

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
 Data File : BF139054.D
 Acq On : 16 Aug 2024 13:24
 Operator : RC/JU
 Sample : P3390-01
 Misc : LOD-MDL-SOIL4ppm
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2024

Quant Time: Aug 16 13:45:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	52283	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	223785	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	129230	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	237000	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	130942	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	97485	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	450095	132.890	ng	0.00
7) Phenol-d6	6.487	99	612205	134.629	ng	0.00
23) Nitrobenzene-d5	7.404	82	407842	89.103	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	149043	140.797	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	746397	86.780	ng	-0.01
79) Terphenyl-d14	12.939	244	747646	95.597	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.593	88	5659	3.816	ng	# 91
3) Pyridine	3.475	79	12150m	3.382	ng	
4) n-Nitrosodimethylamine	3.340	42	8961	4.189	ng	# 79
6) Aniline	6.510	93	19909	4.909	ng	89
8) 2-Chlorophenol	6.628	128	15547	4.363	ng	88
9) Benzaldehyde	6.398	77	14012	5.140	ng	98
10) Phenol	6.498	94	19602	4.094	ng	# 22
11) bis(2-Chloroethyl)ether	6.575	93	14641	3.974	ng	96
12) 1,3-Dichlorobenzene	6.775	146	16448	4.123	ng	97
13) 1,4-Dichlorobenzene	6.851	146	16706	4.150	ng	100
14) 1,2-Dichlorobenzene	7.004	146	15657	4.162	ng	93
15) Benzyl Alcohol	6.992	79	17347	5.293	ng	# 79
16) 2,2'-oxybis(1-Chloropr...	7.104	45	28164	4.442	ng	55
17) 2-Methylphenol	7.110	107	12224	4.154	ng	# 81
18) Hexachloroethane	7.339	117	6470	4.270	ng	94
19) n-Nitroso-di-n-propyla...	7.245	70	12760	4.646	ng	95
20) 3+4-Methylphenols	7.269	107	15811	4.188	ng	# 56
22) Acetophenone	7.251	105	23736	4.332	ng	# 92
24) Nitrobenzene	7.422	77	20337	4.366	ng	96
25) Isophorone	7.657	82	32991	4.221	ng	97
26) 2-Nitrophenol	7.745	139	7424	3.705	ng	# 84
27) 2,4-Dimethylphenol	7.786	122	8416	3.510	ng	89
28) bis(2-Chloroethoxy)met...	7.869	93	18848	3.960	ng	98
29) 2,4-Dichlorophenol	8.010	162	12368	4.015	ng	97
30) 1,2,4-Trichlorobenzene	8.057	180	14254	4.009	ng	96
31) Naphthalene	8.139	128	47393	4.023	ng	98
32) Benzoic acid	7.939	122	2145m	1.138	ng	
33) 4-Chloroaniline	8.204	127	17336	4.384	ng	99
34) Hexachlorobutadiene	8.245	225	8630	4.008	ng	97
35) Caprolactam	8.545	113	3492	3.799	ng	# 78
36) 4-Chloro-3-methylphenol	8.692	107	14814	4.207	ng	96
37) 2-Methylnaphthalene	8.828	142	31231	4.198	ng	99
38) 1-Methylnaphthalene	8.928	142	29687	4.072	ng	99
40) 1,2,4,5-Tetrachloroben...	8.992	216	15657	4.361	ng	96
43) 2,4,6-Trichlorophenol	9.122	196	7592	3.469	ng	97
44) 2,4,5-Trichlorophenol	9.175	196	8783	3.671	ng	# 90

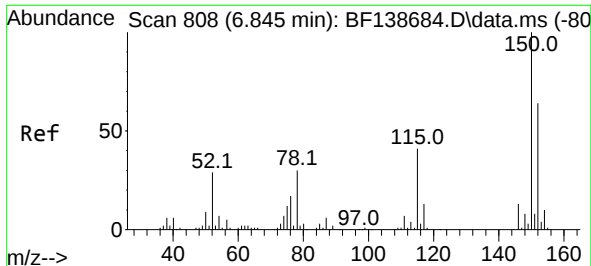
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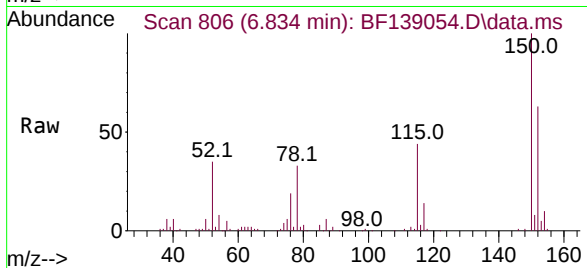
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.286	154	42906	4.239	ng	97
47) 2-Chloronaphthalene	9.316	162	30244	4.018	ng	99
48) 2-Nitroaniline	9.428	65	10671	4.182	ng	94
49) Acenaphthylene	9.727	152	47069	4.409	ng	97
50) Dimethylphthalate	9.586	163	35956	4.351	ng	99
51) 2,6-Dinitrotoluene	9.657	165	7414	3.976	ng	# 73
52) Acenaphthene	9.898	154	29012	4.043	ng	97
53) 3-Nitroaniline	9.839	138	8221	4.264	ng	99
54) 2,4-Dinitrophenol	9.998	184	611	0.712	ng	# 80
55) Dibenzofuran	10.075	168	45324	4.474	ng	95
57) 2,4-Dinitrotoluene	10.075	165	10166	4.273	ng	# 68
58) Fluorene	10.416	166	34731	4.305	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.204	232	7064	3.862	ng	# 97
60) Diethylphthalate	10.286	149	36513	4.660	ng	97
61) 4-Chlorophenyl-phenyle...	10.404	204	18047	4.549	ng	94
62) 4-Nitroaniline	10.451	138	5709	3.116	ng	# 78
63) Azobenzene	10.569	77	38217	4.398	ng	95
65) 4,6-Dinitro-2-methylph...	10.492	198	3095	2.141	ng	84
66) n-Nitrosodiphenylamine	10.527	169	29674	4.006	ng	99
67) 4-Bromophenyl-phenylether	10.898	248	10103	3.937	ng	94
68) Hexachlorobenzene	10.963	284	10293	3.885	ng	94
69) Atrazine	11.051	200	9802	5.128	ng	97
70) Pentachlorophenol	11.186	266	665	0.557	ng	93
71) Phenanthrene	11.380	178	51621	4.230	ng	99
72) Anthracene	11.433	178	50337	4.187	ng	99
73) Carbazole	11.598	167	41866	4.036	ng	98
74) Di-n-butylphthalate	11.910	149	53698	4.605	ng	98
75) Fluoranthene	12.574	202	48590	4.265	ng	96
77) Benzidine	12.698	184	11429	3.649	ng	95
78) Pyrene	12.804	202	51298	4.161	ng	98
80) Butylbenzylphthalate	13.410	149	17797	4.508	ng	98
81) Benzo(a)anthracene	13.992	228	37021	4.106	ng	98
82) 3,3'-Dichlorobenzidine	13.957	252	9886	4.284	ng	94
83) Chrysene	14.027	228	32314	3.972	ng	98
84) Bis(2-ethylhexyl)phtha...	13.963	149	20347	3.520	ng	98
85) Di-n-octyl phthalate	14.574	149	27299	2.552	ng	# 92
87) Indeno(1,2,3-cd)pyrene	16.956	276	23841	3.413	ng	95
88) Benzo(b)fluoranthene	15.045	252	24380	4.034	ng	98
89) Benzo(k)fluoranthene	15.068	252	23971	4.581	ng	98
90) Benzo(a)pyrene	15.409	252	21675	4.264	ng	97
91) Dibenzo(a,h)anthracene	16.962	278	18644	3.251	ng	97
92) Benzo(g,h,i)perylene	17.403	276	18992	3.191	ng	94

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

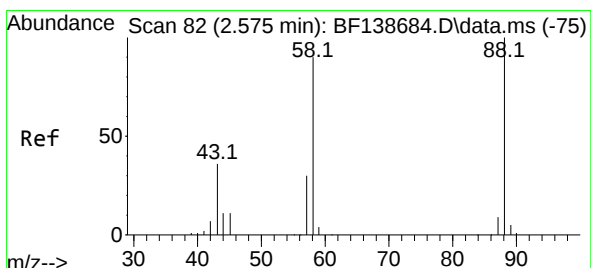
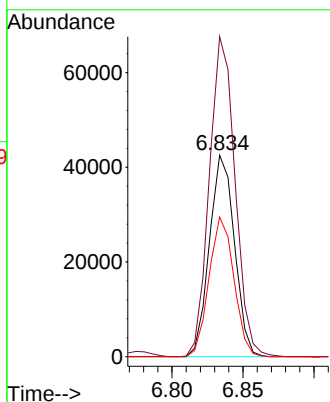
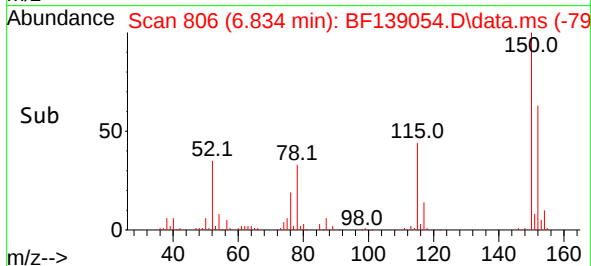


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.011 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

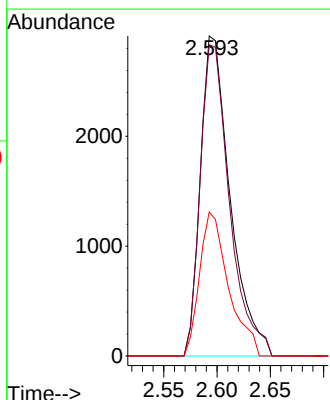
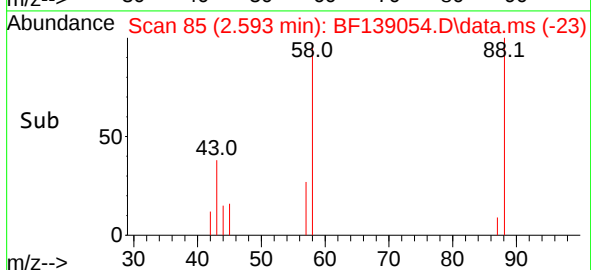
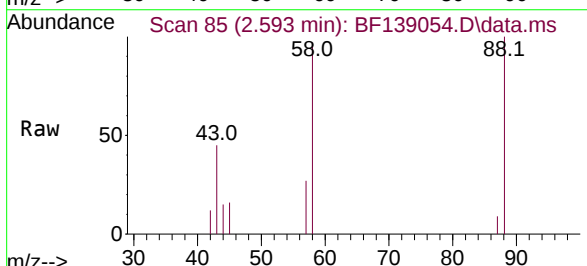


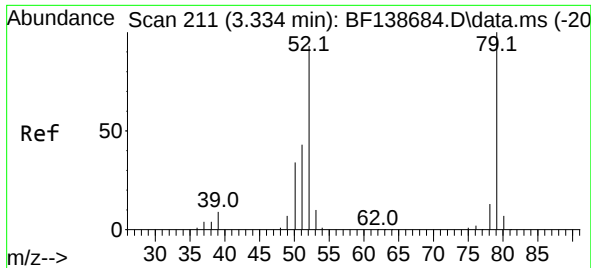
Tgt Ion:152 Resp: 52283
Ion Ratio Lower Upper
152 100
150 158.8 126.0 189.0
115 69.3 51.7 77.5



#2
1,4-Dioxane
Concen: 3.816 ng
RT: 2.593 min Scan# 85
Delta R.T. 0.018 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion: 88 Resp: 5659
Ion Ratio Lower Upper
88 100
58 95.9 71.6 107.4
43 43.9 28.7 43.1#





#3

Pyridine

Concen: 3.382 ng m

RT: 3.475 min Scan# 211

Delta R.T. 0.141 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

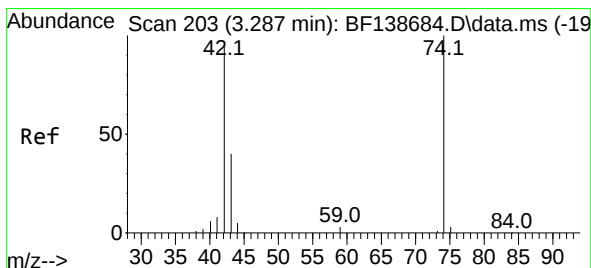
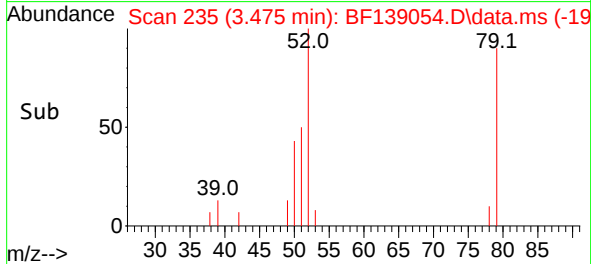
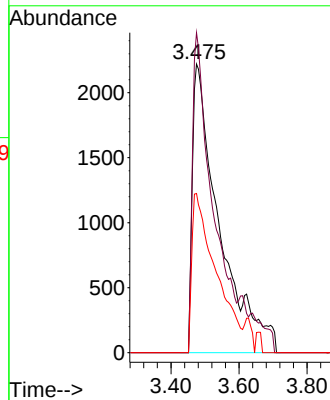
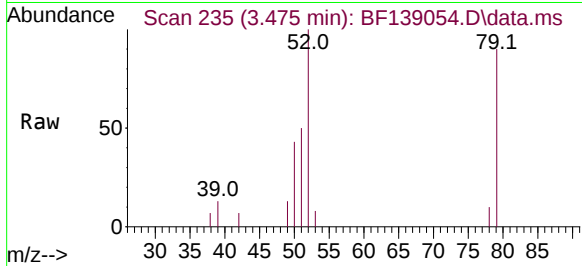
Tgt Ion: 79 Resp: 12150

Ion Ratio Lower Upper

79 100

52 110.9 74.7 112.1

51 55.2 34.6 51.8#



#4

n-Nitrosodimethylamine

Concen: 4.189 ng

RT: 3.340 min Scan# 212

Delta R.T. 0.053 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

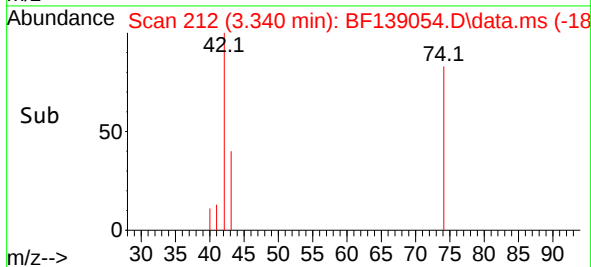
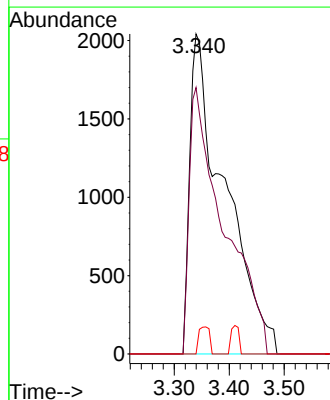
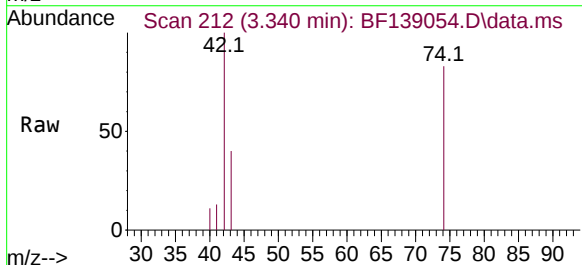
Tgt Ion: 42 Resp: 8961

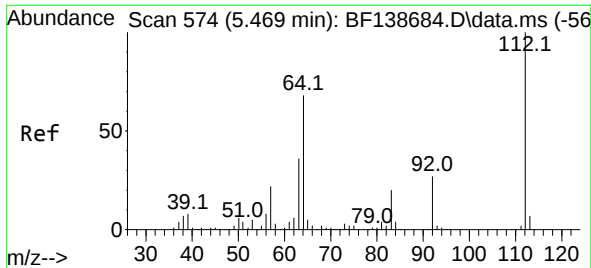
Ion Ratio Lower Upper

42 100

74 83.3 84.2 126.4#

44 0.0 4.9 7.3#

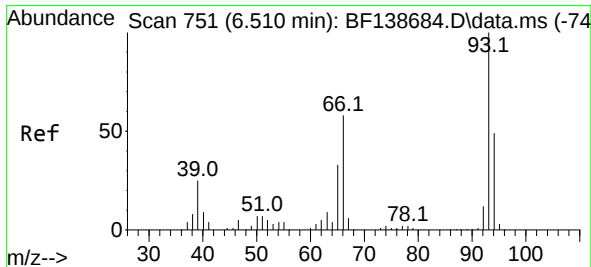
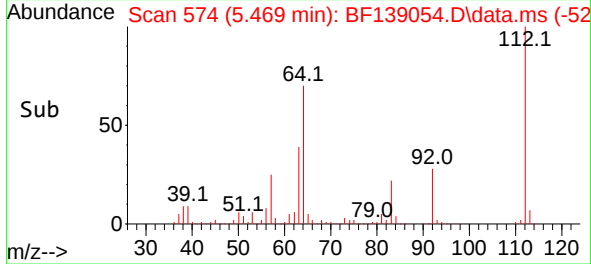
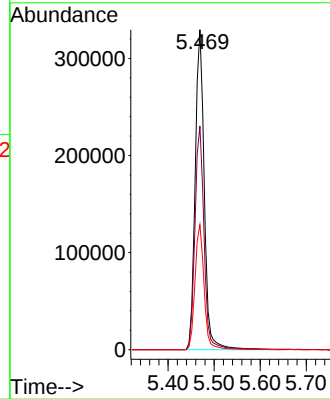
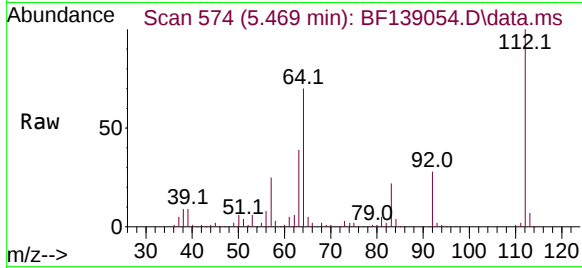




#5
2-Fluorophenol
Concen: 132.890 ng
RT: 5.469 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

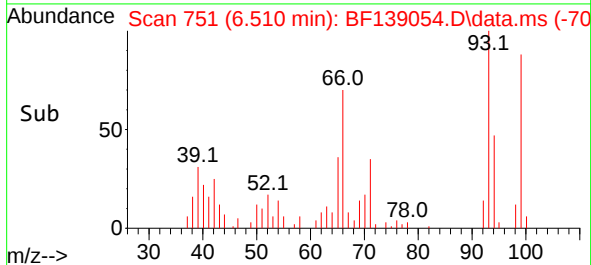
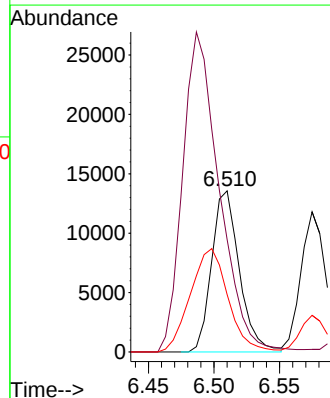
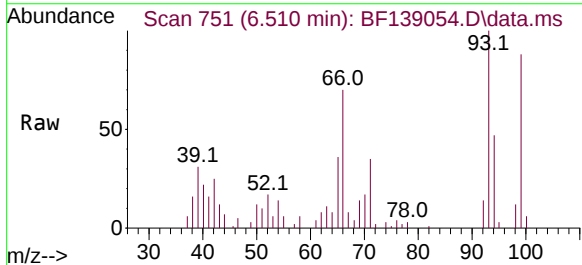
Instrument :
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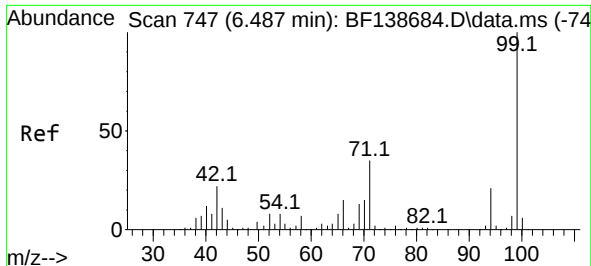
Tgt Ion:112 Resp: 450095
Ion Ratio Lower Upper
112 100
64 69.8 54.2 81.4
63 39.0 28.7 43.1



#6
Aniline
Concen: 4.909 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.000 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion: 93 Resp: 19909
Ion Ratio Lower Upper
93 100
66 69.8 46.9 70.3
65 35.6 26.5 39.7

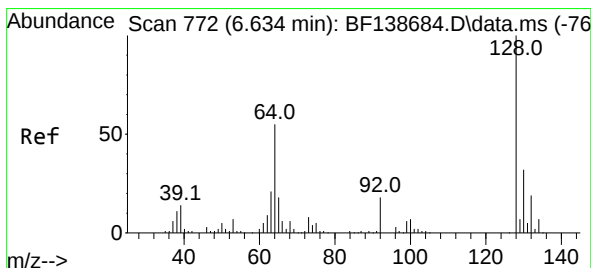
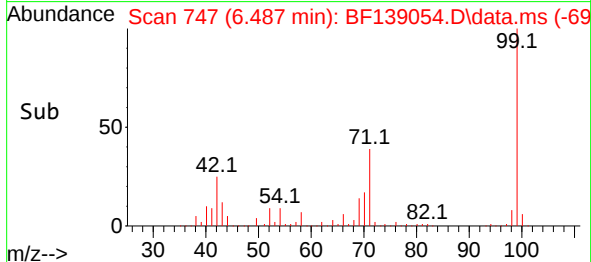
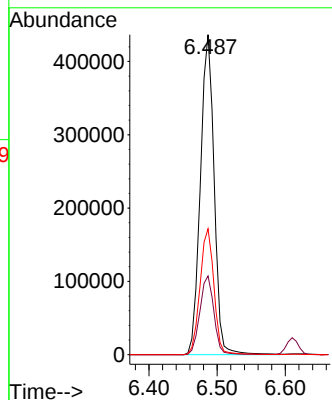
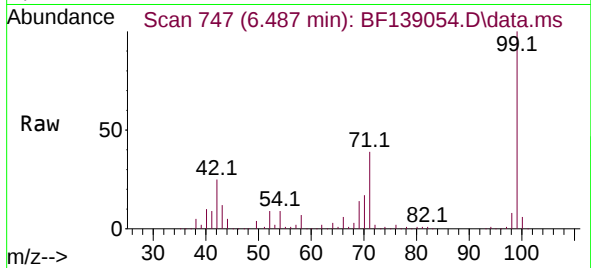




#7
Phenol-d6
Concen: 134.629 ng
RT: 6.487 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

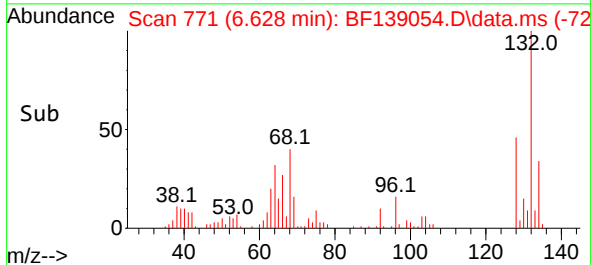
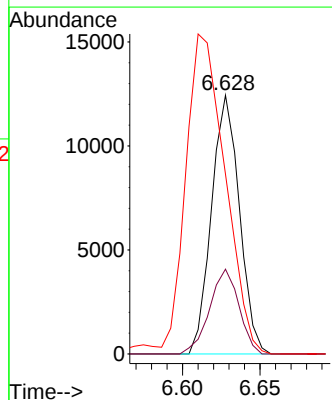
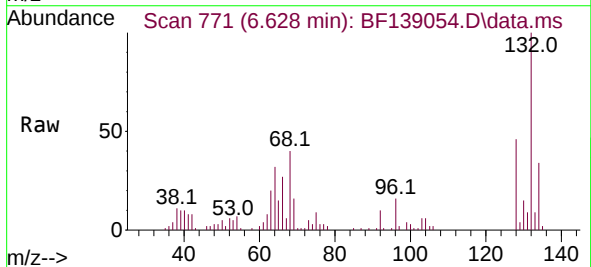
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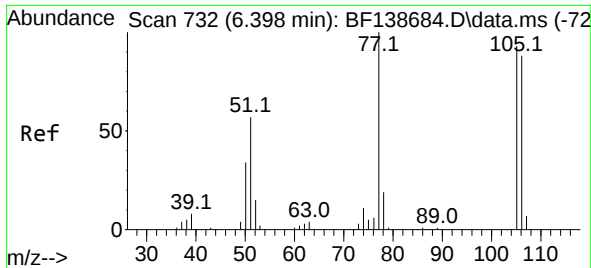
Tgt Ion: 99 Resp: 612205
Ion Ratio Lower Upper
99 100
42 24.6 17.4 26.0
71 39.4 28.1 42.1



#8
2-Chlorophenol
Concen: 4.363 ng
RT: 6.628 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion:128 Resp: 15547
Ion Ratio Lower Upper
128 100
130 32.8 12.0 52.0
64 69.5 36.3 76.3





