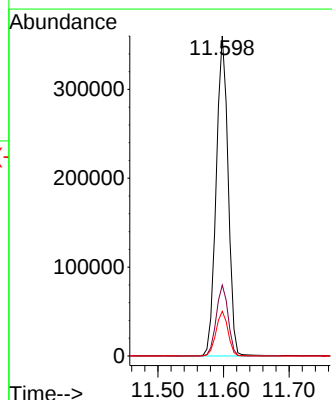
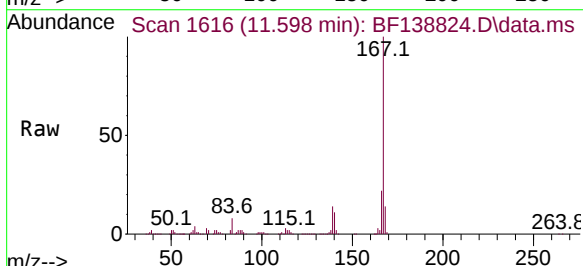
Tgt Ion:167 Resp: 455669

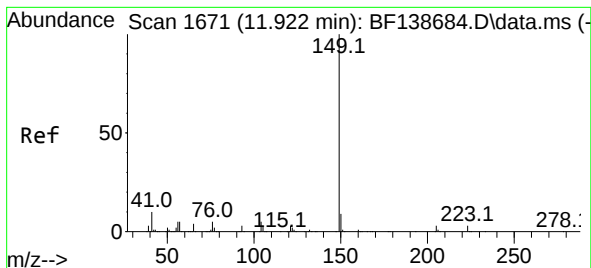
Ion Ratio Lower Upper

167 100

166 22.1 17.2 25.8

139 14.0 10.6 16.0

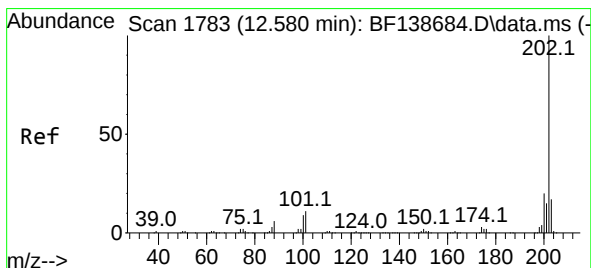
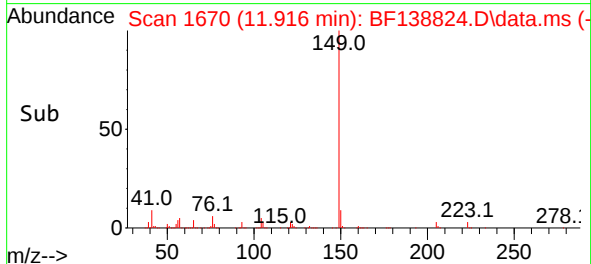
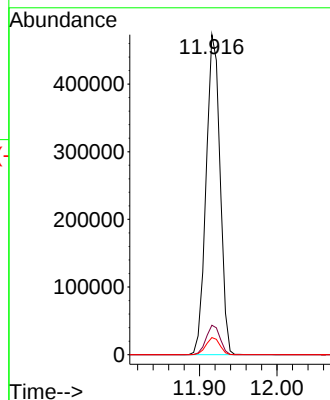
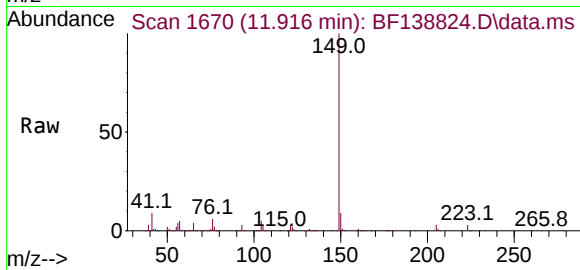




#74
Di-n-butylphthalate
Concen: 71.736 ng
RT: 11.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

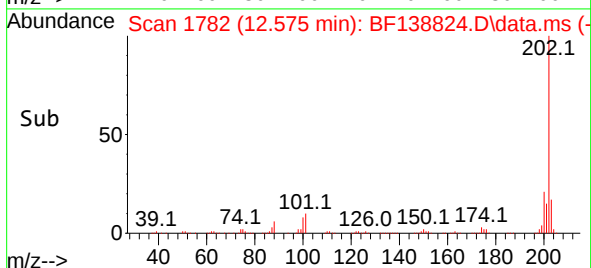
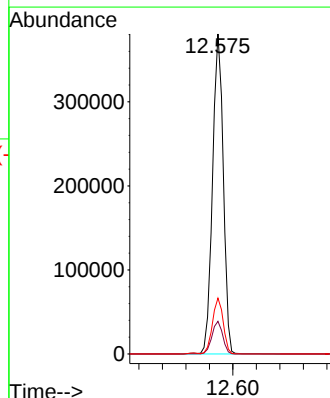
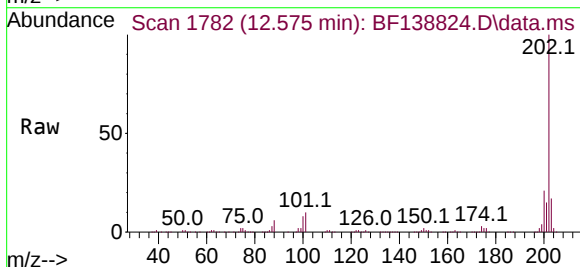
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

