

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
 Data File : BF140246.D
 Acq On : 05 Nov 2024 19:15
 Operator : RC/JU
 Sample : P4368-01
 Misc : LOD-MDL-SOIL-4 PPM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024

Quant Time: Nov 05 23:45:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 23:41:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	203009	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	752181	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	453027	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	820433	20.000	ng	0.00
76) Chrysene-d12	14.051	240	534860	20.000	ng	-0.01
86) Perylene-d12	15.551	264	472240	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1510569	123.311	ng	0.00
7) Phenol-d6	6.504	99	1927716	122.344	ng	0.00
23) Nitrobenzene-d5	7.439	82	1398800	92.459	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	623416	139.220	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2449449	86.337	ng	0.00
79) Terphenyl-d14	12.998	244	2617786	80.176	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	24113	4.281	ng	97
3) Pyridine	3.540	79	55446	4.035	ng	96
4) n-Nitrosodimethylamine	3.369	42	34111	4.299	ng	99
6) Aniline	6.545	93	81996	5.760	ng	99
8) 2-Chlorophenol	6.663	128	61830	4.824	ng	# 82
9) Benzaldehyde	6.428	77	57138	5.887	ng	97
10) Phenol	6.516	94	78794	4.709	ng	# 45
11) bis(2-Chloroethyl)ether	6.610	93	61309	4.823	ng	98
12) 1,3-Dichlorobenzene	6.816	146	69660	4.638	ng	98
13) 1,4-Dichlorobenzene	6.892	146	71468	4.718	ng	99
14) 1,2-Dichlorobenzene	7.045	146	66863	4.726	ng	96
15) Benzyl Alcohol	7.010	79	79579	6.552	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	102979	5.004	ng	99
17) 2-Methylphenol	7.116	107	50432	4.717	ng	97
18) Hexachloroethane	7.386	117	25542	4.526	ng	97
19) n-Nitroso-di-n-propyla...	7.281	70	47524	4.728	ng	98
20) 3+4-Methylphenols	7.269	107	65032	4.843	ng	98
22) Acetophenone	7.281	105	95711	5.132	ng	92
24) Nitrobenzene	7.457	77	75765	4.773	ng	97
25) Isophorone	7.686	82	126511	4.856	ng	100
26) 2-Nitrophenol	7.769	139	28699	4.545	ng	97
27) 2,4-Dimethylphenol	7.798	122	36982	4.305	ng	97
28) bis(2-Chloroethoxy)met...	7.898	93	76287	4.894	ng	98
29) 2,4-Dichlorophenol	8.004	162	53113	4.998	ng	97
30) 1,2,4-Trichlorobenzene	8.092	180	60329	4.737	ng	99
31) Naphthalene	8.175	128	191429	4.928	ng	99
32) Benzoic acid	7.857	122	16864	2.392	ng	96
33) 4-Chloroaniline	8.222	127	69965	5.472	ng	97
34) Hexachlorobutadiene	8.292	225	38751	4.495	ng	98
35) Caprolactam	8.551	113	15354	4.749	ng	99
36) 4-Chloro-3-methylphenol	8.698	107	56698	4.792	ng	97
37) 2-Methylnaphthalene	8.869	142	127489	5.029	ng	99
38) 1-Methylnaphthalene	8.963	142	117059	4.711	ng	99
40) 1,2,4,5-Tetrachloroben...	9.033	216	63649	4.799	ng	98
41) Hexachlorocyclopentadiene	9.022	237	16092	4.330	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	36838	4.482	ng	100

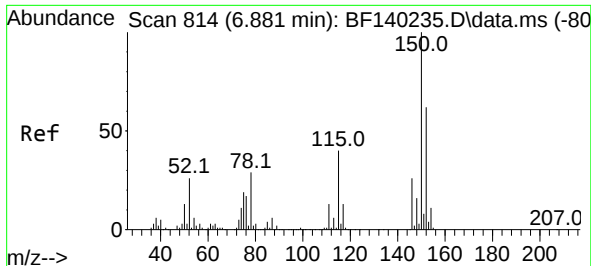
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 QLast Update : Tue Nov 05 23:41:33 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.180	196	38968	4.509	ng	99
46) 1,1'-Biphenyl	9.333	154	170886	5.219	ng	97
47) 2-Chloronaphthalene	9.357	162	117439	4.765	ng	98
48) 2-Nitroaniline	9.451	65	36886	4.475	ng	97
49) Acenaphthylene	9.775	152	186879	5.356	ng	99
50) Dimethylphthalate	9.627	163	138438	4.962	ng	98
51) 2,6-Dinitrotoluene	9.692	165	29662	4.523	ng	93
52) Acenaphthene	9.945	154	116532	4.709	ng	98
53) 3-Nitroaniline	9.857	138	29748	4.817	ng	99
55) Dibenzofuran	10.116	168	174737	5.049	ng	98
56) 4-Nitrophenol	10.016	139	15825	3.645	ng	99
57) 2,4-Dinitrotoluene	10.092	165	37702	4.430	ng	97
58) Fluorene	10.463	166	138839	5.040	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.233	232	33104	4.676	ng	98
60) Diethylphthalate	10.333	149	135670	4.893	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	68355	4.923	ng	96
62) 4-Nitroaniline	10.469	138	28193	4.594	ng	95
63) Azobenzene	10.616	77	141001	4.906	ng	98
65) 4,6-Dinitro-2-methylph...	10.504	198	11220	2.604	ng	97
66) n-Nitrosodiphenylamine	10.575	169	115393	4.890	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	42029	4.757	ng	98
68) Hexachlorobenzene	11.010	284	47215	4.688	ng	97
69) Atrazine	11.092	200	39371	6.098	ng	97
70) Pentachlorophenol	11.204	266	16728	3.093	ng	97
71) Phenanthrene	11.427	178	200367	5.117	ng	98
72) Anthracene	11.474	178	200720	5.228	ng	99
73) Carbazole	11.633	167	170954	4.873	ng	98
74) Di-n-butylphthalate	11.963	149	202976	4.888	ng	99
75) Fluoranthene	12.616	202	202461	4.945	ng	98
77) Benzidine	12.739	184	60191	5.756	ng	96
78) Pyrene	12.845	202	204155	4.623	ng	98
80) Butylbenzylphthalate	13.468	149	72607	4.566	ng	94
81) Benzo(a)anthracene	14.039	228	161691	4.711	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	47190	4.378	ng	100
83) Chrysene	14.074	228	156413	4.866	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	102625	4.605	ng	98
85) Di-n-octyl phthalate	14.662	149	152245	4.538	ng	99
87) Indeno(1,2,3-cd)pyrene	17.045	276	117580	4.242	ng	99
88) Benzo(b)fluoranthene	15.110	252	124575	4.361	ng	99
89) Benzo(k)fluoranthene	15.139	252	128269	4.894	ng	98
90) Benzo(a)pyrene	15.480	252	112388	4.772	ng	99
91) Dibenzo(a,h)anthracene	17.062	278	95275	4.178	ng	98
92) Benzo(g,h,i)perylene	17.498	276	90878	3.906	ng	98

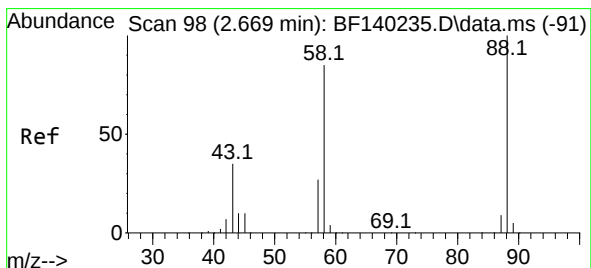
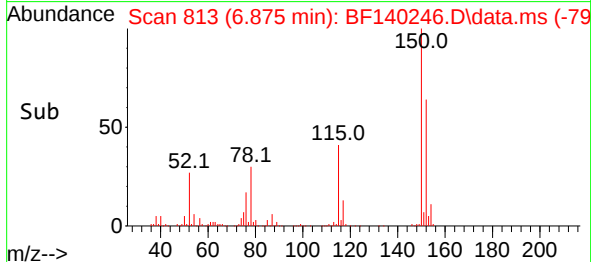
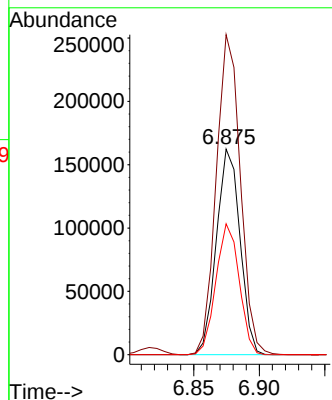
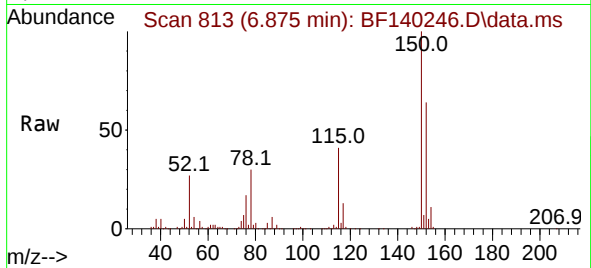
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

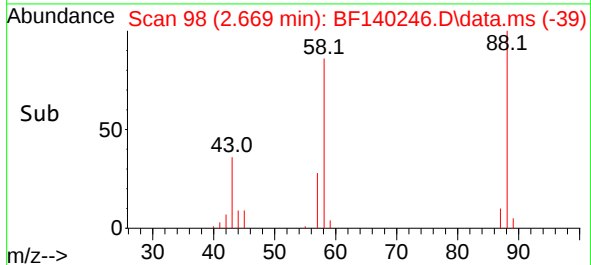
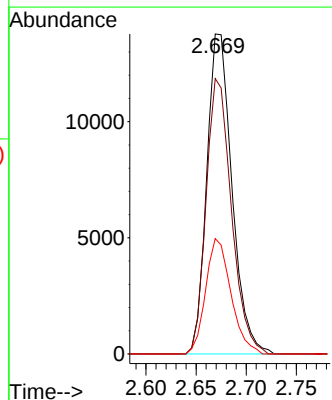
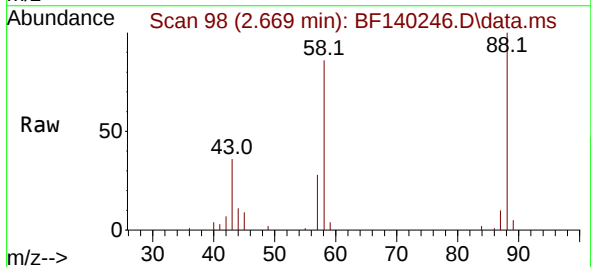
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

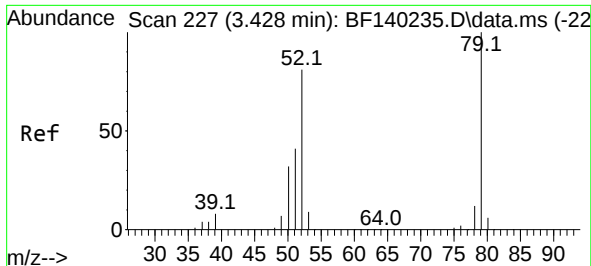
Tgt Ion:152 Resp: 203009
Ion Ratio Lower Upper
152 100
150 155.7 129.4 194.2
115 63.7 51.5 77.3



#2
1,4-Dioxane
Concen: 4.281 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.000 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

Tgt Ion: 88 Resp: 24113
Ion Ratio Lower Upper
88 100
58 86.2 66.7 100.1
43 36.1 27.8 41.8





#3

Pyridine

Concen: 4.035 ng

RT: 3.540 min Scan# 217

Delta R.T. 0.112 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

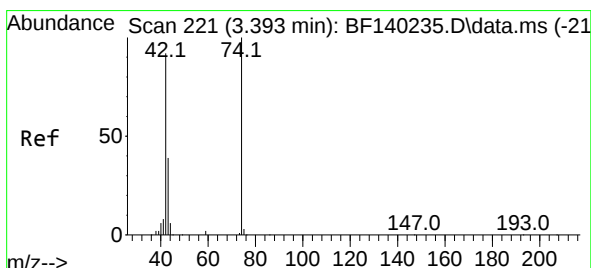
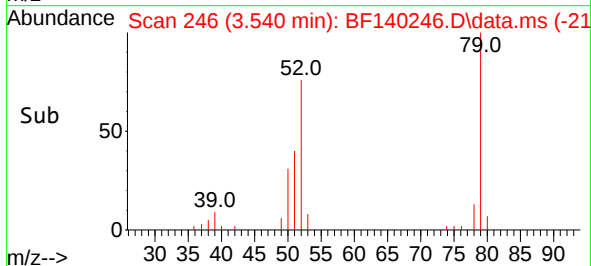
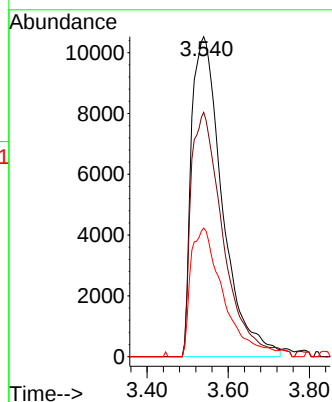
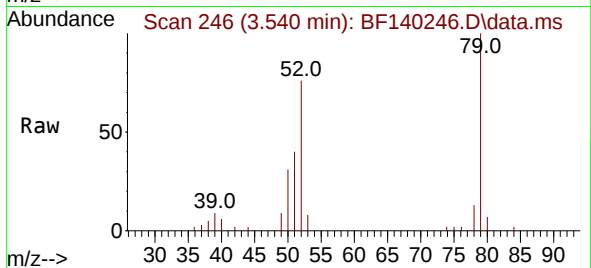
Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

Tgt Ion: 79	Resp: 55446
Ion Ratio	Lower Upper
79 100	
52 76.4	64.6 97.0
51 40.2	32.5 48.7



#4

n-Nitrosodimethylamine

Concen: 4.299 ng

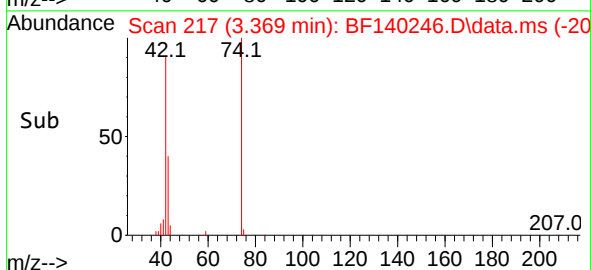
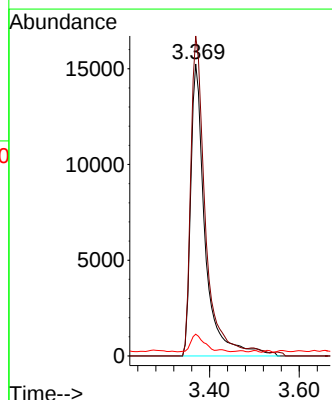
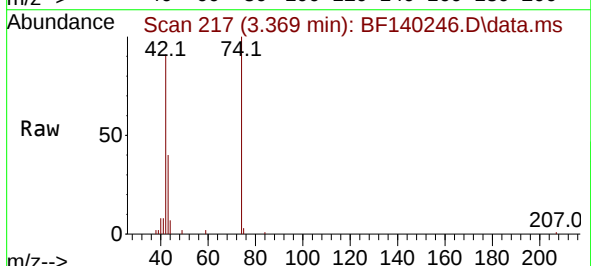
RT: 3.369 min Scan# 217

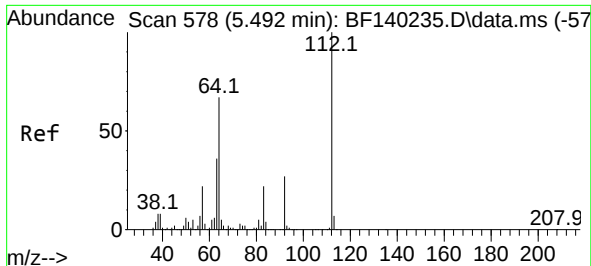
Delta R.T. -0.024 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Tgt Ion: 42	Resp: 34111
Ion Ratio	Lower Upper
42 100	
74 109.6	86.9 130.3
44 7.4	5.0 7.6

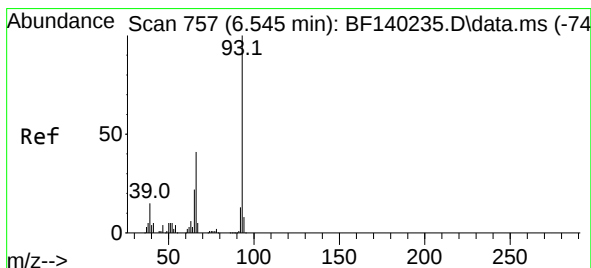
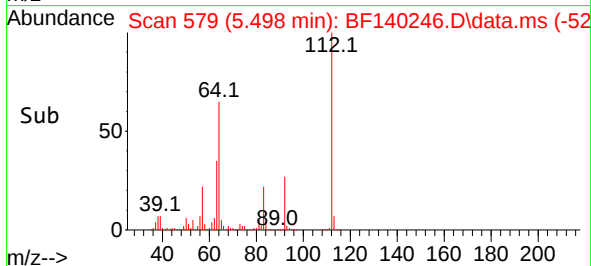
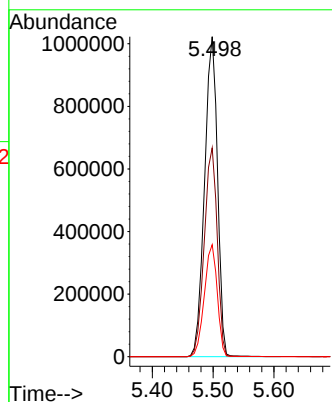
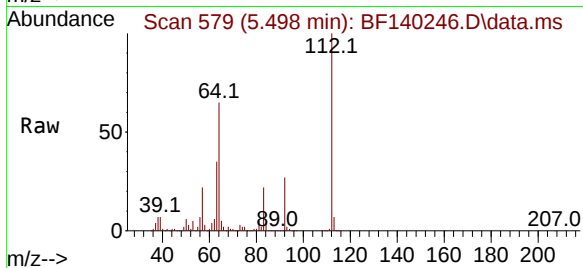




#5
2-Fluorophenol
Concen: 123.311 ng
RT: 5.498 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

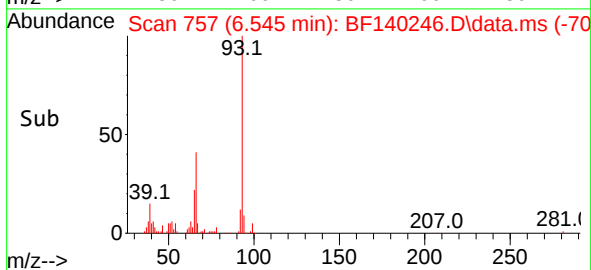
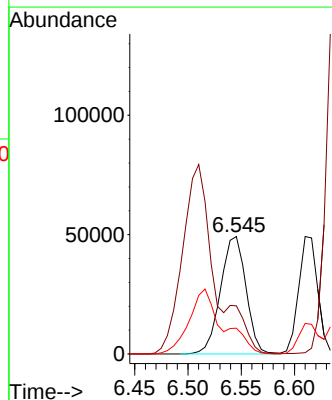
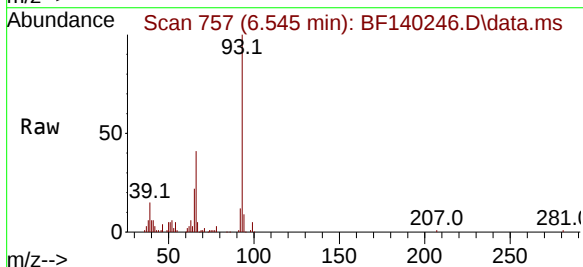
Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

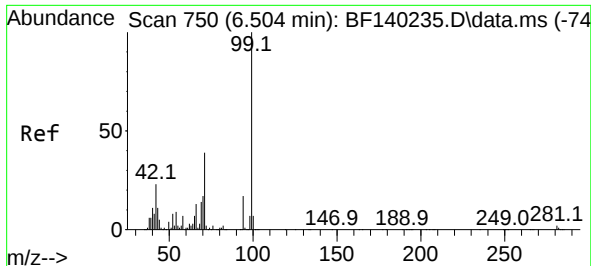
Tgt Ion:112 Resp: 1510569
Ion Ratio Lower Upper
112 100
64 65.3 53.4 80.2
63 35.0 28.9 43.3



#6
Aniline
Concen: 5.760 ng
RT: 6.545 min Scan# 757
Delta R.T. -0.000 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

Tgt Ion: 93 Resp: 81996
Ion Ratio Lower Upper
93 100
66 41.0 33.6 50.4
65 22.0 17.5 26.3

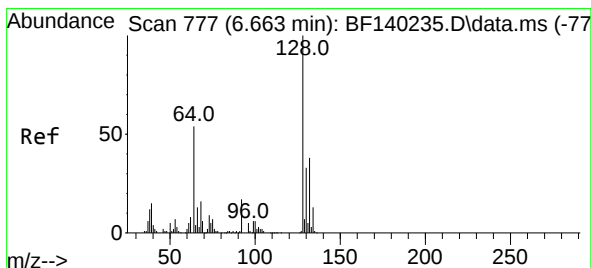
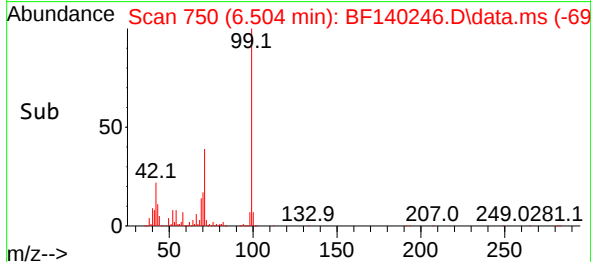
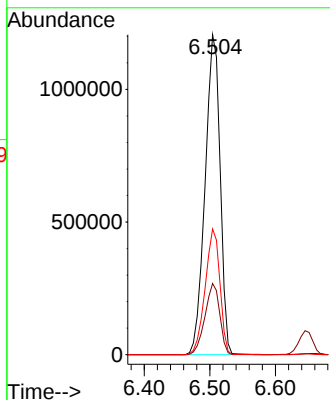
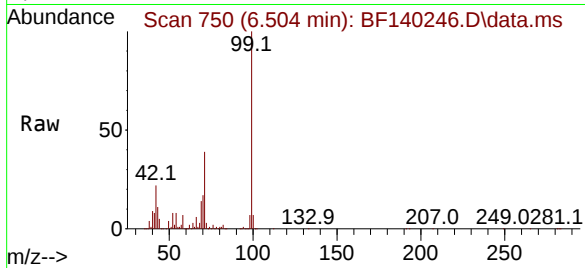




#7
Phenol-d6
Concen: 122.344 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.000 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

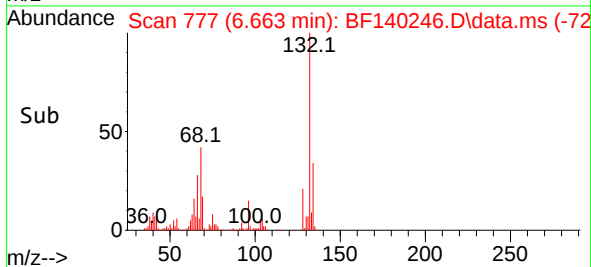
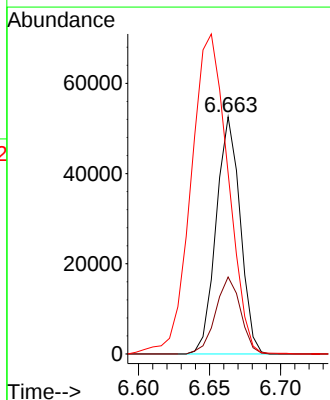
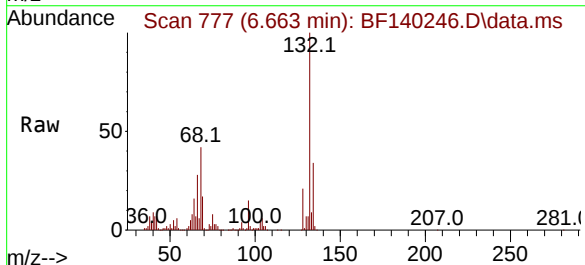
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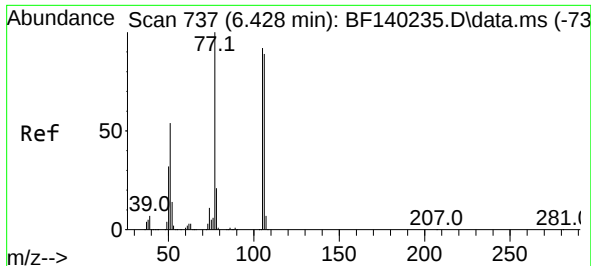
Tgt Ion: 99 Resp: 1927716
Ion Ratio Lower Upper
99 100
42 22.2 18.2 27.2
71 39.3 30.9 46.3



#8
2-Chlorophenol
Concen: 4.824 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.000 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

Tgt Ion:128 Resp: 61830
Ion Ratio Lower Upper
128 100
130 32.4 12.9 52.9
64 76.3 36.3 76.3#

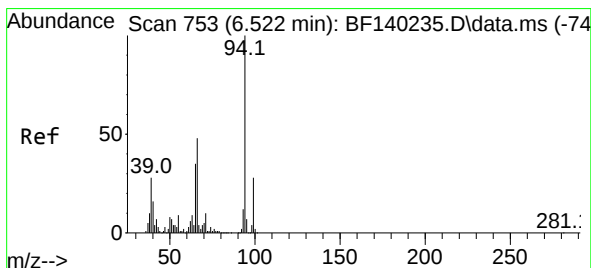
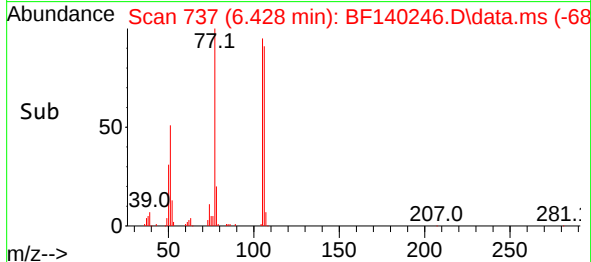
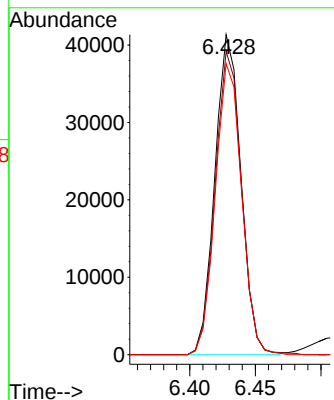
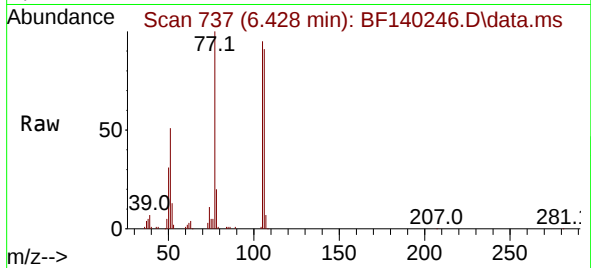




