

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090624\
 Data File : BF139271.D
 Acq On : 06 Sep 2024 11:01
 Operator : RC/JU
 Sample : P2403-03
 Misc : MDL-MDL-SOIL-08 ng
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Sep 06 11:24:49 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	6.887	152	113951	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	414779	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	223419	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	402342	20.000	ng	0.00
76) Chrysene-d12	14.051	240	201793	20.000	ng	0.00
86) Perylene-d12	15.521	264	189914	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	894907	131.378	ng	0.00
7) Phenol-d6	6.516	99	1186919	130.524	ng	0.00
23) Nitrobenzene-d5	7.451	82	769810	96.552	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	257288	133.361	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1350678	93.321	ng	0.00
79) Terphenyl-d14	12.998	244	1104399	88.365	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.675	88	28137	8.870	ng	96
3) Pyridine	3.457	79	63432	8.284	ng	99
4) n-Nitrosodimethylamine	3.369	42	44077	8.864	ng	99
6) Aniline	6.551	93	90794	10.858	ng	98
8) 2-Chlorophenol	6.675	128	66639	9.440	ng	98
9) Benzaldehyde	6.439	77	59644	10.836	ng	99
10) Phenol	6.528	94	90485	9.434	ng	87
11) bis(2-Chloroethyl)ether	6.622	93	64596	9.400	ng	99
12) 1,3-Dichlorobenzene	6.828	146	73863	9.244	ng	98
13) 1,4-Dichlorobenzene	6.904	146	73997	9.252	ng	99
14) 1,2-Dichlorobenzene	7.057	146	68834	9.228	ng	98
15) Benzyl Alcohol	7.022	79	70040	10.561	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.157	45	127107	9.717	ng	100
17) 2-Methylphenol	7.128	107	53172	9.221	ng	100
18) Hexachloroethane	7.398	117	25285	8.852	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	50093	9.565	ng	99
20) 3+4-Methylphenols	7.286	107	68139	9.376	ng	# 82
22) Acetophenone	7.292	105	96006	9.716	ng	95
24) Nitrobenzene	7.469	77	76198	9.004	ng	98
25) Isophorone	7.698	82	127724	9.370	ng	98
26) 2-Nitrophenol	7.781	139	28846	8.679	ng	97
27) 2,4-Dimethylphenol	7.816	122	40525	8.549	ng	97
28) bis(2-Chloroethoxy)met...	7.916	93	76517	9.422	ng	99
29) 2,4-Dichlorophenol	8.022	162	52679	9.282	ng	98
30) 1,2,4-Trichlorobenzene	8.110	180	60819	9.382	ng	98
31) Naphthalene	8.192	128	198025	9.428	ng	99
32) Benzoic acid	7.869	122	22031	5.102	ng	95
33) 4-Chloroaniline	8.239	127	73047	10.044	ng	96
34) Hexachlorobutadiene	8.310	225	36633	8.919	ng	98
35) Caprolactam	8.569	113	14974	8.522	ng	97
36) 4-Chloro-3-methylphenol	8.710	107	56777	9.180	ng	99
37) 2-Methylnaphthalene	8.880	142	124397	9.466	ng	97
38) 1-Methylnaphthalene	8.980	142	116375	9.004	ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	61102	9.666	ng	99
41) Hexachlorocyclopentadiene	9.033	237	19105	9.405	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	36269	8.769	ng	99

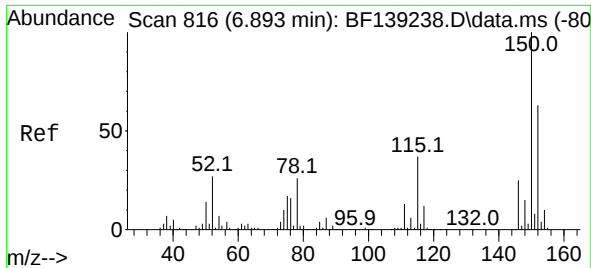
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090624\
 Data File : BF139271.D
 Acq On : 06 Sep 2024 11:01
 Operator : RC/JU
 Sample : P2403-03
 Misc : MDL-MDL-SOIL-08 ng
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Sep 06 11:24:49 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)
44) 2,4,5-Trichlorophenol	9.192	196	38617	8.910	ng	98
46) 1,1'-Biphenyl	9.345	154	160983	9.725	ng	99
47) 2-Chloronaphthalene	9.369	162	117521	9.402	ng	98
48) 2-Nitroaniline	9.463	65	37822	8.785	ng	99
49) Acenaphthylene	9.786	152	191507	10.173	ng	100
50) Dimethylphthalate	9.639	163	129034	9.529	ng	100
51) 2,6-Dinitrotoluene	9.704	165	27624	8.992	ng	95
52) Acenaphthene	9.957	154	111274	8.912	ng	99
53) 3-Nitroaniline	9.869	138	29412	8.986	ng	94
54) 2,4-Dinitrophenol	9.975	184	4836	10.248	ng	# 42
55) Dibenzofuran	10.127	168	176092	9.837	ng	98
56) 4-Nitrophenol	10.022	139	18325	7.585	ng	92
57) 2,4-Dinitrotoluene	10.104	165	33266	8.508	ng	# 97
58) Fluorene	10.469	166	134157	9.666	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	30400	8.911	ng	99
60) Diethylphthalate	10.339	149	122333	9.180	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	65458	9.780	ng	98
62) 4-Nitroaniline	10.475	138	25133	8.067	ng	98
63) Azobenzene	10.627	77	129276	9.204	ng	96
65) 4,6-Dinitro-2-methylph...	10.510	198	9507	5.114	ng	95
66) n-Nitrosodiphenylamine	10.580	169	111118	9.488	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	36257	9.288	ng	96
68) Hexachlorobenzene	11.016	284	41177	9.214	ng	100
69) Atrazine	11.104	200	31023	11.481	ng	99
70) Pentachlorophenol	11.210	266	17002	6.586	ng	98
71) Phenanthrene	11.433	178	184167	9.798	ng	99
72) Anthracene	11.486	178	181199	9.869	ng	99
73) Carbazole	11.639	167	160155	9.333	ng	99
74) Di-n-butylphthalate	11.974	149	163643	9.313	ng	99
75) Fluoranthene	12.621	202	177095	9.398	ng	99
77) Benzidine	12.745	184	36876	9.076	ng	95
78) Pyrene	12.851	202	186082	9.546	ng	99
80) Butylbenzylphthalate	13.474	149	38177	8.319	ng	98
81) Benzo(a)anthracene	14.039	228	120491	9.351	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	33236	9.713	ng	97
83) Chrysene	14.074	228	110023	9.149	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	41677	7.738	ng	99
85) Di-n-octyl phthalate	14.645	149	68637	6.656	ng	99
87) Indeno(1,2,3-cd)pyrene	16.998	276	89224	7.520	ng	98
88) Benzo(b)fluoranthene	15.092	252	96083	8.785	ng	97
89) Benzo(k)fluoranthene	15.115	252	94792	9.666	ng	99
90) Benzo(a)pyrene	15.457	252	87293	9.399	ng	98
91) Dibenzo(a,h)anthracene	17.021	278	70348	7.195	ng	99
92) Benzo(g,h,i)perylene	17.445	276	69430	6.880	ng	99

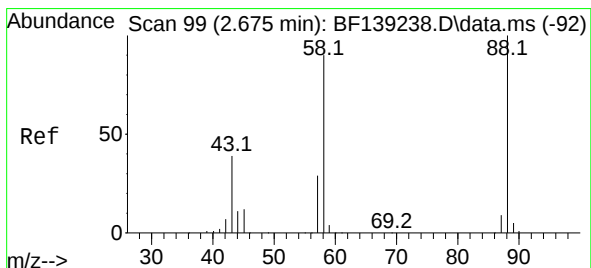
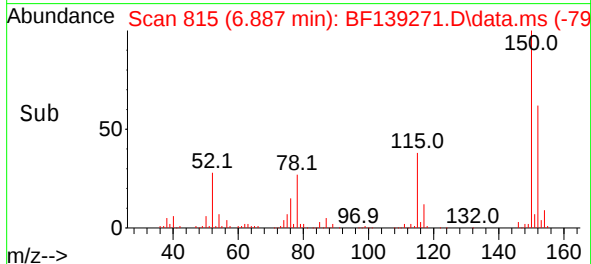
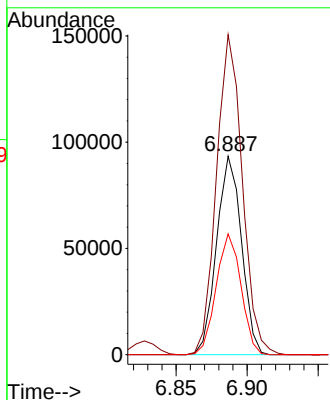
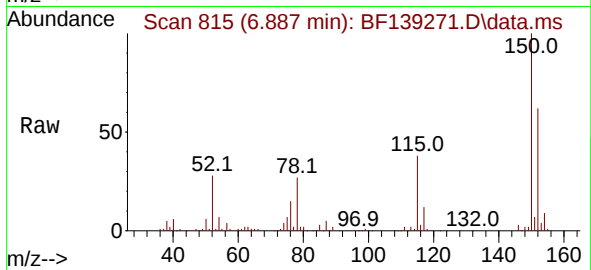
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