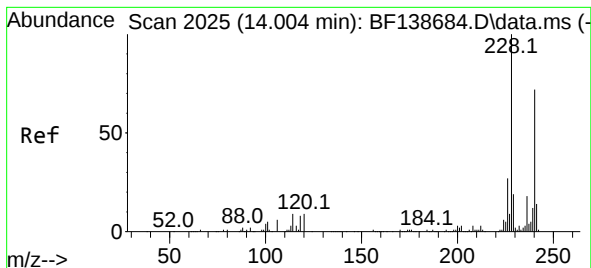
Tgt Ion:149 Resp: 590397
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 5.4 4.1 6.1



#75
Fluoranthene
Concen: 60.054 ng
RT: 12.575 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

Tgt Ion:202 Resp: 482920
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.2
203 17.4 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

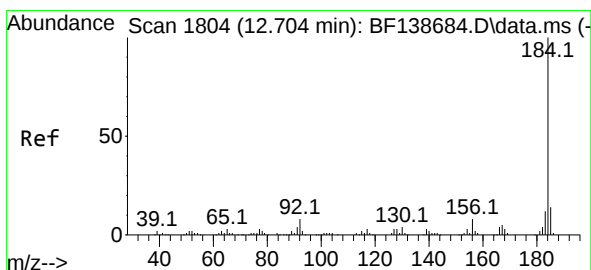
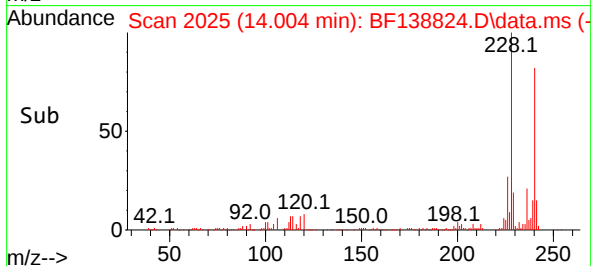
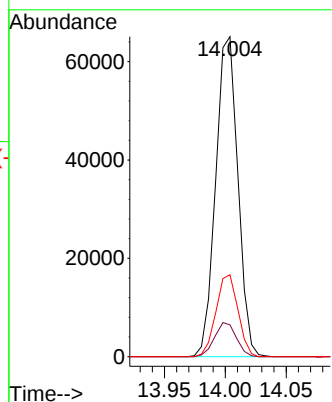
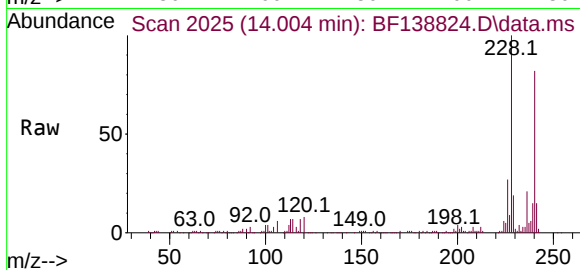
Tgt Ion:240 Resp: 82642

Ion Ratio Lower Upper

240 100

120 9.9 10.2 15.4#

236 25.6 19.8 29.8



#77

Benzidine

Concen: 7.505 ng

RT: 12.698 min Scan# 1803

Delta R.T. -0.006 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

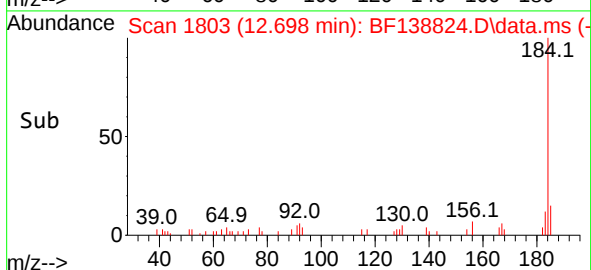
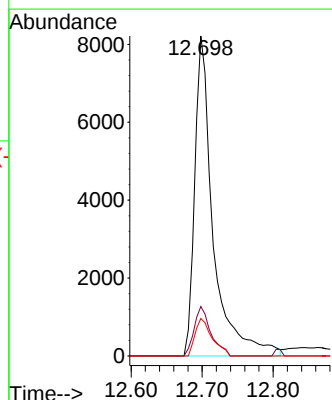
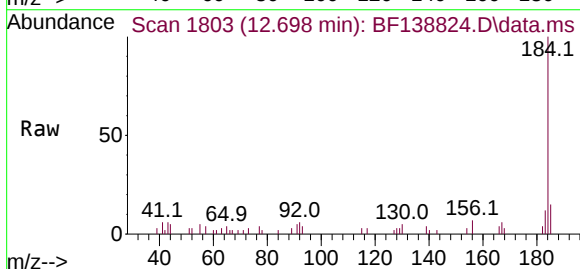
Tgt Ion:184 Resp: 14834