#9
Benzaldehyde
Concen: 5.887 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

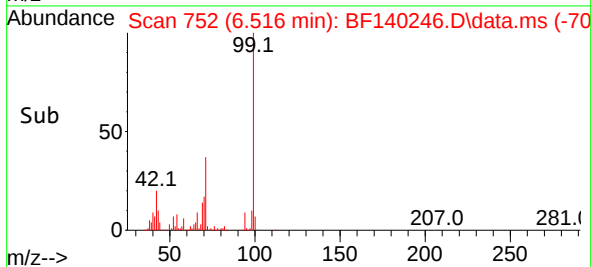
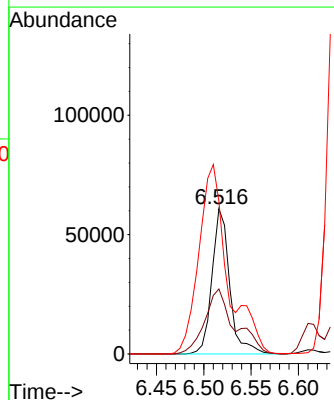
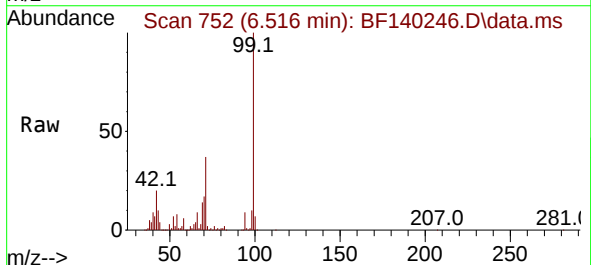
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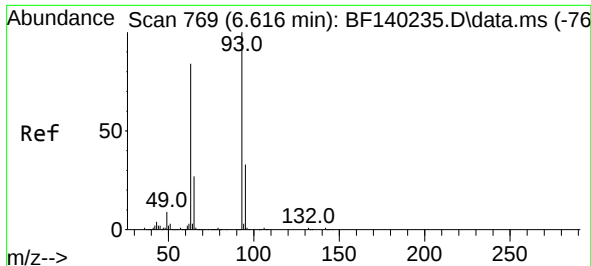
Tgt Ion: 77 Resp: 57138
Ion Ratio Lower Upper
77 100
105 94.8 72.1 112.1
106 90.9 68.8 108.8



#10
Phenol
Concen: 4.709 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

Tgt Ion: 94 Resp: 78794
Ion Ratio Lower Upper
94 100
65 44.7 15.1 55.1
66 105.1 28.8 68.8#

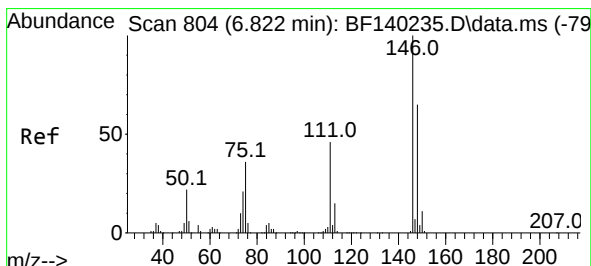
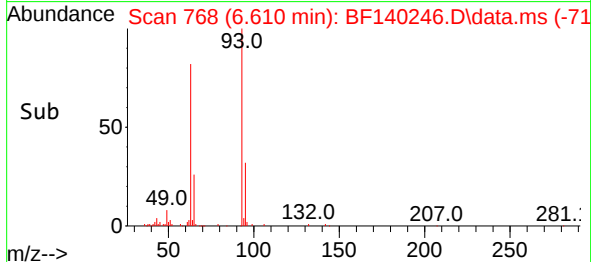
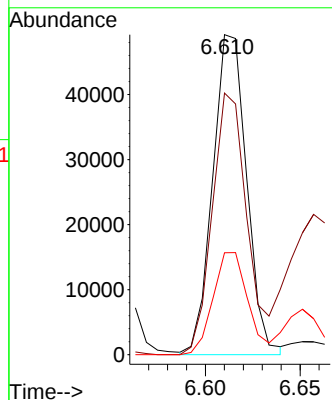
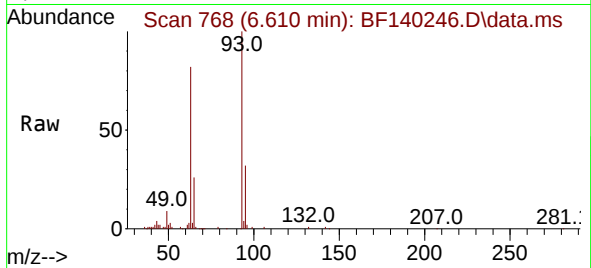




#11
bis(2-Chloroethyl)ether
Concen: 4.823 ng
RT: 6.610 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

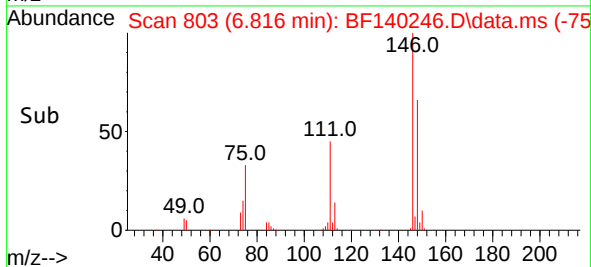
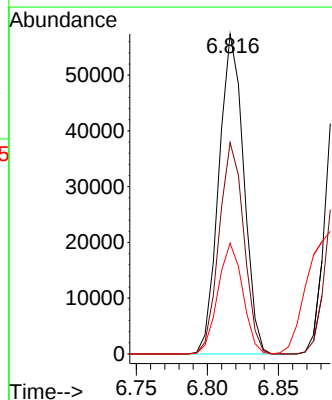
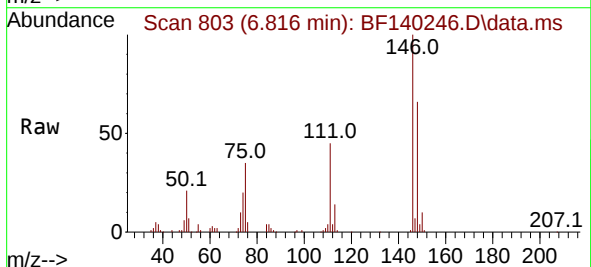
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

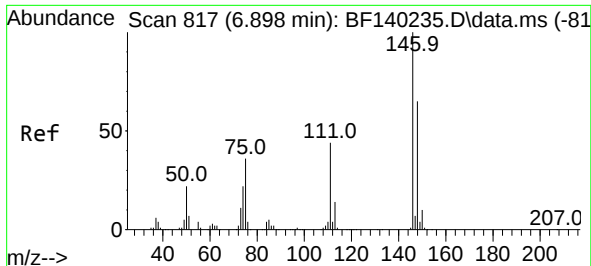
Tgt Ion: 93 Resp: 61309
Ion Ratio Lower Upper
93 100
63 81.8 63.6 103.6
95 31.9 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 4.638 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

Tgt Ion:146 Resp: 69660
Ion Ratio Lower Upper
146 100
148 66.1 51.7 77.5
75 34.6 28.4 42.6

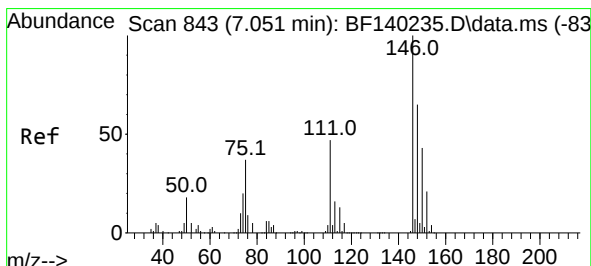
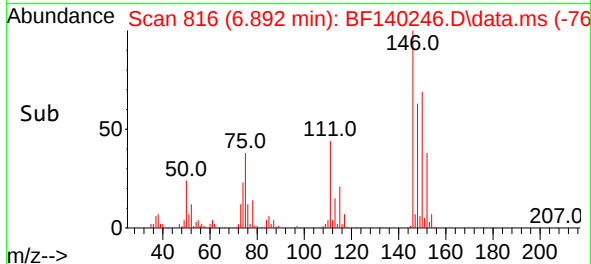
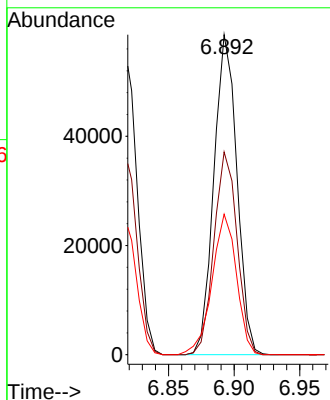
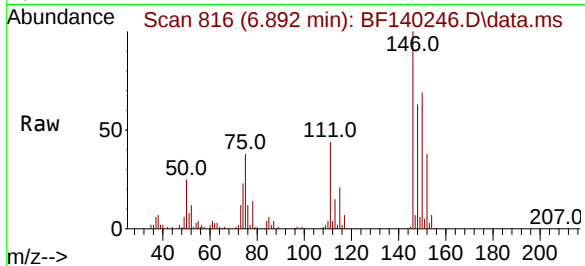




#13
1,4-Dichlorobenzene
Concen: 4.718 ng
RT: 6.892 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

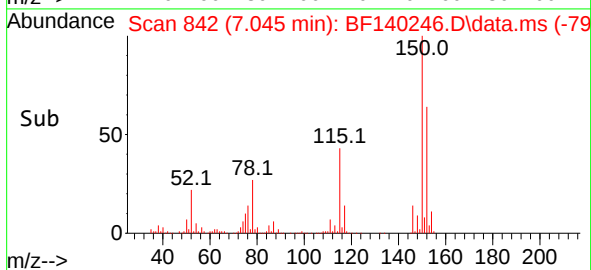
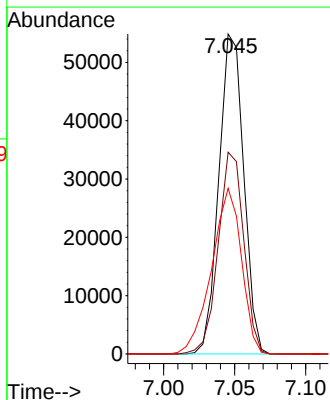
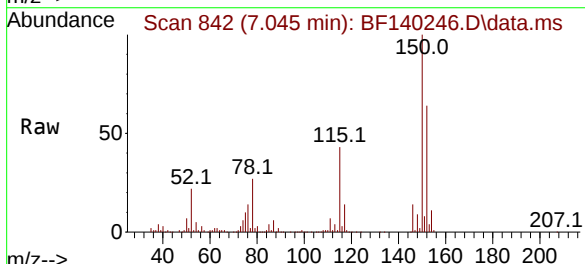
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

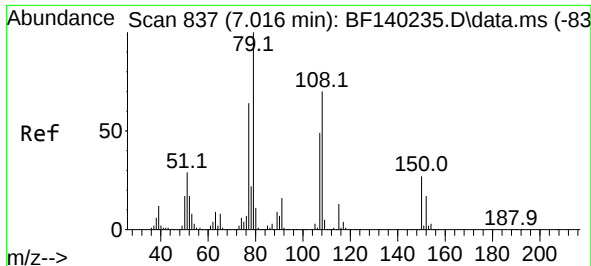
Tgt Ion:146 Resp: 71468
Ion Ratio Lower Upper
146 100
148 63.4 51.8 77.6
111 43.9 35.4 53.2



#14
1,2-Dichlorobenzene
Concen: 4.726 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

Tgt Ion:146 Resp: 66863
Ion Ratio Lower Upper
146 100
148 63.0 51.8 77.6
111 51.7 37.9 56.9

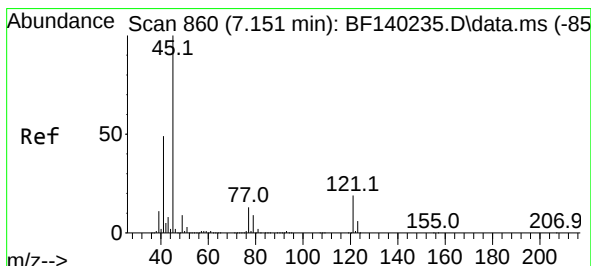
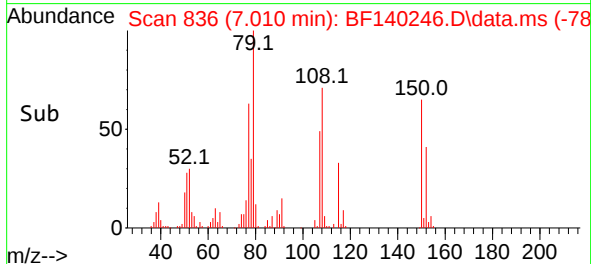
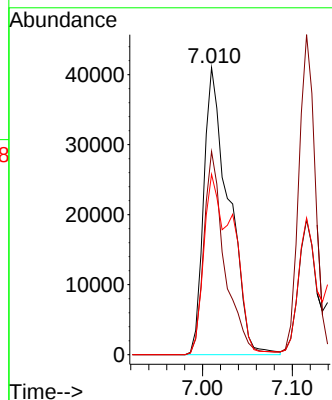
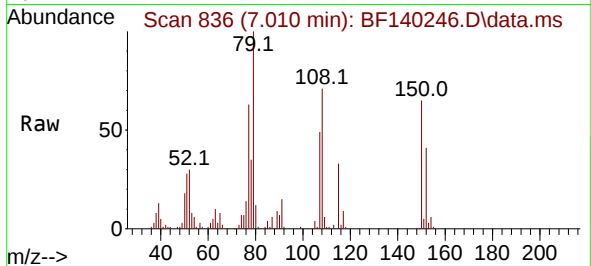




#15
Benzyl Alcohol
Concen: 6.552 ng
RT: 7.010 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

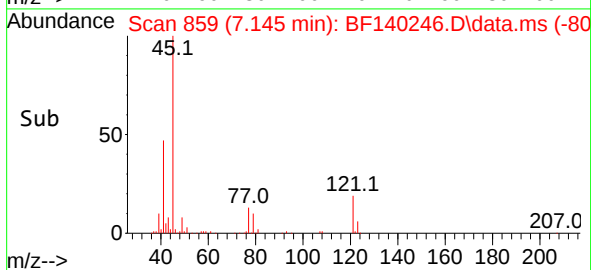
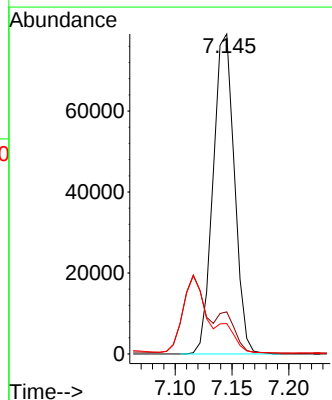
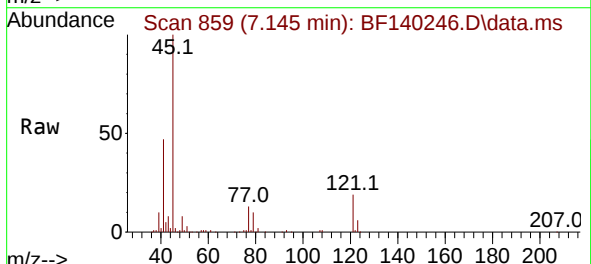
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

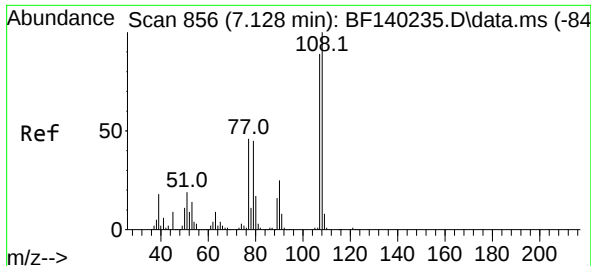
Tgt Ion: 79 Resp: 79579
Ion Ratio Lower Upper
79 100
108 70.8 55.8 83.6
77 62.8 51.1 76.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.004 ng
RT: 7.145 min Scan# 859
Delta R.T. -0.006 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

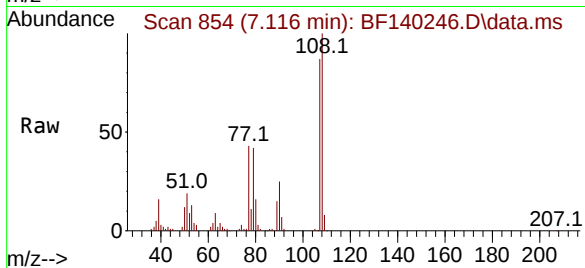
Tgt Ion: 45 Resp: 102979
Ion Ratio Lower Upper
45 100
77 13.2 0.0 33.3
79 9.5 0.0 29.9



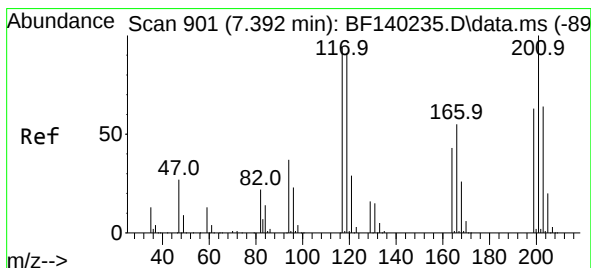
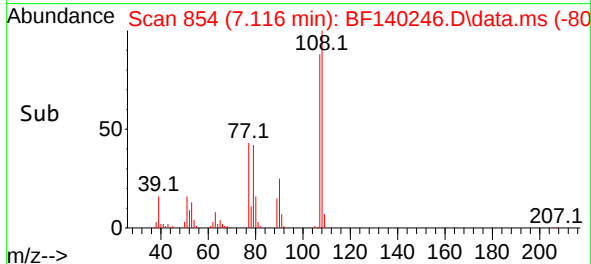
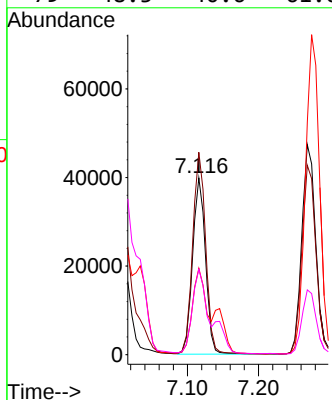


#17
2-Methylphenol
Concen: 4.717 ng
RT: 7.116 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

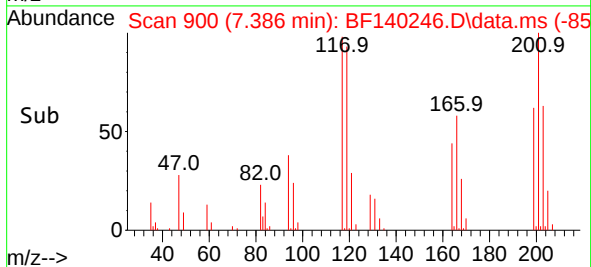
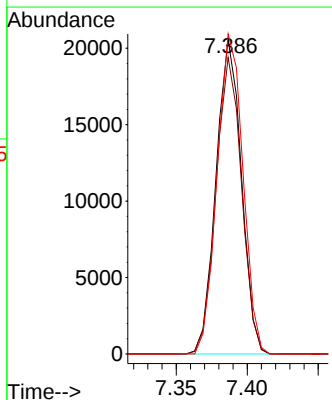
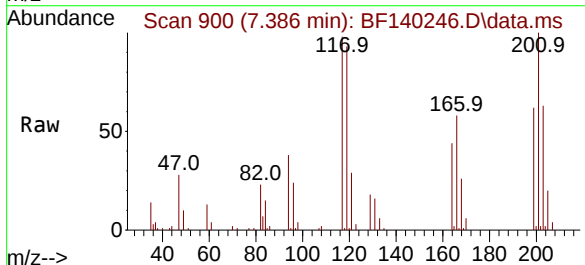


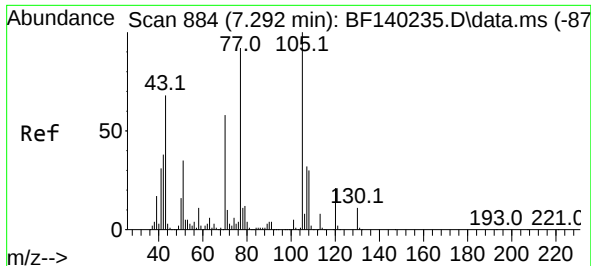
Tgt Ion:	107	Resp:	50432
Ion	Ratio	Lower	Upper
107	100		
108	114.4	90.5	135.7
77	48.9	41.8	62.6
79	48.3	40.6	61.0



#18
Hexachloroethane
Concen: 4.526 ng
RT: 7.386 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

Tgt Ion:	117	Resp:	25542
Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.3	115.9
201	101.7	85.1	127.7

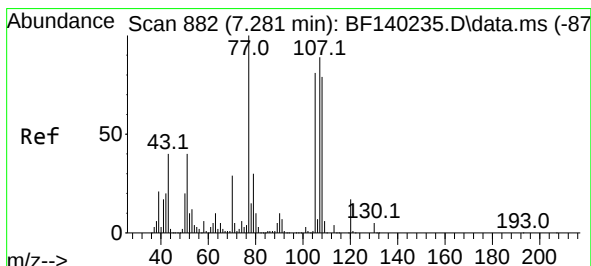
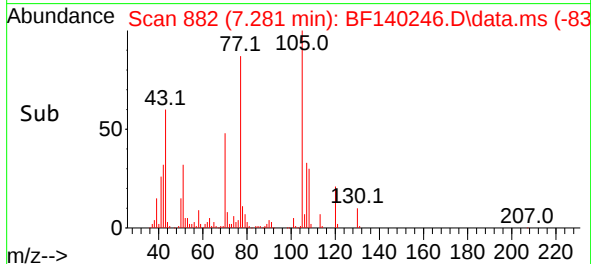
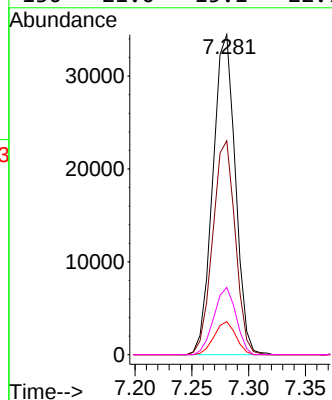
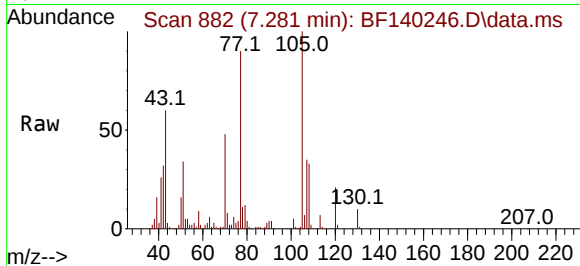




#19
n-Nitroso-di-n-propylamine
Concen: 4.728 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

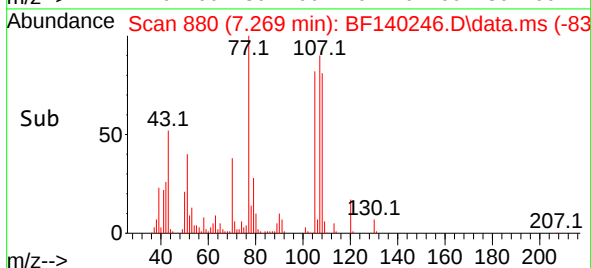
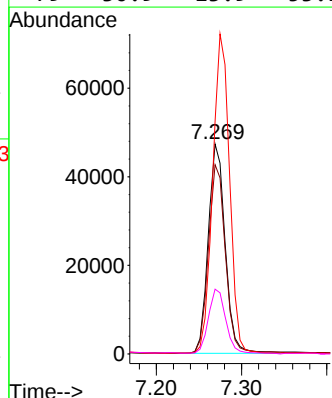
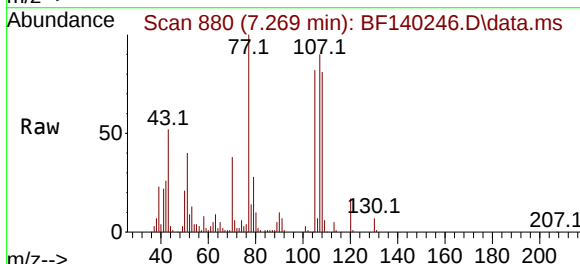
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

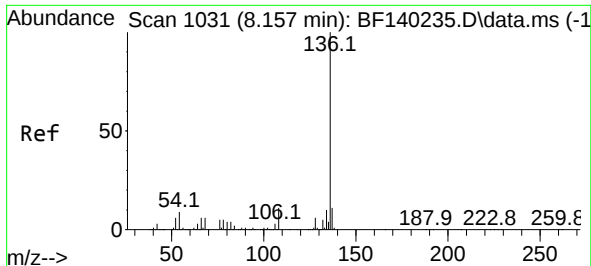
Tgt Ion:	70	Resp:	47524
Ion	Ratio	Lower	Upper
70	100		
42	66.9	52.8	79.2
101	10.3	7.4	11.2
130	21.0	15.1	22.7



#20
3+4-Methylphenols
Concen: 4.843 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

Tgt Ion:	107	Resp:	65032
Ion	Ratio	Lower	Upper
107	100		
108	90.2	69.4	109.4
77	110.7	92.7	132.7
79	30.9	13.9	53.9