#9

Benzaldehyde

Concen: 5.140 ng

RT: 6.398 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

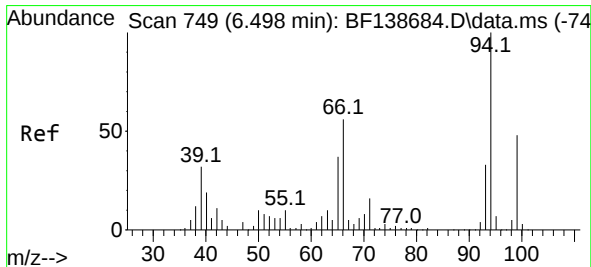
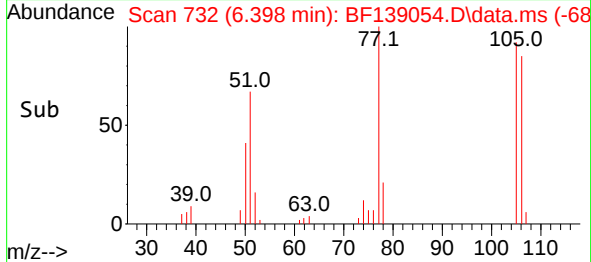
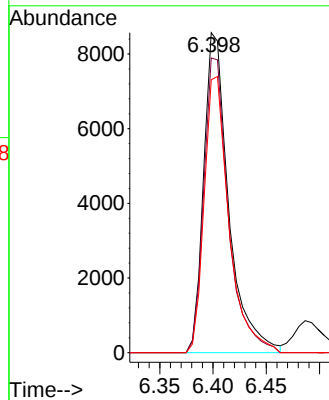
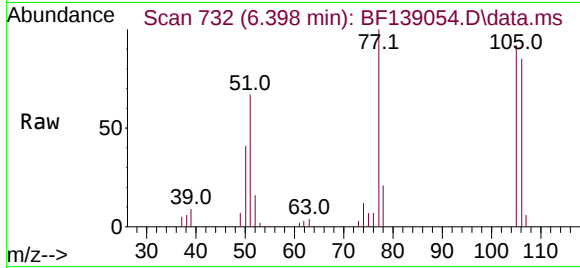
Tgt Ion: 77 Resp: 14012

Ion Ratio Lower Upper

77 100

105 92.1 72.9 112.9

106 85.3 68.4 108.4



#10

Phenol

Concen: 4.094 ng

RT: 6.498 min Scan# 749

Delta R.T. -0.000 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

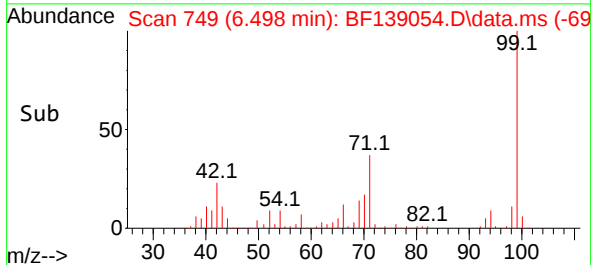
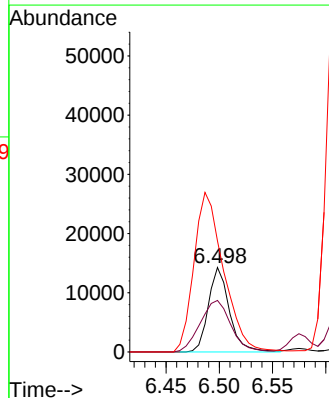
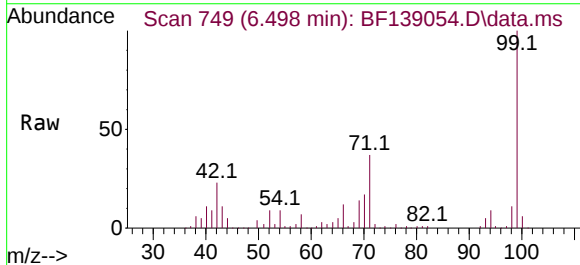
Tgt Ion: 94 Resp: 19602

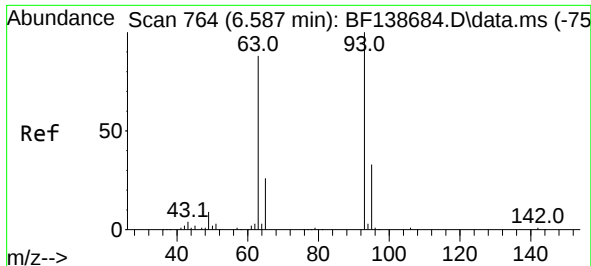
Ion Ratio Lower Upper

94 100

65 61.0 16.9 56.9#

66 131.4 36.5 76.5#

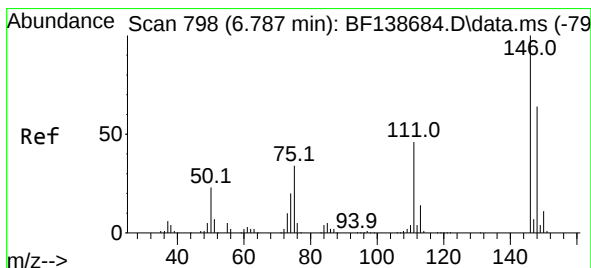
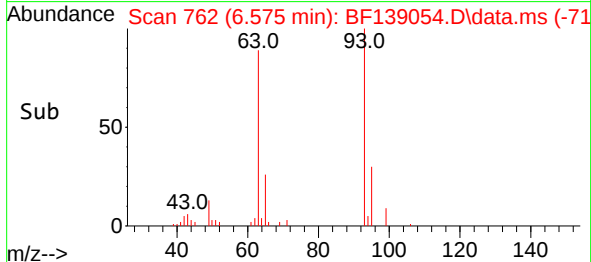
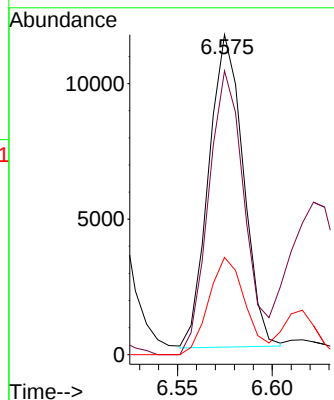
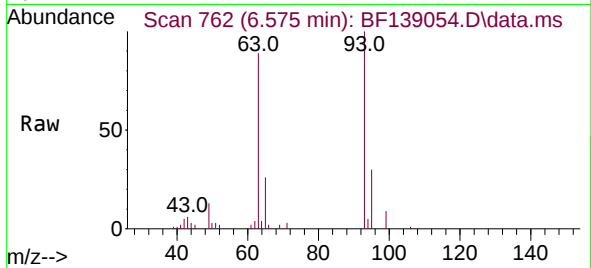




#11
bis(2-Chloroethyl)ether
Concen: 3.974 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

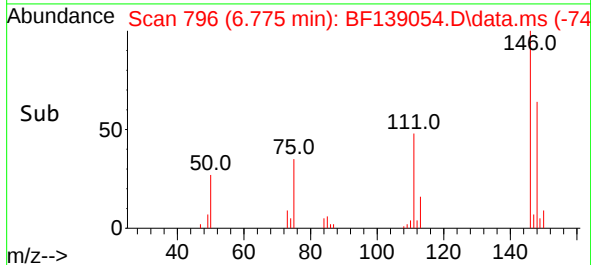
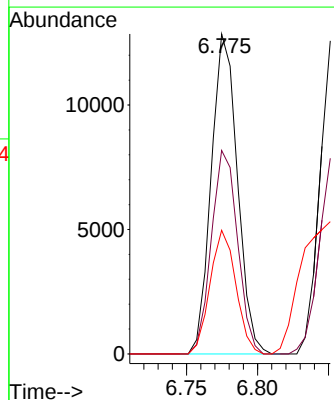
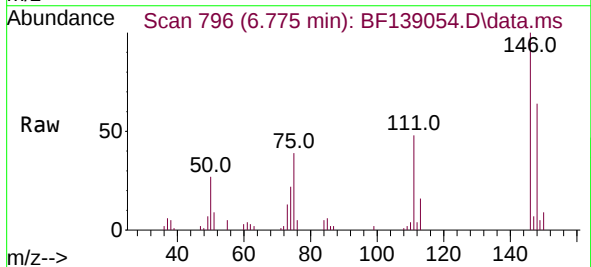
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

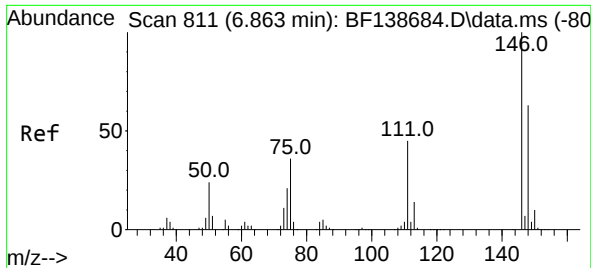
Tgt Ion: 93	Resp:	14641
Ion	Ratio	Lower Upper
93	100	
63	88.7	65.3 105.3
95	30.4	12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 4.123 ng
RT: 6.775 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion: 146	Resp:	16448
Ion	Ratio	Lower Upper
146	100	
148	63.6	51.2 76.8
75	38.6	27.4 41.2

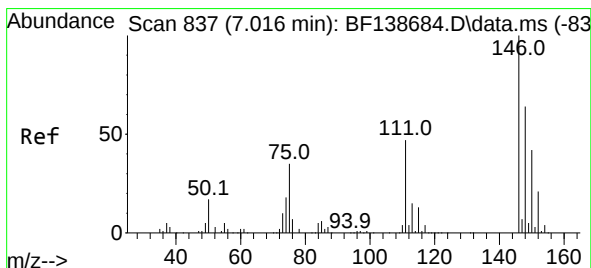
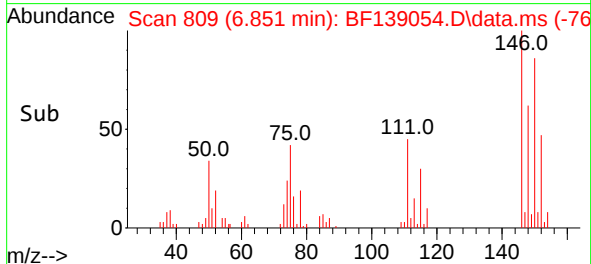
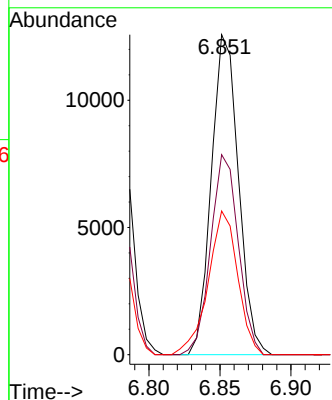
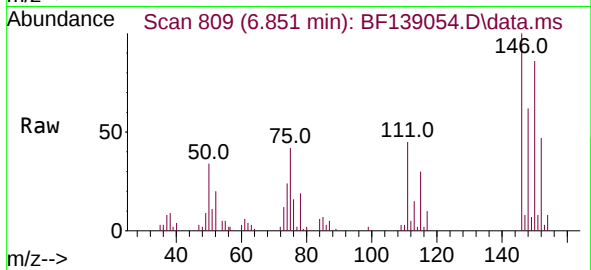




#13
1,4-Dichlorobenzene
Concen: 4.150 ng
RT: 6.851 min Scan# 809
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

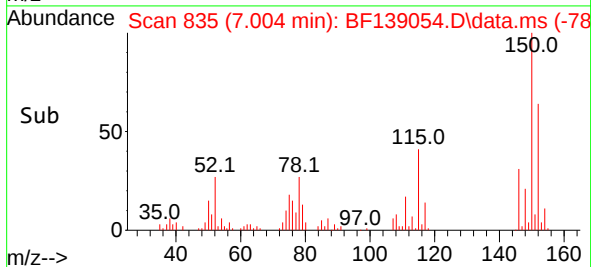
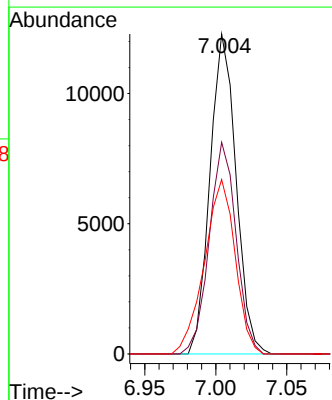
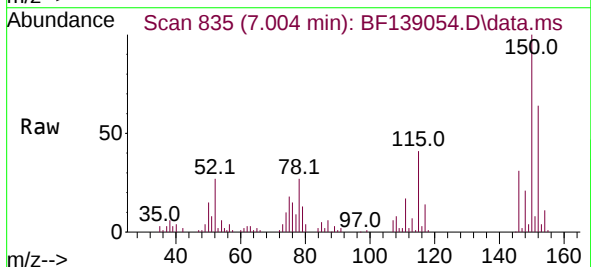
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

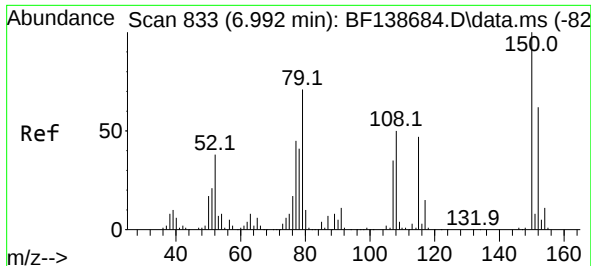
Tgt Ion:146 Resp: 16706
Ion Ratio Lower Upper
146 100
148 62.5 50.2 75.2
111 44.9 35.9 53.9



#14
1,2-Dichlorobenzene
Concen: 4.162 ng
RT: 7.004 min Scan# 835
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion:146 Resp: 15657
Ion Ratio Lower Upper
146 100
148 66.2 50.8 76.2
111 54.5 37.4 56.2

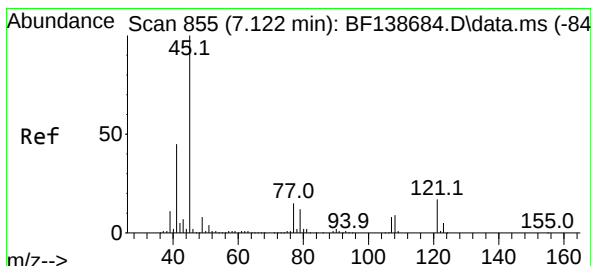
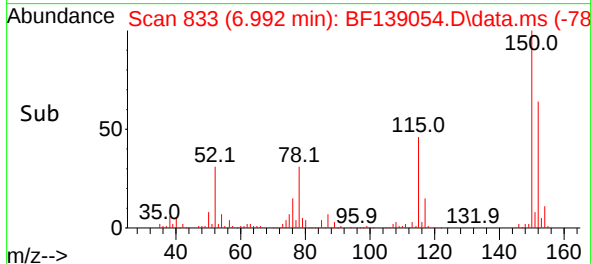
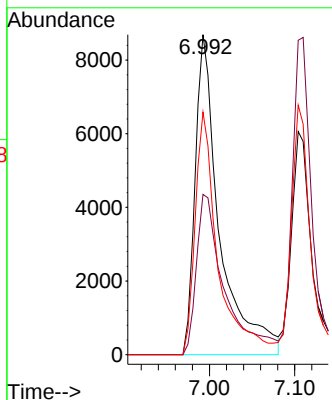
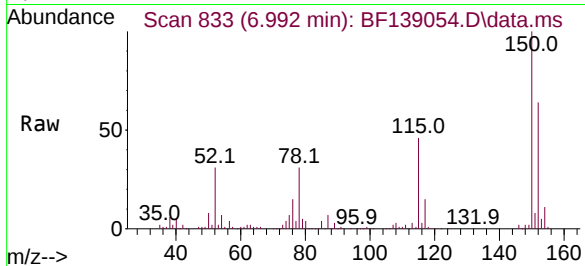




#15
Benzyl Alcohol
Concen: 5.293 ng
RT: 6.992 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

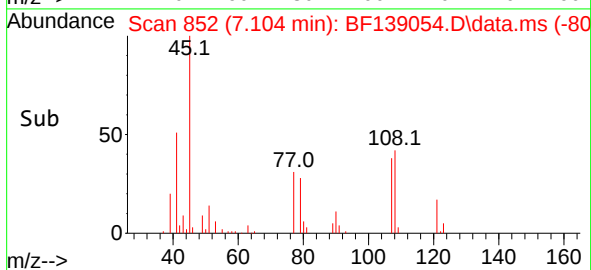
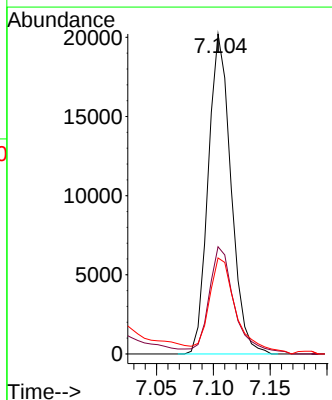
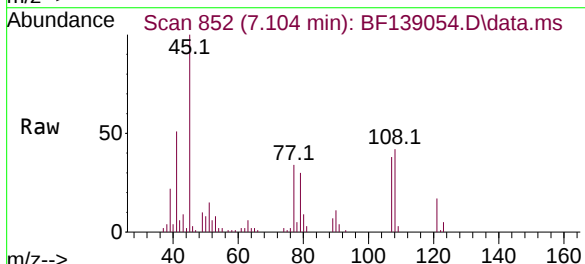
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

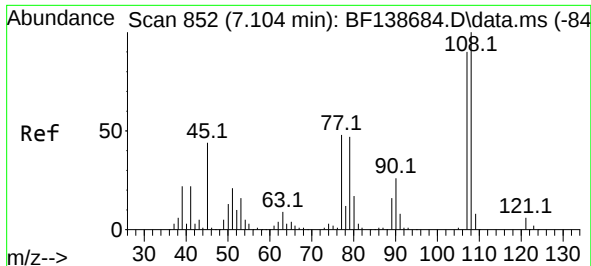
Tgt Ion: 79 Resp: 17347
Ion Ratio Lower Upper
79 100
108 50.1 56.6 85.0#
77 75.8 50.3 75.5#



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.442 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.018 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion: 45 Resp: 28164
Ion Ratio Lower Upper
45 100
77 33.5 0.0 34.9
79 30.0 0.0 32.2

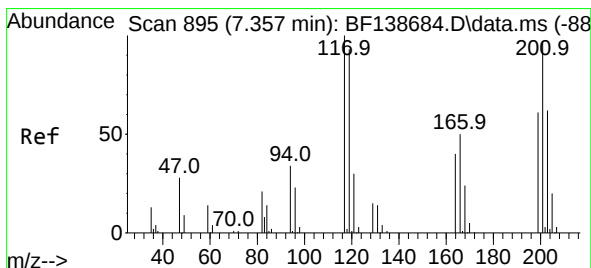
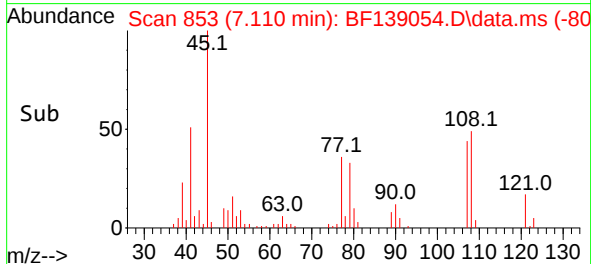
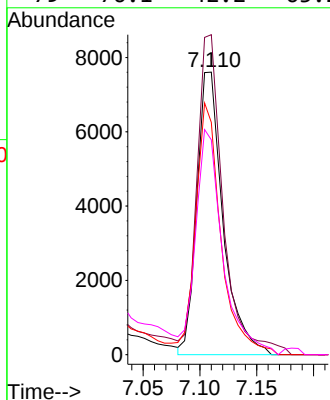
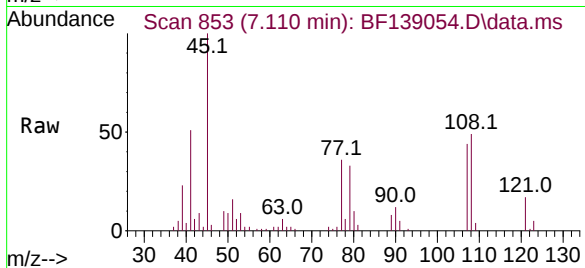




#17
2-Methylphenol
Concen: 4.154 ng
RT: 7.110 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

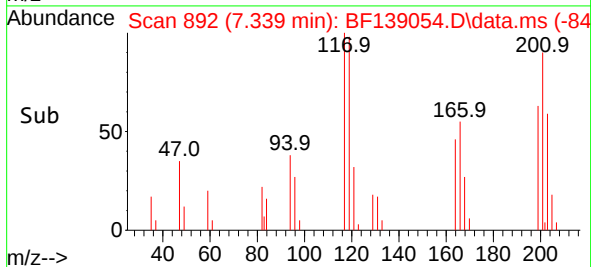
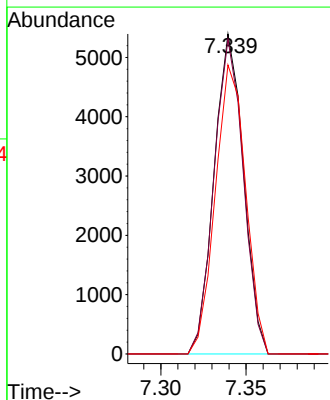
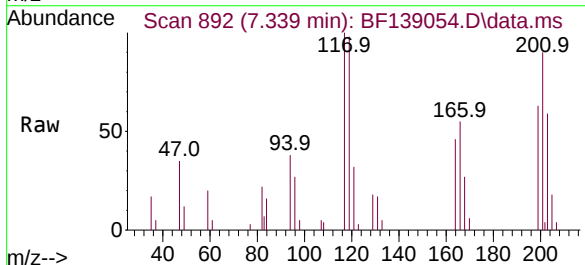
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

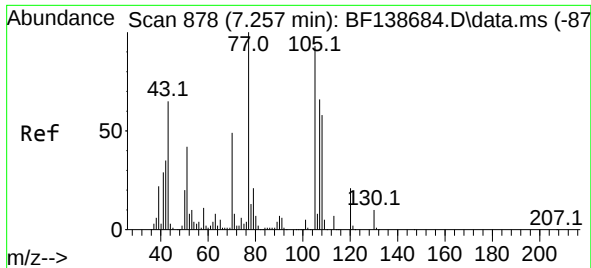
Tgt Ion:	107	Resp:	12224
Ion	Ratio	Lower	Upper
107	100		
108	113.3	89.2	133.8
77	82.3	43.0	64.4#
79	76.1	42.2	63.2#



#18
Hexachloroethane
Concen: 4.270 ng
RT: 7.339 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion:	117	Resp:	6470
Ion	Ratio	Lower	Upper
117	100		
119	98.3	74.6	111.8
201	90.3	77.2	115.8

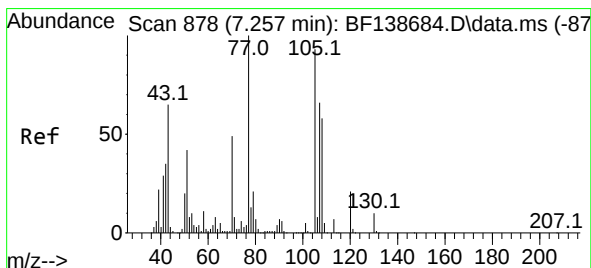
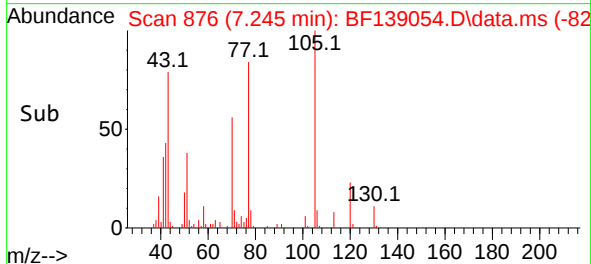
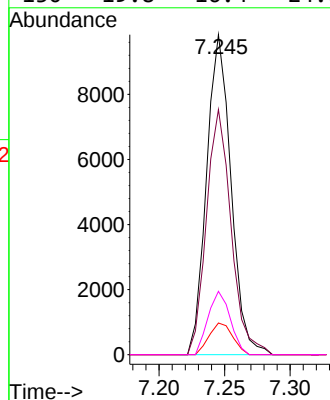
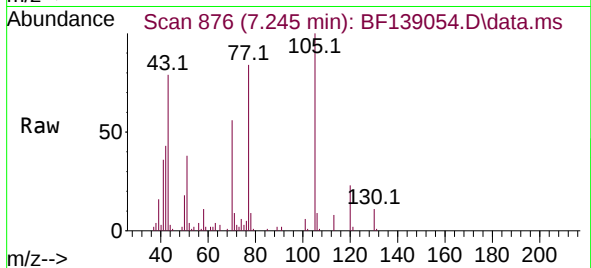




#19
n-Nitroso-di-n-propylamine
Concen: 4.646 ng
RT: 7.245 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

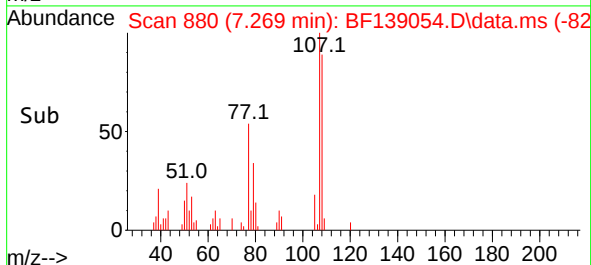
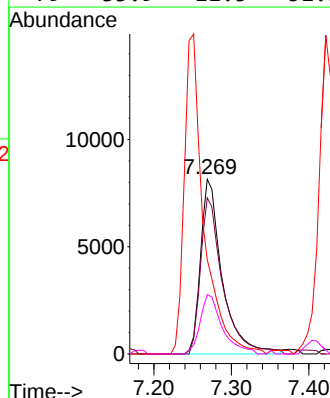
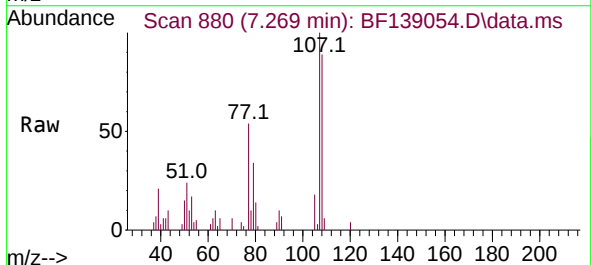
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

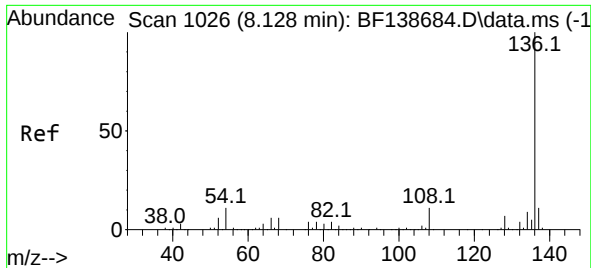
Tgt Ion:	70	Resp:	12760
Ion	Ratio	Lower	Upper
70	100		
42	76.6	57.4	86.0
101	9.9	7.5	11.3
130	19.8	16.4	24.6



#20
3+4-Methylphenols
Concen: 4.188 ng
RT: 7.269 min Scan# 880
Delta R.T. 0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