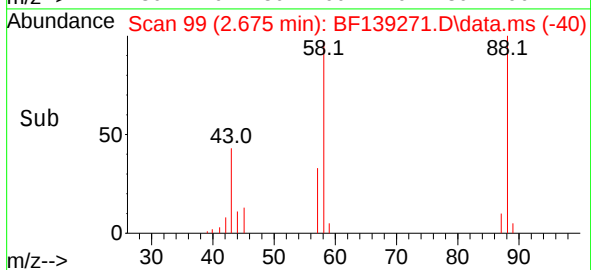
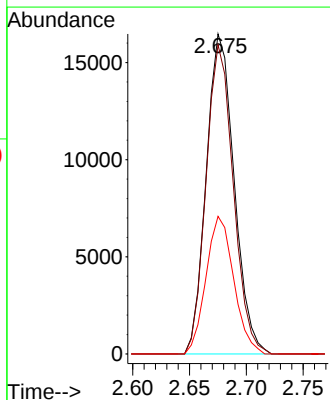
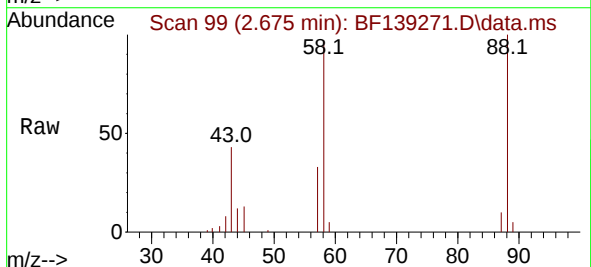
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

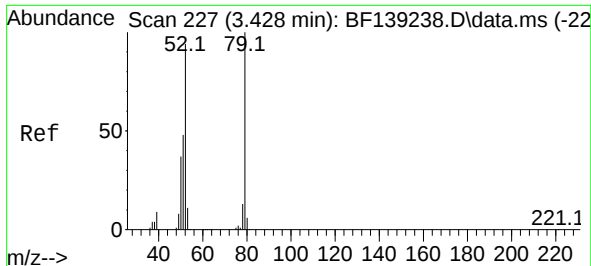
Tgt Ion:152 Resp: 113951
Ion Ratio Lower Upper
152 100
150 161.3 127.0 190.4
115 60.9 46.9 70.3



#2
1,4-Dioxane
Concen: 8.870 ng
RT: 2.675 min Scan# 99
Delta R.T. -0.000 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

Tgt Ion: 88 Resp: 28137
Ion Ratio Lower Upper
88 100
58 94.2 72.5 108.7
43 42.7 31.4 47.2





#3

Pyridine

Concen: 8.284 ng

RT: 3.457 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

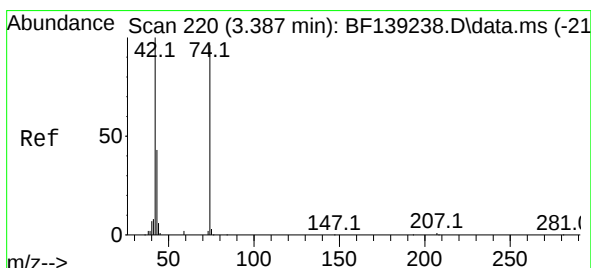
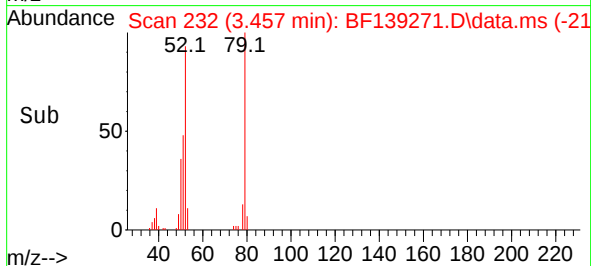
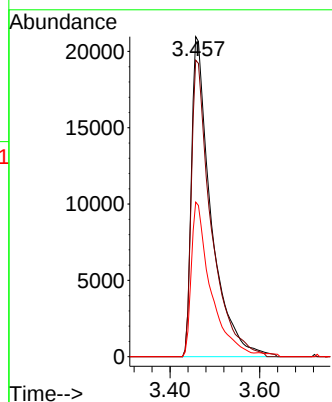
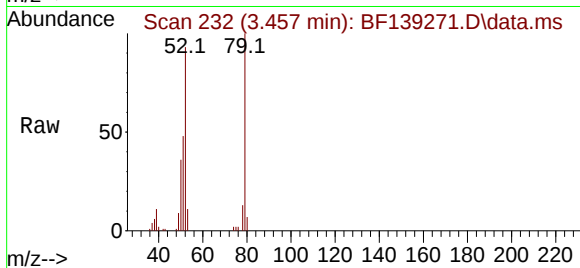
Tgt Ion: 79 Resp: 63432

Ion Ratio Lower Upper

79 100

52 92.6 75.3 112.9

51 48.3 38.2 57.2



#4

n-Nitrosodimethylamine

Concen: 8.864 ng

RT: 3.369 min Scan# 217

Delta R.T. -0.018 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

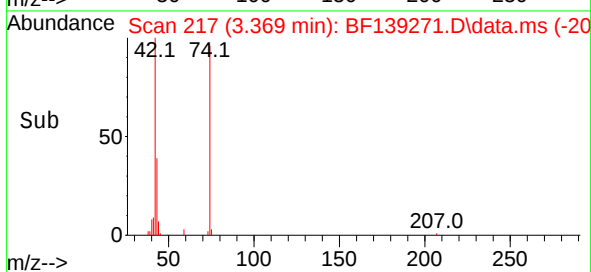
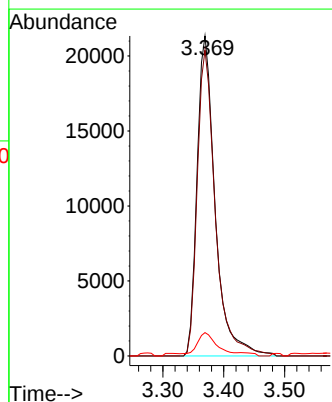
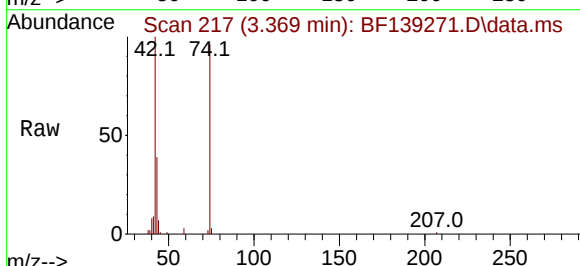
Tgt Ion: 42 Resp: 44077

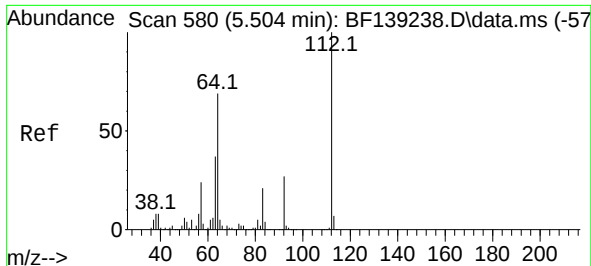
Ion Ratio Lower Upper

42 100

74 95.6 77.2 115.8

44 7.3 5.1 7.7

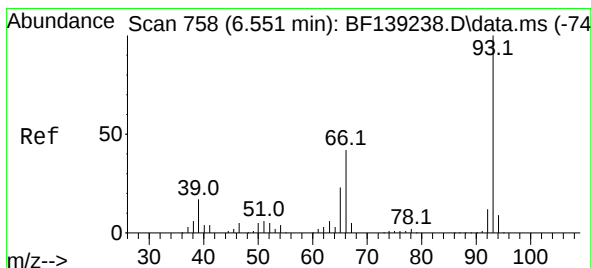
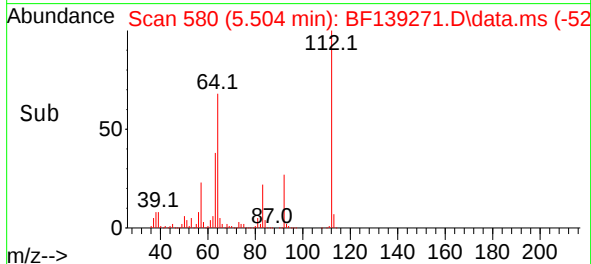
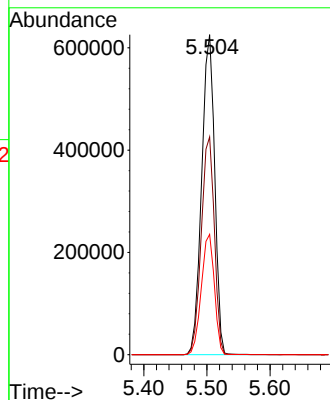
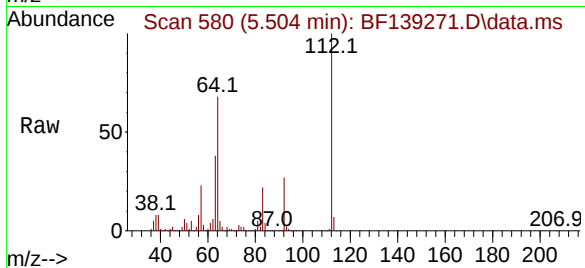




#5
2-Fluorophenol
Concen: 131.378 ng
RT: 5.504 min Scan# 580
Delta R.T. -0.000 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

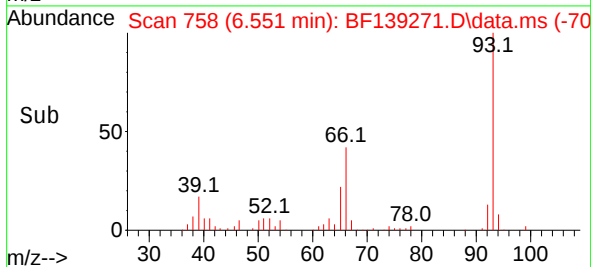
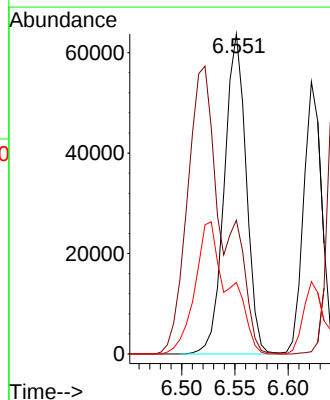
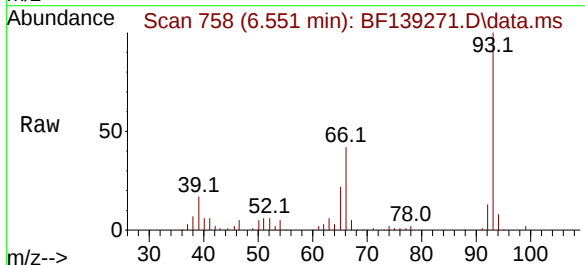
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