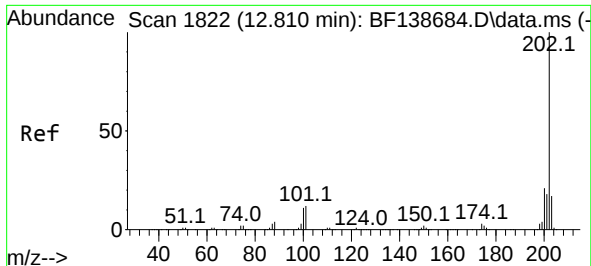
Ion Ratio Lower Upper

184 100

185 15.5 11.1 16.7

183 11.7 9.6 14.4

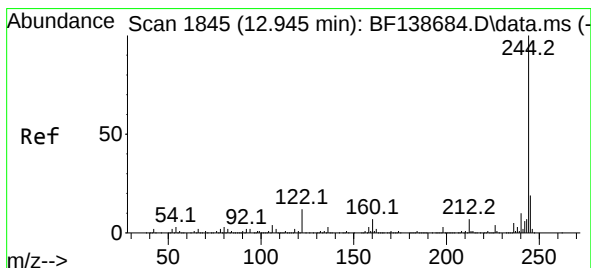
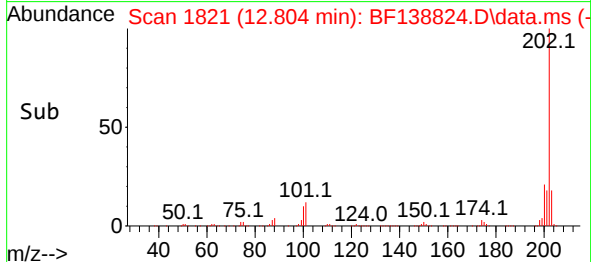
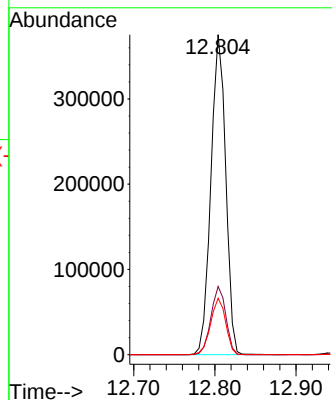
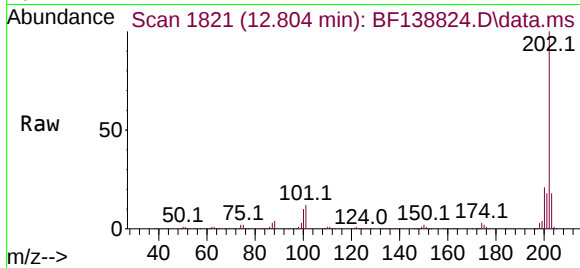




#78
Pyrene
Concen: 60.944 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

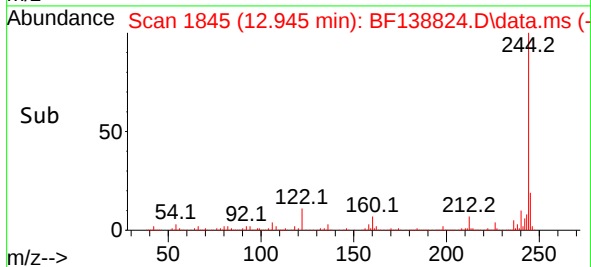
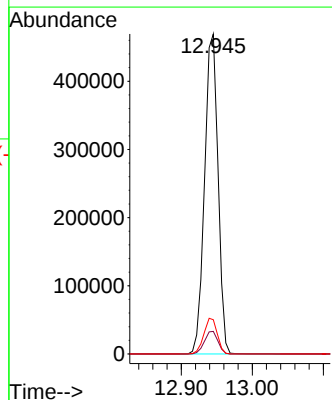
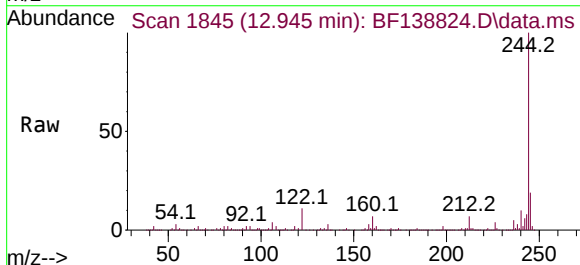
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

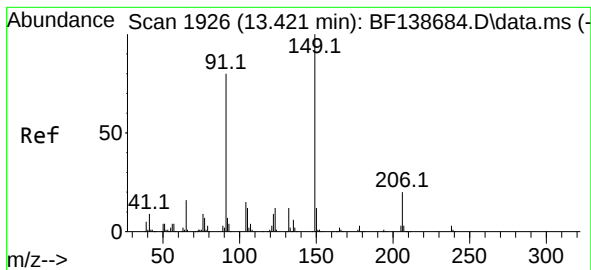
Tgt Ion:202 Resp: 474206
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 17.6 13.8 20.6



#79
Terphenyl-d14
Concen: 125.530 ng
RT: 12.945 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

Tgt Ion:244 Resp: 619616
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 10.7 9.6 14.4





