

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081924\
 Data File : BF139068.D
 Acq On : 19 Aug 2024 11:16
 Operator : RC/JU
 Sample : P3390-03
 Misc : MDL-MDL-SOIL-4PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Aug 19 11:41:56 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	44641	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	189652	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	109646	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	199224	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	107712	20.000	ng	# 0.00
86) Perylene-d12	15.469	264	97675	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	385525	133.312	ng	0.00
7) Phenol-d6	6.487	99	519925	133.909	ng	0.00
23) Nitrobenzene-d5	7.404	82	347600	89.610	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	123099	137.059	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	639110	87.578	ng	-0.01
79) Terphenyl-d14	12.939	244	636926	99.003	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.581	88	4731	3.737	ng	# 88
3) Pyridine	3.469	79	6999	2.282	ng	# 90
4) n-Nitrosodimethylamine	3.328	42	7621	4.172	ng	# 78
6) Aniline	6.510	93	16615	4.798	ng	90
8) 2-Chlorophenol	6.628	128	13155	4.324	ng	88
9) Benzaldehyde	6.404	77	11462	4.925	ng	97
10) Phenol	6.498	94	17722	4.335	ng	# 44
11) bis(2-Chloroethyl)ether	6.575	93	12654	4.022	ng	99
12) 1,3-Dichlorobenzene	6.775	146	13384	3.930	ng	92
13) 1,4-Dichlorobenzene	6.851	146	14098	4.102	ng	95
14) 1,2-Dichlorobenzene	7.004	146	14238	4.432	ng	94
15) Benzyl Alcohol	6.993	79	11827	4.226	ng	# 63
16) 2,2'-oxybis(1-Chloropr...	7.104	45	24382	4.504	ng	57
17) 2-Methylphenol	7.110	107	10681	4.251	ng	# 74
18) Hexachloroethane	7.340	117	5601	4.329	ng	98
19) n-Nitroso-di-n-propyla...	7.245	70	10313	4.398	ng	89
20) 3+4-Methylphenols	7.275	107	13424	4.164	ng	# 52
22) Acetophenone	7.251	105	20363	4.385	ng	# 93
24) Nitrobenzene	7.422	77	17707	4.486	ng	95
25) Isophorone	7.657	82	29066	4.388	ng	96
26) 2-Nitrophenol	7.745	139	6187	3.643	ng	# 80
27) 2,4-Dimethylphenol	7.787	122	6879	3.386	ng	91
28) bis(2-Chloroethoxy)met...	7.869	93	16099	3.991	ng	98
29) 2,4-Dichlorophenol	8.010	162	9886	3.786	ng	93
30) 1,2,4-Trichlorobenzene	8.063	180	11916	3.955	ng	94
31) Naphthalene	8.140	128	40973	4.104	ng	99
32) Benzoic acid	7.957	122	636	0.398	ng	# 79
33) 4-Chloroaniline	8.204	127	14616	4.362	ng	97
34) Hexachlorobutadiene	8.245	225	7554	4.139	ng	95
35) Caprolactam	8.545	113	2793	3.585	ng	# 88
36) 4-Chloro-3-methylphenol	8.692	107	11845	3.970	ng	96
37) 2-Methylnaphthalene	8.828	142	25571	4.056	ng	95
38) 1-Methylnaphthalene	8.928	142	25419	4.114	ng	98
40) 1,2,4,5-Tetrachloroben...	8.992	216	12138	3.985	ng	98
43) 2,4,6-Trichlorophenol	9.122	196	6372	3.431	ng	98
44) 2,4,5-Trichlorophenol	9.181	196	6928	3.413	ng	# 77

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081924\
 Data File : BF139068.D
 Acq On : 19 Aug 2024 11:16
 Operator : RC/JU
 Sample : P3390-03
 Misc : MDL-MDL-SOIL-4PPM
 ALS Vial : 5 Sample Multiplier: 1

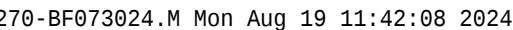
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2024

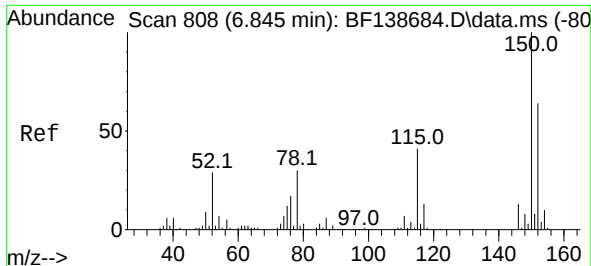
Quant Time: Aug 19 11:41:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.292	154	35584	4.144	ng	98
47) 2-Chloronaphthalene	9.316	162	24784	3.881	ng	99
48) 2-Nitroaniline	9.428	65	8367	3.864	ng	97
49) Acenaphthylene	9.734	152	39297	4.338	ng	99
50) Dimethylphthalate	9.587	163	30526	4.354	ng	100
51) 2,6-Dinitrotoluene	9.657	165	6634	4.193	ng #	79
52) Acenaphthene	9.898	154	25289	4.153	ng	98
53) 3-Nitroaniline	9.839	138	6140	3.754	ng	89
54) 2,4-Dinitrophenol	10.004	184	108	0.148	ng #	16
55) Dibenzofuran	10.075	168	37158	4.323	ng	96
56) 4-Nitrophenol	10.075	139	17136	17.421	ng #	7
57) 2,4-Dinitrotoluene	10.075	165	8148	4.036	ng #	64
58) Fluorene	10.416	166	29288	4.279	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.210	232	5310	3.421	ng #	93
60) Diethylphthalate	10.286	149	30782	4.631	ng	97
61) 4-Chlorophenyl-phenyle...	10.404	204	14863	4.415	ng	95
62) 4-Nitroaniline	10.457	138	5301	3.410	ng	89
63) Azobenzene	10.569	77	32047	4.347	ng	96
65) 4,6-Dinitro-2-methylph...	10.498	198	2267	1.865	ng #	81
66) n-Nitrosodiphenylamine	10.528	169	23993	3.853	ng	96
67) 4-Bromophenyl-phenylether	10.898	248	8323	3.859	ng	97
68) Hexachlorobenzene	10.963	284	8579	3.852	ng #	91
69) Atrazine	11.051	200	8212	5.111	ng	96
70) Pentachlorophenol	11.204	266	305	0.304	ng #	20
71) Phenanthrene	11.381	178	41787	4.073	ng	98
72) Anthracene	11.433	178	41405	4.097	ng	98
73) Carbazole	11.598	167	34657	3.975	ng	99
74) Di-n-butylphthalate	11.910	149	44952	4.586	ng	99
75) Fluoranthene	12.575	202	41283	4.311	ng	97
77) Benzidine	12.704	184	5554	2.156	ng	99
78) Pyrene	12.804	202	40843	4.027	ng	98
80) Butylbenzylphthalate	13.410	149	14637	4.507	ng	99
81) Benzo(a)anthracene	13.992	228	31573	4.257	ng	98
82) 3,3'-Dichlorobenzidine	13.957	252	7635	4.022	ng #	98
83) Chrysene	14.027	228	26443	3.952	ng	97
84) Bis(2-ethylhexyl)phtha...	13.963	149	18247	3.837	ng #	98
85) Di-n-octyl phthalate	14.574	149	23445	2.665	ng	99
87) Indeno(1,2,3-cd)pyrene	16.963	276	23810	3.402	ng	94
88) Benzo(b)fluoranthene	15.074	252	19255	3.180	ng	98
89) Benzo(k)fluoranthene	15.074	252	19255	3.673	ng	98
90) Benzo(a)pyrene	15.410	252	21294	4.181	ng	98
91) Dibenzo(a,h)anthracene	16.968	278	18894	3.288	ng	95
92) Benzo(g,h,i)perylene	17.415	276	19197	3.220	ng	96

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

Quant Time: Aug 19 11:41:56 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

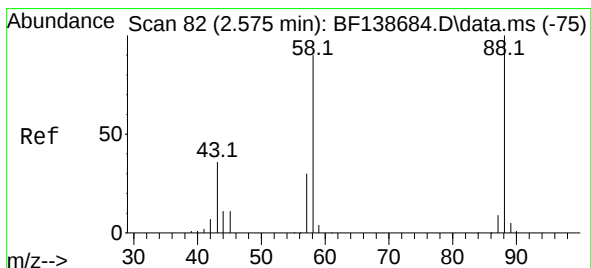
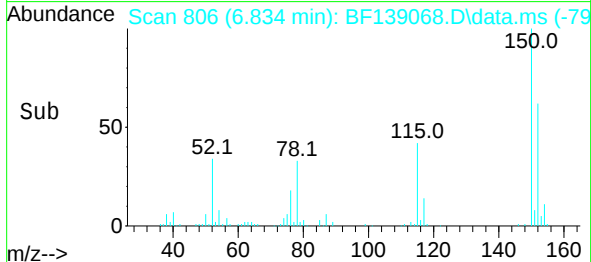
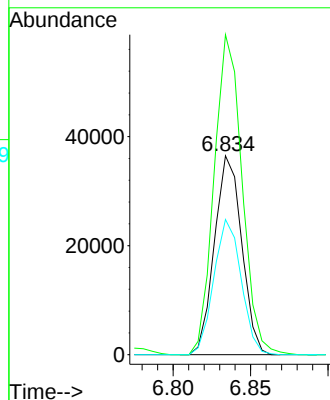
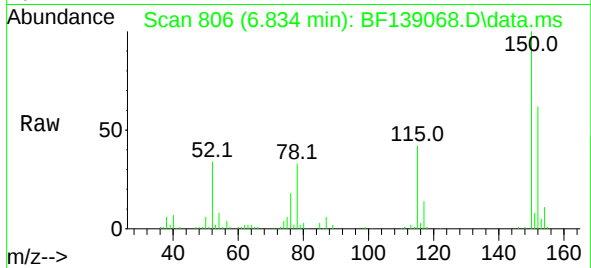




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.834 min Scan# 80
 Delta R.T. -0.011 min
 Lab File: BF139068.D
 Acq: 19 Aug 2024 11:16

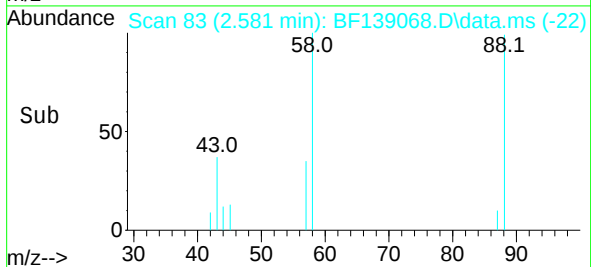
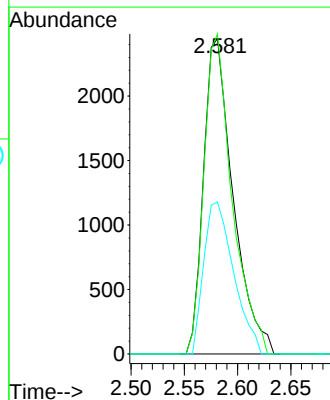
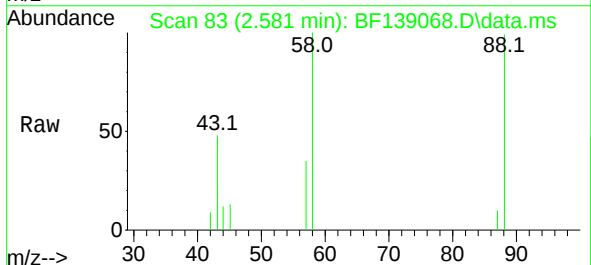
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2024

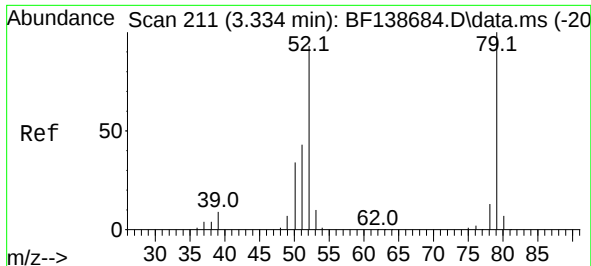
Tgt Ion:152 Resp: 44641
 Ion Ratio Lower Upper
 152 100
 150 160.9 126.0 189.0
 115 68.0 51.7 77.5



#2
 1,4-Dioxane
 Concen: 3.737 ng
 RT: 2.581 min Scan# 83
 Delta R.T. 0.006 min
 Lab File: BF139068.D
 Acq: 19 Aug 2024 11:16

Tgt Ion: 88 Resp: 4731
 Ion Ratio Lower Upper
 88 100
 58 96.8 71.6 107.4
 43 48.7 28.7 43.1#





#3

Pyridine

Concen: 2.282 ng

RT: 3.469 min Scan# 210

Delta R.T. 0.135 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

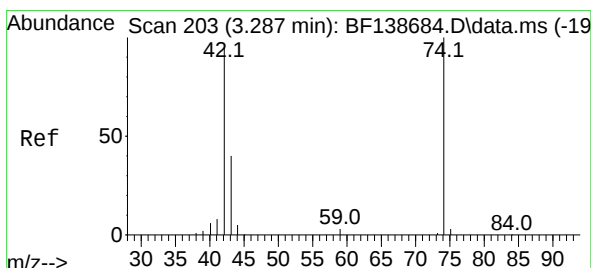
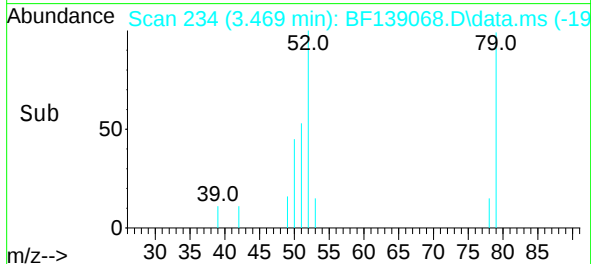
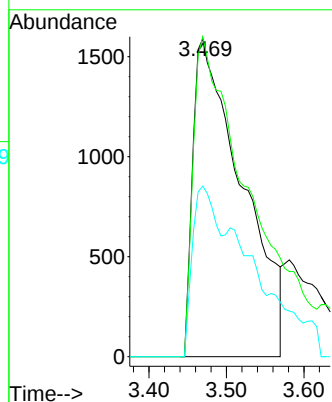
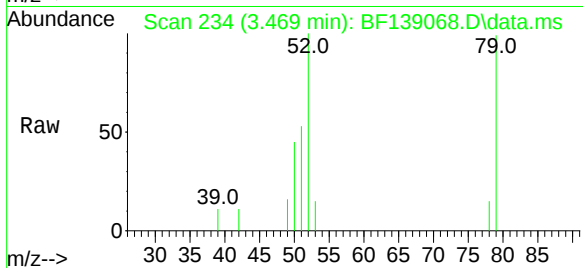
Tgt Ion: 79 Resp: 6999

Ion Ratio Lower Upper

79 100

52 100.6 74.7 112.1

51 53.6 34.6 51.8#



#4

n-Nitrosodimethylamine

Concen: 4.172 ng

RT: 3.328 min Scan# 210

Delta R.T. 0.041 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

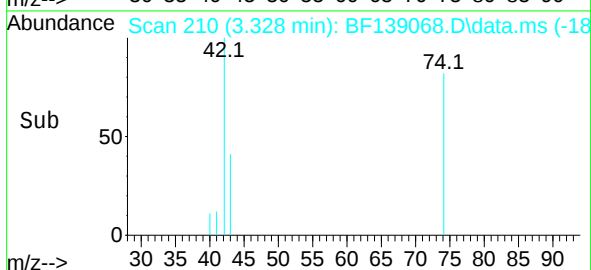
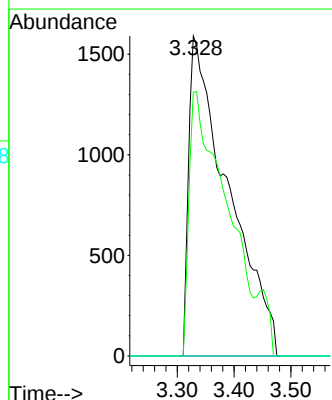
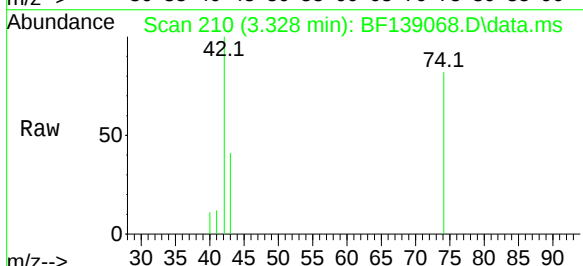
Tgt Ion: 42 Resp: 7621

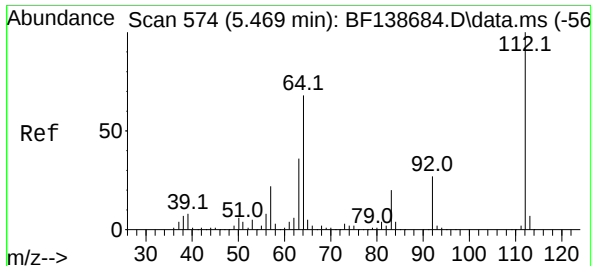
Ion Ratio Lower Upper

42 100

74 82.4 84.2 126.4#

44 0.0 4.9 7.3#

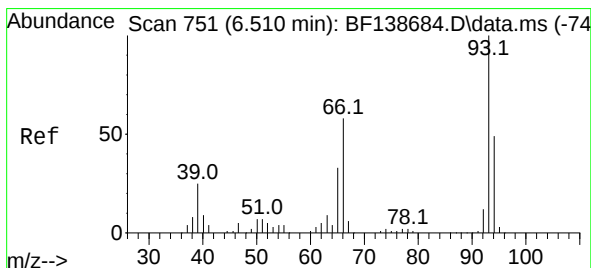
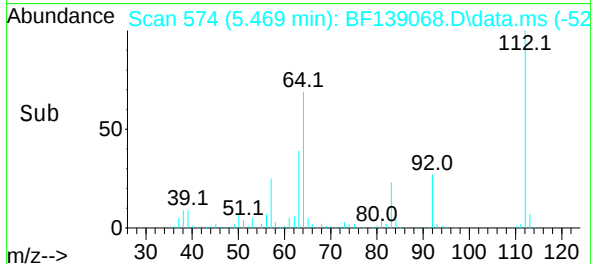
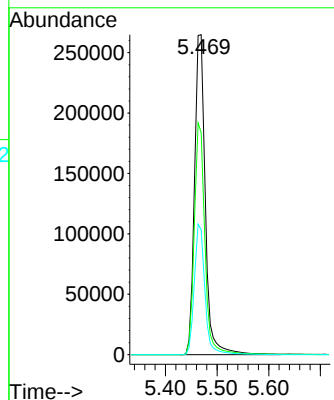
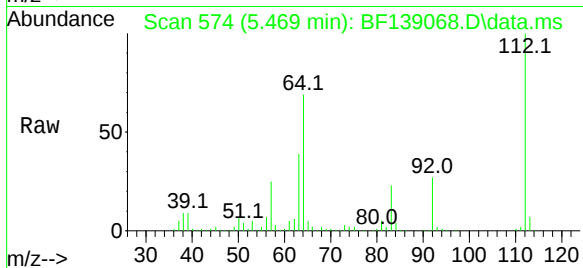




#5
2-Fluorophenol
Concen: 133.312 ng
RT: 5.469 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

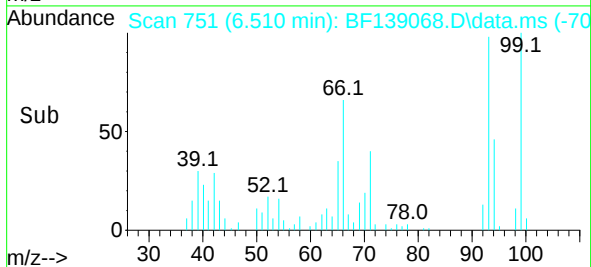
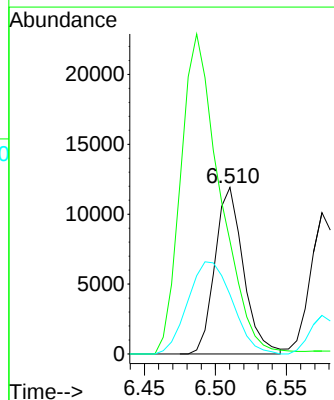
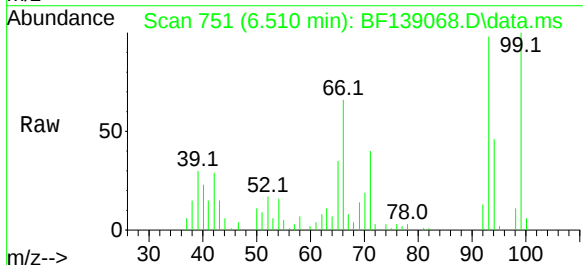
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

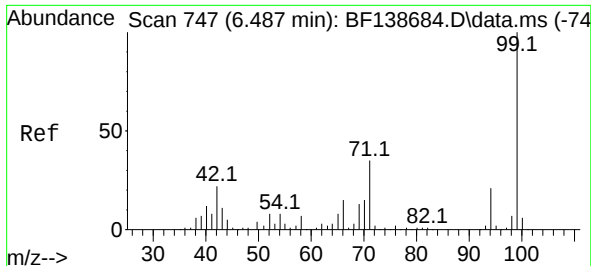
Tgt Ion:112 Resp: 385525
Ion Ratio Lower Upper
112 100
64 69.4 54.2 81.4
63 39.1 28.7 43.1



#6
Aniline
Concen: 4.798 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Tgt Ion: 93 Resp: 16615
Ion Ratio Lower Upper
93 100
66 67.8 46.9 70.3
65 35.7 26.5 39.7

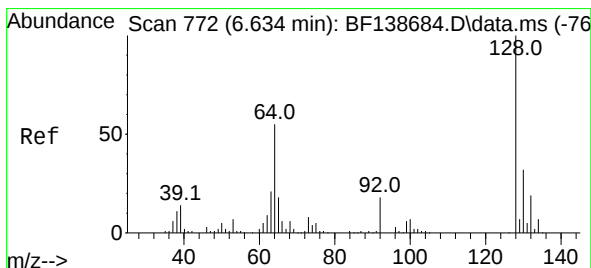
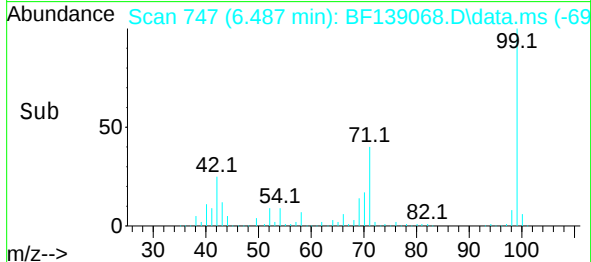
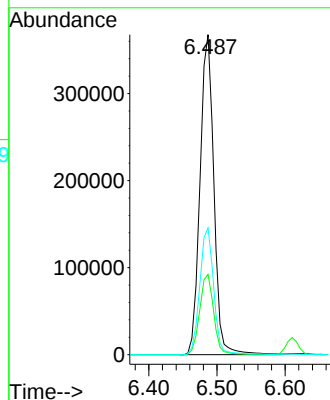
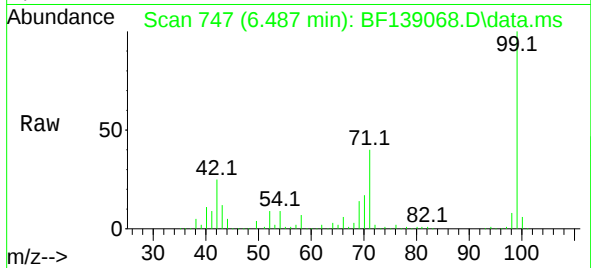




#7
Phenol-d6
Concen: 133.909 ng
RT: 6.487 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

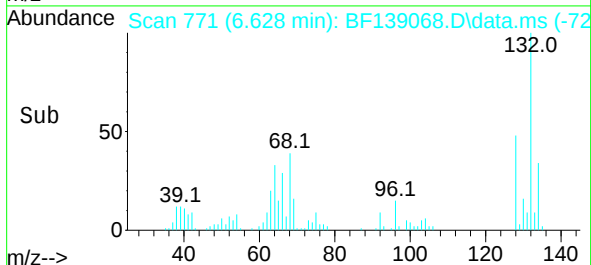
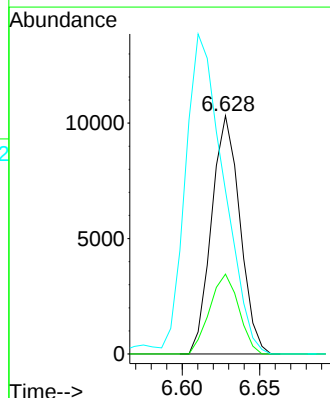
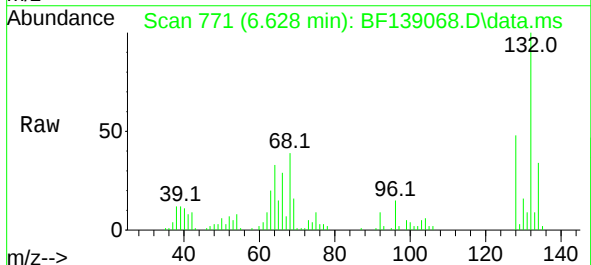
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

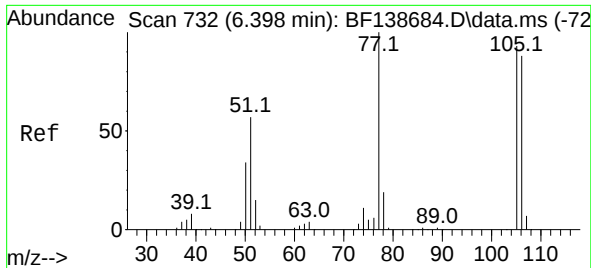
Tgt Ion: 99 Resp: 519925
Ion Ratio Lower Upper
99 100
42 25.1 17.4 26.0
71 39.6 28.1 42.1



#8
2-Chlorophenol
Concen: 4.324 ng
RT: 6.628 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Tgt Ion:128 Resp: 13155
Ion Ratio Lower Upper
128 100
130 33.5 12.0 52.0
64 68.6 36.3 76.3





