

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
 Data File : BF139055.D
 Acq On : 16 Aug 2024 13:54
 Operator : RC/JU
 Sample : P3390-01
 Misc : LOD-MDL-SOIL8ppm
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Aug 16 14:34:06 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	47600	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	200267	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	114429	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	207134	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	110019	20.000	ng	0.00
86) Perylene-d12	15.468	264	88917	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	401609	130.240	ng	0.00
7) Phenol-d6	6.487	99	541397	130.771	ng	0.00
23) Nitrobenzene-d5	7.404	82	360003	87.888	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	128025	136.585	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	663360	87.102	ng	-0.01
79) Terphenyl-d14	12.939	244	636723	96.896	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.593	88	10178	7.539	ng	92
3) Pyridine	3.434	79	21581m	6.599	ng	
4) n-Nitrosodimethylamine	3.316	42	16521	8.482	ng	82
6) Aniline	6.504	93	36612	9.916	ng	# 66
8) 2-Chlorophenol	6.628	128	27589	8.504	ng	98
9) Benzaldehyde	6.398	77	24790	9.989	ng	99
10) Phenol	6.498	94	36087	8.279	ng	# 51
11) bis(2-Chloroethyl)ether	6.575	93	25737	7.673	ng	98
12) 1,3-Dichlorobenzene	6.775	146	29144	8.025	ng	98
13) 1,4-Dichlorobenzene	6.851	146	29995	8.184	ng	100
14) 1,2-Dichlorobenzene	7.004	146	28091	8.201	ng	96
15) Benzyl Alcohol	6.992	79	27180	9.109	ng	88
16) 2,2'-oxybis(1-Chloropr...	7.104	45	48370	8.379	ng	# 48
17) 2-Methylphenol	7.104	107	21814	8.143	ng	# 79
18) Hexachloroethane	7.339	117	11408	8.269	ng	98
19) n-Nitroso-di-n-propyla...	7.245	70	22177	8.869	ng	94
20) 3+4-Methylphenols	7.263	107	28795	8.377	ng	# 66
22) Acetophenone	7.245	105	41055	8.373	ng	96
24) Nitrobenzene	7.422	77	34572	8.294	ng	97
25) Isophorone	7.657	82	58079	8.304	ng	97
26) 2-Nitrophenol	7.739	139	14989	8.358	ng	94
27) 2,4-Dimethylphenol	7.781	122	15694	7.315	ng	96
28) bis(2-Chloroethoxy)met...	7.869	93	33754	7.925	ng	99
29) 2,4-Dichlorophenol	7.998	162	22458	8.146	ng	96
30) 1,2,4-Trichlorobenzene	8.057	180	25322	7.959	ng	95
31) Naphthalene	8.139	128	83711	7.941	ng	100
32) Benzoic acid	7.928	122	5557m	3.295	ng	
33) 4-Chloroaniline	8.198	127	29973	8.471	ng	95
34) Hexachlorobutadiene	8.251	225	15681	8.137	ng	98
35) Caprolactam	8.545	113	6382	7.758	ng	# 86
36) 4-Chloro-3-methylphenol	8.686	107	26048	8.267	ng	98
37) 2-Methylnaphthalene	8.828	142	54088	8.124	ng	99
38) 1-Methylnaphthalene	8.928	142	52413	8.034	ng	98
40) 1,2,4,5-Tetrachloroben...	8.992	216	25514	8.027	ng	96
41) Hexachlorocyclopentadiene	8.975	237	336	7.330	ng	80
43) 2,4,6-Trichlorophenol	9.116	196	13766	7.103	ng	99

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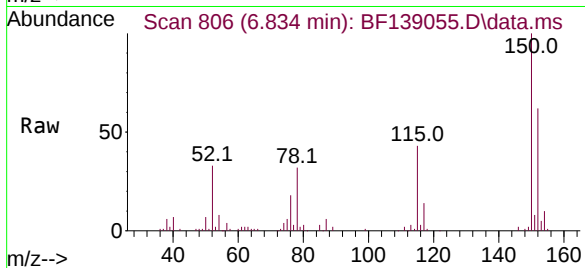
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.175	196	15144	7.148	ng	# 88
46) 1,1'-Biphenyl	9.286	154	73422	8.193	ng	100
47) 2-Chloronaphthalene	9.316	162	51403	7.712	ng	97
48) 2-Nitroaniline	9.422	65	18280	8.090	ng	93
49) Acenaphthylene	9.728	152	81286	8.599	ng	99
50) Dimethylphthalate	9.586	163	62766	8.578	ng	99
51) 2,6-Dinitrotoluene	9.657	165	13401	8.116	ng	# 84
52) Acenaphthene	9.898	154	51003	8.026	ng	99
53) 3-Nitroaniline	9.833	138	13562	7.945	ng	97
54) 2,4-Dinitrophenol	9.980	184	2678m	3.523	ng	
55) Dibenzofuran	10.075	168	76922	8.575	ng	96
56) 4-Nitrophenol	10.057	139	2535m	2.470	ng	
57) 2,4-Dinitrotoluene	10.069	165	17683	8.394	ng	# 70
58) Fluorene	10.416	166	59500	8.329	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.204	232	14203m	8.768	ng	
60) Diethylphthalate	10.286	149	64230	9.258	ng	98
61) 4-Chlorophenyl-phenyle...	10.404	204	28744	8.182	ng	92
62) 4-Nitroaniline	10.445	138	12081m	7.447	ng	
63) Azobenzene	10.569	77	66550	8.649	ng	97
65) 4,6-Dinitro-2-methylph...	10.486	198	6661	5.271	ng	87
66) n-Nitrosodiphenylamine	10.527	169	50919	7.864	ng	99
67) 4-Bromophenyl-phenylether	10.898	248	16701	7.447	ng	97
68) Hexachlorobenzene	10.963	284	17655	7.625	ng	96
69) Atrazine	11.051	200	17229	10.314	ng	98
70) Pentachlorophenol	11.186	266	1482	1.420	ng	90
71) Phenanthrene	11.380	178	87870	8.239	ng	100
72) Anthracene	11.433	178	86188	8.203	ng	99
73) Carbazole	11.598	167	72493	7.997	ng	98
74) Di-n-butylphthalate	11.910	149	93512	9.176	ng	99
75) Fluoranthene	12.574	202	84574	8.494	ng	97
77) Benzidine	12.698	184	21161	8.042	ng	96
78) Pyrene	12.804	202	84539	8.161	ng	99
80) Butylbenzylphthalate	13.410	149	29700	8.954	ng	99
81) Benzo(a)anthracene	13.992	228	61152	8.072	ng	99
82) 3,3'-Dichlorobenzidine	13.957	252	16789	8.660	ng	99
83) Chrysene	14.027	228	52130	7.627	ng	99
84) Bis(2-ethylhexyl)phtha...	13.963	149	32139	6.617	ng	98
85) Di-n-octyl phthalate	14.568	149	46155	5.136	ng	# 92
87) Indeno(1,2,3-cd)pyrene	16.951	276	42276	6.635	ng	96
88) Benzo(b)fluoranthene	15.039	252	44505	8.074	ng	99
89) Benzo(k)fluoranthene	15.068	252	36973	7.747	ng	96
90) Benzo(a)pyrene	15.410	252	36746	7.926	ng	99
91) Dibenzo(a,h)anthracene	16.956	278	34805	6.654	ng	97
92) Benzo(g,h,i)perylene	17.398	276	34049	6.273	ng	99

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

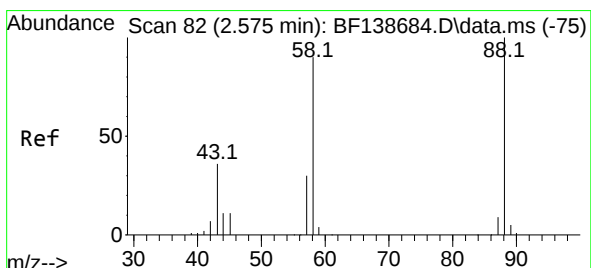
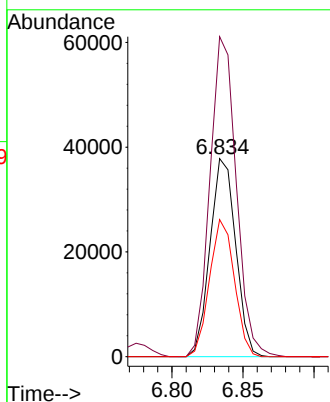
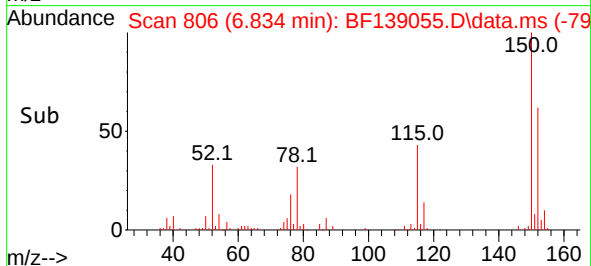


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.834 min Scan# 80
 Delta R.T. -0.011 min
 Lab File: BF139055.D
 Acq: 16 Aug 2024 13:54

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

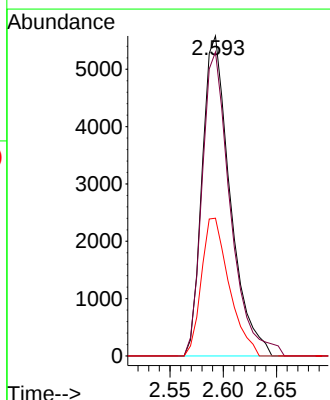
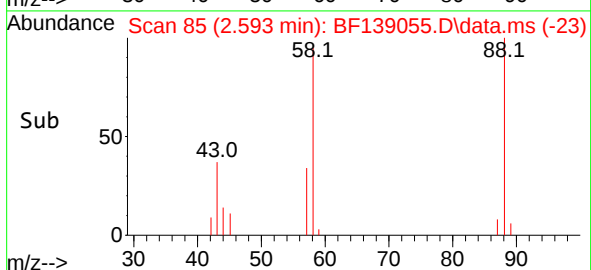
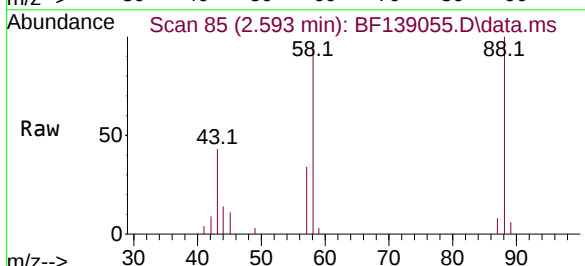


Tgt Ion:152 Resp: 47600
 Ion Ratio Lower Upper
 152 100
 150 161.5 126.0 189.0
 115 69.2 51.7 77.5



#2
 1,4-Dioxane
 Concen: 7.539 ng
 RT: 2.593 min Scan# 85
 Delta R.T. 0.018 min
 Lab File: BF139055.D
 Acq: 16 Aug 2024 13:54

Tgt Ion: 88 Resp: 10178
 Ion Ratio Lower Upper
 88 100
 58 95.9 71.6 107.4
 43 42.8 28.7 43.1





#3

Pyridine

Concen: 6.599 ng m

RT: 3.434 min Scan# 211

Delta R.T. 0.100 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

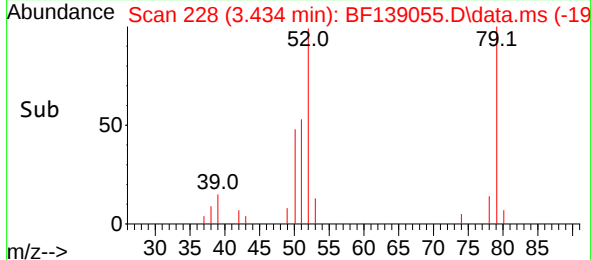
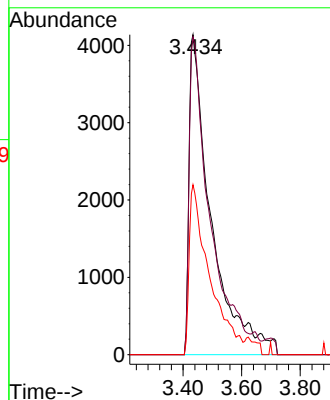
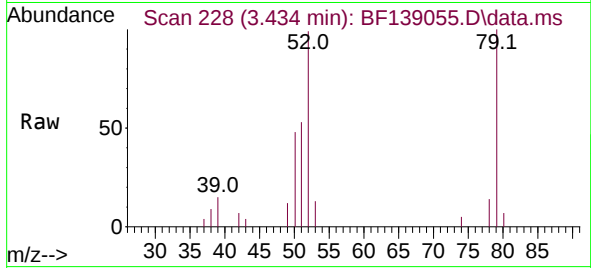
Tgt Ion: 79 Resp: 21581

Ion Ratio Lower Upper

79 100

52 99.3 74.7 112.1

51 53.1 34.6 51.8#



#4

n-Nitrosodimethylamine

Concen: 8.482 ng

RT: 3.316 min Scan# 208

Delta R.T. 0.029 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

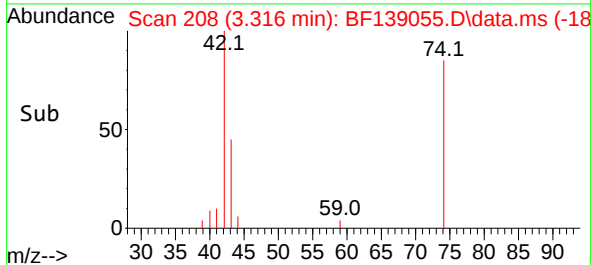
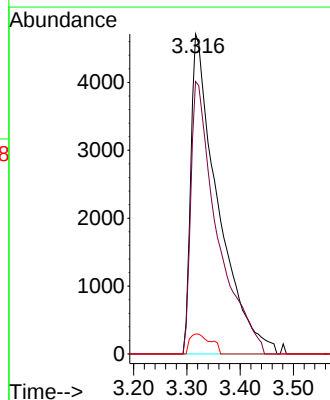
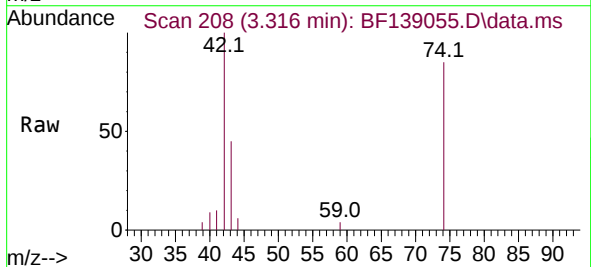
Tgt Ion: 42 Resp: 16521

Ion Ratio Lower Upper

42 100

74 85.2 84.2 126.4

44 6.3 4.9 7.3

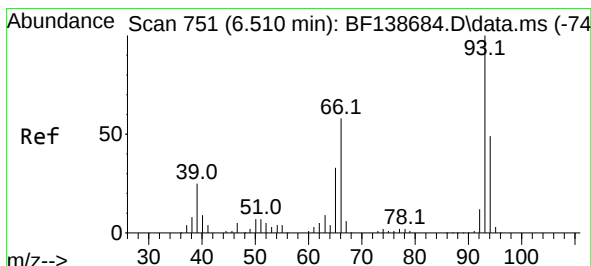
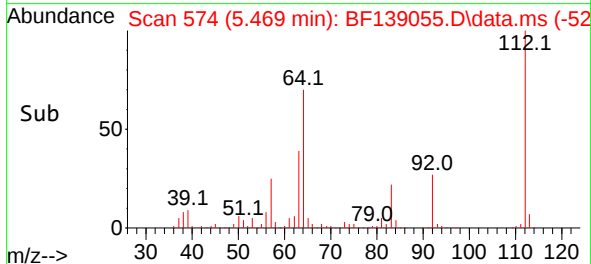
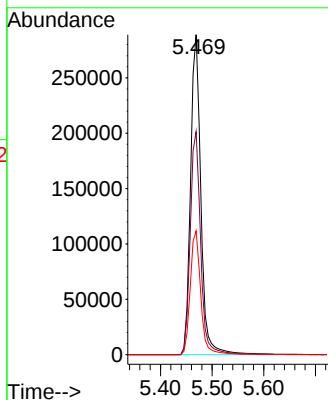
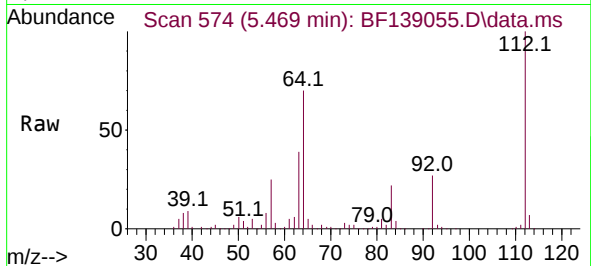




#5
2-Fluorophenol
Concen: 130.240 ng
RT: 5.469 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

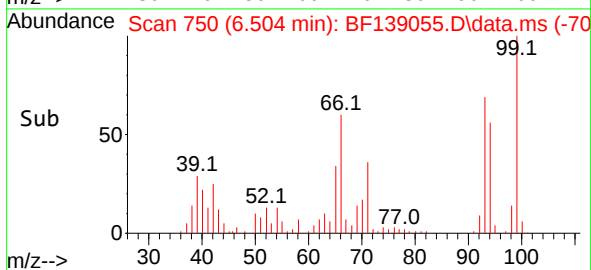
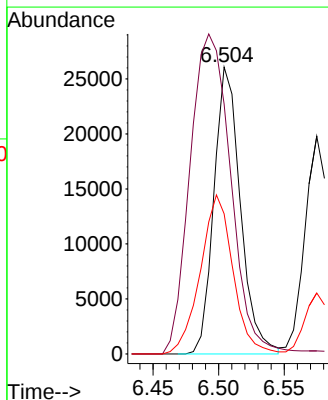
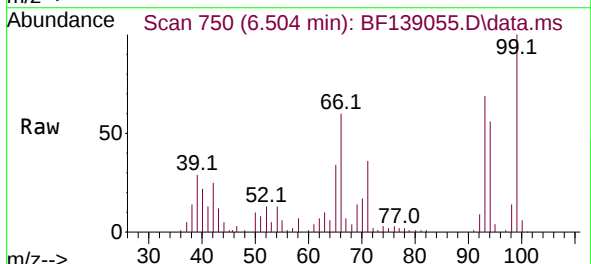
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:112 Resp: 401609
Ion Ratio Lower Upper
112 100
64 69.7 54.2 81.4
63 38.7 28.7 43.1



#6
Aniline
Concen: 9.916 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

Tgt Ion: 93 Resp: 36612
Ion Ratio Lower Upper
93 100
66 87.1 46.9 70.3#
65 48.9 26.5 39.7#





#7

Phenol-d6

Concen: 130.771 ng

RT: 6.487 min Scan# 747

Delta R.T. -0.000 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

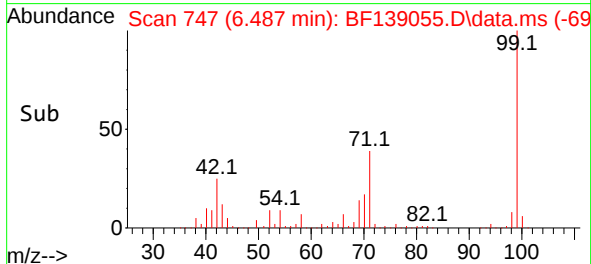
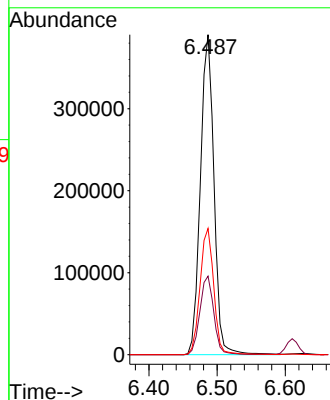
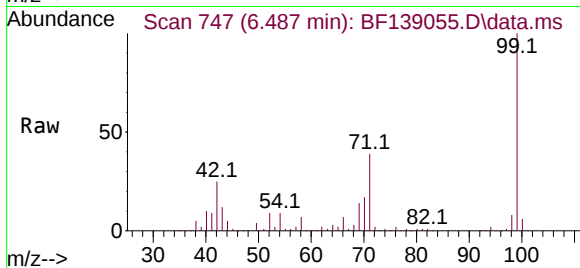
Tgt Ion: 99 Resp: 541397

Ion Ratio Lower Upper

99 100

42 24.5 17.4 26.0

71 39.5 28.1 42.1



#8

2-Chlorophenol

Concen: 8.504 ng

RT: 6.628 min Scan# 771

Delta R.T. -0.006 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

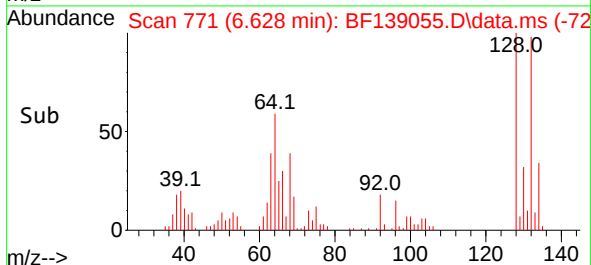
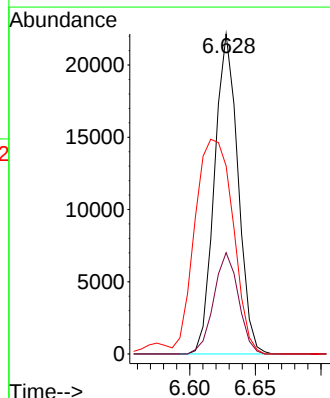
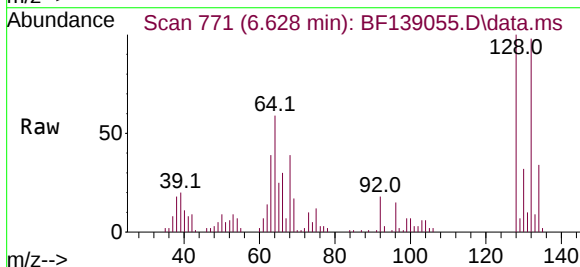
Tgt Ion: 128 Resp: 27589

Ion Ratio Lower Upper

128 100

130 31.6 12.0 52.0

64 58.7 36.3 76.3





#9

Benzaldehyde

Concen: 9.989 ng

RT: 6.398 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

Instrument :

BNA_F

ClientSampleId :

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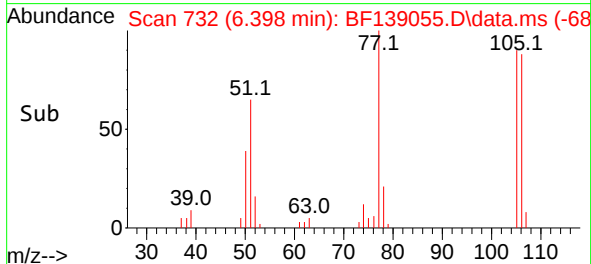
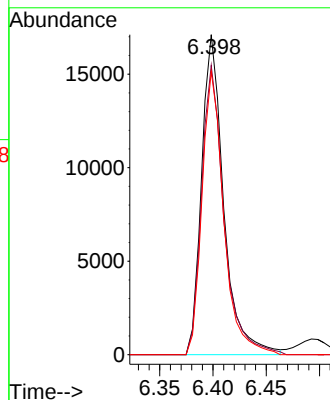
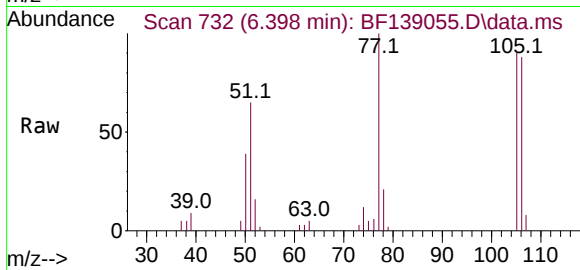
Tgt Ion: 77 Resp: 24790

