

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
 Data File : BF139054.D
 Acq On : 16 Aug 2024 12:43
 Operator : RC/JU
 Sample : P3390-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Aug 16 13:07:54 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	48442	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	201170	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	116317	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	205376	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	100256	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	84837	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	435478	138.769	ng	0.00
7) Phenol-d6	6.487	99	593442	140.850	ng	0.00
23) Nitrobenzene-d5	7.404	82	391807	95.223	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	140550	147.514	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	725100	93.663	ng	-0.01
79) Terphenyl-d14	12.939	244	699202	116.766	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.587	88	14412	10.490	ng	# 92
3) Pyridine	3.416	79	31394	9.433	ng	# 92
4) n-Nitrosodimethylamine	3.310	42	25710	12.970	ng	# 78
6) Aniline	6.504	93	50730	13.501	ng	# 58
8) 2-Chlorophenol	6.628	128	38982	11.807	ng	98
9) Benzaldehyde	6.398	77	34932	13.831	ng	94
10) Phenol	6.498	94	51151	11.531	ng	# 52
11) bis(2-Chloroethyl)ether	6.575	93	38126	11.169	ng	99
12) 1,3-Dichlorobenzene	6.775	146	42272	11.438	ng	96
13) 1,4-Dichlorobenzene	6.851	146	42233	11.323	ng	98
14) 1,2-Dichlorobenzene	7.004	146	40651	11.662	ng	99
15) Benzyl Alcohol	6.987	79	40862	13.456	ng	92
16) 2,2'-oxybis(1-Chloropr...	7.104	45	69443	11.820	ng	53
17) 2-Methylphenol	7.104	107	30483	11.181	ng	# 84
18) Hexachloroethane	7.339	117	16755	11.934	ng	96
19) n-Nitroso-di-n-propyla...	7.245	70	32158	12.637	ng	94
20) 3+4-Methylphenols	7.263	107	41530	11.872	ng	# 62
22) Acetophenone	7.245	105	59664	12.113	ng	96
24) Nitrobenzene	7.422	77	48024	11.470	ng	97
25) Isophorone	7.657	82	83253	11.849	ng	97
26) 2-Nitrophenol	7.739	139	20630	11.453	ng	89
27) 2,4-Dimethylphenol	7.781	122	22213	10.306	ng	96
28) bis(2-Chloroethoxy)met...	7.863	93	47808	11.174	ng	99
29) 2,4-Dichlorophenol	7.992	162	31970	11.544	ng	97
30) 1,2,4-Trichlorobenzene	8.057	180	36049	11.279	ng	97
31) Naphthalene	8.139	128	119007	11.239	ng	99
32) Benzoic acid	7.916	122	5521	3.259	ng	97
33) 4-Chloroaniline	8.198	127	44268	12.454	ng	99
34) Hexachlorobutadiene	8.245	225	21733	11.227	ng	98
35) Caprolactam	8.551	113	10130	12.258	ng	96
36) 4-Chloro-3-methylphenol	8.681	107	38189	12.066	ng	97
37) 2-Methylnaphthalene	8.828	142	78282	11.706	ng	99
38) 1-Methylnaphthalene	8.928	142	73136	11.160	ng	99
40) 1,2,4,5-Tetrachloroben...	8.992	216	36810	11.392	ng	98
41) Hexachlorocyclopentadiene	8.975	237	1473	8.538	ng	91
43) 2,4,6-Trichlorophenol	9.116	196	19742	10.021	ng	97

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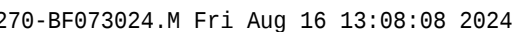
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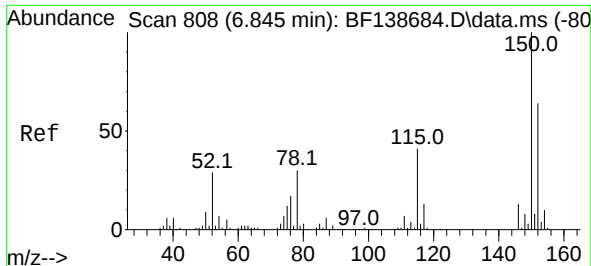
Quant Time: Aug 16 13:07:54 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	21928	10.182	ng	96
46) 1,1'-Biphenyl	9.286	154	103775	11.392	ng	99
47) 2-Chloronaphthalene	9.316	162	73539	10.854	ng	98
48) 2-Nitroaniline	9.422	65	27303	11.887	ng	93
49) Acenaphthylene	9.728	152	116254	12.098	ng	99
50) Dimethylphthalate	9.586	163	91507	12.304	ng	100
51) 2,6-Dinitrotoluene	9.657	165	18910	11.266	ng	# 79
52) Acenaphthene	9.898	154	71154	11.015	ng	99
53) 3-Nitroaniline	9.833	138	18475	10.647	ng	89
54) 2,4-Dinitrophenol	9.969	184	3441	4.453	ng	86
55) Dibenzofuran	10.075	168	107995	11.844	ng	96
56) 4-Nitrophenol	10.075	139	53934	51.688	ng	# 6
57) 2,4-Dinitrotoluene	10.069	165	25632	11.969	ng	# 73
58) Fluorene	10.416	166	86843	11.960	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.204	232	17359	10.543	ng	92
60) Diethylphthalate	10.286	149	91090	12.917	ng	99
61) 4-Chlorophenyl-phenyle...	10.404	204	42544	11.913	ng	94
62) 4-Nitroaniline	10.445	138	17775	10.779	ng	87
63) Azobenzene	10.569	77	94917	12.136	ng	95
65) 4,6-Dinitro-2-methylph...	10.486	198	10668	8.514	ng	90
66) n-Nitrosodiphenylamine	10.527	169	72386	11.276	ng	99
67) 4-Bromophenyl-phenylether	10.898	248	24572	11.051	ng	99
68) Hexachlorobenzene	10.963	284	24852	10.825	ng	97
69) Atrazine	11.051	200	24509	14.798	ng	98
70) Pentachlorophenol	11.180	266	2586	2.499	ng	94
71) Phenanthrene	11.380	178	122417	11.576	ng	99
72) Anthracene	11.433	178	122128	11.723	ng	100
73) Carbazole	11.592	167	102777	11.435	ng	98
74) Di-n-butylphthalate	11.910	149	134345	13.296	ng	99
75) Fluoranthene	12.569	202	117678	11.920	ng	97
77) Benzidine	12.698	184	30199	12.594	ng	96
78) Pyrene	12.804	202	118479	12.552	ng	99
80) Butylbenzylphthalate	13.410	149	39617	13.106	ng	97
81) Benzo(a)anthracene	13.986	228	81381	11.788	ng	99
82) 3,3'-Dichlorobenzidine	13.951	252	23636	13.378	ng	99
83) Chrysene	14.027	228	70126	11.259	ng	99
84) Bis(2-ethylhexyl)phtha...	13.963	149	45993	10.391	ng	98
85) Di-n-octyl phthalate	14.574	149	66061	8.067	ng	97
87) Indeno(1,2,3-cd)pyrene	16.945	276	63027	10.367	ng	96
88) Benzo(b)fluoranthene	15.039	252	57645	10.961	ng	97
89) Benzo(k)fluoranthene	15.039	252	57645	12.660	ng	98
90) Benzo(a)pyrene	15.404	252	53129	12.010	ng	97
91) Dibenzo(a,h)anthracene	16.951	278	50020	10.023	ng	99
92) Benzo(g,h,i)perylene	17.392	276	49587	9.575	ng	94

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

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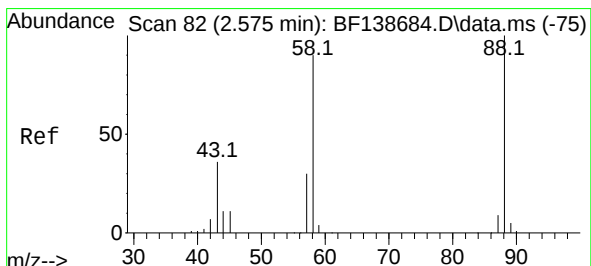
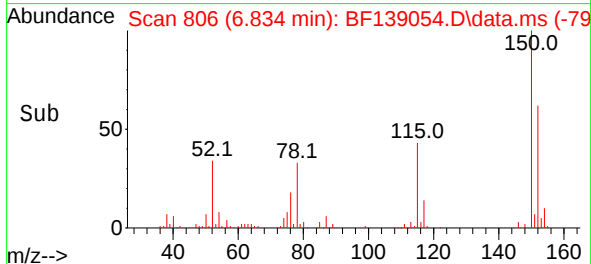
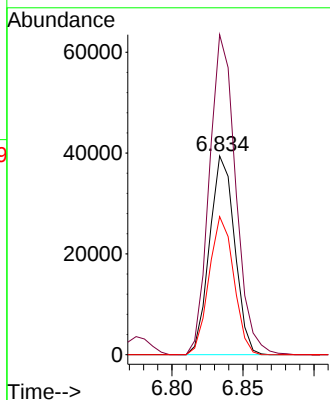
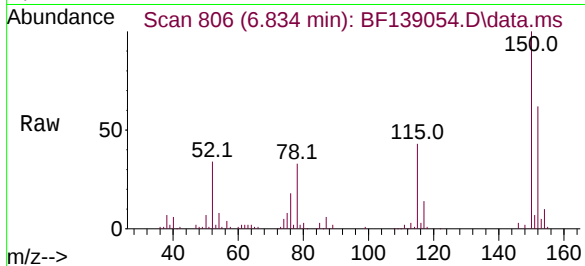




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.011 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

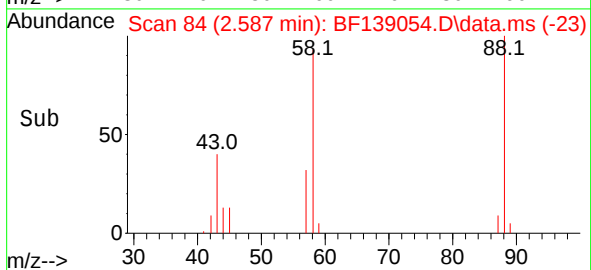
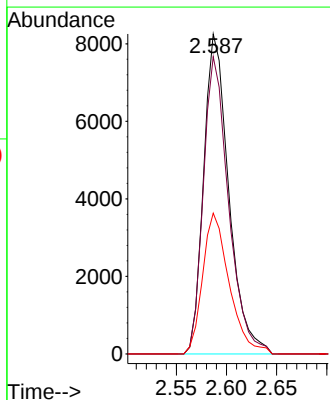
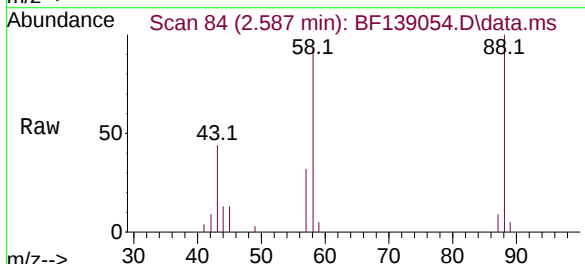
Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

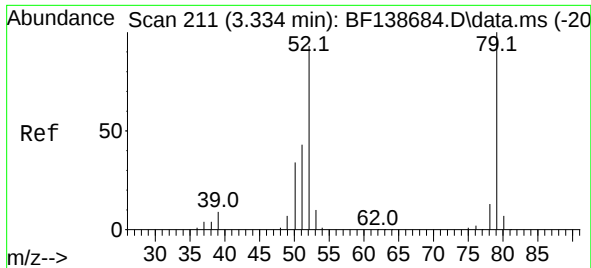
Tgt Ion:152 Resp: 48442
Ion Ratio Lower Upper
152 100
150 161.0 126.0 189.0
115 69.4 51.7 77.5



#2
1,4-Dioxane
Concen: 10.490 ng
RT: 2.587 min Scan# 84
Delta R.T. 0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

Tgt Ion: 88 Resp: 14412
Ion Ratio Lower Upper
88 100
58 93.3 71.6 107.4
43 46.5 28.7 43.1#





#3

Pyridine

Concen: 9.433 ng

RT: 3.416 min Scan# 211

Delta R.T. 0.082 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

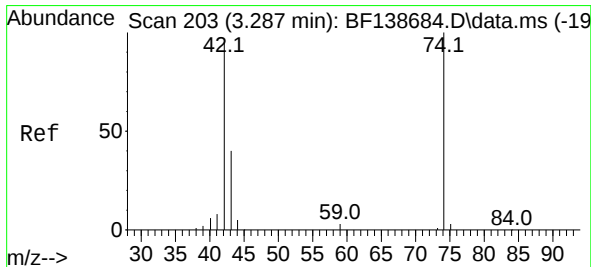
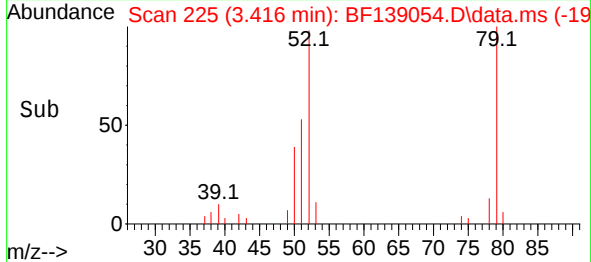
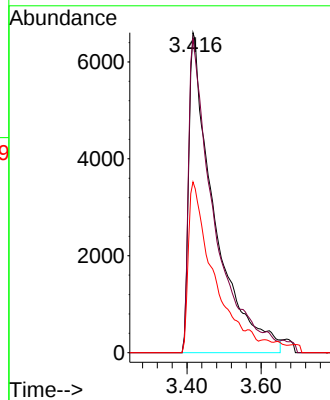
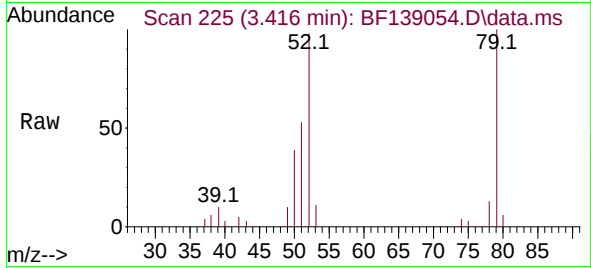
Tgt Ion: 79 Resp: 31394

Ion Ratio Lower Upper

79 100

52 98.1 74.7 112.1

51 53.4 34.6 51.8#



#4

n-Nitrosodimethylamine

Concen: 12.970 ng

RT: 3.310 min Scan# 207

Delta R.T. 0.023 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

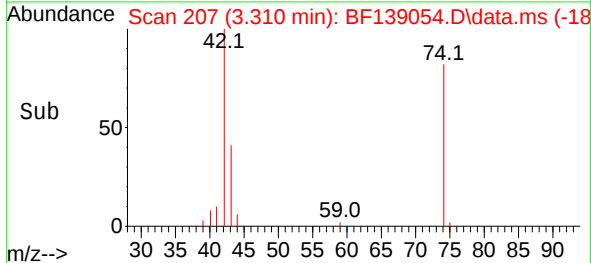
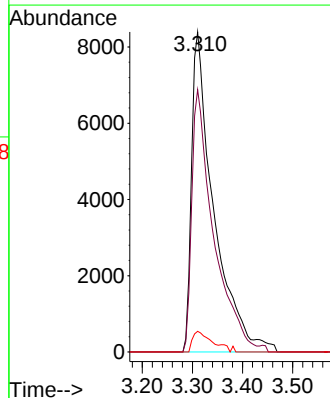
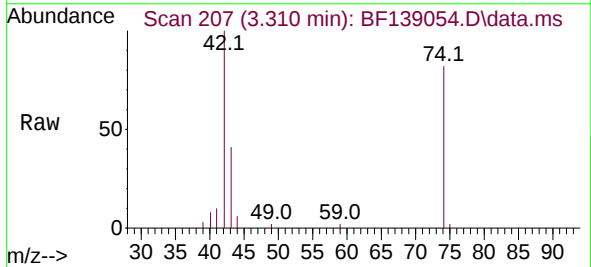
Tgt Ion: 42 Resp: 25710

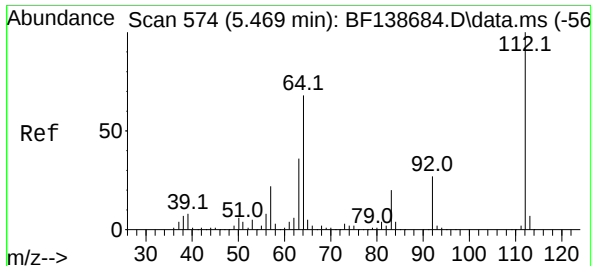
Ion Ratio Lower Upper

42 100

74 81.9 84.2 126.4#

44 6.5 4.9 7.3

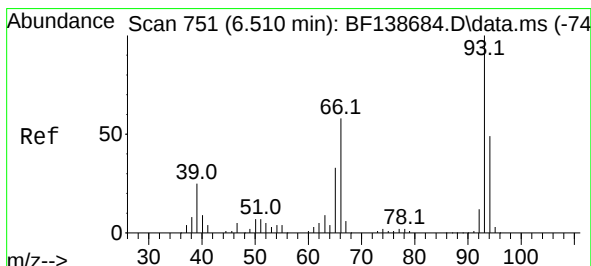
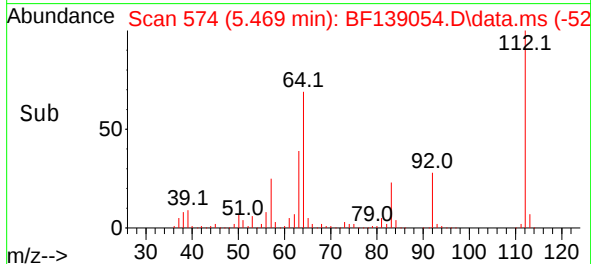
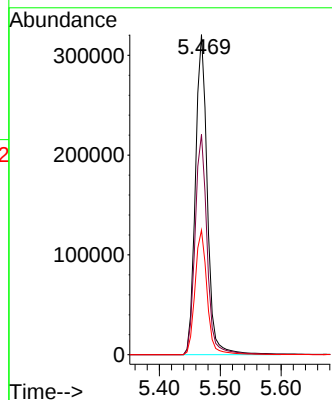
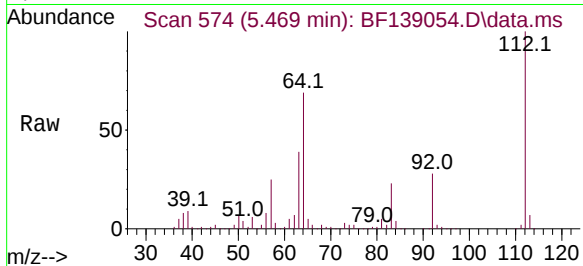




#5
2-Fluorophenol
Concen: 138.769 ng
RT: 5.469 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

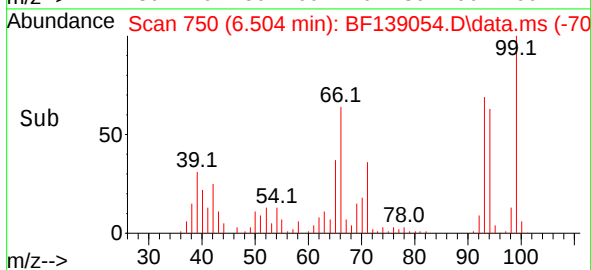
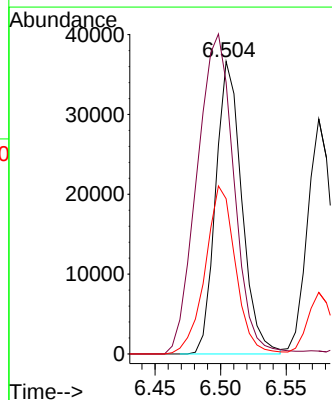
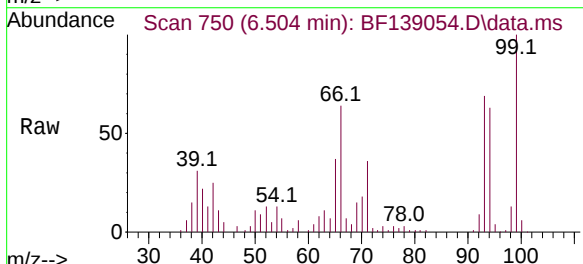
Instrument :
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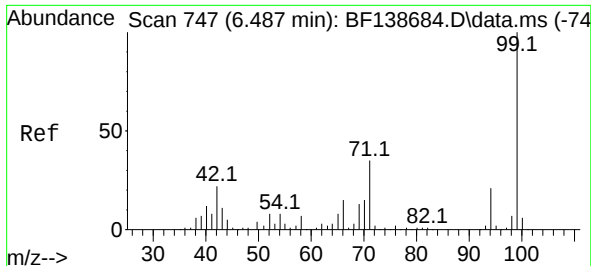
Tgt Ion:112 Resp: 435478
Ion Ratio Lower Upper
112 100
64 68.8 54.2 81.4
63 38.9 28.7 43.1



#6
Aniline
Concen: 13.501 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

Tgt Ion: 93 Resp: 50730
Ion Ratio Lower Upper
93 100
66 92.8 46.9 70.3#
65 53.1 26.5 39.7#





#7

Phenol-d6

Concen: 140.850 ng

RT: 6.487 min Scan# 747

Delta R.T. -0.000 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

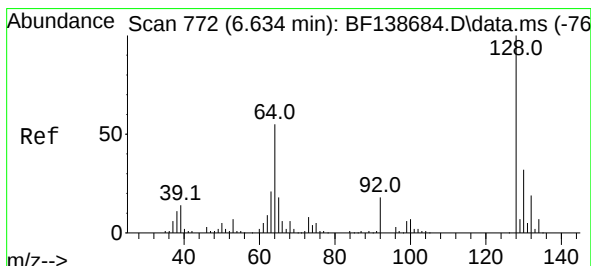
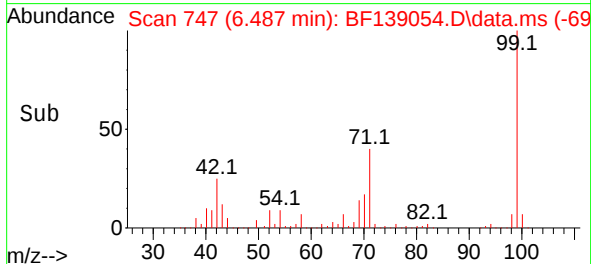
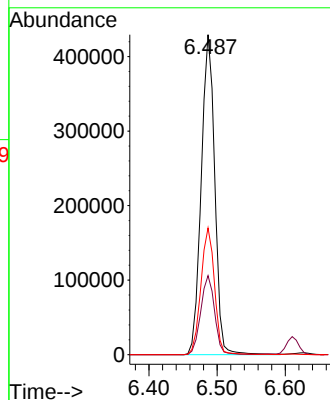
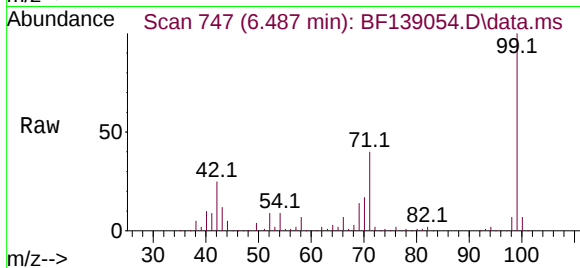
Tgt Ion: 99 Resp: 593442

Ion Ratio Lower Upper

99 100

42 24.7 17.4 26.0

71 39.6 28.1 42.1



#8

2-Chlorophenol

Concen: 11.807 ng

RT: 6.628 min Scan# 771

Delta R.T. -0.006 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

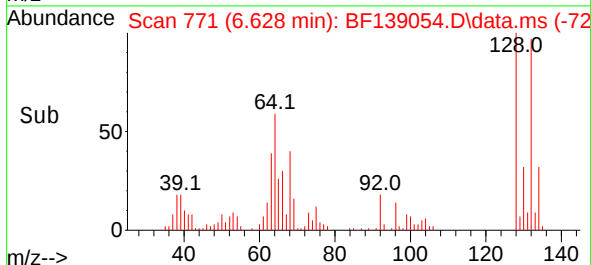
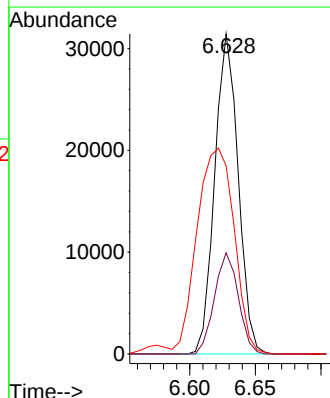
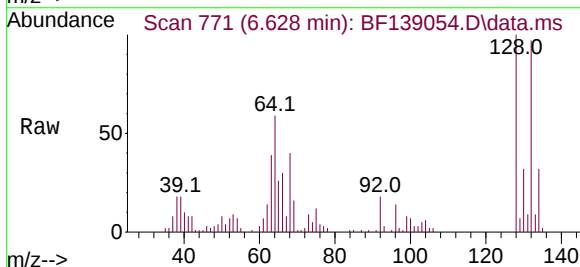
Tgt Ion: 128 Resp: 38982

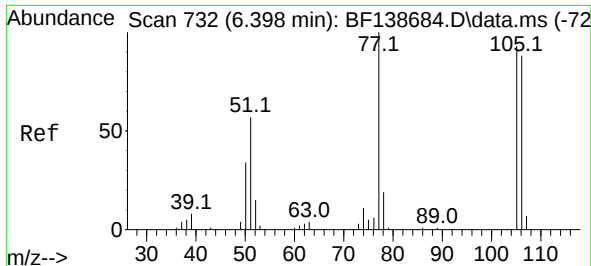
Ion Ratio Lower Upper

128 100

130 31.6 12.0 52.0

64 58.8 36.3 76.3





#9

Benzaldehyde

Concen: 13.831 ng

RT: 6.398 min Scan# 732

Delta R.T. 0.000 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

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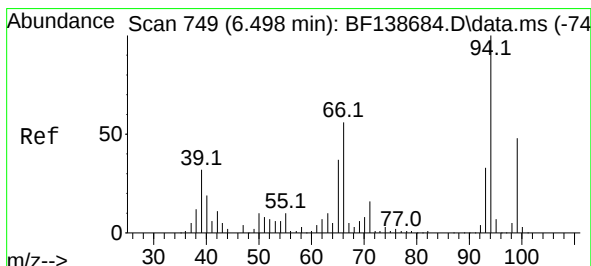
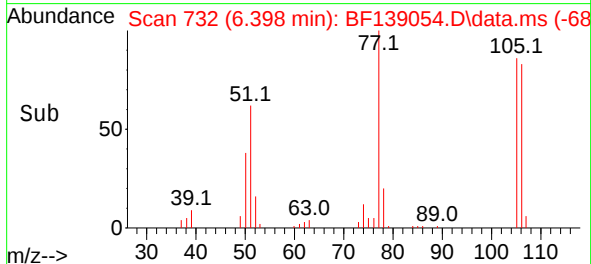
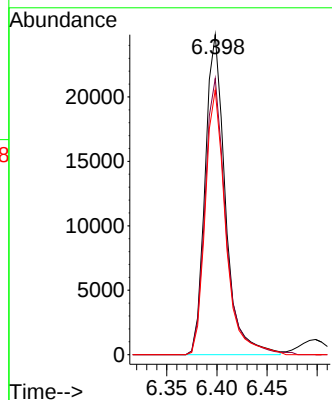
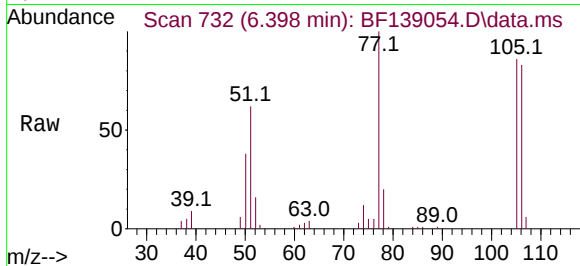
Tgt Ion: 77 Resp: 34932

