

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090624\
 Data File : BF139270.D
 Acq On : 06 Sep 2024 10:32
 Operator : RC/JU
 Sample : P2403-03
 Misc : MDL-MDL-SOIL-04 ng
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

Quant Time: Sep 06 11:15:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	125291	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	457991	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	249510	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	447311	20.000	ng	0.00
76) Chrysene-d12	14.045	240	214179	20.000	ng	0.00
86) Perylene-d12	15.521	264	206705	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	858437	114.617	ng	0.00
7) Phenol-d6	6.516	99	1145954	114.613	ng	0.00
23) Nitrobenzene-d5	7.451	82	726184	82.487	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	247056	114.667	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1284898	79.493	ng	0.00
79) Terphenyl-d14	12.998	244	1032553	77.839	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.681	88	14041	4.026	ng	99
3) Pyridine	3.481	79	29344	3.485	ng	95
4) n-Nitrosodimethylamine	3.375	42	20063	3.670	ng	# 97
6) Aniline	6.551	93	44317	4.820	ng	98
8) 2-Chlorophenol	6.669	128	31710	4.085	ng	# 62
9) Benzaldehyde	6.439	77	28647	4.733	ng	99
10) Phenol	6.528	94	42757	4.054	ng	# 70
11) bis(2-Chloroethyl)ether	6.622	93	32080	4.246	ng	99
12) 1,3-Dichlorobenzene	6.828	146	35689	4.062	ng	97
13) 1,4-Dichlorobenzene	6.904	146	35381	4.023	ng	99
14) 1,2-Dichlorobenzene	7.057	146	32733	3.991	ng	97
15) Benzyl Alcohol	7.022	79	39454	5.411	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	61686	4.289	ng	97
17) 2-Methylphenol	7.128	107	25221	3.978	ng	99
18) Hexachloroethane	7.398	117	12475	3.972	ng	97
19) n-Nitroso-di-n-propyla...	7.292	70	23365	4.057	ng	100
20) 3+4-Methylphenols	7.281	107	33258	4.162	ng	96
22) Acetophenone	7.292	105	46244	4.238	ng	95
24) Nitrobenzene	7.469	77	38800	4.152	ng	98
25) Isophorone	7.698	82	61139	4.062	ng	100
26) 2-Nitrophenol	7.781	139	12354	3.366	ng	97
27) 2,4-Dimethylphenol	7.816	122	19472	3.720	ng	96
28) bis(2-Chloroethoxy)met...	7.916	93	36419	4.061	ng	99
29) 2,4-Dichlorophenol	8.022	162	25156	4.014	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	29274	4.090	ng	99
31) Naphthalene	8.192	128	97051	4.184	ng	99
33) 4-Chloroaniline	8.239	127	34713	4.323	ng	97
34) Hexachlorobutadiene	8.310	225	16890	3.724	ng	98
35) Caprolactam	8.557	113	6739	3.473	ng	98
36) 4-Chloro-3-methylphenol	8.710	107	25702	3.764	ng	97
37) 2-Methylnaphthalene	8.880	142	62071	4.278	ng	96
38) 1-Methylnaphthalene	8.980	142	57190	4.007	ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	29638	4.198	ng	98
41) Hexachlorocyclopentadiene	9.033	237	8208	3.618	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	16887	3.656	ng	99
44) 2,4,5-Trichlorophenol	9.192	196	17982	3.715	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090624\
 Data File : BF139270.D
 Acq On : 06 Sep 2024 10:32
 Operator : RC/JU
 Sample : P2403-03
 Misc : MDL-MDL-SOIL-04 ng
 ALS Vial : 5 Sample Multiplier: 1

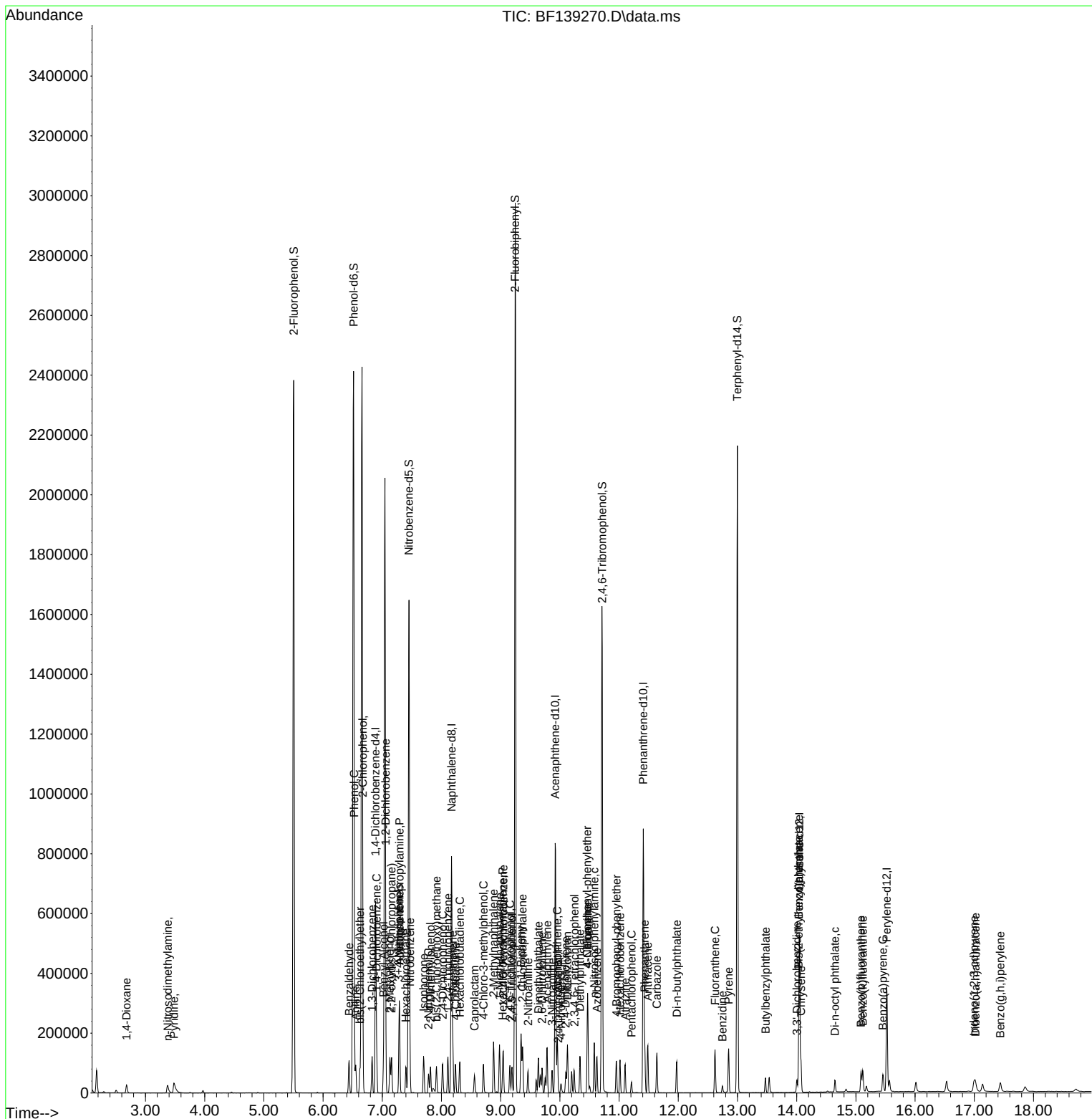
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

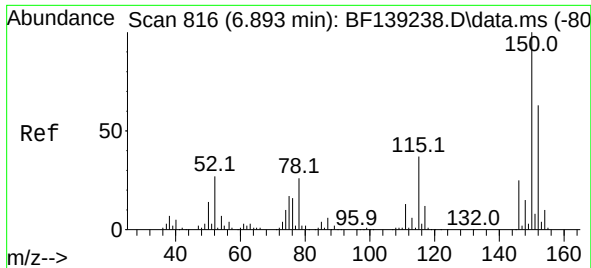
Quant Time: Sep 06 11:15:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.345	154	82495	4.462	ng	98
47) 2-Chloronaphthalene	9.369	162	57604	4.127	ng	97
48) 2-Nitroaniline	9.463	65	17345	3.608	ng	98
49) Acenaphthylene	9.786	152	92976	4.422	ng	98
50) Dimethylphthalate	9.639	163	62629	4.141	ng	99
51) 2,6-Dinitrotoluene	9.698	165	12489	3.640	ng	99
52) Acenaphthene	9.957	154	54302	3.894	ng	95
53) 3-Nitroaniline	9.869	138	13320	3.644	ng #	98
54) 2,4-Dinitrophenol	9.975	184	1224	8.143	ng #	1
55) Dibenzofuran	10.127	168	84407	4.222	ng	99
56) 4-Nitrophenol	10.022	139	6581	2.439	ng	98
57) 2,4-Dinitrotoluene	10.098	165	14482	3.316	ng #	96
58) Fluorene	10.469	166	66297	4.277	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	14126	3.708	ng	95
60) Diethylphthalate	10.339	149	60317	4.053	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	31887	4.266	ng	97
62) 4-Nitroaniline	10.474	138	11929	3.428	ng	93
63) Azobenzene	10.627	77	63280	4.034	ng	96
66) n-Nitrosodiphenylamine	10.580	169	55258	4.244	ng	97
67) 4-Bromophenyl-phenylether	10.957	248	17703	4.079	ng	97
68) Hexachlorobenzene	11.016	284	20259	4.078	ng	98
69) Atrazine	11.104	200	14704	4.895	ng	98
70) Pentachlorophenol	11.210	266	6333	2.207	ng	98
71) Phenanthrene	11.433	178	91135	4.361	ng	98
72) Anthracene	11.486	178	87166	4.270	ng	99
73) Carbazole	11.639	167	75394	3.952	ng	98
74) Di-n-butylphthalate	11.974	149	72466	3.710	ng	100
75) Fluoranthene	12.621	202	83193	3.971	ng	99
77) Benzidine	12.745	184	14209	3.295	ng #	93
78) Pyrene	12.851	202	85900	4.152	ng	99
80) Butylbenzylphthalate	13.474	149	15262	3.133	ng	98
81) Benzo(a)anthracene	14.039	228	57256	4.187	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	13316	3.666	ng	99
83) Chrysene	14.074	228	51490	4.034	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	17416	3.046	ng #	97
85) Di-n-octyl phthalate	14.645	149	26232	2.397	ng #	96
87) Indeno(1,2,3-cd)pyrene	16.998	276	37424	2.898	ng	98
88) Benzo(b)fluoranthene	15.086	252	43136	3.624	ng	97
89) Benzo(k)fluoranthene	15.115	252	41348	3.874	ng	98
90) Benzo(a)pyrene	15.457	252	38820	3.840	ng	98
91) Dibenzo(a,h)anthracene	17.021	278	29343	2.757	ng	98
92) Benzo(g,h,i)perylene	17.439	276	29409	2.677	ng	96

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

Quant Time: Sep 06 11:15:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 04 16:11:43 2024
Response via : Initial Calibration

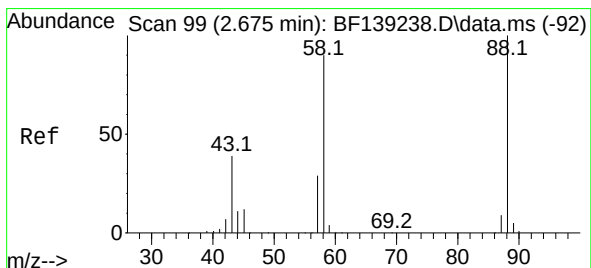
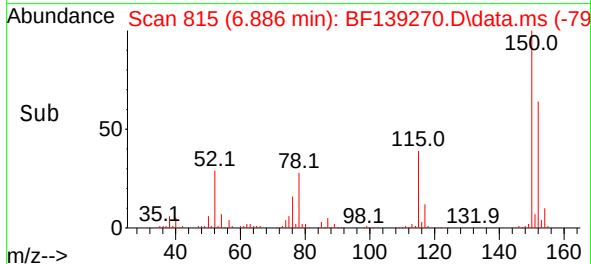
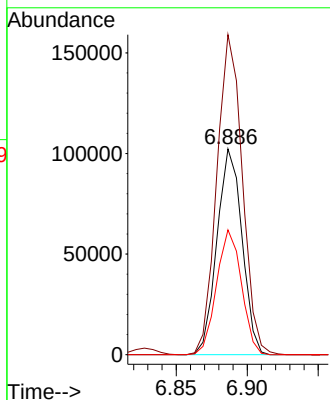
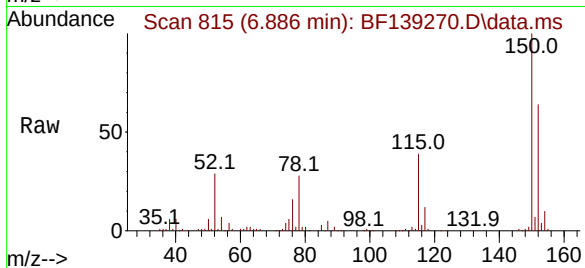




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 81
Delta R.T. -0.007 min
Lab File: BF139270.D
Acq: 06 Sep 2024 10:32

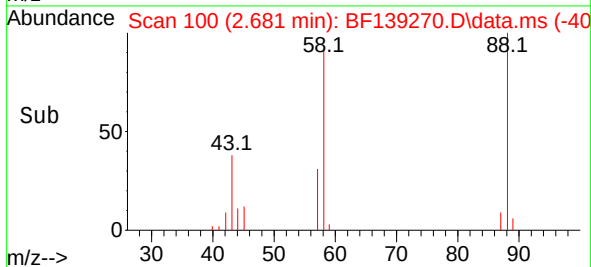
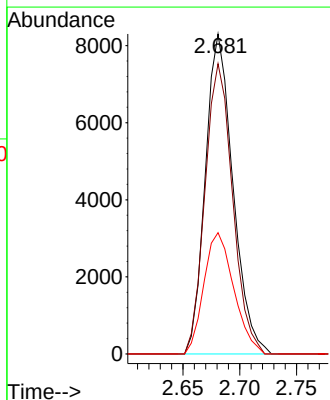
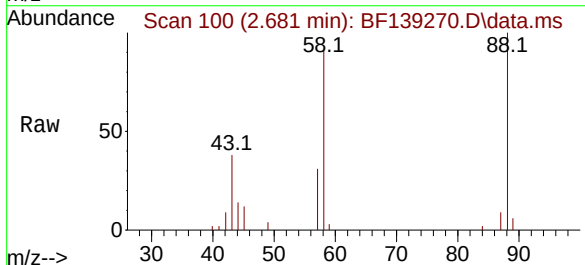
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

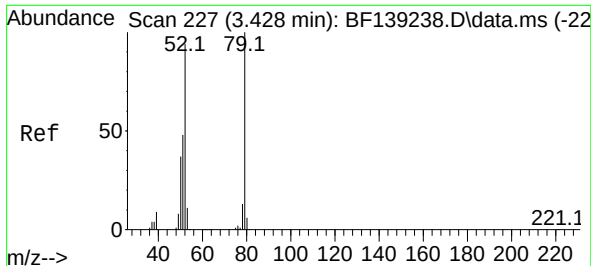
Tgt Ion:152 Resp: 125291
Ion Ratio Lower Upper
152 100
150 155.5 127.0 190.4
115 60.7 46.9 70.3



#2
1,4-Dioxane
Concen: 4.026 ng
RT: 2.681 min Scan# 100
Delta R.T. 0.006 min
Lab File: BF139270.D
Acq: 06 Sep 2024 10:32

Tgt Ion: 88 Resp: 14041
Ion Ratio Lower Upper
88 100
58 90.6 72.5 108.7
43 41.1 31.4 47.2





#3

Pyridine

Concen: 3.485 ng

RT: 3.481 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

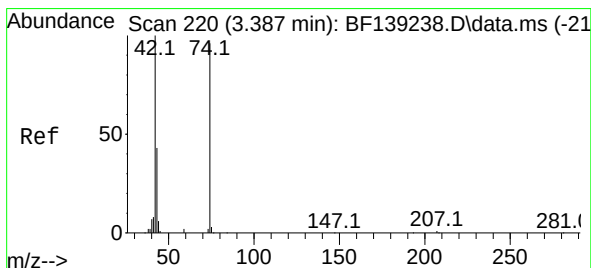
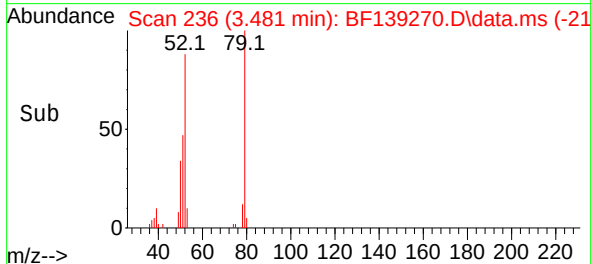
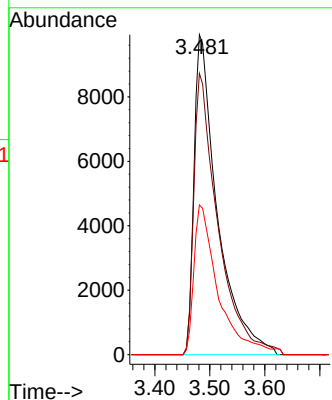
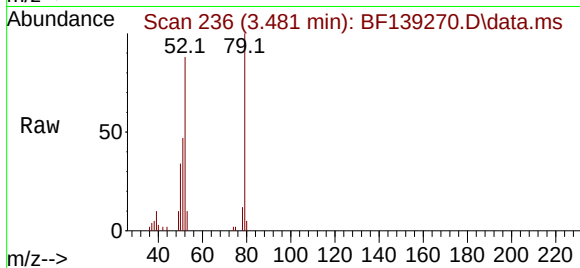
Tgt Ion: 79 Resp: 29344

Ion Ratio Lower Upper

79 100

52 87.9 75.3 112.9

51 46.8 38.2 57.2



#4

n-Nitrosodimethylamine

Concen: 3.670 ng

RT: 3.375 min Scan# 218

Delta R.T. -0.012 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

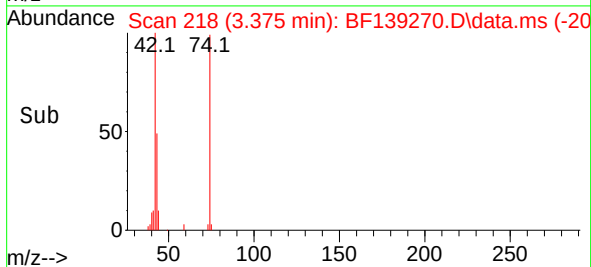
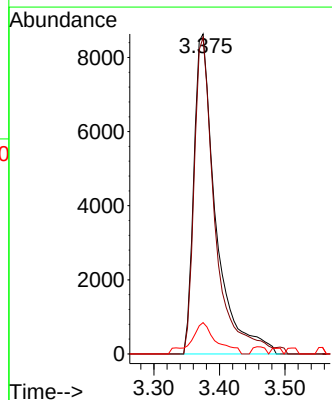
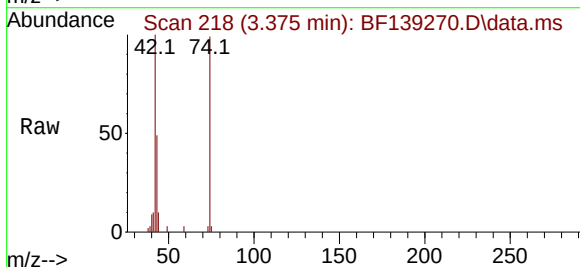
Tgt Ion: 42 Resp: 20063

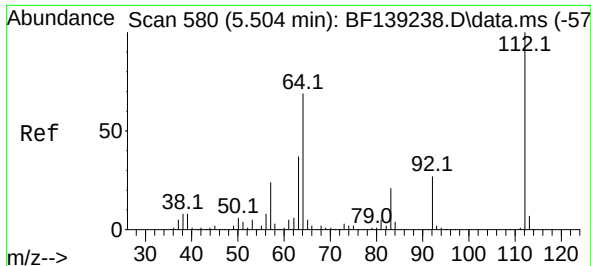
Ion Ratio Lower Upper

42 100

74 98.9 77.2 115.8

44 9.8 5.1 7.7#

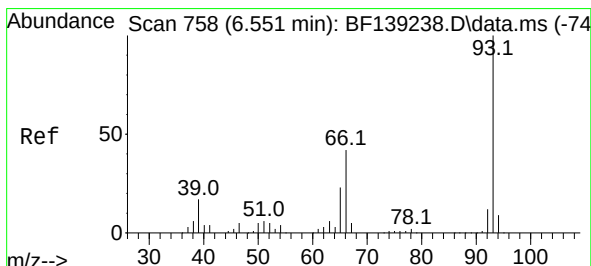
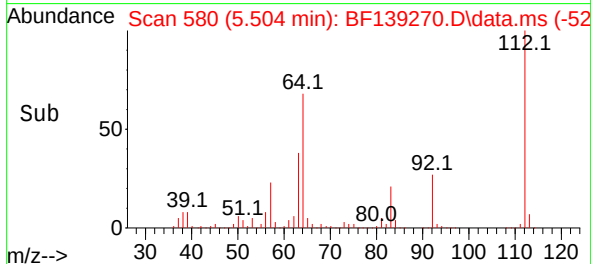
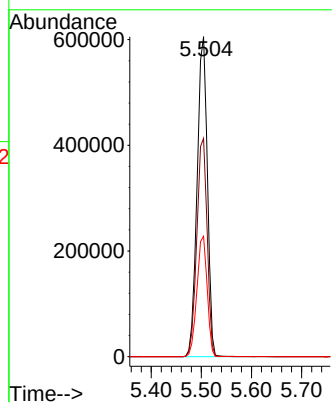
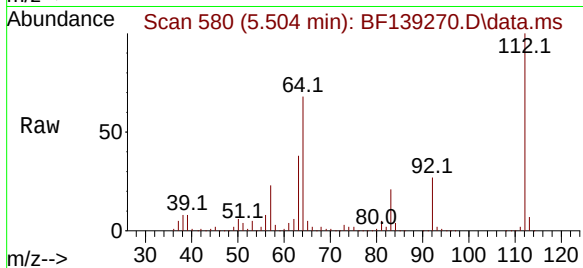




#5
2-Fluorophenol
Concen: 114.617 ng
RT: 5.504 min Scan# 511
Delta R.T. -0.000 min
Lab File: BF139270.D
Acq: 06 Sep 2024 10:32

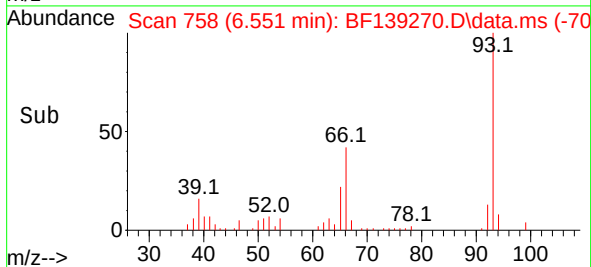
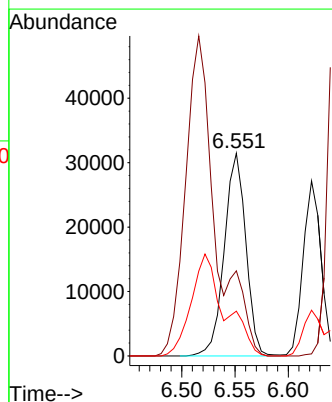
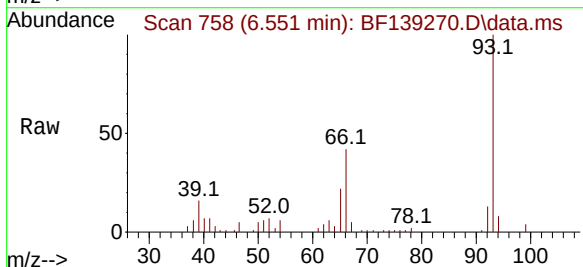
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

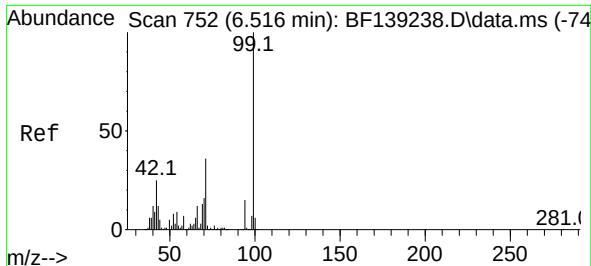
Tgt Ion:112 Resp: 858437
Ion Ratio Lower Upper
112 100
64 68.2 55.0 82.4
63 37.7 29.9 44.9



#6
Aniline
Concen: 4.820 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.000 min
Lab File: BF139270.D
Acq: 06 Sep 2024 10:32

Tgt Ion: 93 Resp: 44317
Ion Ratio Lower Upper
93 100
66 42.0 34.4 51.6
65 22.1 18.2 27.4





#7

Phenol-d6

Concen: 114.613 ng

RT: 6.516 min Scan# 714

Delta R.T. -0.000 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

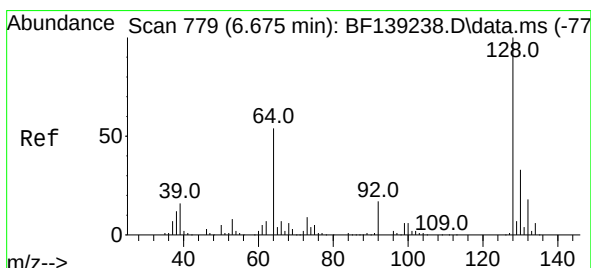
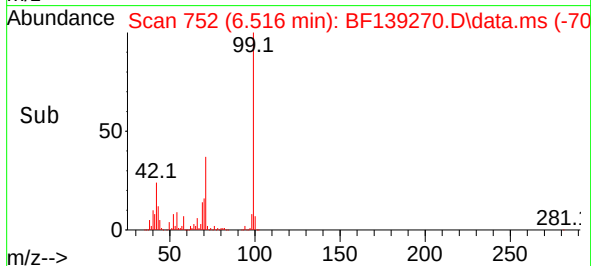
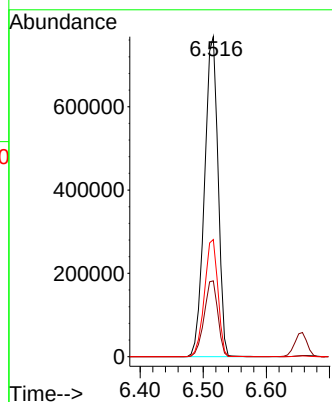
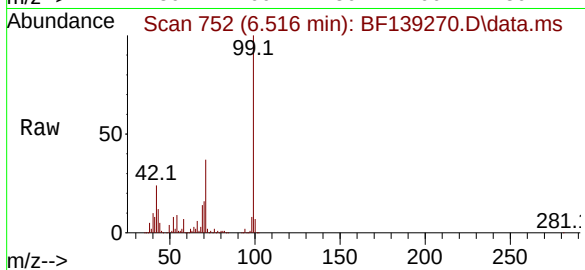
BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion: 99 Resp: 1145954