#80

Butylbenzylphthalate

Concen: 71.470 ng

RT: 13.416 min Scan# 1925

Delta R.T. -0.006 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

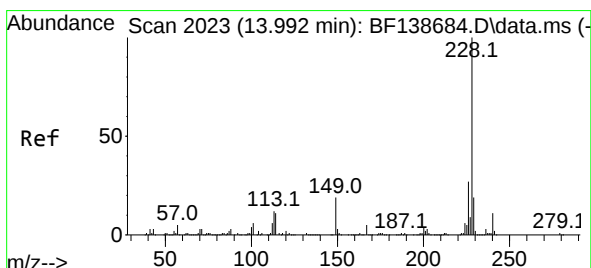
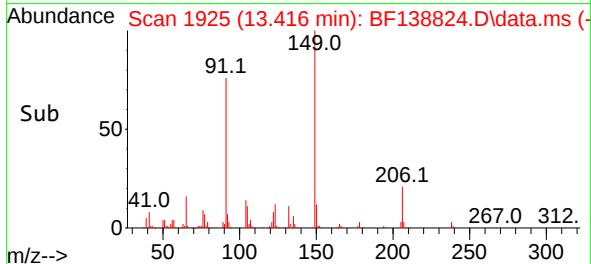
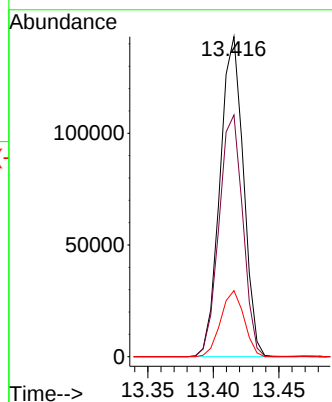
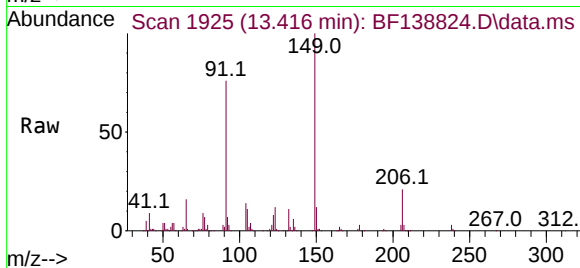
Tgt Ion:149 Resp: 178082

Ion Ratio Lower Upper

149 100

91 75.6 63.7 95.5

206 20.7 16.2 24.2



#81

Benzo(a)anthracene

Concen: 64.716 ng

RT: 13.992 min Scan# 2023

Delta R.T. 0.000 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

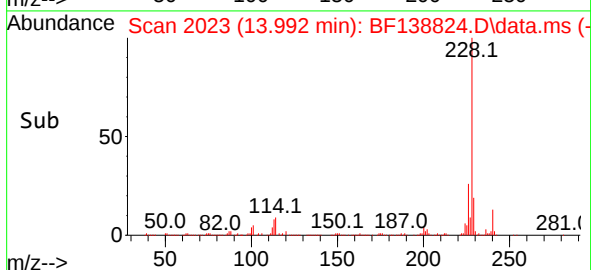
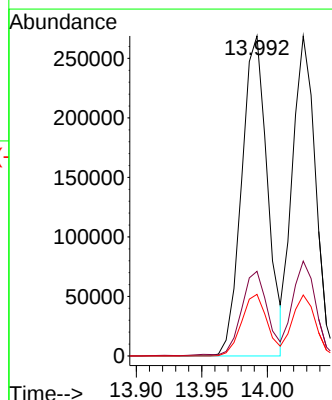
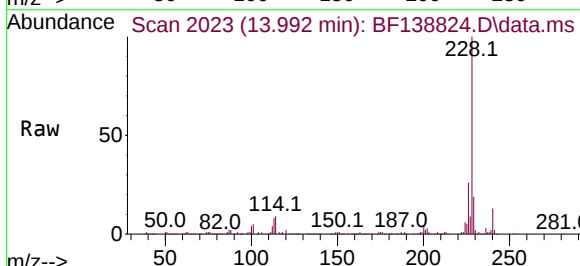
Tgt Ion:228 Resp: 368291

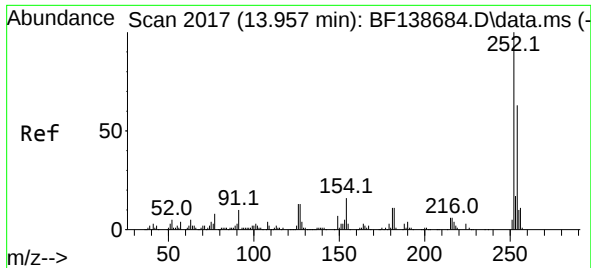
Ion Ratio Lower Upper

228 100

226 26.5 22.1 33.1

229 19.2 15.4 23.0

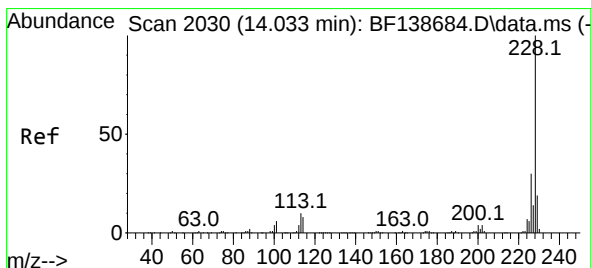
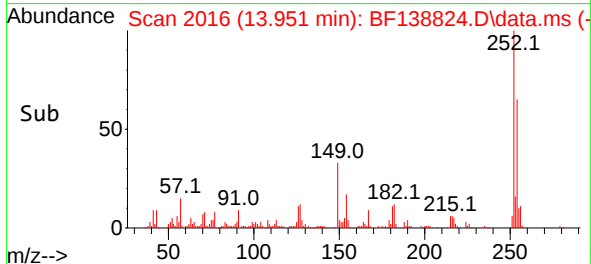
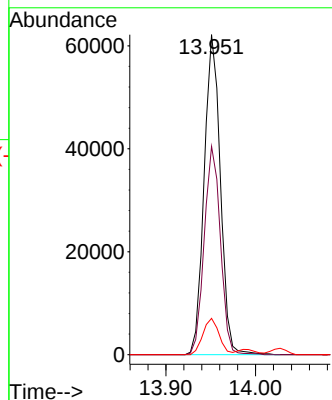
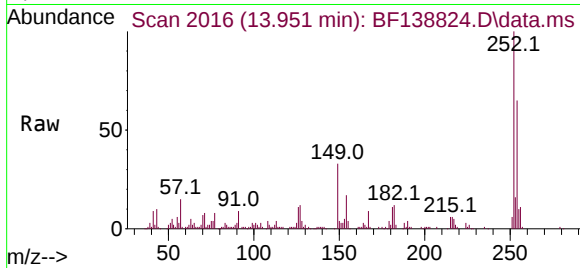