Ion Ratio Lower Upper

77 100

105 86.3 72.9 112.9

106 82.7 68.4 108.4



#10

Phenol

Concen: 11.531 ng

RT: 6.498 min Scan# 749

Delta R.T. -0.000 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

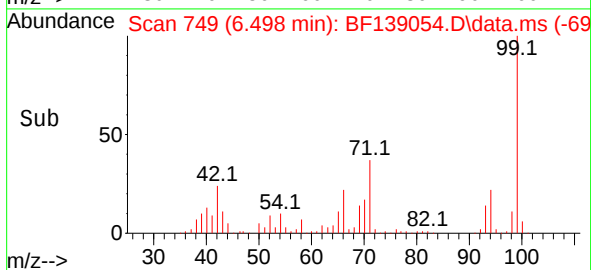
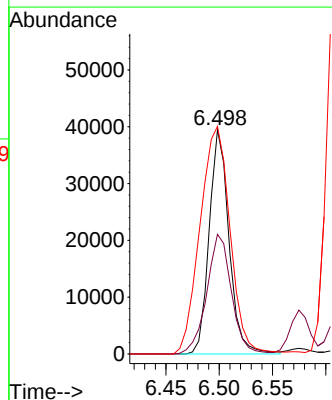
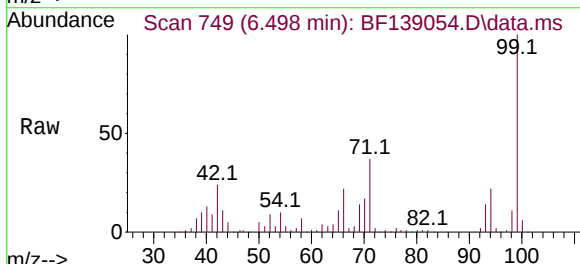
Tgt Ion: 94 Resp: 51151

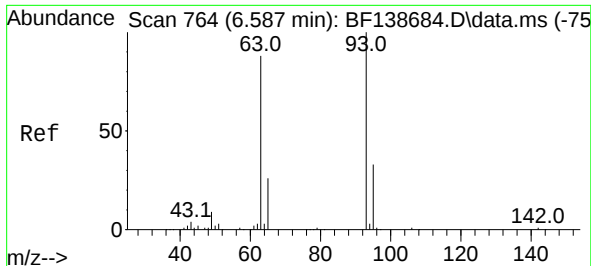
Ion Ratio Lower Upper

94 100

65 53.3 16.9 56.9

66 101.6 36.5 76.5#





#11

bis(2-Chloroethyl)ether

Concen: 11.169 ng

RT: 6.575 min Scan# 762

Delta R.T. -0.012 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

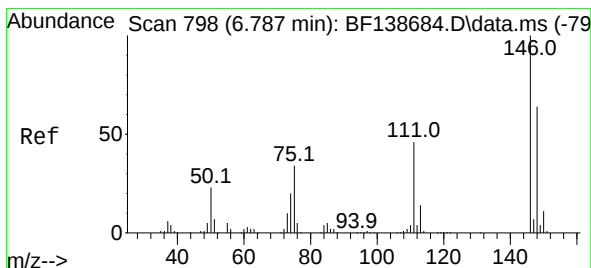
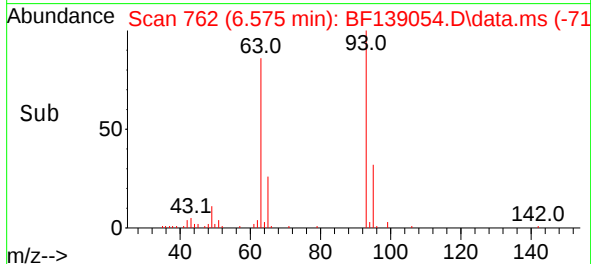
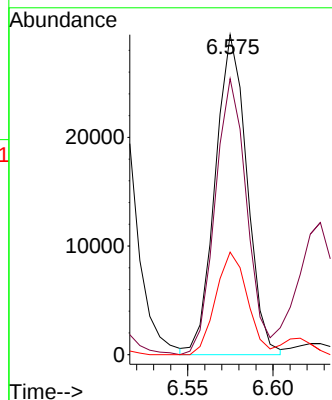
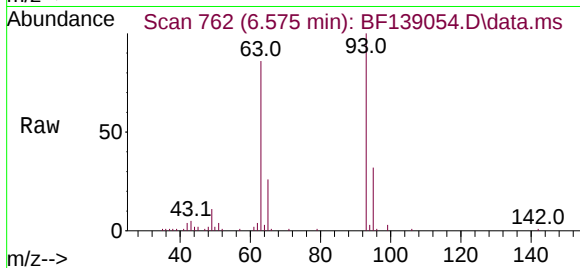
Tgt Ion: 93 Resp: 38126

Ion Ratio Lower Upper

93 100

63 86.3 65.3 105.3

95 32.0 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 11.438 ng

RT: 6.775 min Scan# 796

Delta R.T. -0.012 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

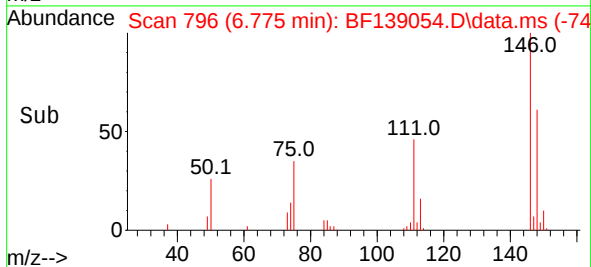
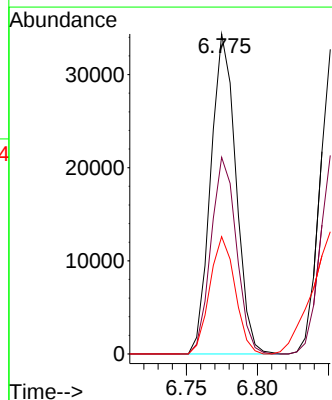
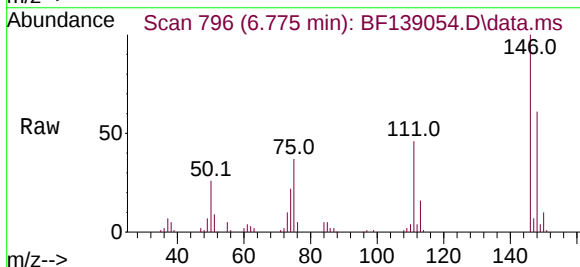
Tgt Ion: 146 Resp: 42272

Ion Ratio Lower Upper

146 100

148 61.4 51.2 76.8

75 36.7 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 11.323 ng

RT: 6.851 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

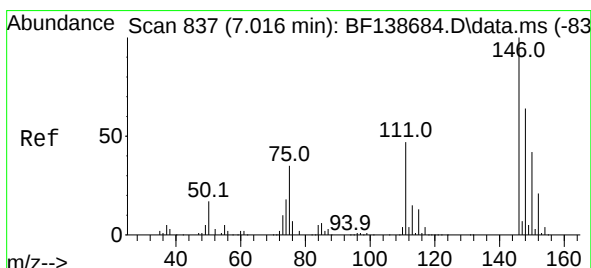
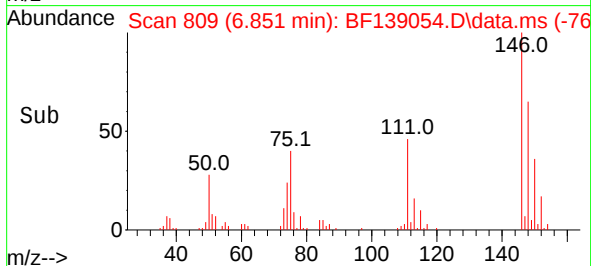
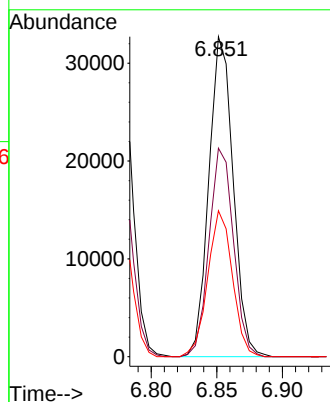
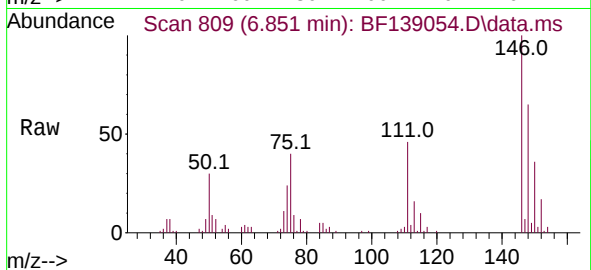
Tgt Ion:146 Resp: 42233

Ion Ratio Lower Upper

146 100

148 65.2 50.2 75.2

111 45.6 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 11.662 ng

RT: 7.004 min Scan# 835

Delta R.T. -0.012 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

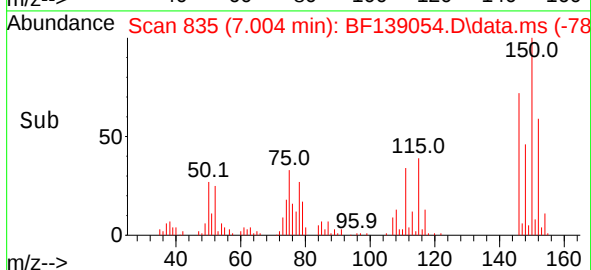
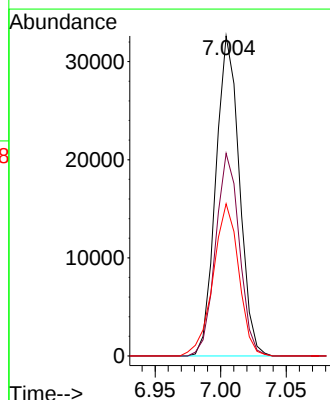
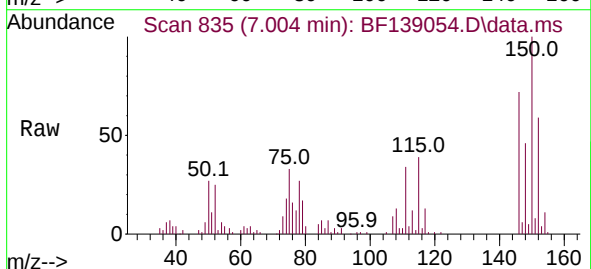
Tgt Ion:146 Resp: 40651

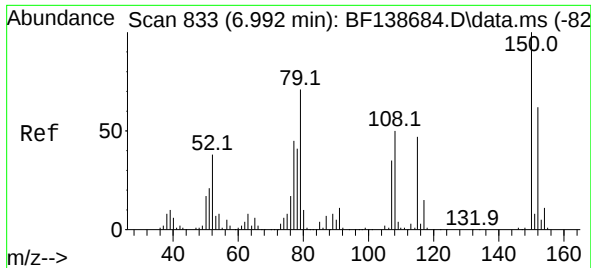
Ion Ratio Lower Upper

146 100

148 63.3 50.8 76.2

111 47.6 37.4 56.2





#15

Benzyl Alcohol

Concen: 13.456 ng

RT: 6.987 min Scan# 84

Delta R.T. -0.006 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

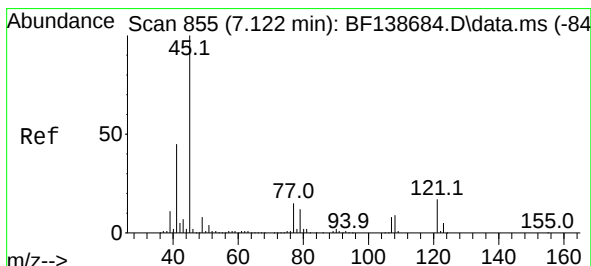
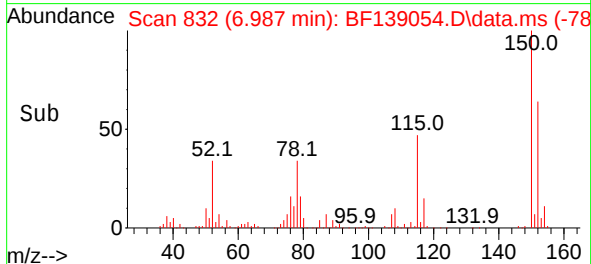
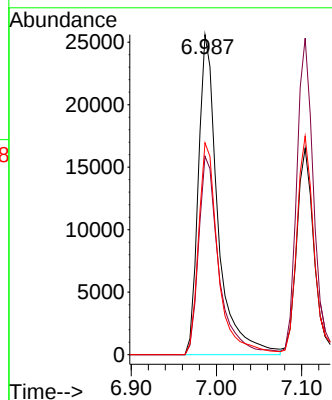
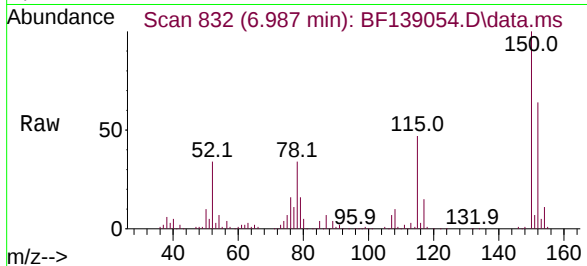
Tgt Ion: 79 Resp: 40862

Ion Ratio Lower Upper

79 100

108 62.0 56.6 85.0

77 66.2 50.3 75.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 11.820 ng

RT: 7.104 min Scan# 852

Delta R.T. -0.018 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

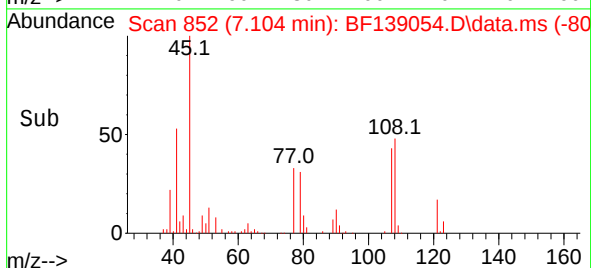
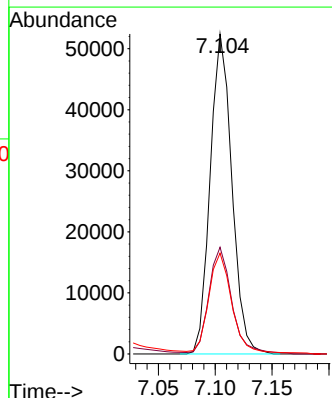
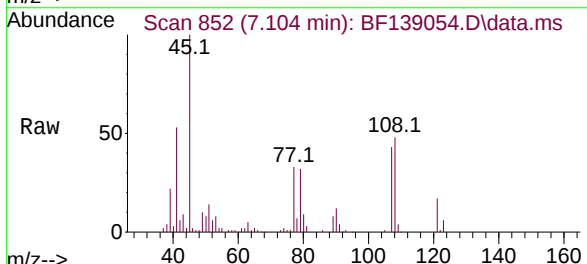
Tgt Ion: 45 Resp: 69443

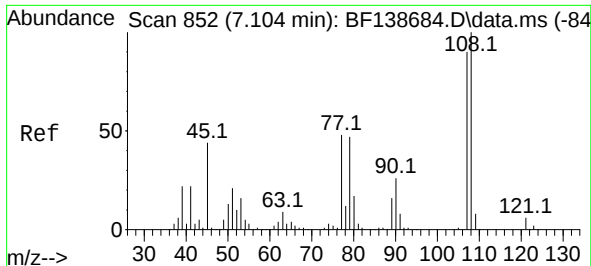
Ion Ratio Lower Upper

45 100

77 33.4 0.0 34.9

79 31.5 0.0 32.2

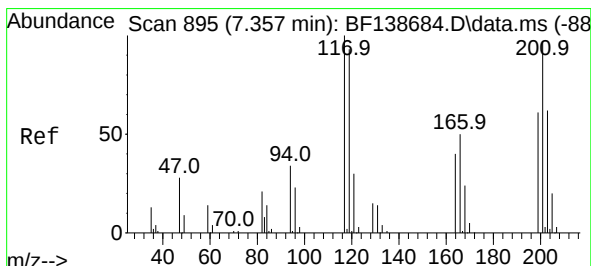
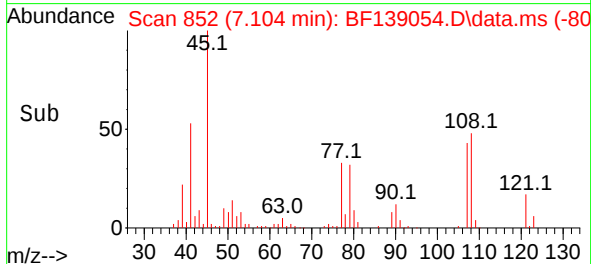
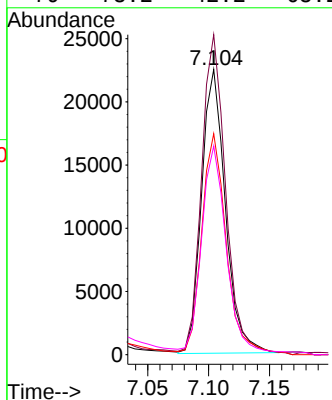
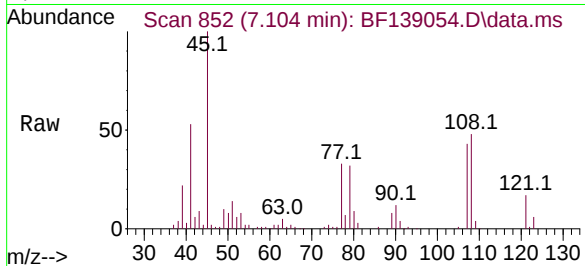




#17
2-Methylphenol
Concen: 11.181 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.000 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

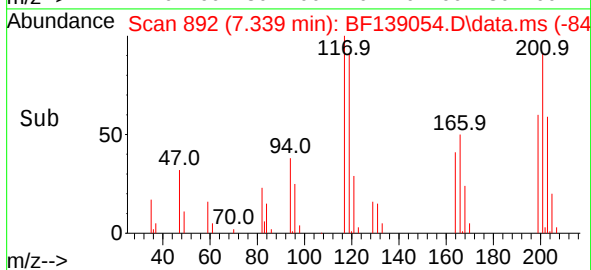
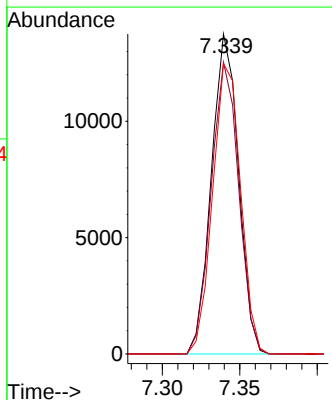
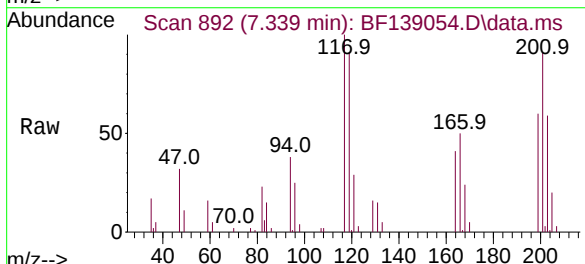
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:	107	Resp:	30483
Ion	Ratio	Lower	Upper
107	100		
108	112.2	89.2	133.8
77	77.5	43.0	64.4#
79	73.2	42.2	63.2#



#18
Hexachloroethane
Concen: 11.934 ng
RT: 7.339 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

Tgt Ion:	117	Resp:	16755
Ion	Ratio	Lower	Upper
117	100		
119	91.2	74.6	111.8
201	90.7	77.2	115.8





#19

n-Nitroso-di-n-propylamine

Concen: 12.637 ng

RT: 7.245 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF139054.D

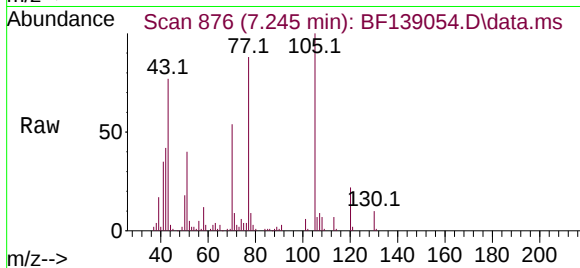
Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



Tgt Ion: 70 Resp: 32158

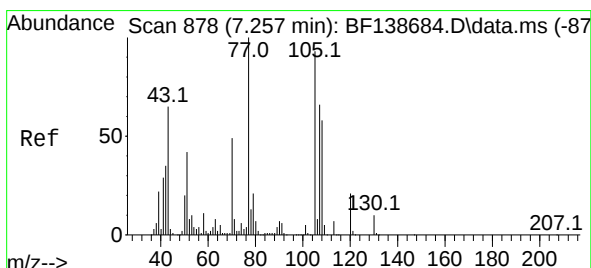
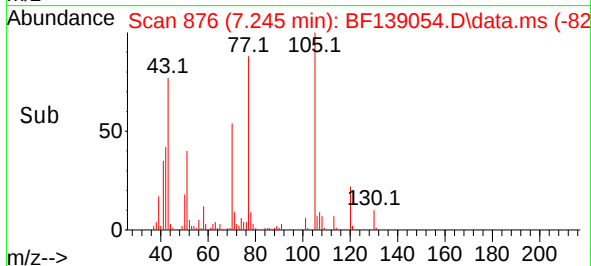
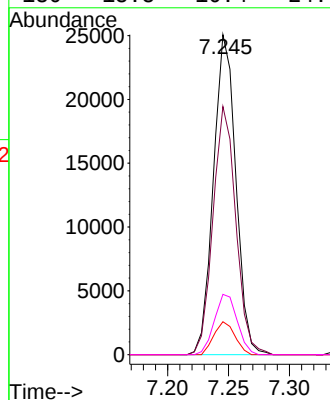
Ion Ratio Lower Upper

70 100

42 77.6 57.4 86.0

101 10.3 7.5 11.3

130 18.8 16.4 24.6



#20

3+4-Methylphenols

Concen: 11.872 ng

RT: 7.263 min Scan# 879

Delta R.T. 0.006 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Tgt Ion:107 Resp: 41530

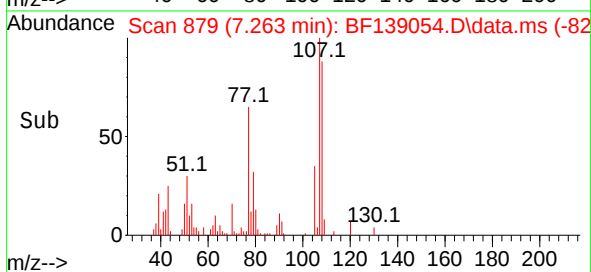
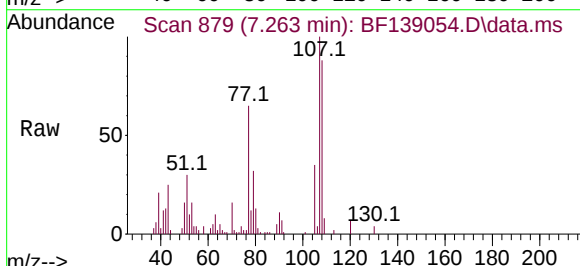
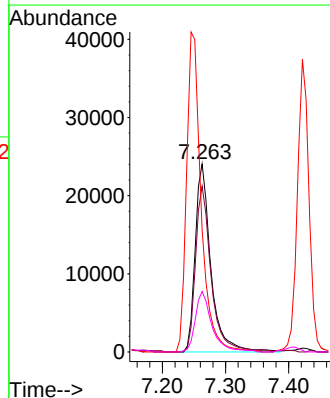
Ion Ratio Lower Upper

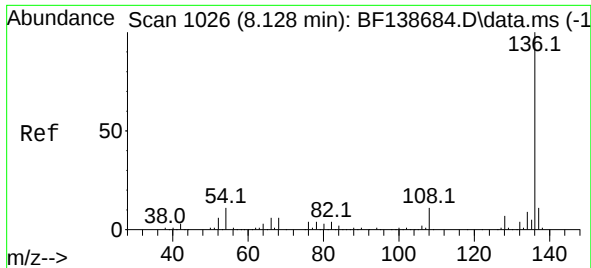
107 100

108 88.2 68.2 108.2

77 65.1 132.1 172.1#

79 32.1 11.5 51.5

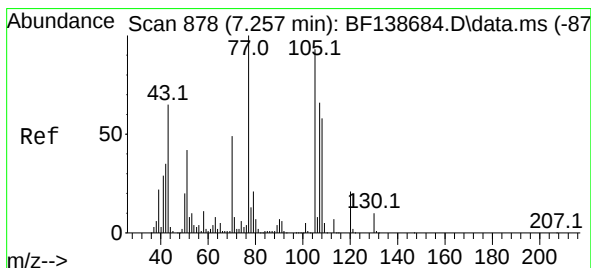
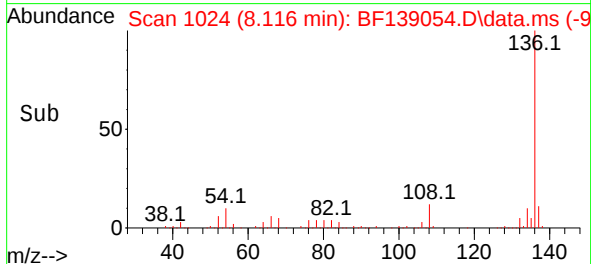
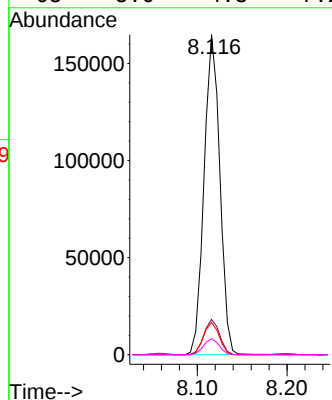
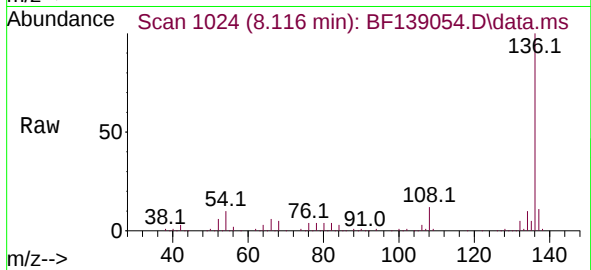