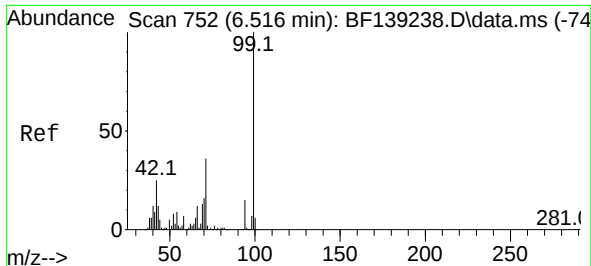
Tgt Ion:112 Resp: 894907
Ion Ratio Lower Upper
112 100
64 68.1 55.0 82.4
63 37.6 29.9 44.9



#6
Aniline
Concen: 10.858 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.000 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

Tgt Ion: 93 Resp: 90794
Ion Ratio Lower Upper
93 100
66 41.8 34.4 51.6
65 22.4 18.2 27.4

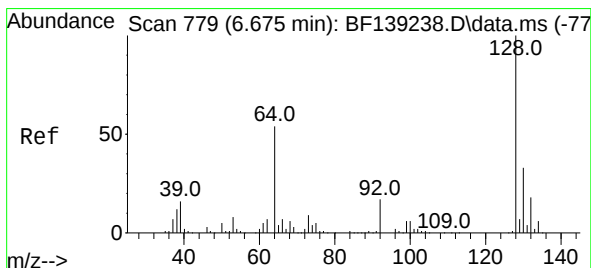
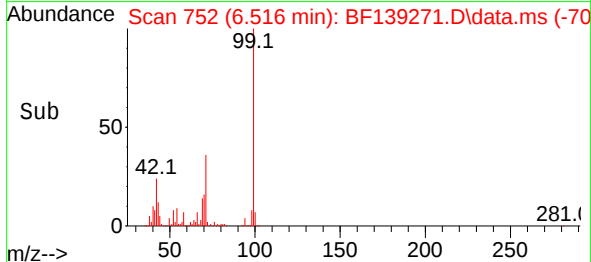
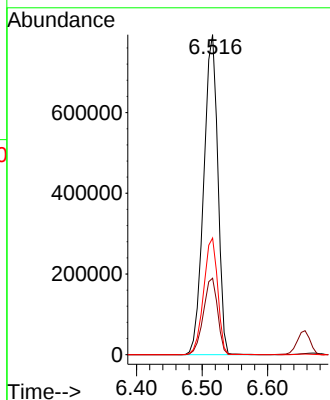
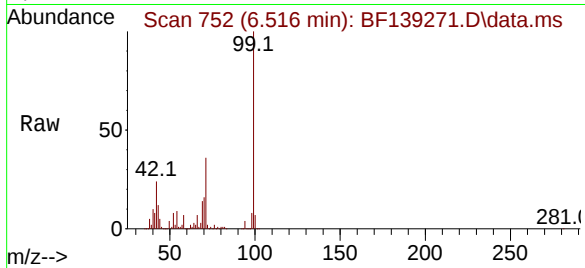




#7
Phenol-d6
Concen: 130.524 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

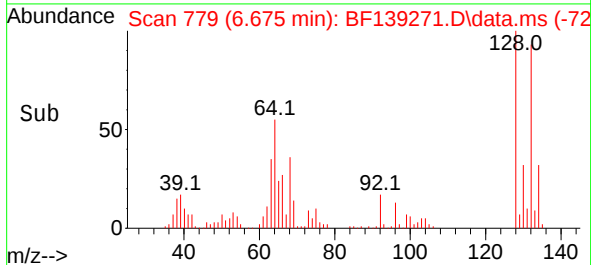
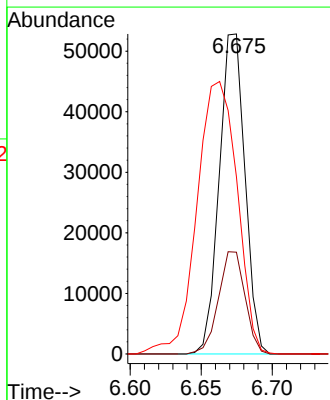
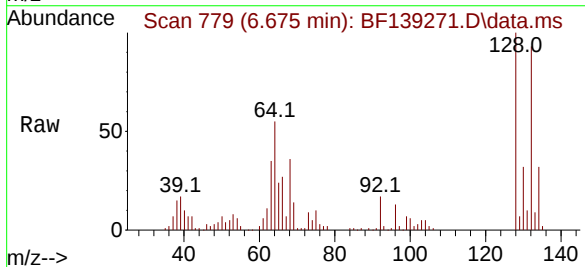
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

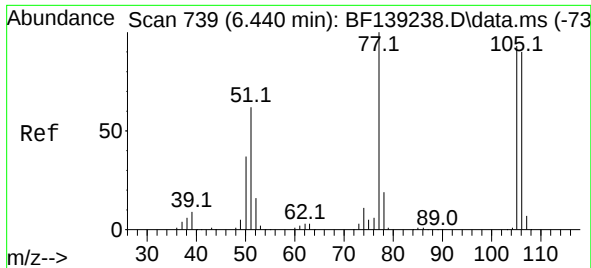
Tgt Ion: 99 Resp: 1186919
Ion Ratio Lower Upper
99 100
42 23.9 19.8 29.6
71 36.5 28.8 43.2



#8
2-Chlorophenol
Concen: 9.440 ng
RT: 6.675 min Scan# 779
Delta R.T. -0.000 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

Tgt Ion: 128 Resp: 66639
Ion Ratio Lower Upper
128 100
130 31.8 12.7 52.7
64 55.4 36.6 76.6





#9

Benzaldehyde

Concen: 10.836 ng

RT: 6.439 min Scan# 739

Delta R.T. -0.001 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

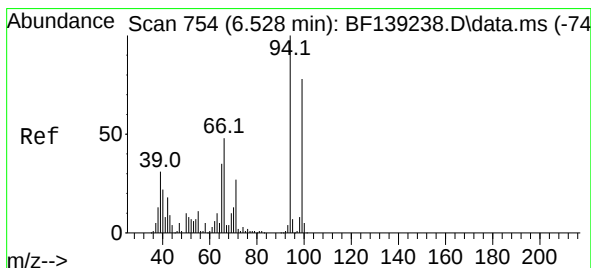
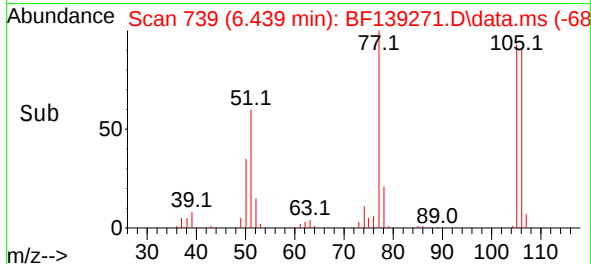
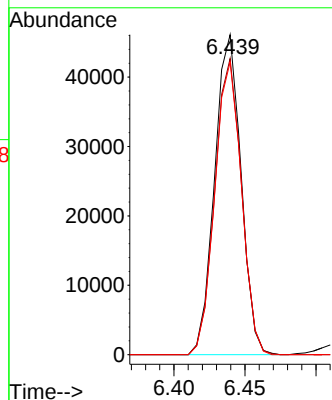
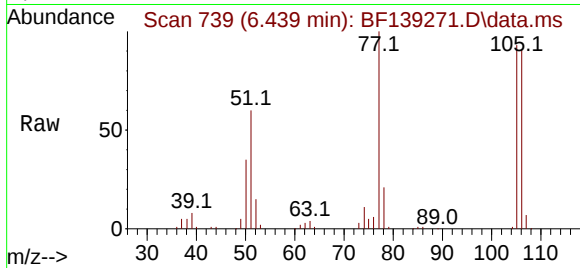
Tgt Ion: 77 Resp: 59644

Ion Ratio Lower Upper

77 100

105 92.6 72.9 112.9

106 91.5 69.6 109.6



#10

Phenol

Concen: 9.434 ng

RT: 6.528 min Scan# 754

Delta R.T. -0.000 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

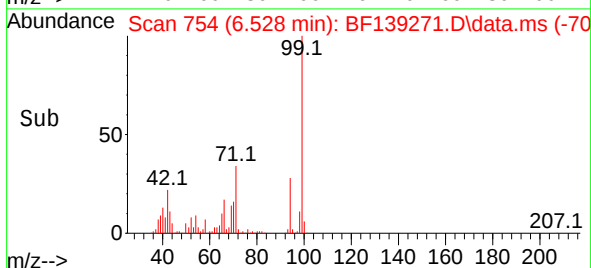
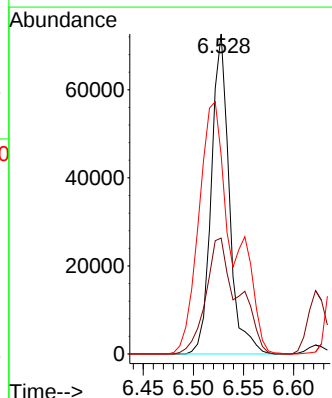
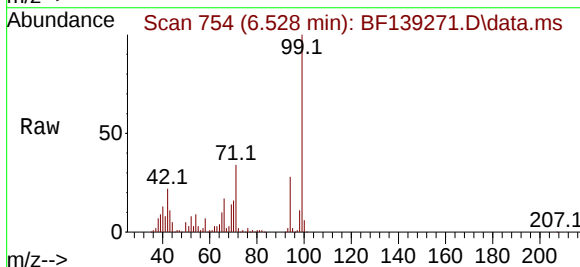
Tgt Ion: 94 Resp: 90485