#82
3,3'-Dichlorobenzidine
Concen: 53.619 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

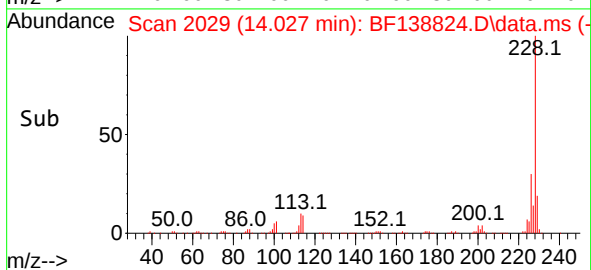
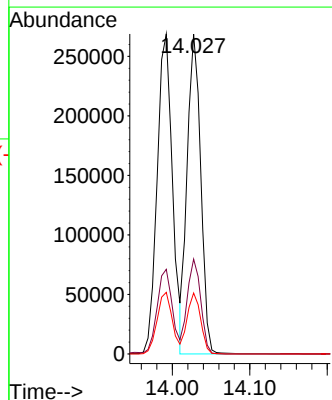
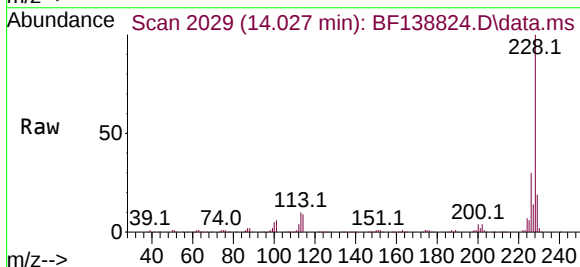
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

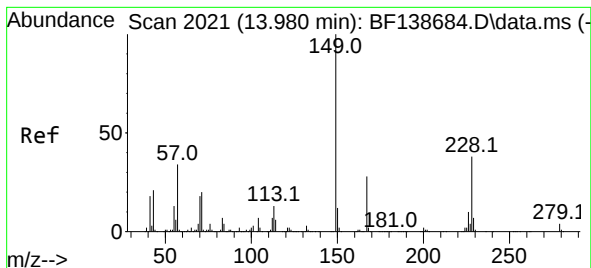
Tgt Ion:252 Resp: 78087
Ion Ratio Lower Upper
252 100
254 65.1 50.8 76.2
126 11.4 10.2 15.2



#83
Chrysene
Concen: 63.531 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF138824.D
Acq: 07 Aug 2024 00:30

Tgt Ion:228 Resp: 326184
Ion Ratio Lower Upper
228 100
226 29.7 23.7 35.5
229 19.1 15.0 22.6

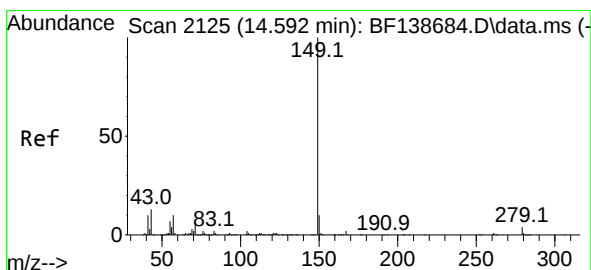
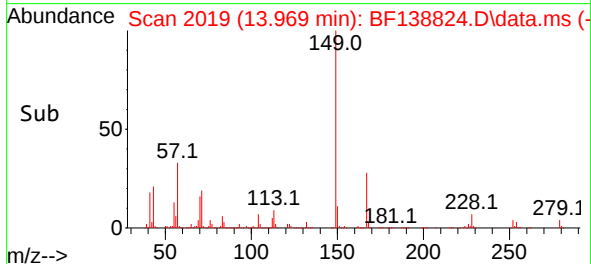
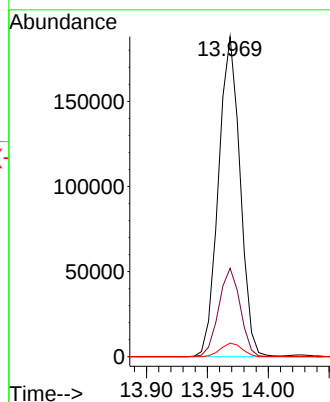
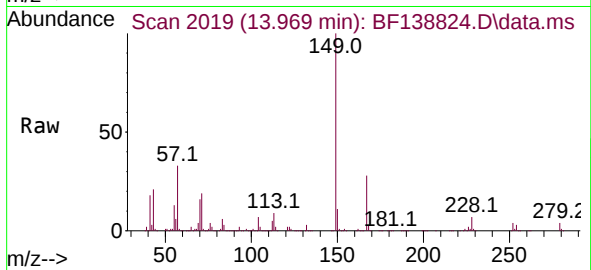




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 63.685 ng
 RT: 13.969 min Scan# 2019
 Delta R.T. -0.012 min
 Lab File: BF138824.D
 Acq: 07 Aug 2024 00:30