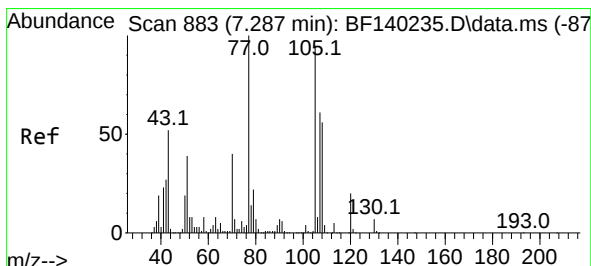
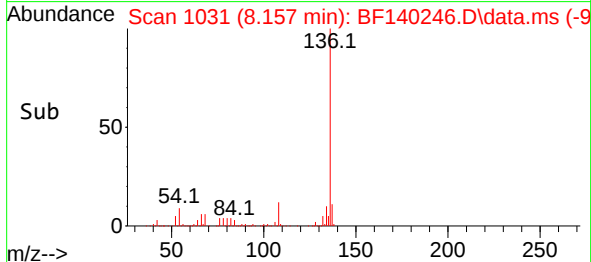
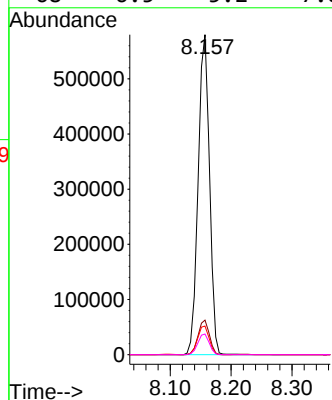
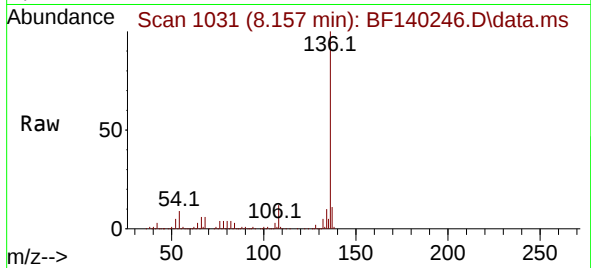




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

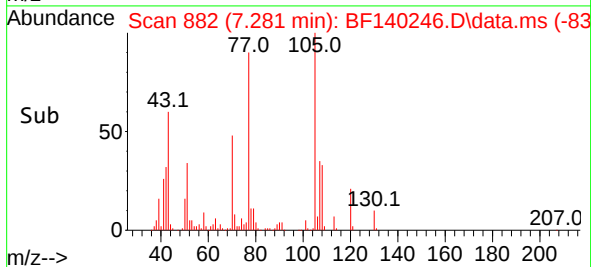
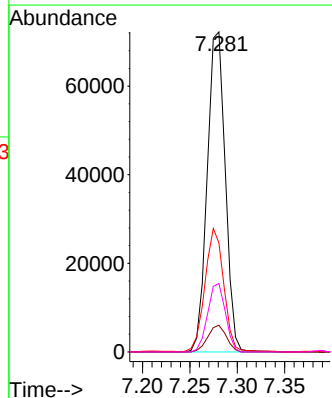
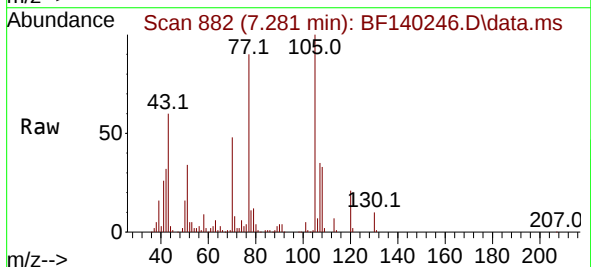
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

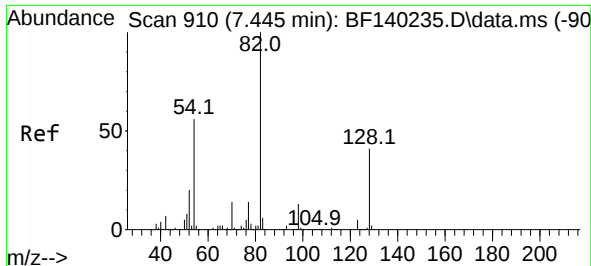
Tgt Ion:	136	Resp:	752181
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	9.0	7.7	11.5
68	6.5	5.2	7.8



#22
Acetophenone
Concen: 5.132 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

Tgt Ion:	105	Resp:	95711
Ion	Ratio	Lower	Upper
105	100		
71	8.4	5.6	8.4
51	34.1	33.2	49.8
120	21.4	16.8	25.2

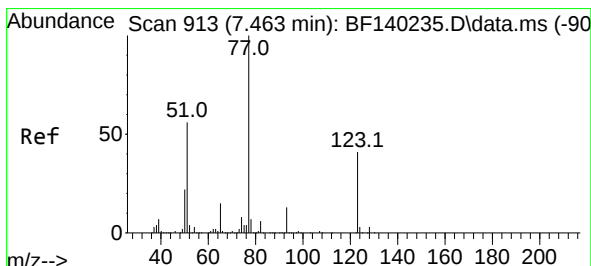
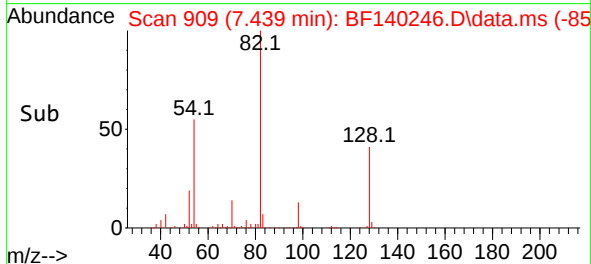
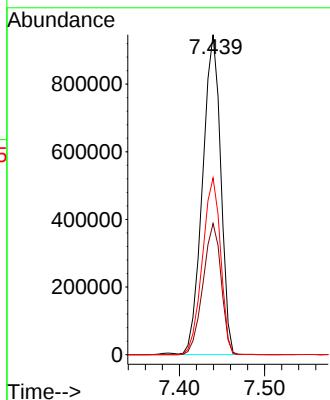
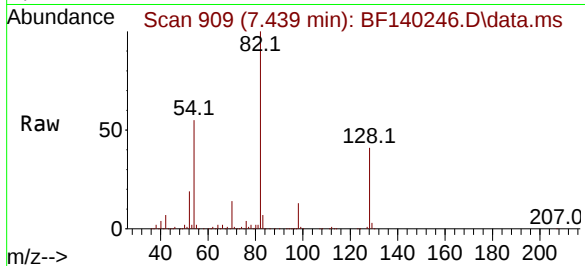




#23
Nitrobenzene-d5
Concen: 92.459 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

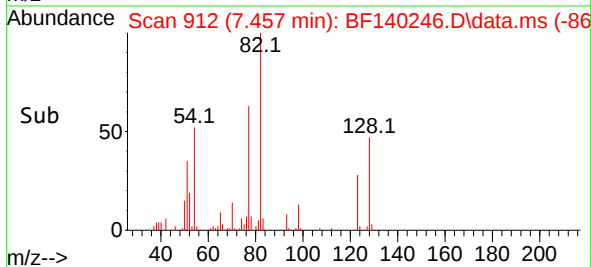
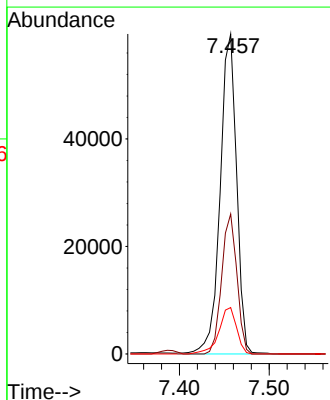
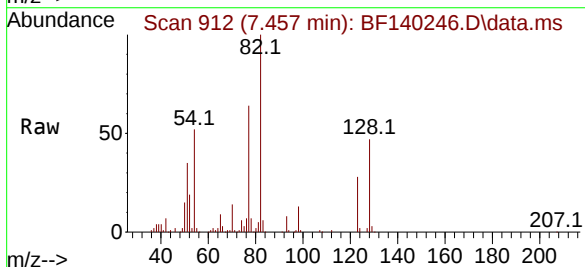
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

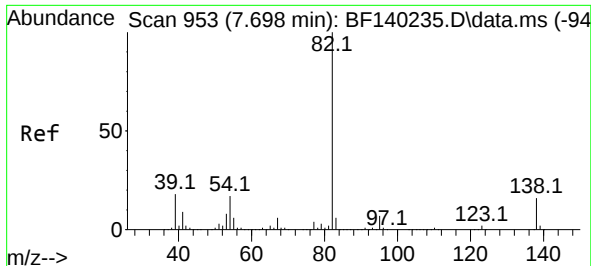
Tgt Ion: 82 Resp: 1398800
Ion Ratio Lower Upper
82 100
128 41.0 32.8 49.2
54 55.2 44.3 66.5



#24
Nitrobenzene
Concen: 4.773 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

Tgt Ion: 77 Resp: 75765
Ion Ratio Lower Upper
77 100
123 43.7 33.0 49.4
65 14.5 11.7 17.5

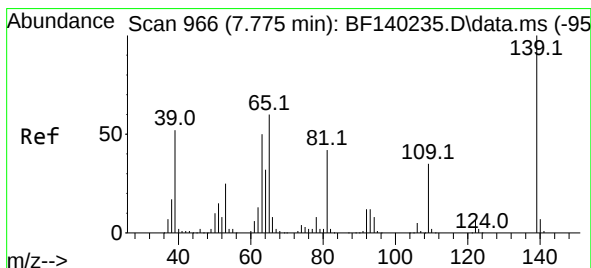
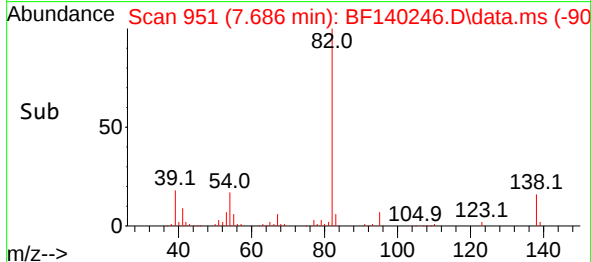
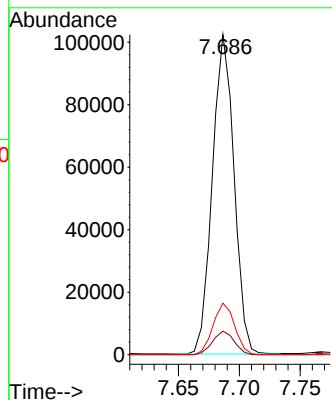
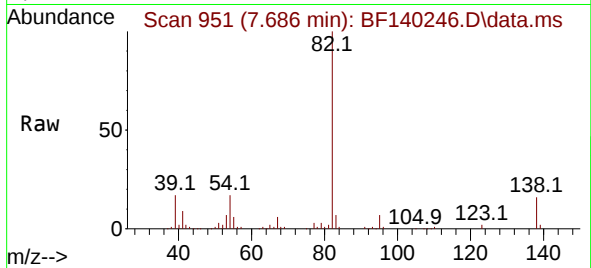




#25
Isophorone
Concen: 4.856 ng
RT: 7.686 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

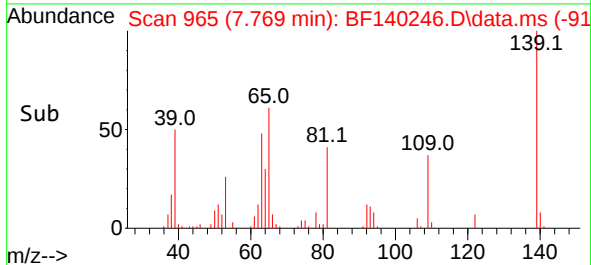
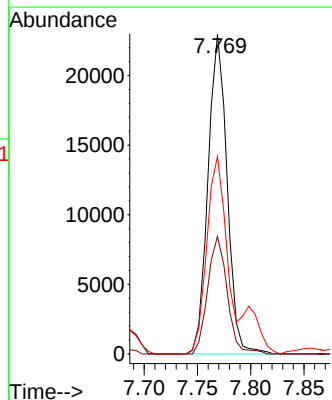
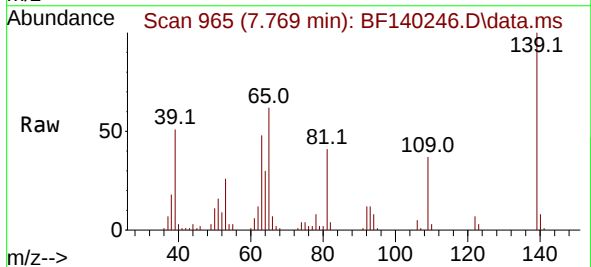
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

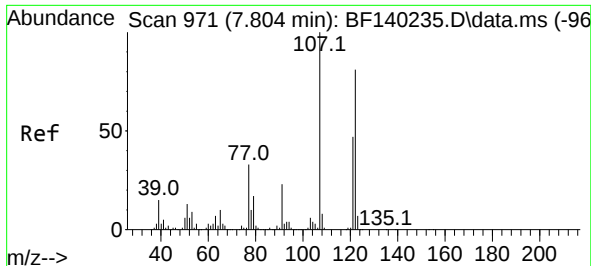
Tgt Ion: 82 Resp: 126511
Ion Ratio Lower Upper
82 100
95 7.3 6.0 9.0
138 16.1 12.9 19.3



#26
2-Nitrophenol
Concen: 4.545 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

Tgt Ion:139 Resp: 28699
Ion Ratio Lower Upper
139 100
109 36.8 27.8 41.8
65 61.7 48.2 72.2





#27

2,4-Dimethylphenol

Concen: 4.305 ng

RT: 7.798 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

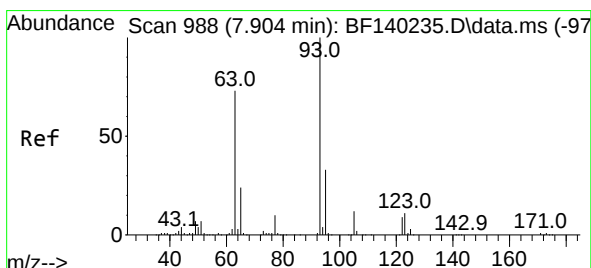
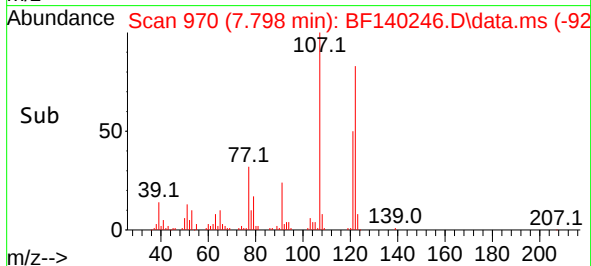
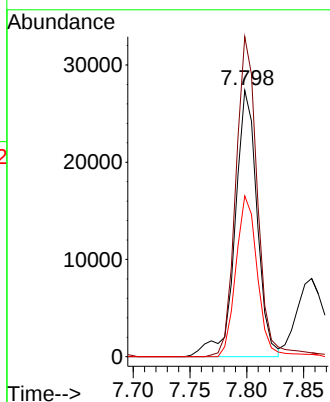
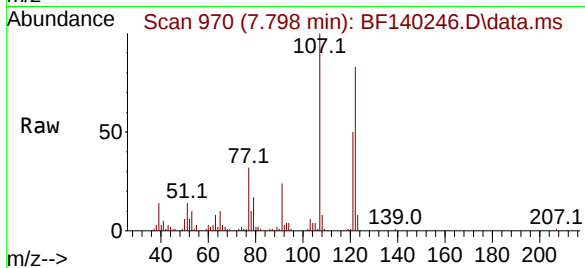
Tgt Ion:122 Resp: 36982

Ion Ratio Lower Upper

122 100

107 120.2 99.4 149.0

121 60.4 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 4.894 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.006 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

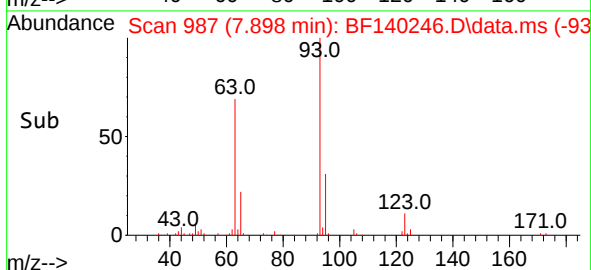
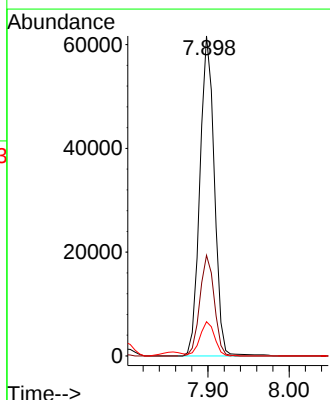
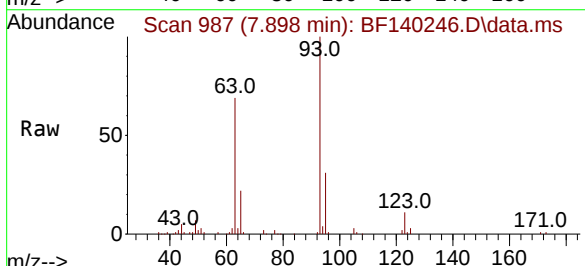
Tgt Ion: 93 Resp: 76287

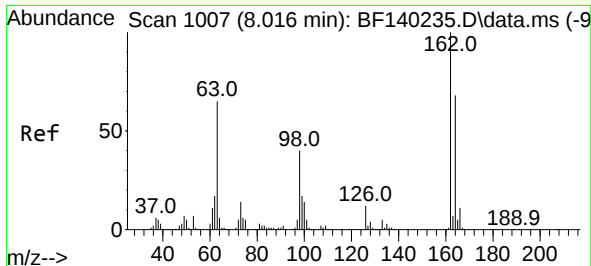
Ion Ratio Lower Upper

93 100

95 31.4 26.1 39.1

123 10.7 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 4.998 ng

RT: 8.004 min Scan# 1005

Delta R.T. -0.012 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

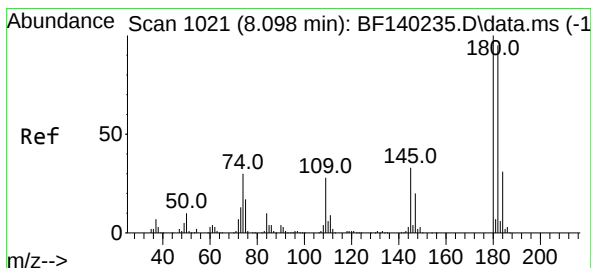
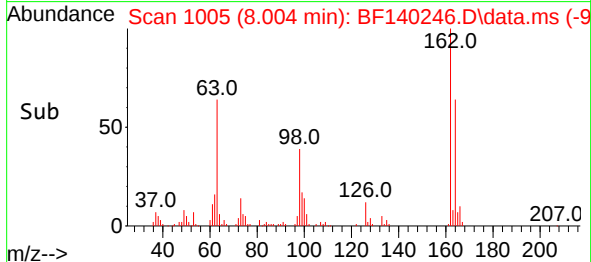
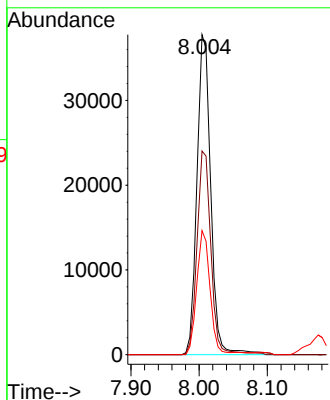
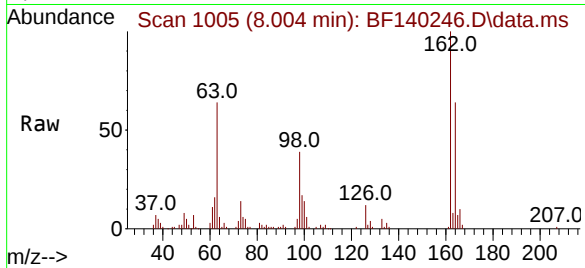
Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:162	Resp:	53113
Ion Ratio	Lower	Upper
162	100	
164	63.6	47.5 87.5
98	38.8	19.5 59.5



#30

1,2,4-Trichlorobenzene

Concen: 4.737 ng

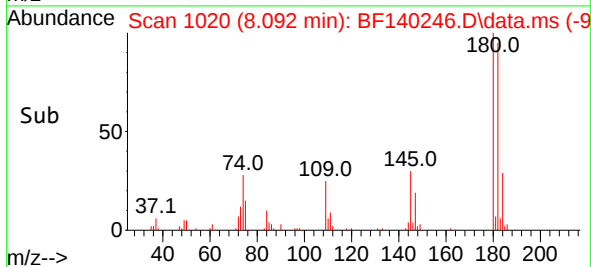
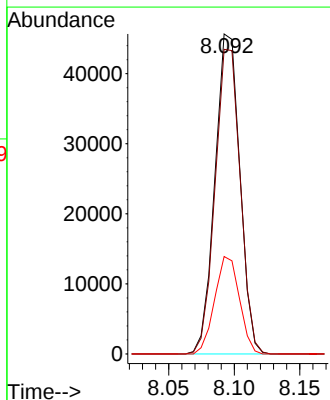
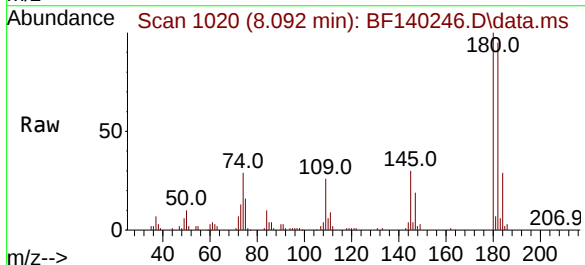
RT: 8.092 min Scan# 1020

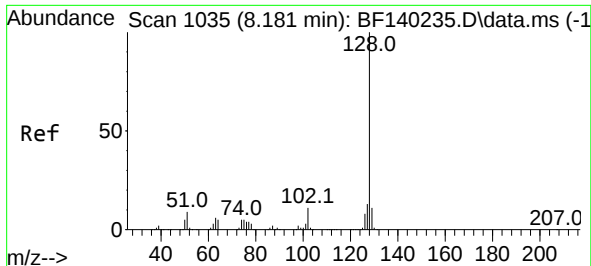
Delta R.T. -0.006 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Tgt Ion:180	Resp:	60329
Ion Ratio	Lower	Upper
180	100	
182	95.2	75.9 113.9
145	30.4	26.1 39.1

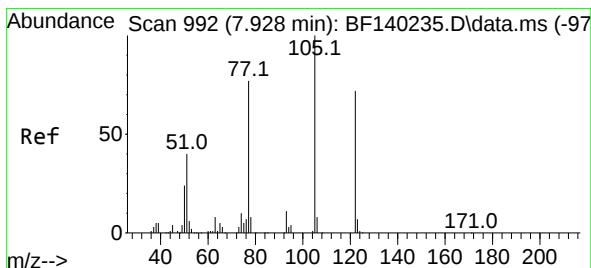
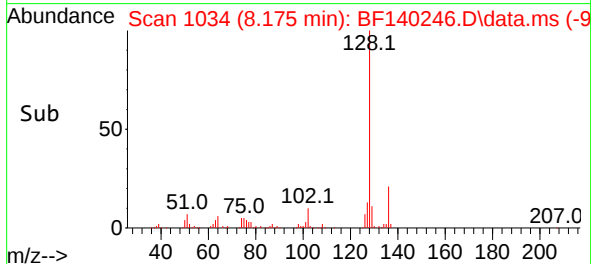
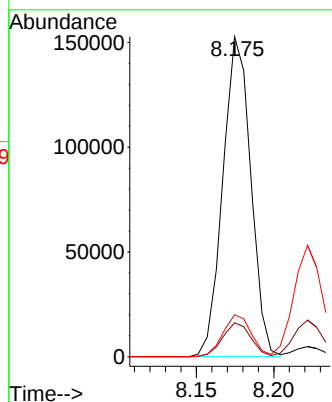
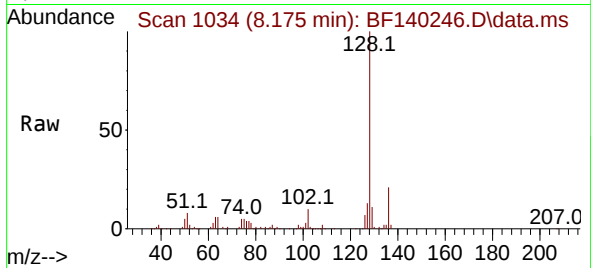




#31
Naphthalene
Concen: 4.928 ng
RT: 8.175 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

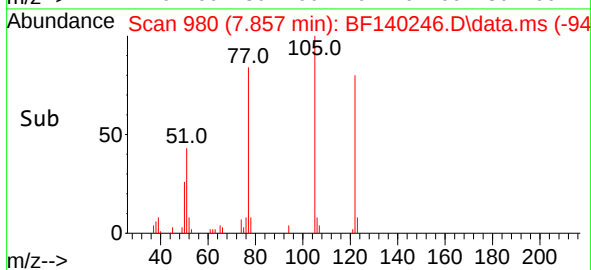
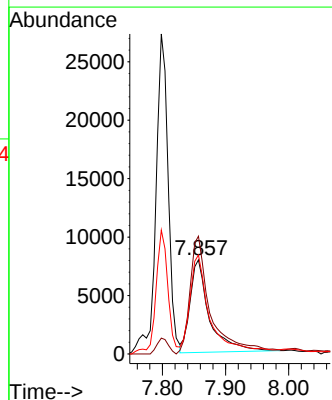
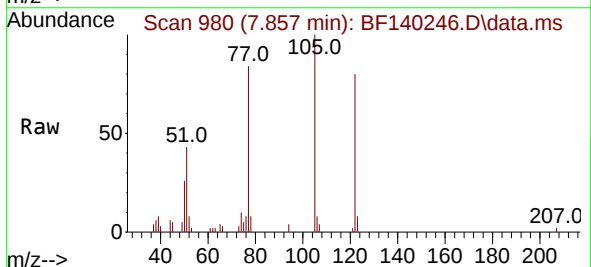
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

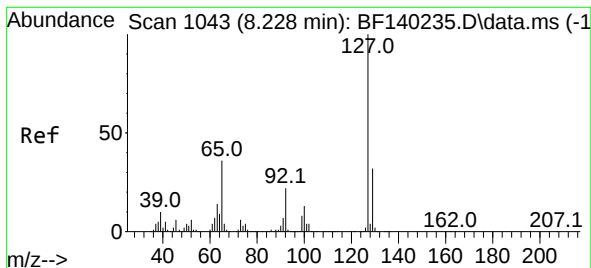
Tgt Ion:128 Resp: 191429
Ion Ratio Lower Upper
128 100
129 10.6 9.0 13.6
127 13.1 10.7 16.1



#32
Benzoic acid
Concen: 2.392 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.071 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

Tgt Ion:122 Resp: 16864
Ion Ratio Lower Upper
122 100
105 125.1 112.6 152.6
77 105.3 84.3 124.3





#33

4-Chloroaniline

Concen: 5.472 ng

RT: 8.222 min Scan# 1042

Delta R.T. -0.006 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:127 Resp: 69965

