

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110424\
 Data File : BF140225.D
 Acq On : 04 Nov 2024 18:15
 Operator : RC/JU
 Sample : P4368-03
 Misc : MDL-MDL-SOIL-8 PPM
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2024

Quant Time: Nov 04 23:59:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 17:12:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	205677	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	766069	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	444084	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	822948	20.000	ng	0.00
76) Chrysene-d12	14.051	240	547978	20.000	ng	0.00
86) Perylene-d12	15.539	264	468623	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	1354192	111.565	ng	0.00
7) Phenol-d6	6.504	99	1811272	116.295	ng	0.00
23) Nitrobenzene-d5	7.440	82	1236007	81.623	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	690012	140.922	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	2465559	86.781	ng	0.00
79) Terphenyl-d14	12.992	244	2922531	85.092	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.675	88	44395	8.286	ng	97
3) Pyridine	3.469	79	104936	7.973	ng	96
4) n-Nitrosodimethylamine	3.369	42	50850	6.897	ng	# 87
6) Aniline	6.540	93	150187	11.048	ng	96
8) 2-Chlorophenol	6.663	128	111456	8.711	ng	100
9) Benzaldehyde	6.428	77	97030	9.588	ng	96
10) Phenol	6.516	94	143579	8.668	ng	92
11) bis(2-Chloroethyl)ether	6.610	93	109548	8.602	ng	98
12) 1,3-Dichlorobenzene	6.816	146	126835	8.396	ng	97
13) 1,4-Dichlorobenzene	6.893	146	127968	8.386	ng	98
14) 1,2-Dichlorobenzene	7.045	146	120765	8.468	ng	99
15) Benzyl Alcohol	7.010	79	120020	9.838	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.145	45	154959	8.454	ng	100
17) 2-Methylphenol	7.116	107	93241	9.004	ng	96
18) Hexachloroethane	7.387	117	44914	7.906	ng	99
19) n-Nitroso-di-n-propyla...	7.281	70	85023	8.361	ng	96
20) 3+4-Methylphenols	7.269	107	120894	9.073	ng	# 89
22) Acetophenone	7.281	105	175556	9.350	ng	# 91
24) Nitrobenzene	7.451	77	127541	8.068	ng	98
25) Isophorone	7.687	82	228404	8.879	ng	99
26) 2-Nitrophenol	7.769	139	54955	8.858	ng	94
27) 2,4-Dimethylphenol	7.798	122	79422	9.347	ng	96
28) bis(2-Chloroethoxy)met...	7.898	93	139504	9.001	ng	98
29) 2,4-Dichlorophenol	8.004	162	98906	9.204	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	117704	8.921	ng	98
31) Naphthalene	8.175	128	347624	9.001	ng	99
32) Benzoic acid	7.863	122	37831	5.599	ng	95
33) 4-Chloroaniline	8.222	127	130859	10.224	ng	96
34) Hexachlorobutadiene	8.292	225	75706	8.269	ng	100
35) Caprolactam	8.557	113	28289	8.872	ng	94
36) 4-Chloro-3-methylphenol	8.692	107	103723	8.863	ng	98
37) 2-Methylnaphthalene	8.869	142	235962	9.155	ng	97
38) 1-Methylnaphthalene	8.963	142	220874	8.755	ng	100
40) 1,2,4,5-Tetrachloroben...	9.034	216	131528	9.596	ng	99
41) Hexachlorocyclopentadiene	9.022	237	36072	9.596	ng	97
43) 2,4,6-Trichlorophenol	9.145	196	74450	8.895	ng	96

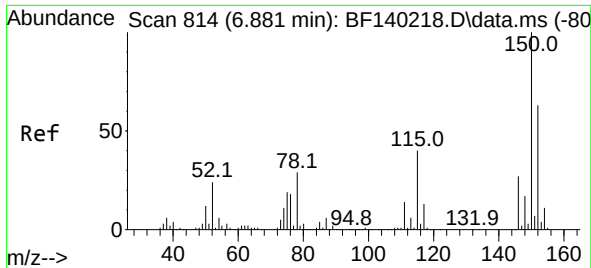
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	80315	9.184	ng	97
46) 1,1'-Biphenyl	9.334	154	313371	9.722	ng	98
47) 2-Chloronaphthalene	9.357	162	228402	9.339	ng	97
48) 2-Nitroaniline	9.451	65	63938	8.410	ng	91
49) Acenaphthylene	9.775	152	353260	10.263	ng	99
50) Dimethylphthalate	9.628	163	257162	9.443	ng	100
51) 2,6-Dinitrotoluene	9.692	165	57347	8.837	ng	88
52) Acenaphthene	9.945	154	216467	8.822	ng	99
53) 3-Nitroaniline	9.857	138	56409	9.526	ng	98
54) 2,4-Dinitrophenol	9.969	184	10622	9.332	ng #	88
55) Dibenzofuran	10.116	168	333898	9.634	ng	96
56) 4-Nitrophenol	10.010	139	33634	7.676	ng	94
57) 2,4-Dinitrotoluene	10.092	165	73816	8.689	ng	93
58) Fluorene	10.463	166	266965	9.632	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	66098	9.123	ng	98
60) Diethylphthalate	10.333	149	259104	9.340	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	134656	9.442	ng	94
62) 4-Nitroaniline	10.469	138	53372	8.866	ng	92
63) Azobenzene	10.616	77	253201	9.001	ng	95
65) 4,6-Dinitro-2-methylph...	10.504	198	24924	5.784	ng	98
66) n-Nitrosodiphenylamine	10.569	169	224170	9.457	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	84348	9.101	ng	99
68) Hexachlorobenzene	11.010	284	96193	9.197	ng	99
69) Atrazine	11.092	200	78679	11.864	ng	99
70) Pentachlorophenol	11.204	266	35685	6.407	ng	99
71) Phenanthrene	11.428	178	388032	9.700	ng	98
72) Anthracene	11.480	178	392965	10.023	ng	99
73) Carbazole	11.633	167	334290	9.402	ng	98
74) Di-n-butylphthalate	11.963	149	391431	9.386	ng	99
75) Fluoranthene	12.616	202	404933	9.450	ng	99
77) Benzidine	12.739	184	97769	10.286	ng	97
78) Pyrene	12.845	202	402572	8.946	ng	98
80) Butylbenzylphthalate	13.469	149	137775	8.729	ng	94
81) Benzo(a)anthracene	14.039	228	331661	9.228	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	98649	9.097	ng	98
83) Chrysene	14.074	228	303772	9.188	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	198358	9.036	ng	99
85) Di-n-octyl phthalate	14.651	149	284598	8.743	ng	97
87) Indeno(1,2,3-cd)pyrene	17.039	276	252974	8.576	ng	99
88) Benzo(b)fluoranthene	15.098	252	259776	8.789	ng	99
89) Benzo(k)fluoranthene	15.127	252	237131	9.002	ng	99
90) Benzo(a)pyrene	15.474	252	216840	9.102	ng	100
91) Dibenzo(a,h)anthracene	17.057	278	202688	8.437	ng	99
92) Benzo(g,h,i)perylene	17.492	276	192298	7.840	ng	99

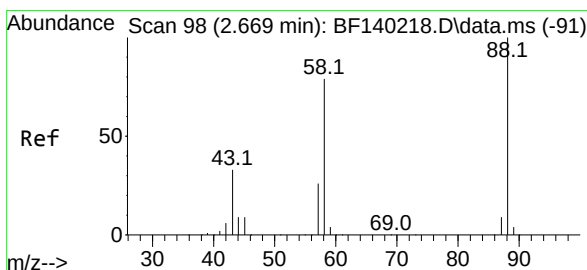
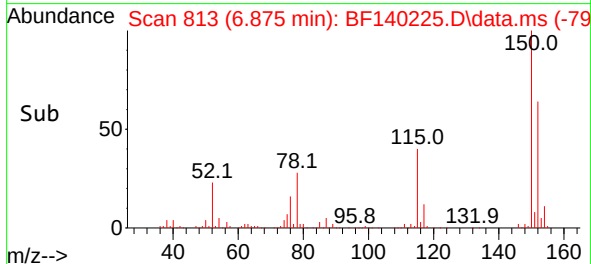
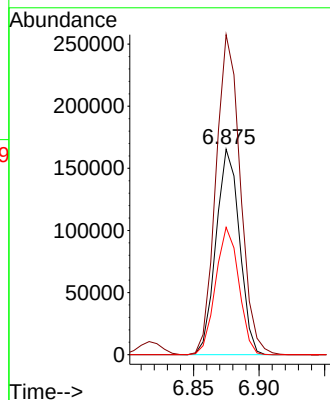
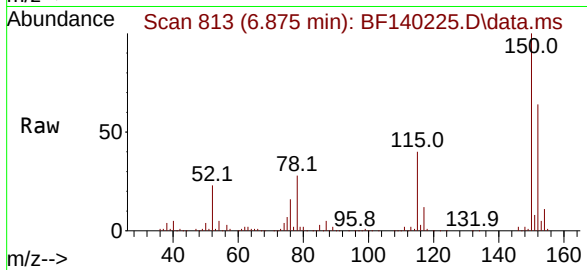
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF140225.D
 Acq: 04 Nov 2024 18:15

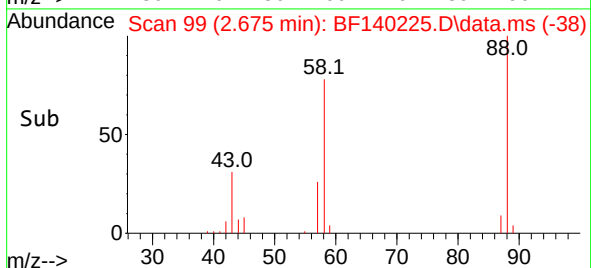
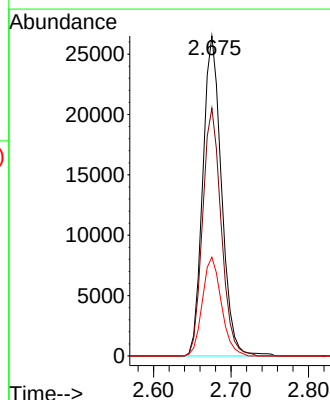
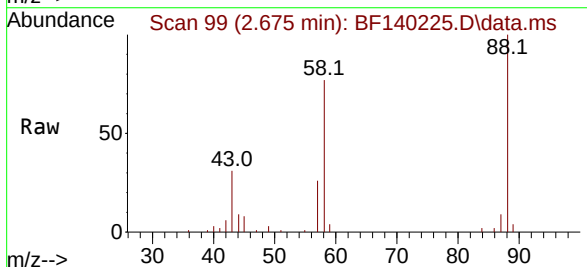
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2024

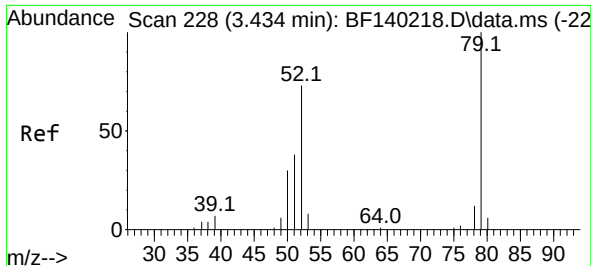
Tgt Ion:152 Resp: 205677
 Ion Ratio Lower Upper
 152 100
 150 155.8 127.8 191.8
 115 62.0 50.7 76.1



#2
 1,4-Dioxane
 Concen: 8.286 ng
 RT: 2.675 min Scan# 99
 Delta R.T. 0.006 min
 Lab File: BF140225.D
 Acq: 04 Nov 2024 18:15

Tgt Ion: 88 Resp: 44395
 Ion Ratio Lower Upper
 88 100
 58 76.8 63.4 95.2
 43 31.3 26.8 40.2





#3

Pyridine

Concen: 7.973 ng

RT: 3.469 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

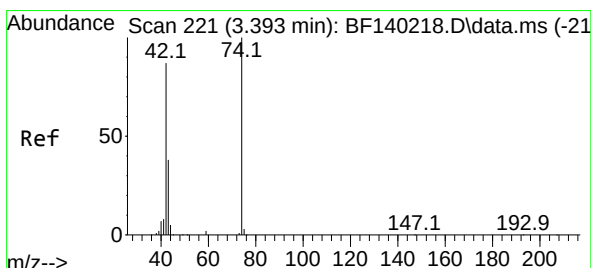
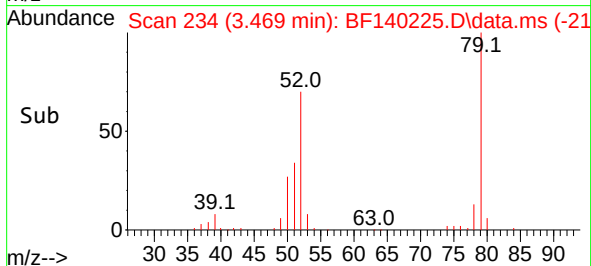
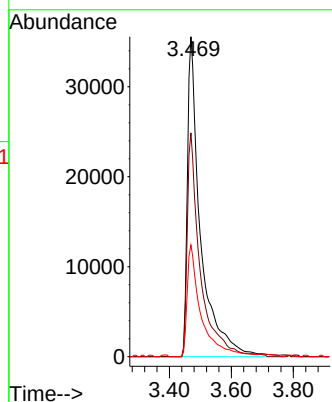
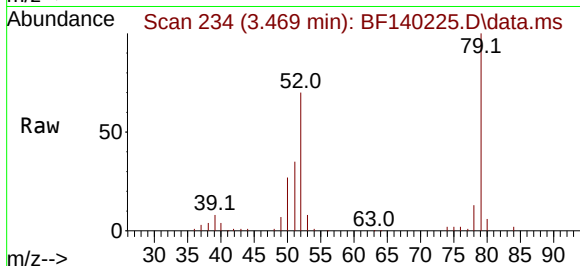
Tgt Ion: 79 Resp: 104936

Ion Ratio Lower Upper

79 100

52 70.0 58.2 87.4

51 34.9 30.6 46.0



#4

n-Nitrosodimethylamine

Concen: 6.897 ng

RT: 3.369 min Scan# 217

Delta R.T. -0.023 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

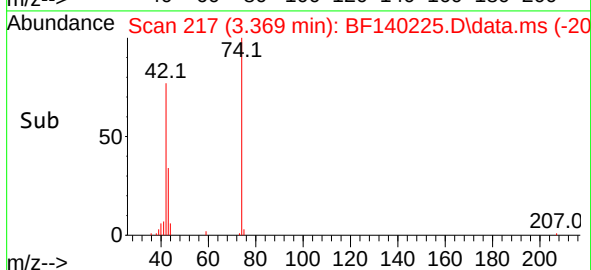
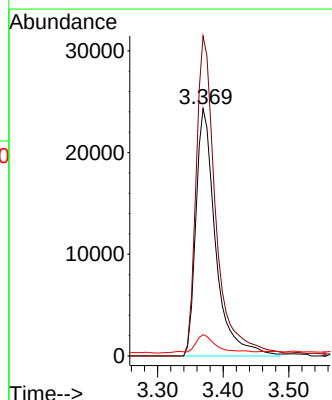
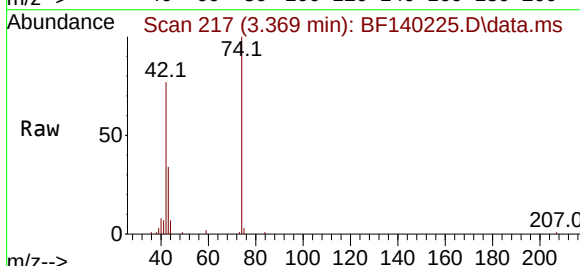
Tgt Ion: 42 Resp: 50850

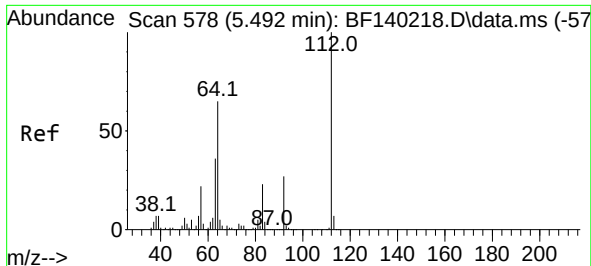
Ion Ratio Lower Upper

42 100

74 129.3 92.0 138.0

44 8.6 5.0 7.6#

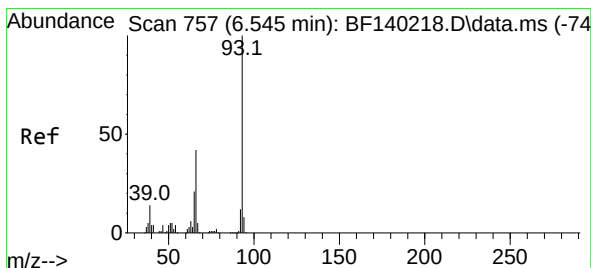
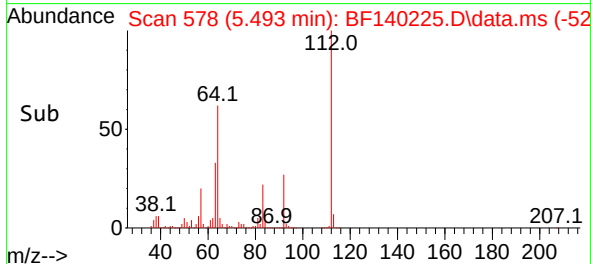
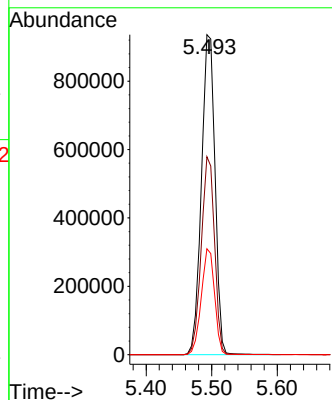
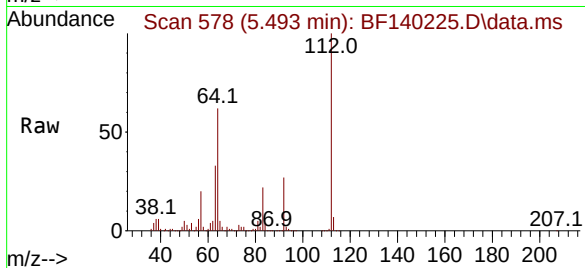




#5
2-Fluorophenol
Concen: 111.565 ng
RT: 5.493 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

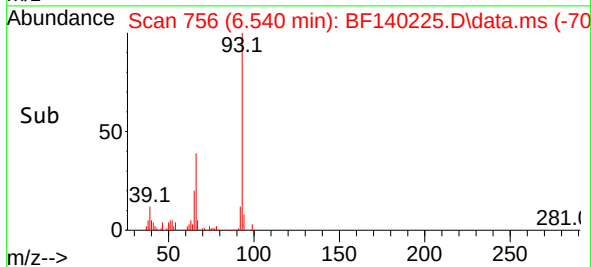
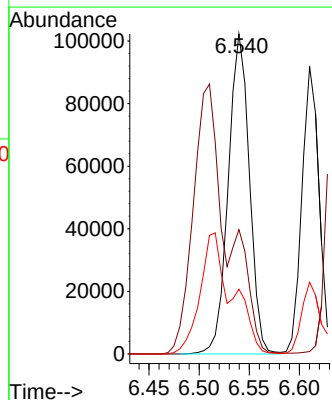
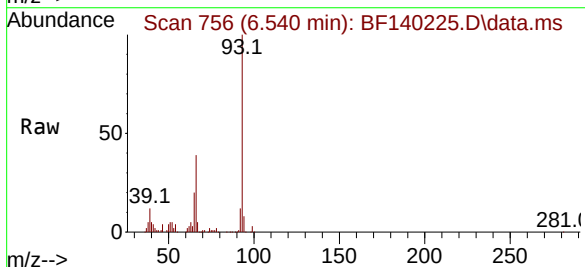
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MDL-SOIL-03-QT4-2024

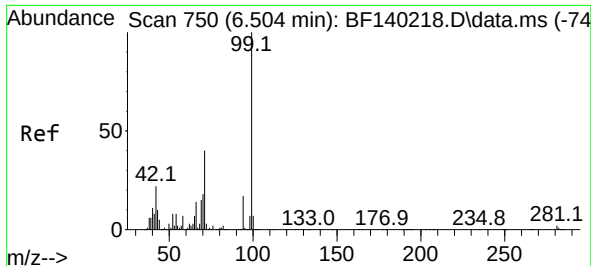
Tgt Ion:112 Resp: 1354192
Ion Ratio Lower Upper
112 100
64 61.9 51.8 77.6
63 33.1 28.4 42.6



#6
Aniline
Concen: 11.048 ng
RT: 6.540 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion: 93 Resp: 150187
Ion Ratio Lower Upper
93 100
66 38.9 33.7 50.5
65 20.2 17.2 25.8





#7

Phenol-d6

Concen: 116.295 ng

RT: 6.504 min Scan# 750

Delta R.T. 0.000 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

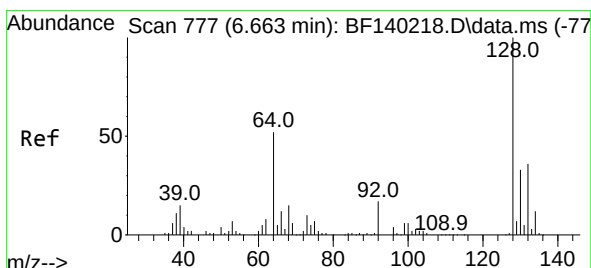
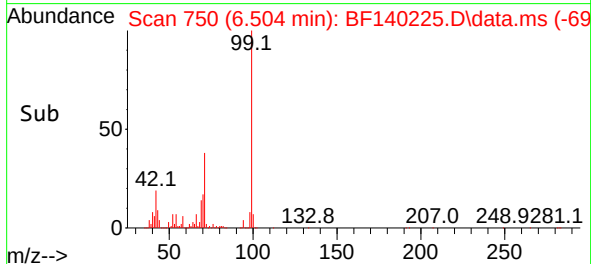
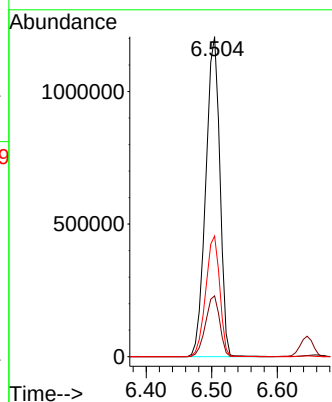
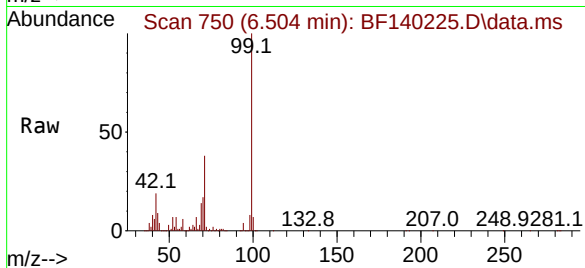
Tgt Ion: 99 Resp: 1811272

Ion Ratio Lower Upper

99 100

42 19.0 17.8 26.6

71 37.7 32.0 48.0



#8

2-Chlorophenol

Concen: 8.711 ng

RT: 6.663 min Scan# 777

Delta R.T. 0.000 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

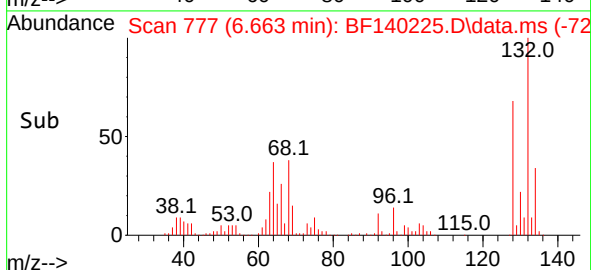
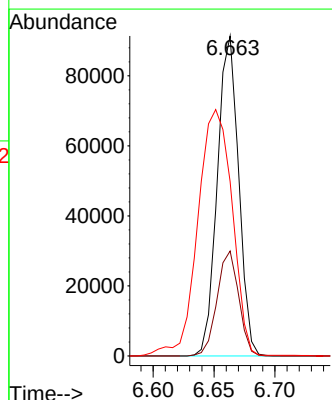
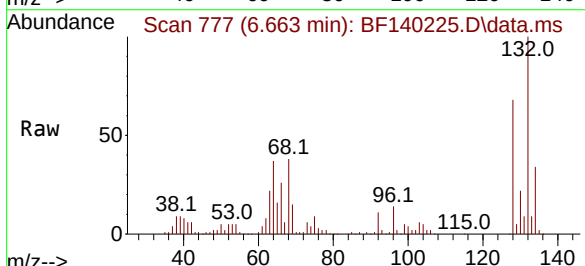
Tgt Ion:128 Resp: 111456

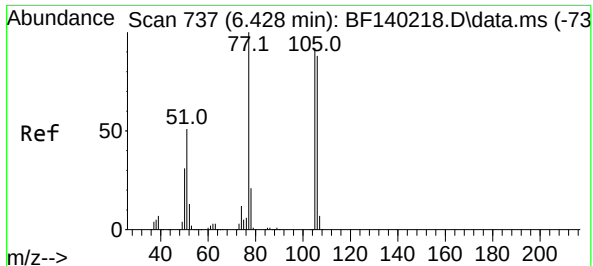
Ion Ratio Lower Upper

128 100

130 32.8 13.0 53.0

64 54.5 34.4 74.4





#9

Benzaldehyde

Concen: 9.588 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

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BNA_F

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MDL-SOIL-03-QT4-2024

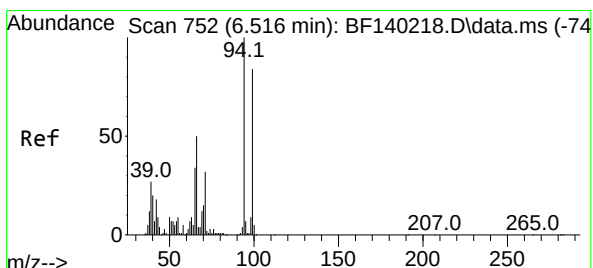
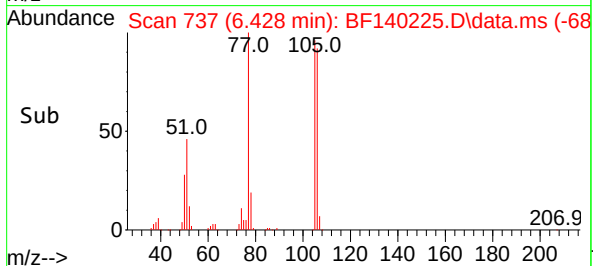
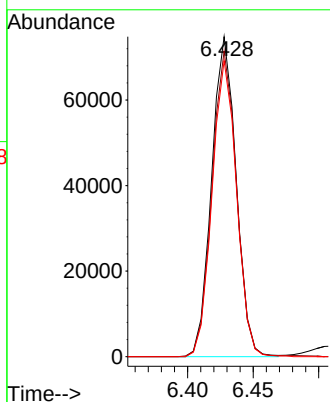
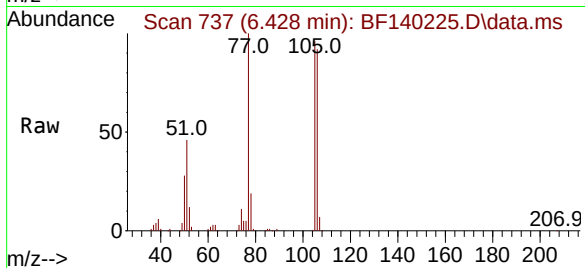
Tgt Ion: 77 Resp: 97030