#9

Benzaldehyde

Concen: 4.925 ng

RT: 6.404 min Scan# 732

Delta R.T. 0.006 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

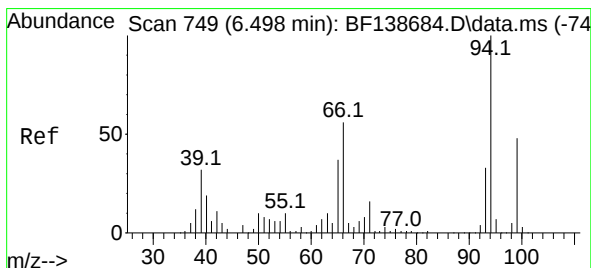
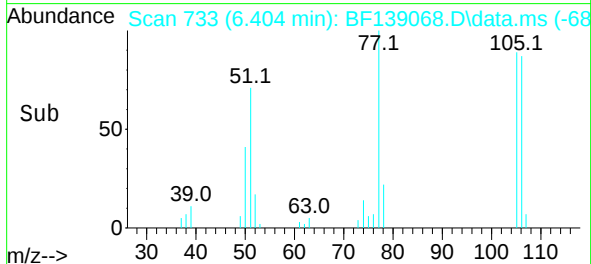
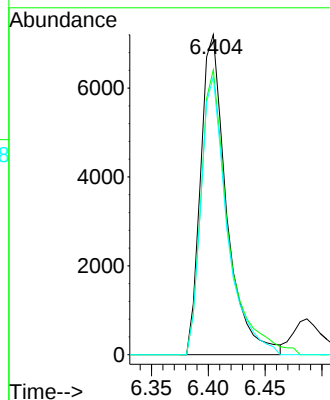
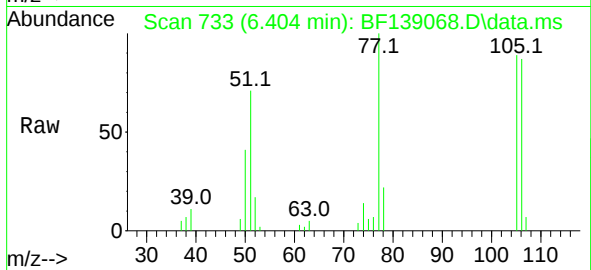
Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion:	77	Resp:	11462
Ion Ratio	Lower	Upper	
77	100		
105	89.0	72.9	112.9
106	86.8	68.4	108.4



#10

Phenol

Concen: 4.335 ng

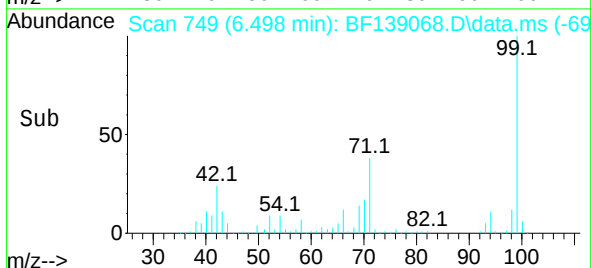
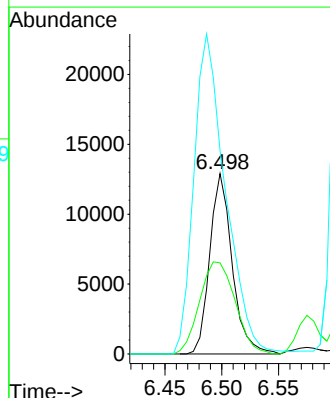
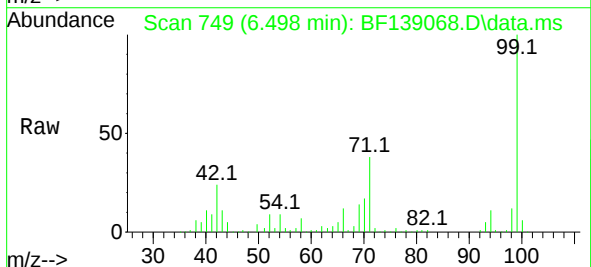
RT: 6.498 min Scan# 749

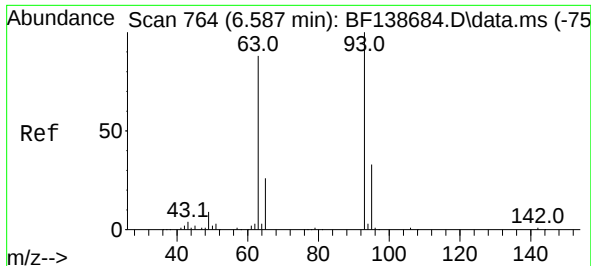
Delta R.T. 0.000 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Tgt Ion:	94	Resp:	17722
Ion Ratio	Lower	Upper	
94	100		
65	50.5	16.9	56.9
66	112.8	36.5	76.5#





#11

bis(2-Chloroethyl)ether

Concen: 4.022 ng

RT: 6.575 min Scan# 762

Delta R.T. -0.012 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

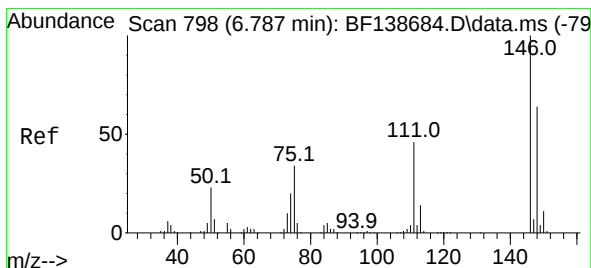
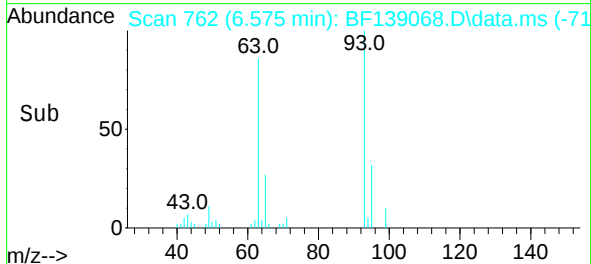
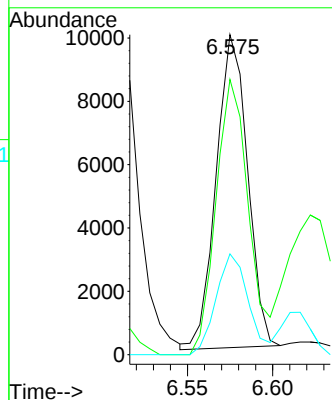
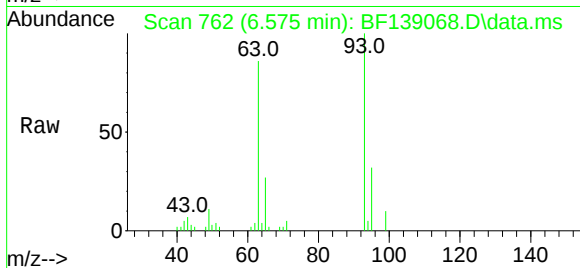
Tgt Ion: 93 Resp: 12654

Ion Ratio Lower Upper

93 100

63 86.0 65.3 105.3

95 31.5 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 3.930 ng

RT: 6.775 min Scan# 796

Delta R.T. -0.012 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

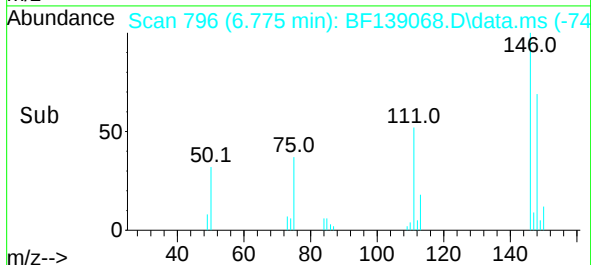
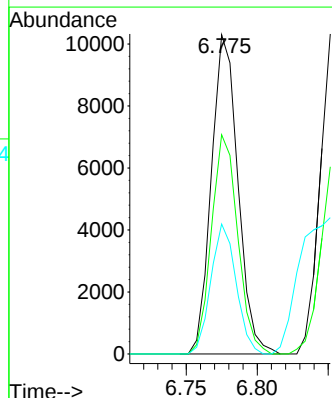
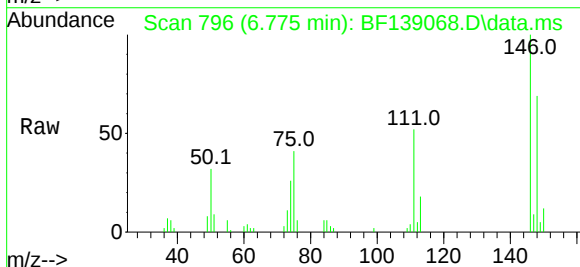
Tgt Ion: 146 Resp: 13384

Ion Ratio Lower Upper

146 100

148 68.7 51.2 76.8

75 40.7 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 4.102 ng

RT: 6.851 min Scan# 809

Delta R.T. -0.012 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

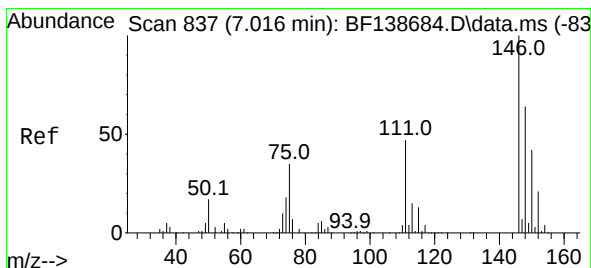
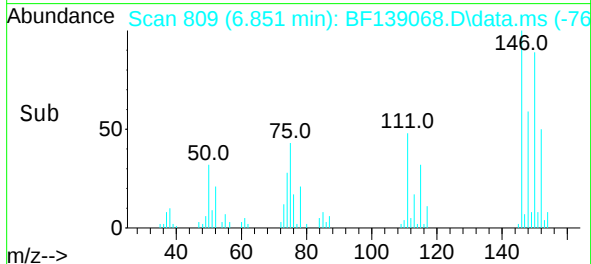
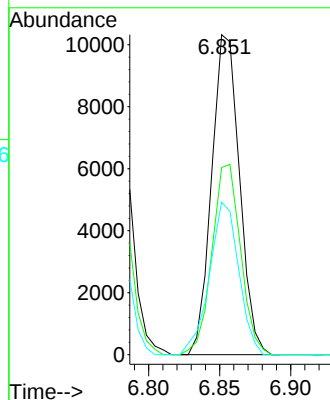
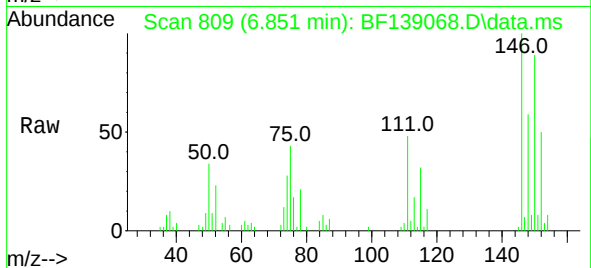
Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion:146	Resp:	14098
Ion Ratio	Lower	Upper
146	100	
148	58.5	50.2 75.2
111	47.7	35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 4.432 ng

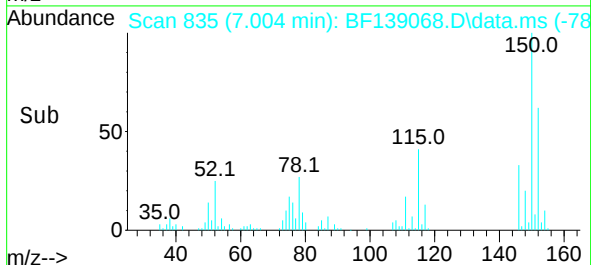
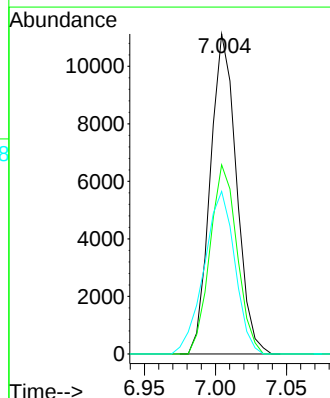
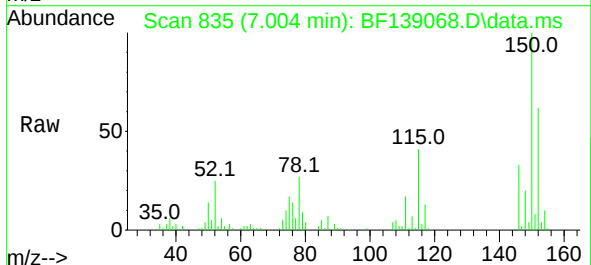
RT: 7.004 min Scan# 835

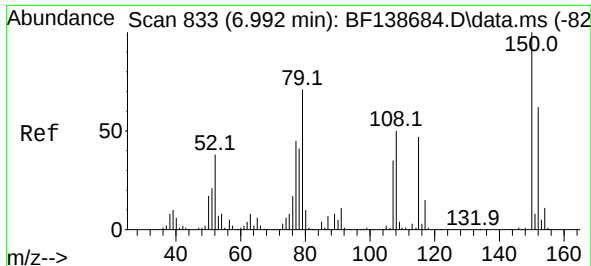
Delta R.T. -0.012 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Tgt Ion:146	Resp:	14238
Ion Ratio	Lower	Upper
146	100	
148	59.1	50.8 76.2
111	50.8	37.4 56.2





#15

Benzyl Alcohol

Concen: 4.226 ng

RT: 6.993 min Scan# 84

Delta R.T. 0.000 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

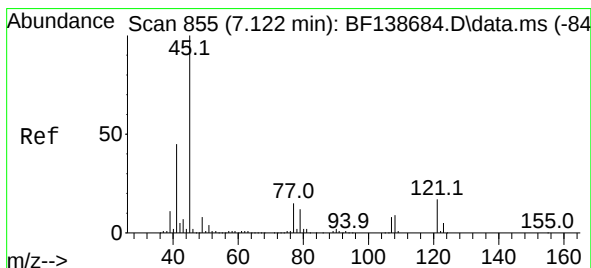
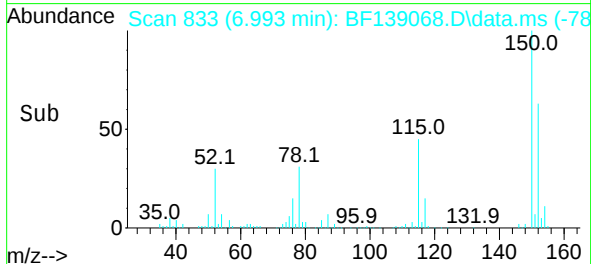
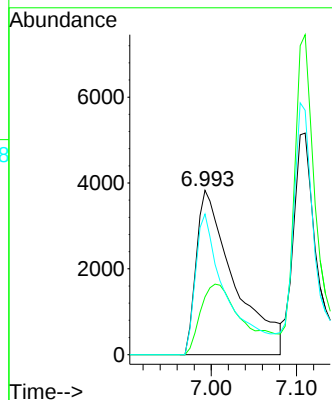
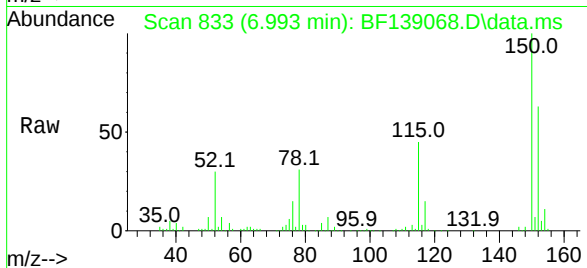
Tgt Ion: 79 Resp: 11827

Ion Ratio Lower Upper

79 100

108 35.1 56.6 85.0#

77 85.6 50.3 75.5#



#16

2,2'-oxybis(1-chloropropane)

Concen: 4.504 ng

RT: 7.104 min Scan# 852

Delta R.T. -0.018 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

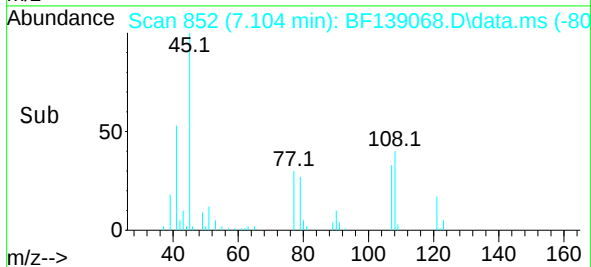
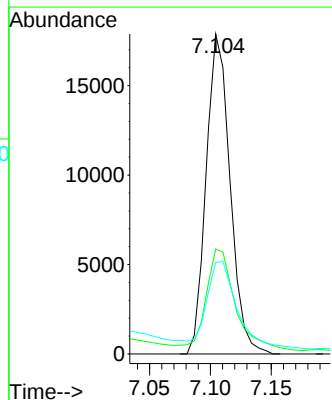
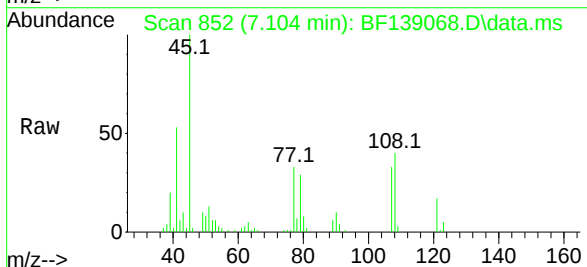
Tgt Ion: 45 Resp: 24382

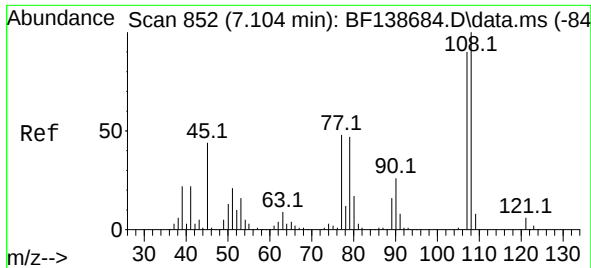
Ion Ratio Lower Upper

45 100

77 32.8 0.0 34.9

79 28.6 0.0 32.2

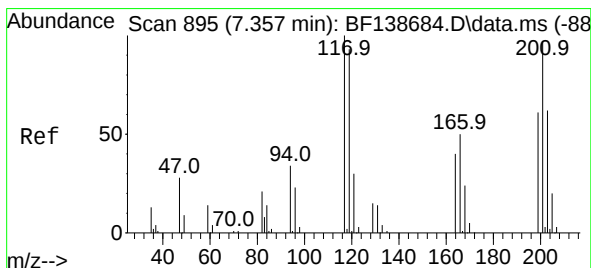
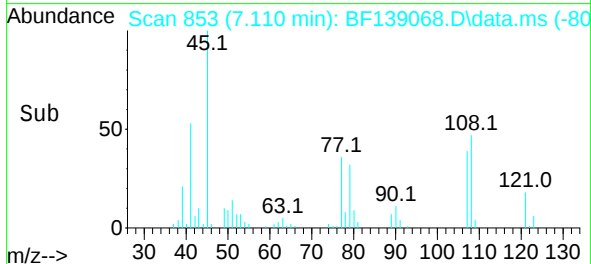
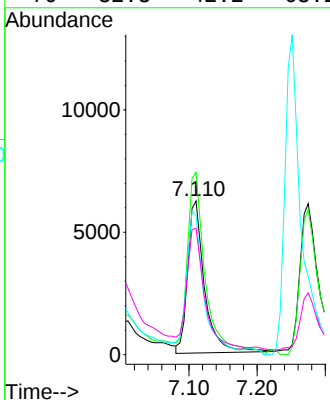
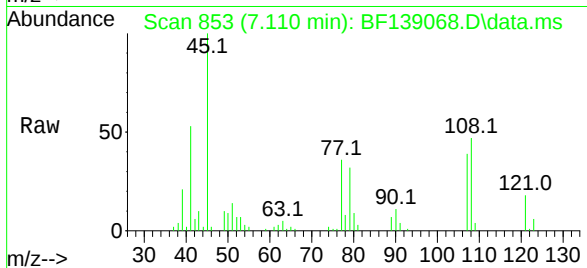




#17
2-Methylphenol
Concen: 4.251 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

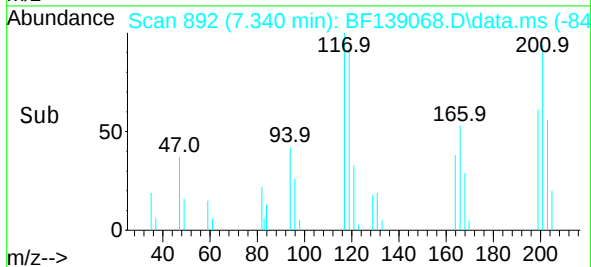
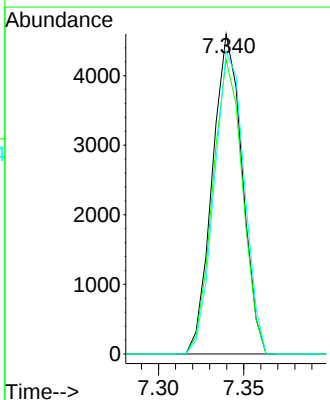
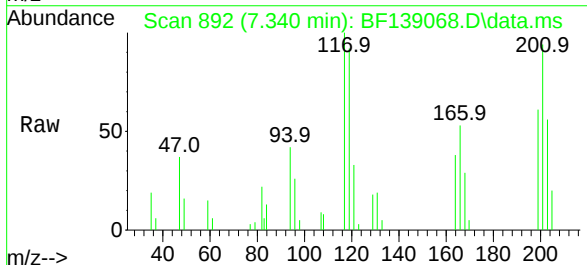
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

Tgt Ion:	107	Resp:	10681
Ion Ratio	Lower	Upper	
107	100		
108	118.8	89.2	133.8
77	90.7	43.0	64.4#
79	82.3	42.2	63.2#



#18
Hexachloroethane
Concen: 4.329 ng
RT: 7.340 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Tgt Ion:	117	Resp:	5601
Ion Ratio	Lower	Upper	
117	100		
119	92.0	74.6	111.8
201	94.4	77.2	115.8





#19

n-Nitroso-di-n-propylamine

Concen: 4.398 ng

RT: 7.245 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF139068.D

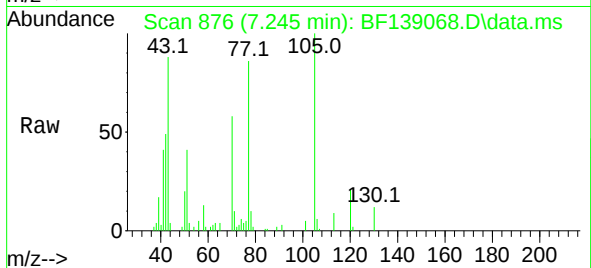
Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024



Tgt Ion: 70 Resp: 10313

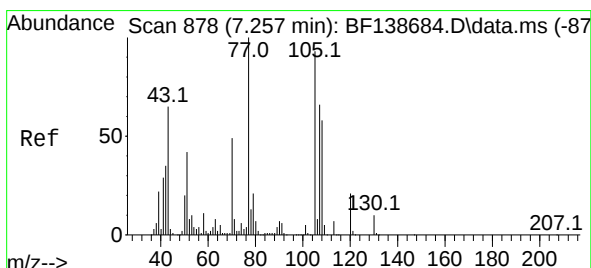
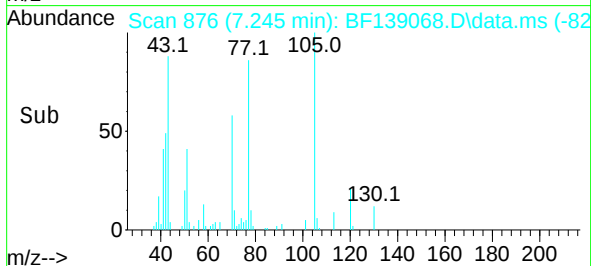
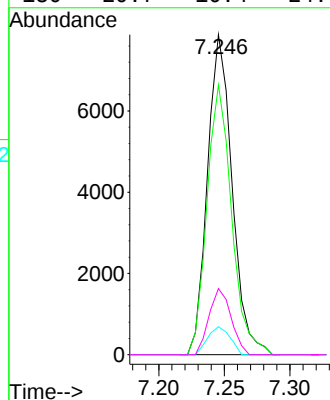
Ion Ratio Lower Upper

70 100

42 84.3 57.4 86.0

101 8.7 7.5 11.3

130 20.7 16.4 24.6



#20

3+4-Methylphenols

Concen: 4.164 ng

RT: 7.275 min Scan# 881

Delta R.T. 0.018 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Tgt Ion: 107 Resp: 13424

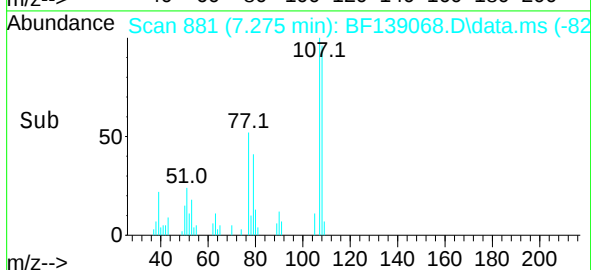
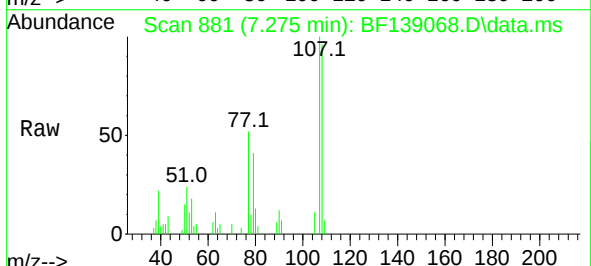
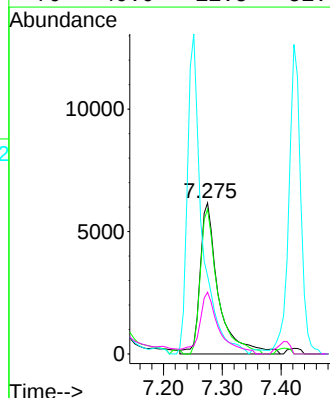
Ion Ratio Lower Upper

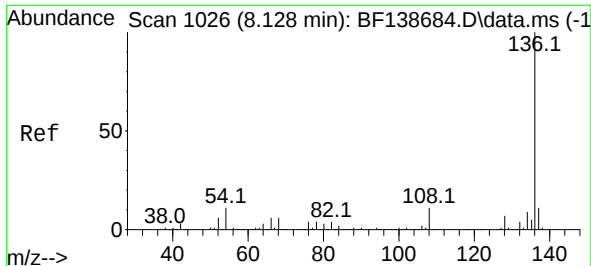
107 100

108 95.9 68.2 108.2

77 51.8 132.1 172.1#

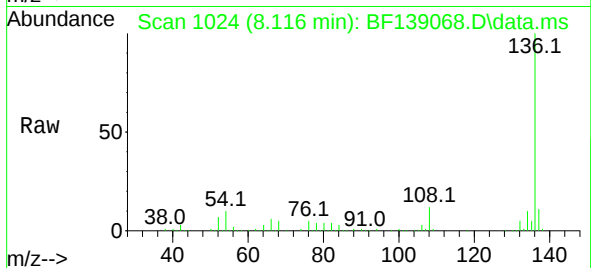
79 40.9 11.5 51.5



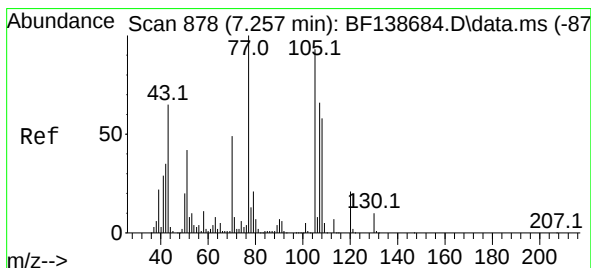
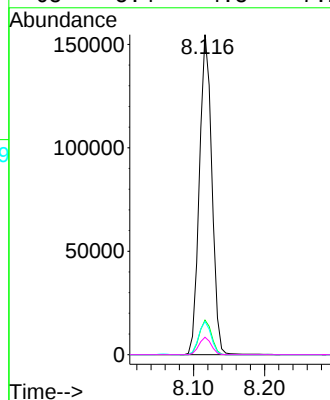
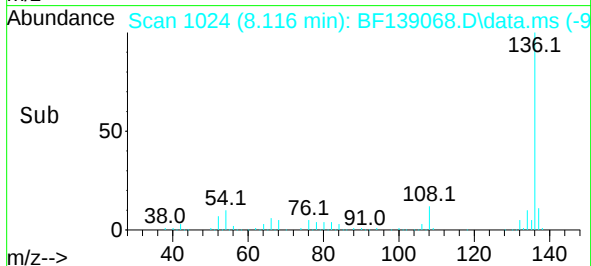