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

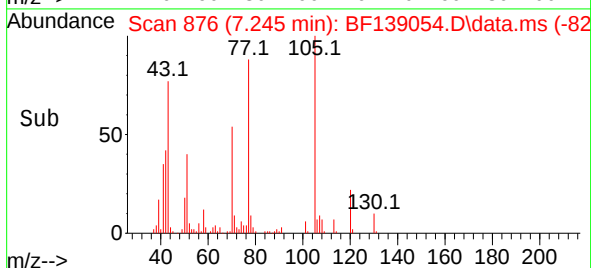
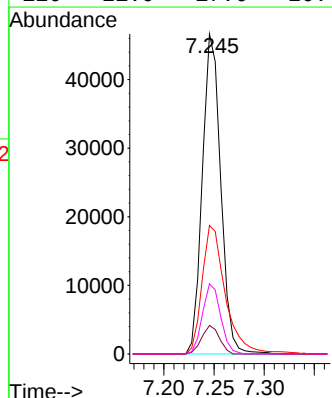
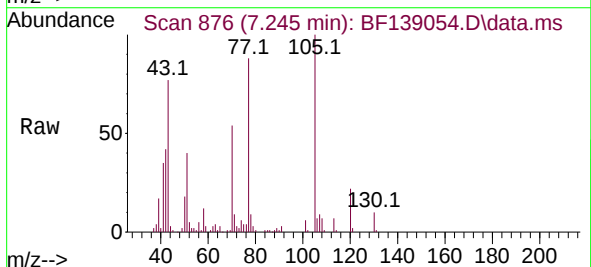
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

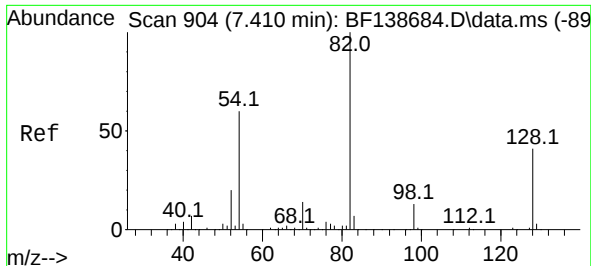
Tgt Ion:136	Resp:	201170
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	10.1	8.6 12.8
68	5.0	4.8 7.2



#22
Acetophenone
Concen: 12.113 ng
RT: 7.245 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

Tgt Ion:105	Resp:	59664
Ion Ratio	Lower	Upper
105	100	
71	8.9	7.2 10.8
51	40.2	35.9 53.9
120	21.9	17.6 26.4

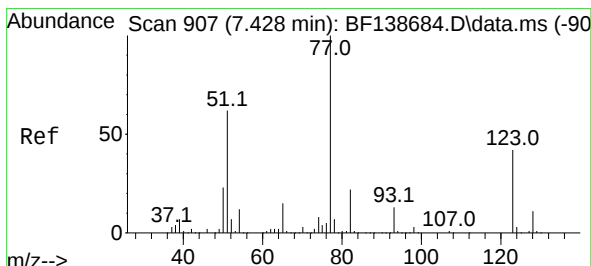
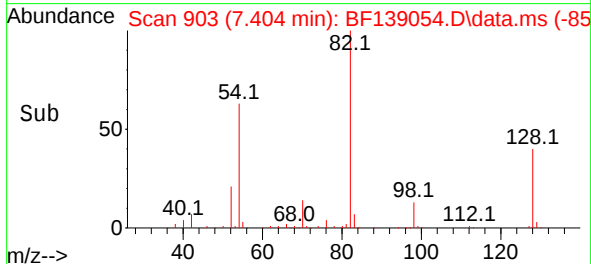
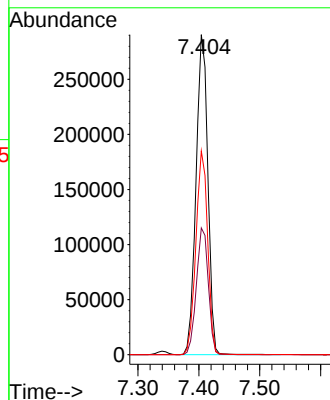
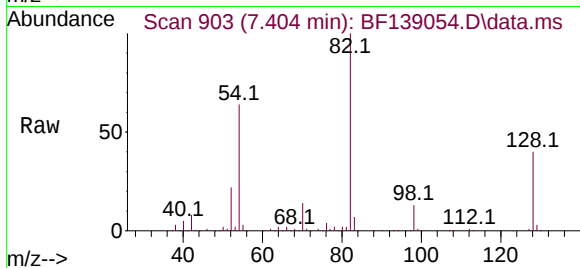




#23
Nitrobenzene-d5
Concen: 95.223 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

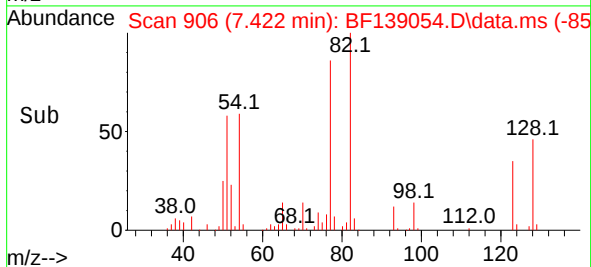
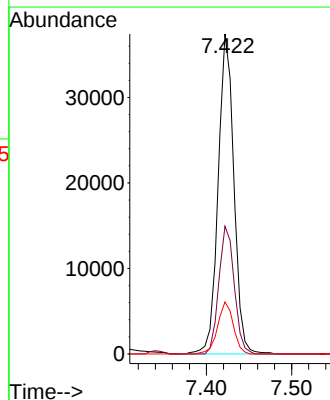
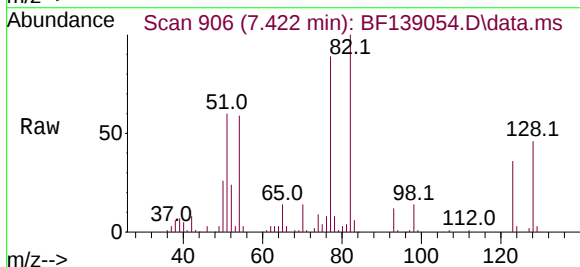
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

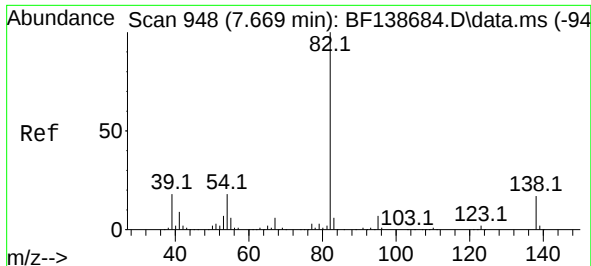
Tgt Ion: 82 Resp: 391807
Ion Ratio Lower Upper
82 100
128 39.6 32.8 49.2
54 63.6 48.3 72.5



#24
Nitrobenzene
Concen: 11.470 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

Tgt Ion: 77 Resp: 48024
Ion Ratio Lower Upper
77 100
123 39.9 33.3 49.9
65 16.2 11.9 17.9

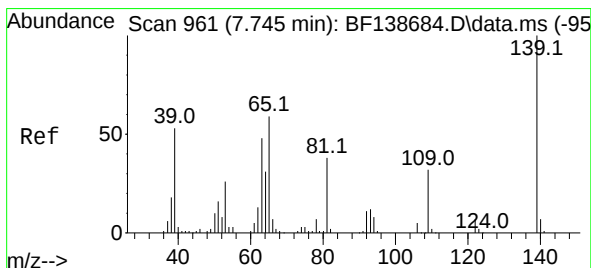
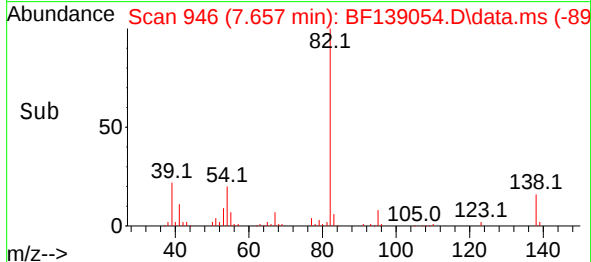
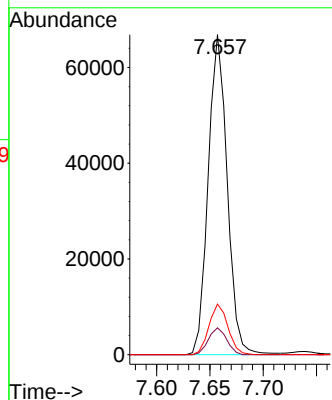
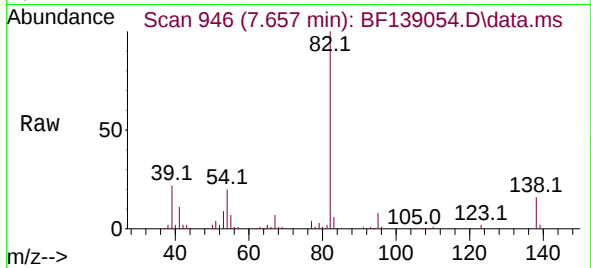




#25
Isophorone
Concen: 11.849 ng
RT: 7.657 min Scan# 948
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

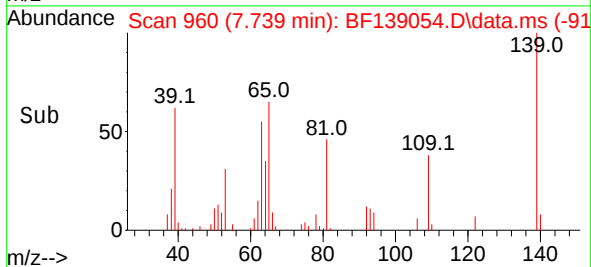
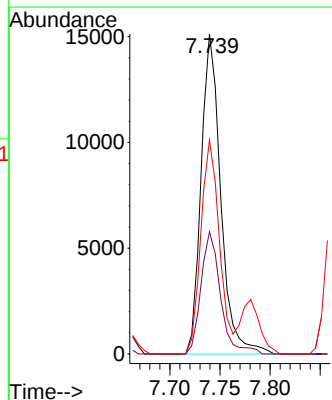
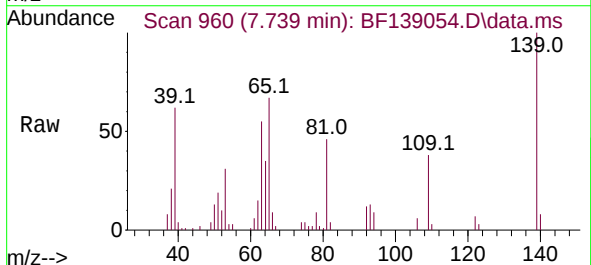
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

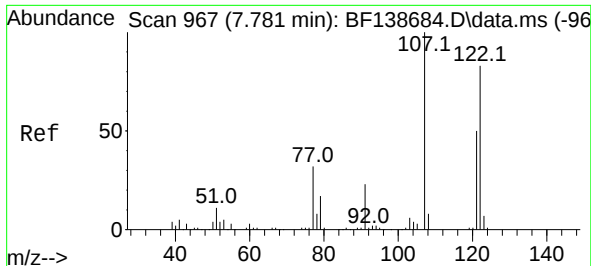
Tgt Ion: 82 Resp: 83253
Ion Ratio Lower Upper
82 100
95 8.4 5.7 8.5
138 15.8 13.7 20.5



#26
2-Nitrophenol
Concen: 11.453 ng
RT: 7.739 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

Tgt Ion:139 Resp: 20630
Ion Ratio Lower Upper
139 100
109 38.2 25.9 38.9
65 66.8 47.0 70.6

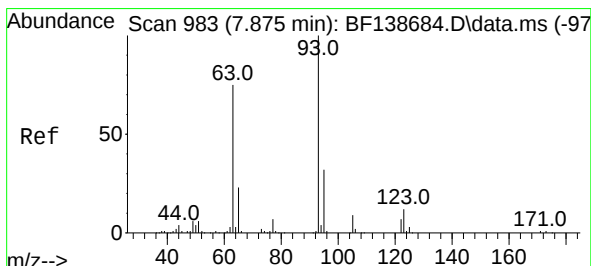
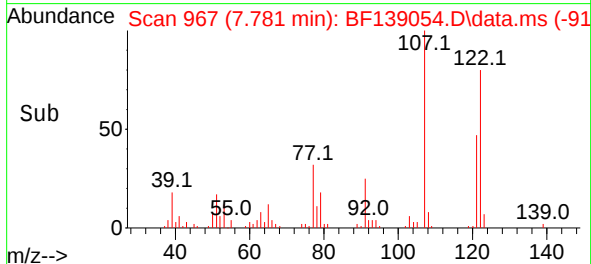
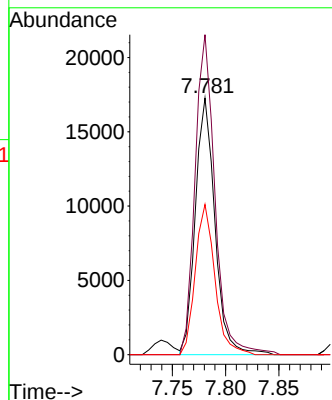
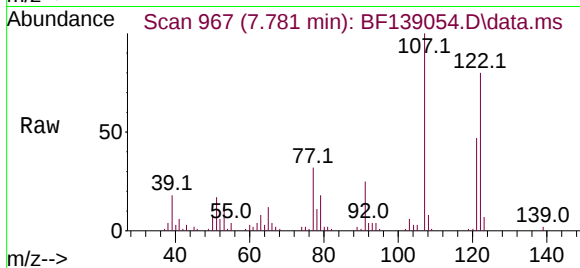




#27
2,4-Dimethylphenol
Concen: 10.306 ng
RT: 7.781 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

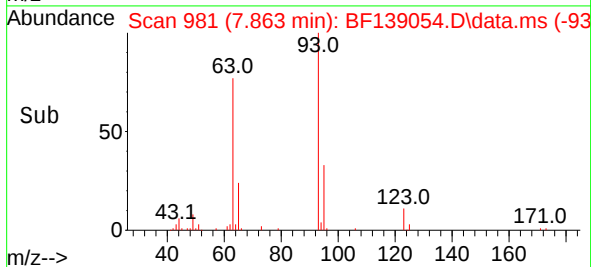
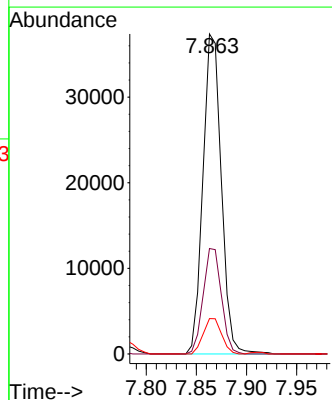
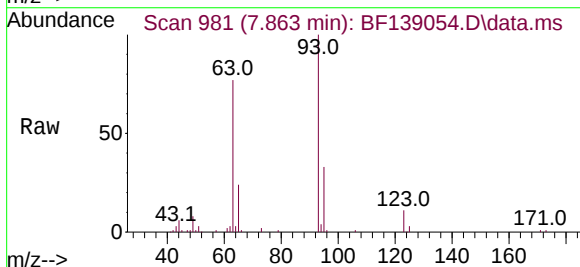
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

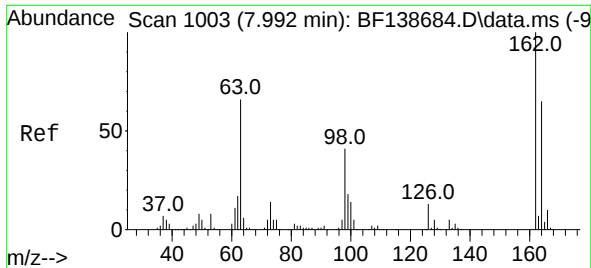
Tgt Ion:122 Resp: 22213
Ion Ratio Lower Upper
122 100
107 124.7 95.0 142.6
121 58.5 47.3 70.9



#28
bis(2-Chloroethoxy)methane
Concen: 11.174 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

Tgt Ion: 93 Resp: 47808
Ion Ratio Lower Upper
93 100
95 33.0 25.8 38.8
123 11.1 9.4 14.0

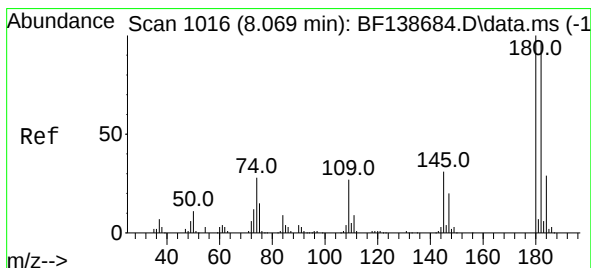
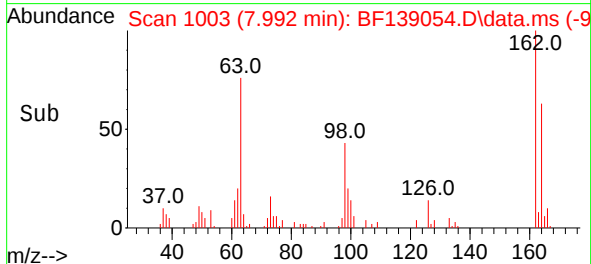
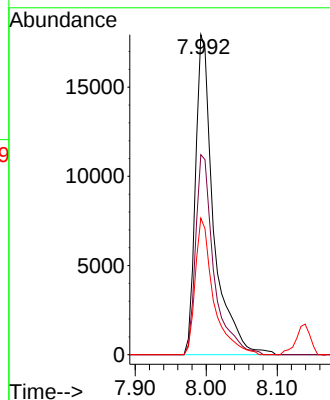
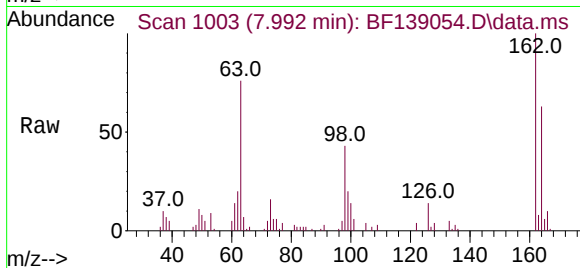




#29
2,4-Dichlorophenol
Concen: 11.544 ng
RT: 7.992 min Scan# 1003
Delta R.T. -0.000 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

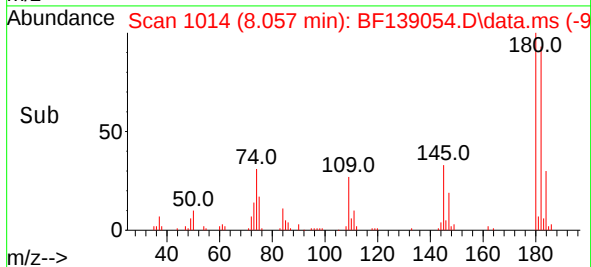
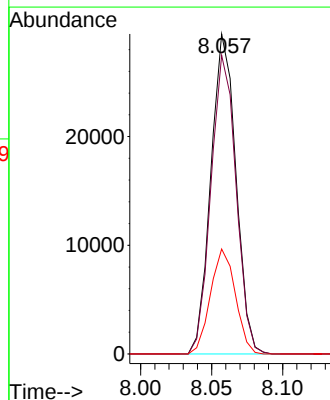
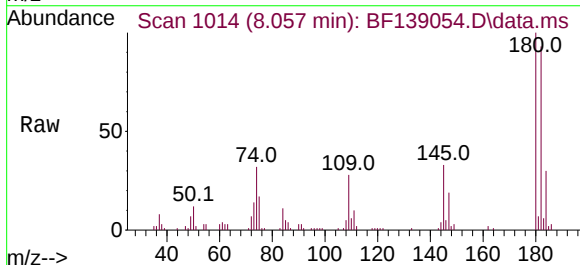
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

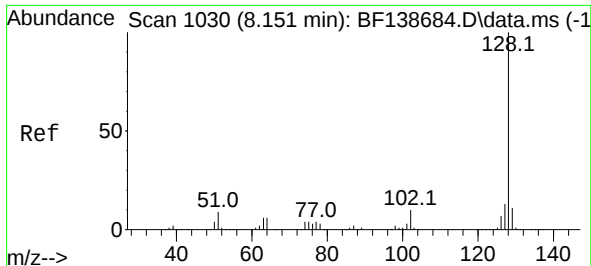
Tgt Ion:162	Resp:	31970
Ion	Ratio	Lower Upper
162	100	
164	62.5	44.7 84.7
98	42.7	20.8 60.8



#30
1,2,4-Trichlorobenzene
Concen: 11.279 ng
RT: 8.057 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

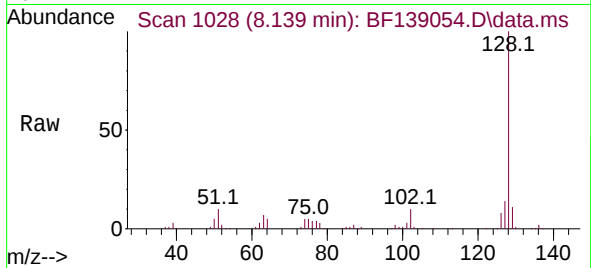
Tgt Ion:180	Resp:	36049
Ion	Ratio	Lower Upper
180	100	
182	93.3	76.9 115.3
145	32.8	25.0 37.4



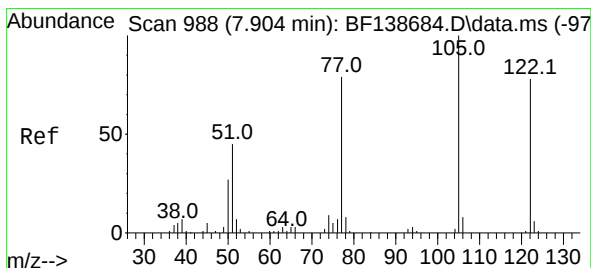
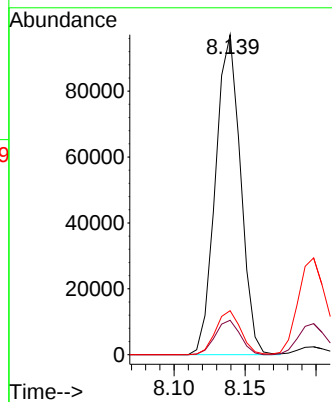
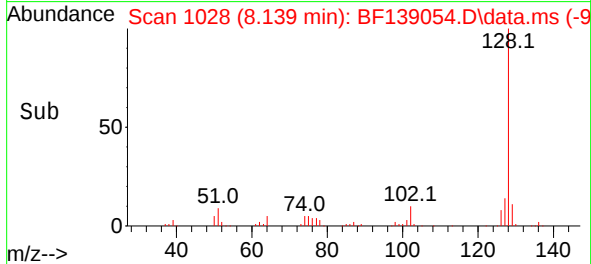


#31
Naphthalene
Concen: 11.239 ng
RT: 8.139 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

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

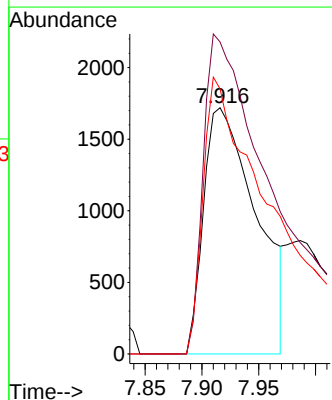
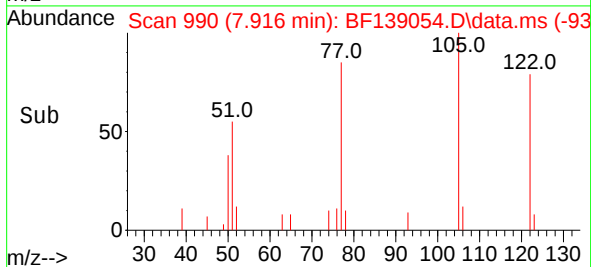
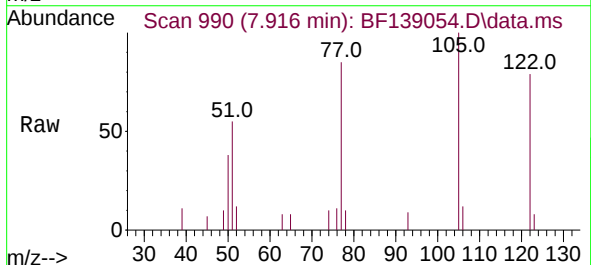


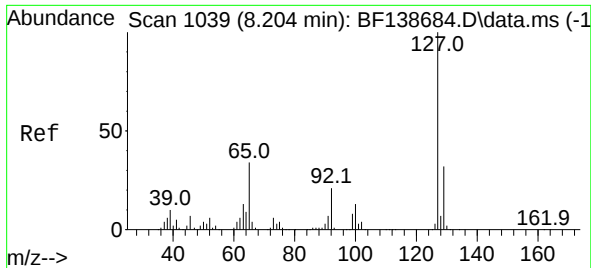
Tgt Ion:128 Resp: 119007
Ion Ratio Lower Upper
128 100
129 10.7 8.7 13.1
127 13.8 10.6 16.0



#32
Benzoic acid
Concen: 3.259 ng
RT: 7.916 min Scan# 990
Delta R.T. 0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

Tgt Ion:122 Resp: 5521
Ion Ratio Lower Upper
122 100
105 126.7 106.7 146.7
77 107.7 81.1 121.1

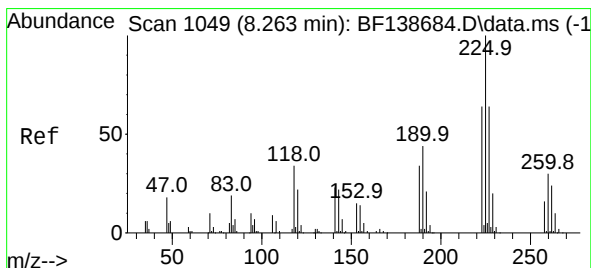
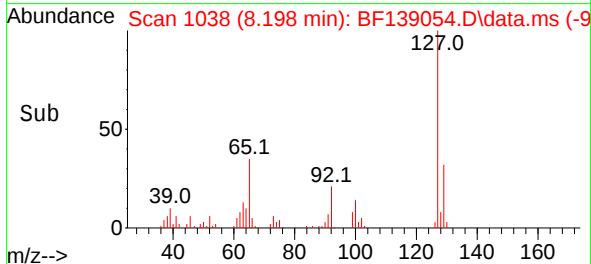
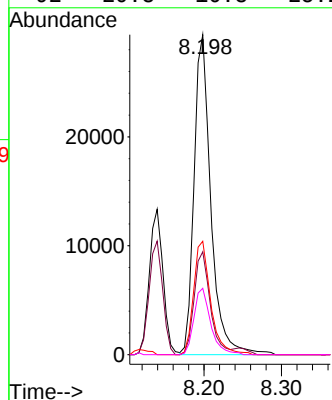
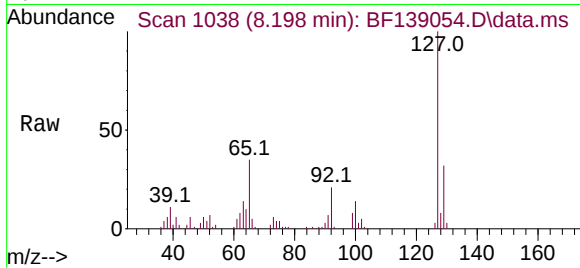