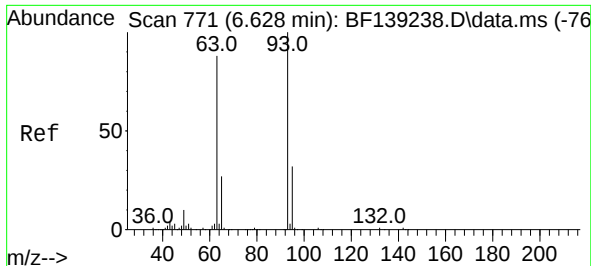
Ion Ratio Lower Upper

94 100

65 36.2 14.7 54.7

66 62.1 28.5 68.5

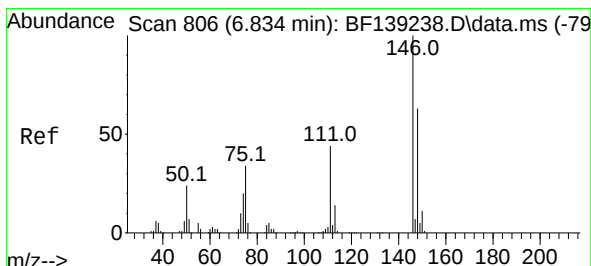
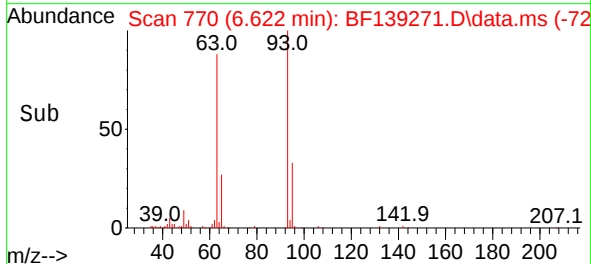
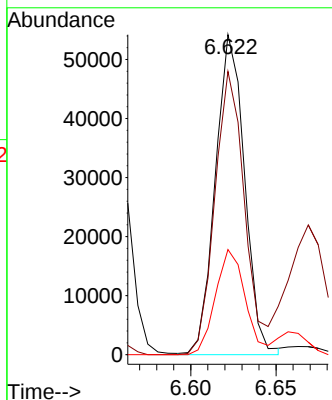
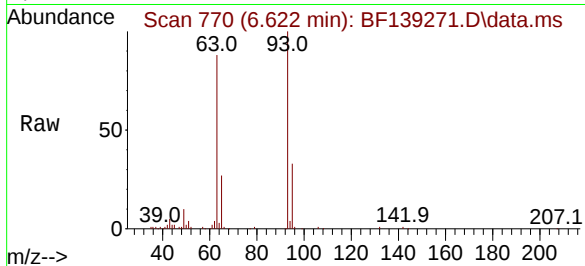




#11
bis(2-Chloroethyl)ether
Concen: 9.400 ng
RT: 6.622 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

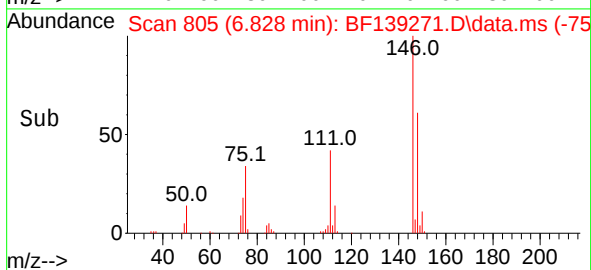
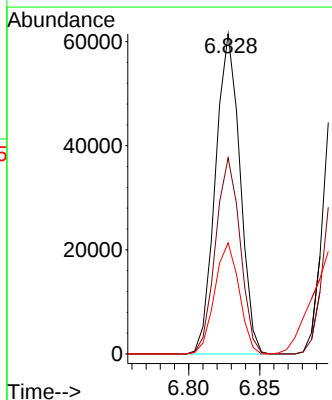
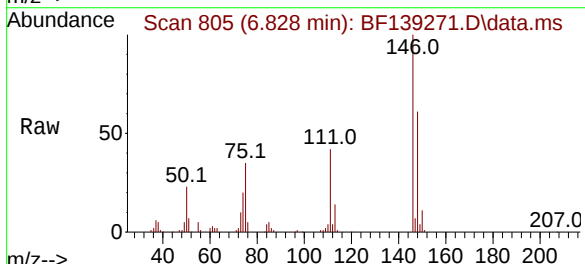
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

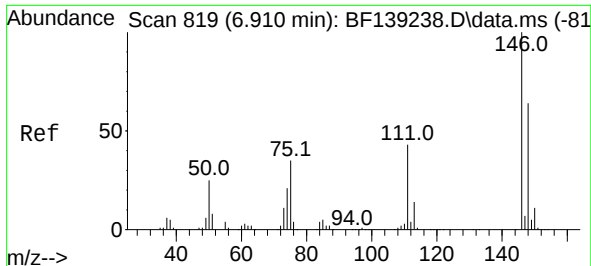
Tgt Ion: 93 Resp: 64596
Ion Ratio Lower Upper
93 100
63 88.5 67.1 107.1
95 32.8 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 9.244 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

Tgt Ion:146 Resp: 73863
Ion Ratio Lower Upper
146 100
148 61.3 50.8 76.2
75 34.7 27.3 40.9





#13

1,4-Dichlorobenzene

Concen: 9.252 ng

RT: 6.904 min Scan# 819

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

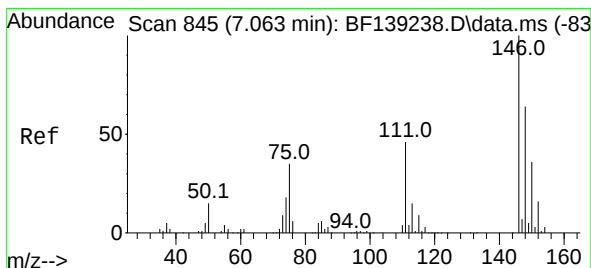
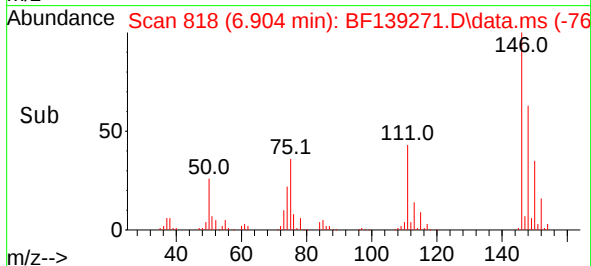
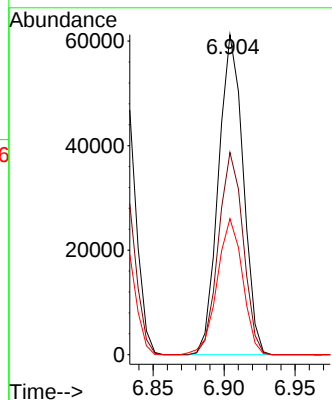
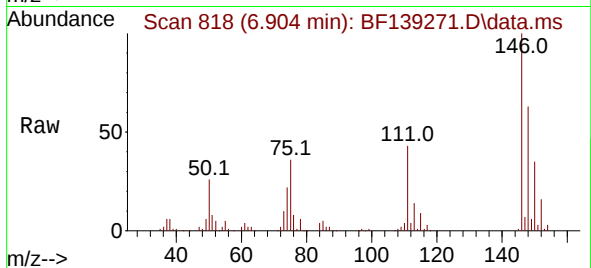
Tgt Ion:146 Resp: 73997

Ion Ratio Lower Upper

146 100

148 63.2 51.2 76.8

111 42.5 34.6 51.8



#14

1,2-Dichlorobenzene

Concen: 9.228 ng

RT: 7.057 min Scan# 844

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

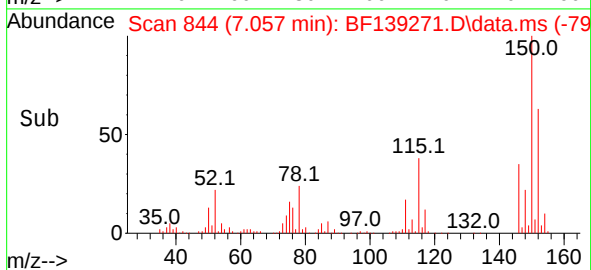
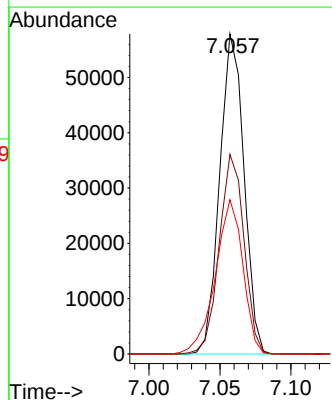
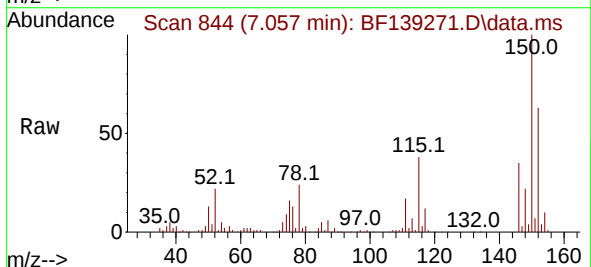
Tgt Ion:146 Resp: 68834