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

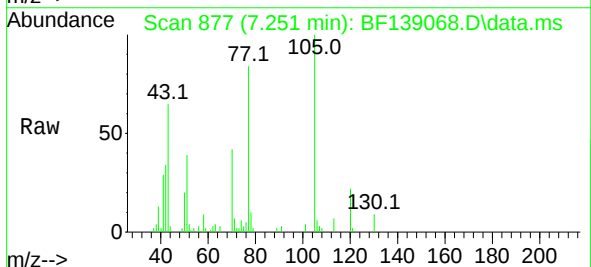
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



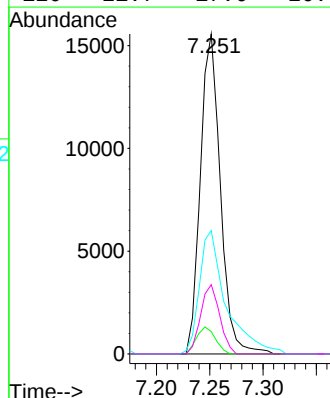
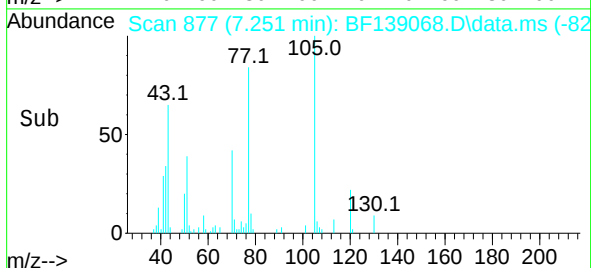
Tgt Ion:136 Resp: 189652
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 10.3 8.6 12.8
68 5.4 4.8 7.2

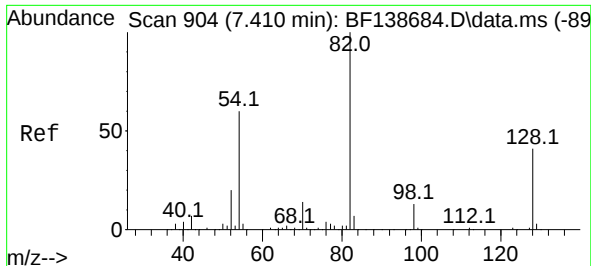


#22
Acetophenone
Concen: 4.385 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16



Tgt Ion:105 Resp: 20363
Ion Ratio Lower Upper
105 100
71 7.0 7.2 10.8#
51 38.6 35.9 53.9
120 21.7 17.6 26.4

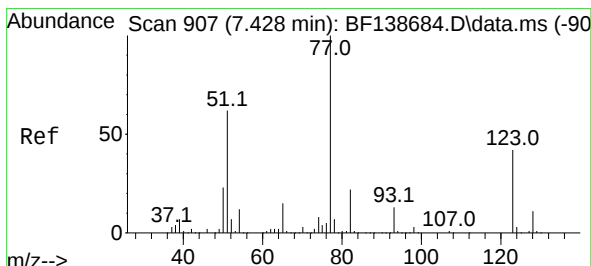
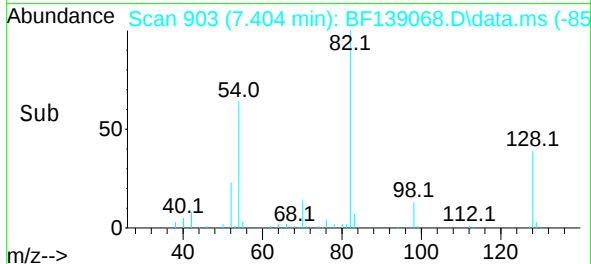
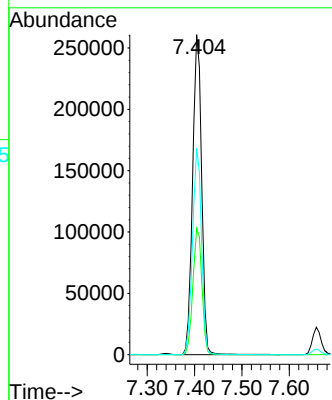
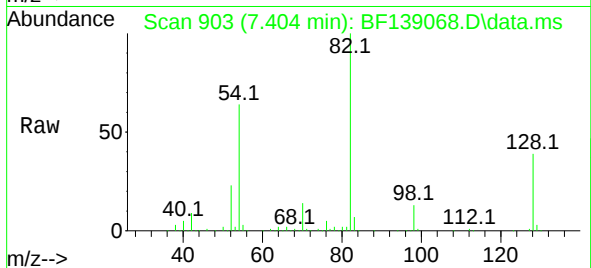




#23
Nitrobenzene-d5
Concen: 89.610 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

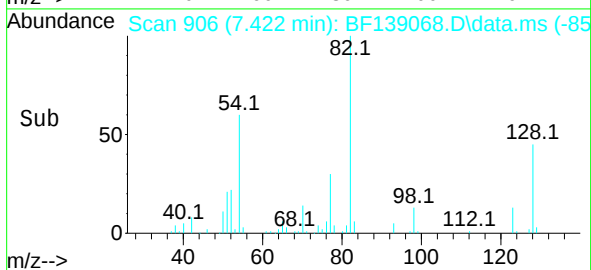
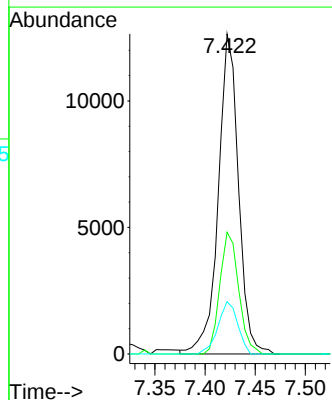
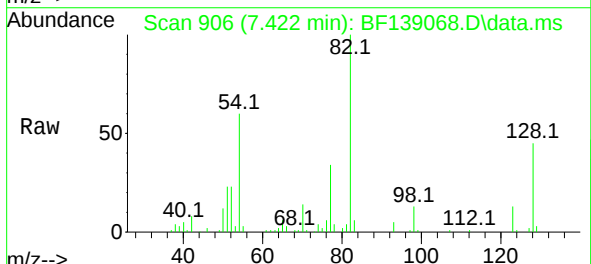
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

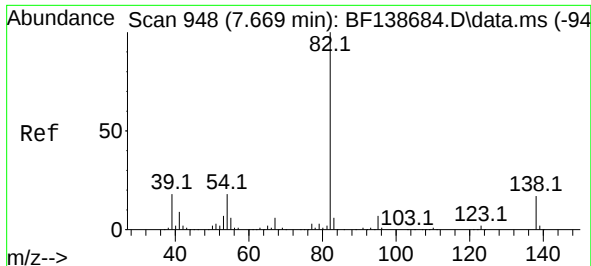
Tgt Ion: 82 Resp: 347600
Ion Ratio Lower Upper
82 100
128 39.5 32.8 49.2
54 64.5 48.3 72.5



#24
Nitrobenzene
Concen: 4.486 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Tgt Ion: 77 Resp: 17707
Ion Ratio Lower Upper
77 100
123 38.1 33.3 49.9
65 16.3 11.9 17.9





#25

Isophorone

Concen: 4.388 ng

RT: 7.657 min Scan# 946

Delta R.T. -0.012 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

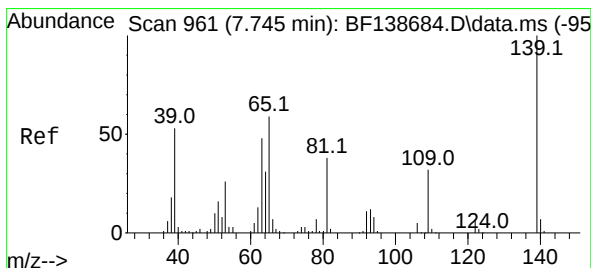
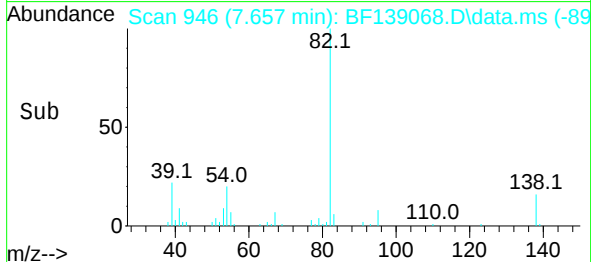
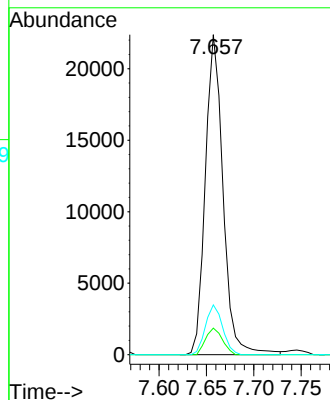
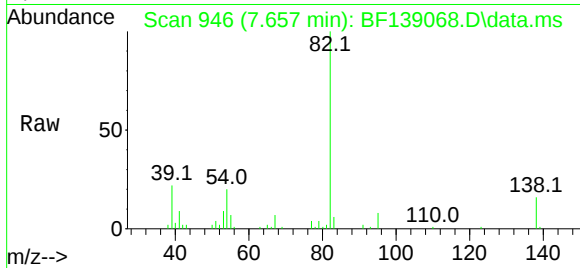
Tgt Ion: 82 Resp: 29066

Ion Ratio Lower Upper

82 100

95 8.3 5.7 8.5

138 15.6 13.7 20.5



#26

2-Nitrophenol

Concen: 3.643 ng

RT: 7.745 min Scan# 961

Delta R.T. 0.000 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

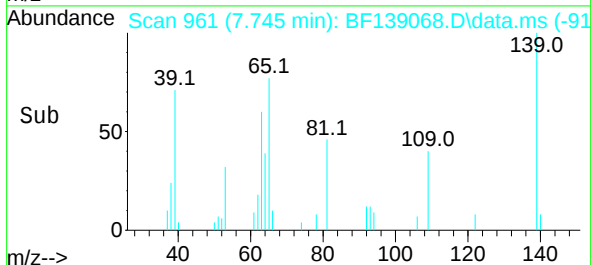
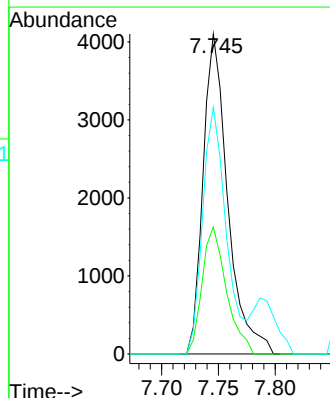
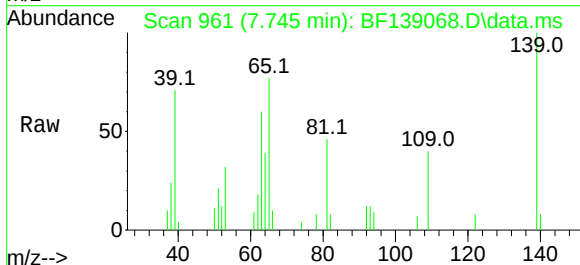
Tgt Ion:139 Resp: 6187

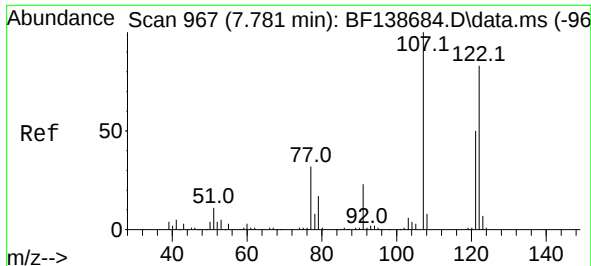
Ion Ratio Lower Upper

139 100

109 39.7 25.9 38.9#

65 77.1 47.0 70.6#

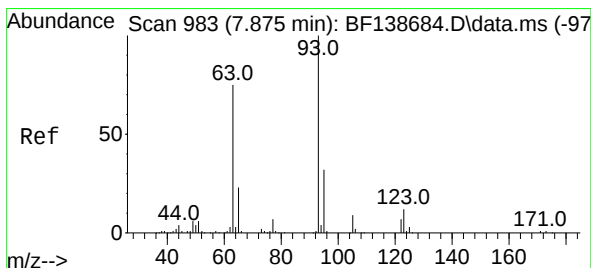
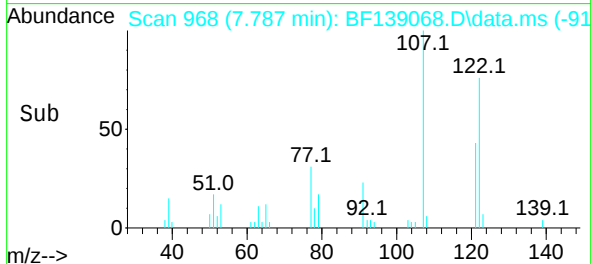
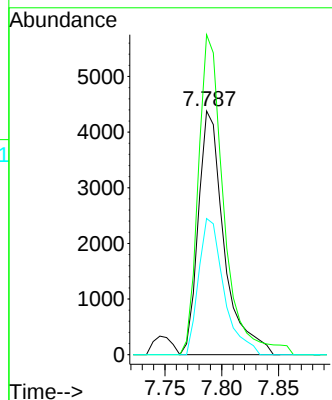
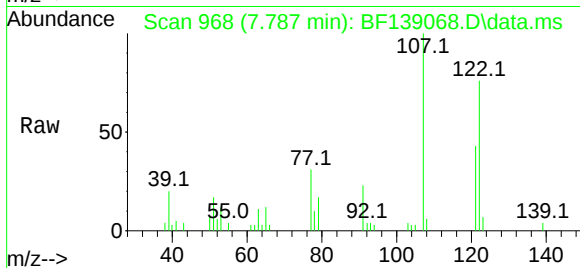




#27
2,4-Dimethylphenol
Concen: 3.386 ng
RT: 7.787 min Scan# 90
Delta R.T. 0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

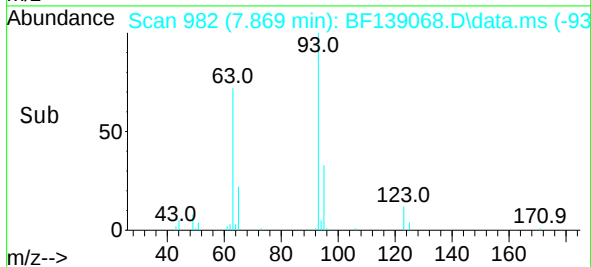
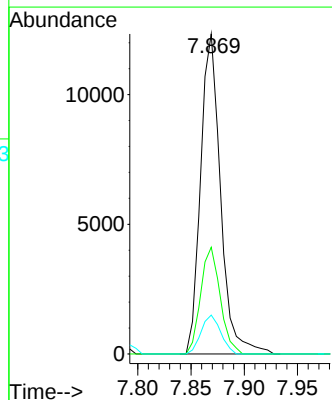
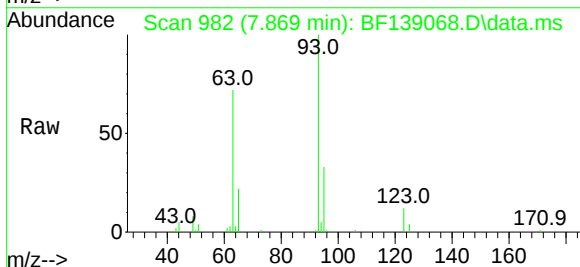
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

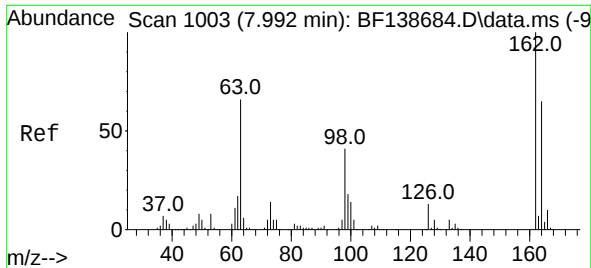
Tgt Ion:	122	Resp:	6879
Ion	Ratio	Lower	Upper
122	100		
107	131.3	95.0	142.6
121	55.8	47.3	70.9



#28
bis(2-Chloroethoxy)methane
Concen: 3.991 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Tgt Ion:	93	Resp:	16099
Ion	Ratio	Lower	Upper
93	100		
95	33.4	25.8	38.8
123	12.1	9.4	14.0

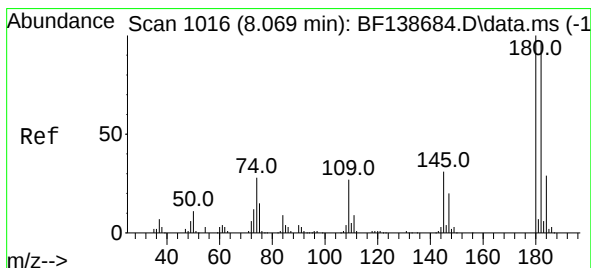
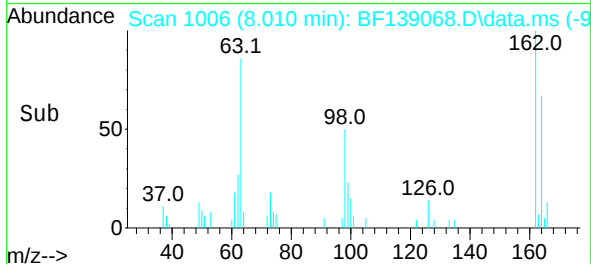
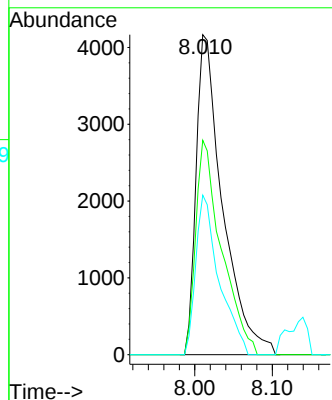
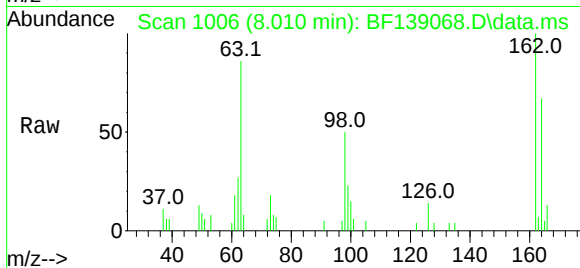




#29
2,4-Dichlorophenol
Concen: 3.786 ng
RT: 8.010 min Scan# 1006
Delta R.T. 0.018 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

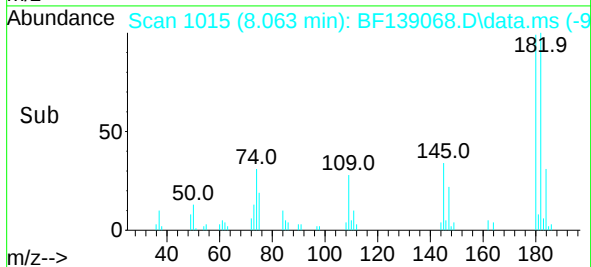
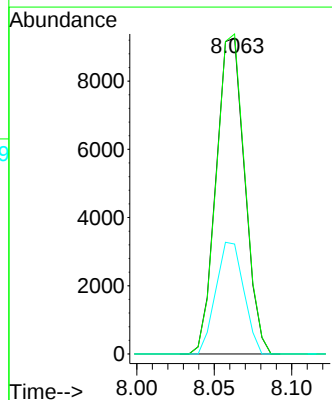
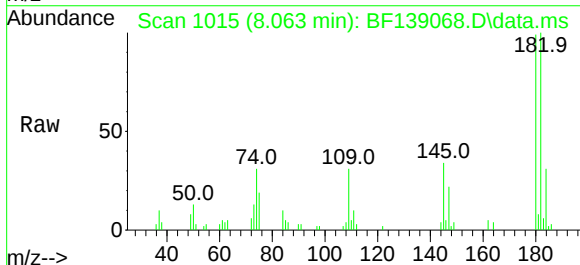
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

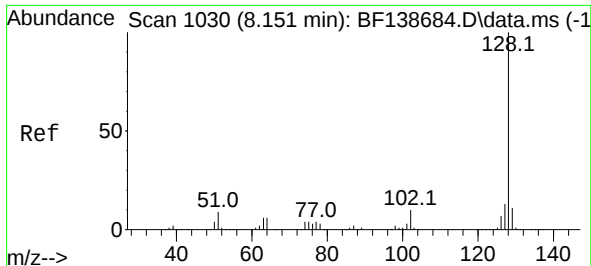
Tgt Ion:162 Resp: 9886
Ion Ratio Lower Upper
162 100
164 67.0 44.7 84.7
98 49.8 20.8 60.8



#30
1,2,4-Trichlorobenzene
Concen: 3.955 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Tgt Ion:180 Resp: 11916
Ion Ratio Lower Upper
180 100
182 101.3 76.9 115.3
145 34.8 25.0 37.4

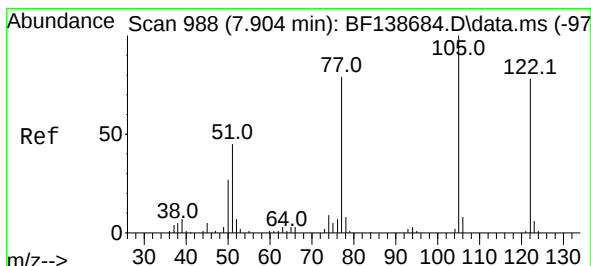
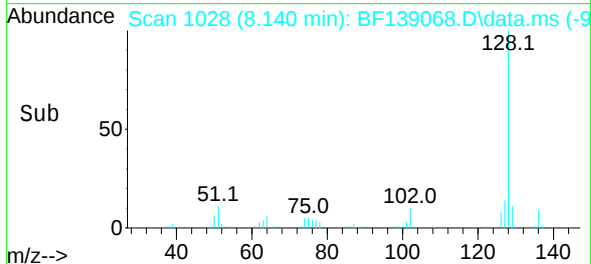
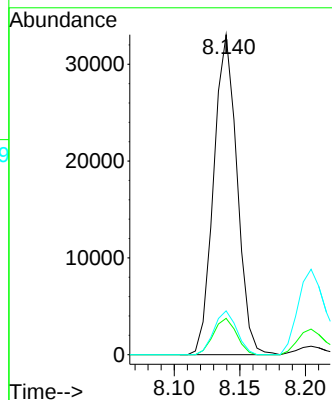
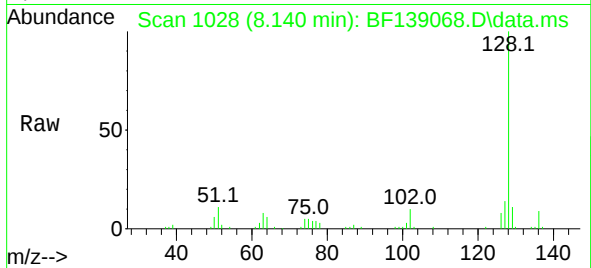




#31
Naphthalene
Concen: 4.104 ng
RT: 8.140 min Scan# 1030
Delta R.T. -0.011 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

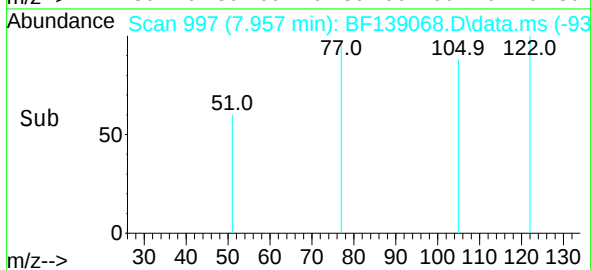
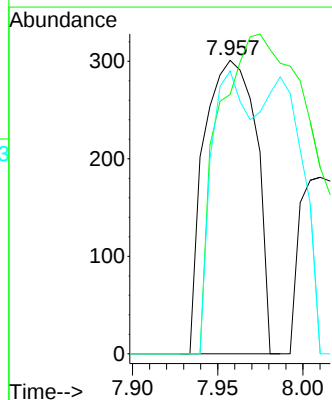
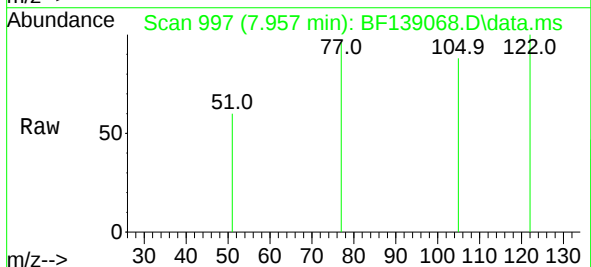
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

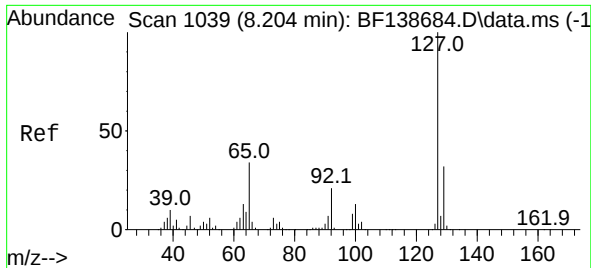
Tgt Ion:128 Resp: 40973
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 13.7 10.6 16.0



#32
Benzoic acid
Concen: 0.398 ng
RT: 7.957 min Scan# 997
Delta R.T. 0.053 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Tgt Ion:122 Resp: 636
Ion Ratio Lower Upper
122 100
105 88.4 106.7 146.7#
77 96.3 81.1 121.1

