

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081924\
 Data File : BF139069.D
 Acq On : 19 Aug 2024 11:46
 Operator : RC/JU
 Sample : P3390-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2024

Quant Time: Aug 19 12:44:26 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	46478	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	197295	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	114373	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	219070	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	112625	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	95189	20.000	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	382235	126.950	ng	0.00
7) Phenol-d6	6.487	99	526318	130.197	ng	0.00
23) Nitrobenzene-d5	7.404	82	357408	88.569	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	124819	133.230	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	682253	89.626	ng	-0.01
79) Terphenyl-d14	12.939	244	623643	92.710	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.581	88	9700	7.359	ng	# 91
3) Pyridine	3.422	79	19759	6.188	ng	# 95
4) n-Nitrosodimethylamine	3.310	42	15584	8.194	ng	# 80
6) Aniline	6.504	93	35366	9.810	ng	# 65
8) 2-Chlorophenol	6.628	128	26997	8.522	ng	96
9) Benzaldehyde	6.398	77	22515	9.291	ng	97
10) Phenol	6.498	94	34558	8.119	ng	# 52
11) bis(2-Chloroethyl)ether	6.575	93	25558	7.803	ng	97
12) 1,3-Dichlorobenzene	6.775	146	28120	7.930	ng	97
13) 1,4-Dichlorobenzene	6.851	146	29535	8.253	ng	99
14) 1,2-Dichlorobenzene	7.004	146	28058	8.390	ng	98
15) Benzyl Alcohol	6.992	79	22628	7.766	ng	# 81
16) 2,2'-oxybis(1-Chloropr...	7.104	45	48107	8.535	ng	51
17) 2-Methylphenol	7.104	107	20851	7.971	ng	# 79
18) Hexachloroethane	7.339	117	11604	8.614	ng	97
19) n-Nitroso-di-n-propyla...	7.245	70	20865	8.546	ng	91
20) 3+4-Methylphenols	7.269	107	26860	8.003	ng	# 53
22) Acetophenone	7.251	105	41478	8.586	ng	94
24) Nitrobenzene	7.422	77	34764	8.466	ng	97
25) Isophorone	7.657	82	57464	8.339	ng	# 97
26) 2-Nitrophenol	7.745	139	14508	8.212	ng	96
27) 2,4-Dimethylphenol	7.781	122	14982	7.088	ng	96
28) bis(2-Chloroethoxy)met...	7.869	93	33101	7.888	ng	99
29) 2,4-Dichlorophenol	7.998	162	22192	8.170	ng	97
30) 1,2,4-Trichlorobenzene	8.057	180	24521	7.823	ng	98
31) Naphthalene	8.139	128	82148	7.910	ng	99
32) Benzoic acid	7.939	122	1329	0.800	ng	98
33) 4-Chloroaniline	8.198	127	30294	8.690	ng	96
34) Hexachlorobutadiene	8.245	225	15681	8.259	ng	98
35) Caprolactam	8.545	113	6831	8.429	ng	94
36) 4-Chloro-3-methylphenol	8.686	107	25565	8.236	ng	95
37) 2-Methylnaphthalene	8.828	142	54987	8.384	ng	100
38) 1-Methylnaphthalene	8.928	142	52104	8.107	ng	100
40) 1,2,4,5-Tetrachloroben...	8.992	216	26631	8.382	ng	97
41) Hexachlorocyclopentadiene	8.975	237	341	7.336	ng	81
43) 2,4,6-Trichlorophenol	9.116	196	13796	7.122	ng	99

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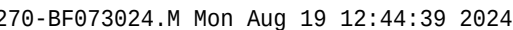
Instrument :
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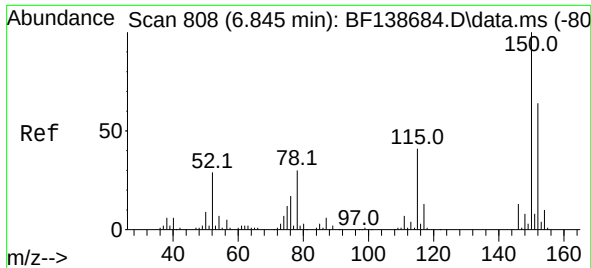
Quant Time: Aug 19 12:44:26 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.175	196	15136	7.147	ng	# 91
46) 1,1'-Biphenyl	9.286	154	73847	8.244	ng	99
47) 2-Chloronaphthalene	9.316	162	52562	7.890	ng	98
48) 2-Nitroaniline	9.422	65	19093	8.454	ng	88
49) Acenaphthylene	9.728	152	81646	8.641	ng	99
50) Dimethylphthalate	9.586	163	64033	8.756	ng	99
51) 2,6-Dinitrotoluene	9.657	165	13335	8.080	ng	# 80
52) Acenaphthene	9.898	154	51010	8.031	ng	99
53) 3-Nitroaniline	9.839	138	13103	7.680	ng	94
54) 2,4-Dinitrophenol	9.986	184	1318	1.735	ng	# 70
55) Dibenzofuran	10.075	168	76538	8.537	ng	95
56) 4-Nitrophenol	10.075	139	37137	36.195	ng	# 7
57) 2,4-Dinitrotoluene	10.075	165	17665	8.389	ng	# 73
58) Fluorene	10.416	166	61530	8.618	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.204	232	10708	6.614	ng	# 88
60) Diethylphthalate	10.286	149	61568	8.879	ng	99
61) 4-Chlorophenyl-phenyle...	10.404	204	29818	8.491	ng	94
62) 4-Nitroaniline	10.451	138	12233	7.545	ng	87
63) Azobenzene	10.569	77	67012	8.713	ng	95
65) 4,6-Dinitro-2-methylph...	10.486	198	6712	5.022	ng	92
66) n-Nitrosodiphenylamine	10.527	169	52253	7.631	ng	99
67) 4-Bromophenyl-phenylether	10.898	248	17448	7.356	ng	98
68) Hexachlorobenzene	10.963	284	17799	7.268	ng	93
69) Atrazine	11.051	200	18528	10.487	ng	95
70) Pentachlorophenol	11.186	266	1212	1.098	ng	# 80
71) Phenanthrene	11.380	178	94934	8.416	ng	99
72) Anthracene	11.433	178	91844	8.265	ng	99
73) Carbazole	11.598	167	72444	7.556	ng	98
74) Di-n-butylphthalate	11.910	149	96026	8.910	ng	99
75) Fluoranthene	12.574	202	83409	7.920	ng	97
77) Benzidine	12.704	184	16030	5.951	ng	96
78) Pyrene	12.804	202	81758	7.710	ng	100
80) Butylbenzylphthalate	13.410	149	30674	9.033	ng	97
81) Benzo(a)anthracene	13.992	228	62040	7.999	ng	99
82) 3,3'-Dichlorobenzidine	13.957	252	15921	8.022	ng	# 94
83) Chrysene	14.027	228	54334	7.765	ng	99
84) Bis(2-ethylhexyl)phtha...	13.963	149	36429	7.326	ng	98
85) Di-n-octyl phthalate	14.574	149	48226	5.242	ng	97
87) Indeno(1,2,3-cd)pyrene	16.951	276	45555	6.678	ng	95
88) Benzo(b)fluoranthene	15.039	252	47046	7.973	ng	98
89) Benzo(k)fluoranthene	15.068	252	42979	8.412	ng	99
90) Benzo(a)pyrene	15.410	252	40968	8.254	ng	98
91) Dibenzo(a,h)anthracene	16.956	278	36322	6.486	ng	98
92) Benzo(g,h,i)perylene	17.404	276	35025	6.028	ng	98

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

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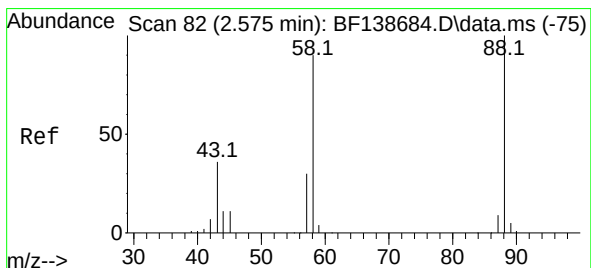
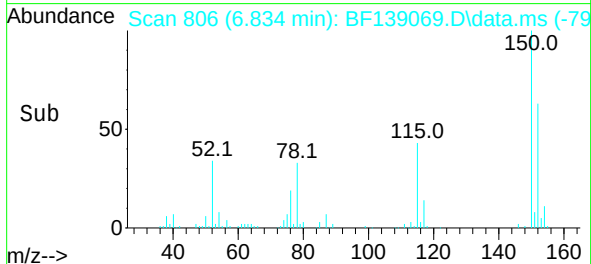
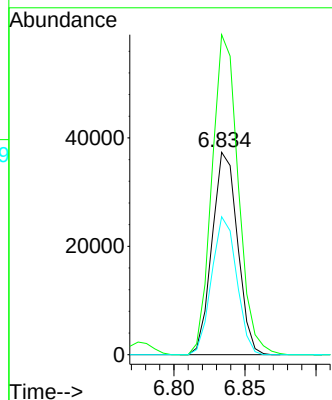
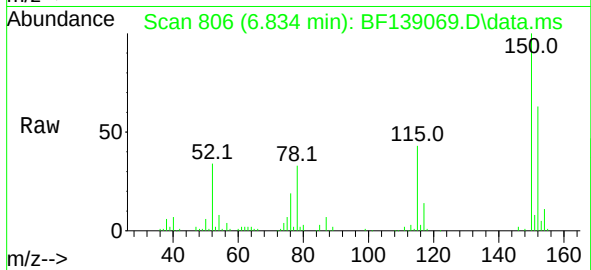




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.011 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

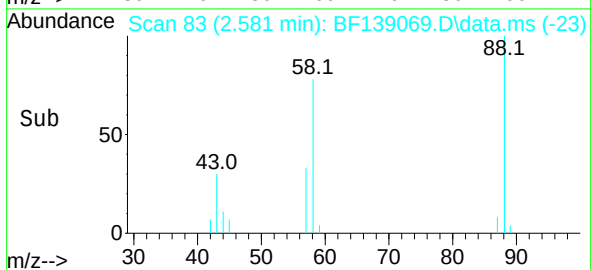
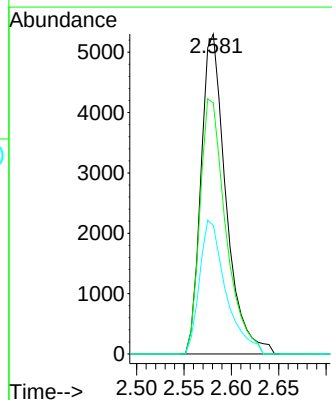
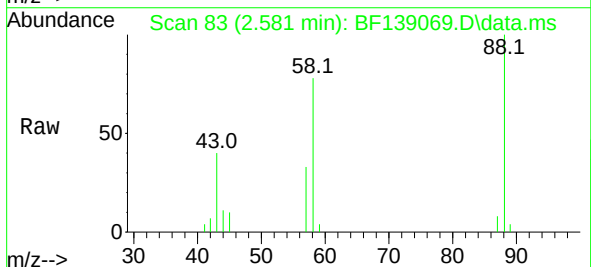
Instrument :
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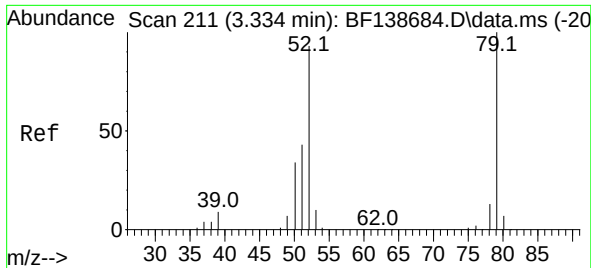
Tgt Ion:152 Resp: 46478
Ion Ratio Lower Upper
152 100
150 158.1 126.0 189.0
115 68.2 51.7 77.5



#2
1,4-Dioxane
Concen: 7.359 ng
RT: 2.581 min Scan# 83
Delta R.T. 0.006 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

Tgt Ion: 88 Resp: 9700
Ion Ratio Lower Upper
88 100
58 82.5 71.6 107.4
43 44.1 28.7 43.1#

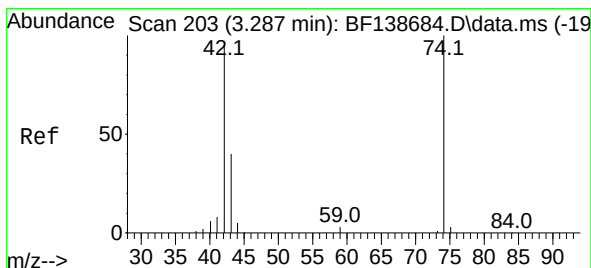
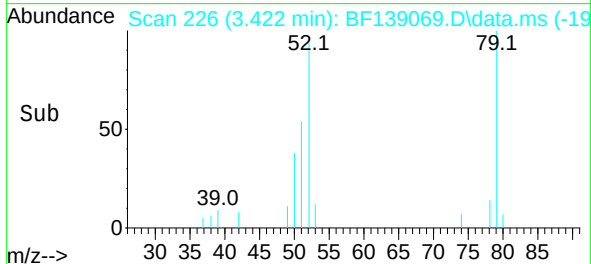
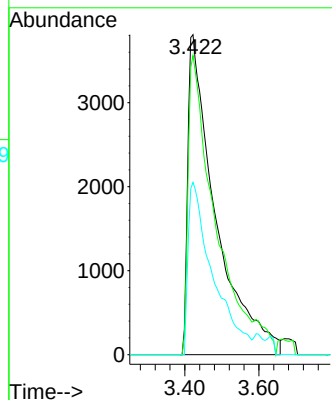
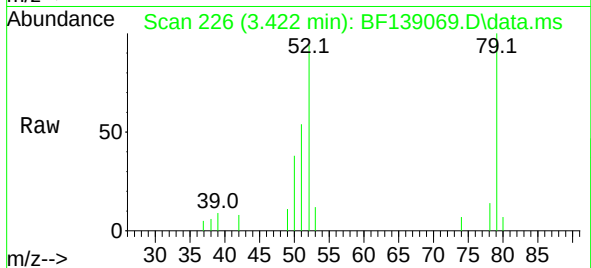




#3
Pyridine
Concen: 6.188 ng
RT: 3.422 min Scan# 211
Delta R.T. 0.088 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

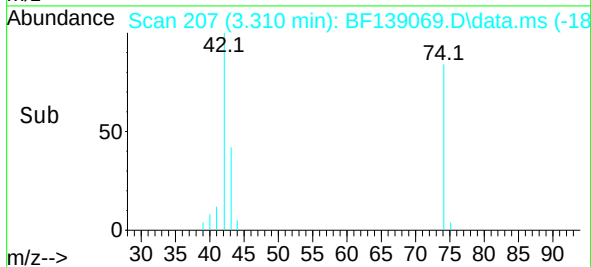
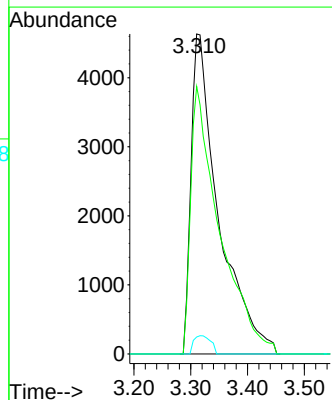
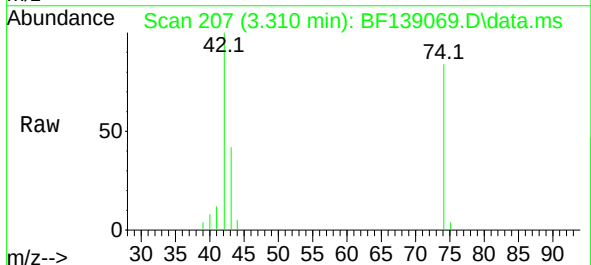
Instrument :
BNA_F
ClientSampleId :
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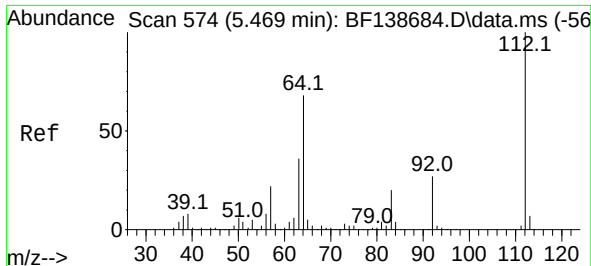
Tgt Ion: 79 Resp: 19759
Ion Ratio Lower Upper
79 100
52 93.5 74.7 112.1
51 53.8 34.6 51.8#



#4
n-Nitrosodimethylamine
Concen: 8.194 ng
RT: 3.310 min Scan# 207
Delta R.T. 0.023 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

Tgt Ion: 42 Resp: 15584
Ion Ratio Lower Upper
42 100
74 83.6 84.2 126.4#
44 5.3 4.9 7.3

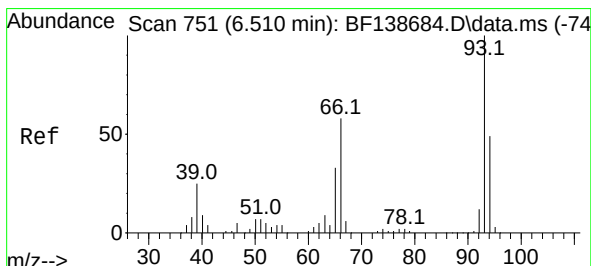
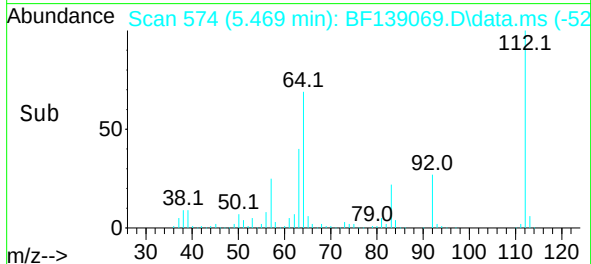
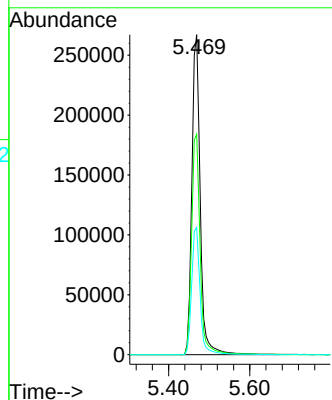
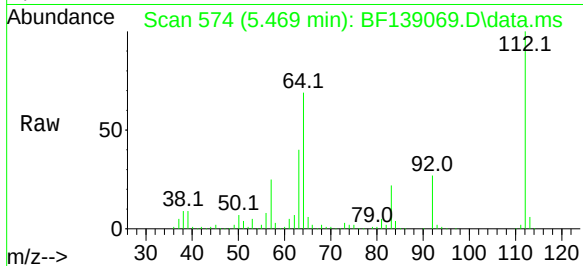




#5
2-Fluorophenol
Concen: 126.950 ng
RT: 5.469 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

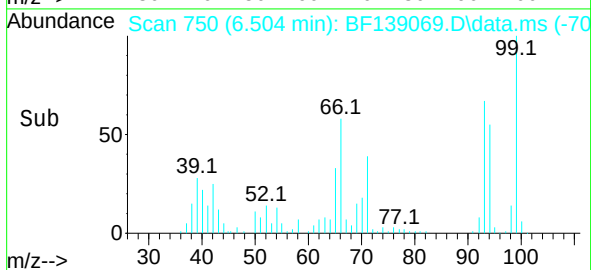
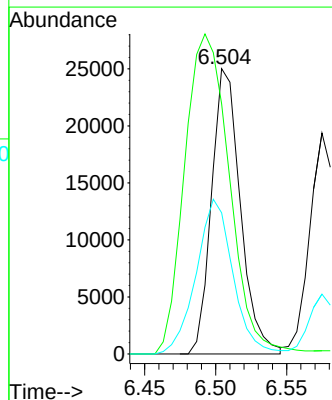
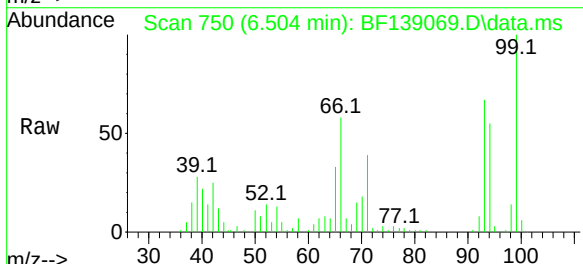
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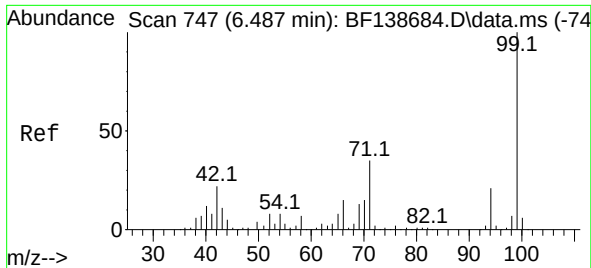
Tgt Ion:112 Resp: 382235
Ion Ratio Lower Upper
112 100
64 68.9 54.2 81.4
63 39.8 28.7 43.1



#6
Aniline
Concen: 9.810 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

Tgt Ion: 93 Resp: 35366
Ion Ratio Lower Upper
93 100
66 87.7 46.9 70.3#
65 49.5 26.5 39.7#

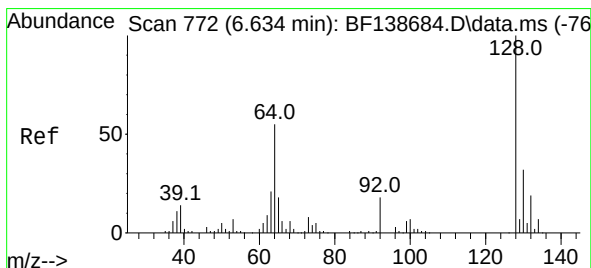
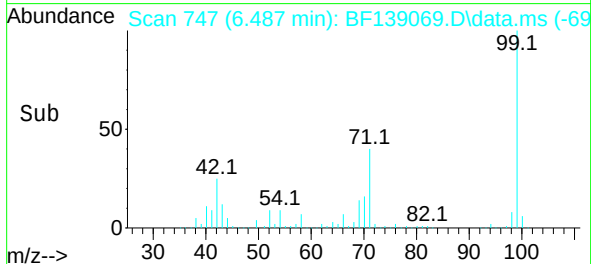
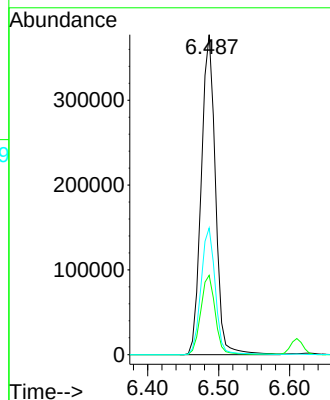
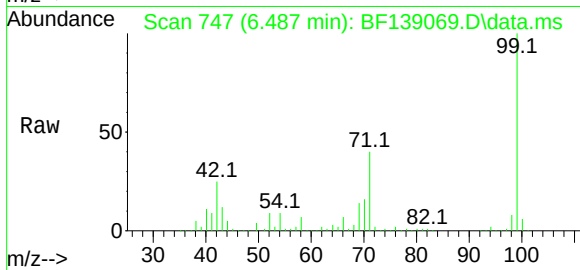




#7
Phenol-d6
Concen: 130.197 ng
RT: 6.487 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

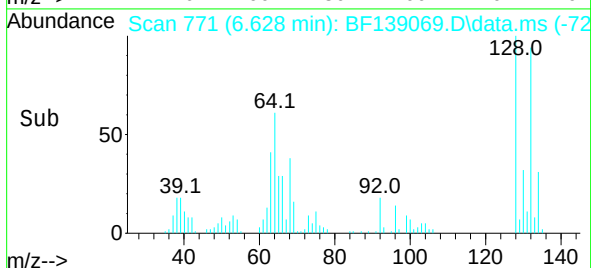
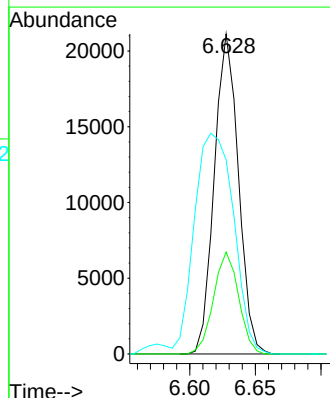
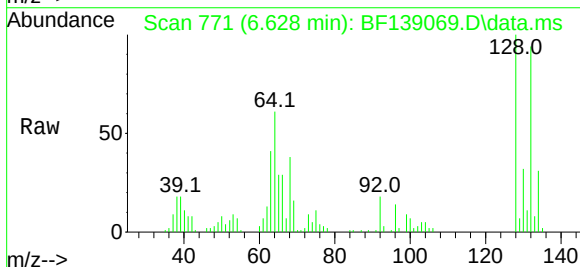
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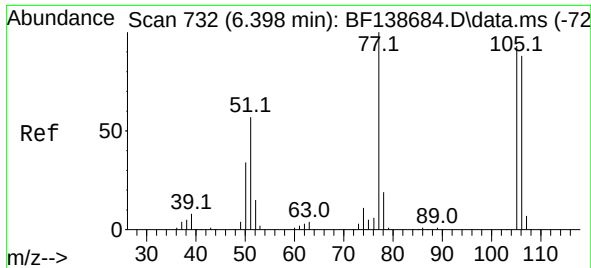
Tgt Ion:	99	Resp:	526318
Ion	Ratio	Lower	Upper
99	100		
42	24.8	17.4	26.0
71	39.6	28.1	42.1



#8
2-Chlorophenol
Concen: 8.522 ng
RT: 6.628 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

Tgt Ion:	128	Resp:	26997
Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.0	52.0
64	60.6	36.3	76.3





#9

Benzaldehyde

Concen: 9.291 ng

RT: 6.398 min Scan# 749

Delta R.T. 0.000 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

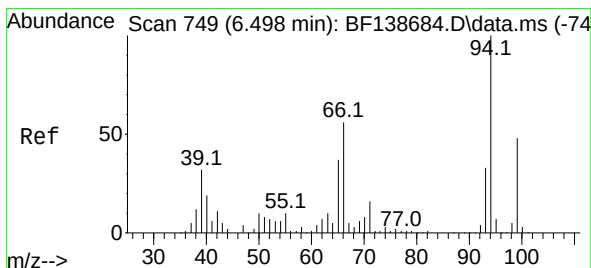
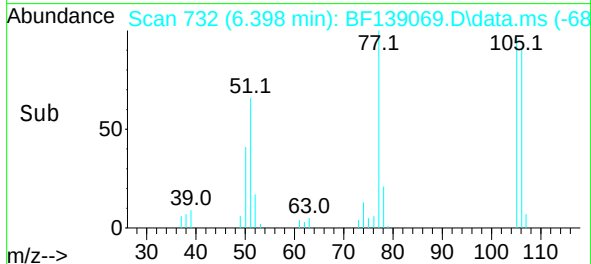
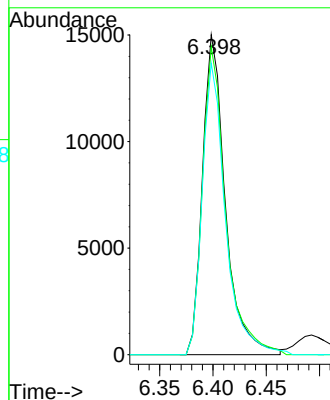
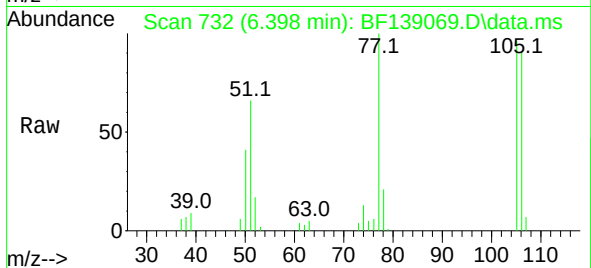
Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion:	77	Resp:	22515
Ion Ratio	Lower	Upper	
77	100		
105	96.2	72.9	112.9
106	91.1	68.4	108.4