Ion	Ratio	Lower	Upper
99	100		
42	23.7	19.8	29.6
71	36.6	28.8	43.2



#8

2-Chlorophenol

Concen: 4.085 ng

RT: 6.669 min Scan# 778

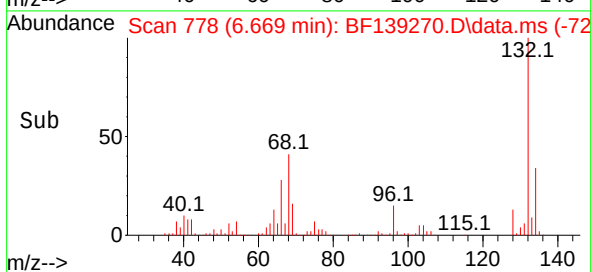
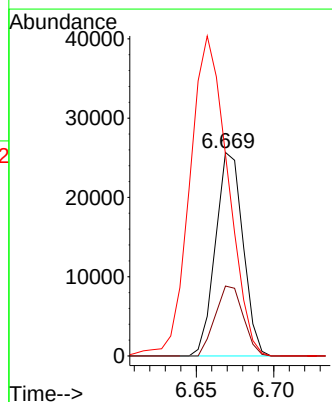
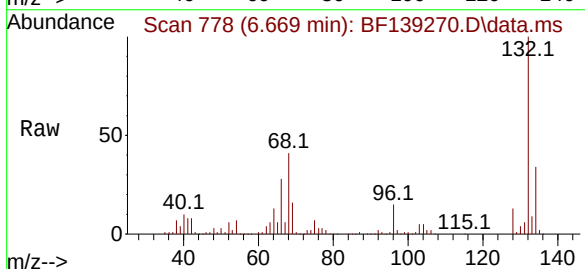
Delta R.T. -0.006 min

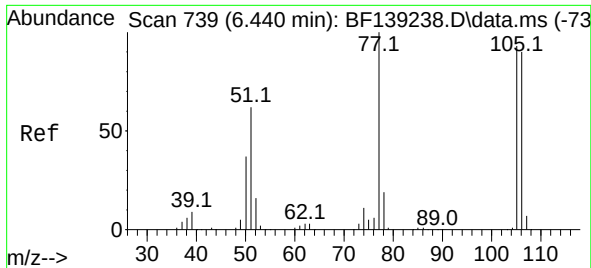
Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Tgt Ion:128 Resp: 31710

Ion	Ratio	Lower	Upper
128	100		
130	34.4	12.7	52.7
64	99.0	36.6	76.6#





#9

Benzaldehyde

Concen: 4.733 ng

RT: 6.439 min Scan# 739

Delta R.T. -0.001 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

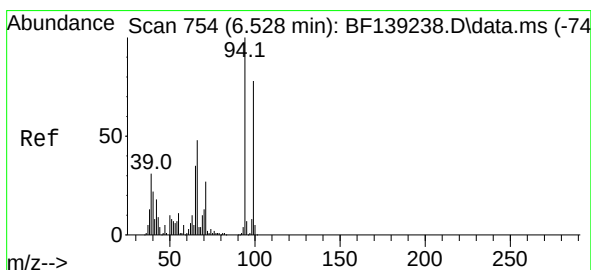
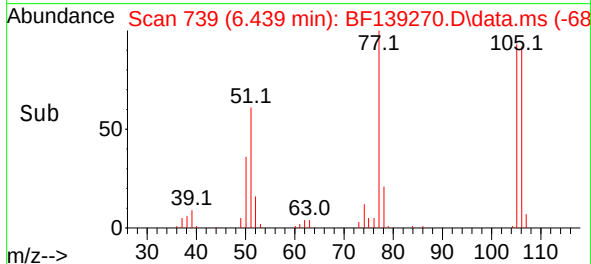
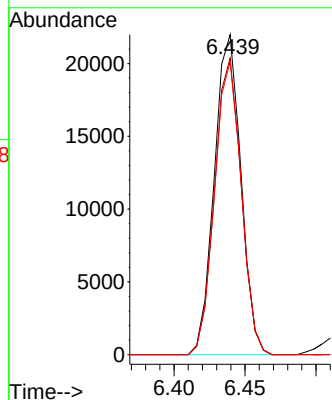
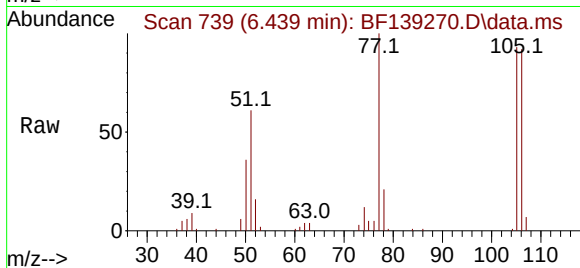
Tgt Ion: 77 Resp: 28647

Ion Ratio Lower Upper

77 100

105 92.6 72.9 112.9

106 91.5 69.6 109.6



#10

Phenol

Concen: 4.054 ng

RT: 6.528 min Scan# 754

Delta R.T. -0.000 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

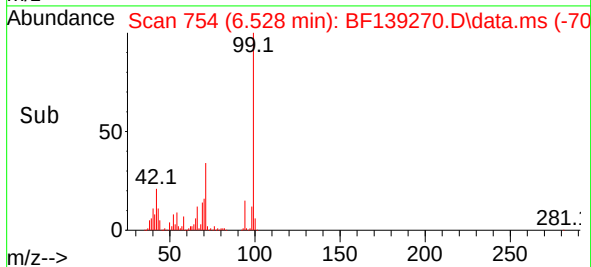
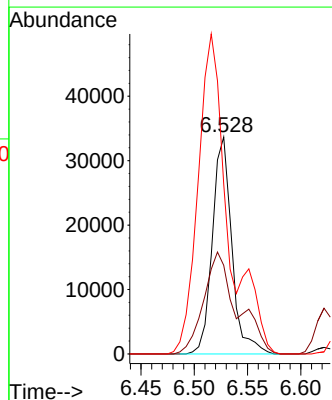
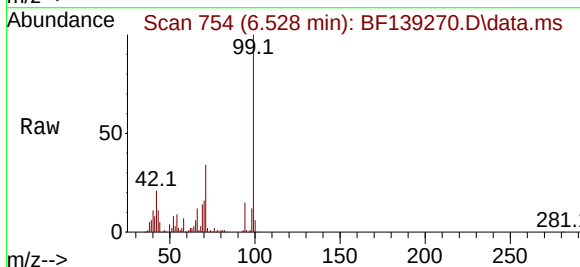
Tgt Ion: 94 Resp: 42757

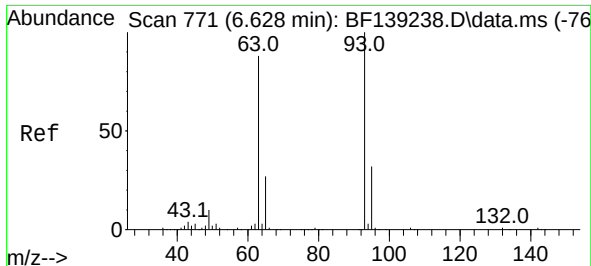
Ion Ratio Lower Upper

94 100

65 40.9 14.7 54.7

66 78.4 28.5 68.5#





#11

bis(2-Chloroethyl)ether

Concen: 4.246 ng

RT: 6.622 min Scan# 771

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

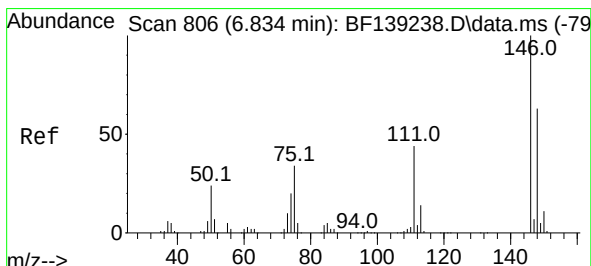
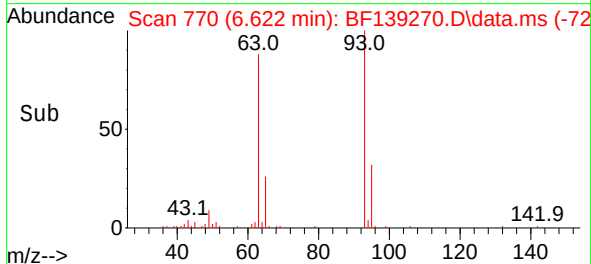
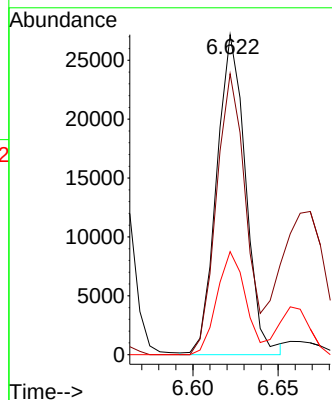
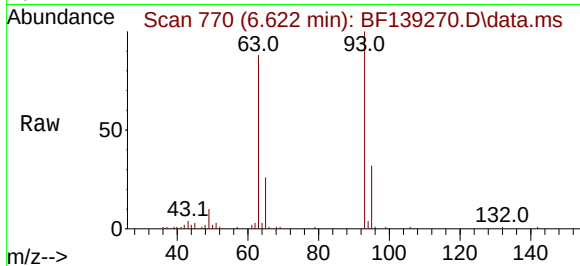
Tgt Ion: 93 Resp: 32080

Ion Ratio Lower Upper

93 100

63 87.8 67.1 107.1

95 32.2 12.2 52.2



#12

1,3-Dichlorobenzene

Concen: 4.062 ng

RT: 6.828 min Scan# 805

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

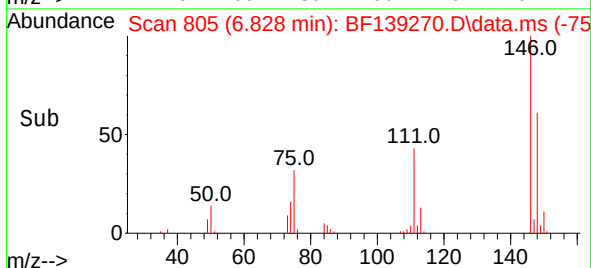
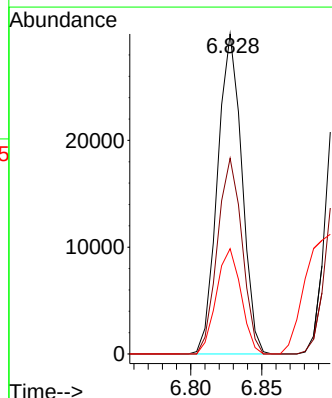
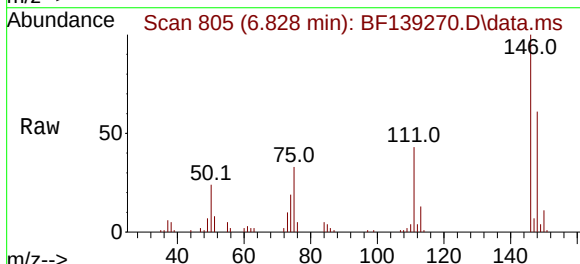
Tgt Ion:146 Resp: 35689

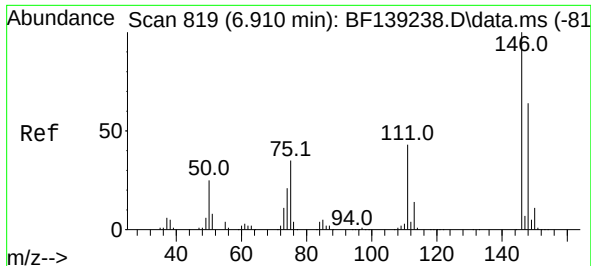
Ion Ratio Lower Upper

146 100

148 61.1 50.8 76.2

75 32.9 27.3 40.9

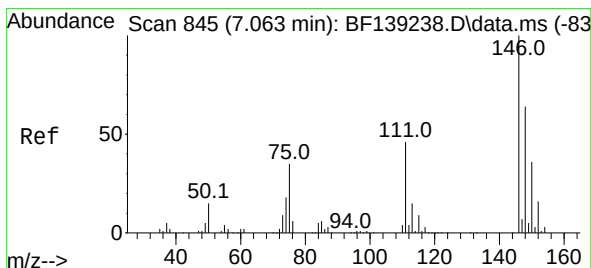
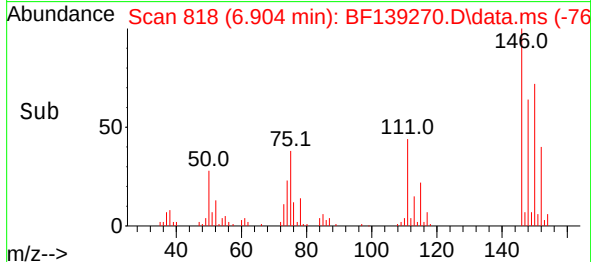
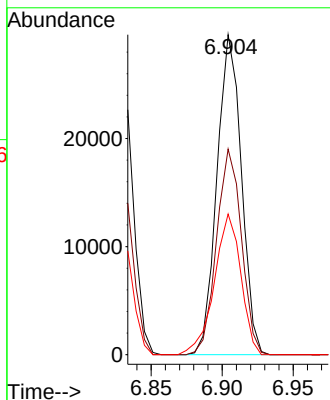
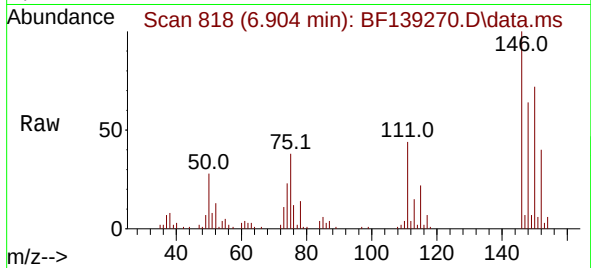




#13
1,4-Dichlorobenzene
Concen: 4.023 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF139270.D
Acq: 06 Sep 2024 10:32

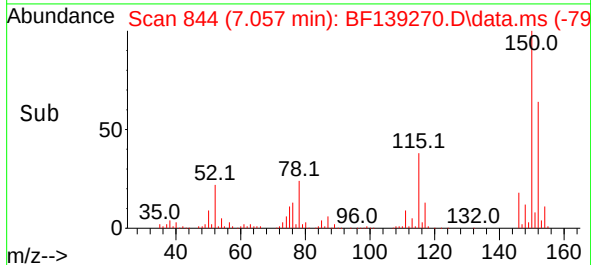
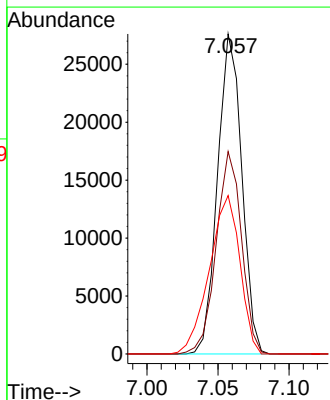
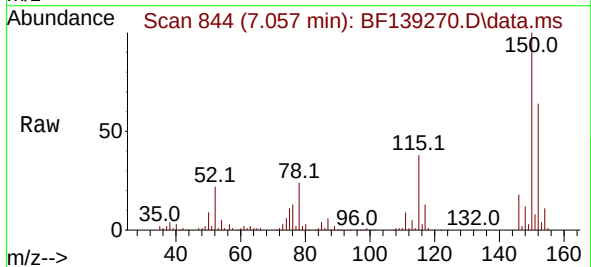
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

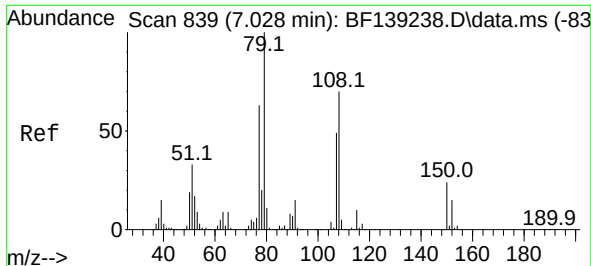
Tgt Ion:146 Resp: 35381
Ion Ratio Lower Upper
146 100
148 64.3 51.2 76.8
111 44.0 34.6 51.8



#14
1,2-Dichlorobenzene
Concen: 3.991 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF139270.D
Acq: 06 Sep 2024 10:32

Tgt Ion:146 Resp: 32733
Ion Ratio Lower Upper
146 100
148 63.3 50.9 76.3
111 49.5 36.6 55.0

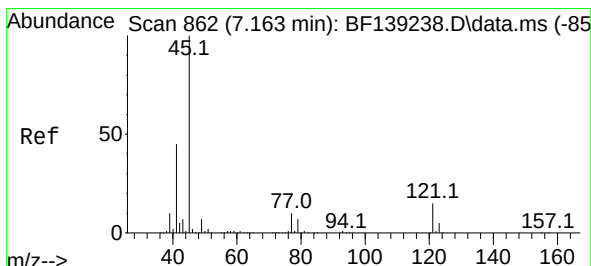
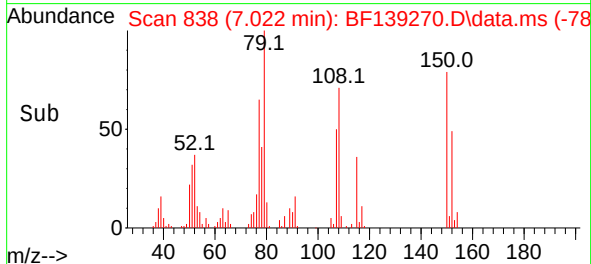
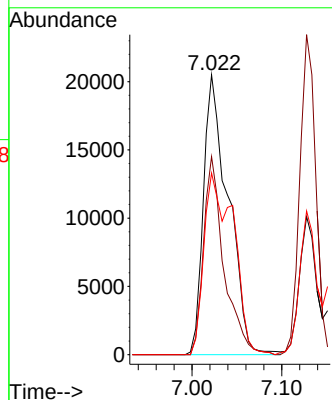
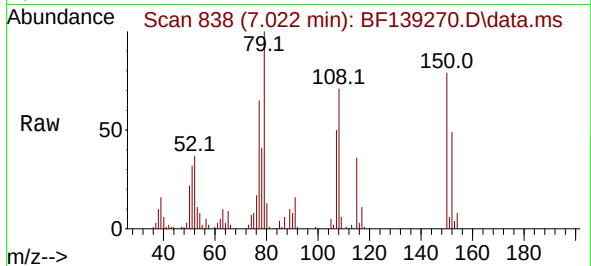




#15
Benzyl Alcohol
Concen: 5.411 ng
RT: 7.022 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF139270.D
Acq: 06 Sep 2024 10:32

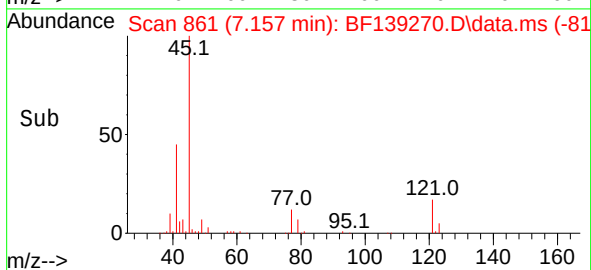
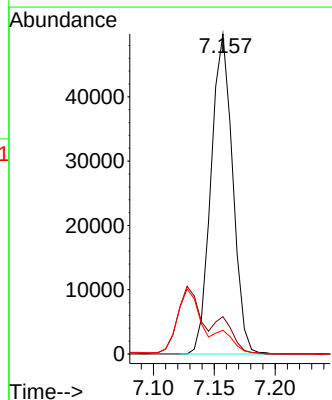
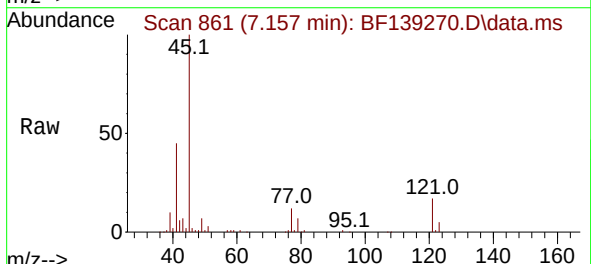
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

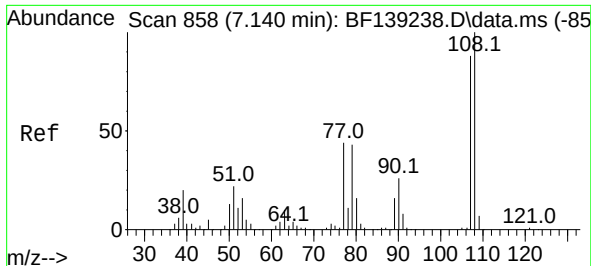
Tgt Ion: 79 Resp: 39454
Ion Ratio Lower Upper
79 100
108 70.8 56.1 84.1
77 64.9 50.6 76.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.289 ng
RT: 7.157 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF139270.D
Acq: 06 Sep 2024 10:32

Tgt Ion: 45 Resp: 61686
Ion Ratio Lower Upper
45 100
77 11.7 0.0 30.0
79 7.4 0.0 27.6

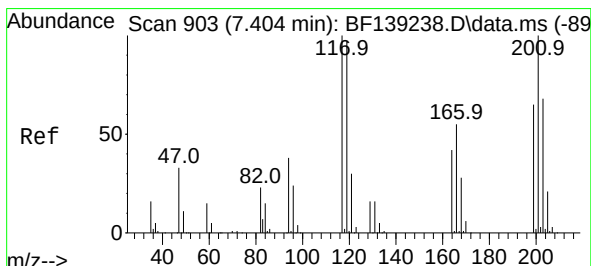
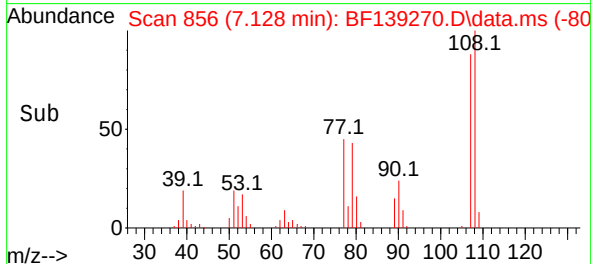
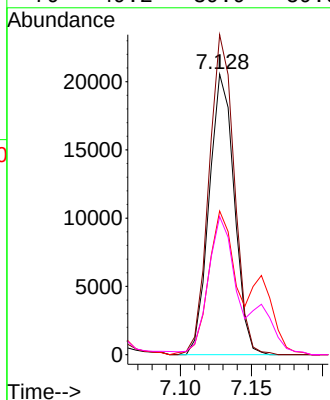
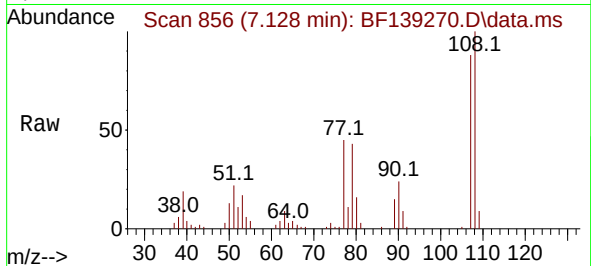




#17
2-Methylphenol
Concen: 3.978 ng
RT: 7.128 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF139270.D
Acq: 06 Sep 2024 10:32

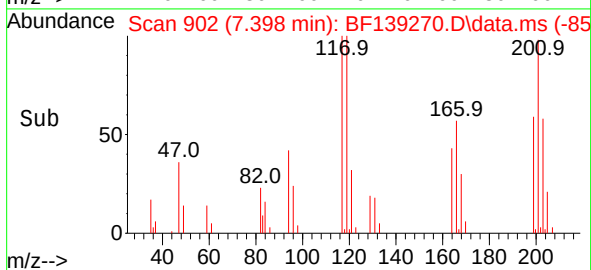
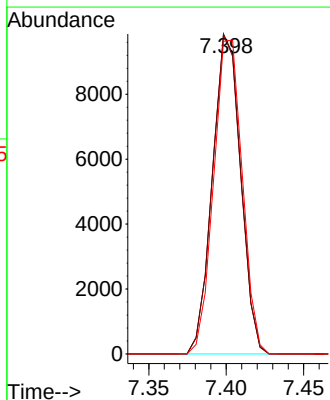
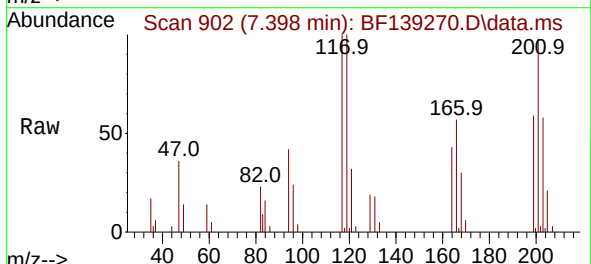
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

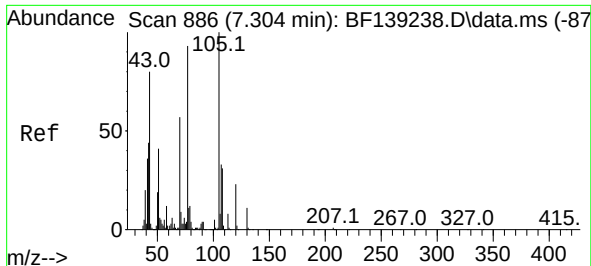
Tgt Ion:	107	Resp:	25221
Ion	Ratio	Lower	Upper
107	100		
108	114.1	91.4	137.2
77	51.2	40.1	60.1
79	49.2	39.9	59.9



#18
Hexachloroethane
Concen: 3.972 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF139270.D
Acq: 06 Sep 2024 10:32

Tgt Ion:	117	Resp:	12475
Ion	Ratio	Lower	Upper
117	100		
119	100.1	77.4	116.2
201	97.8	80.0	120.0





#19

n-Nitroso-di-n-propylamine

Concen: 4.057 ng

RT: 7.292 min Scan# 884

Delta R.T. -0.012 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion: 70 Resp: 23365