Ion Ratio Lower Upper

77 100

105 90.4 72.9 112.9

106 88.5 68.4 108.4



#10

Phenol

Concen: 8.279 ng

RT: 6.498 min Scan# 749

Delta R.T. -0.000 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

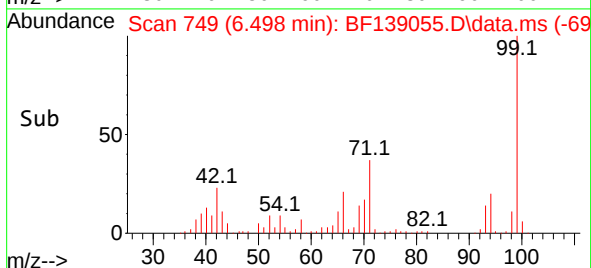
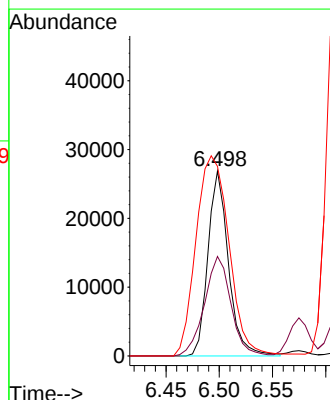
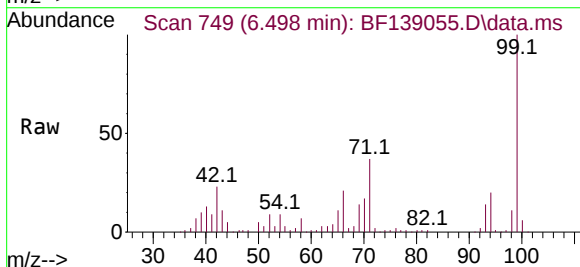
Tgt Ion: 94 Resp: 36087

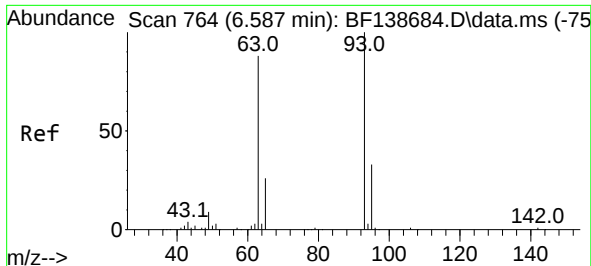
Ion Ratio Lower Upper

94 100

65 53.8 16.9 56.9

66 102.5 36.5 76.5#

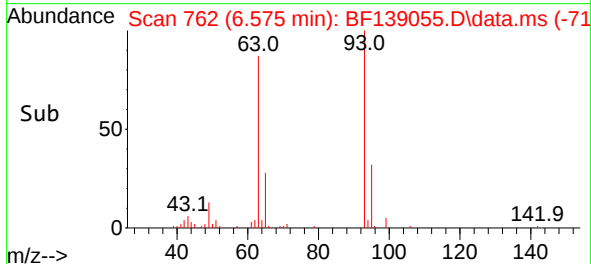
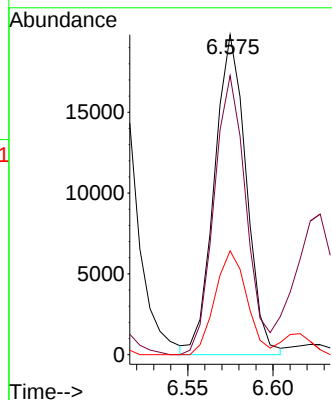
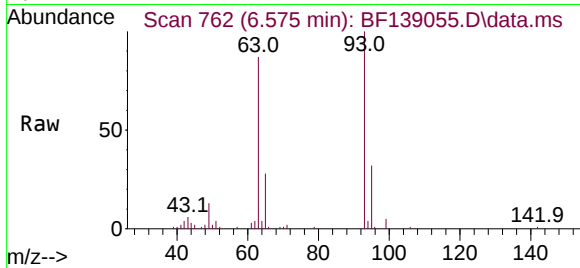




#11
bis(2-Chloroethyl)ether
Concen: 7.673 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

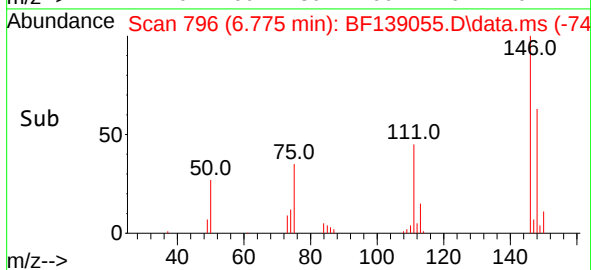
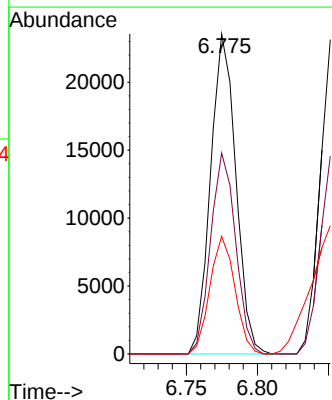
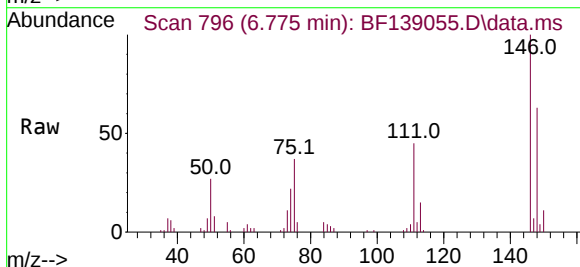
Instrument :
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LOD-MDL-SOIL-01-QT3-2024

Tgt Ion: 93	Resp: 25737
Ion Ratio	Lower Upper
93 100	
63 87.2	65.3 105.3
95 32.4	12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 8.025 ng
RT: 6.775 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

Tgt Ion:146	Resp: 29144
Ion Ratio	Lower Upper
146 100	
148 62.8	51.2 76.8
75 36.7	27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 8.184 ng

RT: 6.851 min Scan# 809

Delta R.T. -0.012 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

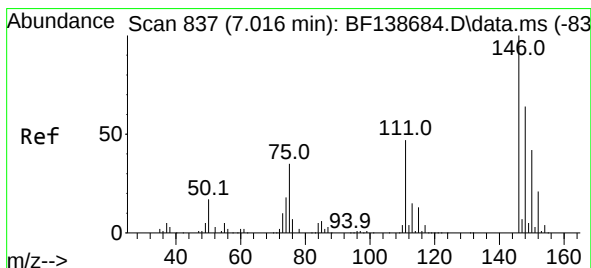
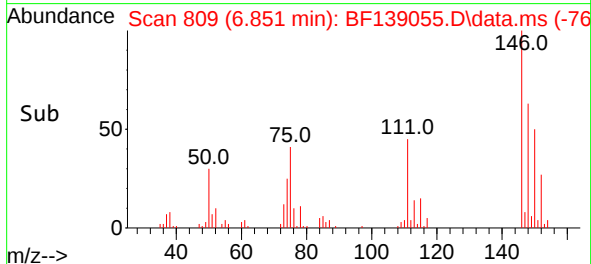
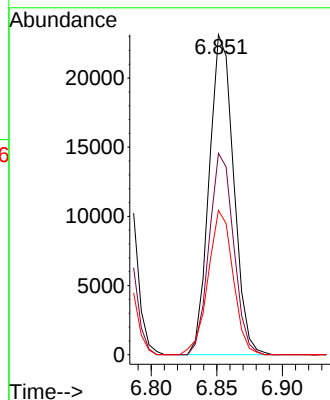
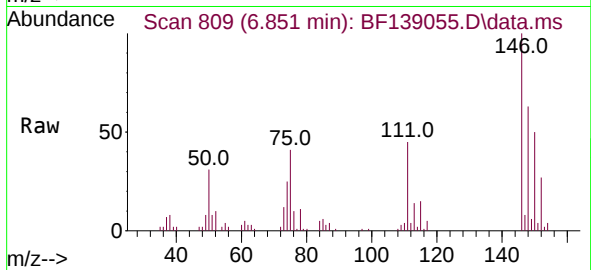
Tgt Ion:146 Resp: 29995

Ion Ratio Lower Upper

146 100

148 62.9 50.2 75.2

111 45.1 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 8.201 ng

RT: 7.004 min Scan# 835

Delta R.T. -0.012 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

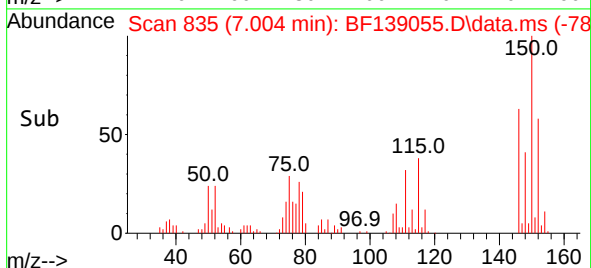
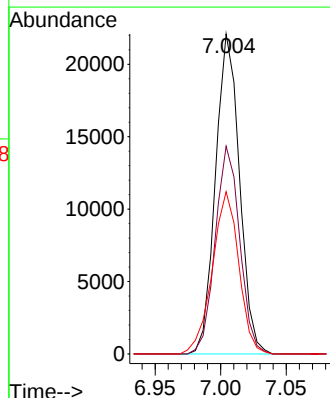
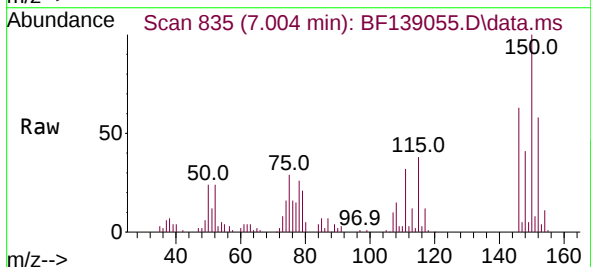
Tgt Ion:146 Resp: 28091

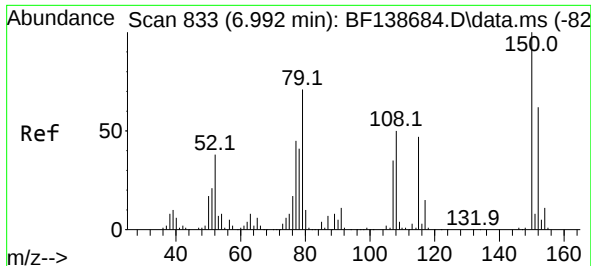
Ion Ratio Lower Upper

146 100

148 64.9 50.8 76.2

111 50.7 37.4 56.2

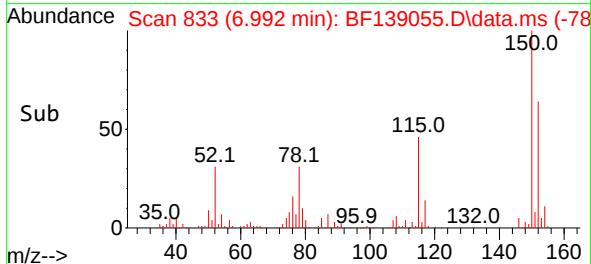
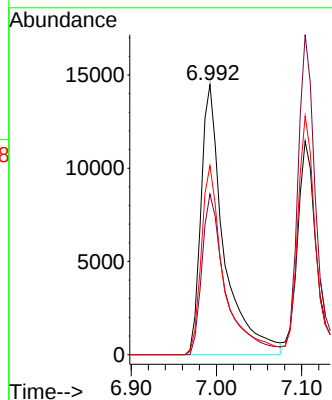
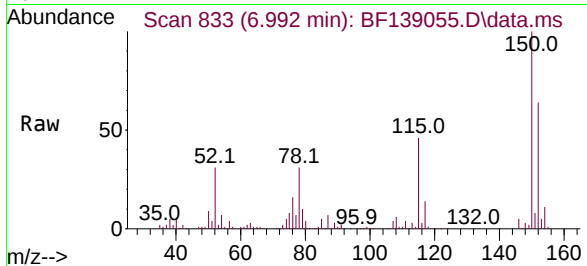




#15
Benzyl Alcohol
Concen: 9.109 ng
RT: 6.992 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

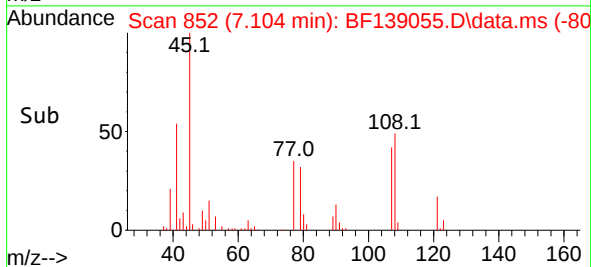
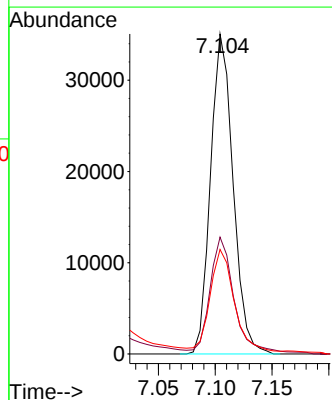
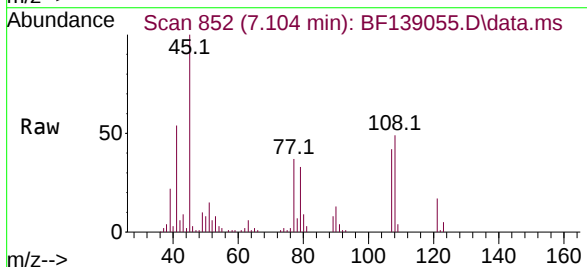
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion: 79 Resp: 27180
Ion Ratio Lower Upper
79 100
108 59.4 56.6 85.0
77 70.0 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.379 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.018 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

Tgt Ion: 45 Resp: 48370
Ion Ratio Lower Upper
45 100
77 36.5 0.0 34.9#
79 32.7 0.0 32.2#

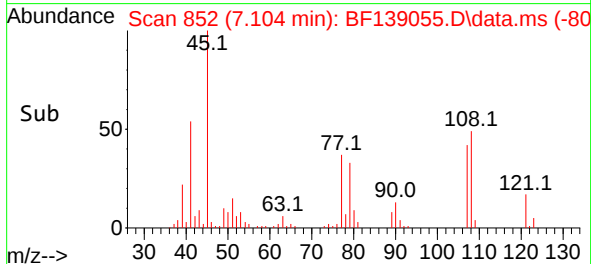
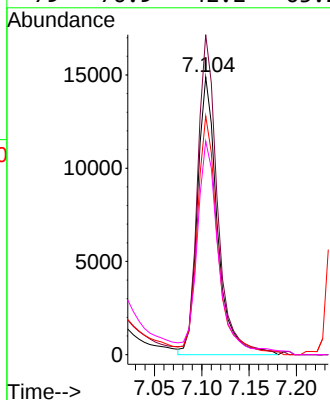
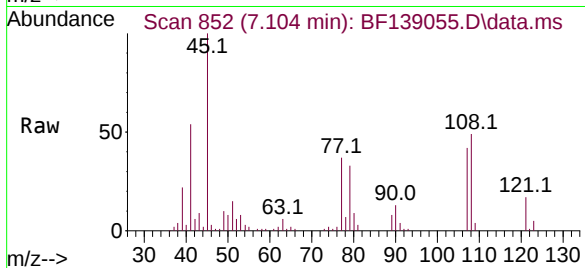




#17
2-Methylphenol
Concen: 8.143 ng
RT: 7.104 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

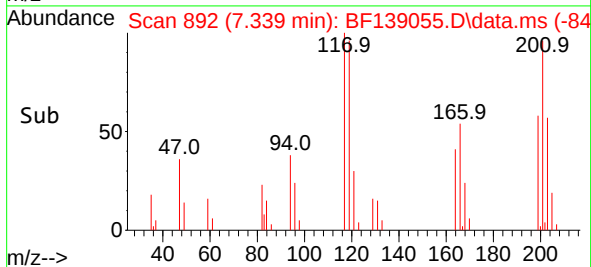
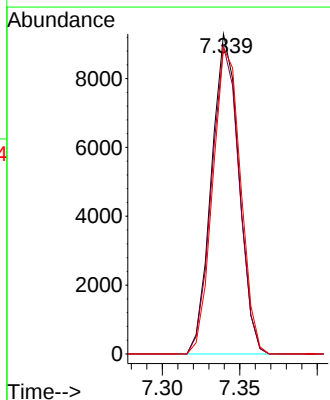
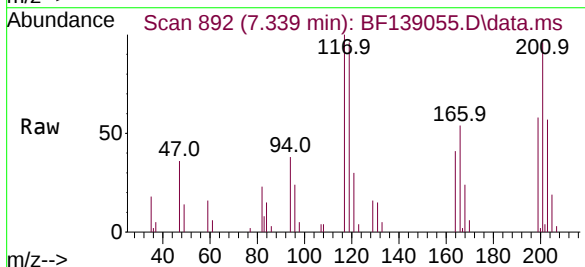
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:	107	Resp:	21814
Ion	Ratio	Lower	Upper
107	100		
108	115.2	89.2	133.8
77	85.9	43.0	64.4#
79	76.9	42.2	63.2#



#18
Hexachloroethane
Concen: 8.269 ng
RT: 7.339 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

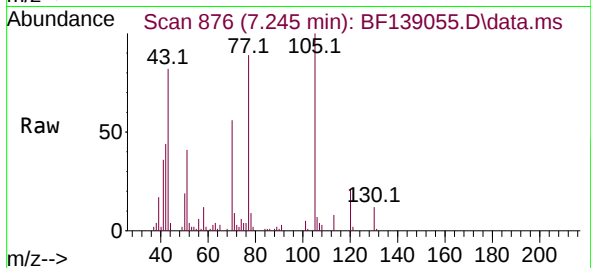
Tgt Ion:	117	Resp:	11408
Ion	Ratio	Lower	Upper
117	100		
119	96.3	74.6	111.8
201	95.7	77.2	115.8



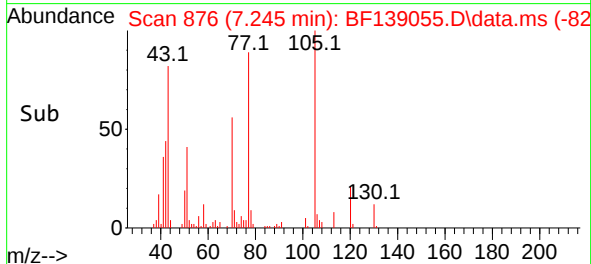
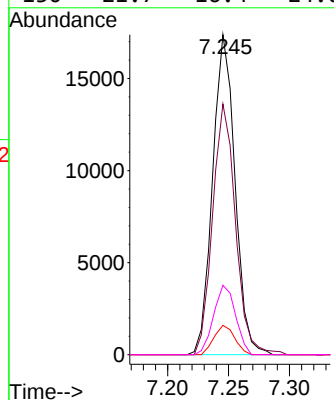


#19
n-Nitroso-di-n-propylamine
Concen: 8.869 ng
RT: 7.245 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

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

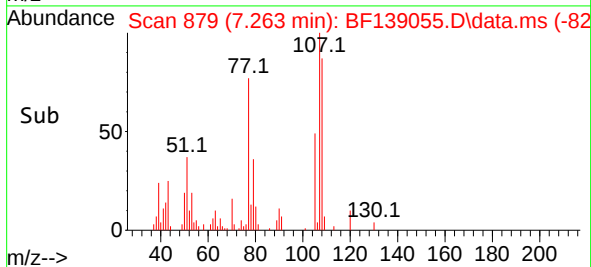
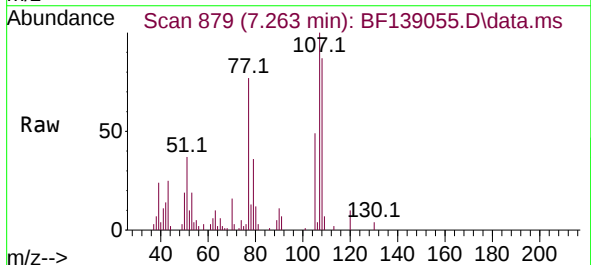
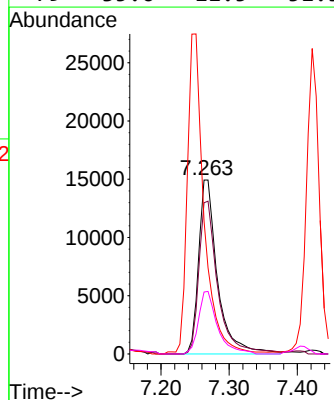


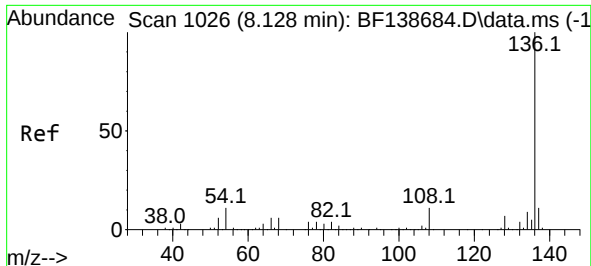
Tgt Ion:	70	Resp:	22177
Ion	Ratio	Lower	Upper
70	100		
42	78.4	57.4	86.0
101	9.2	7.5	11.3
130	21.7	16.4	24.6



#20
3+4-Methylphenols
Concen: 8.377 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

Tgt Ion:	107	Resp:	28795
Ion	Ratio	Lower	Upper
107	100		
108	87.0	68.2	108.2
77	76.6	132.1	172.1#
79	35.6	11.5	51.5

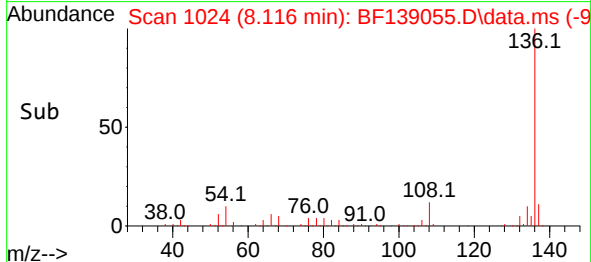
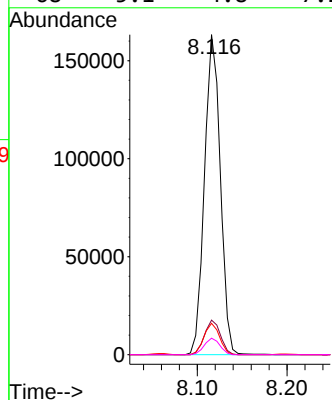
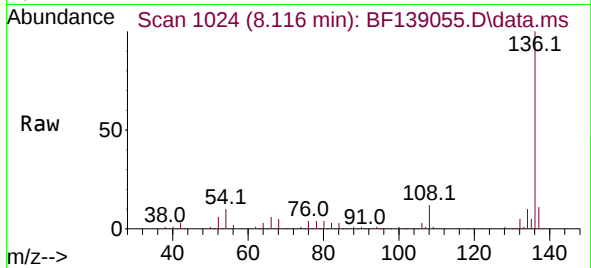




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

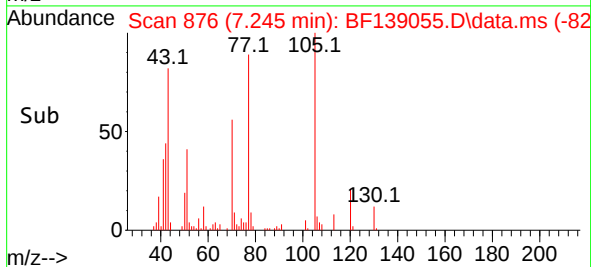
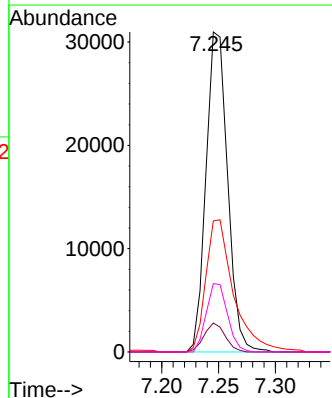
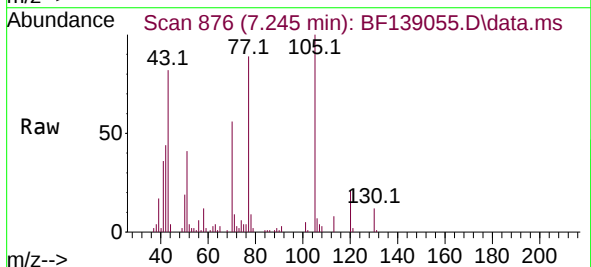
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:136	Resp: 200267
Ion Ratio	Lower Upper
136 100	
137 10.8	8.9 13.3
54 9.8	8.6 12.8
68 5.1	4.8 7.2



#22
Acetophenone
Concen: 8.373 ng
RT: 7.245 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

Tgt	Ion:105	Resp:	41055
Ion	Ratio	Lower	Upper
105	100		
71	9.1	7.2	10.8
51	41.0	35.9	53.9
120	21.4	17.6	26.4