Ion Ratio Lower Upper

77 100

105 95.6 71.7 111.7

106 92.5 67.9 107.9



#10

Phenol

Concen: 8.668 ng

RT: 6.516 min Scan# 752

Delta R.T. 0.000 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

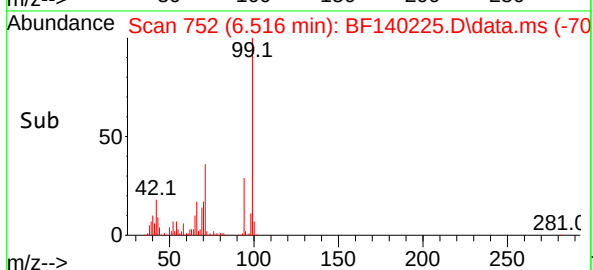
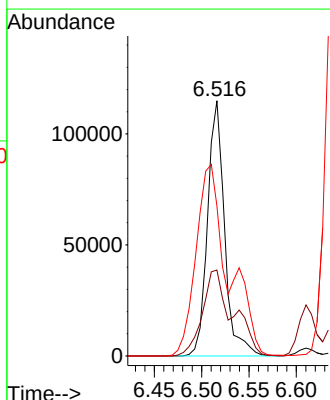
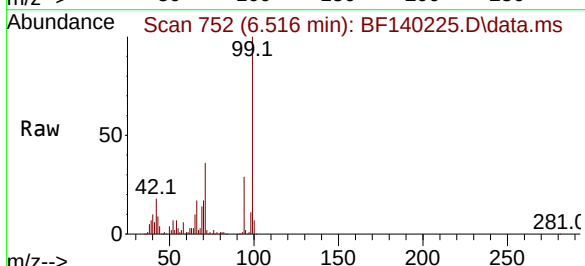
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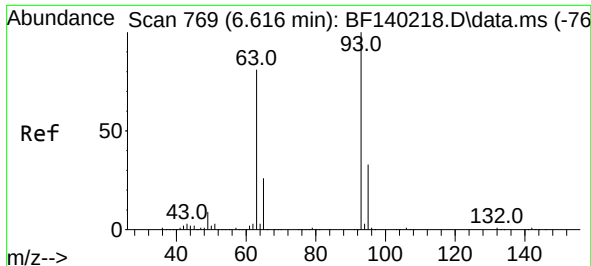
Ion Ratio Lower Upper

94 100

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66 58.8 30.2 70.2

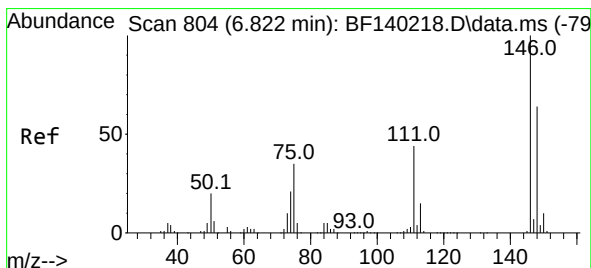
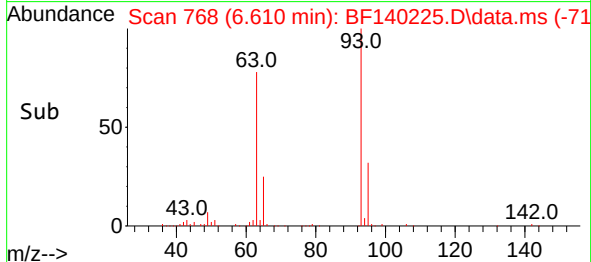
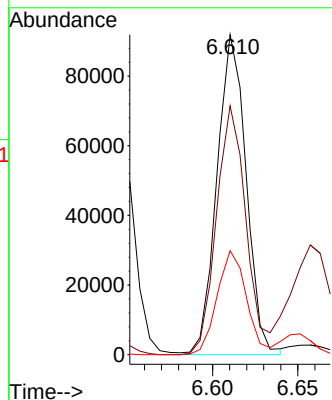
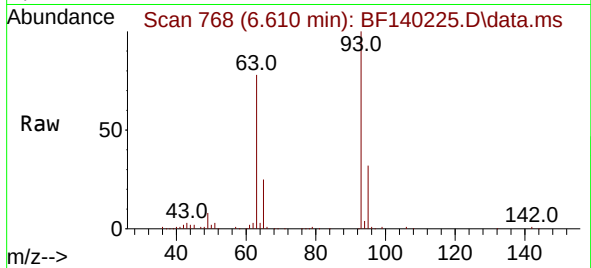




#11
bis(2-Chloroethyl)ether
Concen: 8.602 ng
RT: 6.610 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

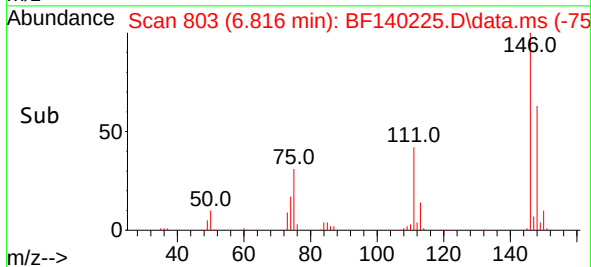
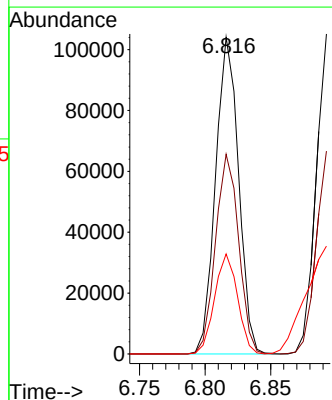
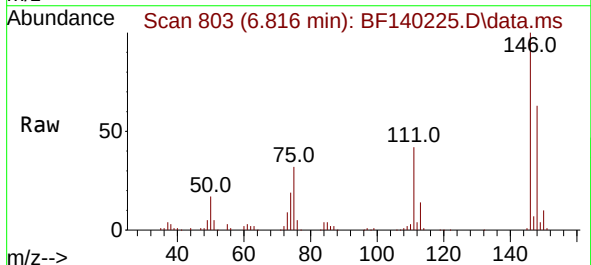
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

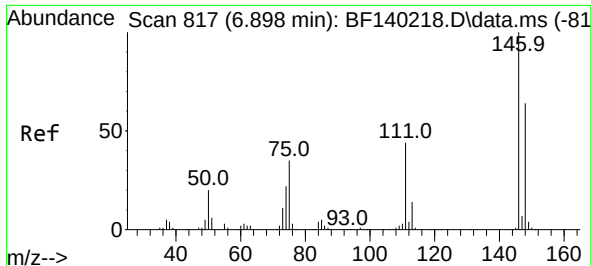
Tgt Ion: 93 Resp: 109548
Ion Ratio Lower Upper
93 100
63 77.8 59.8 99.8
95 32.5 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 8.396 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion:146 Resp: 126835
Ion Ratio Lower Upper
146 100
148 63.1 51.0 76.4
75 31.6 28.2 42.4

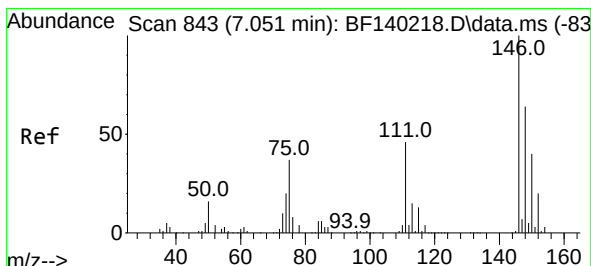
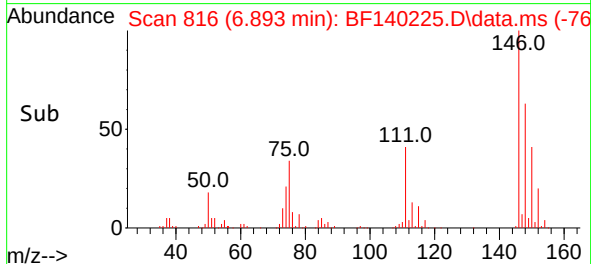
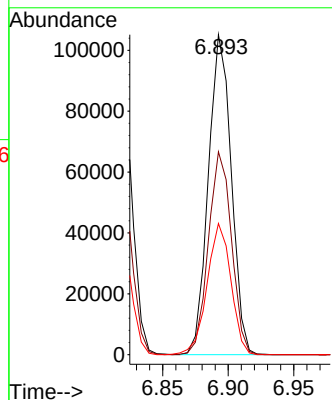
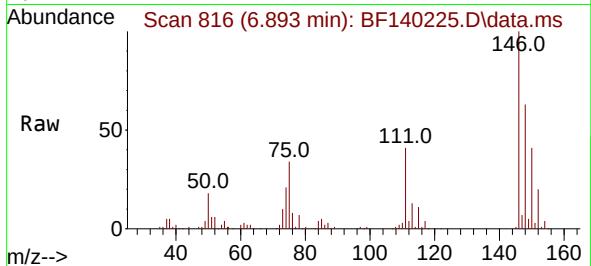




#13
1,4-Dichlorobenzene
Concen: 8.386 ng
RT: 6.893 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

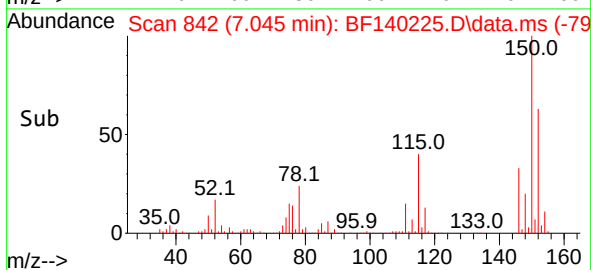
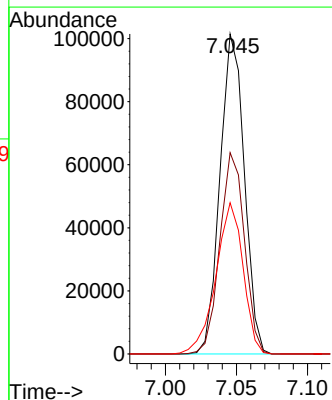
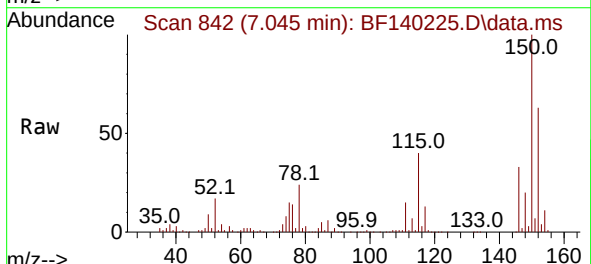
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

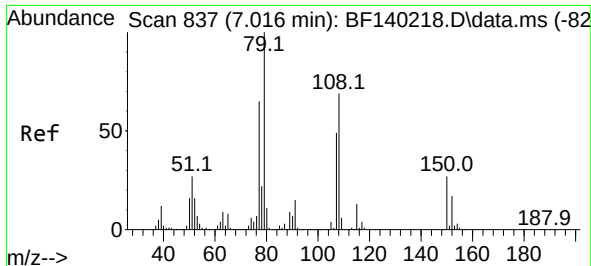
Tgt Ion:146 Resp: 127968
Ion Ratio Lower Upper
146 100
148 63.4 51.4 77.0
111 41.0 34.9 52.3



#14
1,2-Dichlorobenzene
Concen: 8.468 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion:146 Resp: 120765
Ion Ratio Lower Upper
146 100
148 62.9 51.3 76.9
111 47.3 37.1 55.7

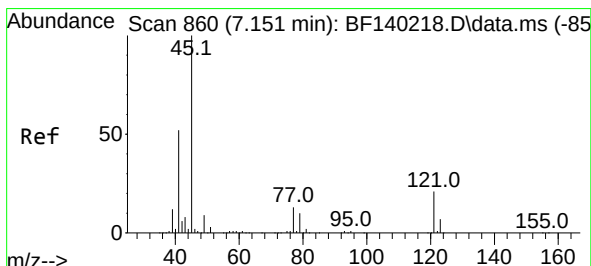
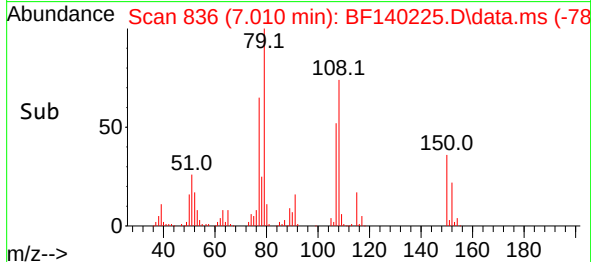
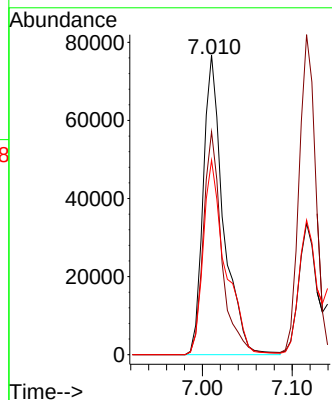
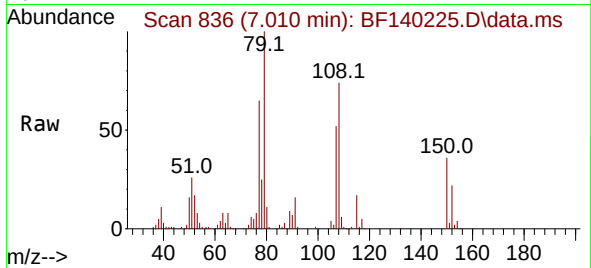




#15
Benzyl Alcohol
Concen: 9.838 ng
RT: 7.010 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

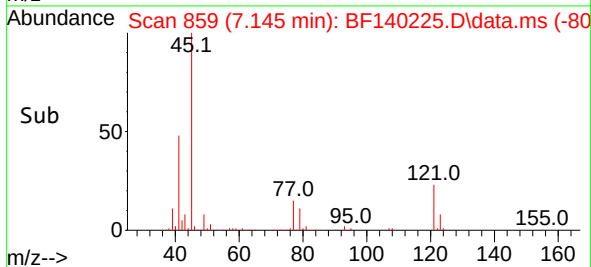
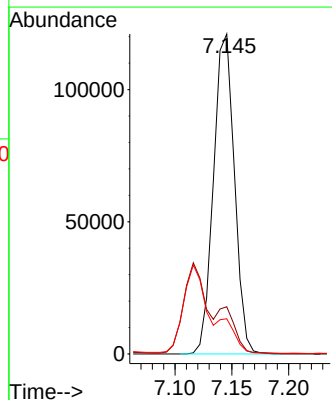
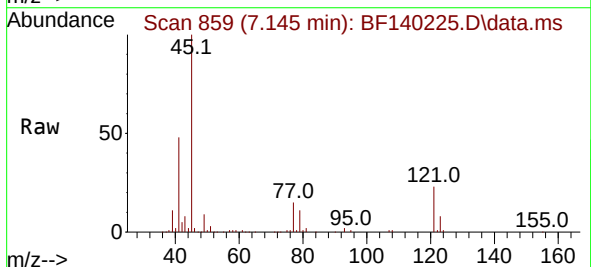
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

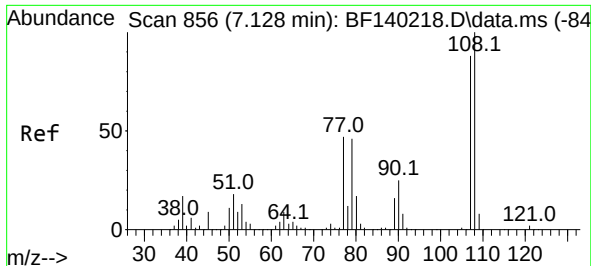
Tgt Ion: 79 Resp: 120020
Ion Ratio Lower Upper
79 100
108 74.4 55.6 83.4
77 64.9 51.9 77.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.454 ng
RT: 7.145 min Scan# 859
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion: 45 Resp: 154959
Ion Ratio Lower Upper
45 100
77 14.7 0.0 34.5
79 11.0 0.0 31.0

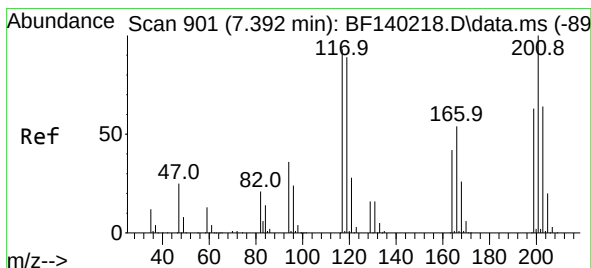
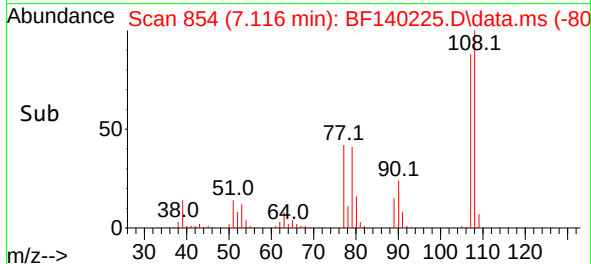
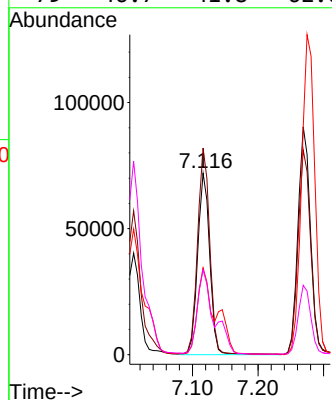
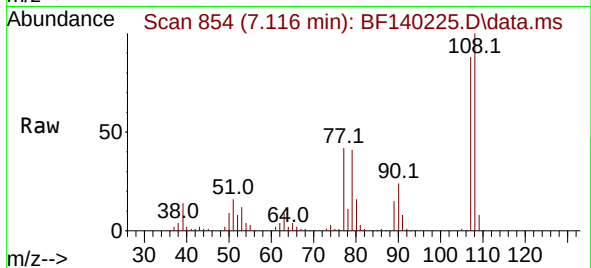




#17
2-Methylphenol
Concen: 9.004 ng
RT: 7.116 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

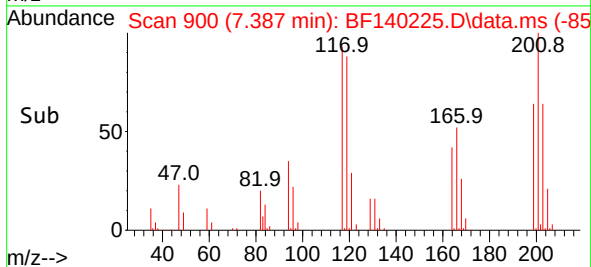
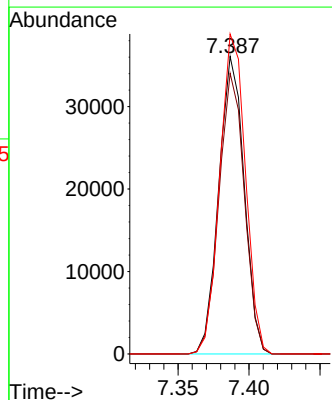
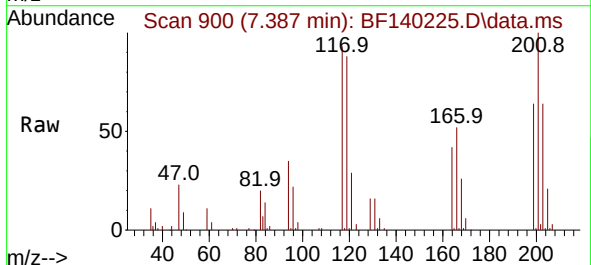
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

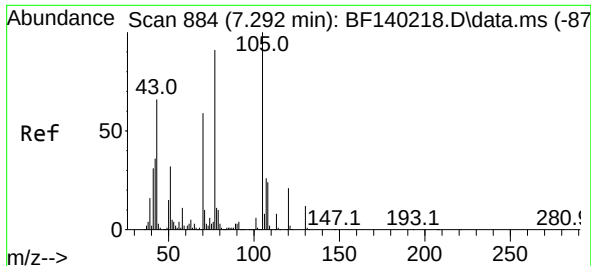
Tgt Ion:107 Resp: 93241
Ion Ratio Lower Upper
107 100
108 113.9 91.4 137.0
77 47.9 43.0 64.4
79 46.7 41.8 62.6



#18
Hexachloroethane
Concen: 7.906 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion:117 Resp: 44914
Ion Ratio Lower Upper
117 100
119 94.3 77.0 115.4
201 107.5 86.2 129.4

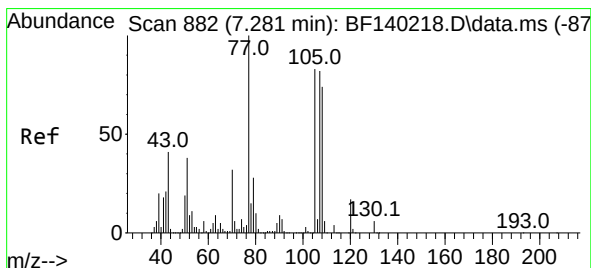
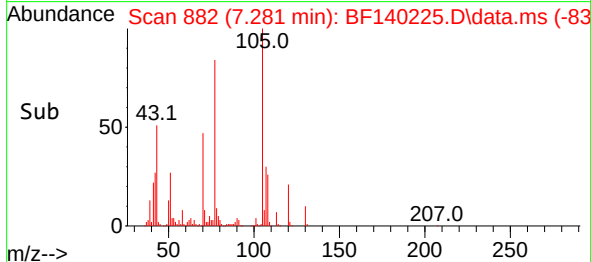
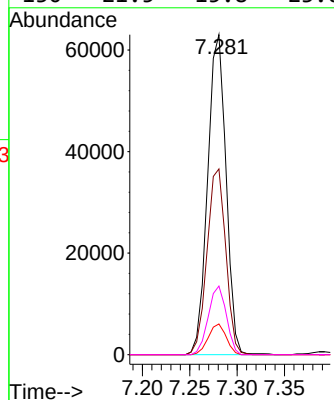
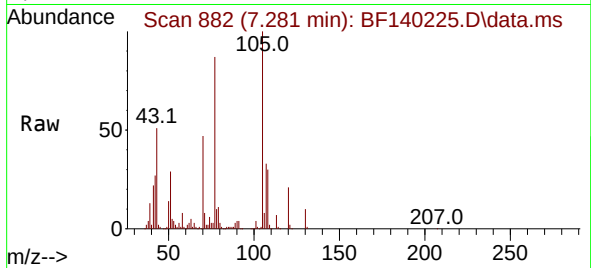




#19
n-Nitroso-di-n-propylamine
Concen: 8.361 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

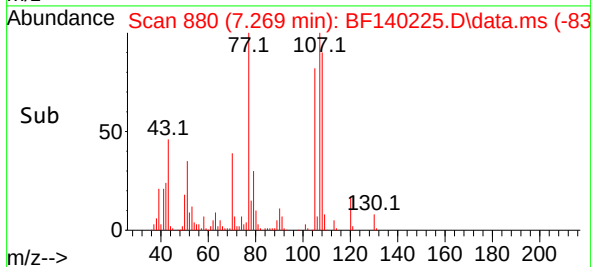
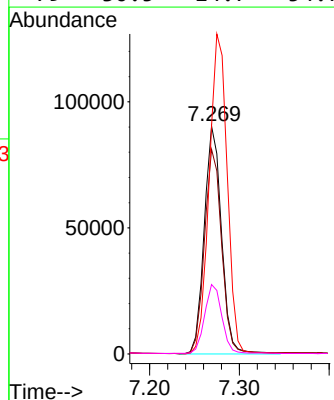
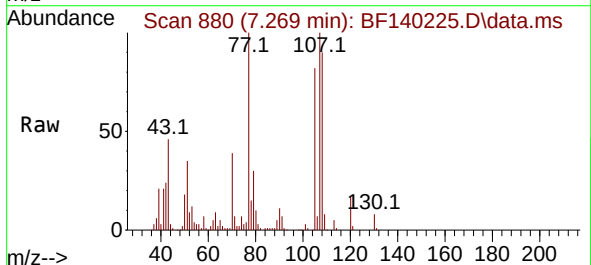
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

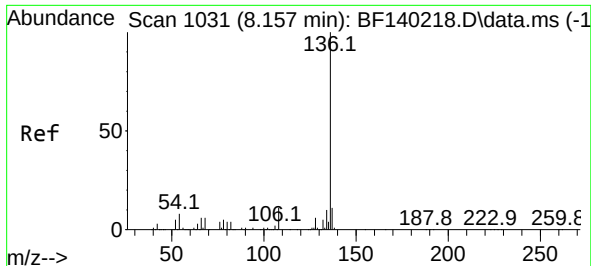
Tgt Ion:	70	Resp:	85023
Ion	Ratio	Lower	Upper
70	100		
42	58.0	49.2	73.8
101	9.6	7.5	11.3
130	21.5	15.8	23.6



#20
3+4-Methylphenols
Concen: 9.073 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion:	107	Resp:	120894
Ion	Ratio	Lower	Upper
107	100		
108	89.8	70.0	110.0
77	100.1	101.9	141.9#
79	30.5	14.7	54.7