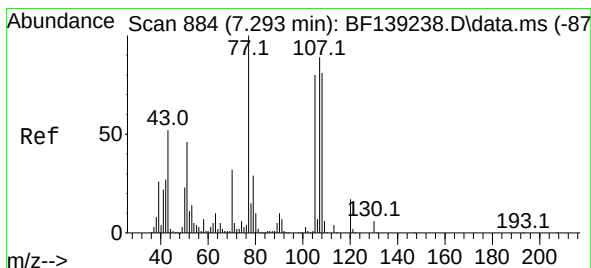
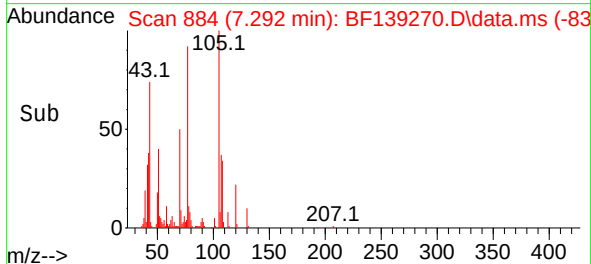
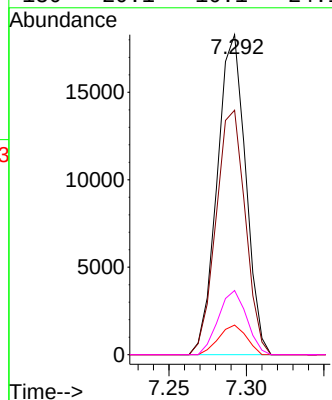
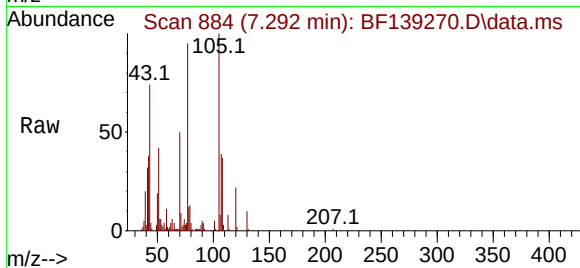
Ion Ratio Lower Upper

70 100

42 76.4 61.0 91.6

101 9.3 7.2 10.8

130 20.1 16.1 24.1



#20

3+4-Methylphenols

Concen: 4.162 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.012 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Tgt Ion:107 Resp: 33258

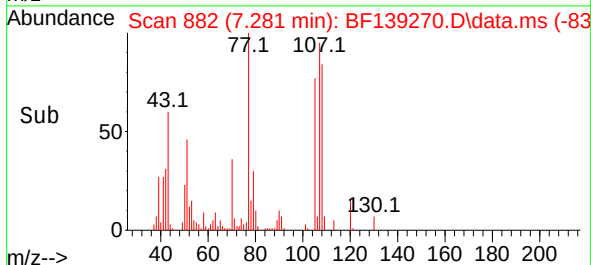
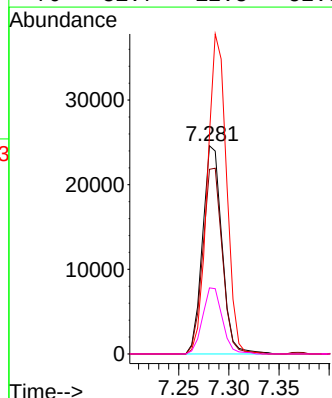
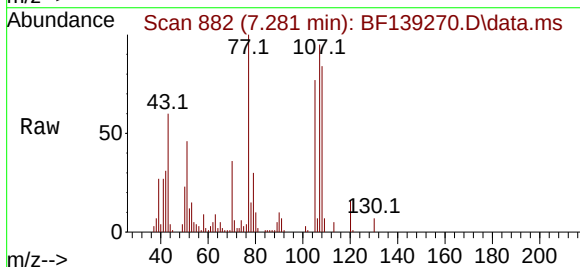
Ion Ratio Lower Upper

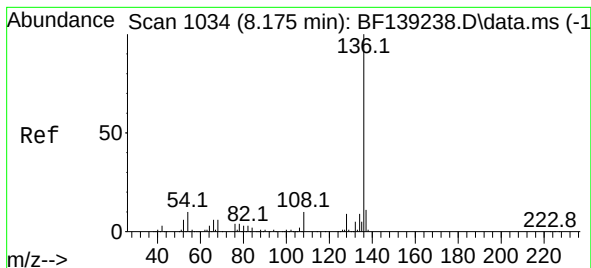
107 100

108 88.7 70.4 110.4

77 105.6 92.2 132.2

79 31.7 12.8 52.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:136 Resp: 457991

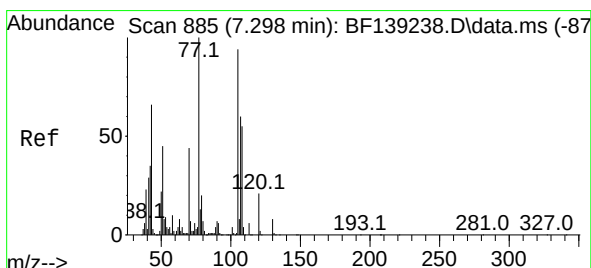
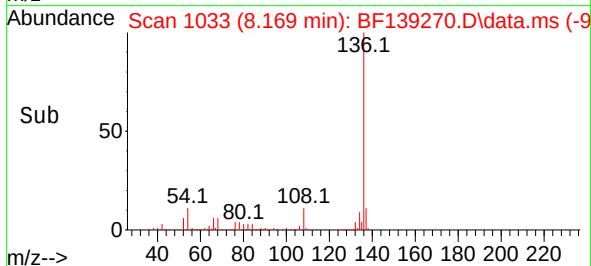
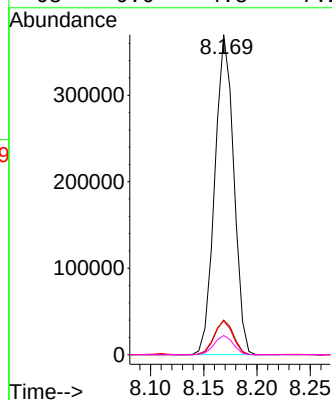
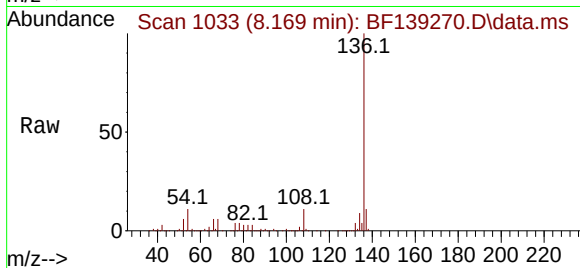
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 10.5 8.4 12.6

68 6.0 4.8 7.2



#22

Acetophenone

Concen: 4.238 ng

RT: 7.292 min Scan# 884

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Tgt Ion:105 Resp: 46244

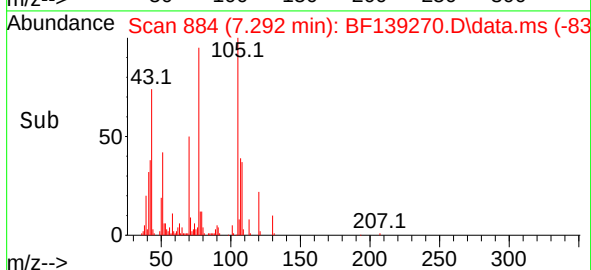
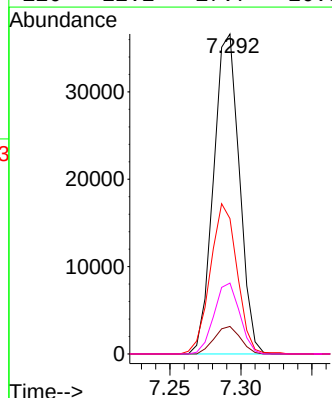
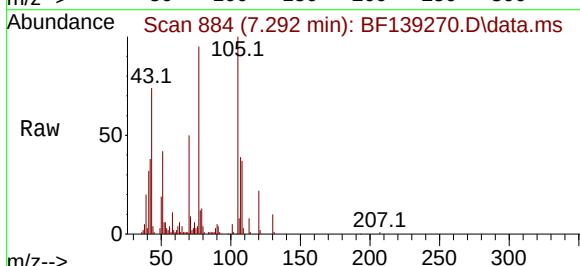
Ion Ratio Lower Upper

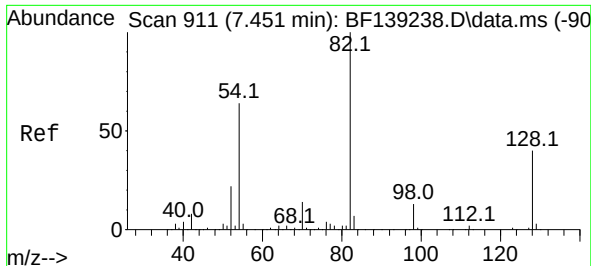
105 100

71 8.6 6.2 9.2

51 42.3 38.2 57.2

120 22.2 17.7 26.5





#23

Nitrobenzene-d5

Concen: 82.487 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.000 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

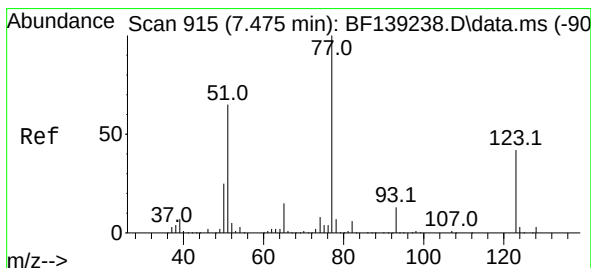
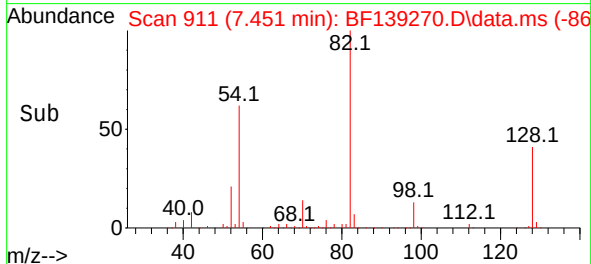
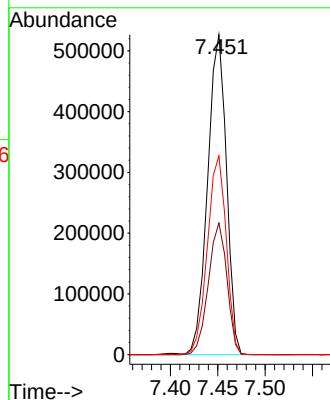
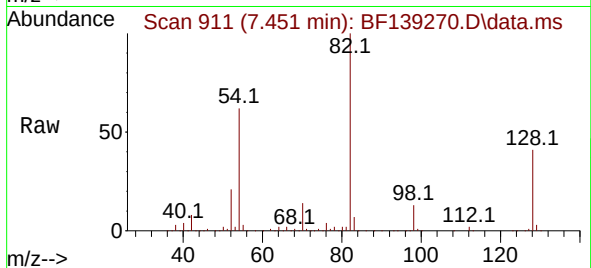
Tgt Ion: 82 Resp: 726184

Ion Ratio Lower Upper

82 100

128 41.1 32.3 48.5

54 62.2 51.2 76.8



#24

Nitrobenzene

Concen: 4.152 ng

RT: 7.469 min Scan# 914

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

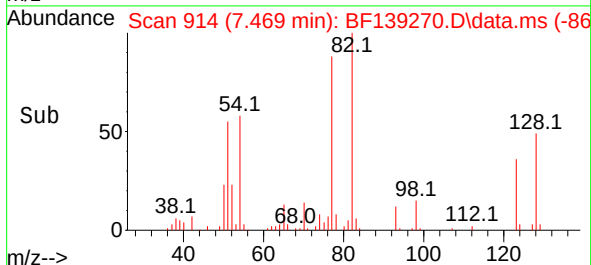
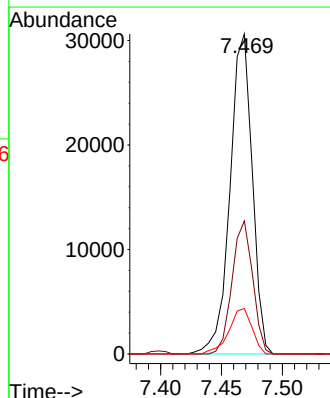
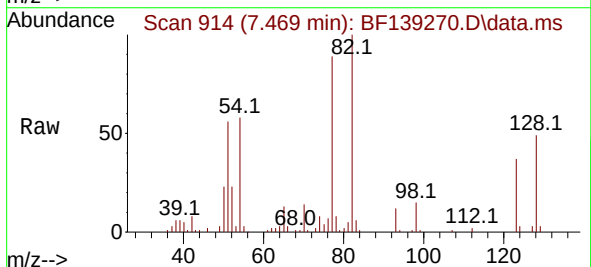
Tgt Ion: 77 Resp: 38800

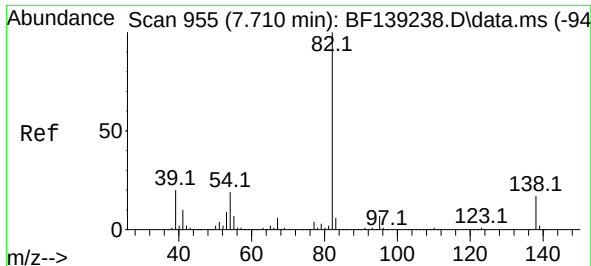
Ion Ratio Lower Upper

77 100

123 41.6 34.0 51.0

65 14.2 12.1 18.1

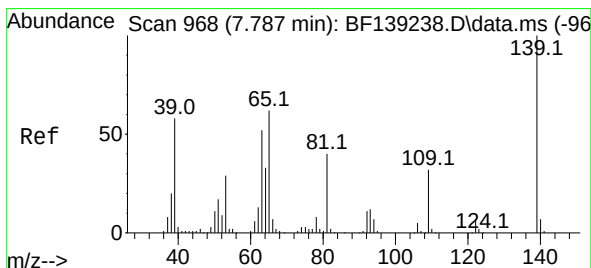
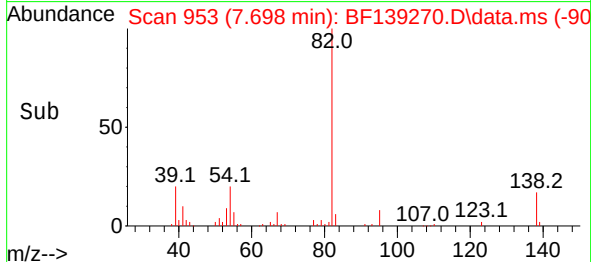
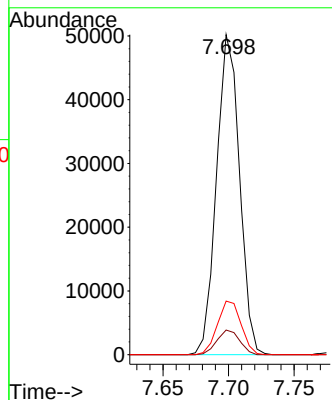
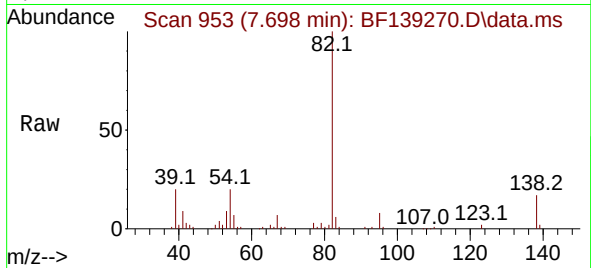




#25
Isophorone
Concen: 4.062 ng
RT: 7.698 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF139270.D
Acq: 06 Sep 2024 10:32

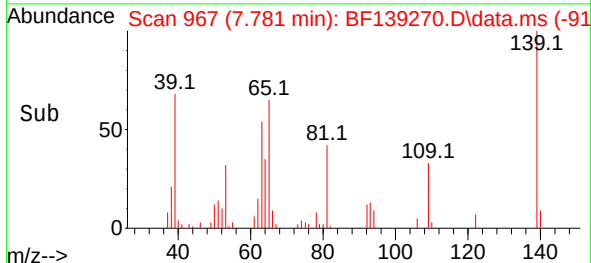
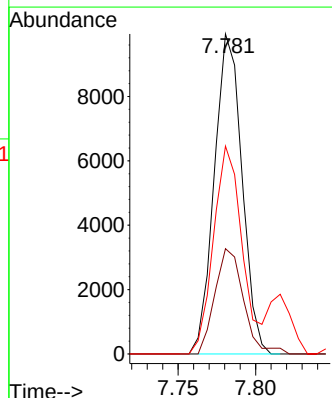
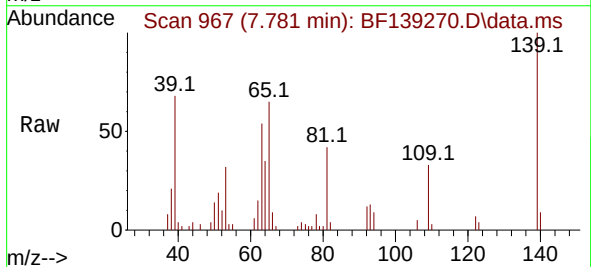
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

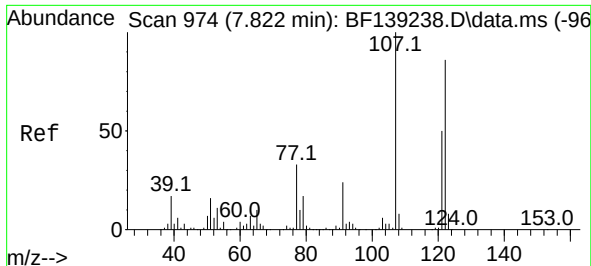
Tgt Ion: 82 Resp: 61139
Ion Ratio Lower Upper
82 100
95 7.7 6.0 9.0
138 16.8 13.4 20.0



#26
2-Nitrophenol
Concen: 3.366 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF139270.D
Acq: 06 Sep 2024 10:32

Tgt Ion:139 Resp: 12354
Ion Ratio Lower Upper
139 100
109 32.9 25.4 38.2
65 65.0 49.4 74.2





#27

2,4-Dimethylphenol

Concen: 3.720 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

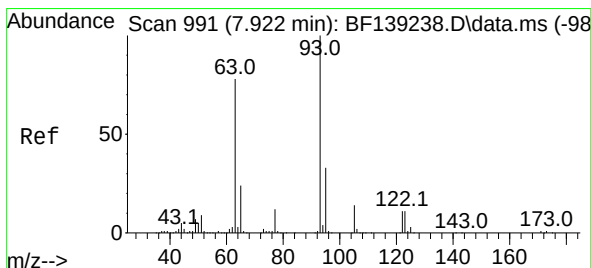
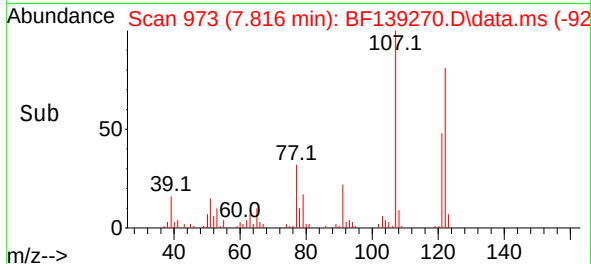
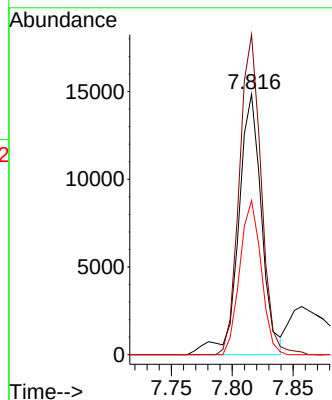
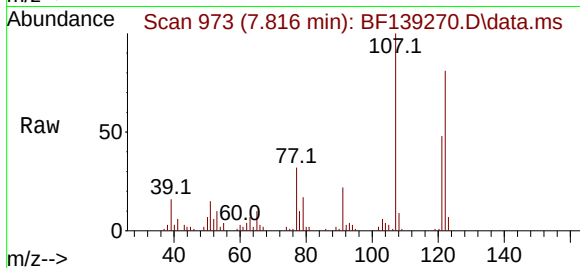
Tgt Ion:122 Resp: 19472

Ion Ratio Lower Upper

122 100

107 122.9 93.4 140.2

121 59.2 46.6 70.0



#28

bis(2-Chloroethoxy)methane

Concen: 4.061 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

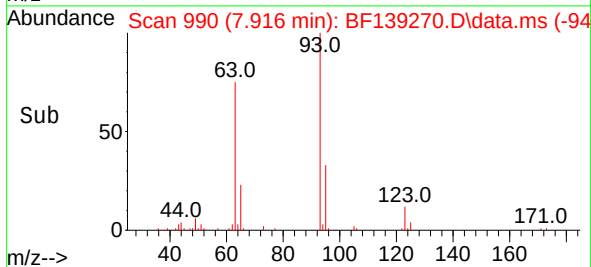
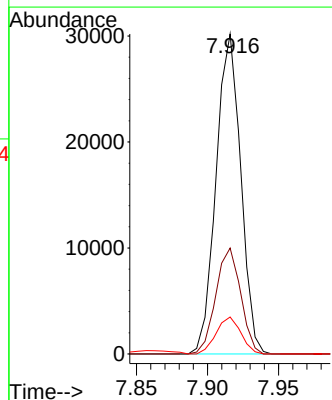
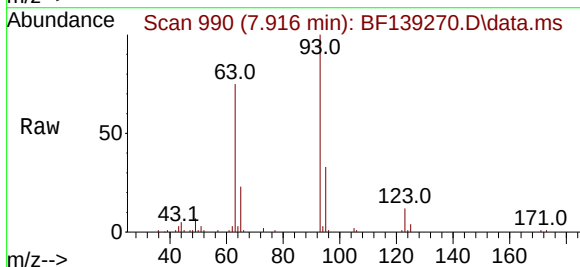
Tgt Ion: 93 Resp: 36419

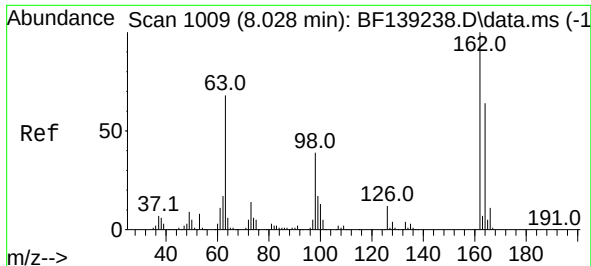
Ion Ratio Lower Upper

93 100

95 33.1 26.6 40.0

123 11.5 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 4.014 ng

RT: 8.022 min Scan# 1009

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

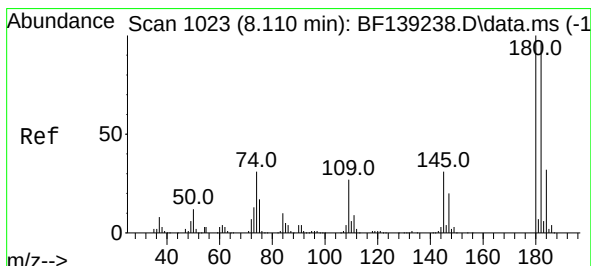
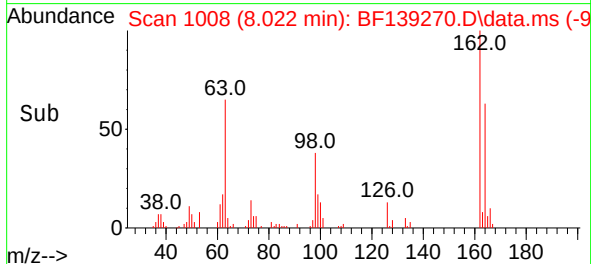
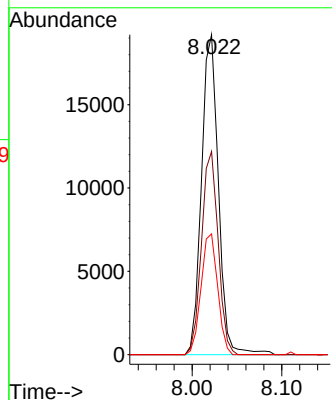
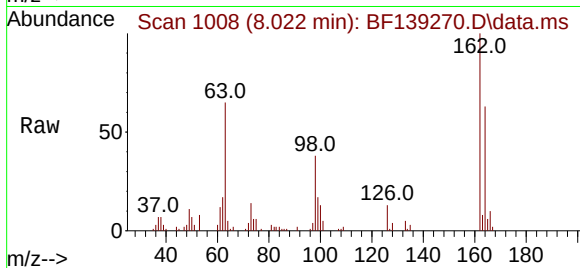
Tgt Ion:162 Resp: 25156

Ion Ratio Lower Upper

162 100

164 63.5 43.6 83.6

98 37.7 19.5 59.5



#30

1,2,4-Trichlorobenzene

Concen: 4.090 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

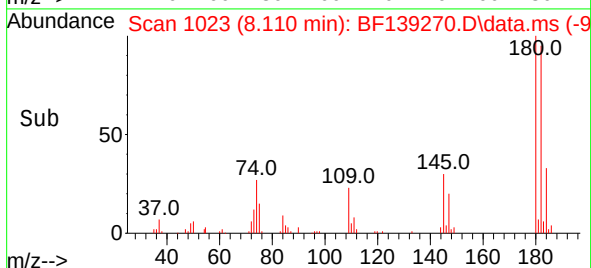
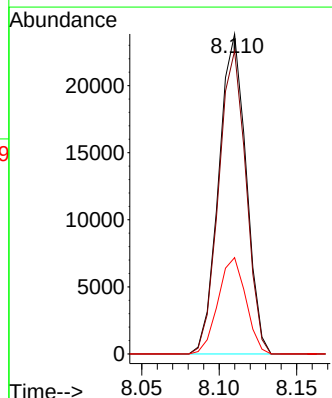
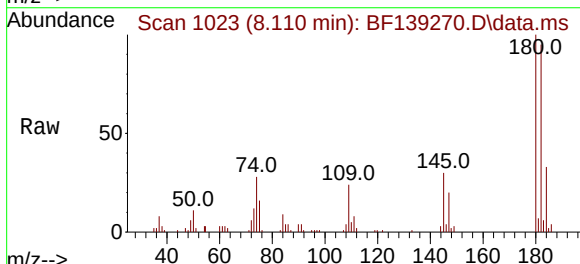
Tgt Ion:180 Resp: 29274