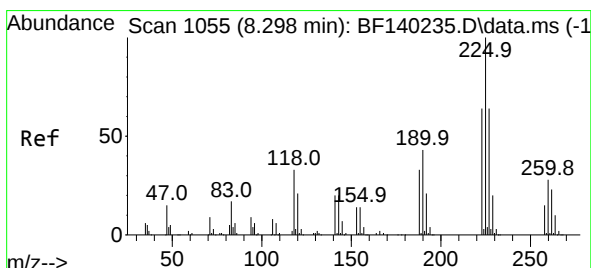
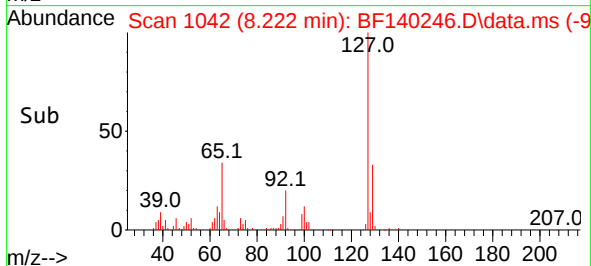
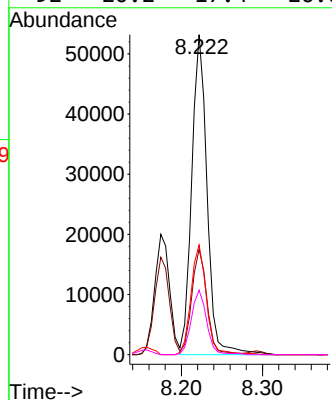
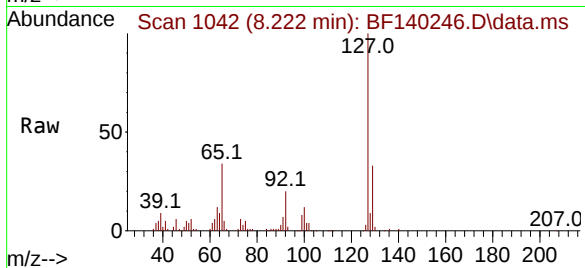
Ion Ratio Lower Upper

127 100

129 33.0 25.8 38.6

65 34.3 29.0 43.6

92 20.2 17.4 26.0



#34

Hexachlorobutadiene

Concen: 4.495 ng

RT: 8.292 min Scan# 1054

Delta R.T. -0.006 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

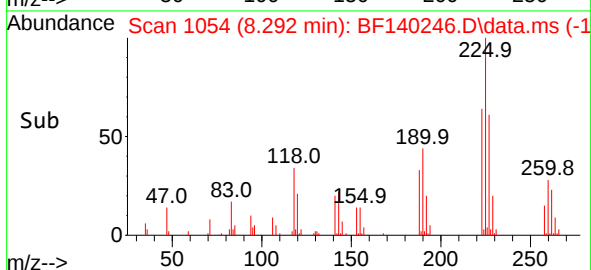
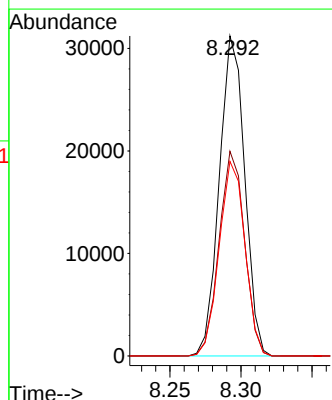
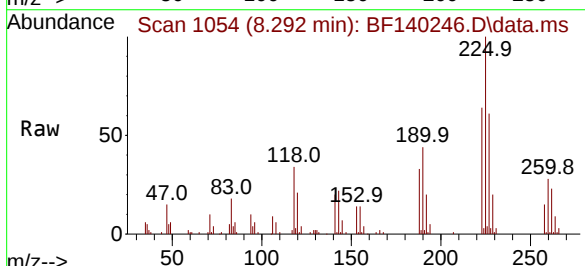
Tgt Ion:225 Resp: 38751

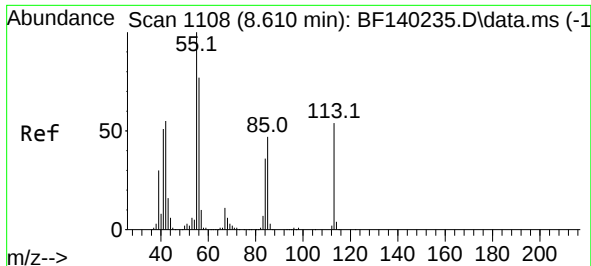
Ion Ratio Lower Upper

225 100

223 63.9 50.8 76.2

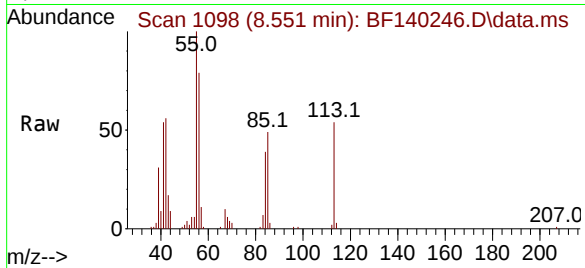
227 60.8 51.0 76.6



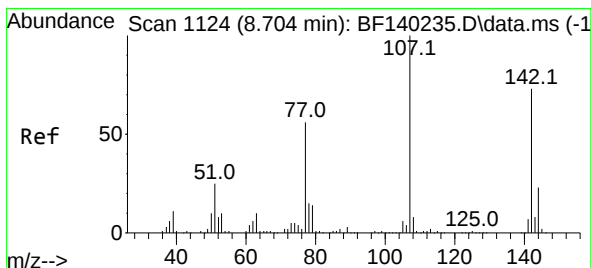
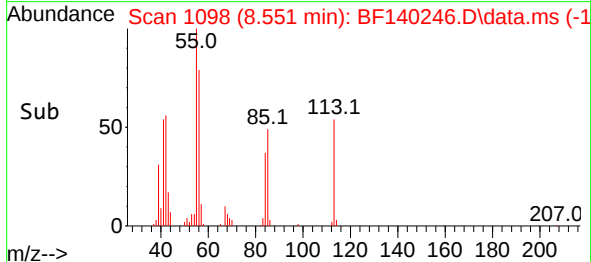
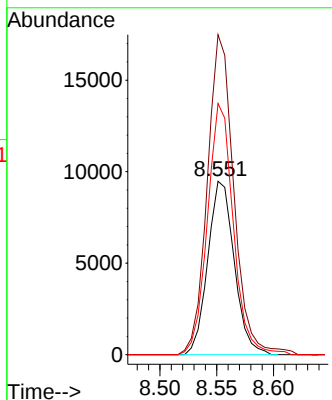


#35
Caprolactam
Concen: 4.749 ng
RT: 8.551 min Scan# 1108
Delta R.T. -0.059 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

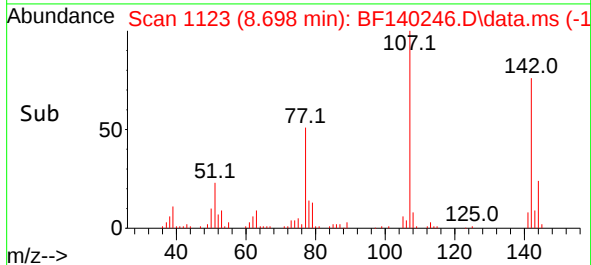
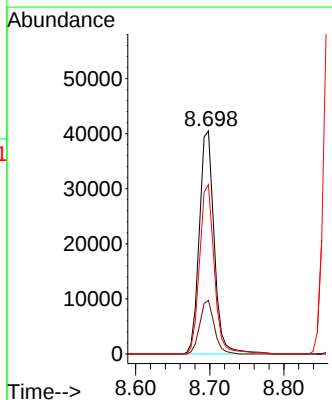
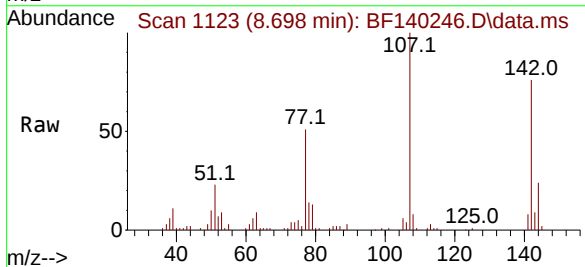


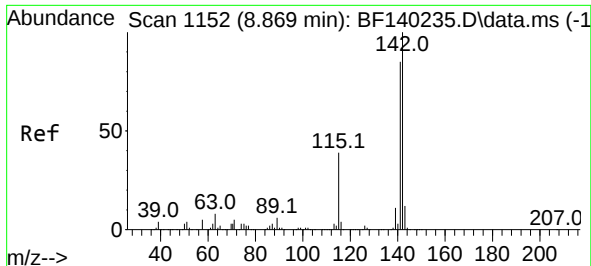
Tgt Ion:113 Resp: 15354
Ion Ratio Lower Upper
113 100
55 184.5 165.2 205.2
56 144.9 122.1 162.1



#36
4-Chloro-3-methylphenol
Concen: 4.792 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

Tgt Ion:107 Resp: 56698
Ion Ratio Lower Upper
107 100
144 24.0 18.6 27.8
142 76.0 58.1 87.1





#37

2-Methylnaphthalene

Concen: 5.029 ng

RT: 8.869 min Scan# 1152

Delta R.T. -0.000 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Instrument :

BNA_F

ClientSampleId :

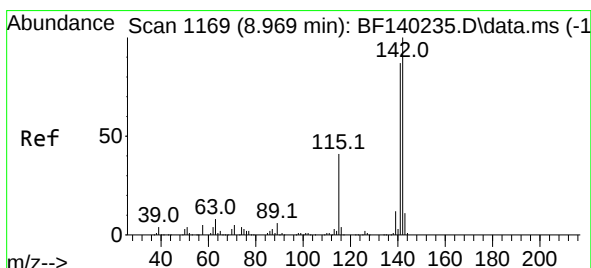
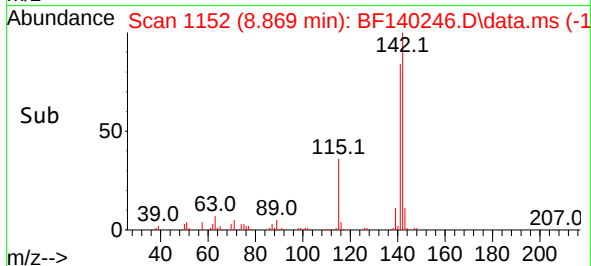
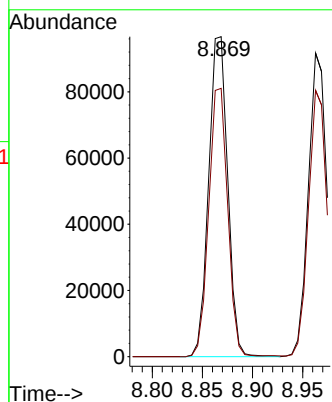
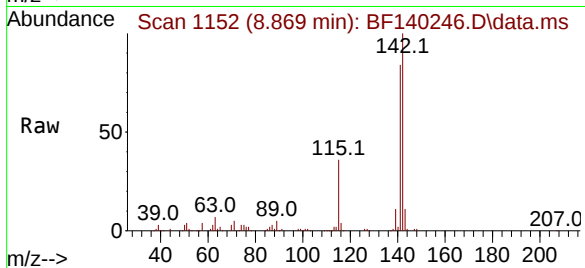
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:142 Resp: 127489

Ion Ratio Lower Upper

142 100

141 83.8 67.8 101.8



#38

1-Methylnaphthalene

Concen: 4.711 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF140246.D

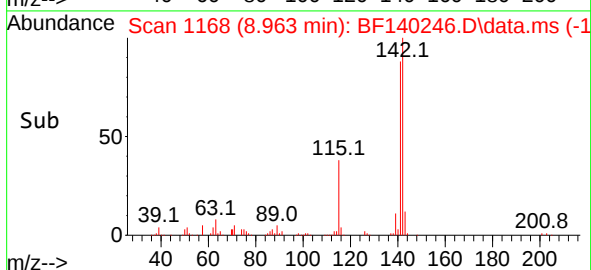
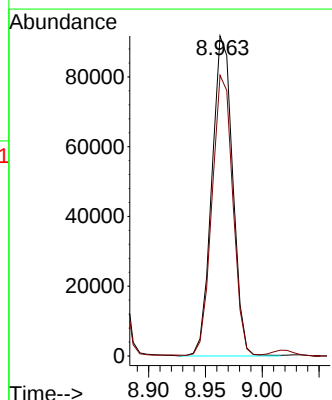
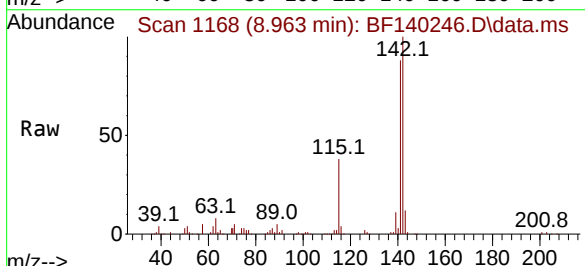
Acq: 05 Nov 2024 19:15

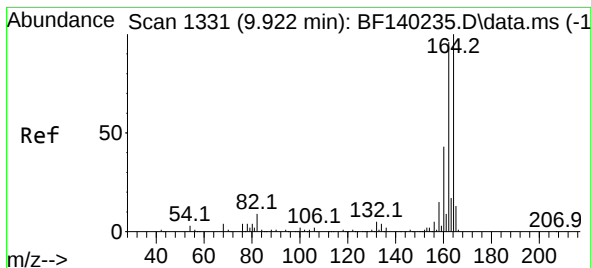
Tgt Ion:142 Resp: 117059

Ion Ratio Lower Upper

142 100

141 87.7 69.7 104.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

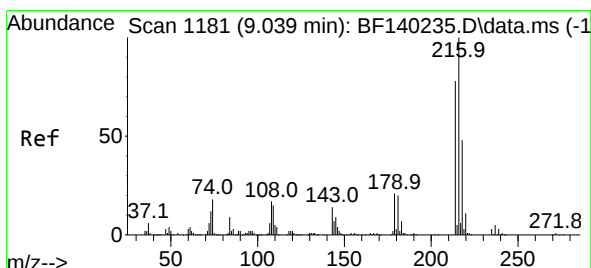
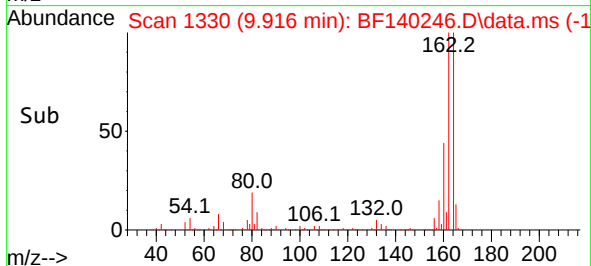
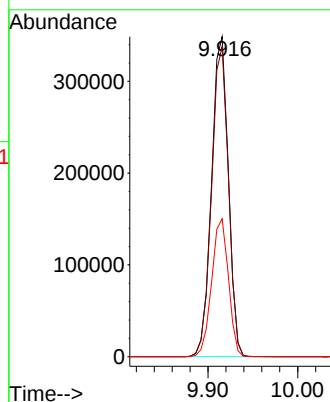
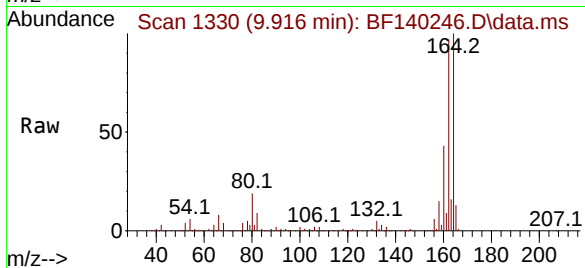
Tgt Ion:164 Resp: 453027

Ion Ratio Lower Upper

164 100

162 96.9 77.0 115.4

160 43.1 34.1 51.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.799 ng

RT: 9.033 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Tgt Ion:216 Resp: 63649

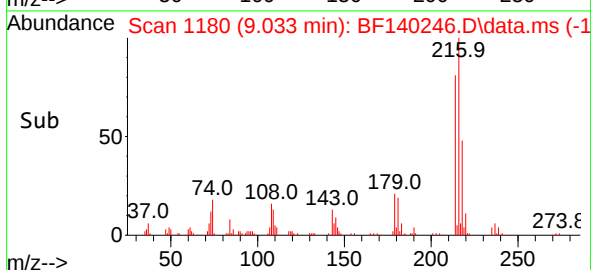
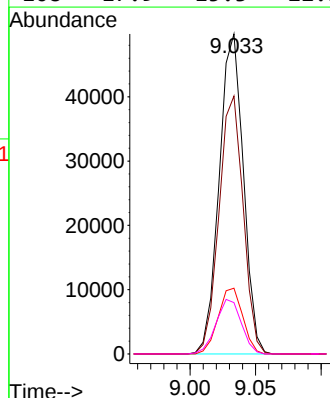
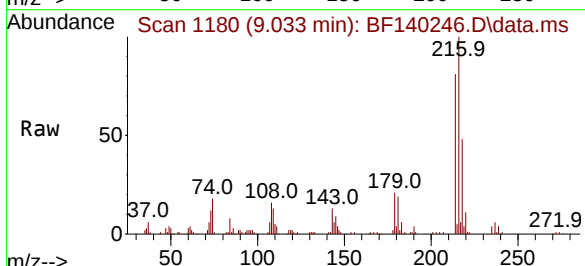
Ion Ratio Lower Upper

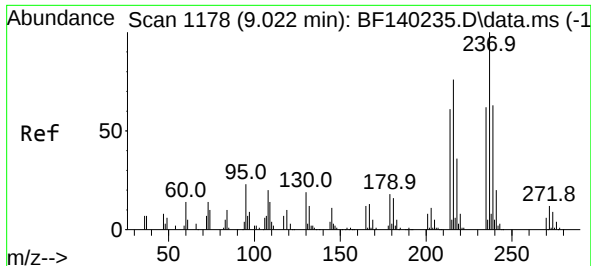
216 100

214 80.6 62.8 94.2

179 21.0 17.3 25.9

108 17.9 15.3 22.9

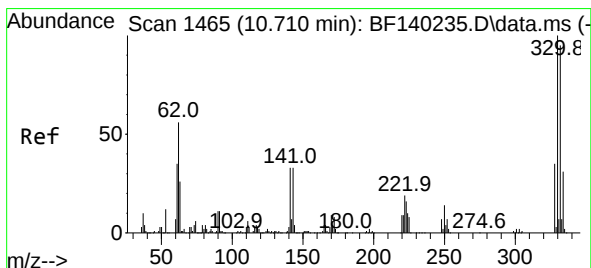
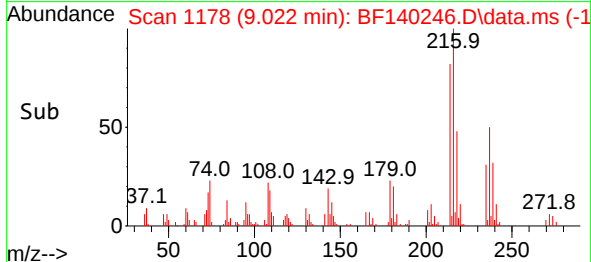
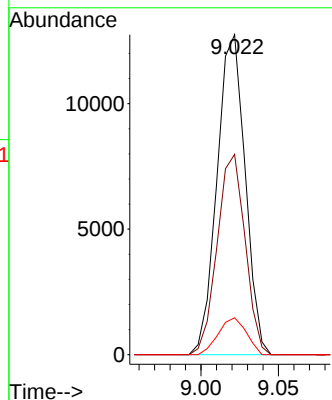
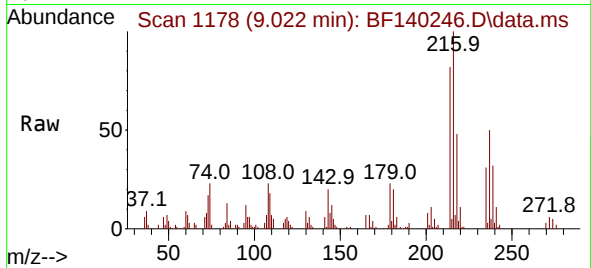




#41
Hexachlorocyclopentadiene
Concen: 4.330 ng
RT: 9.022 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

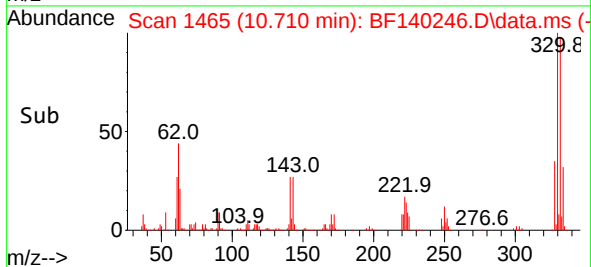
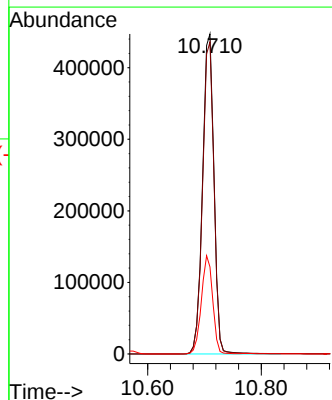
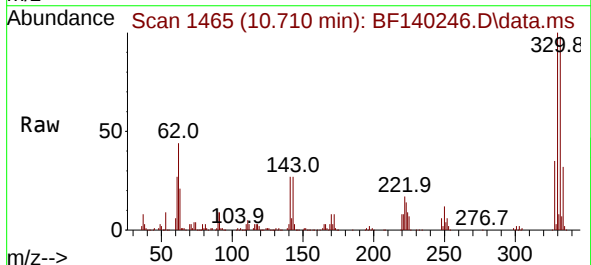
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

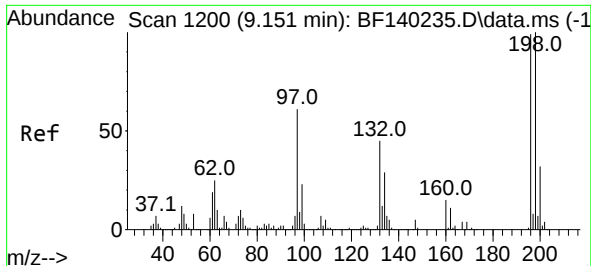
Tgt Ion:237 Resp: 16092
Ion Ratio Lower Upper
237 100
235 62.6 41.8 81.8
272 11.6 0.0 31.8



#42
2,4,6-Tribromophenol
Concen: 139.220 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

Tgt Ion:330 Resp: 623416
Ion Ratio Lower Upper
330 100
332 97.3 76.4 114.6
141 30.5 27.0 40.4





#43

2,4,6-Trichlorophenol

Concen: 4.482 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

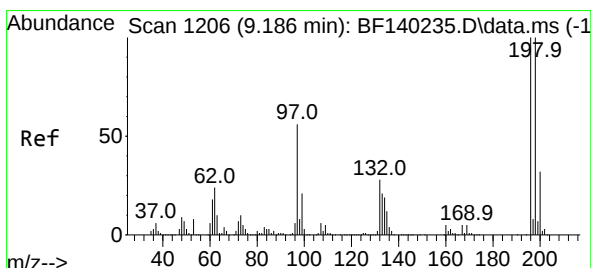
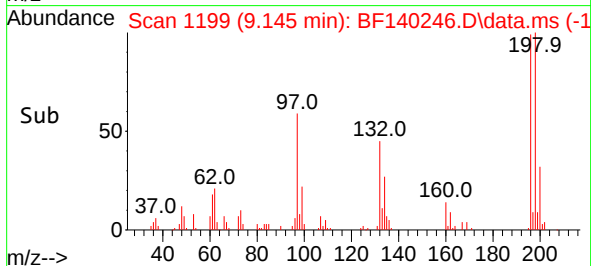
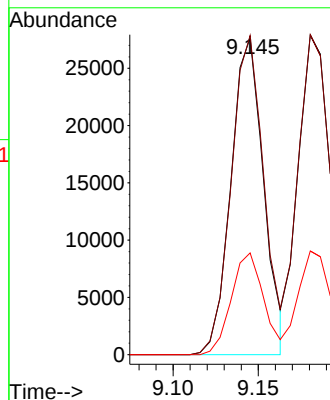
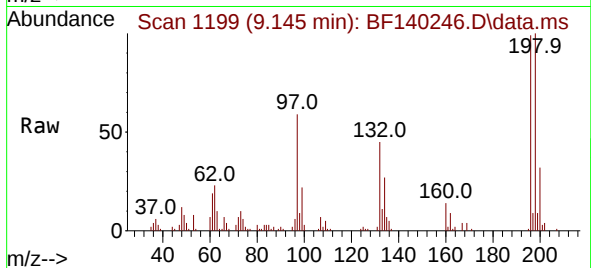
Tgt Ion:196 Resp: 36838

Ion Ratio Lower Upper

196 100

198 100.7 80.8 121.2

200 32.1 26.0 39.0



#44

2,4,5-Trichlorophenol

Concen: 4.509 ng

RT: 9.180 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Tgt Ion:196 Resp: 38968

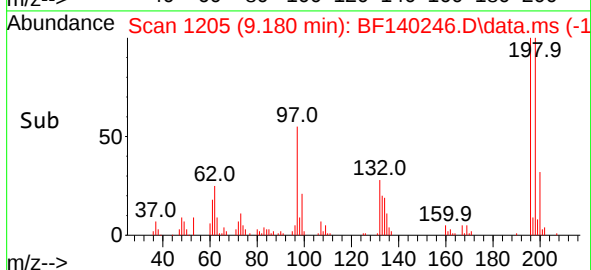
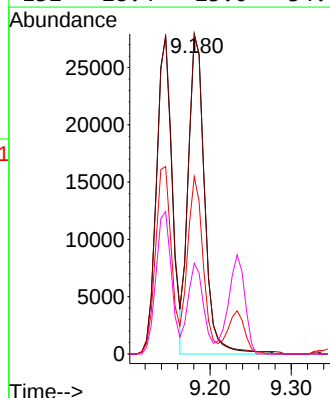
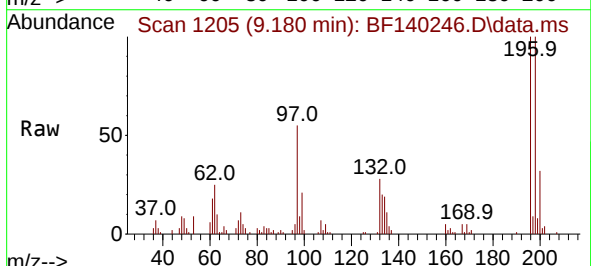
Ion Ratio Lower Upper