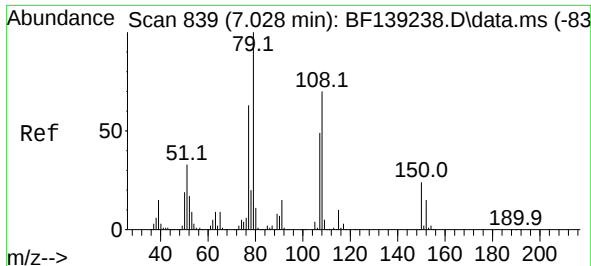
Ion Ratio Lower Upper

146 100

148 62.4 50.9 76.3

111 48.2 36.6 55.0

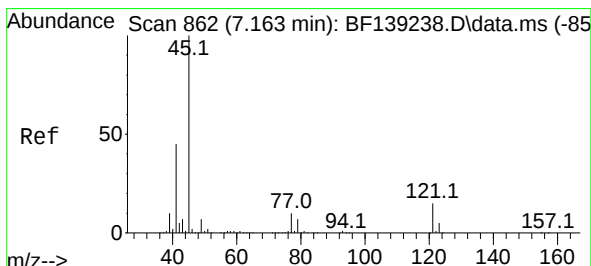
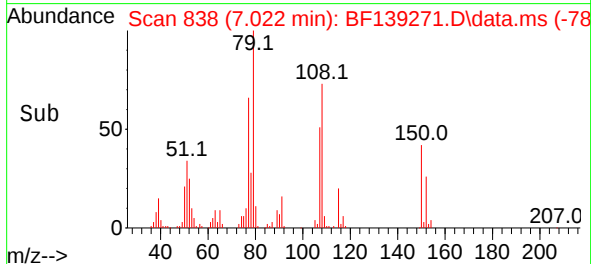
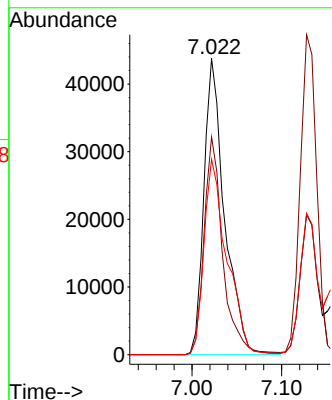
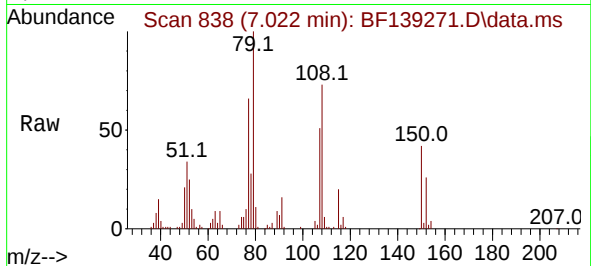




#15
Benzyl Alcohol
Concen: 10.561 ng
RT: 7.022 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

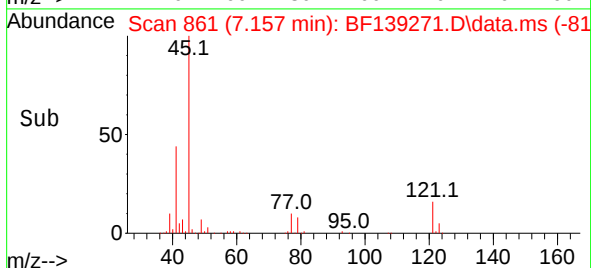
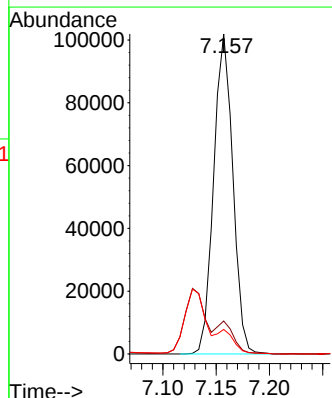
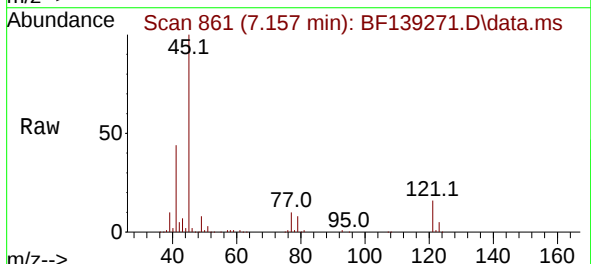
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

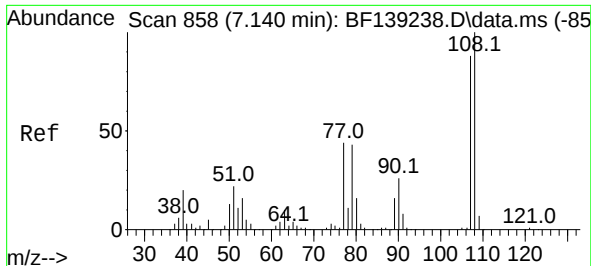
Tgt Ion: 79 Resp: 70040
Ion Ratio Lower Upper
79 100
108 73.5 56.1 84.1
77 66.0 50.6 76.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.717 ng
RT: 7.157 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

Tgt Ion: 45 Resp: 127107
Ion Ratio Lower Upper
45 100
77 10.3 0.0 30.0
79 7.6 0.0 27.6

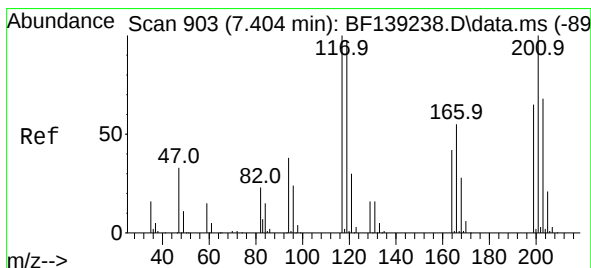
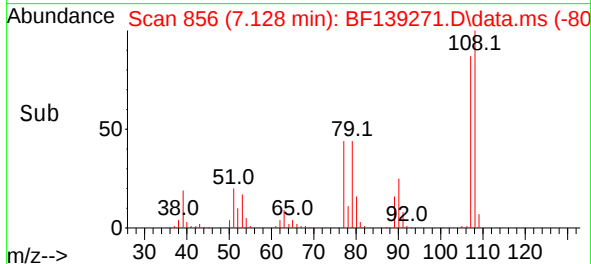
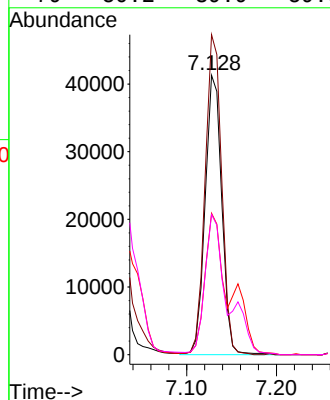
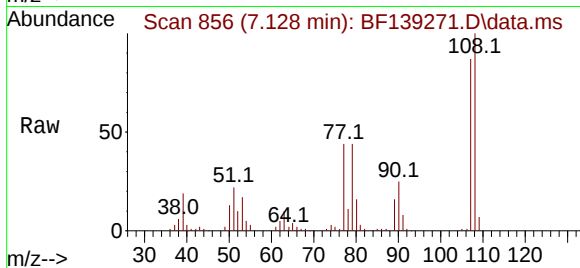




#17
2-Methylphenol
Concen: 9.221 ng
RT: 7.128 min Scan# 858
Delta R.T. -0.012 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

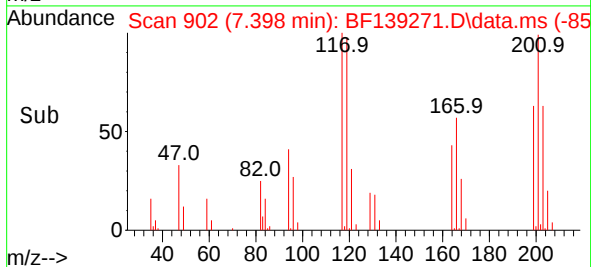
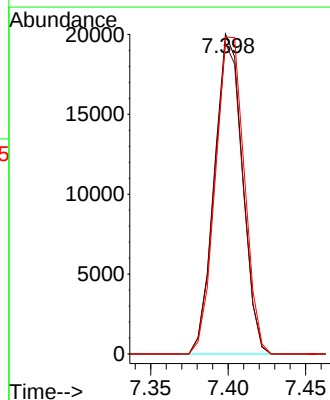
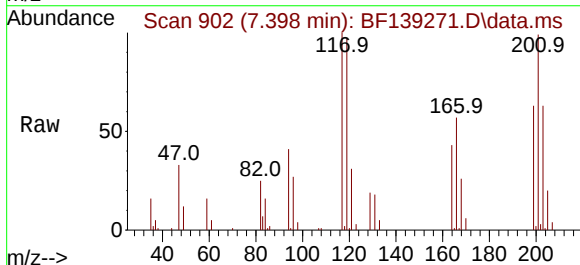
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

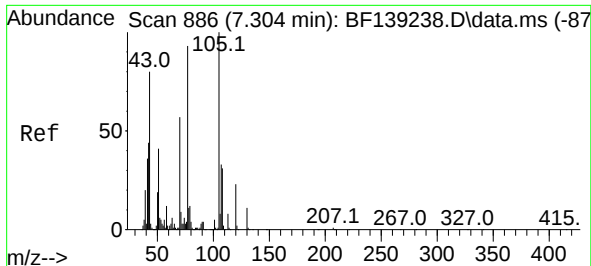
Tgt Ion:	107	Resp:	53172
Ion Ratio	Lower	Upper	
107	100		
108	114.5	91.4	137.2
77	50.6	40.1	60.1
79	50.2	39.9	59.9



#18
Hexachloroethane
Concen: 8.852 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

Tgt Ion:	117	Resp:	25285
Ion Ratio	Lower	Upper	
117	100		
119	97.2	77.4	116.2
201	99.0	80.0	120.0





#19

n-Nitroso-di-n-propylamine

Concen: 9.565 ng

RT: 7.292 min Scan# 886

Delta R.T. -0.012 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion: 70 Resp: 50093