#23

Nitrobenzene-d5

Concen: 87.888 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

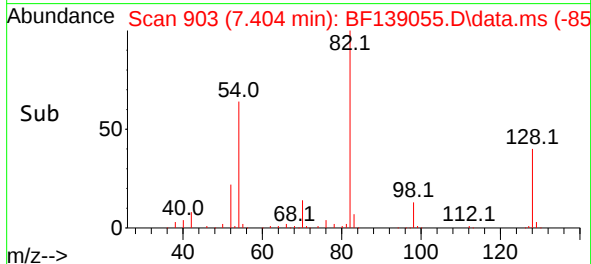
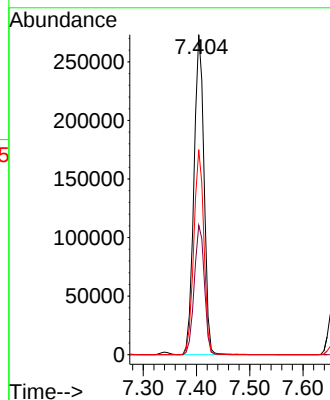
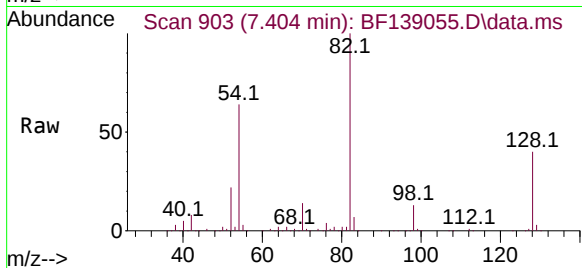
Tgt Ion: 82 Resp: 360003

Ion Ratio Lower Upper

82 100

128 40.5 32.8 49.2

54 64.1 48.3 72.5



#24

Nitrobenzene

Concen: 8.294 ng

RT: 7.422 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

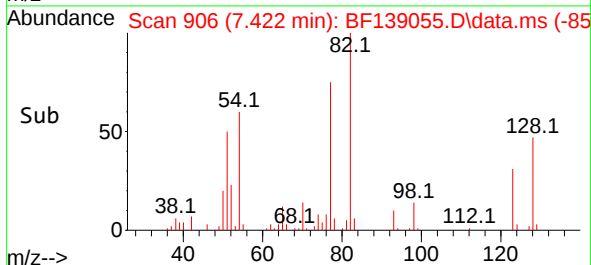
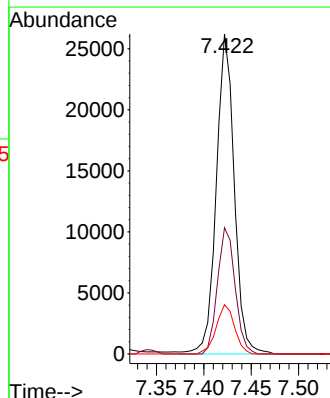
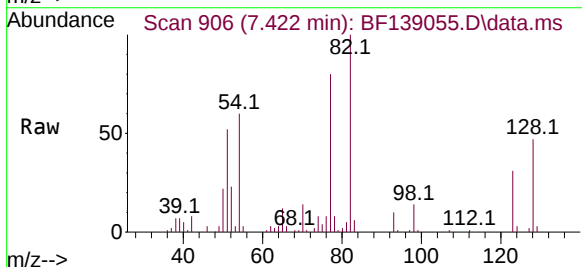
Tgt Ion: 77 Resp: 34572

Ion Ratio Lower Upper

77 100

123 39.5 33.3 49.9

65 15.4 11.9 17.9

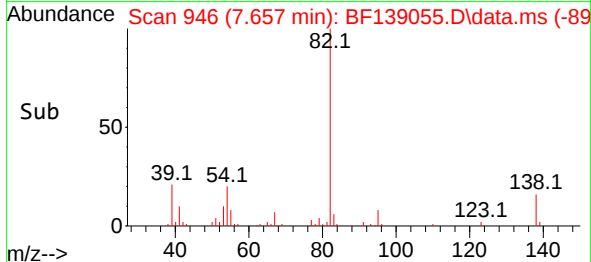
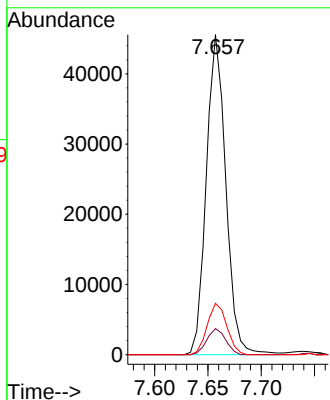
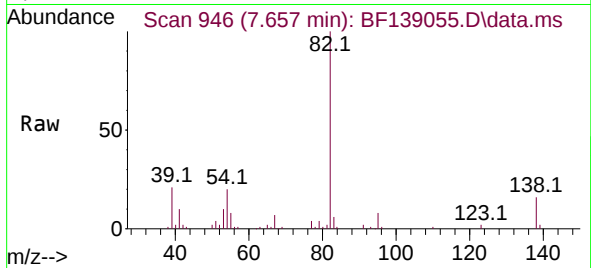




#25
Isophorone
Concen: 8.304 ng
RT: 7.657 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

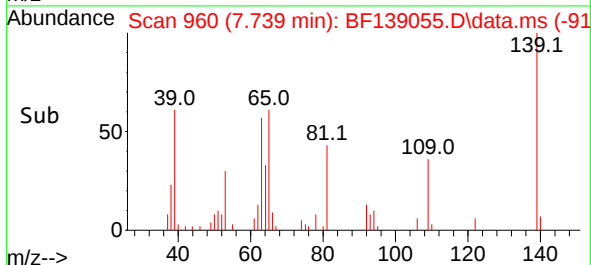
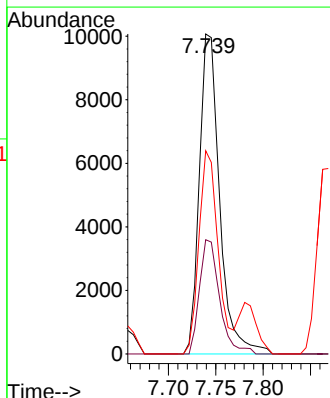
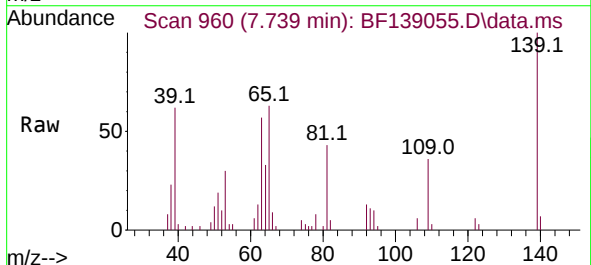
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

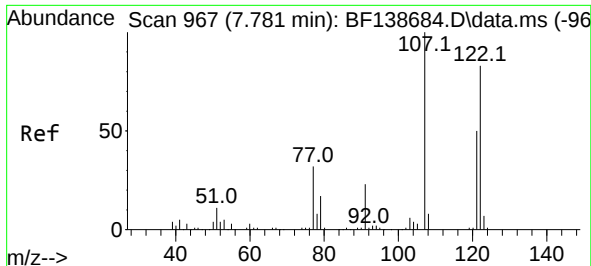
Tgt Ion: 82 Resp: 58079
Ion Ratio Lower Upper
82 100
95 8.2 5.7 8.5
138 16.1 13.7 20.5



#26
2-Nitrophenol
Concen: 8.358 ng
RT: 7.739 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

Tgt Ion:139 Resp: 14989
Ion Ratio Lower Upper
139 100
109 35.7 25.9 38.9
65 63.5 47.0 70.6





#27

2,4-Dimethylphenol

Concen: 7.315 ng

RT: 7.781 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

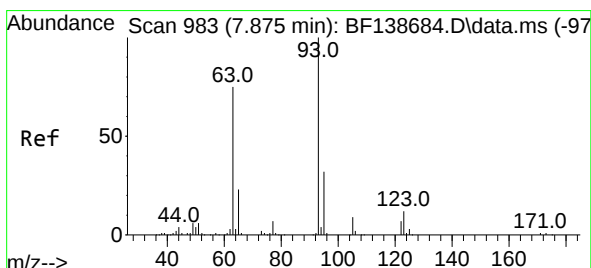
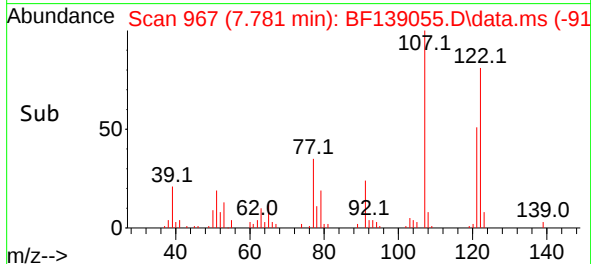
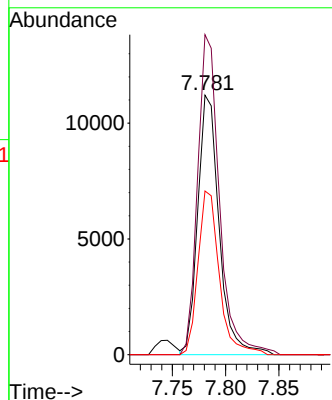
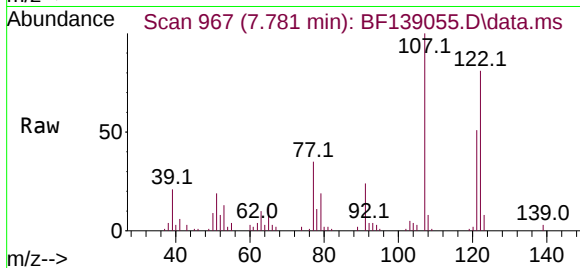
Tgt Ion:122 Resp: 15694

Ion Ratio Lower Upper

122 100

107 123.3 95.0 142.6

121 63.1 47.3 70.9



#28

bis(2-Chloroethoxy)methane

Concen: 7.925 ng

RT: 7.869 min Scan# 982

Delta R.T. -0.006 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

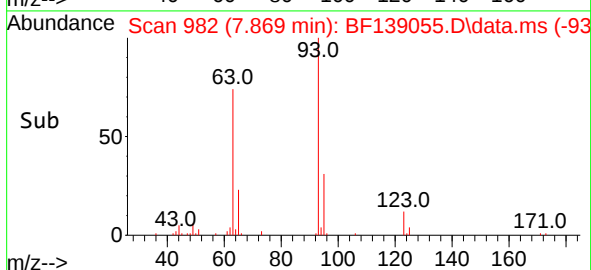
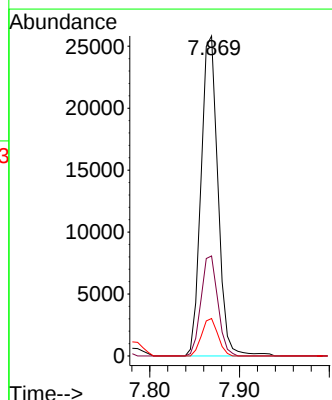
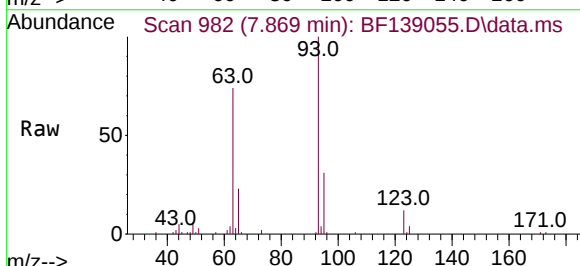
Tgt Ion: 93 Resp: 33754

Ion Ratio Lower Upper

93 100

95 31.2 25.8 38.8

123 11.7 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 8.146 ng

RT: 7.998 min Scan# 1003

Delta R.T. 0.006 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

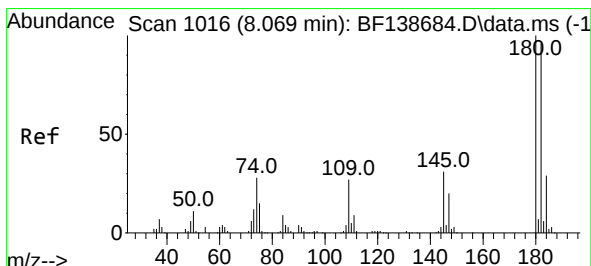
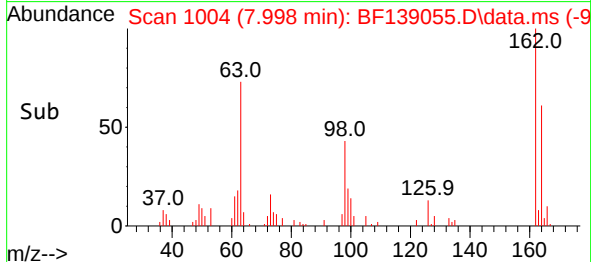
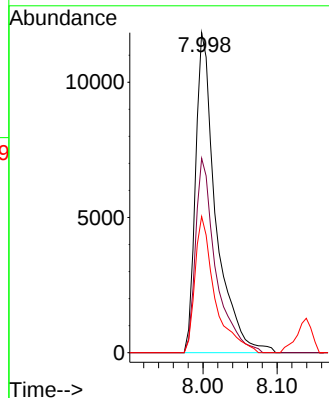
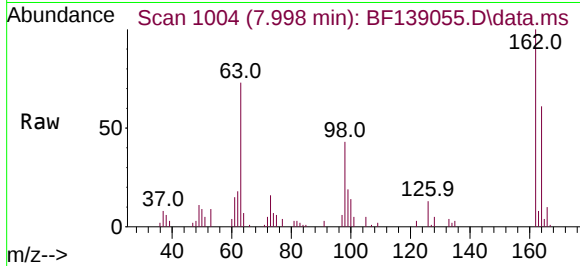
Tgt Ion:162 Resp: 22458

Ion Ratio Lower Upper

162 100

164 60.7 44.7 84.7

98 42.6 20.8 60.8



#30

1,2,4-Trichlorobenzene

Concen: 7.959 ng

RT: 8.057 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

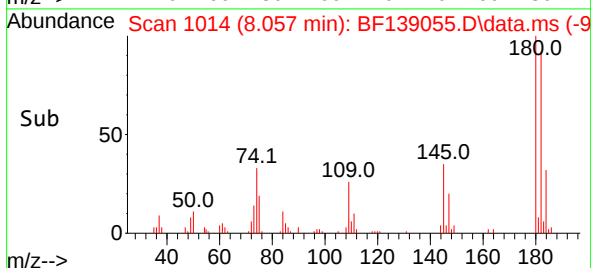
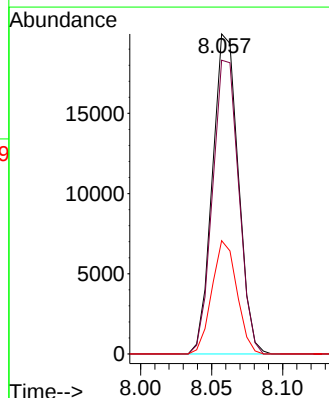
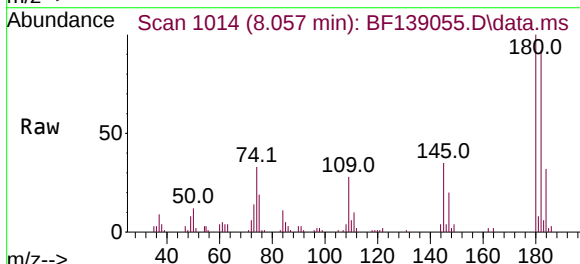
Tgt Ion:180 Resp: 25322

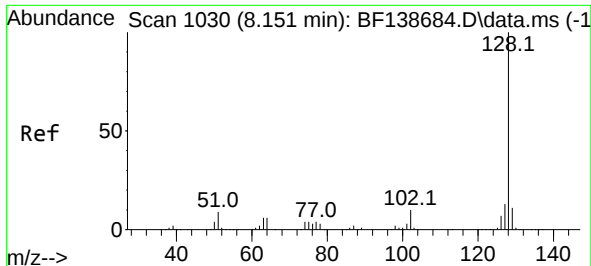
Ion Ratio Lower Upper

180 100

182 91.8 76.9 115.3

145 35.4 25.0 37.4

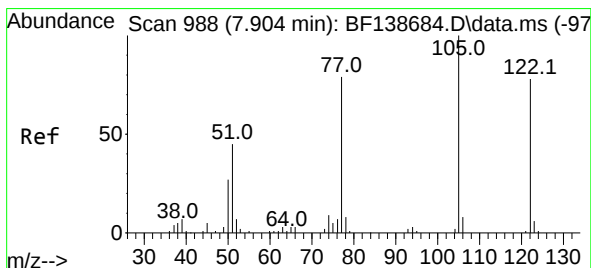
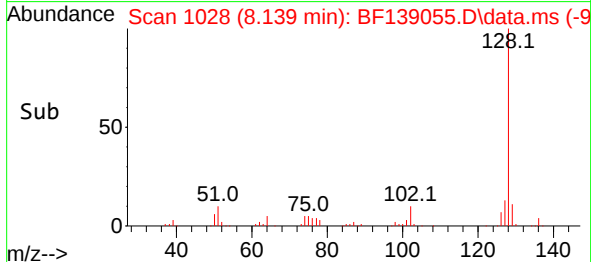
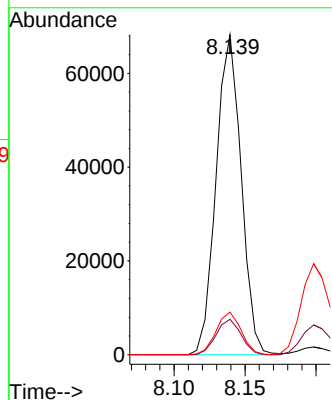
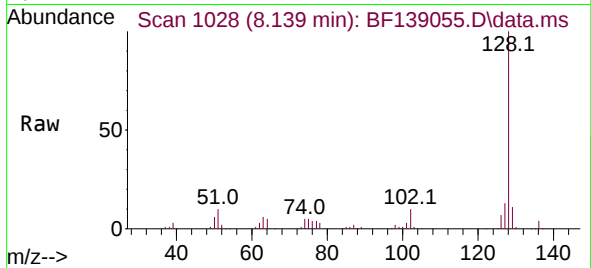




#31
Naphthalene
Concen: 7.941 ng
RT: 8.139 min Scan# 1028
Delta R.T. -0.012 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

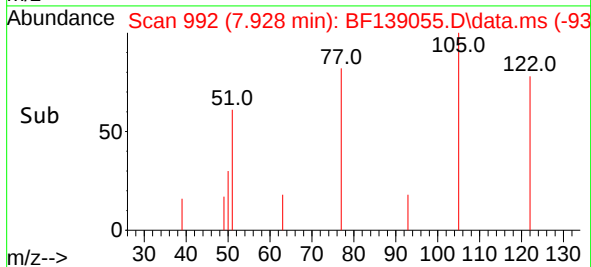
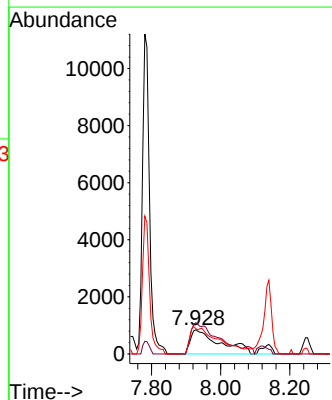
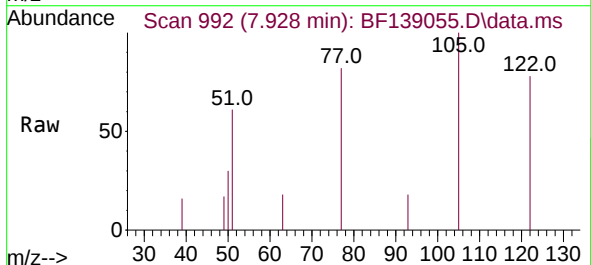
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:128 Resp: 83711
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.3 10.6 16.0



#32
Benzoic acid
Concen: 3.295 ng m
RT: 7.928 min Scan# 992
Delta R.T. 0.024 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

Tgt Ion:122 Resp: 5557
Ion Ratio Lower Upper
122 100
105 128.7 106.7 146.7
77 105.2 81.1 121.1

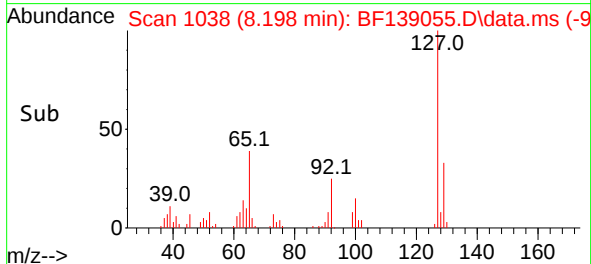
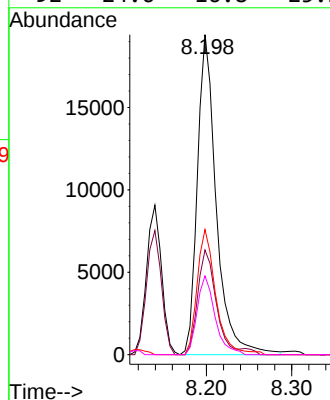
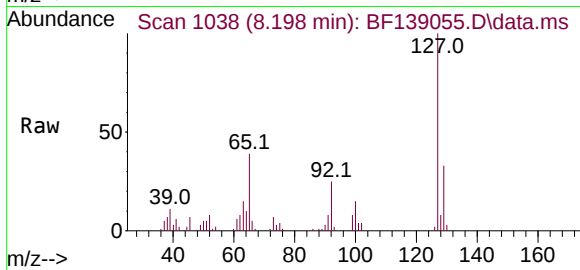




#33
4-Chloroaniline
Concen: 8.471 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

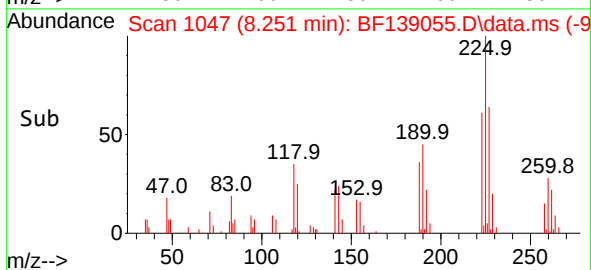
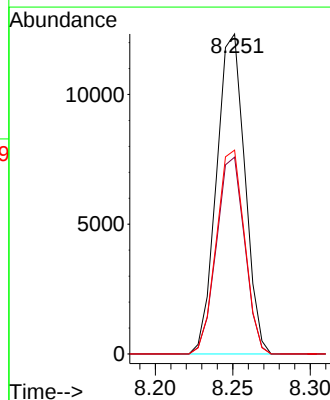
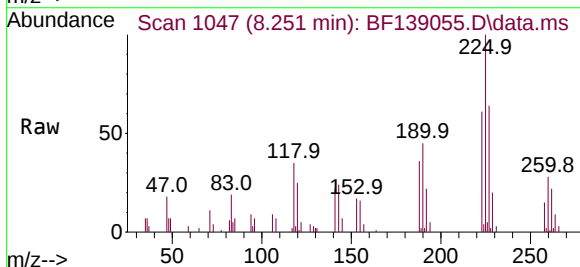
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

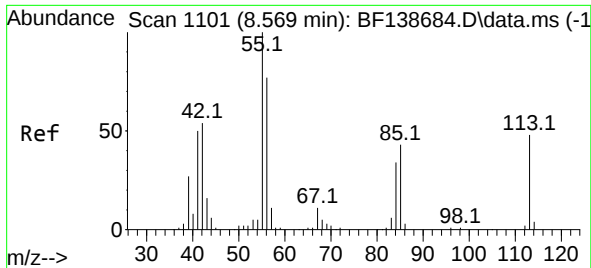
Tgt Ion:	127	Resp:	29973
Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.9	38.9
65	39.1	27.6	41.4
92	24.6	16.8	25.2



#34
Hexachlorobutadiene
Concen: 8.137 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.012 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

Tgt Ion:	225	Resp:	15681
Ion	Ratio	Lower	Upper
225	100		
223	61.5	51.2	76.8
227	63.7	51.1	76.7