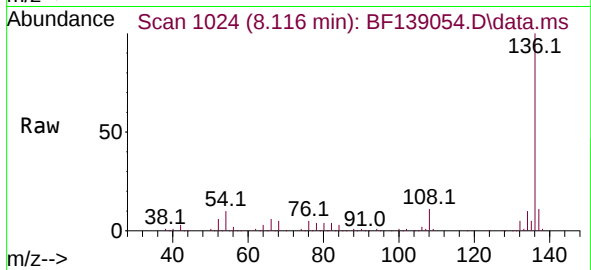
Tgt Ion:	107	Resp:	15811
Ion	Ratio	Lower	Upper
107	100		
108	89.4	68.2	108.2
77	54.0	132.1	172.1#
79	33.9	11.5	51.5



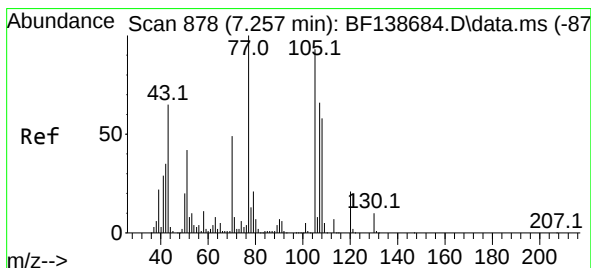
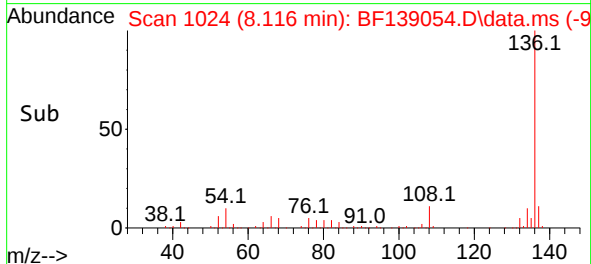
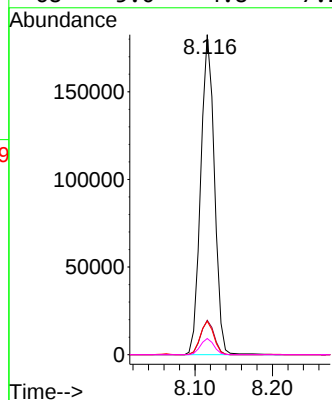


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

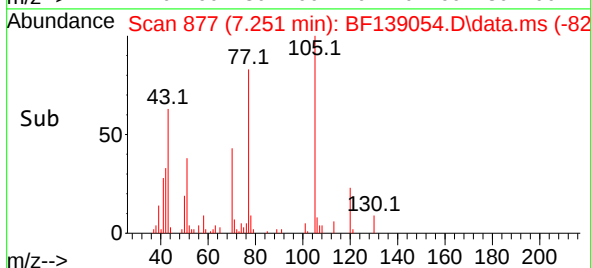
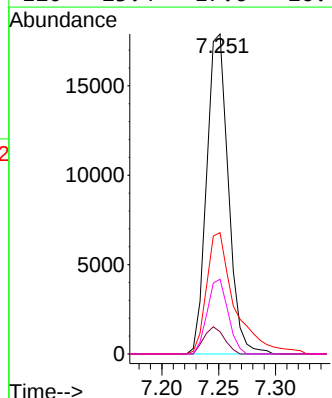
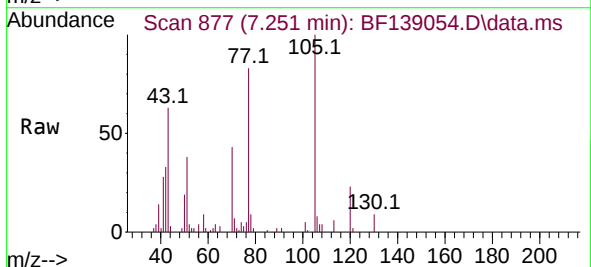


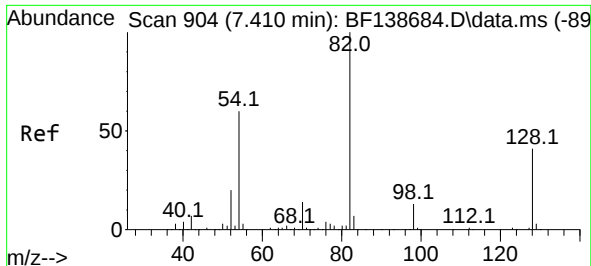
Tgt Ion:136 Resp: 223785
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 10.4 8.6 12.8
68 5.0 4.8 7.2



#22
Acetophenone
Concen: 4.332 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion:105 Resp: 23736
Ion Ratio Lower Upper
105 100
71 7.0 7.2 10.8#
51 37.9 35.9 53.9
120 23.4 17.6 26.4

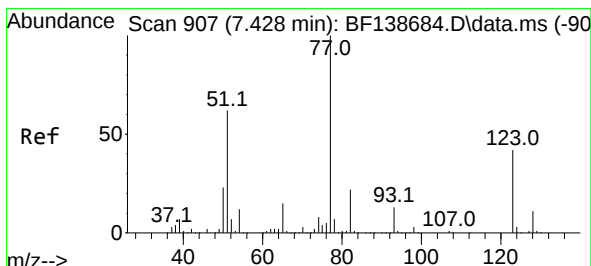
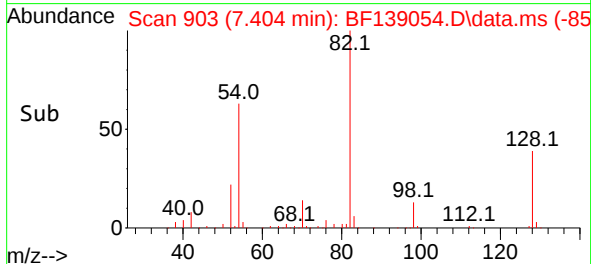
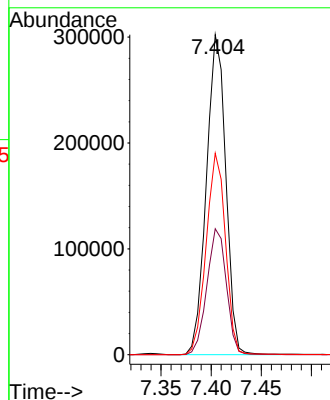
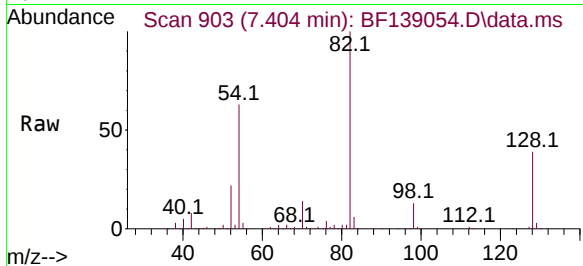




#23
Nitrobenzene-d5
Concen: 89.103 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

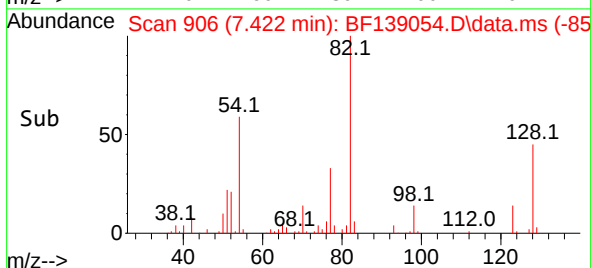
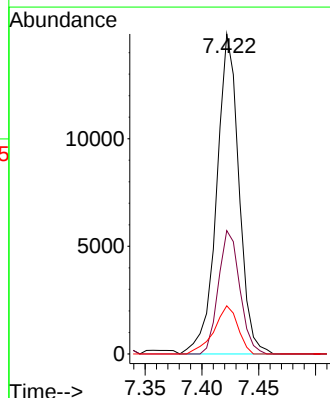
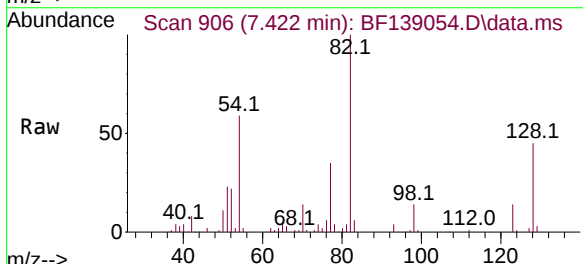
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

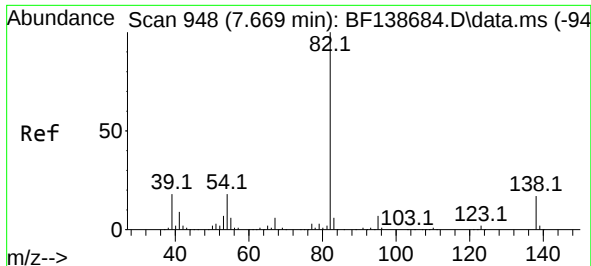
Tgt Ion: 82 Resp: 407842
Ion Ratio Lower Upper
82 100
128 39.4 32.8 49.2
54 63.0 48.3 72.5



#24
Nitrobenzene
Concen: 4.366 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion: 77 Resp: 20337
Ion Ratio Lower Upper
77 100
123 38.6 33.3 49.9
65 15.1 11.9 17.9

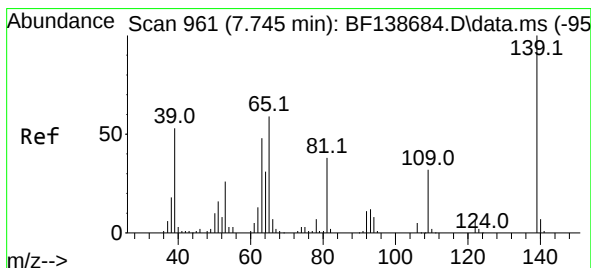
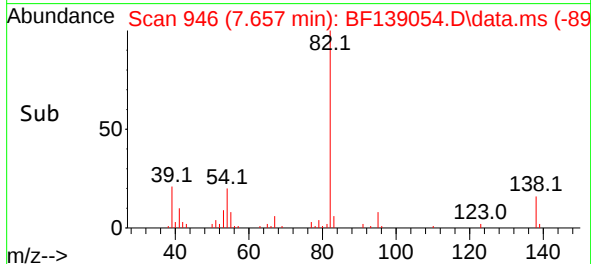
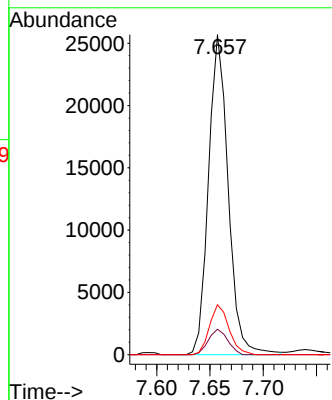
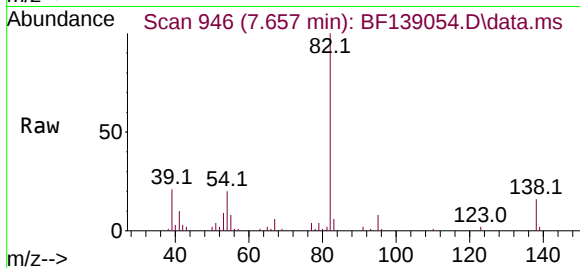




#25
Isophorone
Concen: 4.221 ng
RT: 7.657 min Scan# 946
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

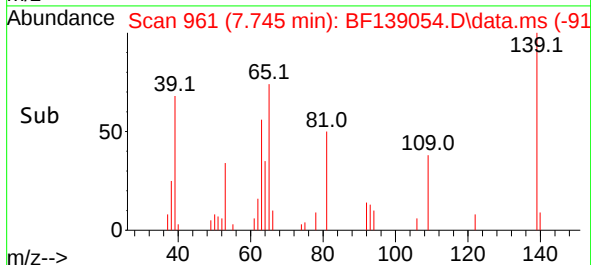
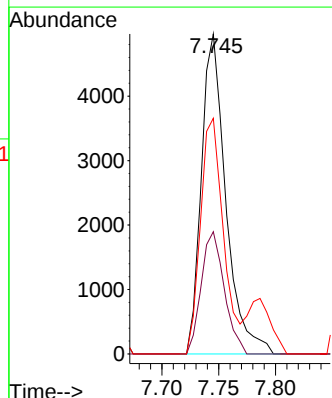
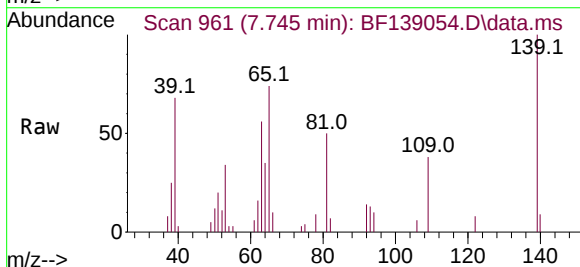
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

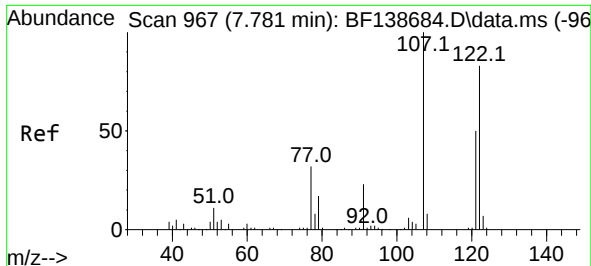
Tgt Ion: 82 Resp: 32991
Ion Ratio Lower Upper
82 100
95 7.9 5.7 8.5
138 15.6 13.7 20.5



#26
2-Nitrophenol
Concen: 3.705 ng
RT: 7.745 min Scan# 961
Delta R.T. -0.000 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion: 139 Resp: 7424
Ion Ratio Lower Upper
139 100
109 38.2 25.9 38.9
65 73.7 47.0 70.6

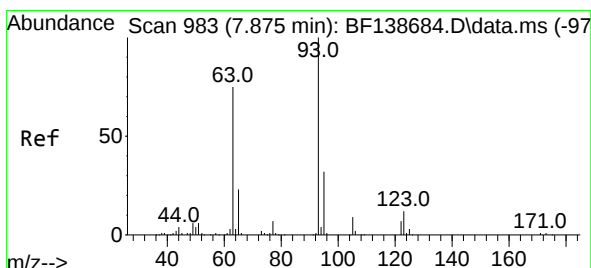
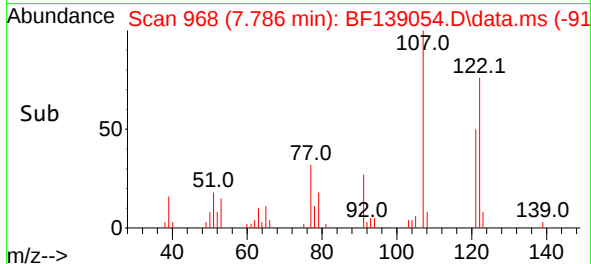
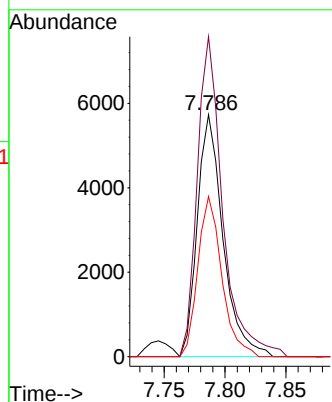
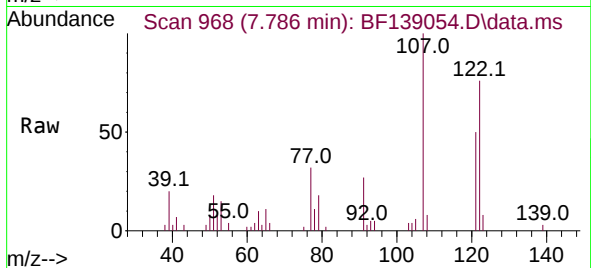




#27
2,4-Dimethylphenol
Concen: 3.510 ng
RT: 7.786 min Scan# 90
Delta R.T. 0.006 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

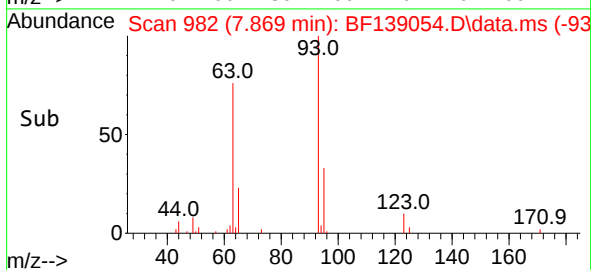
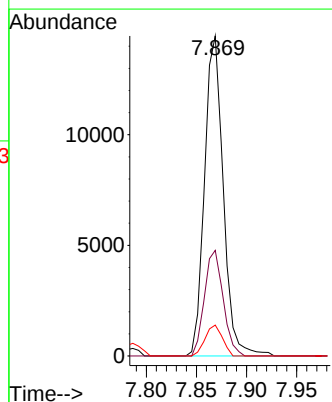
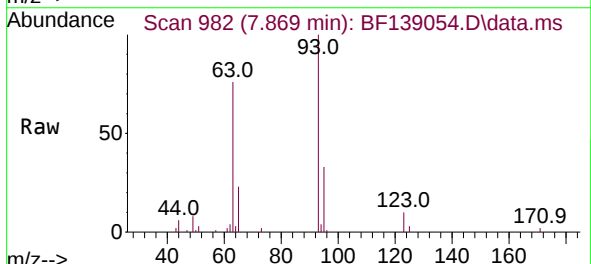
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

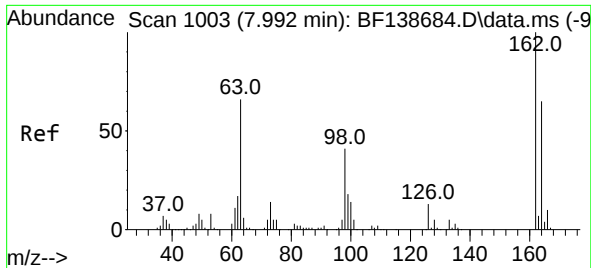
Tgt Ion:122 Resp: 8416
Ion Ratio Lower Upper
122 100
107 132.3 95.0 142.6
121 66.2 47.3 70.9



#28
bis(2-Chloroethoxy)methane
Concen: 3.960 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion: 93 Resp: 18848
Ion Ratio Lower Upper
93 100
95 33.0 25.8 38.8
123 9.6 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 4.015 ng

RT: 8.010 min Scan# 1006

Delta R.T. 0.018 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

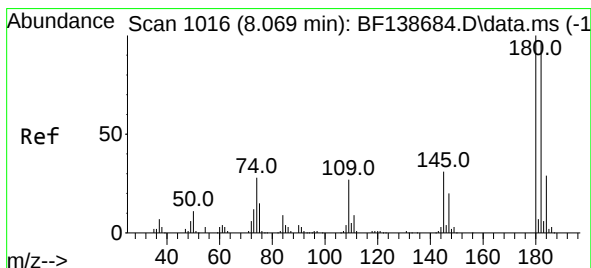
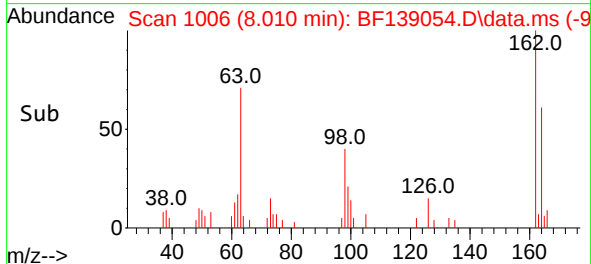
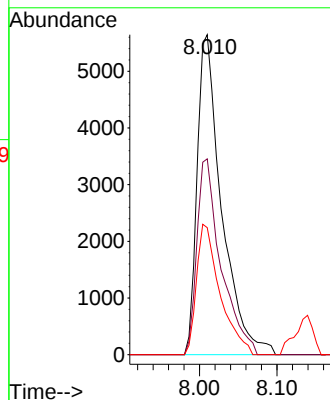
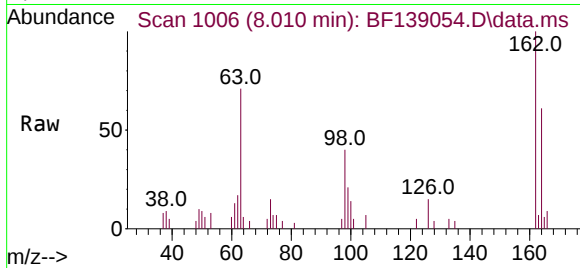
Tgt Ion:162 Resp: 12368

Ion Ratio Lower Upper

162 100

164 61.2 44.7 84.7

98 39.7 20.8 60.8



#30

1,2,4-Trichlorobenzene

Concen: 4.009 ng

RT: 8.057 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

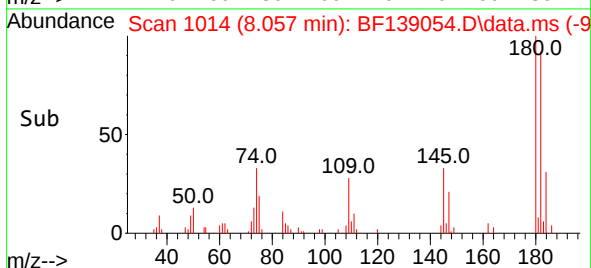
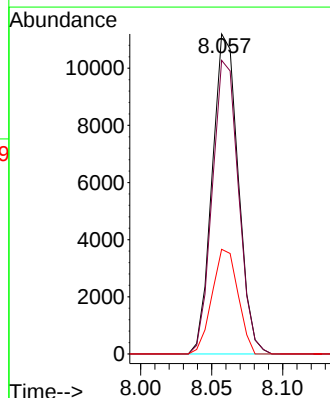
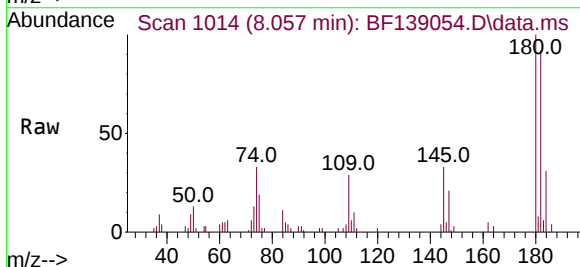
Tgt Ion:180 Resp: 14254

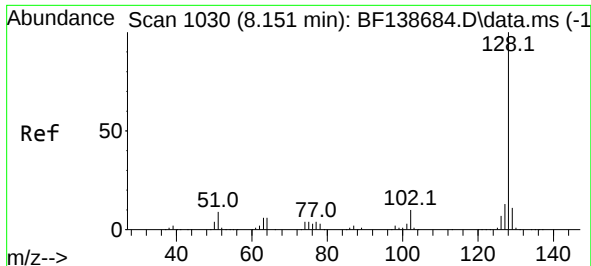
Ion Ratio Lower Upper

180 100

182 91.7 76.9 115.3

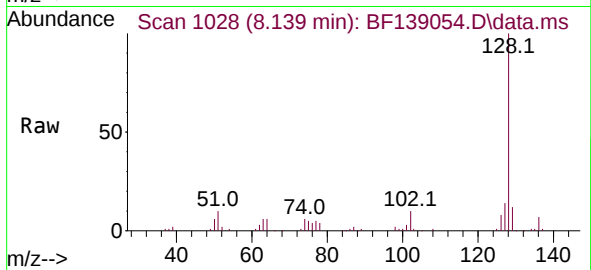
145 32.7 25.0 37.4



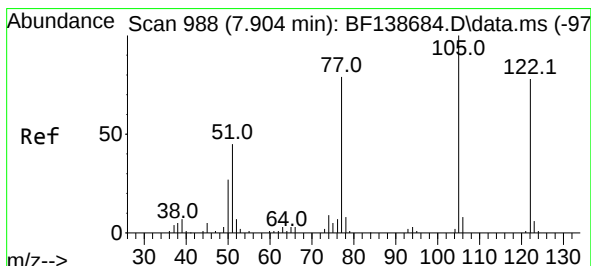
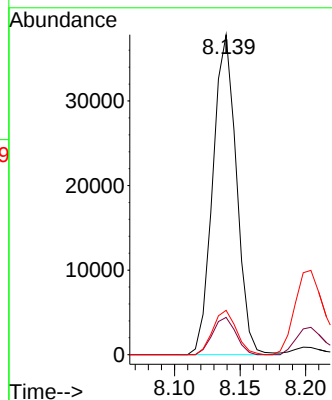
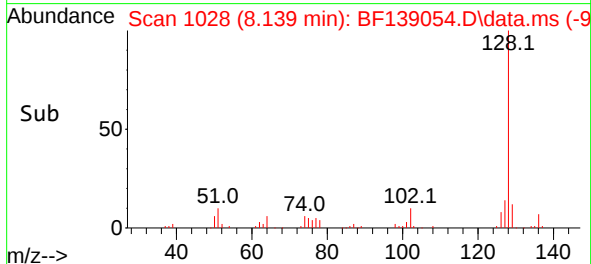


#31
Naphthalene
Concen: 4.023 ng
RT: 8.139 min Scan# 1028
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

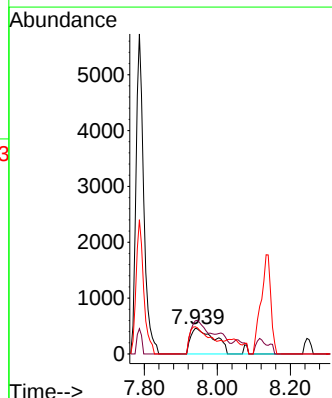
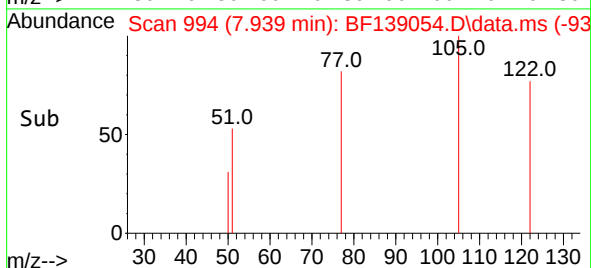
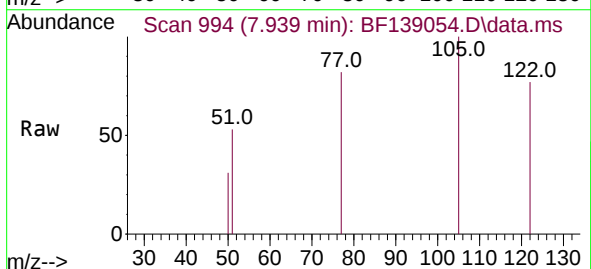