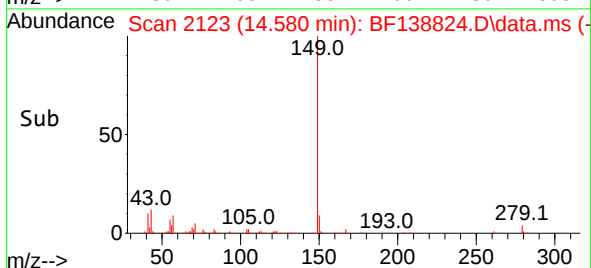
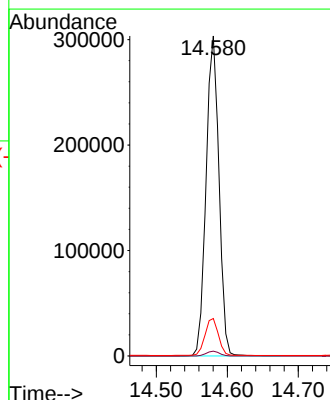
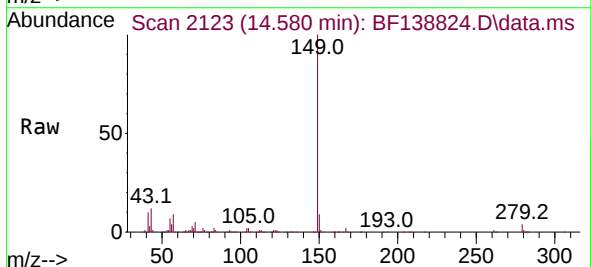
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

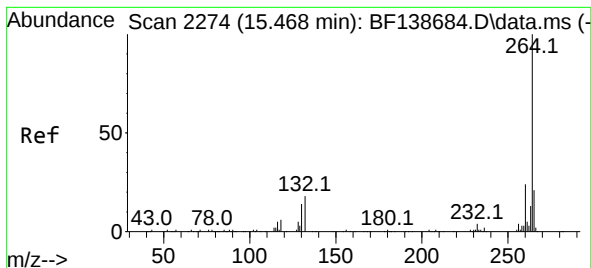
Tgt Ion:149 Resp: 232366
 Ion Ratio Lower Upper
 149 100
 167 27.6 22.2 33.4
 279 4.2 3.4 5.0



#85
 Di-n-octyl phthalate
 Concen: 56.727 ng
 RT: 14.580 min Scan# 2123
 Delta R.T. -0.012 min
 Lab File: BF138824.D
 Acq: 07 Aug 2024 00:30

Tgt Ion:149 Resp: 382944
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.4 2.0
 43 12.2 10.4 15.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

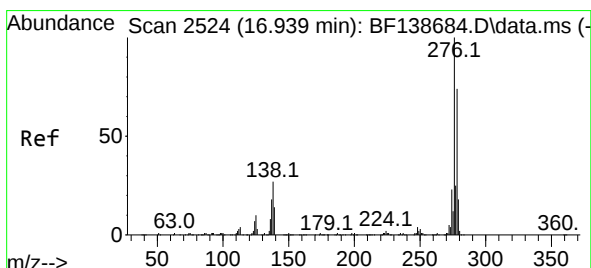
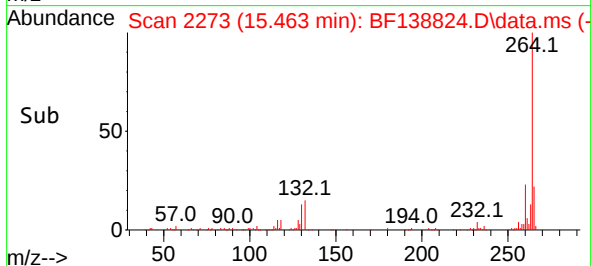
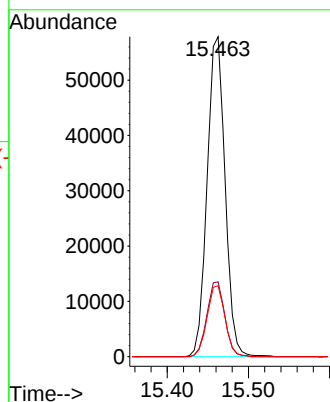
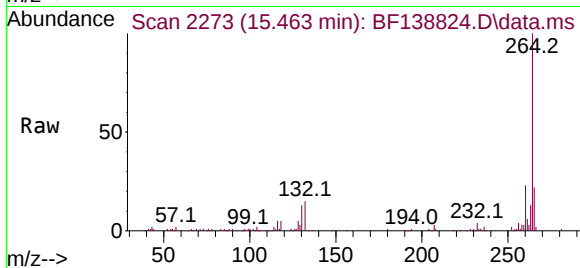
Tgt Ion:264 Resp: 88651

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.6

265 22.2 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 57.605 ng

RT: 16.939 min Scan# 2524

Delta R.T. 0.000 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

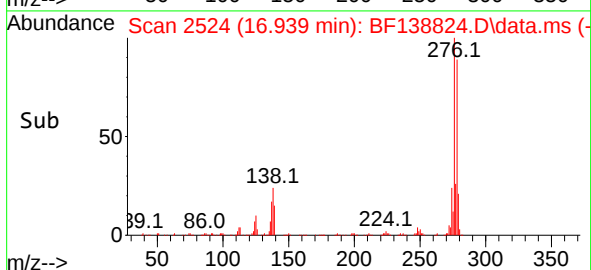
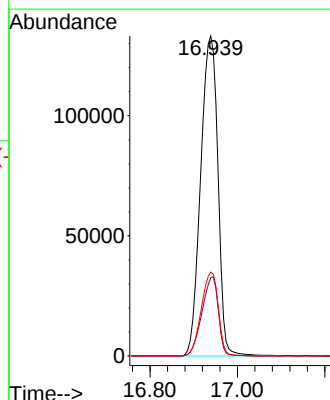
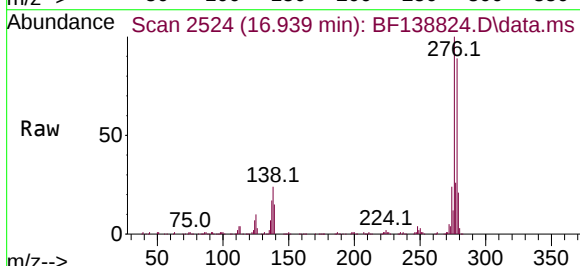
Tgt Ion:276 Resp: 365969