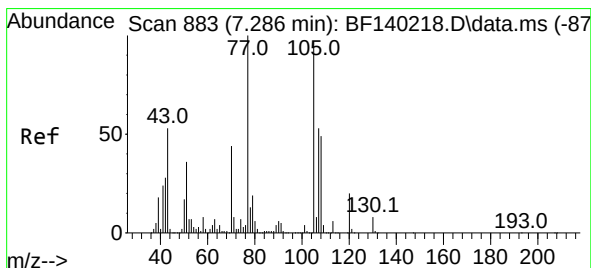
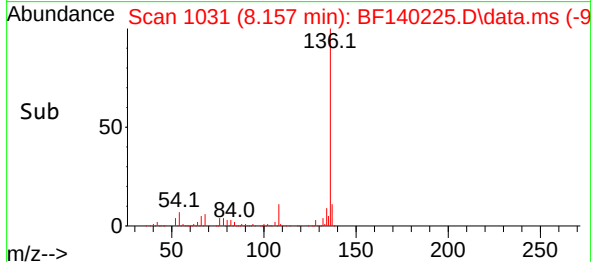
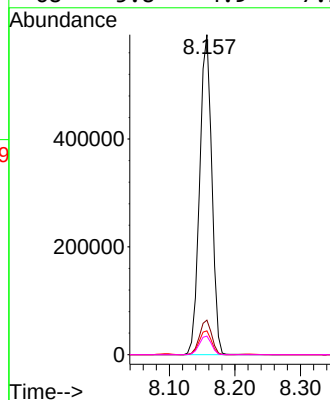
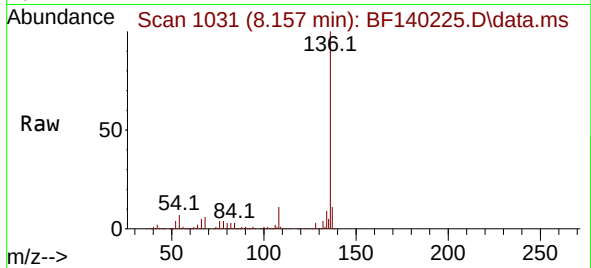




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

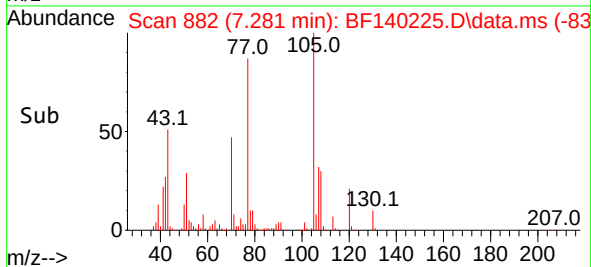
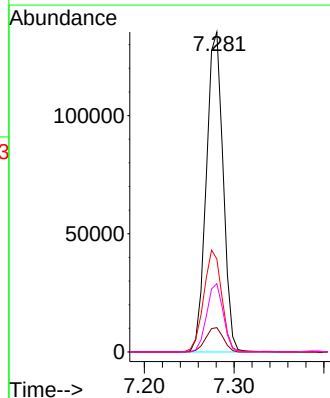
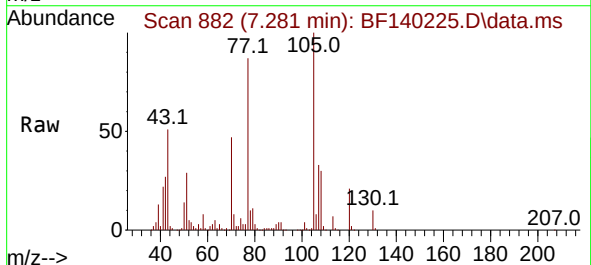
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

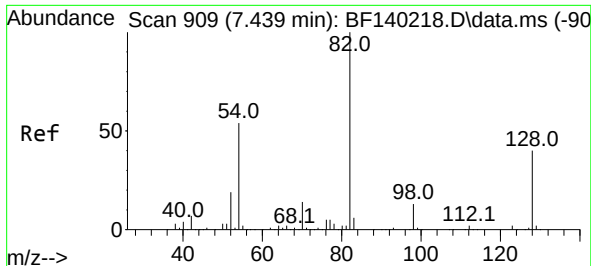
Tgt Ion:	136	Resp:	766069
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	7.4	6.9	10.3
68	5.8	4.9	7.3



#22
Acetophenone
Concen: 9.350 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion:	105	Resp:	175556
Ion	Ratio	Lower	Upper
105	100		
71	7.6	6.2	9.4
51	29.0	30.1	45.1#
120	21.4	16.6	25.0





#23

Nitrobenzene-d5

Concen: 81.623 ng

RT: 7.440 min Scan# 909

Delta R.T. 0.000 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

Instrument :

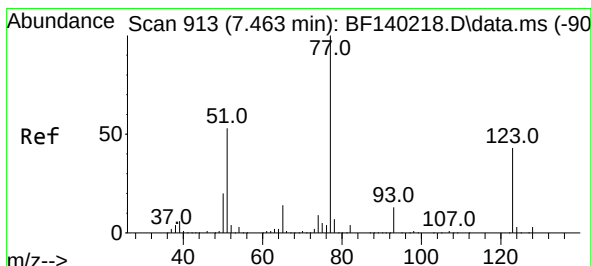
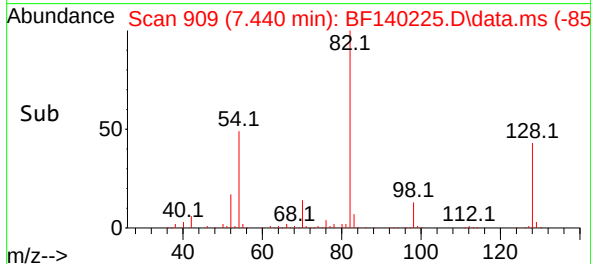
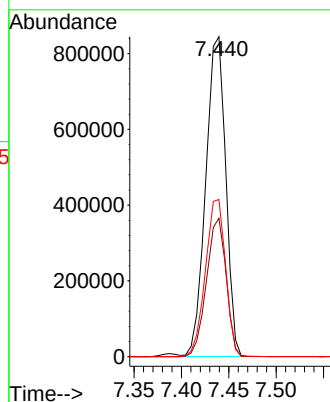
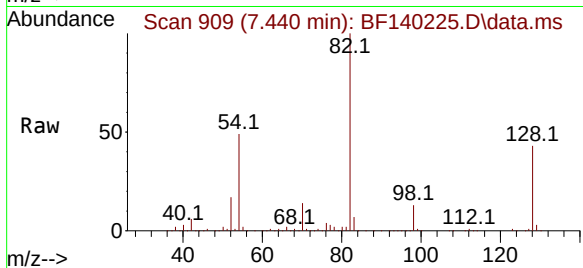
BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion: 82 Resp: 1236007

Ion	Ratio	Lower	Upper
82	100		
128	43.2	31.4	47.2
54	49.1	42.7	64.1



#24

Nitrobenzene

Concen: 8.068 ng

RT: 7.451 min Scan# 911

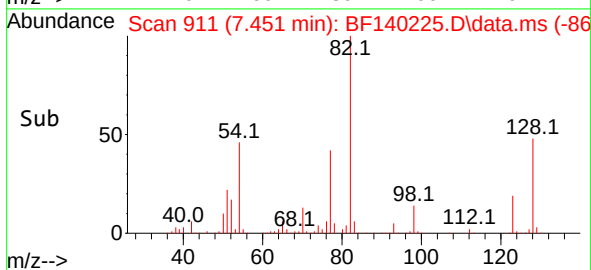
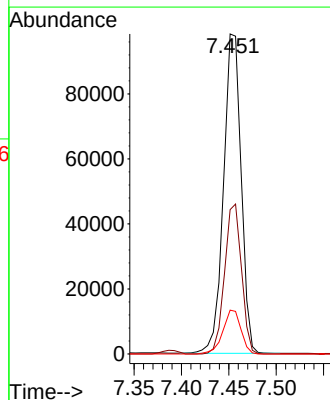
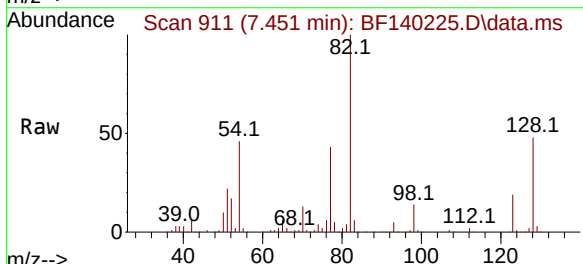
Delta R.T. -0.012 min

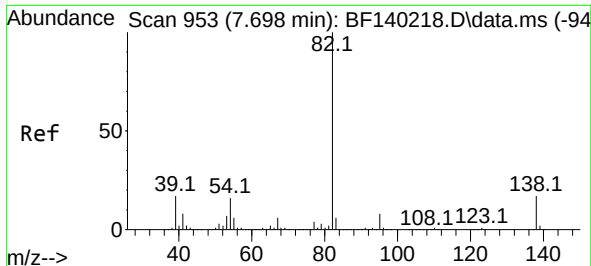
Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

Tgt Ion: 77 Resp: 127541

Ion	Ratio	Lower	Upper
77	100		
123	45.1	34.6	51.8
65	13.7	11.4	17.0

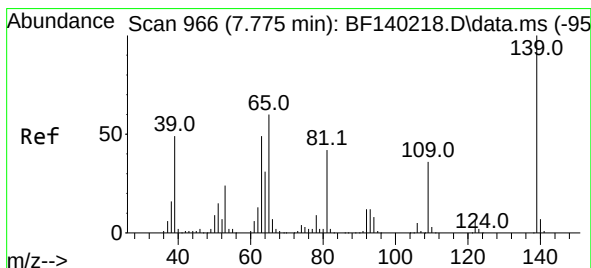
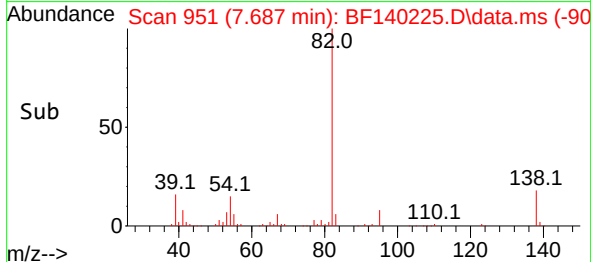
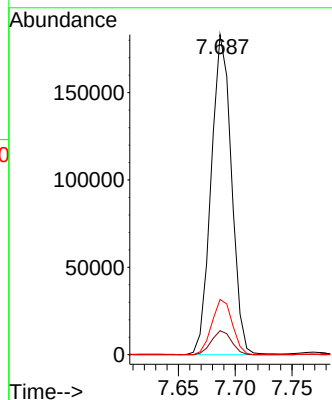
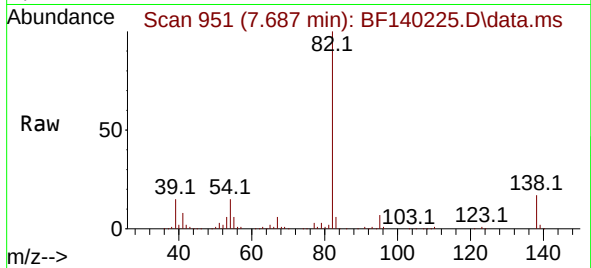




#25
Isophorone
Concen: 8.879 ng
RT: 7.687 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

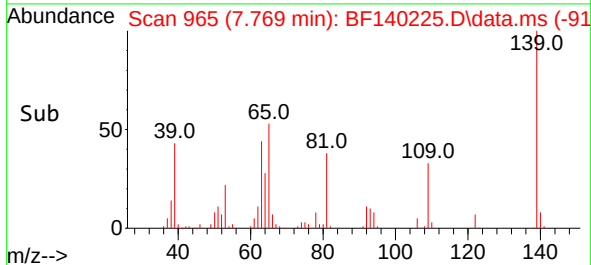
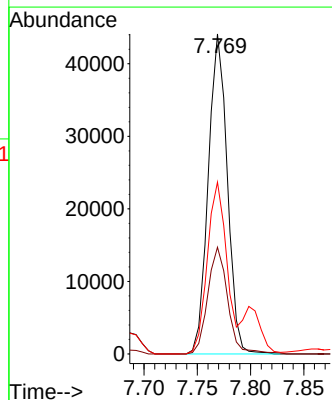
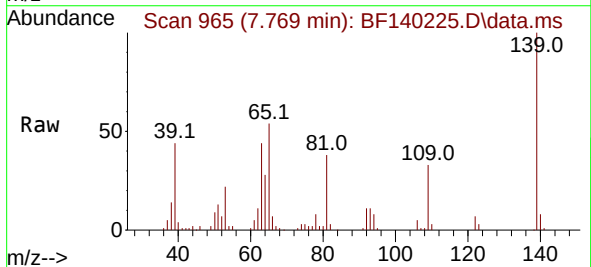
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

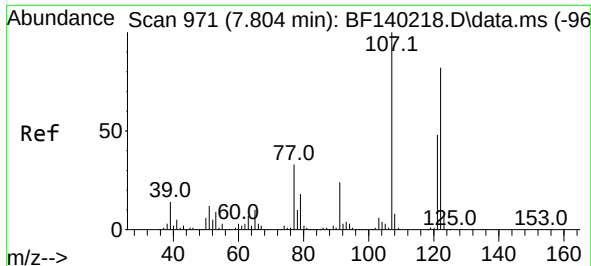
Tgt Ion: 82 Resp: 228404
Ion Ratio Lower Upper
82 100
95 7.5 6.2 9.4
138 17.2 13.2 19.8



#26
2-Nitrophenol
Concen: 8.858 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion:139 Resp: 54955
Ion Ratio Lower Upper
139 100
109 33.3 28.6 42.8
65 53.7 47.8 71.6





#27

2,4-Dimethylphenol

Concen: 9.347 ng

RT: 7.798 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

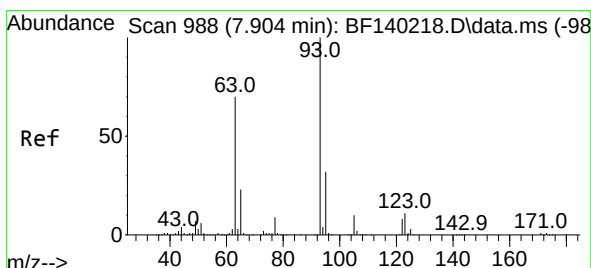
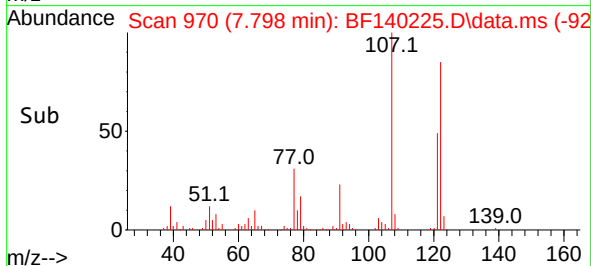
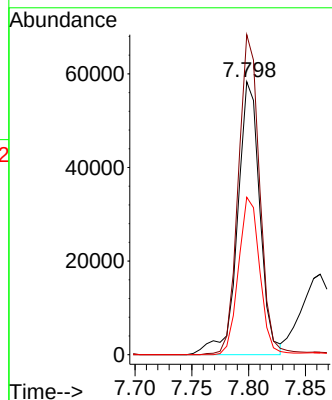
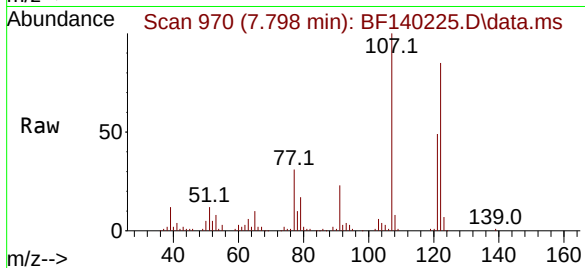
Tgt Ion:122 Resp: 79422

Ion Ratio Lower Upper

122 100

107 117.2 97.9 146.9

121 57.7 47.0 70.4



#28

bis(2-Chloroethoxy)methane

Concen: 9.001 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.006 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

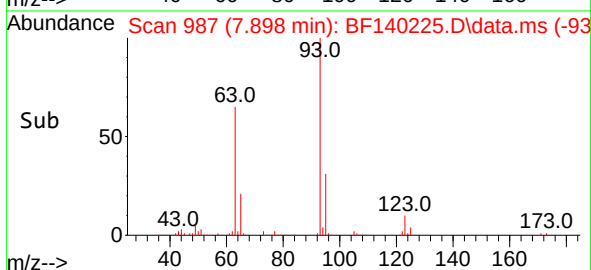
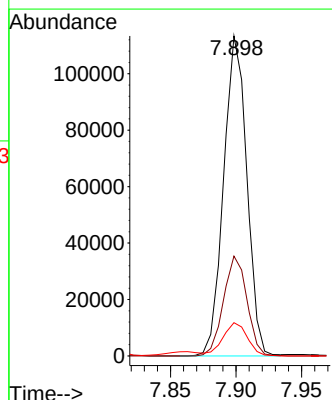
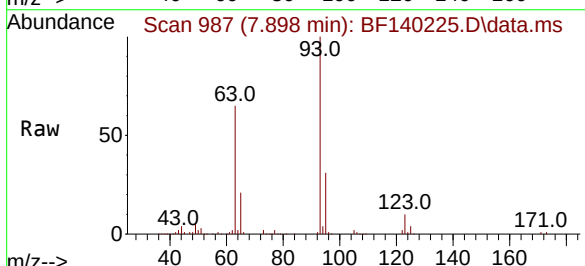
Tgt Ion: 93 Resp: 139504

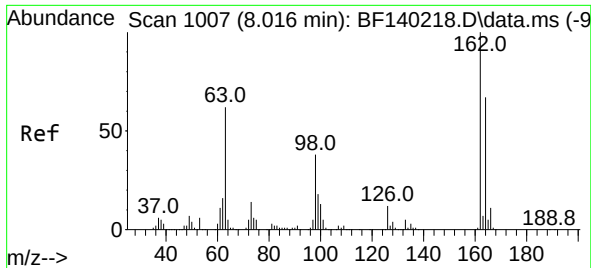
Ion Ratio Lower Upper

93 100

95 31.2 25.8 38.8

123 10.4 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 9.204 ng

RT: 8.004 min Scan# 1005

Delta R.T. -0.012 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

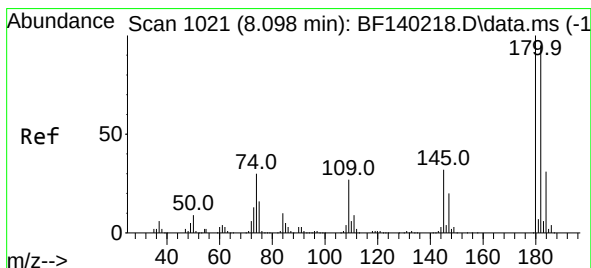
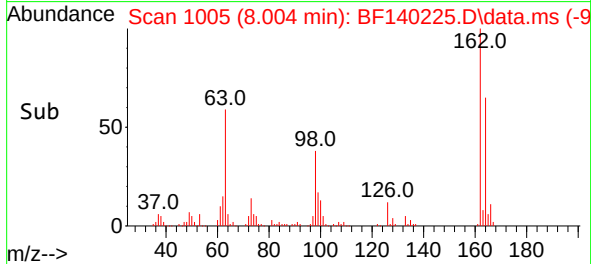
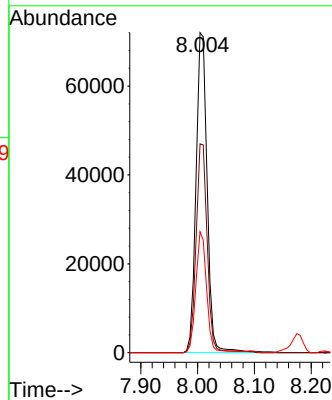
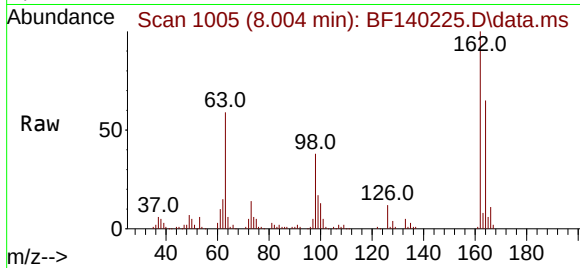
Tgt Ion:162 Resp: 98906

Ion Ratio Lower Upper

162 100

164 65.2 47.0 87.0

98 37.8 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 8.921 ng

RT: 8.098 min Scan# 1021

Delta R.T. 0.000 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

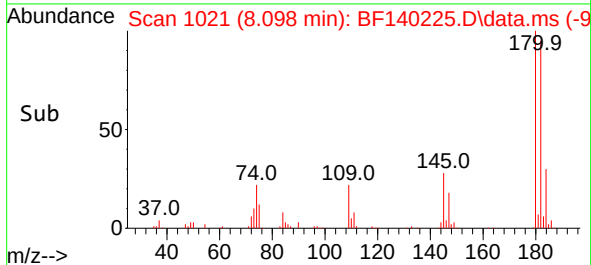
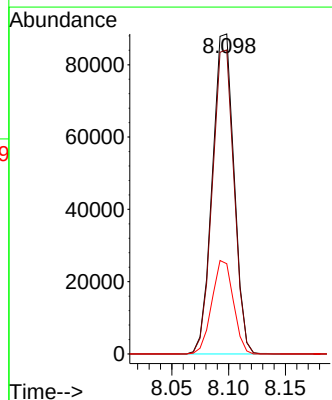
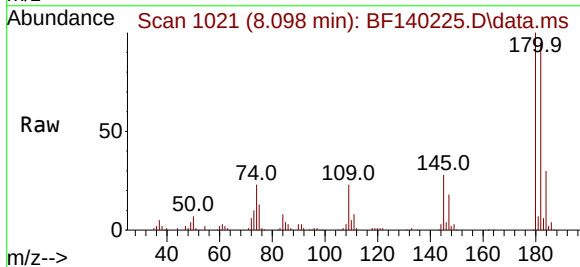
Tgt Ion:180 Resp: 117704

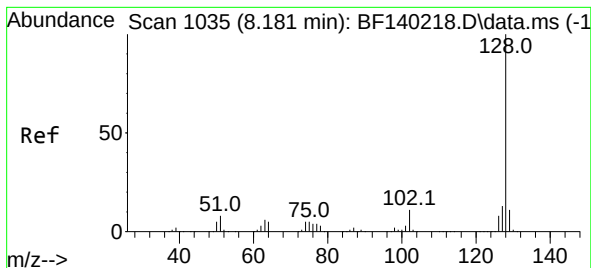
Ion Ratio Lower Upper

180 100

182 95.0 76.1 114.1

145 28.2 25.2 37.8





#31

Naphthalene

Concen: 9.001 ng

RT: 8.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

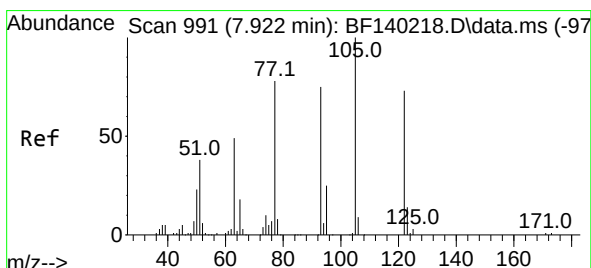
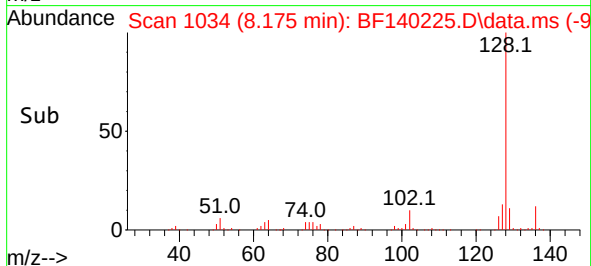
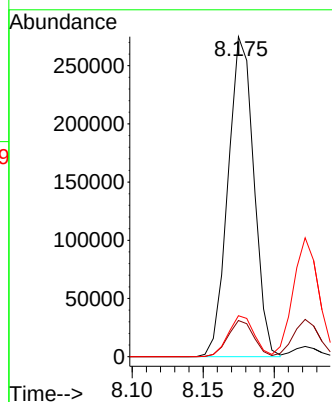
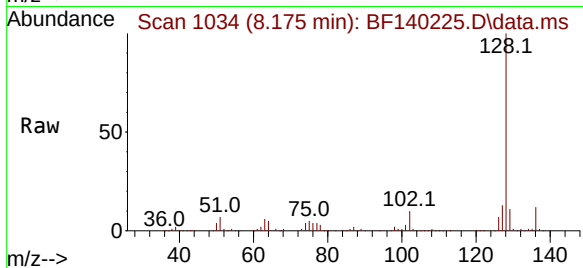
Tgt Ion:128 Resp: 347624

Ion Ratio Lower Upper

128 100

129 11.3 9.1 13.7

127 12.8 10.6 16.0



#32

Benzoic acid

Concen: 5.599 ng

RT: 7.863 min Scan# 981

Delta R.T. -0.059 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

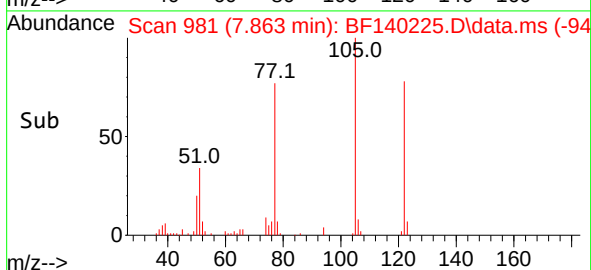
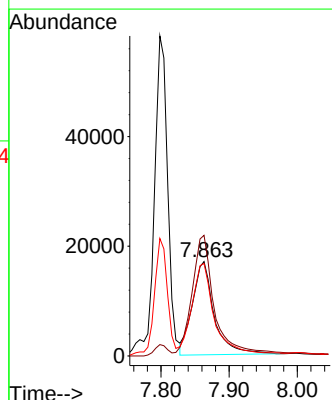
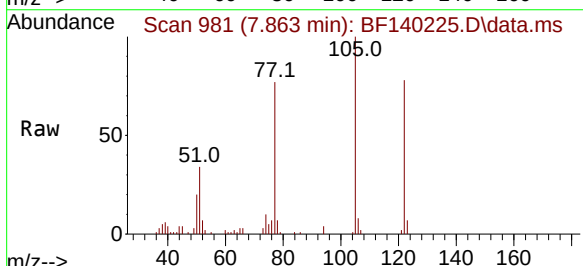
Tgt Ion:122 Resp: 37831