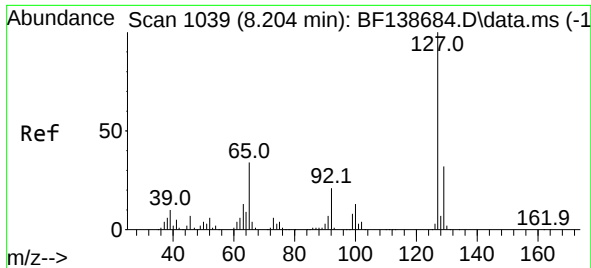
Tgt Ion:128 Resp: 47393
Ion Ratio Lower Upper
128 100
129 11.7 8.7 13.1
127 13.9 10.6 16.0



#32
Benzoic acid
Concen: 1.138 ng m
RT: 7.939 min Scan# 994
Delta R.T. 0.035 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion:122 Resp: 2145
Ion Ratio Lower Upper
122 100
105 129.5 106.7 146.7
77 106.8 81.1 121.1

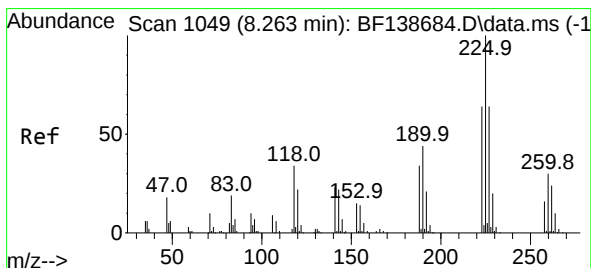
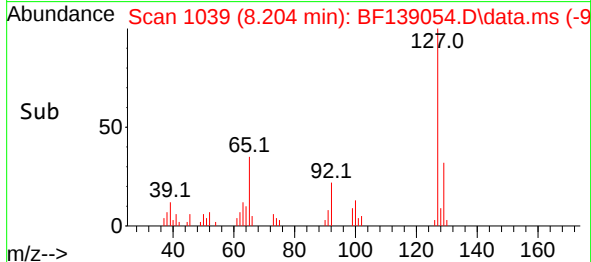
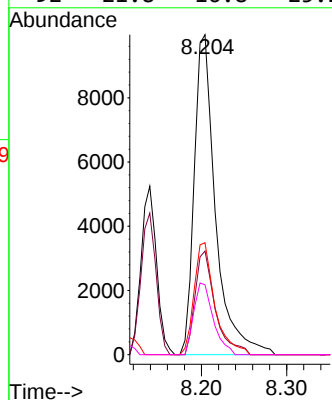
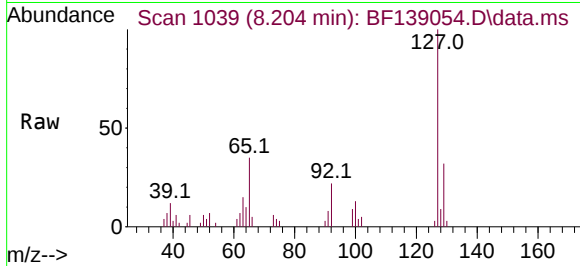




#33
4-Chloroaniline
Concen: 4.384 ng
RT: 8.204 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

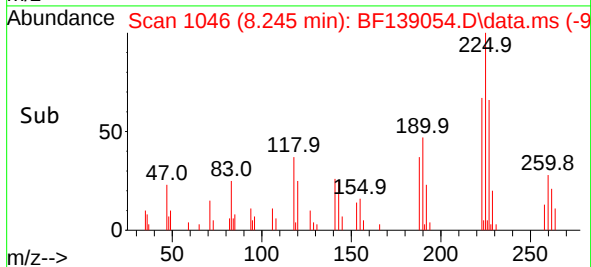
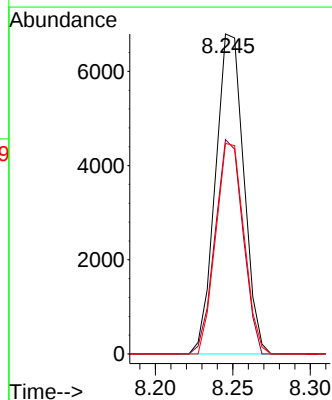
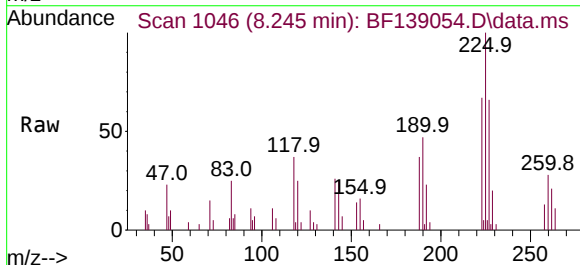
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

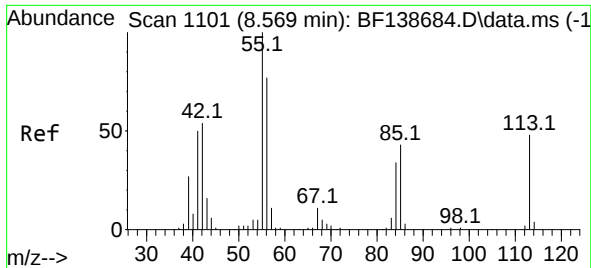
Tgt Ion:	127	Resp:	17336
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.9	38.9
65	35.0	27.6	41.4
92	21.8	16.8	25.2



#34
Hexachlorobutadiene
Concen: 4.008 ng
RT: 8.245 min Scan# 1046
Delta R.T. -0.018 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion:	225	Resp:	8630
Ion	Ratio	Lower	Upper
225	100		
223	67.0	51.2	76.8
227	65.8	51.1	76.7

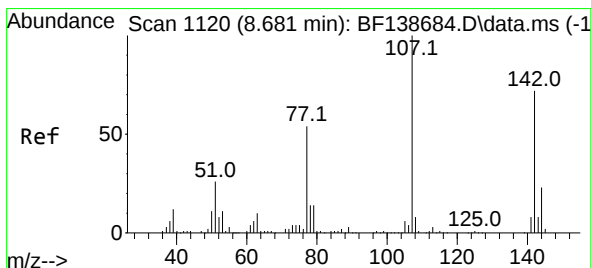
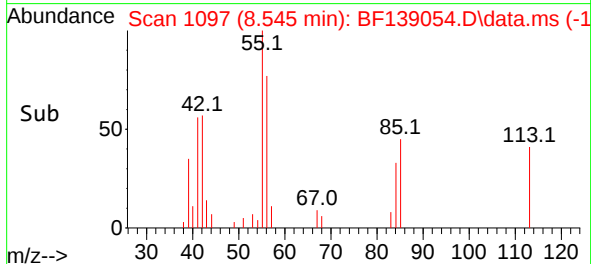
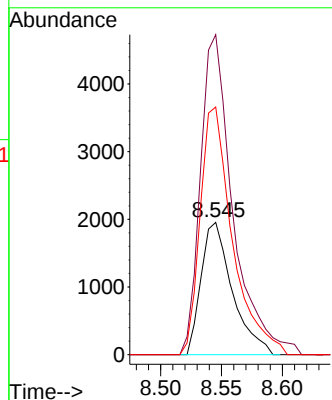
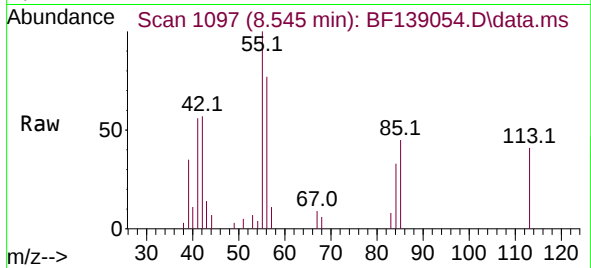




#35
Caprolactam
Concen: 3.799 ng
RT: 8.545 min Scan# 1101
Delta R.T. -0.024 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

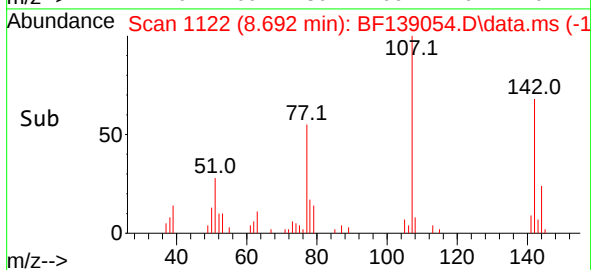
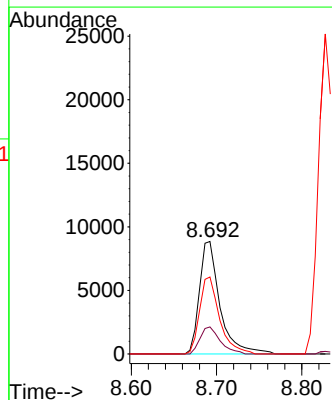
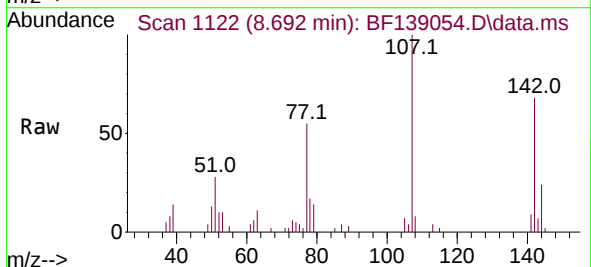
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

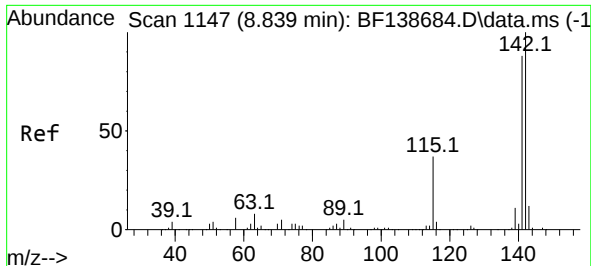
Tgt Ion:113 Resp: 3492
Ion Ratio Lower Upper
113 100
55 241.8 186.7 226.7#
56 187.1 138.9 178.9#



#36
4-Chloro-3-methylphenol
Concen: 4.207 ng
RT: 8.692 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion:107 Resp: 14814
Ion Ratio Lower Upper
107 100
144 24.1 18.2 27.2
142 68.3 57.4 86.2

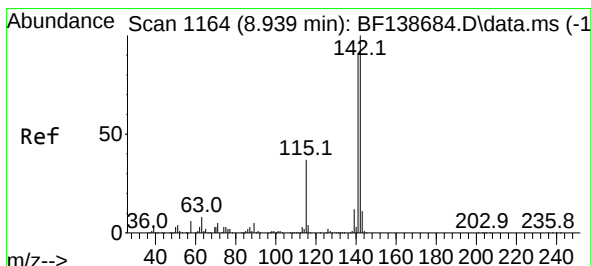
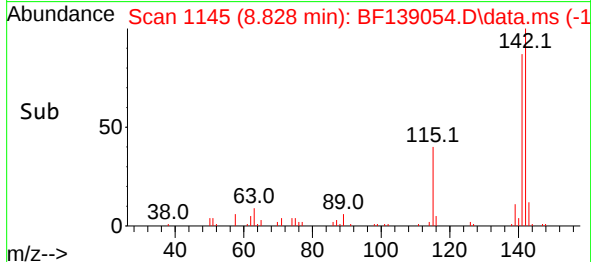
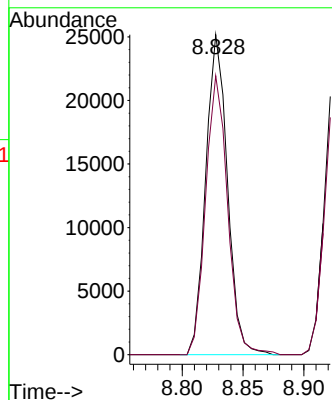
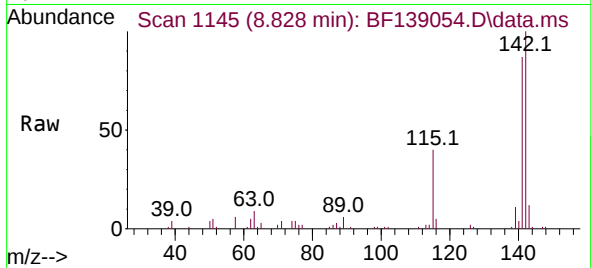




#37
2-Methylnaphthalene
Concen: 4.198 ng
RT: 8.828 min Scan# 1145
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

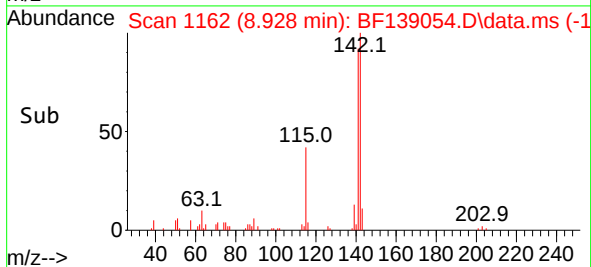
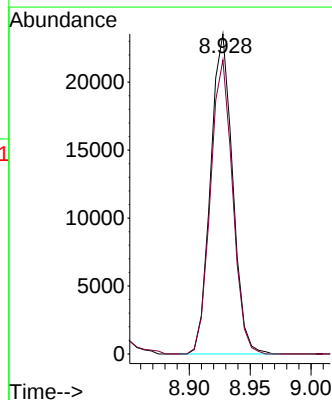
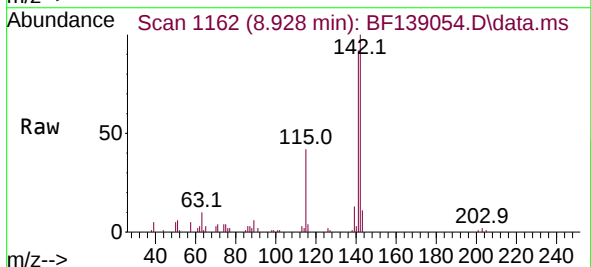
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

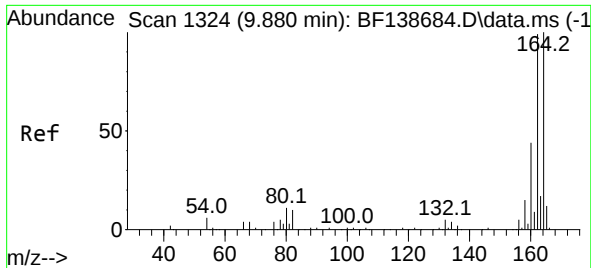
Tgt Ion:142 Resp: 31231
Ion Ratio Lower Upper
142 100
141 87.1 70.8 106.2



#38
1-Methylnaphthalene
Concen: 4.072 ng
RT: 8.928 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion:142 Resp: 29687
Ion Ratio Lower Upper
142 100
141 91.9 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1173

Delta R.T. -0.011 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

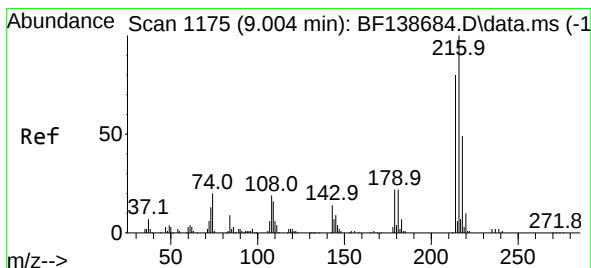
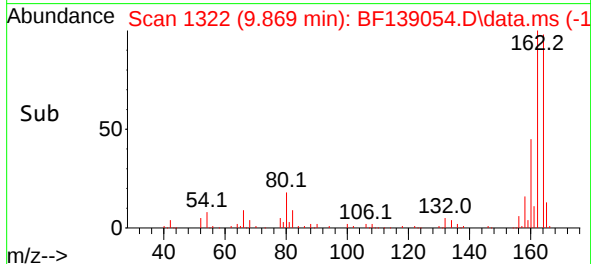
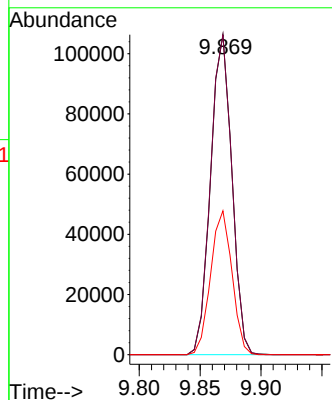
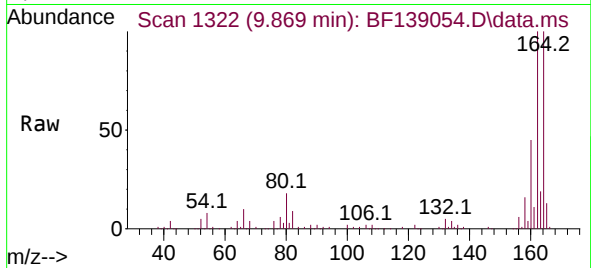
Tgt Ion:164 Resp: 129230

Ion Ratio Lower Upper

164 100

162 99.9 79.4 119.0

160 45.0 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.361 ng

RT: 8.992 min Scan# 1173

Delta R.T. -0.012 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

Tgt Ion:216 Resp: 15657

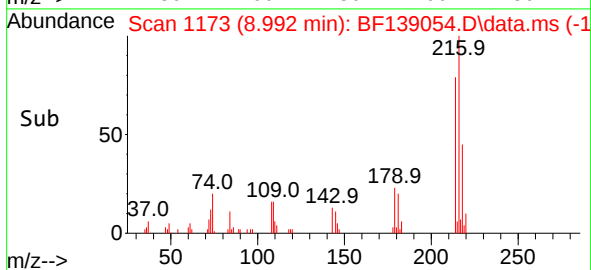
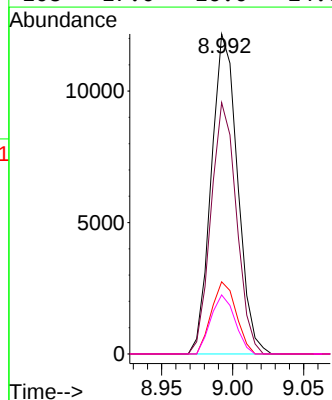
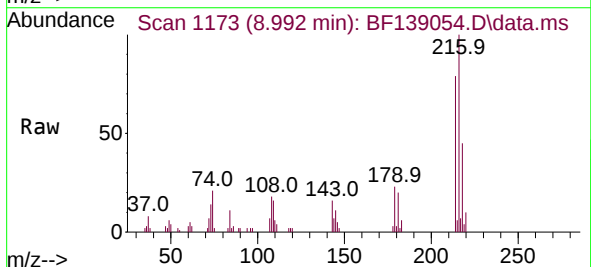
Ion Ratio Lower Upper

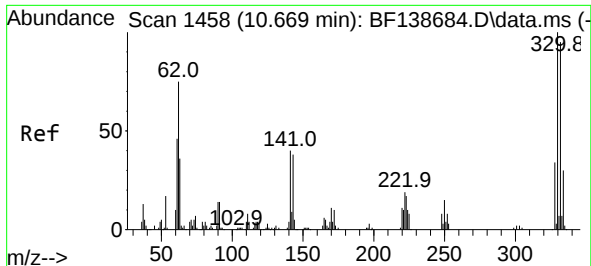
216 100

214 76.2 63.9 95.9

179 21.2 17.8 26.6

108 17.0 16.0 24.0





#42

2,4,6-Tribromophenol

Concen: 140.797 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF139054.D

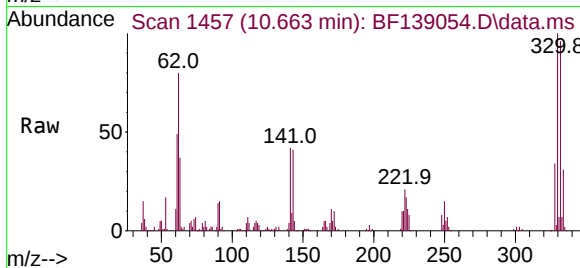
Acq: 16 Aug 2024 13:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



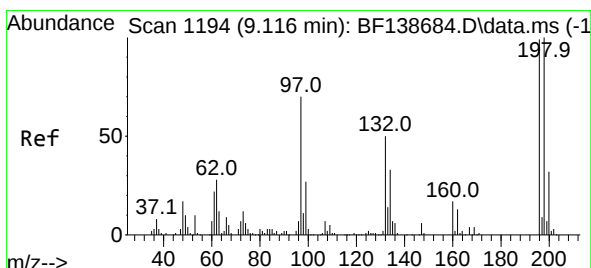
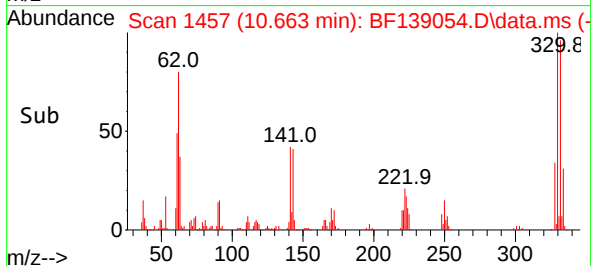
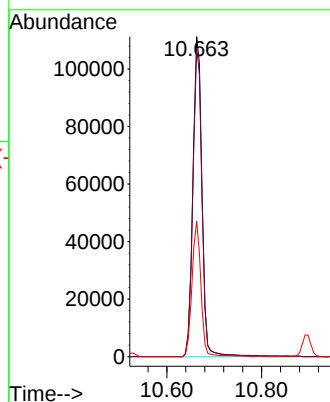
Tgt Ion:330 Resp: 149043

Ion Ratio Lower Upper

330 100

332 95.7 76.4 114.6

141 41.4 31.1 46.7



#43

2,4,6-Trichlorophenol

Concen: 3.469 ng

RT: 9.122 min Scan# 1195

Delta R.T. 0.006 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

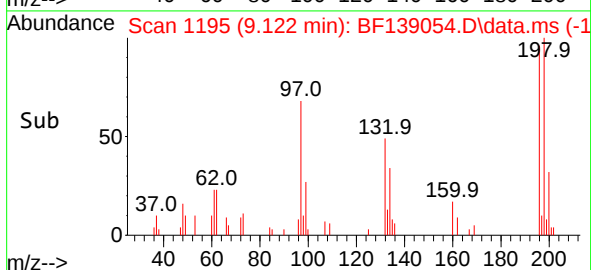
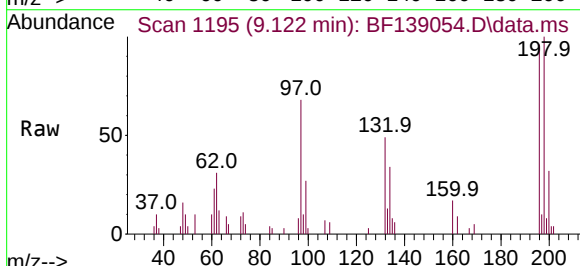
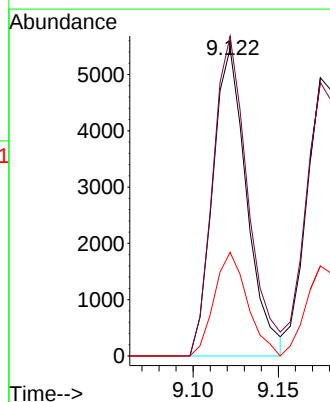
Tgt Ion:196 Resp: 7592

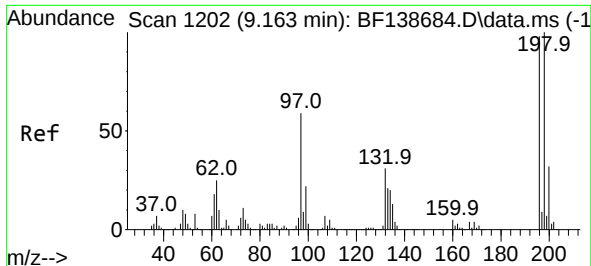
Ion Ratio Lower Upper

196 100

198 104.1 80.5 120.7

200 33.7 25.9 38.9

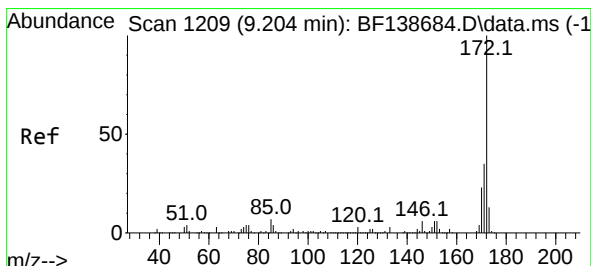
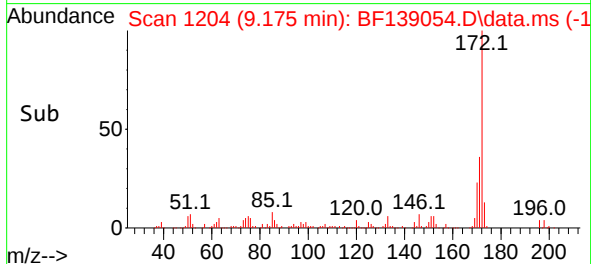
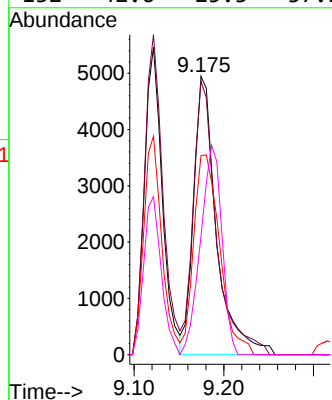
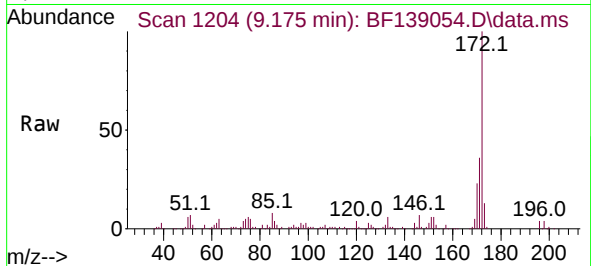




#44
2,4,5-Trichlorophenol
Concen: 3.671 ng
RT: 9.175 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