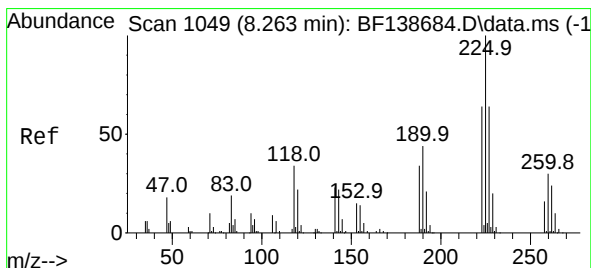
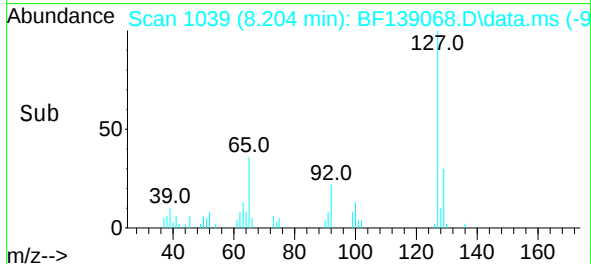
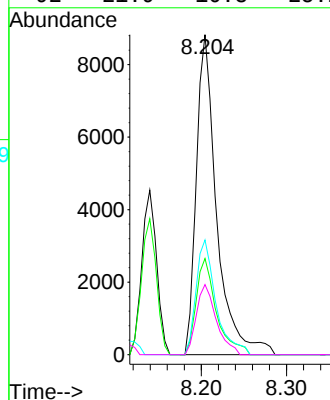
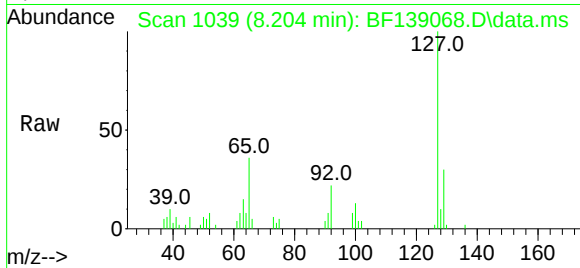




#33
4-Chloroaniline
Concen: 4.362 ng
RT: 8.204 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

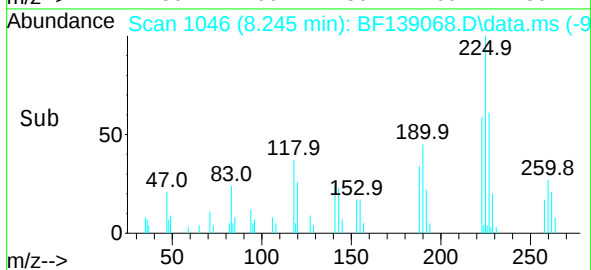
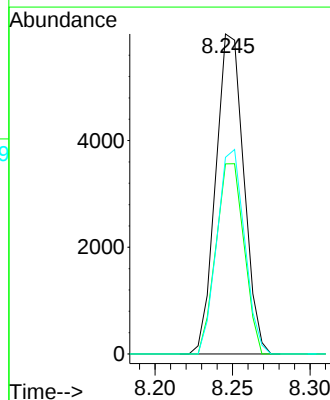
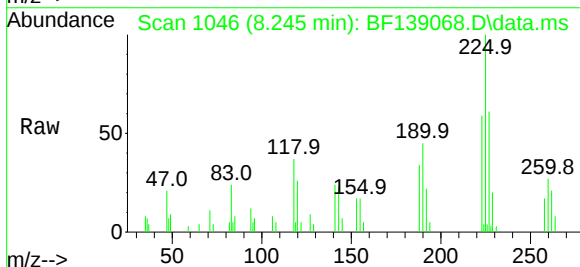
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

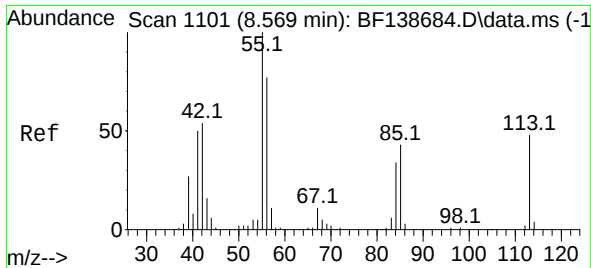
Tgt Ion:	127	Resp:	14616
Ion Ratio	Lower	Upper	
127	100		
129	30.0	25.9	38.9
65	35.9	27.6	41.4
92	21.9	16.8	25.2



#34
Hexachlorobutadiene
Concen: 4.139 ng
RT: 8.245 min Scan# 1046
Delta R.T. -0.018 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Tgt Ion:	225	Resp:	7554
Ion Ratio	Lower	Upper	
225	100		
223	59.4	51.2	76.8
227	61.4	51.1	76.7





#35

Caprolactam

Concen: 3.585 ng

RT: 8.545 min Scan# 1101

Delta R.T. -0.023 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

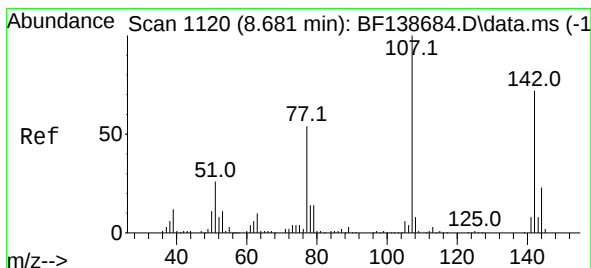
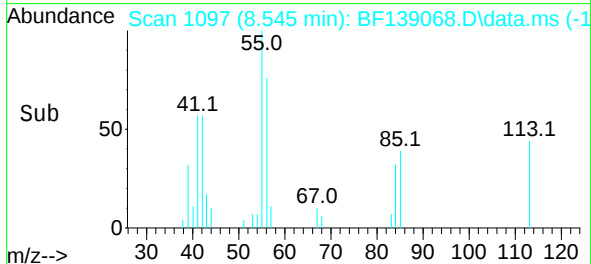
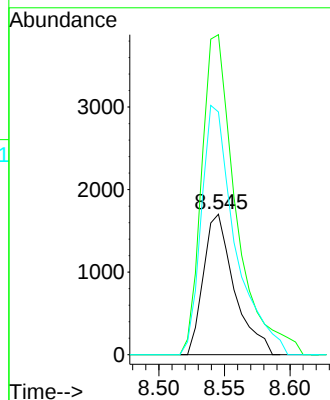
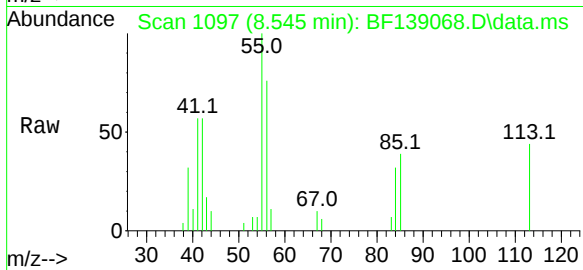
Tgt Ion:113 Resp: 2793

Ion Ratio Lower Upper

113 100

55 227.8 186.7 226.7#

56 172.7 138.9 178.9



#36

4-Chloro-3-methylphenol

Concen: 3.970 ng

RT: 8.692 min Scan# 1122

Delta R.T. 0.012 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

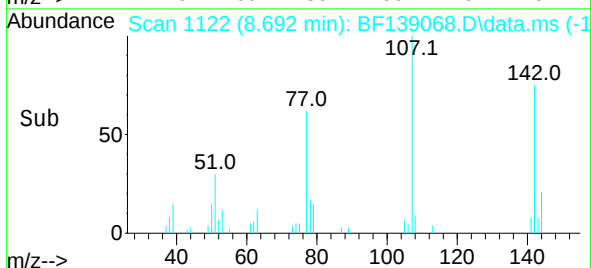
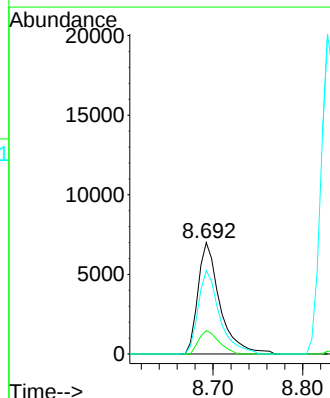
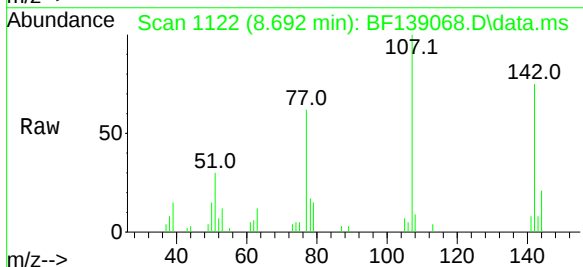
Tgt Ion:107 Resp: 11845

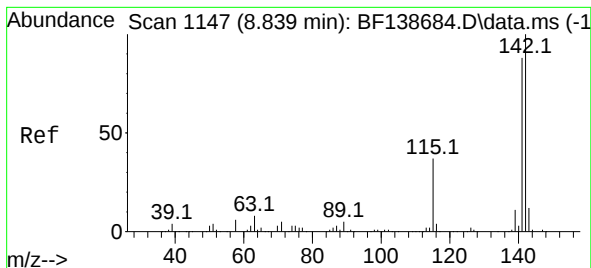
Ion Ratio Lower Upper

107 100

144 20.9 18.2 27.2

142 74.9 57.4 86.2





#37

2-Methylnaphthalene

Concen: 4.056 ng

RT: 8.828 min Scan# 1145

Delta R.T. -0.012 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

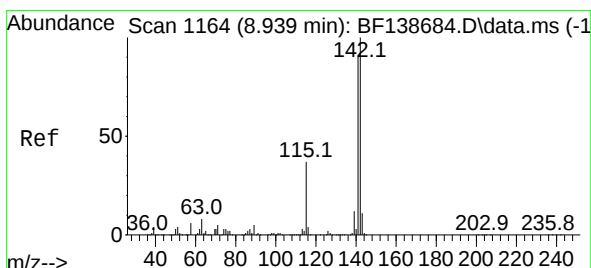
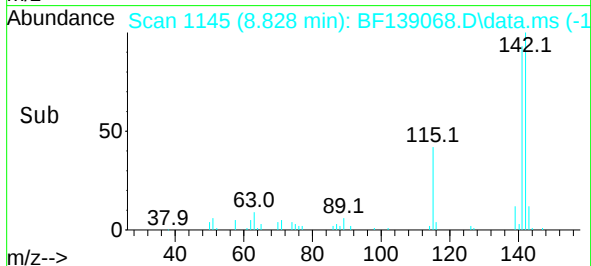
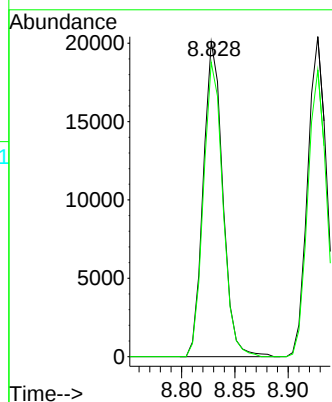
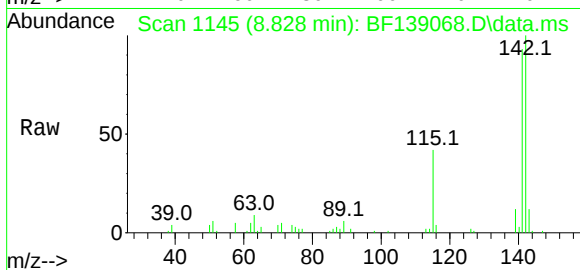
MDL-SOIL-03-QT3-2024

Tgt Ion:142 Resp: 25571

Ion Ratio Lower Upper

142 100

141 93.4 70.8 106.2



#38

1-Methylnaphthalene

Concen: 4.114 ng

RT: 8.928 min Scan# 1162

Delta R.T. -0.012 min

Lab File: BF139068.D

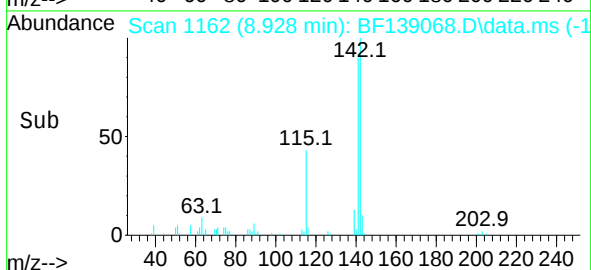
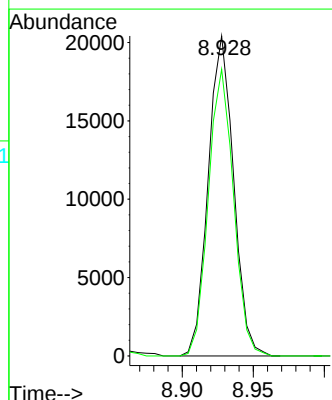
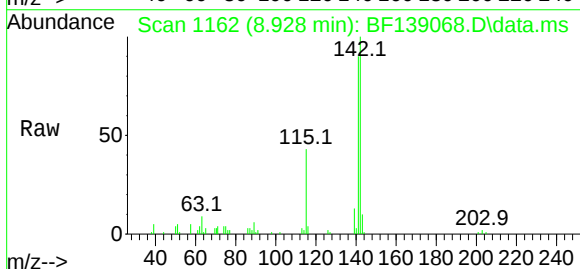
Acq: 19 Aug 2024 11:16

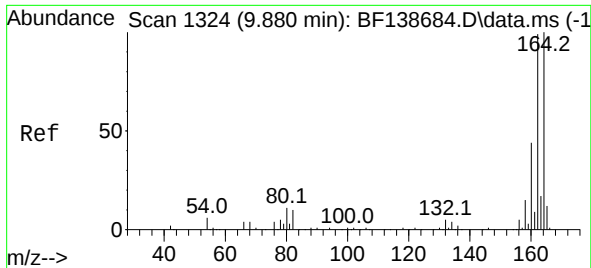
Tgt Ion:142 Resp: 25419

Ion Ratio Lower Upper

142 100

141 89.6 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1173

Delta R.T. -0.011 min

Lab File: BF139068.D

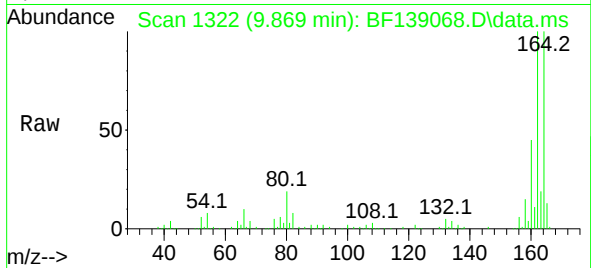
Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024



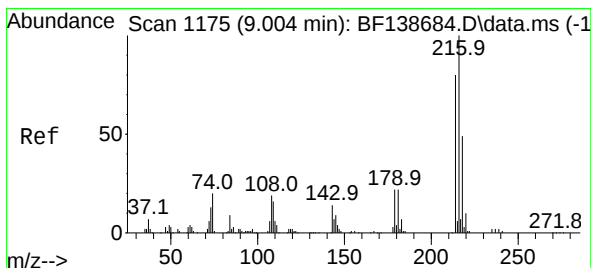
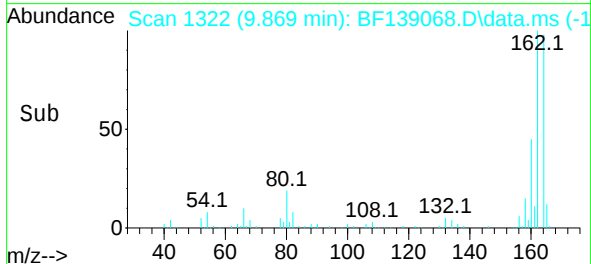
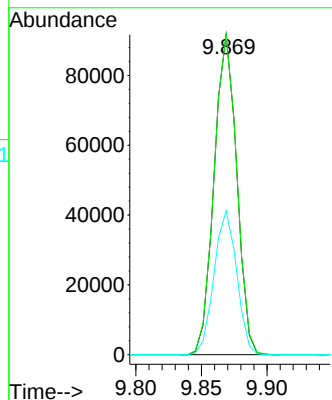
Tgt Ion:164 Resp: 109646

Ion Ratio Lower Upper

164 100

162 99.9 79.4 119.0

160 45.0 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.985 ng

RT: 8.992 min Scan# 1173

Delta R.T. -0.012 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Tgt Ion:216 Resp: 12138

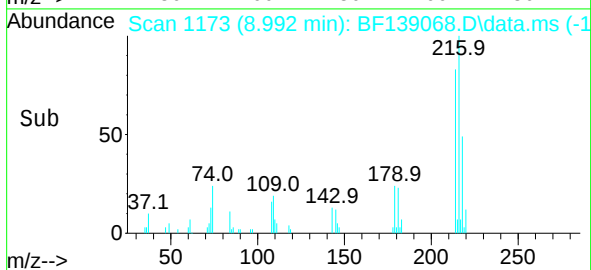
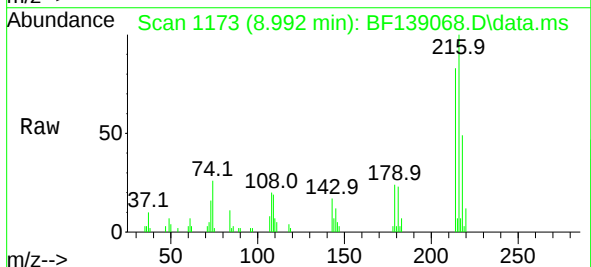
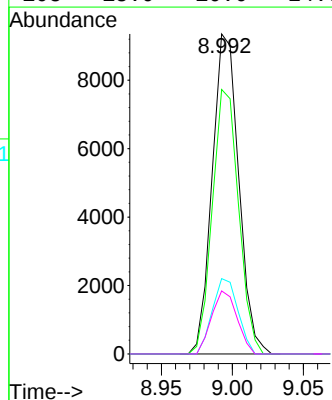
Ion Ratio Lower Upper

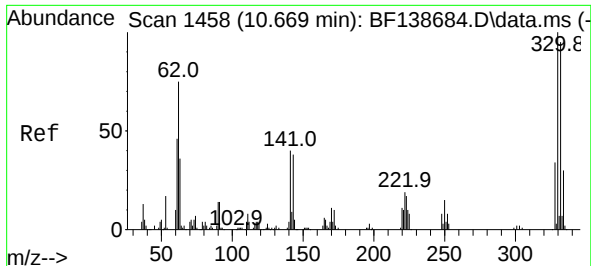
216 100

214 81.6 63.9 95.9

179 22.7 17.8 26.6

108 18.9 16.0 24.0





#42

2,4,6-Tribromophenol

Concen: 137.059 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF139068.D

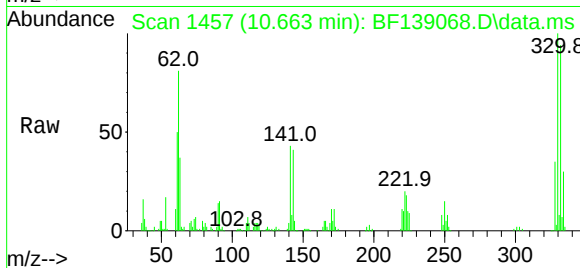
Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024



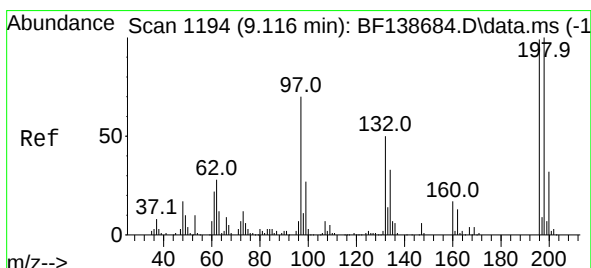
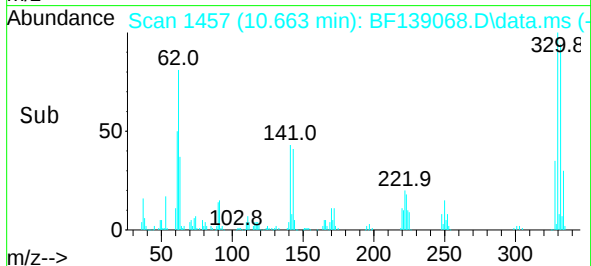
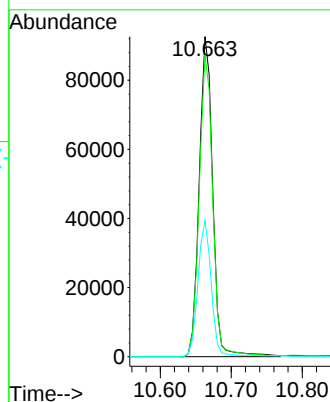
Tgt Ion:330 Resp: 123099

Ion Ratio Lower Upper

330 100

332 95.0 76.4 114.6

141 42.4 31.1 46.7



#43

2,4,6-Trichlorophenol

Concen: 3.431 ng

RT: 9.122 min Scan# 1195

Delta R.T. 0.006 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

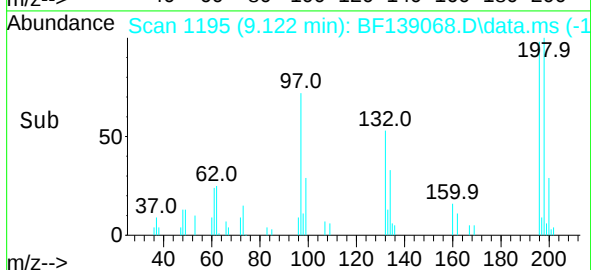
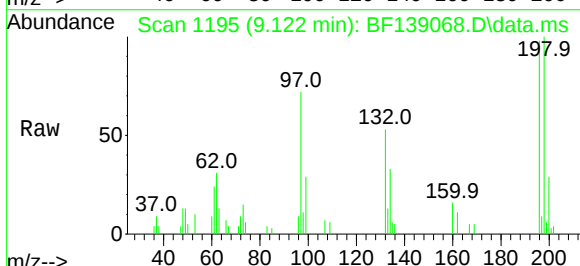
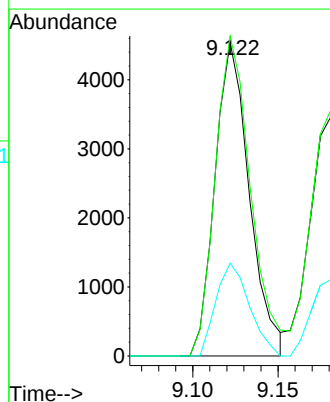
Tgt Ion:196 Resp: 6372

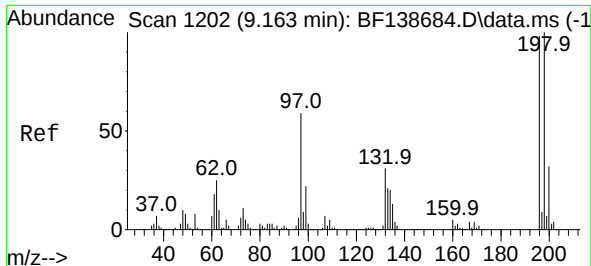
Ion Ratio Lower Upper

196 100

198 102.0 80.5 120.7

200 29.5 25.9 38.9





#44

2,4,5-Trichlorophenol

Concen: 3.413 ng

RT: 9.181 min Scan# 11

Delta R.T. 0.018 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion:196 Resp: 6928

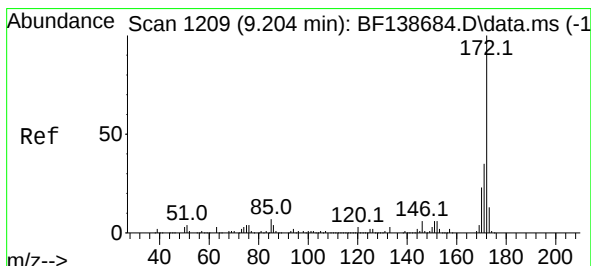
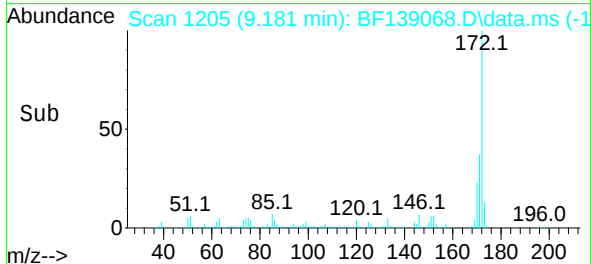
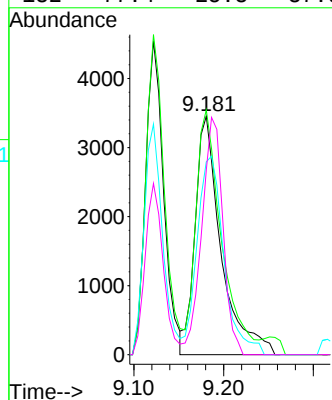
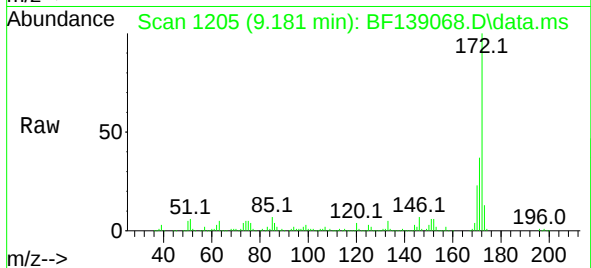
Ion Ratio Lower Upper

196 100

198 102.7 81.2 121.8

97 80.9 47.8 71.6#

132 77.4 25.3 37.9#



#45

2-Fluorobiphenyl

Concen: 87.578 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.012 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

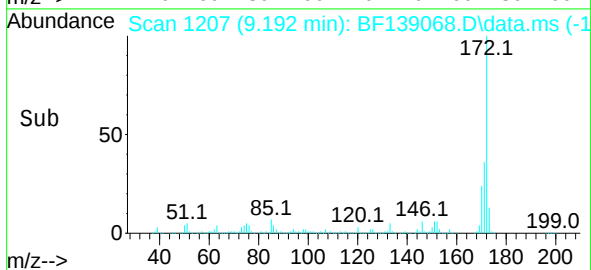
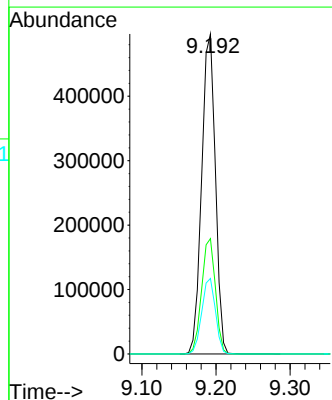
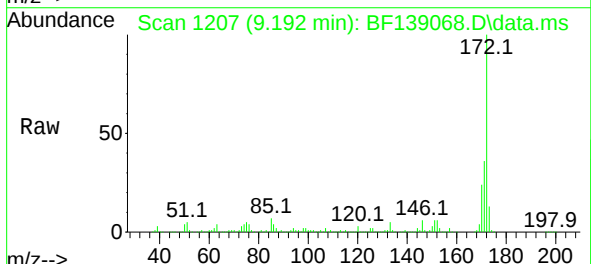
Tgt Ion:172 Resp: 639110