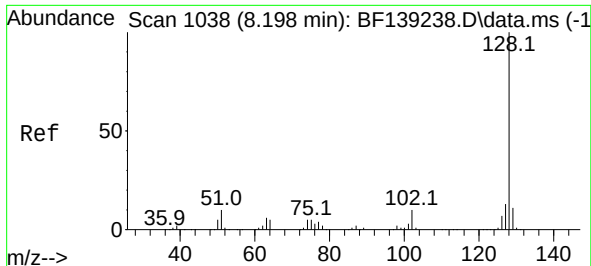
Ion Ratio Lower Upper

180 100

182 94.8 76.5 114.7

145 30.1 25.1 37.7





#31

Naphthalene

Concen: 4.184 ng

RT: 8.192 min Scan# 1037

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

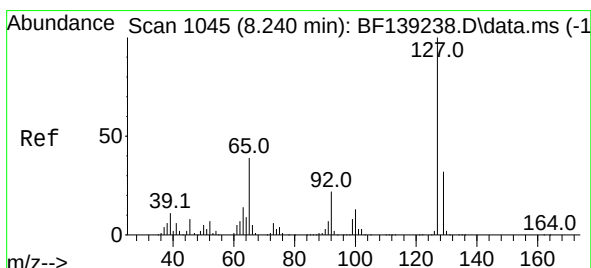
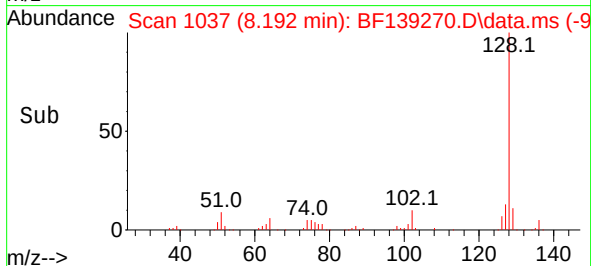
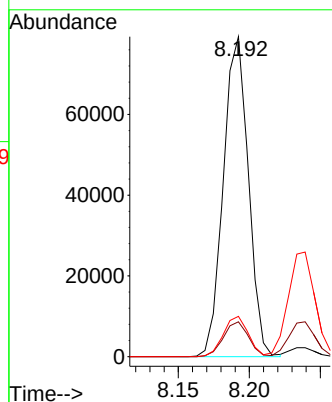
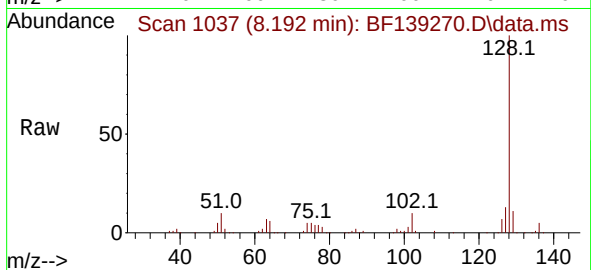
Tgt Ion:128 Resp: 97051

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

127 12.6 10.6 15.8



#33

4-Chloroaniline

Concen: 4.323 ng

RT: 8.239 min Scan# 1045

Delta R.T. -0.000 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Tgt Ion:127 Resp: 34713

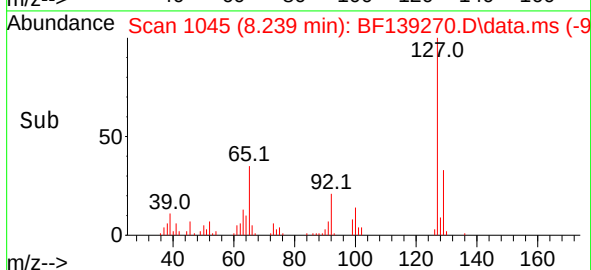
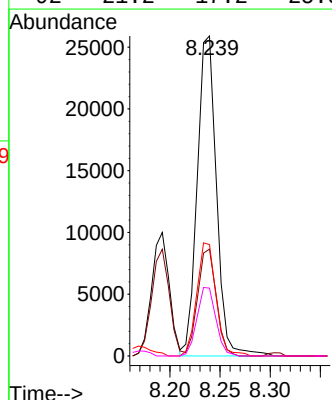
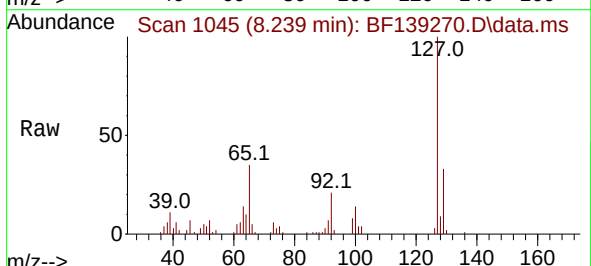
Ion Ratio Lower Upper

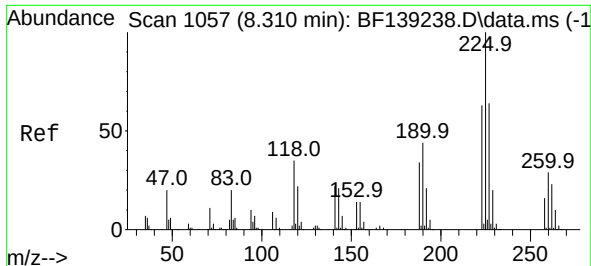
127 100

129 33.4 25.8 38.6

65 34.8 30.6 45.8

92 21.2 17.2 25.8

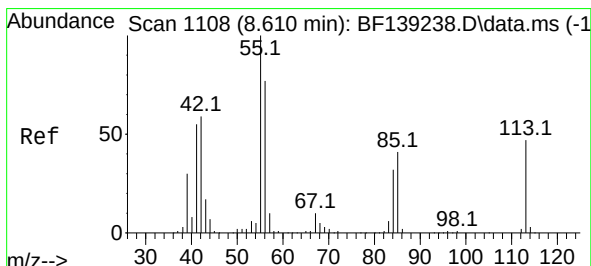
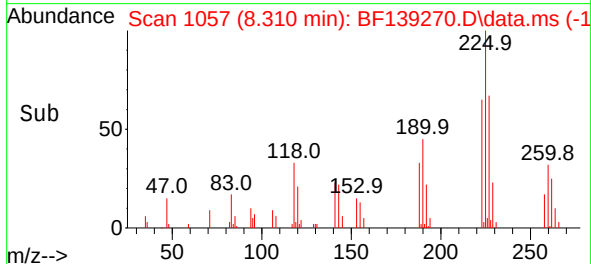
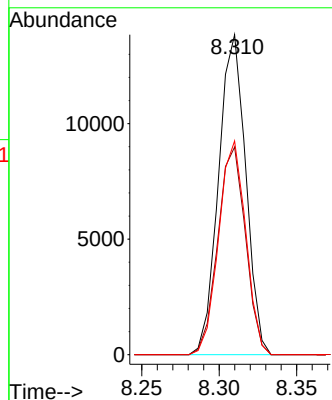
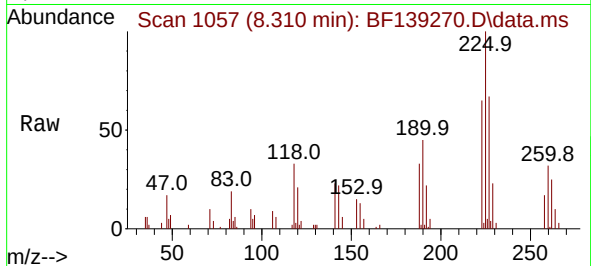




#34
Hexachlorobutadiene
Concen: 3.724 ng
RT: 8.310 min Scan# 1099
Delta R.T. -0.000 min
Lab File: BF139270.D
Acq: 06 Sep 2024 10:32

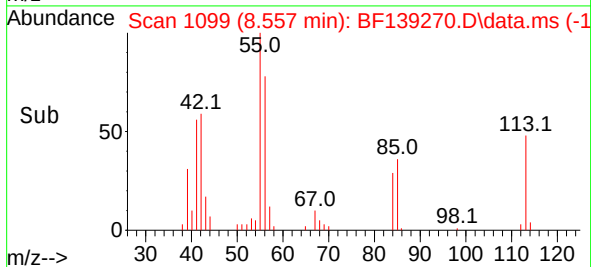
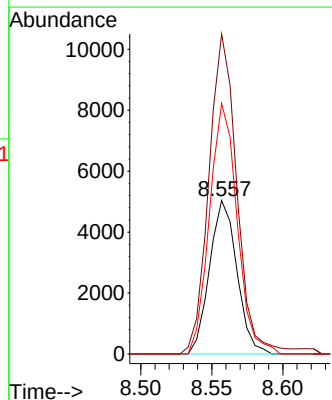
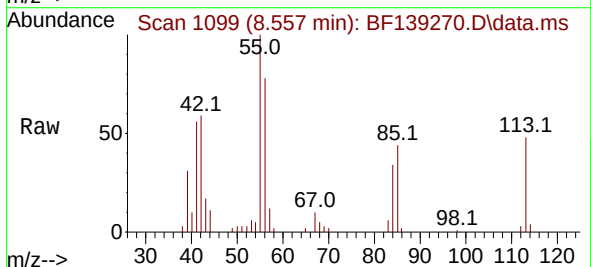
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

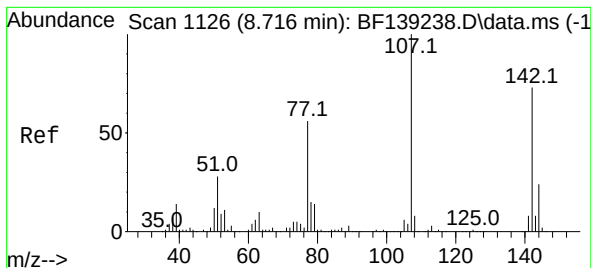
Tgt Ion:225 Resp: 16890
Ion Ratio Lower Upper
225 100
223 64.9 50.7 76.1
227 66.8 51.5 77.3



#35
Caprolactam
Concen: 3.473 ng
RT: 8.557 min Scan# 1099
Delta R.T. -0.053 min
Lab File: BF139270.D
Acq: 06 Sep 2024 10:32

Tgt Ion:113 Resp: 6739
Ion Ratio Lower Upper
113 100
55 208.6 193.7 233.7
56 163.3 145.0 185.0





#36

4-Chloro-3-methylphenol

Concen: 3.764 ng

RT: 8.710 min Scan# 1126

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

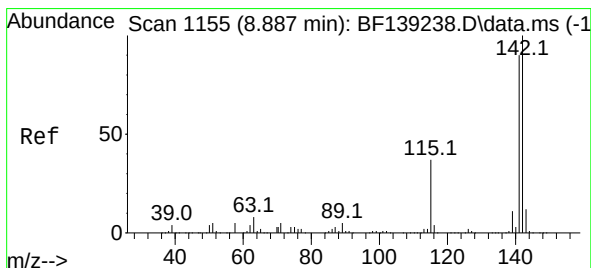
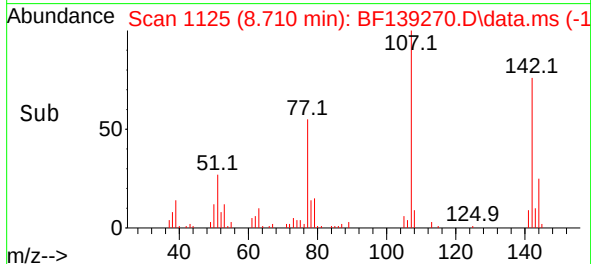
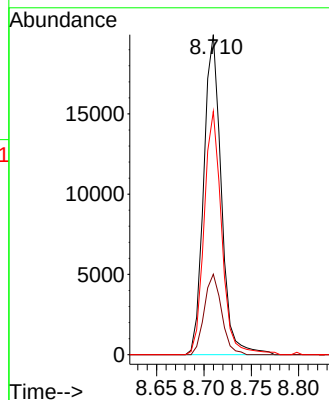
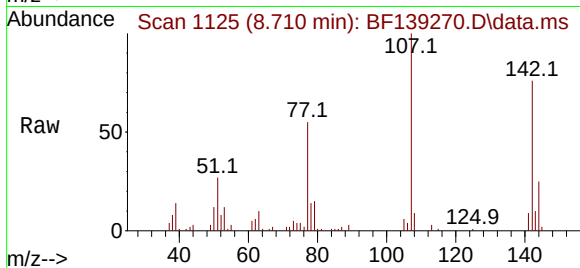
Tgt Ion:107 Resp: 25702

Ion Ratio Lower Upper

107 100

144 25.2 19.1 28.7

142 76.0 58.3 87.5



#37

2-Methylnaphthalene

Concen: 4.278 ng

RT: 8.880 min Scan# 1154

Delta R.T. -0.006 min

Lab File: BF139270.D

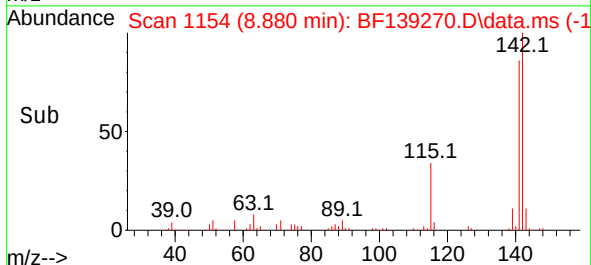
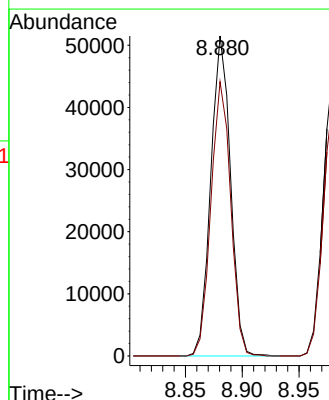
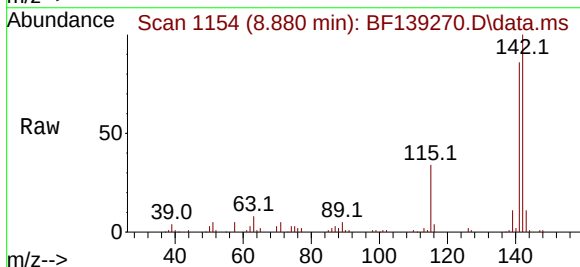
Acq: 06 Sep 2024 10:32

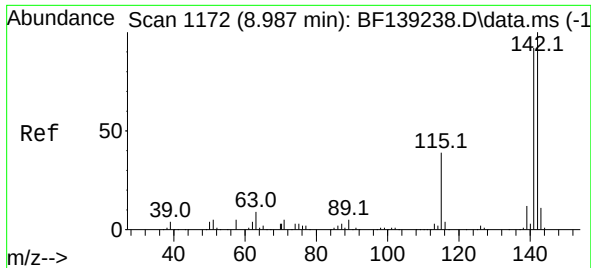
Tgt Ion:142 Resp: 62071

Ion Ratio Lower Upper

142 100

141 85.7 71.6 107.4





#38

1-Methylnaphthalene

Concen: 4.007 ng

RT: 8.980 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

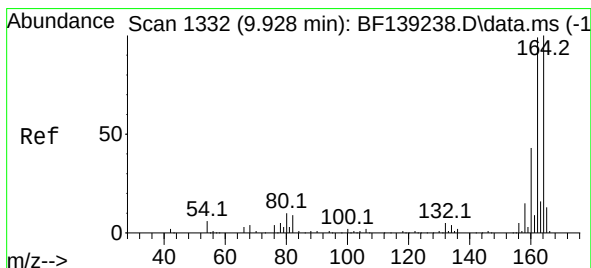
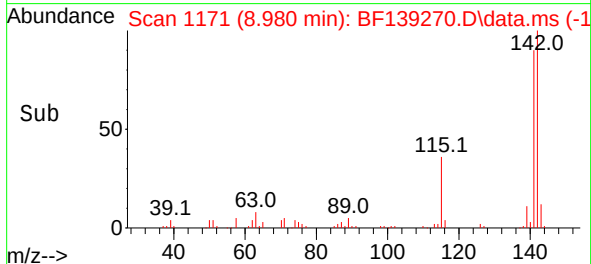
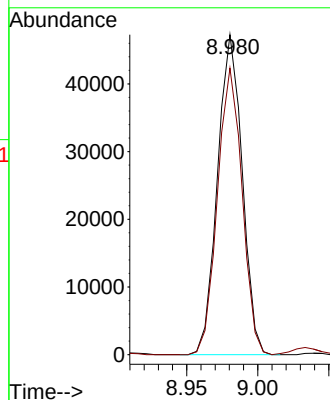
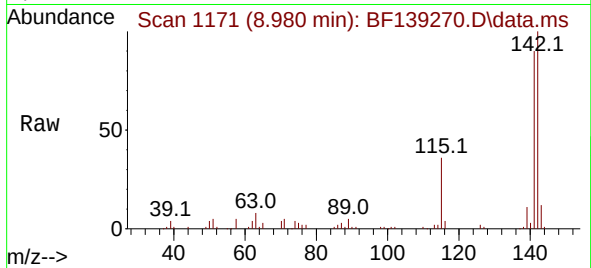
MDL-SOIL-03-QT2-2024

Tgt Ion:142 Resp: 57190

Ion Ratio Lower Upper

142 100

141 89.5 73.5 110.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

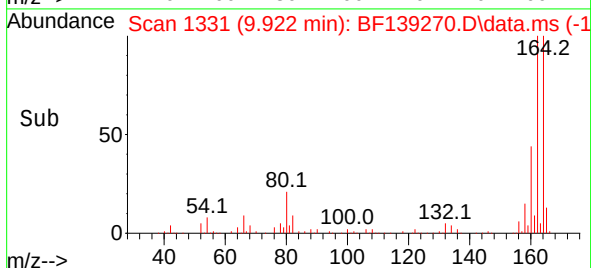
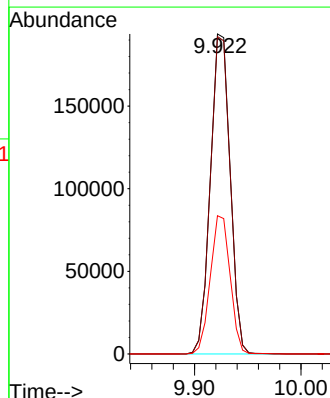
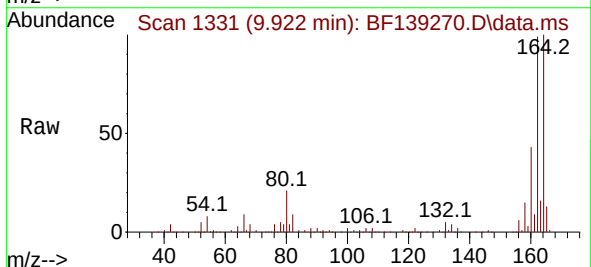
Tgt Ion:164 Resp: 249510

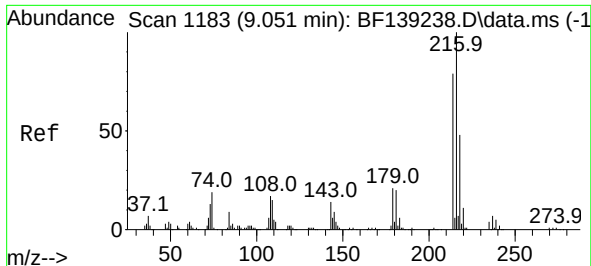
Ion Ratio Lower Upper

164 100

162 99.2 79.2 118.8

160 43.2 34.2 51.2





#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.198 ng

RT: 9.045 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:216 Resp: 29638

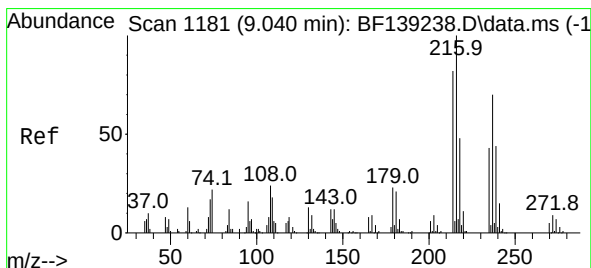
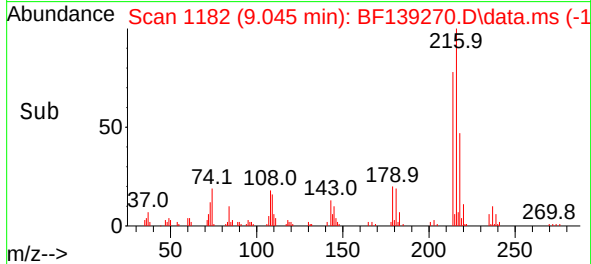
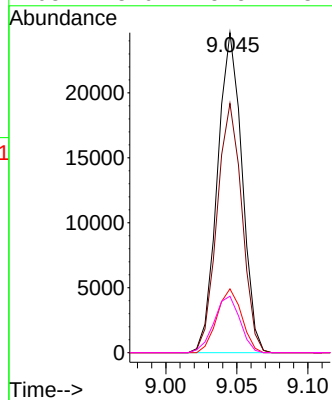
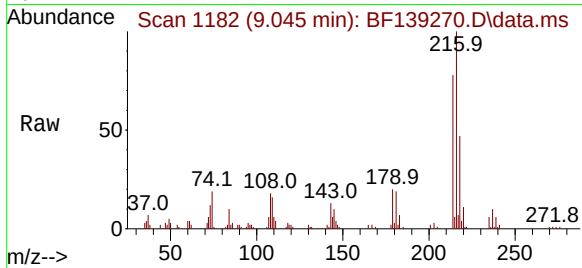
Ion Ratio Lower Upper

216 100

214 78.6 63.8 95.8

179 20.0 16.9 25.3

108 18.6 15.5 23.3



#41

Hexachlorocyclopentadiene

Concen: 3.618 ng

RT: 9.033 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

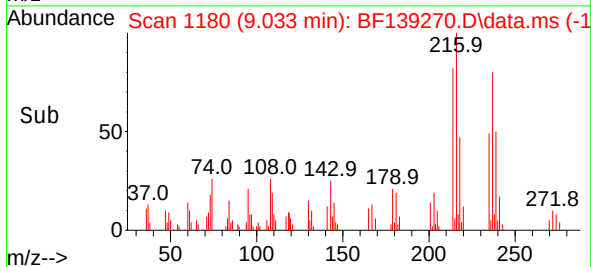
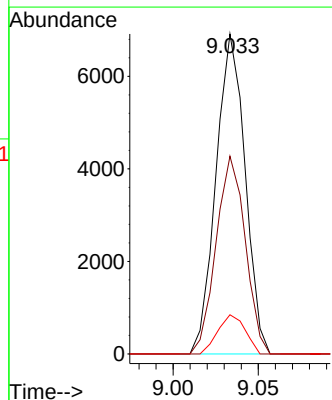
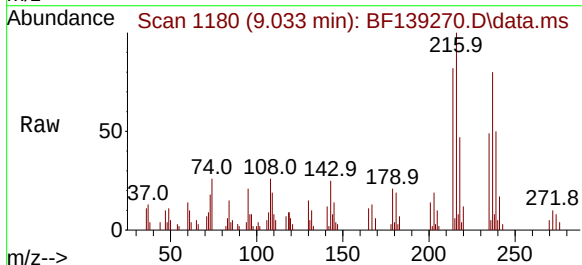
Tgt Ion:237 Resp: 8208

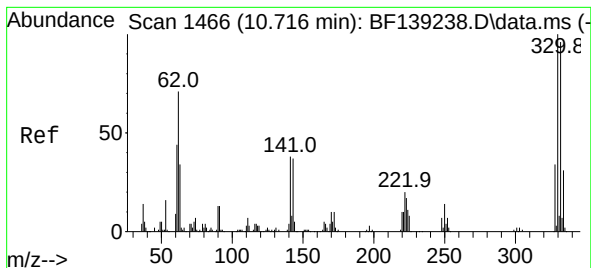
Ion Ratio Lower Upper

237 100

235 61.8 41.4 81.4

272 12.2 0.0 32.2





#42

2,4,6-Tribromophenol

Concen: 114.667 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.000 min

Lab File: BF139270.D

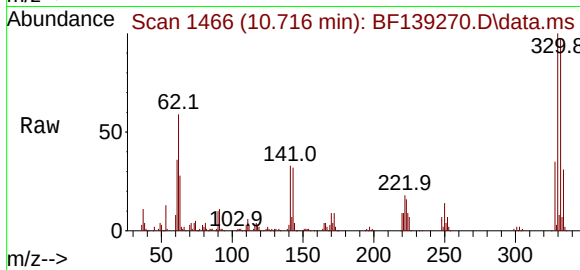
Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024



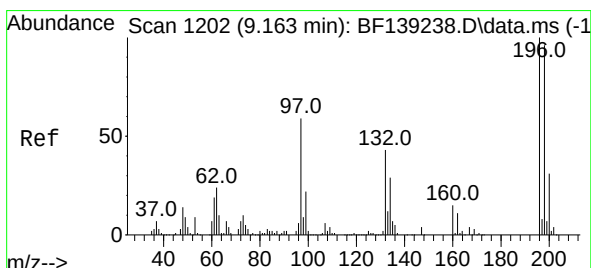
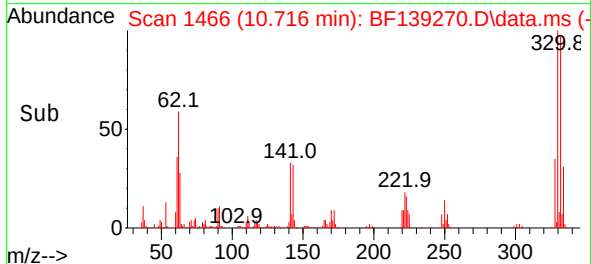
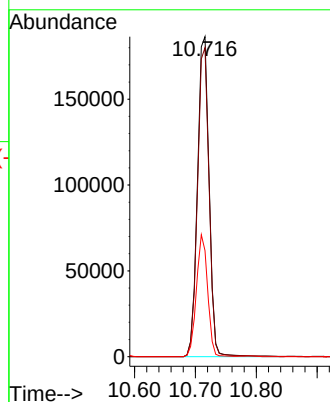
Tgt Ion:330 Resp: 247056

Ion Ratio Lower Upper

330 100

332 96.3 76.6 115.0

141 36.7 30.1 45.1



#43

2,4,6-Trichlorophenol

Concen: 3.656 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

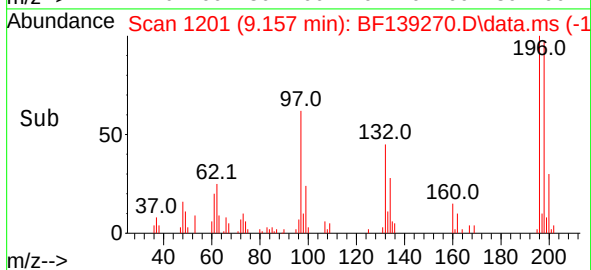
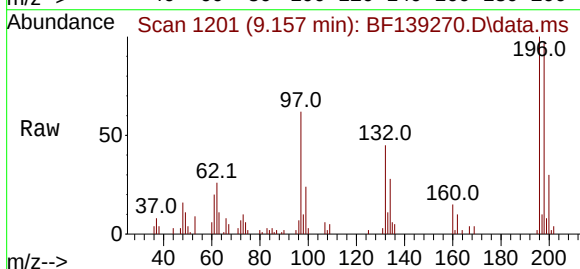
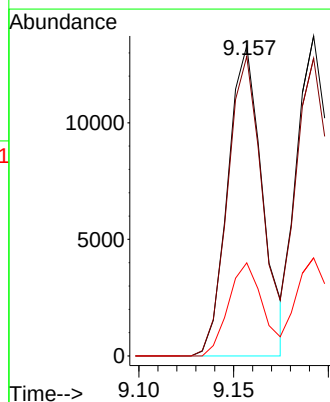
Tgt Ion:196 Resp: 16887