#33
4-Chloroaniline
Concen: 12.454 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

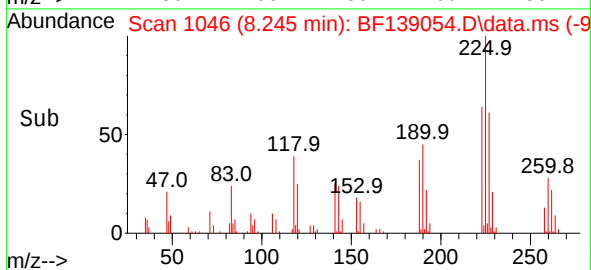
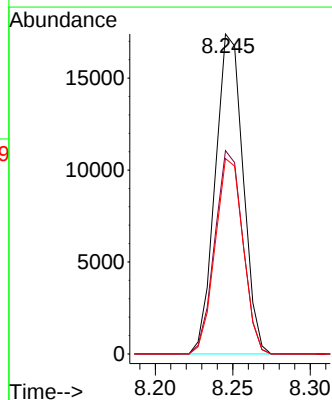
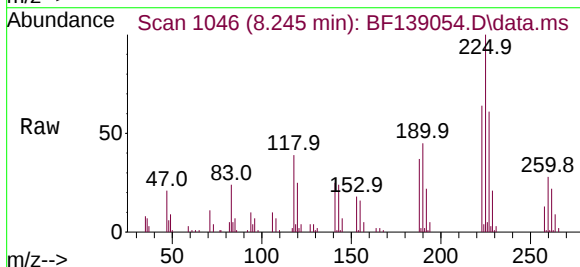
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

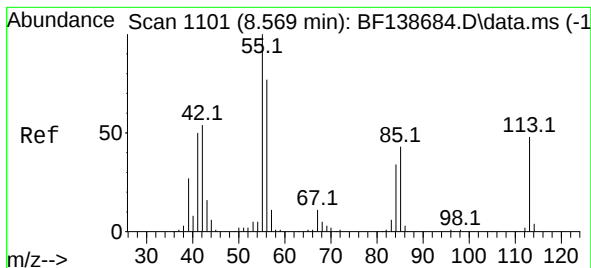
Tgt Ion:	127	Resp:	44268
Ion Ratio	Lower	Upper	
127	100		
129	32.1	25.9	38.9
65	35.5	27.6	41.4
92	20.8	16.8	25.2



#34
Hexachlorobutadiene
Concen: 11.227 ng
RT: 8.245 min Scan# 1046
Delta R.T. -0.018 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

Tgt Ion:	225	Resp:	21733
Ion Ratio	Lower	Upper	
225	100		
223	63.6	51.2	76.8
227	61.1	51.1	76.7





#35

Caprolactam

Concen: 12.258 ng

RT: 8.551 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

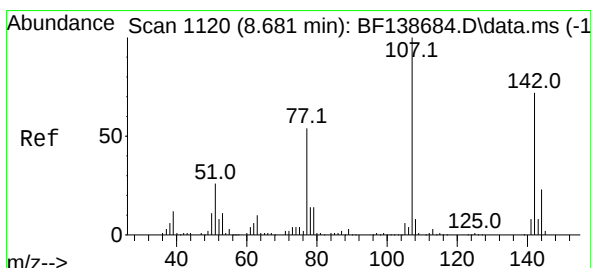
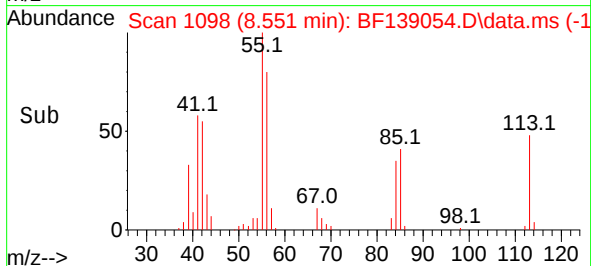
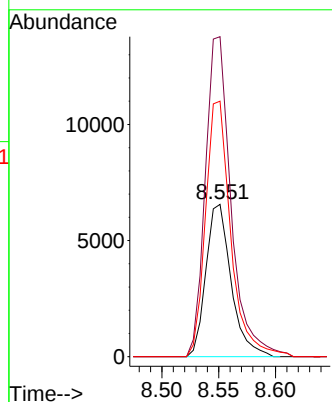
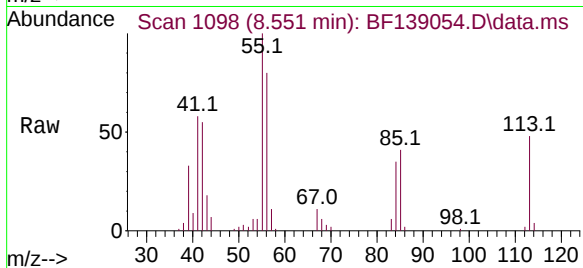
Tgt Ion:113 Resp: 10130

Ion Ratio Lower Upper

113 100

55 210.0 186.7 226.7

56 167.7 138.9 178.9



#36

4-Chloro-3-methylphenol

Concen: 12.066 ng

RT: 8.681 min Scan# 1120

Delta R.T. -0.000 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

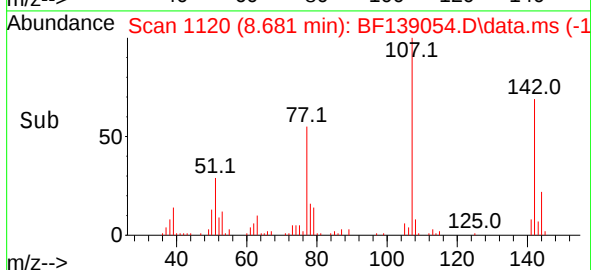
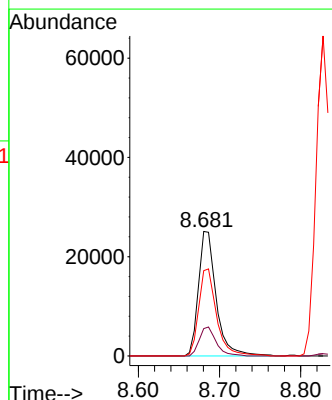
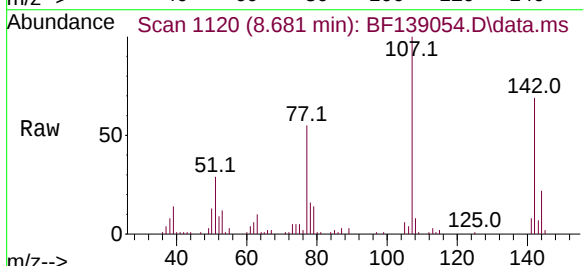
Tgt Ion:107 Resp: 38189

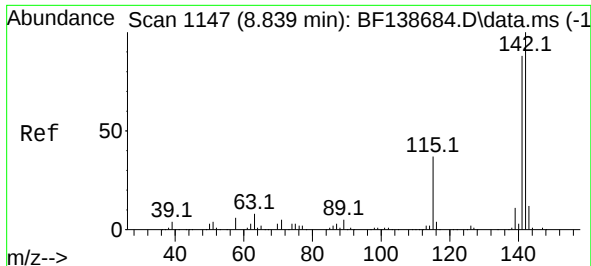
Ion Ratio Lower Upper

107 100

144 22.0 18.2 27.2

142 68.6 57.4 86.2





#37

2-Methylnaphthalene

Concen: 11.706 ng

RT: 8.828 min Scan# 1145

Delta R.T. -0.012 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

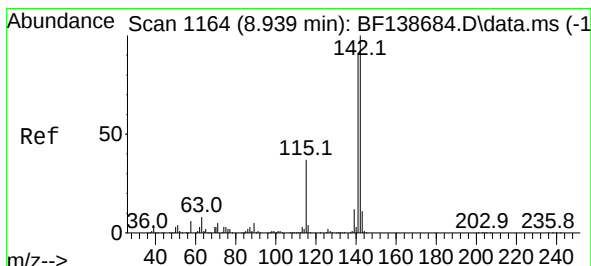
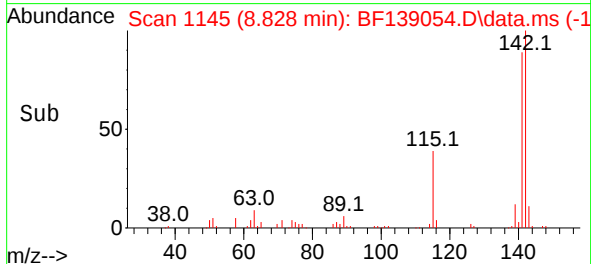
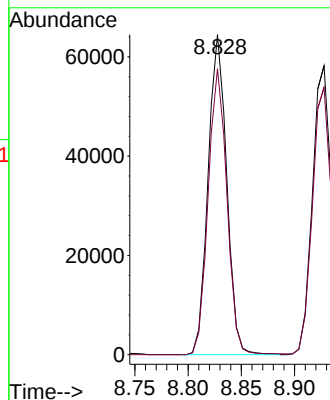
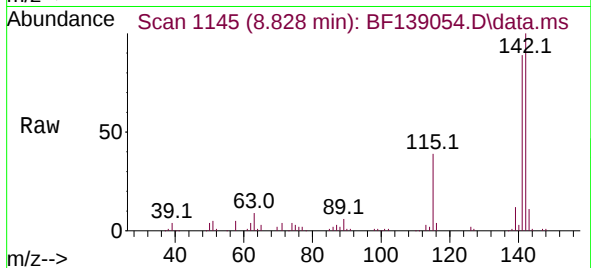
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:142 Resp: 78282

Ion Ratio Lower Upper

142 100

141 89.4 70.8 106.2



#38

1-Methylnaphthalene

Concen: 11.160 ng

RT: 8.928 min Scan# 1162

Delta R.T. -0.012 min

Lab File: BF139054.D

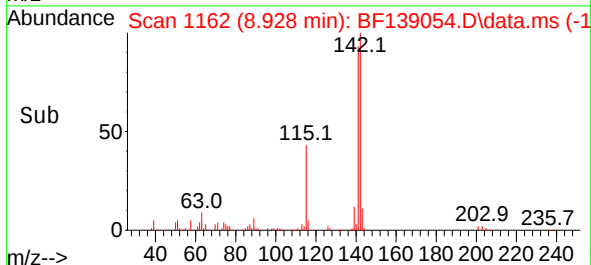
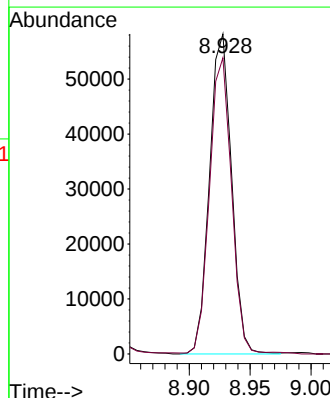
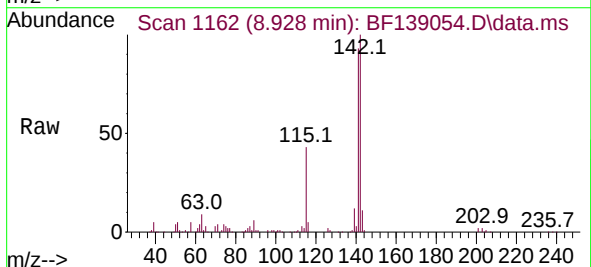
Acq: 16 Aug 2024 12:43

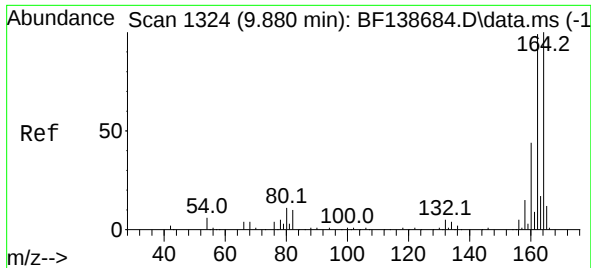
Tgt Ion:142 Resp: 73136

Ion Ratio Lower Upper

142 100

141 92.6 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 116317

Delta R.T. -0.011 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

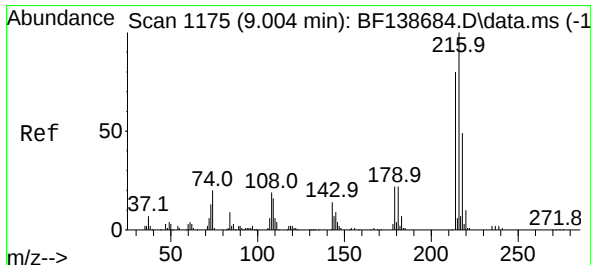
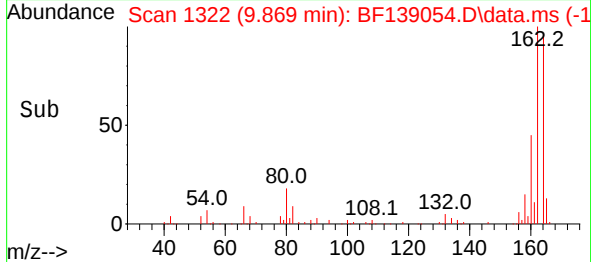
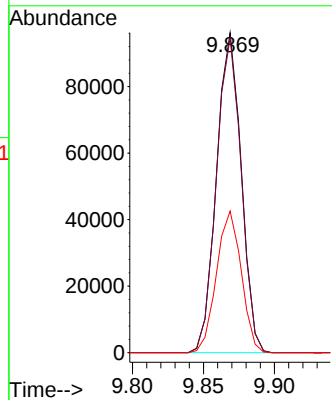
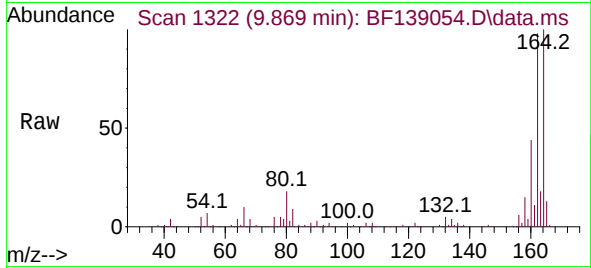
Tgt Ion:164 Resp: 116317

Ion Ratio Lower Upper

164 100

162 98.3 79.4 119.0

160 44.2 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 11.392 ng

RT: 8.992 min Scan# 1173

Delta R.T. -0.012 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Tgt Ion:216 Resp: 36810

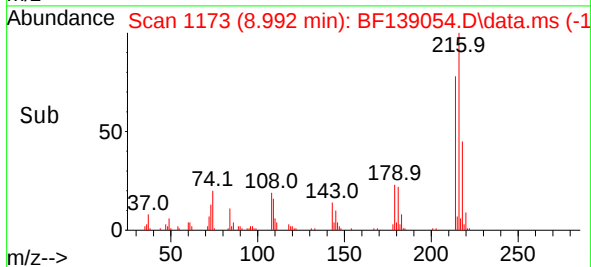
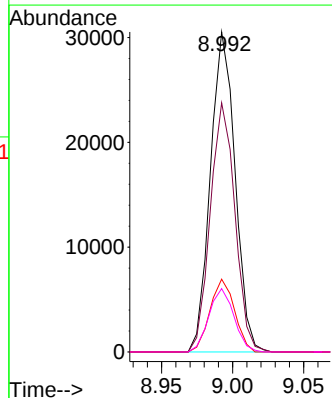
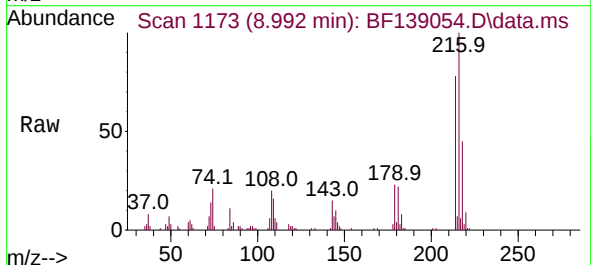
Ion Ratio Lower Upper

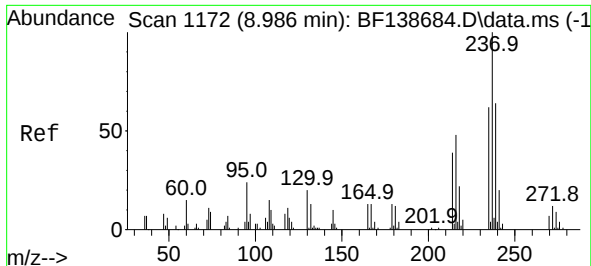
216 100

214 77.8 63.9 95.9

179 22.7 17.8 26.6

108 20.2 16.0 24.0

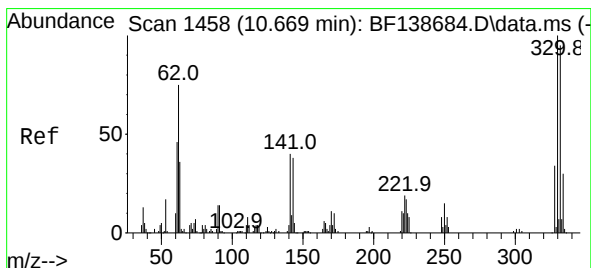
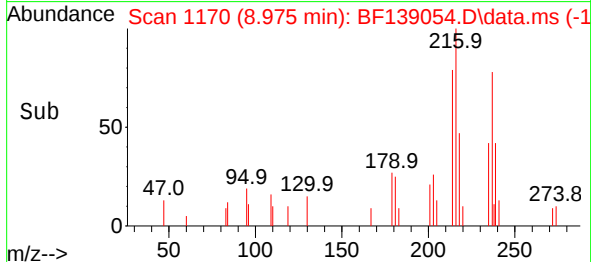
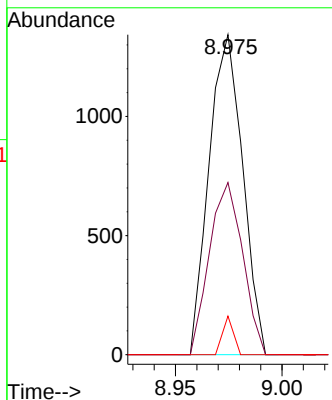
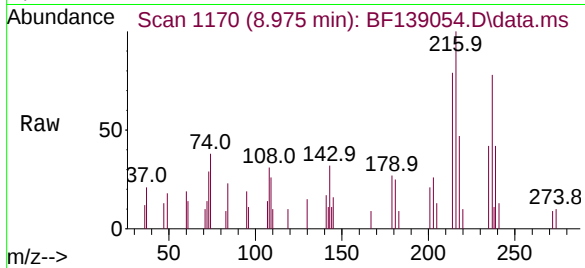




#41
Hexachlorocyclopentadiene
Concen: 8.538 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.011 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

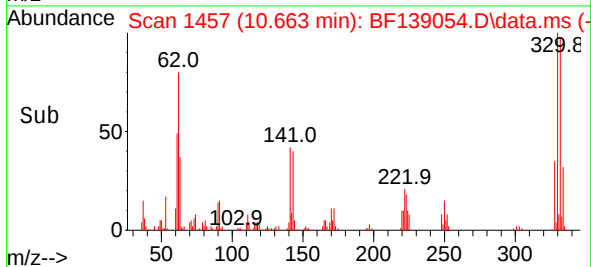
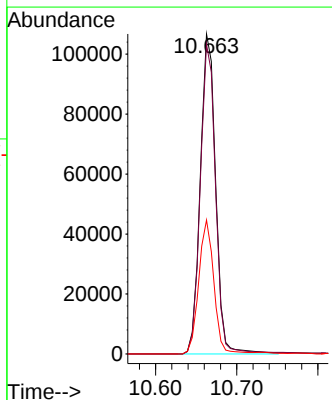
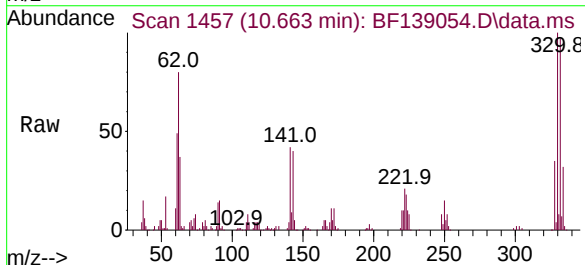
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

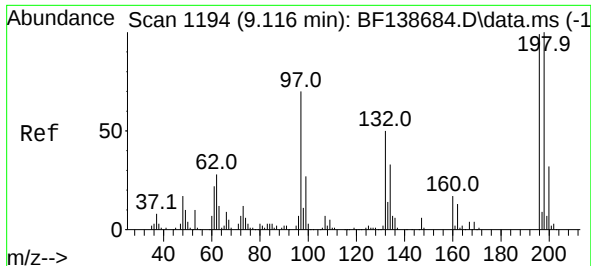
Tgt Ion:237	Resp:	1473
Ion Ratio	Lower	Upper
237	100	
235	53.8	41.8 81.8
272	12.1	0.0 32.2



#42
2,4,6-Tribromophenol
Concen: 147.514 ng
RT: 10.663 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

Tgt Ion:330	Resp:	140550
Ion Ratio	Lower	Upper
330	100	
332	96.7	76.4 114.6
141	41.1	31.1 46.7





#43

2,4,6-Trichlorophenol

Concen: 10.021 ng

RT: 9.116 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

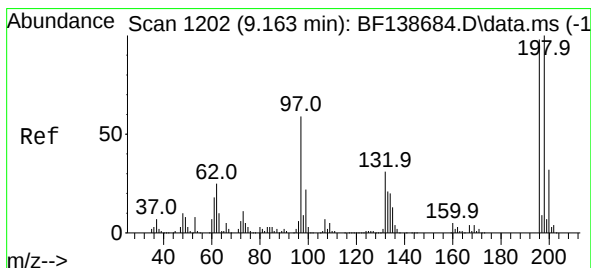
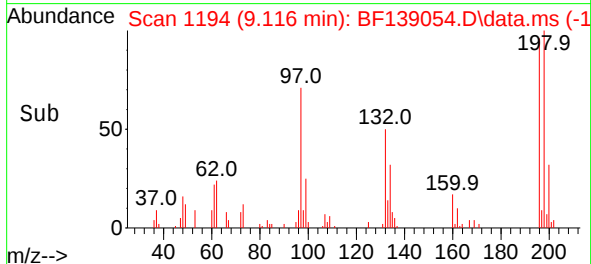
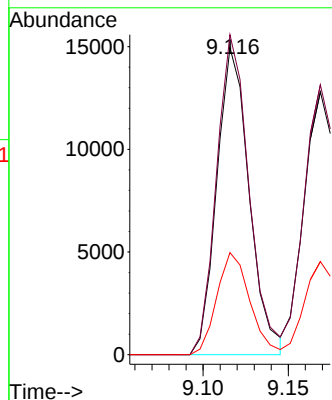
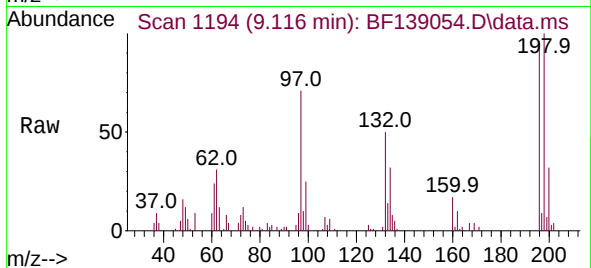
Tgt Ion:196 Resp: 19742

Ion Ratio Lower Upper

196 100

198 104.2 80.5 120.7

200 33.3 25.9 38.9



#44

2,4,5-Trichlorophenol

Concen: 10.182 ng

RT: 9.169 min Scan# 1203

Delta R.T. 0.006 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Tgt Ion:196 Resp: 21928

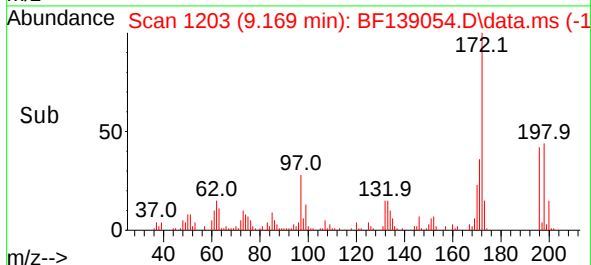
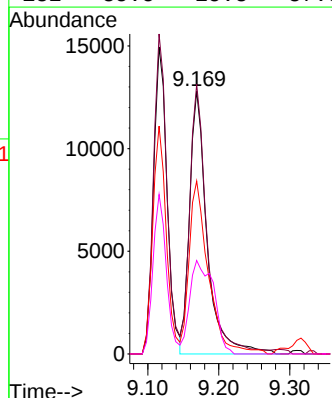
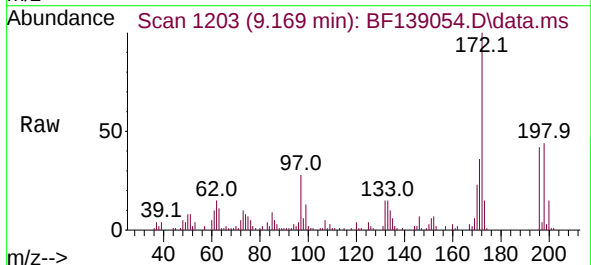
Ion Ratio Lower Upper

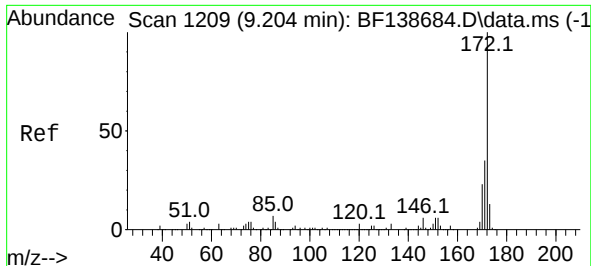
196 100

198 102.7 81.2 121.8

97 65.8 47.8 71.6

132 35.5 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 93.663 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.012 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