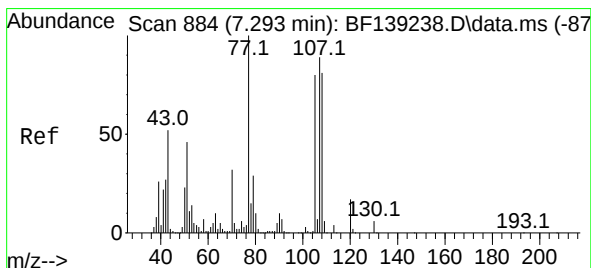
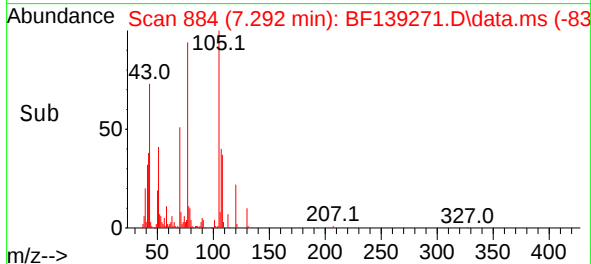
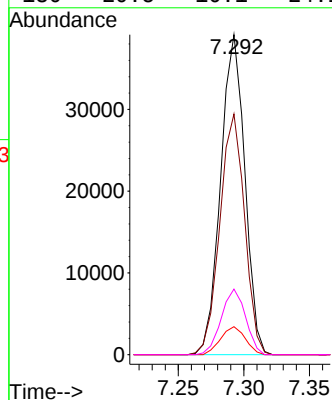
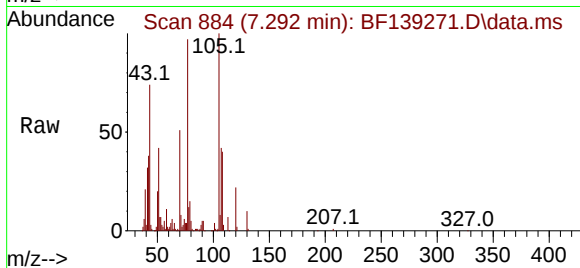
Ion Ratio Lower Upper

70 100

42 75.2 61.0 91.6

101 8.7 7.2 10.8

130 20.5 16.1 24.1



#20

3+4-Methylphenols

Concen: 9.376 ng

RT: 7.286 min Scan# 883

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Tgt Ion:107 Resp: 68139

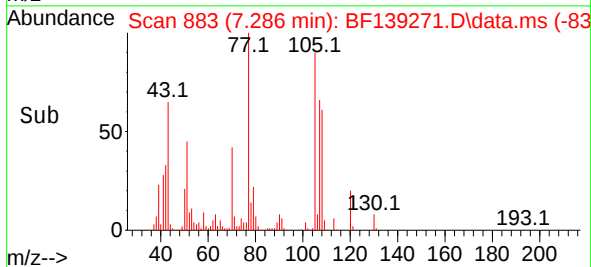
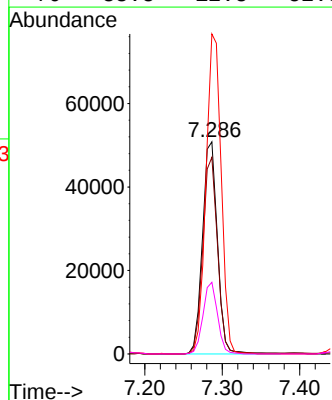
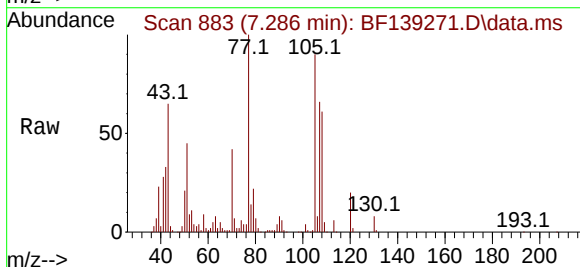
Ion Ratio Lower Upper

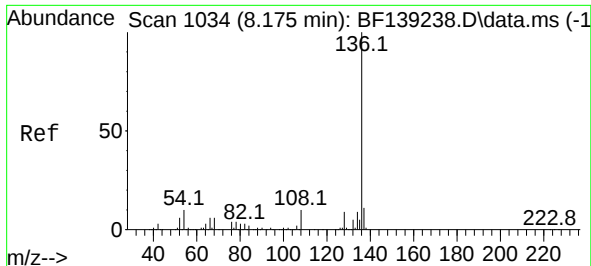
107 100

108 92.7 70.4 110.4

77 150.9 92.2 132.2#

79 33.8 12.8 52.8

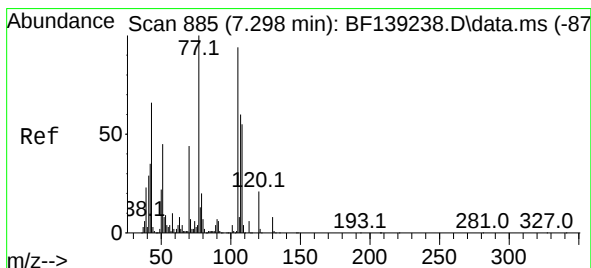
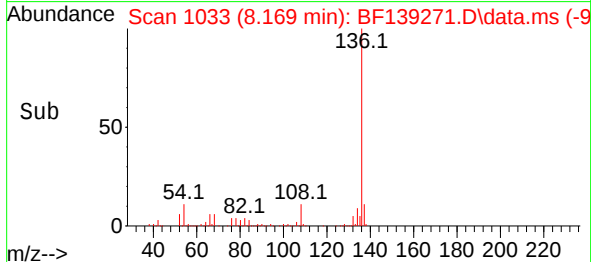
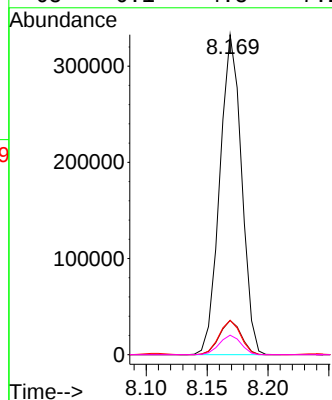
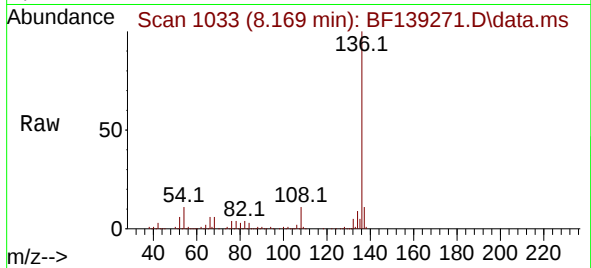




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

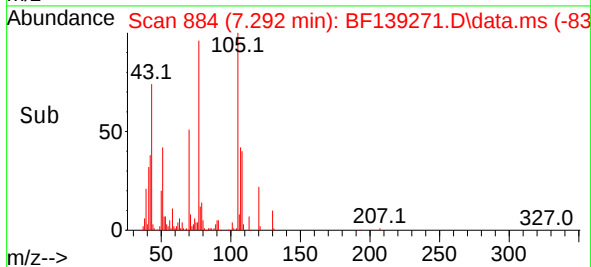
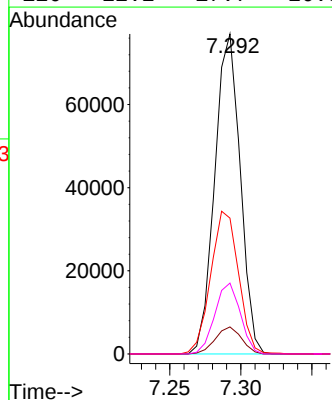
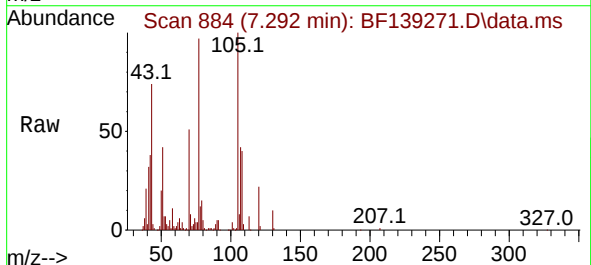
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

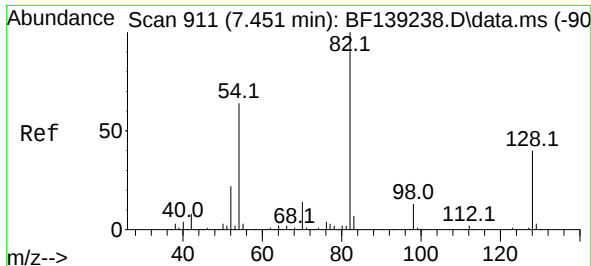
Tgt Ion:136 Resp: 414779
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 10.7 8.4 12.6
68 6.1 4.8 7.2



#22
Acetophenone
Concen: 9.716 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

Tgt Ion:105 Resp: 96006
Ion Ratio Lower Upper
105 100
71 8.5 6.2 9.2
51 42.5 38.2 57.2
120 22.2 17.7 26.5





#23

Nitrobenzene-d5

Concen: 96.552 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.000 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