#10

Phenol

Concen: 8.119 ng

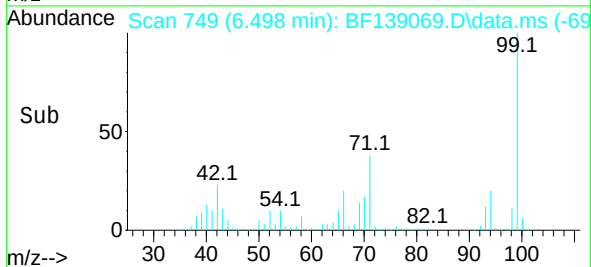
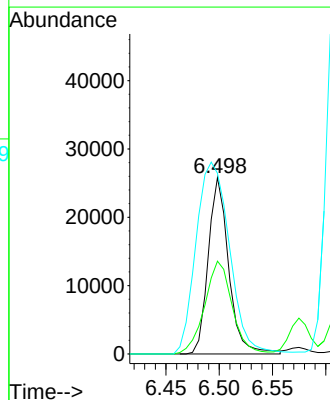
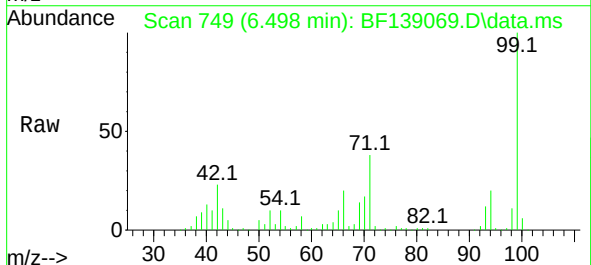
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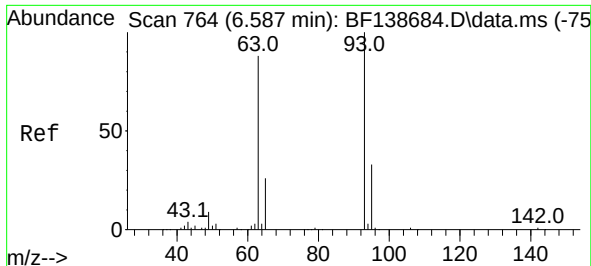
Delta R.T. -0.000 min

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Tgt Ion:	94	Resp:	34558
Ion Ratio	Lower	Upper	
94	100		
65	52.6	16.9	56.9
66	102.3	36.5	76.5#





#11

bis(2-Chloroethyl)ether

Concen: 7.803 ng

RT: 6.575 min Scan# 7

Delta R.T. -0.012 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

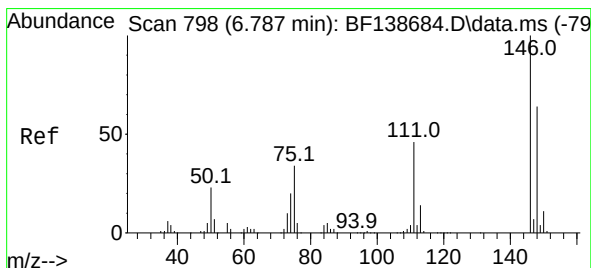
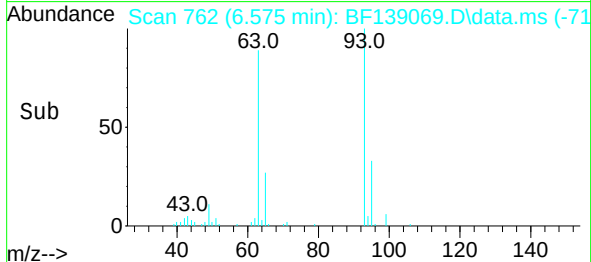
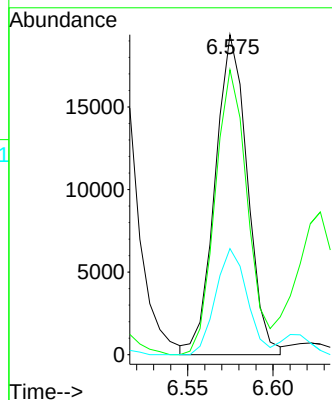
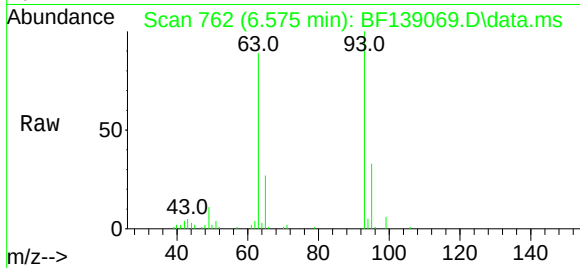
Tgt Ion: 93 Resp: 25558

Ion Ratio Lower Upper

93 100

63 89.1 65.3 105.3

95 33.2 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 7.930 ng

RT: 6.775 min Scan# 796

Delta R.T. -0.012 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

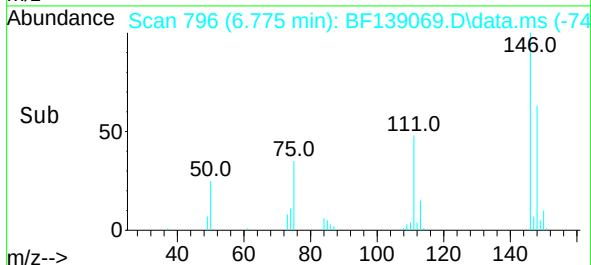
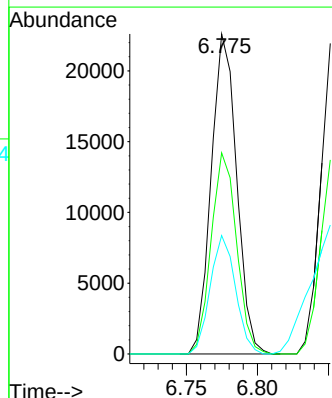
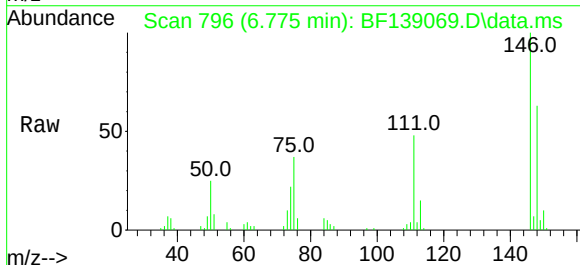
Tgt Ion:146 Resp: 28120

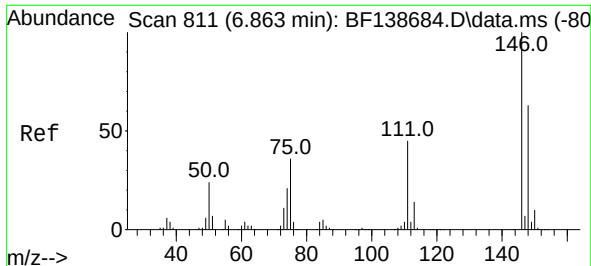
Ion Ratio Lower Upper

146 100

148 62.8 51.2 76.8

75 37.0 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 8.253 ng

RT: 6.851 min Scan# 809

Delta R.T. -0.012 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

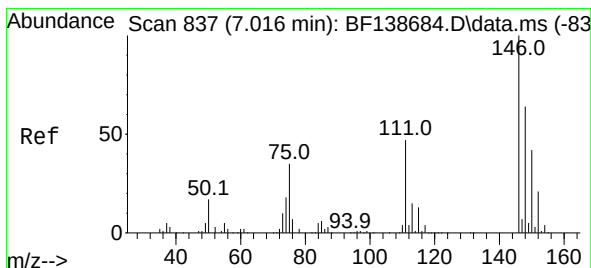
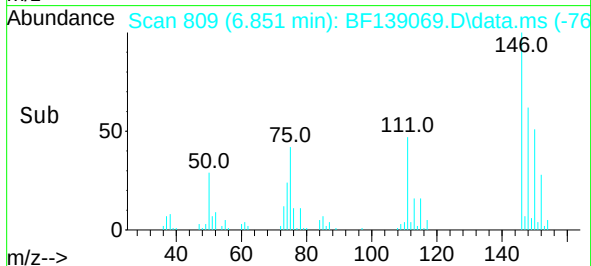
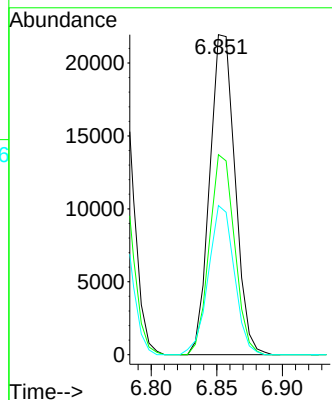
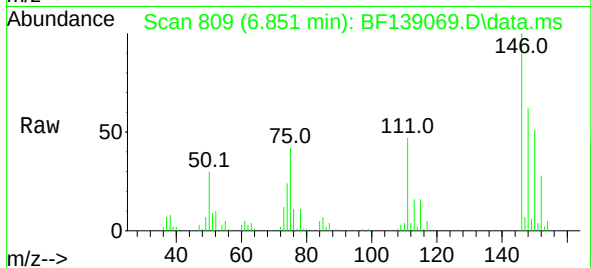
Tgt Ion:146 Resp: 29535

Ion Ratio Lower Upper

146 100

148 62.5 50.2 75.2

111 46.6 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 8.390 ng

RT: 7.004 min Scan# 835

Delta R.T. -0.012 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

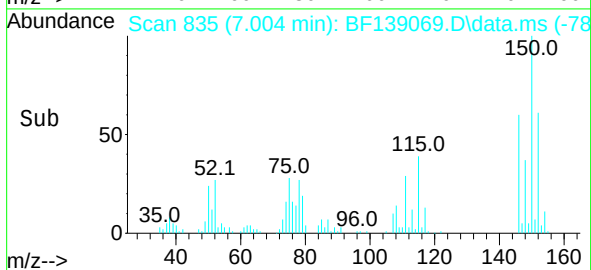
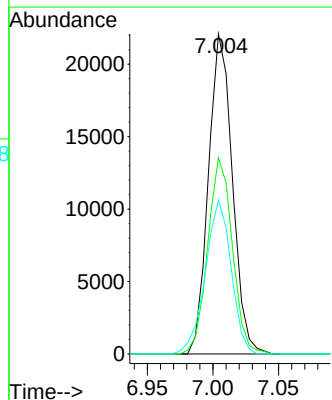
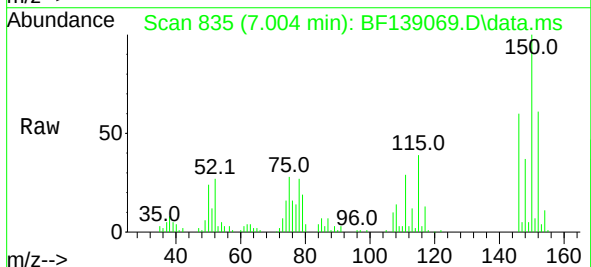
Tgt Ion:146 Resp: 28058

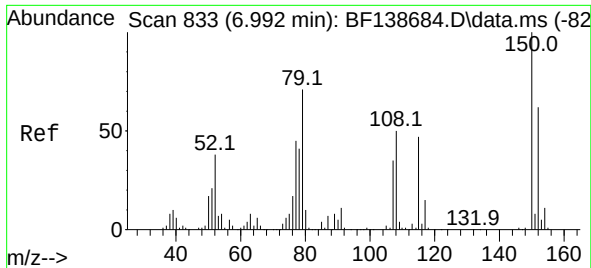
Ion Ratio Lower Upper

146 100

148 61.3 50.8 76.2

111 48.2 37.4 56.2

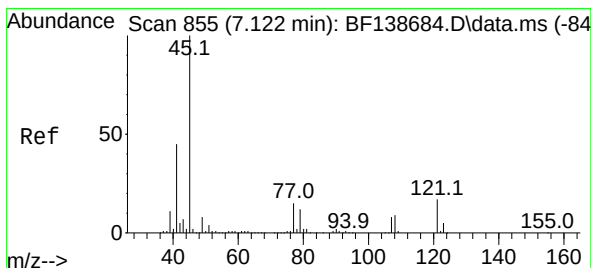
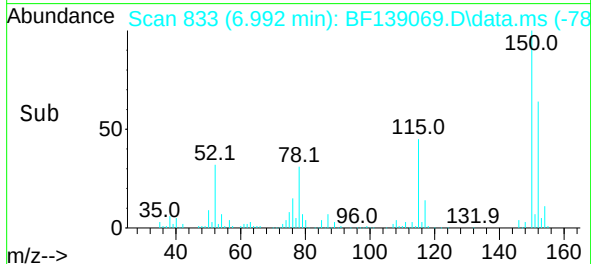
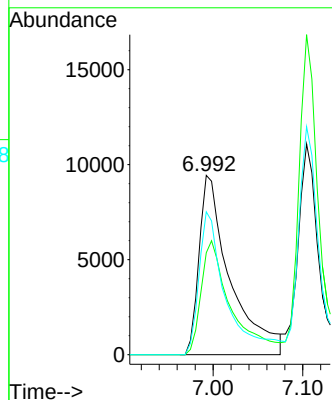
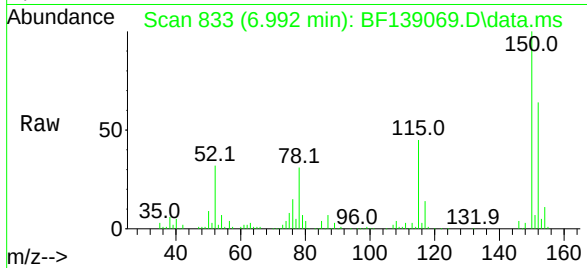




#15
Benzyl Alcohol
Concen: 7.766 ng
RT: 6.992 min Scan# 841
Delta R.T. -0.000 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

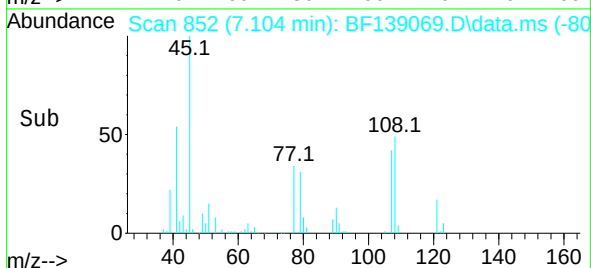
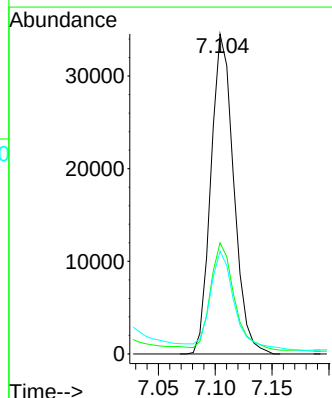
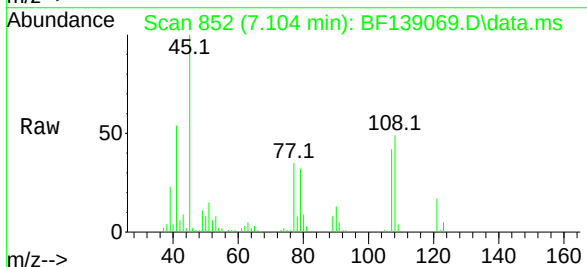
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

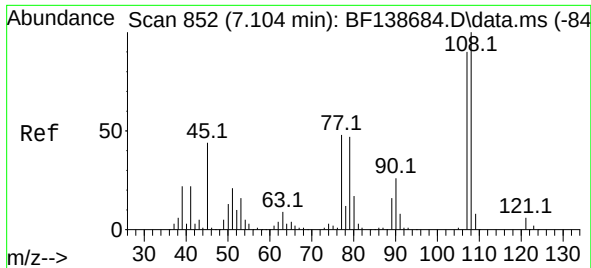
Tgt Ion: 79 Resp: 22628
Ion Ratio Lower Upper
79 100
108 56.9 56.6 85.0
77 79.7 50.3 75.5#



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.535 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.018 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

Tgt Ion: 45 Resp: 48107
Ion Ratio Lower Upper
45 100
77 34.7 0.0 34.9
79 32.1 0.0 32.2

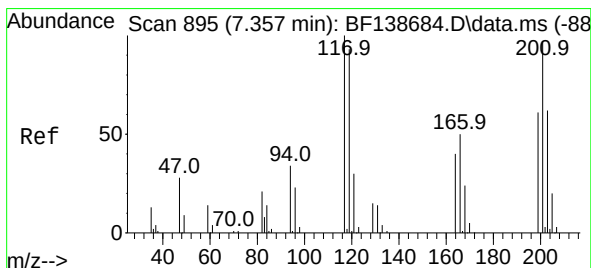
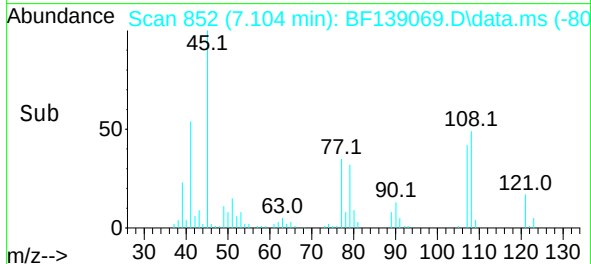
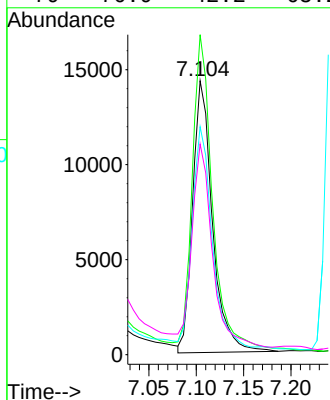
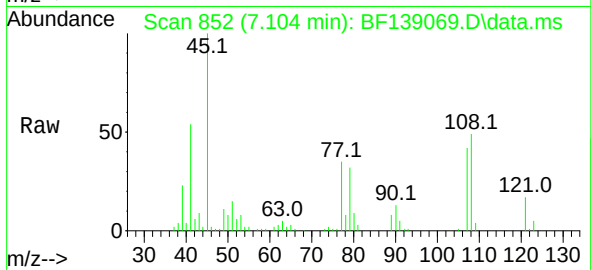




#17
2-Methylphenol
Concen: 7.971 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.000 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

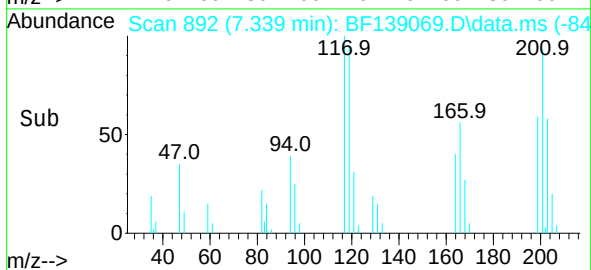
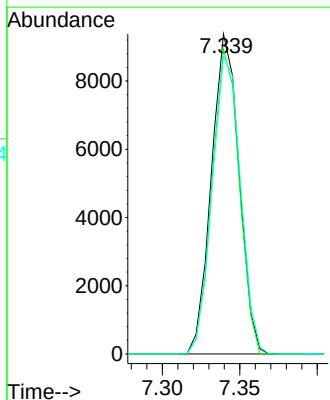
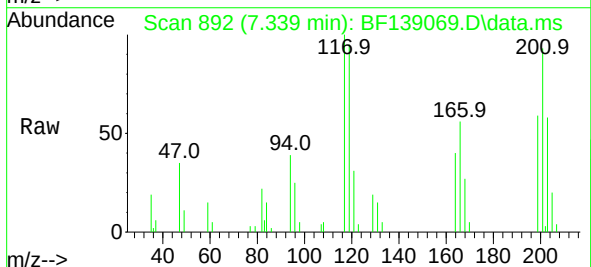
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

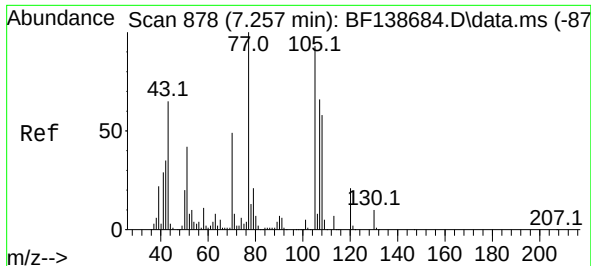
Tgt Ion:	107	Resp:	20851
Ion	Ratio	Lower	Upper
107	100		
108	116.8	89.2	133.8
77	83.3	43.0	64.4#
79	76.9	42.2	63.2#



#18
Hexachloroethane
Concen: 8.614 ng
RT: 7.339 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

Tgt Ion:	117	Resp:	11604
Ion	Ratio	Lower	Upper
117	100		
119	95.2	74.6	111.8
201	93.0	77.2	115.8





#19

n-Nitroso-di-n-propylamine

Concen: 8.546 ng

RT: 7.245 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF139069.D

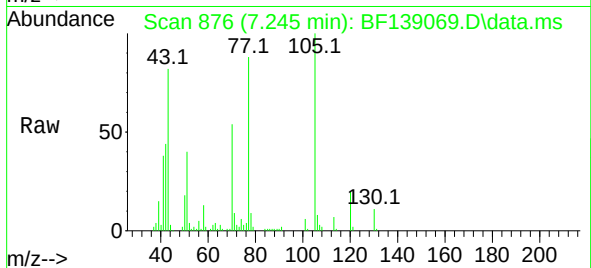
Acq: 19 Aug 2024 11:46

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024



Tgt Ion: 70 Resp: 20865

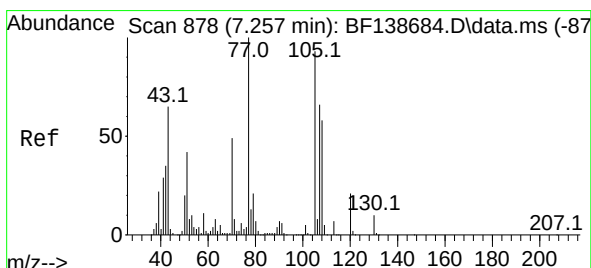
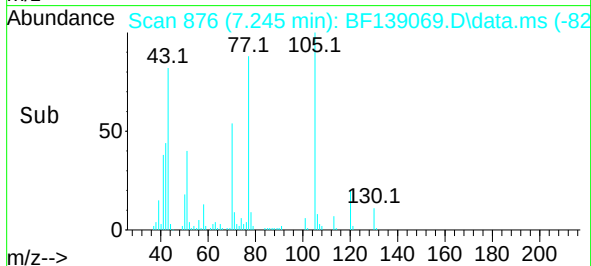
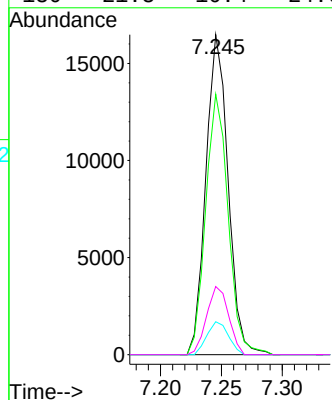
Ion	Ratio	Lower	Upper
-----	-------	-------	-------

70	100		
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42	81.4	57.4	86.0
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101	10.3	7.5	11.3
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130	21.3	16.4	24.6
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#20

3+4-Methylphenols

Concen: 8.003 ng

RT: 7.269 min Scan# 880

Delta R.T. 0.012 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

Tgt Ion: 107 Resp: 26860

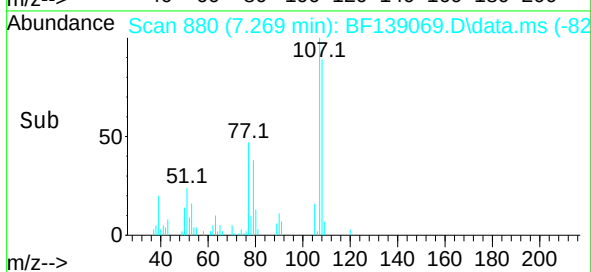
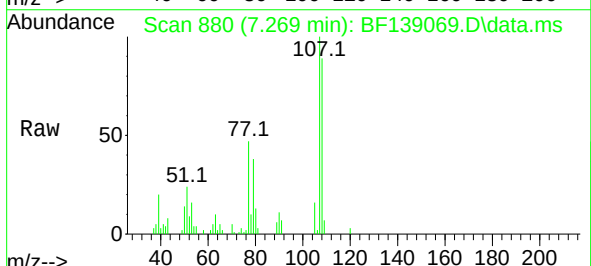
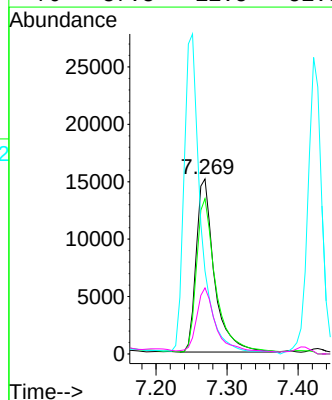
Ion	Ratio	Lower	Upper
-----	-------	-------	-------

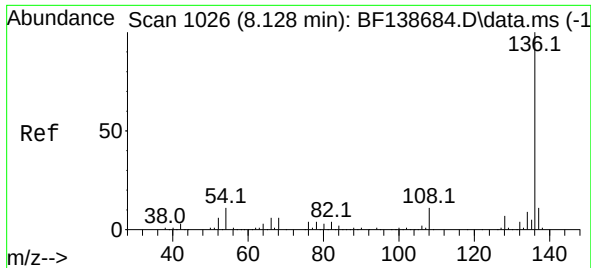
107	100		
-----	-----	--	--

108	88.8	68.2	108.2
-----	------	------	-------

77	47.4	132.1	172.1#
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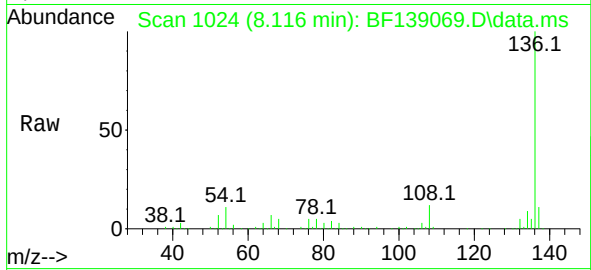
79	37.8	11.5	51.5
----	------	------	------