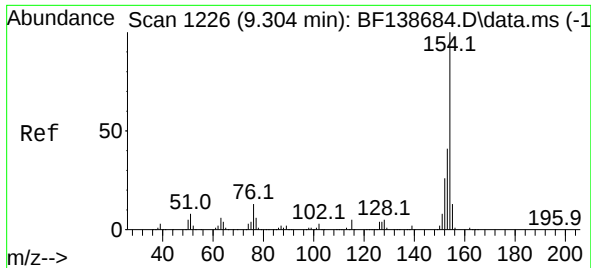
Ion Ratio Lower Upper

172 100

171 36.0 28.3 42.5

170 23.6 18.8 28.2





#46

1,1'-Biphenyl

Concen: 4.144 ng

RT: 9.292 min Scan# 1224

Delta R.T. -0.012 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

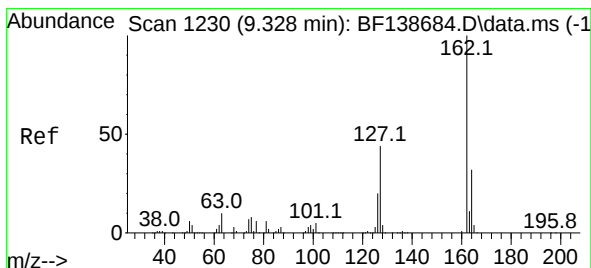
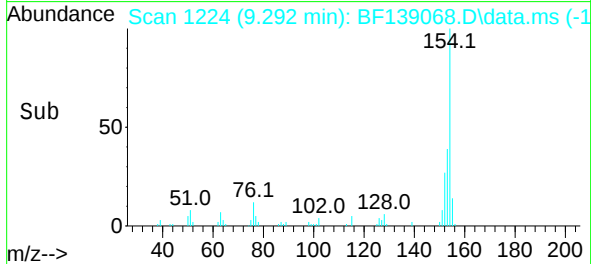
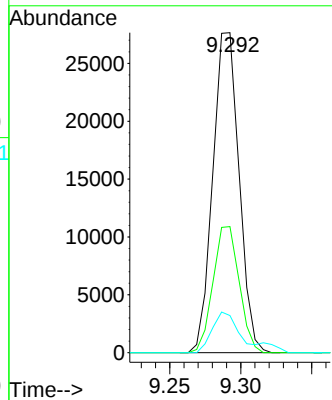
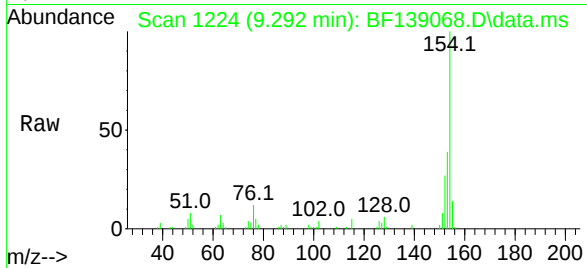
Tgt Ion:154 Resp: 35584

Ion Ratio Lower Upper

154 100

153 39.4 20.8 60.8

76 11.6 0.0 32.8



#47

2-Chloronaphthalene

Concen: 3.881 ng

RT: 9.316 min Scan# 1228

Delta R.T. -0.012 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

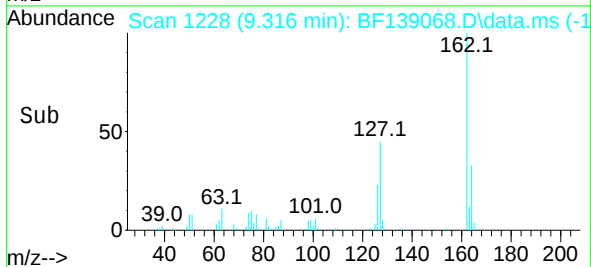
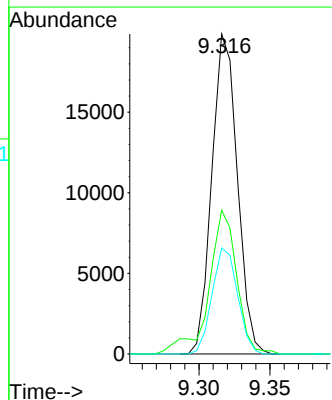
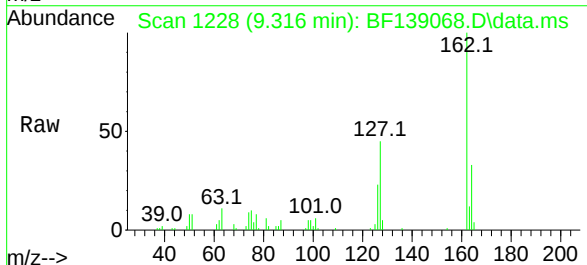
Tgt Ion:162 Resp: 24784

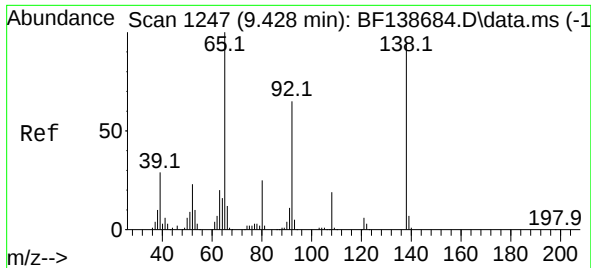
Ion Ratio Lower Upper

162 100

127 44.9 35.4 53.2

164 33.1 25.6 38.4

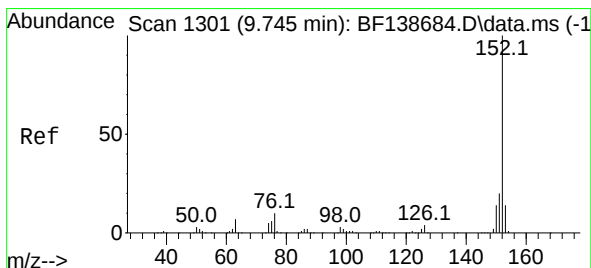
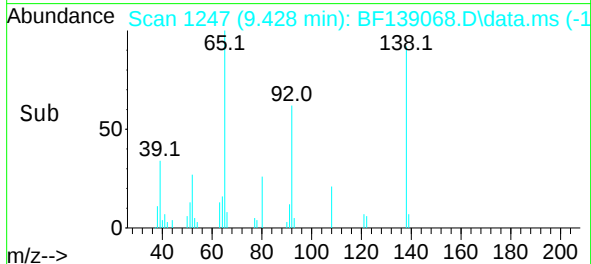
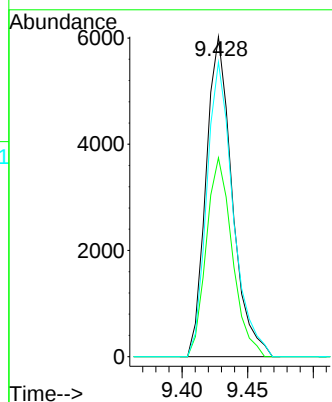
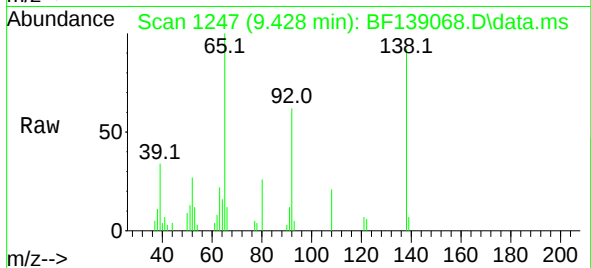




#48
2-Nitroaniline
Concen: 3.864 ng
RT: 9.428 min Scan# 1247
Delta R.T. 0.000 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

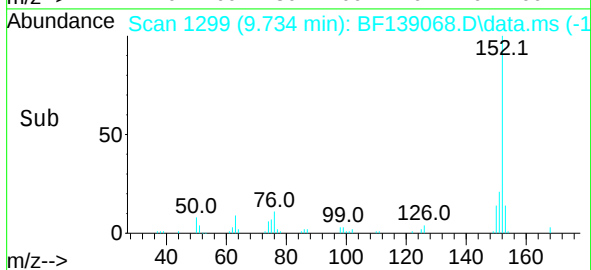
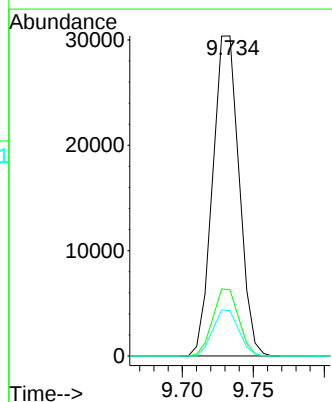
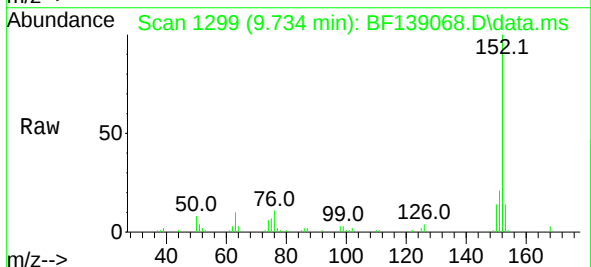
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

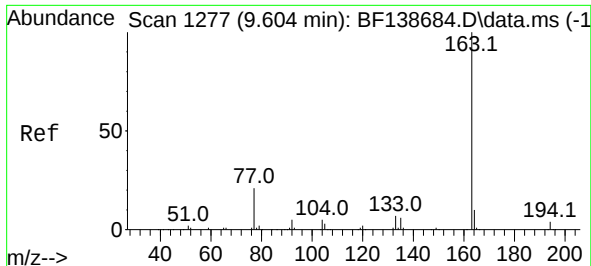
Tgt Ion: 65 Resp: 8367
Ion Ratio Lower Upper
65 100
92 62.2 52.0 78.0
138 92.1 76.2 114.4



#49
Acenaphthylene
Concen: 4.338 ng
RT: 9.734 min Scan# 1299
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Tgt Ion: 152 Resp: 39297
Ion Ratio Lower Upper
152 100
151 20.7 16.0 24.0
153 14.2 11.0 16.4

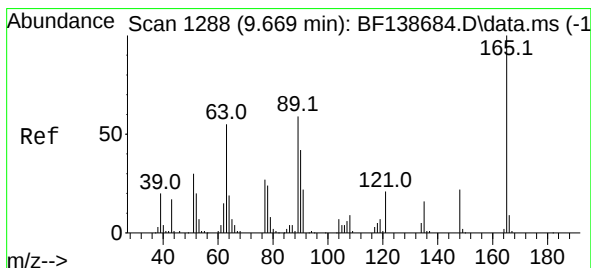
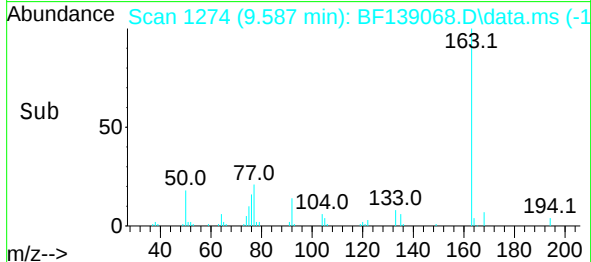
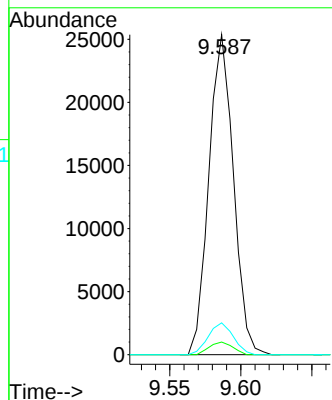
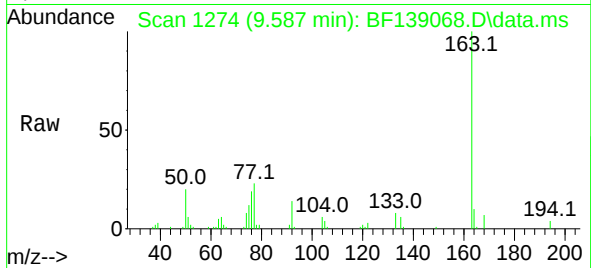




#50
Dimethylphthalate
Concen: 4.354 ng
RT: 9.587 min Scan# 1274
Delta R.T. -0.018 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

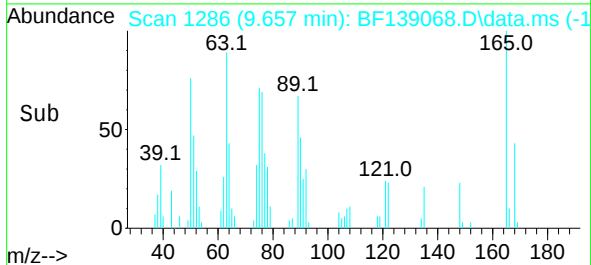
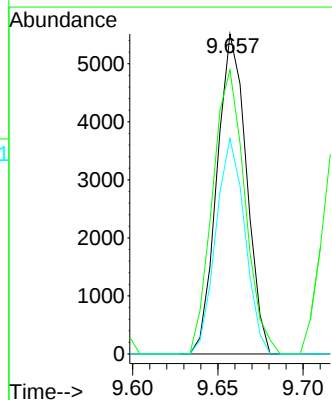
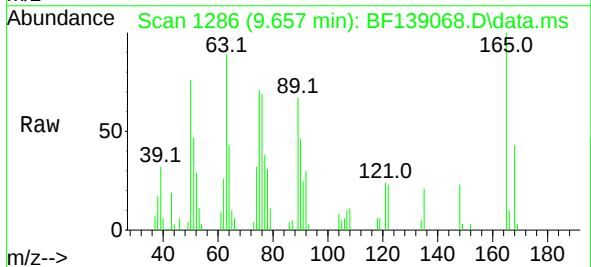
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

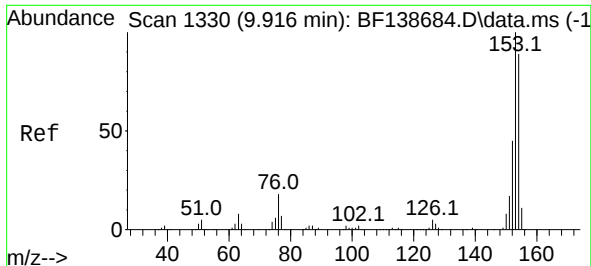
Tgt Ion:163 Resp: 30526
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.0 7.8 11.8



#51
2,6-Dinitrotoluene
Concen: 4.193 ng
RT: 9.657 min Scan# 1286
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Tgt Ion:165 Resp: 6634
Ion Ratio Lower Upper
165 100
63 88.8 52.0 78.0#
89 67.4 47.0 70.6





#52

Acenaphthene

Concen: 4.153 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.018 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

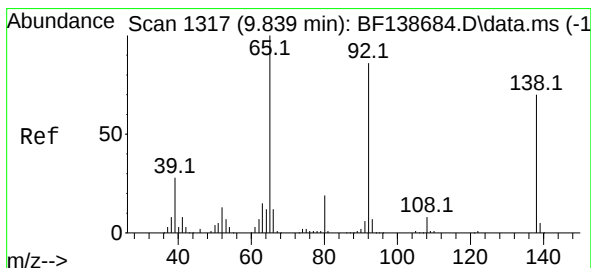
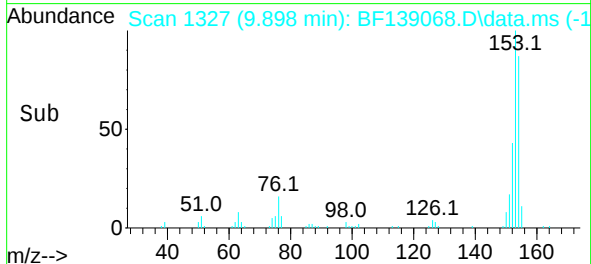
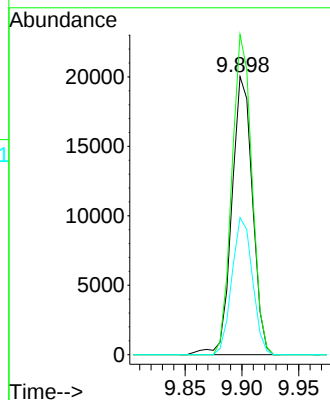
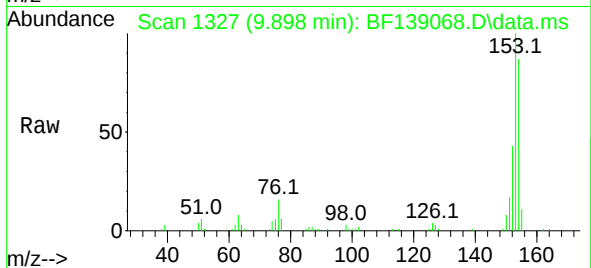
Tgt Ion:154 Resp: 25289

Ion Ratio Lower Upper

154 100

153 115.1 89.9 134.9

152 49.3 40.6 60.8



#53

3-Nitroaniline

Concen: 3.754 ng

RT: 9.839 min Scan# 1317

Delta R.T. 0.000 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

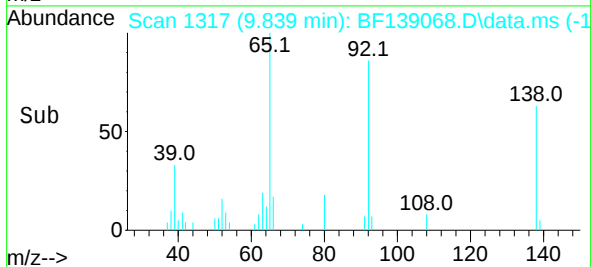
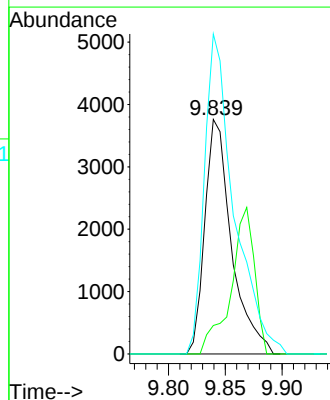
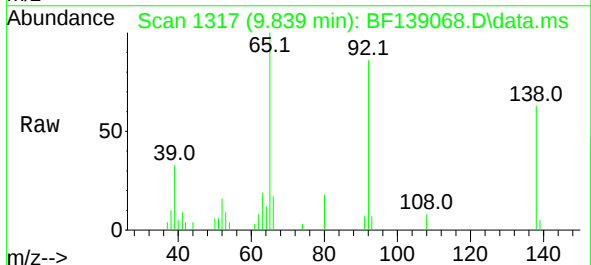
Tgt Ion:138 Resp: 6140

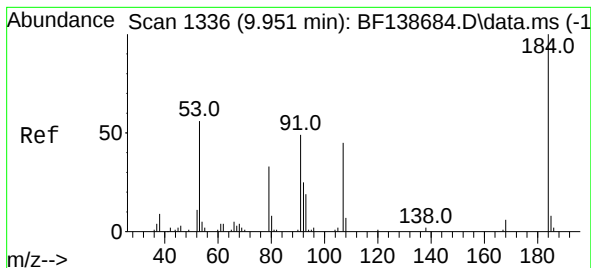
Ion Ratio Lower Upper

138 100

108 12.2 9.1 13.7

92 136.4 98.7 148.1





#54

2,4-Dinitrophenol

Concen: 0.148 ng

RT: 10.004 min Scan# 1345

Delta R.T. 0.053 min

Lab File: BF139068.D

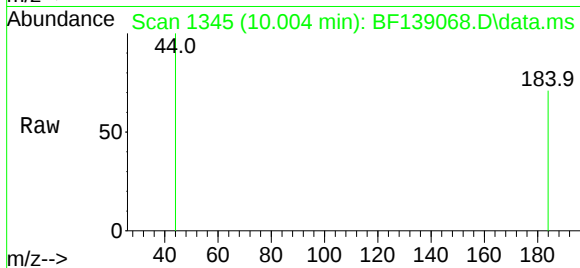
Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024



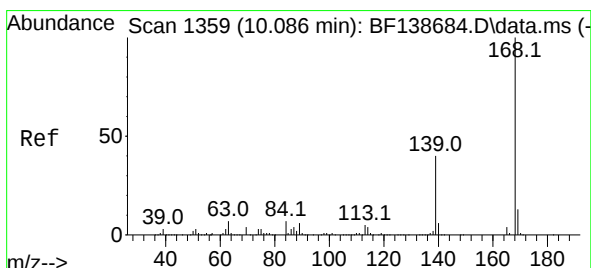
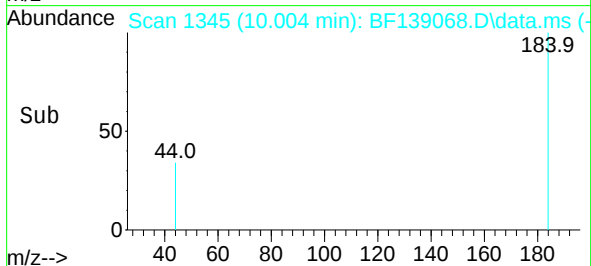
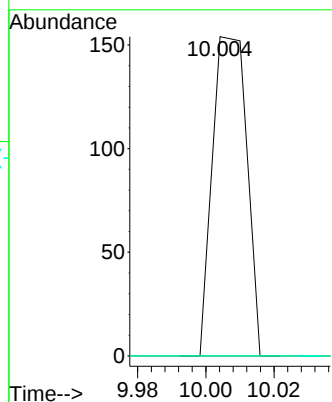
Tgt Ion:184 Resp: 108

Ion Ratio Lower Upper

184 100

63 0.0 57.5 86.3#

154 0.0 51.7 77.5#



#55

Dibenzofuran

Concen: 4.323 ng

RT: 10.075 min Scan# 1357

Delta R.T. -0.012 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

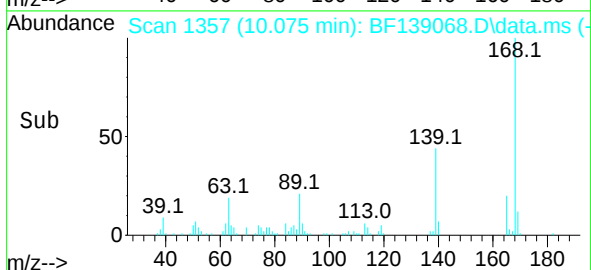
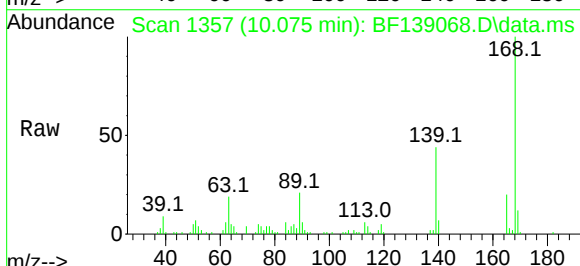
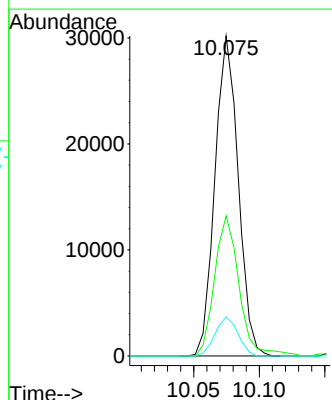
Tgt Ion:168 Resp: 37158

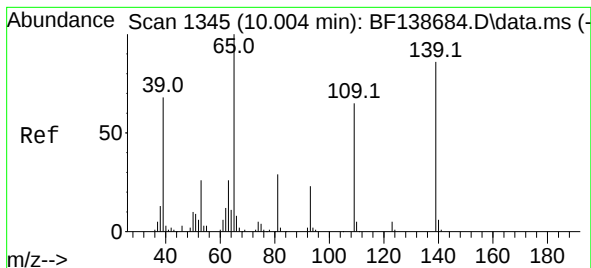
Ion Ratio Lower Upper

168 100

139 43.8 32.6 49.0

169 12.2 10.7 16.1





#56

4-Nitrophenol

Concen: 17.421 ng

RT: 10.075 min Scan# 1345

Delta R.T. 0.071 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

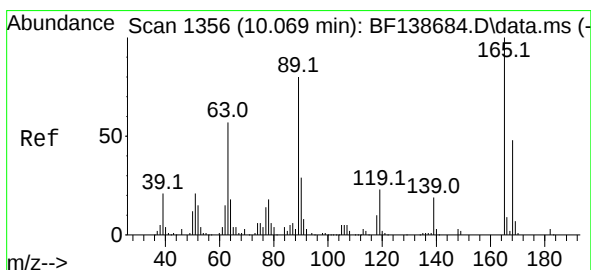
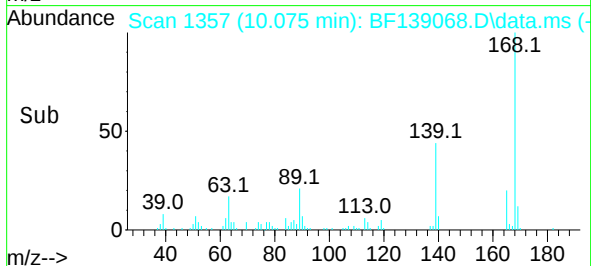
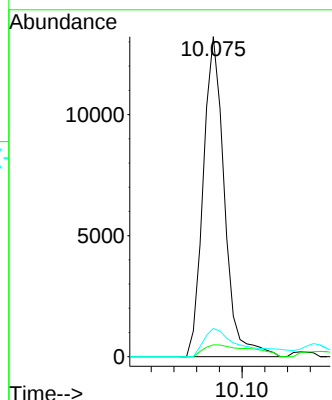
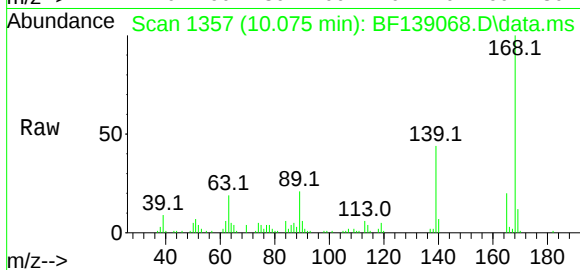
Tgt Ion:139 Resp: 17136

Ion Ratio Lower Upper

139 100

109 3.7 55.5 95.5#

65 8.8 96.7 136.7#



#57

2,4-Dinitrotoluene

Concen: 4.036 ng

RT: 10.075 min Scan# 1357

Delta R.T. 0.006 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Tgt Ion:165 Resp: 8148