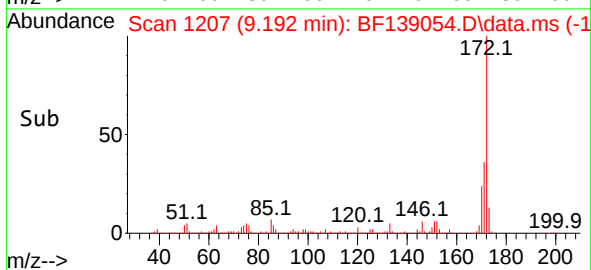
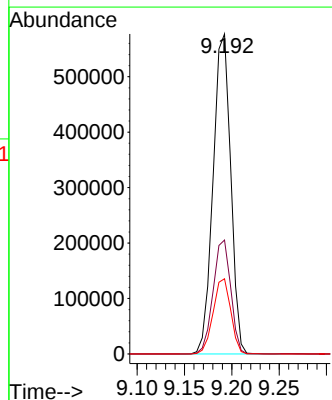
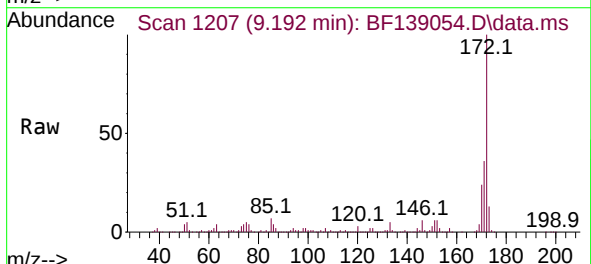
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

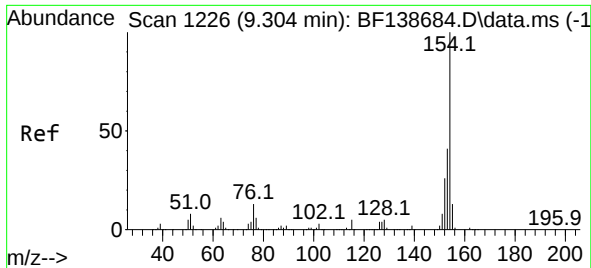
Tgt Ion:196 Resp: 8783
Ion Ratio Lower Upper
196 100
198 98.3 81.2 121.8
97 71.6 47.8 71.6
132 42.6 25.3 37.9#



#45
2-Fluorobiphenyl
Concen: 86.780 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion:172 Resp: 746397
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 23.5 18.8 28.2

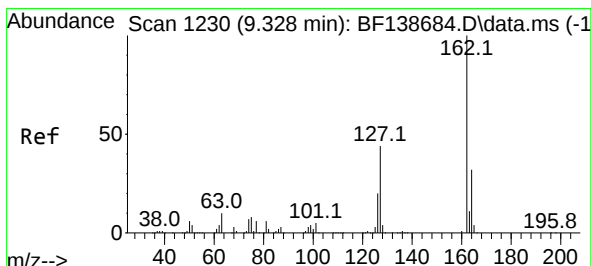
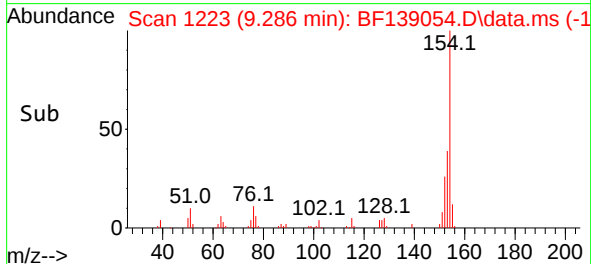
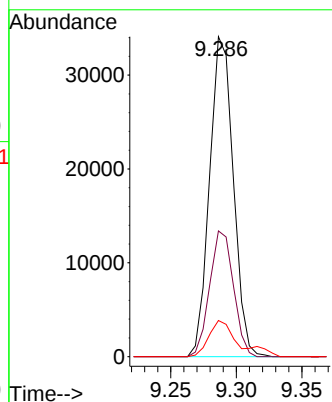
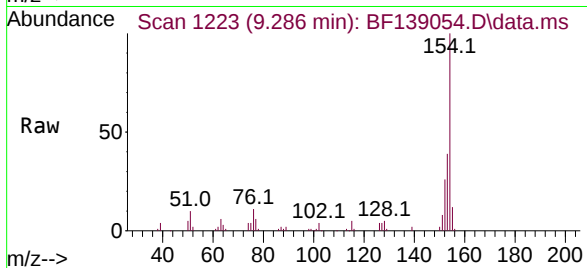




#46
1,1'-Biphenyl
Concen: 4.239 ng
RT: 9.286 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

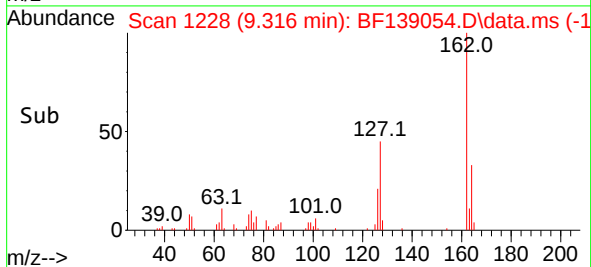
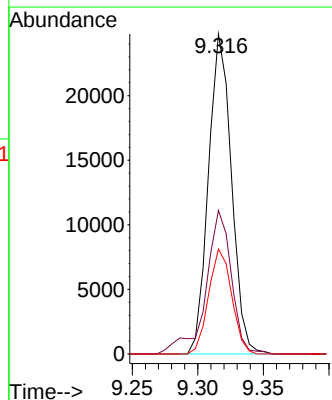
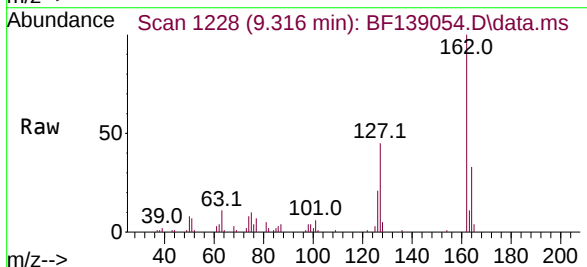
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

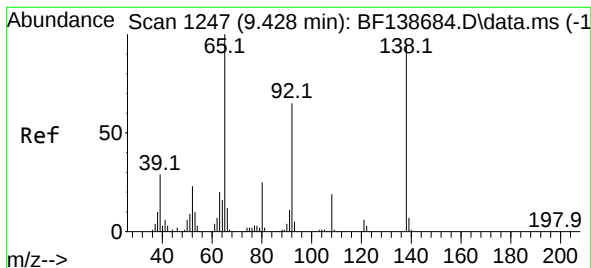
Tgt Ion:154 Resp: 42906
Ion Ratio Lower Upper
154 100
153 39.3 20.8 60.8
76 11.3 0.0 32.8



#47
2-Chloronaphthalene
Concen: 4.018 ng
RT: 9.316 min Scan# 1228
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion:162 Resp: 30244
Ion Ratio Lower Upper
162 100
127 44.8 35.4 53.2
164 32.8 25.6 38.4





#48

2-Nitroaniline

Concen: 4.182 ng

RT: 9.428 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

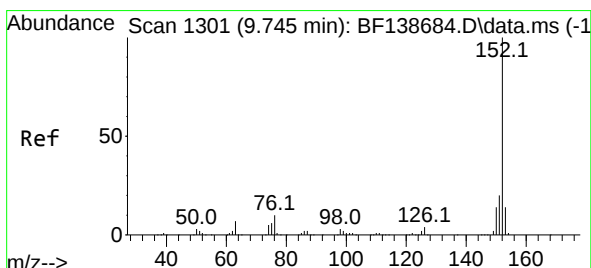
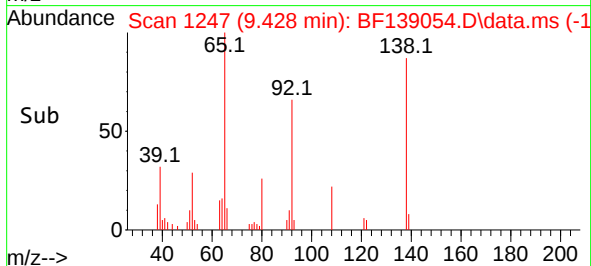
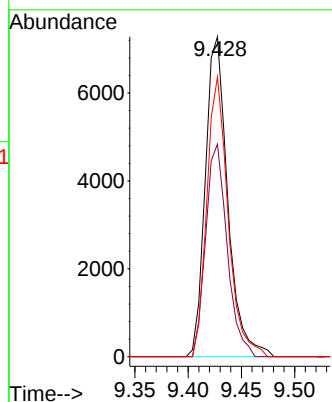
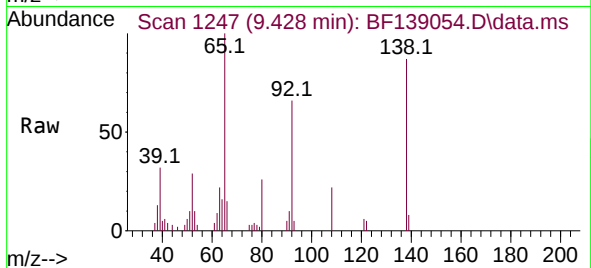
Tgt Ion: 65 Resp: 10671

Ion Ratio Lower Upper

65 100

92 66.5 52.0 78.0

138 87.5 76.2 114.4



#49

Acenaphthylene

Concen: 4.409 ng

RT: 9.727 min Scan# 1298

Delta R.T. -0.018 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

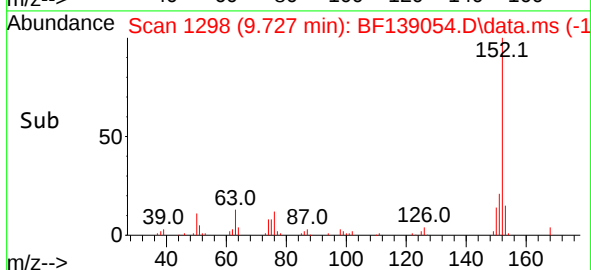
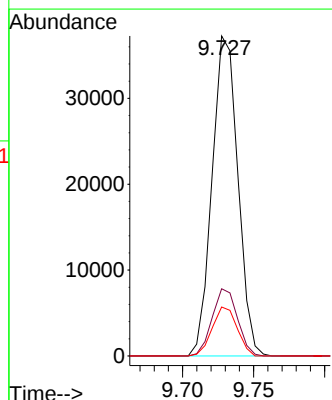
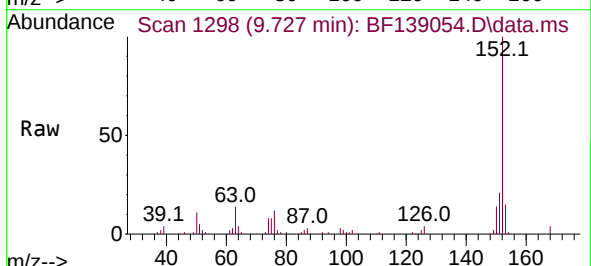
Tgt Ion: 152 Resp: 47069

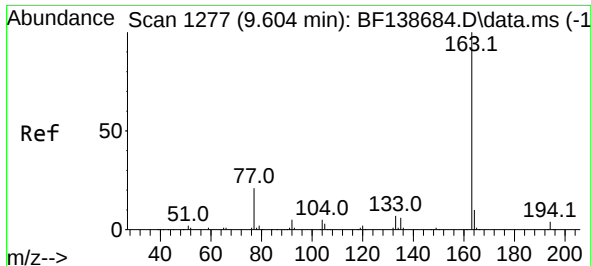
Ion Ratio Lower Upper

152 100

151 21.0 16.0 24.0

153 15.3 11.0 16.4

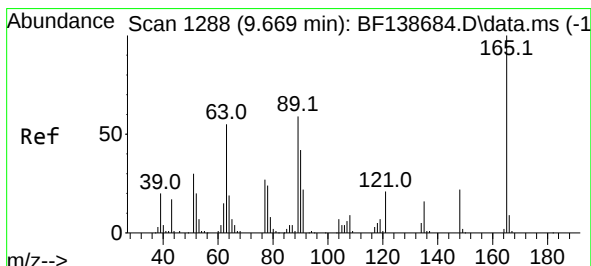
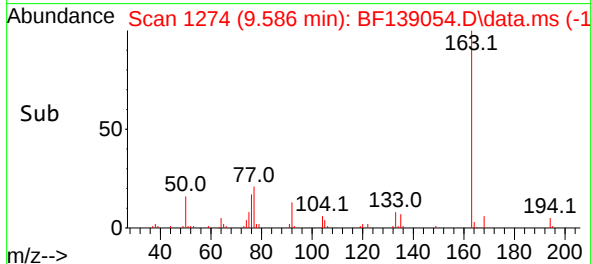
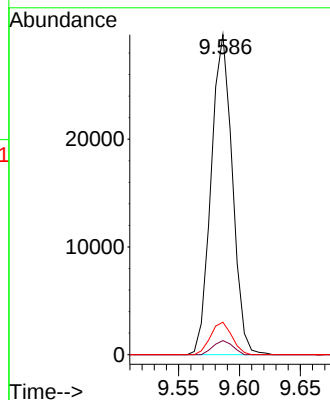
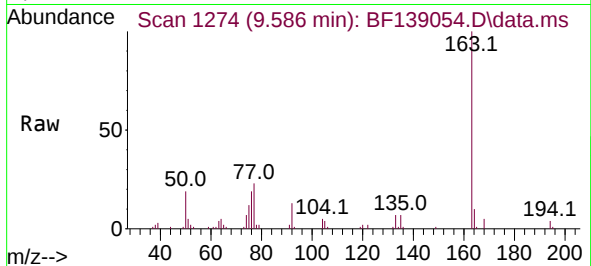




#50
Dimethylphthalate
Concen: 4.351 ng
RT: 9.586 min Scan# 1274
Delta R.T. -0.018 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

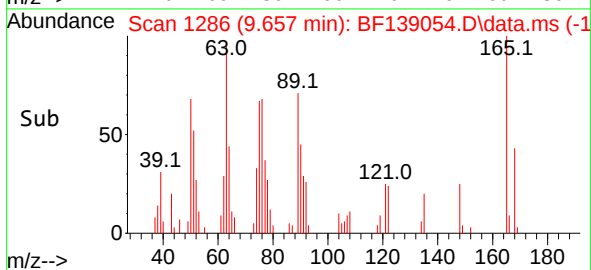
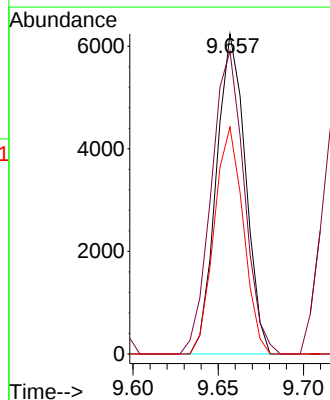
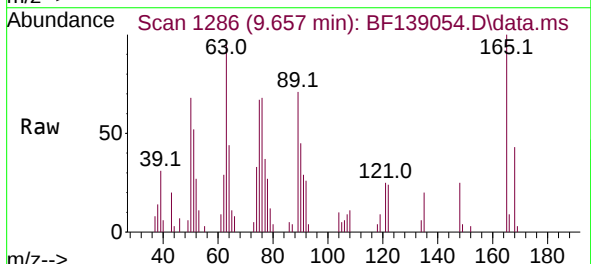
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

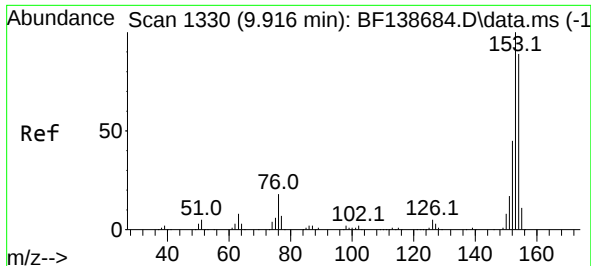
Tgt Ion:163 Resp: 35956
Ion Ratio Lower Upper
163 100
194 4.4 3.1 4.7
164 10.2 7.8 11.8



#51
2,6-Dinitrotoluene
Concen: 3.976 ng
RT: 9.657 min Scan# 1286
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion:165 Resp: 7414
Ion Ratio Lower Upper
165 100
63 94.7 52.0 78.0#
89 70.9 47.0 70.6#

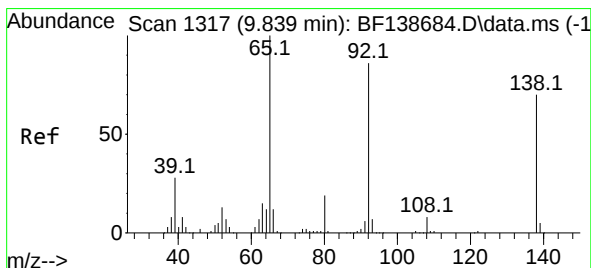
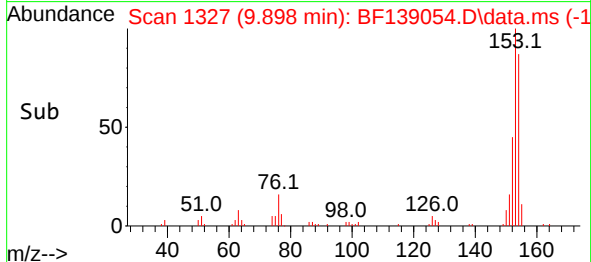
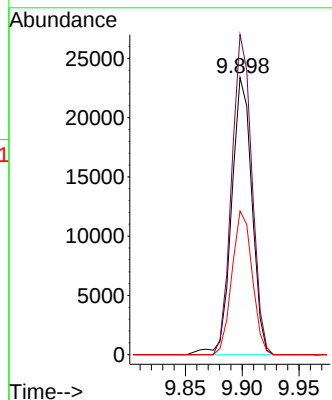
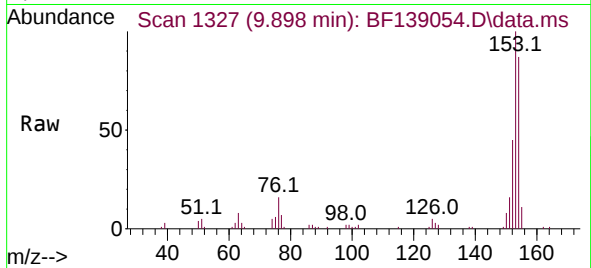




#52
Acenaphthene
Concen: 4.043 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.018 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

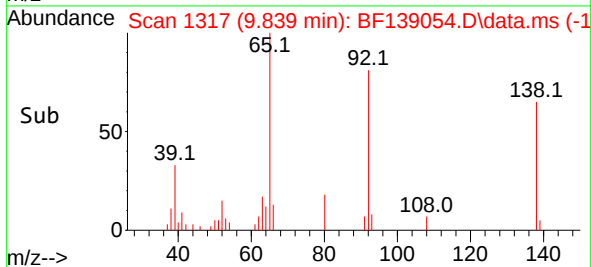
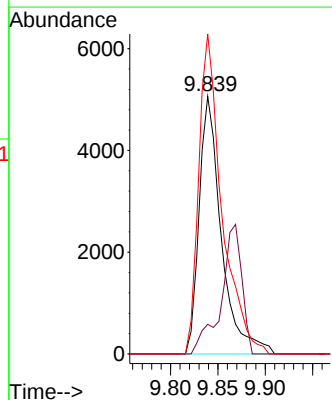
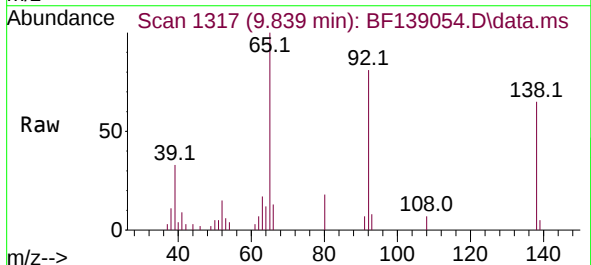
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

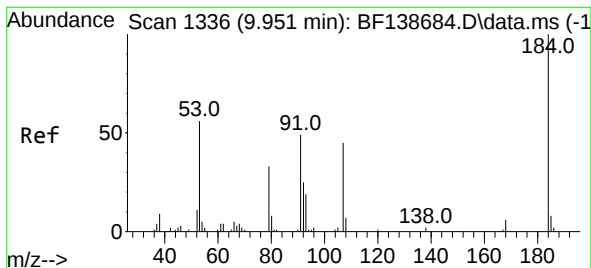
Tgt Ion:154	Resp:	29012
Ion Ratio	Lower	Upper
154	100	
153	115.5	89.9 134.9
152	51.8	40.6 60.8



#53
3-Nitroaniline
Concen: 4.264 ng
RT: 9.839 min Scan# 1317
Delta R.T. -0.000 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion:138	Resp:	8221
Ion Ratio	Lower	Upper
138	100	
108	11.5	9.1 13.7
92	124.2	98.7 148.1





#54

2,4-Dinitrophenol

Concen: 0.712 ng

RT: 9.998 min Scan# 1

Delta R.T. 0.047 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

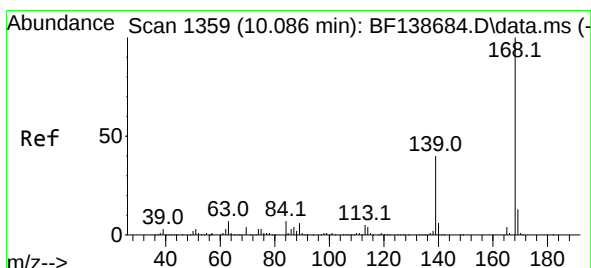
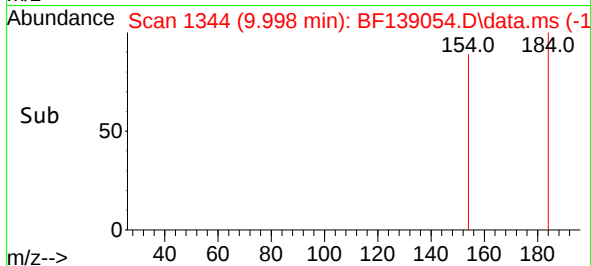
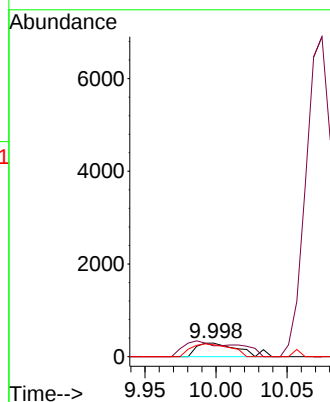
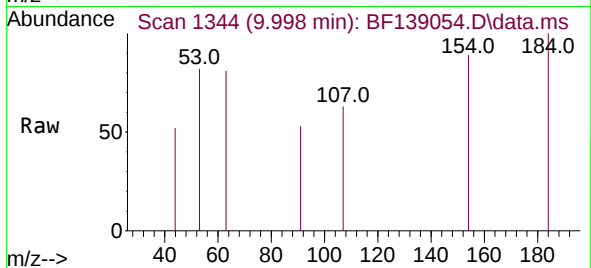
Tgt Ion:184 Resp: 611

Ion Ratio Lower Upper

184 100

63 80.8 57.5 86.3

154 89.0 51.7 77.5#



#55

Dibenzofuran

Concen: 4.474 ng

RT: 10.075 min Scan# 1357

Delta R.T. -0.012 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

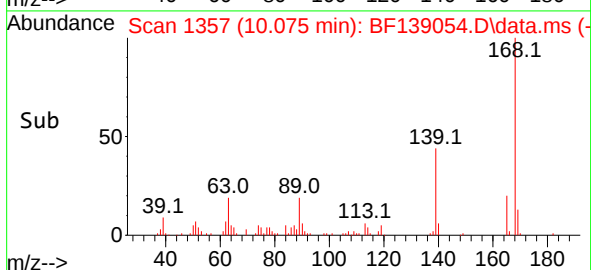
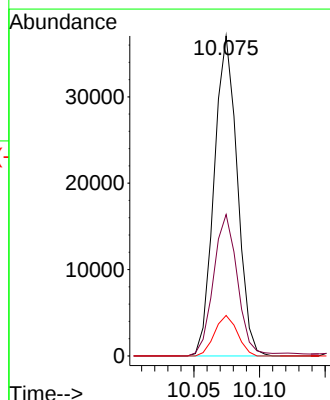
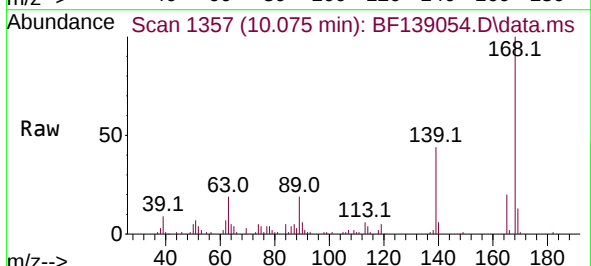
Tgt Ion:168 Resp: 45324

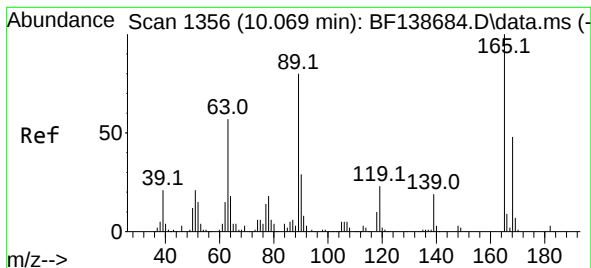
Ion Ratio Lower Upper

168 100

139 44.2 32.6 49.0

169 12.7 10.7 16.1

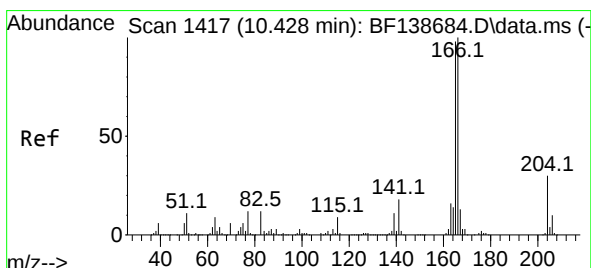
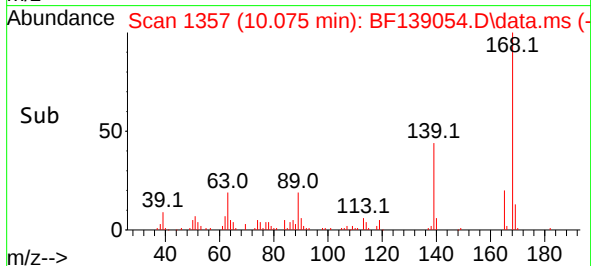
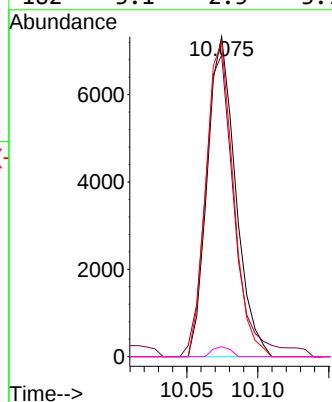
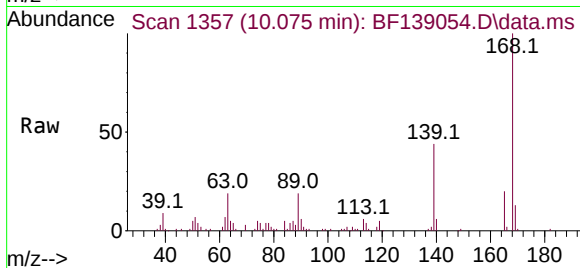