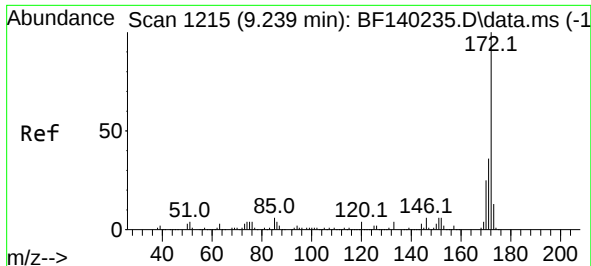
196 100

198 100.2 80.0 120.0

97 55.5 45.7 68.5

132 28.4 23.0 34.6

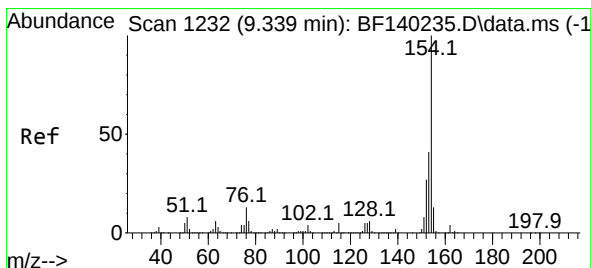
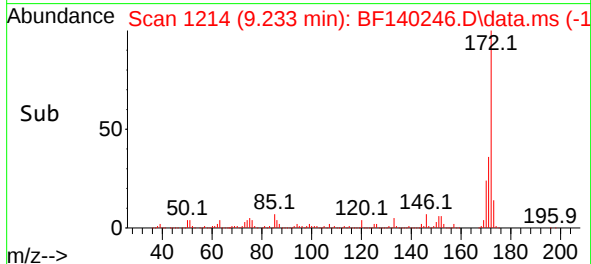
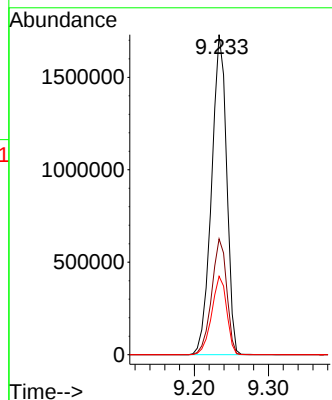
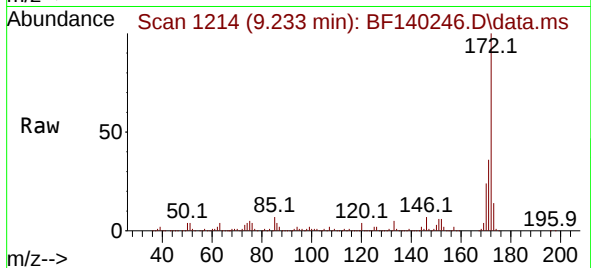




#45
2-Fluorobiphenyl
Concen: 86.337 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

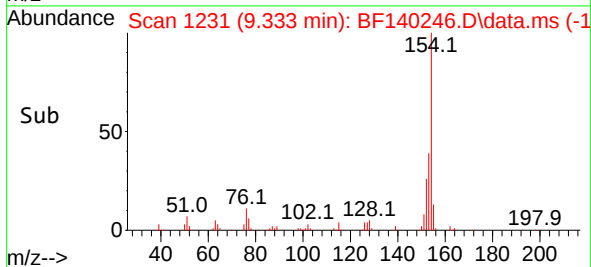
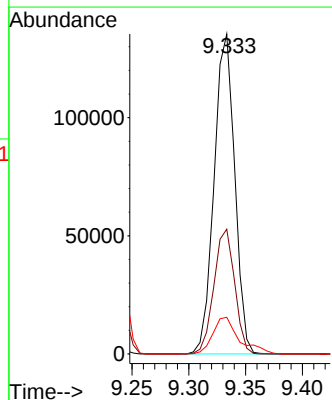
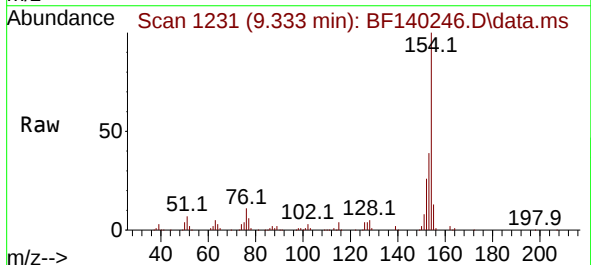
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

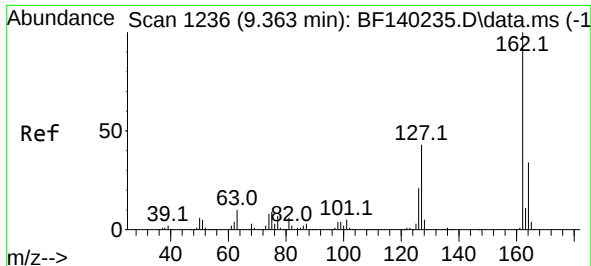
Tgt Ion:172 Resp: 2449449
Ion Ratio Lower Upper
172 100
171 36.2 28.8 43.2
170 24.5 19.6 29.4



#46
1,1'-Biphenyl
Concen: 5.219 ng
RT: 9.333 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

Tgt Ion:154 Resp: 170886
Ion Ratio Lower Upper
154 100
153 39.0 20.8 60.8
76 11.4 0.0 32.6





#47

2-Chloronaphthalene

Concen: 4.765 ng

RT: 9.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

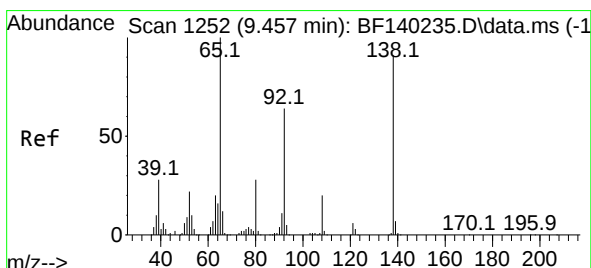
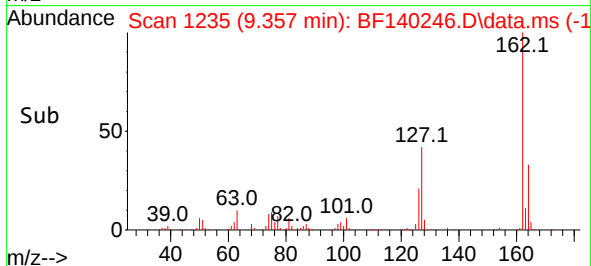
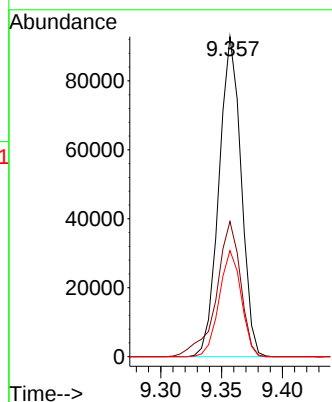
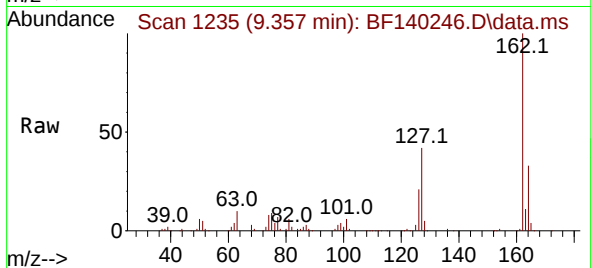
Tgt Ion:162 Resp: 117439

Ion Ratio Lower Upper

162 100

127 42.2 34.8 52.2

164 33.1 27.3 40.9



#48

2-Nitroaniline

Concen: 4.475 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

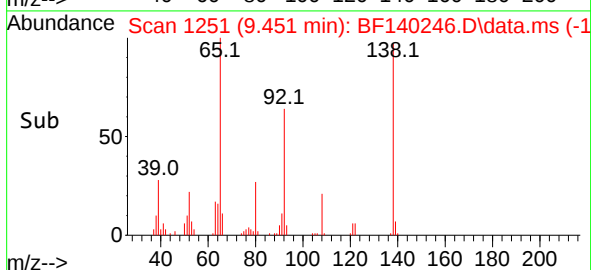
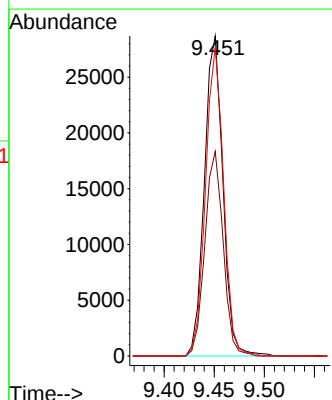
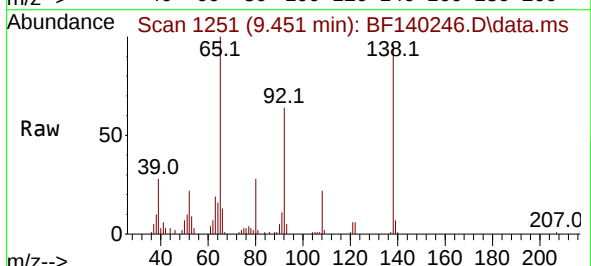
Tgt Ion: 65 Resp: 36886

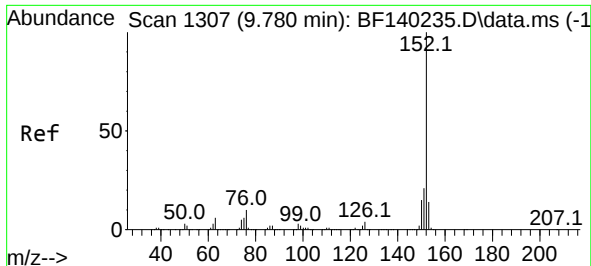
Ion Ratio Lower Upper

65 100

92 63.9 51.6 77.4

138 96.4 73.0 109.6





#49

Acenaphthylene

Concen: 5.356 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.005 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

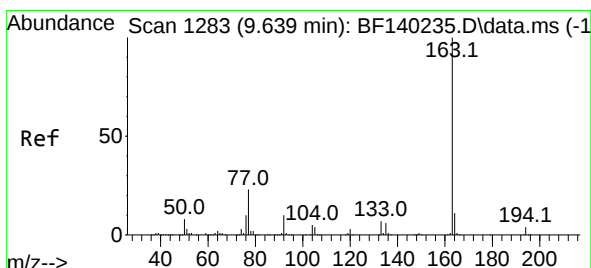
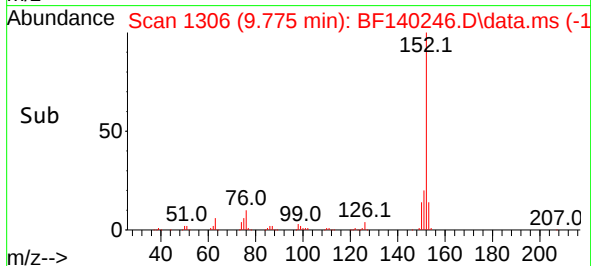
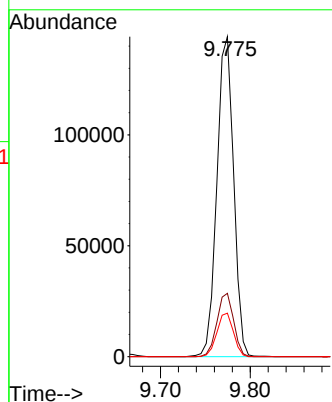
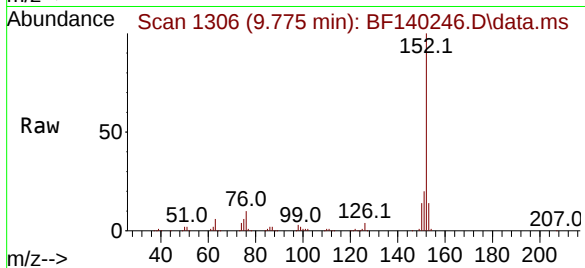
Tgt Ion:152 Resp: 186879

Ion Ratio Lower Upper

152 100

151 19.8 16.4 24.6

153 13.6 11.1 16.7



#50

Dimethylphthalate

Concen: 4.962 ng

RT: 9.627 min Scan# 1281

Delta R.T. -0.012 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

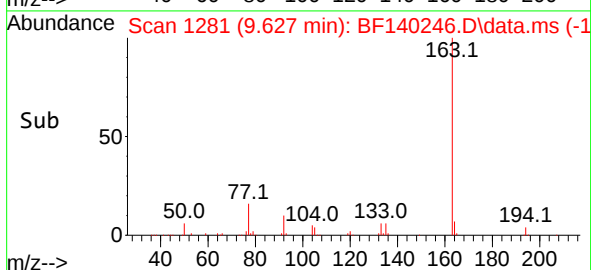
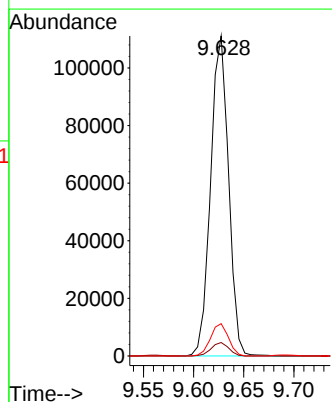
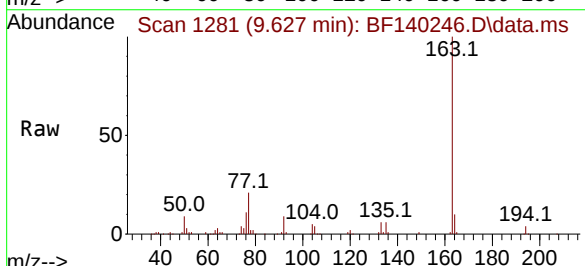
Tgt Ion:163 Resp: 138438

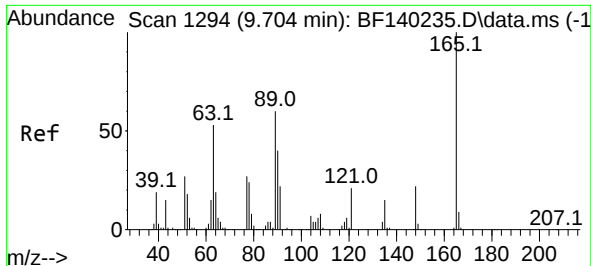
Ion Ratio Lower Upper

163 100

194 4.2 3.2 4.8

164 10.1 8.6 13.0

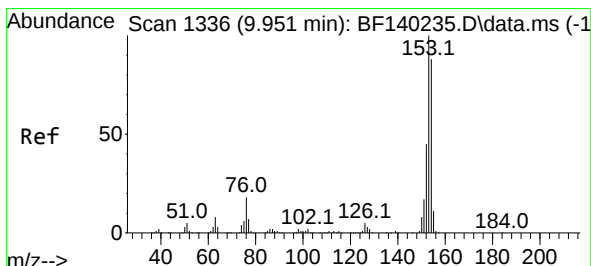
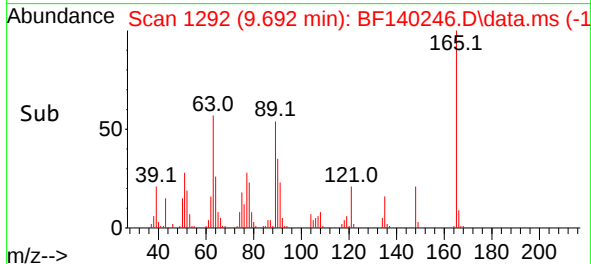
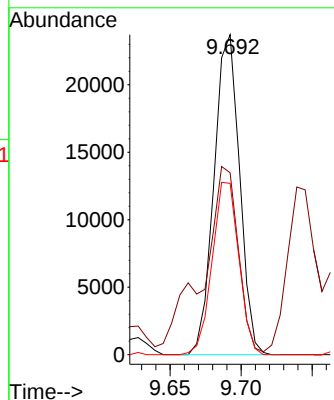
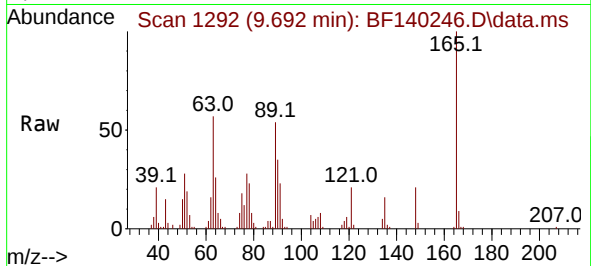




#51
2,6-Dinitrotoluene
Concen: 4.523 ng
RT: 9.692 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

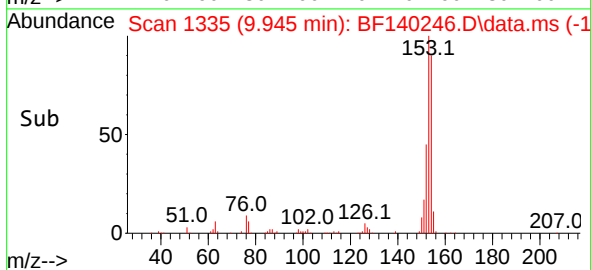
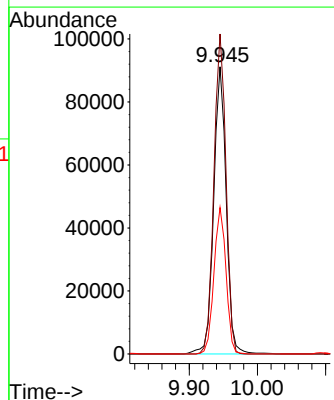
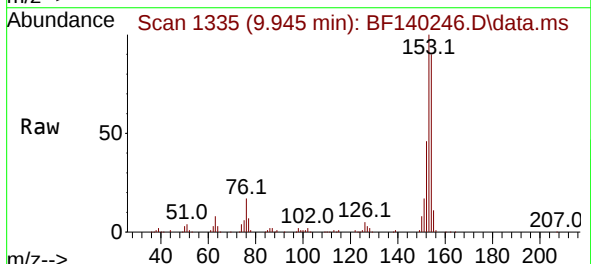
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

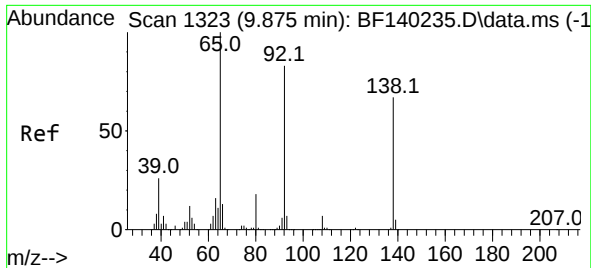
Tgt Ion:165 Resp: 29662
Ion Ratio Lower Upper
165 100
63 56.9 48.8 73.2
89 53.6 48.1 72.1



#52
Acenaphthene
Concen: 4.709 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

Tgt Ion:154 Resp: 116532
Ion Ratio Lower Upper
154 100
153 111.4 91.3 136.9
152 51.0 41.4 62.2

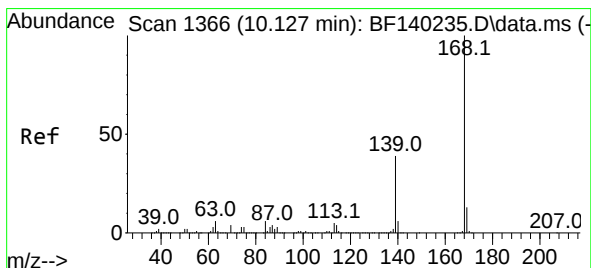
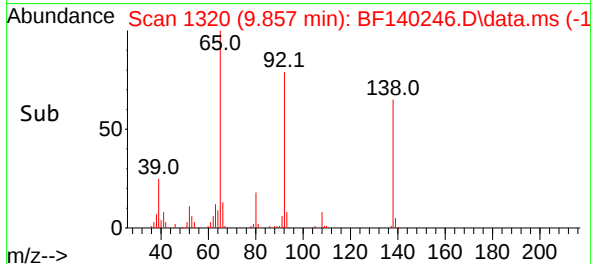
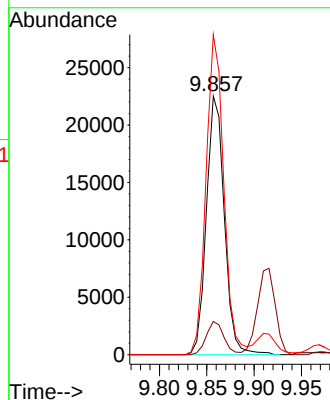
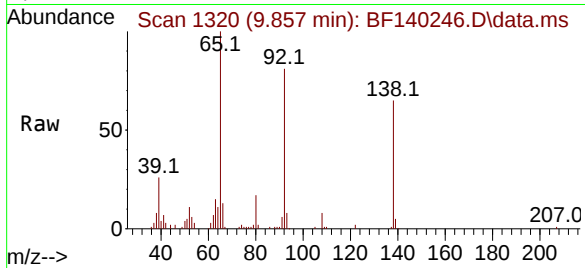




#53
3-Nitroaniline
Concen: 4.817 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

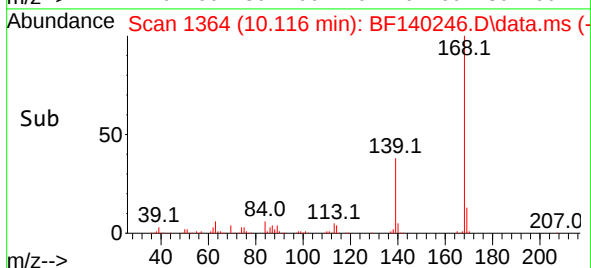
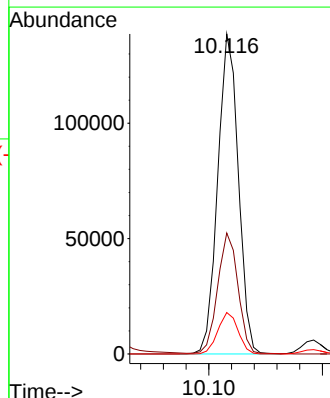
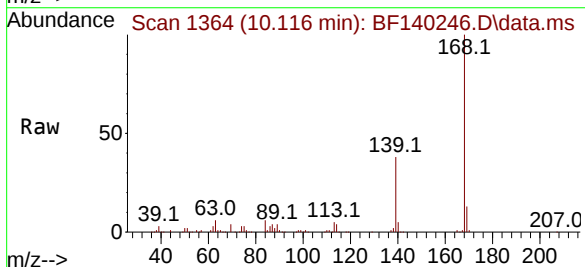
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

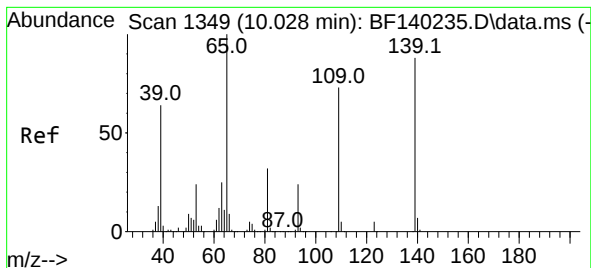
Tgt Ion:138 Resp: 29748
Ion Ratio Lower Upper
138 100
108 12.9 8.8 13.2
92 123.7 100.0 150.0



#55
Dibenzofuran
Concen: 5.049 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.011 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

Tgt Ion:168 Resp: 174737
Ion Ratio Lower Upper
168 100
139 37.8 31.5 47.3
169 12.9 10.6 15.8





#56

4-Nitrophenol

Concen: 3.645 ng

RT: 10.016 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

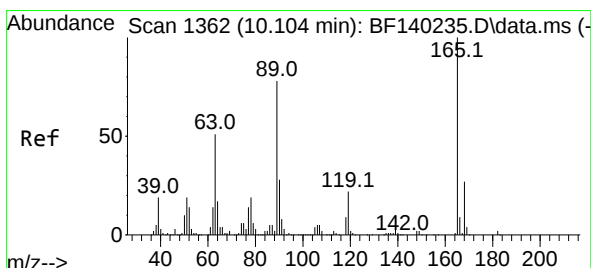
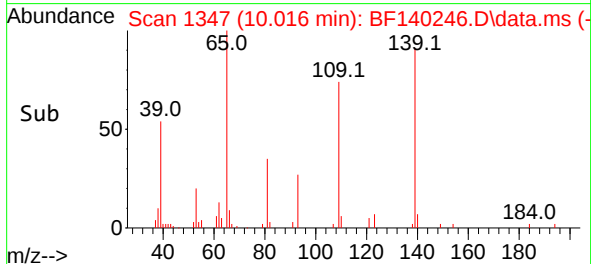
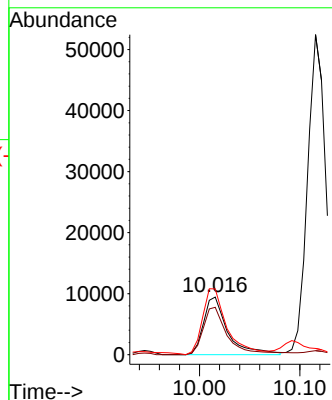
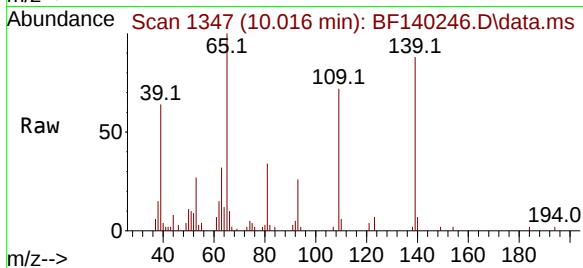
Tgt Ion:139 Resp: 15825

Ion Ratio Lower Upper

139 100

109 82.1 63.8 103.8

65 114.2 94.7 134.7



#57

2,4-Dinitrotoluene

Concen: 4.430 ng

RT: 10.092 min Scan# 1360

Delta R.T. -0.012 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Tgt Ion:165 Resp: 37702