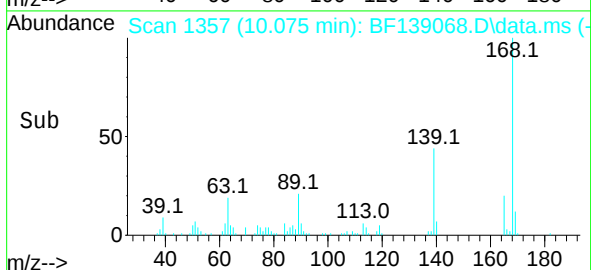
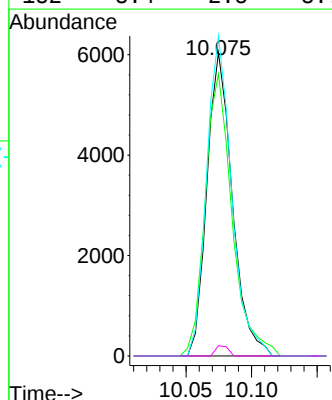
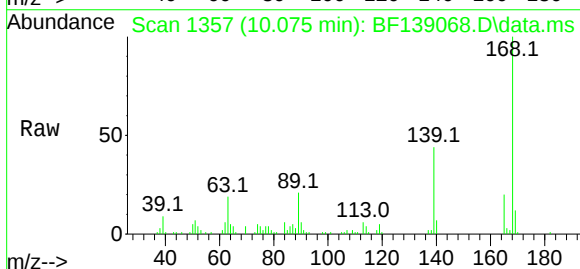
Ion Ratio Lower Upper

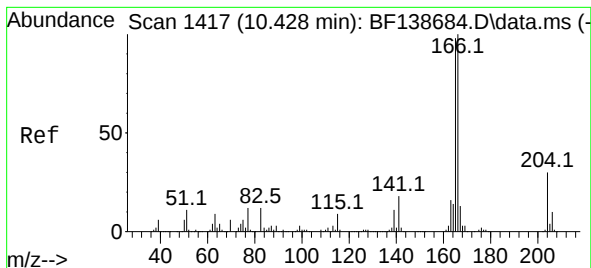
165 100

63 93.0 46.3 69.5#

89 105.5 64.2 96.4#

182 3.4 2.5 3.7





#58

Fluorene

Concen: 4.279 ng

RT: 10.416 min Scan# 1417

Delta R.T. -0.012 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

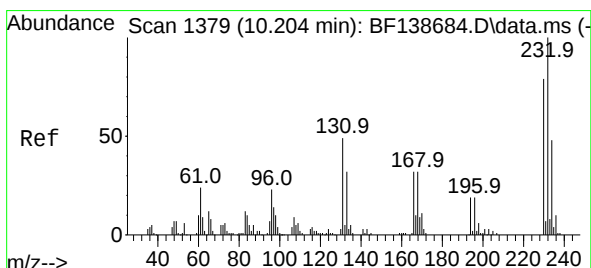
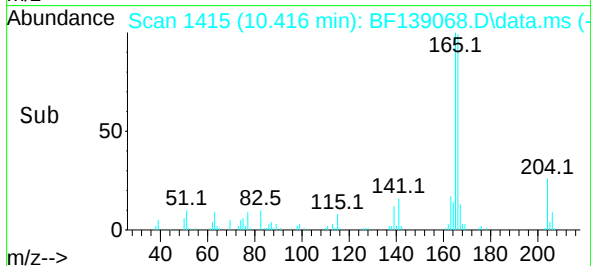
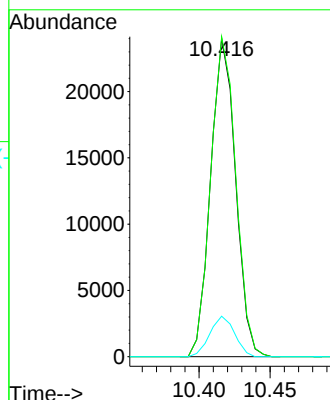
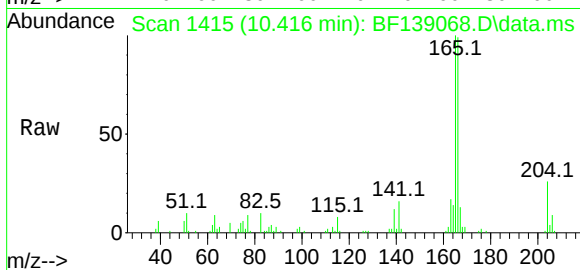
Tgt Ion:166 Resp: 29288

Ion Ratio Lower Upper

166 100

165 100.5 78.4 117.6

167 12.7 10.6 16.0



#59

2,3,4,6-Tetrachlorophenol

Concen: 3.421 ng

RT: 10.210 min Scan# 1380

Delta R.T. 0.006 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Tgt Ion:232 Resp: 5310

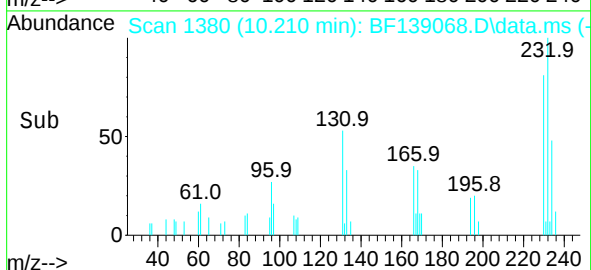
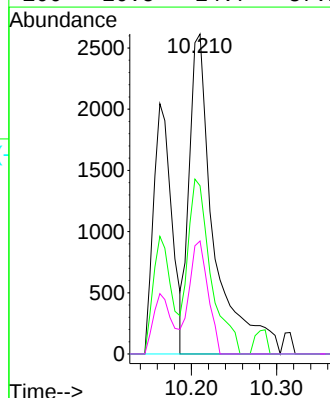
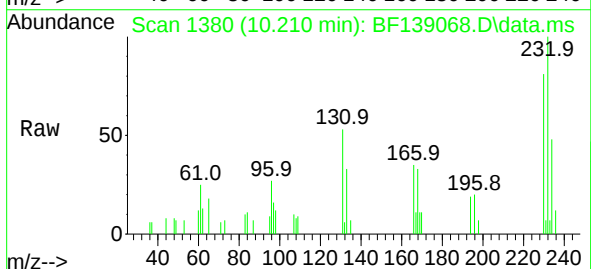
Ion Ratio Lower Upper

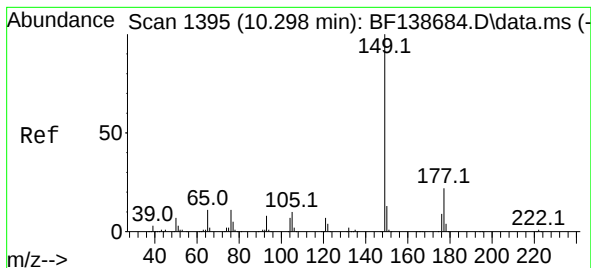
232 100

131 50.1 37.0 55.4

130 0.0 2.0 3.0#

166 26.5 24.7 37.1





#60

Diethylphthalate

Concen: 4.631 ng

RT: 10.286 min Scan# 1413

Delta R.T. -0.012 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

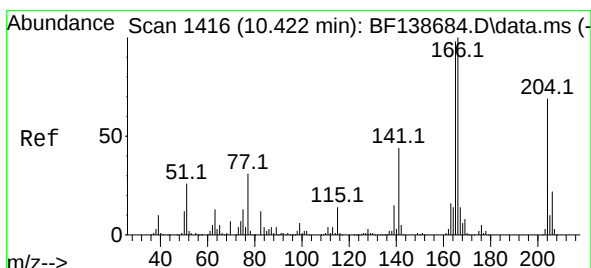
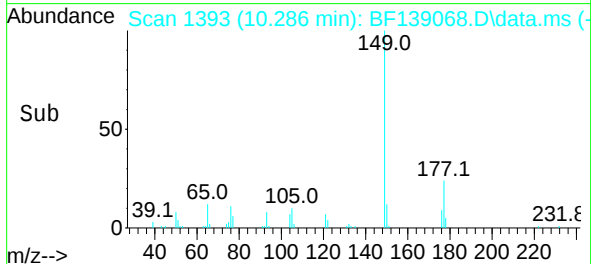
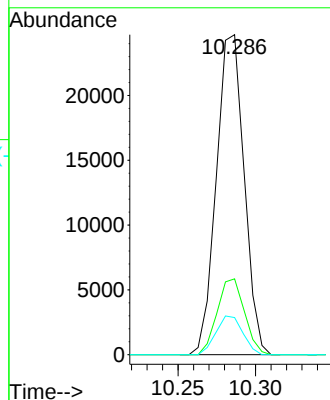
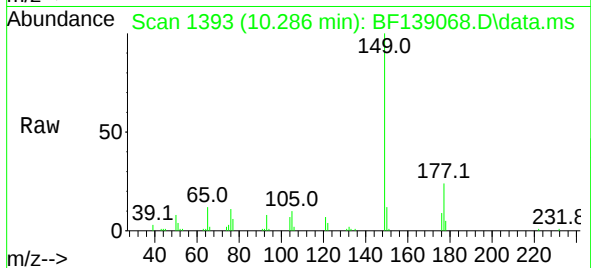
Tgt Ion:149 Resp: 30782

Ion Ratio Lower Upper

149 100

177 23.7 17.8 26.8

150 11.6 10.1 15.1



#61

4-Chlorophenyl-phenylether

Concen: 4.415 ng

RT: 10.404 min Scan# 1413

Delta R.T. -0.018 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

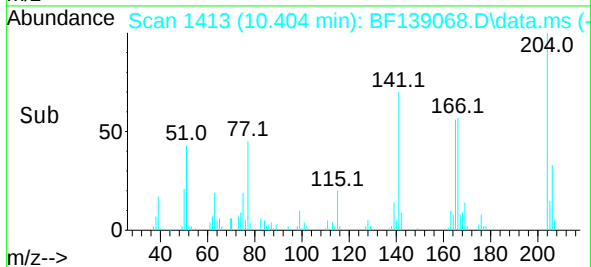
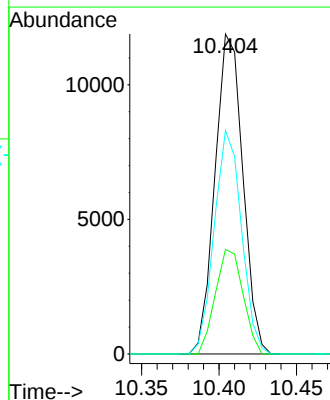
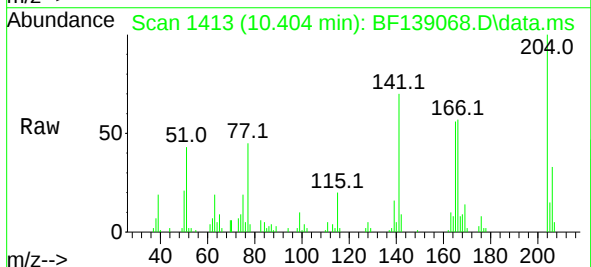
Tgt Ion:204 Resp: 14863

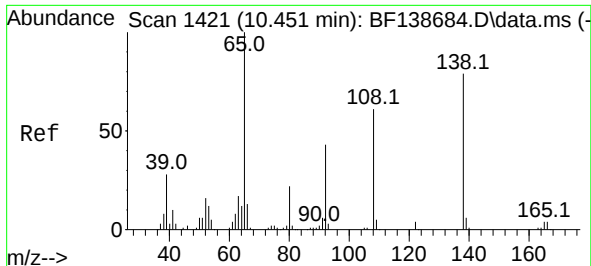
Ion Ratio Lower Upper

204 100

206 32.7 26.1 39.1

141 69.9 51.4 77.0





#62

4-Nitroaniline

Concen: 3.410 ng

RT: 10.457 min Scan# 1421

Delta R.T. 0.006 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

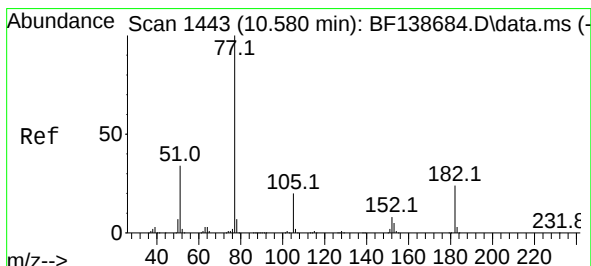
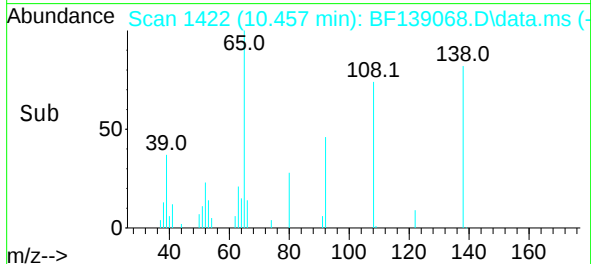
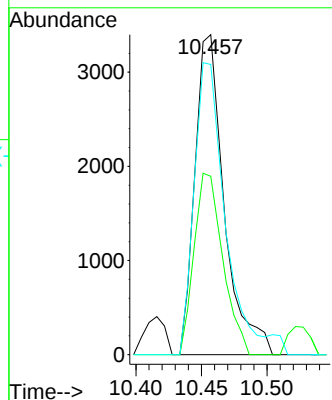
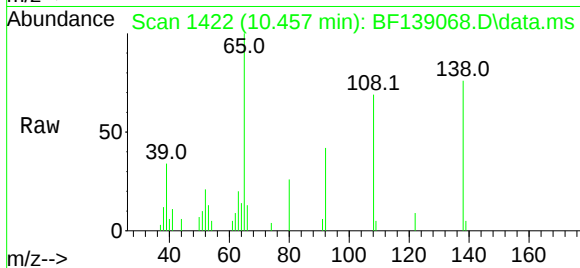
Tgt Ion:138 Resp: 5301

Ion Ratio Lower Upper

138 100

92 55.8 34.2 74.2

108 90.7 56.2 96.2



#63

Azobenzene

Concen: 4.347 ng

RT: 10.569 min Scan# 1441

Delta R.T. -0.012 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Tgt Ion: 77 Resp: 32047

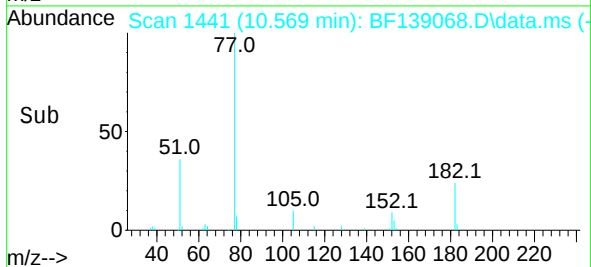
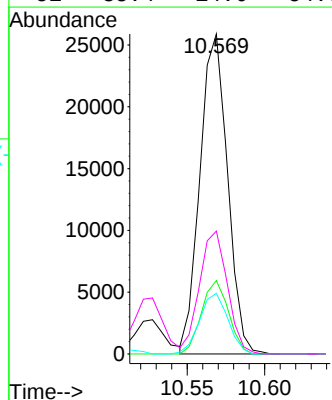
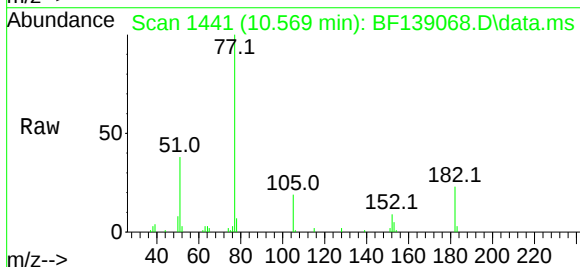
Ion Ratio Lower Upper

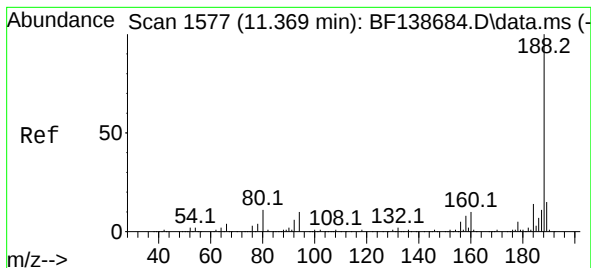
77 100

182 23.0 3.4 43.4

105 19.0 0.2 40.2

51 38.4 14.6 54.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

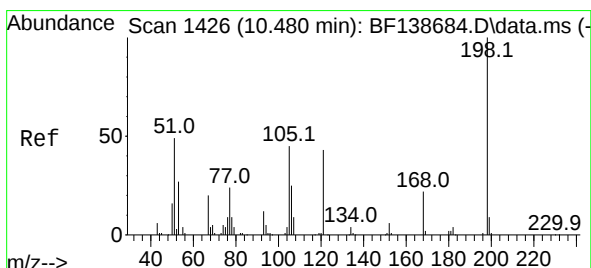
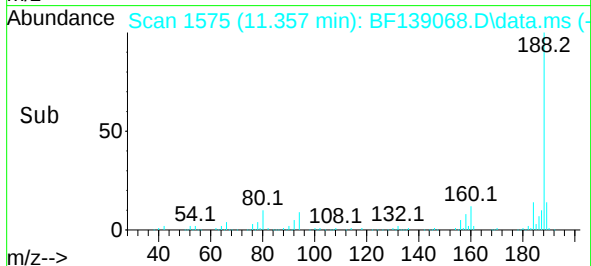
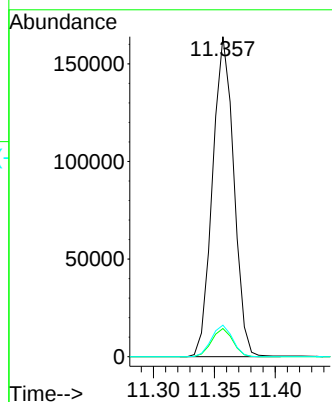
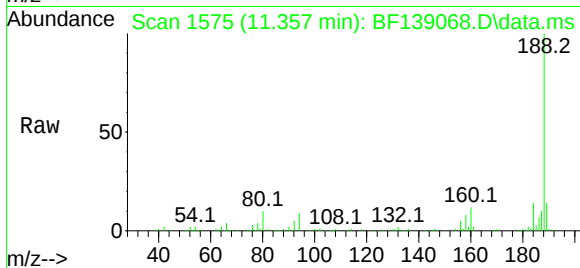
Tgt Ion:188 Resp: 199224

Ion Ratio Lower Upper

188 100

94 8.8 7.6 11.4

80 9.9 8.6 12.8



#65

4,6-Dinitro-2-methylphenol

Concen: 1.865 ng

RT: 10.498 min Scan# 1429

Delta R.T. 0.018 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

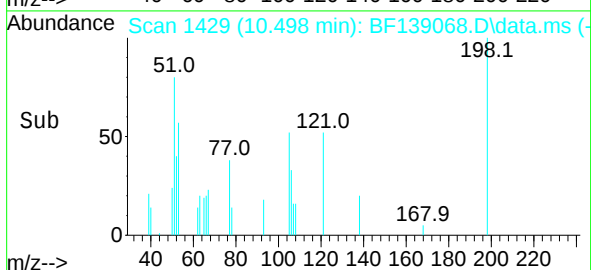
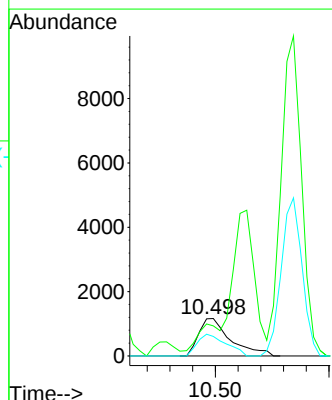
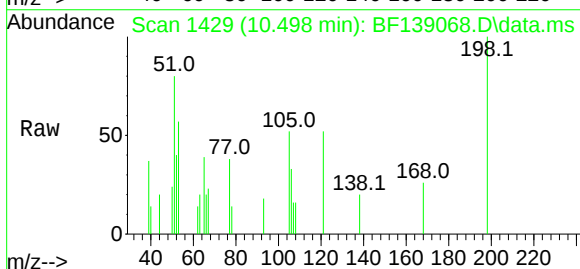
Tgt Ion:198 Resp: 2267

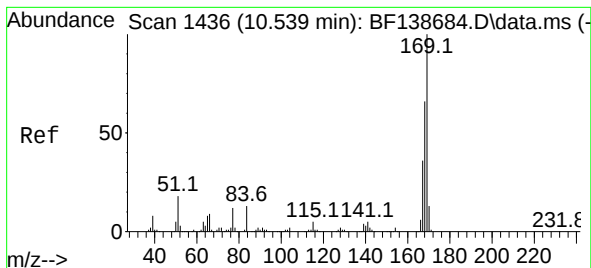
Ion Ratio Lower Upper

198 100

51 80.5 39.9 79.9#

105 52.3 26.1 66.1

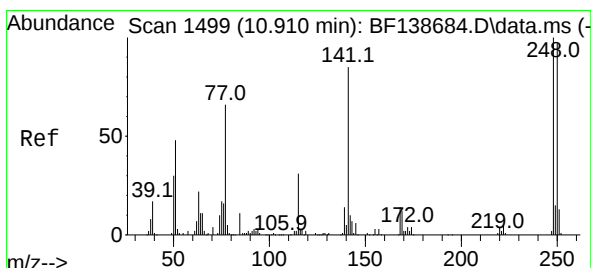
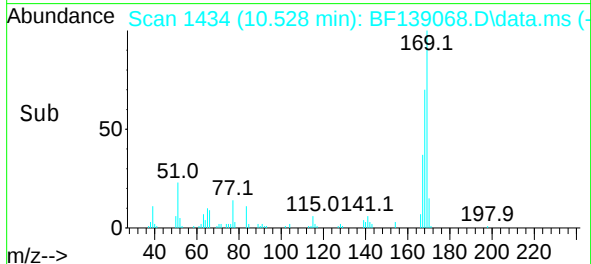
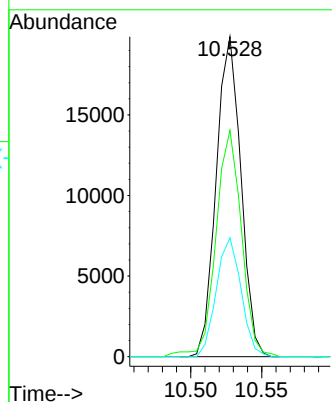
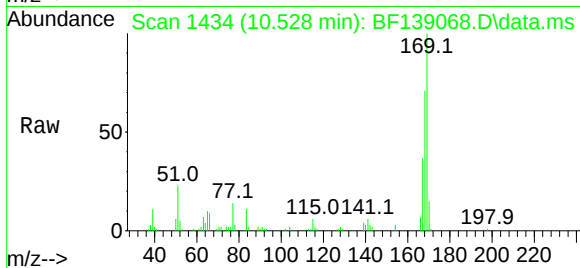




#66
n-Nitrosodiphenylamine
Concen: 3.853 ng
RT: 10.528 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

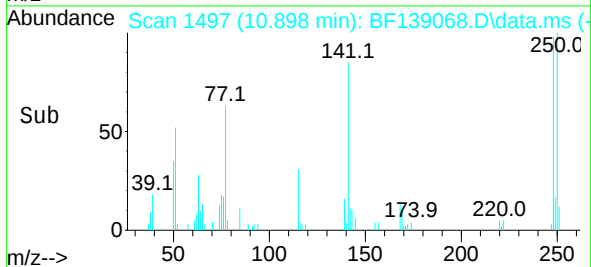
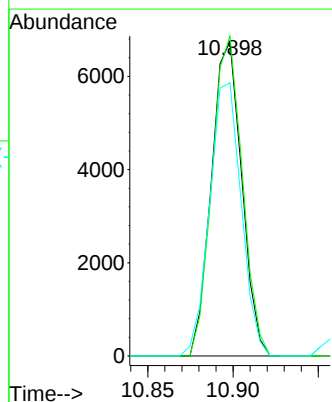
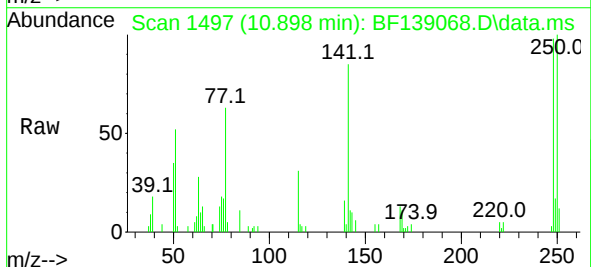
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

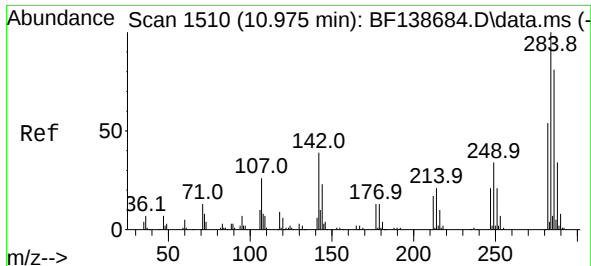
Tgt Ion:169 Resp: 23993
Ion Ratio Lower Upper
169 100
168 70.7 53.0 79.6
167 37.2 29.0 43.6



#67
4-Bromophenyl-phenylether
Concen: 3.859 ng
RT: 10.898 min Scan# 1497
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Tgt Ion:248 Resp: 8323
Ion Ratio Lower Upper
248 100
250 101.7 77.7 116.5
141 86.9 68.0 102.0

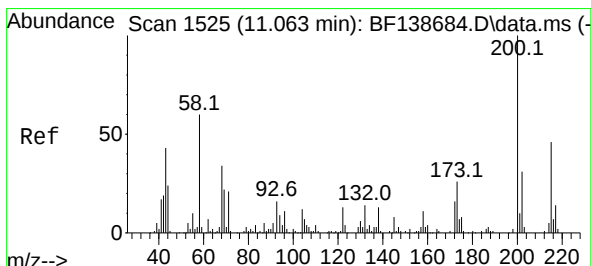
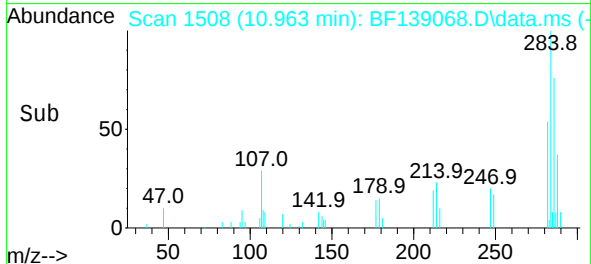
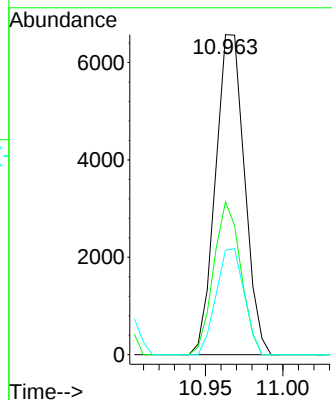
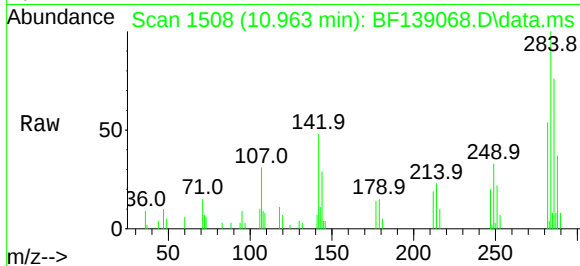