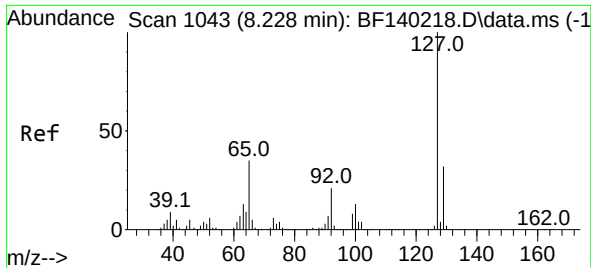
Ion Ratio Lower Upper

122 100

105 127.8 111.7 151.7

77 98.0 84.6 124.6

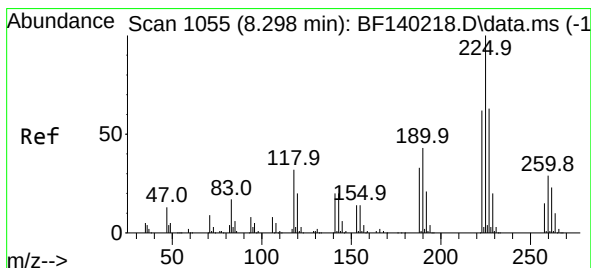
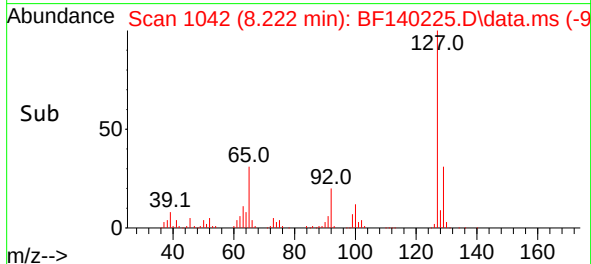
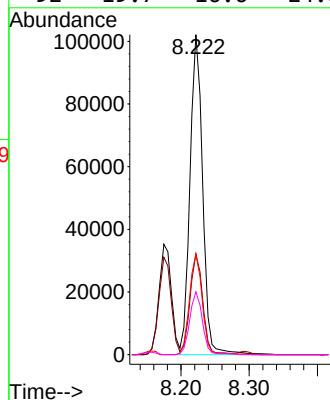
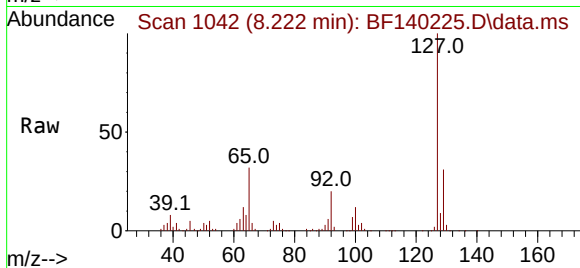




#33
4-Chloroaniline
Concen: 10.224 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

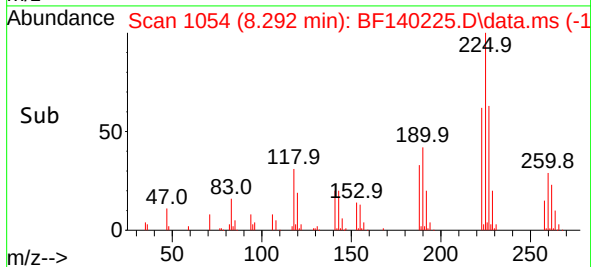
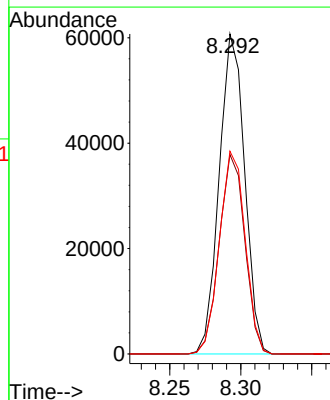
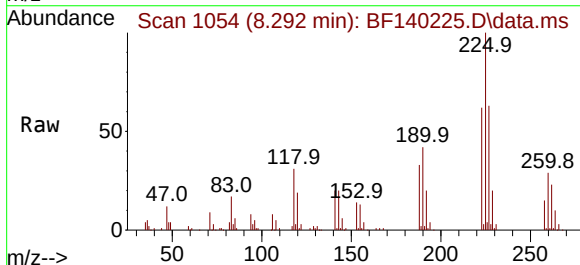
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

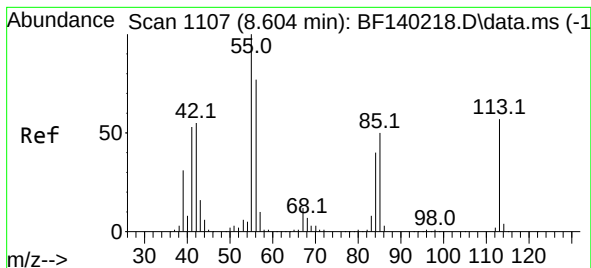
Tgt Ion:127	Resp: 130859
Ion Ratio	Lower Upper
127 100	
129 31.4	26.1 39.1
65 31.5	28.2 42.2
92 19.7	16.6 24.8



#34
Hexachlorobutadiene
Concen: 8.269 ng
RT: 8.292 min Scan# 1054
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion:225	Resp: 75706
Ion Ratio	Lower Upper
225 100	
223 62.3	49.9 74.9
227 63.4	50.3 75.5





#35

Caprolactam

Concen: 8.872 ng

RT: 8.557 min Scan# 1109

Delta R.T. -0.047 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

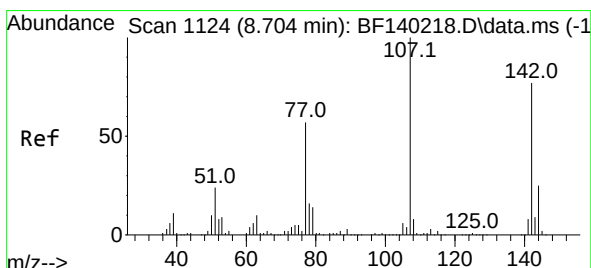
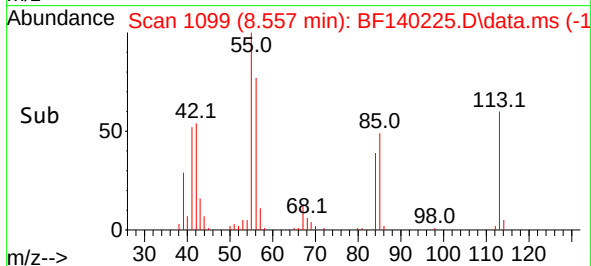
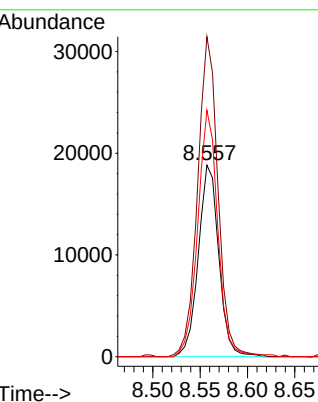
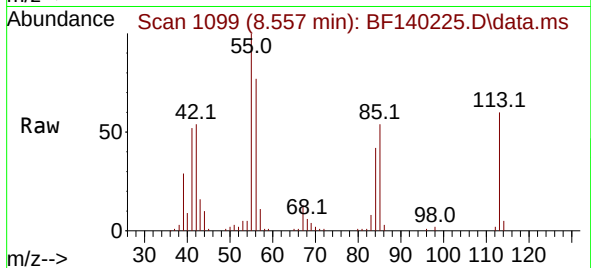
Tgt Ion:113 Resp: 28289

Ion Ratio Lower Upper

113 100

55 167.1 154.9 194.9

56 128.7 115.2 155.2



#36

4-Chloro-3-methylphenol

Concen: 8.863 ng

RT: 8.692 min Scan# 1122

Delta R.T. -0.012 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

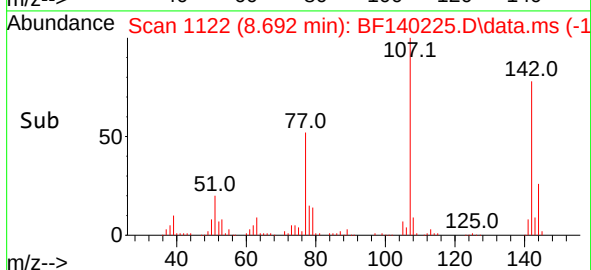
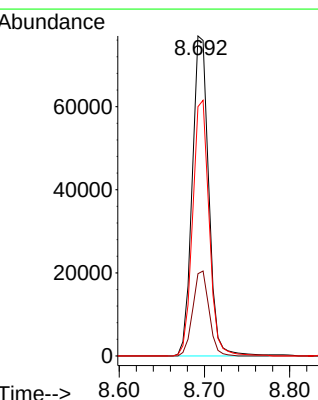
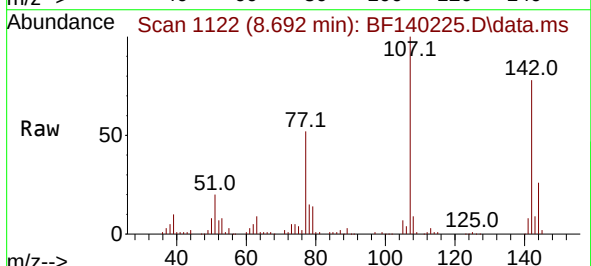
Tgt Ion:107 Resp: 103723

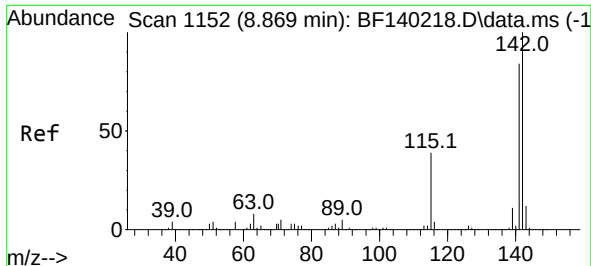
Ion Ratio Lower Upper

107 100

144 25.7 19.8 29.8

142 77.9 61.3 91.9

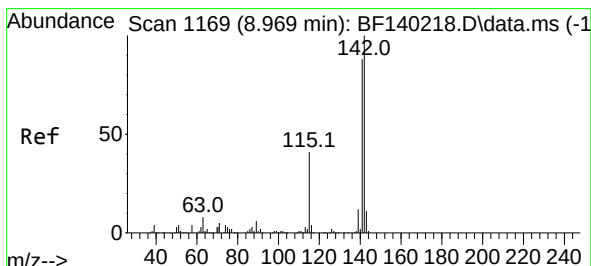
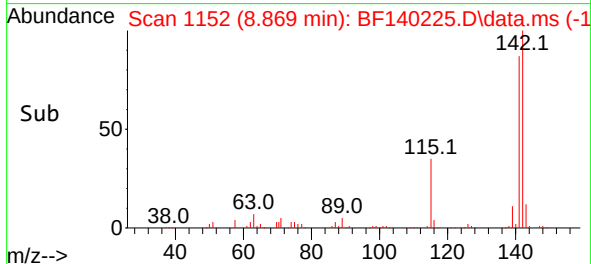
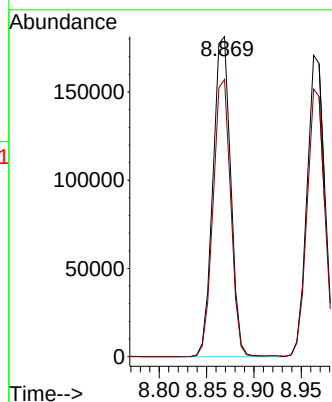
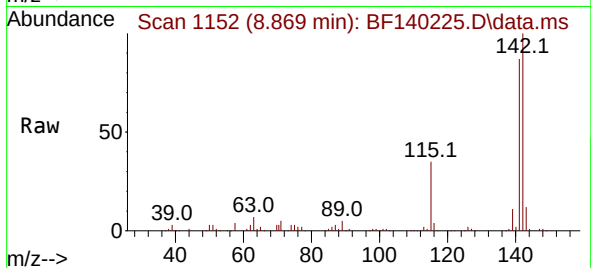




#37
2-Methylnaphthalene
Concen: 9.155 ng
RT: 8.869 min Scan# 1152
Delta R.T. 0.000 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

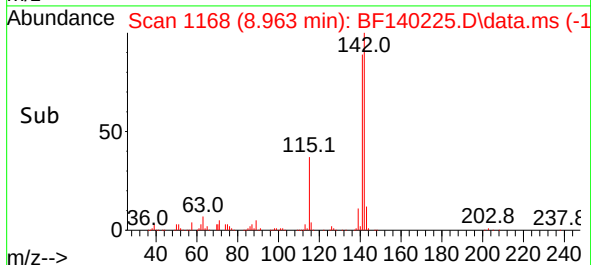
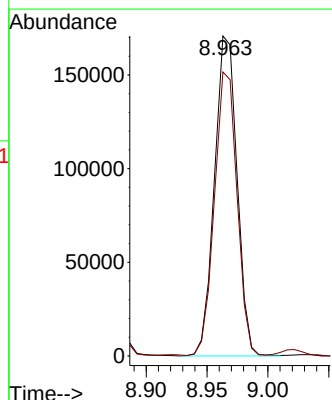
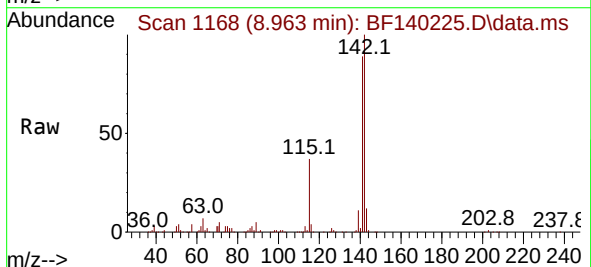
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

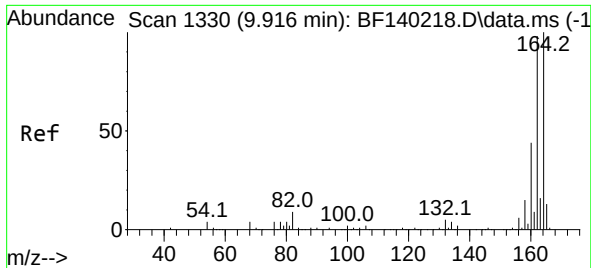
Tgt Ion:142 Resp: 235962
Ion Ratio Lower Upper
142 100
141 86.7 67.4 101.2



#38
1-Methylnaphthalene
Concen: 8.755 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion:142 Resp: 220874
Ion Ratio Lower Upper
142 100
141 88.8 70.6 106.0

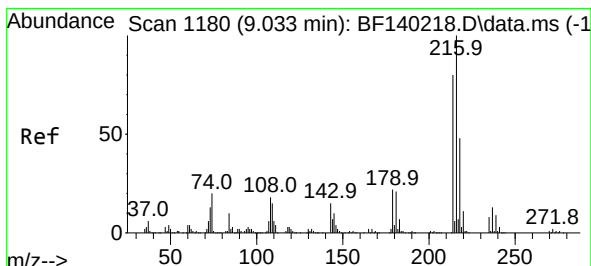
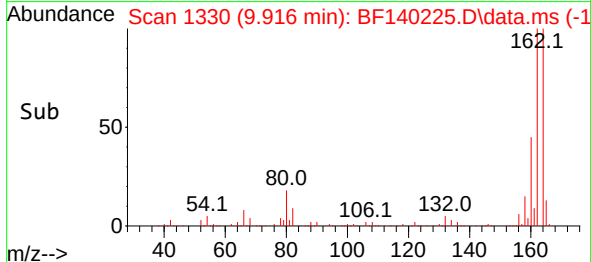
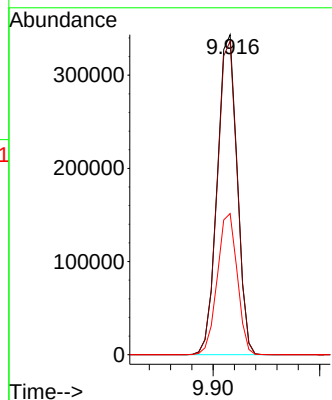
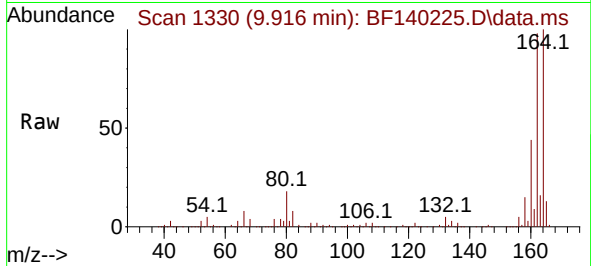




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

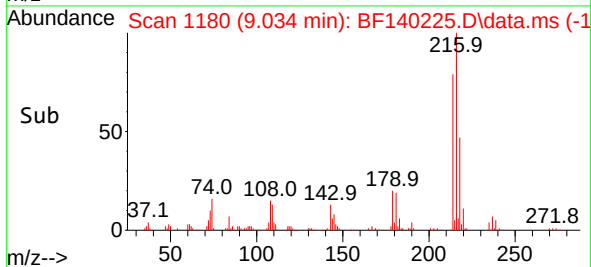
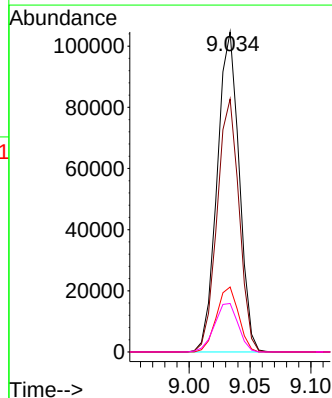
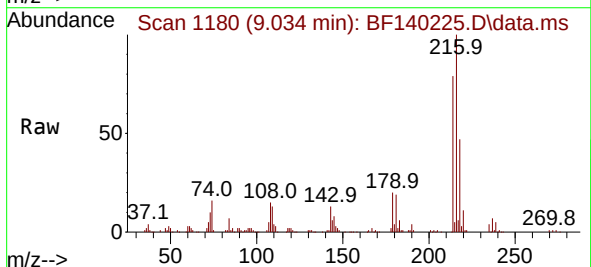
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

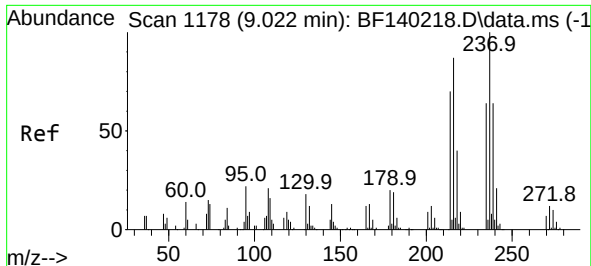
Tgt Ion:164 Resp: 444084
Ion Ratio Lower Upper
164 100
162 97.9 78.5 117.7
160 44.1 35.3 52.9



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.596 ng
RT: 9.034 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion:216 Resp: 131528
Ion Ratio Lower Upper
216 100
214 78.9 63.3 94.9
179 20.5 17.2 25.8
108 16.4 14.6 21.8

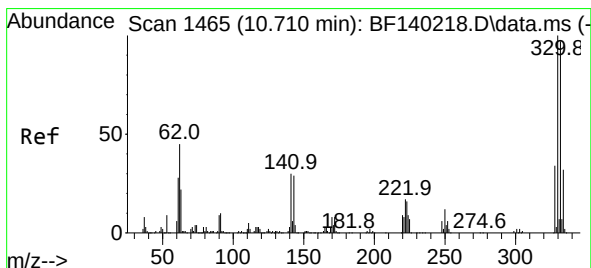
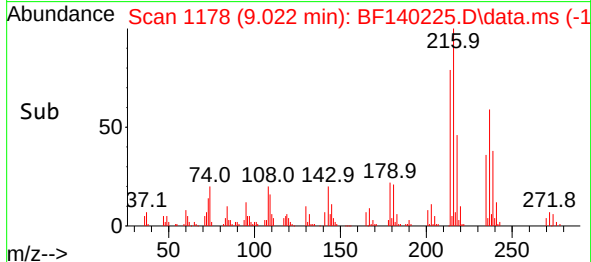
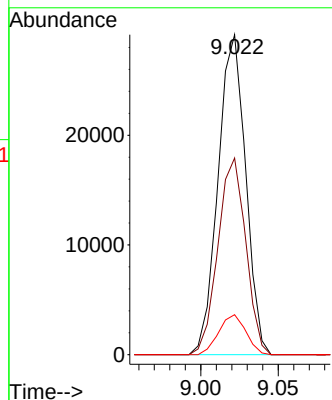
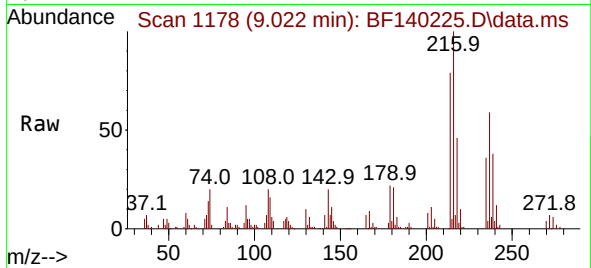




#41
Hexachlorocyclopentadiene
Concen: 9.596 ng
RT: 9.022 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

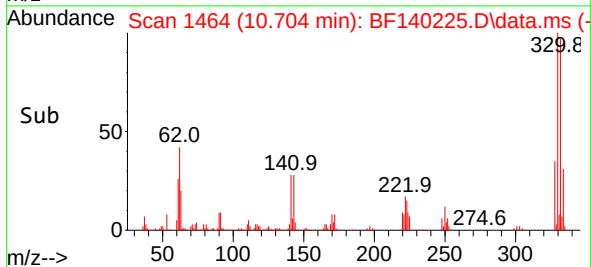
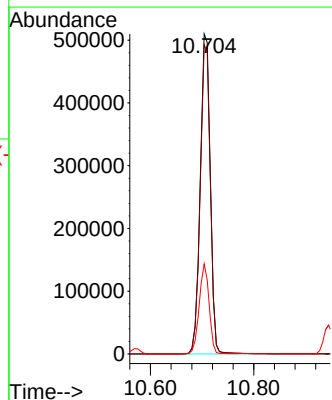
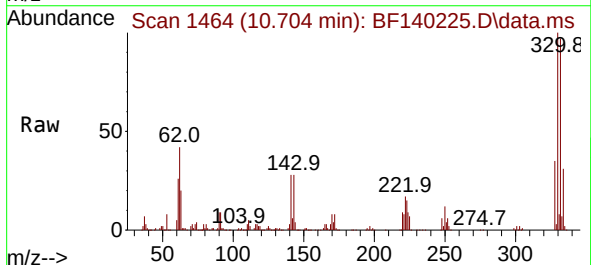
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

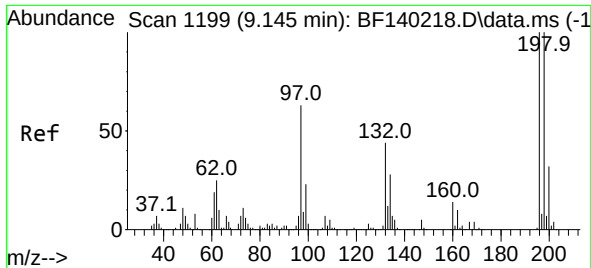
Tgt Ion:237 Resp: 36072
Ion Ratio Lower Upper
237 100
235 61.4 43.7 83.7
272 12.5 0.0 32.2



#42
2,4,6-Tribromophenol
Concen: 140.922 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion:330 Resp: 690012
Ion Ratio Lower Upper
330 100
332 96.8 77.7 116.5
141 27.6 26.0 39.0

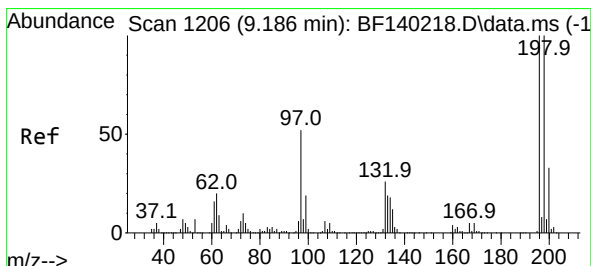
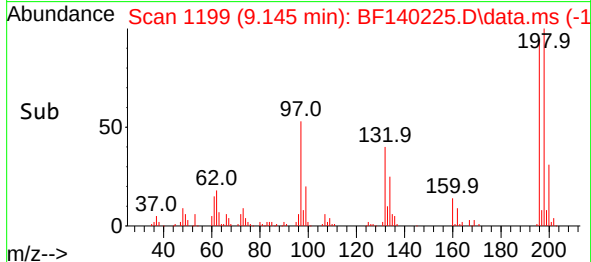
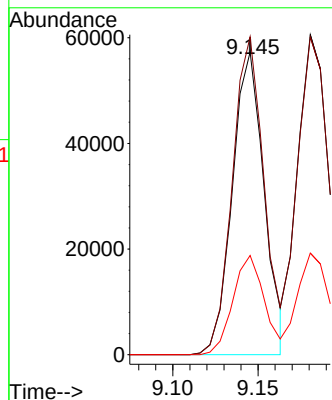
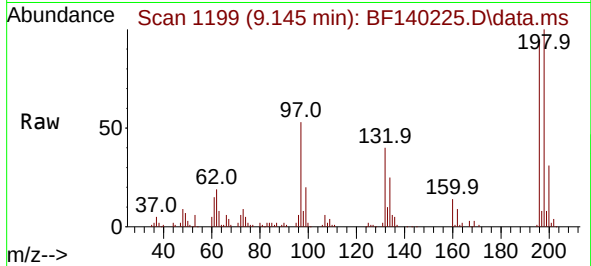




#43
2,4,6-Trichlorophenol
Concen: 8.895 ng
RT: 9.145 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

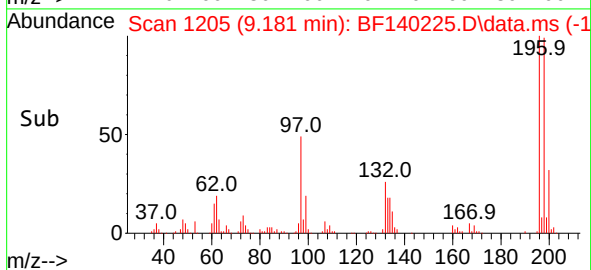
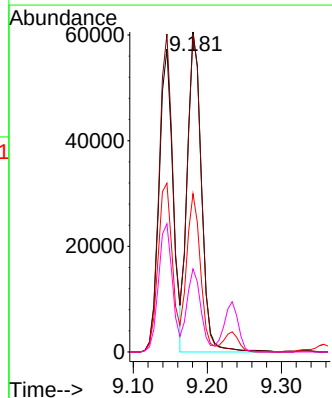
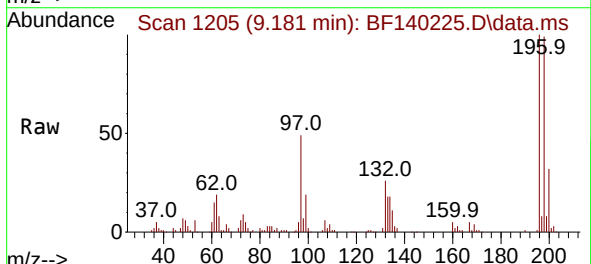
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

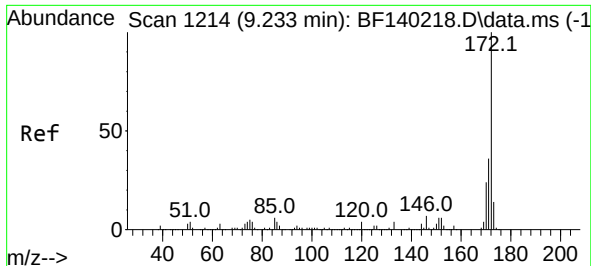
Tgt Ion:196 Resp: 74450
Ion Ratio Lower Upper
196 100
198 105.0 79.9 119.9
200 32.8 25.7 38.5