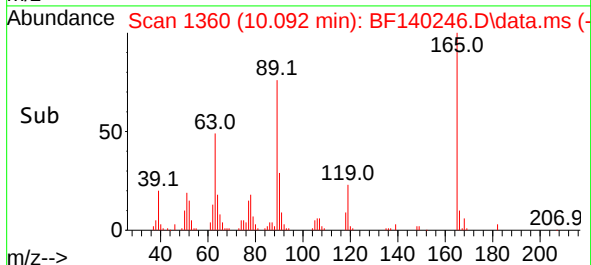
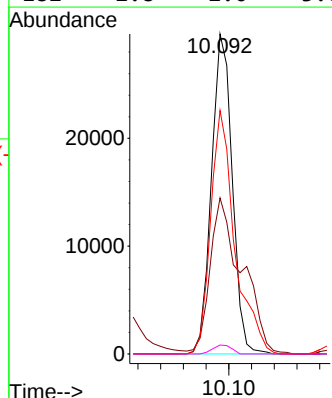
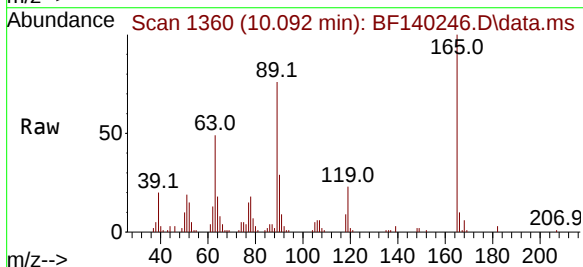
Ion Ratio Lower Upper

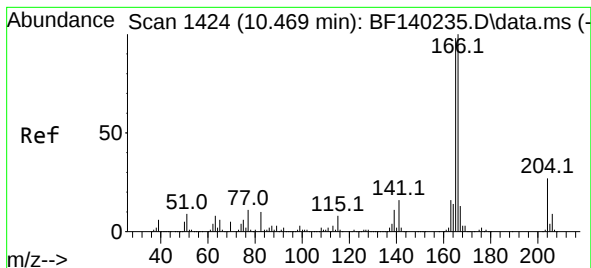
165 100

63 48.8 41.3 61.9

89 76.1 62.6 94.0

182 2.8 2.0 3.0





#58

Fluorene

Concen: 5.040 ng

RT: 10.463 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

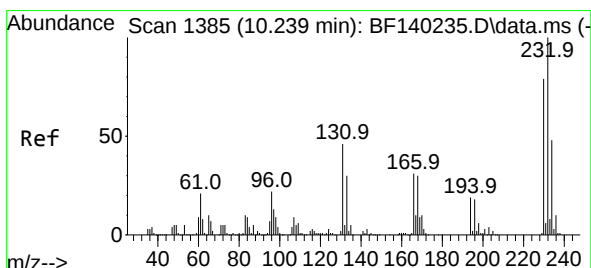
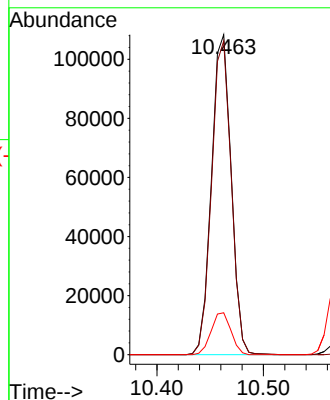
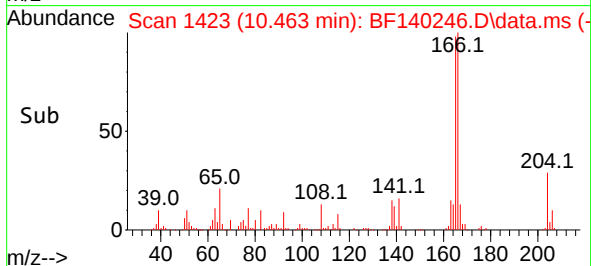
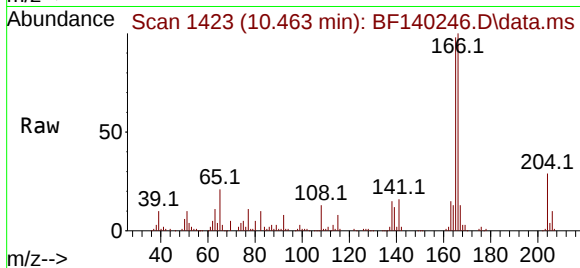
Tgt Ion:166 Resp: 138839

Ion Ratio Lower Upper

166 100

165 98.0 78.7 118.1

167 13.1 10.8 16.2



#59

2,3,4,6-Tetrachlorophenol

Concen: 4.676 ng

RT: 10.233 min Scan# 1384

Delta R.T. -0.006 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Tgt Ion:232 Resp: 33104

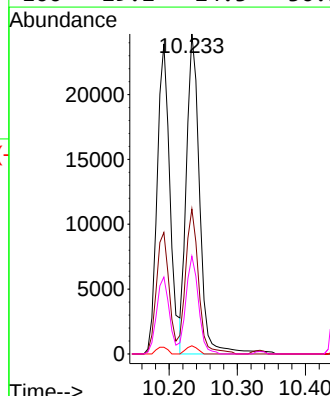
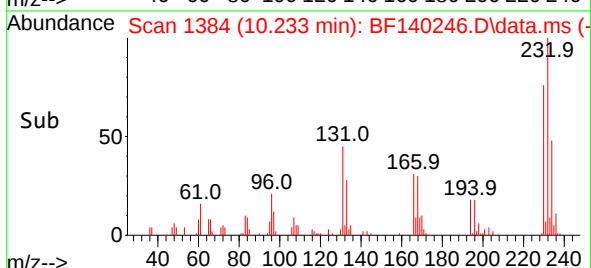
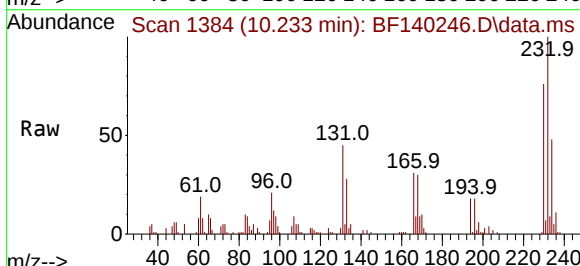
Ion Ratio Lower Upper

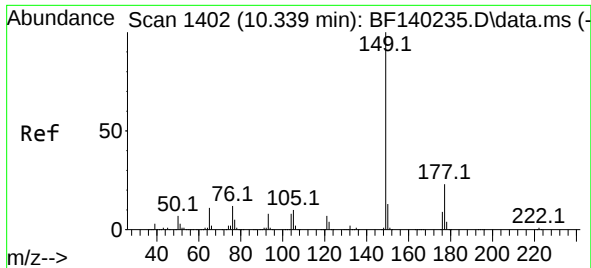
232 100

131 45.0 37.2 55.8

130 2.2 1.8 2.8

166 29.2 24.3 36.5

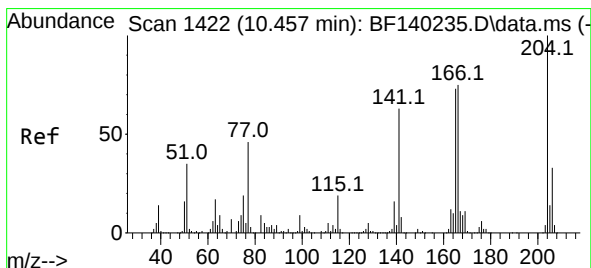
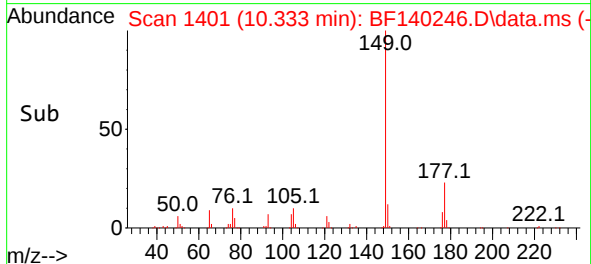
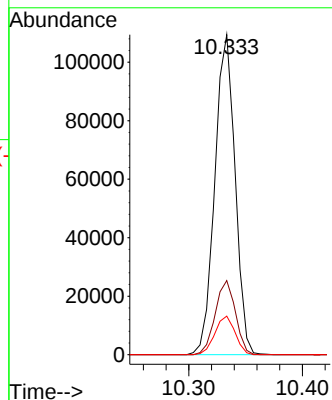
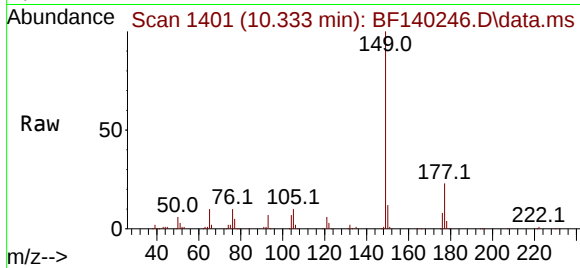




#60
Diethylphthalate
Concen: 4.893 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

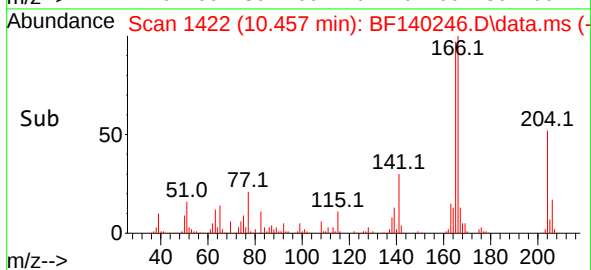
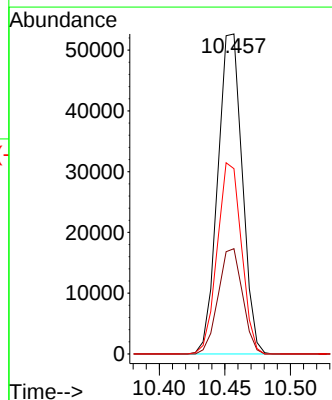
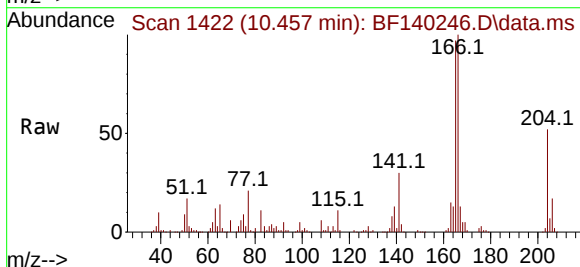
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

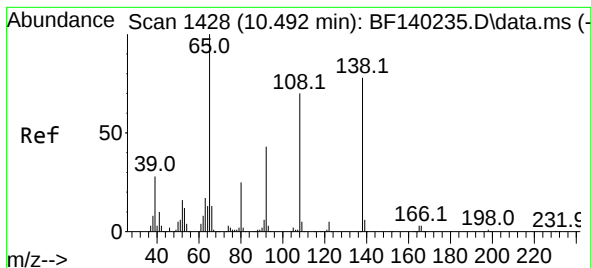
Tgt Ion:149 Resp: 135670
Ion Ratio Lower Upper
149 100
177 23.2 18.1 27.1
150 12.0 10.2 15.4



#61
4-Chlorophenyl-phenylether
Concen: 4.923 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

Tgt Ion:204 Resp: 68355
Ion Ratio Lower Upper
204 100
206 32.9 26.2 39.4
141 57.9 50.3 75.5





#62

4-Nitroaniline

Concen: 4.594 ng

RT: 10.469 min Scan# 1424

Delta R.T. -0.024 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

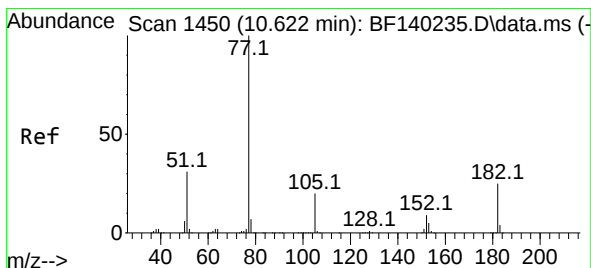
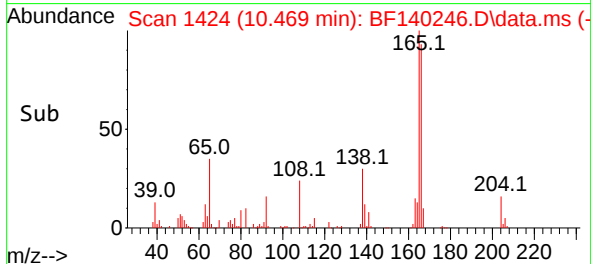
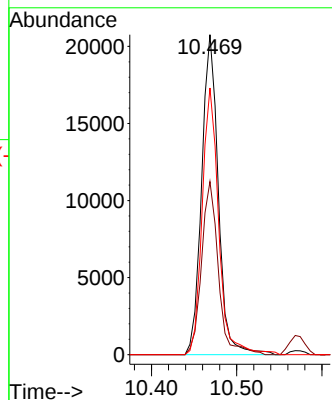
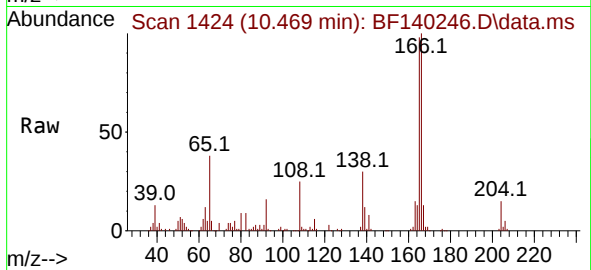
Tgt Ion:138 Resp: 28193

Ion Ratio Lower Upper

138 100

92 54.1 35.3 75.3

108 83.4 70.1 110.1



#63

Azobenzene

Concen: 4.906 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Tgt Ion: 77 Resp: 141001

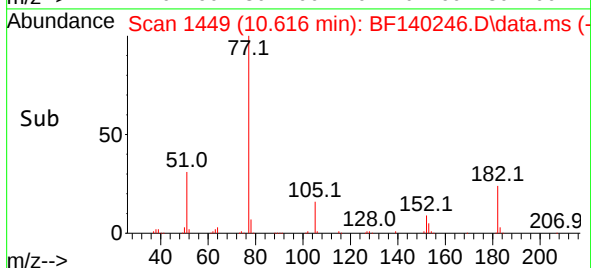
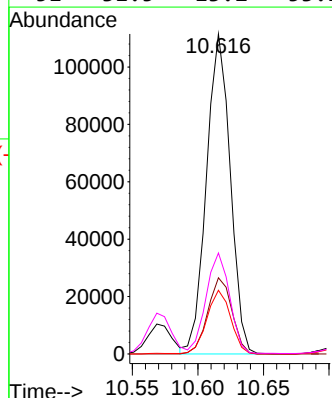
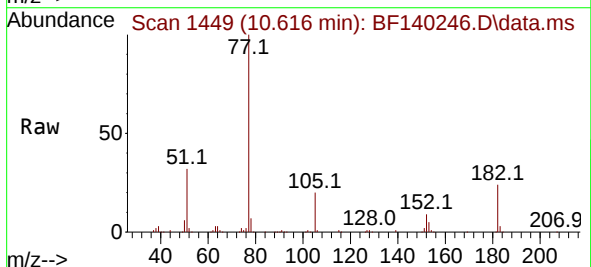
Ion Ratio Lower Upper

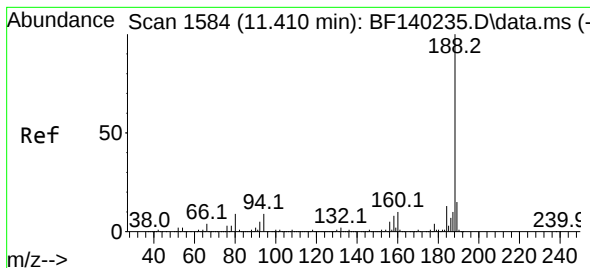
77 100

182 23.8 4.7 44.7

105 19.9 0.0 40.0

51 31.5 13.2 53.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

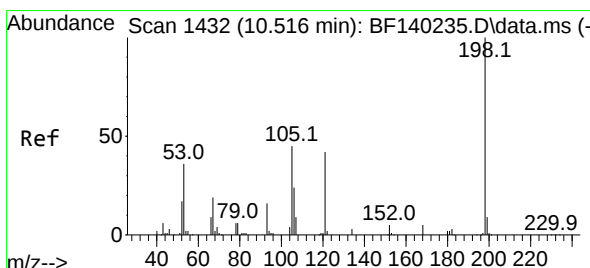
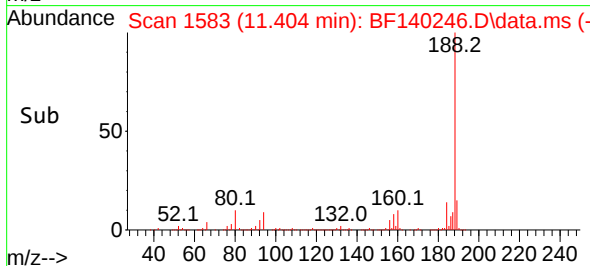
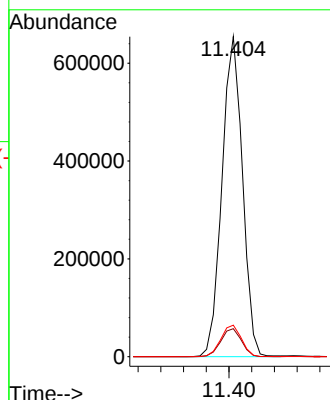
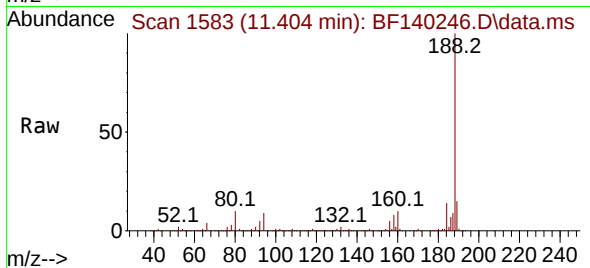
Tgt Ion:188 Resp: 820433

Ion Ratio Lower Upper

188 100

94 8.8 6.9 10.3

80 9.8 7.5 11.3



#65

4,6-Dinitro-2-methylphenol

Concen: 2.604 ng

RT: 10.504 min Scan# 1430

Delta R.T. -0.012 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

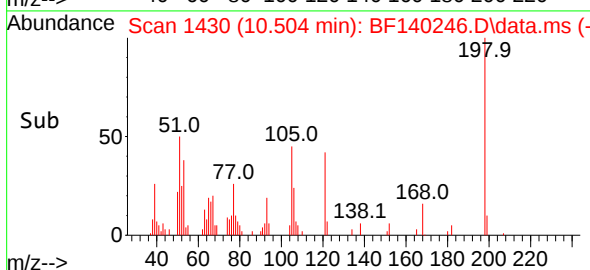
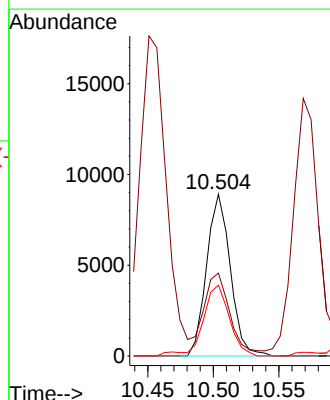
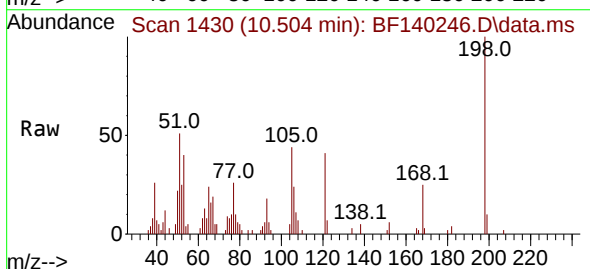
Tgt Ion:198 Resp: 11220

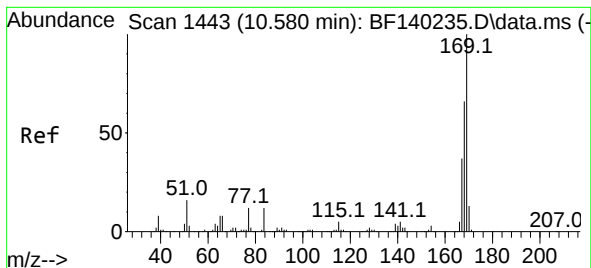
Ion Ratio Lower Upper

198 100

51 51.3 34.0 74.0

105 43.8 25.1 65.1





#66

n-Nitrosodiphenylamine

Concen: 4.890 ng

RT: 10.575 min Scan# 1442

Delta R.T. -0.006 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

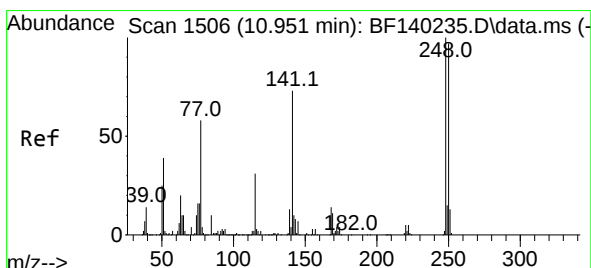
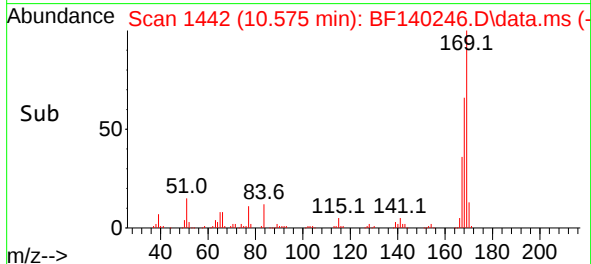
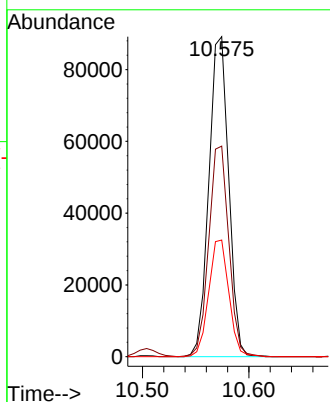
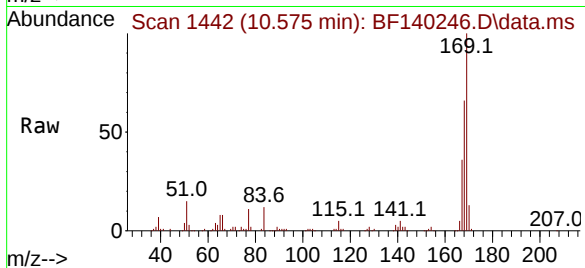
Tgt Ion:169 Resp: 115393

Ion Ratio Lower Upper

169 100

168 65.8 53.0 79.6

167 36.4 29.4 44.2



#67

4-Bromophenyl-phenylether

Concen: 4.757 ng

RT: 10.945 min Scan# 1505

Delta R.T. -0.006 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

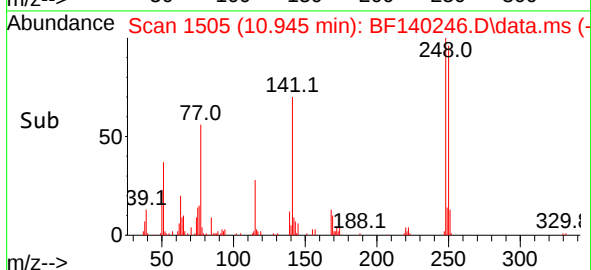
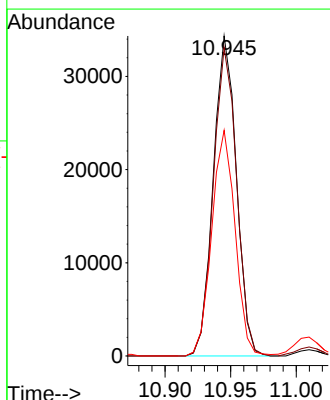
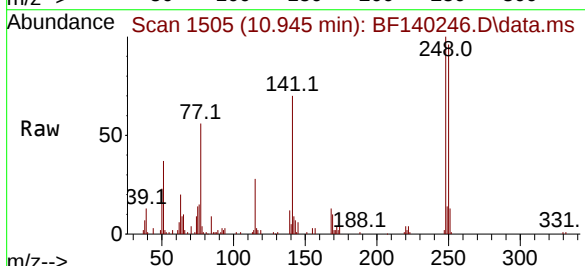
Tgt Ion:248 Resp: 42029

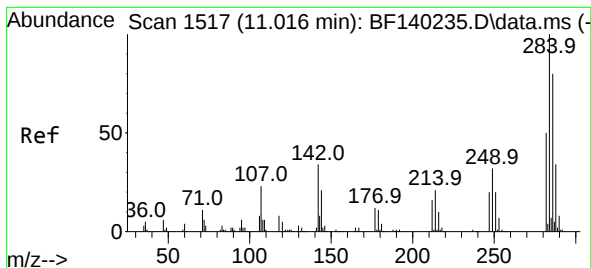
Ion Ratio Lower Upper

248 100

250 96.3 77.9 116.9

141 70.5 58.6 88.0





#68

Hexachlorobenzene

Concen: 4.688 ng

RT: 11.010 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

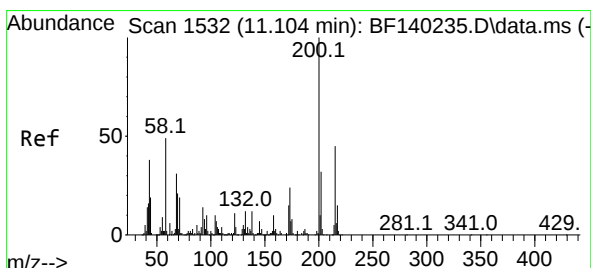
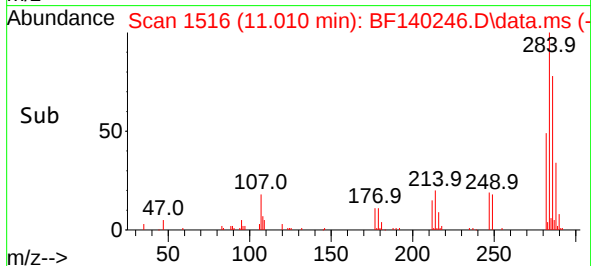
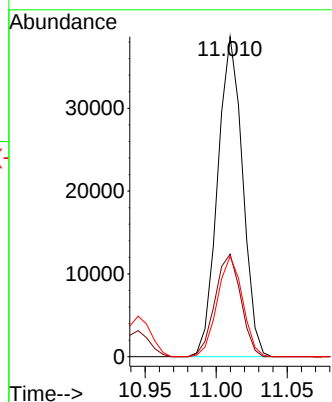
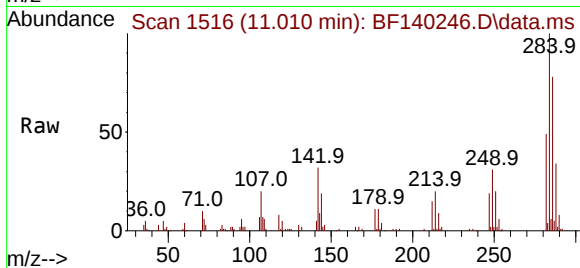
Tgt Ion:284 Resp: 47215