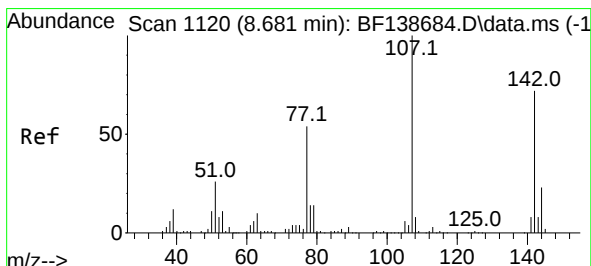
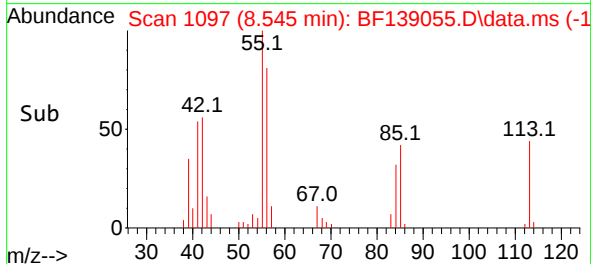
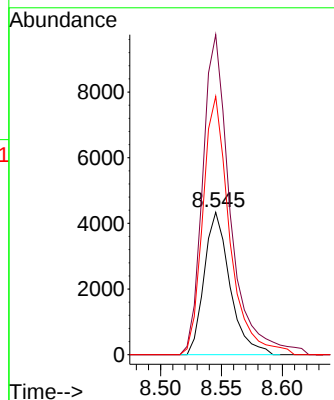
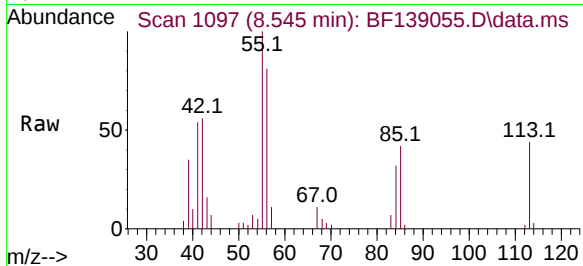




#35
 Caprolactam
 Concen: 7.758 ng
 RT: 8.545 min Scan# 1101
 Delta R.T. -0.024 min
 Lab File: BF139055.D
 Acq: 16 Aug 2024 13:54

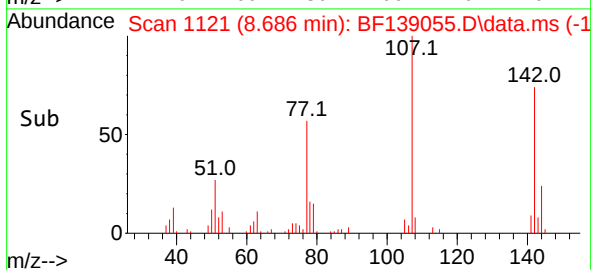
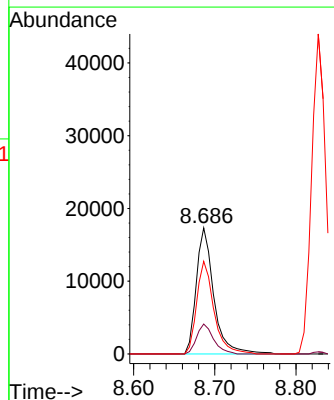
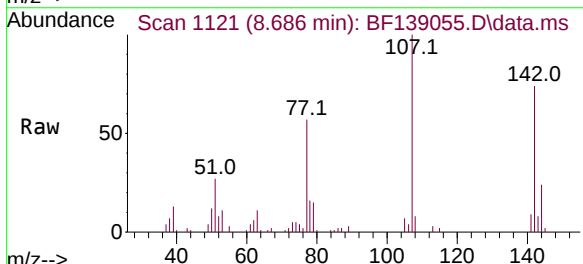
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2024

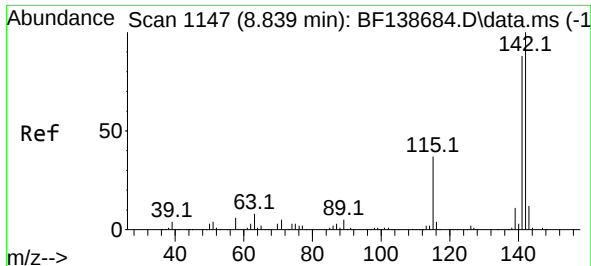
Tgt Ion:113 Resp: 6382
 Ion Ratio Lower Upper
 113 100
 55 224.7 186.7 226.7
 56 181.4 138.9 178.9#



#36
 4-Chloro-3-methylphenol
 Concen: 8.267 ng
 RT: 8.686 min Scan# 1121
 Delta R.T. 0.006 min
 Lab File: BF139055.D
 Acq: 16 Aug 2024 13:54

Tgt Ion:107 Resp: 26048
 Ion Ratio Lower Upper
 107 100
 144 23.8 18.2 27.2
 142 73.5 57.4 86.2

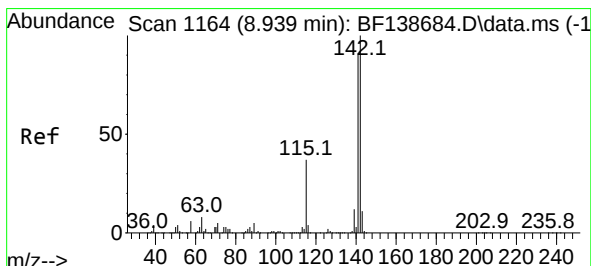
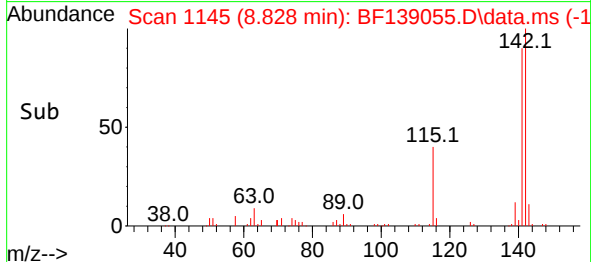
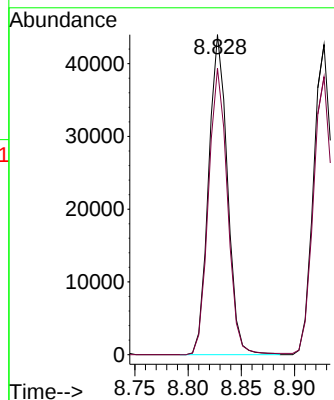
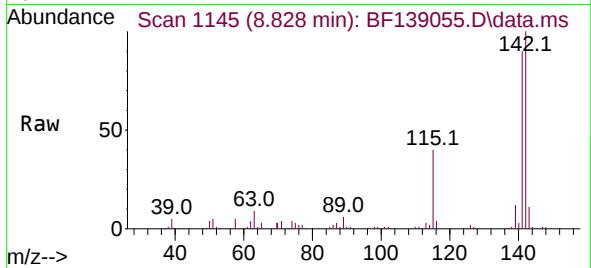




#37
2-Methylnaphthalene
Concen: 8.124 ng
RT: 8.828 min Scan# 1145
Delta R.T. -0.012 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

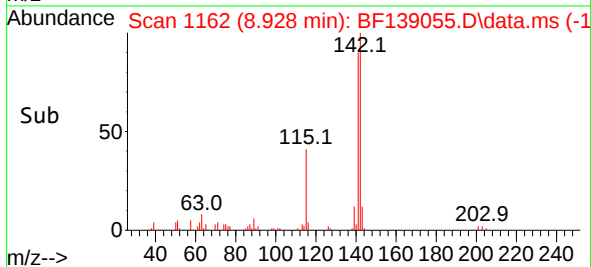
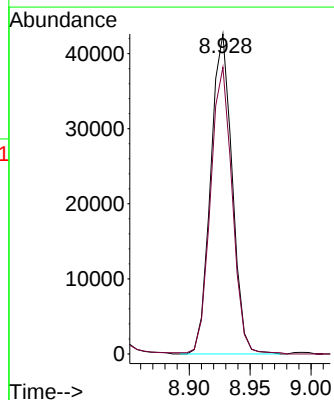
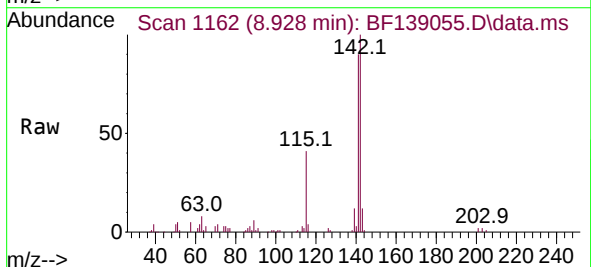
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:142 Resp: 54088
Ion Ratio Lower Upper
142 100
141 89.5 70.8 106.2



#38
1-Methylnaphthalene
Concen: 8.034 ng
RT: 8.928 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

Tgt Ion:142 Resp: 52413
Ion Ratio Lower Upper
142 100
141 89.6 73.1 109.7

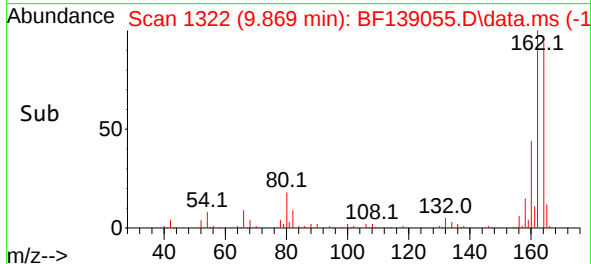
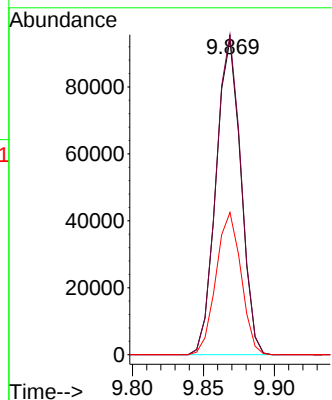
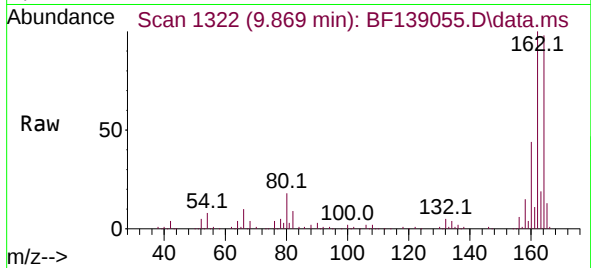




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1173
Delta R.T. -0.011 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

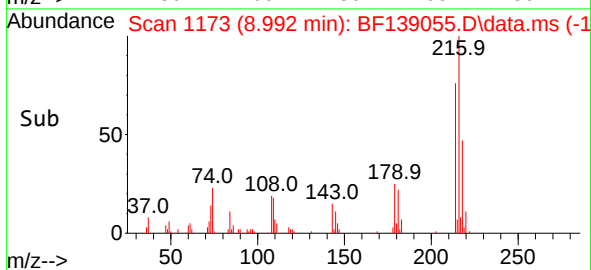
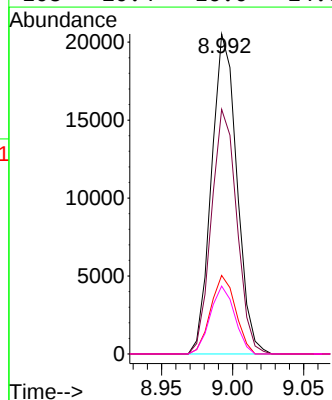
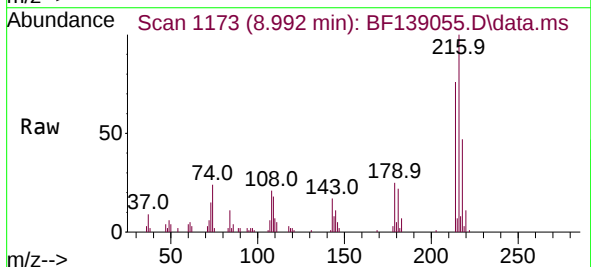
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:164 Resp: 114429
Ion Ratio Lower Upper
164 100
162 101.6 79.4 119.0
160 45.2 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.027 ng
RT: 8.992 min Scan# 1173
Delta R.T. -0.012 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

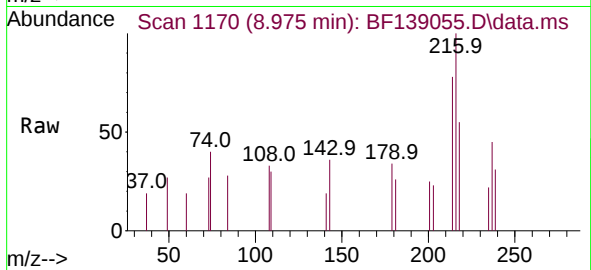
Tgt Ion:216 Resp: 25514
Ion Ratio Lower Upper
216 100
214 76.3 63.9 95.9
179 24.0 17.8 26.6
108 20.4 16.0 24.0



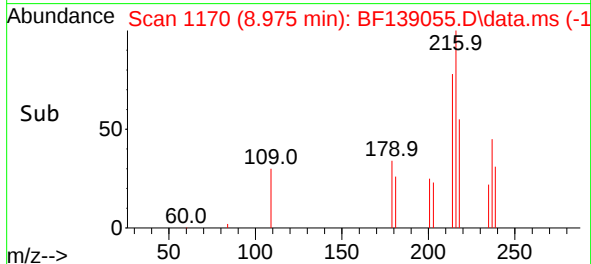
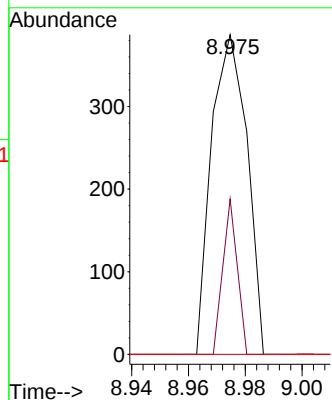


#41
Hexachlorocyclopentadiene
Concen: 7.330 ng
RT: 8.975 min Scan# 1172
Delta R.T. -0.011 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

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

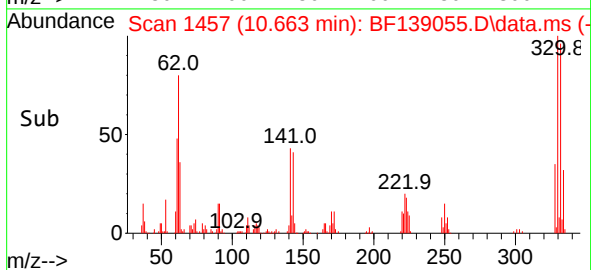
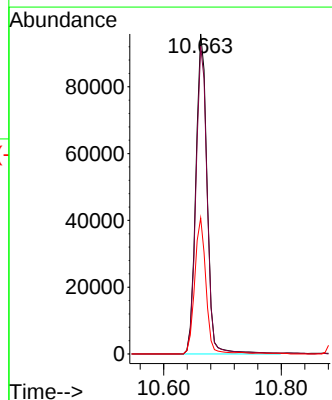
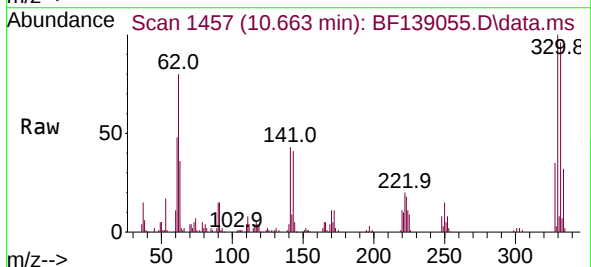


Tgt Ion:237 Resp: 336
Ion Ratio Lower Upper
237 100
235 48.6 41.8 81.8
272 0.0 0.0 32.2



#42
2,4,6-Tribromophenol
Concen: 136.585 ng
RT: 10.663 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

Tgt Ion:330 Resp: 128025
Ion Ratio Lower Upper
330 100
332 96.5 76.4 114.6
141 41.8 31.1 46.7





#43

2,4,6-Trichlorophenol

Concen: 7.103 ng

RT: 9.116 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

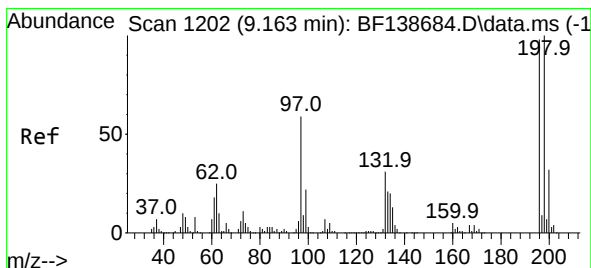
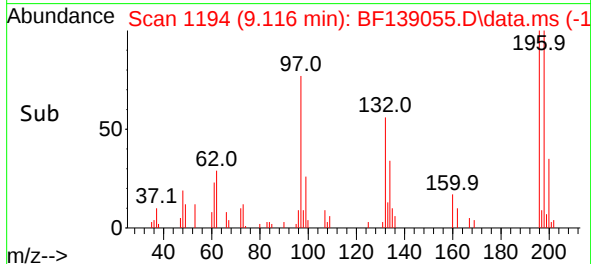
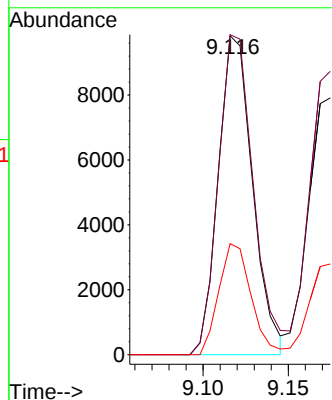
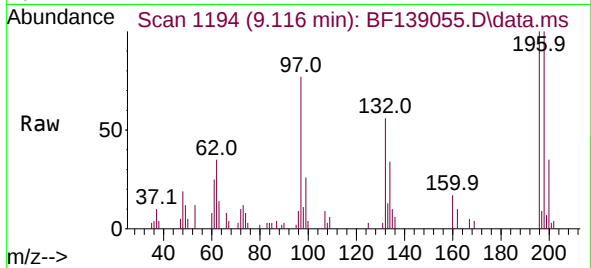
Tgt Ion:196 Resp: 13766

Ion Ratio Lower Upper

196 100

198 100.3 80.5 120.7

200 34.8 25.9 38.9



#44

2,4,5-Trichlorophenol

Concen: 7.148 ng

RT: 9.175 min Scan# 1204

Delta R.T. 0.012 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

Tgt Ion:196 Resp: 15144

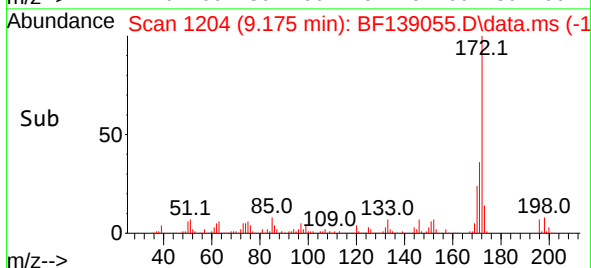
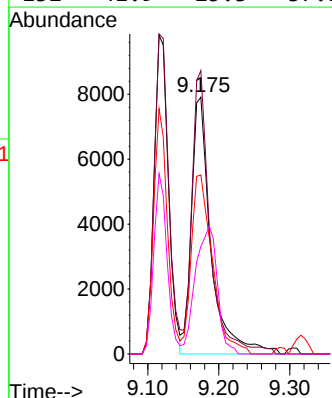
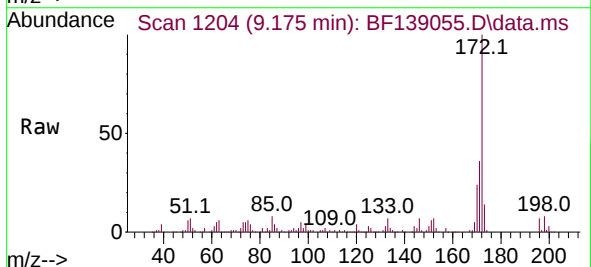
Ion Ratio Lower Upper

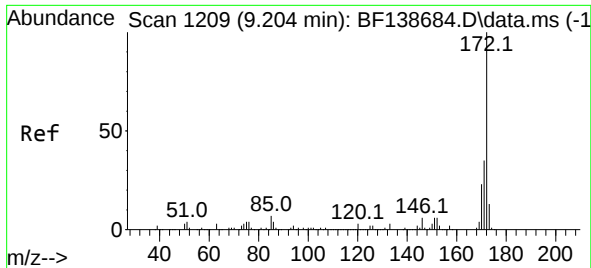
196 100

198 110.3 81.2 121.8

97 69.6 47.8 71.6

132 41.9 25.3 37.9#

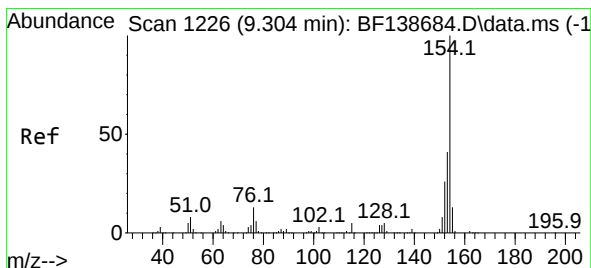
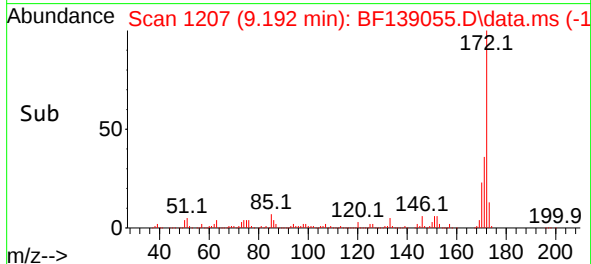
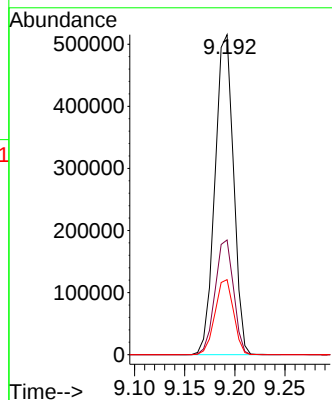
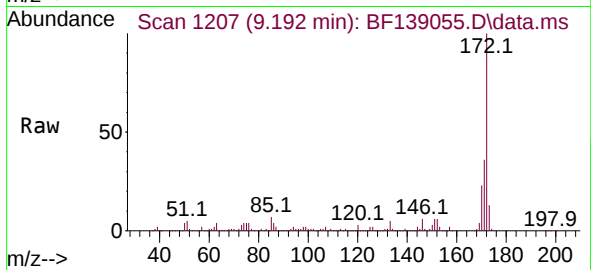




#45
2-Fluorobiphenyl
Concen: 87.102 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

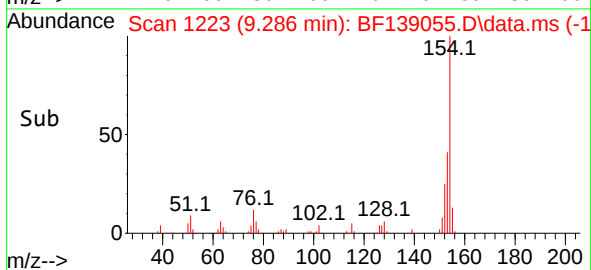
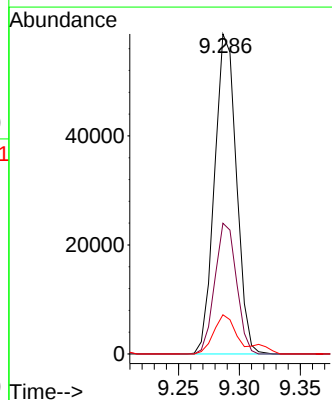
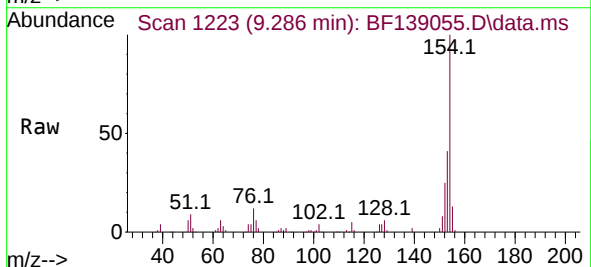
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:172 Resp: 663360
Ion Ratio Lower Upper
172 100
171 35.8 28.3 42.5
170 23.4 18.8 28.2



#46
1,1'-Biphenyl
Concen: 8.193 ng
RT: 9.286 min Scan# 1223
Delta R.T. -0.018 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

Tgt Ion:154 Resp: 73422
Ion Ratio Lower Upper
154 100
153 40.8 20.8 60.8
76 12.2 0.0 32.8