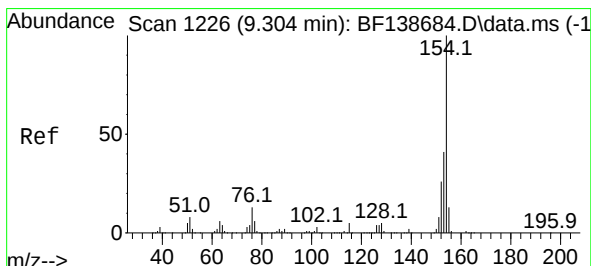
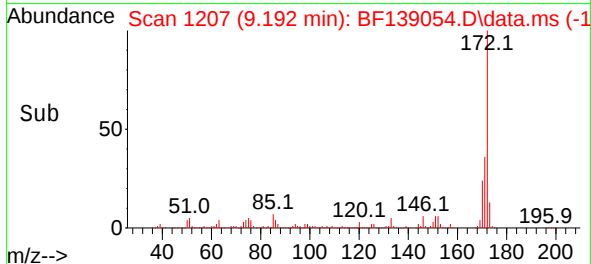
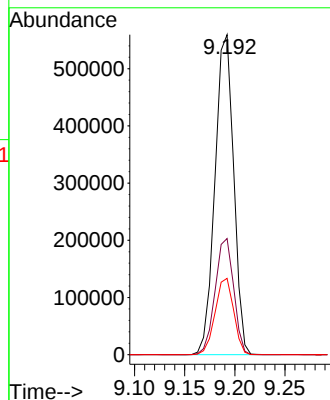
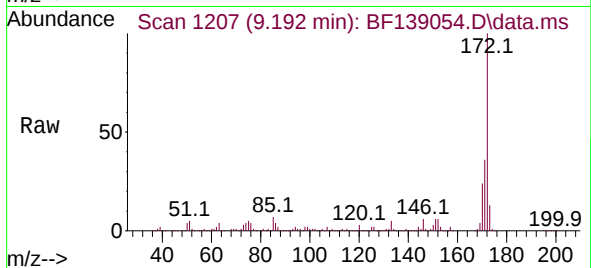
Tgt Ion:172 Resp: 725100

Ion Ratio Lower Upper

172 100

171 36.3 28.3 42.5

170 23.8 18.8 28.2



#46

1,1'-Biphenyl

Concen: 11.392 ng

RT: 9.286 min Scan# 1223

Delta R.T. -0.018 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

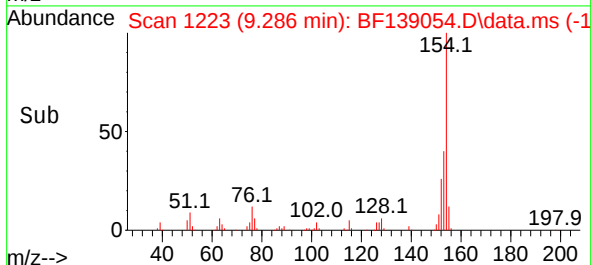
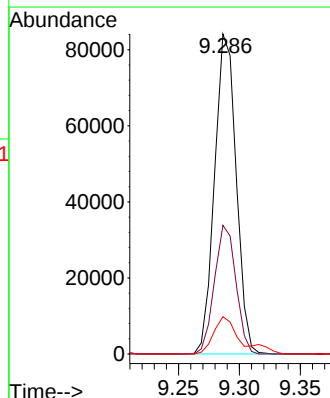
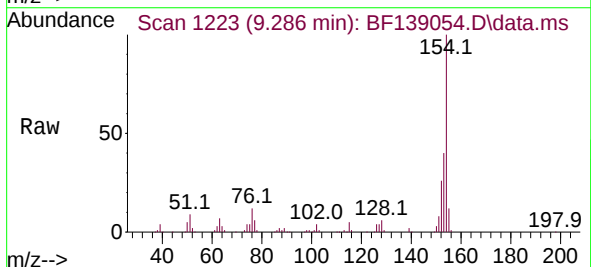
Tgt Ion:154 Resp: 103775

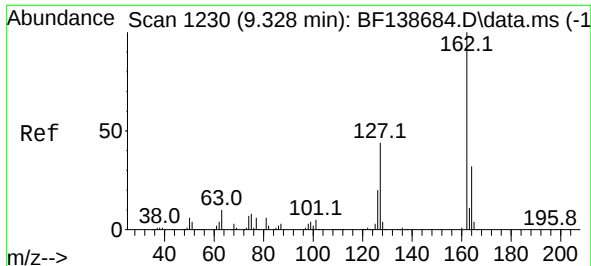
Ion Ratio Lower Upper

154 100

153 40.2 20.8 60.8

76 11.7 0.0 32.8





#47

2-Chloronaphthalene

Concen: 10.854 ng

RT: 9.316 min Scan# 1228

Delta R.T. -0.012 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

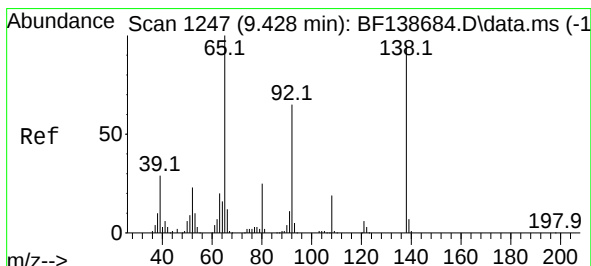
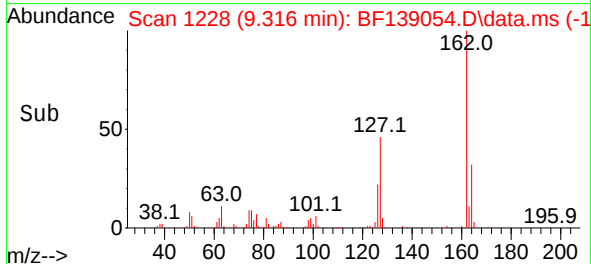
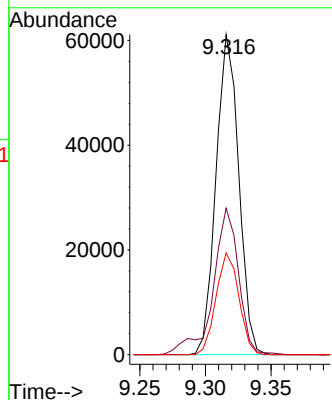
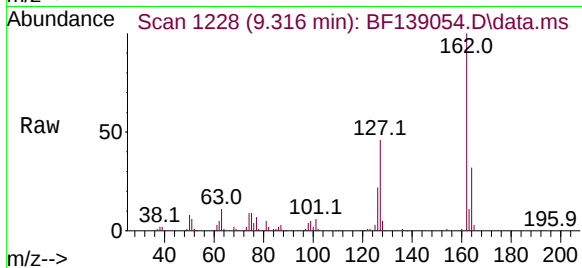
Tgt Ion:162 Resp: 73539

Ion Ratio Lower Upper

162 100

127 45.8 35.4 53.2

164 31.8 25.6 38.4



#48

2-Nitroaniline

Concen: 11.887 ng

RT: 9.422 min Scan# 1246

Delta R.T. -0.006 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

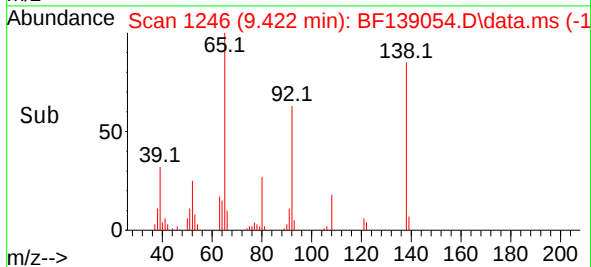
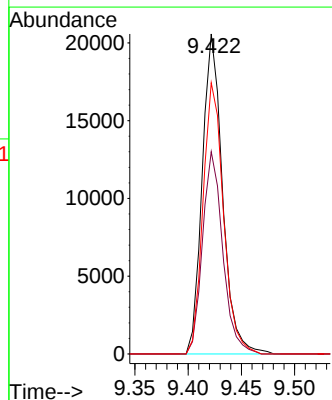
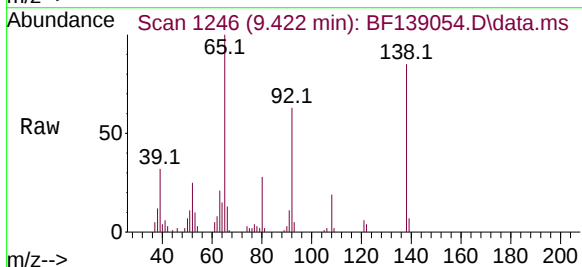
Tgt Ion: 65 Resp: 27303

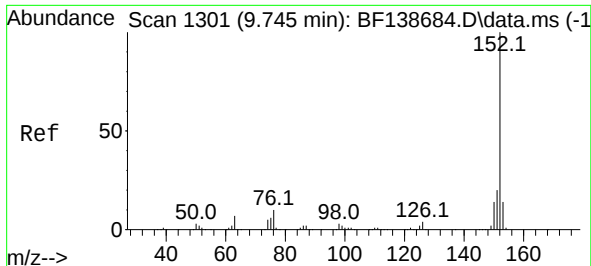
Ion Ratio Lower Upper

65 100

92 63.2 52.0 78.0

138 84.8 76.2 114.4





#49

Acenaphthylene

Concen: 12.098 ng

RT: 9.728 min Scan# 1298

Delta R.T. -0.018 min

Lab File: BF139054.D

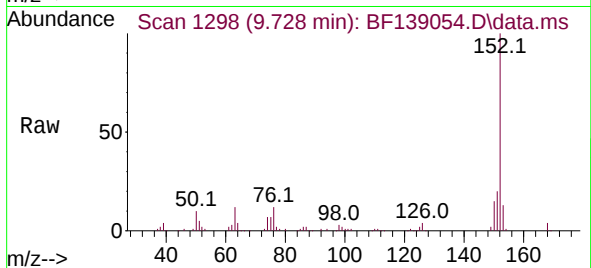
Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



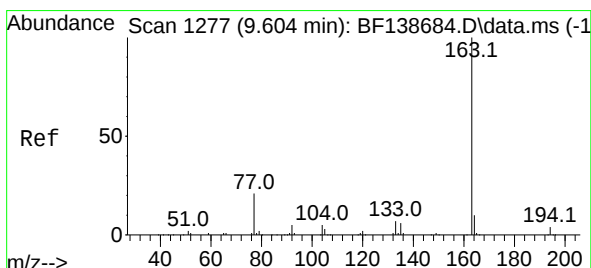
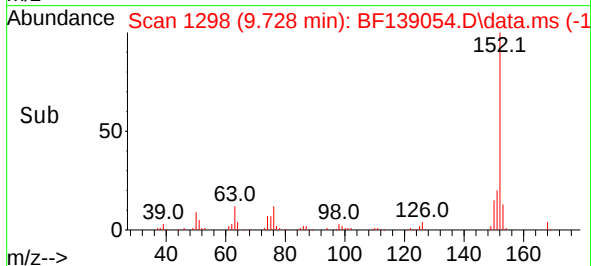
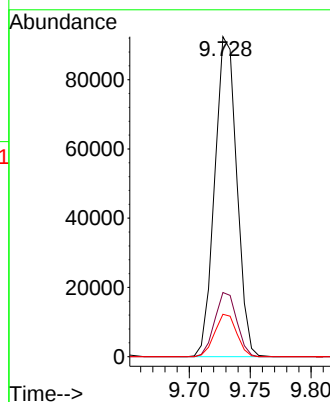
Tgt Ion:152 Resp: 116254

Ion Ratio Lower Upper

152 100

151 20.1 16.0 24.0

153 13.3 11.0 16.4



#50

Dimethylphthalate

Concen: 12.304 ng

RT: 9.586 min Scan# 1274

Delta R.T. -0.018 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

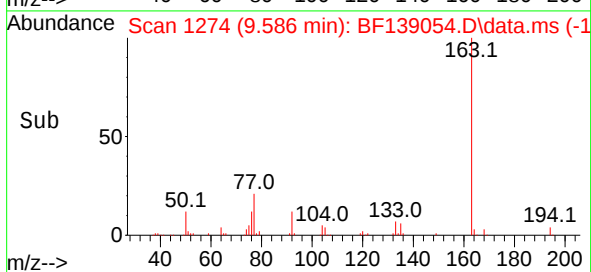
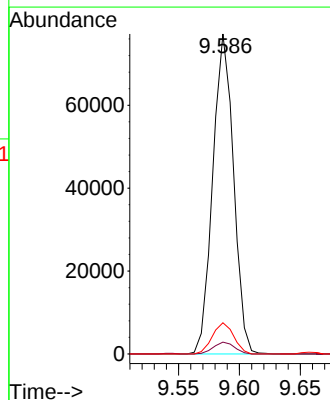
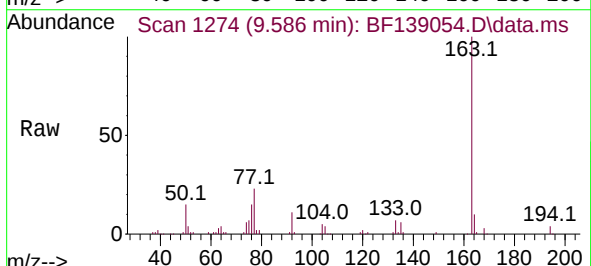
Tgt Ion:163 Resp: 91507

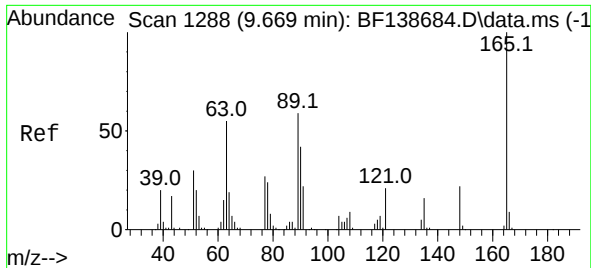
Ion Ratio Lower Upper

163 100

194 3.7 3.1 4.7

164 9.8 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 11.266 ng

RT: 9.657 min Scan# 1286

Delta R.T. -0.012 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

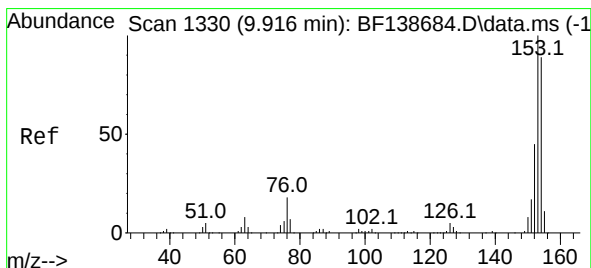
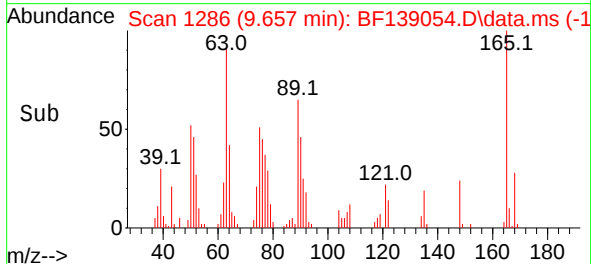
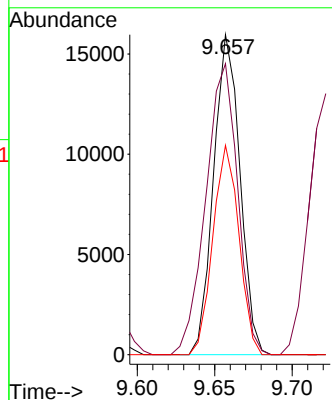
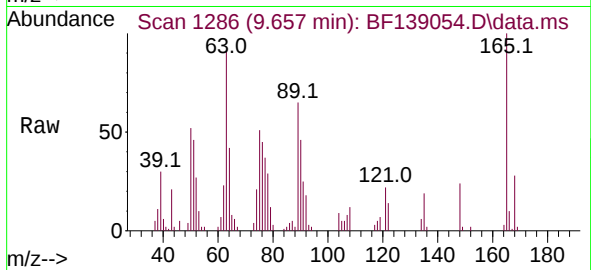
Tgt Ion:165 Resp: 18910

Ion Ratio Lower Upper

165 100

63 90.9 52.0 78.0#

89 65.4 47.0 70.6



#52

Acenaphthene

Concen: 11.015 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.018 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

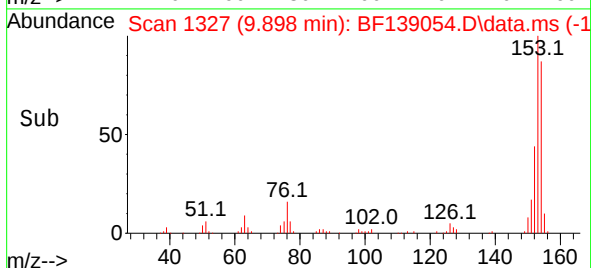
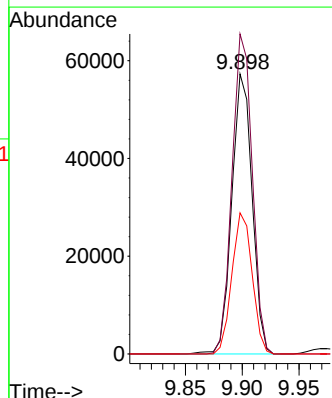
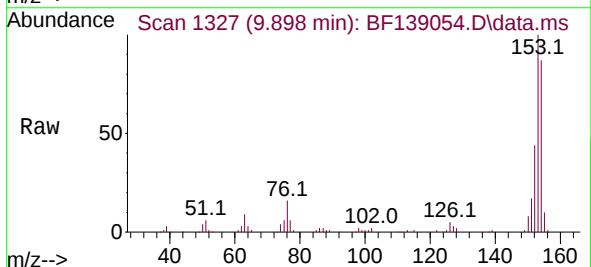
Tgt Ion:154 Resp: 71154

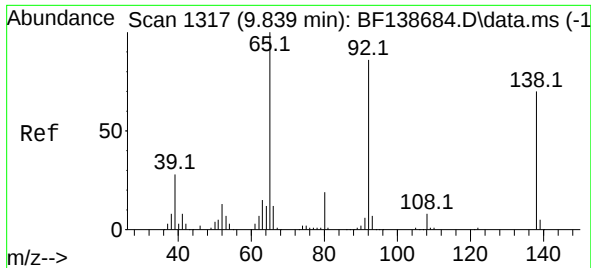
Ion Ratio Lower Upper

154 100

153 114.3 89.9 134.9

152 50.4 40.6 60.8

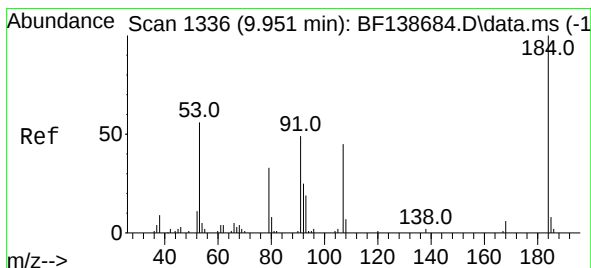
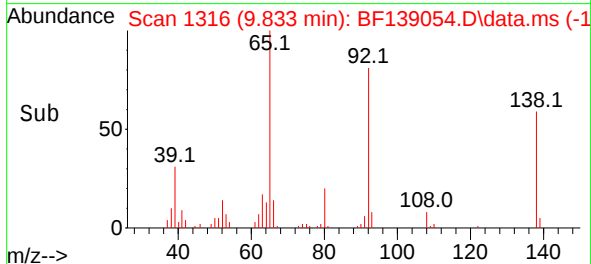
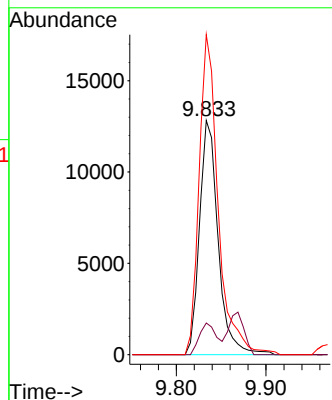
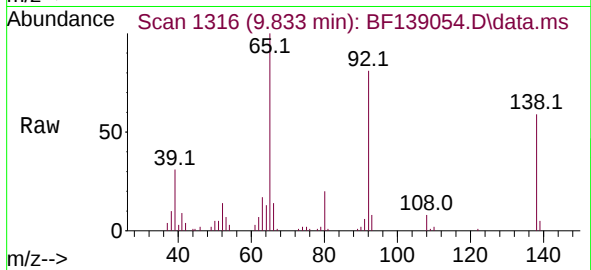




#53
3-Nitroaniline
Concen: 10.647 ng
RT: 9.833 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

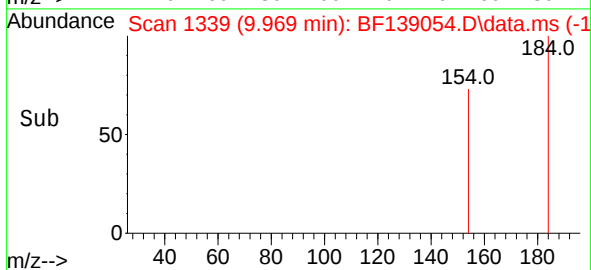
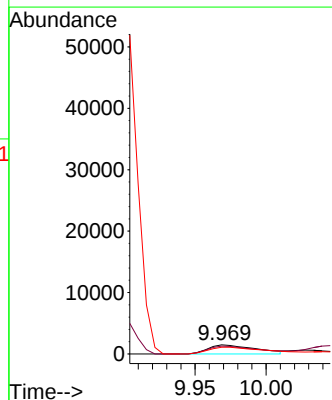
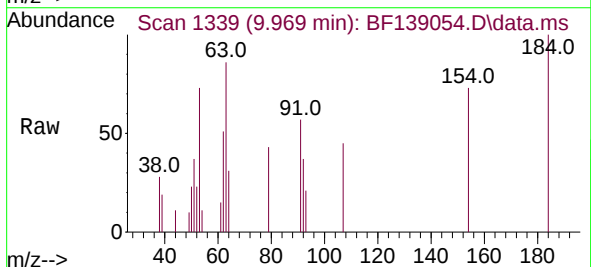
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

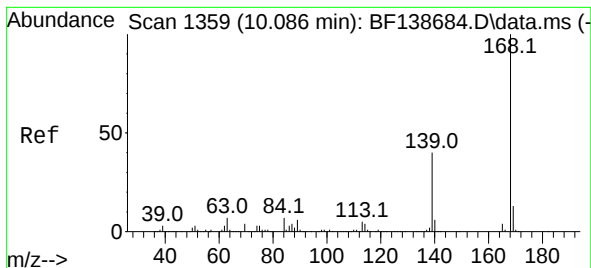
Tgt Ion:138	Resp:	18475
Ion Ratio	Lower	Upper
138	100	
108	13.5	9.1 13.7
92	136.7	98.7 148.1



#54
2,4-Dinitrophenol
Concen: 4.453 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.018 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

Tgt Ion:184	Resp:	3441
Ion Ratio	Lower	Upper
184	100	
63	86.2	57.5 86.3
154	72.8	51.7 77.5





#55

Dibenzenofuran

Concen: 11.844 ng

RT: 10.075 min Scan# 1357

Delta R.T. -0.012 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

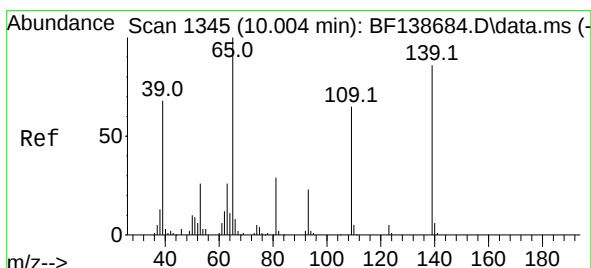
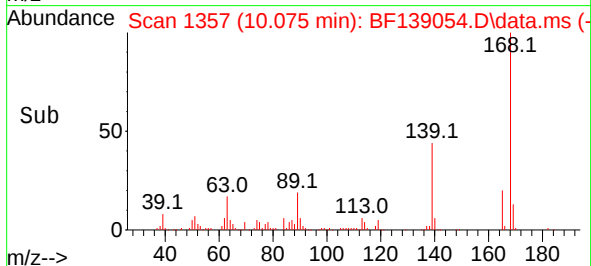
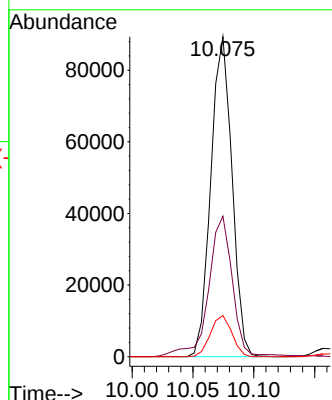
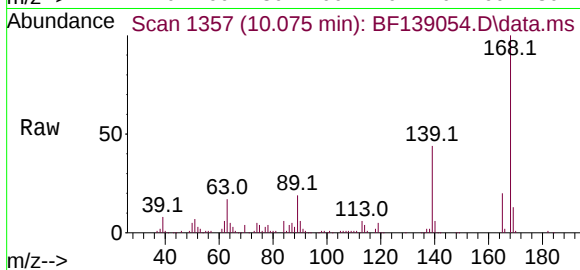
Tgt Ion:168 Resp: 107995

Ion Ratio Lower Upper

168 100

139 43.9 32.6 49.0

169 12.9 10.7 16.1



#56

4-Nitrophenol

Concen: 51.688 ng

RT: 10.075 min Scan# 1357

Delta R.T. 0.071 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

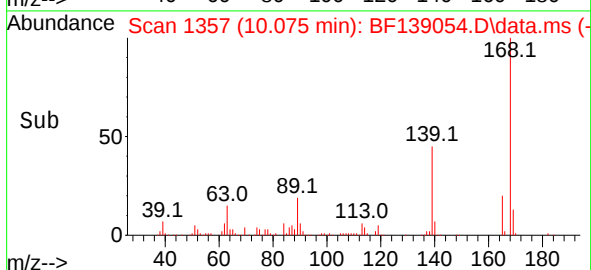
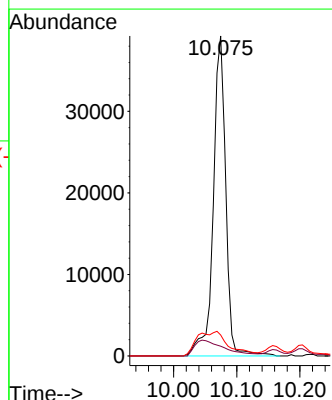
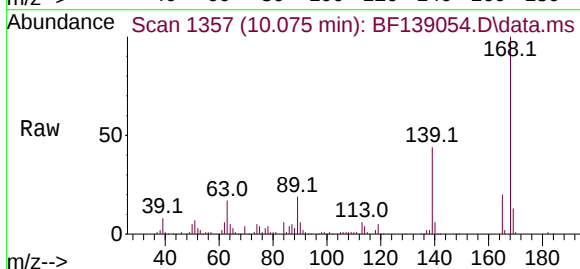
Tgt Ion:139 Resp: 53934