Ion Ratio Lower Upper

284 100

142 32.1 27.5 41.3

249 31.3 26.2 39.2



#69

Atrazine

Concen: 6.098 ng

RT: 11.092 min Scan# 1530

Delta R.T. -0.012 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

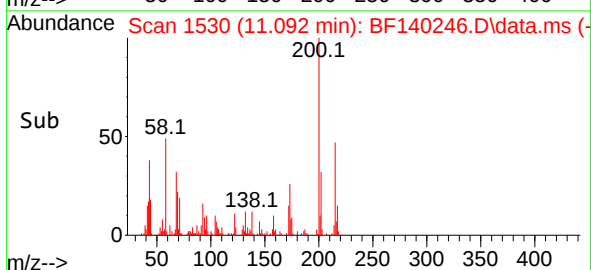
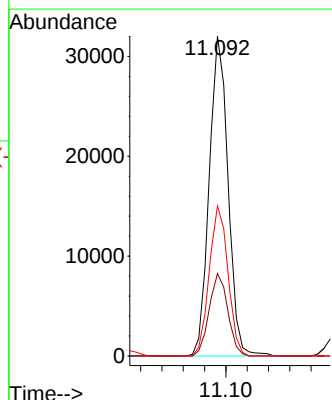
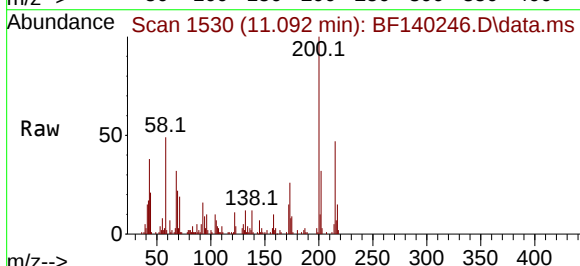
Tgt Ion:200 Resp: 39371

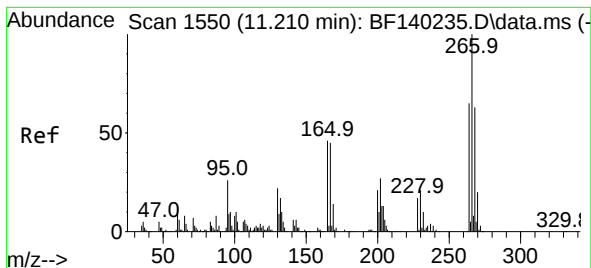
Ion Ratio Lower Upper

200 100

173 25.8 4.4 44.4

215 46.9 25.2 65.2





#70

Pentachlorophenol

Concen: 3.093 ng

RT: 11.204 min Scan# 1549

Delta R.T. -0.006 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

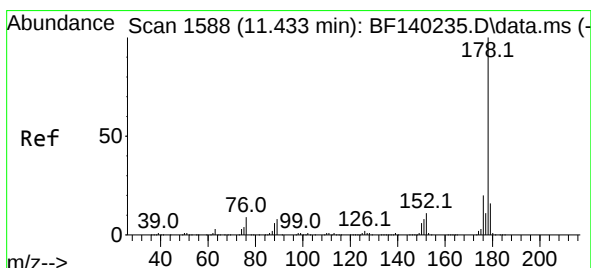
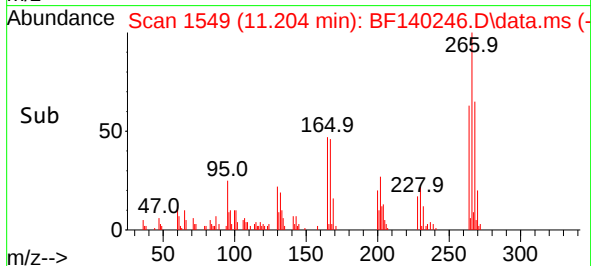
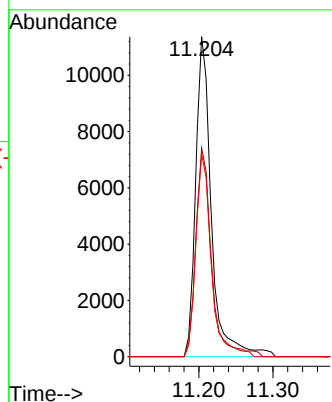
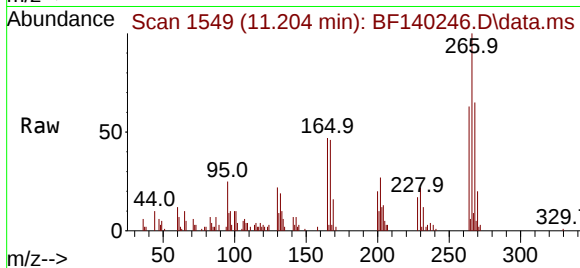
Tgt Ion:266 Resp: 16728

Ion Ratio Lower Upper

266 100

268 65.1 50.2 75.4

264 63.3 52.2 78.4



#71

Phenanthrene

Concen: 5.117 ng

RT: 11.427 min Scan# 1587

Delta R.T. -0.006 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

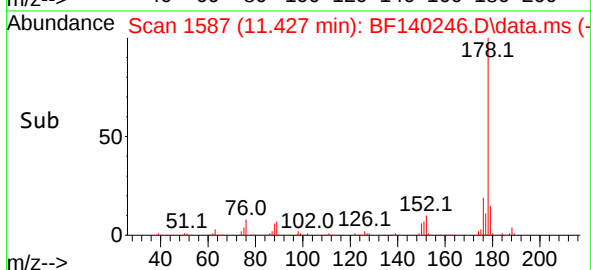
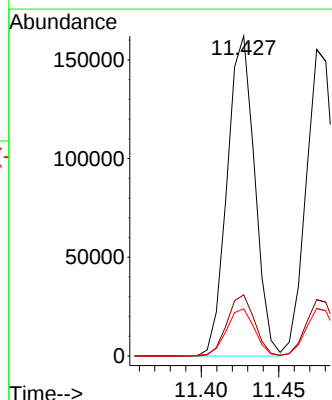
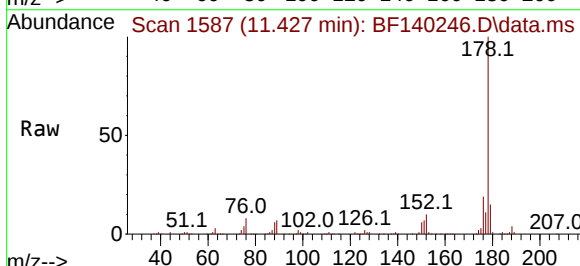
Tgt Ion:178 Resp: 200367

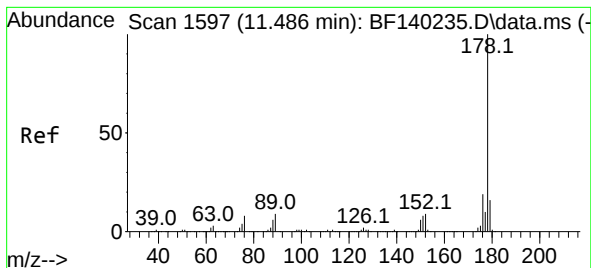
Ion Ratio Lower Upper

178 100

176 19.1 15.9 23.9

179 14.7 12.6 18.8





#72

Anthracene

Concen: 5.228 ng

RT: 11.474 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

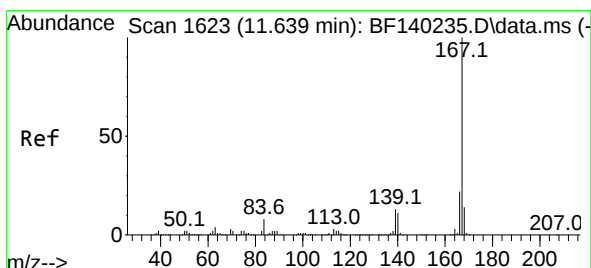
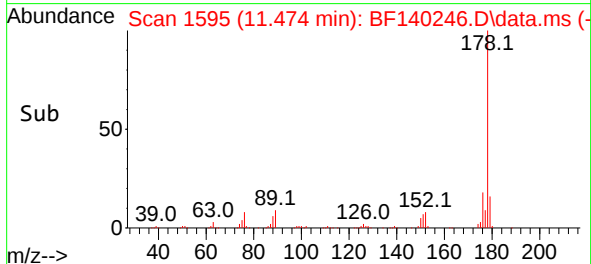
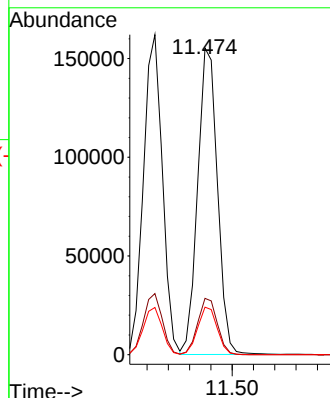
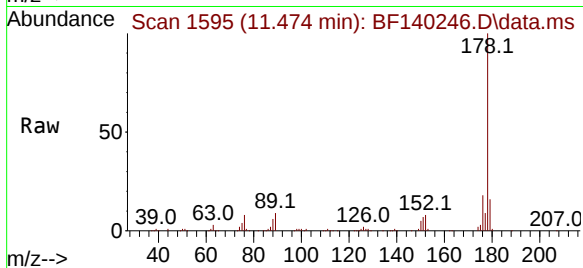
Tgt Ion:178 Resp: 200720

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.0

179 15.5 12.7 19.1



#73

Carbazole

Concen: 4.873 ng

RT: 11.633 min Scan# 1622

Delta R.T. -0.006 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

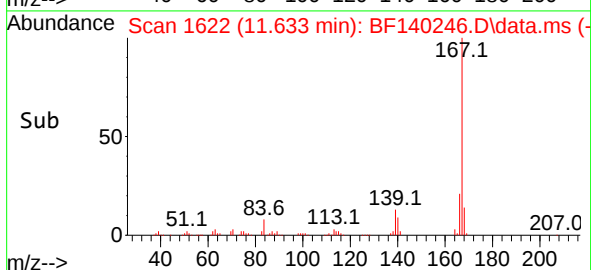
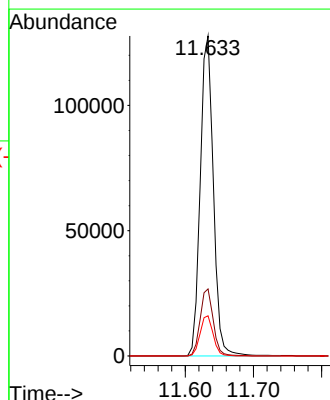
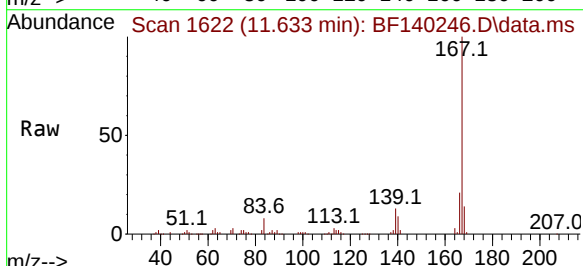
Tgt Ion:167 Resp: 170954

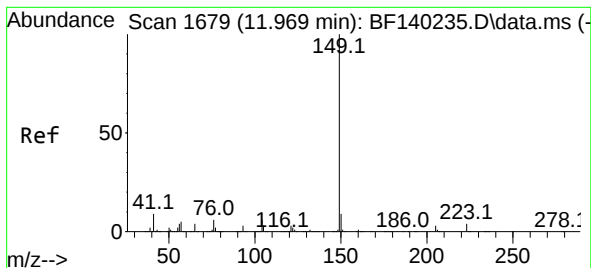
Ion Ratio Lower Upper

167 100

166 20.9 17.3 25.9

139 12.6 10.7 16.1





#74

Di-n-butylphthalate

Concen: 4.888 ng

RT: 11.963 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

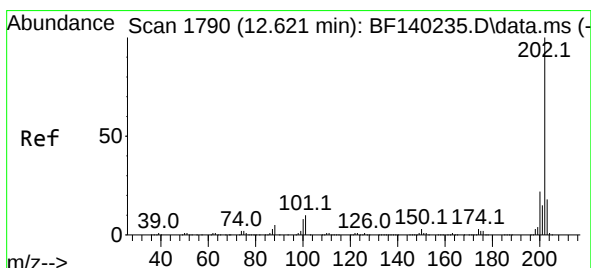
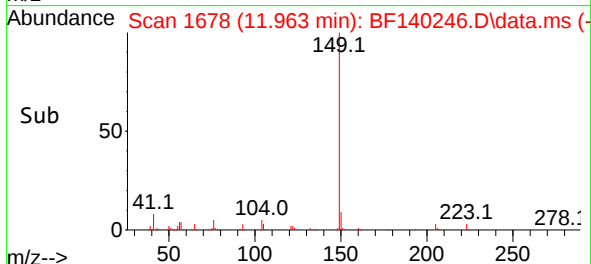
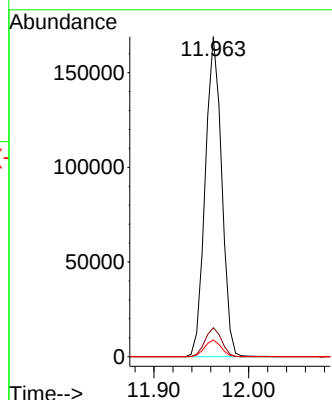
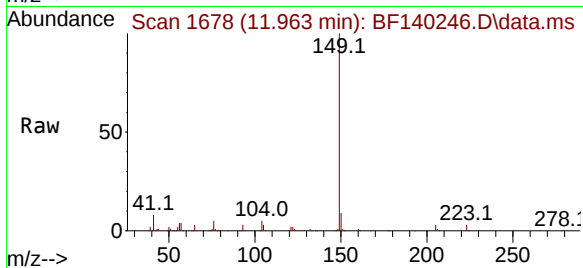
Tgt Ion:149 Resp: 202976

Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.2

104 5.2 4.5 6.7



#75

Fluoranthene

Concen: 4.945 ng

RT: 12.616 min Scan# 1789

Delta R.T. -0.006 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

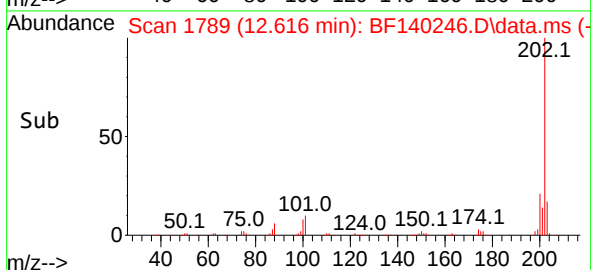
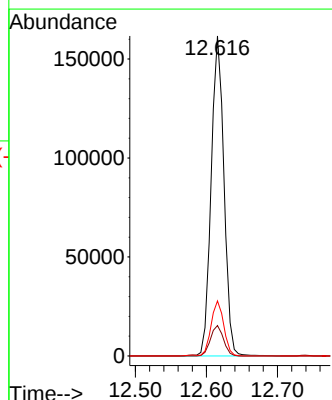
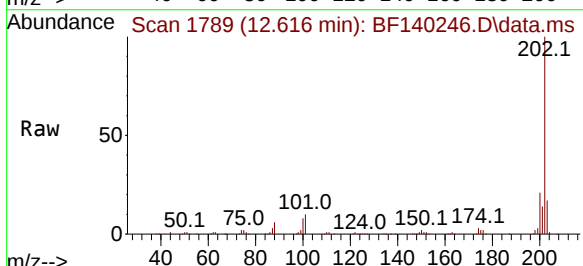
Tgt Ion:202 Resp: 202461

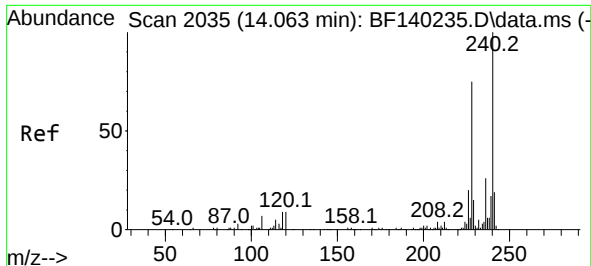
Ion Ratio Lower Upper

202 100

101 9.5 0.0 30.4

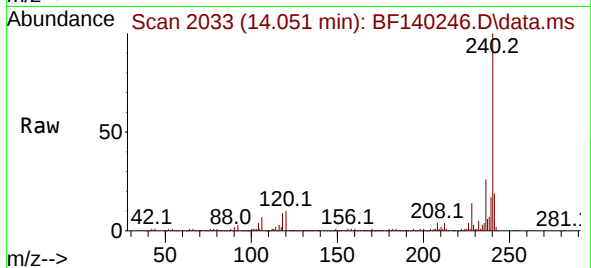
203 17.2 0.0 38.0



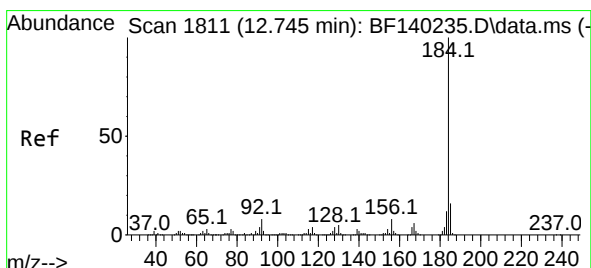
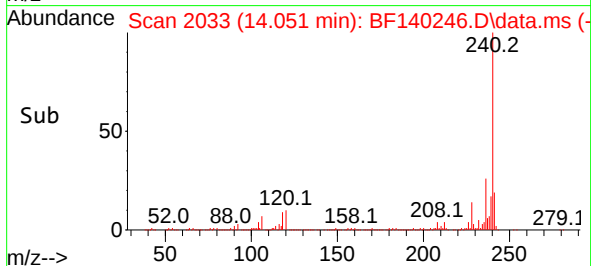
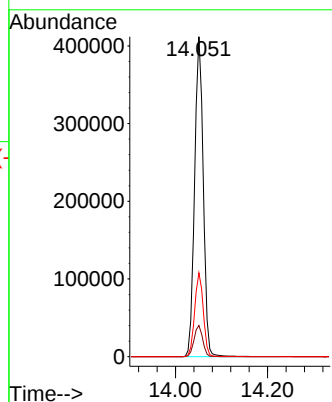


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

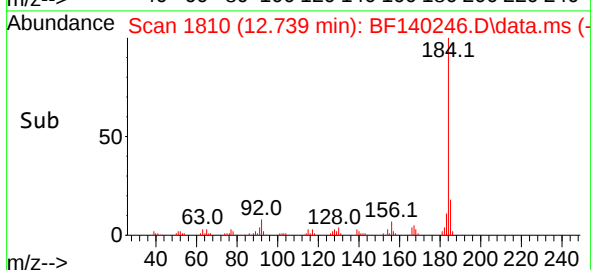
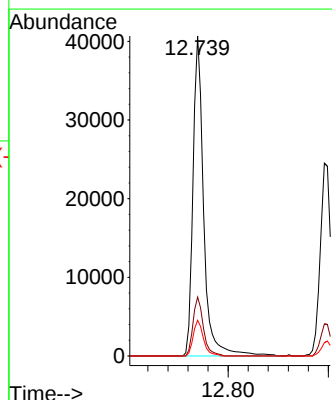
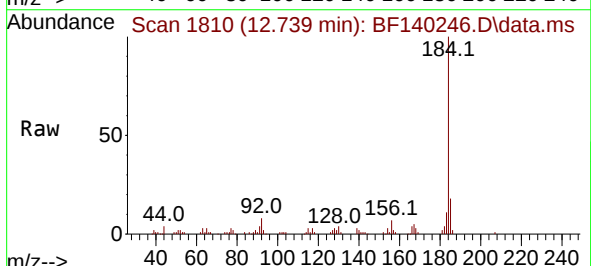


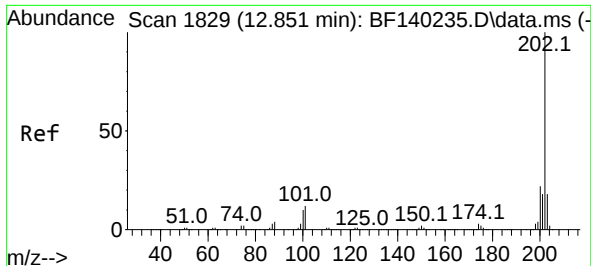
Tgt Ion:240 Resp: 534860
Ion Ratio Lower Upper
240 100
120 9.7 7.5 11.3
236 26.2 20.9 31.3



#77
Benzidine
Concen: 5.756 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

Tgt Ion:184 Resp: 60191
Ion Ratio Lower Upper
184 100
185 18.4 12.5 18.7
183 11.1 9.3 13.9

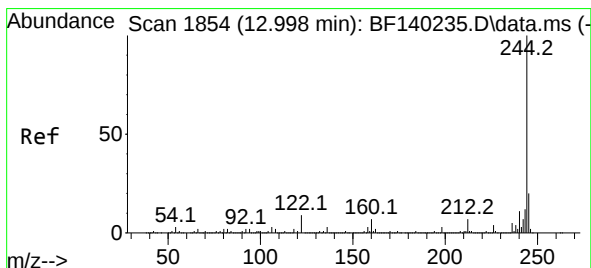
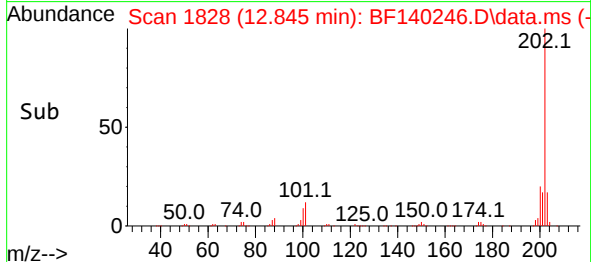
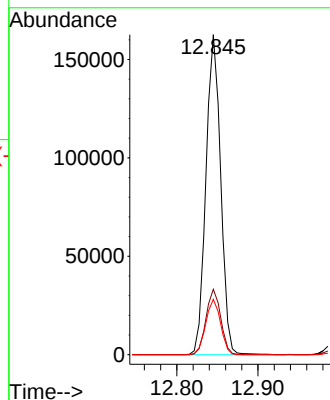
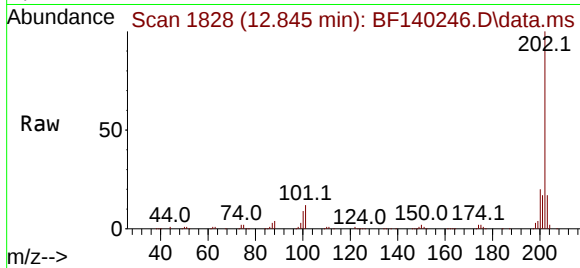




#78
Pyrene
Concen: 4.623 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

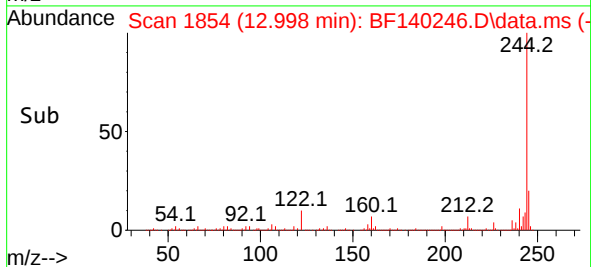
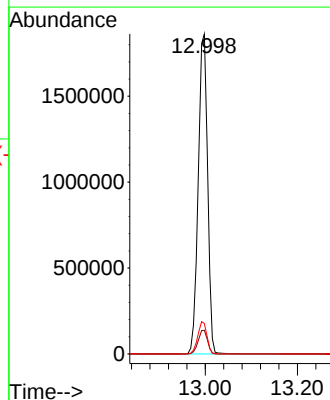
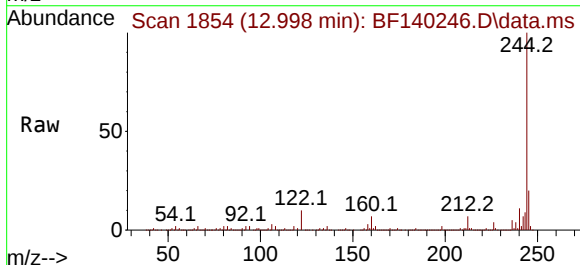
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

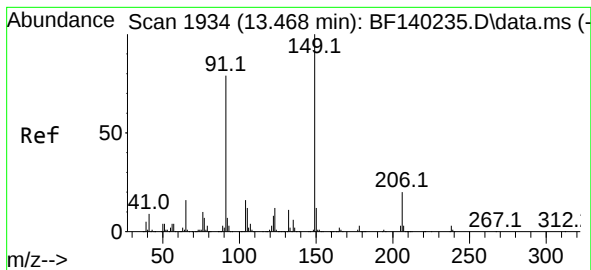
Tgt Ion:202 Resp: 204155
Ion Ratio Lower Upper
202 100
200 20.5 17.5 26.3
203 17.3 14.4 21.6



#79
Terphenyl-d14
Concen: 80.176 ng
RT: 12.998 min Scan# 1854
Delta R.T. -0.000 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

Tgt Ion:244 Resp: 2617786
Ion Ratio Lower Upper
244 100
212 7.4 6.0 9.0
122 9.5 7.6 11.4





#80

Butylbenzylphthalate

Concen: 4.566 ng

RT: 13.468 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

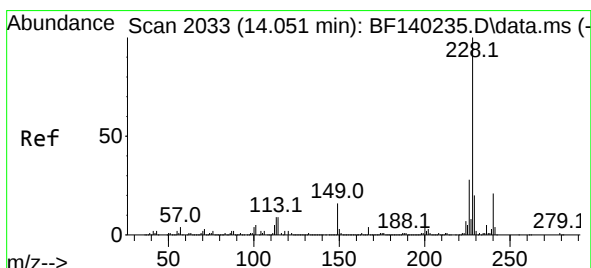
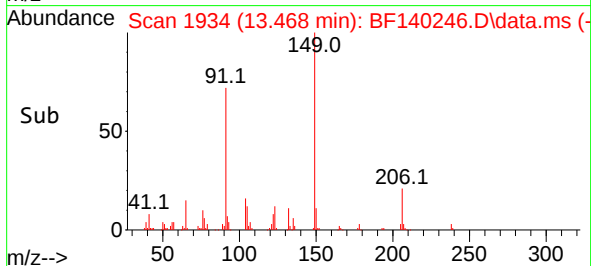
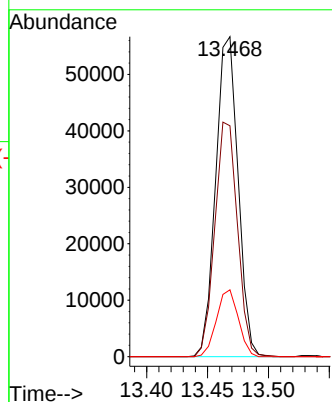
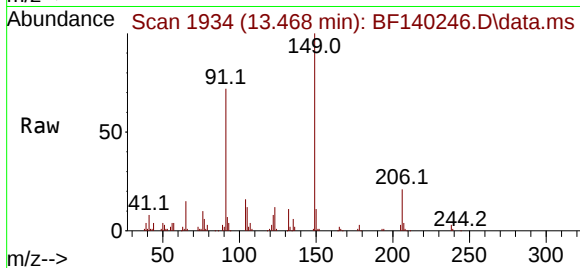
Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:149	Resp:	72607
Ion Ratio	Lower	Upper
149	100	
91	72.2	63.0 94.4
206	20.9	16.4 24.6