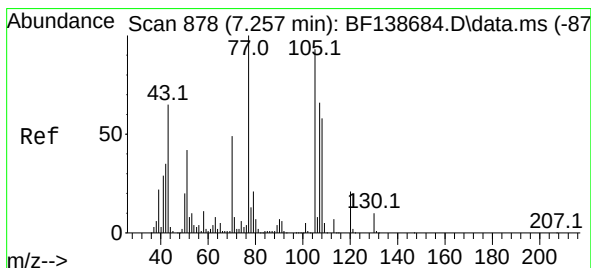
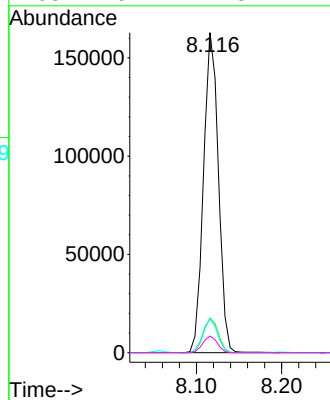
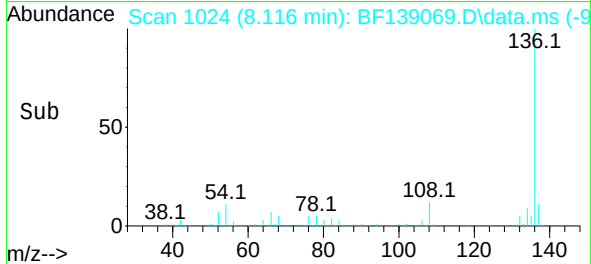


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

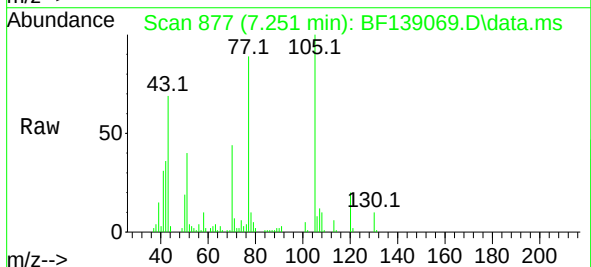
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



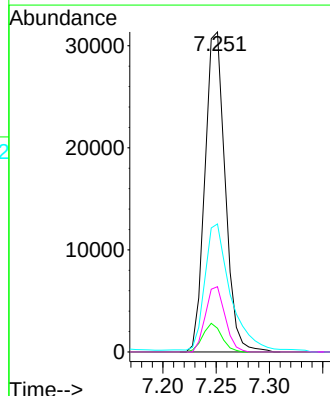
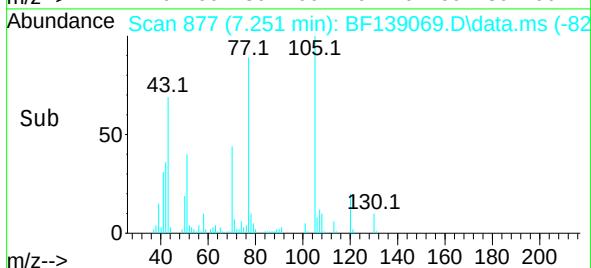
Tgt Ion:136 Resp: 197295
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 10.6 8.6 12.8
68 5.2 4.8 7.2

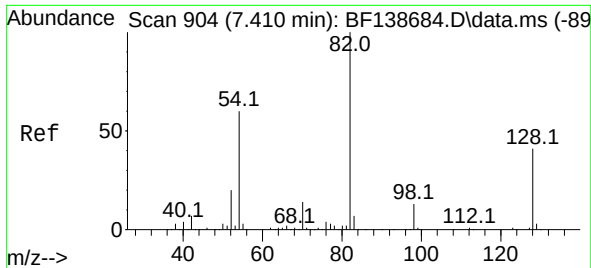


#22
Acetophenone
Concen: 8.586 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46



Tgt Ion:105 Resp: 41478
Ion Ratio Lower Upper
105 100
71 7.4 7.2 10.8
51 40.0 35.9 53.9
120 20.4 17.6 26.4

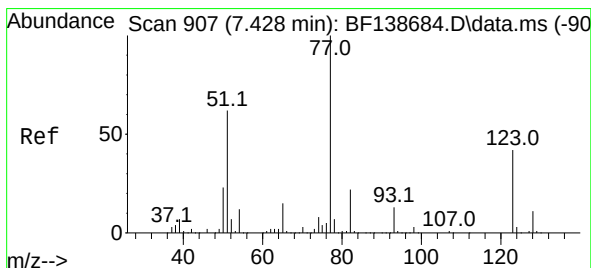
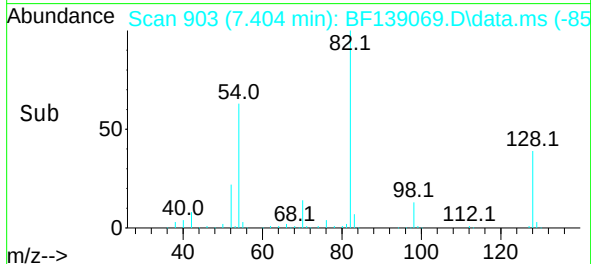
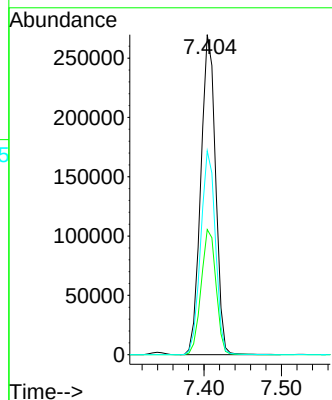
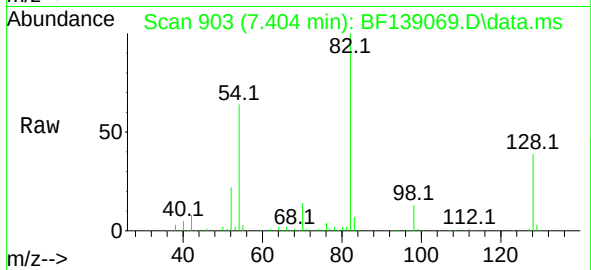




#23
 Nitrobenzene-d5
 Concen: 88.569 ng
 RT: 7.404 min Scan# 904
 Delta R.T. -0.006 min
 Lab File: BF139069.D
 Acq: 19 Aug 2024 11:46

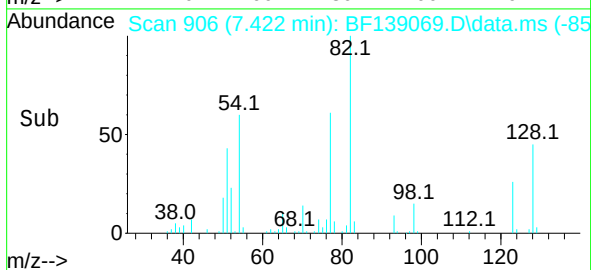
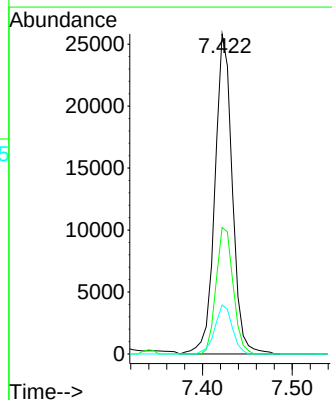
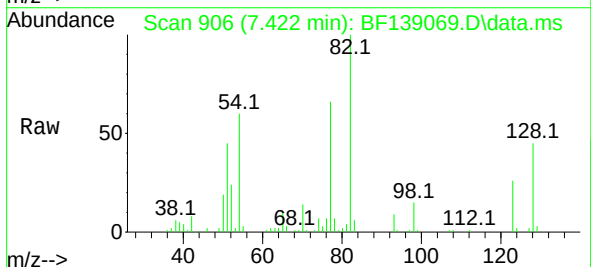
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2024

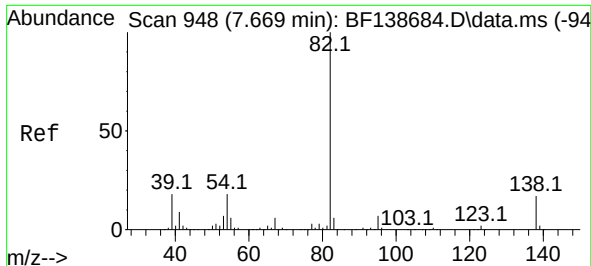
Tgt Ion: 82 Resp: 357408
 Ion Ratio Lower Upper
 82 100
 128 39.1 32.8 49.2
 54 63.7 48.3 72.5



#24
 Nitrobenzene
 Concen: 8.466 ng
 RT: 7.422 min Scan# 906
 Delta R.T. -0.006 min
 Lab File: BF139069.D
 Acq: 19 Aug 2024 11:46

Tgt Ion: 77 Resp: 34764
 Ion Ratio Lower Upper
 77 100
 123 39.6 33.3 49.9
 65 15.3 11.9 17.9

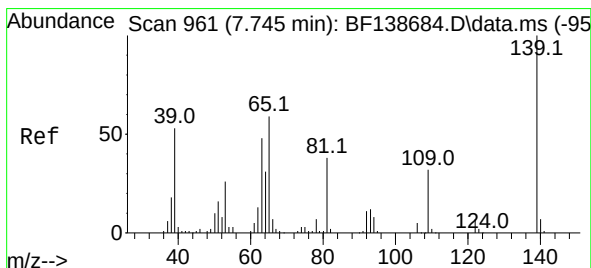
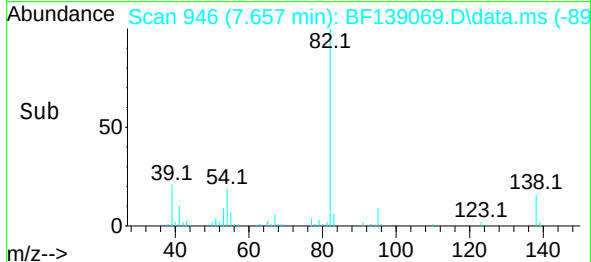
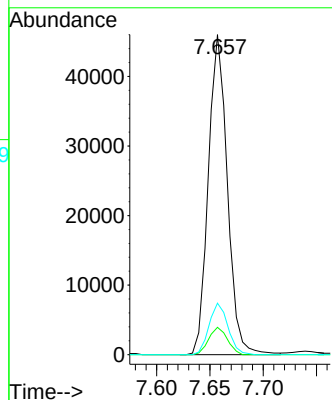
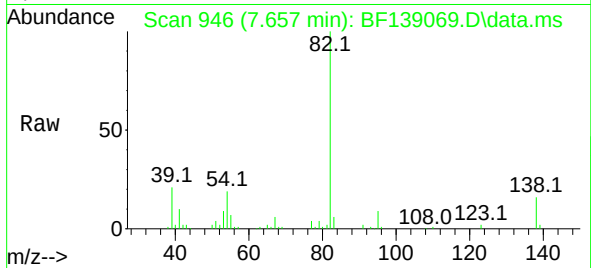




#25
Isophorone
Concen: 8.339 ng
RT: 7.657 min Scan# 946
Delta R.T. -0.012 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

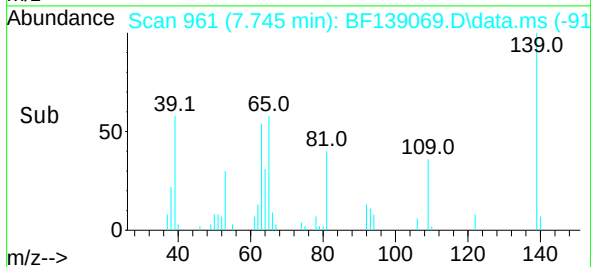
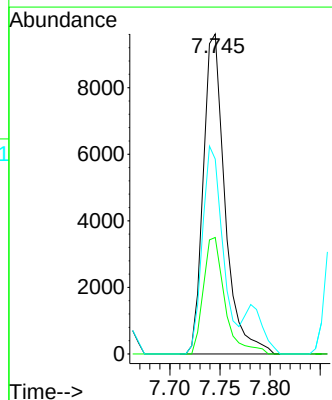
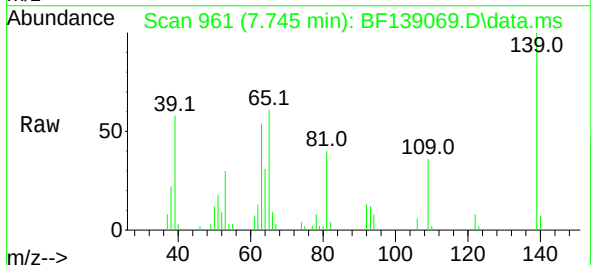
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

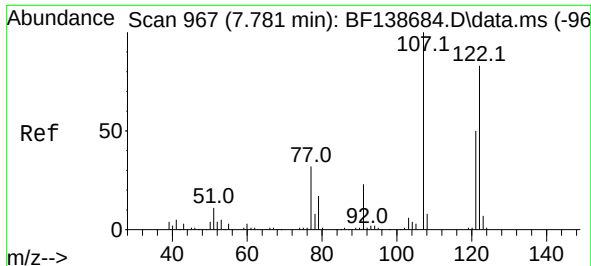
Tgt Ion: 82 Resp: 57464
Ion Ratio Lower Upper
82 100
95 8.5 5.7 8.5#
138 16.1 13.7 20.5



#26
2-Nitrophenol
Concen: 8.212 ng
RT: 7.745 min Scan# 961
Delta R.T. -0.000 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

Tgt Ion:139 Resp: 14508
Ion Ratio Lower Upper
139 100
109 36.4 25.9 38.9
65 60.9 47.0 70.6

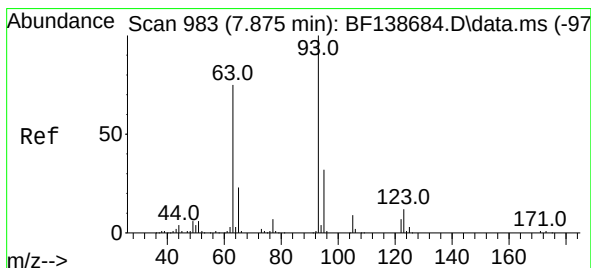
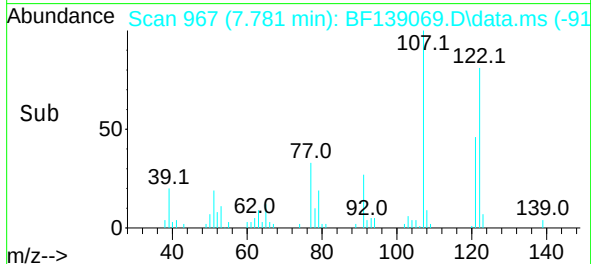
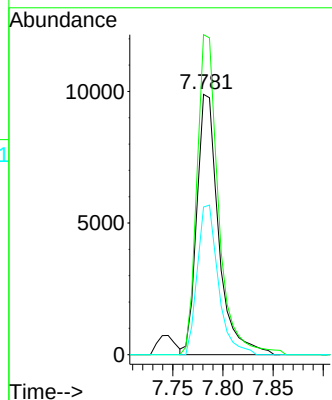
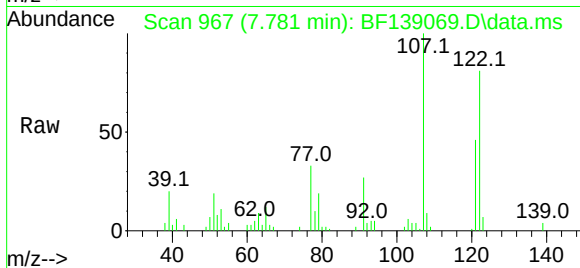




#27
2,4-Dimethylphenol
Concen: 7.088 ng
RT: 7.781 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

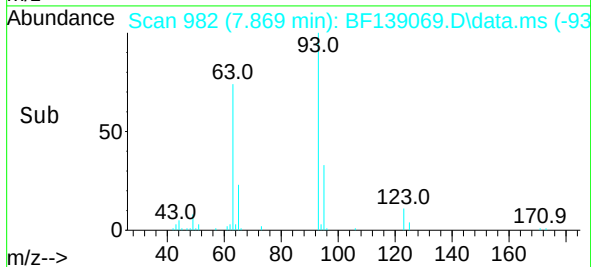
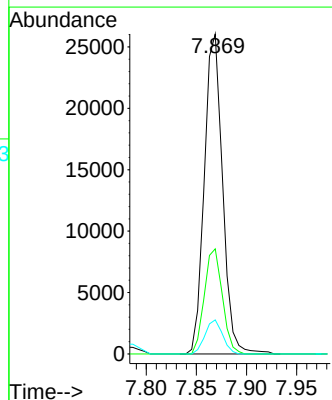
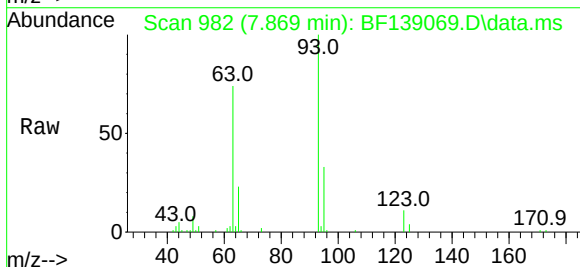
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

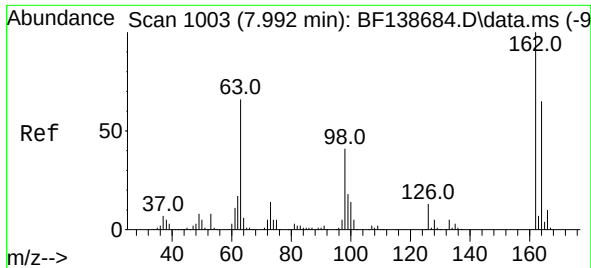
Tgt Ion:122 Resp: 14982
Ion Ratio Lower Upper
122 100
107 122.9 95.0 142.6
121 56.7 47.3 70.9



#28
bis(2-Chloroethoxy)methane
Concen: 7.888 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

Tgt Ion: 93 Resp: 33101
Ion Ratio Lower Upper
93 100
95 32.8 25.8 38.8
123 10.7 9.4 14.0

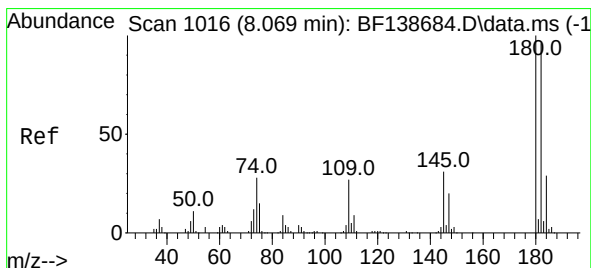
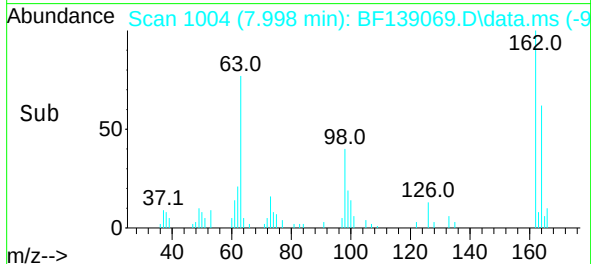
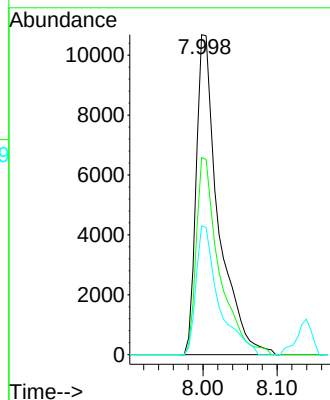
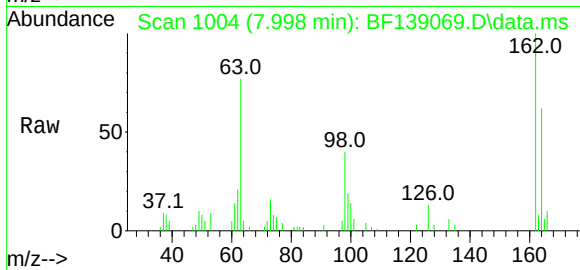




#29
2,4-Dichlorophenol
Concen: 8.170 ng
RT: 7.998 min Scan# 1003
Delta R.T. 0.006 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

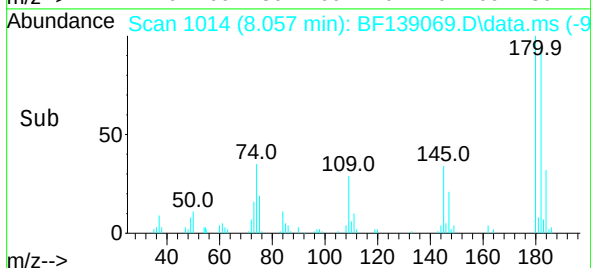
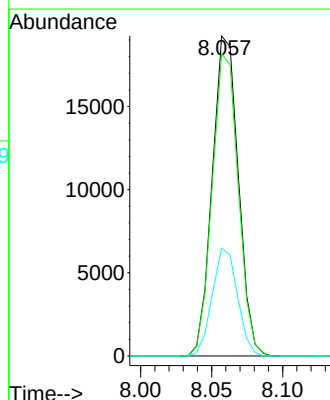
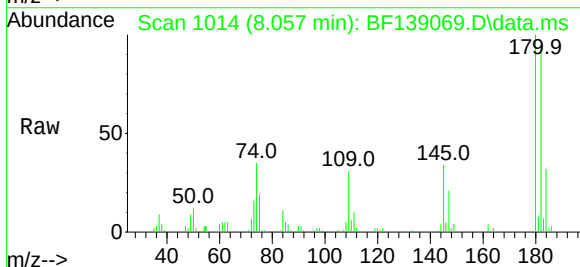
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

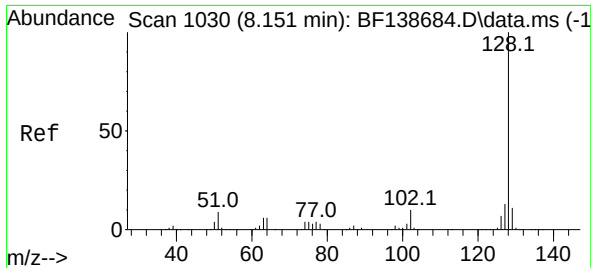
Tgt Ion:162 Resp: 22192
Ion Ratio Lower Upper
162 100
164 61.6 44.7 84.7
98 40.2 20.8 60.8



#30
1,2,4-Trichlorobenzene
Concen: 7.823 ng
RT: 8.057 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

Tgt Ion:180 Resp: 24521
Ion Ratio Lower Upper
180 100
182 94.5 76.9 115.3
145 33.7 25.0 37.4

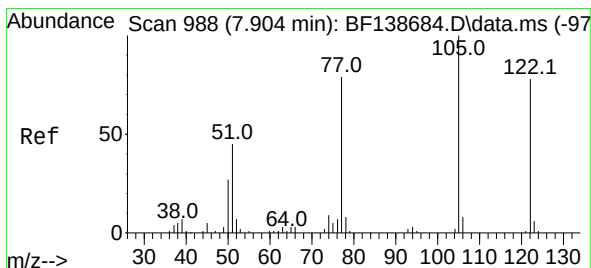
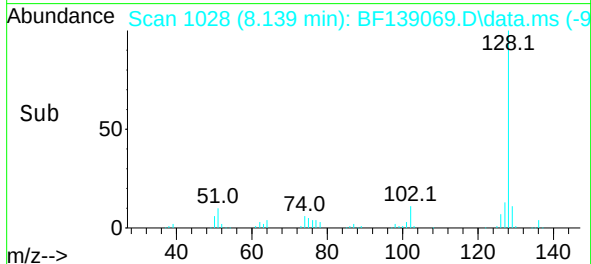
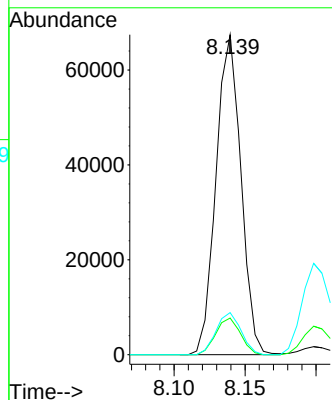
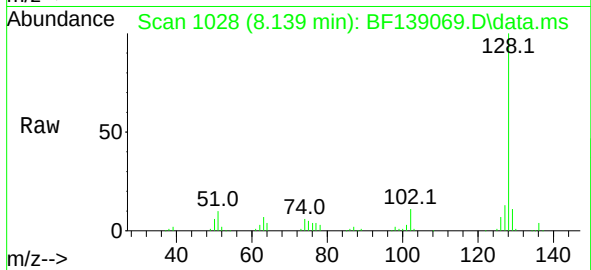




#31
Naphthalene
Concen: 7.910 ng
RT: 8.139 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

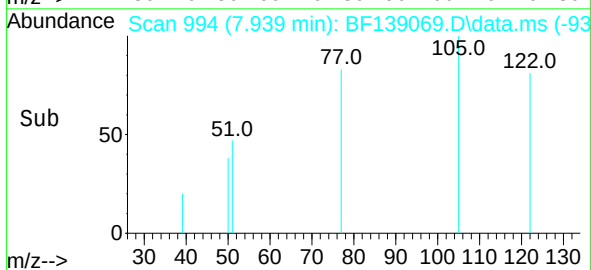
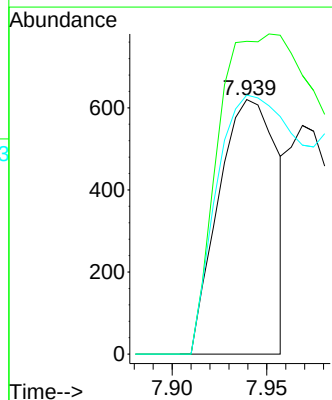
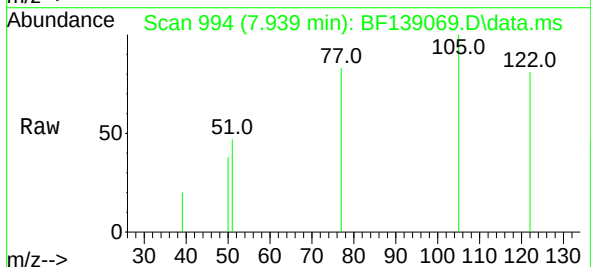
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

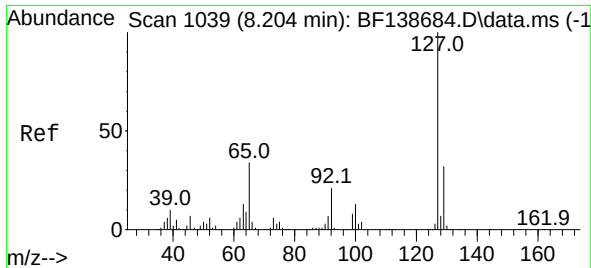
Tgt Ion:128 Resp: 82148
Ion Ratio Lower Upper
128 100
129 11.5 8.7 13.1
127 13.2 10.6 16.0



#32
Benzoic acid
Concen: 0.800 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.035 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

Tgt Ion:122 Resp: 1329
Ion Ratio Lower Upper
122 100
105 122.9 106.7 146.7
77 101.8 81.1 121.1