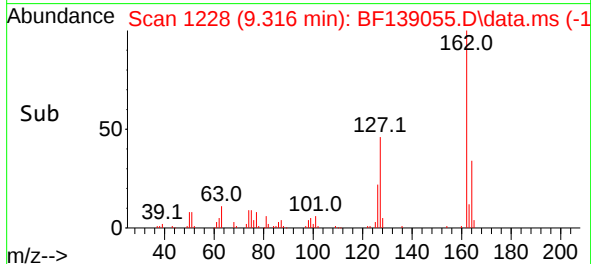
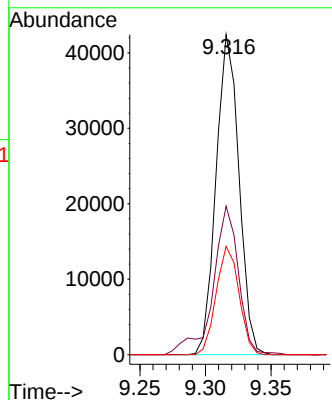
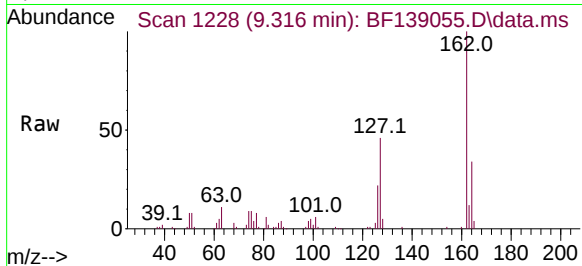




#47
2-Chloronaphthalene
Concen: 7.712 ng
RT: 9.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

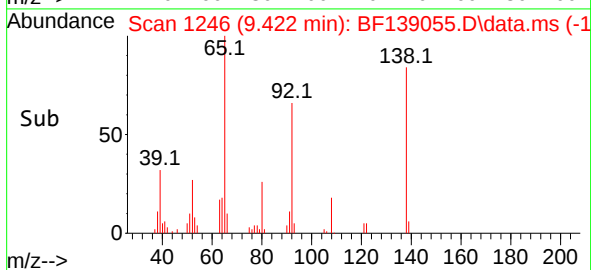
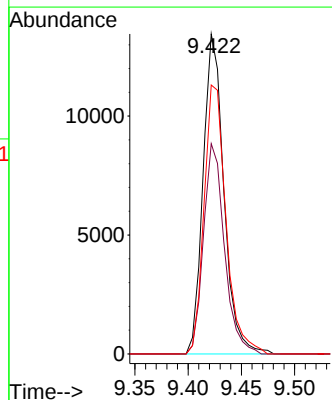
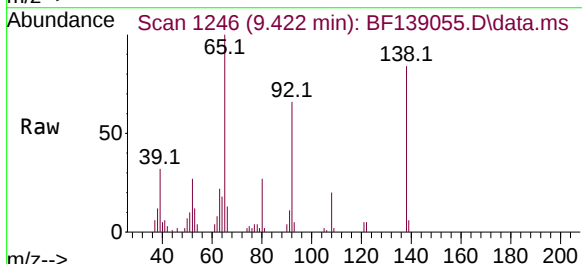
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

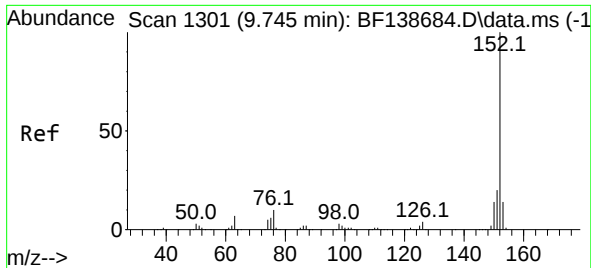
Tgt Ion:162 Resp: 51403
Ion Ratio Lower Upper
162 100
127 46.4 35.4 53.2
164 33.8 25.6 38.4



#48
2-Nitroaniline
Concen: 8.090 ng
RT: 9.422 min Scan# 1246
Delta R.T. -0.006 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

Tgt Ion: 65 Resp: 18280
Ion Ratio Lower Upper
65 100
92 65.7 52.0 78.0
138 84.0 76.2 114.4





#49

Acenaphthylene

Concen: 8.599 ng

RT: 9.728 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

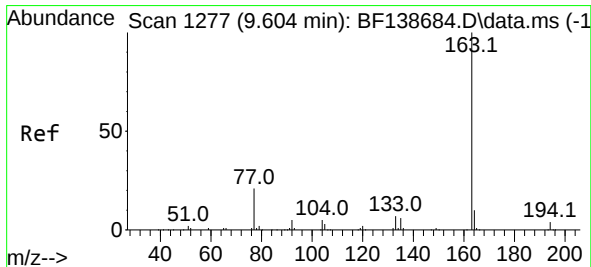
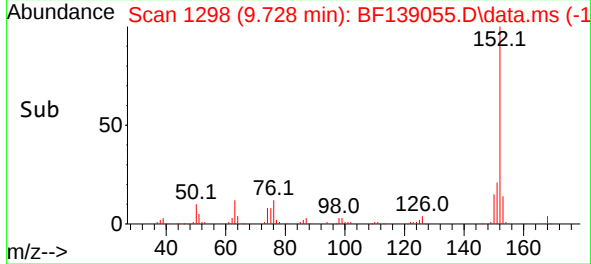
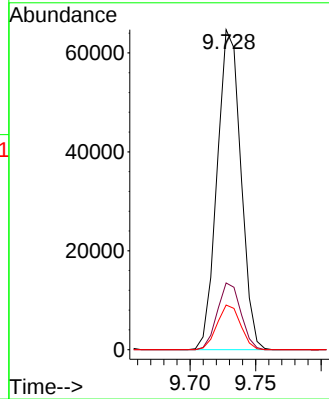
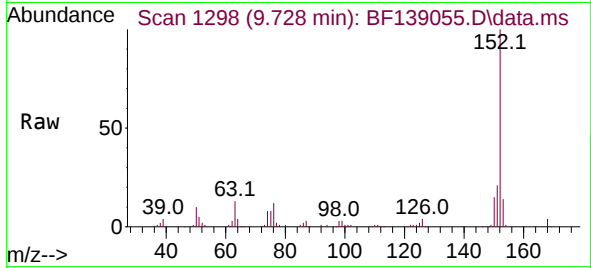
Tgt Ion:152 Resp: 81286

Ion Ratio Lower Upper

152 100

151 20.9 16.0 24.0

153 14.0 11.0 16.4



#50

Dimethylphthalate

Concen: 8.578 ng

RT: 9.586 min Scan# 1274

Delta R.T. -0.018 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

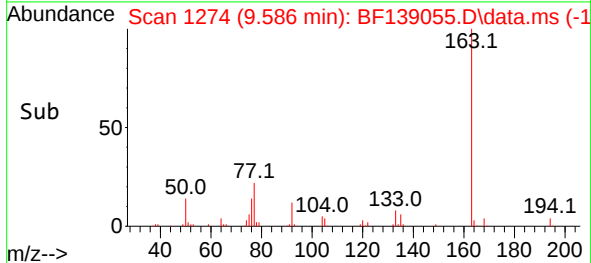
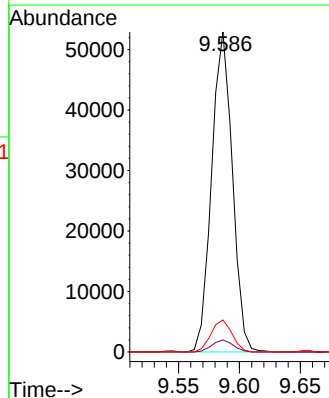
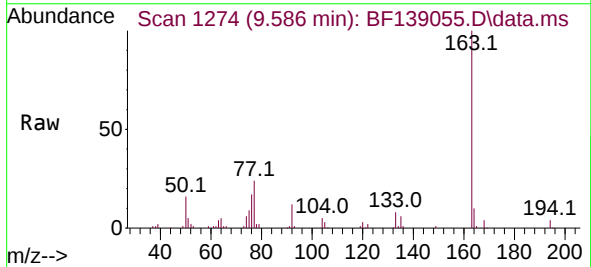
Tgt Ion:163 Resp: 62766

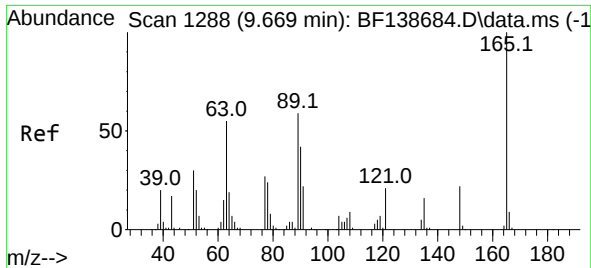
Ion Ratio Lower Upper

163 100

194 3.7 3.1 4.7

164 10.0 7.8 11.8

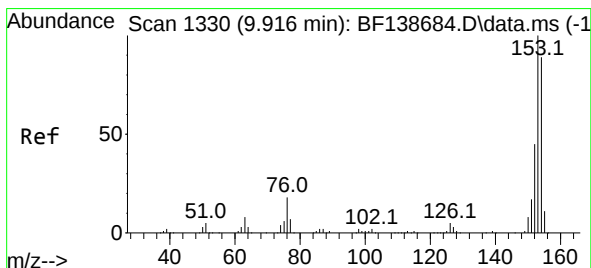
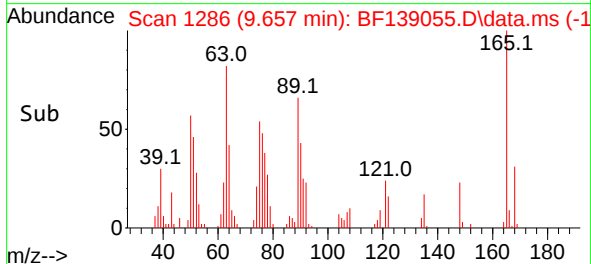
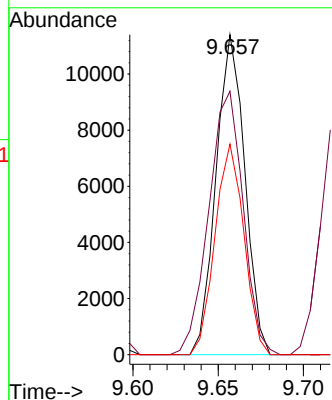
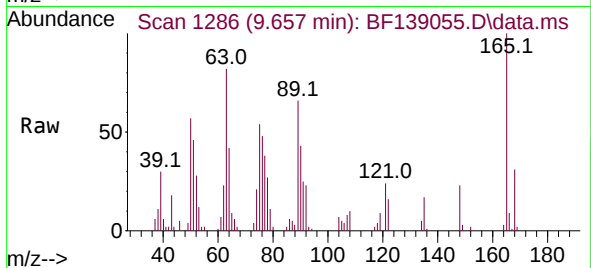




#51
2,6-Dinitrotoluene
Concen: 8.116 ng
RT: 9.657 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

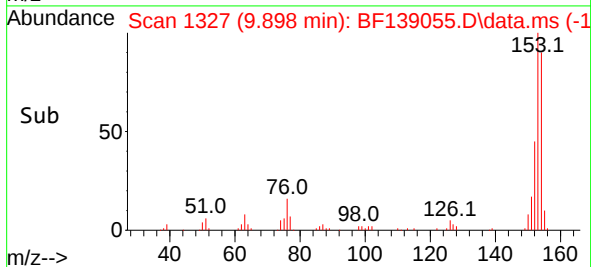
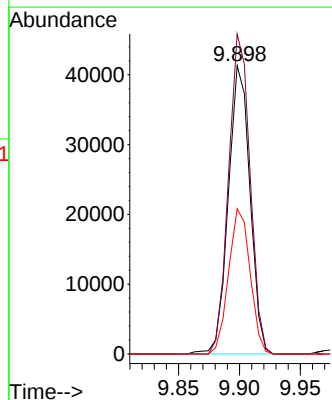
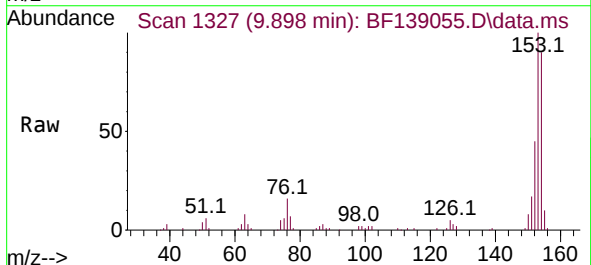
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

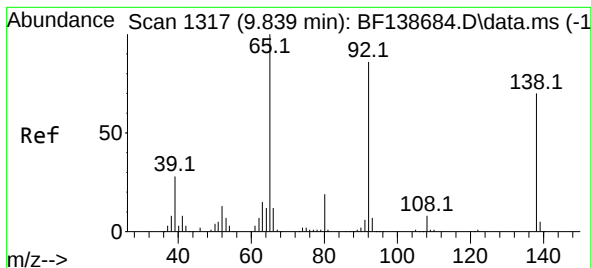
Tgt Ion:165 Resp: 13401
Ion Ratio Lower Upper
165 100
63 82.3 52.0 78.0#
89 65.8 47.0 70.6



#52
Acenaphthene
Concen: 8.026 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.018 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

Tgt Ion:154 Resp: 51003
Ion Ratio Lower Upper
154 100
153 111.0 89.9 134.9
152 50.4 40.6 60.8





#53

3-Nitroaniline

Concen: 7.945 ng

RT: 9.833 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

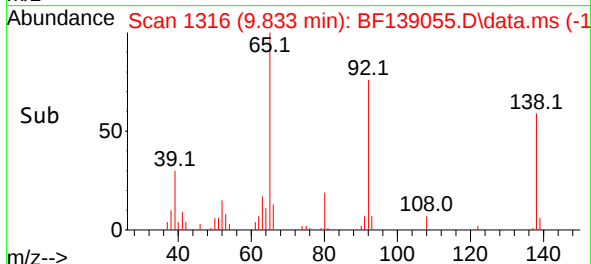
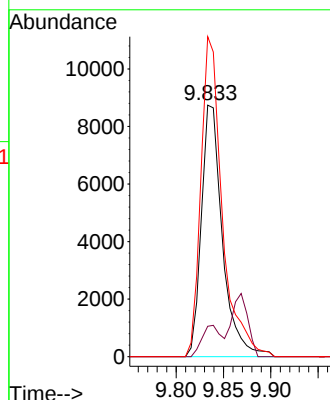
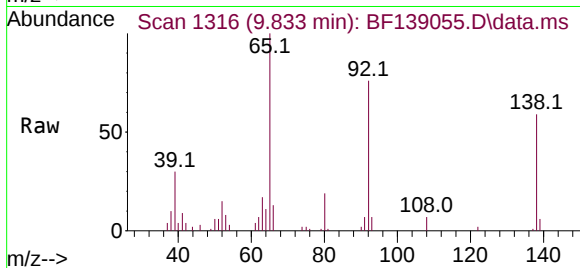
Tgt Ion:138 Resp: 13562

Ion Ratio Lower Upper

138 100

108 12.1 9.1 13.7

92 127.3 98.7 148.1



#54

2,4-Dinitrophenol

Concen: 3.523 ng m

RT: 9.980 min Scan# 1341

Delta R.T. 0.029 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

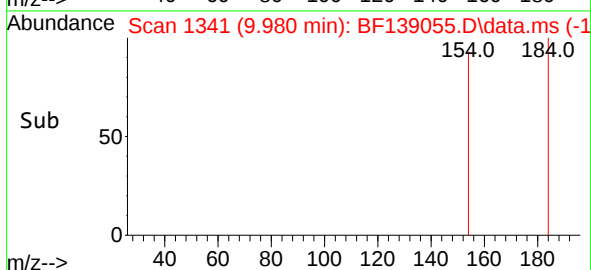
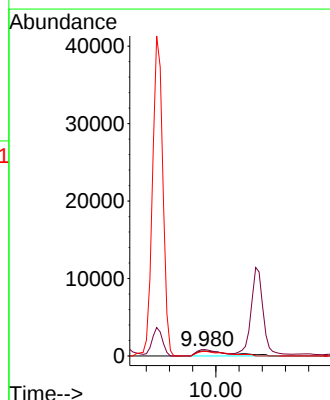
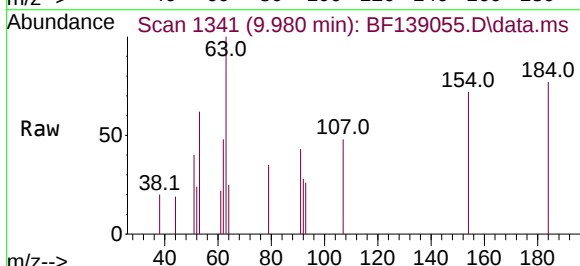
Tgt Ion:184 Resp: 2678

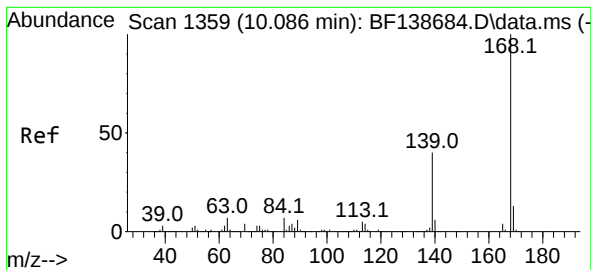
Ion Ratio Lower Upper

184 100

63 129.1 57.5 86.3#

154 92.7 51.7 77.5#





#55

Dibenzenofuran

Concen: 8.575 ng

RT: 10.075 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

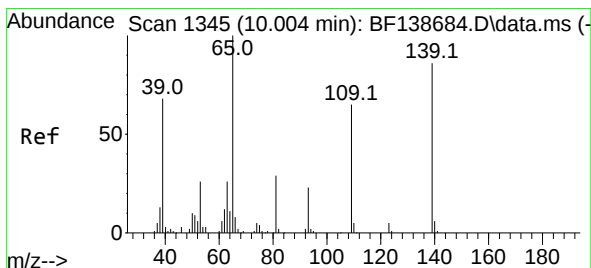
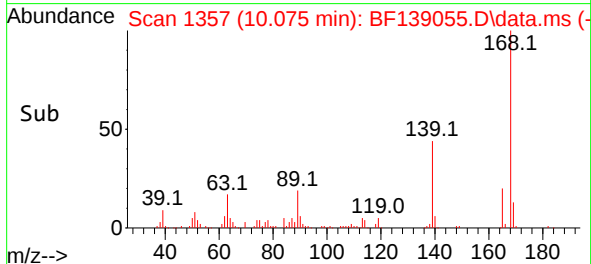
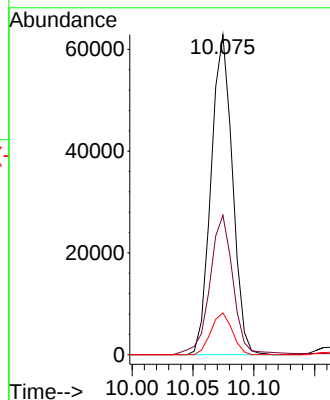
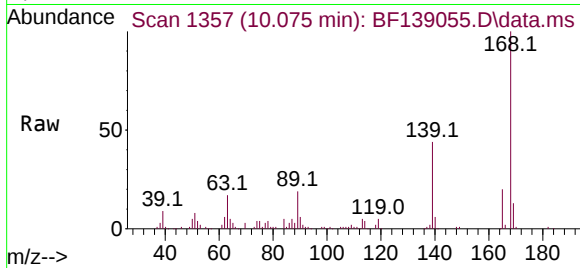
Tgt Ion:168 Resp: 76922

Ion Ratio Lower Upper

168 100

139 43.5 32.6 49.0

169 13.0 10.7 16.1



#56

4-Nitrophenol

Concen: 2.470 ng m

RT: 10.057 min Scan# 1354

Delta R.T. 0.053 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

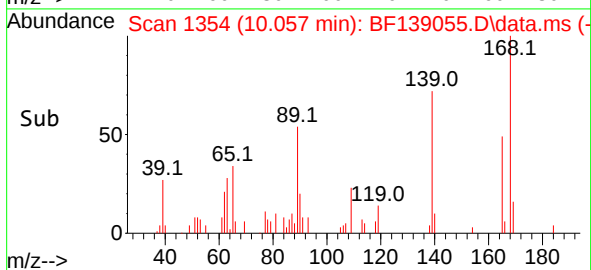
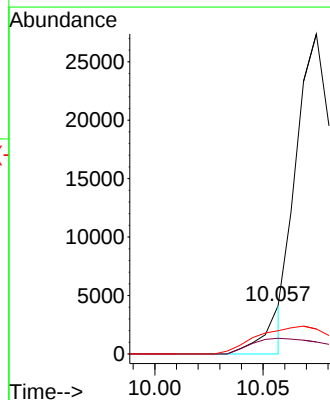
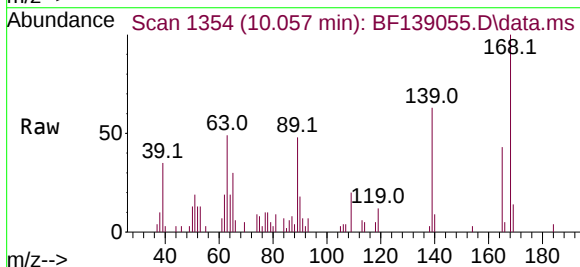
Tgt Ion:139 Resp: 2535

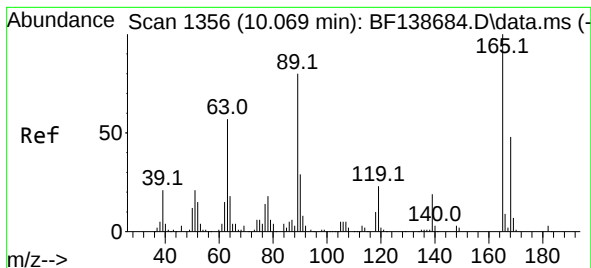
Ion Ratio Lower Upper

139 100

109 32.3 55.5 95.5#

65 47.9 96.7 136.7#

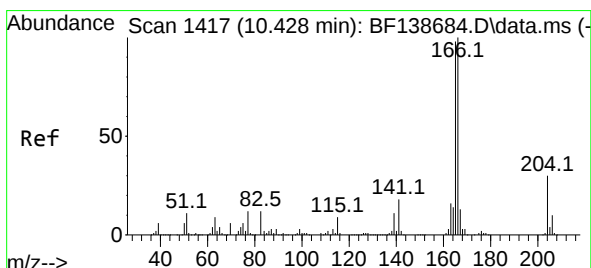
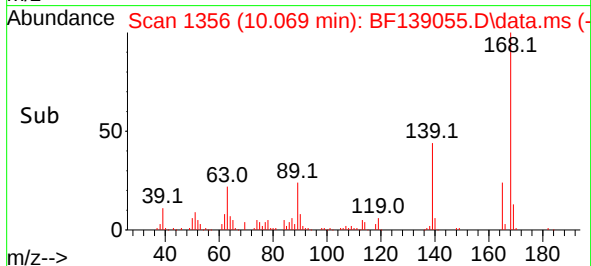
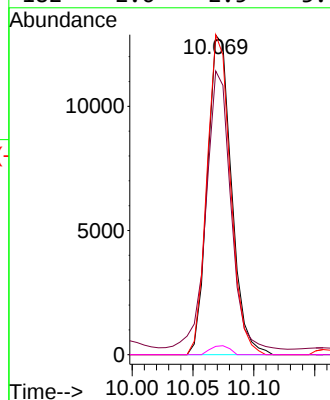
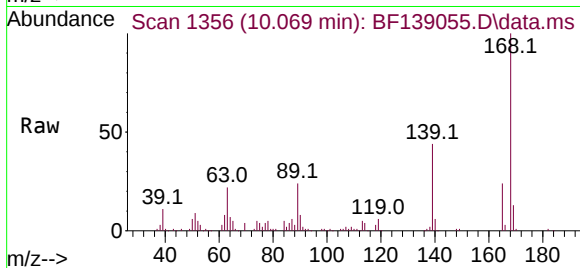




#57
2,4-Dinitrotoluene
Concen: 8.394 ng
RT: 10.069 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