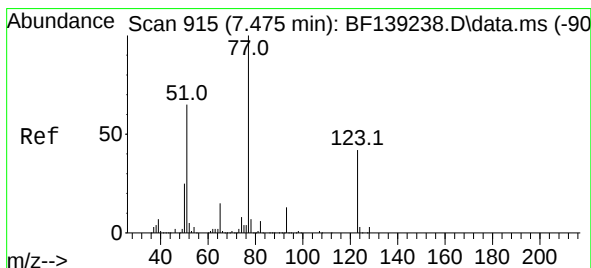
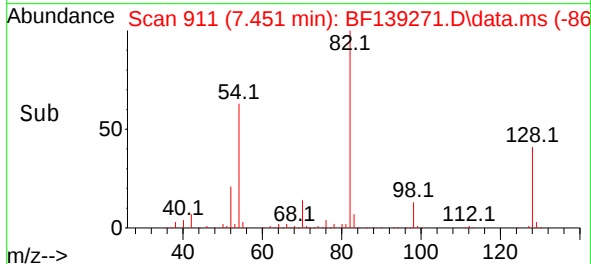
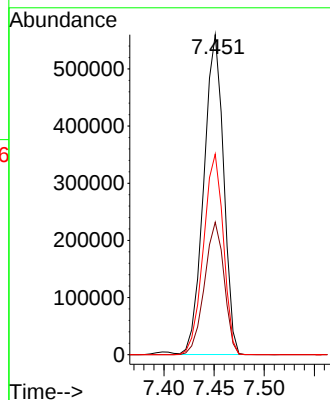
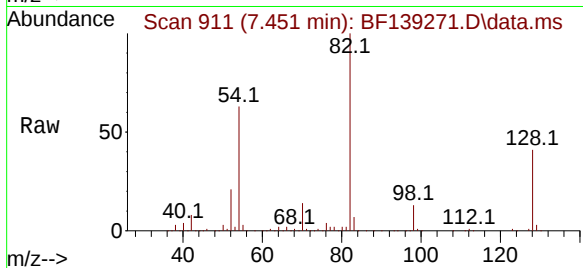
Tgt Ion: 82 Resp: 769810

Ion Ratio Lower Upper

82 100

128 41.4 32.3 48.5

54 62.7 51.2 76.8



#24

Nitrobenzene

Concen: 9.004 ng

RT: 7.469 min Scan# 914

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

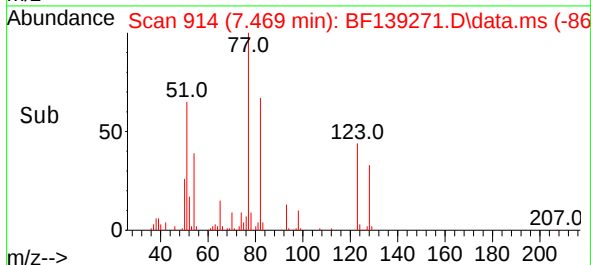
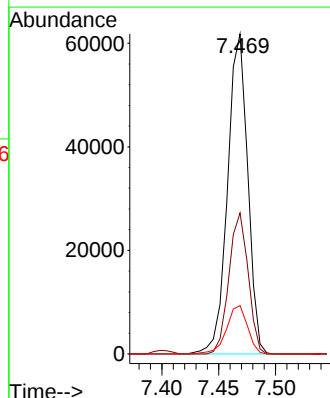
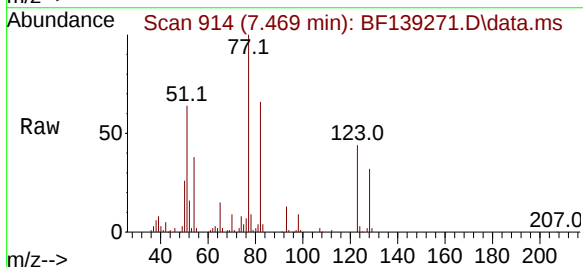
Tgt Ion: 77 Resp: 76198

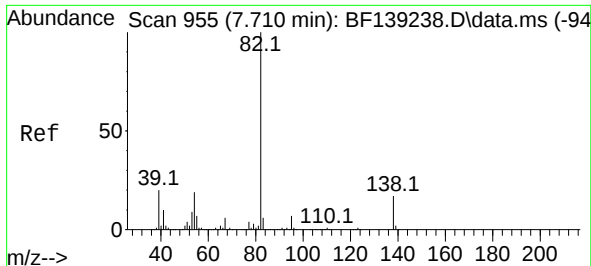
Ion Ratio Lower Upper

77 100

123 44.1 34.0 51.0

65 15.1 12.1 18.1

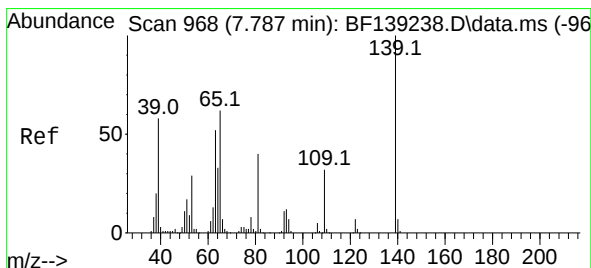
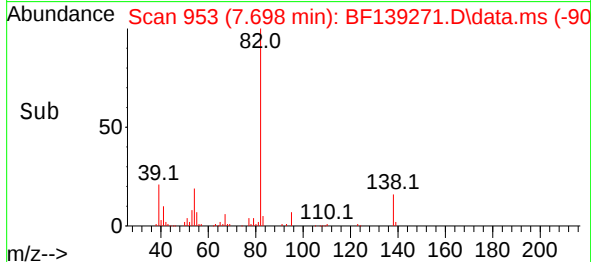
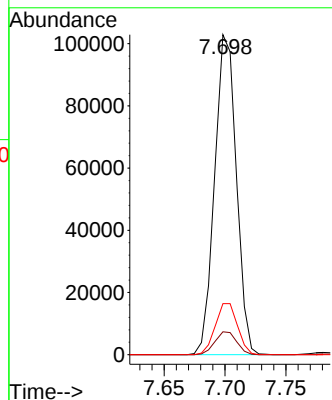
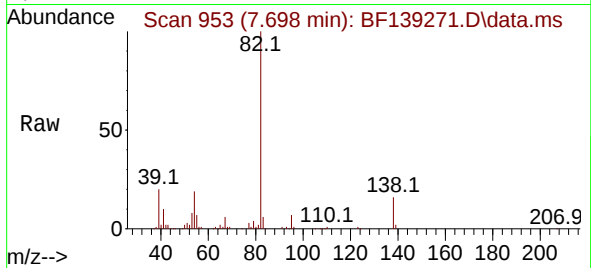




#25
Isophorone
Concen: 9.370 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

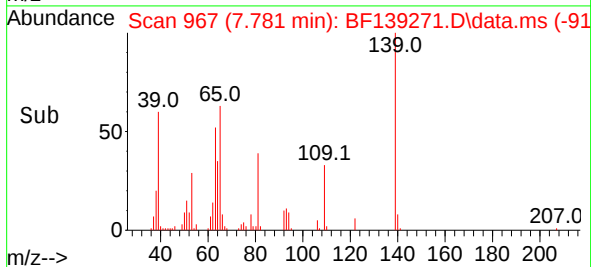
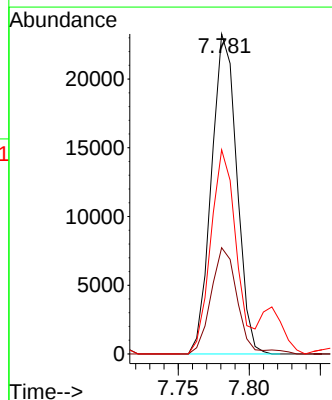
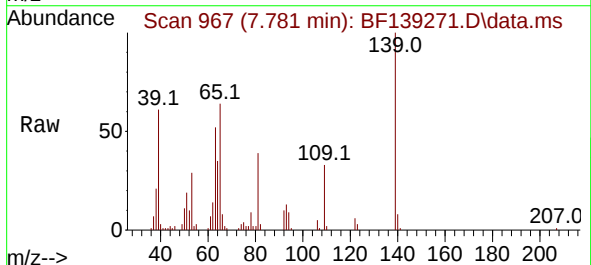
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

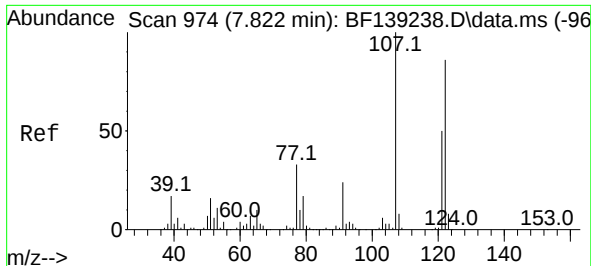
Tgt Ion: 82 Resp: 127724
Ion Ratio Lower Upper
82 100
95 7.2 6.0 9.0
138 15.9 13.4 20.0



#26
2-Nitrophenol
Concen: 8.679 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

Tgt Ion:139 Resp: 28846
Ion Ratio Lower Upper
139 100
109 33.2 25.4 38.2
65 63.8 49.4 74.2

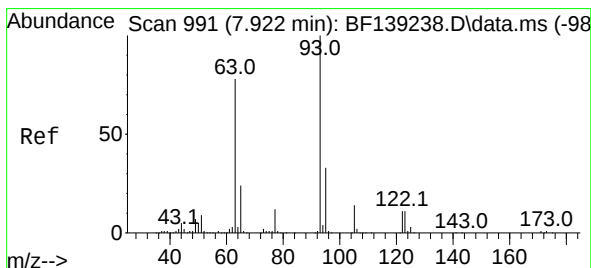
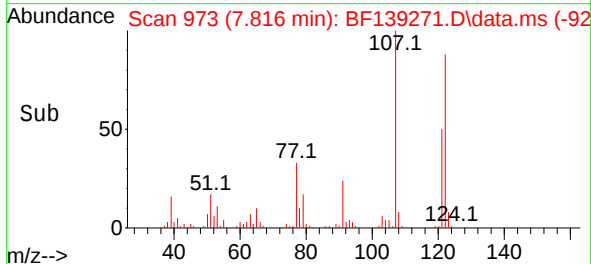
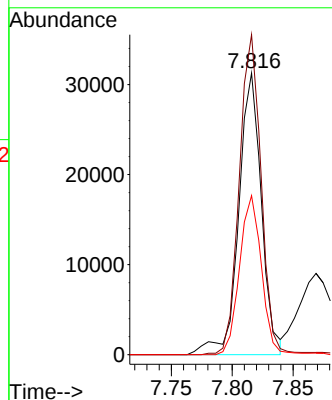
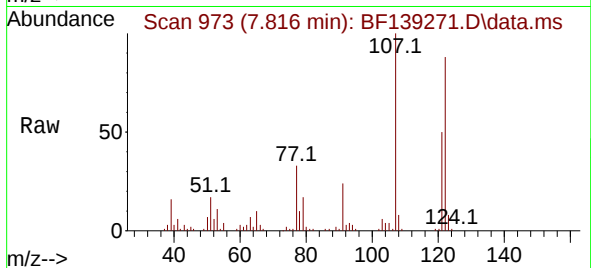