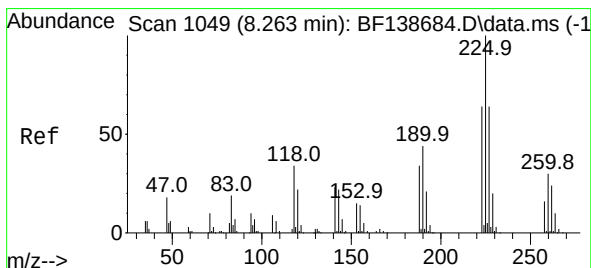
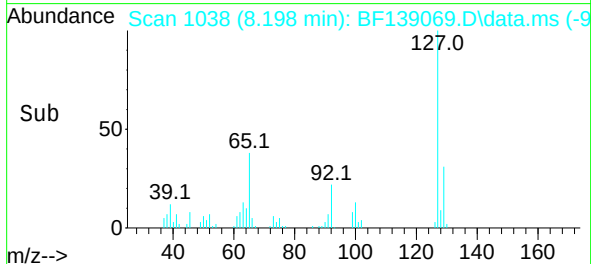
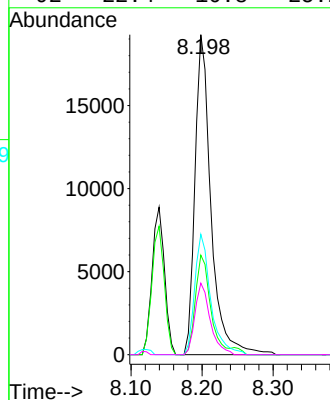
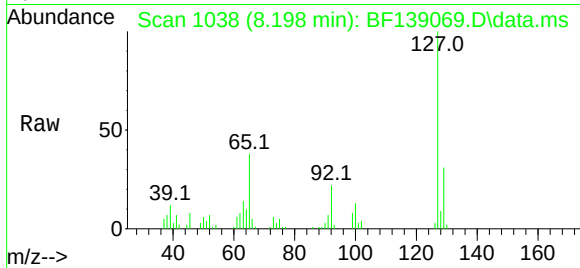




#33
4-Chloroaniline
Concen: 8.690 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

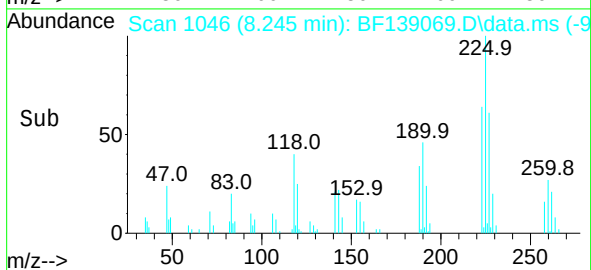
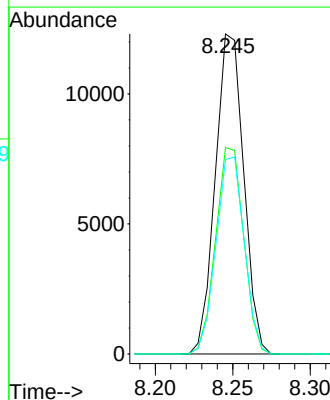
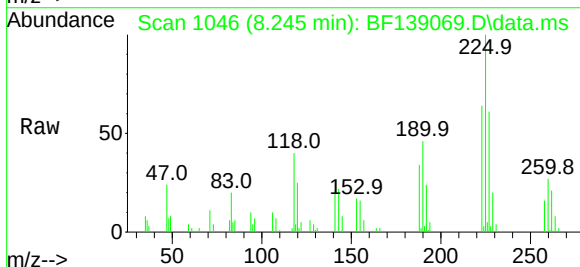
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

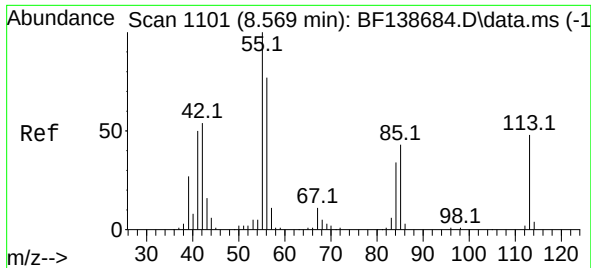
Tgt Ion:	127	Resp:	30294
Ion Ratio	Lower	Upper	
127	100		
129	31.1	25.9	38.9
65	37.6	27.6	41.4
92	22.4	16.8	25.2



#34
Hexachlorobutadiene
Concen: 8.259 ng
RT: 8.245 min Scan# 1046
Delta R.T. -0.018 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

Tgt Ion:	225	Resp:	15681
Ion Ratio	Lower	Upper	
225	100		
223	64.5	51.2	76.8
227	60.8	51.1	76.7





#35

Caprolactam

Concen: 8.429 ng

RT: 8.545 min Scan# 1

Delta R.T. -0.024 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

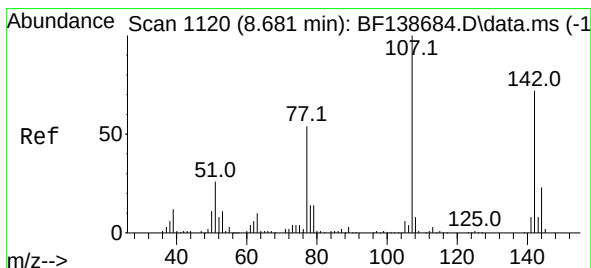
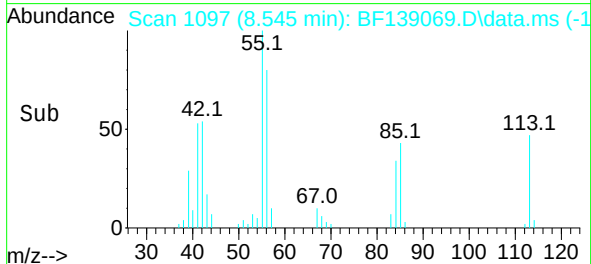
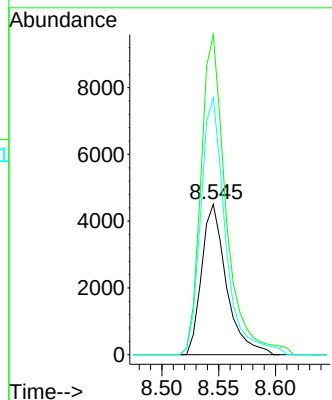
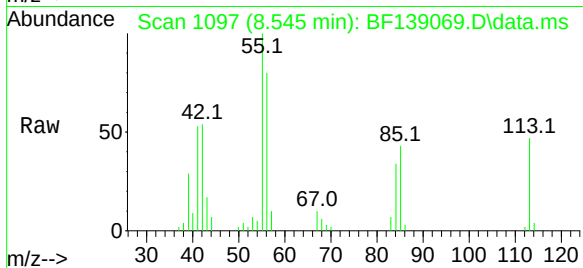
Tgt Ion:113 Resp: 6831

Ion Ratio Lower Upper

113 100

55 212.8 186.7 226.7

56 171.0 138.9 178.9



#36

4-Chloro-3-methylphenol

Concen: 8.236 ng

RT: 8.686 min Scan# 1121

Delta R.T. 0.006 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

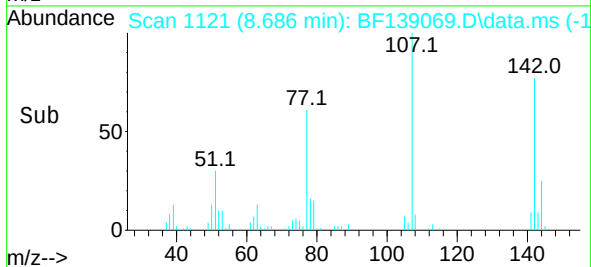
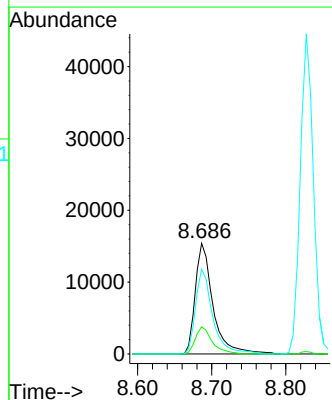
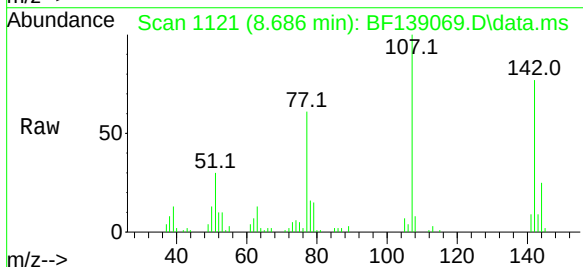
Tgt Ion:107 Resp: 25565

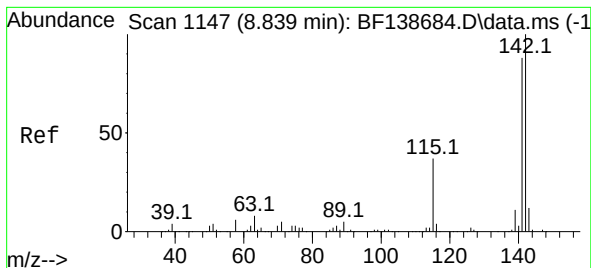
Ion Ratio Lower Upper

107 100

144 24.6 18.2 27.2

142 76.6 57.4 86.2





#37

2-Methylnaphthalene

Concen: 8.384 ng

RT: 8.828 min Scan# 1145

Delta R.T. -0.012 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

Instrument :

BNA_F

ClientSampleId :

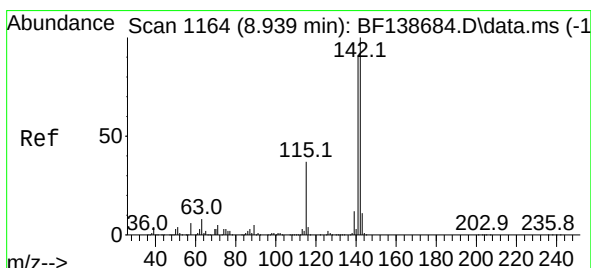
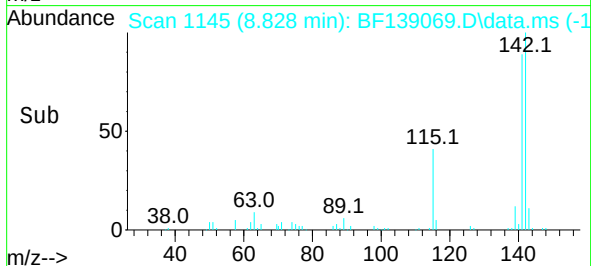
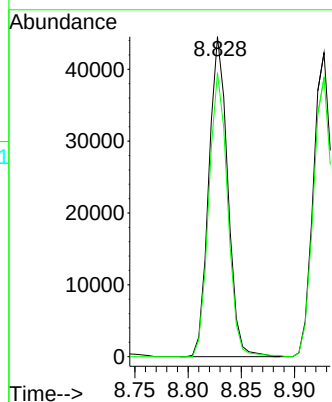
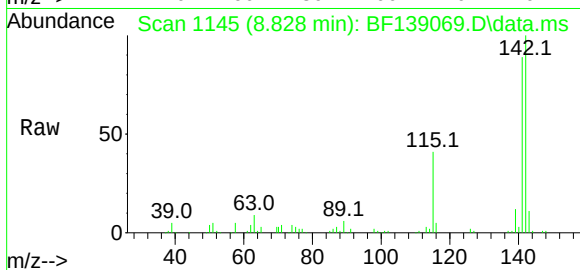
MDL-SOIL-03-QT3-2024

Tgt Ion:142 Resp: 54987

Ion Ratio Lower Upper

142 100

141 88.8 70.8 106.2



#38

1-Methylnaphthalene

Concen: 8.107 ng

RT: 8.928 min Scan# 1162

Delta R.T. -0.012 min

Lab File: BF139069.D

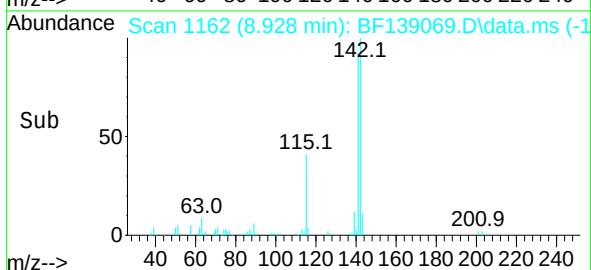
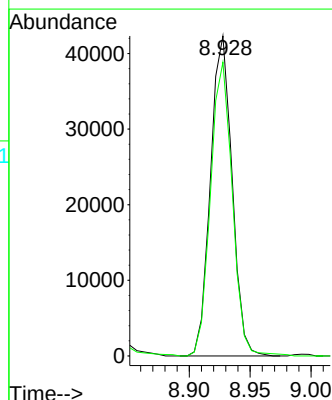
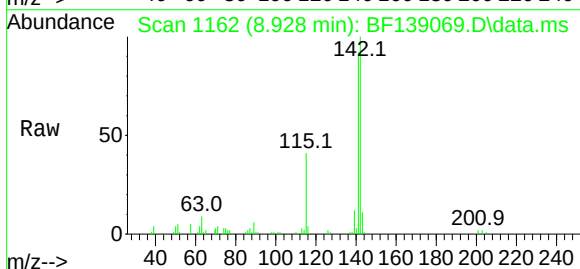
Acq: 19 Aug 2024 11:46

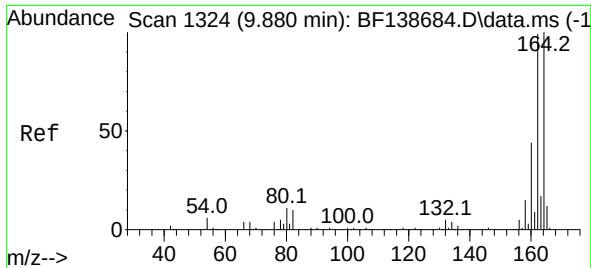
Tgt Ion:142 Resp: 52104

Ion Ratio Lower Upper

142 100

141 91.8 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1143

Delta R.T. -0.011 min

Lab File: BF139069.D

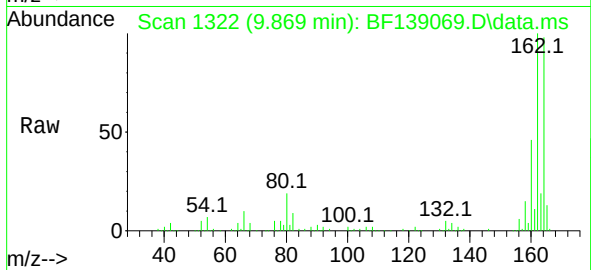
Acq: 19 Aug 2024 11:46

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024



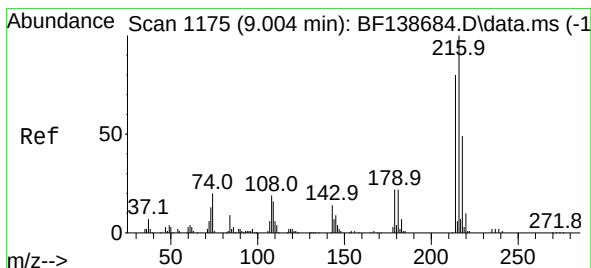
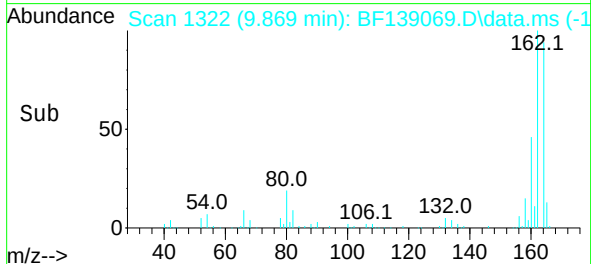
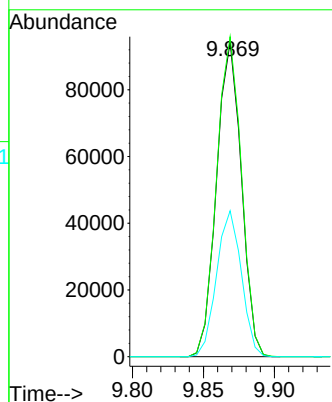
Tgt Ion:164 Resp: 114373

Ion Ratio Lower Upper

164 100

162 101.7 79.4 119.0

160 46.4 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.382 ng

RT: 8.992 min Scan# 1173

Delta R.T. -0.012 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

Tgt Ion:216 Resp: 26631

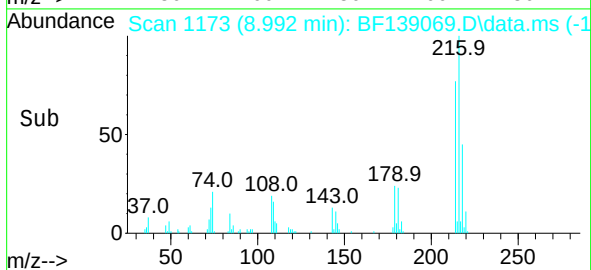
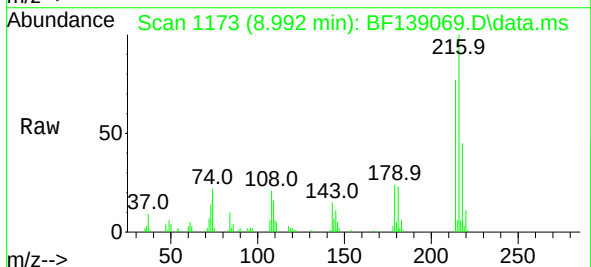
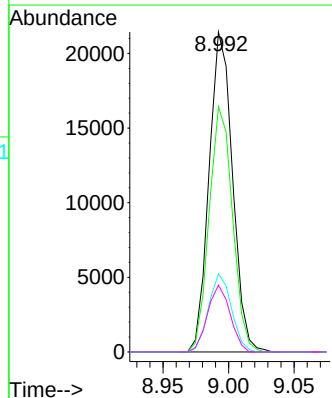
Ion Ratio Lower Upper

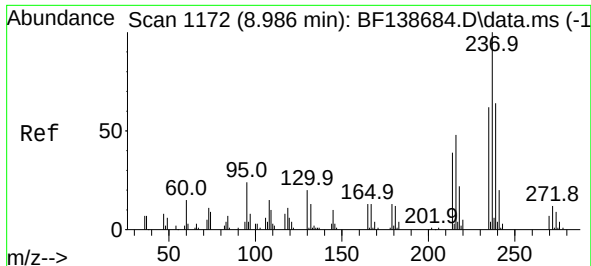
216 100

214 76.5 63.9 95.9

179 23.9 17.8 26.6

108 20.2 16.0 24.0

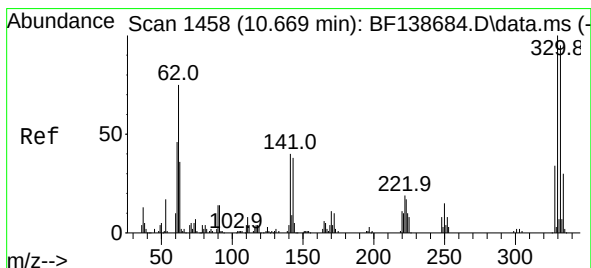
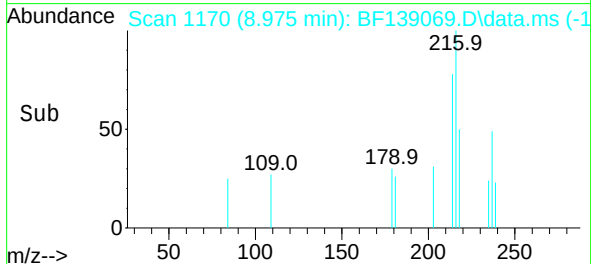
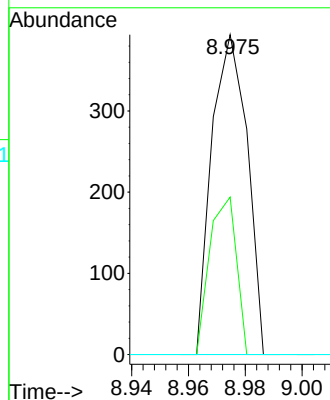
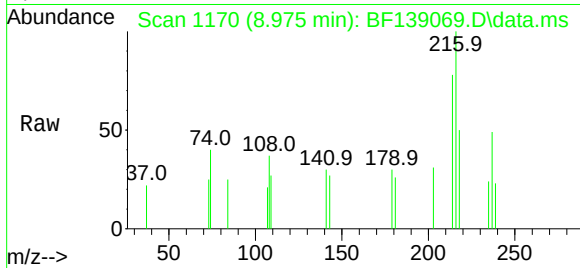




#41
Hexachlorocyclopentadiene
Concen: 7.336 ng
RT: 8.975 min Scan# 1172
Delta R.T. -0.011 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

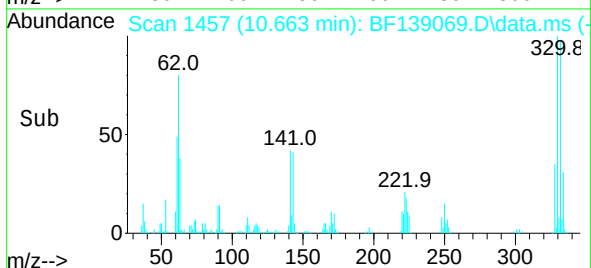
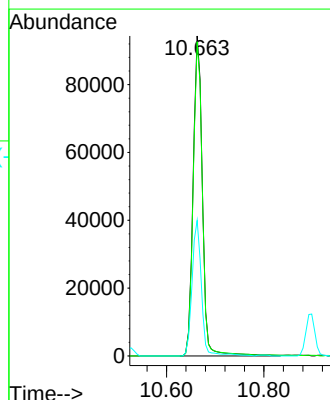
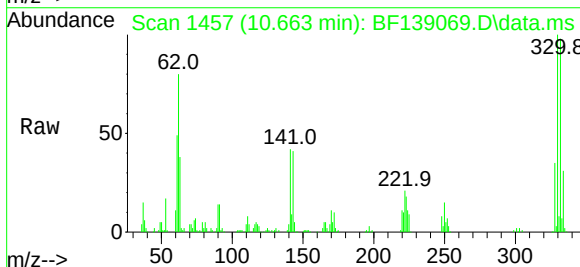
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

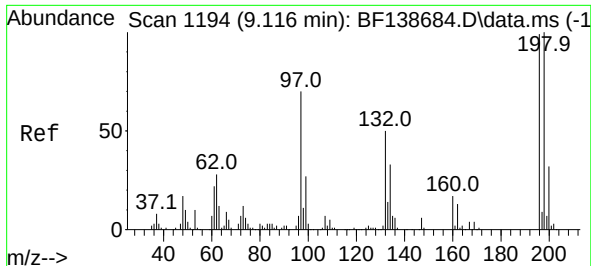
Tgt Ion:	237	Resp:	341
Ion Ratio	Lower	Upper	
237	100		
235	49.2	41.8	81.8
272	0.0	0.0	32.2



#42
2,4,6-Tribromophenol
Concen: 133.230 ng
RT: 10.663 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

Tgt Ion:	330	Resp:	124819
Ion Ratio	Lower	Upper	
330	100		
332	98.1	76.4	114.6
141	41.8	31.1	46.7





#43

2,4,6-Trichlorophenol

Concen: 7.122 ng

RT: 9.116 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

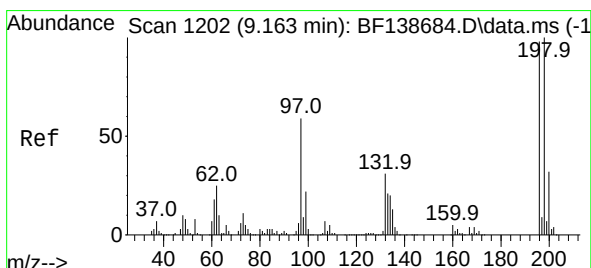
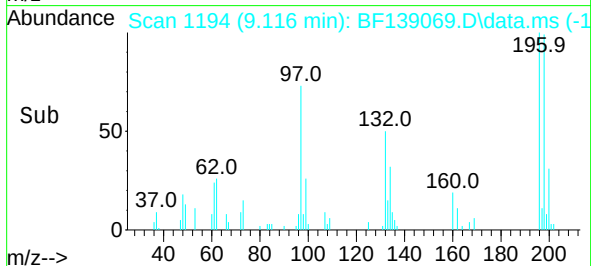
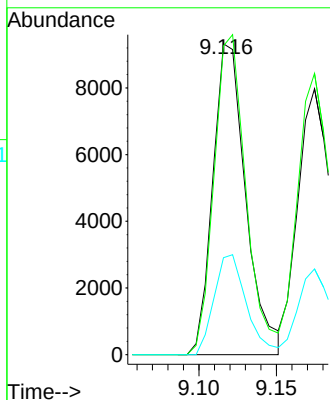
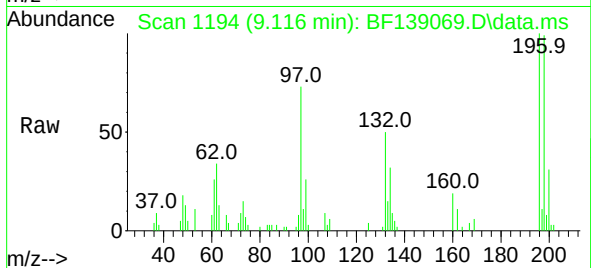
Tgt Ion:196 Resp: 13796

Ion Ratio Lower Upper

196 100

198 99.3 80.5 120.7

200 31.2 25.9 38.9



#44

2,4,5-Trichlorophenol

Concen: 7.147 ng

RT: 9.175 min Scan# 1204

Delta R.T. 0.012 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

Tgt Ion:196 Resp: 15136

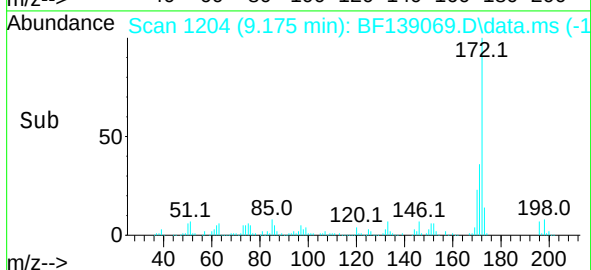
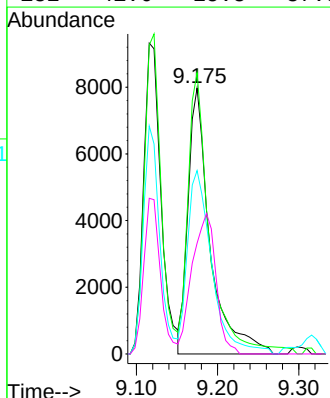
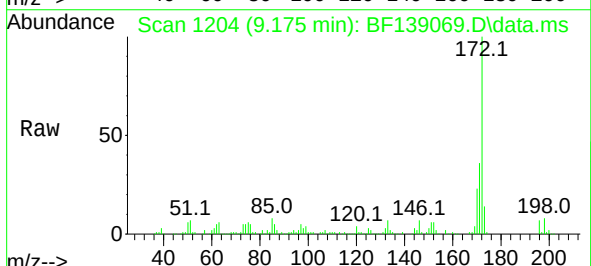
Ion Ratio Lower Upper