#81

Benzo(a)anthracene

Concen: 4.711 ng

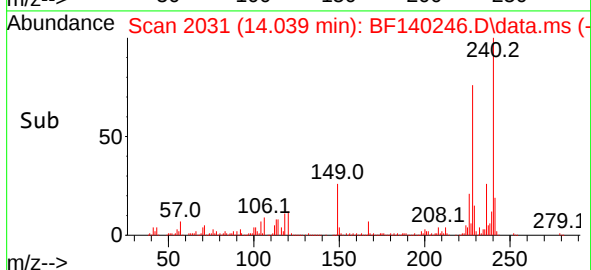
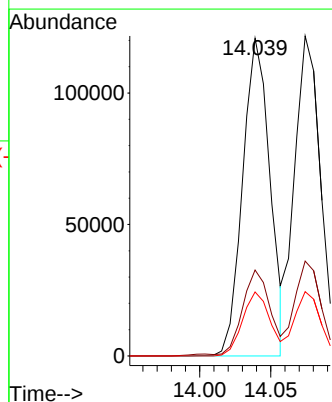
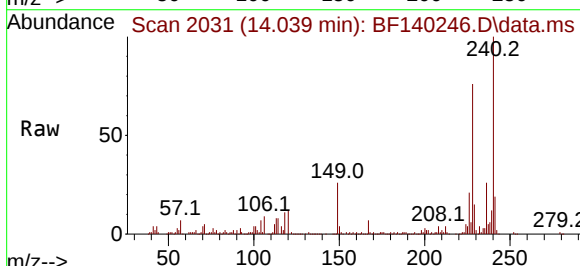
RT: 14.039 min Scan# 2031

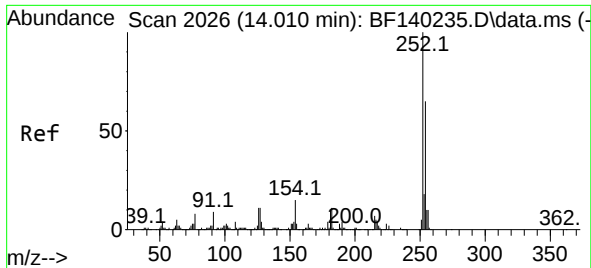
Delta R.T. -0.012 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Tgt Ion:228	Resp:	161691
Ion Ratio	Lower	Upper
228	100	
226	27.1	22.3 33.5
229	20.1	16.1 24.1

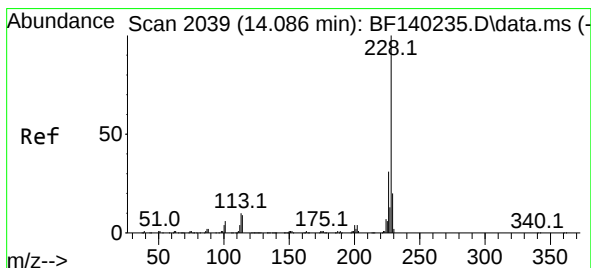
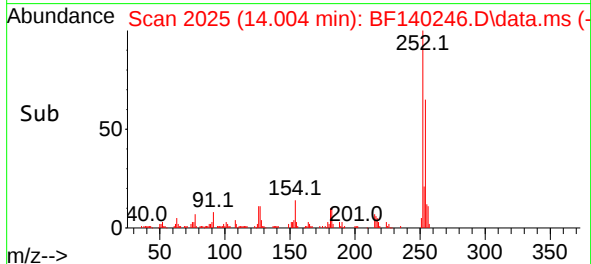
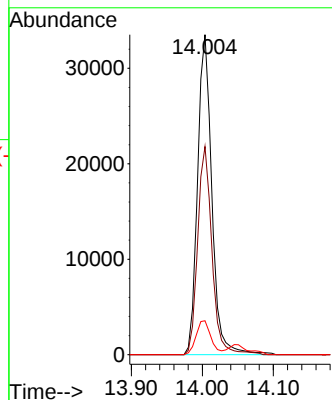
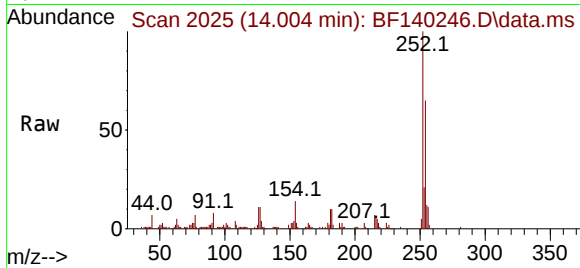




#82
 3,3'-Dichlorobenzidine
 Concen: 4.378 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. -0.006 min
 Lab File: BF140246.D
 Acq: 05 Nov 2024 19:15

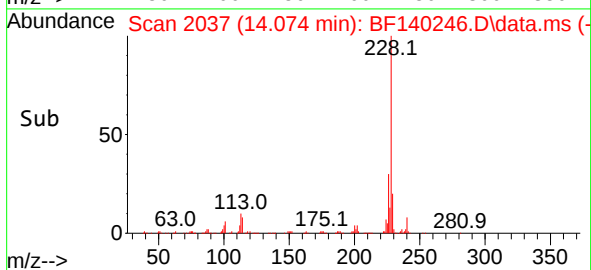
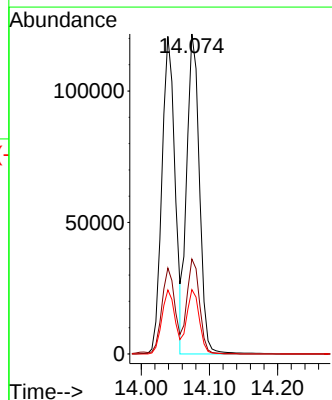
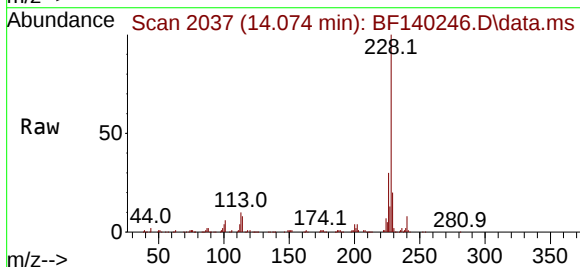
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024

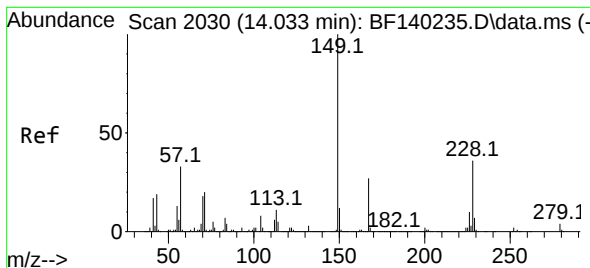
Tgt Ion:252 Resp: 47190
 Ion Ratio Lower Upper
 252 100
 254 65.0 51.8 77.8
 126 10.6 8.6 12.8



#83
 Chrysene
 Concen: 4.866 ng
 RT: 14.074 min Scan# 2037
 Delta R.T. -0.012 min
 Lab File: BF140246.D
 Acq: 05 Nov 2024 19:15

Tgt Ion:228 Resp: 156413
 Ion Ratio Lower Upper
 228 100
 226 29.7 24.6 36.8
 229 20.1 16.1 24.1



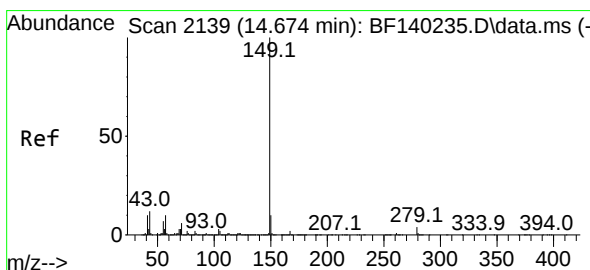
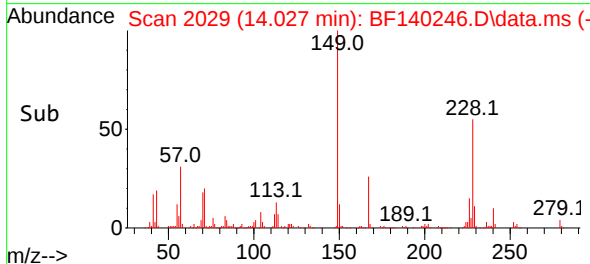
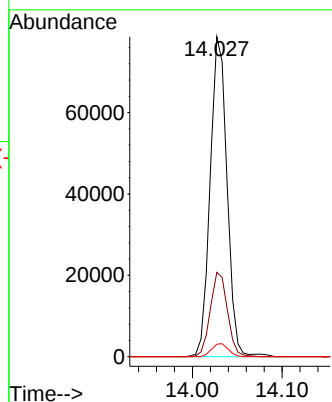
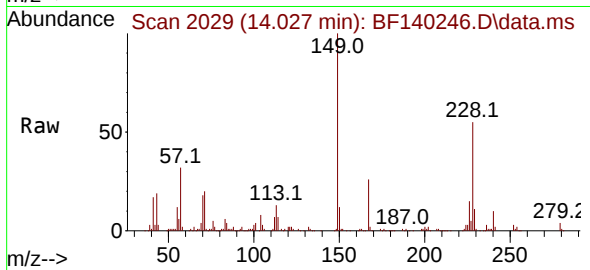


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.605 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF140246.D
 Acq: 05 Nov 2024 19:15

Instrument : BNA_F
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:149 Resp: 102625

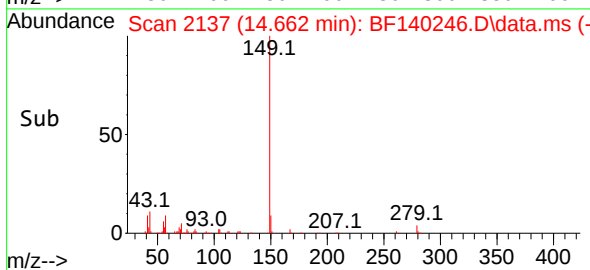
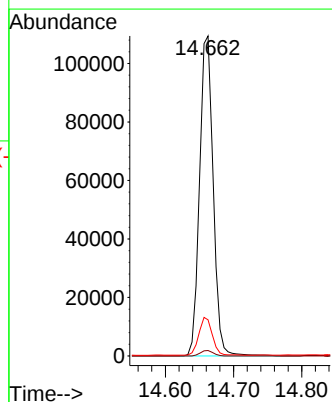
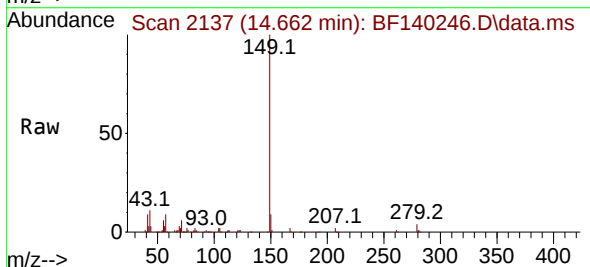
Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.8	32.8
279	3.9	3.2	4.8

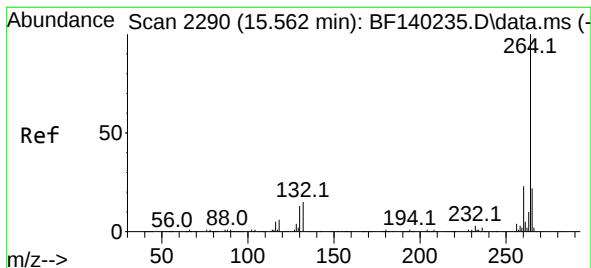


#85
 Di-n-octyl phthalate
 Concen: 4.538 ng
 RT: 14.662 min Scan# 2137
 Delta R.T. -0.012 min
 Lab File: BF140246.D
 Acq: 05 Nov 2024 19:15

Tgt Ion:149 Resp: 152245

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.6	9.7	14.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

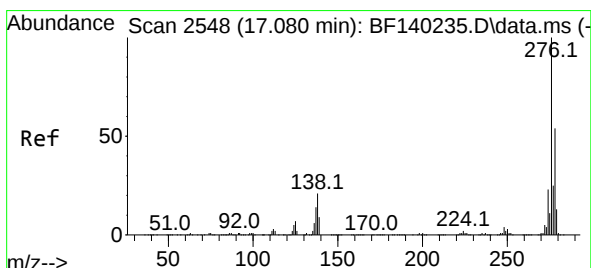
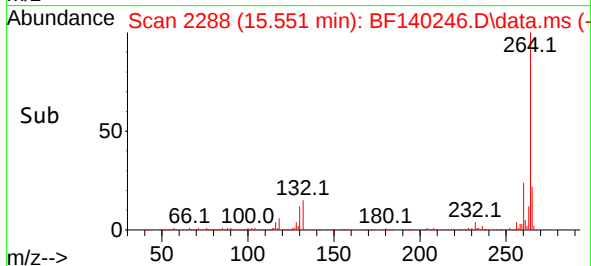
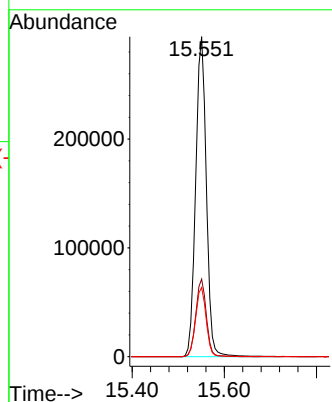
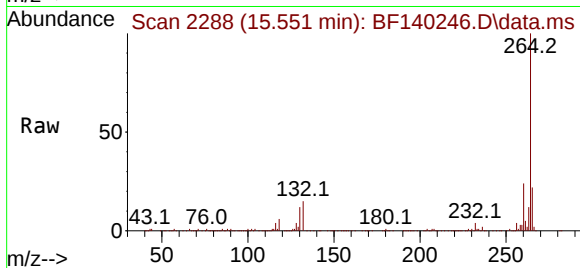
Tgt Ion:264 Resp: 472240

Ion Ratio Lower Upper

264 100

260 24.2 18.8 28.2

265 21.6 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.242 ng

RT: 17.045 min Scan# 2542

Delta R.T. -0.035 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

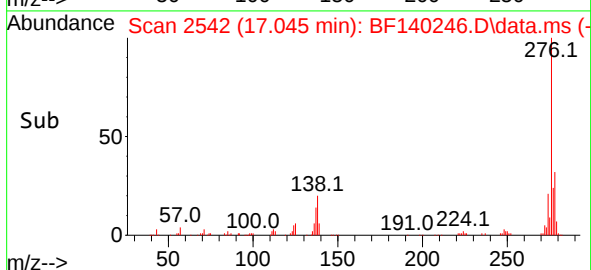
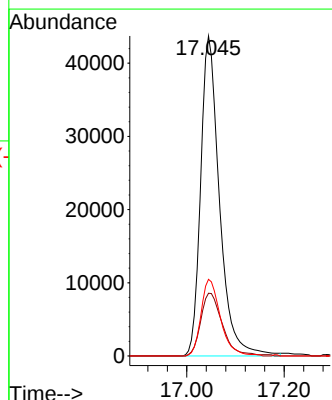
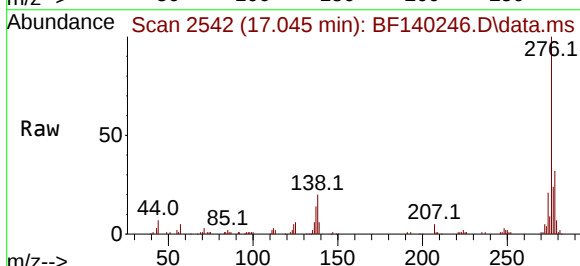
Tgt Ion:276 Resp: 117580

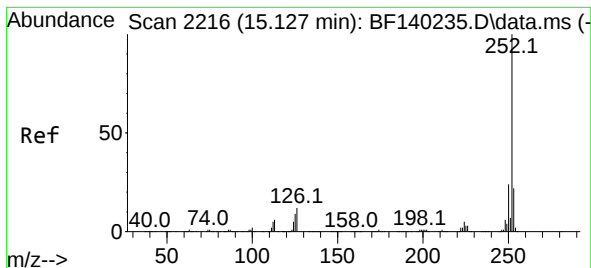
Ion Ratio Lower Upper

276 100

138 22.4 17.6 26.4

277 24.6 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 4.361 ng

RT: 15.110 min Scan# 2118

Delta R.T. -0.018 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

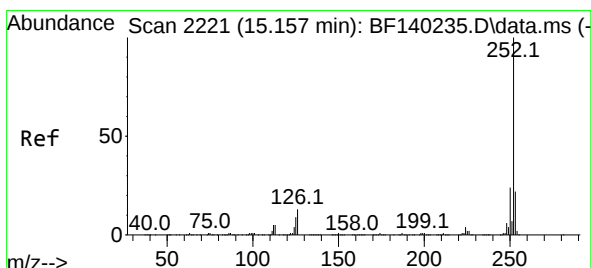
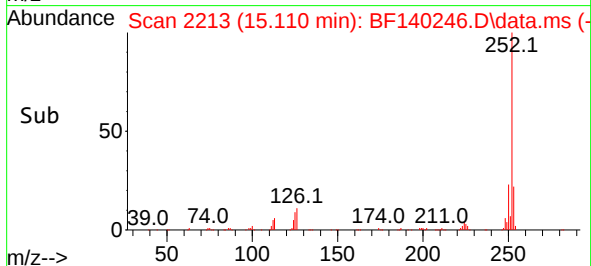
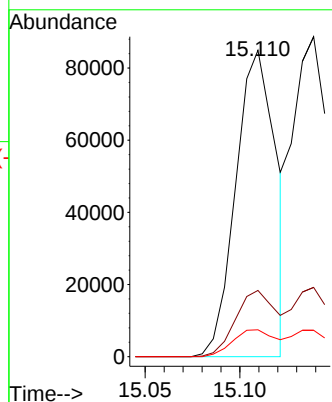
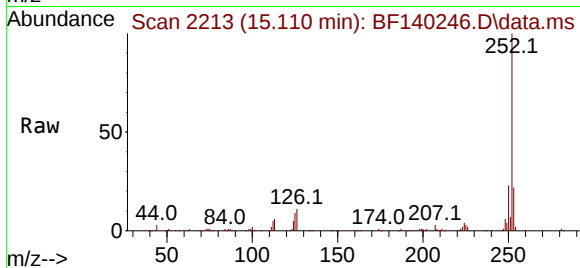
Tgt Ion:252 Resp: 124575

Ion Ratio Lower Upper

252 100

253 21.6 17.9 26.9

125 8.8 7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 4.894 ng

RT: 15.139 min Scan# 2218

Delta R.T. -0.018 min

Lab File: BF140246.D

Acq: 05 Nov 2024 19:15

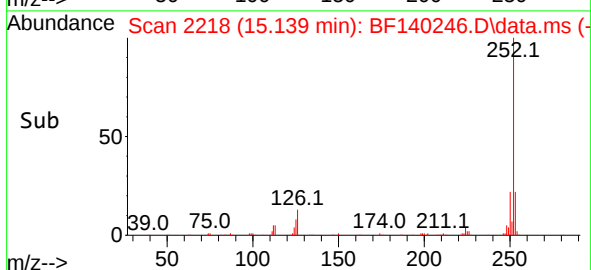
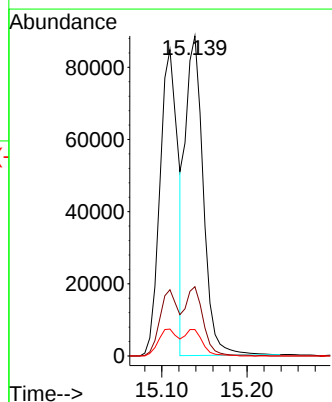
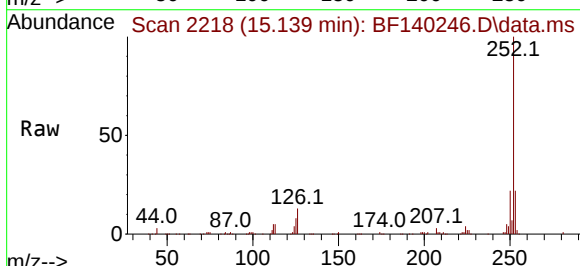
Tgt Ion:252 Resp: 128269

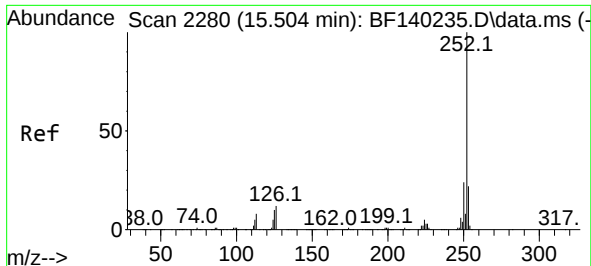
Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.8

125 8.3 7.2 10.8

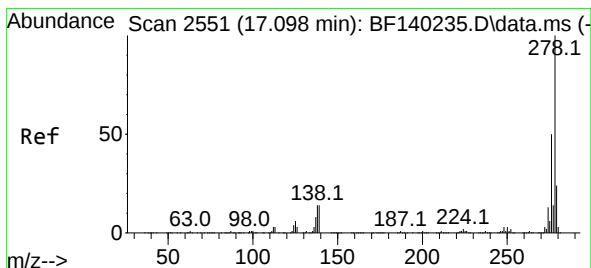
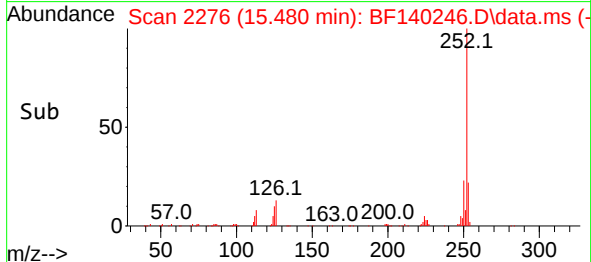
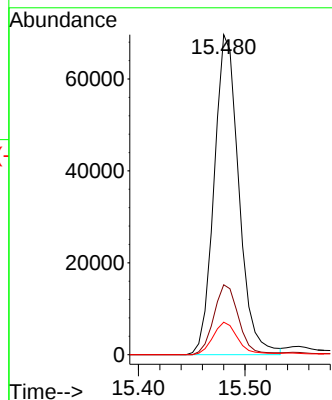
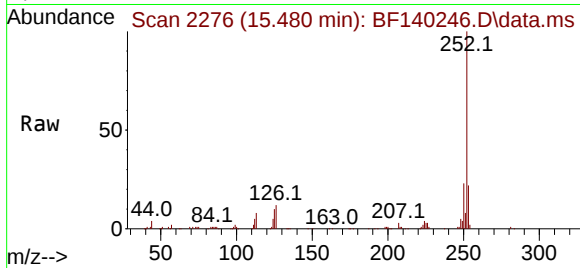




#90
Benzo(a)pyrene
Concen: 4.772 ng
RT: 15.480 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

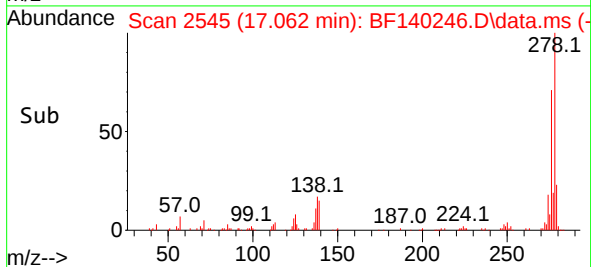
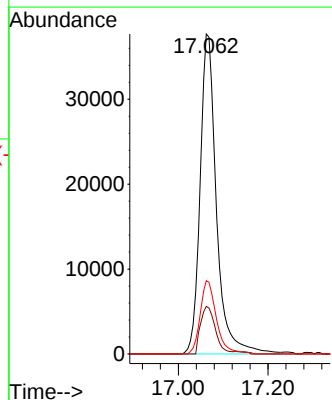
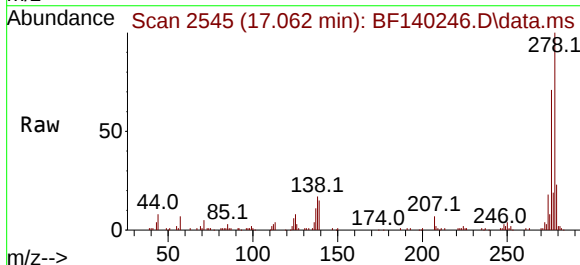
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

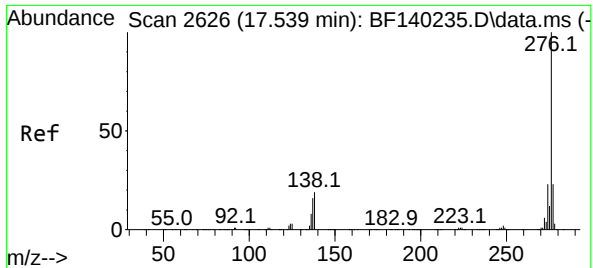
Tgt Ion:252 Resp: 112388
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.0
125 10.2 7.6 11.4



#91
Dibenzo(a,h)anthracene
Concen: 4.178 ng
RT: 17.062 min Scan# 2545
Delta R.T. -0.035 min
Lab File: BF140246.D
Acq: 05 Nov 2024 19:15

Tgt Ion:278 Resp: 95275
Ion Ratio Lower Upper
278 100
139 14.9 11.1 16.7
279 22.9 19.1 28.7





#92
 Benzo(g,h,i)perylene
 Concen: 3.906 ng
 RT: 17.498 min Scan# 20
 Delta R.T. -0.041 min
 Lab File: BF140246.D
 Acq: 05 Nov 2024 19:15

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:	276	Resp:	90878
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.8	28.2
138	19.6	15.3	22.9