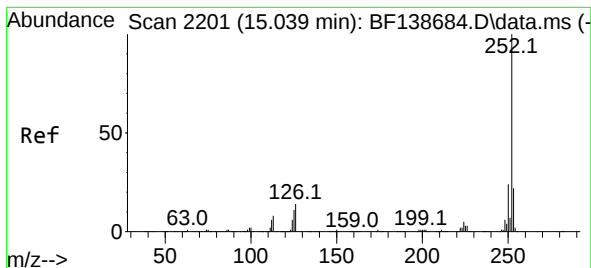
Ion Ratio Lower Upper

276 100

138 23.5 21.8 32.8

277 25.8 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 63.477 ng

RT: 15.039 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

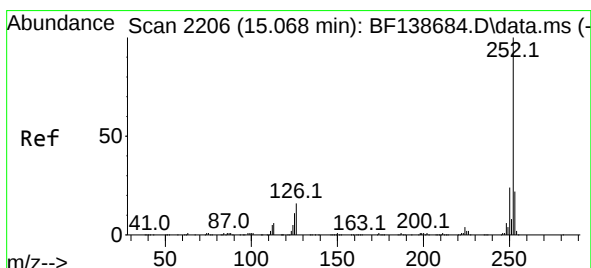
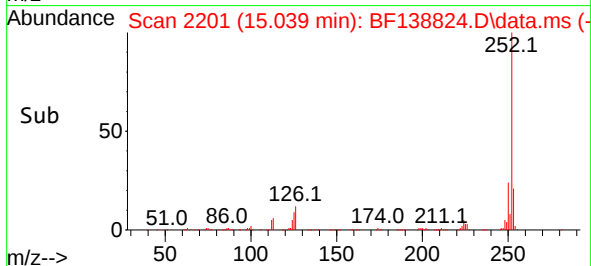
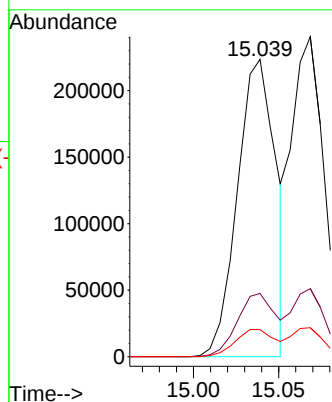
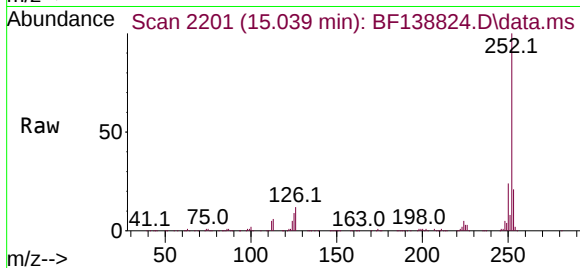
Tgt Ion:252 Resp: 348835

Ion Ratio Lower Upper

252 100

253 21.3 17.5 26.3

125 9.1 8.9 13.3



#89

Benzo(k)fluoranthene

Concen: 67.239 ng

RT: 15.068 min Scan# 2206

Delta R.T. 0.000 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

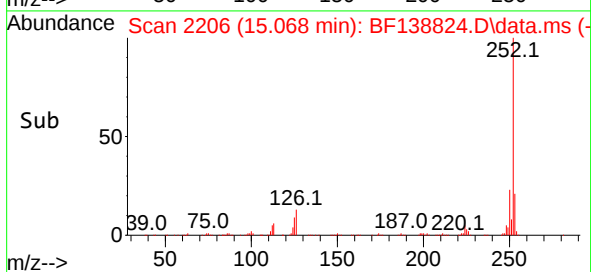
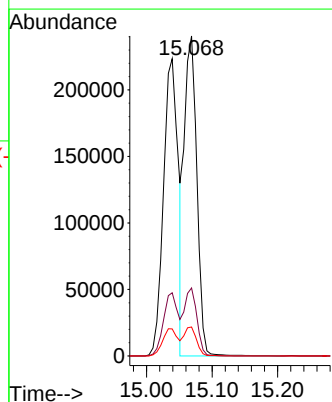
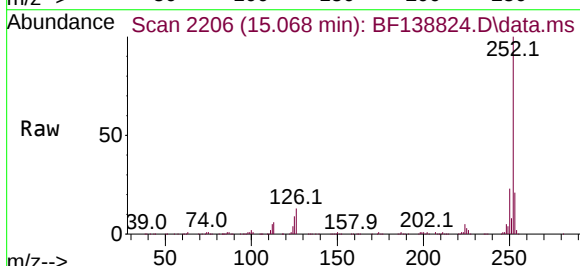
Tgt Ion:252 Resp: 319929