#57
2,4-Dinitrotoluene
Concen: 4.273 ng
RT: 10.075 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

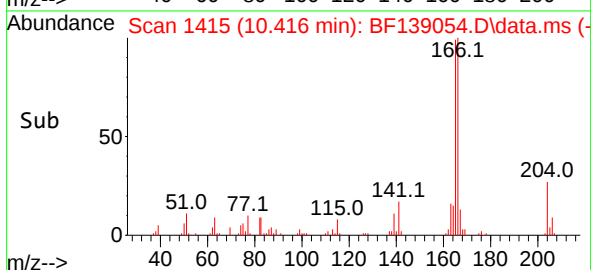
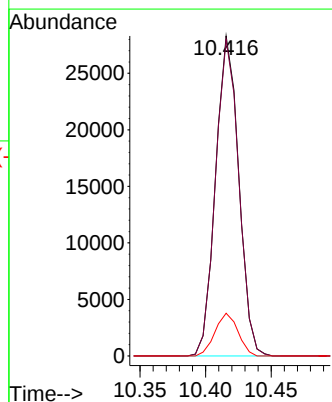
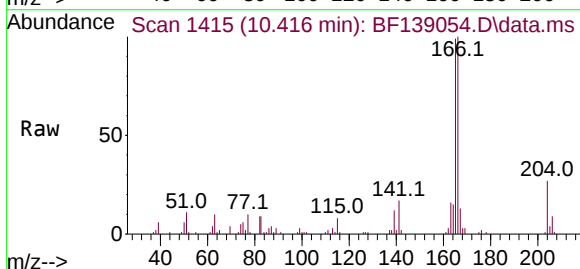
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

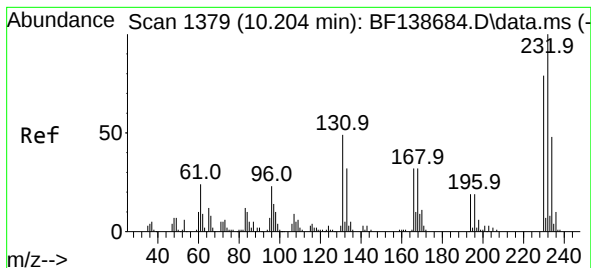
Tgt Ion:	165	Resp:	10166
Ion	Ratio	Lower	Upper
165	100		
63	94.2	46.3	69.5#
89	98.4	64.2	96.4#
182	3.1	2.5	3.7



#58
Fluorene
Concen: 4.305 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion:	166	Resp:	34731
Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.4	117.6
167	13.4	10.6	16.0

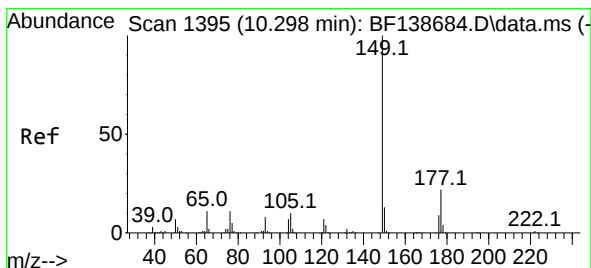
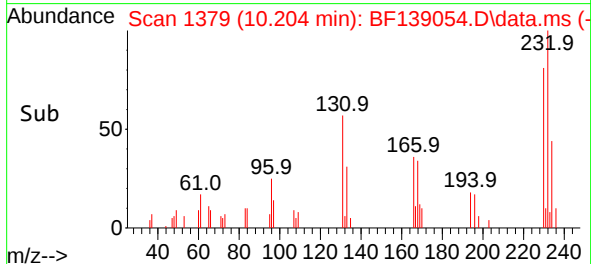
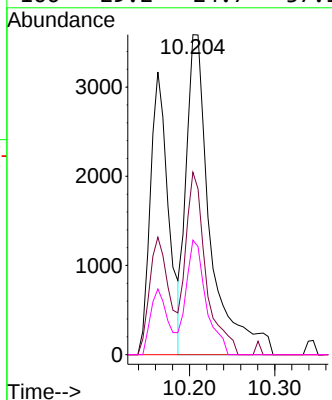
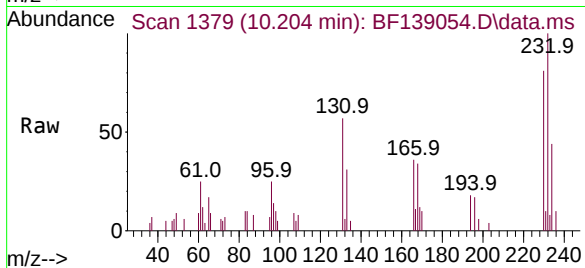




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.862 ng
RT: 10.204 min Scan# 1379
Delta R.T. -0.000 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

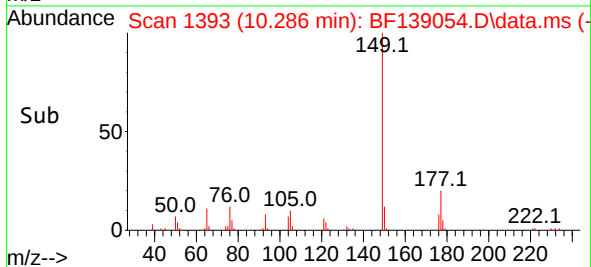
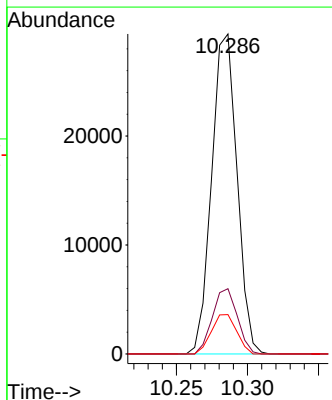
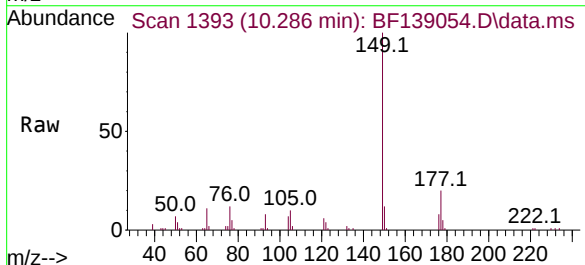
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

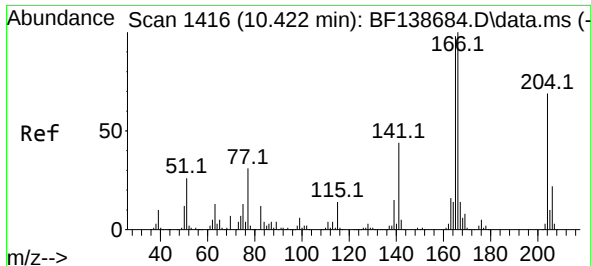
Tgt Ion:232	Resp:	7064
Ion Ratio	Lower	Upper
232	100	
131	47.6	37.0 55.4
130	0.0	2.0 3.0#
166	29.2	24.7 37.1



#60
Diethylphthalate
Concen: 4.660 ng
RT: 10.286 min Scan# 1393
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

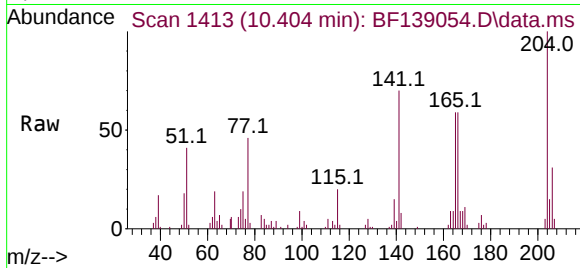
Tgt Ion:149	Resp:	36513
Ion Ratio	Lower	Upper
149	100	
177	20.4	17.8 26.8
150	12.3	10.1 15.1



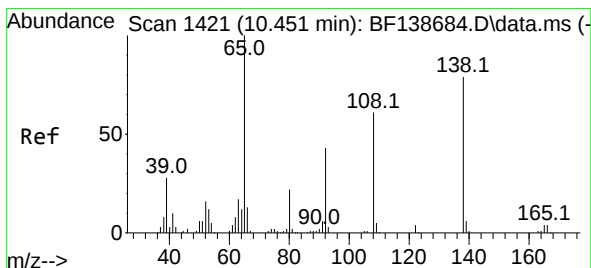
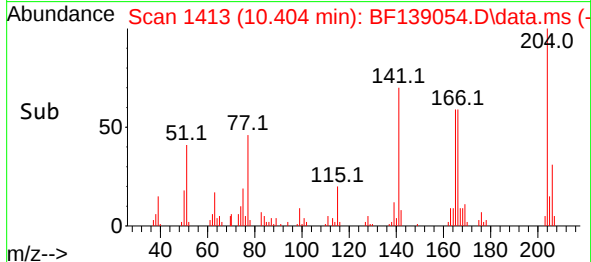
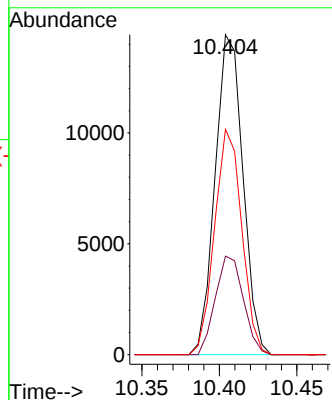


#61
4-Chlorophenyl-phenylether
Concen: 4.549 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.018 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

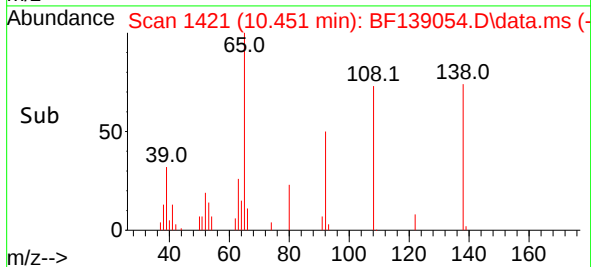
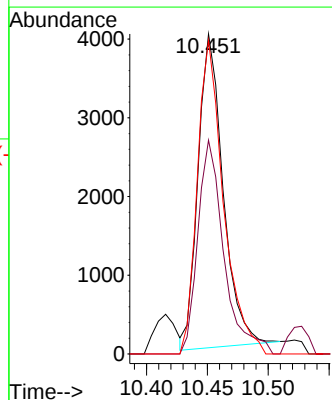
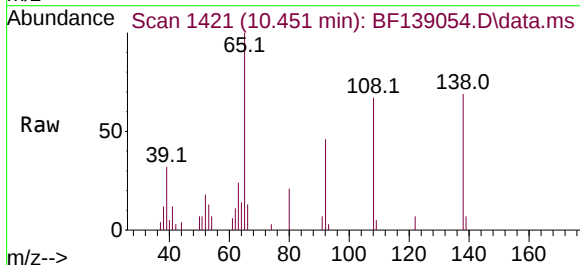


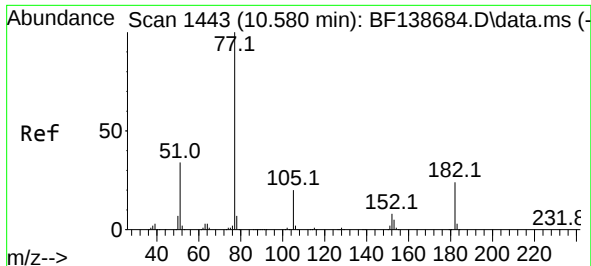
Tgt Ion:204 Resp: 18047
Ion Ratio Lower Upper
204 100
206 30.8 26.1 39.1
141 70.4 51.4 77.0



#62
4-Nitroaniline
Concen: 3.116 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion:138 Resp: 5709
Ion Ratio Lower Upper
138 100
92 66.8 34.2 74.2
108 98.1 56.2 96.2#

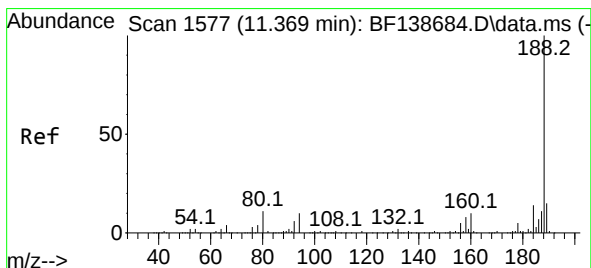
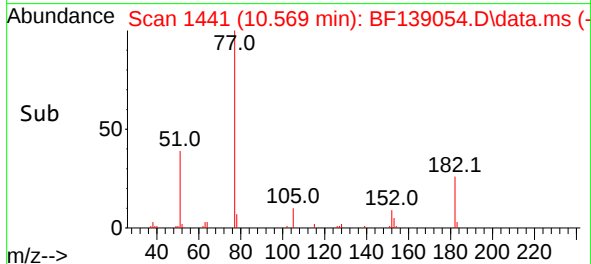
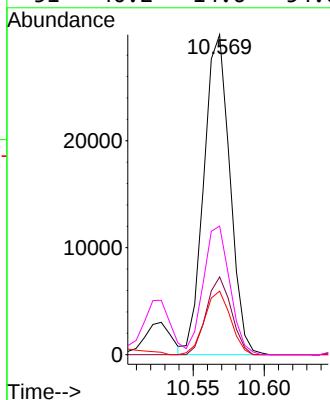
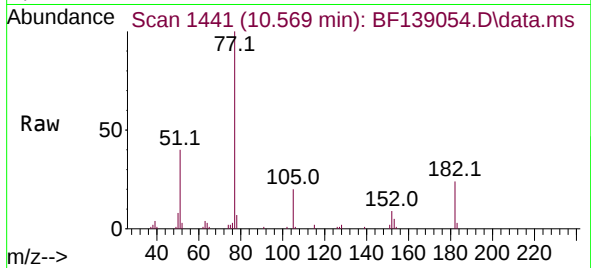




#63
Azobenzene
Concen: 4.398 ng
RT: 10.569 min Scan# 1443
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

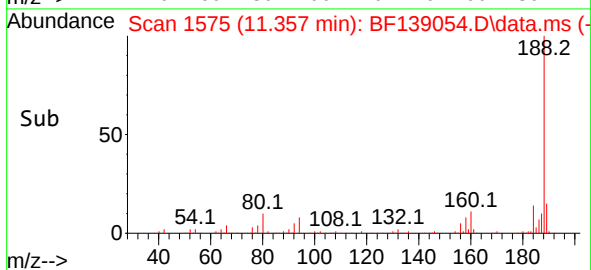
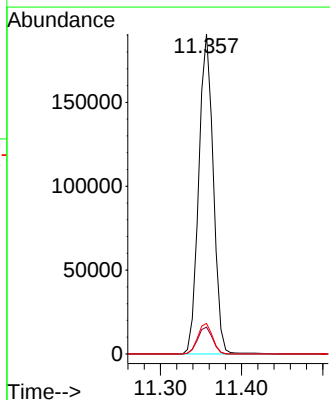
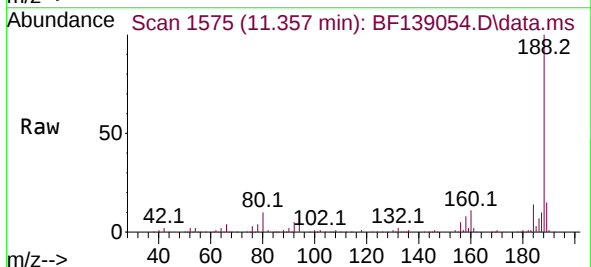
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

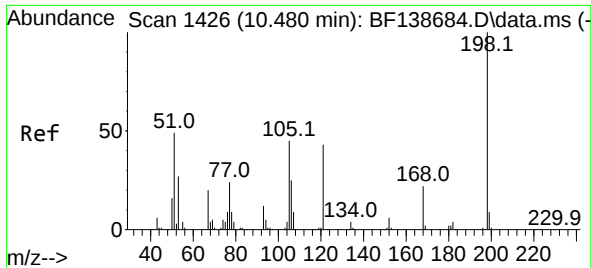
Tgt Ion: 77	Resp: 38217
Ion Ratio	Lower Upper
77 100	
182 24.3	3.4 43.4
105 19.9	0.2 40.2
51 40.2	14.6 54.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion: 188	Resp: 237000
Ion Ratio	Lower Upper
188 100	
94 8.4	7.6 11.4
80 9.5	8.6 12.8

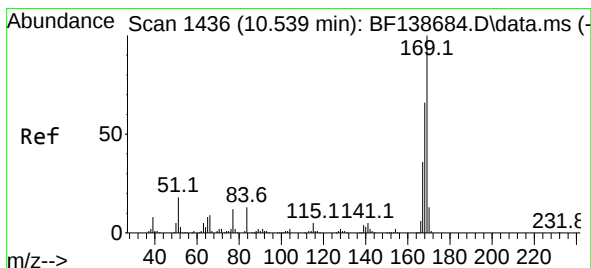
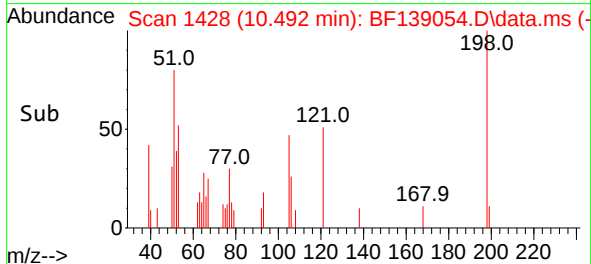
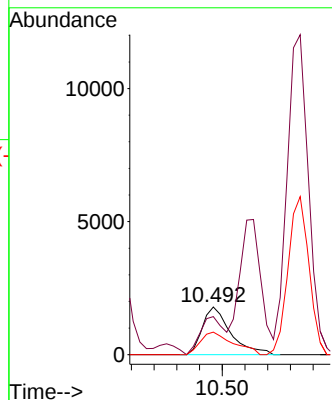
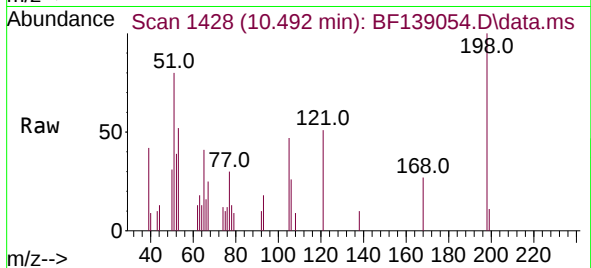




#65
4,6-Dinitro-2-methylphenol
Concen: 2.141 ng
RT: 10.492 min Scan# 1426
Delta R.T. 0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

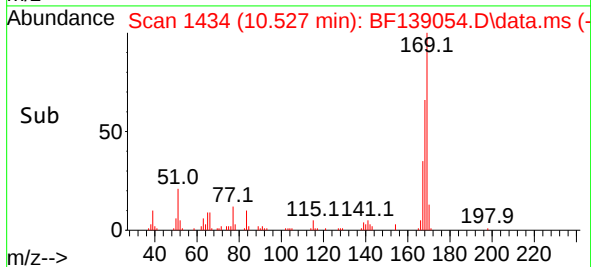
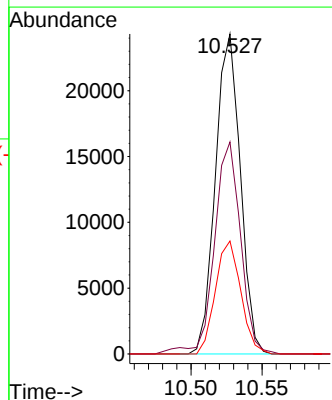
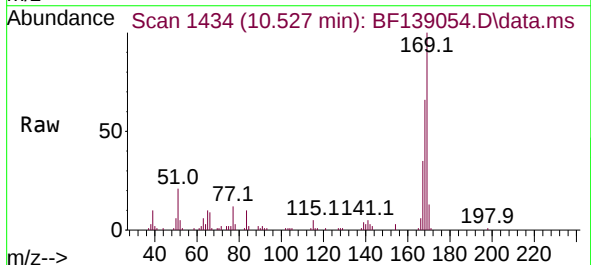
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

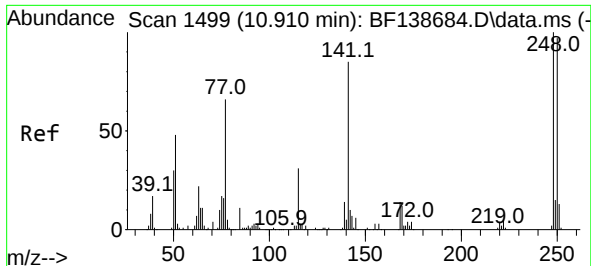
Tgt Ion:198 Resp: 3095
Ion Ratio Lower Upper
198 100
51 79.9 39.9 79.9
105 47.3 26.1 66.1



#66
n-Nitrosodiphenylamine
Concen: 4.006 ng
RT: 10.527 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion:169 Resp: 29674
Ion Ratio Lower Upper
169 100
168 66.3 53.0 79.6
167 35.3 29.0 43.6

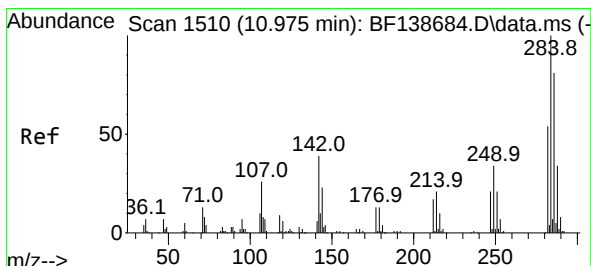
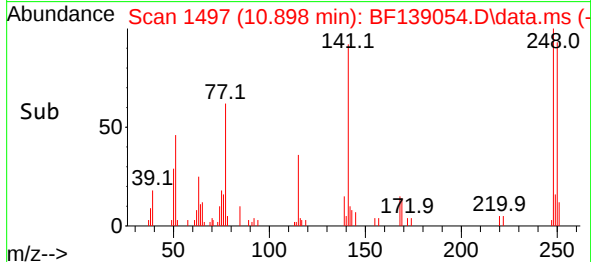
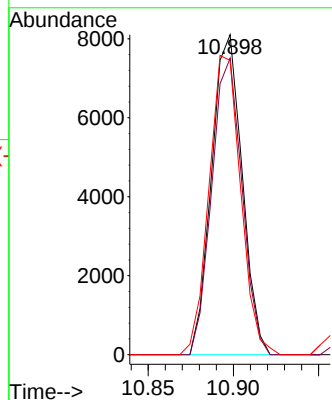
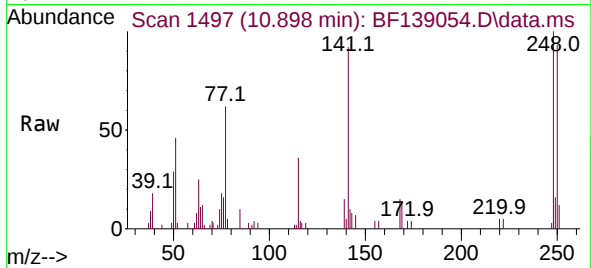




#67
4-Bromophenyl-phenylether
Concen: 3.937 ng
RT: 10.898 min Scan# 1499
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

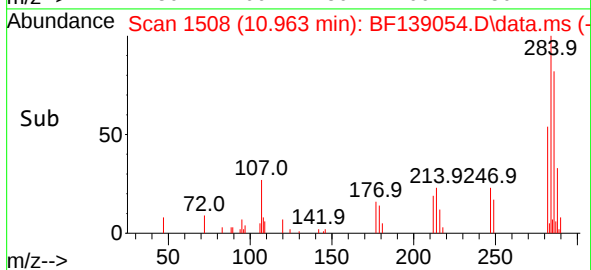
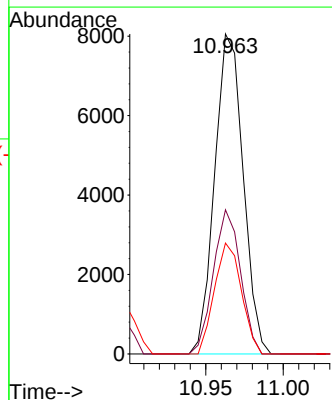
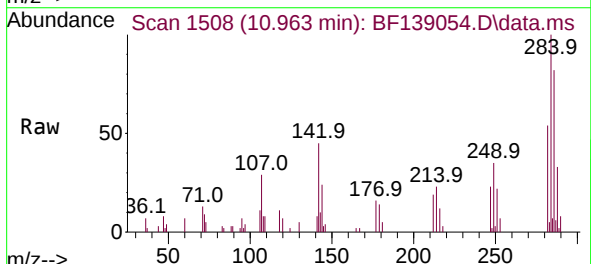
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

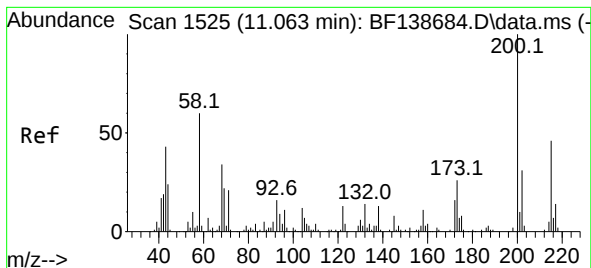
Tgt Ion:248 Resp: 10103
Ion Ratio Lower Upper
248 100
250 92.6 77.7 116.5
141 92.0 68.0 102.0