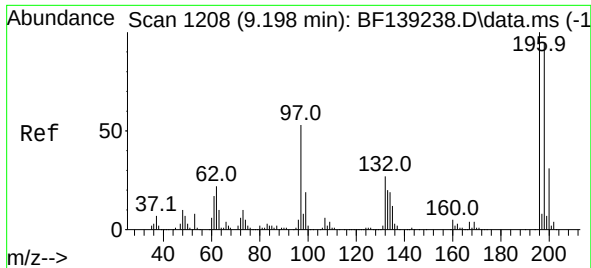
Ion Ratio Lower Upper

196 100

198 96.6 77.0 115.4

200 30.0 24.7 37.1

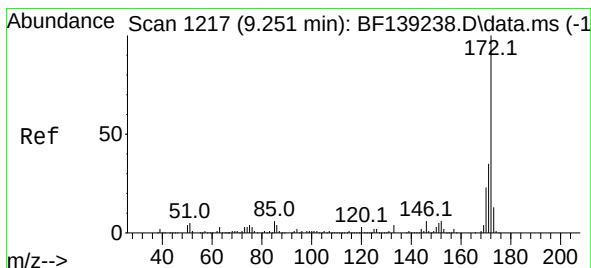
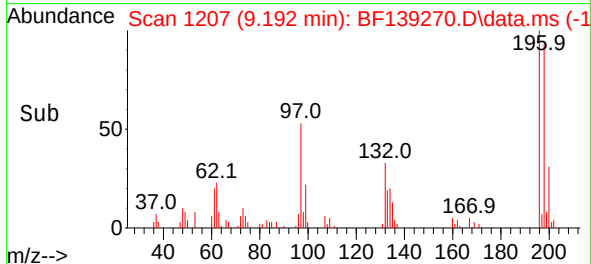
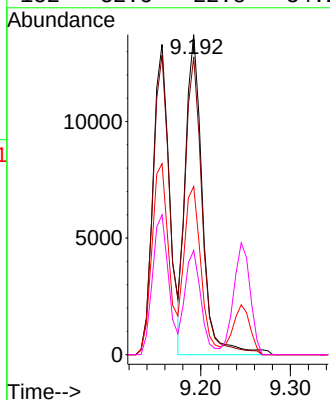
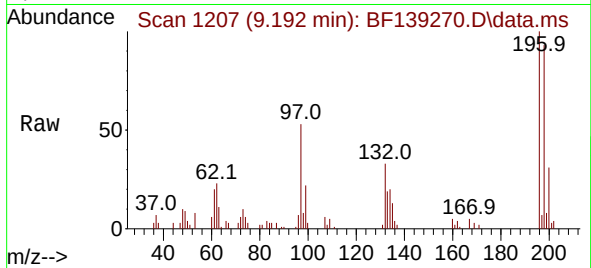




#44
2,4,5-Trichlorophenol
Concen: 3.715 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139270.D
Acq: 06 Sep 2024 10:32

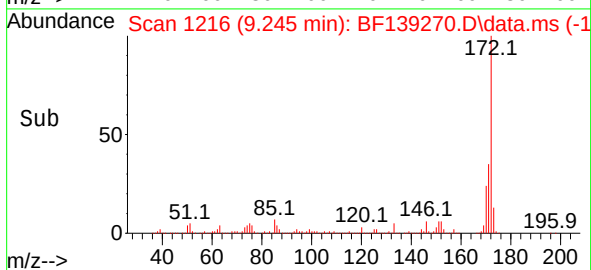
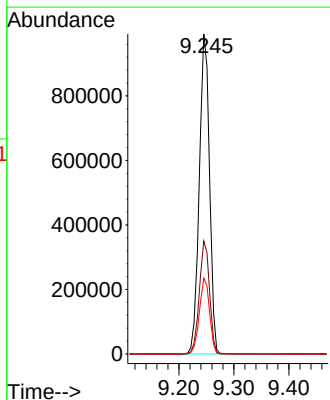
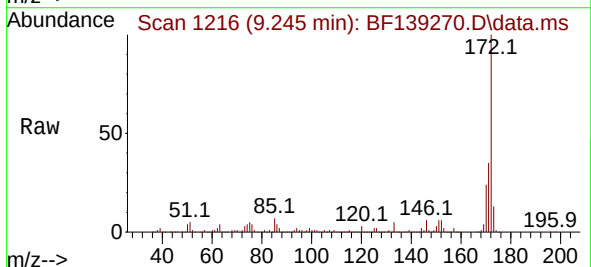
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

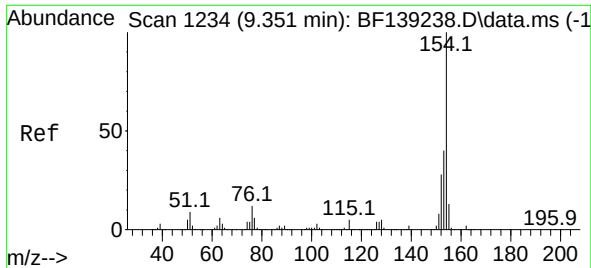
Tgt Ion:196 Resp: 17982
Ion Ratio Lower Upper
196 100
198 93.0 75.6 113.4
97 52.6 43.6 65.4
132 32.5 22.8 34.2



#45
2-Fluorobiphenyl
Concen: 79.493 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139270.D
Acq: 06 Sep 2024 10:32

Tgt Ion:172 Resp: 1284898
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.7 18.7 28.1





#46

1,1'-Biphenyl

Concen: 4.462 ng

RT: 9.345 min Scan# 1234

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

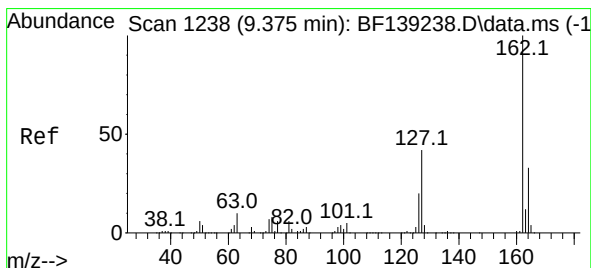
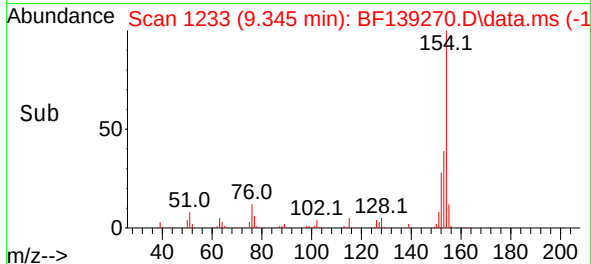
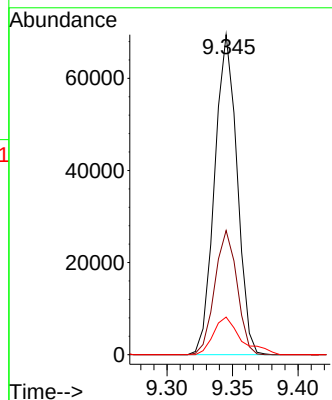
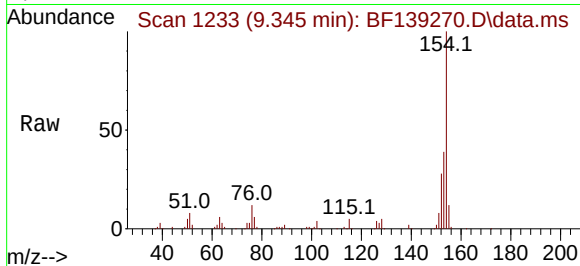
Tgt Ion:154 Resp: 82495

Ion Ratio Lower Upper

154 100

153 38.8 20.1 60.1

76 11.7 0.0 32.3



#47

2-Chloronaphthalene

Concen: 4.127 ng

RT: 9.369 min Scan# 1237

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

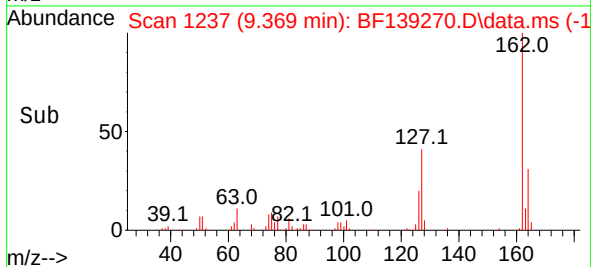
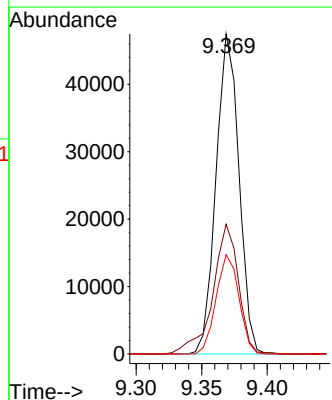
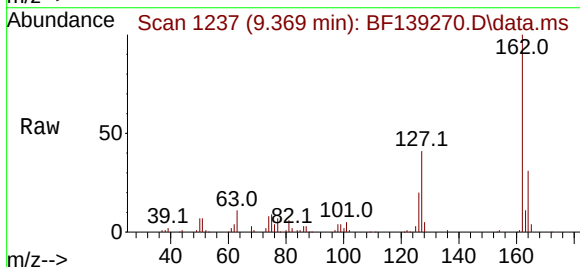
Tgt Ion:162 Resp: 57604

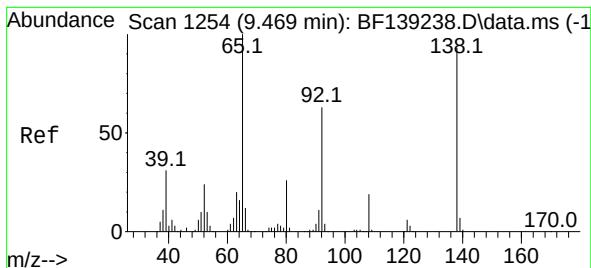
Ion Ratio Lower Upper

162 100

127 40.5 34.2 51.4

164 31.0 26.2 39.2





#48

2-Nitroaniline

Concen: 3.608 ng

RT: 9.463 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

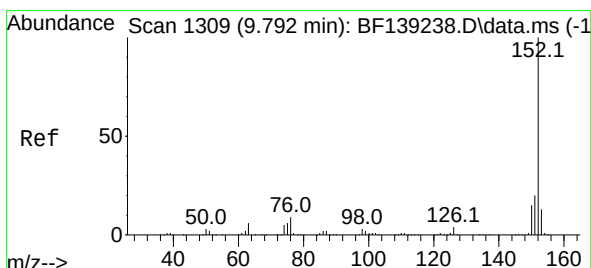
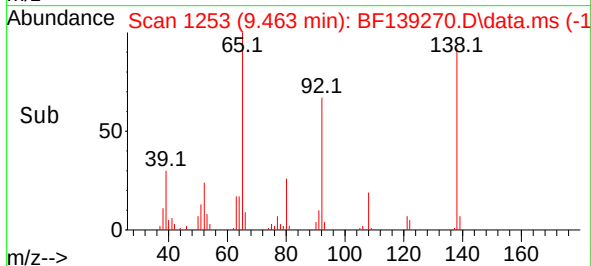
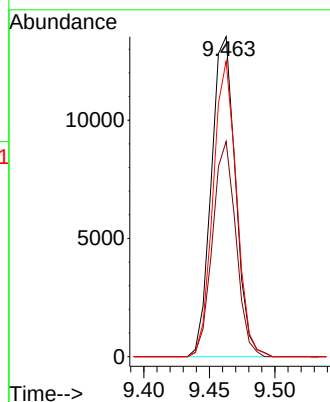
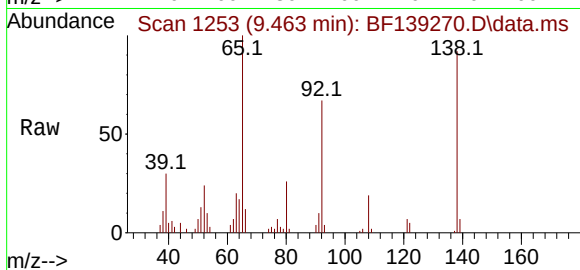
Tgt Ion: 65 Resp: 17345

Ion Ratio Lower Upper

65 100

92 67.2 50.4 75.6

138 92.4 74.2 111.4



#49

Acenaphthylene

Concen: 4.422 ng

RT: 9.786 min Scan# 1308

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

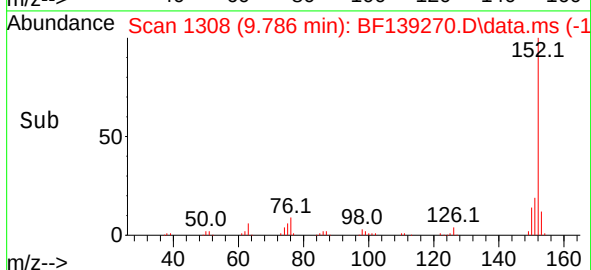
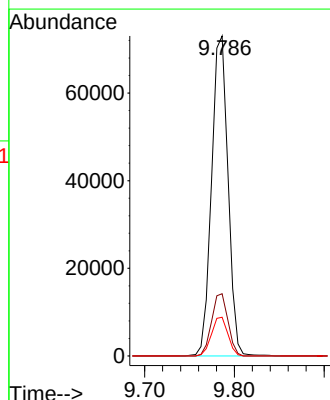
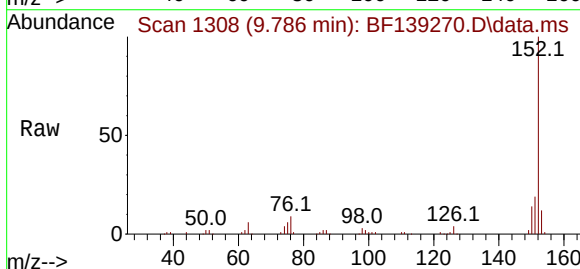
Tgt Ion: 152 Resp: 92976

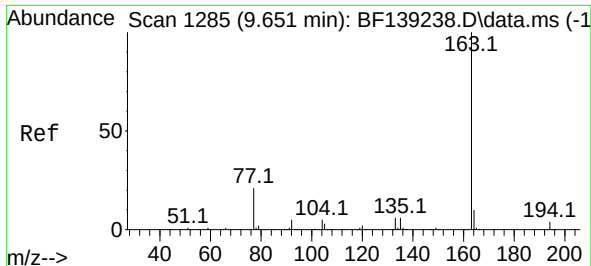
Ion Ratio Lower Upper

152 100

151 19.4 16.0 24.0

153 12.1 10.4 15.6





#50

Dimethylphthalate

Concen: 4.141 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

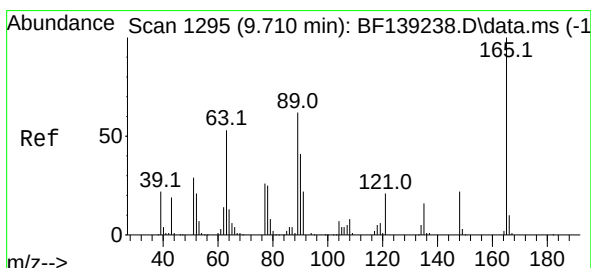
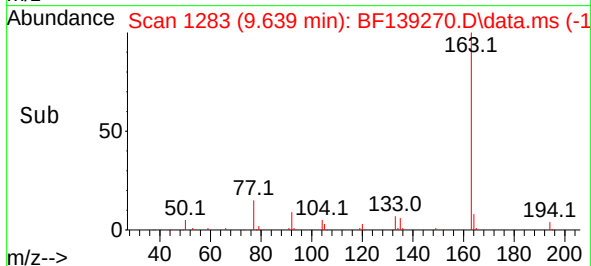
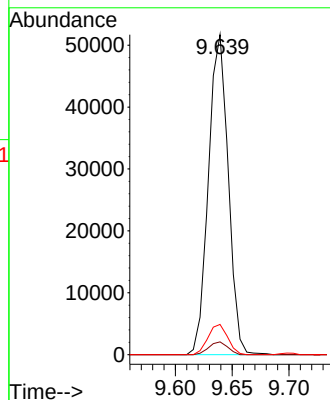
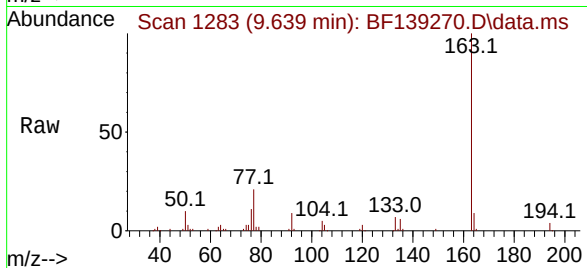
Tgt Ion:163 Resp: 62629

Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

164 9.5 7.9 11.9



#51

2,6-Dinitrotoluene

Concen: 3.640 ng

RT: 9.698 min Scan# 1293

Delta R.T. -0.012 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

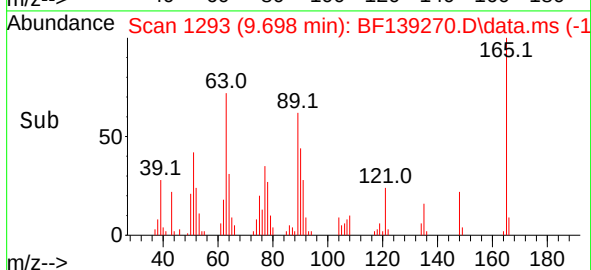
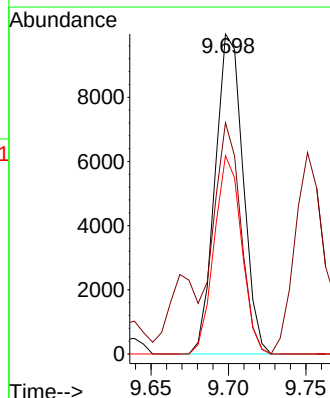
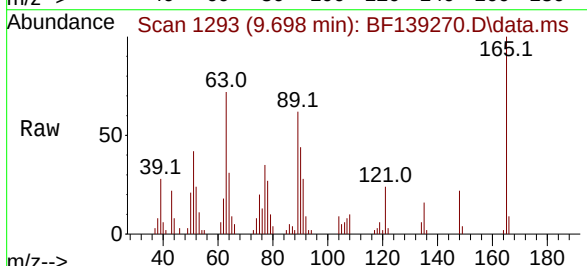
Tgt Ion:165 Resp: 12489

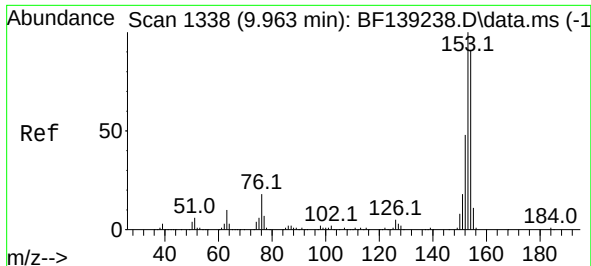
Ion Ratio Lower Upper

165 100

63 72.2 56.1 84.1

89 61.9 49.7 74.5





#52

Acenaphthene

Concen: 3.894 ng

RT: 9.957 min Scan# 1337

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

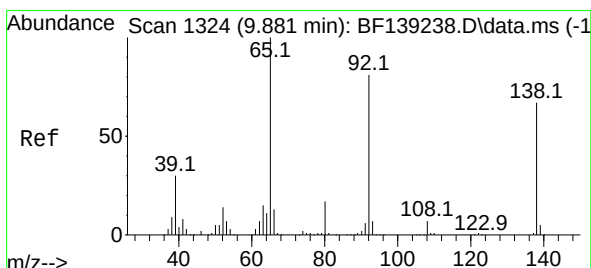
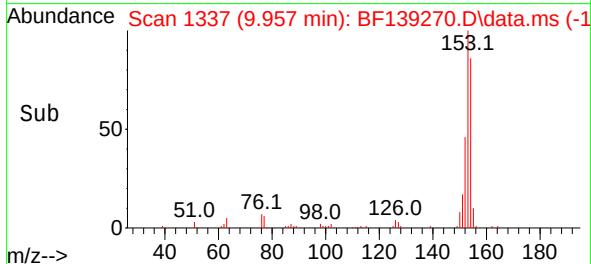
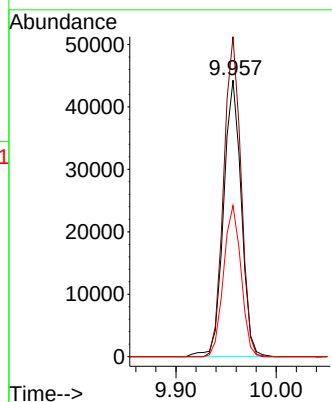
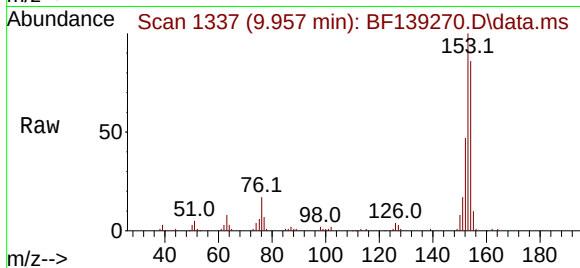
Tgt Ion:154 Resp: 54302

Ion Ratio Lower Upper

154 100

153 115.8 87.8 131.6

152 54.7 41.7 62.5



#53

3-Nitroaniline

Concen: 3.644 ng

RT: 9.869 min Scan# 1322

Delta R.T. -0.012 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

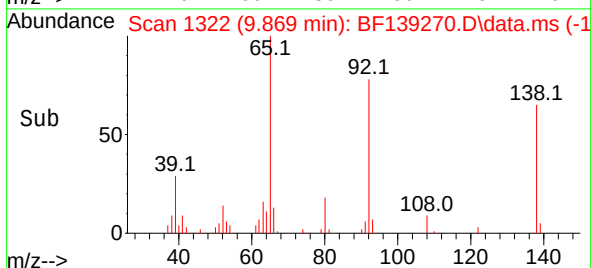
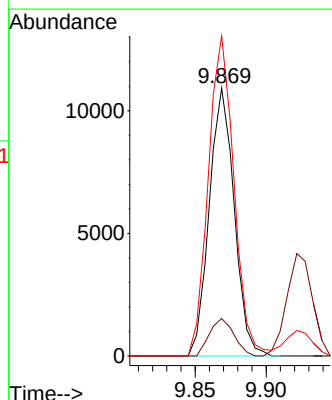
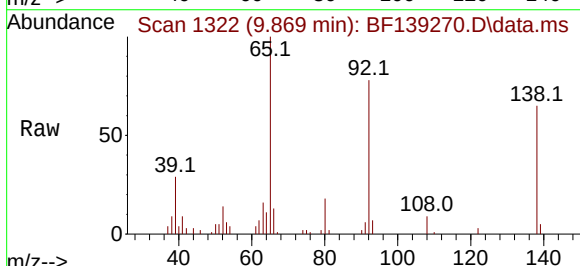
Tgt Ion:138 Resp: 13320

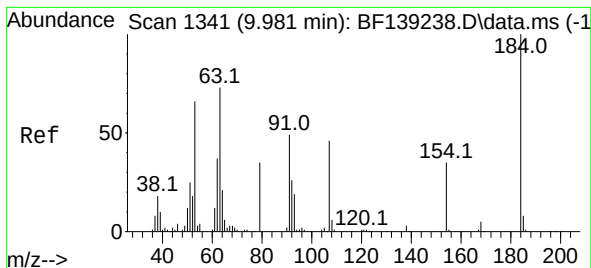
Ion Ratio Lower Upper

138 100

108 13.9 8.6 13.0#

92 119.5 96.4 144.6





#54

2,4-Dinitrophenol

Concen: 8.143 ng

RT: 9.975 min Scan# 1340

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

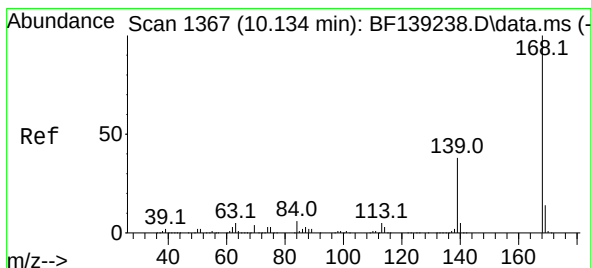
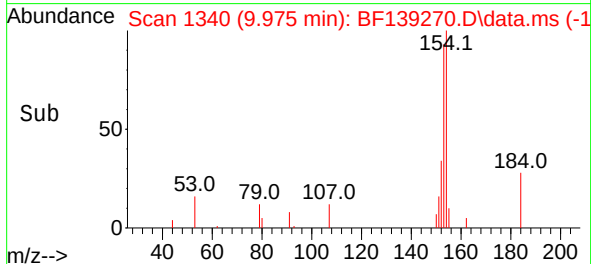
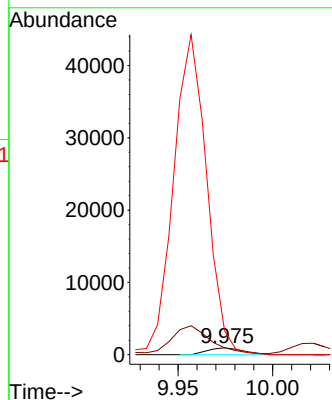
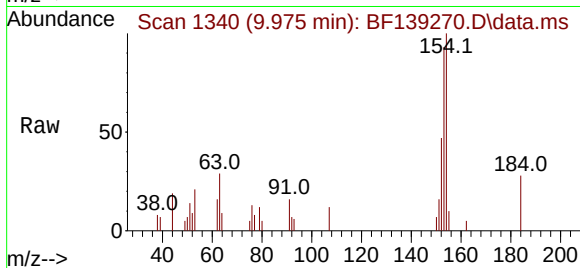
Tgt Ion:184 Resp: 1224

Ion Ratio Lower Upper

184 100

63 101.1 66.4 99.6#

154 353.4 97.0 145.6#



#55

Dibenzofuran

Concen: 4.222 ng

RT: 10.127 min Scan# 1366

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

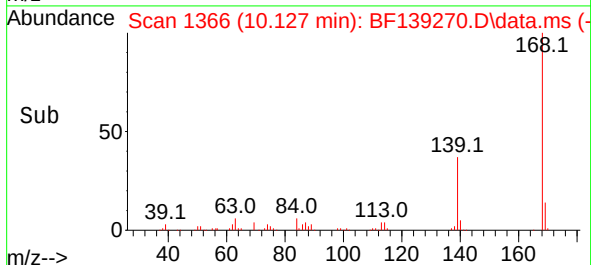
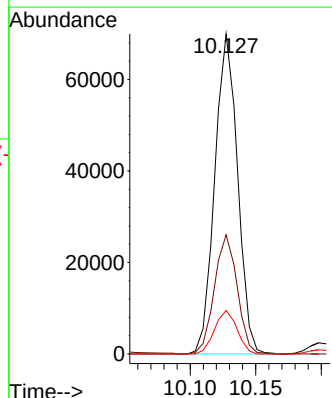
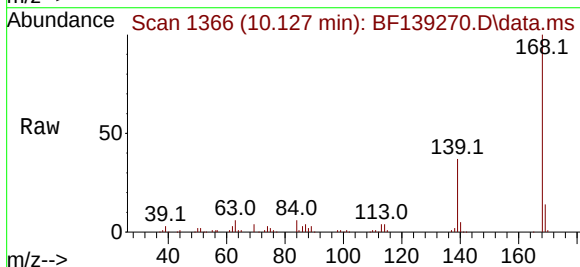
Tgt Ion:168 Resp: 84407