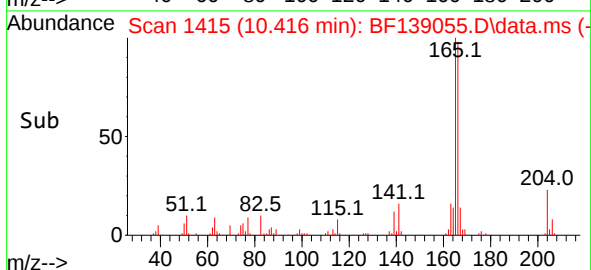
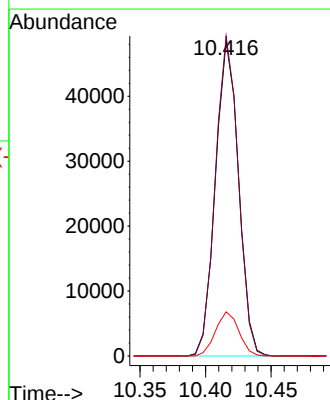
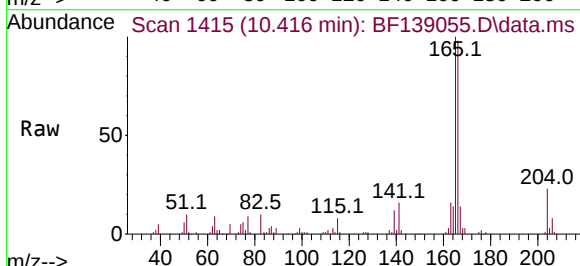
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:165	Resp:	17683
Ion	Ratio	Lower Upper
165	100	
63	88.8	46.3 69.5#
89	100.1	64.2 96.4#
182	2.6	2.5 3.7



#58
Fluorene
Concen: 8.329 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

Tgt Ion:166	Resp:	59500
Ion	Ratio	Lower Upper
166	100	
165	101.6	78.4 117.6
167	14.0	10.6 16.0





#59

2,3,4,6-Tetrachlorophenol

Concen: 8.768 ng m

RT: 10.204 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:232 Resp: 14203

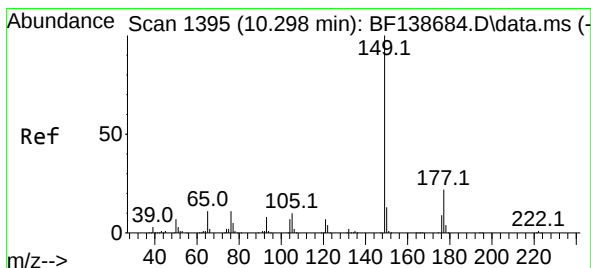
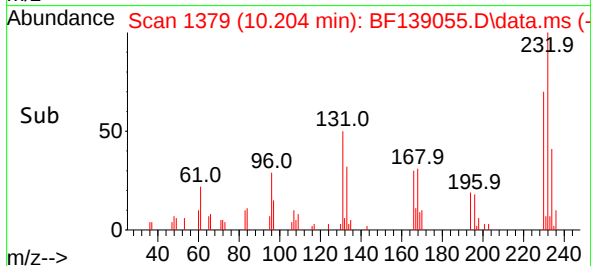
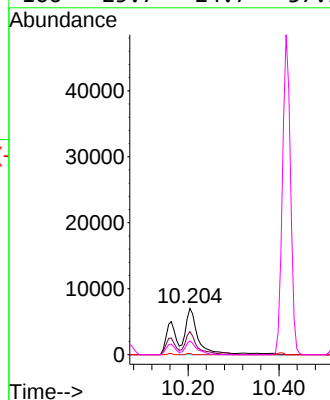
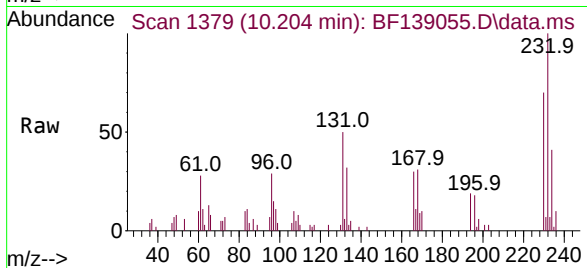
Ion Ratio Lower Upper

232 100

131 43.3 37.0 55.4

130 0.9 2.0 3.0#

166 25.7 24.7 37.1



#60

Diethylphthalate

Concen: 9.258 ng

RT: 10.286 min Scan# 1393

Delta R.T. -0.012 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

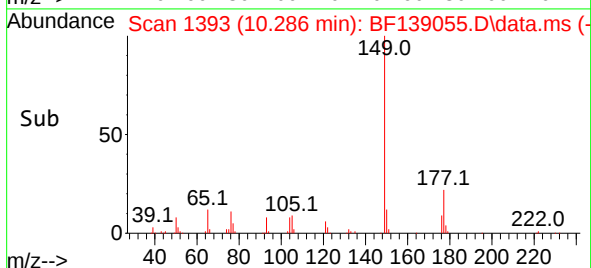
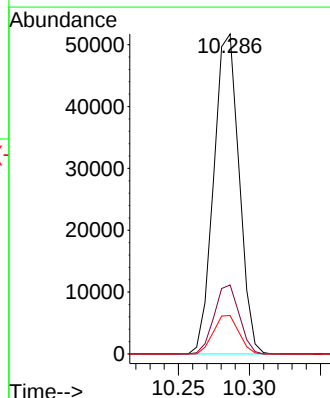
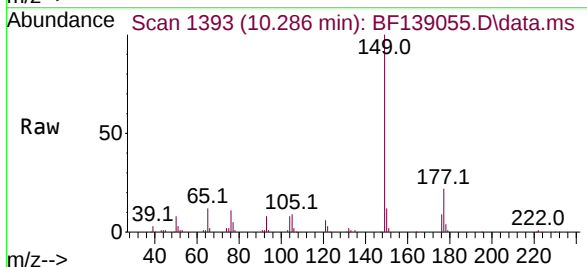
Tgt Ion:149 Resp: 64230

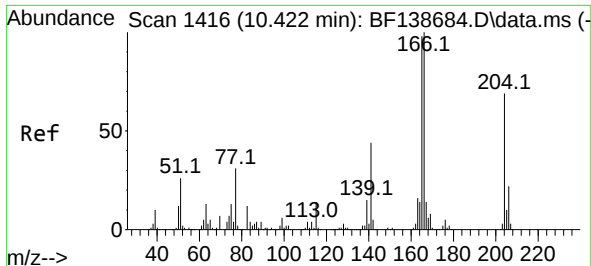
Ion Ratio Lower Upper

149 100

177 21.5 17.8 26.8

150 12.0 10.1 15.1

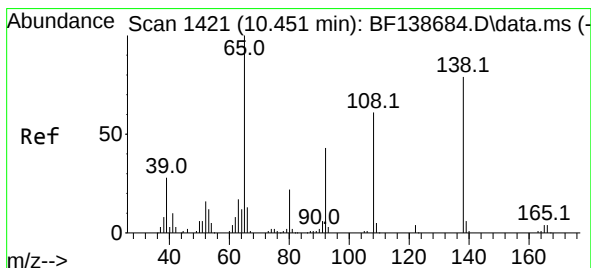
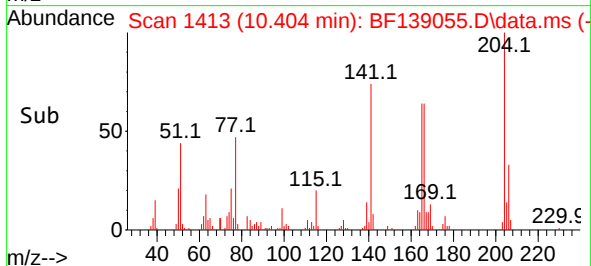
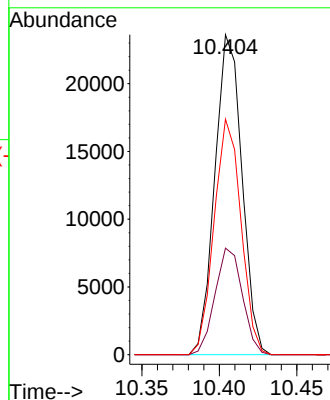
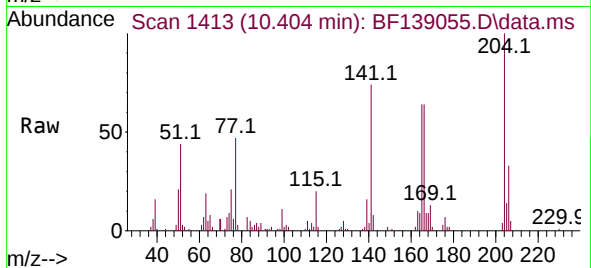




#61
4-Chlorophenyl-phenylether
Concen: 8.182 ng
RT: 10.404 min Scan# 1416
Delta R.T. -0.018 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

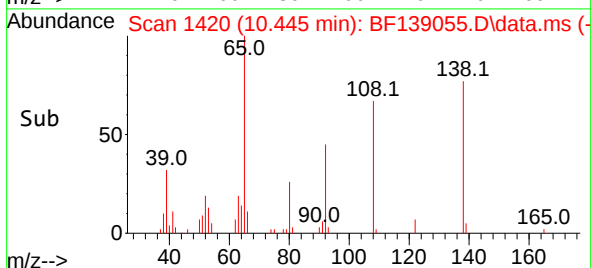
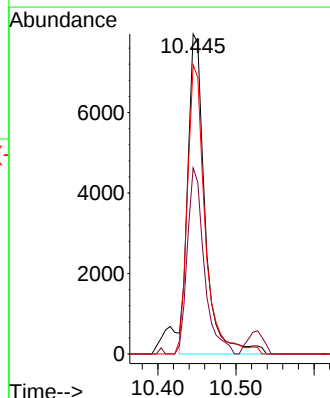
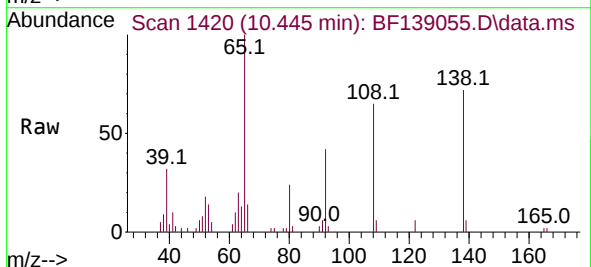
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

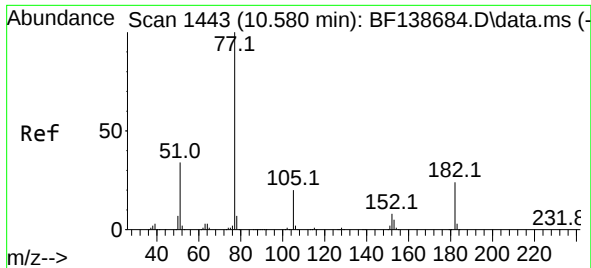
Tgt Ion:204 Resp: 28744
Ion Ratio Lower Upper
204 100
206 33.3 26.1 39.1
141 73.6 51.4 77.0



#62
4-Nitroaniline
Concen: 7.447 ng m
RT: 10.445 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

Tgt Ion:138 Resp: 12081
Ion Ratio Lower Upper
138 100
92 58.1 34.2 74.2
108 90.4 56.2 96.2

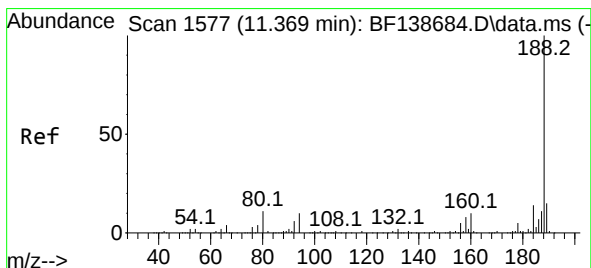
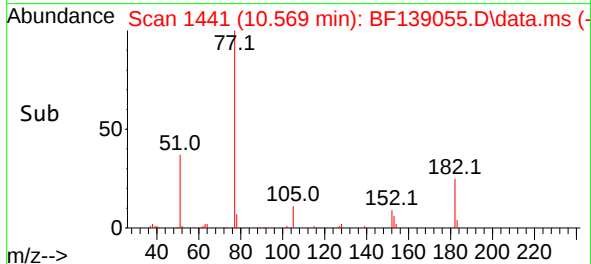
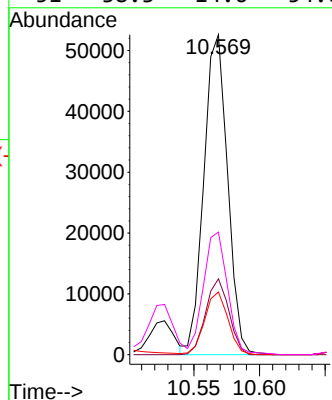
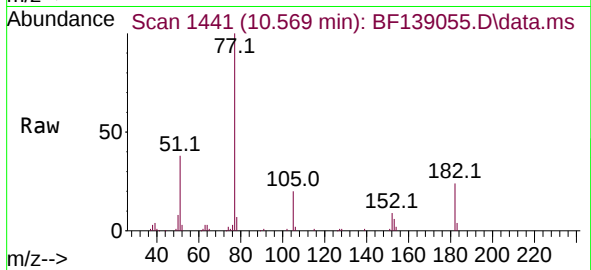




#63
Azobenzene
Concen: 8.649 ng
RT: 10.569 min Scan# 1443
Delta R.T. -0.012 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

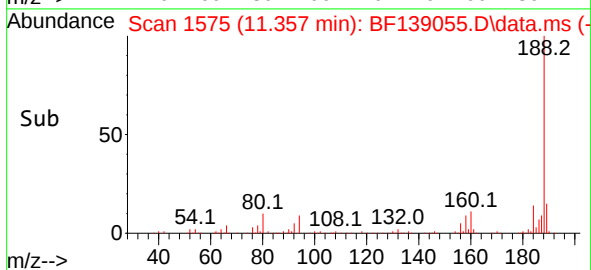
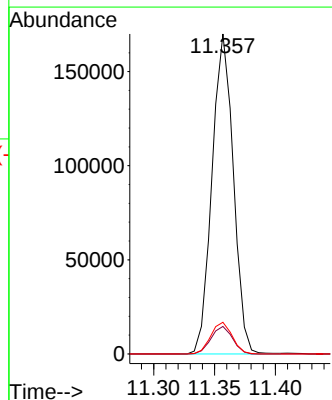
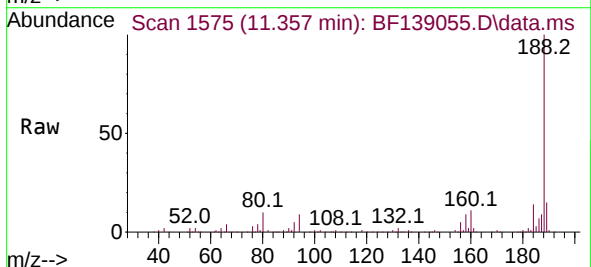
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

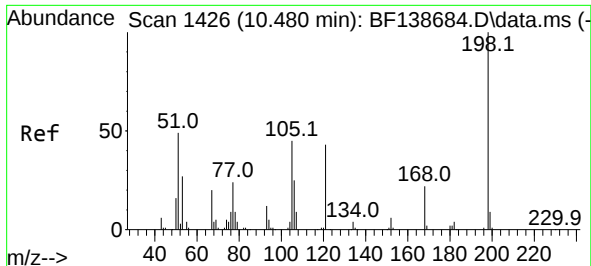
Tgt Ion: 77	Resp: 66550
Ion Ratio	Lower Upper
77 100	
182 23.7	3.4 43.4
105 19.6	0.2 40.2
51 38.3	14.6 54.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

Tgt Ion: 188	Resp: 207134
Ion Ratio	Lower Upper
188 100	
94 8.6	7.6 11.4
80 9.9	8.6 12.8

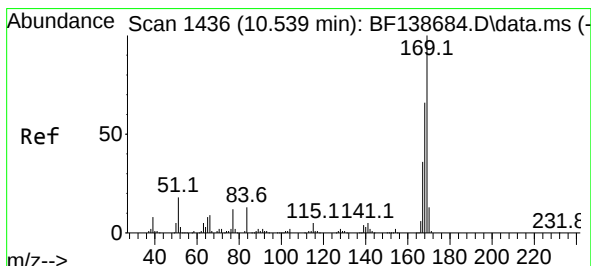
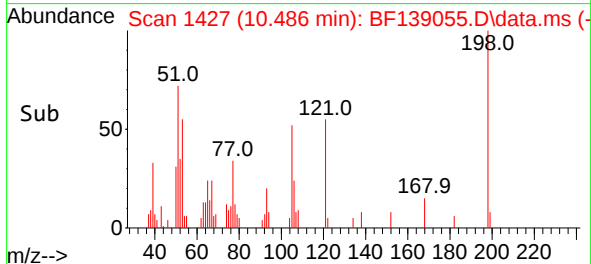
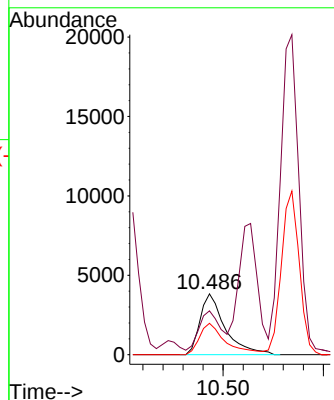
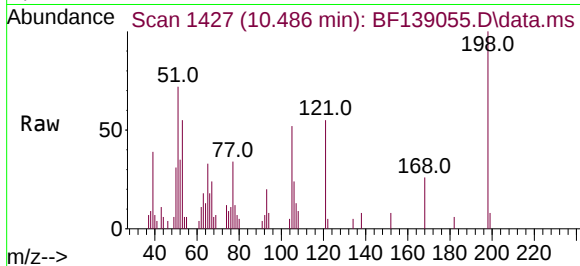




#65
4,6-Dinitro-2-methylphenol
Concen: 5.271 ng
RT: 10.486 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

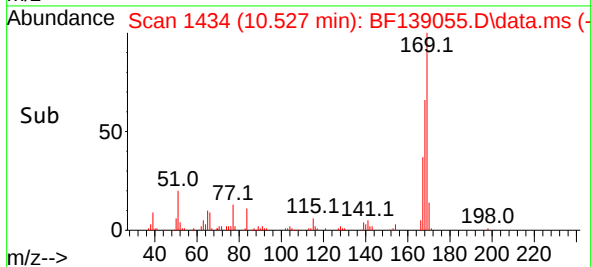
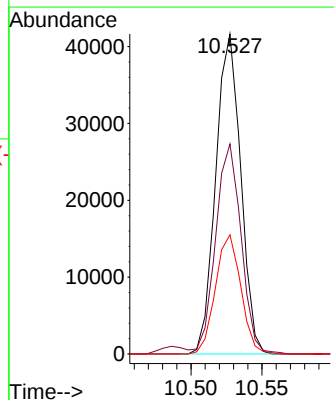
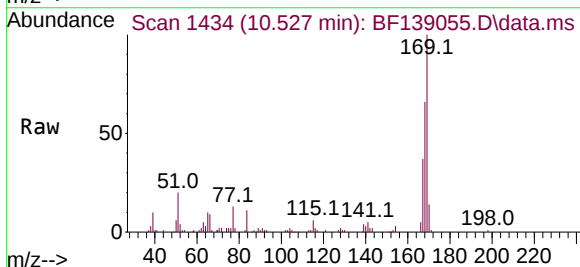
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

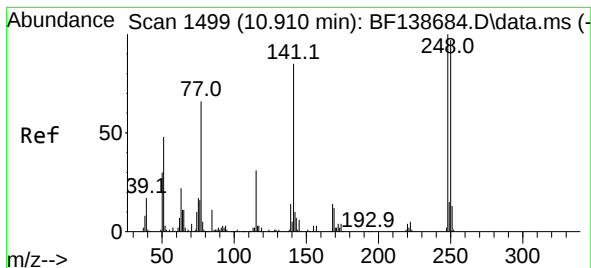
Tgt Ion:198 Resp: 6661
Ion Ratio Lower Upper
198 100
51 72.1 39.9 79.9
105 51.6 26.1 66.1



#66
n-Nitrosodiphenylamine
Concen: 7.864 ng
RT: 10.527 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

Tgt Ion:169 Resp: 50919
Ion Ratio Lower Upper
169 100
168 65.7 53.0 79.6
167 37.2 29.0 43.6

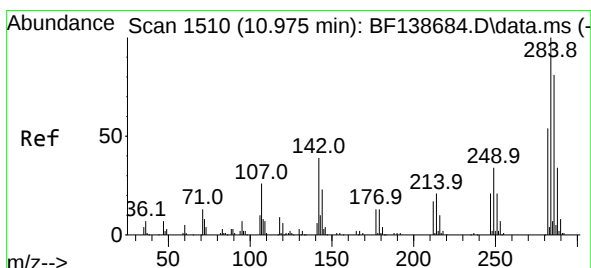
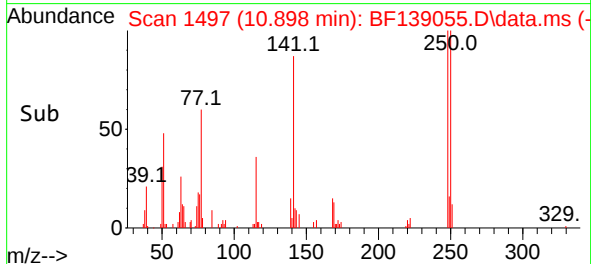
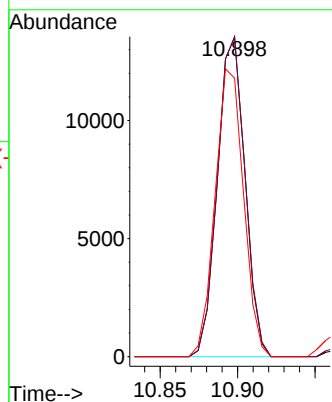
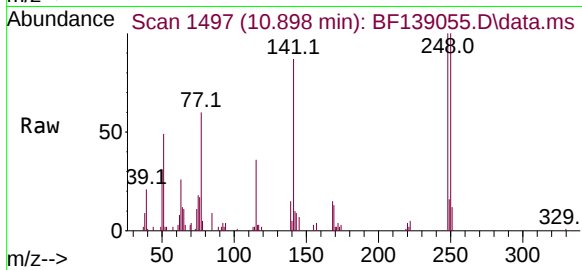




#67
4-Bromophenyl-phenylether
Concen: 7.447 ng
RT: 10.898 min Scan# 1499
Delta R.T. -0.012 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

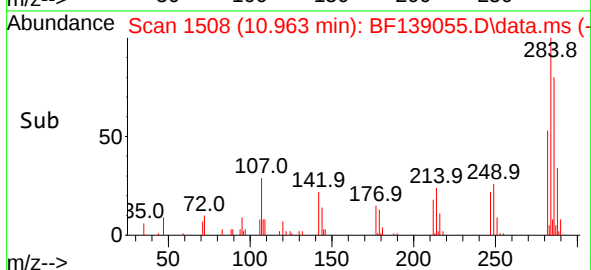
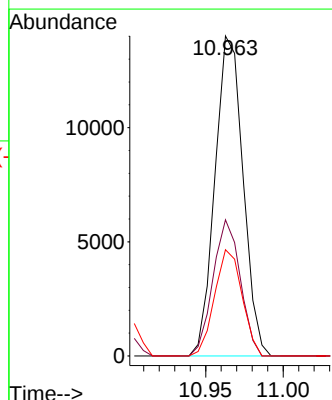
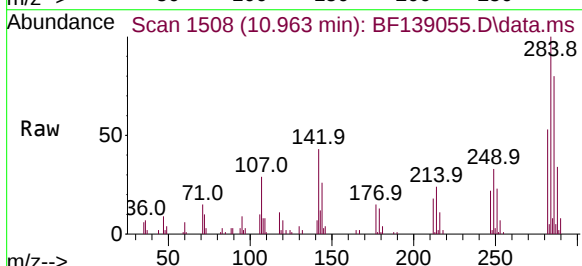
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:248 Resp: 16701
Ion Ratio Lower Upper
248 100
250 99.8 77.7 116.5
141 87.1 68.0 102.0



#68
Hexachlorobenzene
Concen: 7.625 ng
RT: 10.963 min Scan# 1508
Delta R.T. -0.012 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

Tgt Ion:284 Resp: 17655
Ion Ratio Lower Upper
284 100
142 42.6 31.3 46.9
249 33.2 27.2 40.8