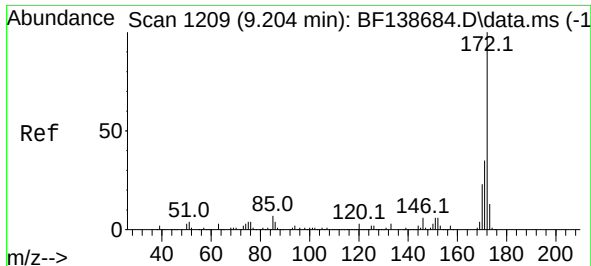
196 100

198 105.8 81.2 121.8

97 68.9 47.8 71.6

132 41.6 25.3 37.9#





#45

2-Fluorobiphenyl

Concen: 89.626 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.012 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

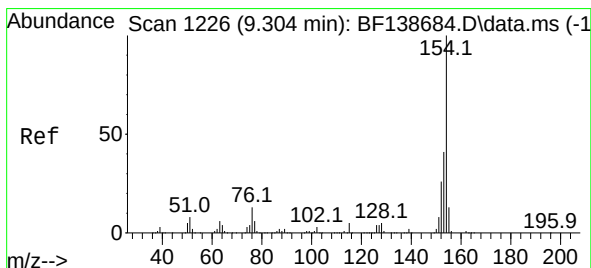
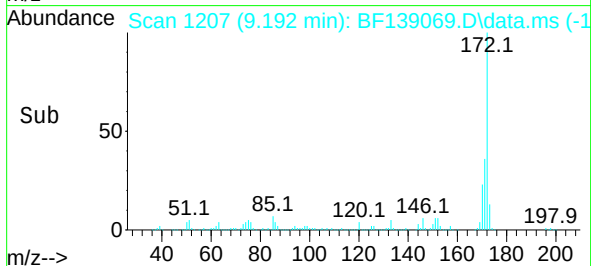
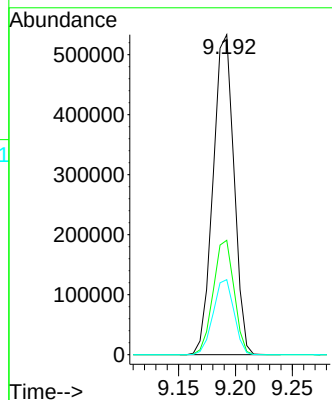
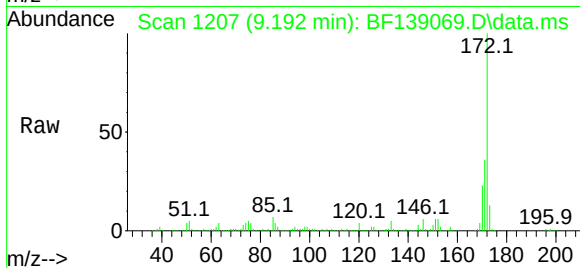
Tgt Ion:172 Resp: 682253

Ion Ratio Lower Upper

172 100

171 35.8 28.3 42.5

170 23.4 18.8 28.2



#46

1,1'-Biphenyl

Concen: 8.244 ng

RT: 9.286 min Scan# 1223

Delta R.T. -0.018 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

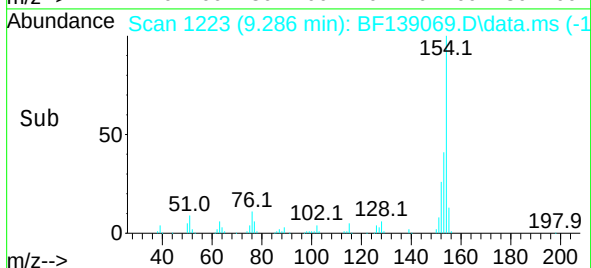
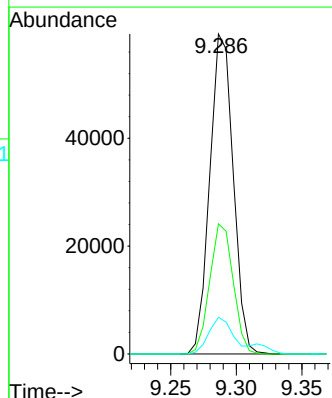
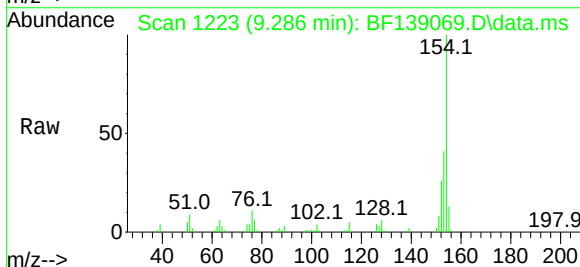
Tgt Ion:154 Resp: 73847

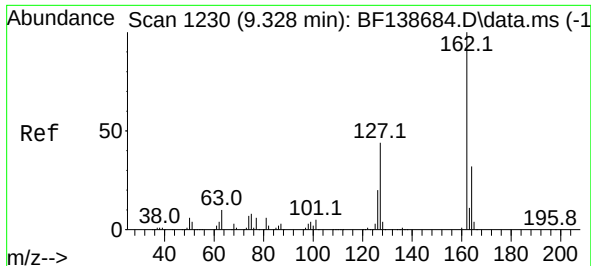
Ion Ratio Lower Upper

154 100

153 40.6 20.8 60.8

76 11.5 0.0 32.8





#47

2-Chloronaphthalene

Concen: 7.890 ng

RT: 9.316 min Scan# 1228

Delta R.T. -0.012 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

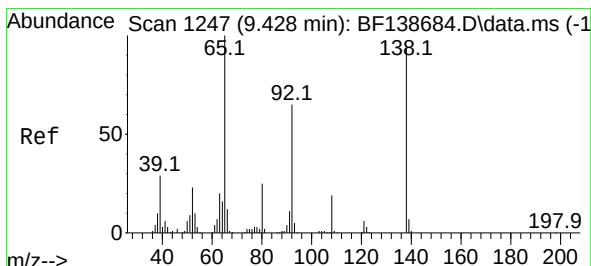
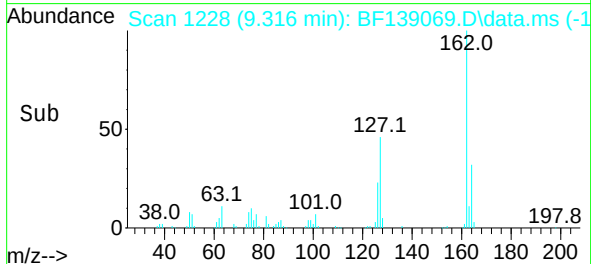
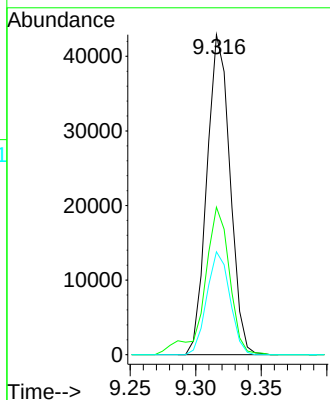
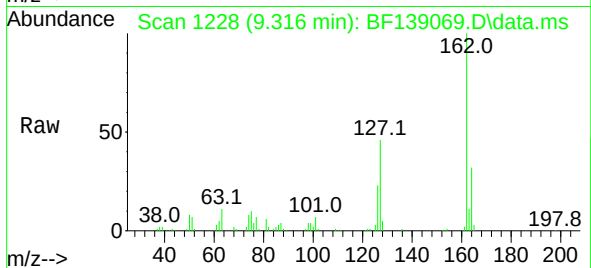
Tgt Ion:162 Resp: 52562

Ion Ratio Lower Upper

162 100

127 46.1 35.4 53.2

164 32.2 25.6 38.4



#48

2-Nitroaniline

Concen: 8.454 ng

RT: 9.422 min Scan# 1246

Delta R.T. -0.006 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

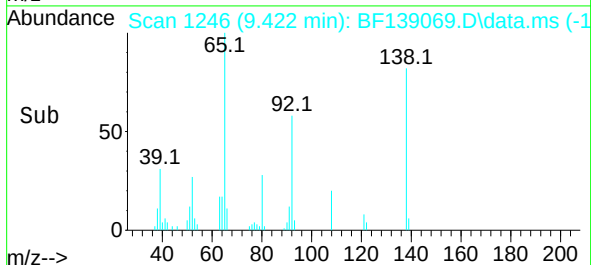
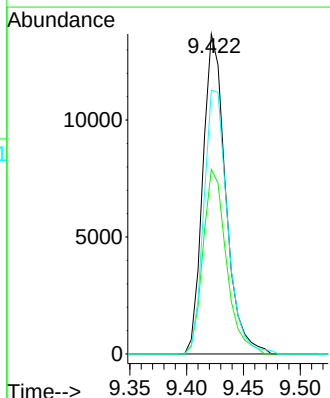
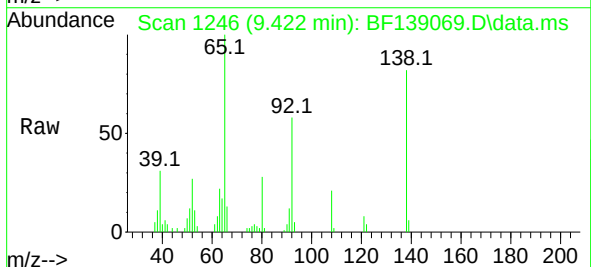
Tgt Ion: 65 Resp: 19093

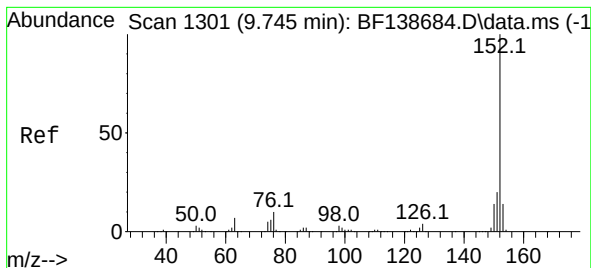
Ion Ratio Lower Upper

65 100

92 57.6 52.0 78.0

138 82.4 76.2 114.4





#49

Acenaphthylene

Concen: 8.641 ng

RT: 9.728 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF139069.D

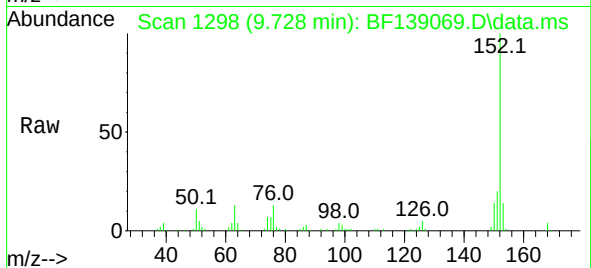
Acq: 19 Aug 2024 11:46

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024



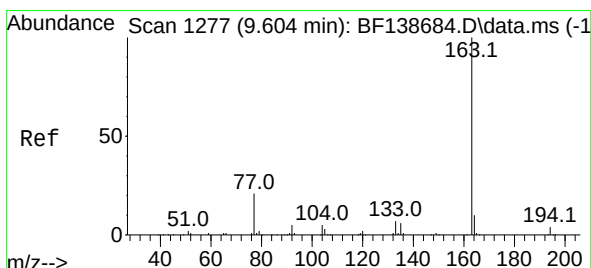
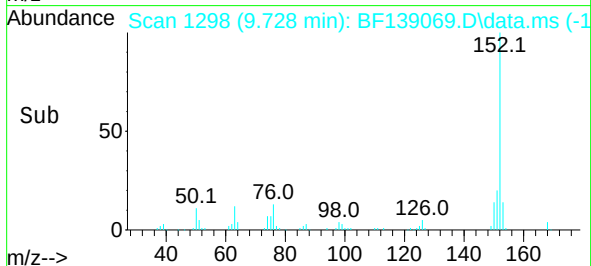
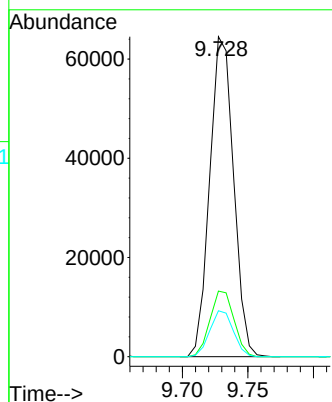
Tgt Ion:152 Resp: 81646

Ion Ratio Lower Upper

152 100

151 20.5 16.0 24.0

153 14.4 11.0 16.4



#50

Dimethylphthalate

Concen: 8.756 ng

RT: 9.586 min Scan# 1274

Delta R.T. -0.018 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

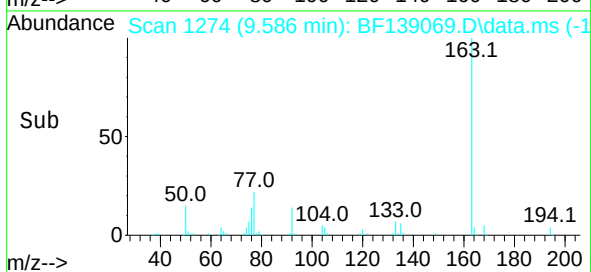
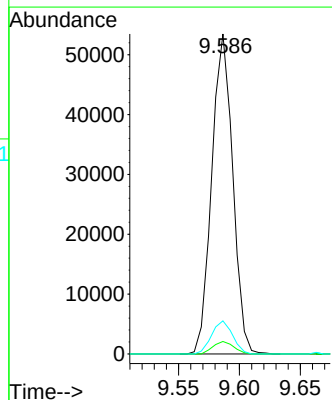
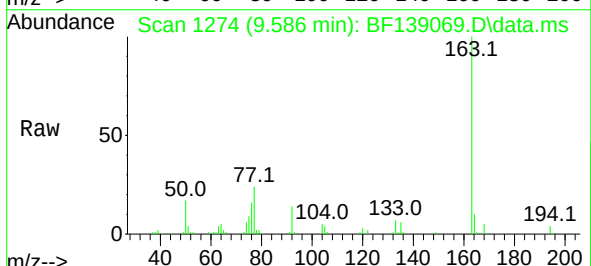
Tgt Ion:163 Resp: 64033

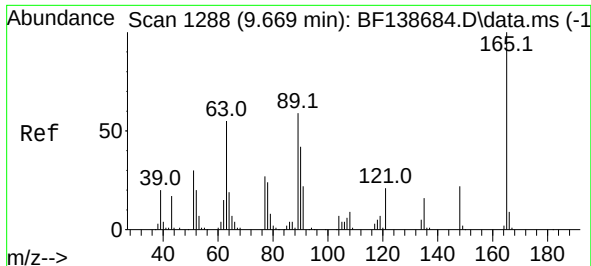
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.3 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 8.080 ng

RT: 9.657 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

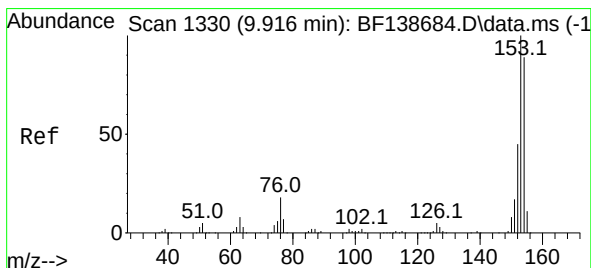
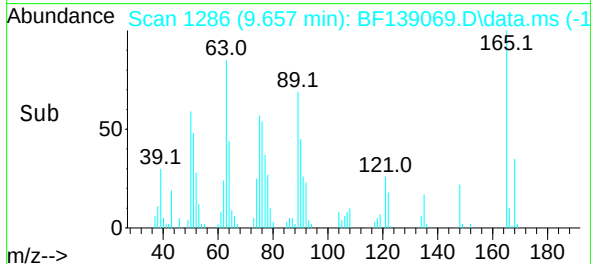
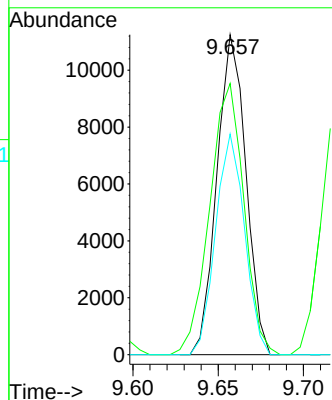
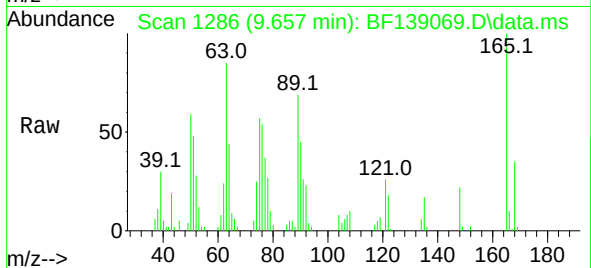
Tgt Ion:165 Resp: 13335

Ion Ratio Lower Upper

165 100

63 84.8 52.0 78.0#

89 69.0 47.0 70.6



#52

Acenaphthene

Concen: 8.031 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.018 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

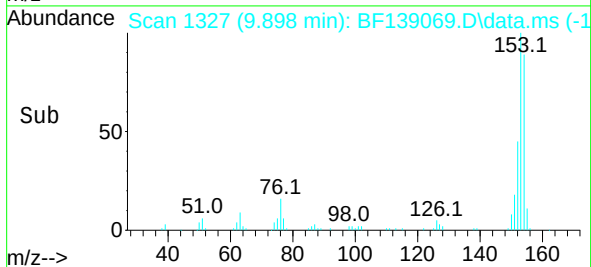
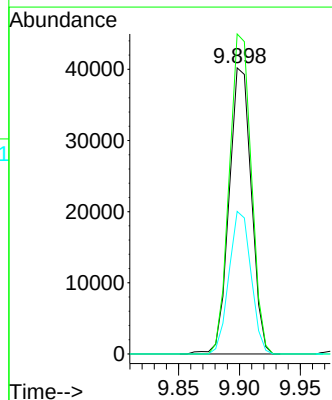
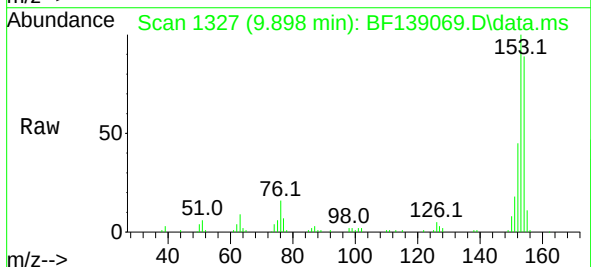
Tgt Ion:154 Resp: 51010

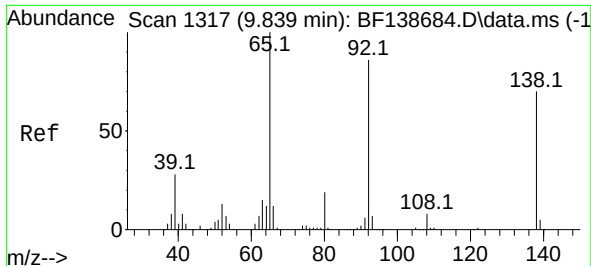
Ion Ratio Lower Upper

154 100

153 111.9 89.9 134.9

152 49.9 40.6 60.8

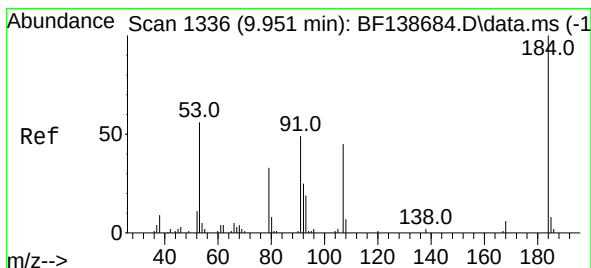
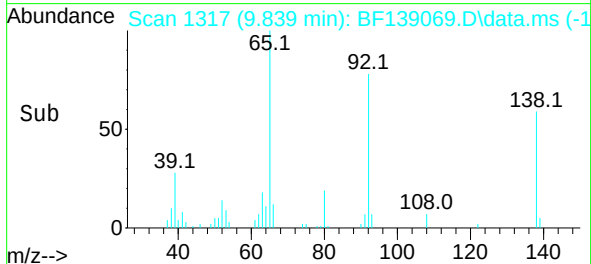
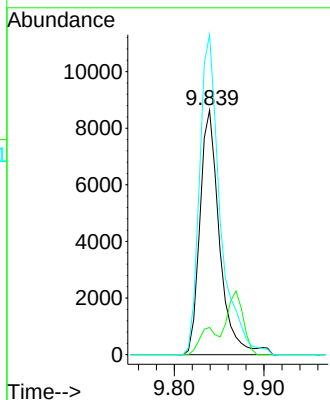
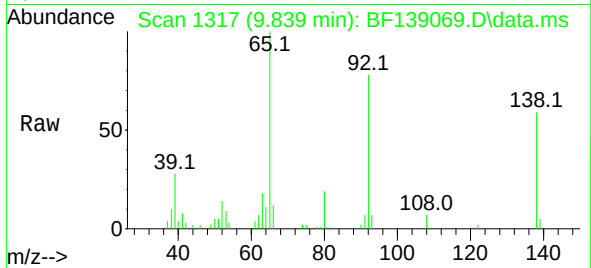




#53
3-Nitroaniline
Concen: 7.680 ng
RT: 9.839 min Scan# 1317
Delta R.T. -0.000 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

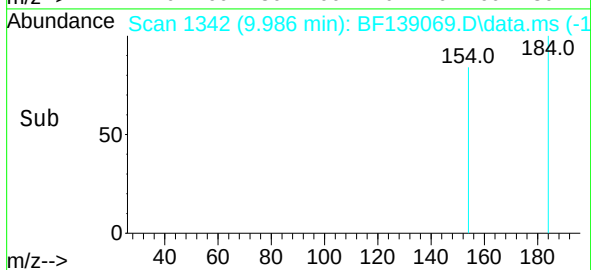
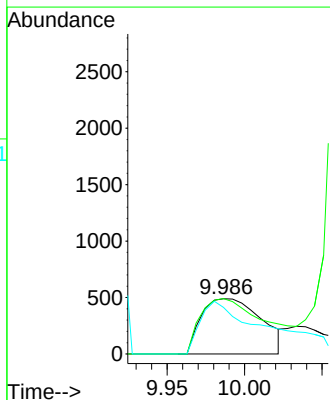
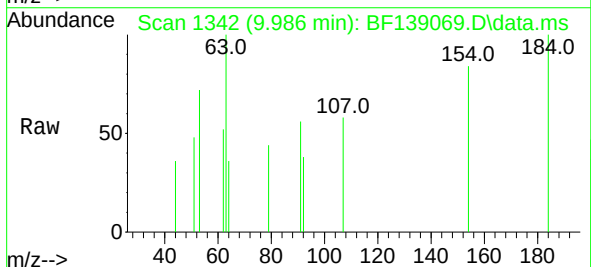
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

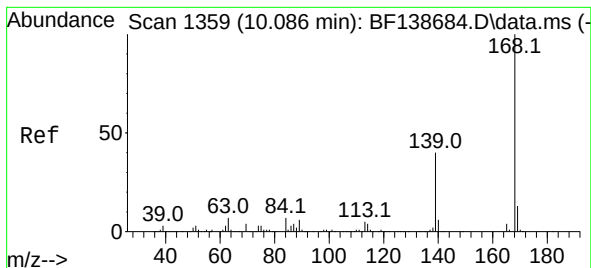
Tgt Ion:138	Resp:	13103
Ion Ratio	Lower	Upper
138	100	
108	11.1	9.1 13.7
92	130.8	98.7 148.1



#54
2,4-Dinitrophenol
Concen: 1.735 ng
RT: 9.986 min Scan# 1342
Delta R.T. 0.035 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

Tgt Ion:184	Resp:	1318
Ion Ratio	Lower	Upper
184	100	
63	100.2	57.5 86.3#
154	84.5	51.7 77.5#





#55

Dibenzenofuran

Concen: 8.537 ng

RT: 10.075 min Scan# 1357

Delta R.T. -0.012 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

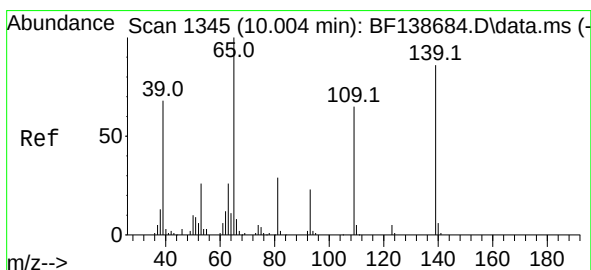
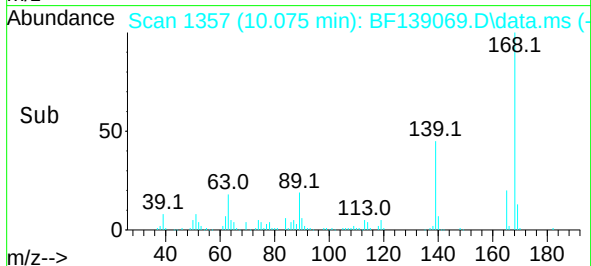
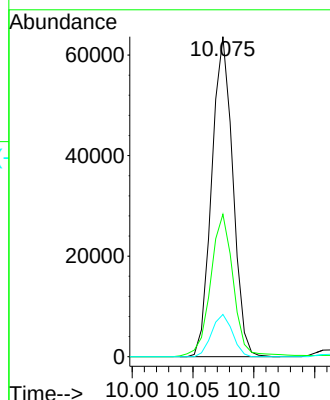
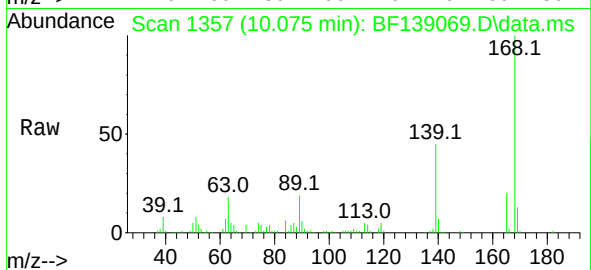
Tgt Ion:168 Resp: 76538

Ion Ratio Lower Upper

168 100

139 44.5 32.6 49.0

169 13.2 10.7 16.1



#56

4-Nitrophenol

Concen: 36.195 ng

RT: 10.075 min Scan# 1357

Delta R.T. 0.071 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

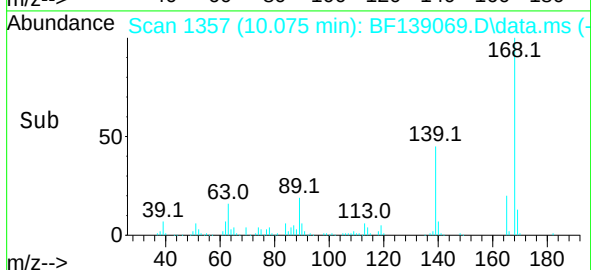
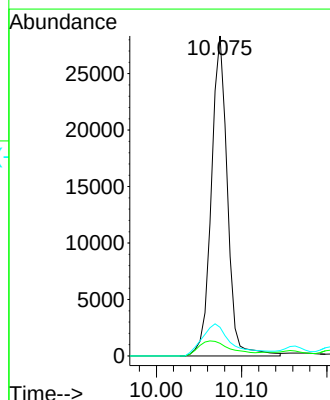
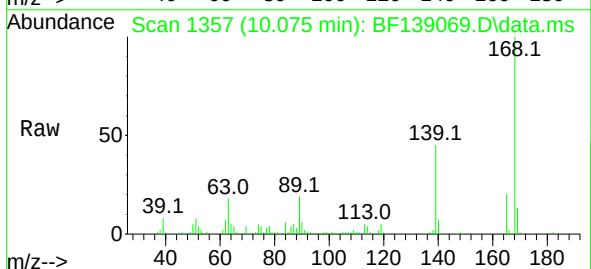
Tgt Ion:139 Resp: 37137