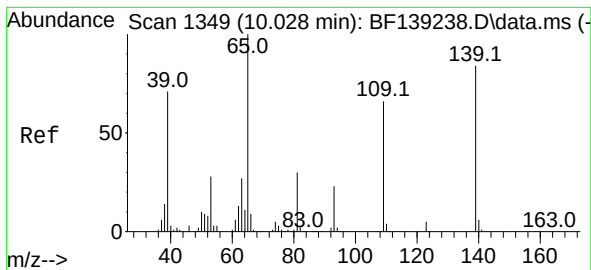
Ion Ratio Lower Upper

168 100

139 37.2 30.2 45.4

169 13.6 10.8 16.2

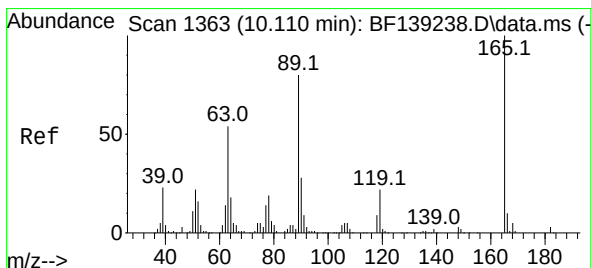
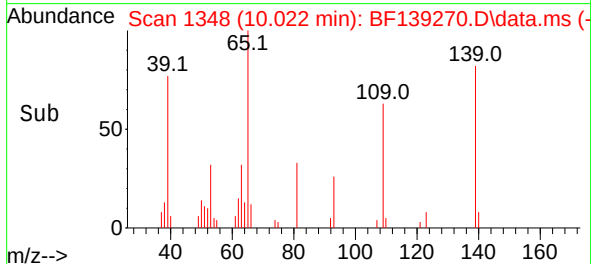
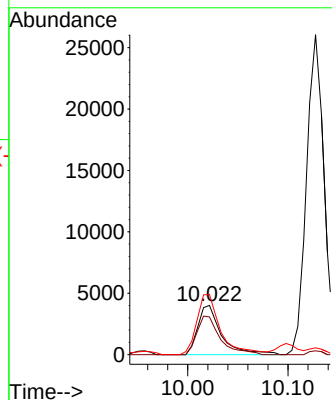
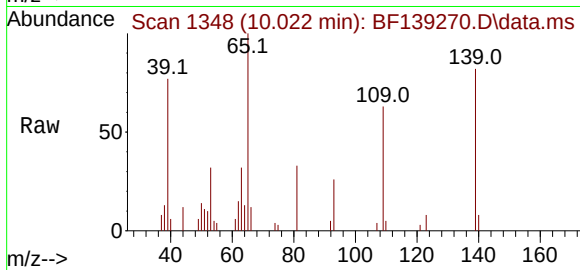




#56
4-Nitrophenol
Concen: 2.439 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BF139270.D
Acq: 06 Sep 2024 10:32

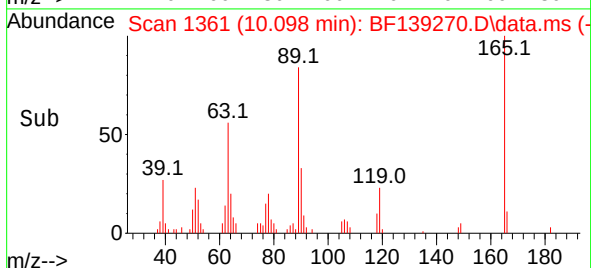
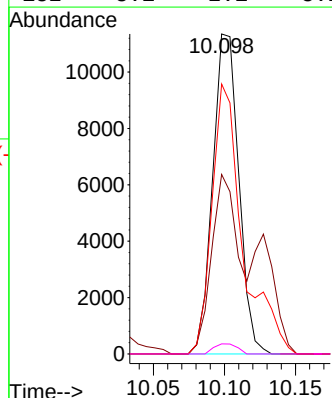
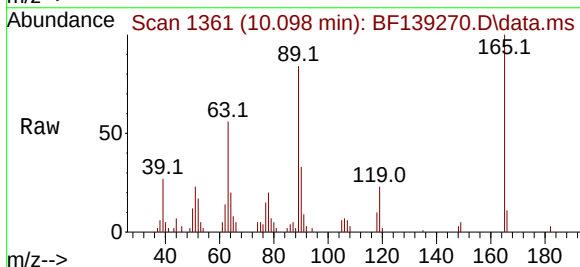
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

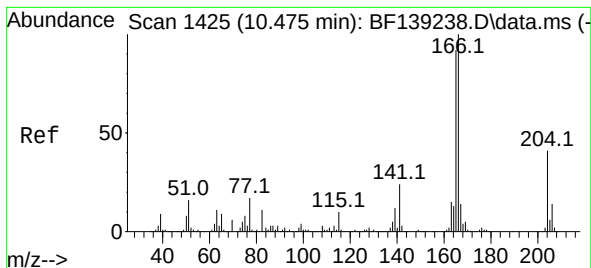
Tgt Ion:139 Resp: 6581
Ion Ratio Lower Upper
139 100
109 76.8 58.7 98.7
65 122.1 100.3 140.3



#57
2,4-Dinitrotoluene
Concen: 3.316 ng
RT: 10.098 min Scan# 1361
Delta R.T. -0.012 min
Lab File: BF139270.D
Acq: 06 Sep 2024 10:32

Tgt Ion:165 Resp: 14482
Ion Ratio Lower Upper
165 100
63 56.1 43.4 65.0
89 84.4 64.2 96.4
182 3.1 2.1 3.1#





#58

Fluorene

Concen: 4.277 ng

RT: 10.469 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

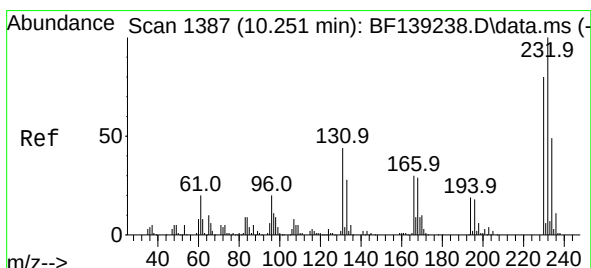
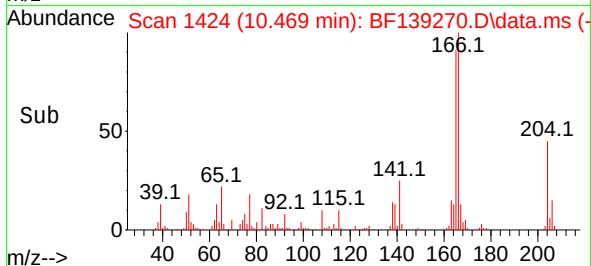
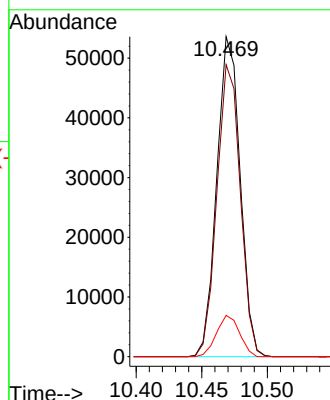
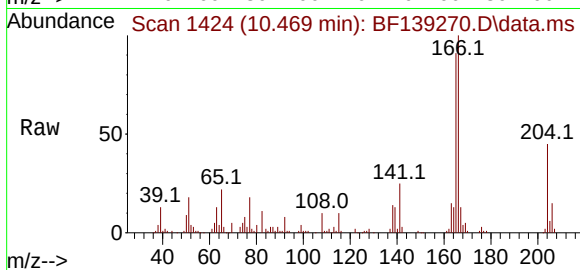
Tgt Ion:166 Resp: 66297

Ion Ratio Lower Upper

166 100

165 91.3 73.7 110.5

167 12.9 10.9 16.3



#59

2,3,4,6-Tetrachlorophenol

Concen: 3.708 ng

RT: 10.245 min Scan# 1386

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Tgt Ion:232 Resp: 14126

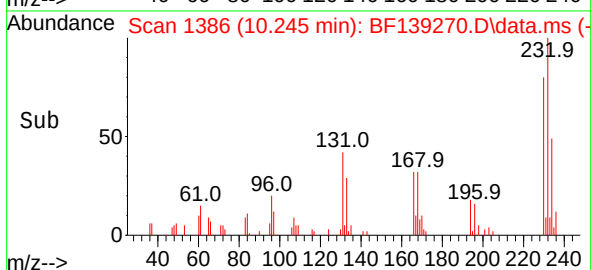
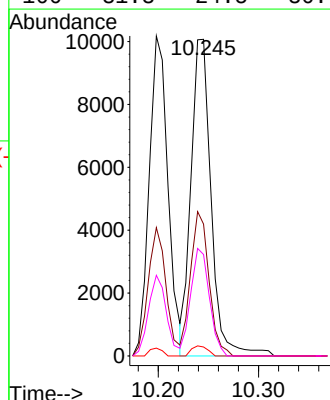
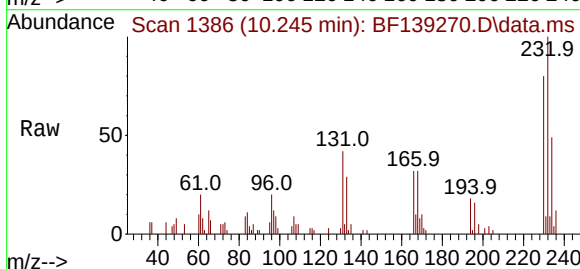
Ion Ratio Lower Upper

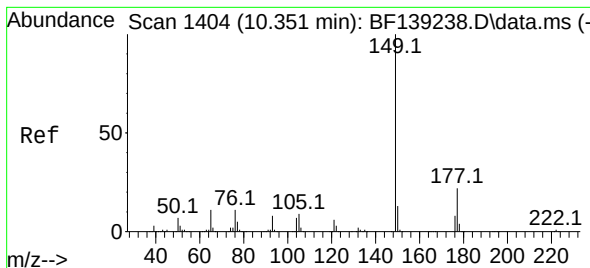
232 100

131 41.6 37.7 56.5

130 2.5 1.9 2.9

166 31.3 24.5 36.7





#60

Diethylphthalate

Concen: 4.053 ng

RT: 10.339 min Scan# 1402

Delta R.T. -0.012 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

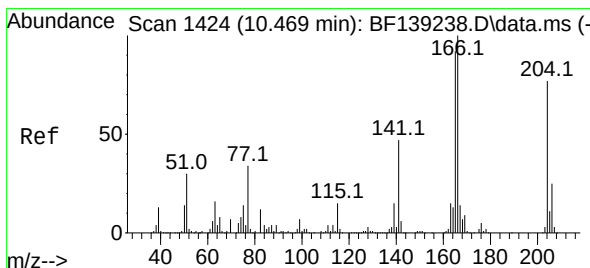
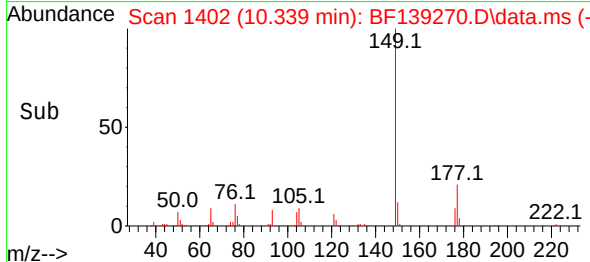
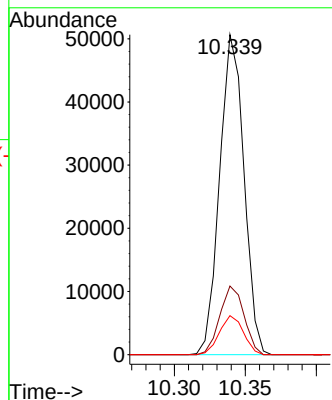
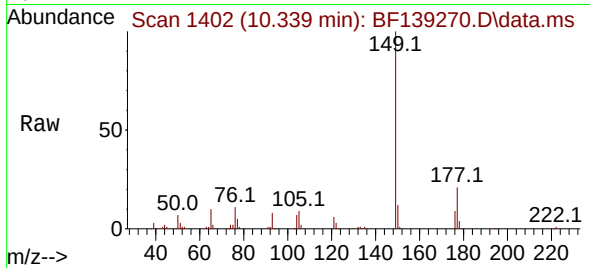
Tgt Ion:149 Resp: 60317

Ion Ratio Lower Upper

149 100

177 21.4 17.7 26.5

150 12.2 10.2 15.2



#61

4-Chlorophenyl-phenylether

Concen: 4.266 ng

RT: 10.463 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

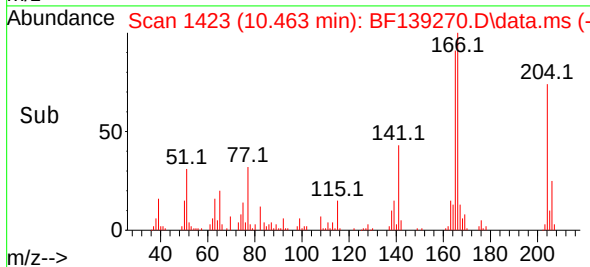
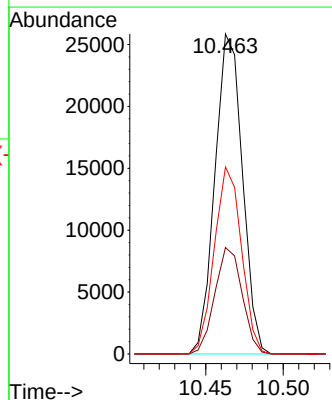
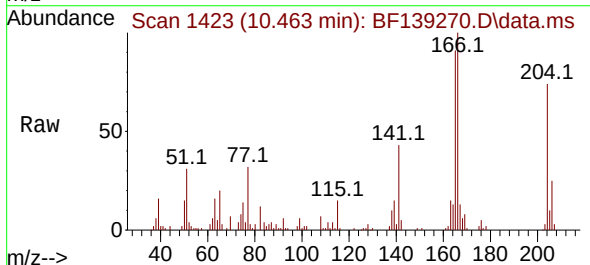
Tgt Ion:204 Resp: 31887

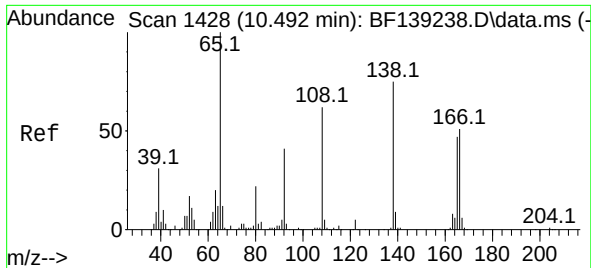
Ion Ratio Lower Upper

204 100

206 33.3 25.8 38.8

141 58.4 48.6 72.8





#62

4-Nitroaniline

Concen: 3.428 ng

RT: 10.474 min Scan# 1425

Delta R.T. -0.018 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

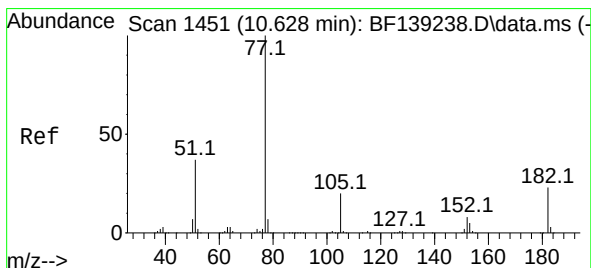
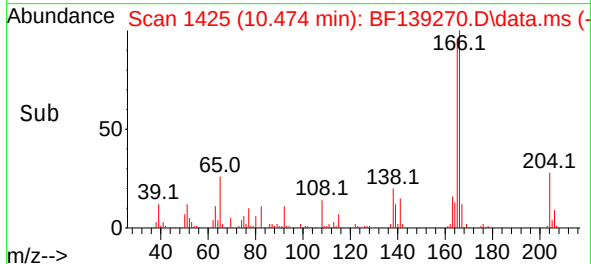
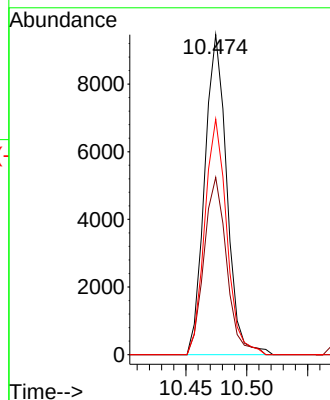
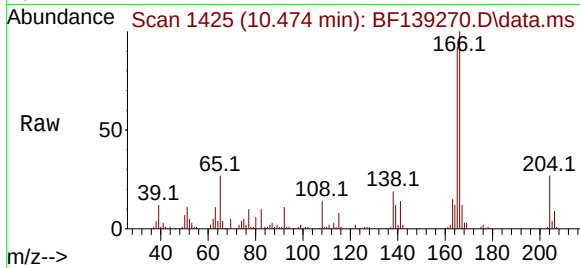
Tgt Ion:138 Resp: 11929

Ion Ratio Lower Upper

138 100

92 55.4 34.4 74.4

108 73.6 62.7 102.7



#63

Azobenzene

Concen: 4.034 ng

RT: 10.627 min Scan# 1451

Delta R.T. -0.000 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Tgt Ion: 77 Resp: 63280

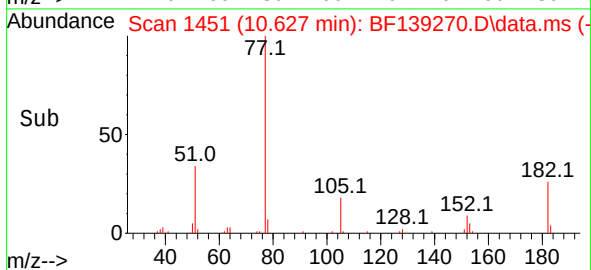
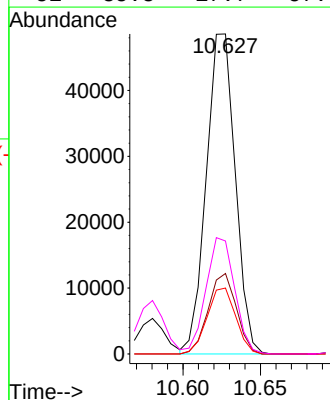
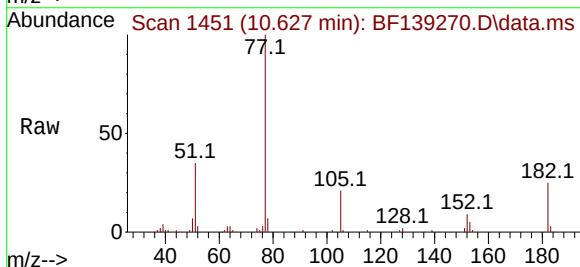
Ion Ratio Lower Upper

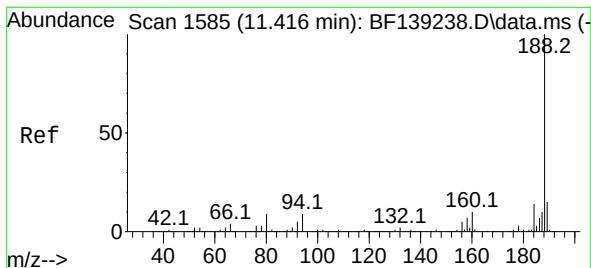
77 100

182 25.2 3.0 43.0

105 20.6 0.0 39.4

51 35.3 17.7 57.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

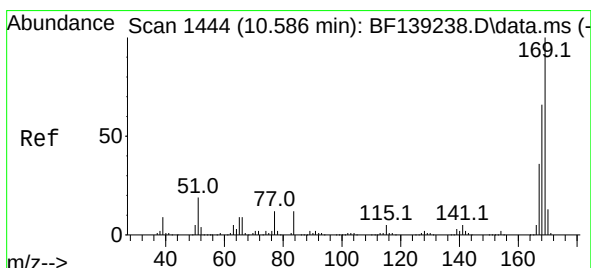
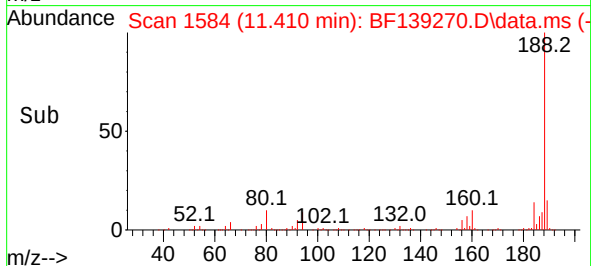
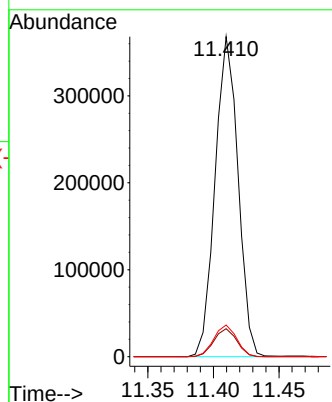
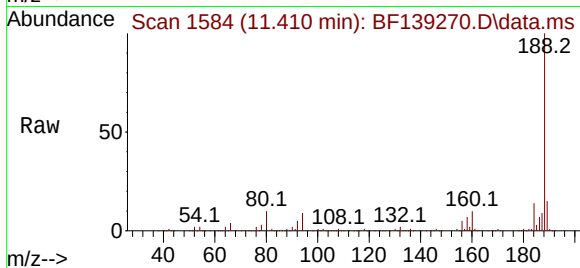
Tgt Ion:188 Resp: 447311

Ion Ratio Lower Upper

188 100

94 8.8 7.0 10.4

80 9.9 7.3 10.9



#66

n-Nitrosodiphenylamine

Concen: 4.244 ng

RT: 10.580 min Scan# 1443

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

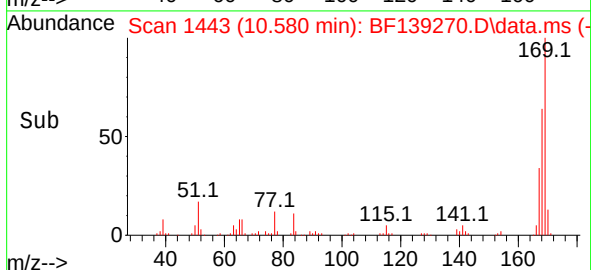
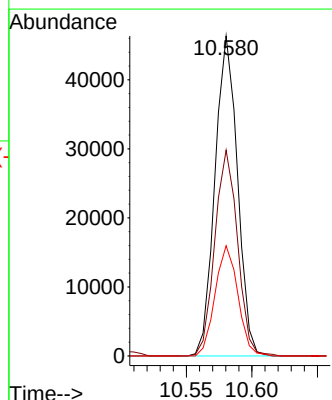
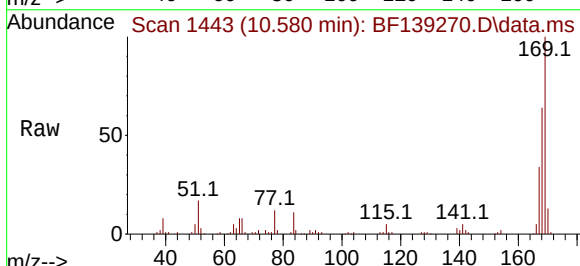
Tgt Ion:169 Resp: 55258

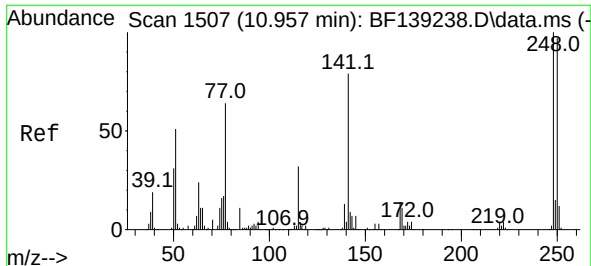
Ion Ratio Lower Upper

169 100

168 64.3 53.0 79.6

167 34.4 29.0 43.6





#67

4-Bromophenyl-phenylether

Concen: 4.079 ng

RT: 10.957 min Scan# 1507

Delta R.T. -0.000 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

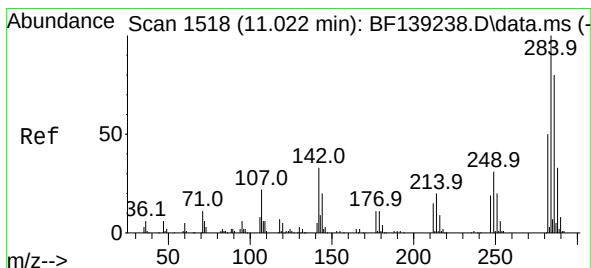
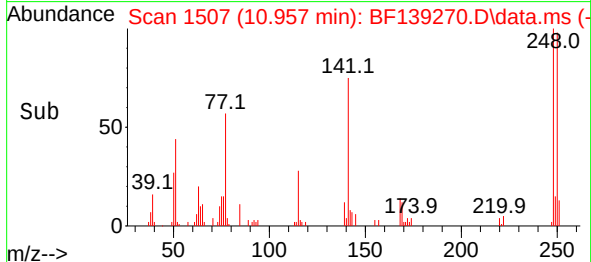
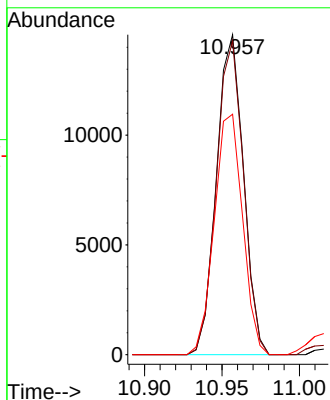
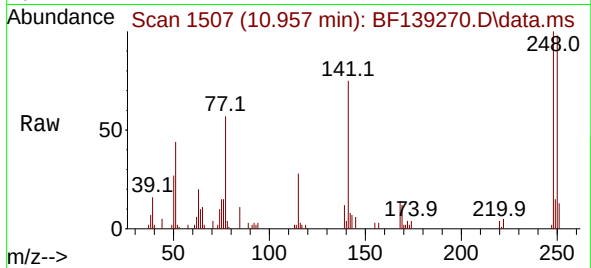
Tgt Ion:248 Resp: 17703

Ion Ratio Lower Upper

248 100

250 98.0 77.2 115.8

141 75.2 63.6 95.4



#68

Hexachlorobenzene

Concen: 4.078 ng

RT: 11.016 min Scan# 1517

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

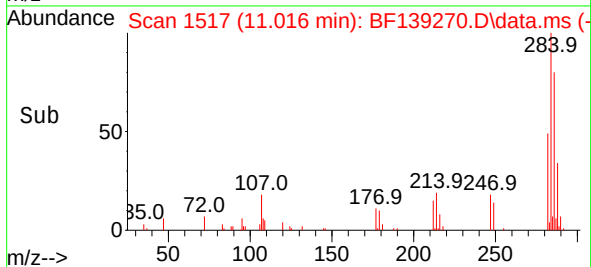
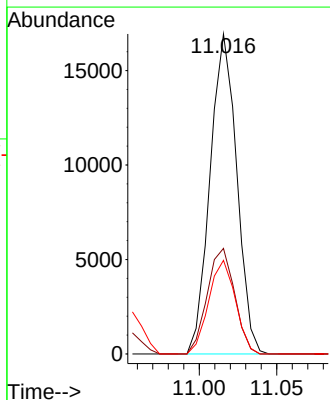
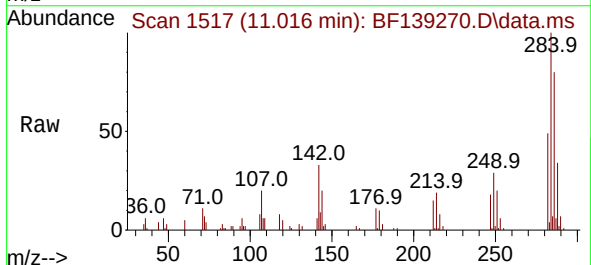
Tgt Ion:284 Resp: 20259