#68
Hexachlorobenzene
Concen: 3.885 ng
RT: 10.963 min Scan# 1508
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion:284 Resp: 10293
Ion Ratio Lower Upper
284 100
142 45.0 31.3 46.9
249 34.7 27.2 40.8





#69

Atrazine

Concen: 5.128 ng

RT: 11.051 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

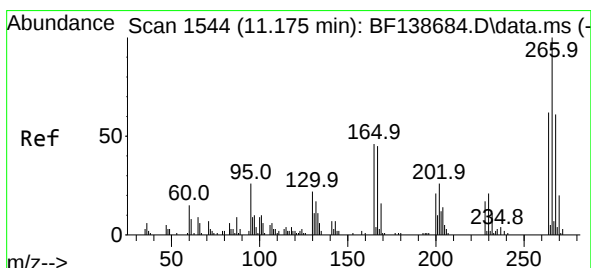
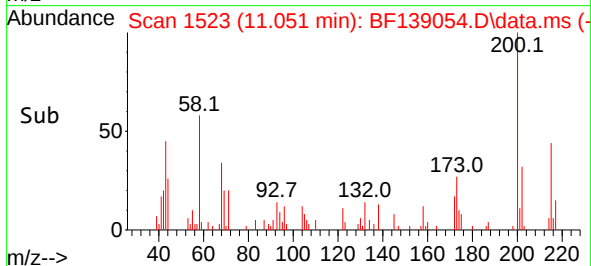
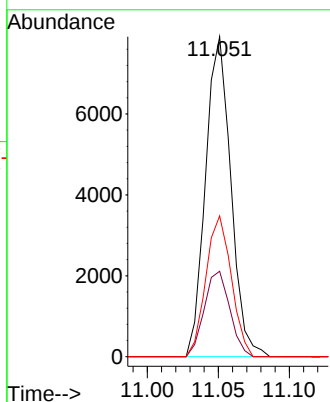
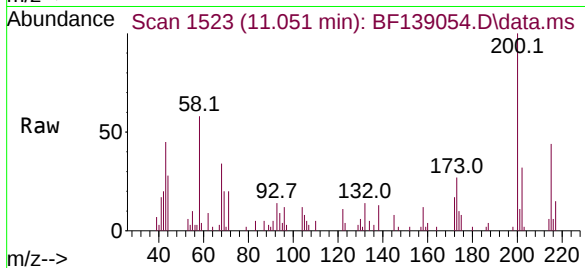
Tgt Ion:200 Resp: 9802

Ion Ratio Lower Upper

200 100

173 26.7 6.0 46.0

215 44.0 26.1 66.1



#70

Pentachlorophenol

Concen: 0.557 ng

RT: 11.186 min Scan# 1546

Delta R.T. 0.011 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

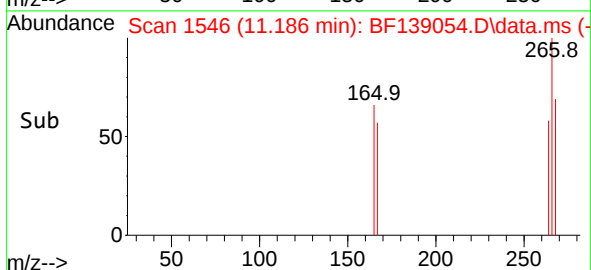
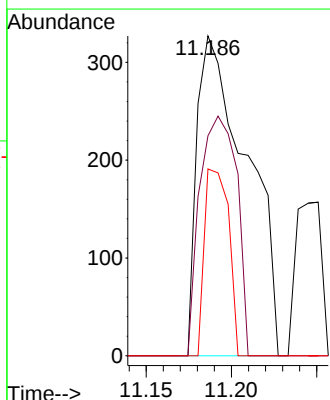
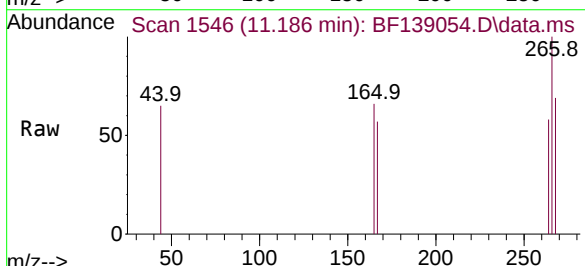
Tgt Ion:266 Resp: 665

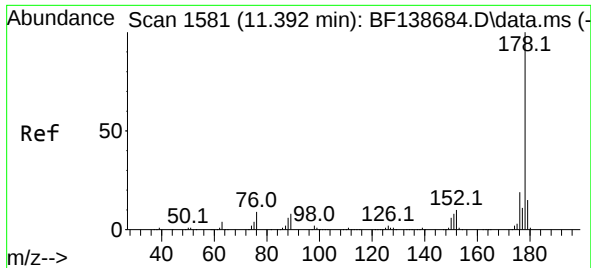
Ion Ratio Lower Upper

266 100

268 68.8 49.2 73.8

264 58.4 49.8 74.6

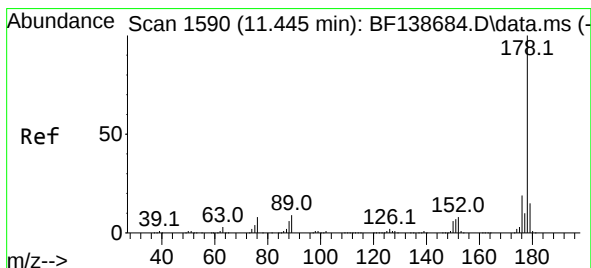
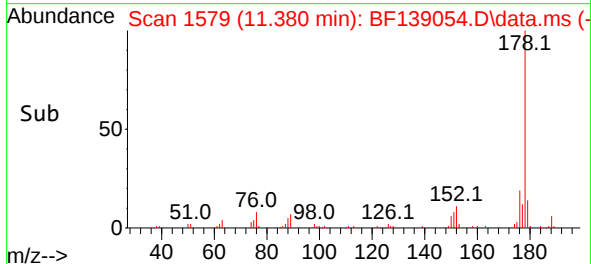
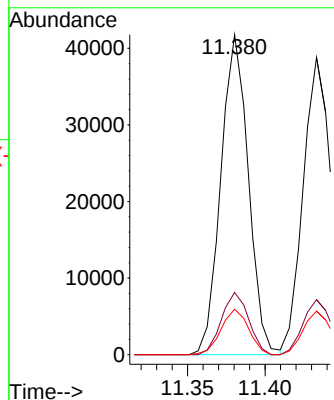
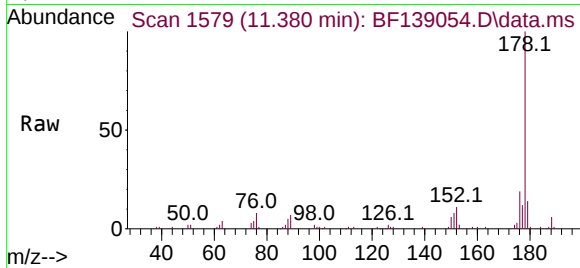




#71
Phenanthrene
Concen: 4.230 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

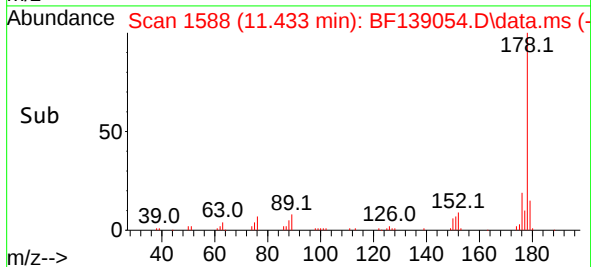
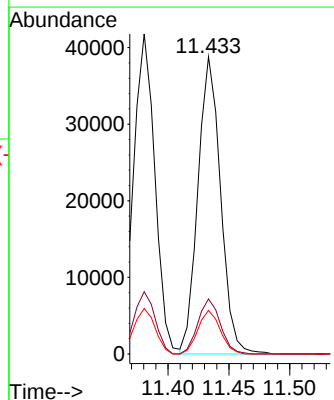
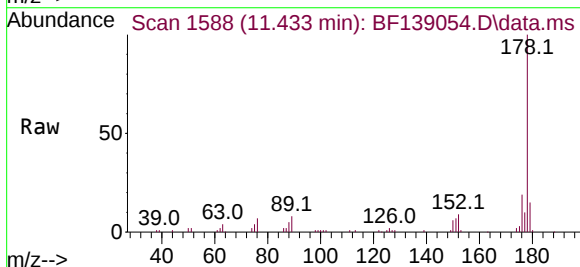
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

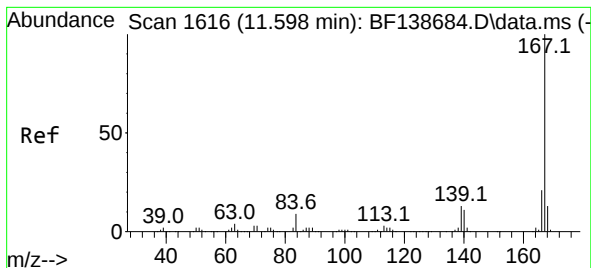
Tgt Ion:178 Resp: 51621
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 14.2 12.2 18.2



#72
Anthracene
Concen: 4.187 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion:178 Resp: 50337
Ion Ratio Lower Upper
178 100
176 18.5 14.9 22.3
179 14.6 12.4 18.6





#73

Carbazole

Concen: 4.036 ng

RT: 11.598 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139054.D

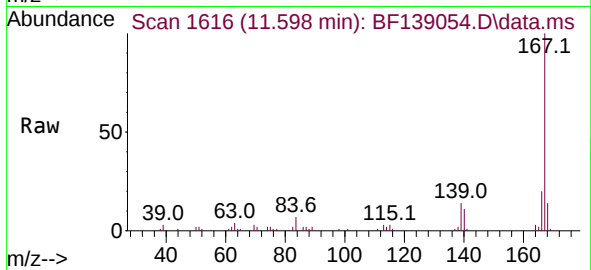
Acq: 16 Aug 2024 13:24

Instrument :

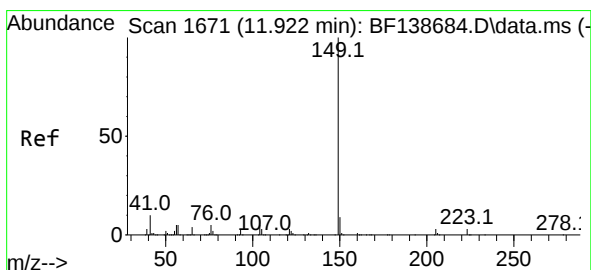
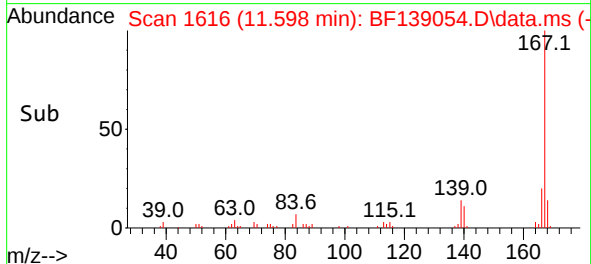
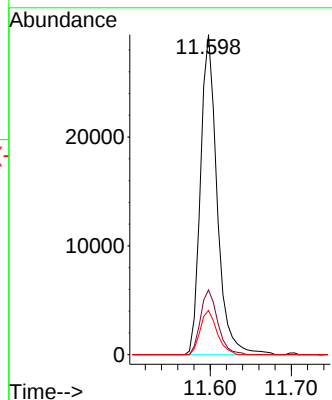
BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:167	Resp:	41866
Ion Ratio	Lower	Upper
167	100	
166	20.3	17.2 25.8
139	13.8	10.6 16.0



#74

Di-n-butylphthalate

Concen: 4.605 ng

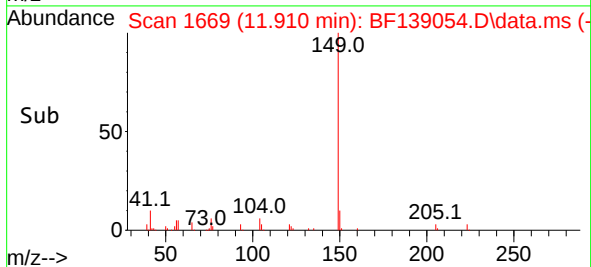
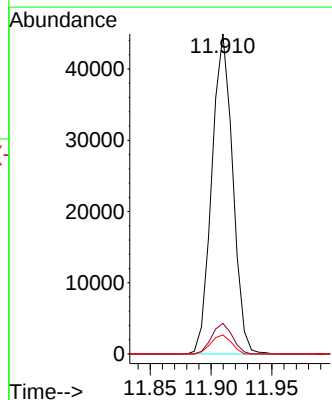
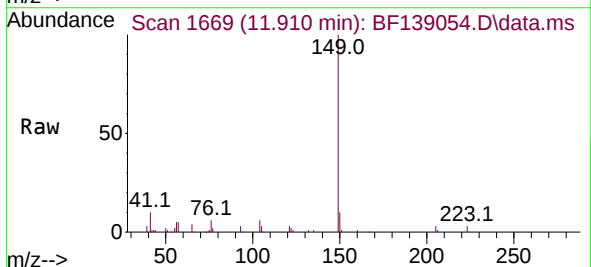
RT: 11.910 min Scan# 1669

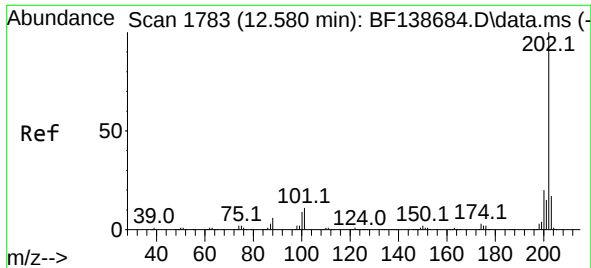
Delta R.T. -0.012 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

Tgt Ion:149	Resp:	53698
Ion Ratio	Lower	Upper
149	100	
150	9.5	7.4 11.0
104	5.9	4.1 6.1

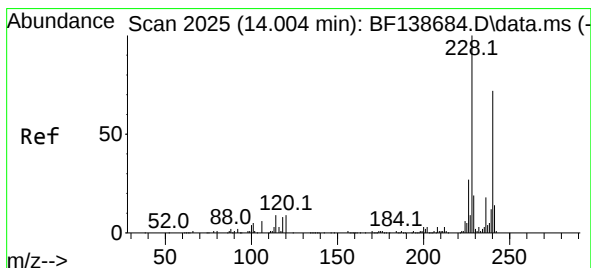
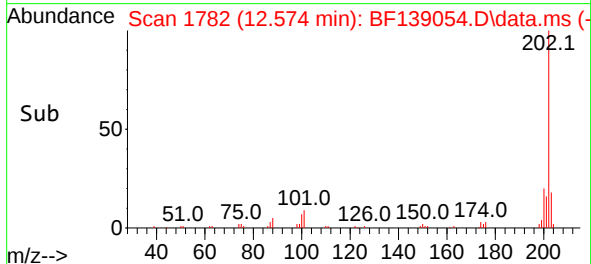
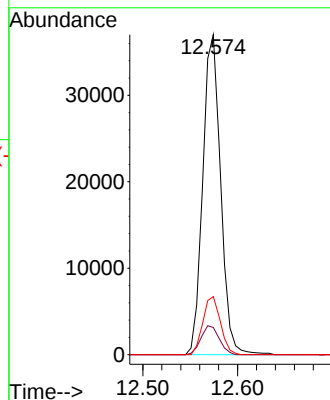
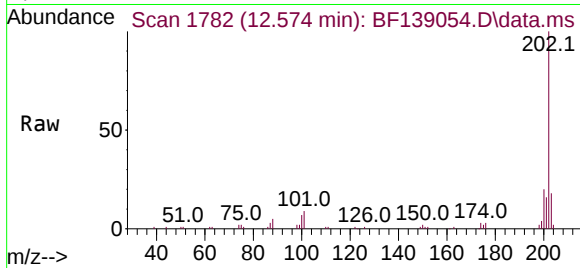




#75
Fluoranthene
Concen: 4.265 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

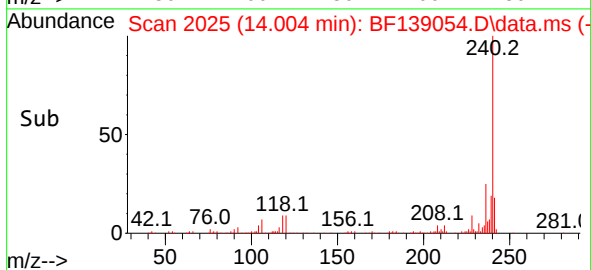
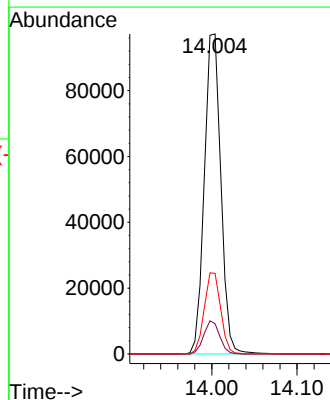
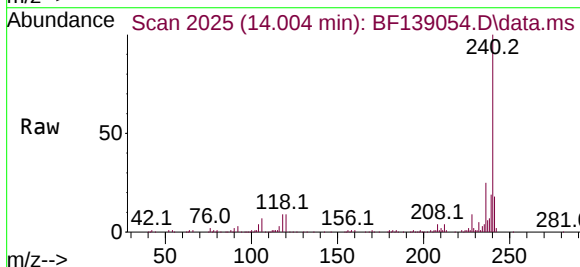
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

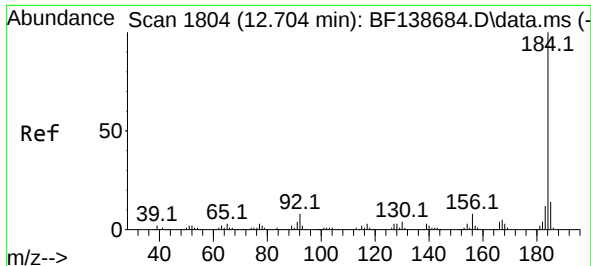
Tgt Ion:202 Resp: 48590
Ion Ratio Lower Upper
202 100
101 8.5 0.0 31.2
203 18.2 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion:240 Resp: 130942
Ion Ratio Lower Upper
240 100
120 9.5 10.2 15.4#
236 25.2 19.8 29.8

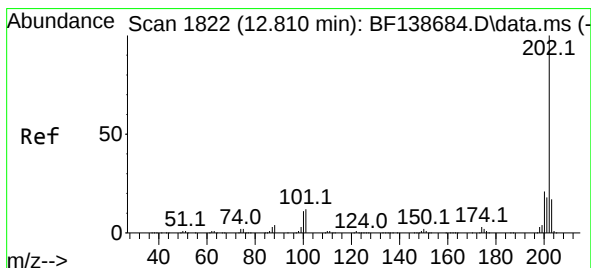
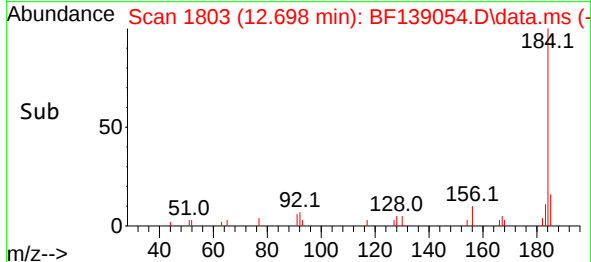
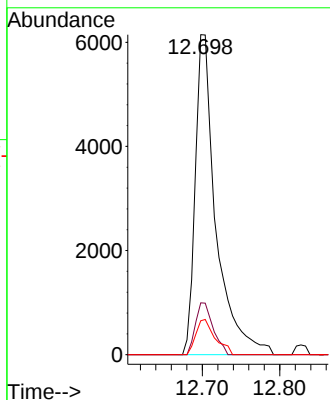
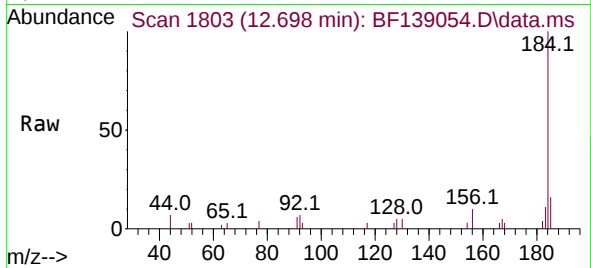




#77
Benzidine
Concen: 3.649 ng
RT: 12.698 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

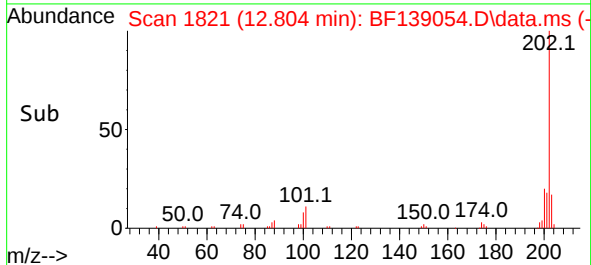
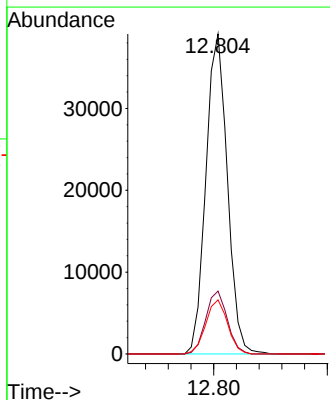
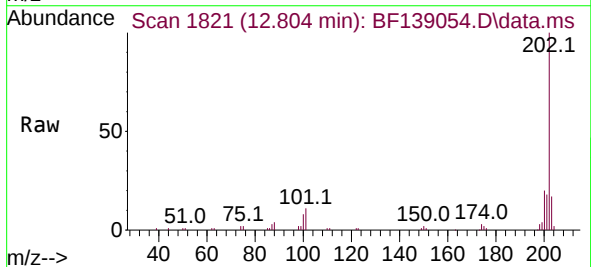
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

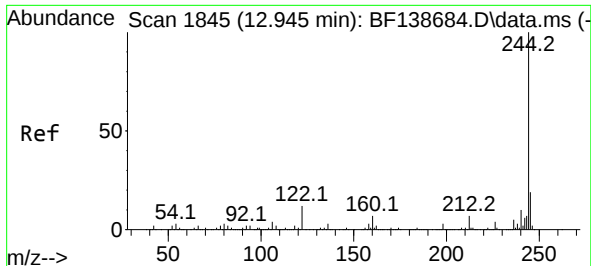
Tgt Ion:184 Resp: 11429
Ion Ratio Lower Upper
184 100
185 16.2 11.1 16.7
183 10.6 9.6 14.4



#78
Pyrene
Concen: 4.161 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

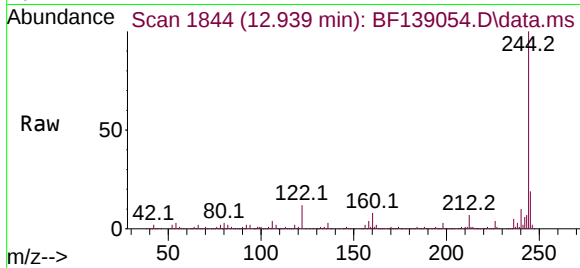
Tgt Ion:202 Resp: 51298
Ion Ratio Lower Upper
202 100
200 19.7 16.8 25.2
203 16.9 13.8 20.6



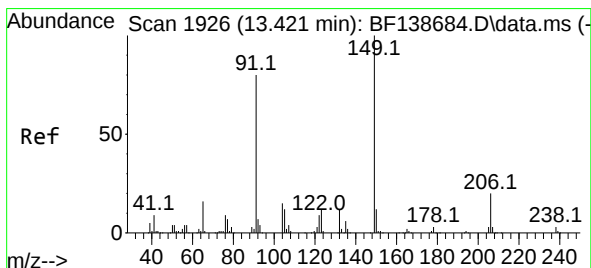
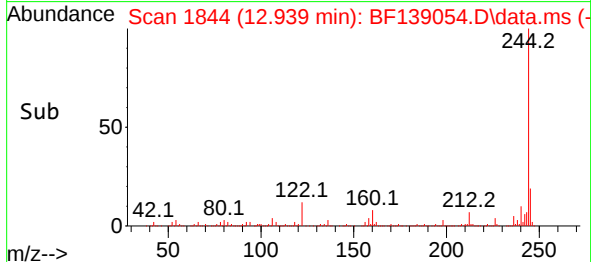
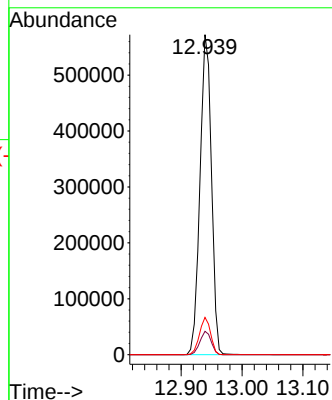


#79
 Terphenyl-d14
 Concen: 95.597 ng
 RT: 12.939 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF139054.D
 Acq: 16 Aug 2024 13:24

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2024

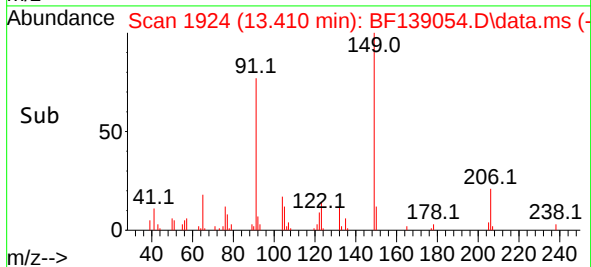
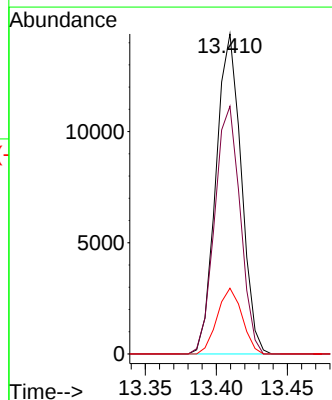
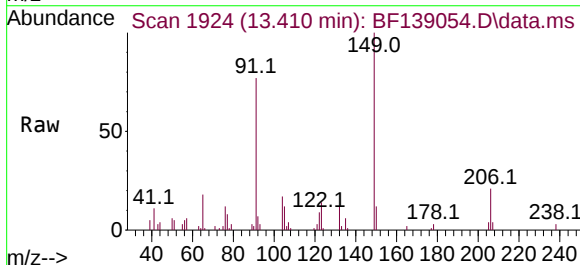