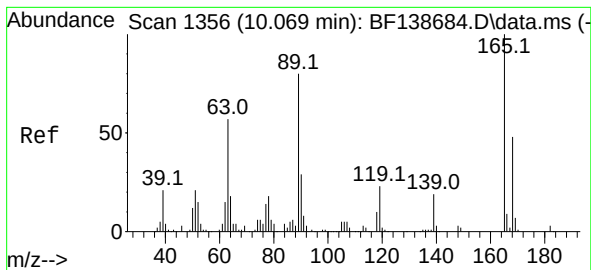
Ion Ratio Lower Upper

139 100

109 3.9 55.5 95.5#

65 8.9 96.7 136.7#

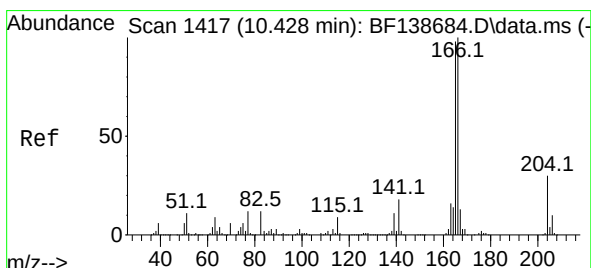
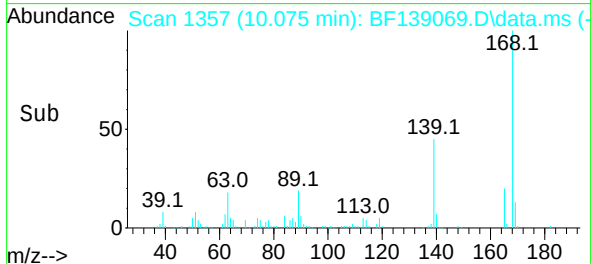
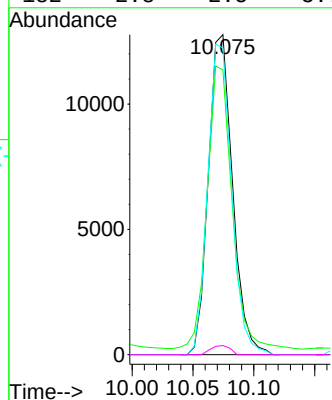
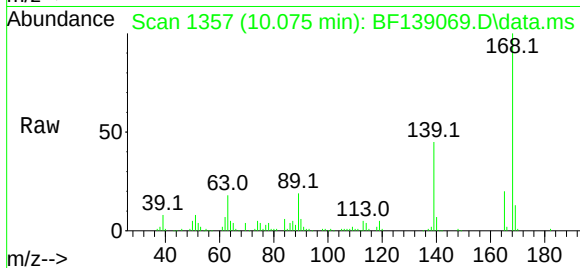




#57
2,4-Dinitrotoluene
Concen: 8.389 ng
RT: 10.075 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

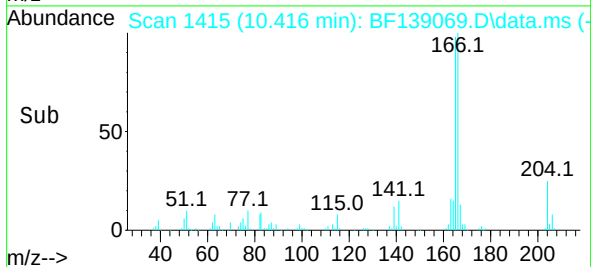
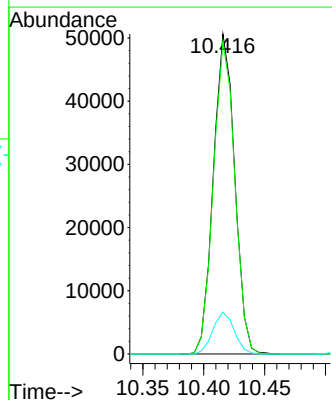
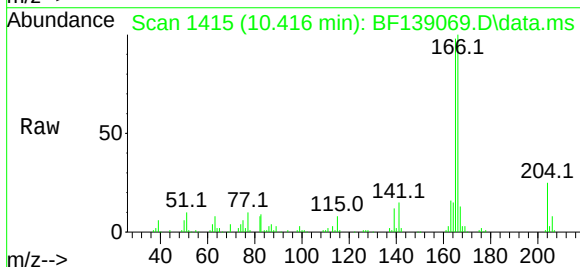
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

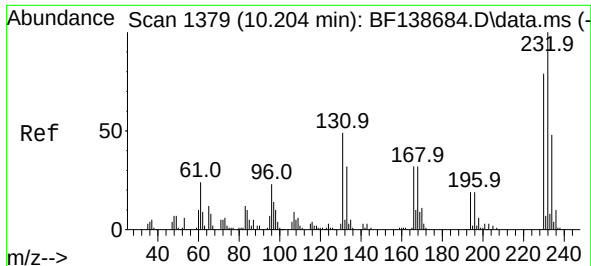
Tgt Ion:	165	Resp:	17665
Ion Ratio	Lower	Upper	
165	100		
63	89.0	46.3	69.5#
89	95.9	64.2	96.4
182	2.8	2.5	3.7



#58
Fluorene
Concen: 8.618 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

Tgt Ion:	166	Resp:	61530
Ion Ratio	Lower	Upper	
166	100		
165	97.5	78.4	117.6
167	13.1	10.6	16.0





#59

2,3,4,6-Tetrachlorophenol

Concen: 6.614 ng

RT: 10.204 min Scan# 1379

Delta R.T. -0.000 min

Lab File: BF139069.D

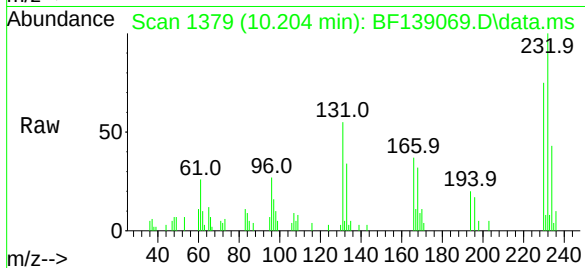
Acq: 19 Aug 2024 11:46

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024



Tgt Ion:232 Resp: 10708

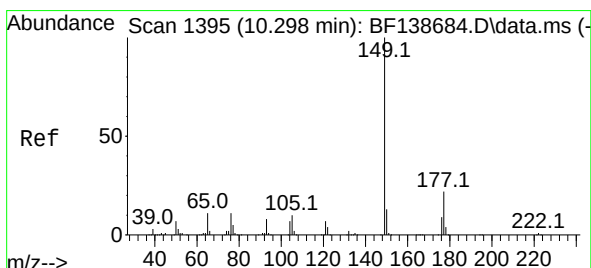
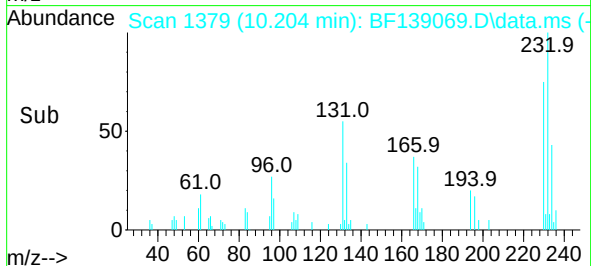
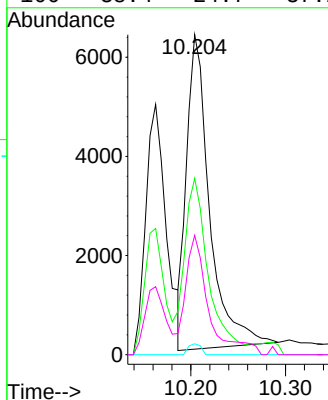
Ion Ratio Lower Upper

232 100

131 53.6 37.0 55.4

130 1.9 2.0 3.0#

166 38.4 24.7 37.1#



#60

Diethylphthalate

Concen: 8.879 ng

RT: 10.286 min Scan# 1393

Delta R.T. -0.012 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

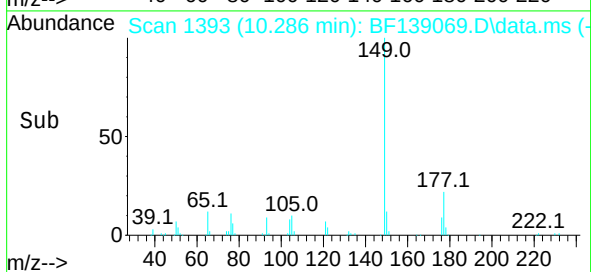
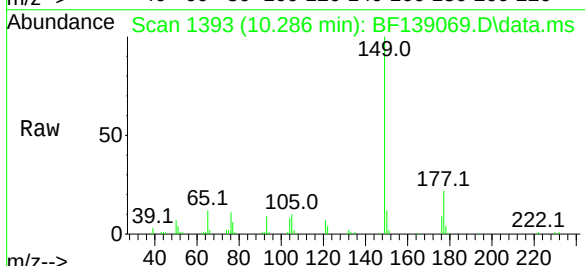
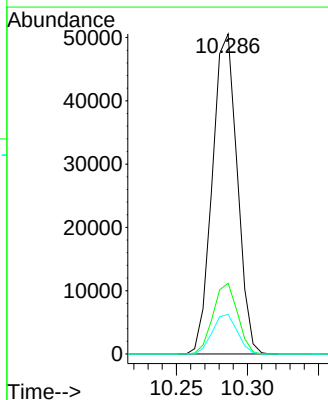
Tgt Ion:149 Resp: 61568

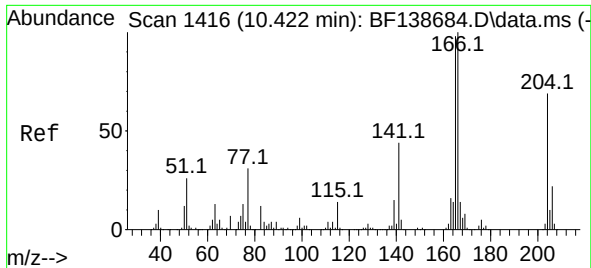
Ion Ratio Lower Upper

149 100

177 22.1 17.8 26.8

150 12.3 10.1 15.1





#61

4-Chlorophenyl-phenylether

Concen: 8.491 ng

RT: 10.404 min Scan# 1413

Delta R.T. -0.018 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

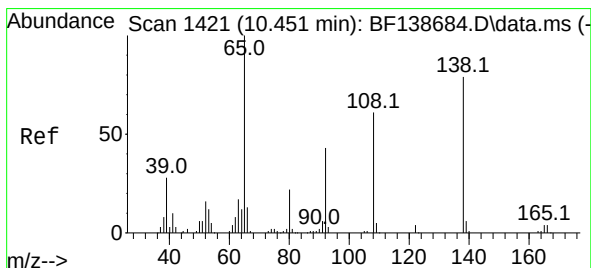
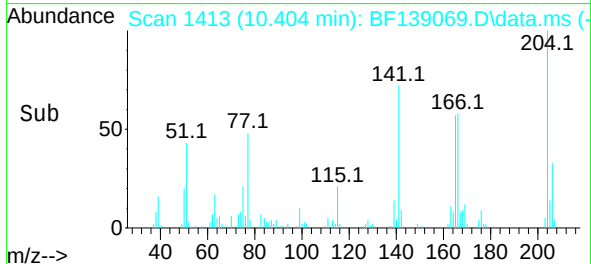
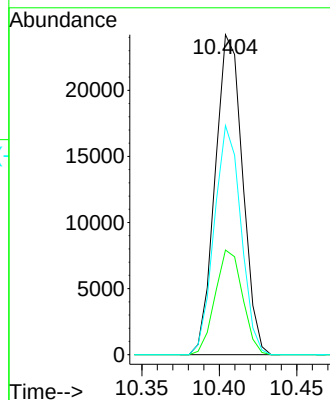
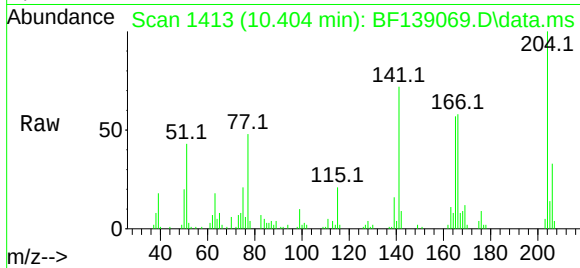
Tgt Ion:204 Resp: 29818

Ion Ratio Lower Upper

204 100

206 32.7 26.1 39.1

141 71.6 51.4 77.0



#62

4-Nitroaniline

Concen: 7.545 ng

RT: 10.451 min Scan# 1421

Delta R.T. -0.000 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

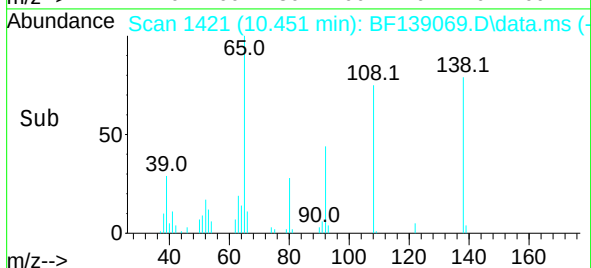
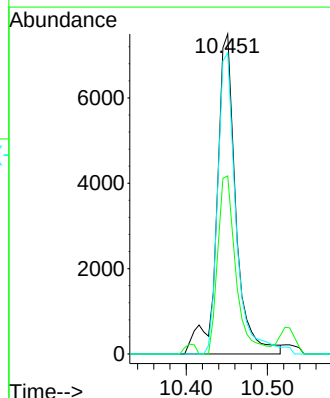
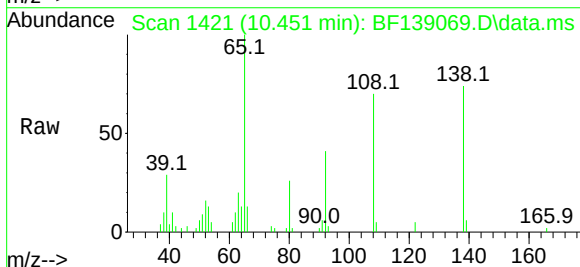
Tgt Ion:138 Resp: 12233

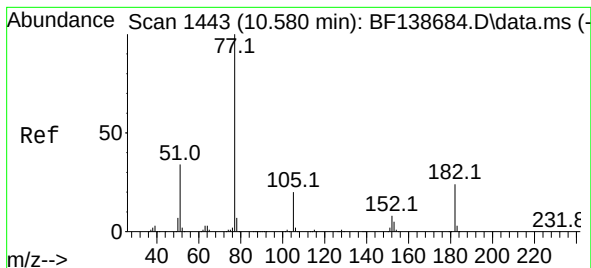
Ion Ratio Lower Upper

138 100

92 55.6 34.2 74.2

108 94.0 56.2 96.2





#63

Azobenzene

Concen: 8.713 ng

RT: 10.569 min Scan# 1441

Delta R.T. -0.012 min

Lab File: BF139069.D

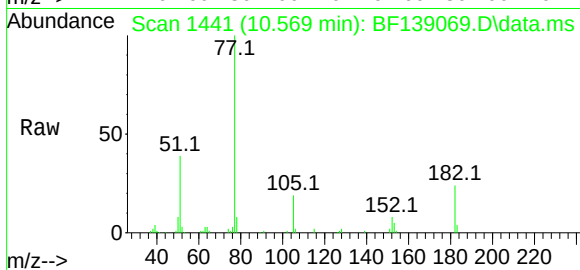
Acq: 19 Aug 2024 11:46

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024



Tgt Ion: 77 Resp: 67012

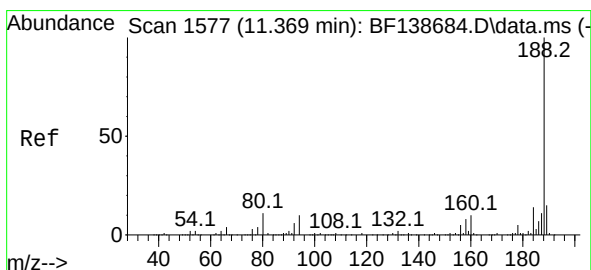
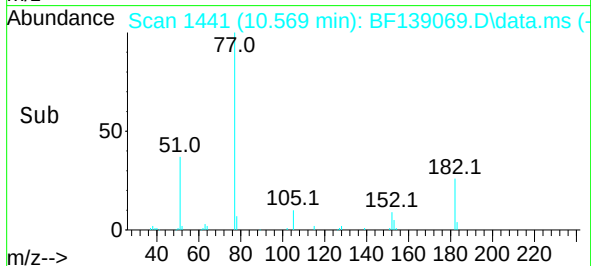
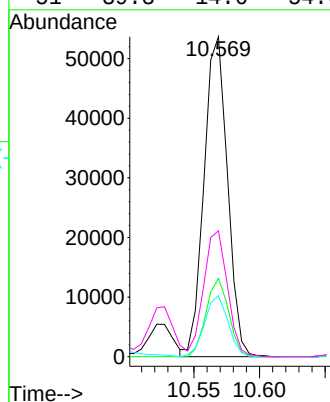
Ion Ratio Lower Upper

77 100

182 24.5 3.4 43.4

105 19.0 0.2 40.2

51 39.3 14.6 54.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1575

Delta R.T. -0.012 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

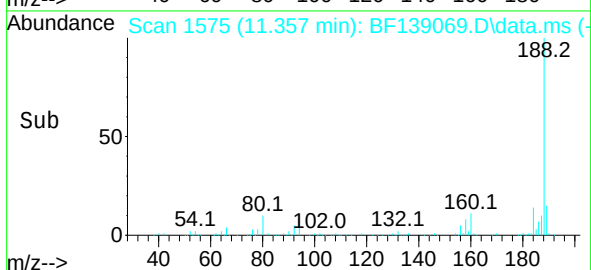
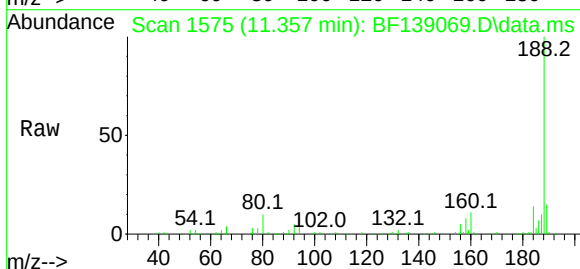
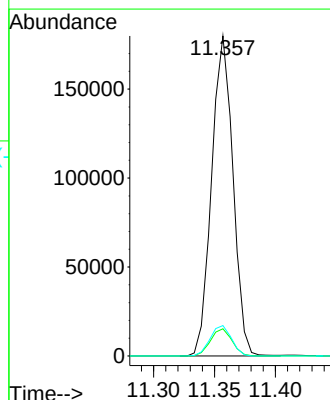
Tgt Ion:188 Resp: 219070

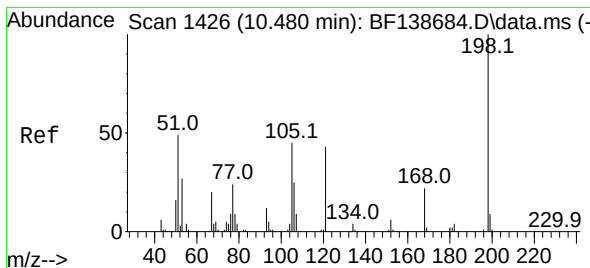
Ion Ratio Lower Upper

188 100

94 8.5 7.6 11.4

80 9.5 8.6 12.8

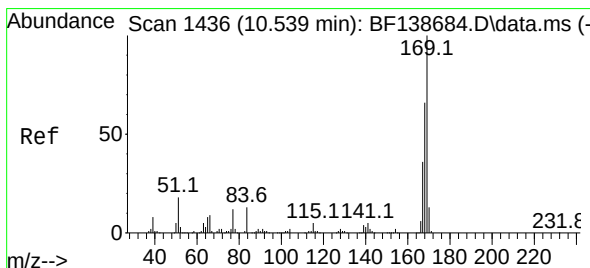
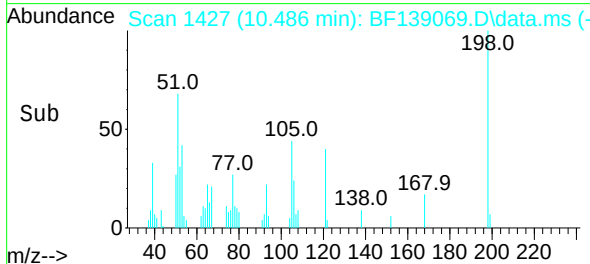
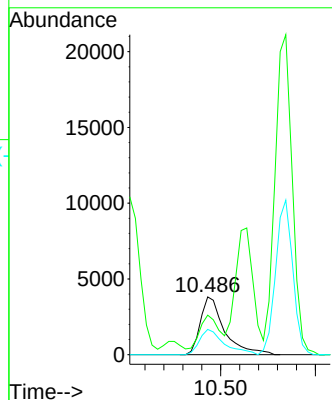
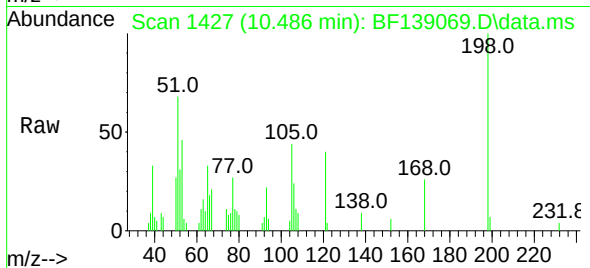




#65
4,6-Dinitro-2-methylphenol
Concen: 5.022 ng
RT: 10.486 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

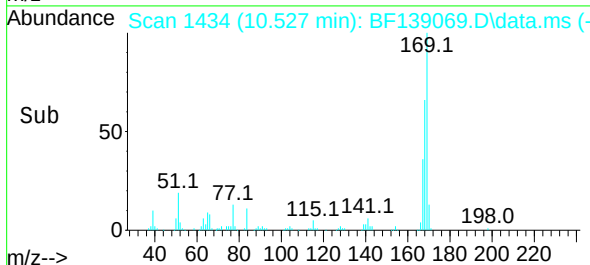
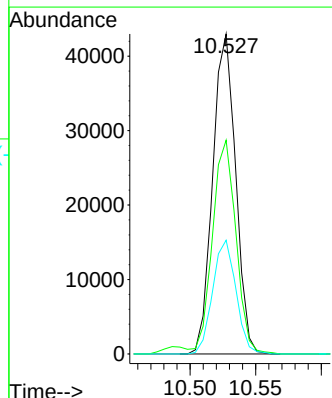
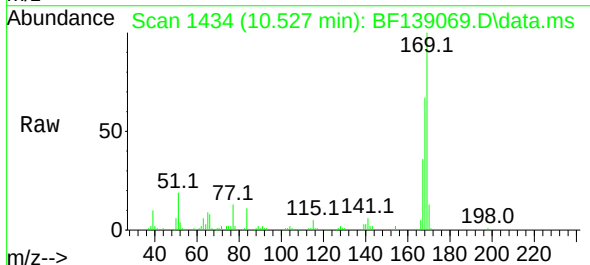
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

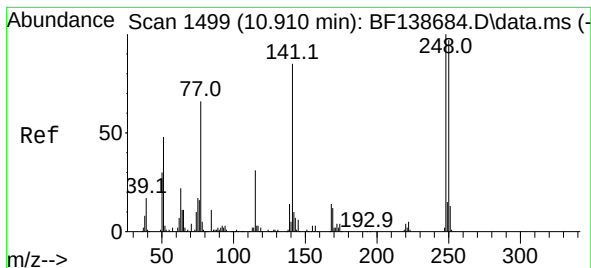
Tgt Ion:198 Resp: 6712
Ion Ratio Lower Upper
198 100
51 68.4 39.9 79.9
105 43.8 26.1 66.1



#66
n-Nitrosodiphenylamine
Concen: 7.631 ng
RT: 10.527 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

Tgt Ion:169 Resp: 52253
Ion Ratio Lower Upper
169 100
168 66.8 53.0 79.6
167 35.5 29.0 43.6

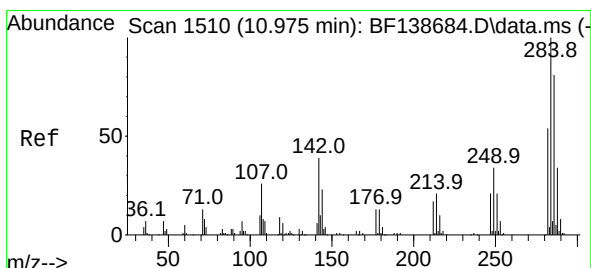
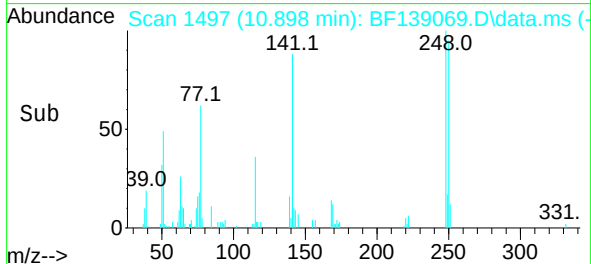
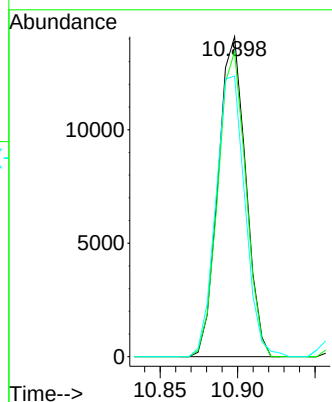
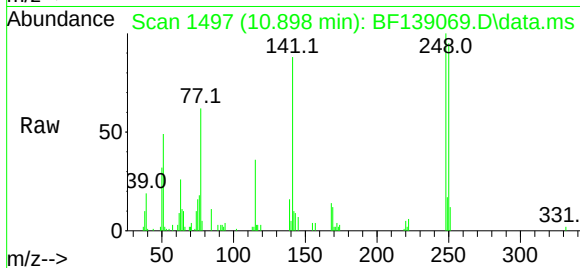




#67
4-Bromophenyl-phenylether
Concen: 7.356 ng
RT: 10.898 min Scan# 1499
Delta R.T. -0.012 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