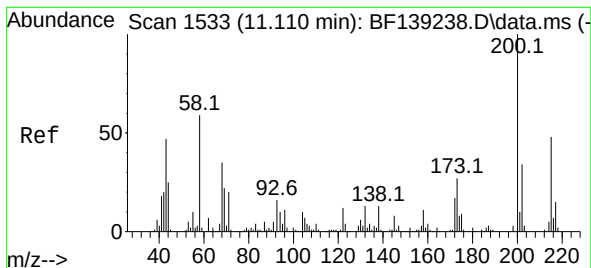
Ion Ratio Lower Upper

284 100

142 33.0 26.5 39.7

249 29.3 24.8 37.2





#69

Atrazine

Concen: 4.895 ng

RT: 11.104 min Scan# 1532

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

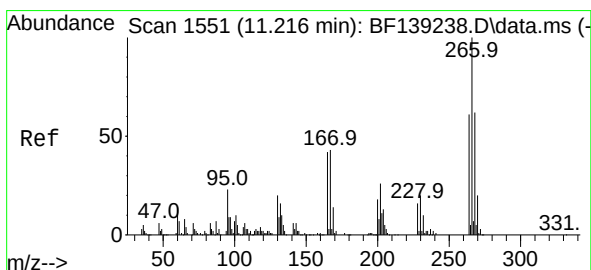
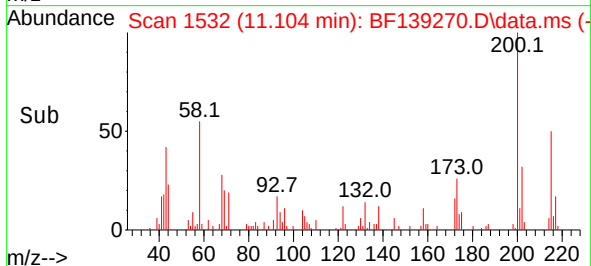
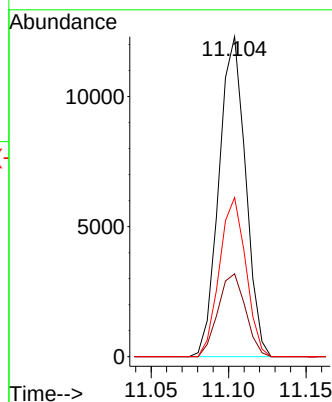
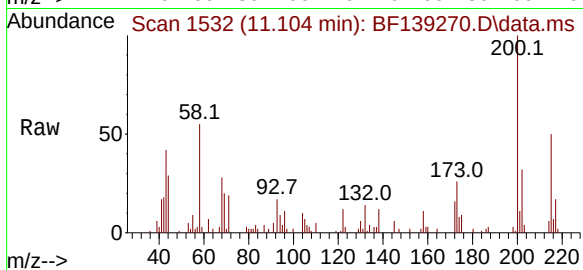
Tgt Ion:200 Resp: 14704

Ion Ratio Lower Upper

200 100

173 25.9 7.1 47.1

215 49.8 28.5 68.5



#70

Pentachlorophenol

Concen: 2.207 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

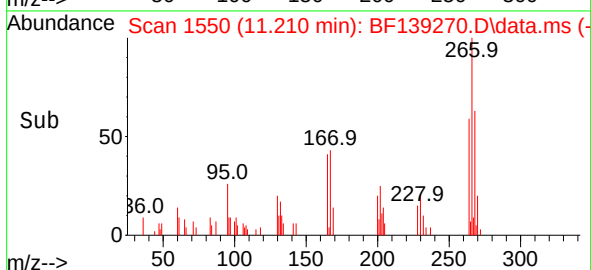
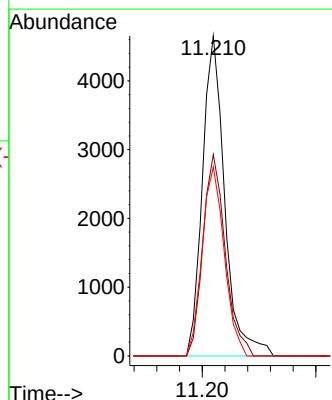
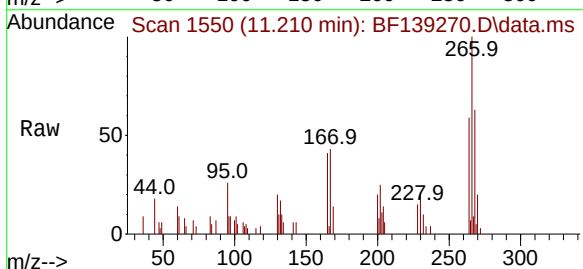
Tgt Ion:266 Resp: 6333

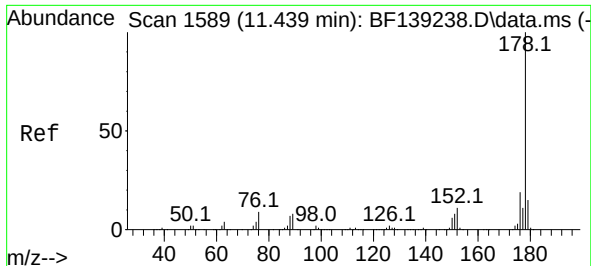
Ion Ratio Lower Upper

266 100

268 63.0 49.7 74.5

264 59.0 49.2 73.8

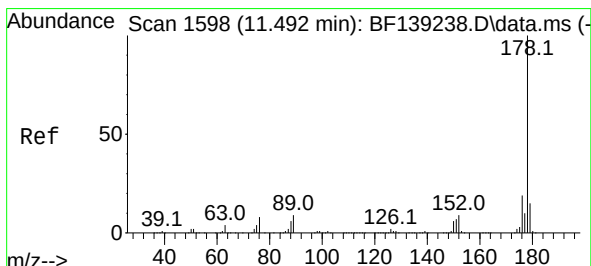
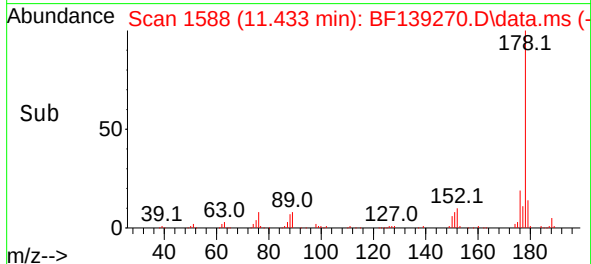
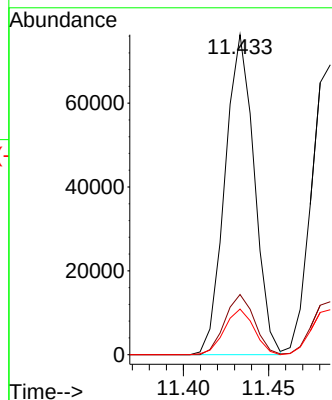
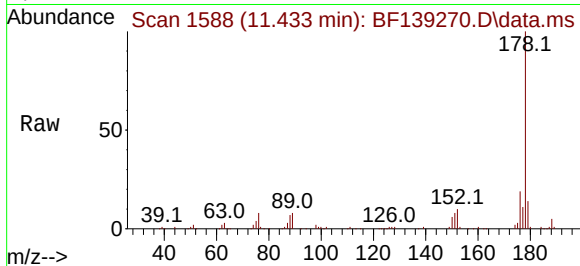




#71
Phenanthrene
Concen: 4.361 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139270.D
Acq: 06 Sep 2024 10:32

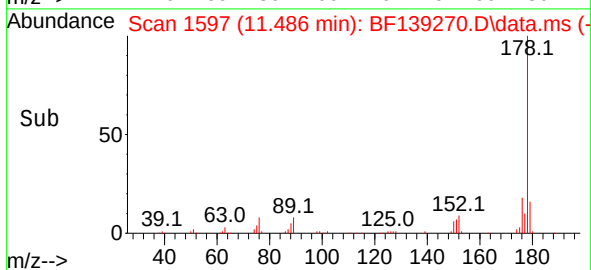
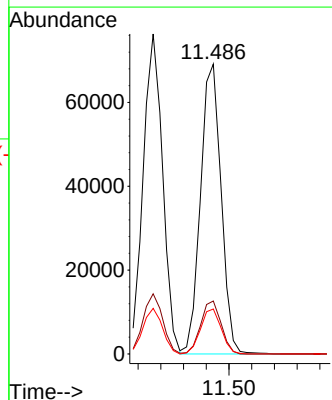
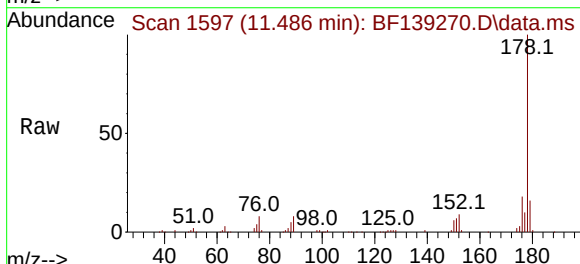
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

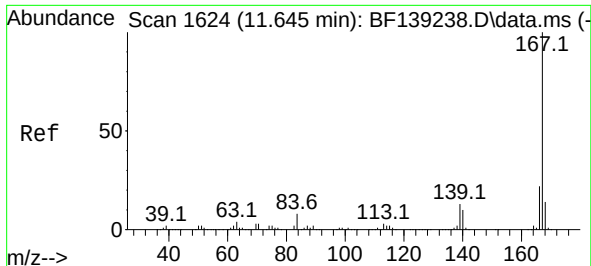
Tgt Ion:178 Resp: 91135
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 14.2 12.3 18.5



#72
Anthracene
Concen: 4.270 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF139270.D
Acq: 06 Sep 2024 10:32

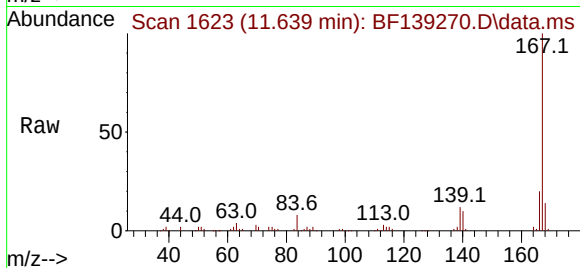
Tgt Ion:178 Resp: 87166
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.4
179 15.5 12.3 18.5



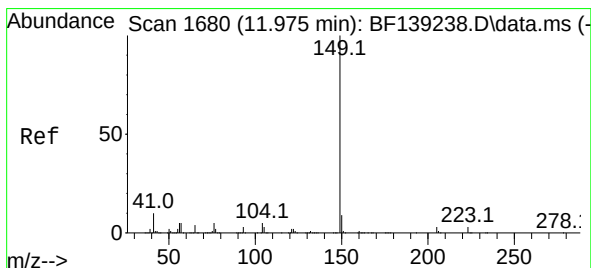
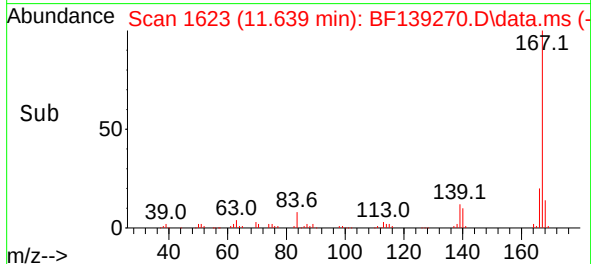
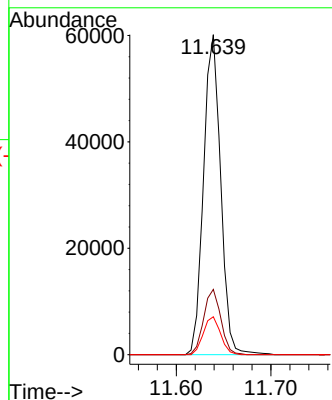


#73
Carbazole
Concen: 3.952 ng
RT: 11.639 min Scan# 1623
Delta R.T. -0.006 min
Lab File: BF139270.D
Acq: 06 Sep 2024 10:32

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

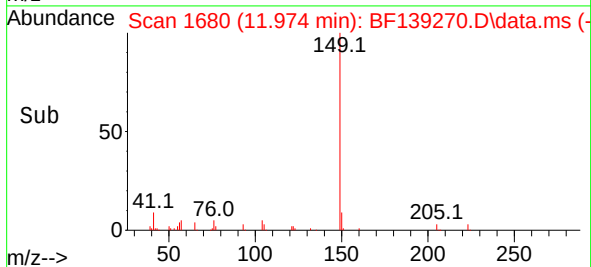
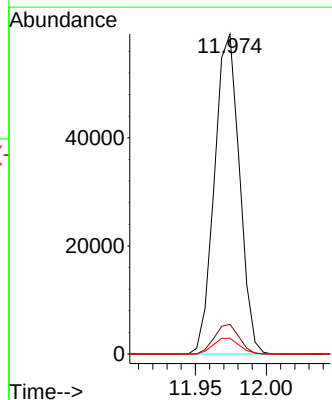
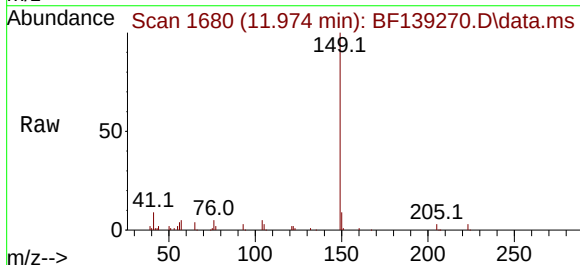


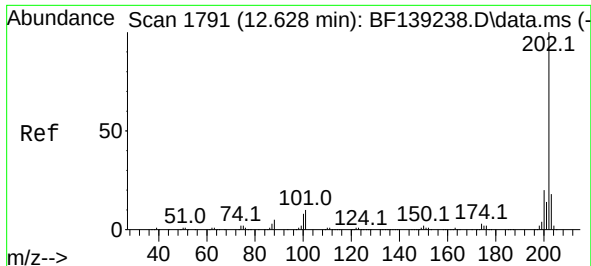
Tgt Ion:167 Resp: 75394
Ion Ratio Lower Upper
167 100
166 20.4 17.2 25.8
139 11.8 10.2 15.4



#74
Di-n-butylphthalate
Concen: 3.710 ng
RT: 11.974 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BF139270.D
Acq: 06 Sep 2024 10:32

Tgt Ion:149 Resp: 72466
Ion Ratio Lower Upper
149 100
150 9.2 7.5 11.3
104 4.9 3.9 5.9





#75

Fluoranthene

Concen: 3.971 ng

RT: 12.621 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

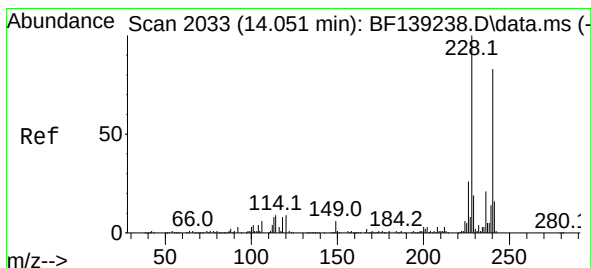
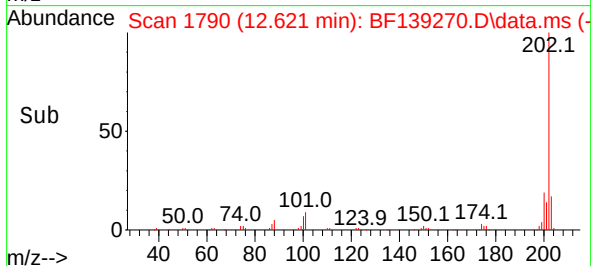
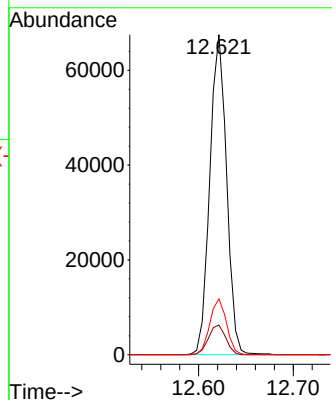
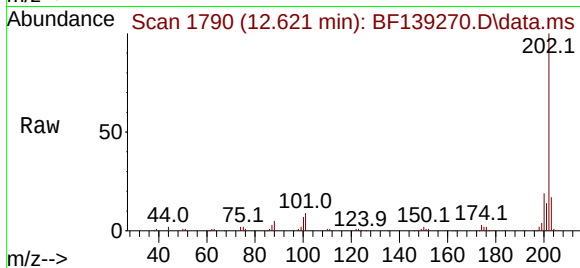
Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:202	Resp:	83193
Ion Ratio	Lower	Upper
202	100	
101	9.3	0.0 29.9
203	17.5	0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

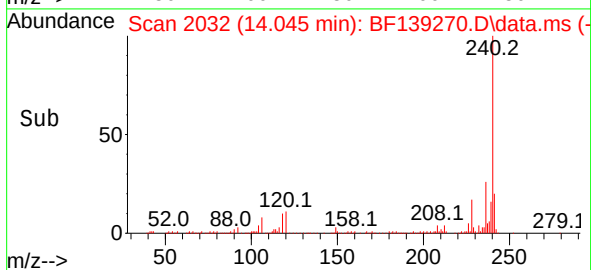
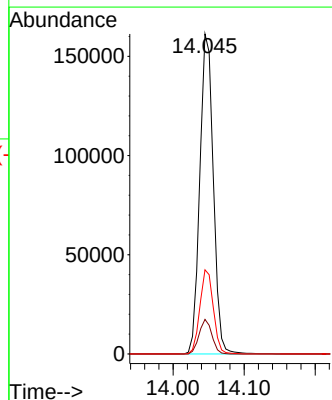
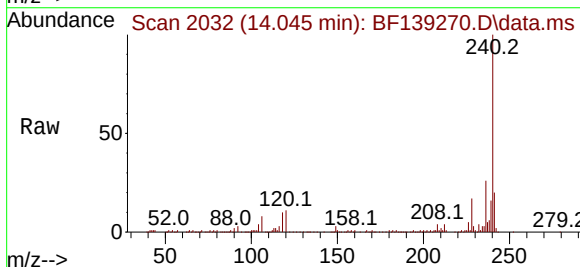
RT: 14.045 min Scan# 2032

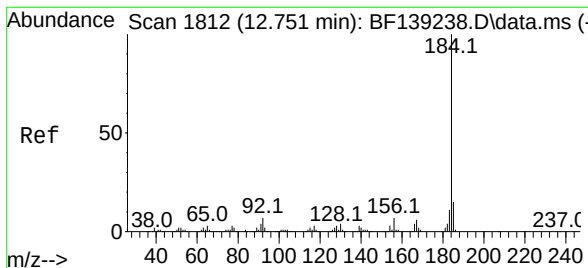
Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Tgt Ion:240	Resp:	214179
Ion Ratio	Lower	Upper
240	100	
120	10.8	8.6 12.8
236	26.3	20.7 31.1





#77

Benzidine

Concen: 3.295 ng

RT: 12.745 min Scan# 1811

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

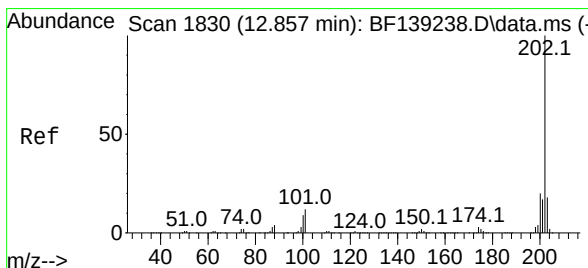
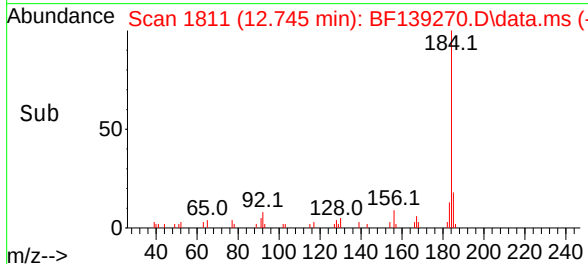
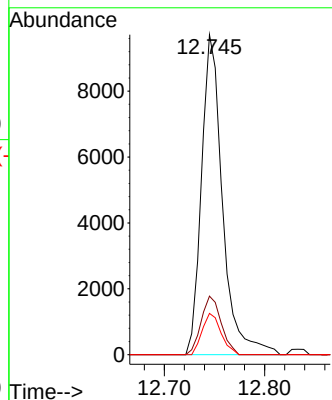
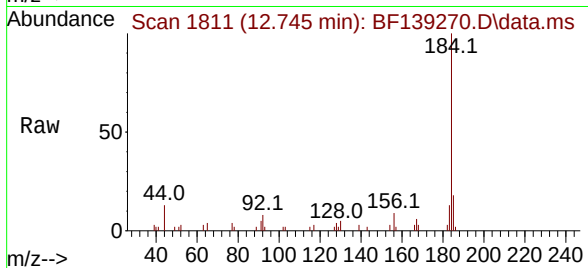
Tgt Ion:184 Resp: 14209

Ion Ratio Lower Upper

184 100

185 18.3 11.9 17.9#

183 12.9 8.8 13.2



#78

Pyrene

Concen: 4.152 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

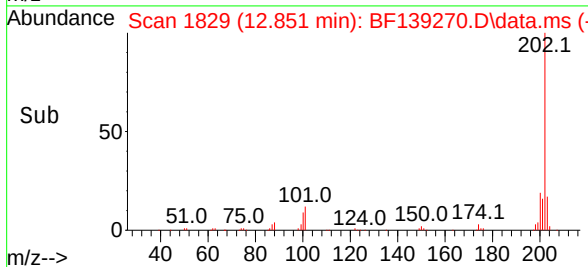
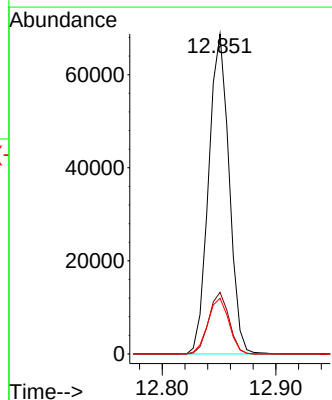
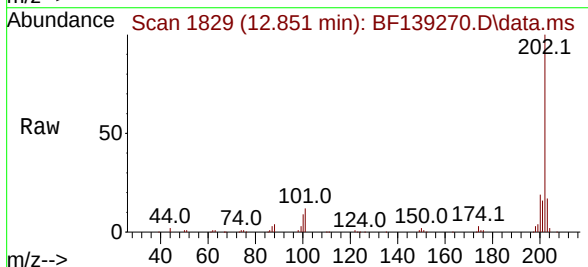
Tgt Ion:202 Resp: 85900

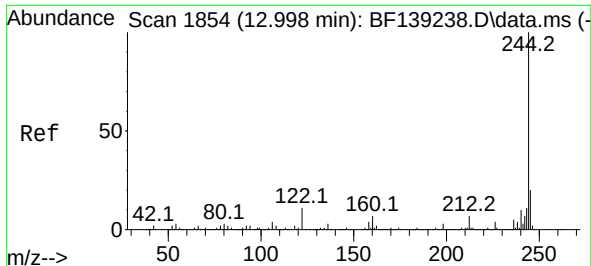
Ion Ratio Lower Upper

202 100

200 19.3 15.8 23.8

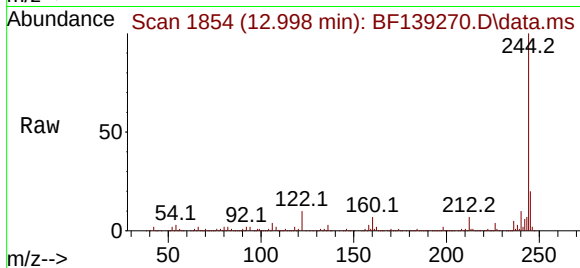
203 17.4 14.1 21.1





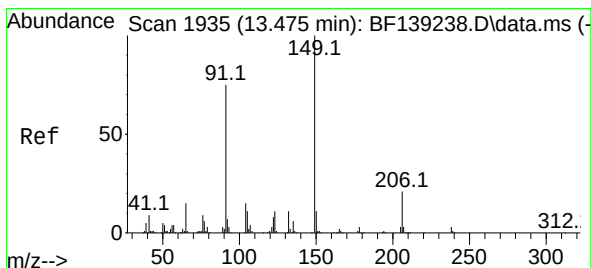
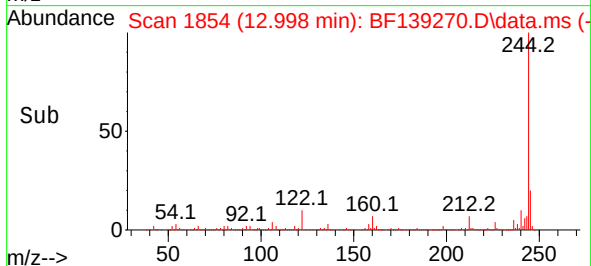
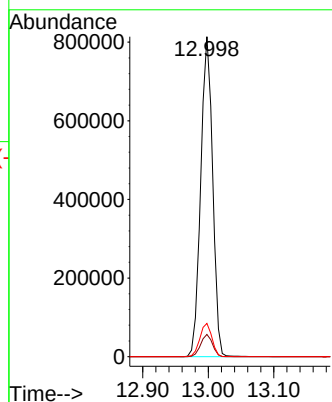
#79
 Terphenyl-d14
 Concen: 77.839 ng
 RT: 12.998 min Scan# 1854
 Delta R.T. -0.000 min
 Lab File: BF139270.D
 Acq: 06 Sep 2024 10:32