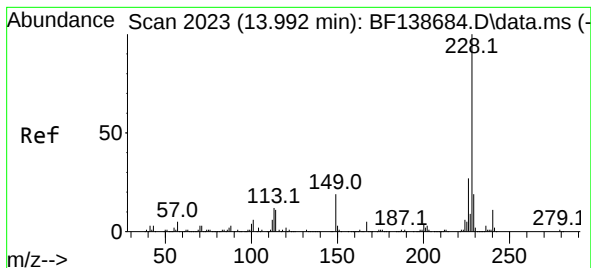
Tgt Ion:244 Resp: 747646
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.2
 122 11.7 9.6 14.4



#80
 Butylbenzylphthalate
 Concen: 4.508 ng
 RT: 13.410 min Scan# 1924
 Delta R.T. -0.012 min
 Lab File: BF139054.D
 Acq: 16 Aug 2024 13:24

Tgt Ion:149 Resp: 17797
 Ion Ratio Lower Upper
 149 100
 91 77.4 63.7 95.5
 206 20.6 16.2 24.2





#81

Benzo(a)anthracene

Concen: 4.106 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF139054.D

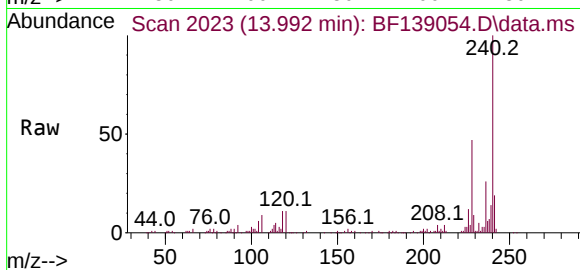
Acq: 16 Aug 2024 13:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



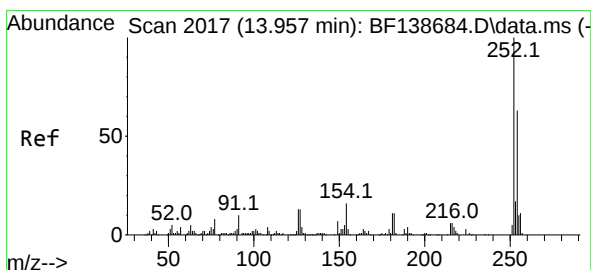
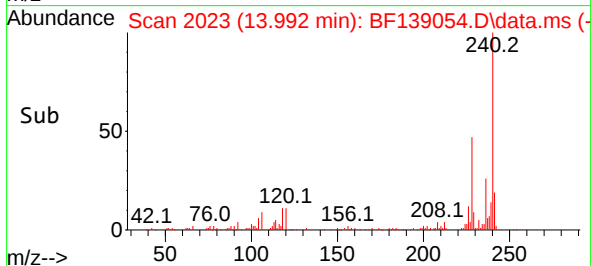
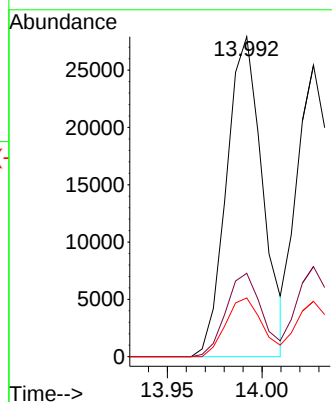
Tgt Ion:228 Resp: 37021

Ion Ratio Lower Upper

228 100

226 26.1 22.1 33.1

229 18.4 15.4 23.0



#82

3,3'-Dichlorobenzidine

Concen: 4.284 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.000 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

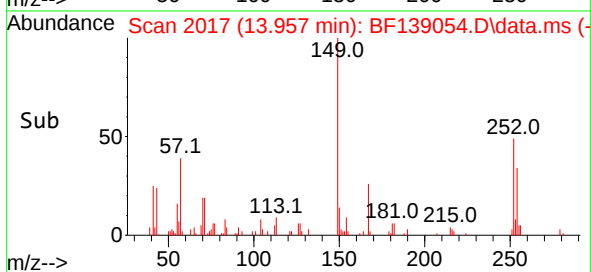
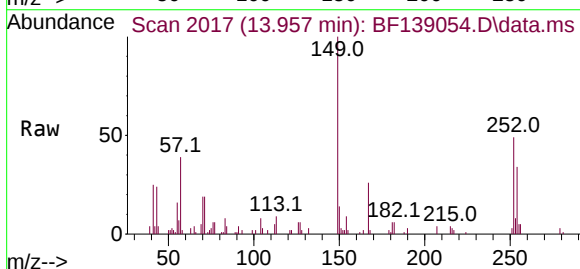
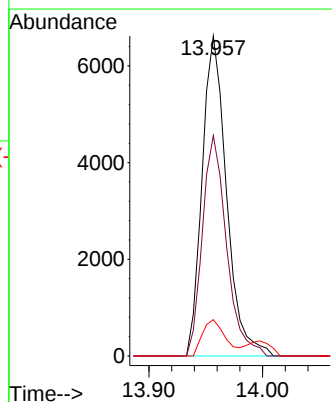
Tgt Ion:252 Resp: 9886

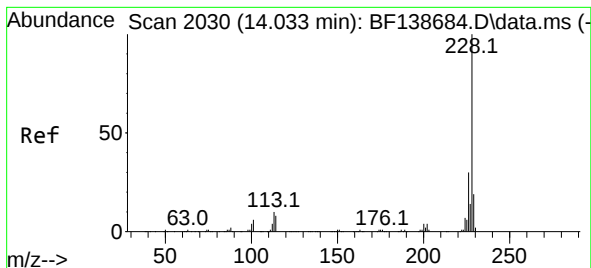
Ion Ratio Lower Upper

252 100

254 68.9 50.8 76.2

126 11.3 10.2 15.2





#83

Chrysene

Concen: 3.972 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

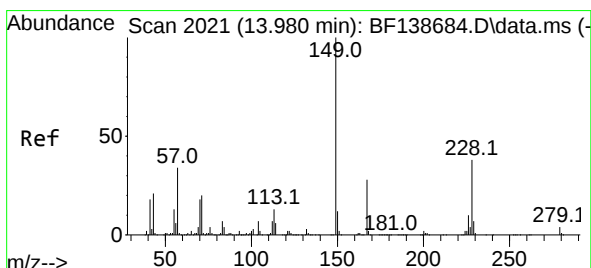
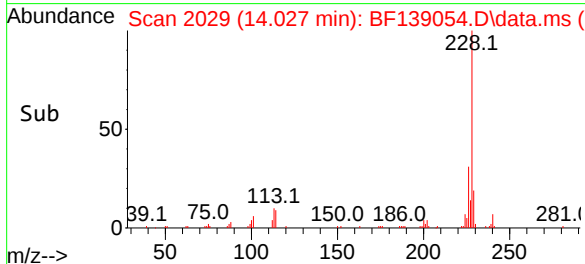
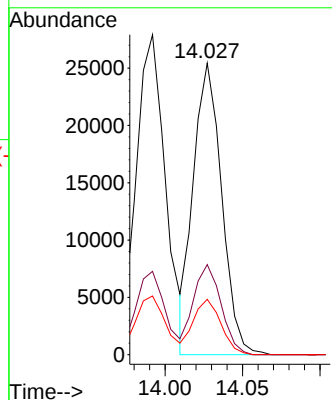
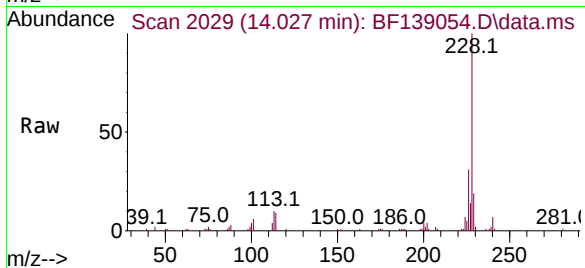
Tgt Ion:228 Resp: 32314

Ion Ratio Lower Upper

228 100

226 30.9 23.7 35.5

229 19.0 15.0 22.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.520 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.018 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

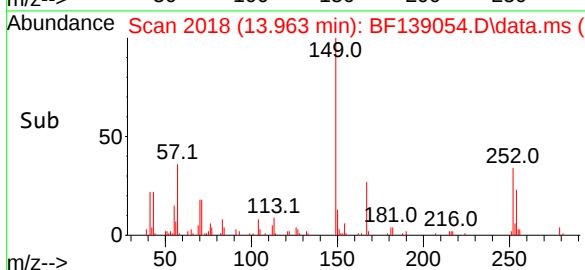
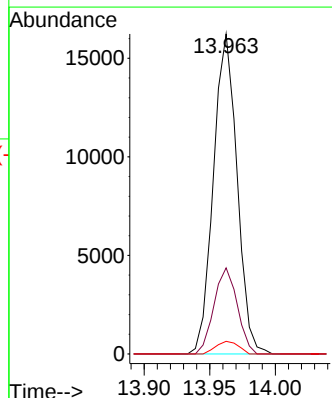
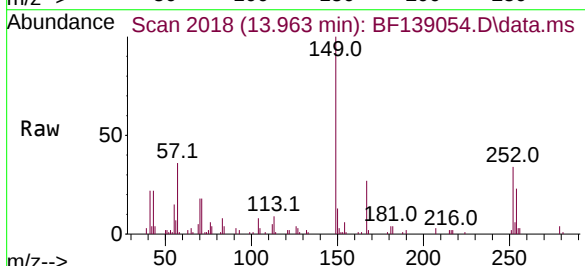
Tgt Ion:149 Resp: 20347

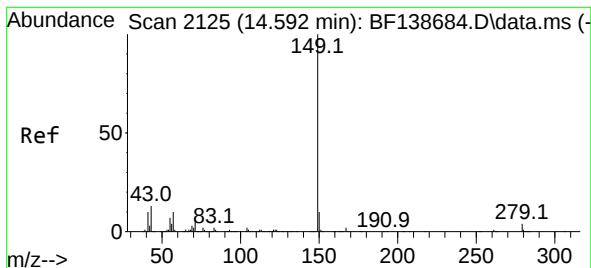
Ion Ratio Lower Upper

149 100

167 26.9 22.2 33.4

279 4.0 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 2.552 ng

RT: 14.574 min Scan# 2125

Delta R.T. -0.018 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

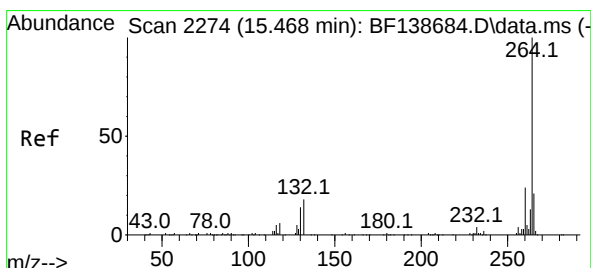
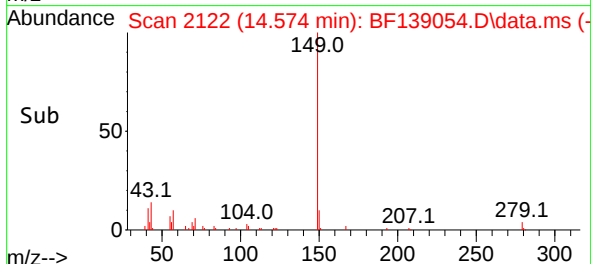
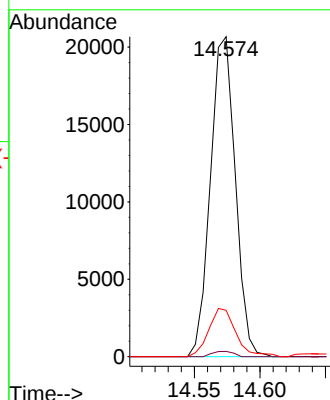
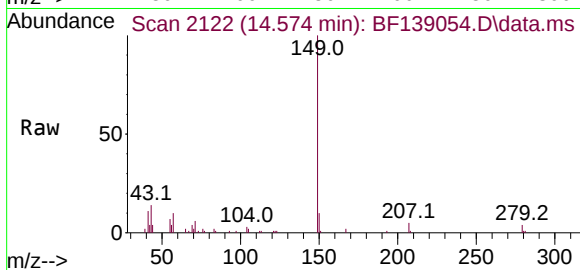
Tgt Ion:149 Resp: 27299

Ion Ratio Lower Upper

149 100

167 1.4 1.4 2.0

43 16.5 10.4 15.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 2274

Delta R.T. -0.000 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

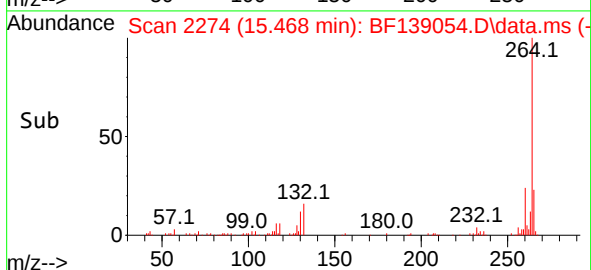
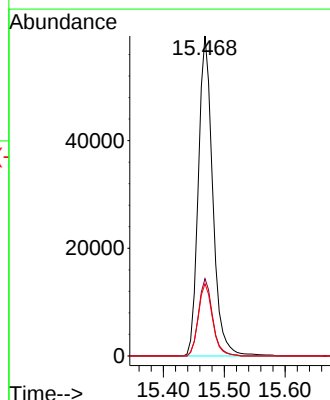
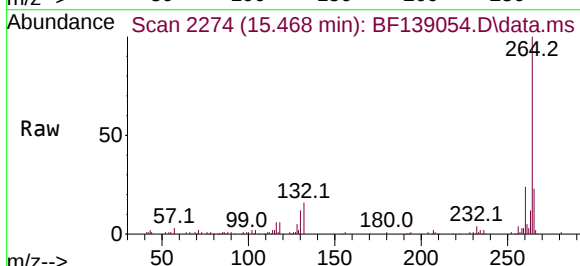
Tgt Ion:264 Resp: 97485

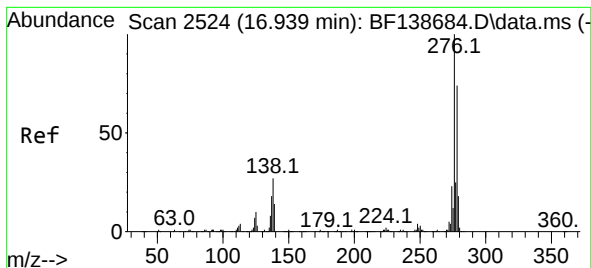
Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

265 22.5 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.413 ng

RT: 16.956 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

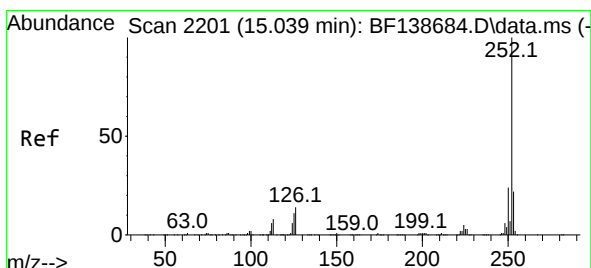
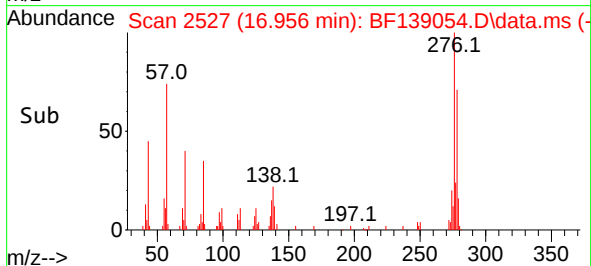
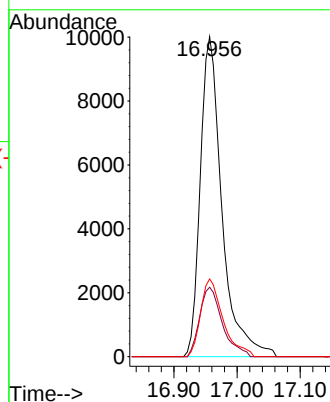
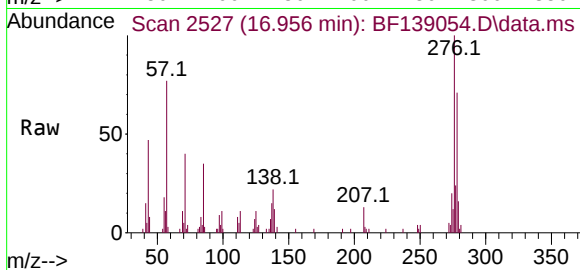
Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:	276	Resp:	23841
Ion Ratio	Lower	Upper	
276	100		
138	22.6	21.8	32.8
277	25.0	20.6	30.8



#88

Benzo(b)fluoranthene

Concen: 4.034 ng

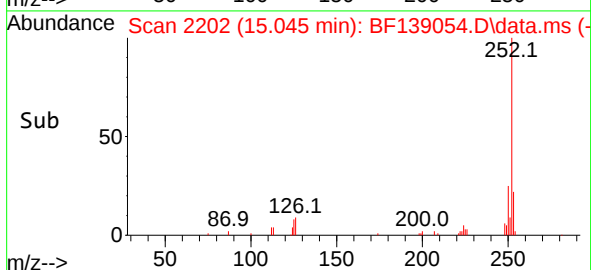
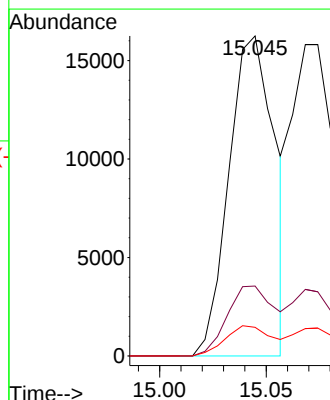
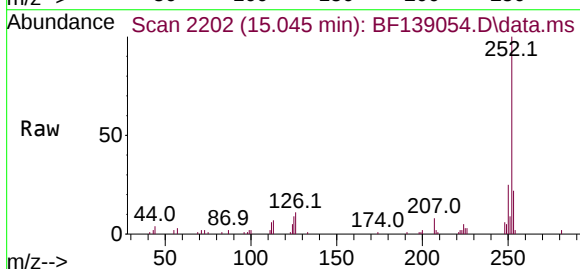
RT: 15.045 min Scan# 2202

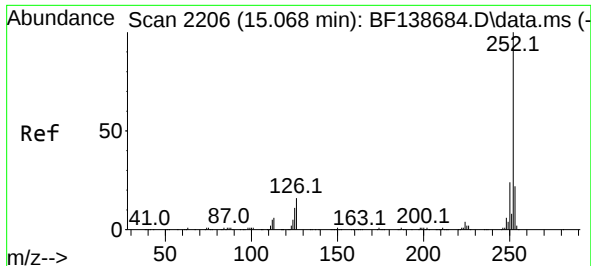
Delta R.T. 0.006 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

Tgt Ion:	252	Resp:	24380
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.5	26.3
125	9.0	8.9	13.3





#89

Benzo(k)fluoranthene

Concen: 4.581 ng

RT: 15.068 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

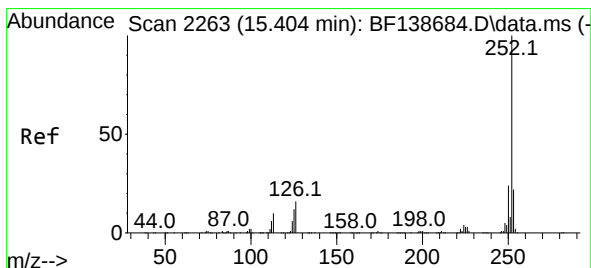
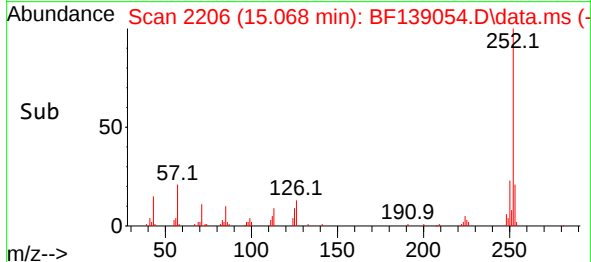
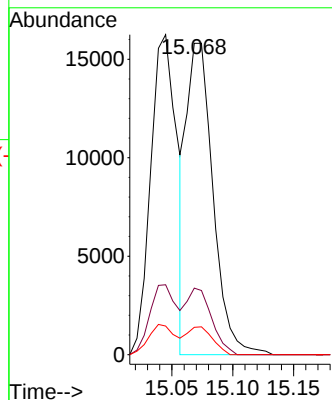
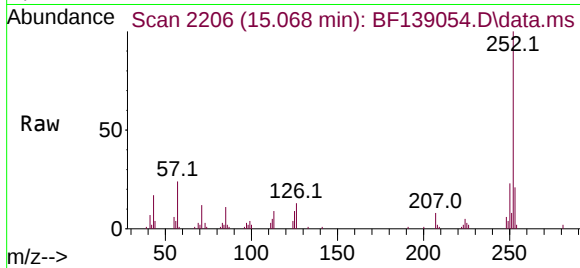
Tgt Ion:252 Resp: 23971

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.0

125 8.8 8.6 13.0



#90

Benzo(a)pyrene

Concen: 4.264 ng

RT: 15.409 min Scan# 2264

Delta R.T. 0.006 min

Lab File: BF139054.D

Acq: 16 Aug 2024 13:24

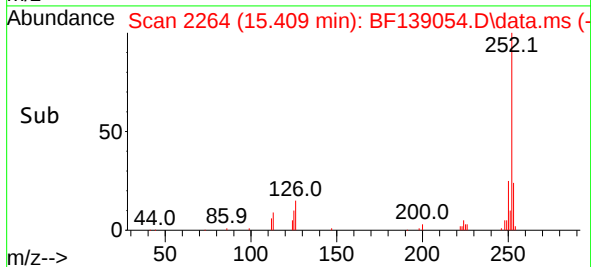
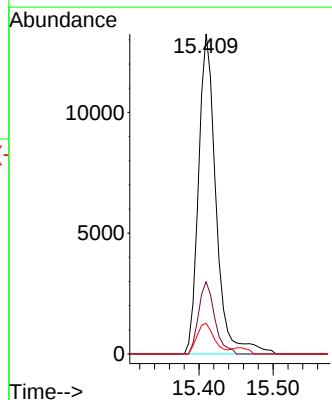
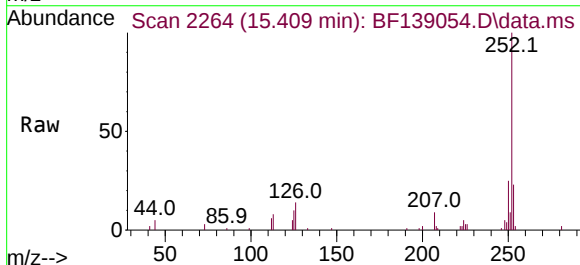
Tgt Ion:252 Resp: 21675

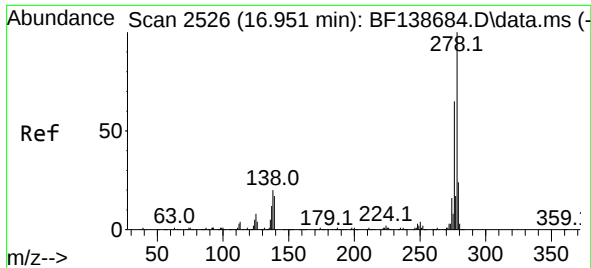
Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

125 9.6 9.5 14.3

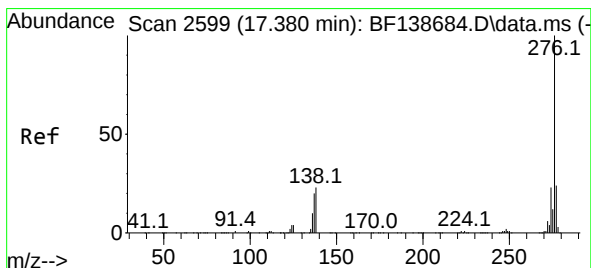
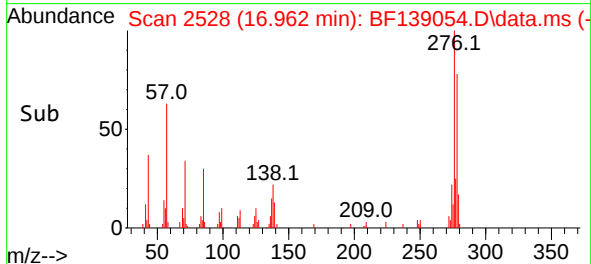
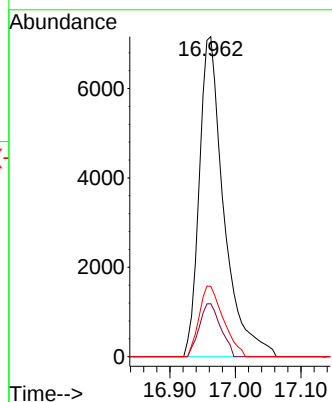
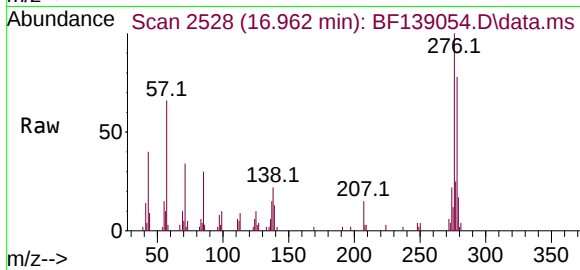




#91
Dibenzo(a,h)anthracene
Concen: 3.251 ng
RT: 16.962 min Scan# 210
Delta R.T. 0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:	278	Resp:	18644
Ion Ratio	Lower	Upper	
278	100		
139	16.6	14.0	21.0
279	22.0	19.0	28.4



#92
Benzo(g,h,i)perylene
Concen: 3.191 ng
RT: 17.403 min Scan# 2603
Delta R.T. 0.023 min
Lab File: BF139054.D
Acq: 16 Aug 2024 13:24

Tgt Ion:	276	Resp:	18992
Ion Ratio	Lower	Upper	
276	100		
277	22.2	19.0	28.4
138	19.1	18.5	27.7