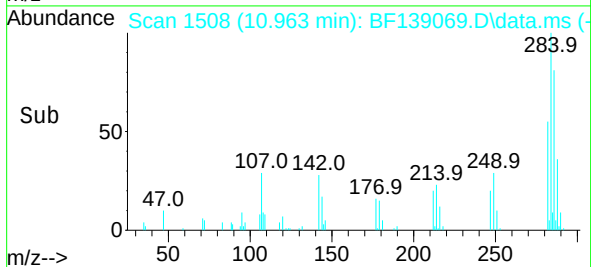
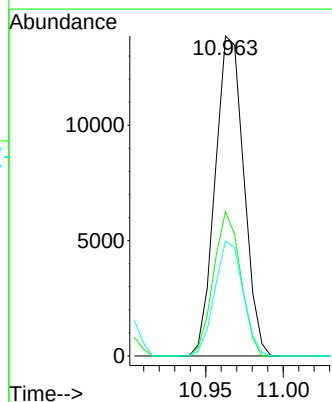
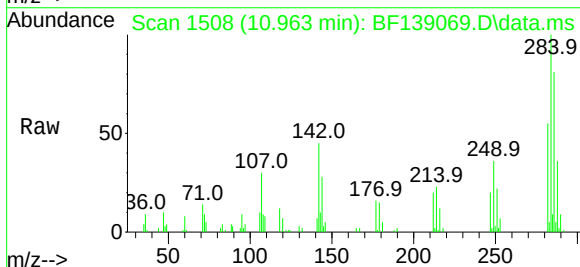
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

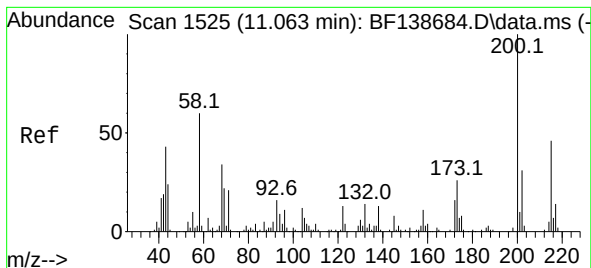
Tgt Ion:248 Resp: 17448
Ion Ratio Lower Upper
248 100
250 95.3 77.7 116.5
141 87.7 68.0 102.0



#68
Hexachlorobenzene
Concen: 7.268 ng
RT: 10.963 min Scan# 1508
Delta R.T. -0.012 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

Tgt Ion:284 Resp: 17799
Ion Ratio Lower Upper
284 100
142 45.1 31.3 46.9
249 35.9 27.2 40.8





#69

Atrazine

Concen: 10.487 ng

RT: 11.051 min Scan# 1523

Delta R.T. -0.012 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

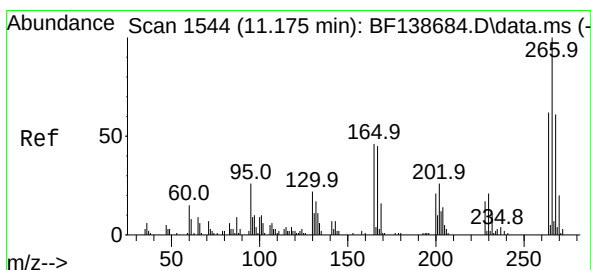
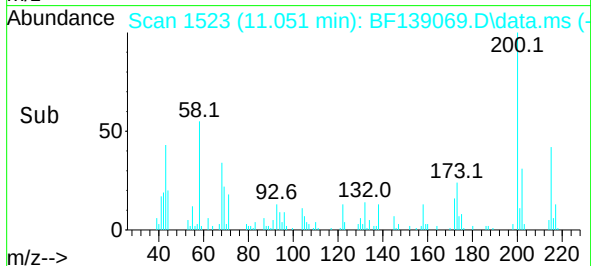
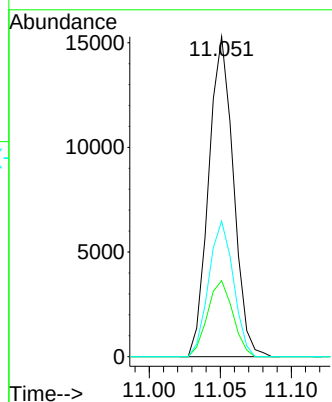
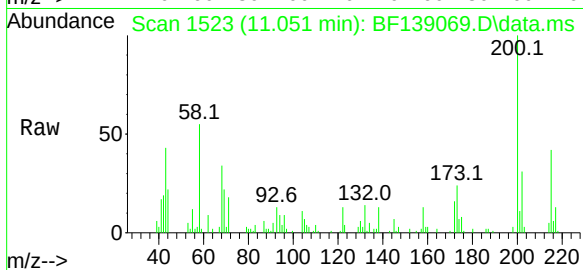
Tgt Ion:200 Resp: 18528

Ion Ratio Lower Upper

200 100

173 23.8 6.0 46.0

215 42.3 26.1 66.1



#70

Pentachlorophenol

Concen: 1.098 ng

RT: 11.186 min Scan# 1546

Delta R.T. 0.011 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

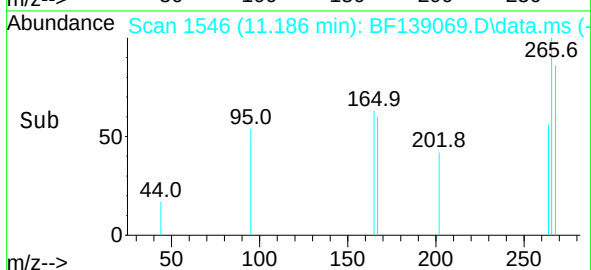
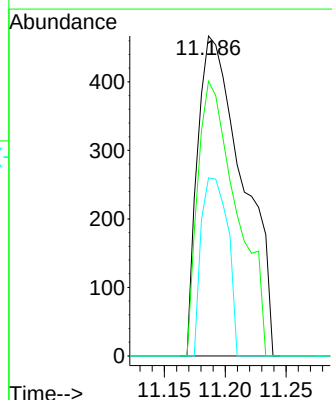
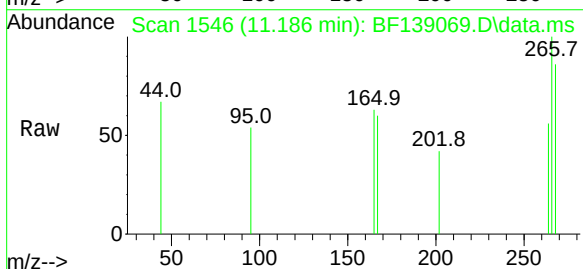
Tgt Ion:266 Resp: 1212

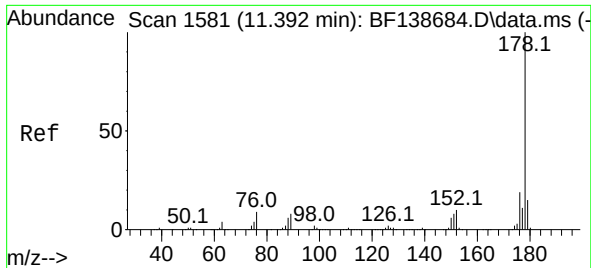
Ion Ratio Lower Upper

266 100

268 85.9 49.2 73.8#

264 55.7 49.8 74.6

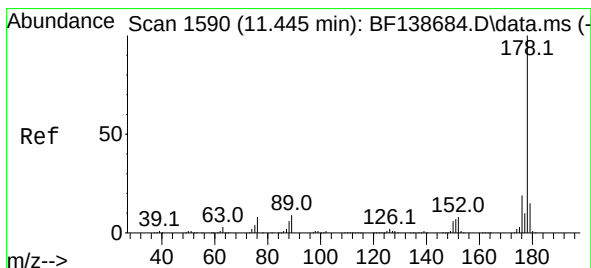
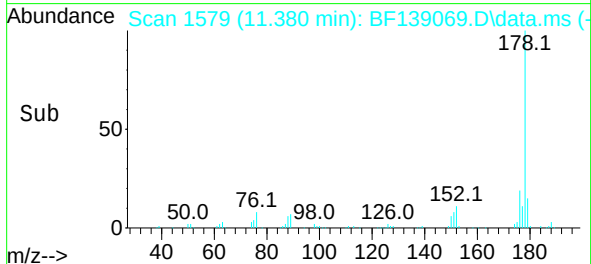
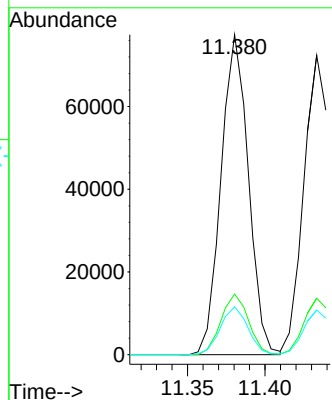
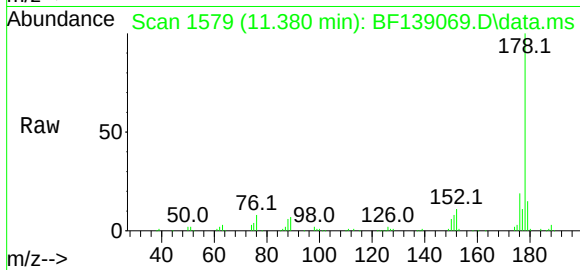




#71
Phenanthrene
Concen: 8.416 ng
RT: 11.380 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

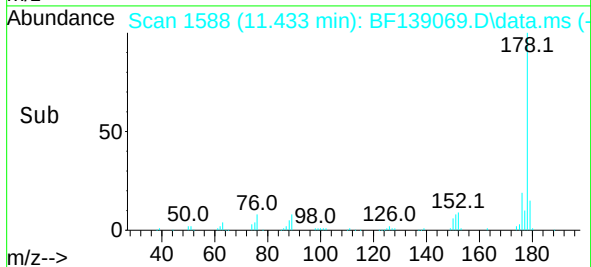
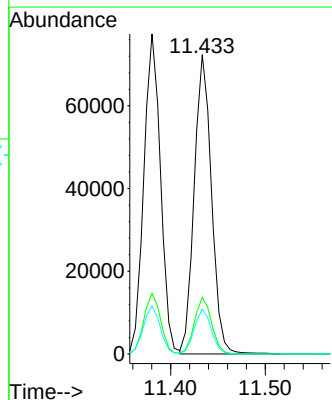
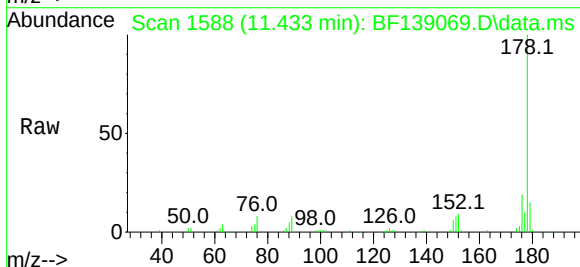
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

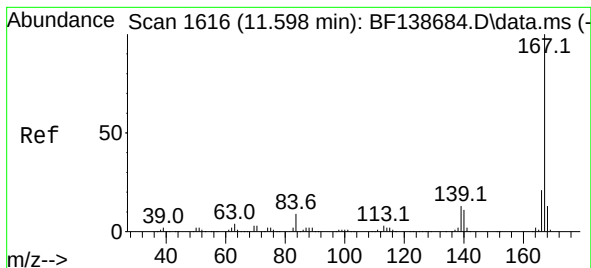
Tgt Ion:178 Resp: 94934
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.0 12.2 18.2



#72
Anthracene
Concen: 8.265 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

Tgt Ion:178 Resp: 91844
Ion Ratio Lower Upper
178 100
176 18.9 14.9 22.3
179 14.9 12.4 18.6





#73

Carbazole

Concen: 7.556 ng

RT: 11.598 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139069.D

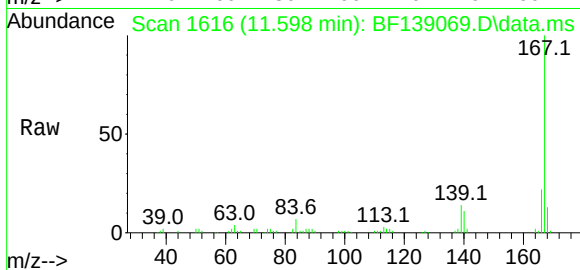
Acq: 19 Aug 2024 11:46

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024



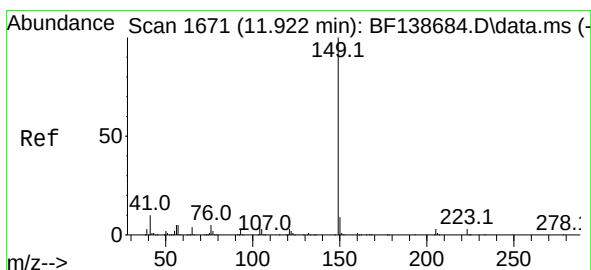
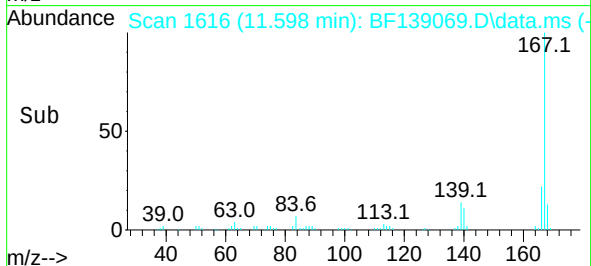
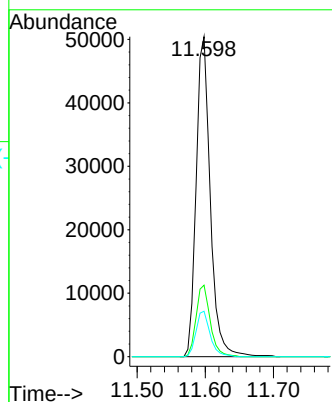
Tgt Ion:167 Resp: 72444

Ion Ratio Lower Upper

167 100

166 22.3 17.2 25.8

139 14.2 10.6 16.0



#74

Di-n-butylphthalate

Concen: 8.910 ng

RT: 11.910 min Scan# 1669

Delta R.T. -0.012 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

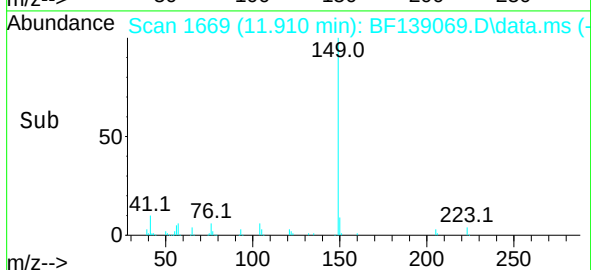
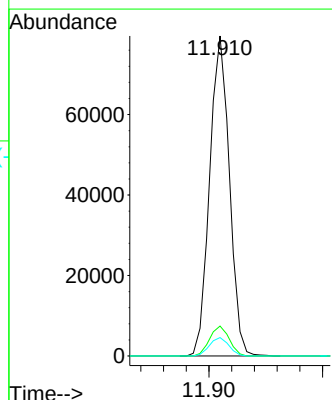
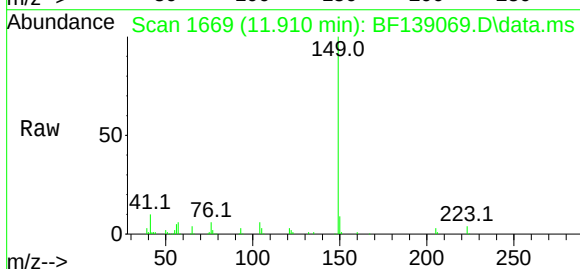
Tgt Ion:149 Resp: 96026

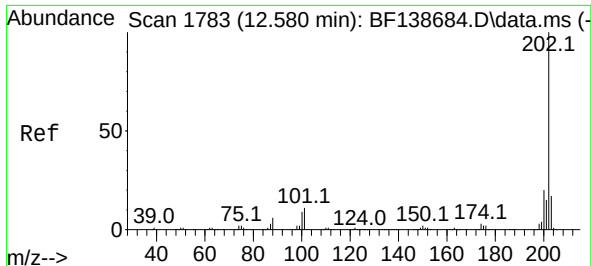
Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.0

104 5.8 4.1 6.1

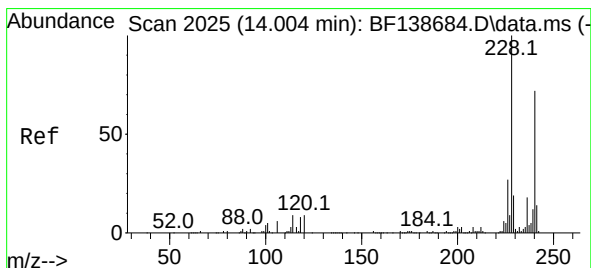
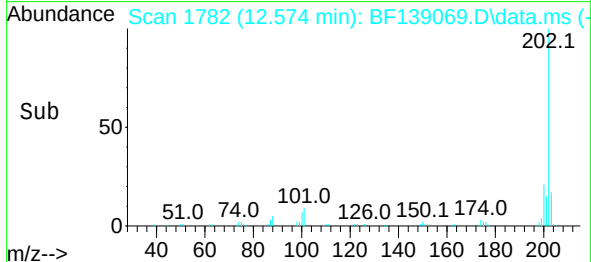
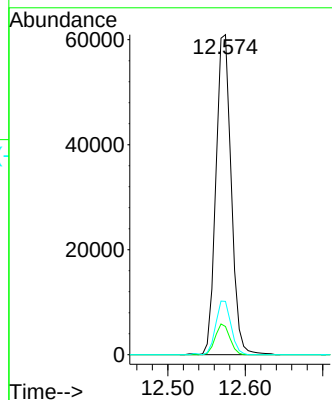
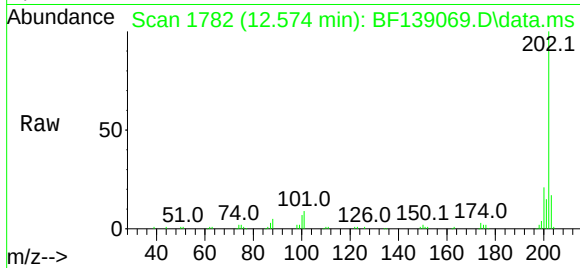




#75
Fluoranthene
Concen: 7.920 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

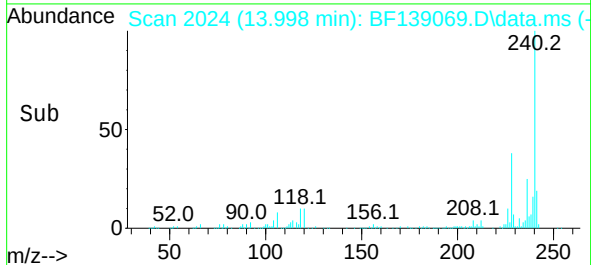
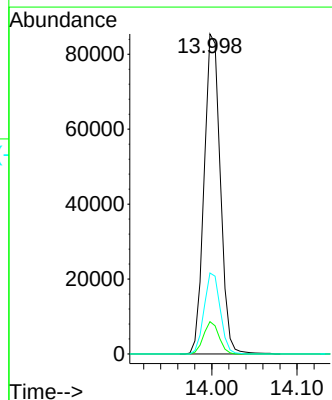
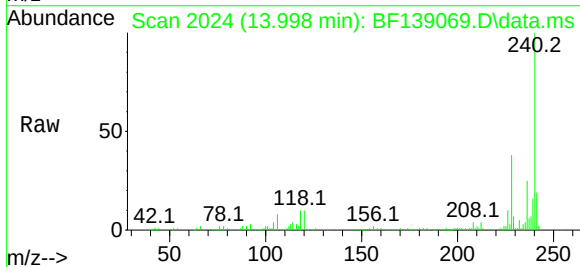
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

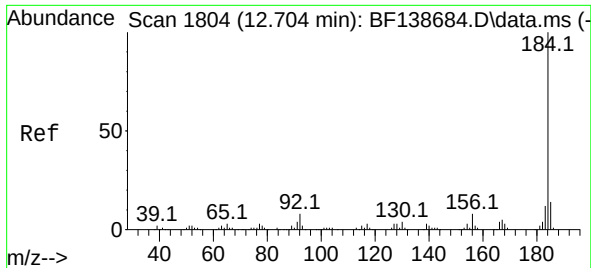
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	31.2
203	16.6	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.1	10.2	15.4#
236	25.3	19.8	29.8

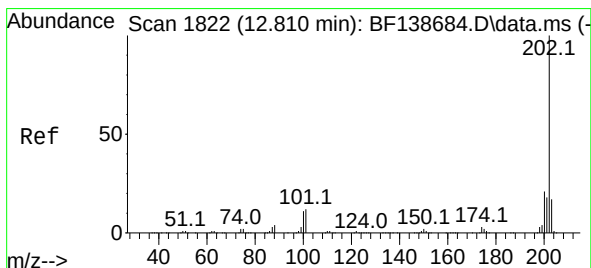
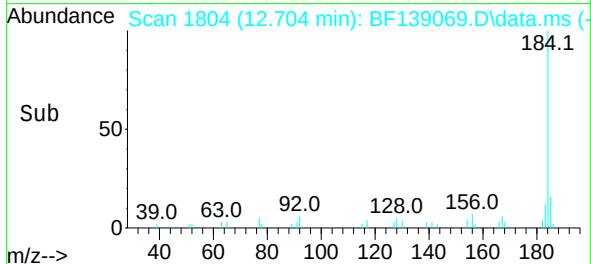
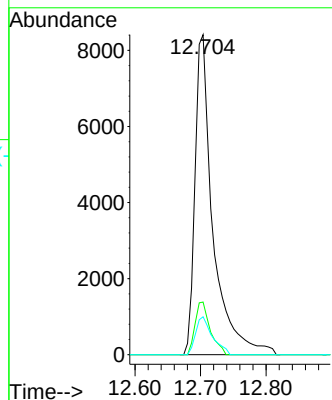
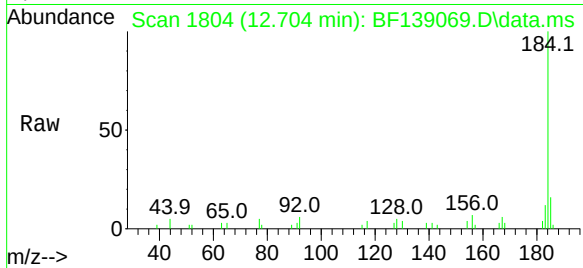




#77
Benzidine
Concen: 5.951 ng
RT: 12.704 min Scan# 1804
Delta R.T. -0.000 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

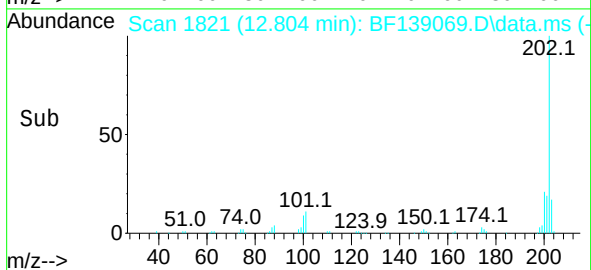
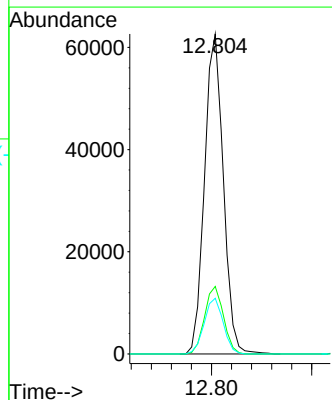
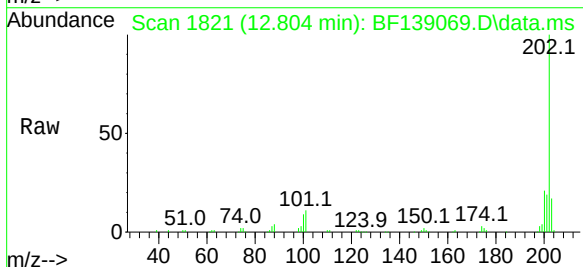
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

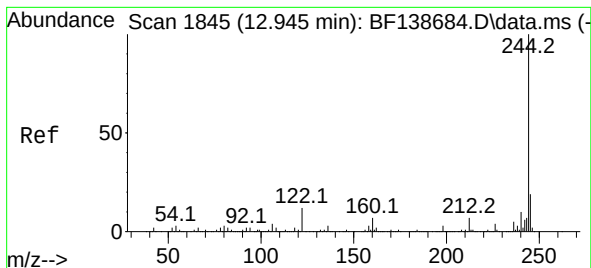
Tgt Ion:184 Resp: 16030
Ion Ratio Lower Upper
184 100
185 16.5 11.1 16.7
183 11.9 9.6 14.4



#78
Pyrene
Concen: 7.710 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

Tgt Ion:202 Resp: 81758
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 17.4 13.8 20.6





#79

Terphenyl-d14

Concen: 92.710 ng

RT: 12.939 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF139069.D

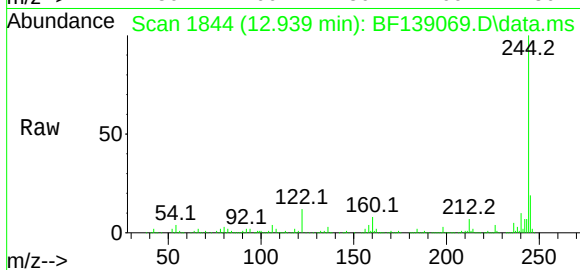
Acq: 19 Aug 2024 11:46

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024



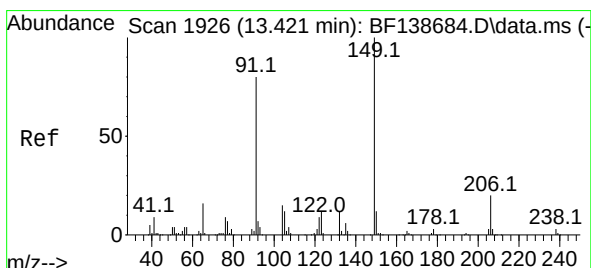
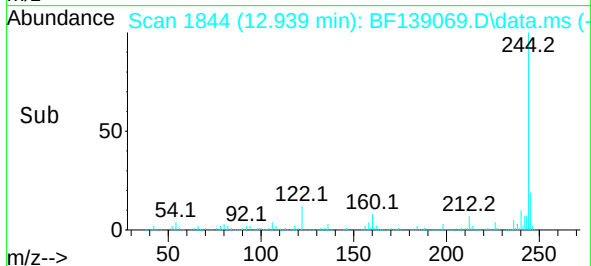
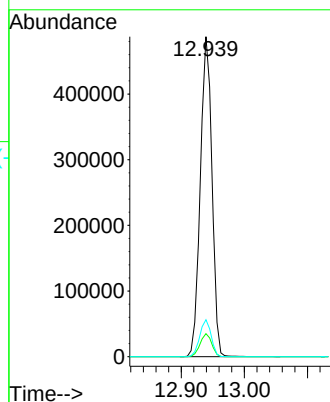
Tgt Ion:244 Resp: 623643

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.2

122 11.5 9.6 14.4



#80

Butylbenzylphthalate

Concen: 9.033 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.012 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