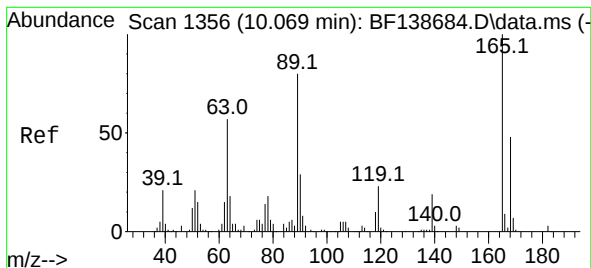
Ion Ratio Lower Upper

139 100

109 3.0 55.5 95.5#

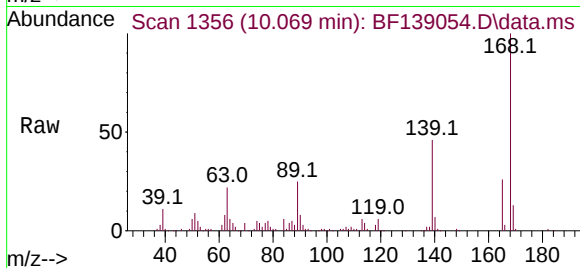
65 6.6 96.7 136.7#



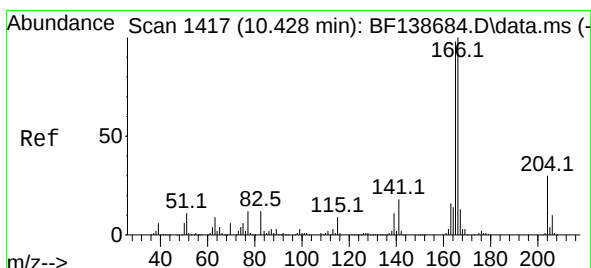
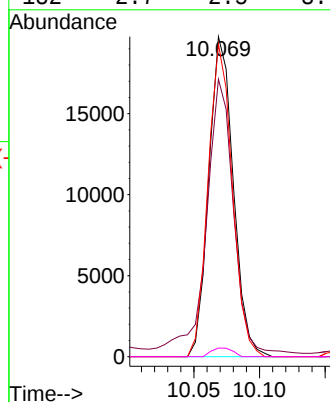
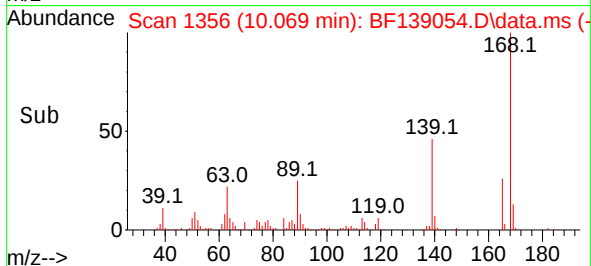


#57
2,4-Dinitrotoluene
Concen: 11.969 ng
RT: 10.069 min Scan# 1415
Delta R.T. -0.000 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

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

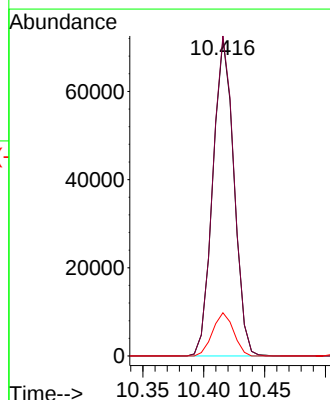
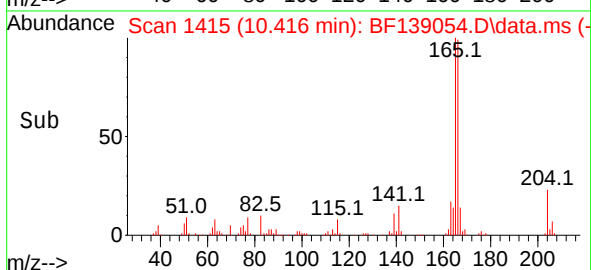
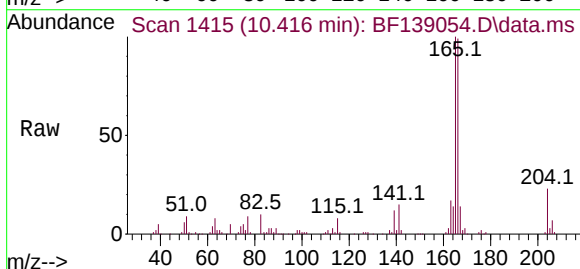


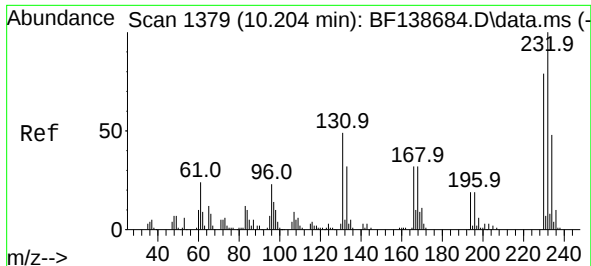
Tgt Ion:165 Resp: 25632
Ion Ratio Lower Upper
165 100
63 86.7 46.3 69.5#
89 97.7 64.2 96.4#
182 2.7 2.5 3.7



#58
Fluorene
Concen: 11.960 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

Tgt Ion:166 Resp: 86843
Ion Ratio Lower Upper
166 100
165 100.9 78.4 117.6
167 13.6 10.6 16.0





#59

2,3,4,6-Tetrachlorophenol

Concen: 10.543 ng

RT: 10.204 min Scan# 1379

Delta R.T. -0.000 min

Lab File: BF139054.D

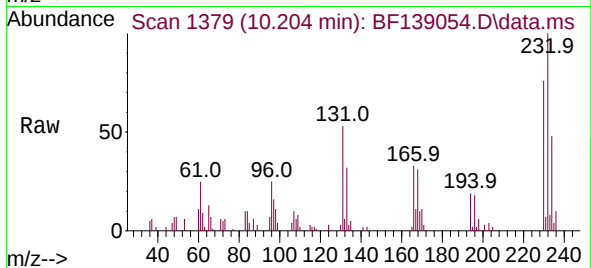
Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:232 Resp: 17359

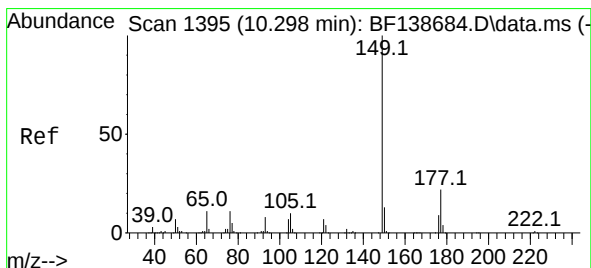
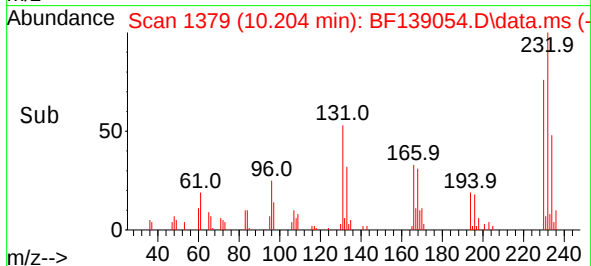
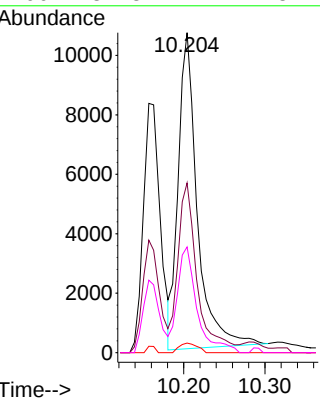
Ion Ratio Lower Upper

232 100

131 52.0 37.0 55.4

130 2.9 2.0 3.0

166 34.3 24.7 37.1



#60

Diethylphthalate

Concen: 12.917 ng

RT: 10.286 min Scan# 1393

Delta R.T. -0.012 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

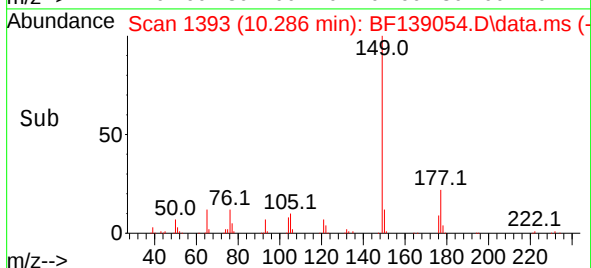
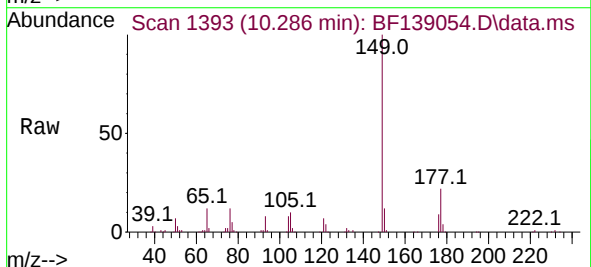
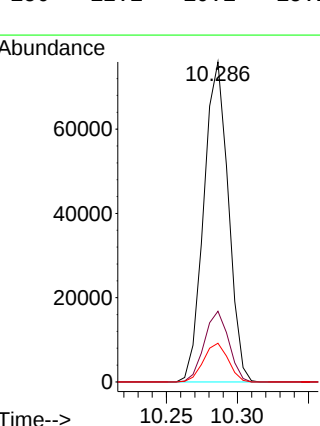
Tgt Ion:149 Resp: 91090

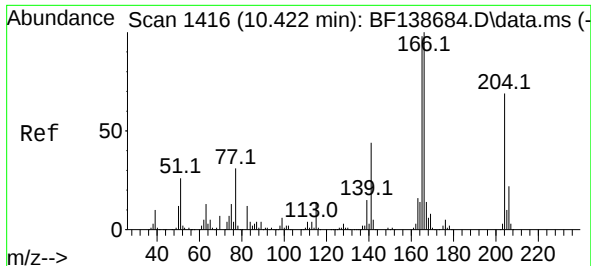
Ion Ratio Lower Upper

149 100

177 22.1 17.8 26.8

150 12.1 10.1 15.1

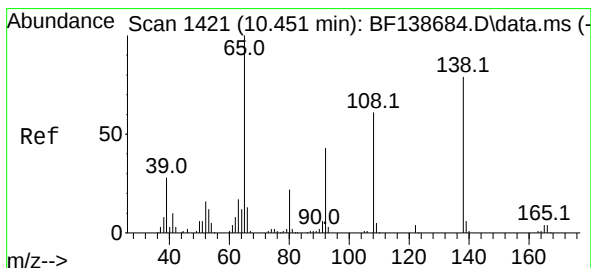
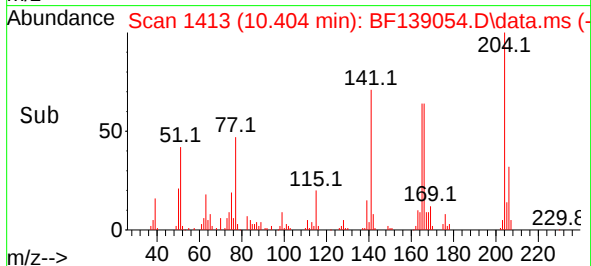
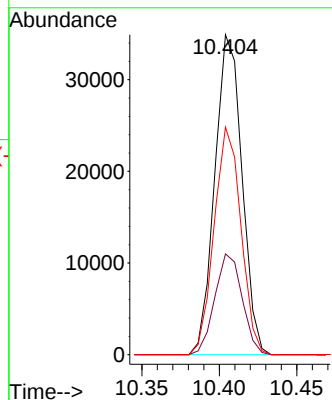
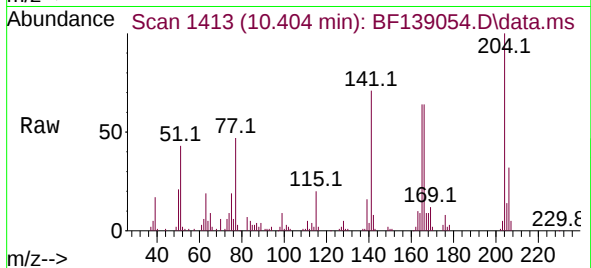




#61
4-Chlorophenyl-phenylether
Concen: 11.913 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.018 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

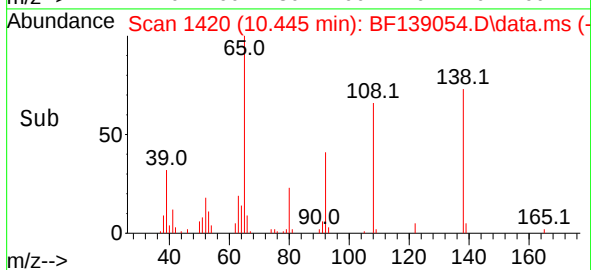
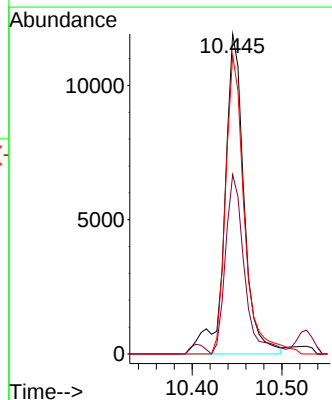
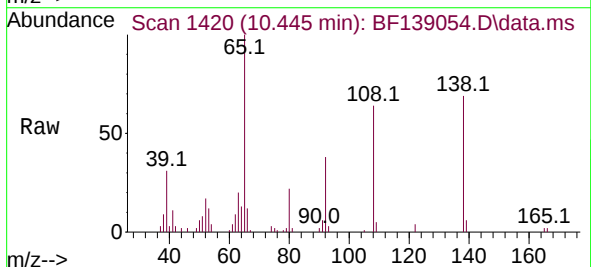
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

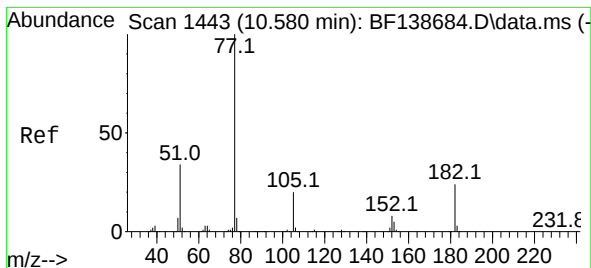
Tgt Ion:204 Resp: 42544
Ion Ratio Lower Upper
204 100
206 31.5 26.1 39.1
141 71.1 51.4 77.0



#62
4-Nitroaniline
Concen: 10.779 ng
RT: 10.445 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

Tgt Ion:138 Resp: 17775
Ion Ratio Lower Upper
138 100
92 56.0 34.2 74.2
108 93.3 56.2 96.2





#63

Azobenzene

Concen: 12.136 ng

RT: 10.569 min Scan# 1441

Delta R.T. -0.012 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

Tgt Ion: 77 Resp: 94917

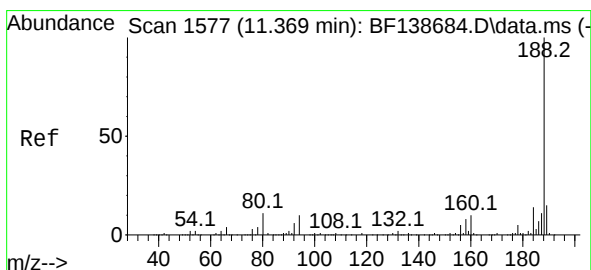
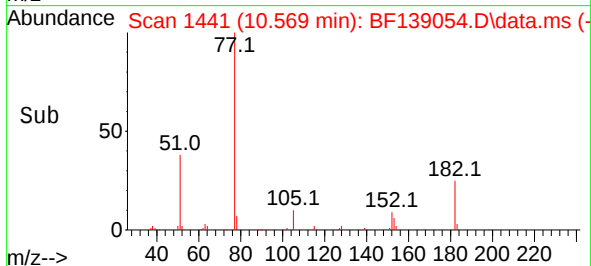
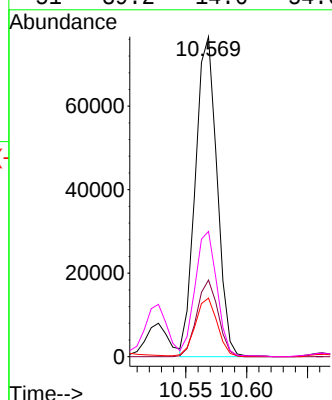
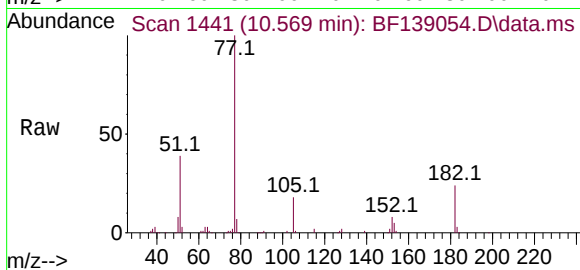
Ion Ratio Lower Upper

77 100

182 24.0 3.4 43.4

105 18.3 0.2 40.2

51 39.2 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 12:43

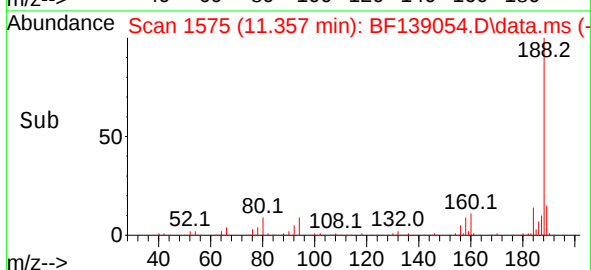
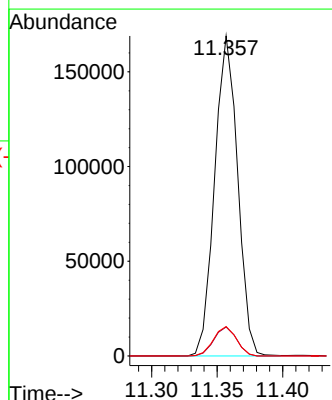
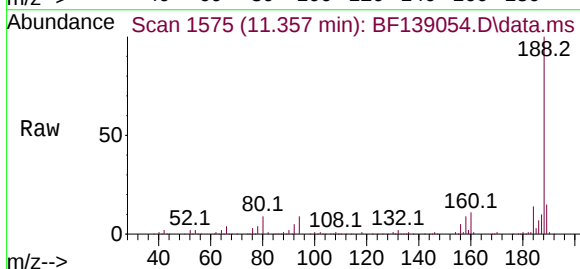
Tgt Ion:188 Resp: 205376

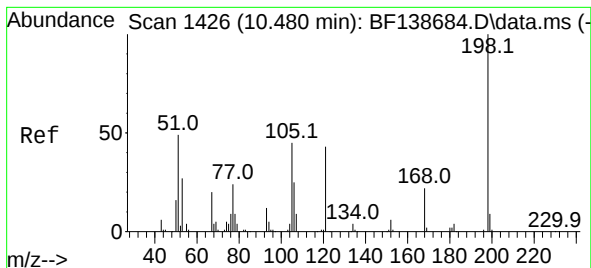
Ion Ratio Lower Upper

188 100

94 9.0 7.6 11.4

80 9.2 8.6 12.8

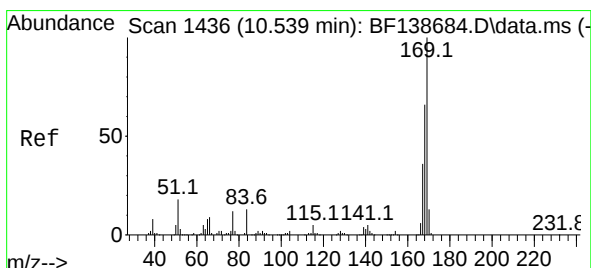
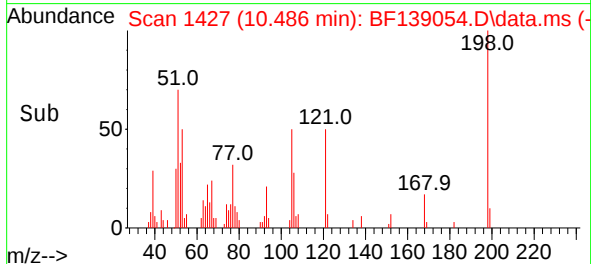
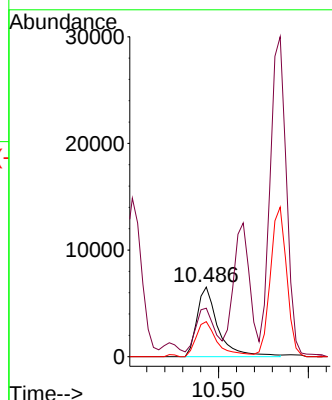
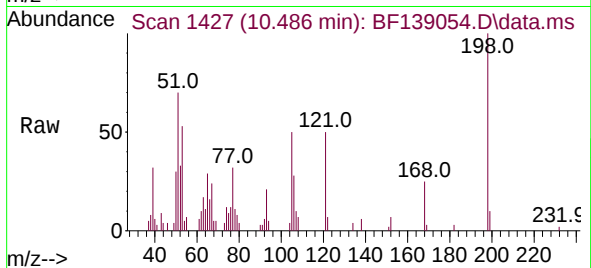




#65
4,6-Dinitro-2-methylphenol
Concen: 8.514 ng
RT: 10.486 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

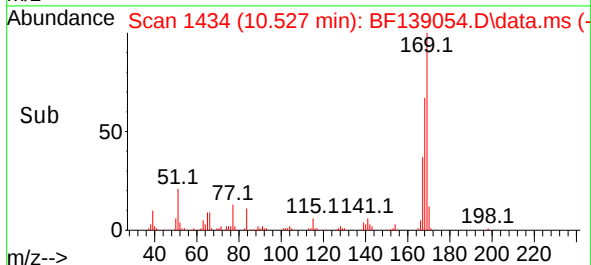
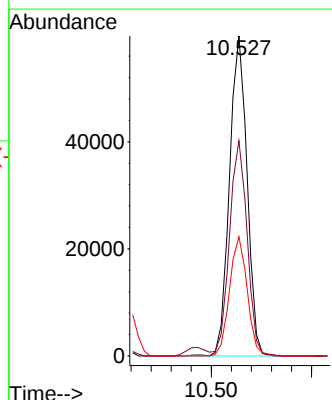
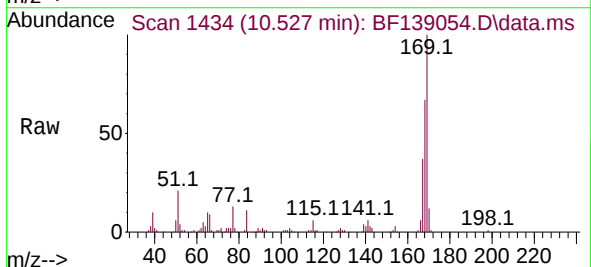
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

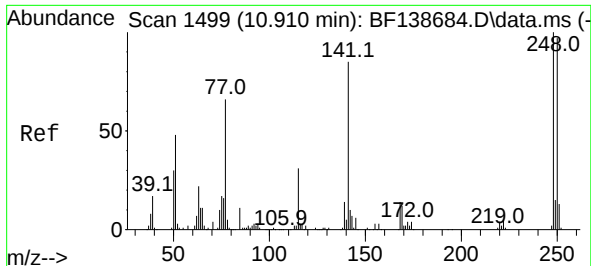
Tgt Ion:198 Resp: 10668
Ion Ratio Lower Upper
198 100
51 69.6 39.9 79.9
105 50.4 26.1 66.1



#66
n-Nitrosodiphenylamine
Concen: 11.276 ng
RT: 10.527 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

Tgt Ion:169 Resp: 72386
Ion Ratio Lower Upper
169 100
168 67.3 53.0 79.6
167 37.3 29.0 43.6

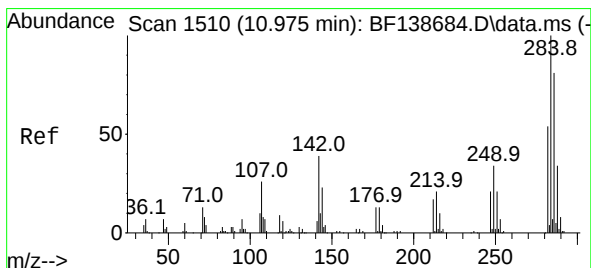
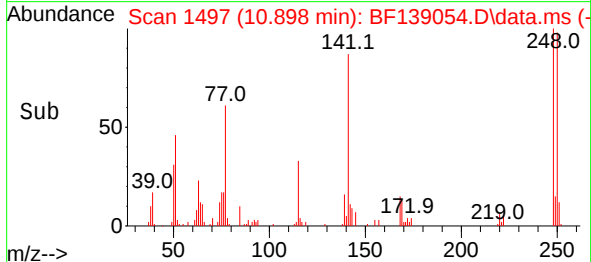
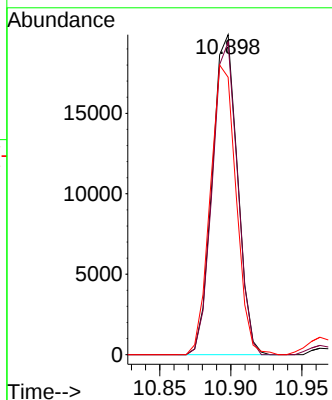
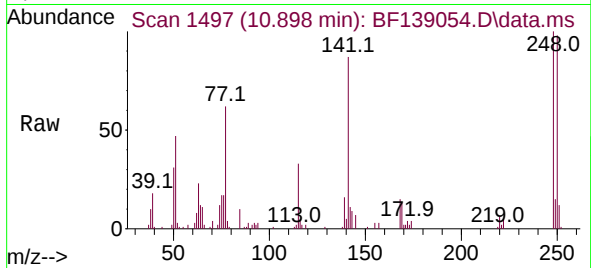




#67
4-Bromophenyl-phenylether
Concen: 11.051 ng
RT: 10.898 min Scan# 1499
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

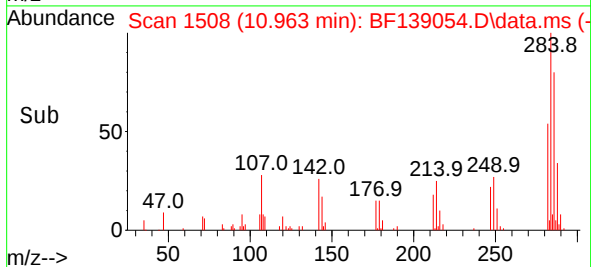
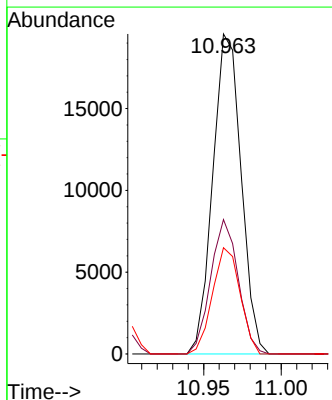
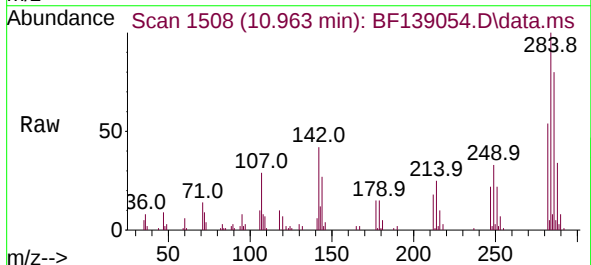
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