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2024



Tgt Ion:244 Resp: 1032553

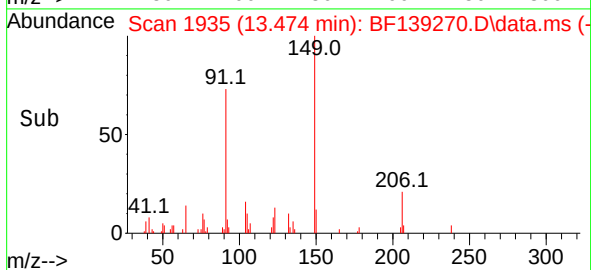
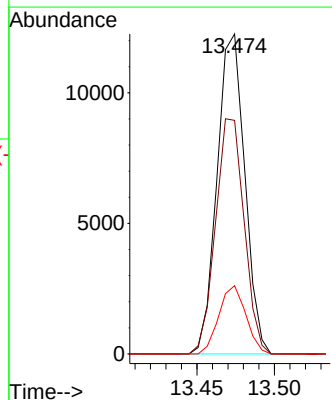
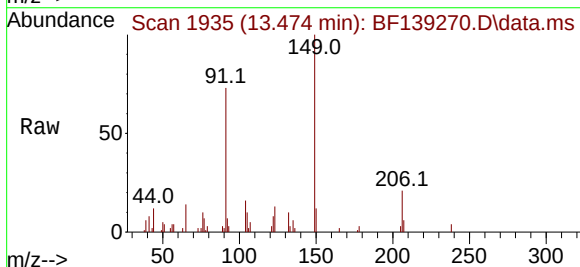
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	10.4	8.7	13.1

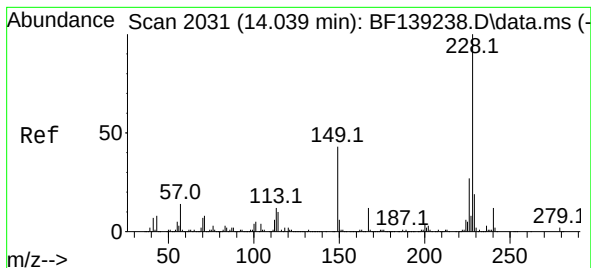


#80
 Butylbenzylphthalate
 Concen: 3.133 ng
 RT: 13.474 min Scan# 1935
 Delta R.T. -0.000 min
 Lab File: BF139270.D
 Acq: 06 Sep 2024 10:32

Tgt Ion:149 Resp: 15262

Ion	Ratio	Lower	Upper
149	100		
91	73.0	60.3	90.5
206	21.4	16.7	25.1





#81

Benzo(a)anthracene

Concen: 4.187 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

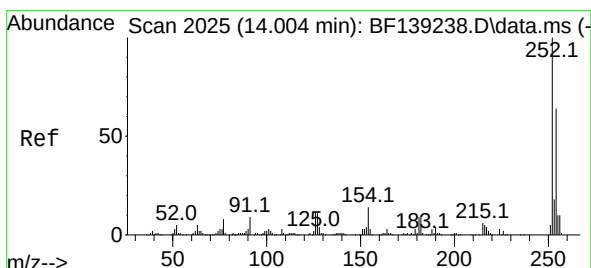
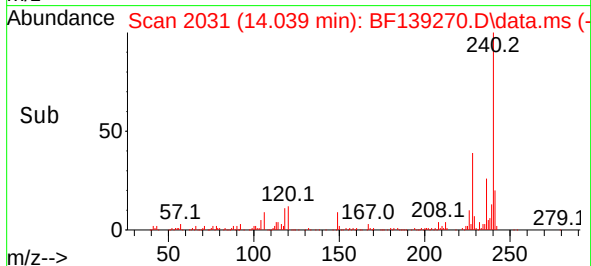
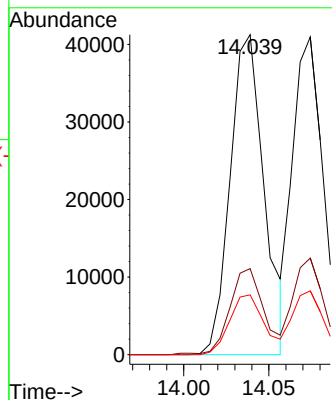
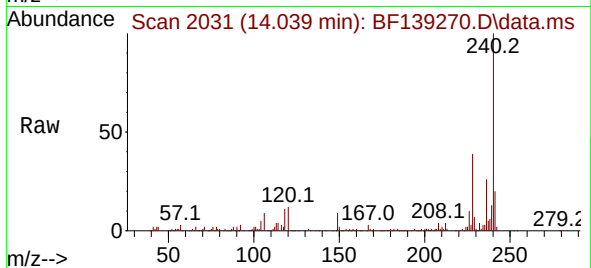
Tgt Ion:228 Resp: 57256

Ion Ratio Lower Upper

228 100

226 26.9 21.5 32.3

229 18.7 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 3.666 ng

RT: 14.004 min Scan# 2025

Delta R.T. -0.000 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

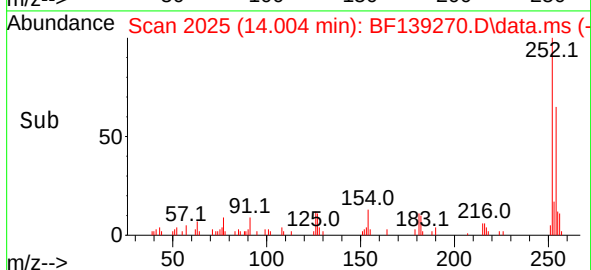
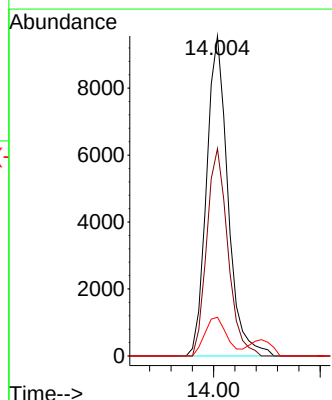
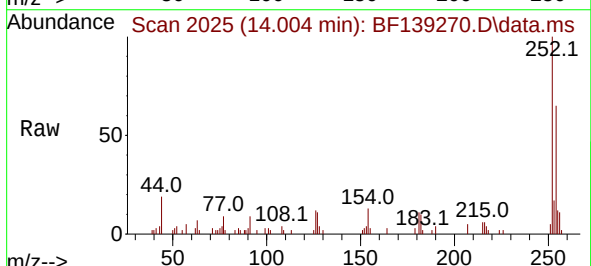
Tgt Ion:252 Resp: 13316

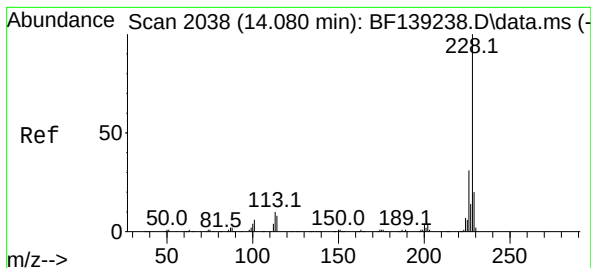
Ion Ratio Lower Upper

252 100

254 64.8 51.5 77.3

126 12.1 9.2 13.8





#83

Chrysene

Concen: 4.034 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

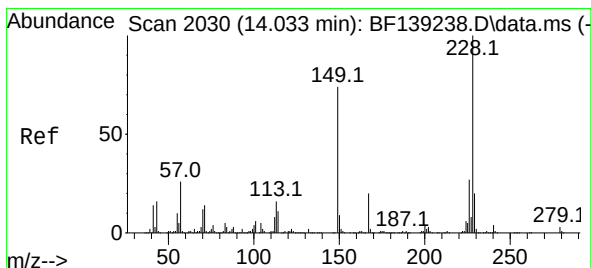
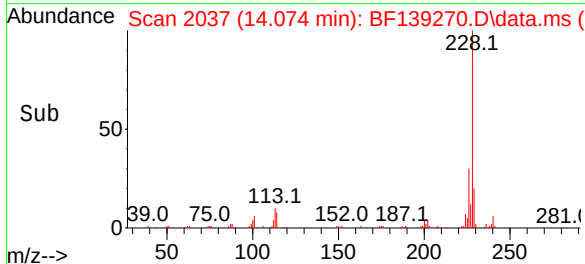
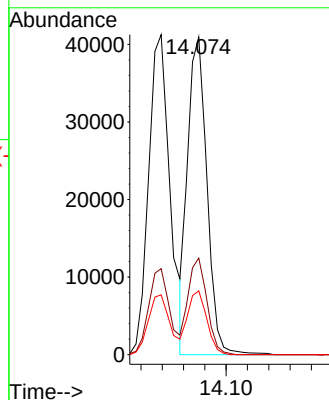
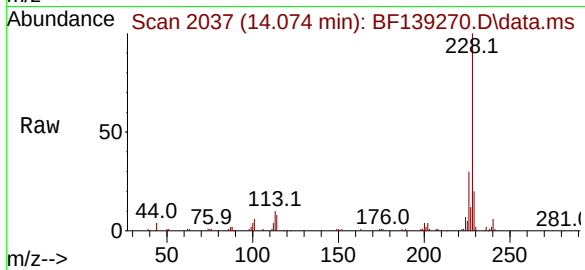
Tgt Ion:228 Resp: 51490

Ion Ratio Lower Upper

228 100

226 30.4 23.8 35.8

229 20.1 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.046 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

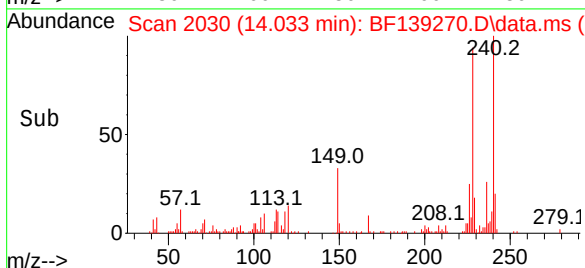
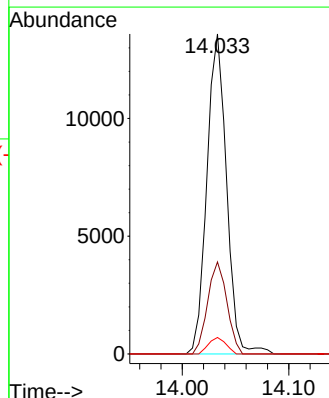
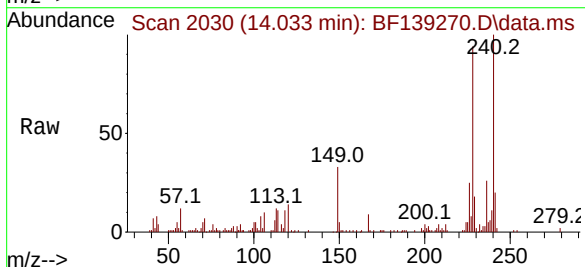
Tgt Ion:149 Resp: 17416

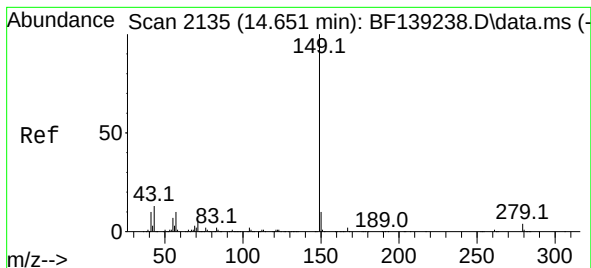
Ion Ratio Lower Upper

149 100

167 28.8 21.8 32.6

279 5.1 3.0 4.6#





#85

Di-n-octyl phthalate

Concen: 2.397 ng

RT: 14.645 min Scan# 2135

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

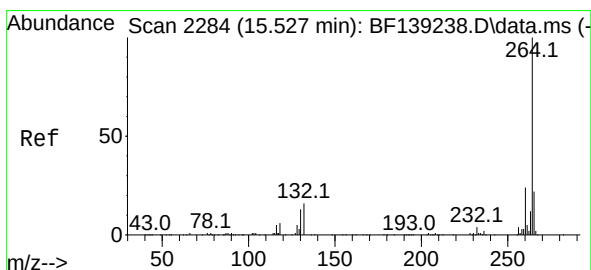
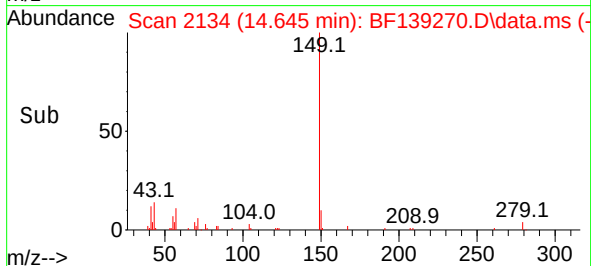
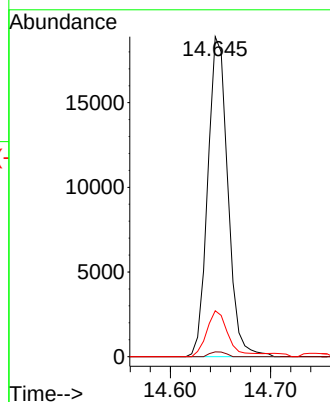
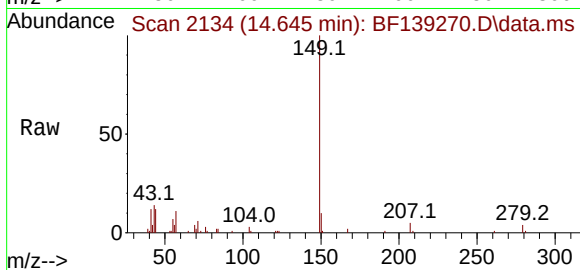
Tgt Ion:149 Resp: 26232

Ion Ratio Lower Upper

149 100

167 1.2 1.3 1.9#

43 15.5 10.9 16.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2283

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

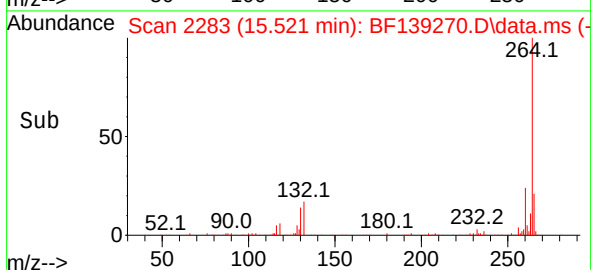
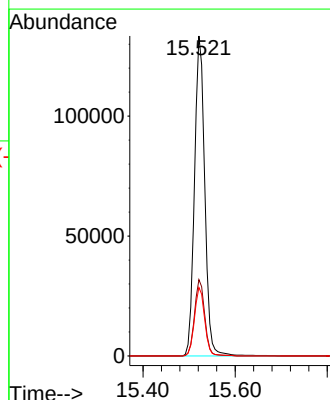
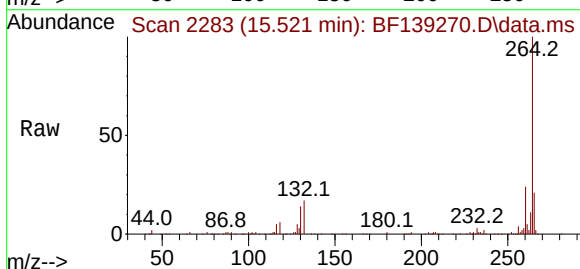
Tgt Ion:264 Resp: 206705

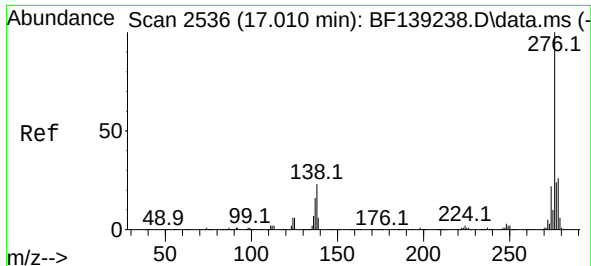
Ion Ratio Lower Upper

264 100

260 23.9 18.8 28.2

265 21.4 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.898 ng

RT: 16.998 min Scan# 2109

Delta R.T. -0.012 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

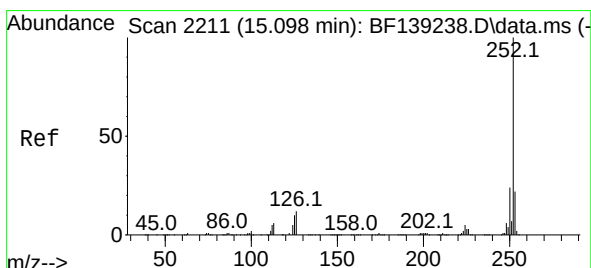
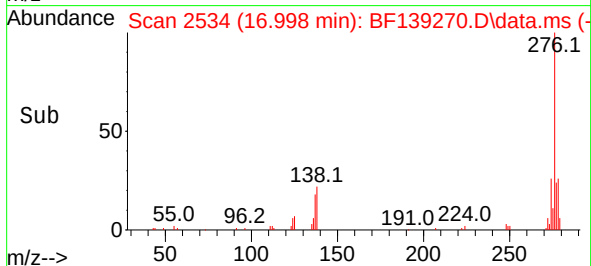
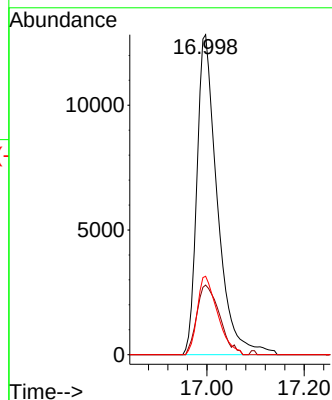
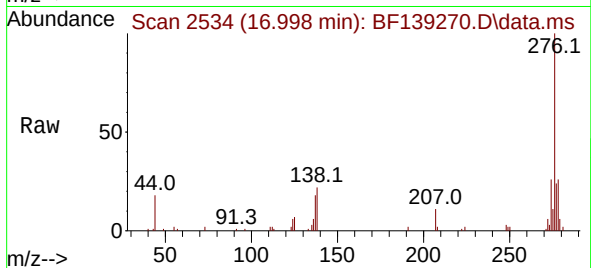
Tgt Ion:276 Resp: 37424

Ion Ratio Lower Upper

276 100

138 24.2 20.4 30.6

277 24.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 3.624 ng

RT: 15.086 min Scan# 2209

Delta R.T. -0.012 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

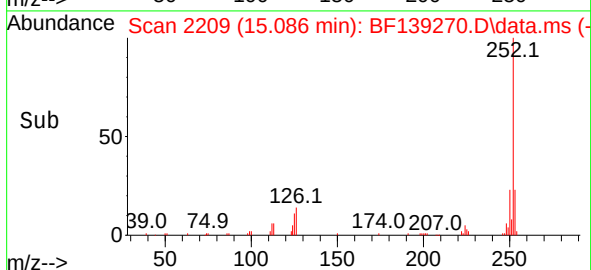
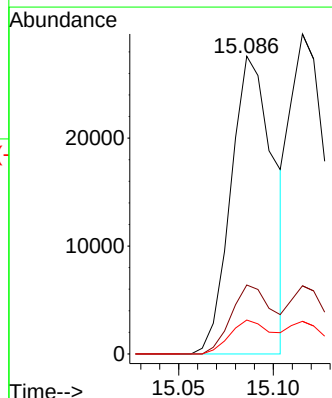
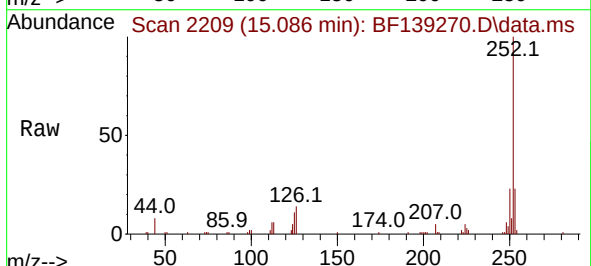
Tgt Ion:252 Resp: 43136

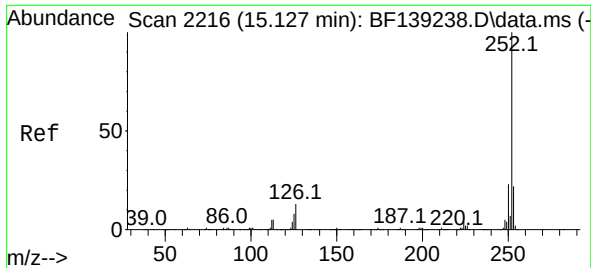
Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 11.4 7.6 11.4





#89

Benzo(k)fluoranthene

Concen: 3.874 ng

RT: 15.115 min Scan# 2214

Delta R.T. -0.012 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

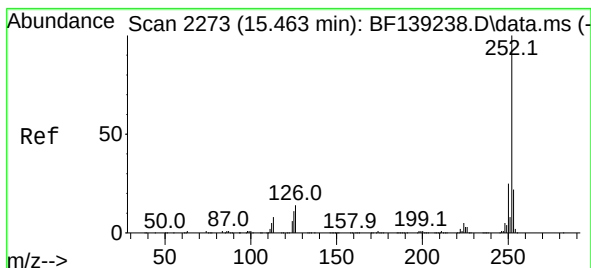
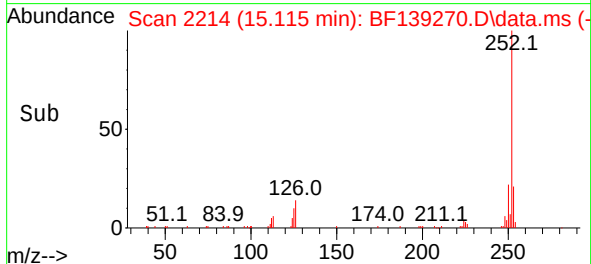
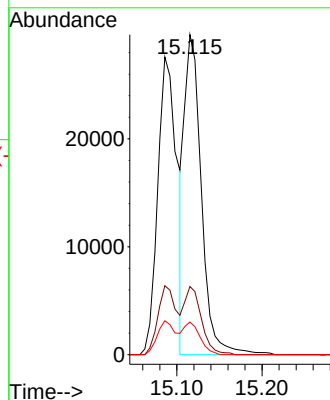
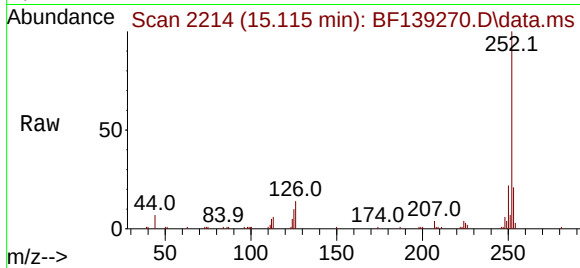
Tgt Ion:252 Resp: 41348

Ion Ratio Lower Upper

252 100

253 21.3 17.6 26.4

125 10.2 7.2 10.8



#90

Benzo(a)pyrene

Concen: 3.840 ng

RT: 15.457 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF139270.D

Acq: 06 Sep 2024 10:32

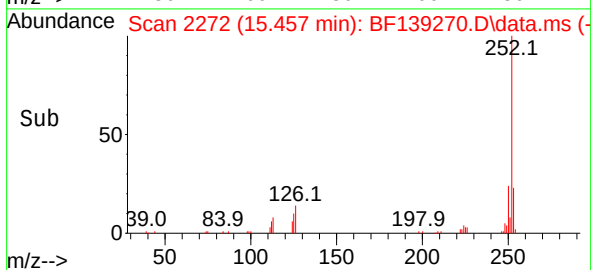
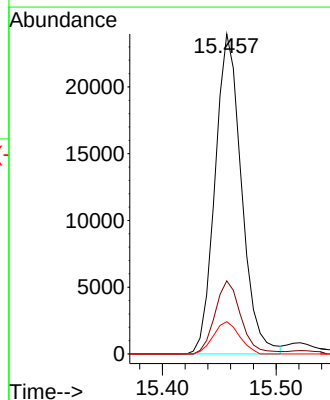
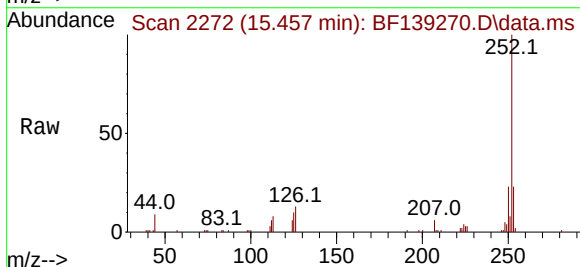
Tgt Ion:252 Resp: 38820

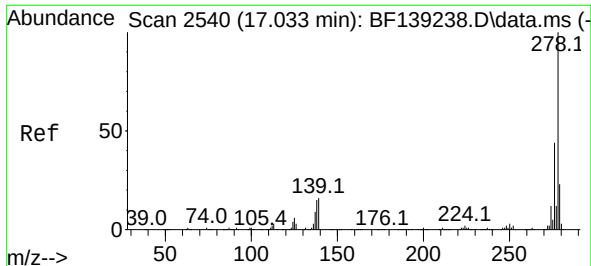
Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 10.1 8.6 13.0

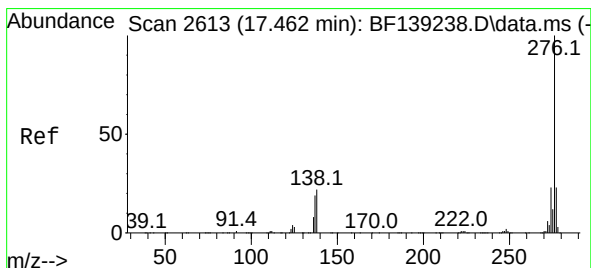
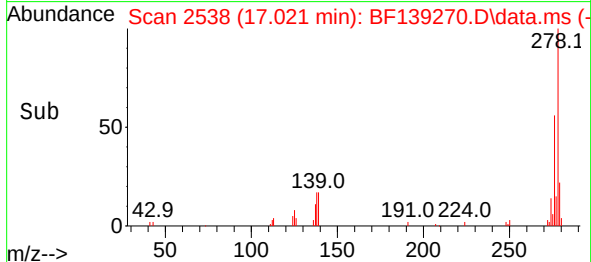
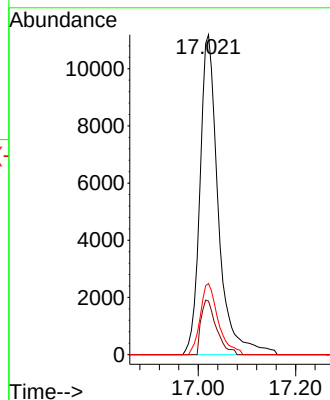
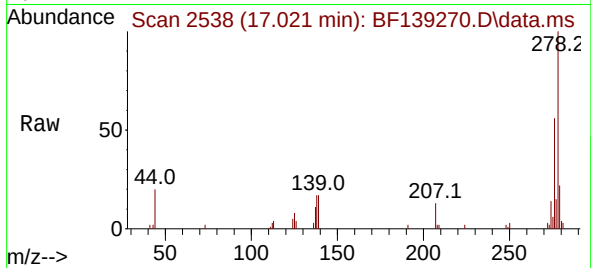




#91
Dibenzo(a,h)anthracene
Concen: 2.757 ng
RT: 17.021 min Scan# 2409
Delta R.T. -0.012 min
Lab File: BF139270.D
Acq: 06 Sep 2024 10:32

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:278 Resp: 29343
Ion Ratio Lower Upper
278 100
139 16.8 12.6 19.0
279 22.2 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 2.677 ng
RT: 17.439 min Scan# 2609
Delta R.T. -0.024 min
Lab File: BF139270.D
Acq: 06 Sep 2024 10:32

Tgt Ion:276 Resp: 29409
Ion Ratio Lower Upper
276 100
277 25.6 18.6 27.8
138 22.8 17.4 26.0