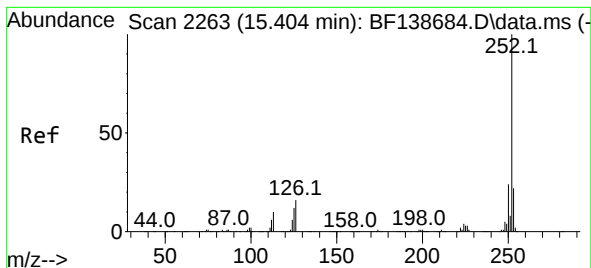
Ion Ratio Lower Upper

252 100

253 21.3 17.4 26.0

125 9.0 8.6 13.0





#90

Benzo(a)pyrene

Concen: 67.568 ng

RT: 15.404 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

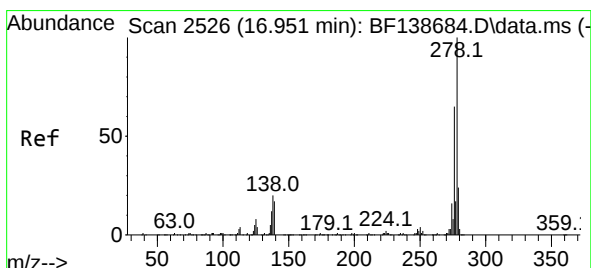
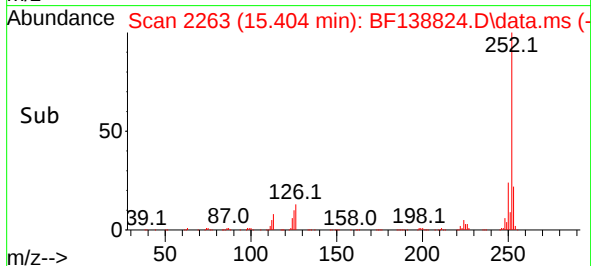
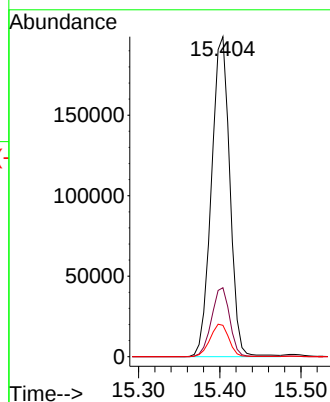
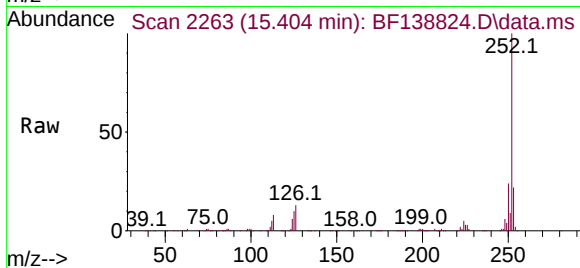
Tgt Ion:252 Resp: 312331

Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 9.8 9.5 14.3



#91

Dibenzo(a,h)anthracene

Concen: 57.431 ng

RT: 16.951 min Scan# 2526

Delta R.T. 0.000 min

Lab File: BF138824.D

Acq: 07 Aug 2024 00:30

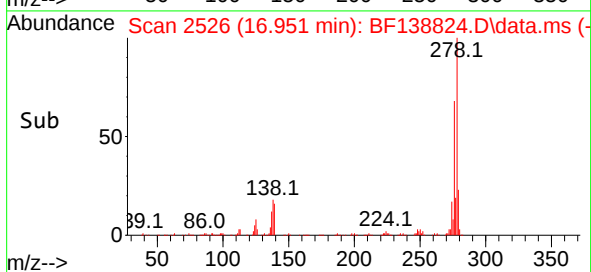
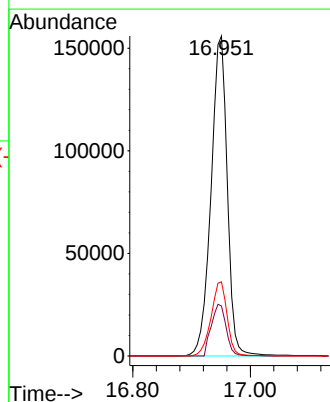
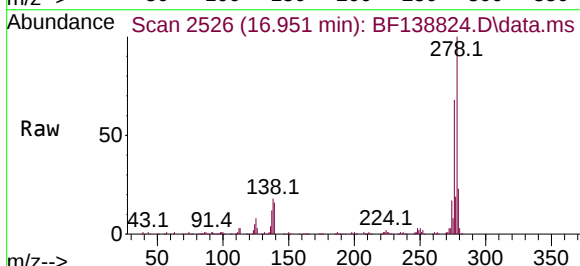
Tgt Ion:278 Resp: 299504

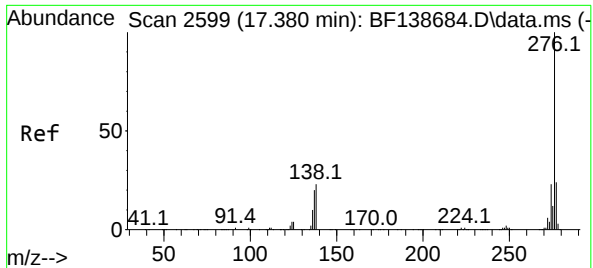
Ion Ratio Lower Upper

278 100

139 15.6 14.0 21.0

279 23.2 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 49.500 ng
 RT: 17.380 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF138824.D
 Acq: 07 Aug 2024 00:30

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Tgt Ion:	276	Resp:	267877
Ion	Ratio	Lower	Upper
276	100		
277	22.7	19.0	28.4
138	20.2	18.5	27.7