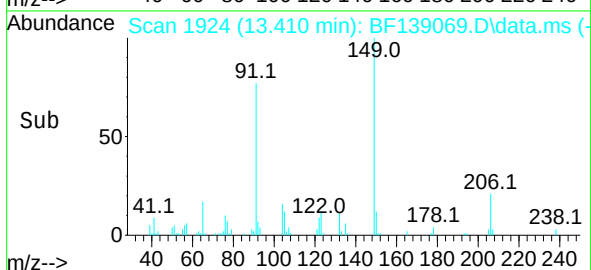
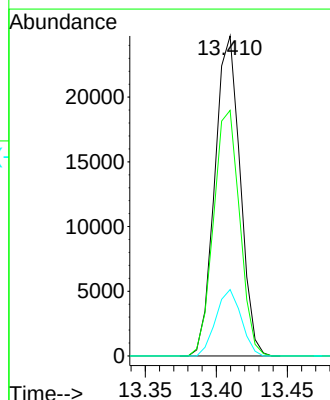
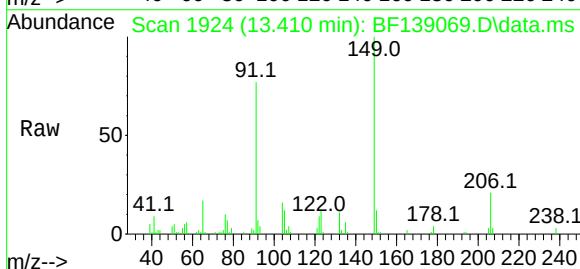
Tgt Ion:149 Resp: 30674

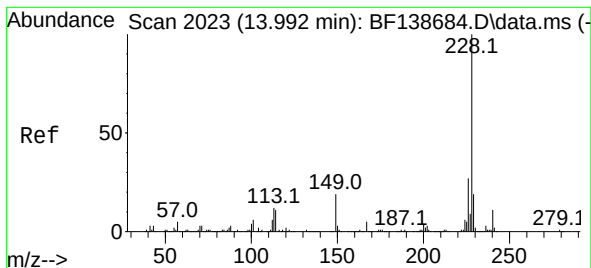
Ion Ratio Lower Upper

149 100

91 76.8 63.7 95.5

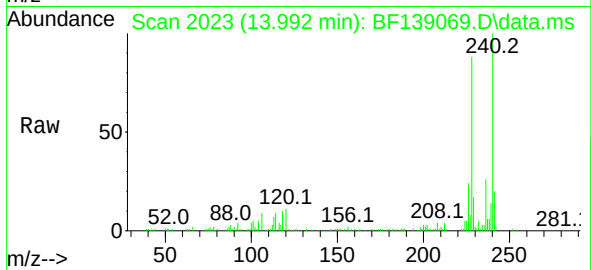
206 20.7 16.2 24.2



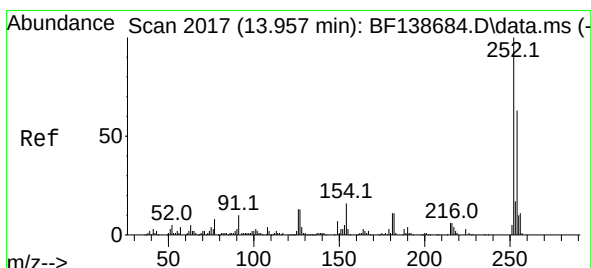
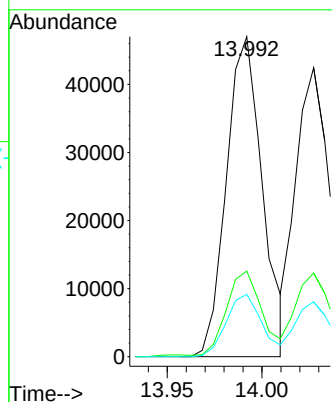
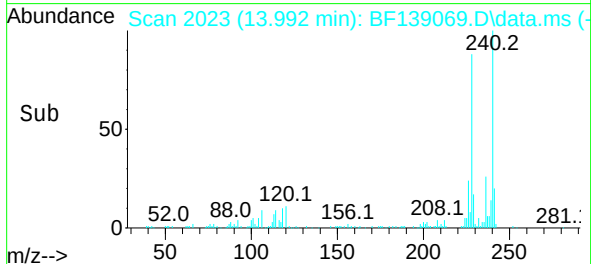


#81
Benzo(a)anthracene
Concen: 7.999 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46

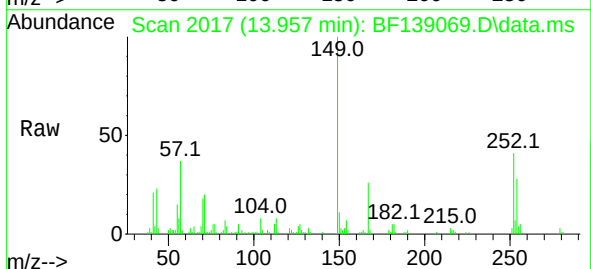
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT3-2024



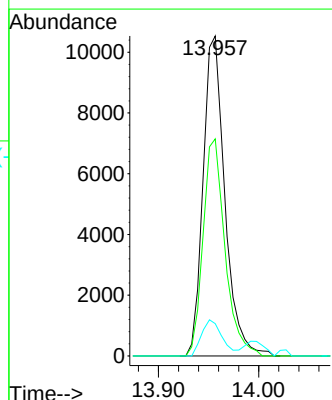
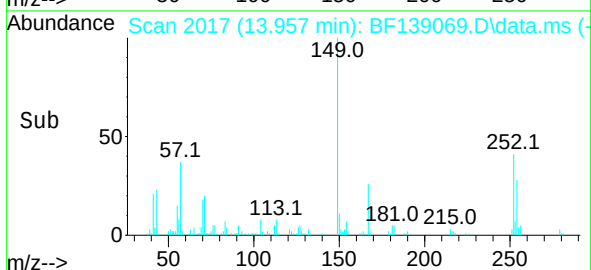
Tgt Ion:228 Resp: 62040
Ion Ratio Lower Upper
228 100
226 26.7 22.1 33.1
229 19.5 15.4 23.0

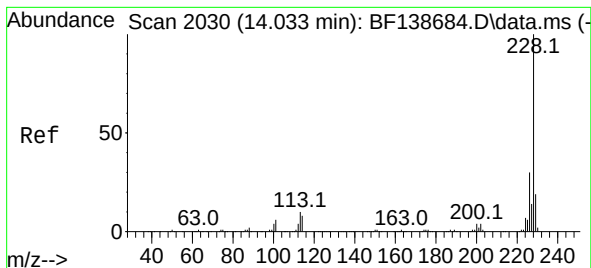


#82
3,3'-Dichlorobenzidine
Concen: 8.022 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF139069.D
Acq: 19 Aug 2024 11:46



Tgt Ion:252 Resp: 15921
Ion Ratio Lower Upper
252 100
254 67.9 50.8 76.2
126 10.1 10.2 15.2#





#83

Chrysene

Concen: 7.765 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

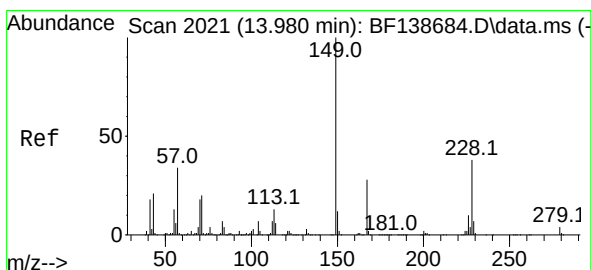
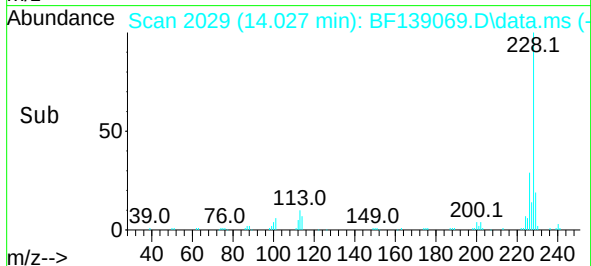
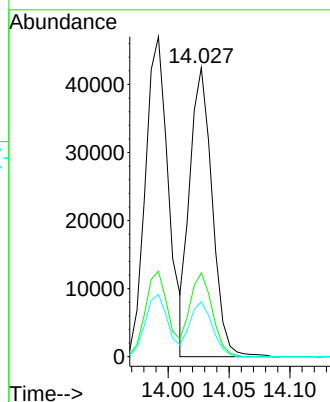
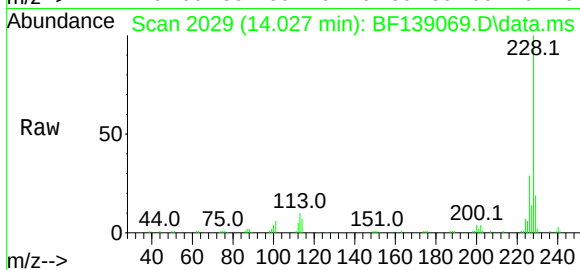
Tgt Ion:228 Resp: 54334

Ion Ratio Lower Upper

228 100

226 29.0 23.7 35.5

229 19.0 15.0 22.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.326 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.018 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

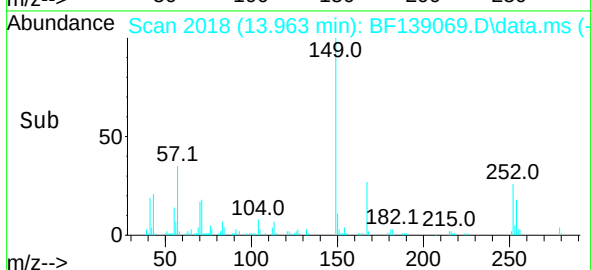
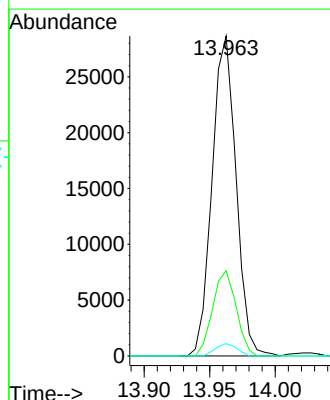
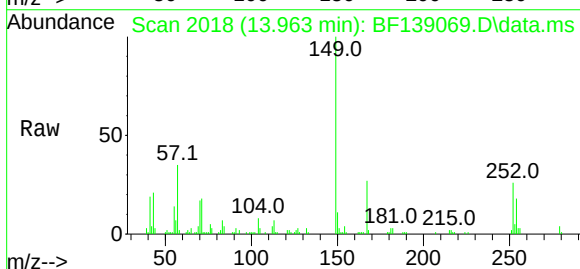
Tgt Ion:149 Resp: 36429

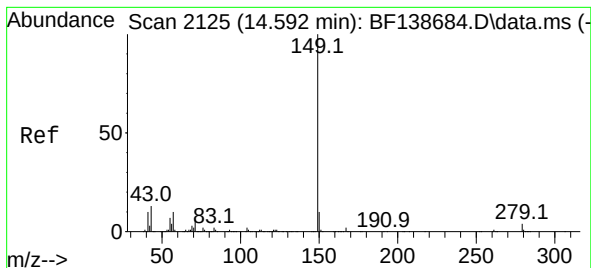
Ion Ratio Lower Upper

149 100

167 26.6 22.2 33.4

279 3.8 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 5.242 ng

RT: 14.574 min Scan# 2125

Delta R.T. -0.018 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

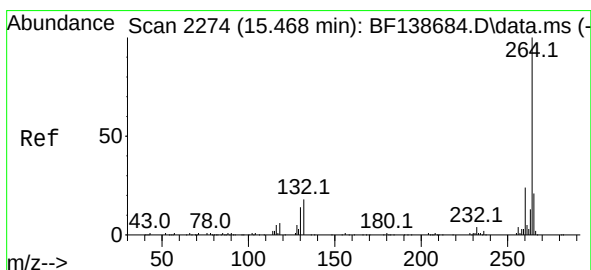
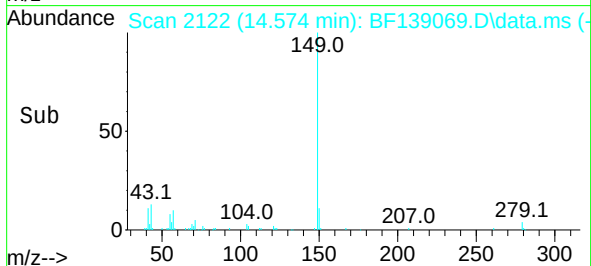
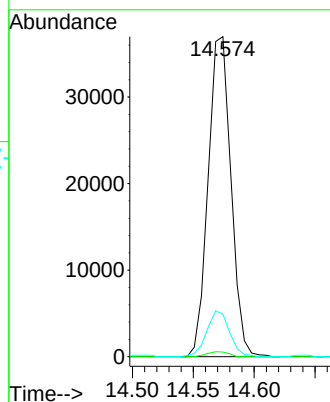
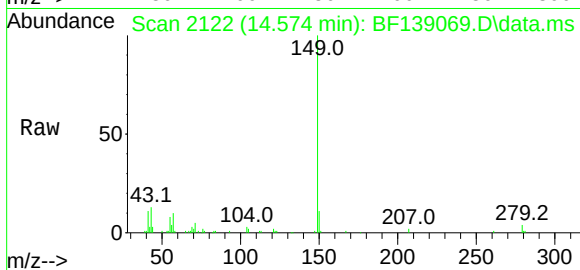
Tgt Ion:149 Resp: 48226

Ion Ratio Lower Upper

149 100

167 1.5 1.4 2.0

43 14.4 10.4 15.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 2274

Delta R.T. -0.000 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

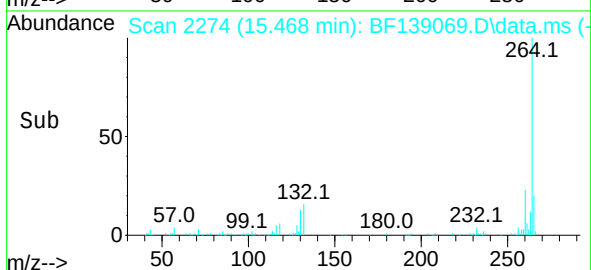
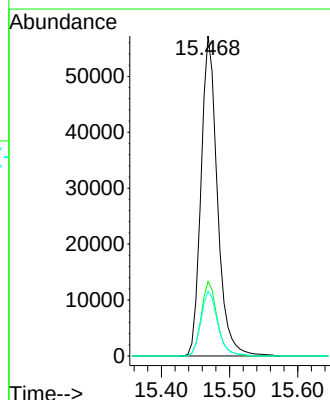
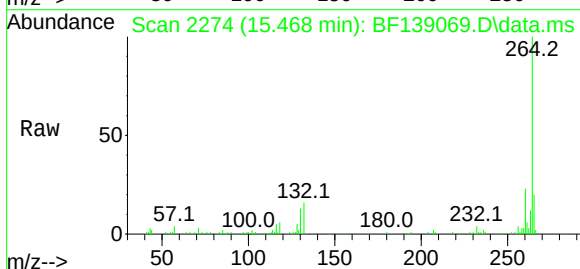
Tgt Ion:264 Resp: 95189

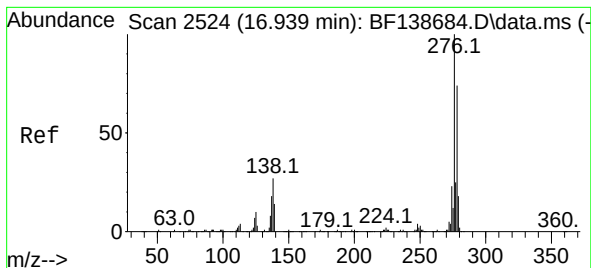
Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.6

265 20.2 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.678 ng

RT: 16.951 min Scan# 2524

Delta R.T. 0.012 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

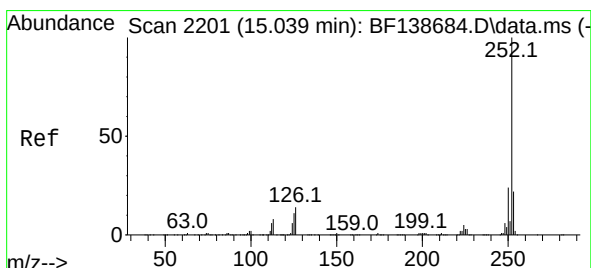
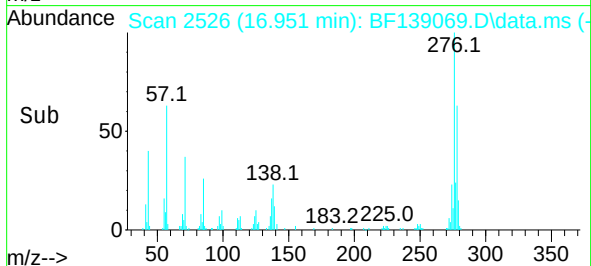
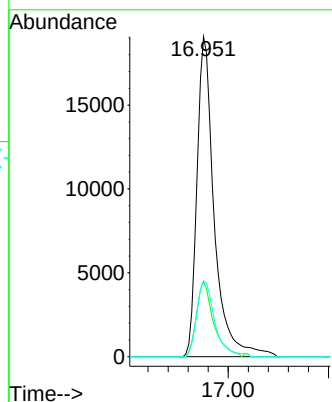
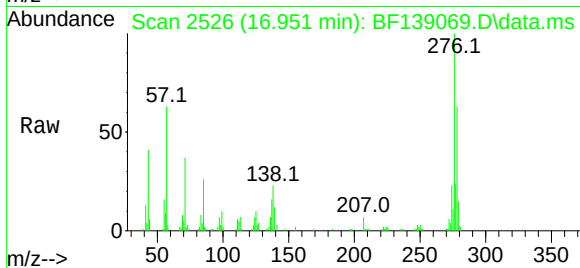
Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion:	276	Resp:	45555
Ion Ratio	Lower	Upper	
276	100		
138	23.2	21.8	32.8
277	25.0	20.6	30.8



#88

Benzo(b)fluoranthene

Concen: 7.973 ng

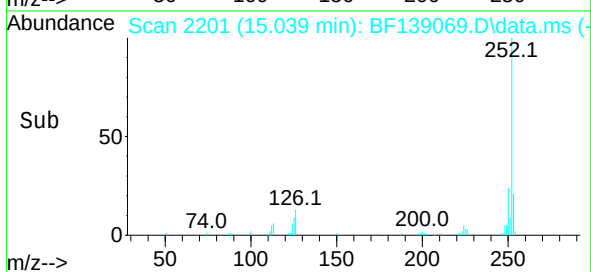
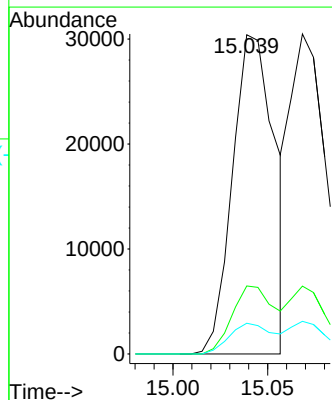
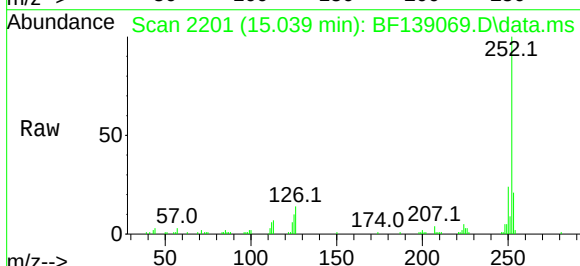
RT: 15.039 min Scan# 2201

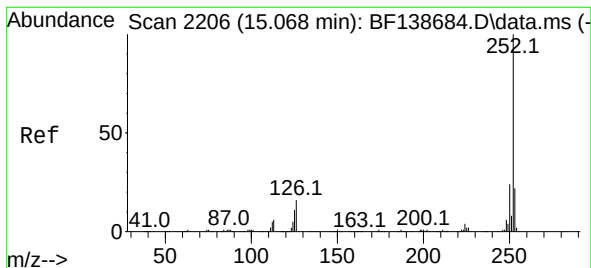
Delta R.T. -0.000 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

Tgt Ion:	252	Resp:	47046
Ion Ratio	Lower	Upper	
252	100		
253	21.3	17.5	26.3
125	9.6	8.9	13.3





#89

Benzo(k)fluoranthene

Concen: 8.412 ng

RT: 15.068 min Scan# 2206

Delta R.T. -0.000 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

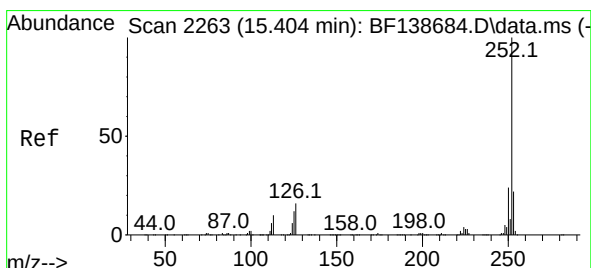
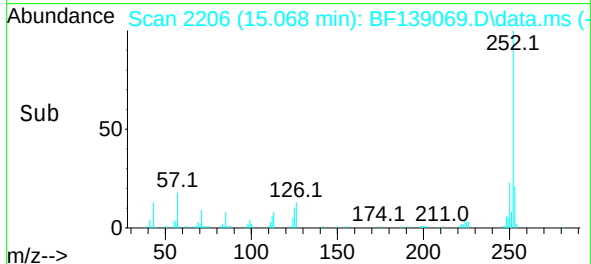
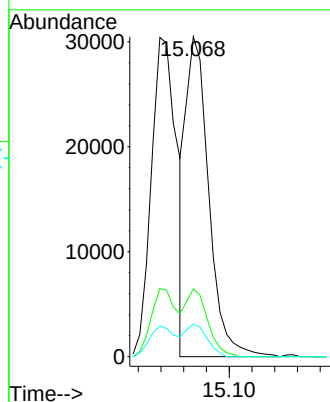
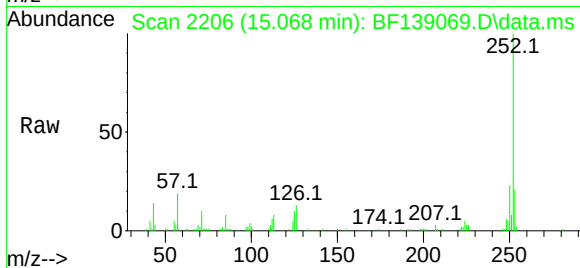
Tgt Ion:252 Resp: 42979

Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.0

125 10.2 8.6 13.0



#90

Benzo(a)pyrene

Concen: 8.254 ng

RT: 15.410 min Scan# 2264

Delta R.T. 0.006 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

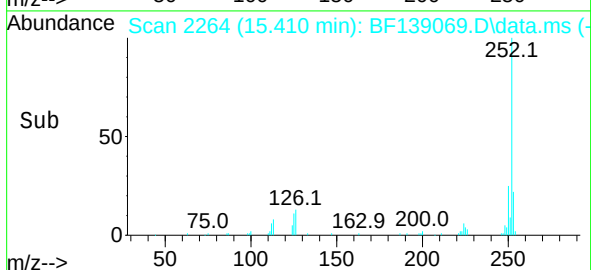
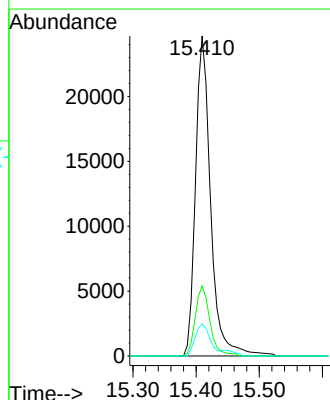
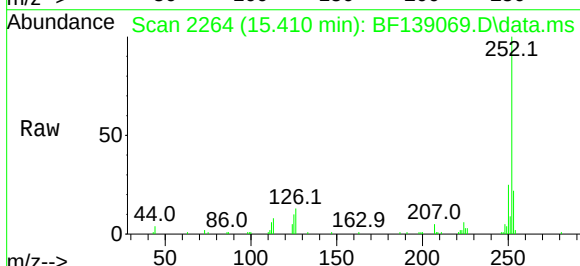
Tgt Ion:252 Resp: 40968

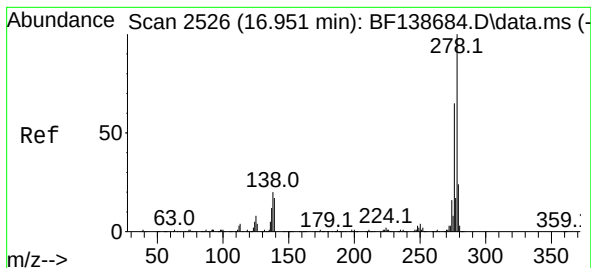
Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

125 10.0 9.5 14.3





#91

Dibenzo(a,h)anthracene

Concen: 6.486 ng

RT: 16.956 min Scan# 2526

Delta R.T. 0.006 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

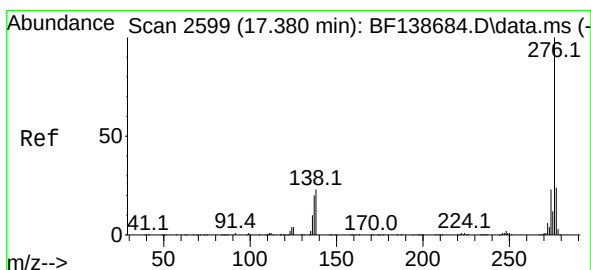
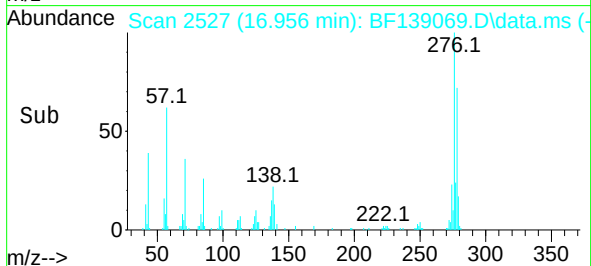
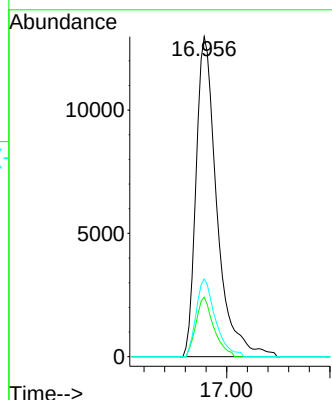
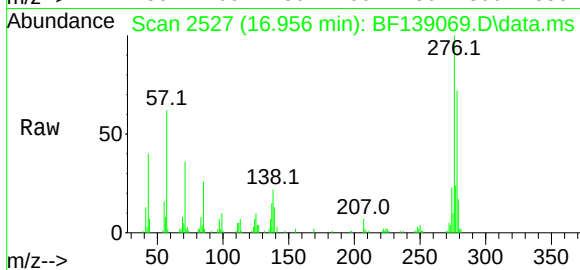
Tgt Ion:278 Resp: 36322

Ion Ratio Lower Upper

278 100

139 18.6 14.0 21.0

279 24.3 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 6.028 ng

RT: 17.404 min Scan# 2603

Delta R.T. 0.023 min

Lab File: BF139069.D

Acq: 19 Aug 2024 11:46

Tgt Ion:276 Resp: 35025

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.4

138 21.6 18.5 27.7