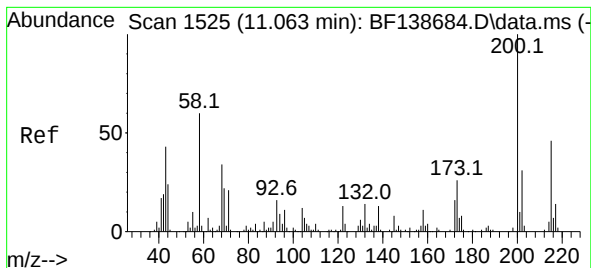
Tgt Ion:248 Resp: 24572
Ion Ratio Lower Upper
248 100
250 97.6 77.7 116.5
141 86.7 68.0 102.0



#68
Hexachlorobenzene
Concen: 10.825 ng
RT: 10.963 min Scan# 1508
Delta R.T. -0.012 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

Tgt Ion:284 Resp: 24852
Ion Ratio Lower Upper
284 100
142 42.0 31.3 46.9
249 33.2 27.2 40.8





#69

Atrazine

Concen: 14.798 ng

RT: 11.051 min Scan# 1523

Delta R.T. -0.012 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

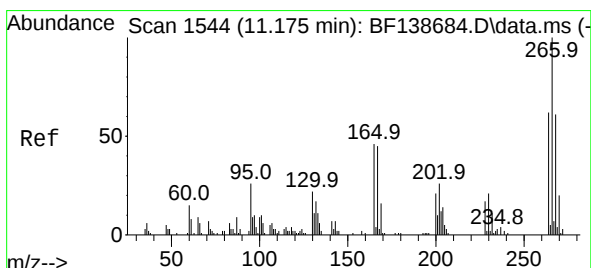
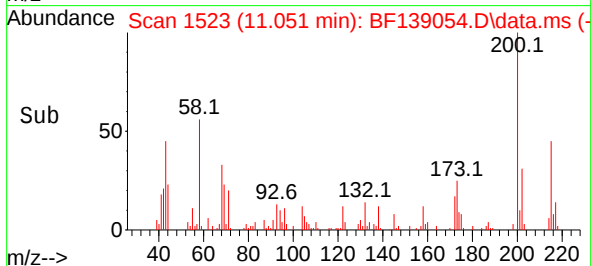
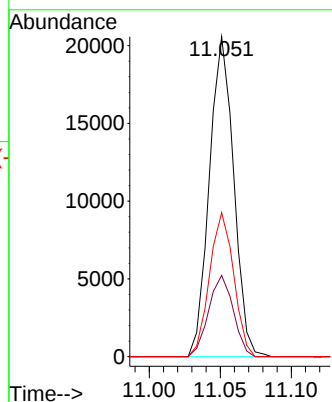
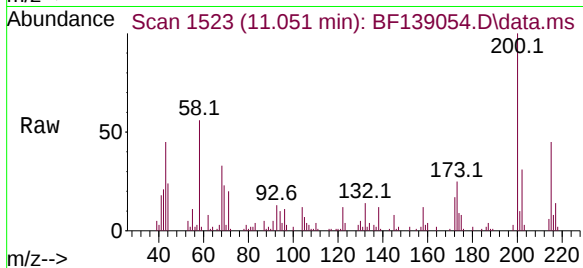
Tgt Ion:200 Resp: 24509

Ion Ratio Lower Upper

200 100

173 25.4 6.0 46.0

215 45.0 26.1 66.1



#70

Pentachlorophenol

Concen: 2.499 ng

RT: 11.180 min Scan# 1545

Delta R.T. 0.005 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

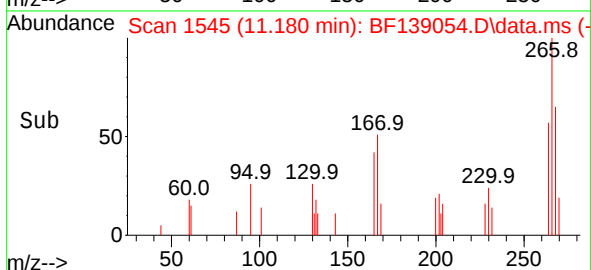
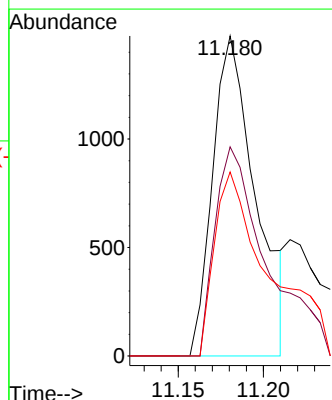
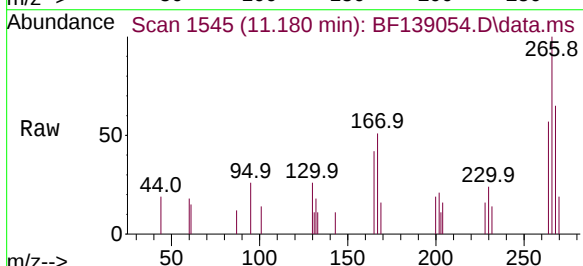
Tgt Ion:266 Resp: 2586

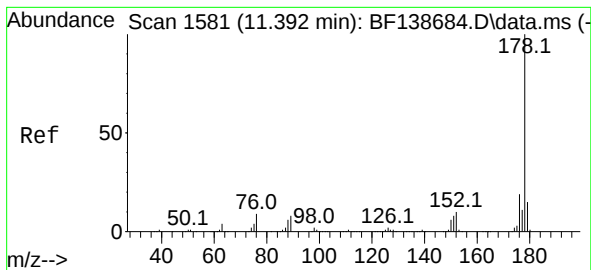
Ion Ratio Lower Upper

266 100

268 65.4 49.2 73.8

264 57.5 49.8 74.6





#71

Phenanthrene

Concen: 11.576 ng

RT: 11.380 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

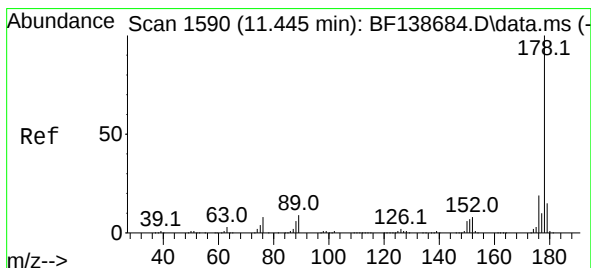
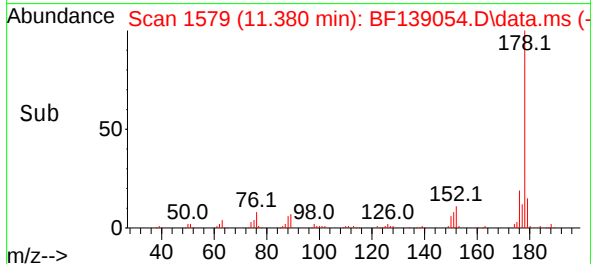
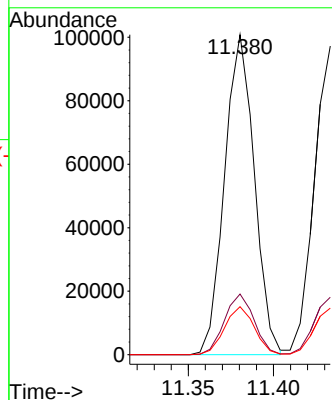
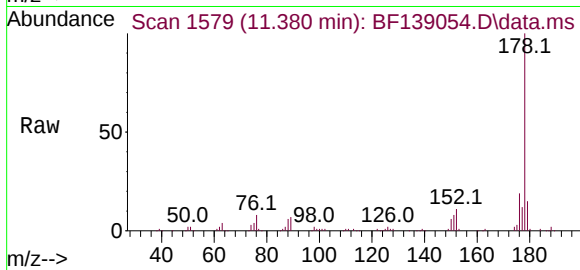
Tgt Ion:178 Resp: 122417

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

179 15.0 12.2 18.2



#72

Anthracene

Concen: 11.723 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.012 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

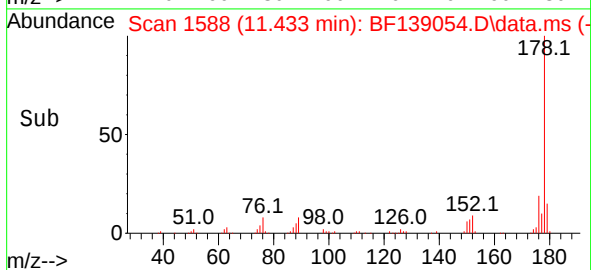
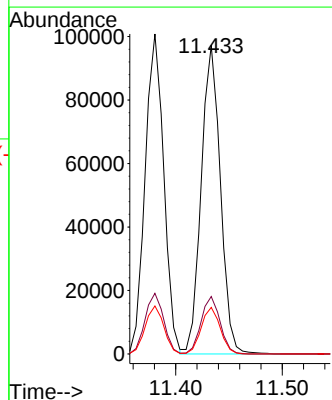
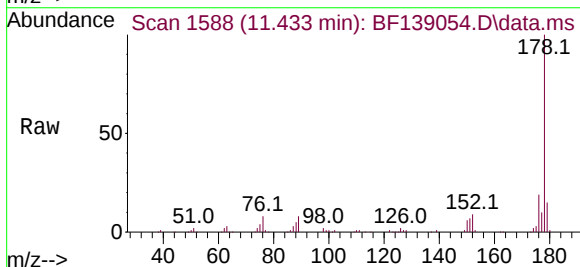
Tgt Ion:178 Resp: 122128

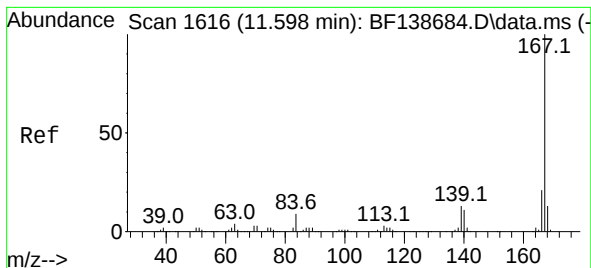
Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

179 15.1 12.4 18.6





#73

Carbazole

Concen: 11.435 ng

RT: 11.592 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139054.D

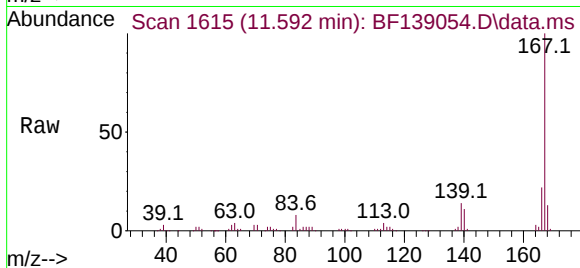
Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



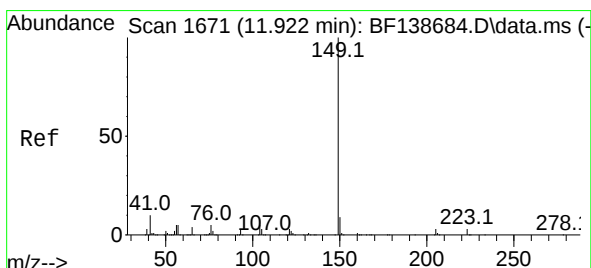
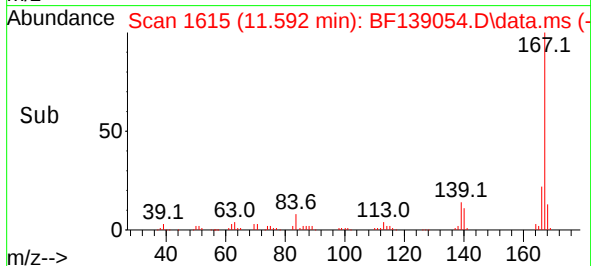
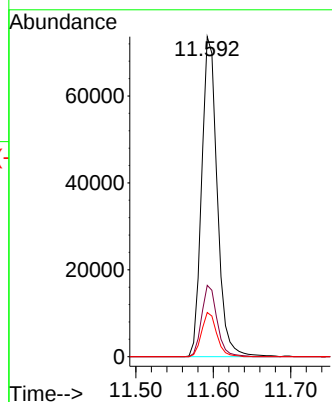
Tgt Ion:167 Resp: 102777

Ion Ratio Lower Upper

167 100

166 22.3 17.2 25.8

139 13.8 10.6 16.0



#74

Di-n-butylphthalate

Concen: 13.296 ng

RT: 11.910 min Scan# 1669

Delta R.T. -0.012 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

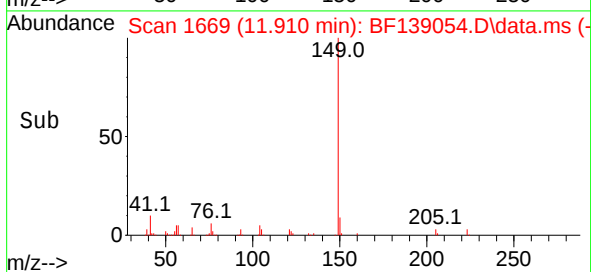
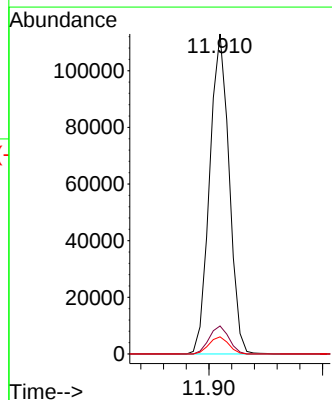
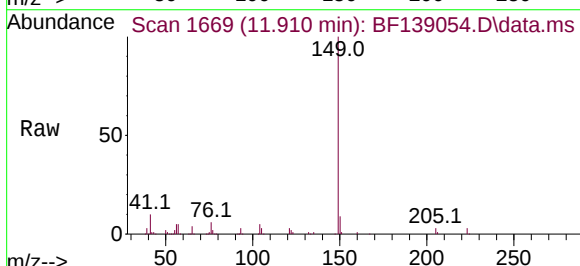
Tgt Ion:149 Resp: 134345

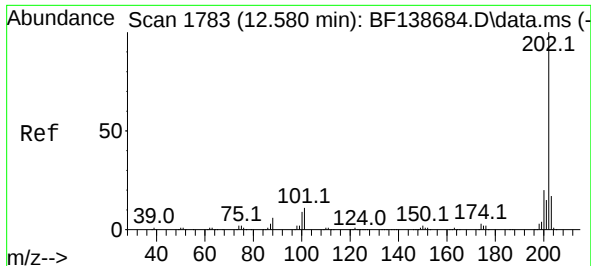
Ion Ratio Lower Upper

149 100

150 8.7 7.4 11.0

104 5.4 4.1 6.1





#75

Fluoranthene

Concen: 11.920 ng

RT: 12.569 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

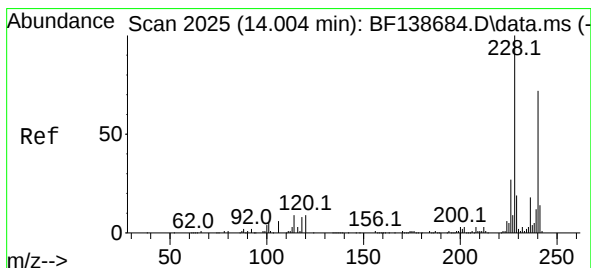
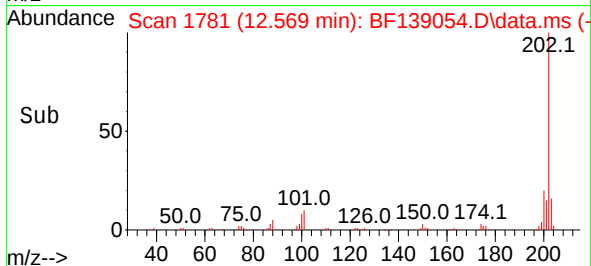
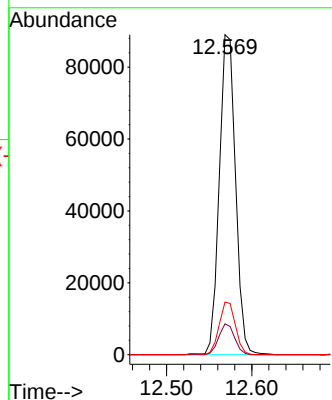
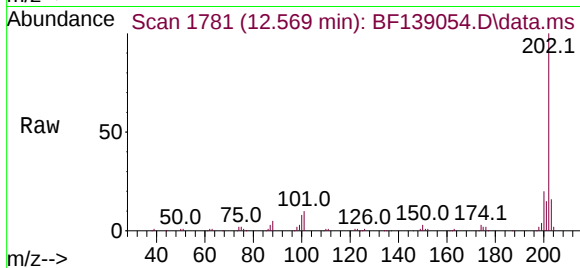
Tgt Ion:202 Resp: 117678

Ion Ratio Lower Upper

202 100

101 9.6 0.0 31.2

203 16.4 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: BF139054.D

Acq: 16 Aug 2024 12:43

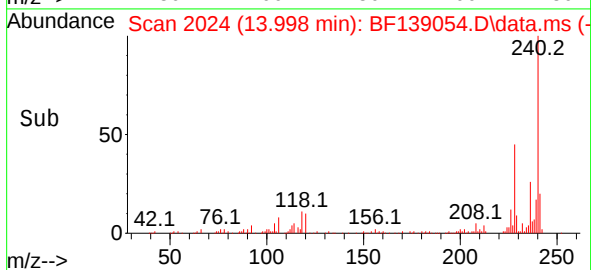
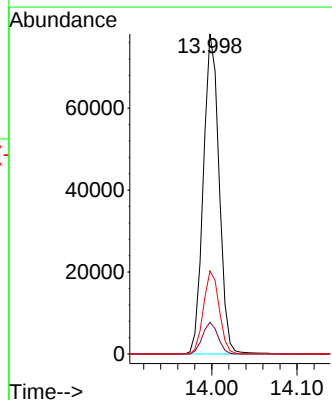
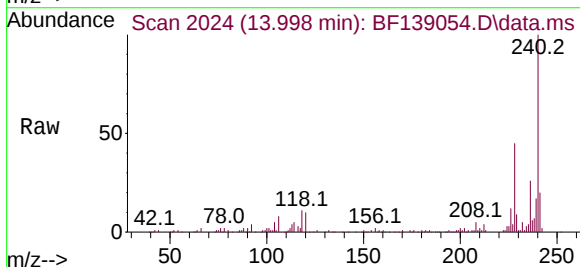
Tgt Ion:240 Resp: 100256

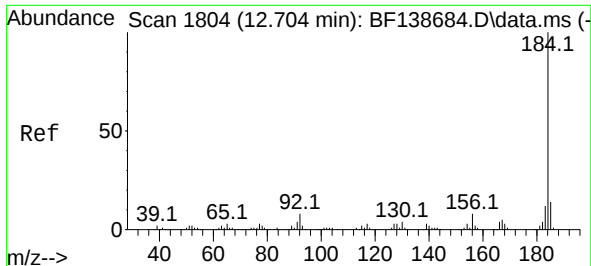
Ion Ratio Lower Upper

240 100

120 9.9 10.2 15.4#

236 25.9 19.8 29.8

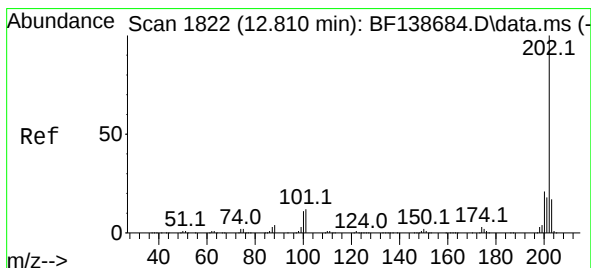
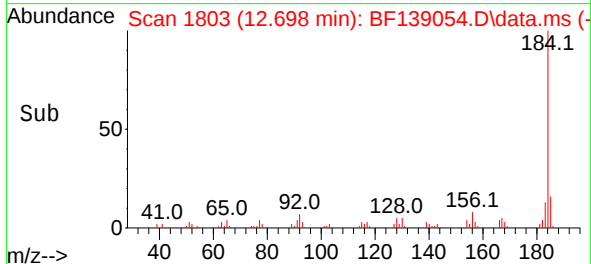
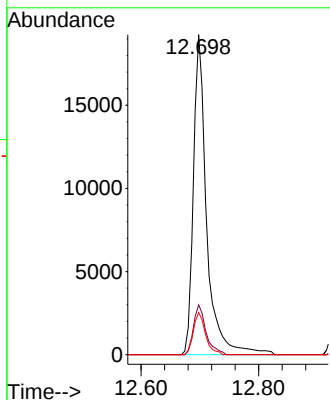
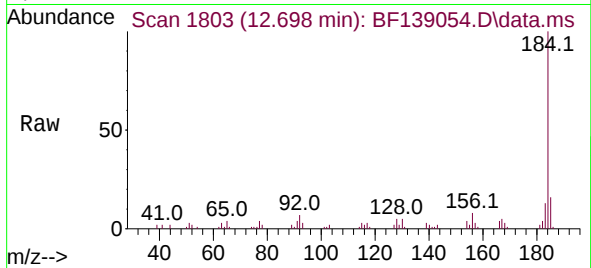




#77
Benzidine
Concen: 12.594 ng
RT: 12.698 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

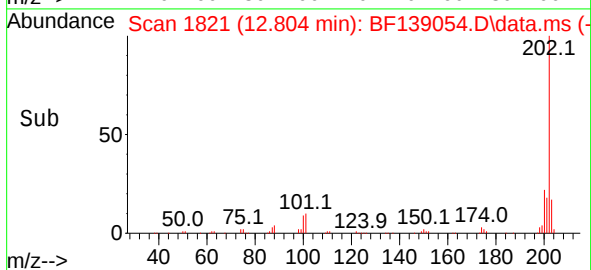
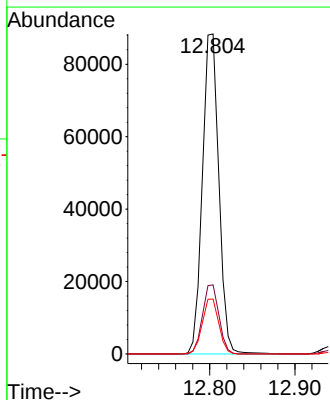
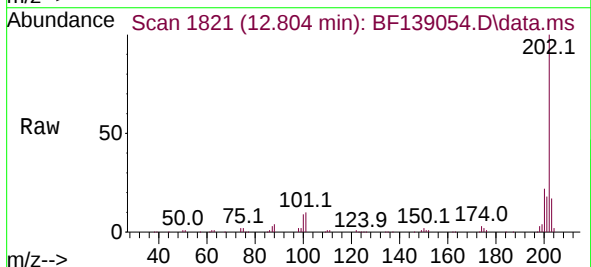
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

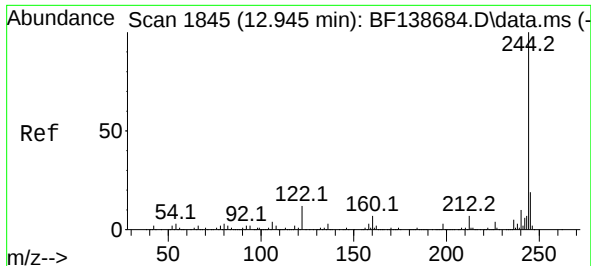
Tgt Ion:184 Resp: 30199
Ion Ratio Lower Upper
184 100
185 15.6 11.1 16.7
183 13.2 9.6 14.4



#78
Pyrene
Concen: 12.552 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF139054.D
Acq: 16 Aug 2024 12:43

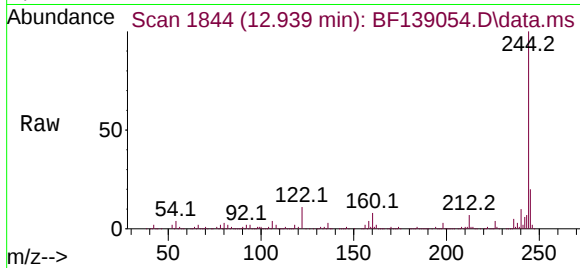
Tgt Ion:202 Resp: 118479
Ion Ratio Lower Upper
202 100
200 21.6 16.8 25.2
203 17.1 13.8 20.6



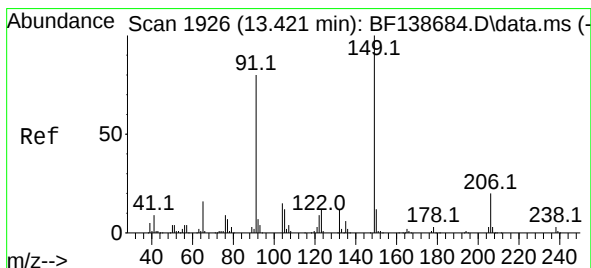
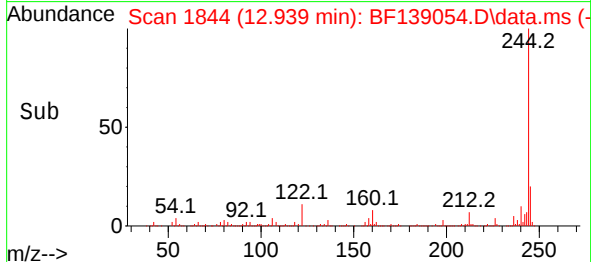
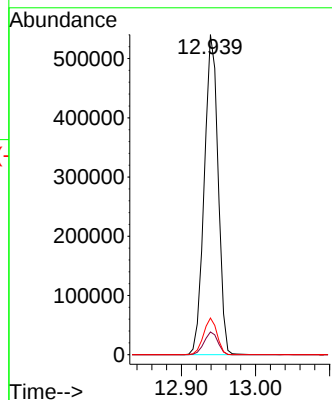


#79
 Terphenyl-d14
 Concen: 116.766 ng
 RT: 12.939 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF139054.D
 Acq: 16 Aug 2024 12:43

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

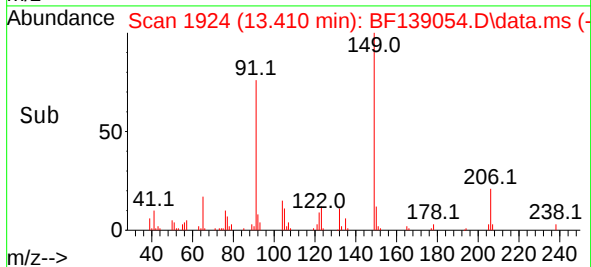
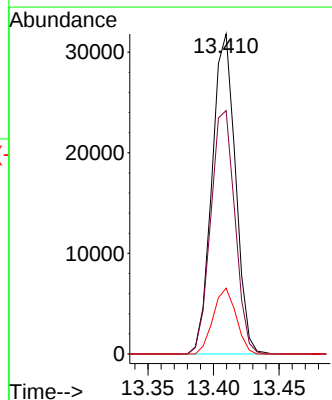
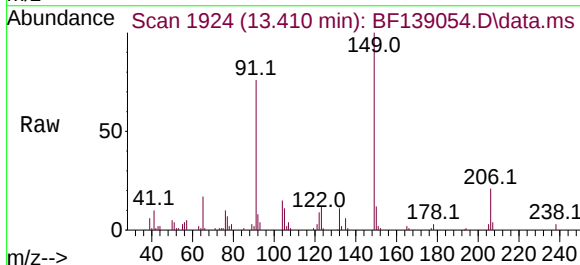