#44
2,4,5-Trichlorophenol
Concen: 9.184 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion:196 Resp: 80315
Ion Ratio Lower Upper
196 100
198 99.3 80.1 120.1
97 49.4 43.4 65.2
132 25.9 21.9 32.9

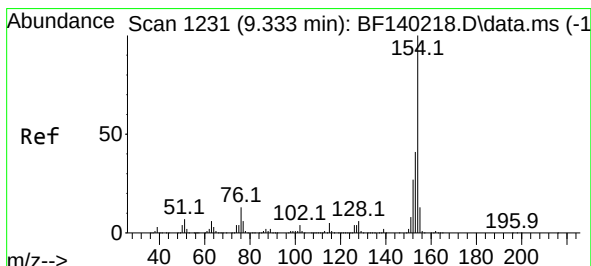
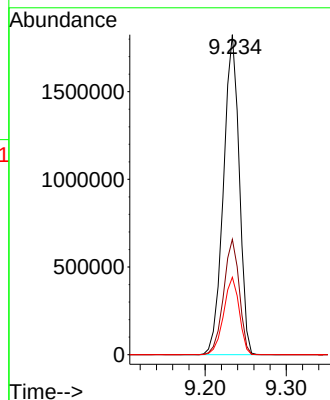
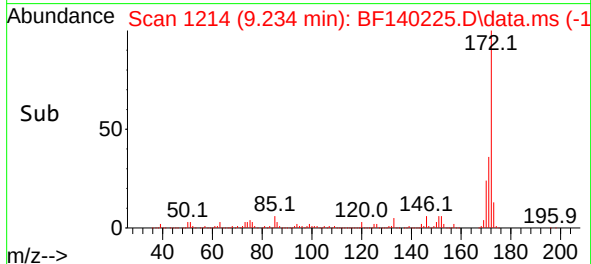
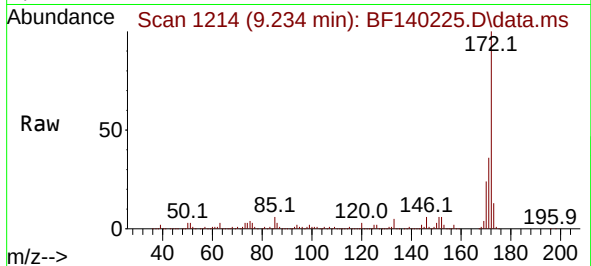




#45
2-Fluorobiphenyl
Concen: 86.781 ng
RT: 9.234 min Scan# 1214
Delta R.T. 0.000 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

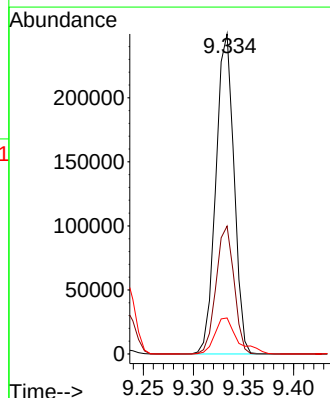
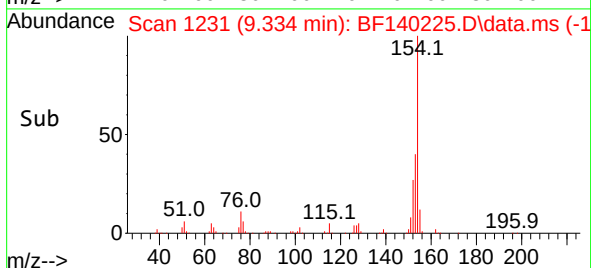
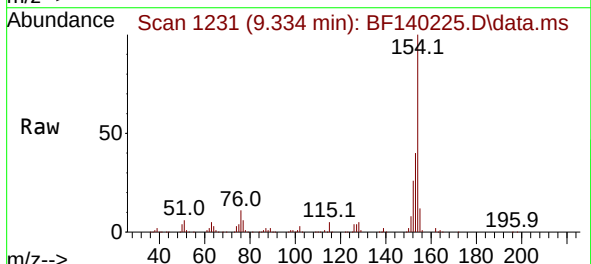
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

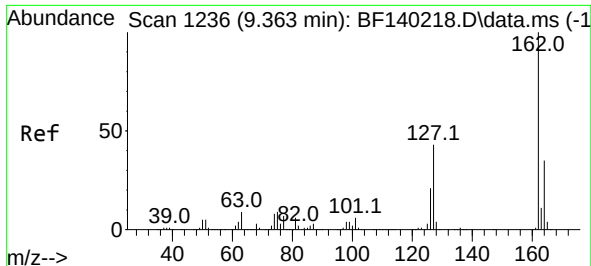
Tgt Ion:172 Resp: 2465559
Ion Ratio Lower Upper
172 100
171 36.0 28.7 43.1
170 24.2 19.2 28.8



#46
1,1'-Biphenyl
Concen: 9.722 ng
RT: 9.334 min Scan# 1231
Delta R.T. 0.000 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion:154 Resp: 313371
Ion Ratio Lower Upper
154 100
153 39.9 20.6 60.6
76 11.3 0.0 32.7





#47

2-Chloronaphthalene

Concen: 9.339 ng

RT: 9.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

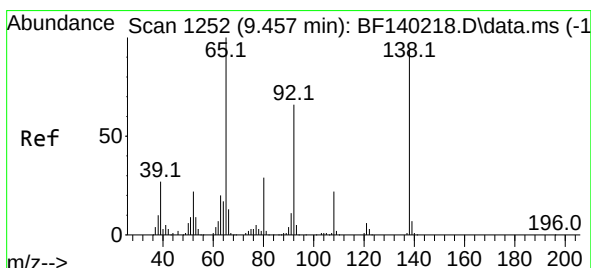
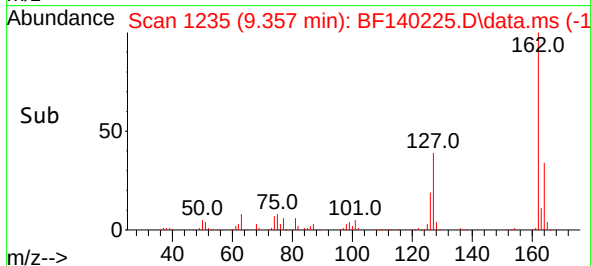
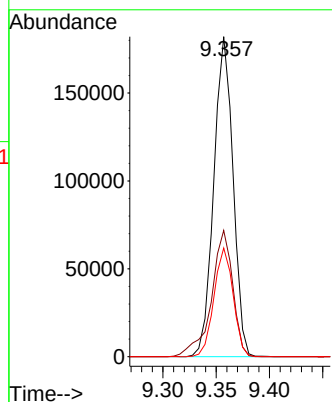
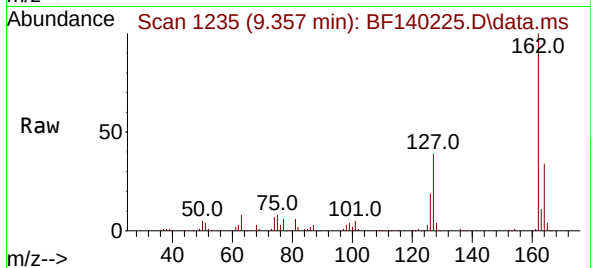
Tgt Ion:162 Resp: 228402

Ion Ratio Lower Upper

162 100

127 39.5 34.2 51.2

164 33.9 27.7 41.5



#48

2-Nitroaniline

Concen: 8.410 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

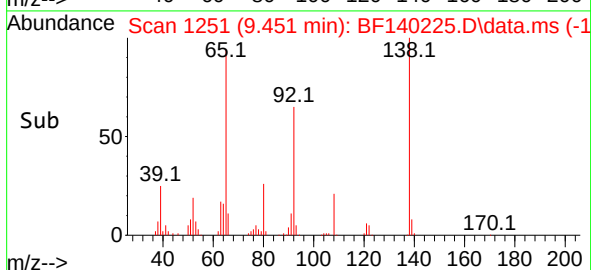
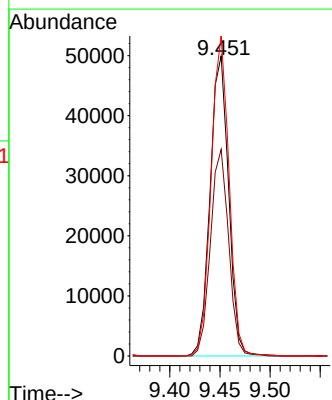
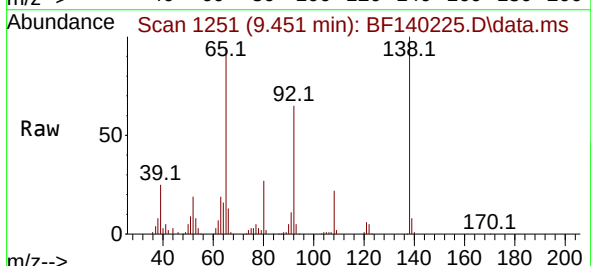
Tgt Ion: 65 Resp: 63938

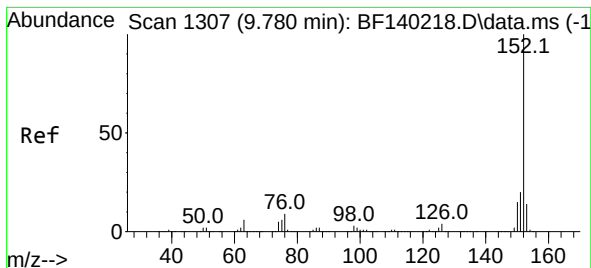
Ion Ratio Lower Upper

65 100

92 68.9 52.5 78.7

138 106.7 75.4 113.0





#49

Acenaphthylene

Concen: 10.263 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

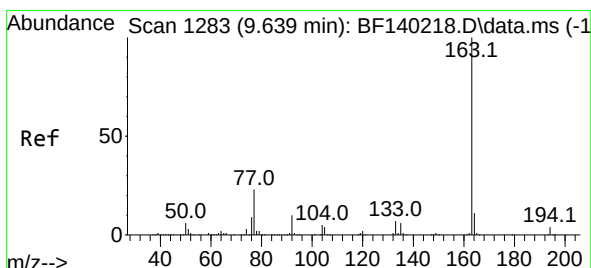
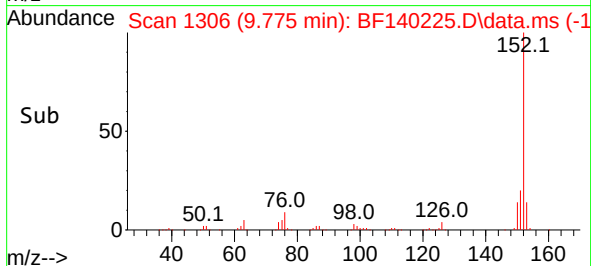
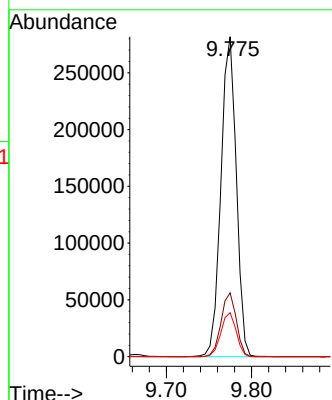
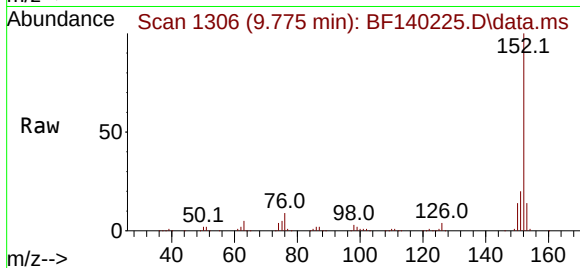
Tgt Ion:152 Resp: 353260

Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.4

153 13.8 11.3 16.9



#50

Dimethylphthalate

Concen: 9.443 ng

RT: 9.628 min Scan# 1281

Delta R.T. -0.012 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

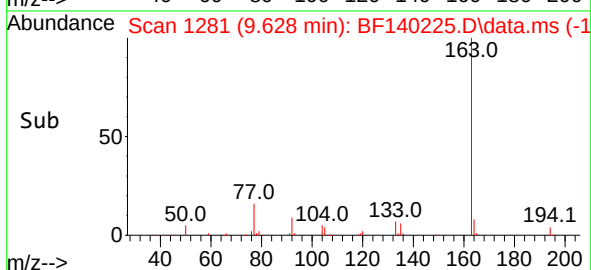
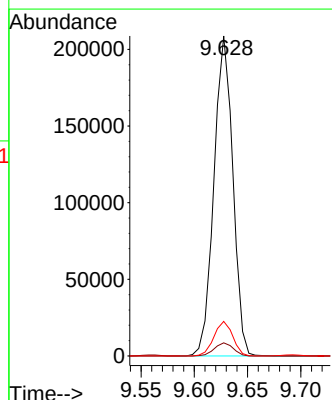
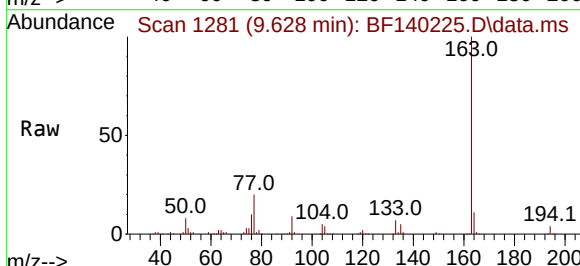
Tgt Ion:163 Resp: 257162

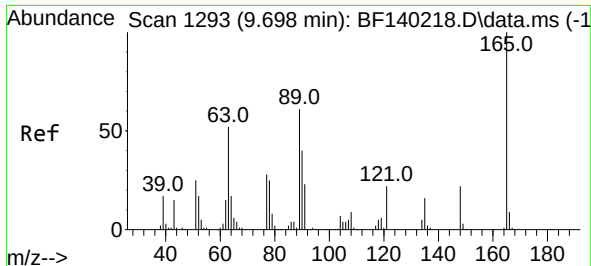
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.8 8.6 12.8

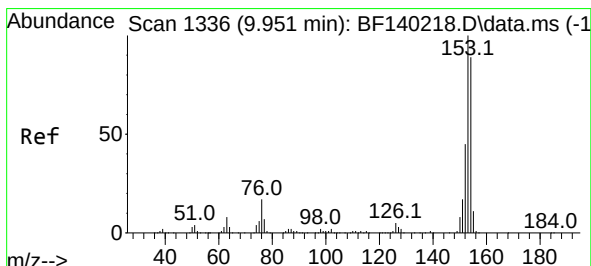
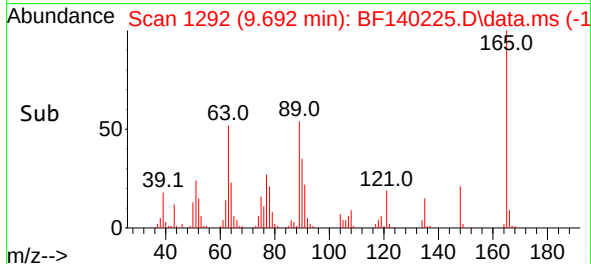
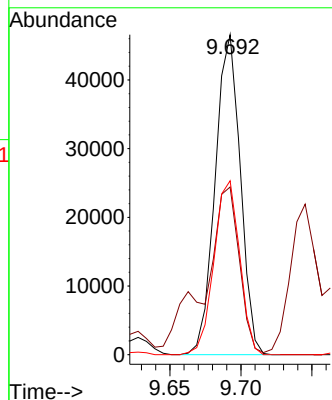
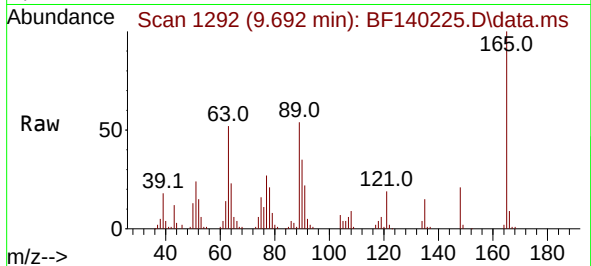




#51
2,6-Dinitrotoluene
Concen: 8.837 ng
RT: 9.692 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

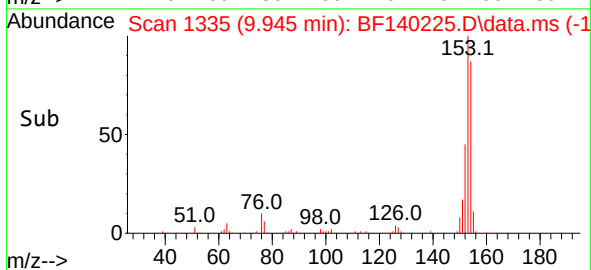
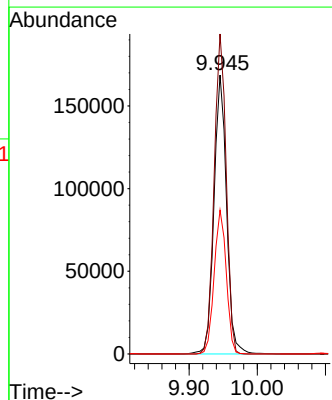
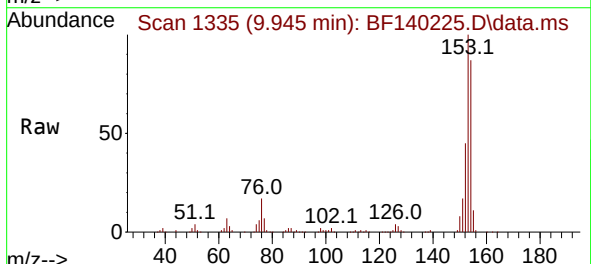
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

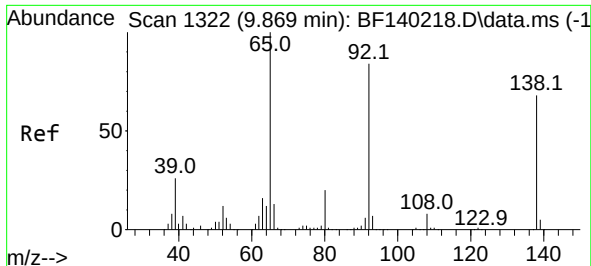
Tgt Ion:165 Resp: 57347
Ion Ratio Lower Upper
165 100
63 52.4 50.7 76.1
89 54.4 49.2 73.8



#52
Acenaphthene
Concen: 8.822 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion:154 Resp: 216467
Ion Ratio Lower Upper
154 100
153 114.8 90.4 135.6
152 51.6 41.0 61.6

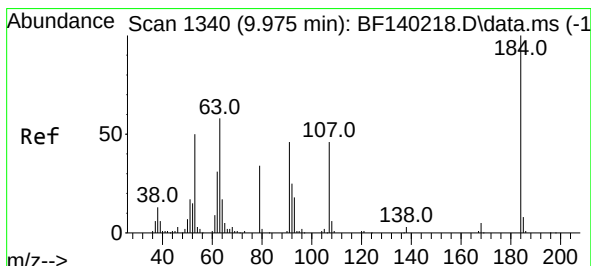
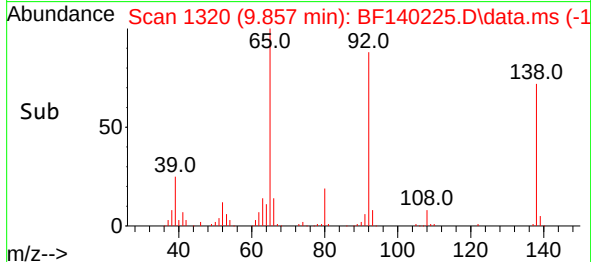
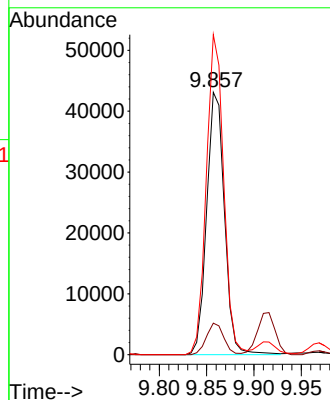
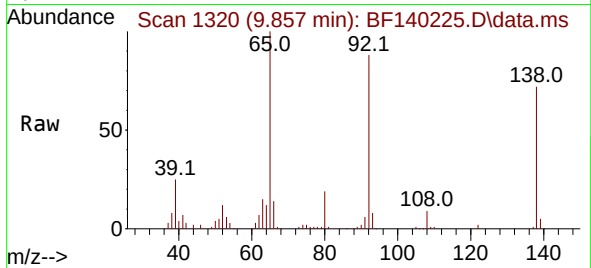




#53
3-Nitroaniline
Concen: 9.526 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

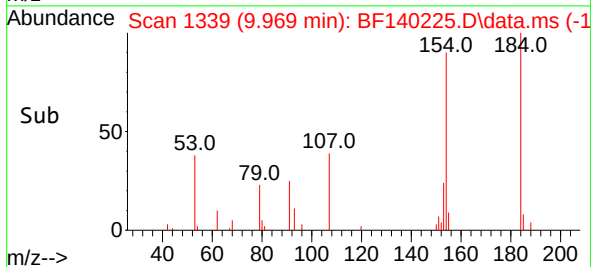
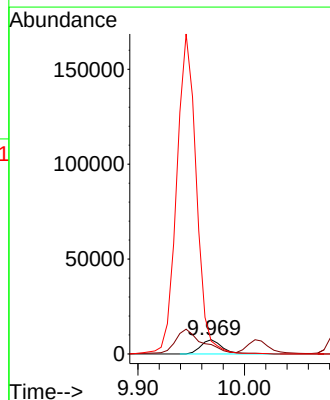
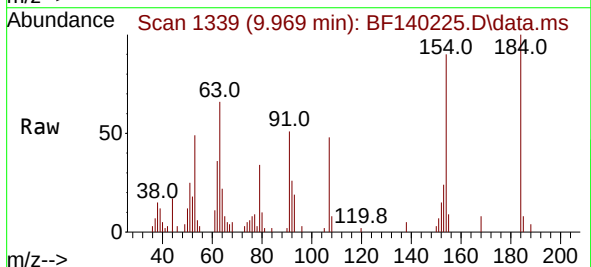
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT4-2024

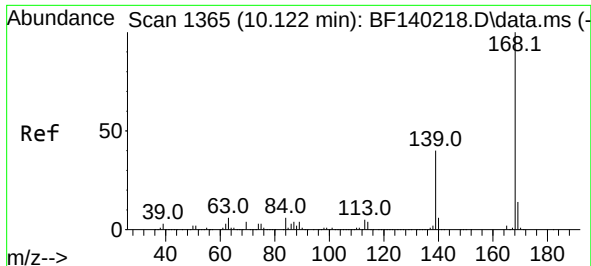
Tgt Ion:138 Resp: 56409
Ion Ratio Lower Upper
138 100
108 12.0 9.0 13.4
92 122.0 99.6 149.4



#54
2,4-Dinitrophenol
Concen: 9.332 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion:184 Resp: 10622
Ion Ratio Lower Upper
184 100
63 65.7 55.0 82.4
154 90.0 58.6 87.8#

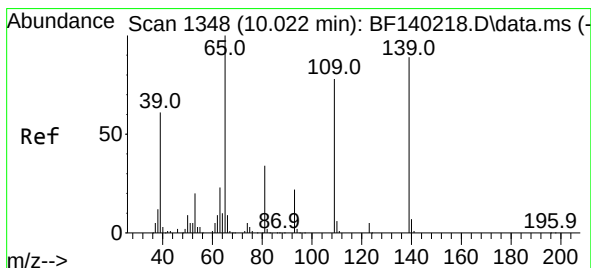
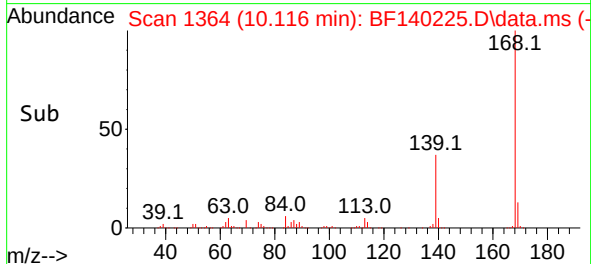
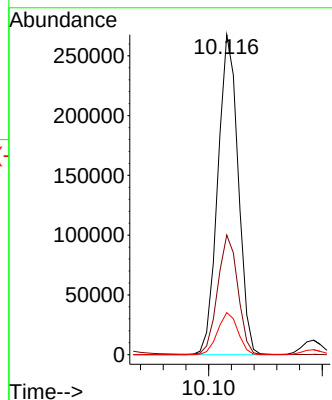
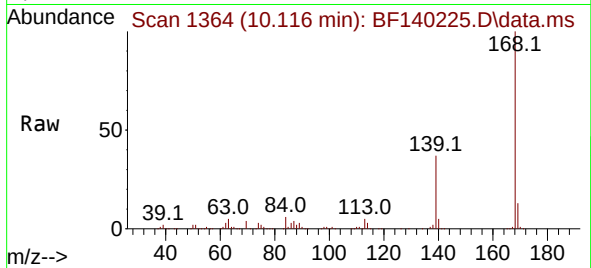




#55
Dibenzofuran
Concen: 9.634 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

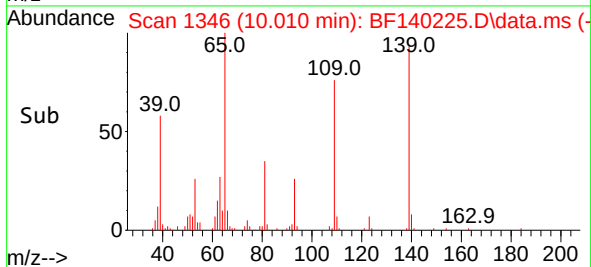
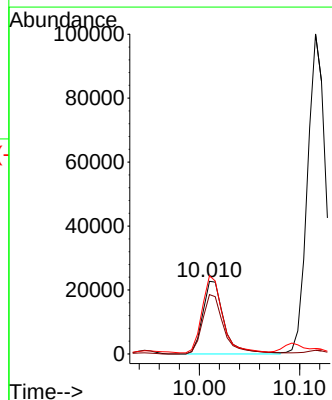
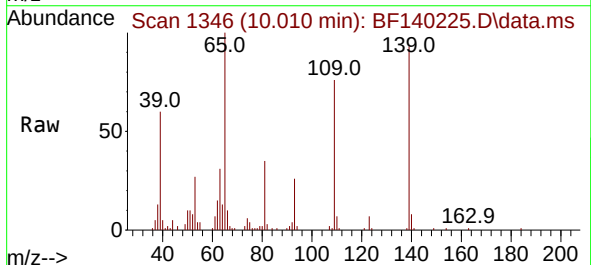
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