#69

Atrazine

Concen: 10.314 ng

RT: 11.051 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

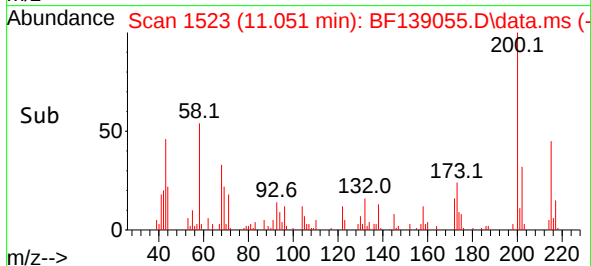
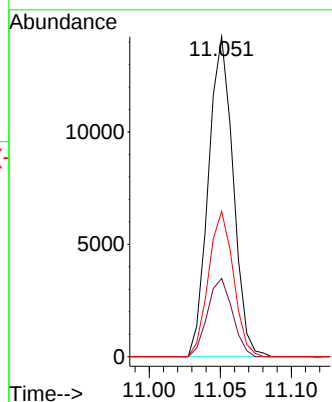
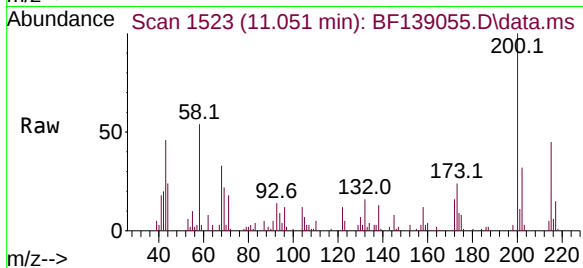
Tgt Ion:200 Resp: 17229

Ion Ratio Lower Upper

200 100

173 24.5 6.0 46.0

215 45.4 26.1 66.1



#70

Pentachlorophenol

Concen: 1.420 ng

RT: 11.186 min Scan# 1546

Delta R.T. 0.011 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

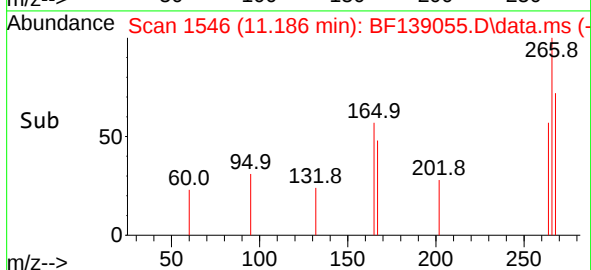
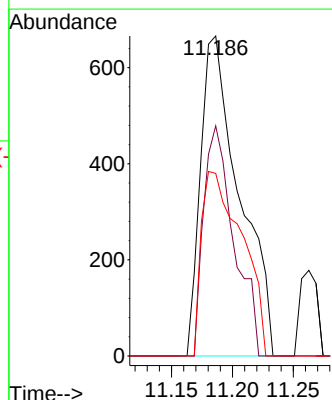
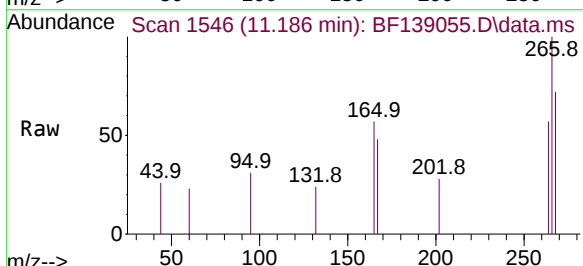
Tgt Ion:266 Resp: 1482

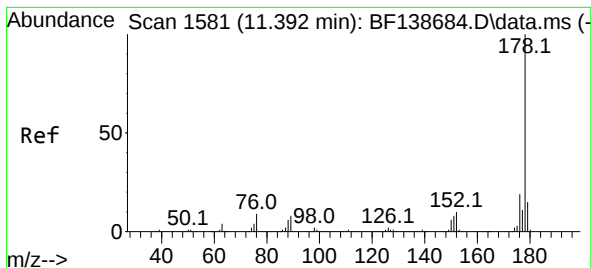
Ion Ratio Lower Upper

266 100

268 71.9 49.2 73.8

264 57.1 49.8 74.6





#71

Phenanthrene

Concen: 8.239 ng

RT: 11.380 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

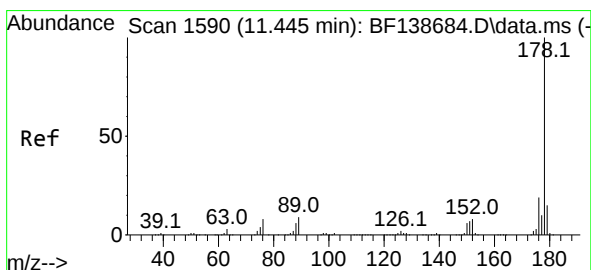
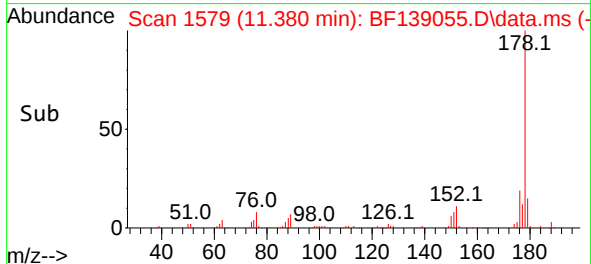
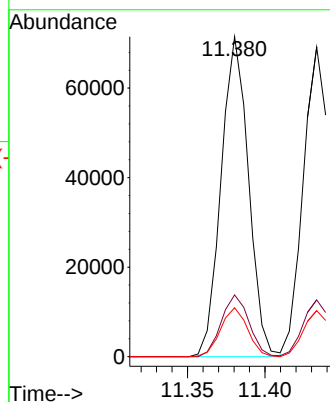
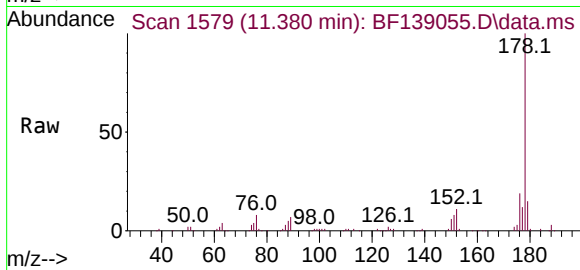
Tgt Ion:178 Resp: 87870

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

179 15.3 12.2 18.2



#72

Anthracene

Concen: 8.203 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.012 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

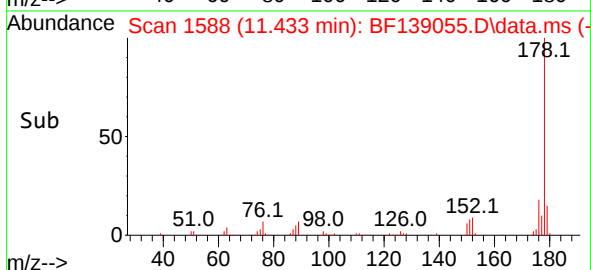
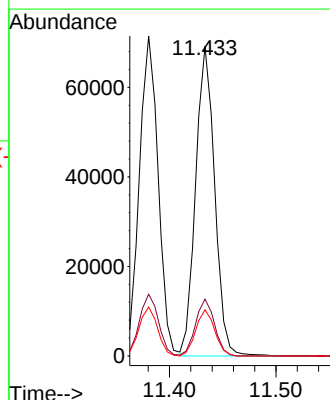
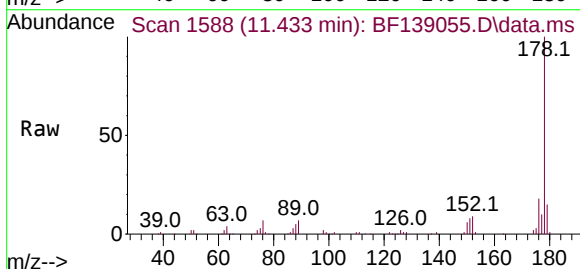
Tgt Ion:178 Resp: 86188

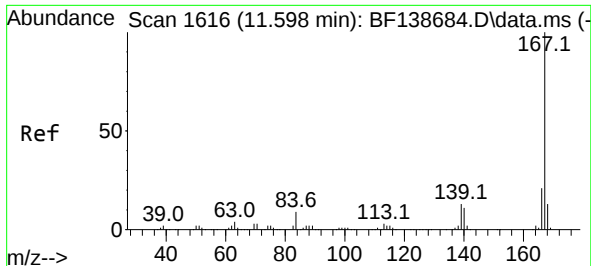
Ion Ratio Lower Upper

178 100

176 18.4 14.9 22.3

179 14.9 12.4 18.6

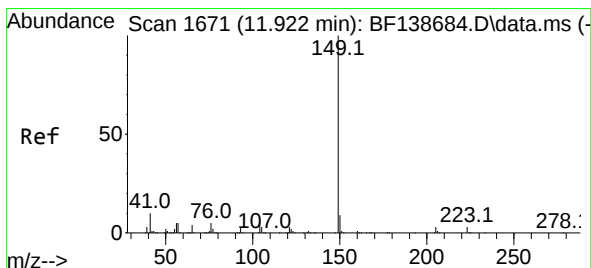
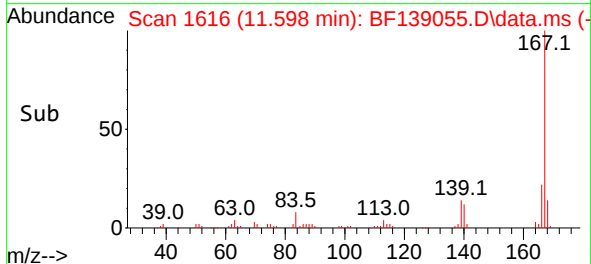
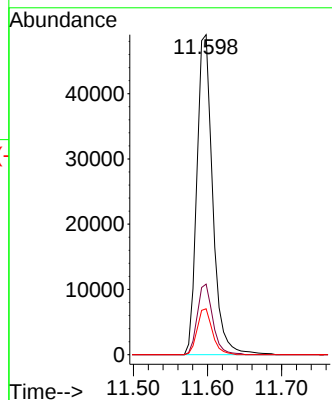
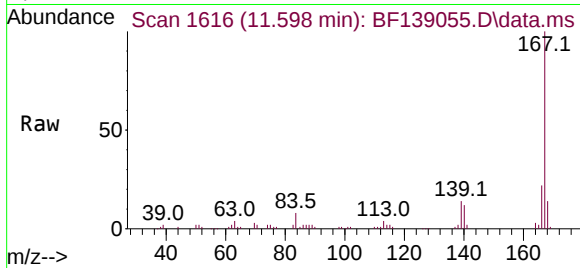




#73
 Carbazole
 Concen: 7.997 ng
 RT: 11.598 min Scan# 1616
 Delta R.T. -0.000 min
 Lab File: BF139055.D
 Acq: 16 Aug 2024 13:54

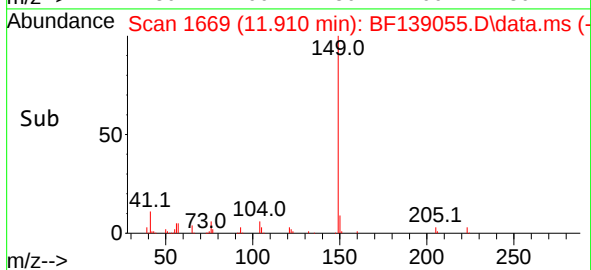
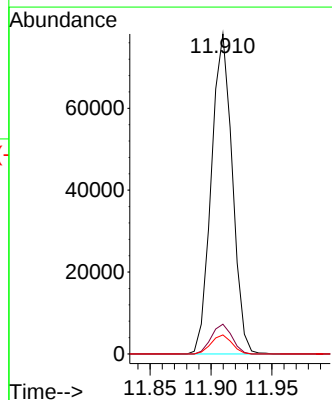
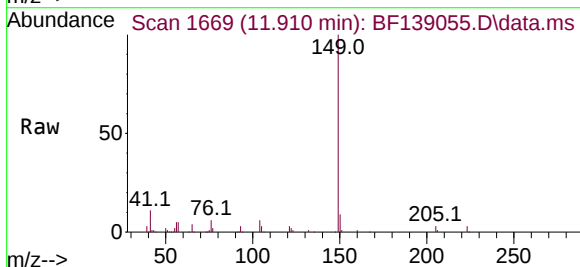
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2024

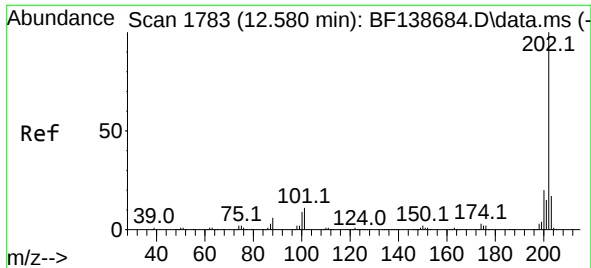
Tgt Ion:167 Resp: 72493
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.2 25.8
 139 14.4 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 9.176 ng
 RT: 11.910 min Scan# 1669
 Delta R.T. -0.012 min
 Lab File: BF139055.D
 Acq: 16 Aug 2024 13:54

Tgt Ion:149 Resp: 93512
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.0
 104 5.9 4.1 6.1

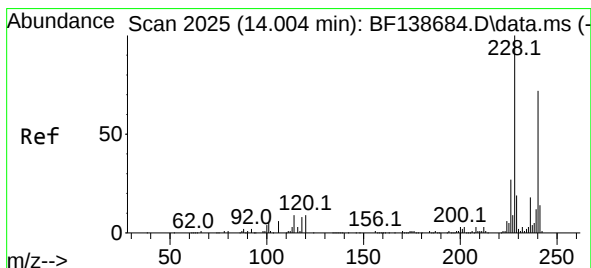
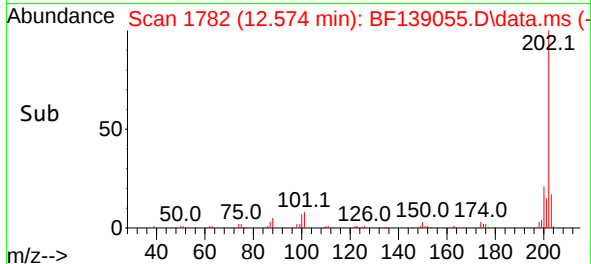
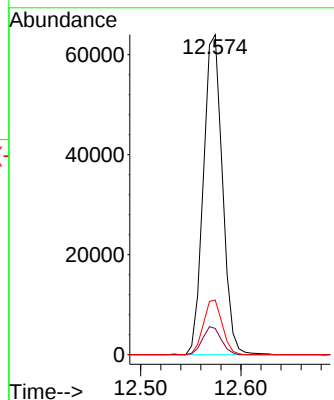
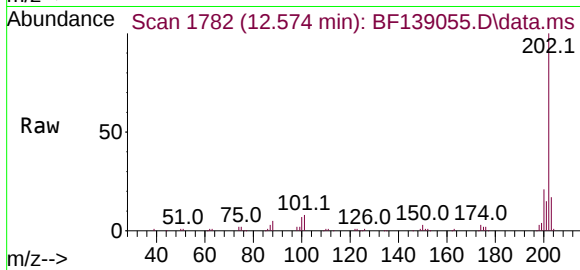




#75
Fluoranthene
Concen: 8.494 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

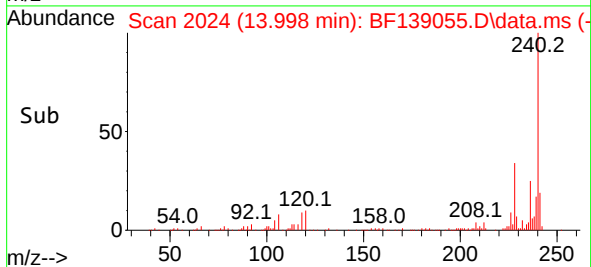
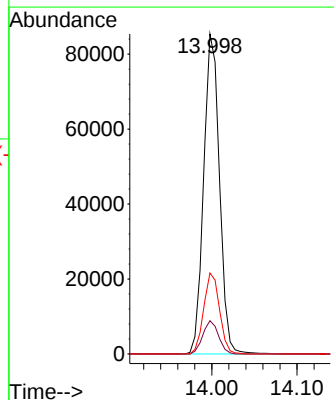
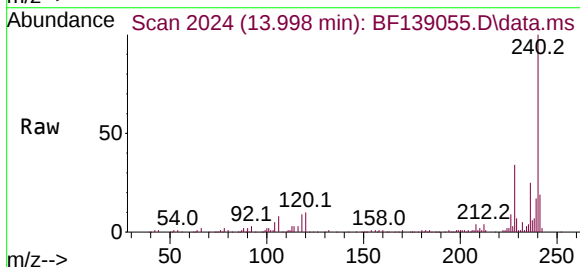
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:	202	Resp:	84574
Ion Ratio	Lower	Upper	
202	100		
101	8.2	0.0	31.2
203	17.1	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

Tgt Ion:	240	Resp:	110019
Ion Ratio	Lower	Upper	
240	100		
120	10.4	10.2	15.4
236	25.3	19.8	29.8

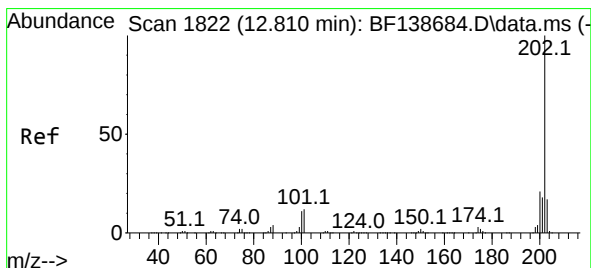
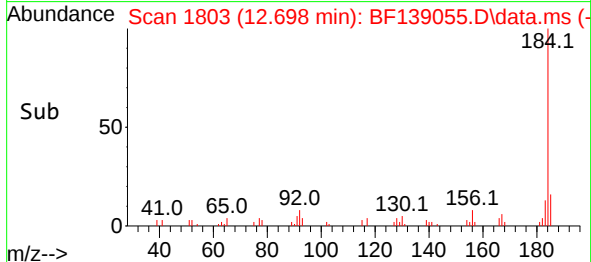
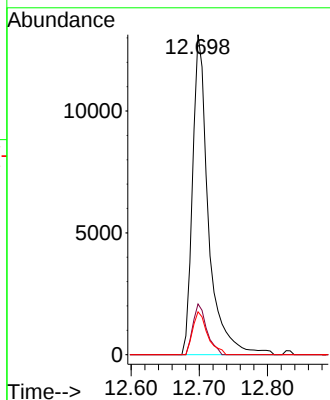
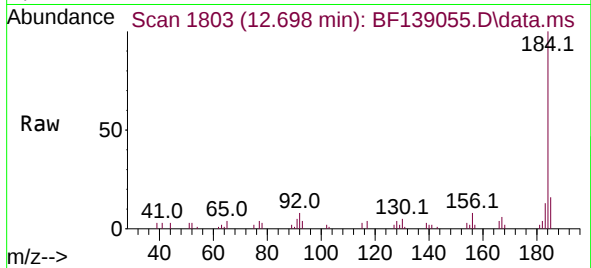




#77
Benzidine
Concen: 8.042 ng
RT: 12.698 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

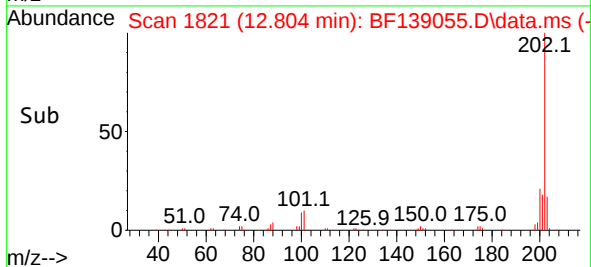
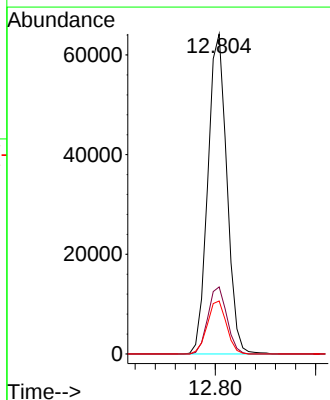
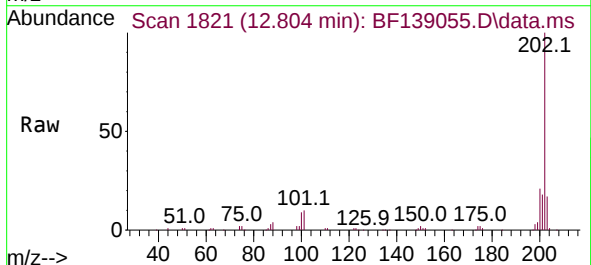
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:184 Resp: 21161
Ion Ratio Lower Upper
184 100
185 15.8 11.1 16.7
183 13.4 9.6 14.4



#78
Pyrene
Concen: 8.161 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF139055.D
Acq: 16 Aug 2024 13:54

Tgt Ion:202 Resp: 84539
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 16.5 13.8 20.6





#79

Terphenyl-d14

Concen: 96.896 ng

RT: 12.939 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF139055.D

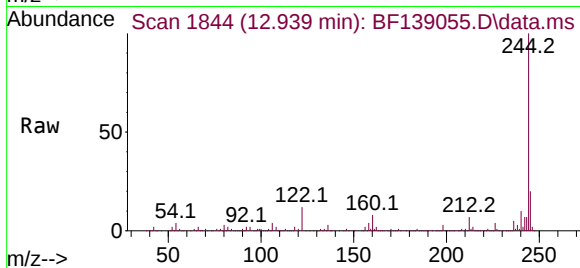
Acq: 16 Aug 2024 13:54

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



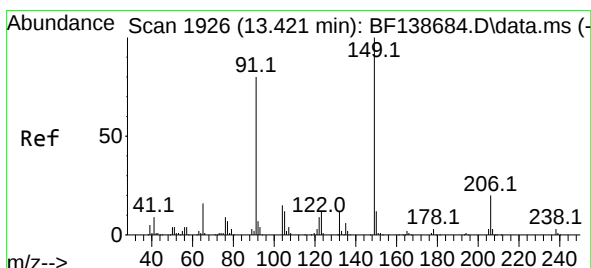
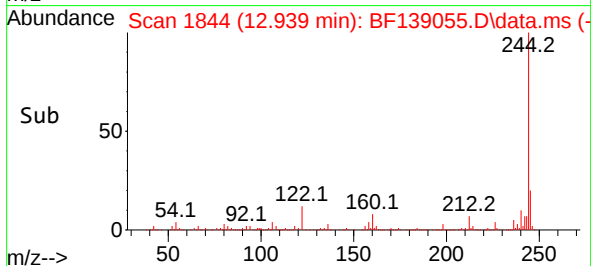
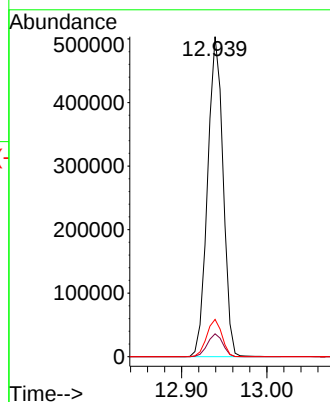
Tgt Ion:244 Resp: 636723

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.2

122 11.6 9.6 14.4



#80

Butylbenzylphthalate

Concen: 8.954 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.012 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

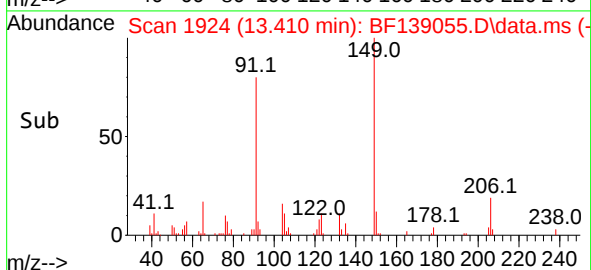
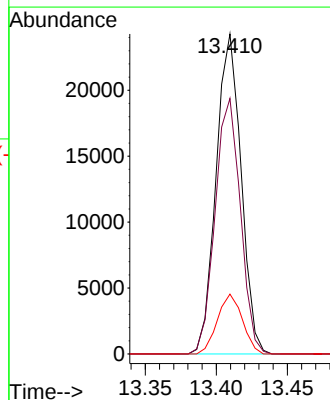
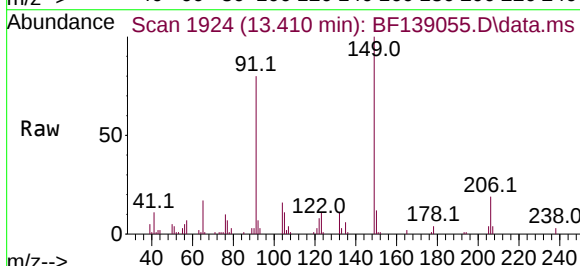
Tgt Ion:149 Resp: 29700