#68
Hexachlorobenzene
Concen: 3.852 ng
RT: 10.963 min Scan# 1508
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

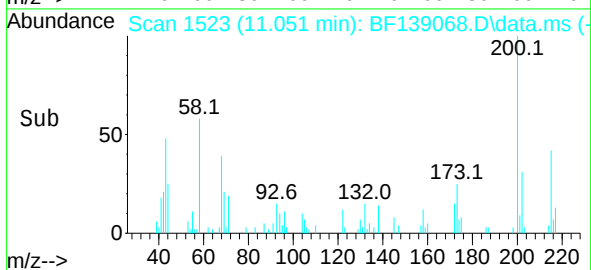
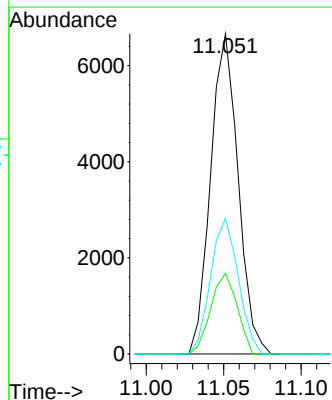
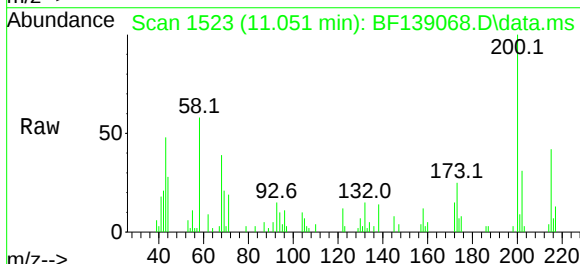
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

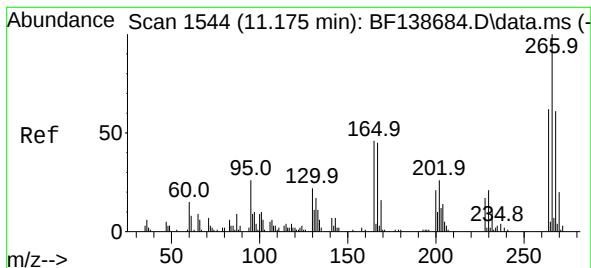
Tgt Ion:284 Resp: 8579
Ion Ratio Lower Upper
284 100
142 47.7 31.3 46.9#
249 32.7 27.2 40.8



#69
Atrazine
Concen: 5.111 ng
RT: 11.051 min Scan# 1523
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Tgt Ion:200 Resp: 8212
Ion Ratio Lower Upper
200 100
173 25.2 6.0 46.0
215 42.3 26.1 66.1





#70

Pentachlorophenol

Concen: 0.304 ng

RT: 11.204 min Scan# 1549

Delta R.T. 0.029 min

Lab File: BF139068.D

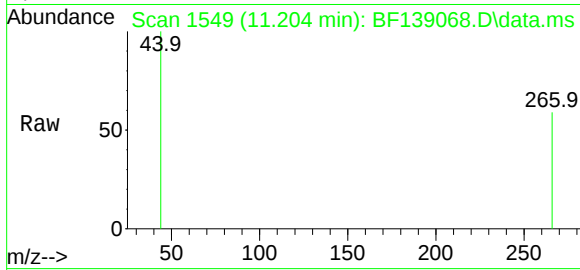
Acq: 19 Aug 2024 11:16

Instrument :

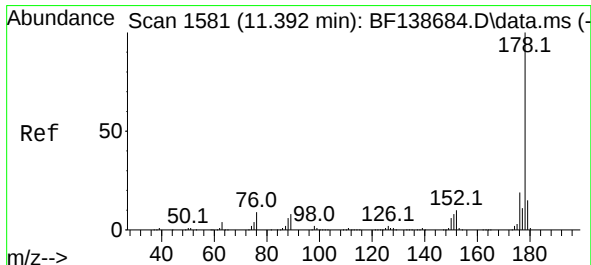
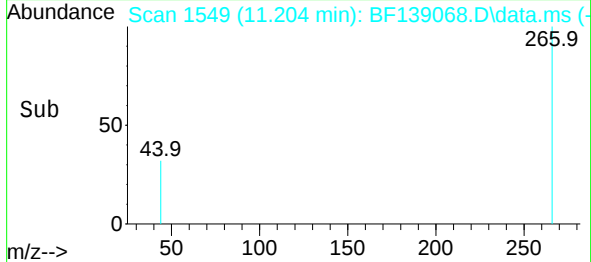
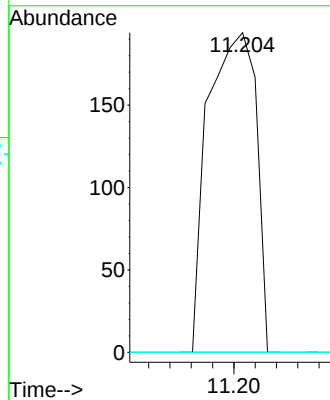
BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024



Tgt Ion:	266	Resp:	305
Ion Ratio	Lower	Upper	
266	100		
268	0.0	49.2	73.8#
264	0.0	49.8	74.6#



#71

Phenanthrene

Concen: 4.073 ng

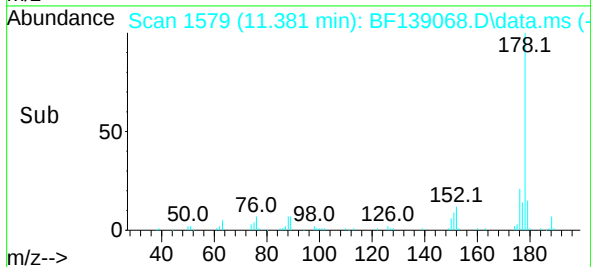
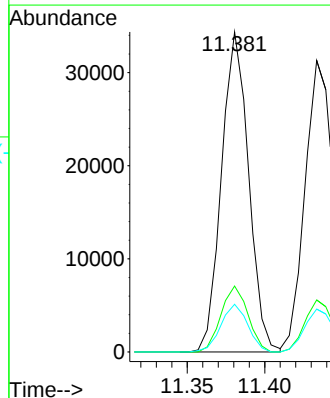
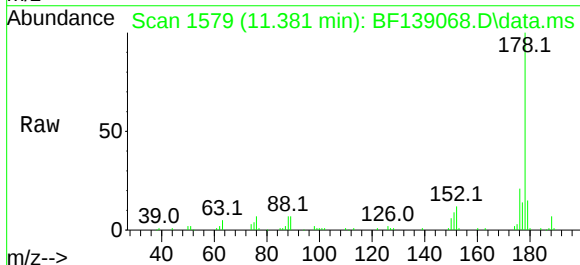
RT: 11.381 min Scan# 1579

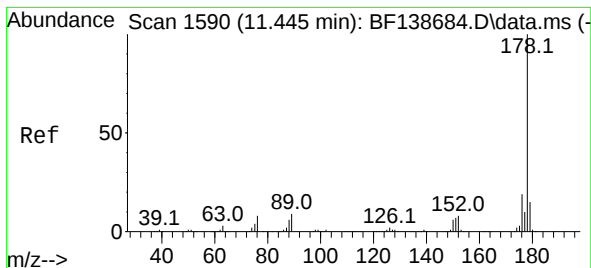
Delta R.T. -0.012 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Tgt Ion:	178	Resp:	41787
Ion Ratio	Lower	Upper	
178	100		
176	20.6	15.4	23.0
179	14.9	12.2	18.2





#72

Anthracene

Concen: 4.097 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.012 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

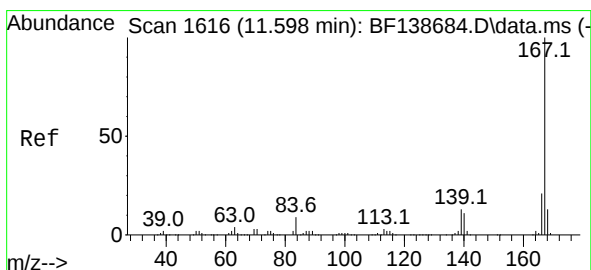
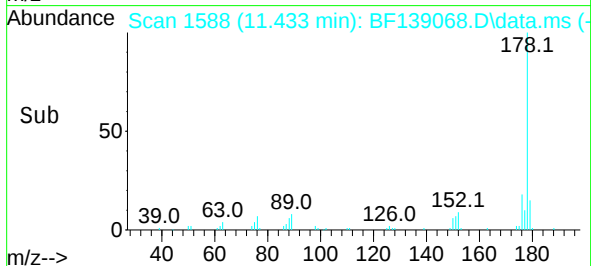
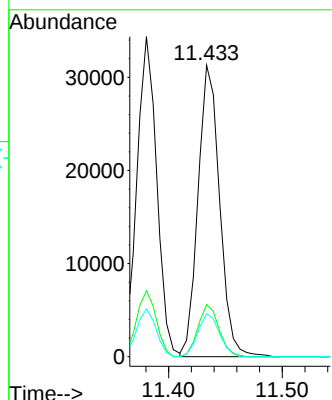
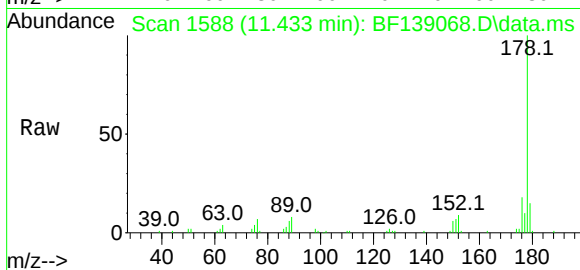
Tgt Ion:178 Resp: 41405

Ion Ratio Lower Upper

178 100

176 17.8 14.9 22.3

179 14.7 12.4 18.6



#73

Carbazole

Concen: 3.975 ng

RT: 11.598 min Scan# 1616

Delta R.T. 0.000 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

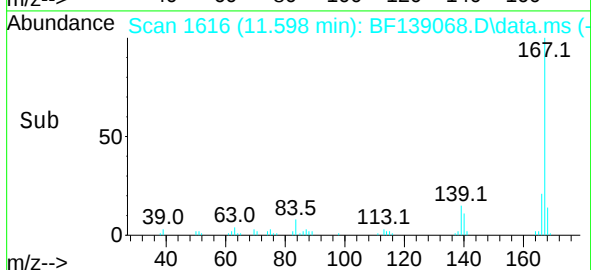
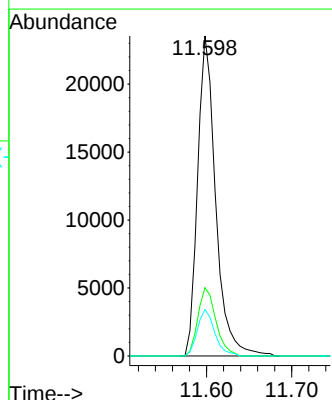
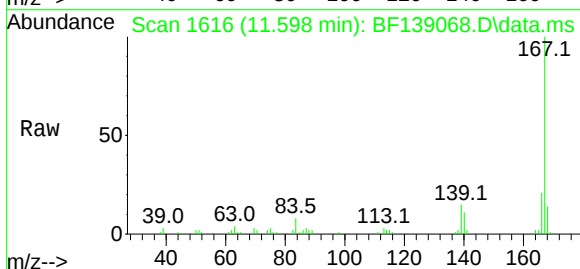
Tgt Ion:167 Resp: 34657

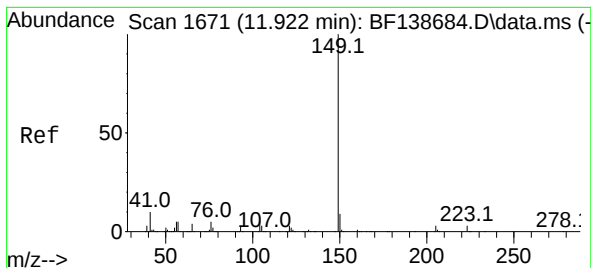
Ion Ratio Lower Upper

167 100

166 21.4 17.2 25.8

139 14.5 10.6 16.0





#74

Di-n-butylphthalate

Concen: 4.586 ng

RT: 11.910 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

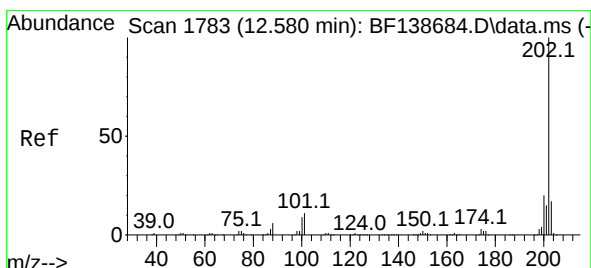
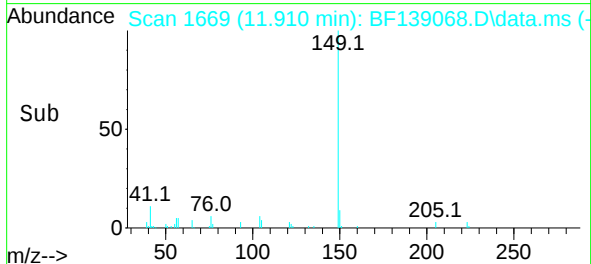
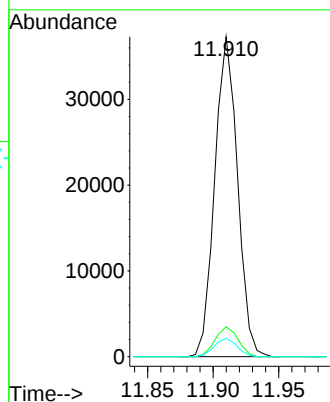
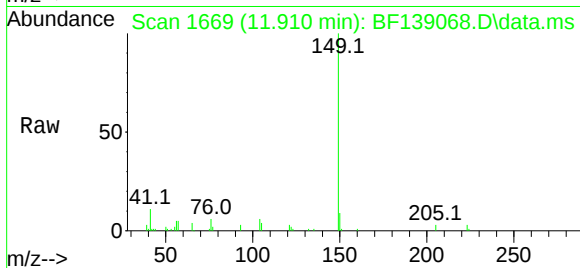
Tgt Ion:149 Resp: 44952

Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.0

104 5.7 4.1 6.1



#75

Fluoranthene

Concen: 4.311 ng

RT: 12.575 min Scan# 1782

Delta R.T. -0.006 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

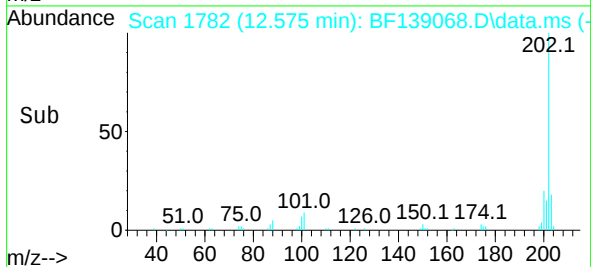
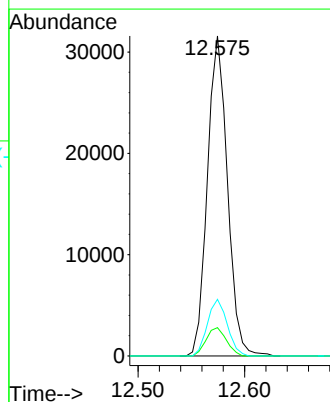
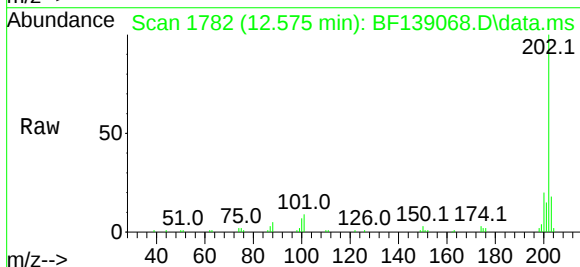
Tgt Ion:202 Resp: 41283

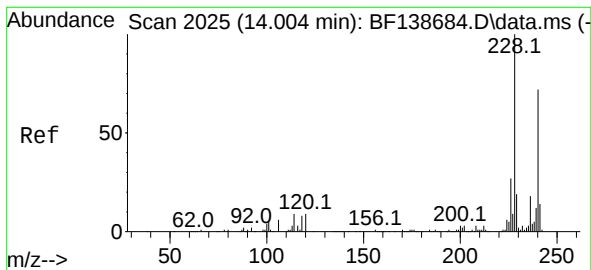
Ion Ratio Lower Upper

202 100

101 8.9 0.0 31.2

203 17.7 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

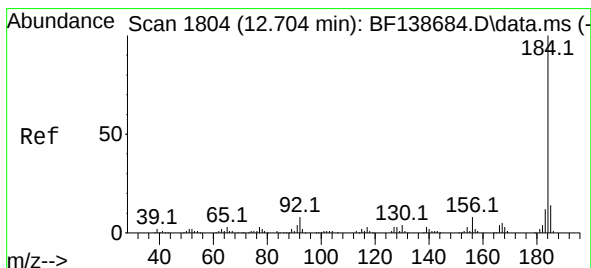
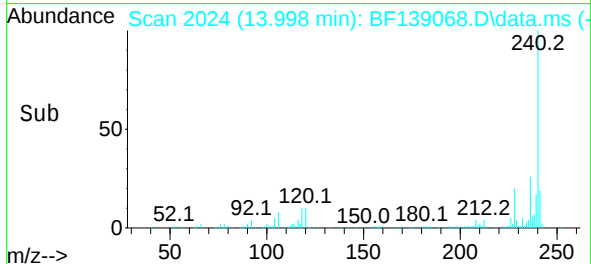
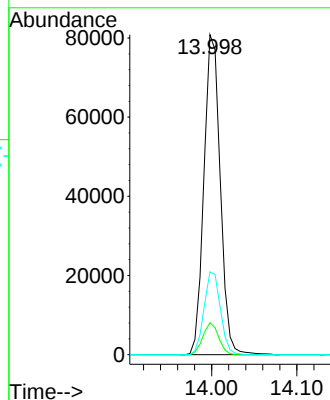
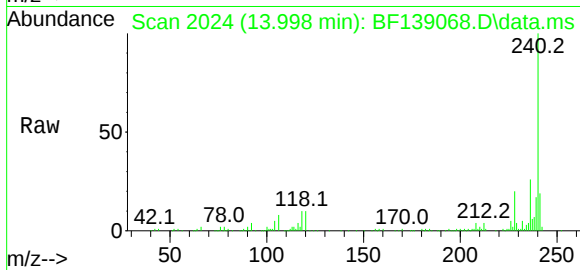
Tgt Ion:240 Resp: 107712

Ion Ratio Lower Upper

240 100

120 10.0 10.2 15.4#

236 25.9 19.8 29.8



#77

Benzidine

Concen: 2.156 ng

RT: 12.704 min Scan# 1804

Delta R.T. -0.000 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

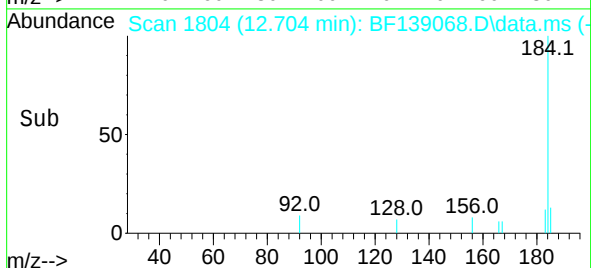
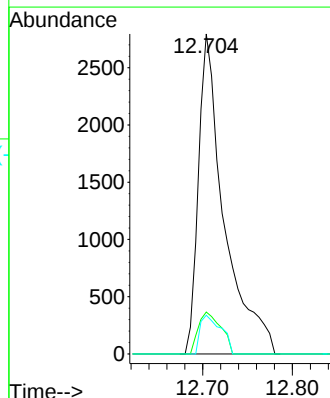
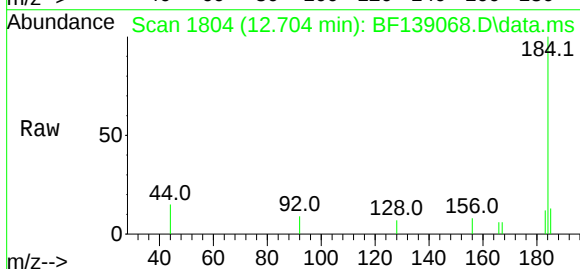
Tgt Ion:184 Resp: 5554

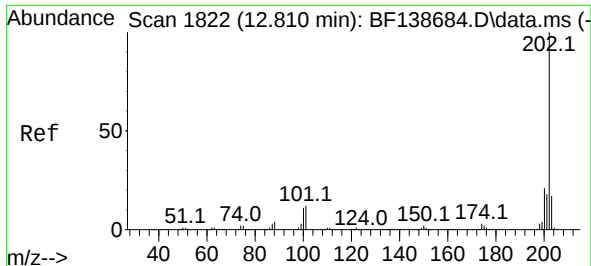
Ion Ratio Lower Upper

184 100

185 13.1 11.1 16.7

183 12.1 9.6 14.4

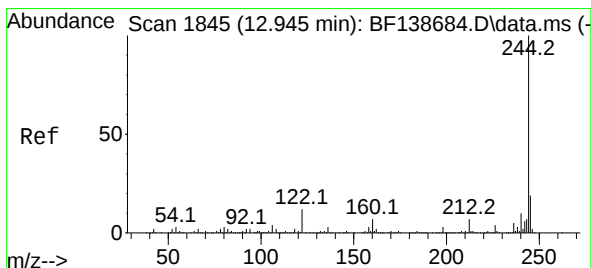
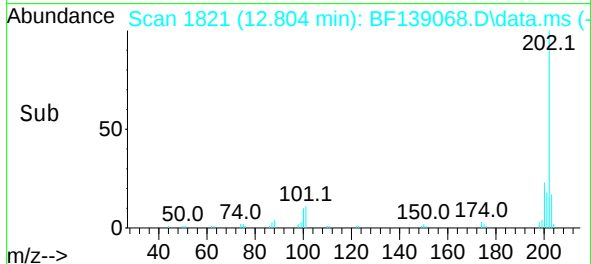
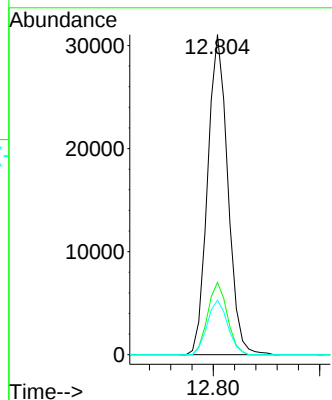
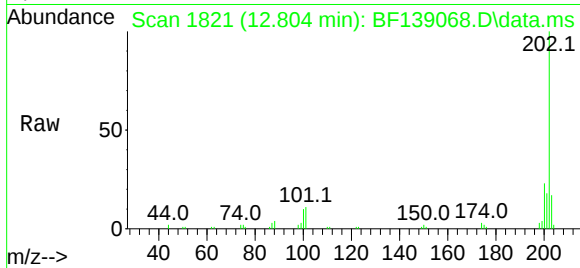




#78
Pyrene
Concen: 4.027 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

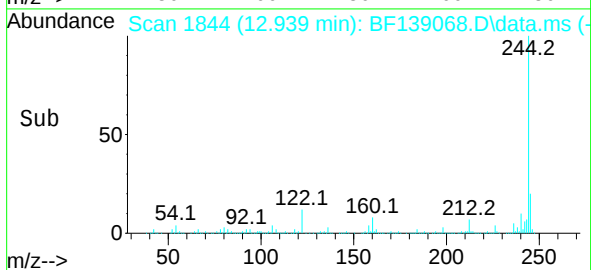
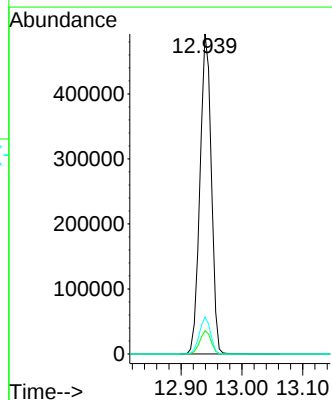
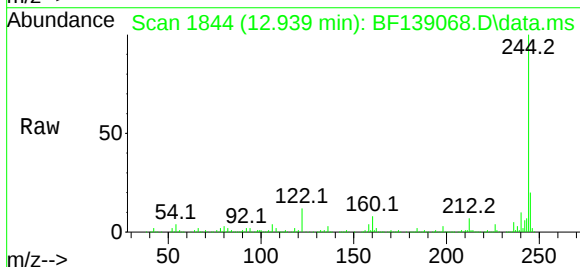
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

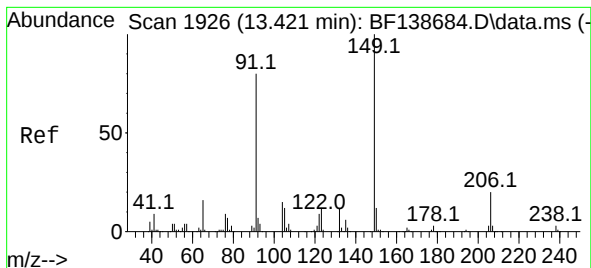
Tgt Ion:202 Resp: 40843
Ion Ratio Lower Upper
202 100
200 22.6 16.8 25.2
203 17.1 13.8 20.6



#79
Terphenyl-d14
Concen: 99.003 ng
RT: 12.939 min Scan# 1844
Delta R.T. -0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Tgt Ion:244 Resp: 636926
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.2
122 11.6 9.6 14.4





#80

Butylbenzylphthalate

Concen: 4.507 ng

RT: 13.410 min Scan# 1926

Delta R.T. -0.012 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

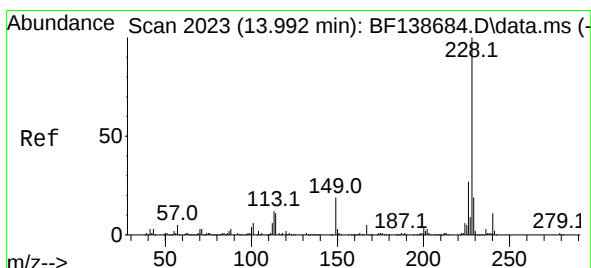
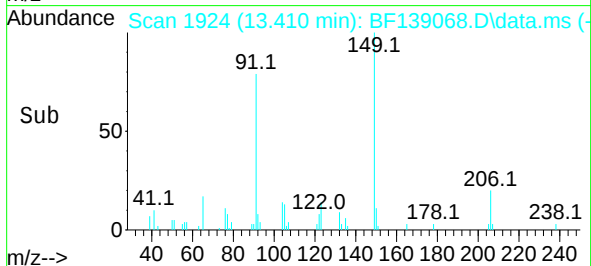
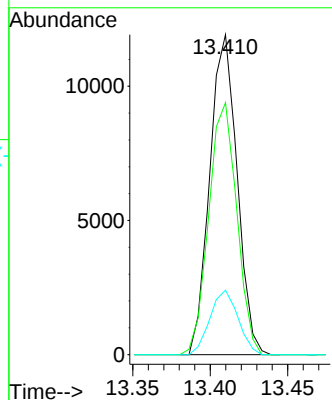
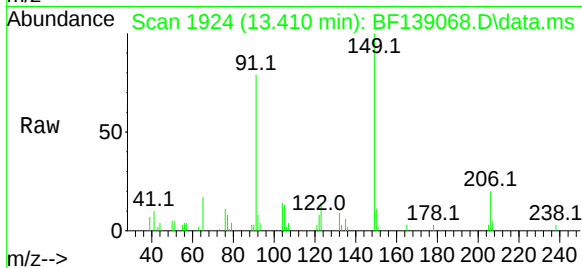
Tgt Ion:149 Resp: 14637