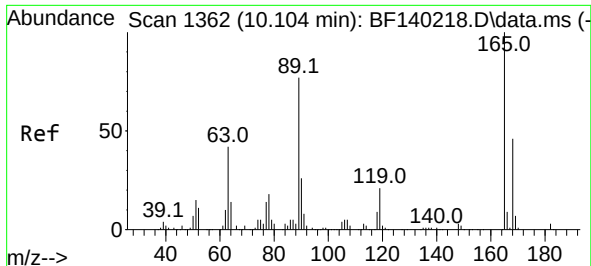
Tgt Ion:168 Resp: 333898
Ion Ratio Lower Upper
168 100
139 37.4 32.0 48.0
169 13.2 11.0 16.4



#56
4-Nitrophenol
Concen: 7.676 ng
RT: 10.010 min Scan# 1346
Delta R.T. -0.012 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion:139 Resp: 33634
Ion Ratio Lower Upper
139 100
109 81.8 68.1 108.1
65 107.9 93.8 133.8

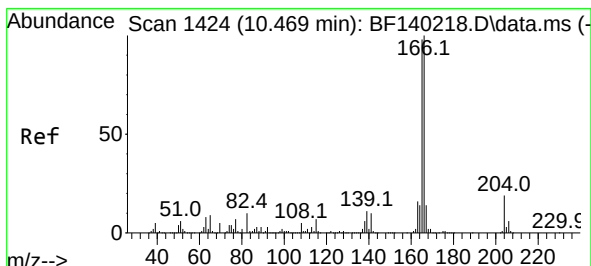
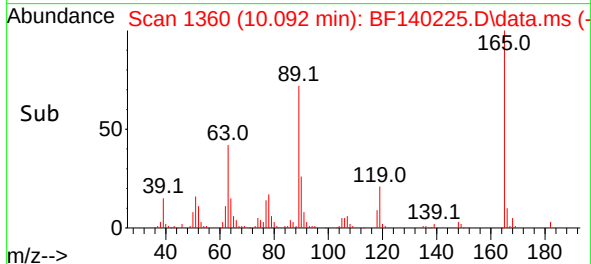
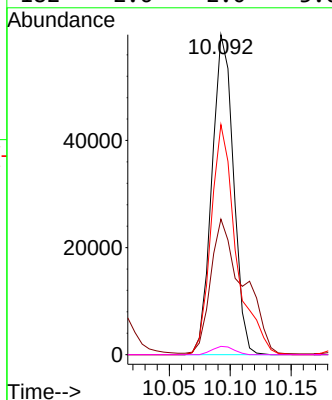
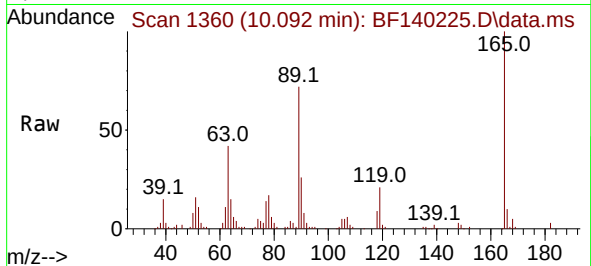




#57
2,4-Dinitrotoluene
Concen: 8.689 ng
RT: 10.092 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

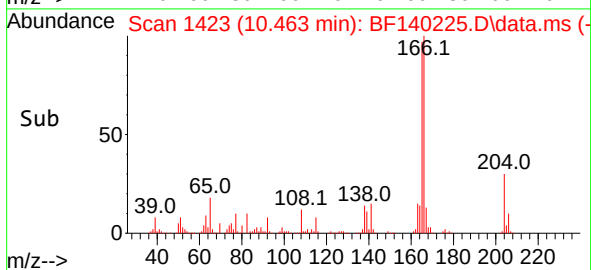
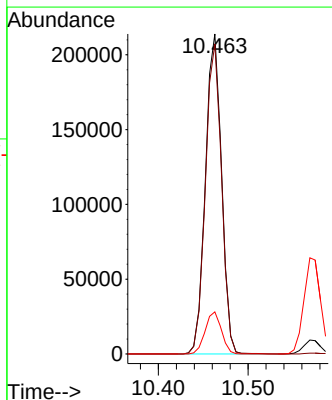
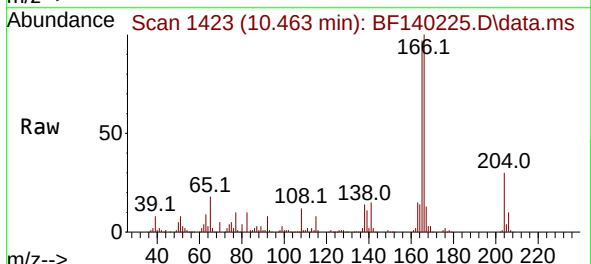
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

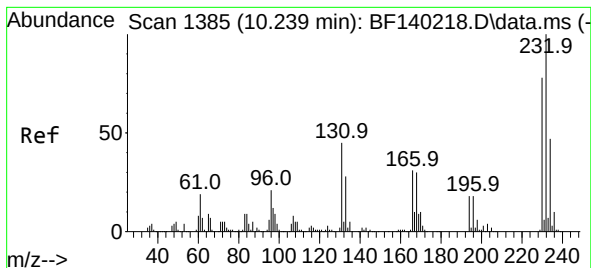
Tgt Ion:	165	Resp:	73816
Ion	Ratio	Lower	Upper
165	100		
63	42.4	39.7	59.5
89	71.9	61.4	92.0
182	2.6	2.0	3.0



#58
Fluorene
Concen: 9.632 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion:	166	Resp:	266965
Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.6	117.8
167	13.1	10.9	16.3

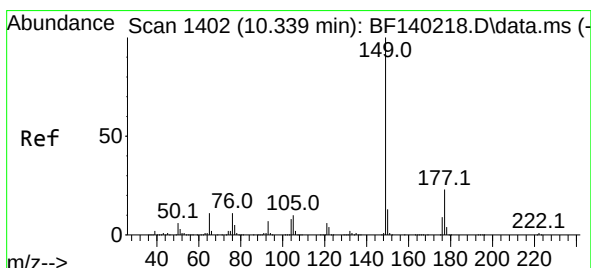
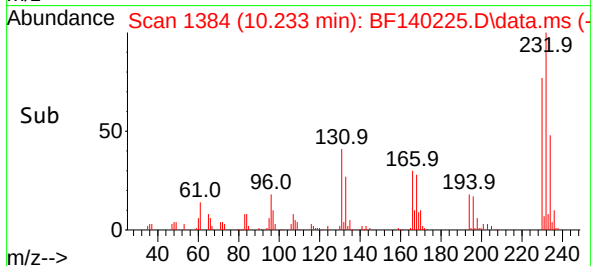
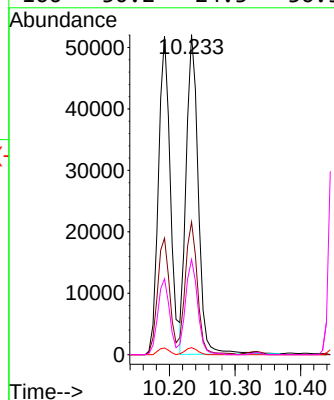
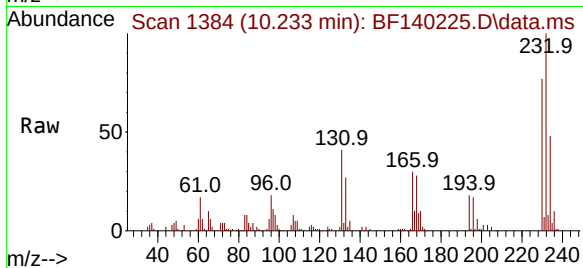




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.123 ng
RT: 10.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

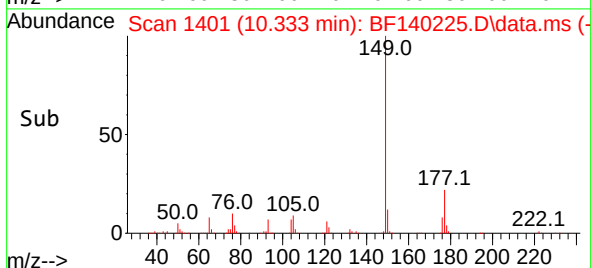
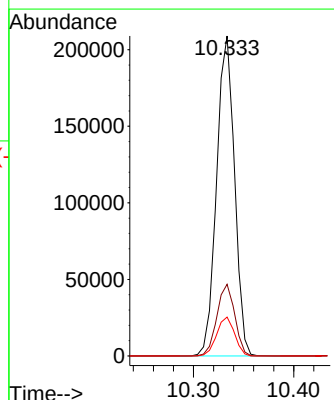
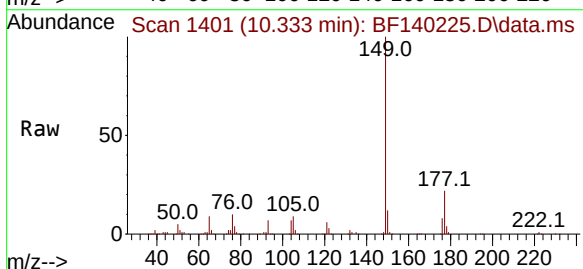
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

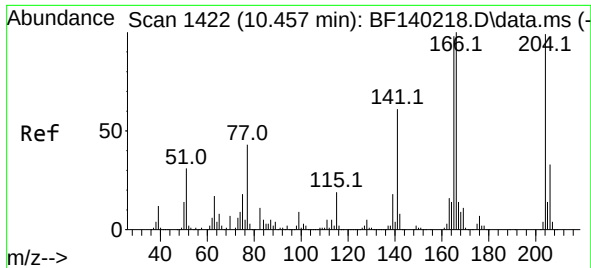
Tgt Ion:232 Resp: 66098
Ion Ratio Lower Upper
232 100
131 42.4 35.4 53.2
130 2.2 1.8 2.8
166 30.2 24.3 36.5



#60
Diethylphthalate
Concen: 9.340 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion:149 Resp: 259104
Ion Ratio Lower Upper
149 100
177 22.4 18.2 27.2
150 12.2 10.2 15.2

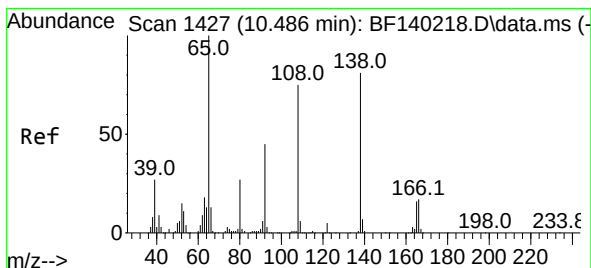
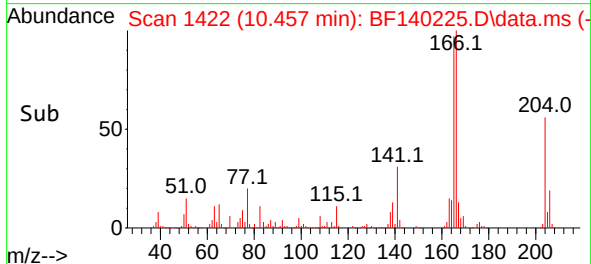
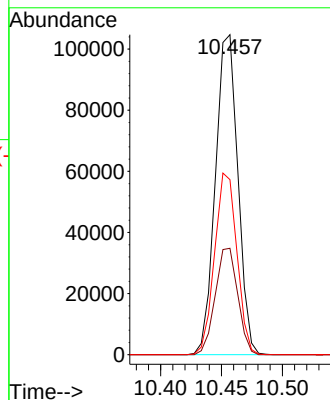
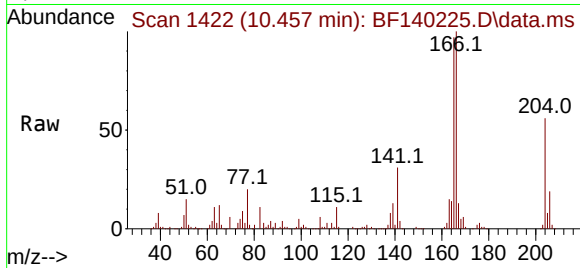




#61
4-Chlorophenyl-phenylether
Concen: 9.442 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

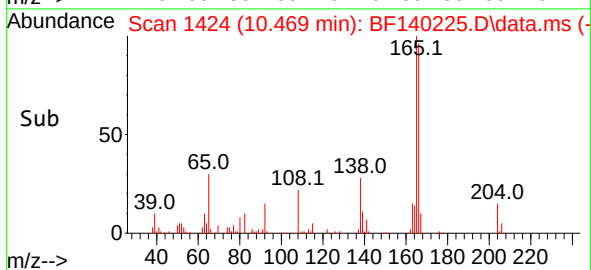
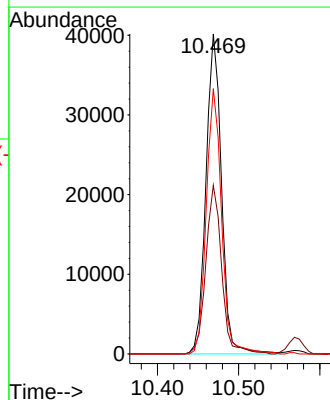
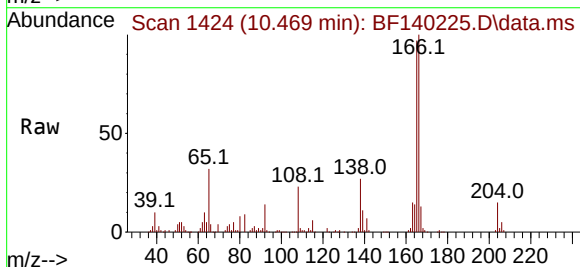
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

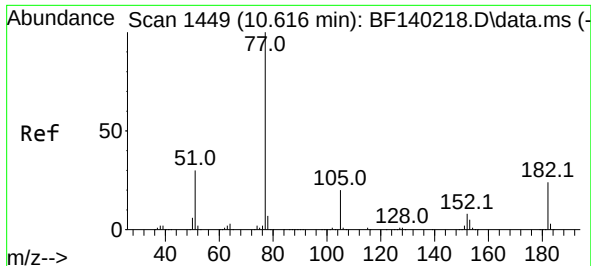
Tgt Ion:204 Resp: 134656
Ion Ratio Lower Upper
204 100
206 33.2 26.5 39.7
141 54.7 49.3 73.9



#62
4-Nitroaniline
Concen: 8.866 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.017 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion:138 Resp: 53372
Ion Ratio Lower Upper
138 100
92 52.7 35.3 75.3
108 82.9 73.1 113.1

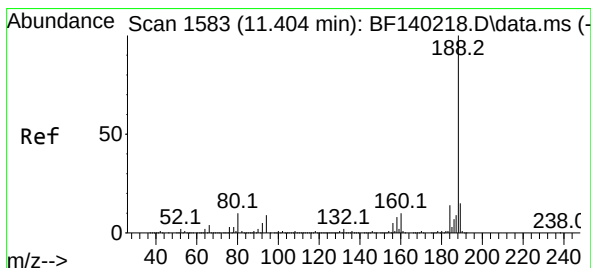
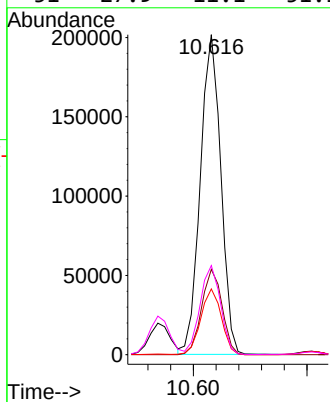
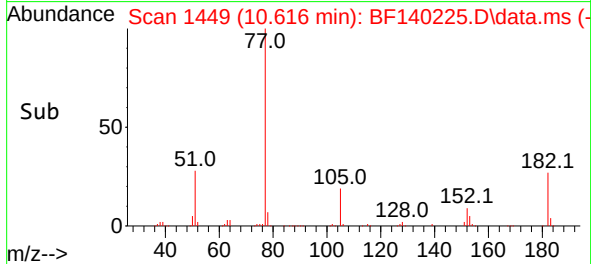
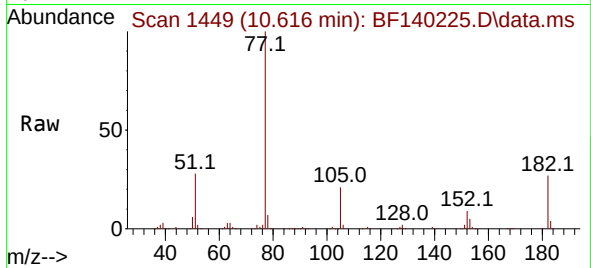




#63
Azobenzene
Concen: 9.001 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

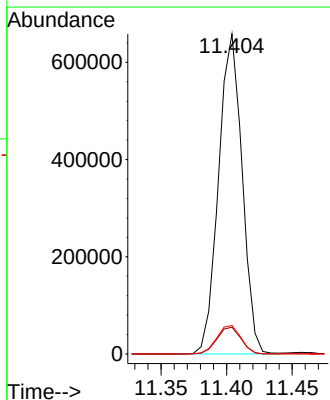
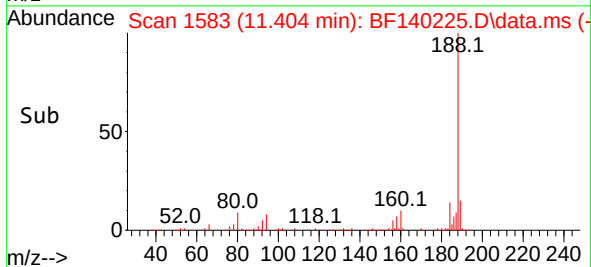
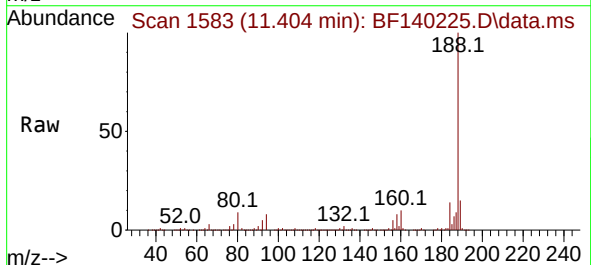
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

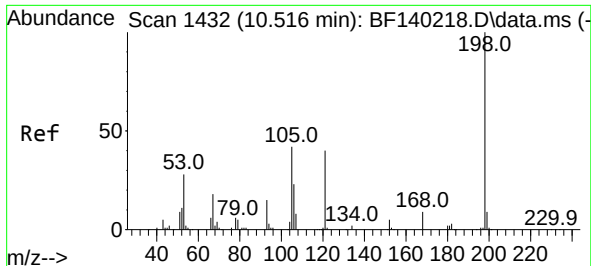
Tgt Ion: 77	Resp: 253201
Ion Ratio	Lower Upper
77 100	
182 26.6	4.0 44.0
105 20.5	0.0 39.5
51 27.9	11.1 51.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion:188	Resp: 822948
Ion Ratio	Lower Upper
188 100	
94 8.4	7.0 10.6
80 8.9	7.9 11.9

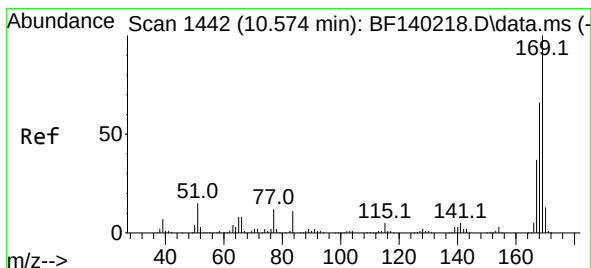
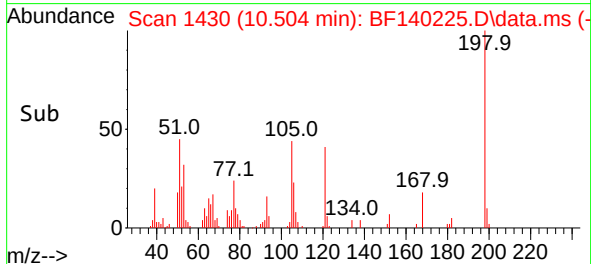
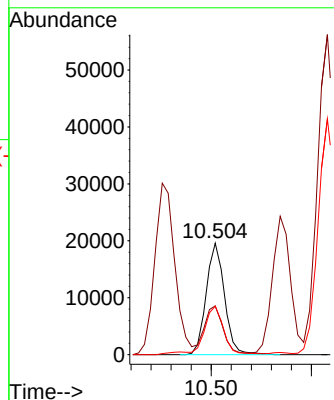
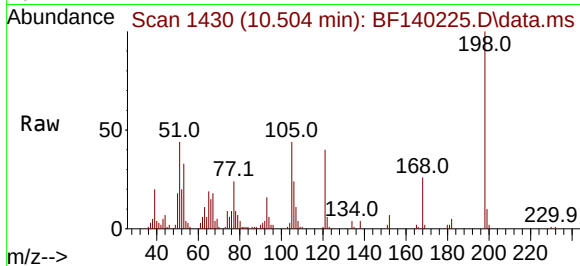




#65
4,6-Dinitro-2-methylphenol
Concen: 5.784 ng
RT: 10.504 min Scan# 1432
Delta R.T. -0.012 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

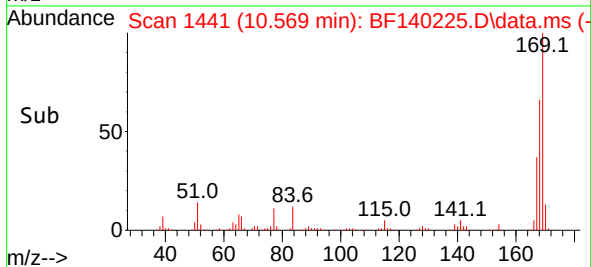
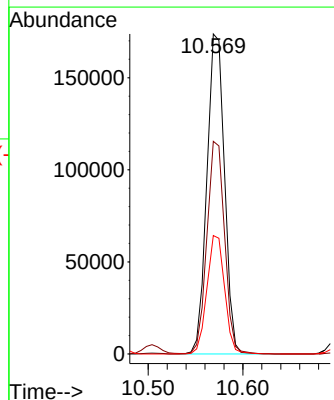
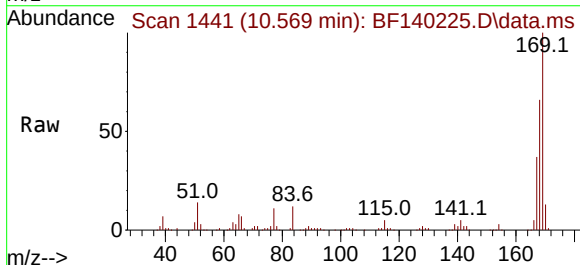
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

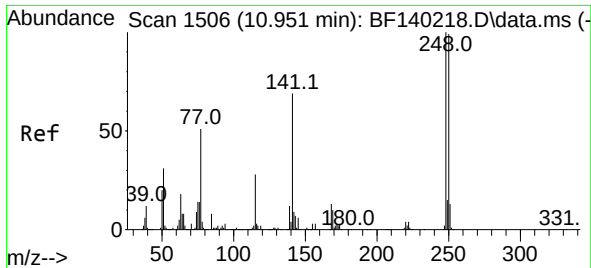
Tgt Ion:198 Resp: 24924
Ion Ratio Lower Upper
198 100
51 43.8 25.4 65.4
105 43.5 22.3 62.3



#66
n-Nitrosodiphenylamine
Concen: 9.457 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion:169 Resp: 224170
Ion Ratio Lower Upper
169 100
168 66.4 53.0 79.4
167 37.0 29.3 43.9

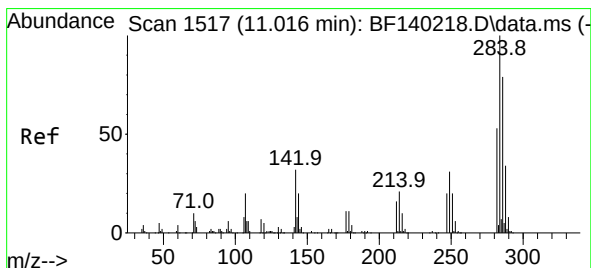
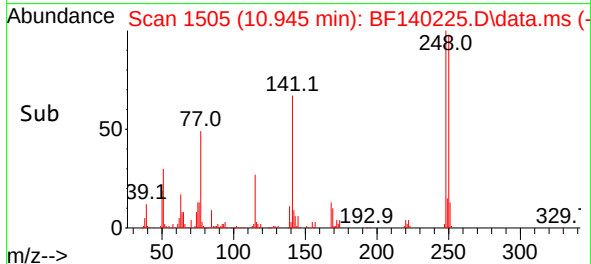
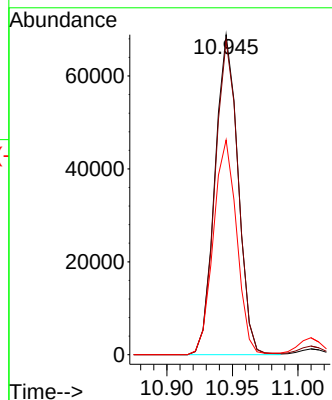
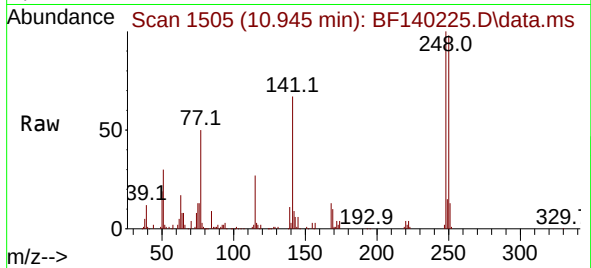




#67
4-Bromophenyl-phenylether
Concen: 9.101 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

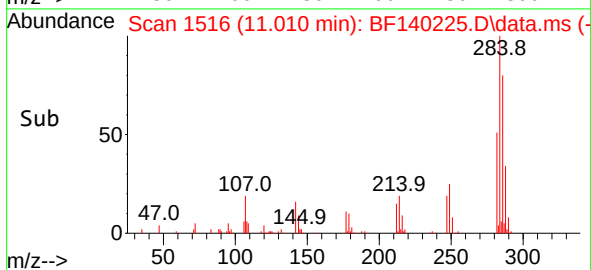
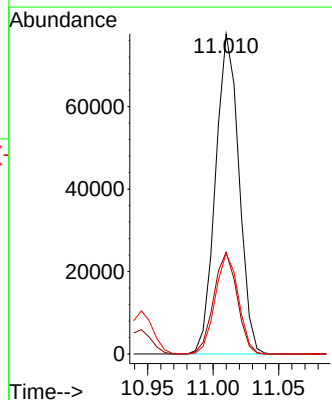
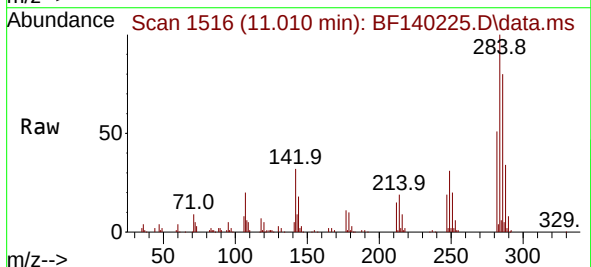
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