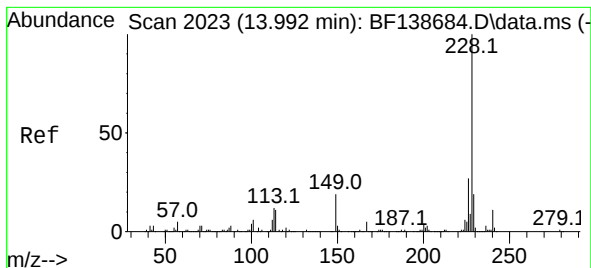
Tgt Ion:244 Resp: 699202
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.2
 122 11.5 9.6 14.4



#80
 Butylbenzylphthalate
 Concen: 13.106 ng
 RT: 13.410 min Scan# 1924
 Delta R.T. -0.012 min
 Lab File: BF139054.D
 Acq: 16 Aug 2024 12:43

Tgt Ion:149 Resp: 39617
 Ion Ratio Lower Upper
 149 100
 91 76.1 63.7 95.5
 206 20.5 16.2 24.2





#81

Benzo(a)anthracene

Concen: 11.788 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

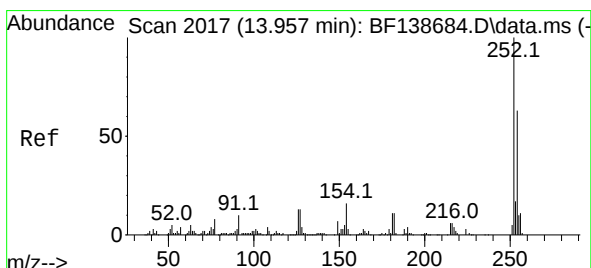
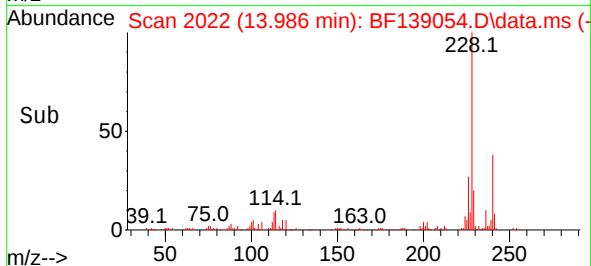
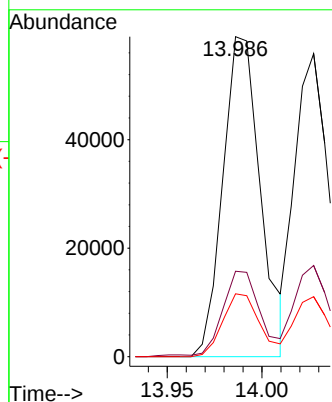
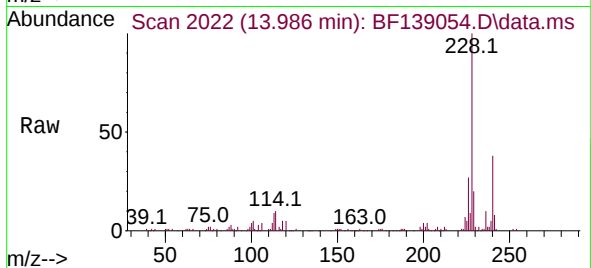
Tgt Ion:228 Resp: 81381

Ion Ratio Lower Upper

228 100

226 26.7 22.1 33.1

229 19.7 15.4 23.0



#82

3,3'-Dichlorobenzidine

Concen: 13.378 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

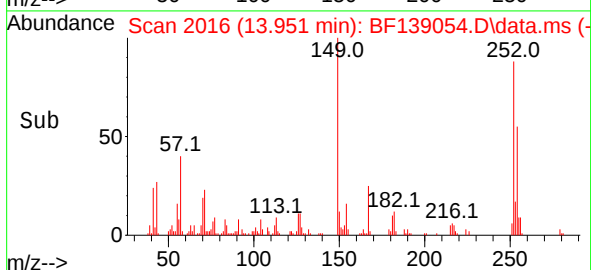
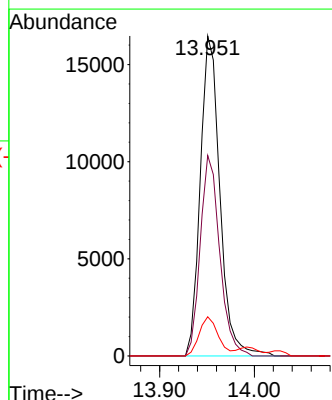
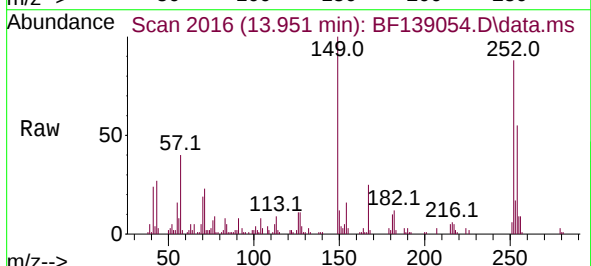
Tgt Ion:252 Resp: 23636

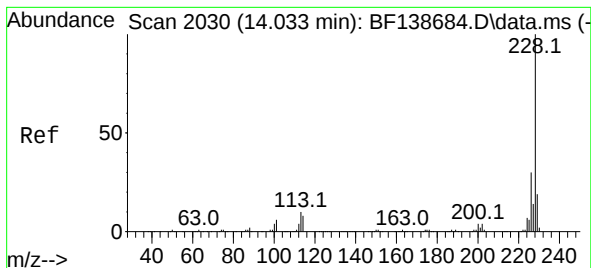
Ion Ratio Lower Upper

252 100

254 62.6 50.8 76.2

126 12.3 10.2 15.2





#83

Chrysene

Concen: 11.259 ng

RT: 14.027 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

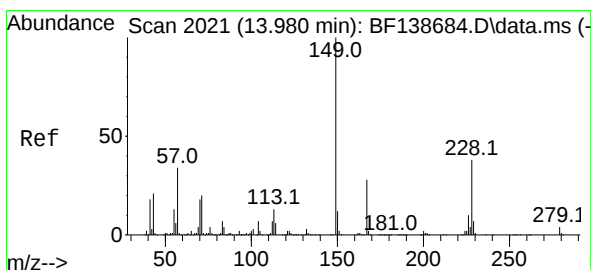
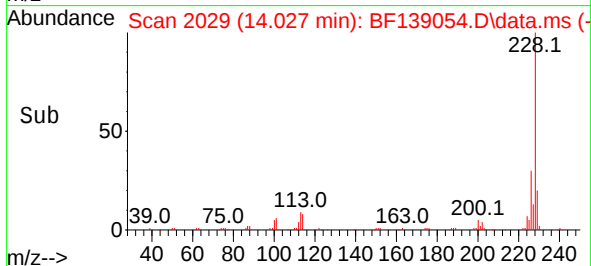
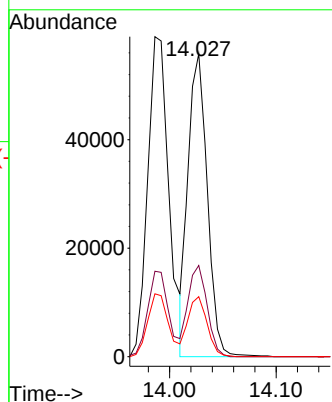
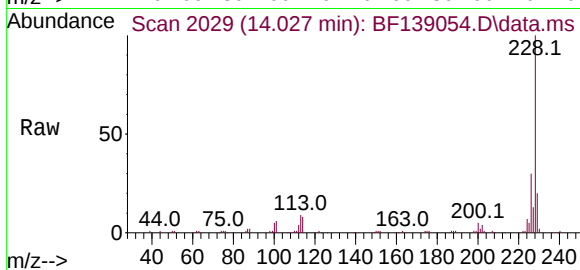
Tgt Ion:228 Resp: 70126

Ion Ratio Lower Upper

228 100

226 30.1 23.7 35.5

229 19.8 15.0 22.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.391 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.018 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

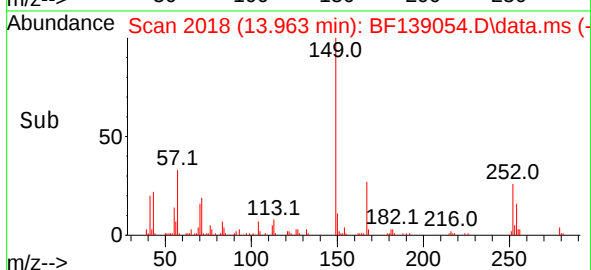
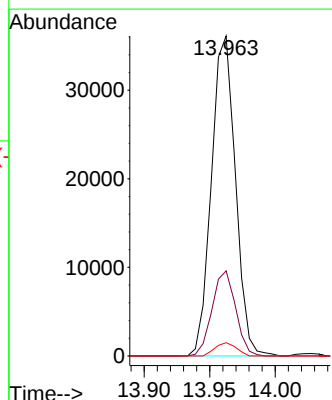
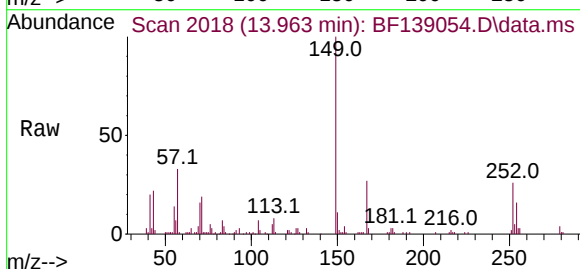
Tgt Ion:149 Resp: 45993

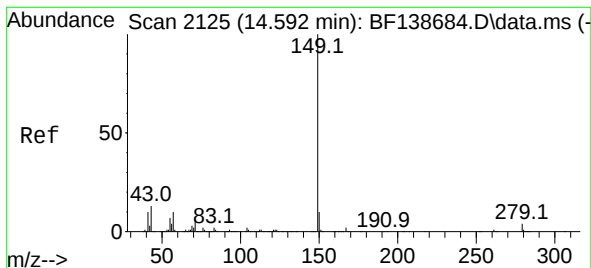
Ion Ratio Lower Upper

149 100

167 26.6 22.2 33.4

279 4.1 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 8.067 ng

RT: 14.574 min Scan# 2125

Delta R.T. -0.018 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

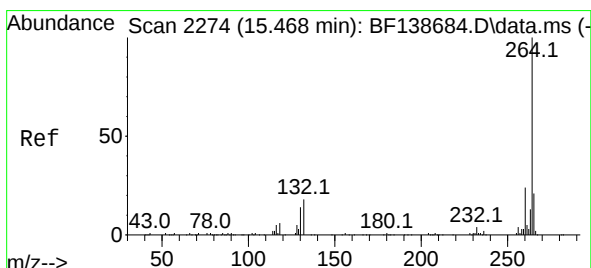
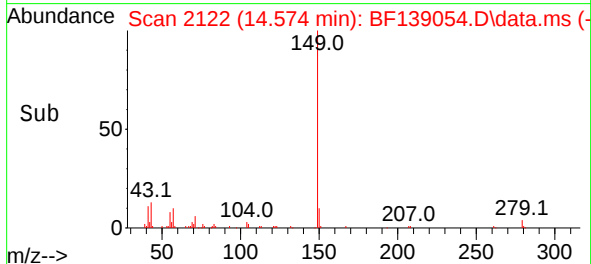
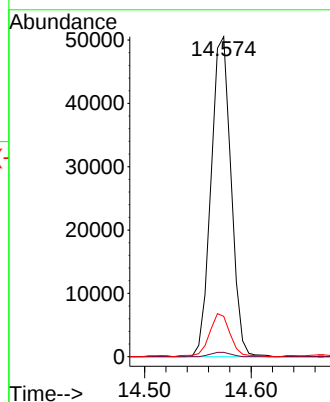
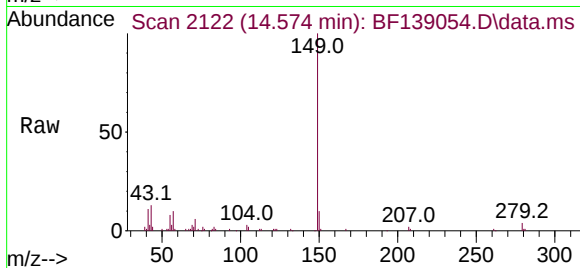
Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:149	Resp:	66061
Ion Ratio	Lower	Upper
149	100	
167	1.4	1.4 2.0
43	14.1	10.4 15.6



#86

Perylene-d12

Concen: 20.000 ng

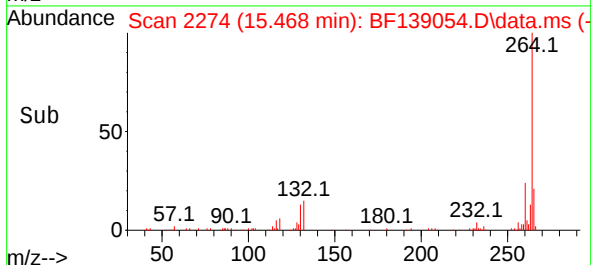
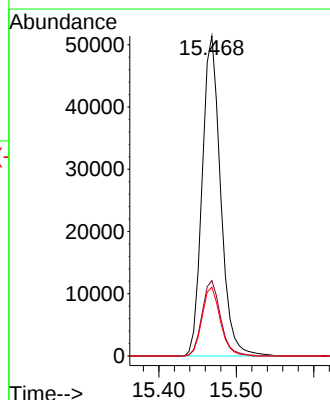
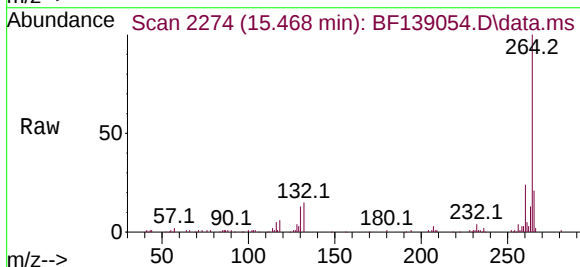
RT: 15.468 min Scan# 2274

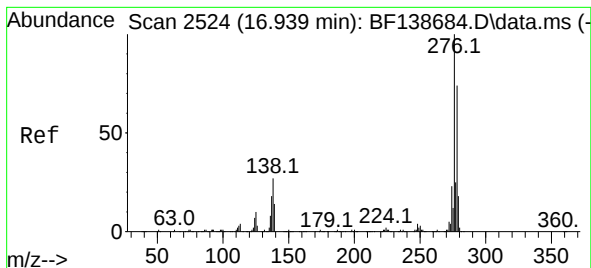
Delta R.T. -0.000 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Tgt Ion:264	Resp:	84837
Ion Ratio	Lower	Upper
264	100	
260	23.5	19.0 28.6
265	21.5	17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.367 ng

RT: 16.945 min Scan# 2524

Delta R.T. 0.006 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

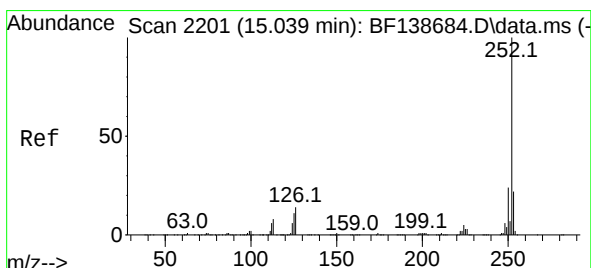
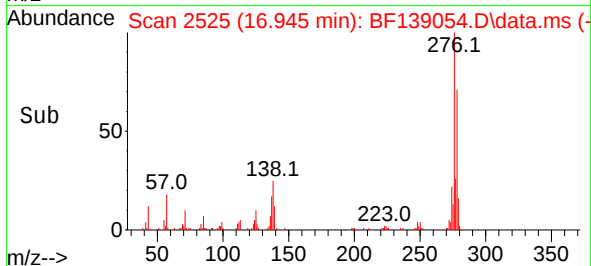
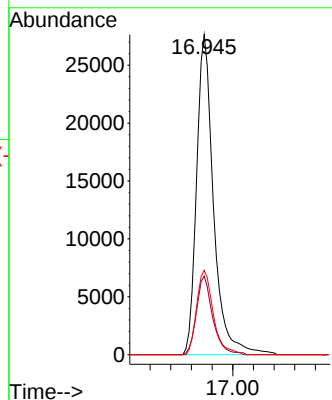
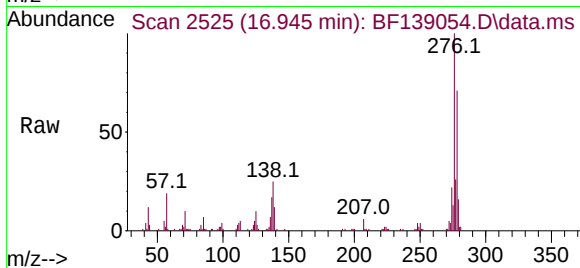
Tgt Ion:276 Resp: 63027

Ion Ratio Lower Upper

276 100

138 23.5 21.8 32.8

277 25.8 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 10.961 ng

RT: 15.039 min Scan# 2201

Delta R.T. -0.000 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

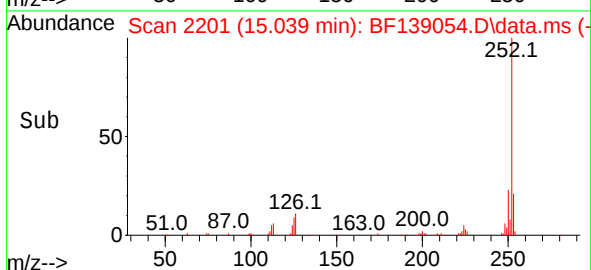
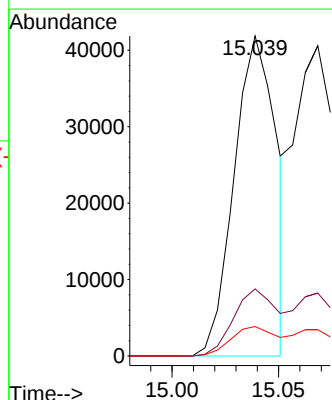
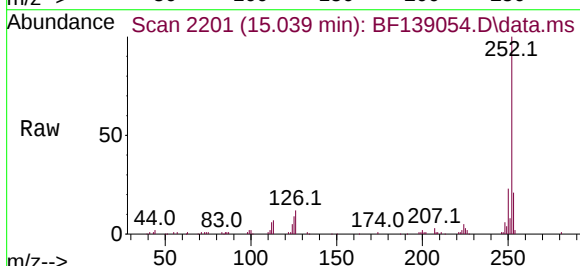
Tgt Ion:252 Resp: 57645

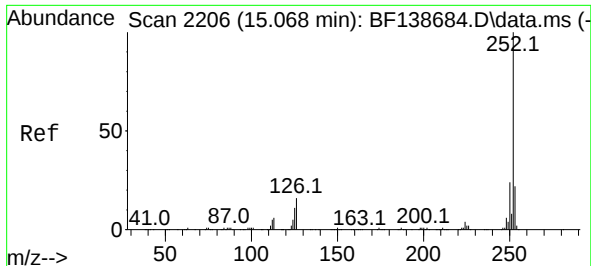
Ion Ratio Lower Upper

252 100

253 21.0 17.5 26.3

125 9.2 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 12.660 ng

RT: 15.039 min Scan# 2206

Delta R.T. -0.029 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

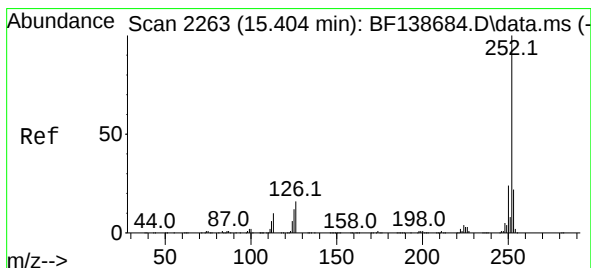
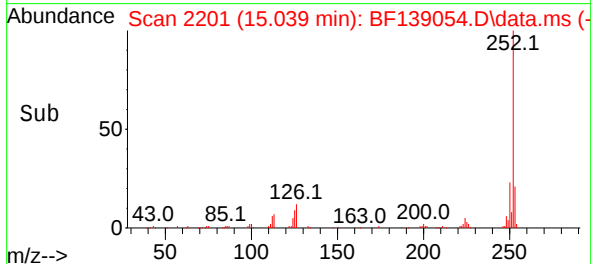
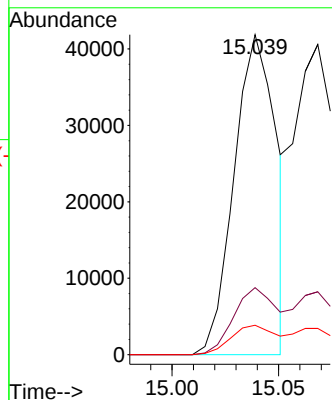
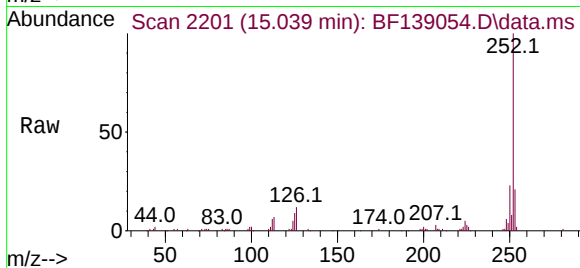
Tgt Ion:252 Resp: 57645

Ion Ratio Lower Upper

252 100

253 21.0 17.4 26.0

125 9.2 8.6 13.0



#90

Benzo(a)pyrene

Concen: 12.010 ng

RT: 15.404 min Scan# 2263

Delta R.T. -0.000 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

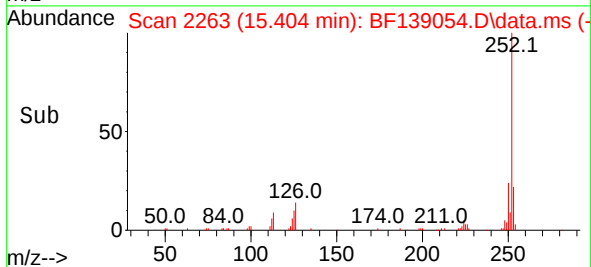
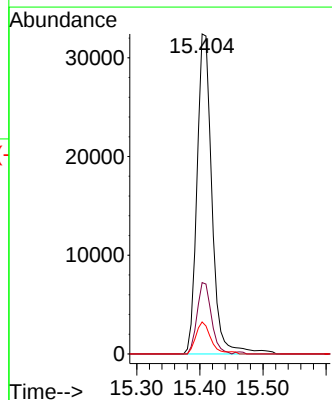
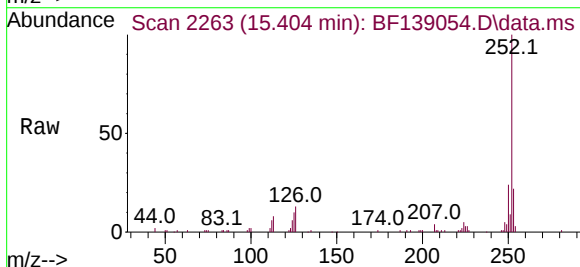
Tgt Ion:252 Resp: 53129

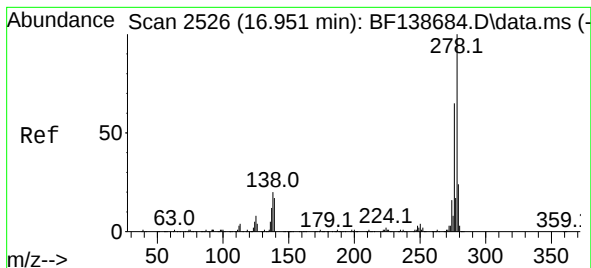
Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 10.0 9.5 14.3





#91

Dibenzo(a,h)anthracene

Concen: 10.023 ng

RT: 16.951 min Scan# 2526

Delta R.T. -0.000 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

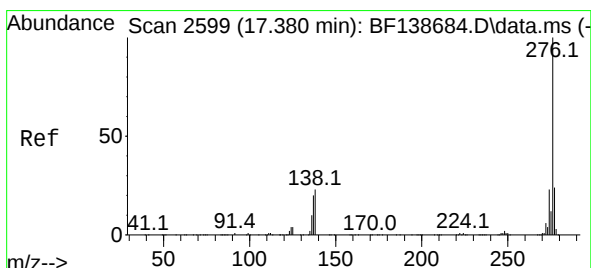
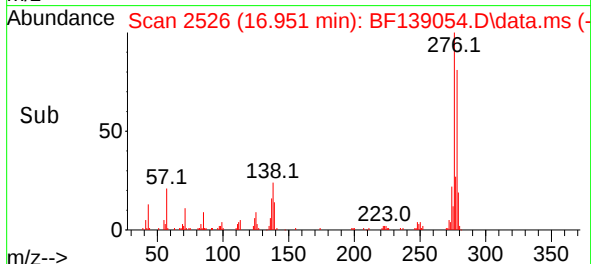
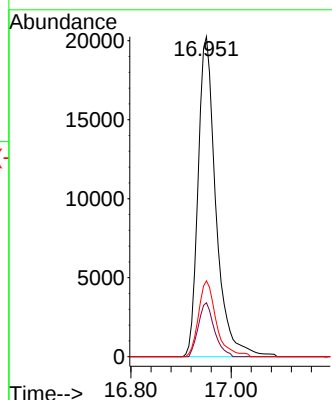
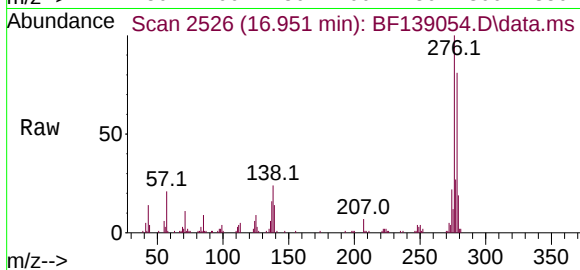
Tgt Ion:278 Resp: 50020

Ion Ratio Lower Upper

278 100

139 16.8 14.0 21.0

279 23.7 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 9.575 ng

RT: 17.392 min Scan# 2601

Delta R.T. 0.012 min

Lab File: BF139054.D

Acq: 16 Aug 2024 12:43

Tgt Ion:276 Resp: 49587

Ion Ratio Lower Upper

276 100

277 21.3 19.0 28.4

138 19.3 18.5 27.7