Ion Ratio Lower Upper

149 100

91 78.8 63.7 95.5

206 20.2 16.2 24.2



#81

Benzo(a)anthracene

Concen: 4.257 ng

RT: 13.992 min Scan# 2023

Delta R.T. 0.000 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

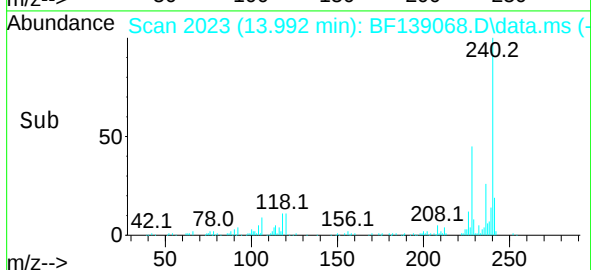
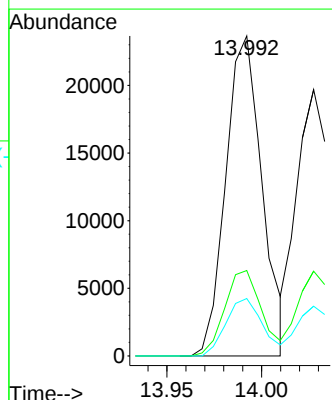
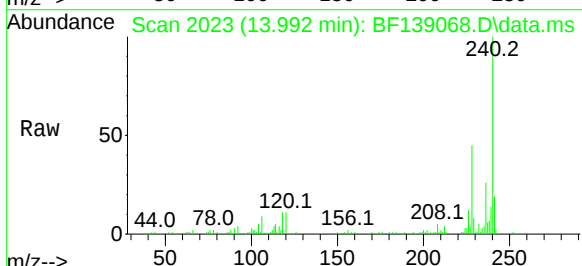
Tgt Ion:228 Resp: 31573

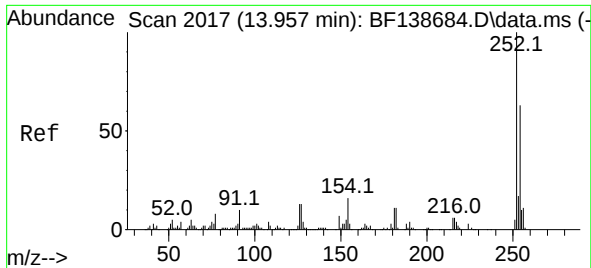
Ion Ratio Lower Upper

228 100

226 26.7 22.1 33.1

229 18.0 15.4 23.0

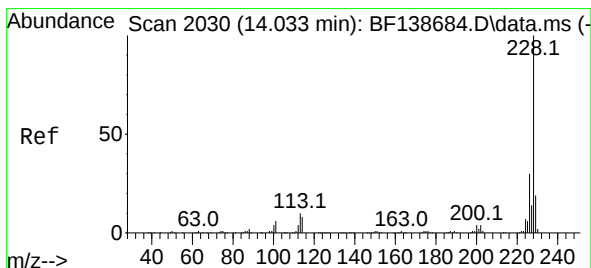
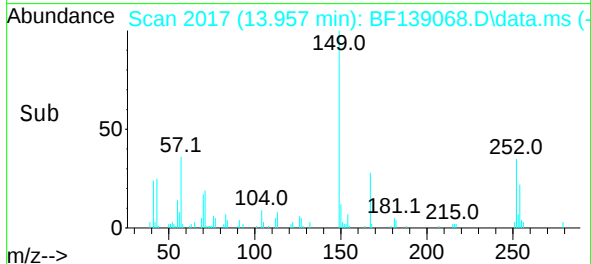
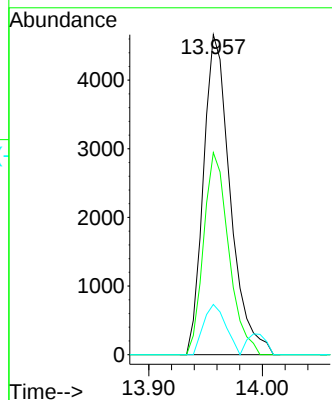
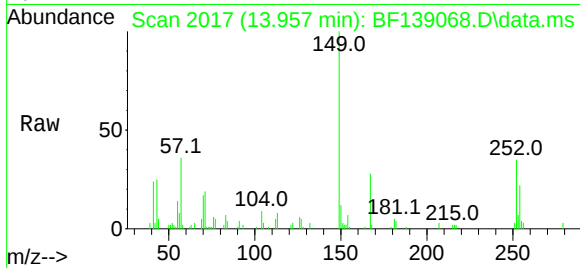




#82
3,3'-Dichlorobenzidine
Concen: 4.022 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

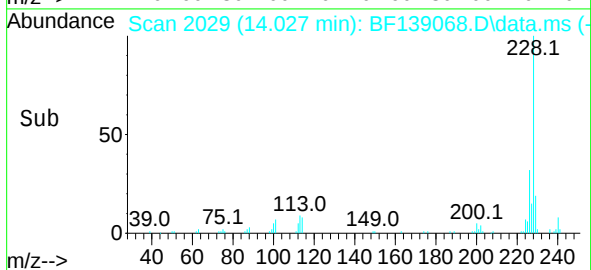
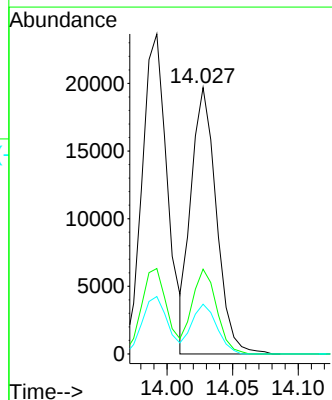
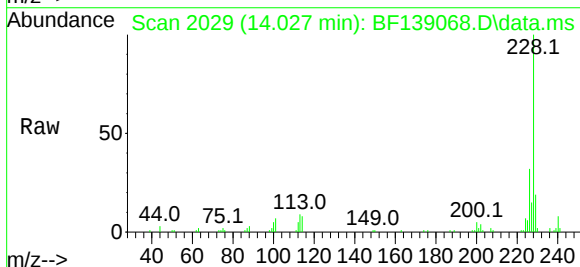
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

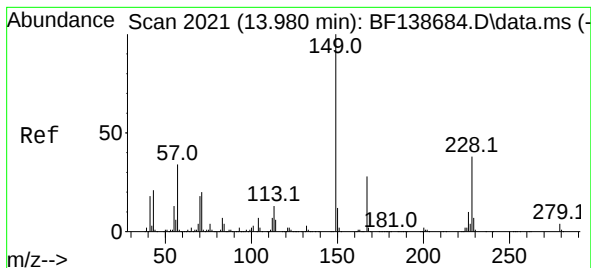
Tgt Ion:252 Resp: 7635
Ion Ratio Lower Upper
252 100
254 63.1 50.8 76.2
126 15.7 10.2 15.2#



#83
Chrysene
Concen: 3.952 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Tgt Ion:228 Resp: 26443
Ion Ratio Lower Upper
228 100
226 31.8 23.7 35.5
229 18.7 15.0 22.6

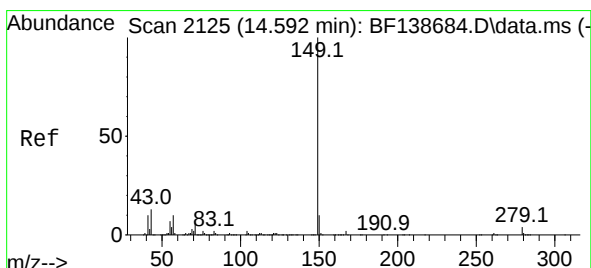
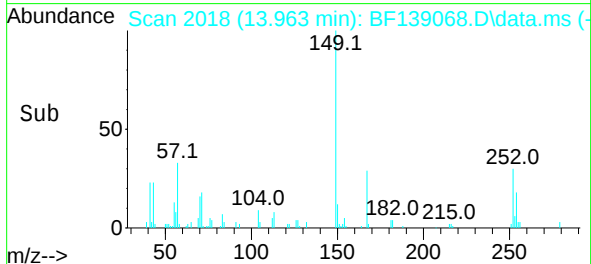
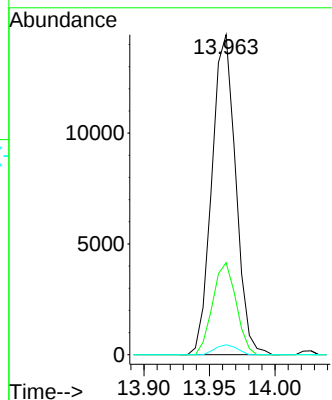
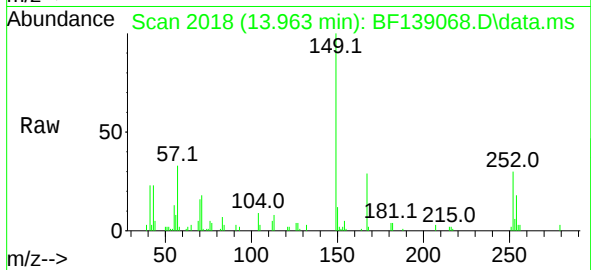




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.837 ng
RT: 13.963 min Scan# 2021
Delta R.T. -0.018 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

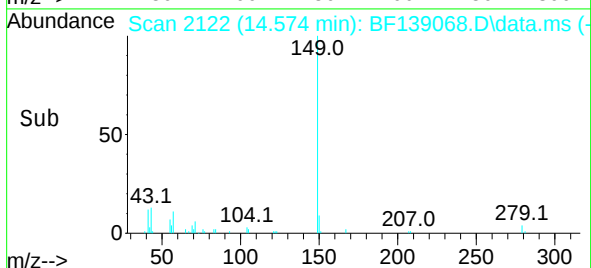
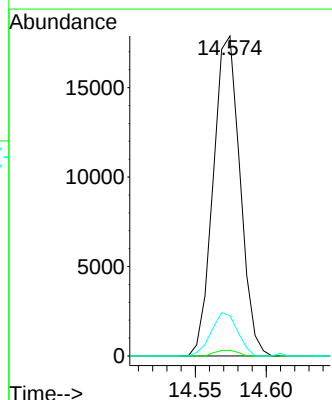
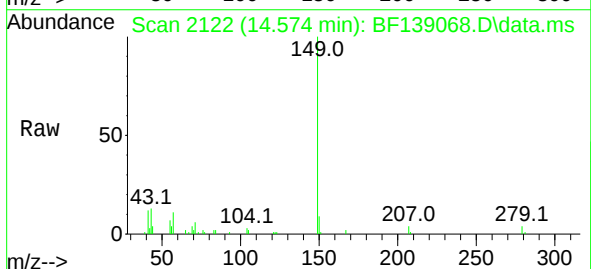
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

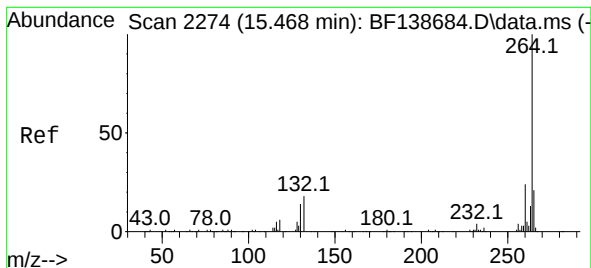
Tgt Ion:149 Resp: 18247
Ion Ratio Lower Upper
149 100
167 28.7 22.2 33.4
279 3.1 3.4 5.0#



#85
Di-n-octyl phthalate
Concen: 2.665 ng
RT: 14.574 min Scan# 2122
Delta R.T. -0.018 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Tgt Ion:149 Resp: 23445
Ion Ratio Lower Upper
149 100
167 1.5 1.4 2.0
43 13.3 10.4 15.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.469 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

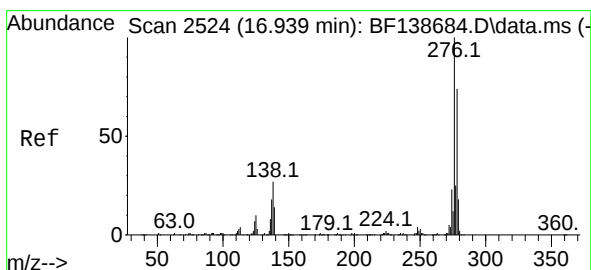
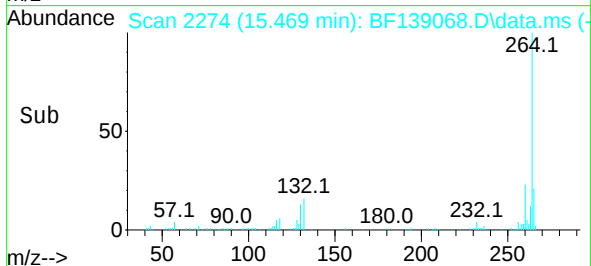
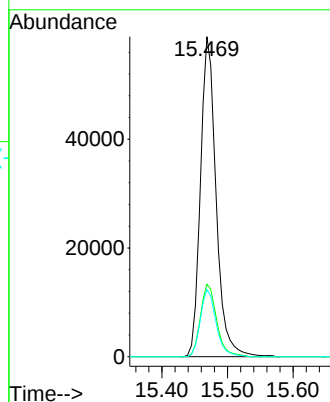
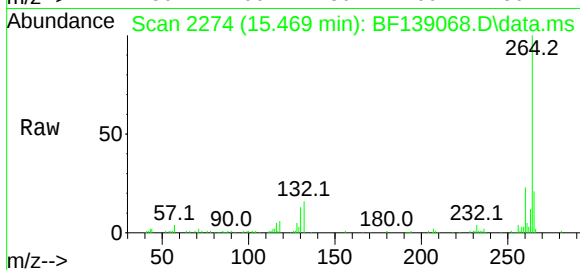
Tgt Ion:264 Resp: 97675

Ion Ratio Lower Upper

264 100

260 22.7 19.0 28.6

265 21.0 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.402 ng

RT: 16.963 min Scan# 2528

Delta R.T. 0.024 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

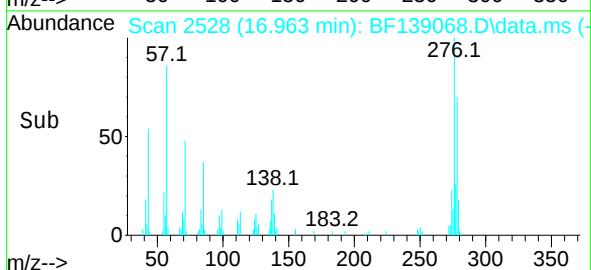
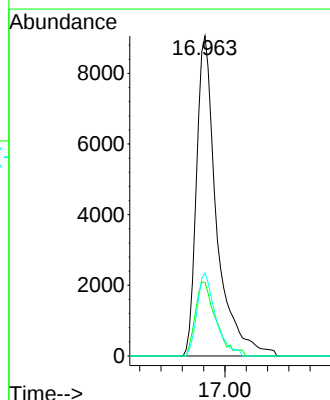
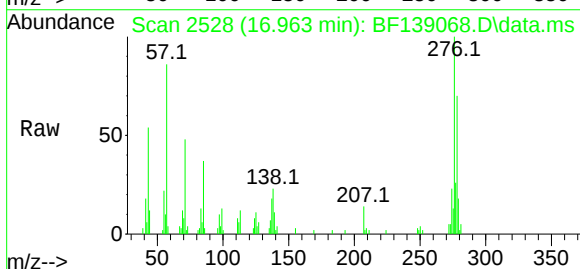
Tgt Ion:276 Resp: 23810

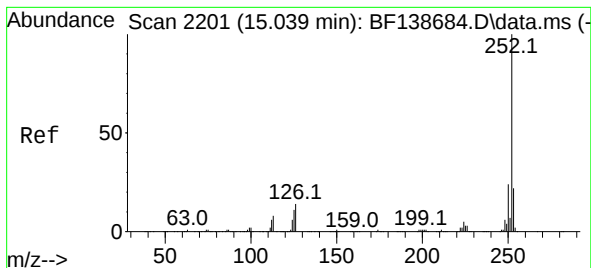
Ion Ratio Lower Upper

276 100

138 23.5 21.8 32.8

277 23.8 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 3.180 ng

RT: 15.074 min Scan# 2207

Delta R.T. 0.035 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

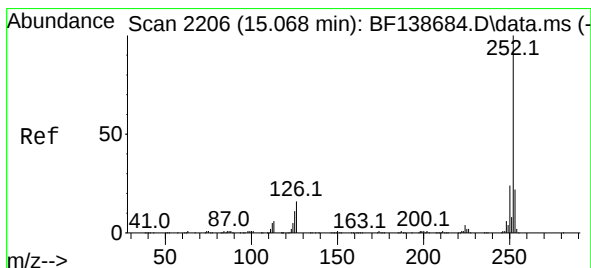
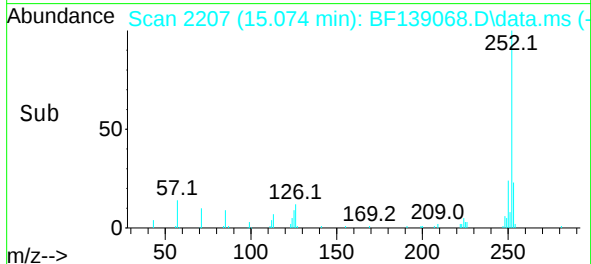
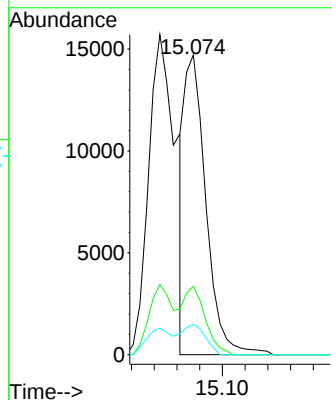
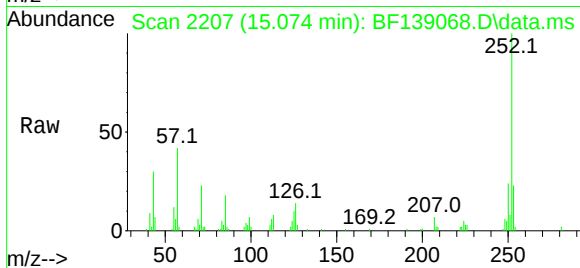
Tgt Ion:252 Resp: 19255

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 10.1 8.9 13.3



#89

Benzo(k)fluoranthene

Concen: 3.673 ng

RT: 15.074 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

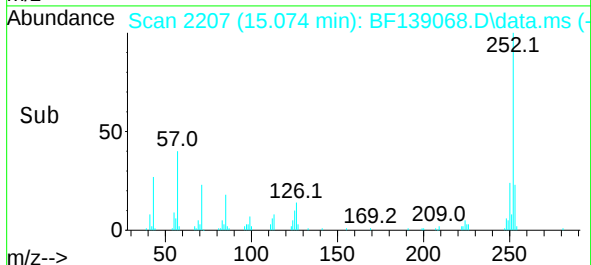
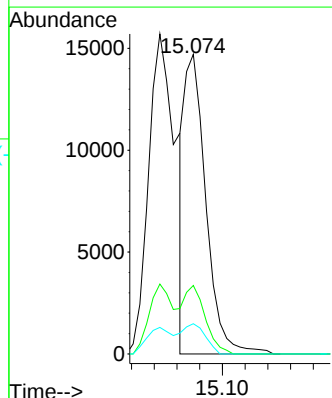
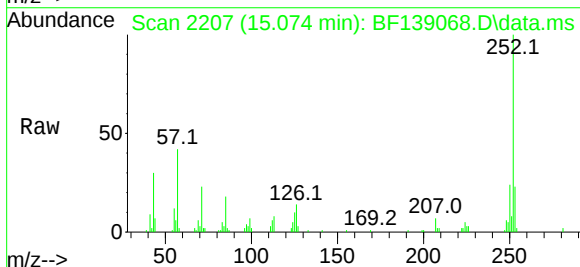
Tgt Ion:252 Resp: 19255

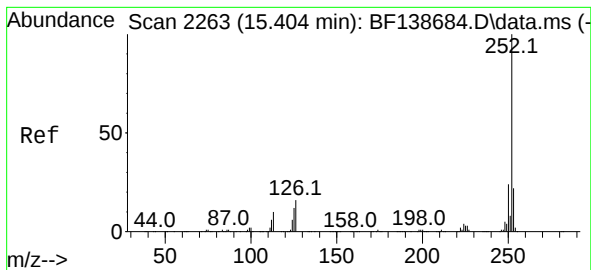
Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

125 10.1 8.6 13.0





#90

Benzo(a)pyrene

Concen: 4.181 ng

RT: 15.410 min Scan# 21294

Delta R.T. 0.006 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

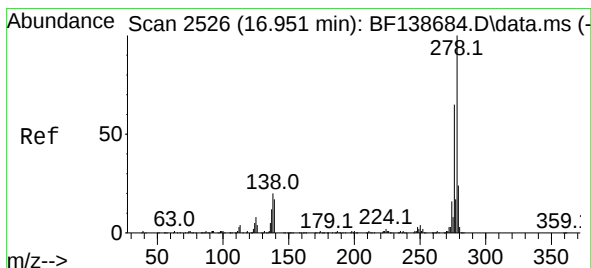
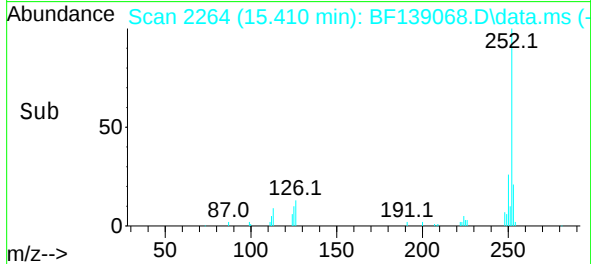
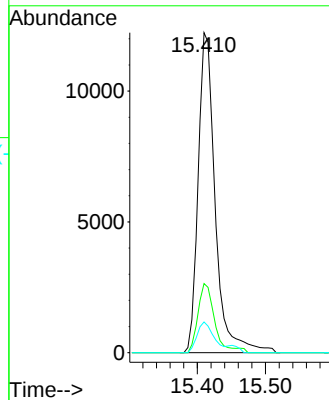
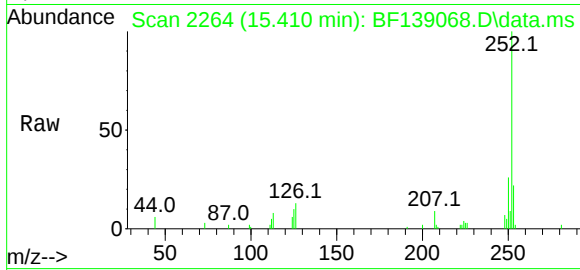
Tgt Ion:252 Resp: 21294

Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 9.6 9.5 14.3



#91

Dibenzo(a,h)anthracene

Concen: 3.288 ng

RT: 16.968 min Scan# 2529

Delta R.T. 0.018 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

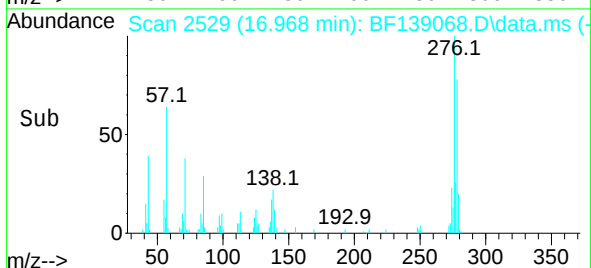
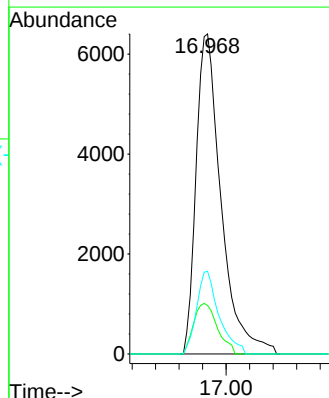
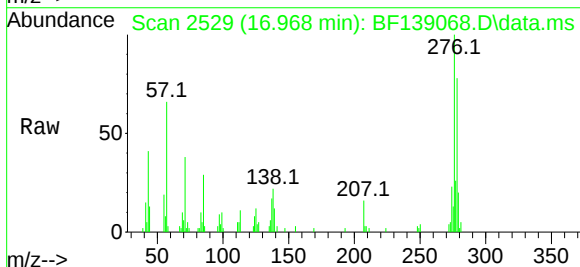
Tgt Ion:278 Resp: 18894

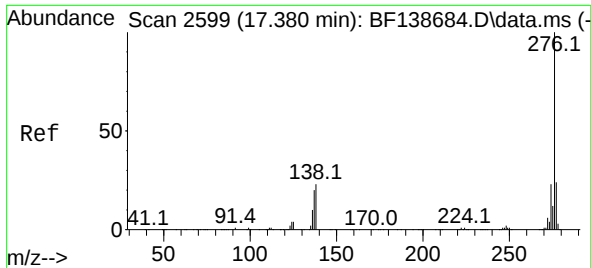
Ion Ratio Lower Upper

278 100

139 15.1 14.0 21.0

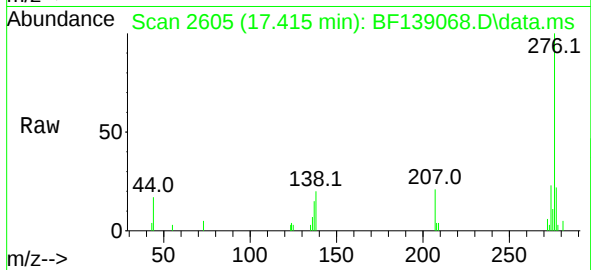
279 25.9 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 3.220 ng
 RT: 17.415 min Scan# 20
 Delta R.T. 0.035 min
 Lab File: BF139068.D
 Acq: 19 Aug 2024 11:16

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



Tgt Ion:	276	Resp:	19197
Ion	Ratio	Lower	Upper
276	100		
277	22.3	19.0	28.4
138	20.2	18.5	27.7