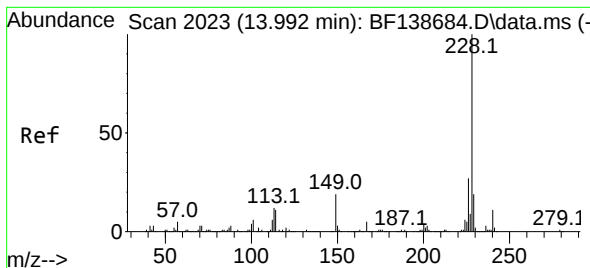
Ion Ratio Lower Upper

149 100

91 79.8 63.7 95.5

206 18.7 16.2 24.2





#81

Benzo(a)anthracene

Concen: 8.072 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

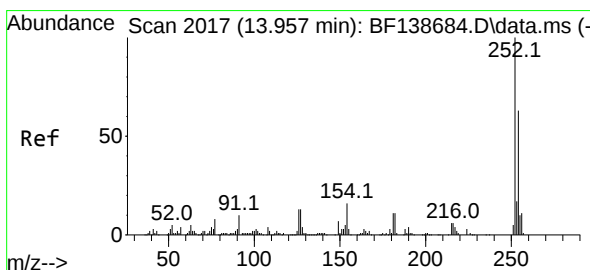
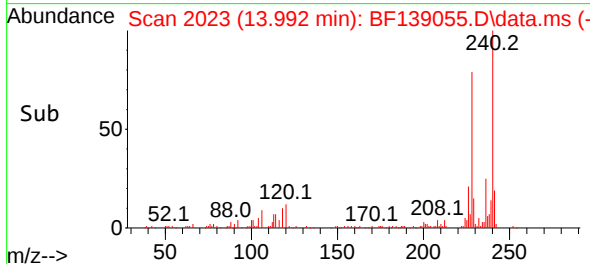
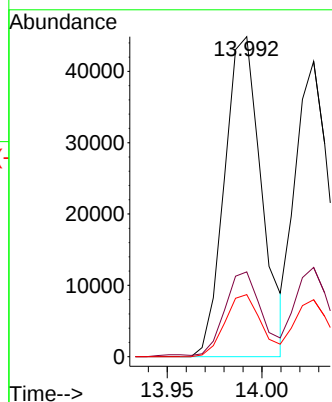
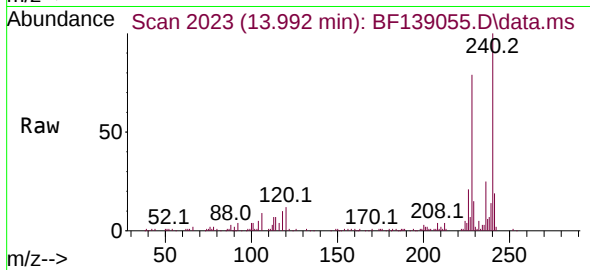
Tgt Ion:228 Resp: 61152

Ion Ratio Lower Upper

228 100

226 26.5 22.1 33.1

229 19.4 15.4 23.0



#82

3,3'-Dichlorobenzidine

Concen: 8.660 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.000 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

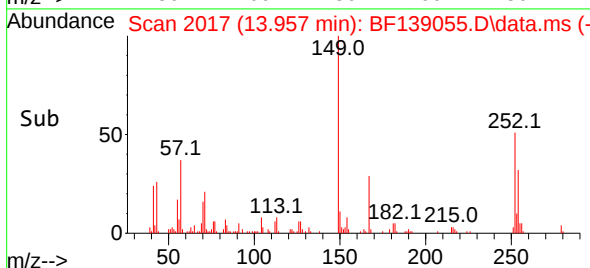
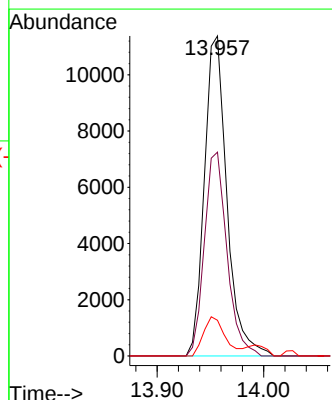
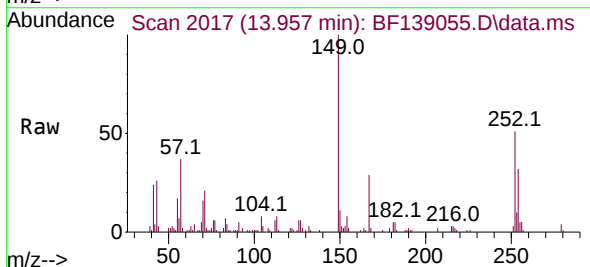
Tgt Ion:252 Resp: 16789

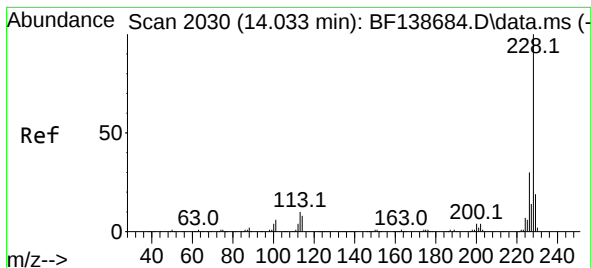
Ion Ratio Lower Upper

252 100

254 63.7 50.8 76.2

126 11.1 10.2 15.2





#83

Chrysene

Concen: 7.627 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

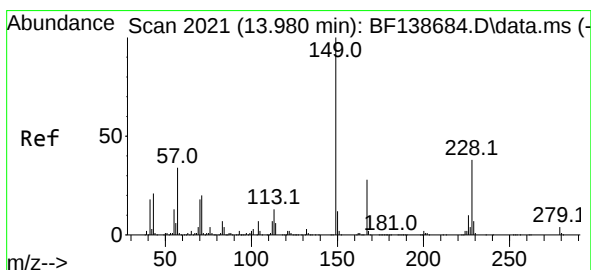
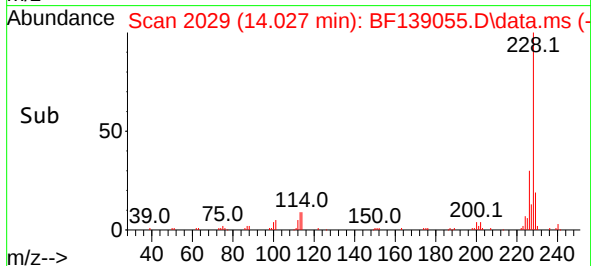
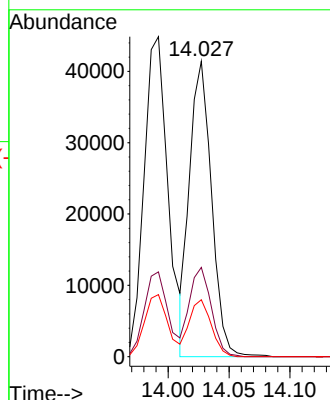
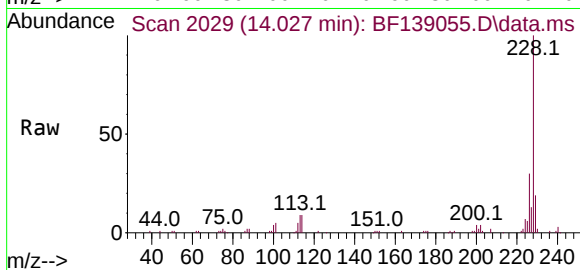
Tgt Ion:228 Resp: 52130

Ion Ratio Lower Upper

228 100

226 30.2 23.7 35.5

229 19.3 15.0 22.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.617 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.018 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

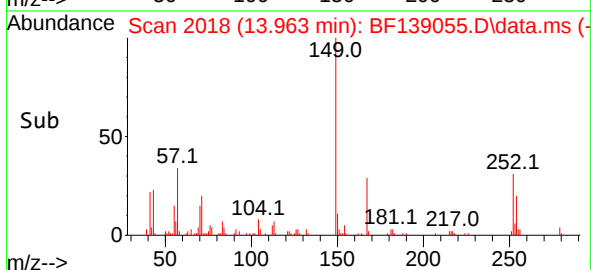
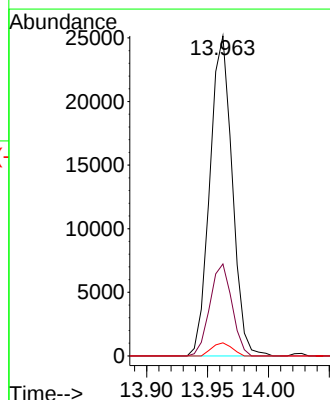
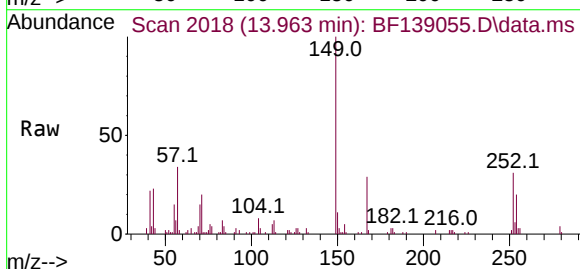
Tgt Ion:149 Resp: 32139

Ion Ratio Lower Upper

149 100

167 28.8 22.2 33.4

279 4.1 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 5.136 ng

RT: 14.568 min Scan# 2121

Delta R.T. -0.024 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

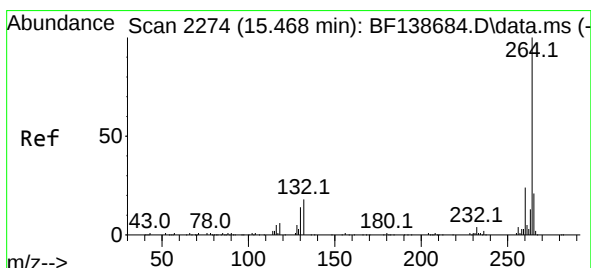
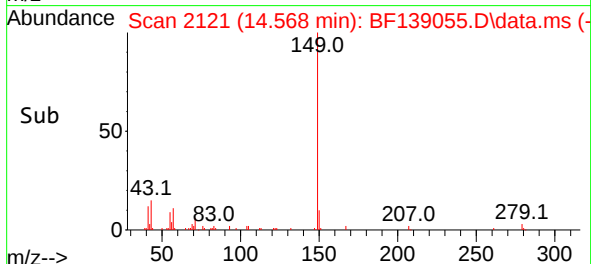
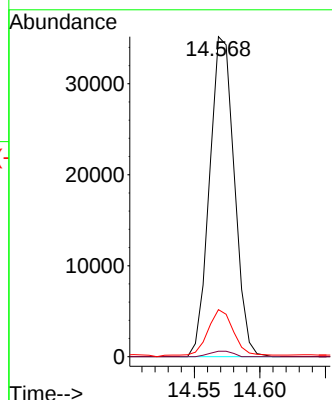
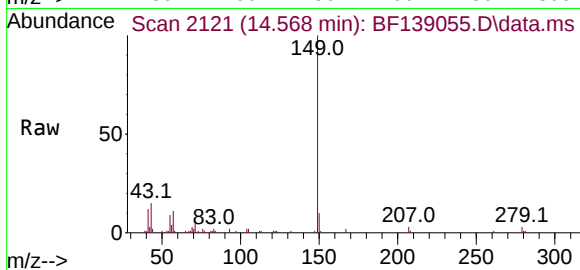
Tgt Ion:149 Resp: 46155

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

43 16.4 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: BF139055.D

Acq: 16 Aug 2024 13:54

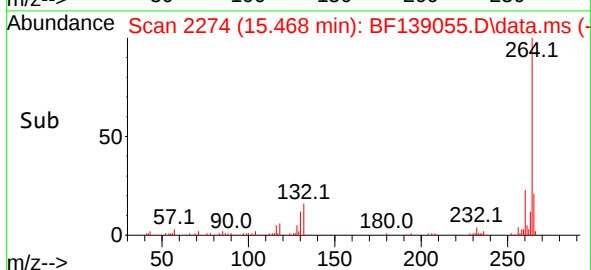
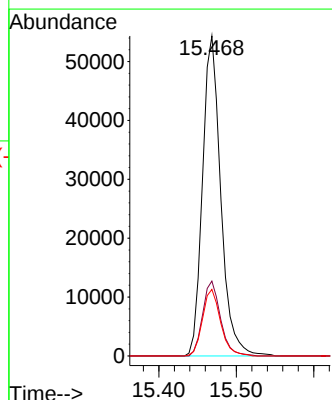
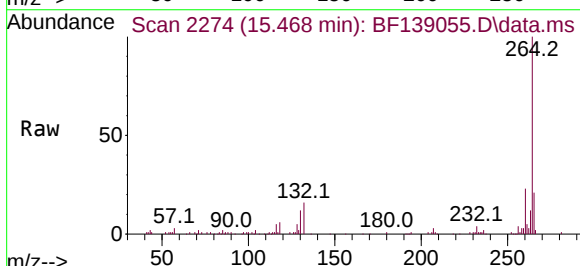
Tgt Ion:264 Resp: 88917

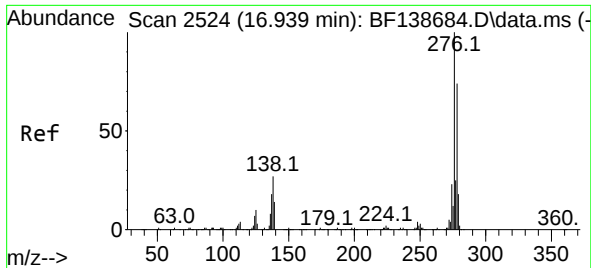
Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.6

265 20.8 17.0 25.6

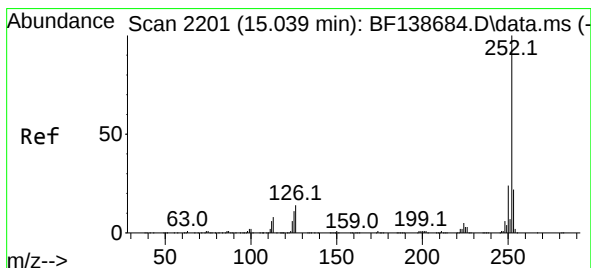
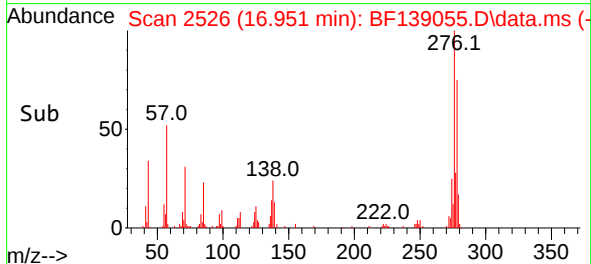
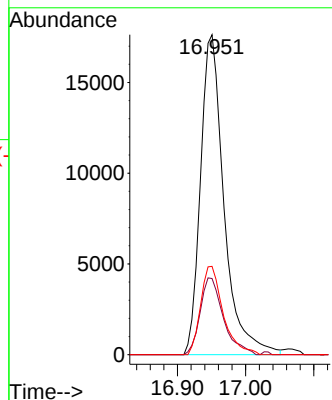
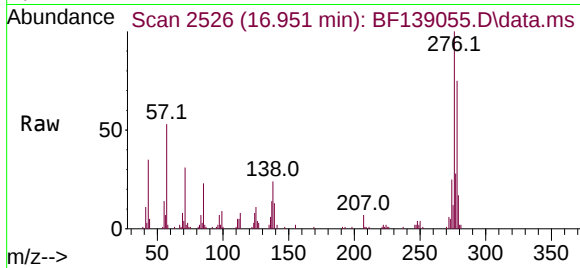




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.635 ng
 RT: 16.951 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF139055.D
 Acq: 16 Aug 2024 13:54

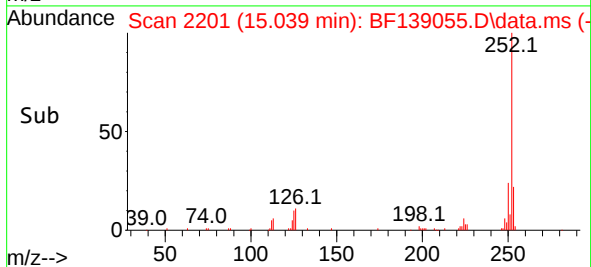
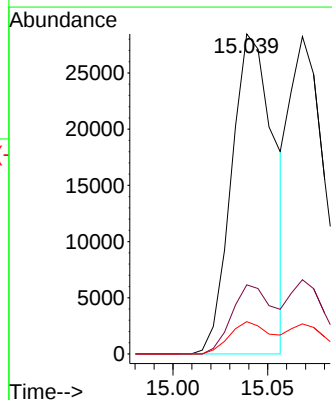
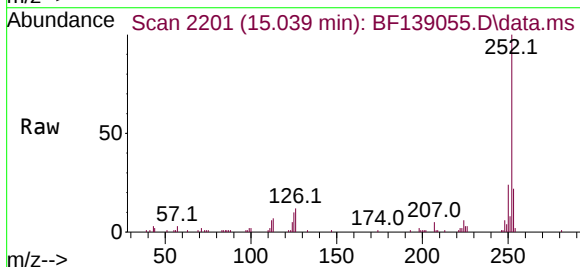
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2024

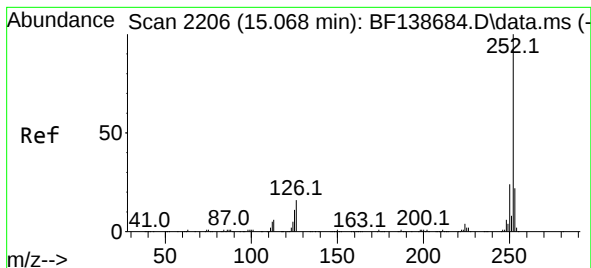
Tgt Ion:	276	Resp:	42276
Ion Ratio	Lower	Upper	
276	100		
138	23.7	21.8	32.8
277	26.5	20.6	30.8



#88
 Benzo(b)fluoranthene
 Concen: 8.074 ng
 RT: 15.039 min Scan# 2201
 Delta R.T. -0.000 min
 Lab File: BF139055.D
 Acq: 16 Aug 2024 13:54

Tgt Ion:	252	Resp:	44505
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.5	26.3
125	10.1	8.9	13.3





#89

Benzo(k)fluoranthene

Concen: 7.747 ng

RT: 15.068 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

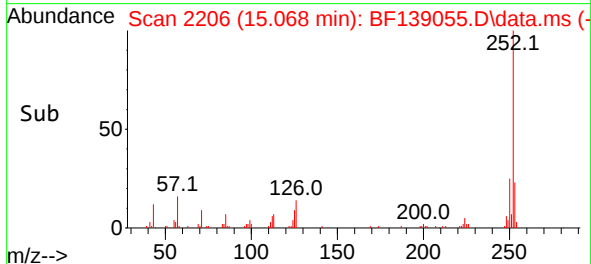
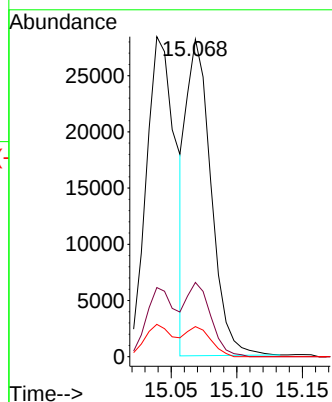
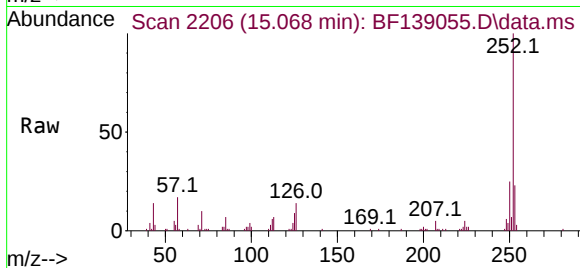
Tgt Ion:252 Resp: 36973

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

125 9.5 8.6 13.0



#90

Benzo(a)pyrene

Concen: 7.926 ng

RT: 15.410 min Scan# 2264

Delta R.T. 0.006 min

Lab File: BF139055.D

Acq: 16 Aug 2024 13:54

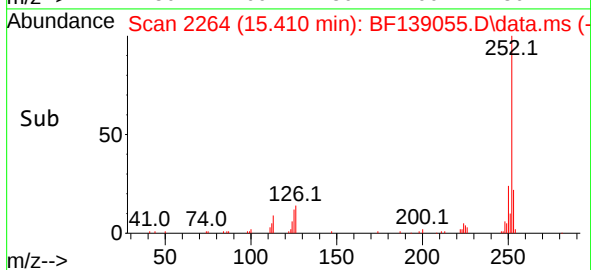
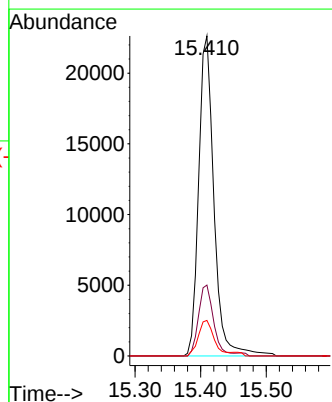
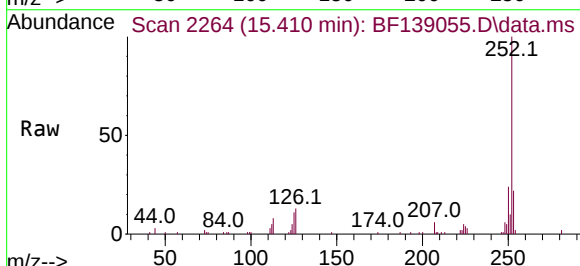
Tgt Ion:252 Resp: 36746

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

125 11.1 9.5 14.3

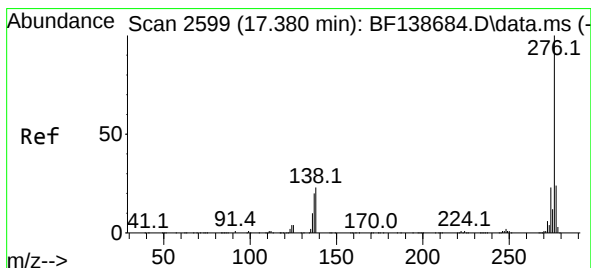
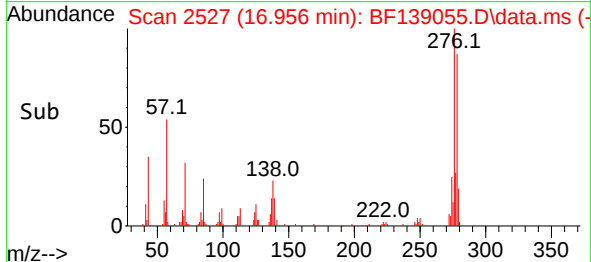
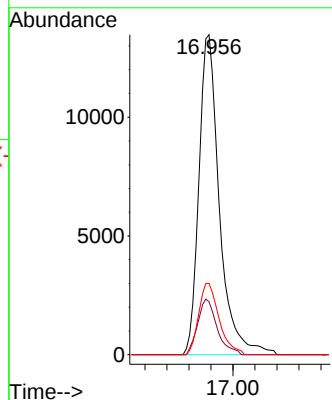
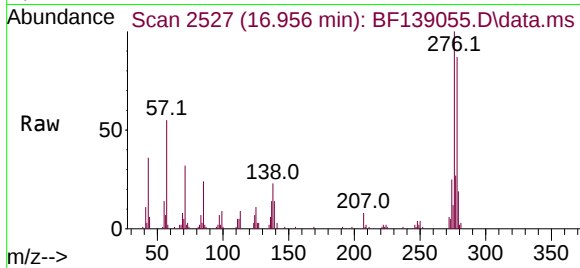




#91
 Dibenzo(a,h)anthracene
 Concen: 6.654 ng
 RT: 16.956 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF139055.D
 Acq: 16 Aug 2024 13:54

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

Tgt Ion:	278	Resp:	34805
Ion Ratio	Lower	Upper	
278	100		
139	16.5	14.0	21.0
279	22.3	19.0	28.4



#92
 Benzo(g,h,i)perylene
 Concen: 6.273 ng
 RT: 17.398 min Scan# 2602
 Delta R.T. 0.018 min
 Lab File: BF139055.D
 Acq: 16 Aug 2024 13:54

Tgt Ion:	276	Resp:	34049
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.0	28.4
138	23.0	18.5	27.7