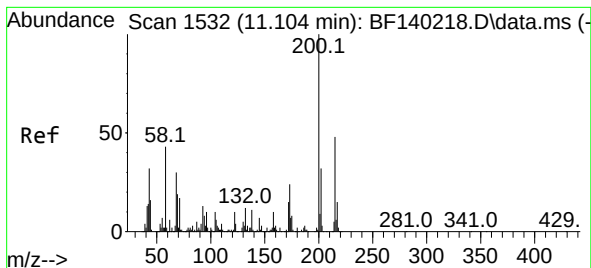
Tgt Ion:248 Resp: 84348
Ion Ratio Lower Upper
248 100
250 98.1 79.0 118.4
141 67.1 55.0 82.6



#68
Hexachlorobenzene
Concen: 9.197 ng
RT: 11.010 min Scan# 1516
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion:284 Resp: 96193
Ion Ratio Lower Upper
284 100
142 31.8 26.2 39.2
249 31.4 25.4 38.0





#69

Atrazine

Concen: 11.864 ng

RT: 11.092 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

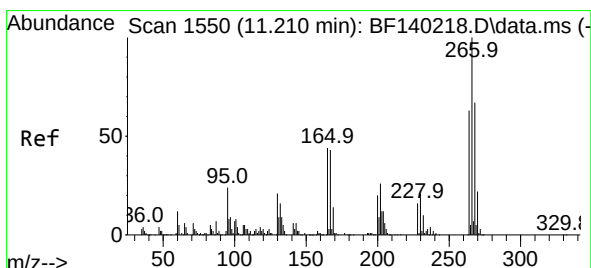
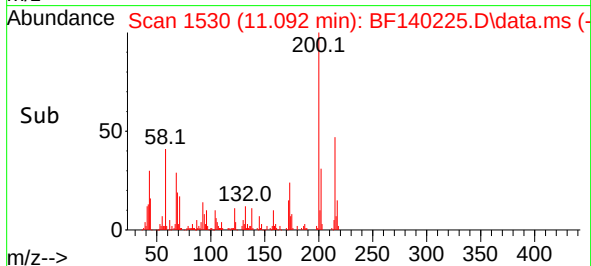
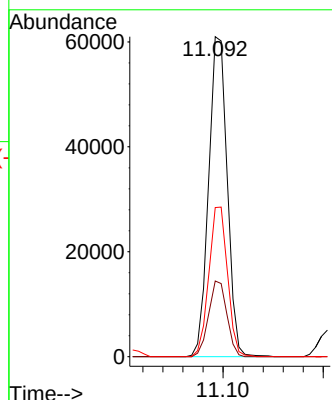
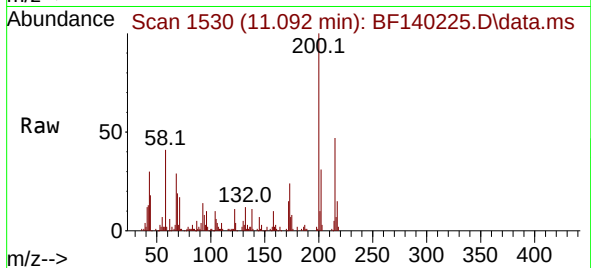
Tgt Ion:200 Resp: 78679

Ion Ratio Lower Upper

200 100

173 23.6 3.9 43.9

215 46.6 27.6 67.6



#70

Pentachlorophenol

Concen: 6.407 ng

RT: 11.204 min Scan# 1549

Delta R.T. -0.006 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

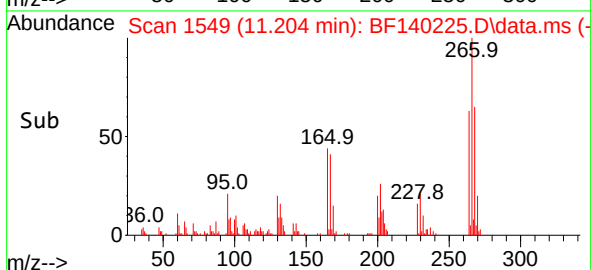
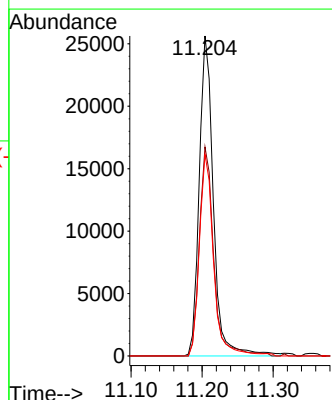
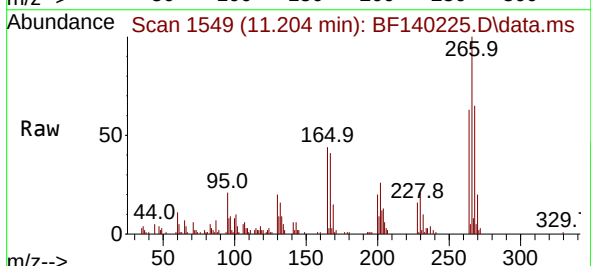
Tgt Ion:266 Resp: 35685

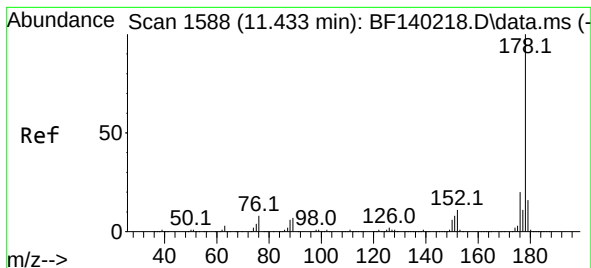
Ion Ratio Lower Upper

266 100

268 65.3 53.9 80.9

264 63.0 50.3 75.5





#71

Phenanthrene

Concen: 9.700 ng

RT: 11.428 min Scan# 1587

Delta R.T. -0.006 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

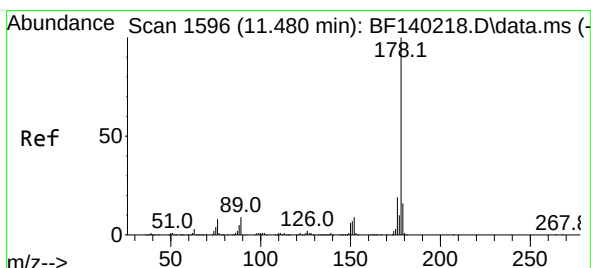
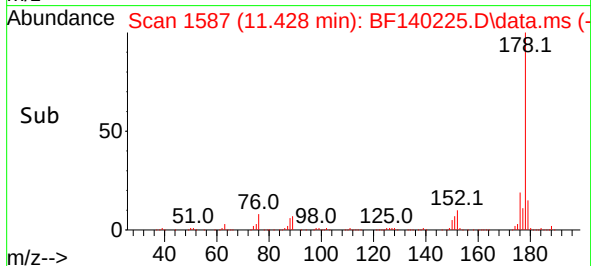
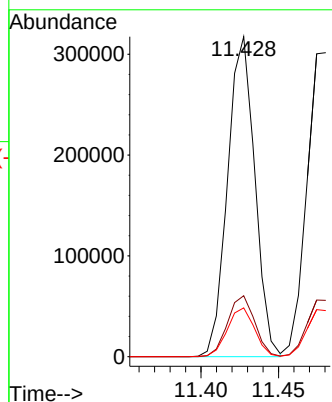
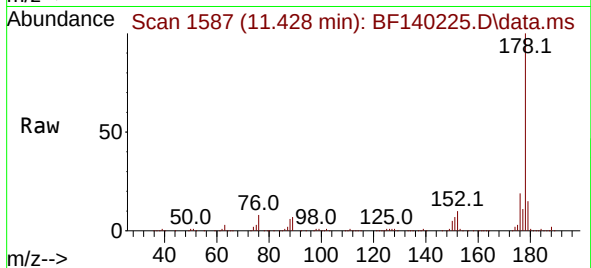
Tgt Ion:178 Resp: 388032

Ion Ratio Lower Upper

178 100

176 19.0 15.9 23.9

179 15.2 12.6 18.8



#72

Anthracene

Concen: 10.023 ng

RT: 11.480 min Scan# 1596

Delta R.T. 0.000 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

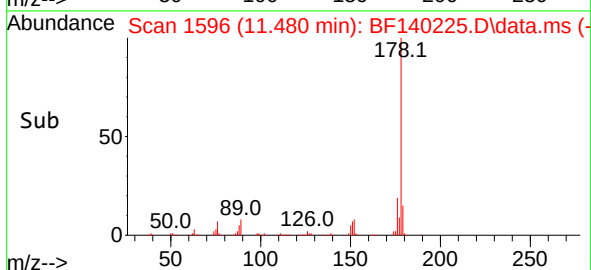
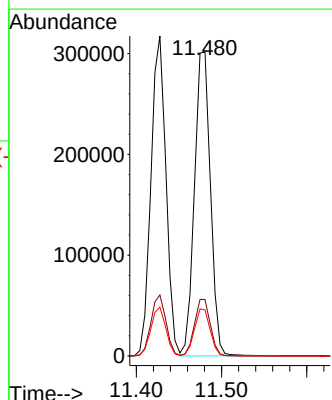
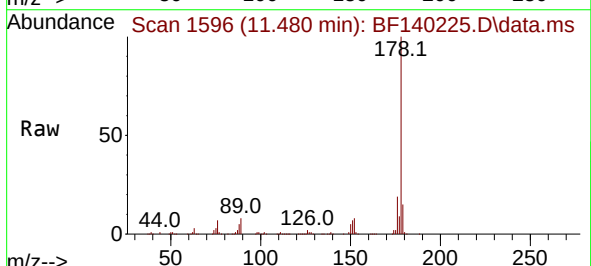
Tgt Ion:178 Resp: 392965

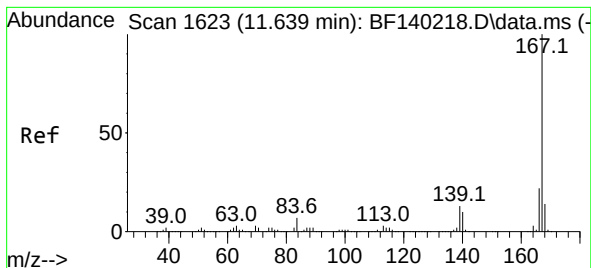
Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

179 15.2 12.6 19.0





#73

Carbazole

Concen: 9.402 ng

RT: 11.633 min Scan# 1622

Delta R.T. -0.006 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

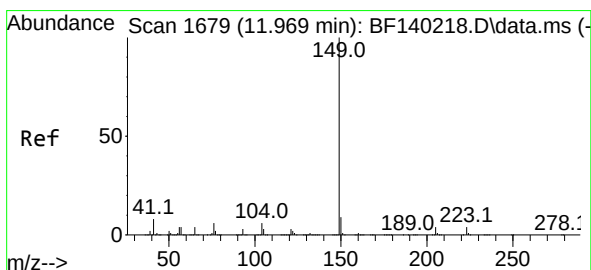
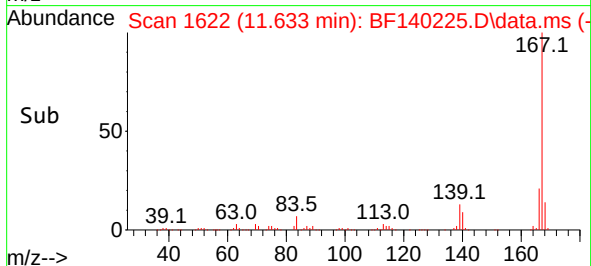
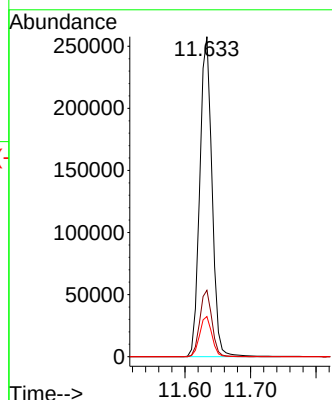
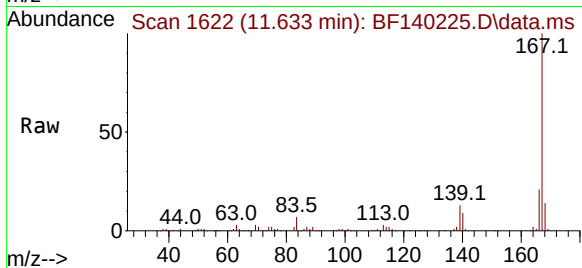
Tgt Ion:167 Resp: 334290

Ion Ratio Lower Upper

167 100

166 20.7 17.3 25.9

139 12.5 10.4 15.6



#74

Di-n-butylphthalate

Concen: 9.386 ng

RT: 11.963 min Scan# 1678

Delta R.T. -0.006 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

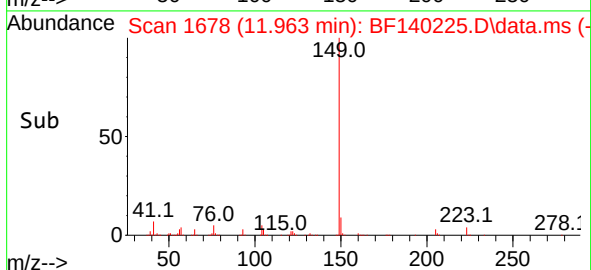
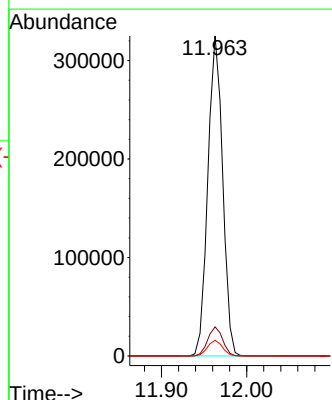
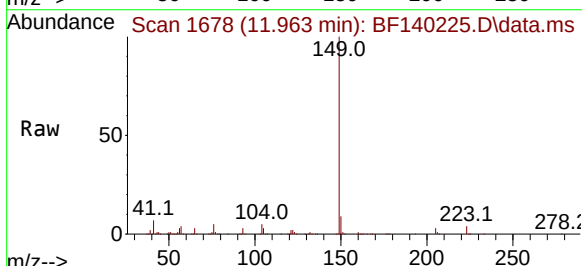
Tgt Ion:149 Resp: 391431

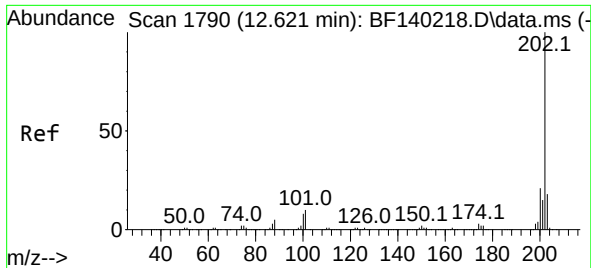
Ion Ratio Lower Upper

149 100

150 9.1 7.5 11.3

104 4.9 4.6 6.8

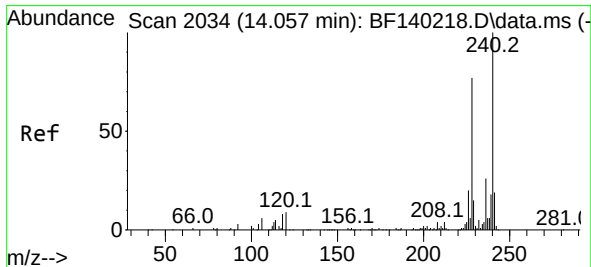
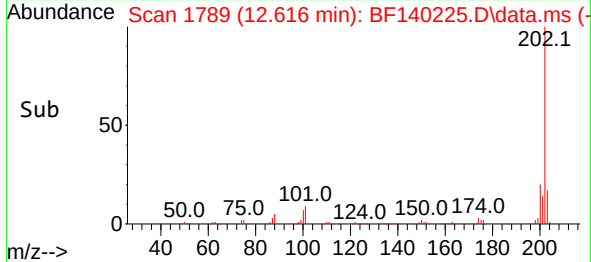
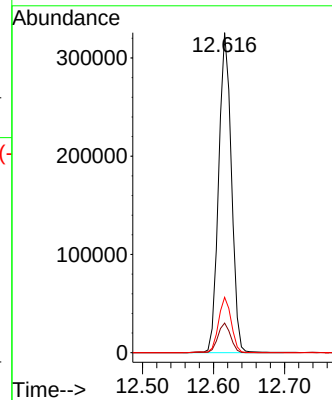
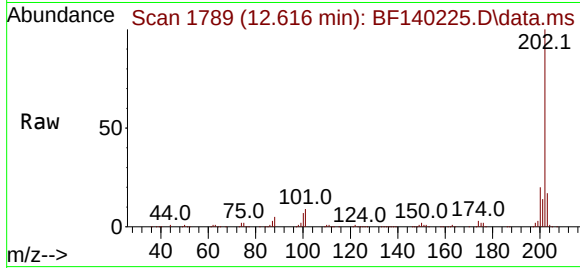




#75
Fluoranthene
Concen: 9.450 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

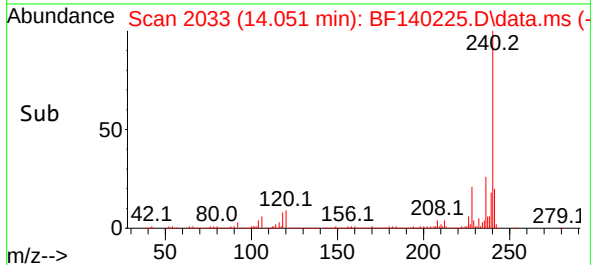
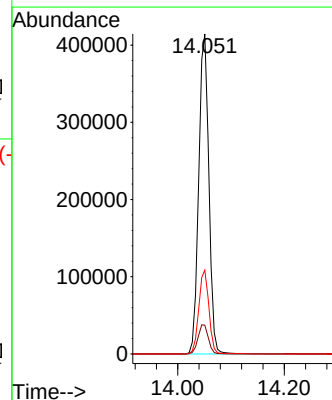
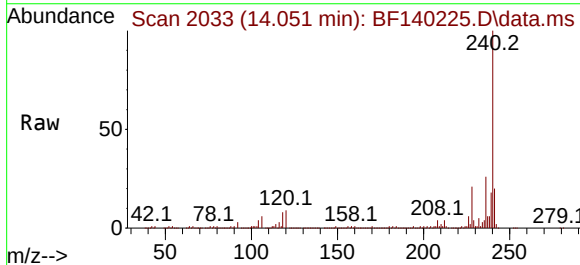
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

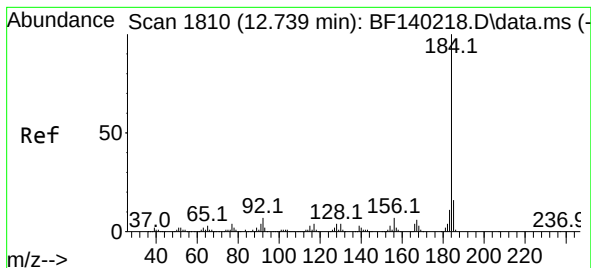
Tgt Ion:	202	Resp:	404933
Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	29.6
203	17.3	0.0	38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion:	240	Resp:	547978
Ion	Ratio	Lower	Upper
240	100		
120	9.0	7.0	10.4
236	26.2	20.6	30.8





#77

Benzidine

Concen: 10.286 ng

RT: 12.739 min Scan# 1810

Delta R.T. 0.000 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

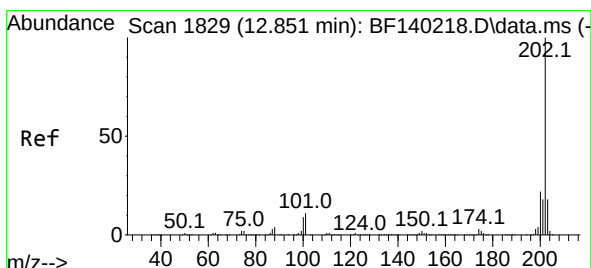
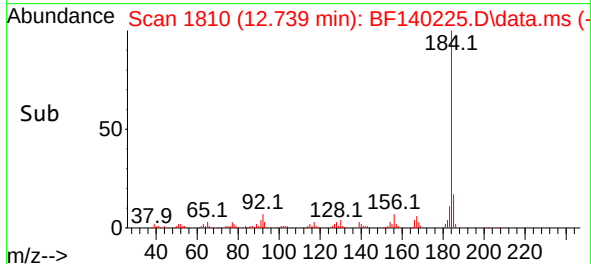
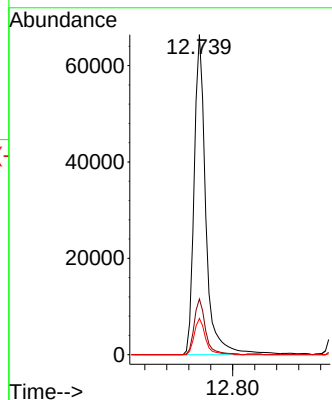
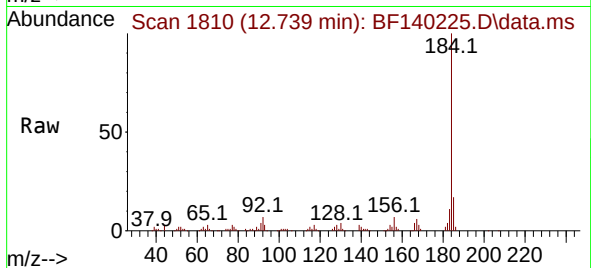
Tgt Ion:184 Resp: 97769

Ion Ratio Lower Upper

184 100

185 17.4 12.4 18.6

183 11.3 9.0 13.6



#78

Pyrene

Concen: 8.946 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

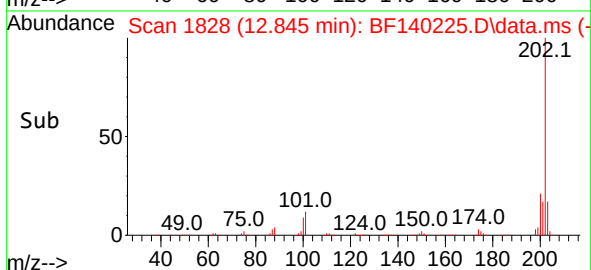
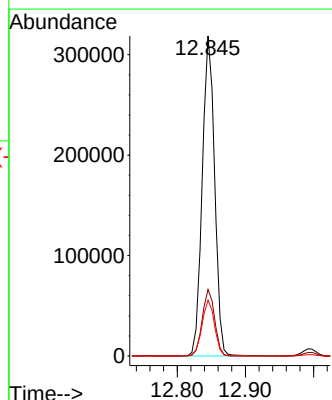
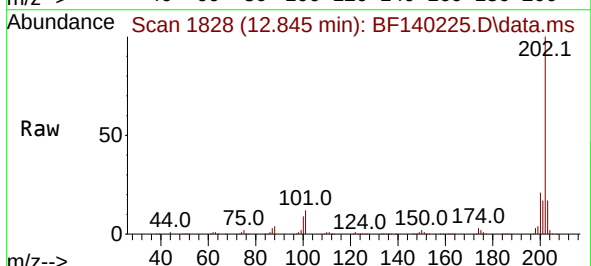
Tgt Ion:202 Resp: 402572

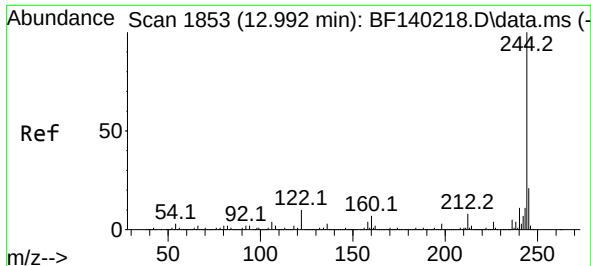
Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.0

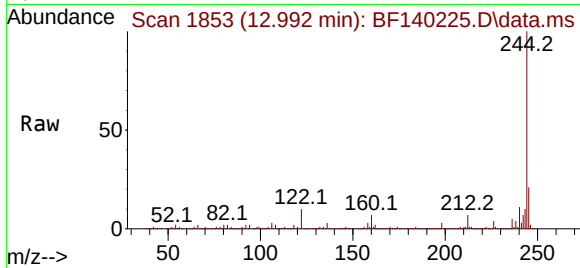
203 17.4 14.5 21.7



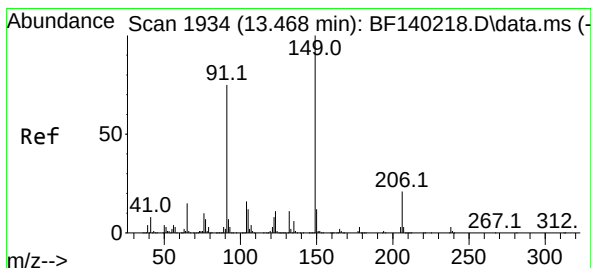
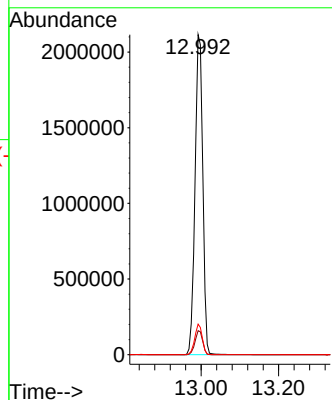
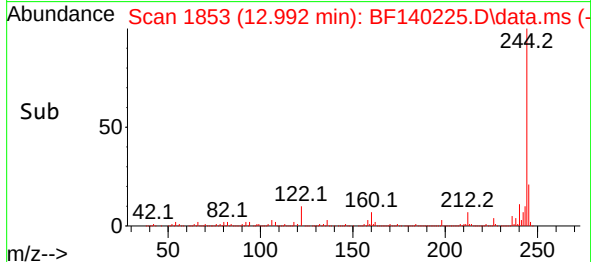


#79
 Terphenyl-d14
 Concen: 85.092 ng
 RT: 12.992 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: BF140225.D
 Acq: 04 Nov 2024 18:15

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2024

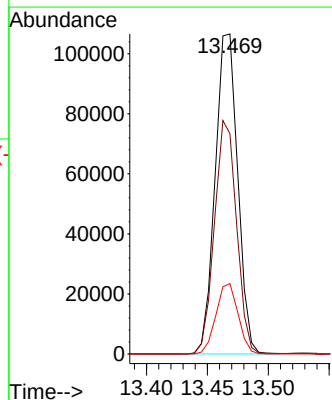
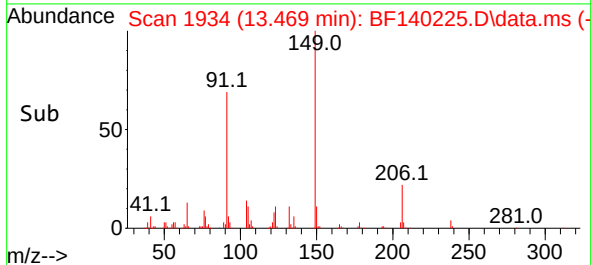
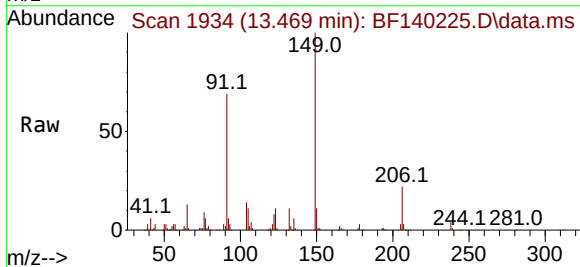


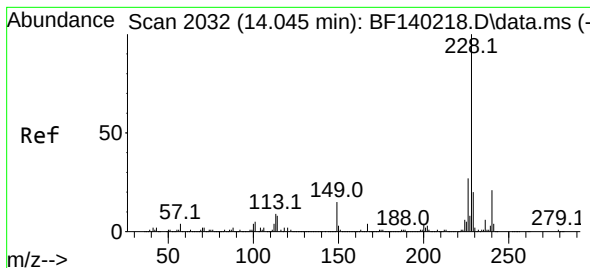
Tgt Ion:244 Resp: 2922531
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 9.5 7.7 11.5



#80
 Butylbenzylphthalate
 Concen: 8.729 ng
 RT: 13.469 min Scan# 1934
 Delta R.T. 0.000 min
 Lab File: BF140225.D
 Acq: 04 Nov 2024 18:15

Tgt Ion:149 Resp: 137775
 Ion Ratio Lower Upper
 149 100
 91 68.8 59.9 89.9
 206 22.0 16.7 25.1





#81

Benzo(a)anthracene

Concen: 9.228 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

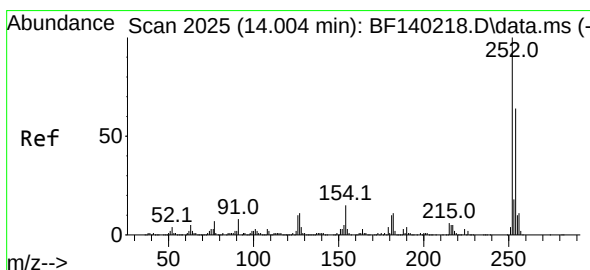
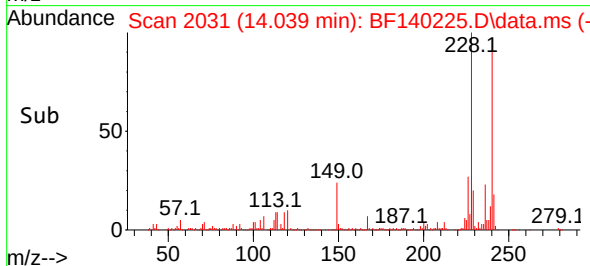
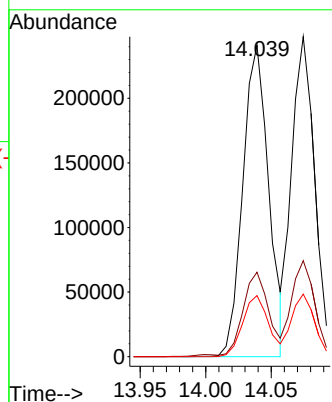
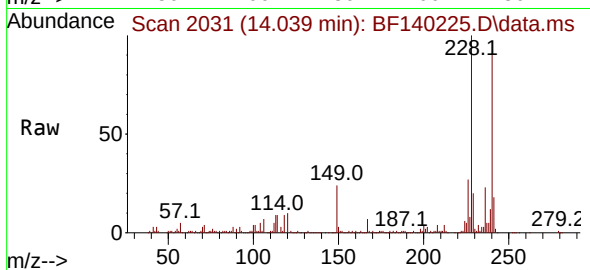
Tgt Ion:228 Resp: 331661

Ion Ratio Lower Upper

228 100

226 27.1 22.0 33.0

229 19.6 15.9 23.9



#82

3,3'-Dichlorobenzidine

Concen: 9.097 ng

RT: 13.998 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

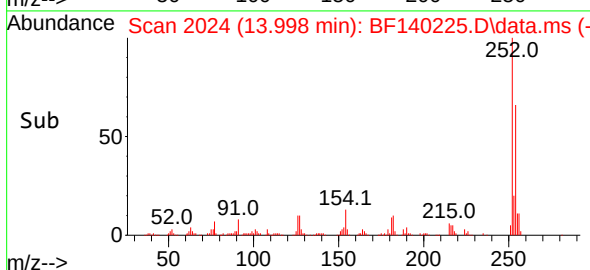
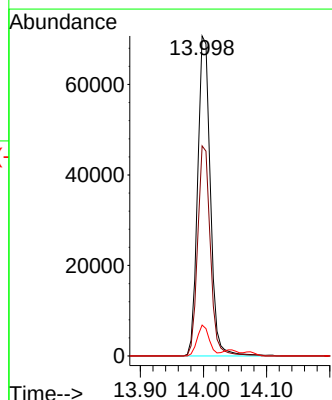
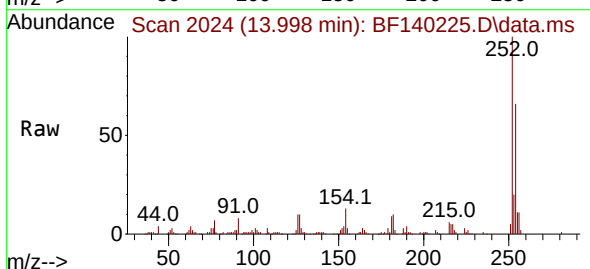
Tgt Ion:252 Resp: 98649

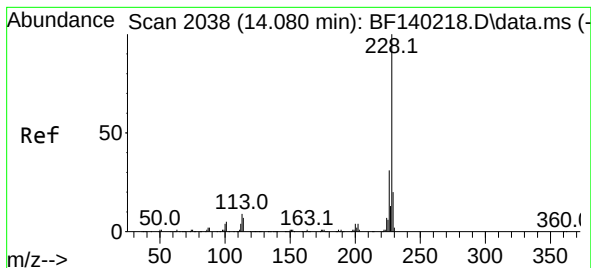
Ion Ratio Lower Upper

252 100

254 65.6 51.6 77.4

126 9.7 8.3 12.5





#83

Chrysene

Concen: 9.188 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

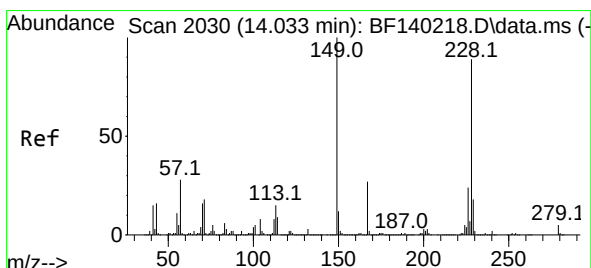
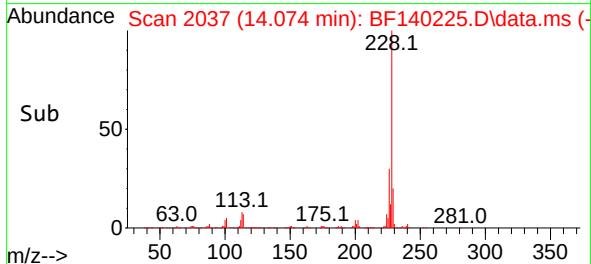
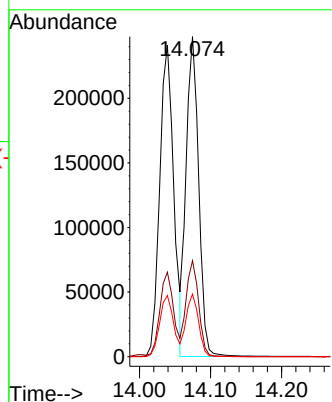
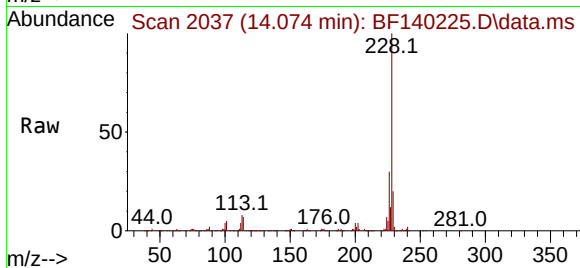
Tgt Ion:228 Resp: 303772

Ion Ratio Lower Upper

228 100

226 30.0 24.6 37.0

229 19.5 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.036 ng

RT: 14.027 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

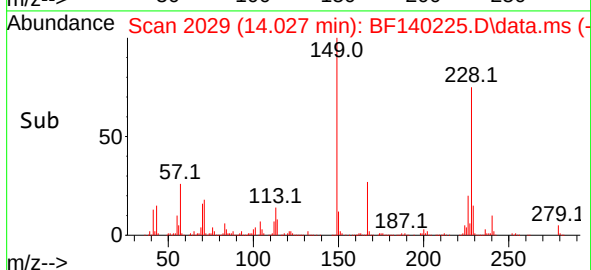
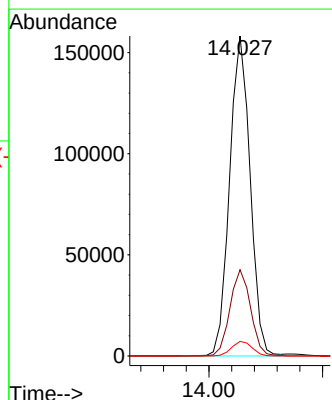
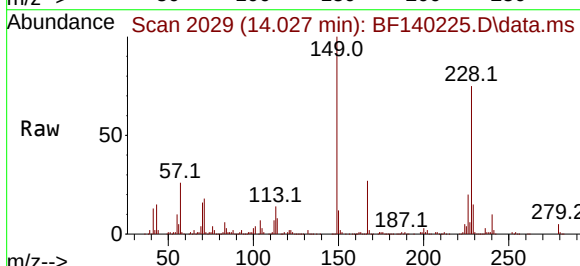
Tgt Ion:149 Resp: 198358

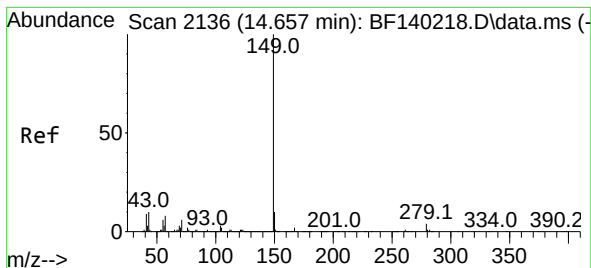
Ion Ratio Lower Upper

149 100

167 26.9 21.8 32.8

279 4.6 3.8 5.8





#85

Di-n-octyl phthalate

Concen: 8.743 ng

RT: 14.651 min Scan# 2135

Delta R.T. -0.006 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

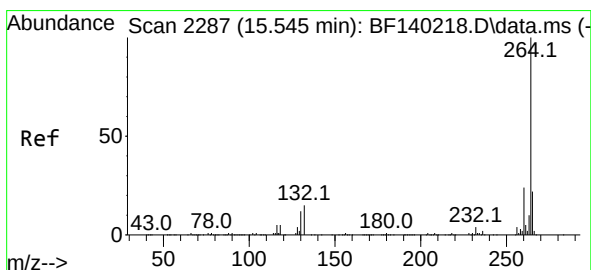
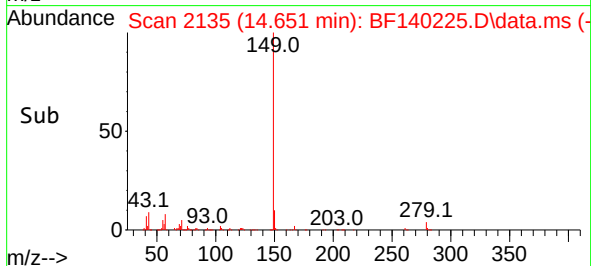
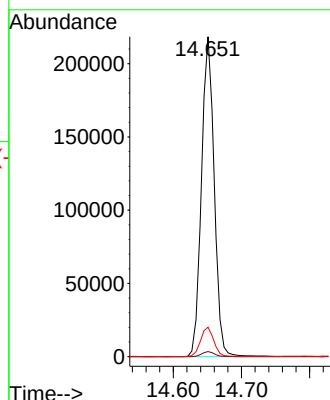
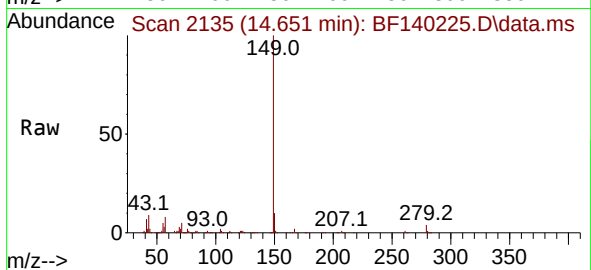
Tgt Ion:149 Resp: 284598

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.7 8.7 13.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2286

Delta R.T. -0.006 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

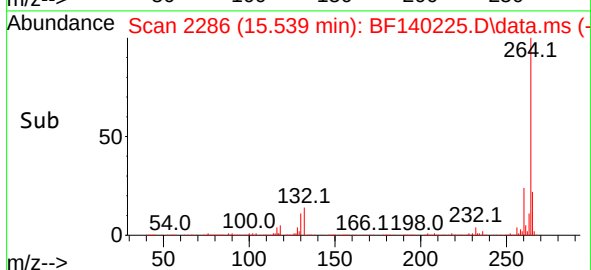
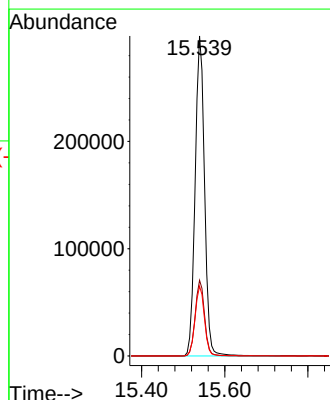
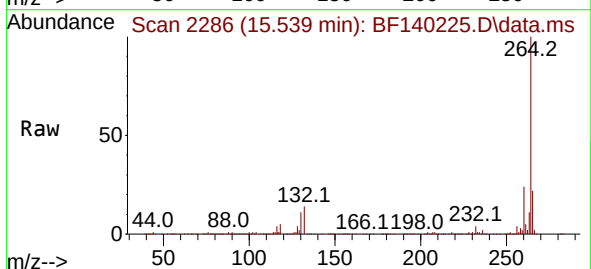
Tgt Ion:264 Resp: 468623

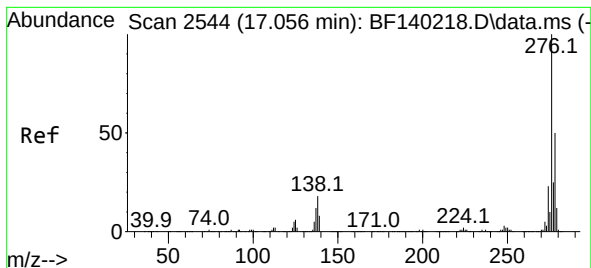
Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

265 21.8 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.576 ng

RT: 17.039 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

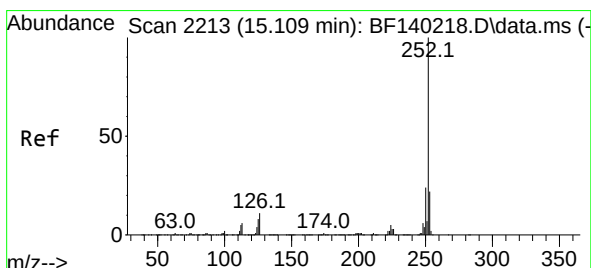
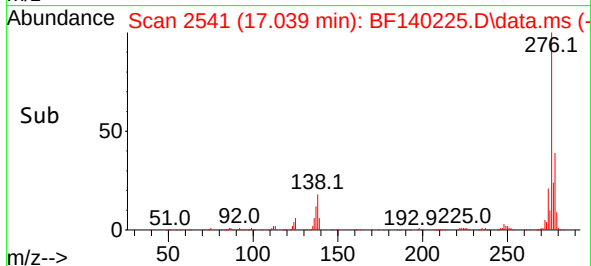
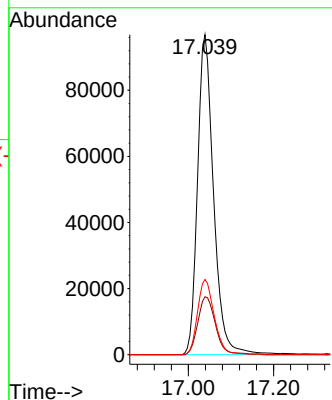
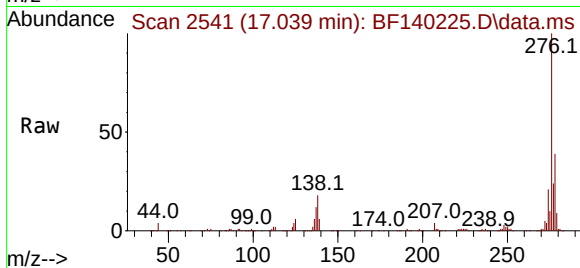
Tgt Ion:276 Resp: 252974

Ion Ratio Lower Upper

276 100

138 19.9 15.7 23.5

277 24.4 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 8.789 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.012 min

Lab File: BF140225.D

Acq: 04 Nov 2024 18:15

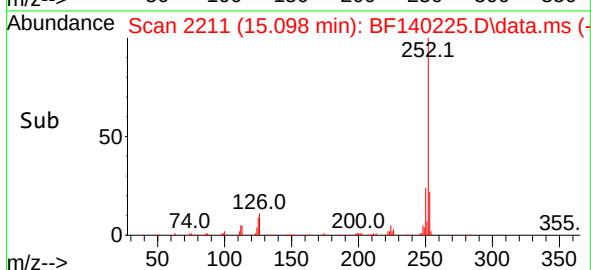
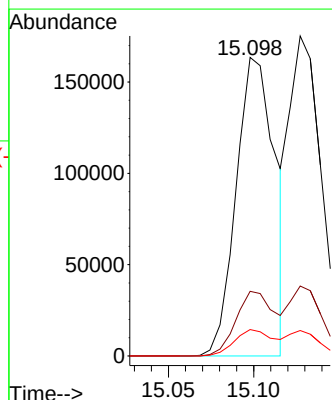
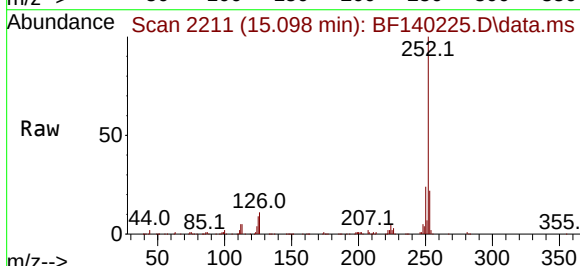
Tgt Ion:252 Resp: 259776

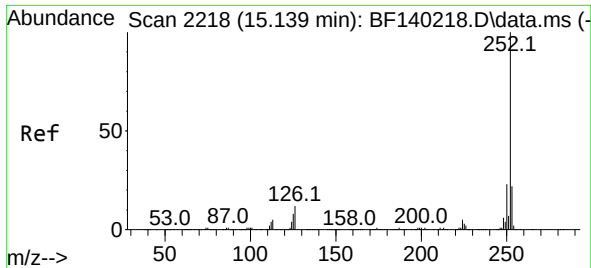
Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

125 8.9 6.6 10.0

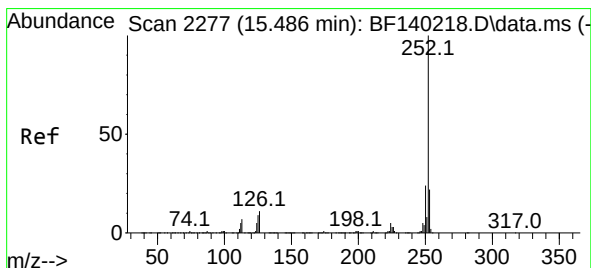
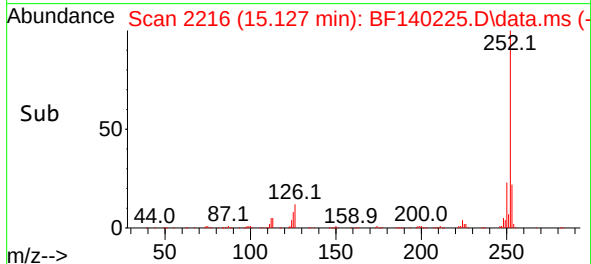
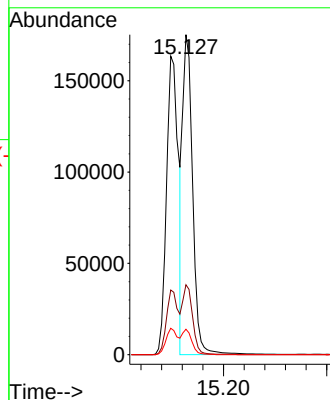
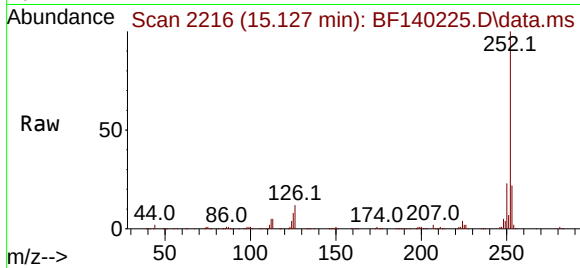




#89
Benzo(k)fluoranthene
Concen: 9.002 ng
RT: 15.127 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

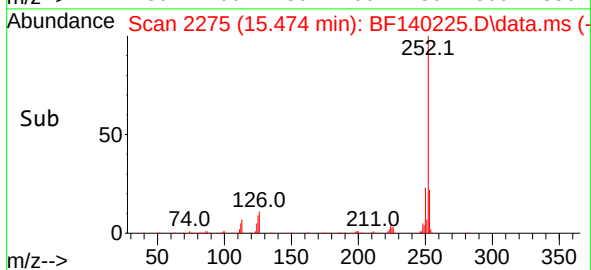
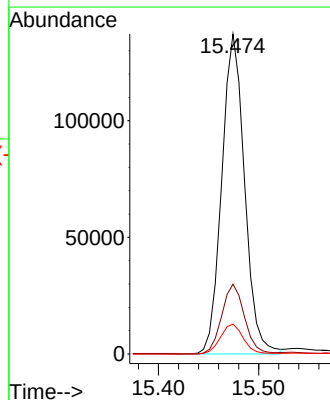
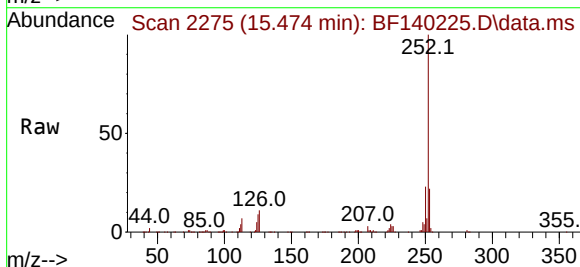
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

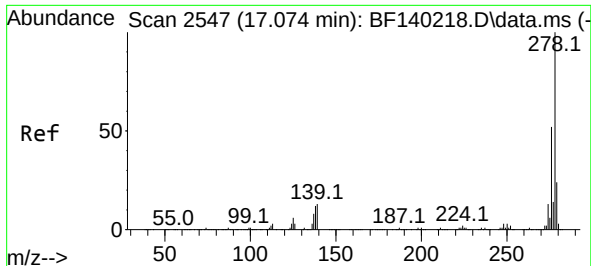
Tgt Ion:252 Resp: 237131
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 8.0 6.7 10.1



#90
Benzo(a)pyrene
Concen: 9.102 ng
RT: 15.474 min Scan# 2275
Delta R.T. -0.012 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion:252 Resp: 216840
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.2
125 9.4 7.0 10.6

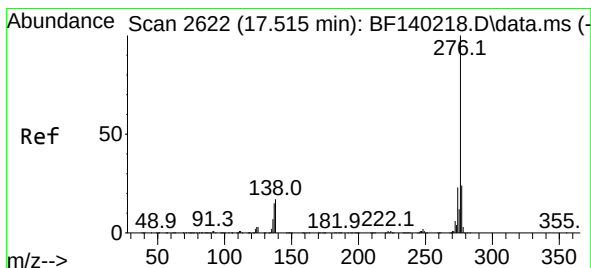
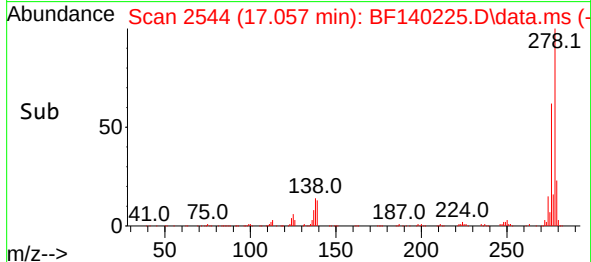
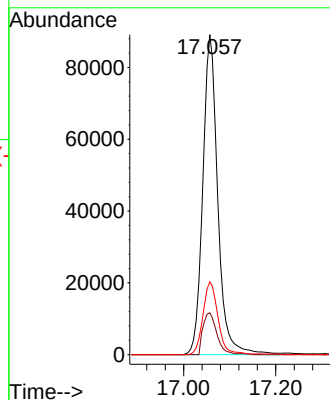
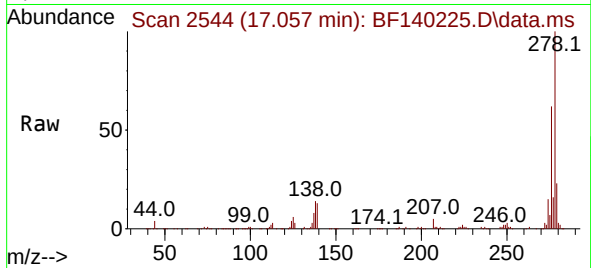




#91
Dibenzo(a,h)anthracene
Concen: 8.437 ng
RT: 17.057 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:278 Resp: 202688
Ion Ratio Lower Upper
278 100
139 13.1 10.2 15.2
279 22.8 18.9 28.3



#92
Benzo(g,h,i)perylene
Concen: 7.840 ng
RT: 17.492 min Scan# 2618
Delta R.T. -0.023 min
Lab File: BF140225.D
Acq: 04 Nov 2024 18:15

Tgt Ion:276 Resp: 192298
Ion Ratio Lower Upper
276 100
277 23.6 19.1 28.7
138 15.9 13.5 20.3