#27
2,4-Dimethylphenol
Concen: 8.549 ng
RT: 7.816 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

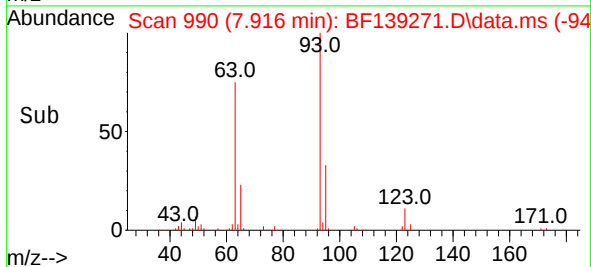
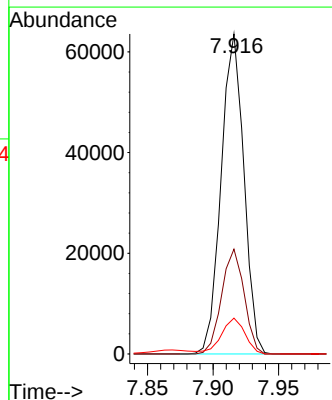
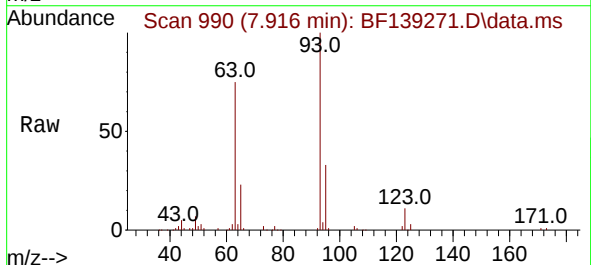
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

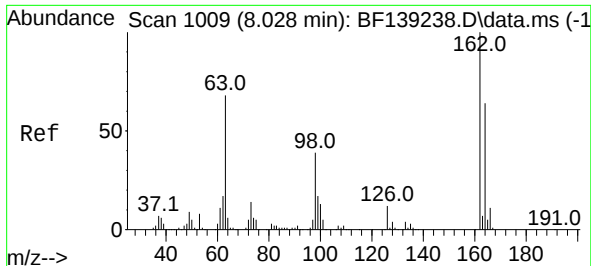
Tgt Ion:122 Resp: 40525
Ion Ratio Lower Upper
122 100
107 113.7 93.4 140.2
121 56.5 46.6 70.0



#28
bis(2-Chloroethoxy)methane
Concen: 9.422 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

Tgt Ion: 93 Resp: 76517
Ion Ratio Lower Upper
93 100
95 32.8 26.6 40.0
123 11.2 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 9.282 ng

RT: 8.022 min Scan# 1009

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

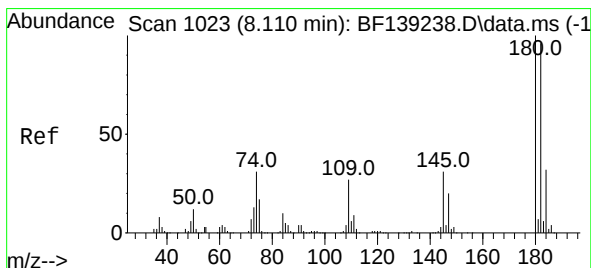
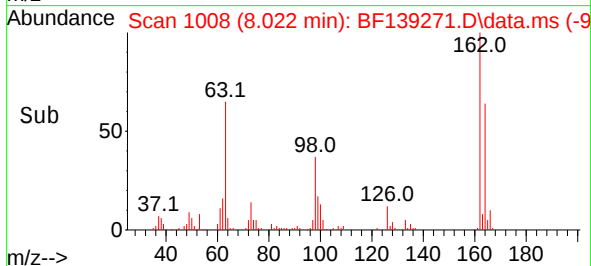
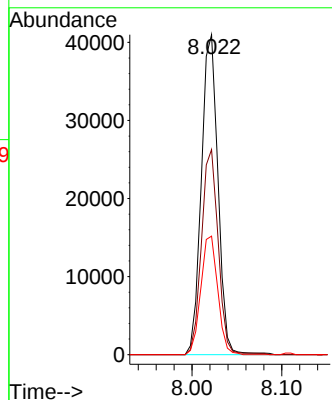
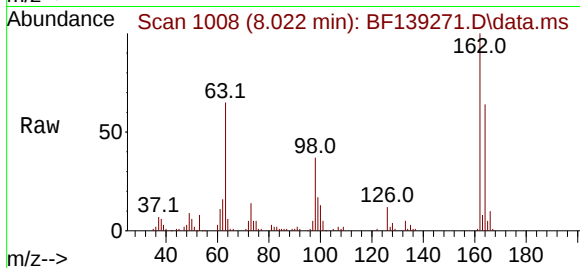
Tgt Ion:162 Resp: 52679

Ion Ratio Lower Upper

162 100

164 64.1 43.6 83.6

98 37.0 19.5 59.5



#30

1,2,4-Trichlorobenzene

Concen: 9.382 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

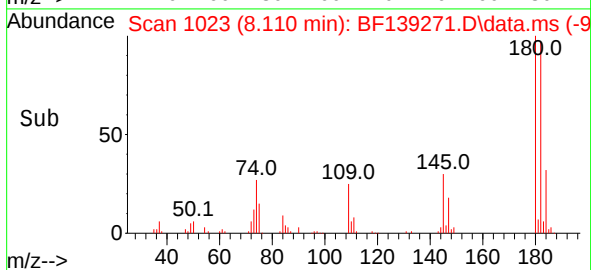
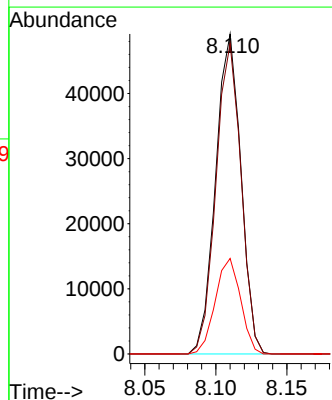
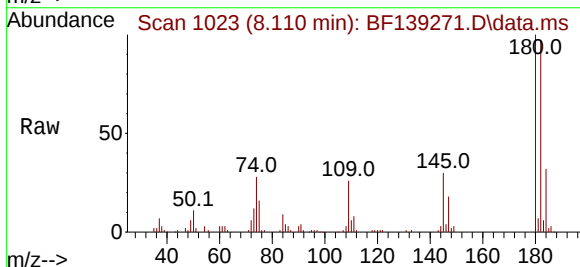
Tgt Ion:180 Resp: 60819

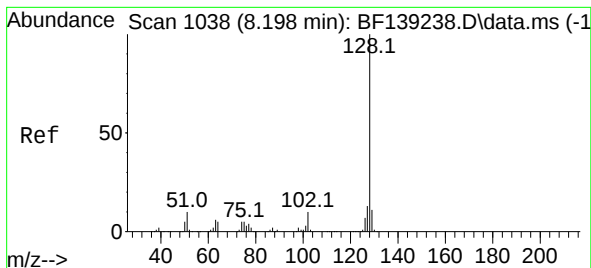
Ion Ratio Lower Upper

180 100

182 97.0 76.5 114.7

145 29.8 25.1 37.7





#31

Naphthalene

Concen: 9.428 ng

RT: 8.192 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

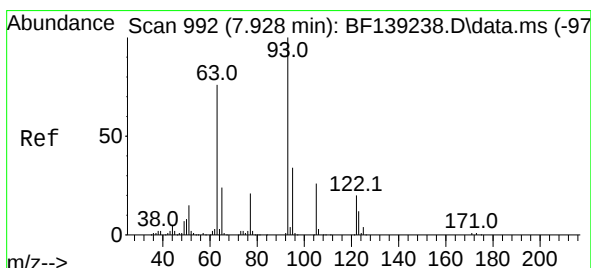
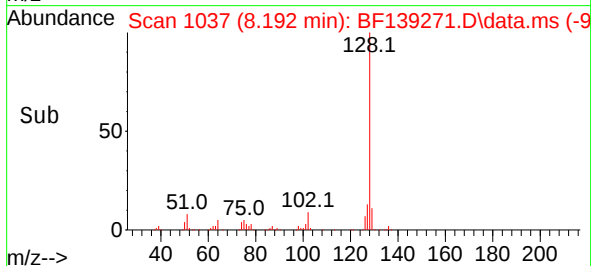
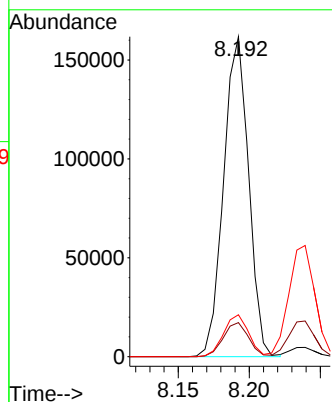
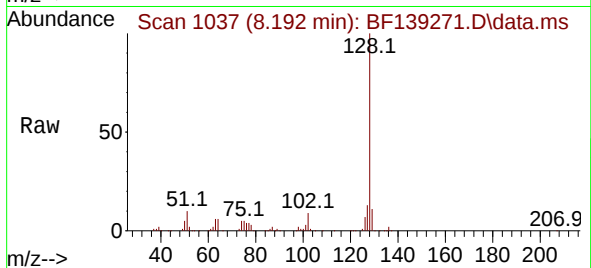
Tgt Ion:128 Resp: 198025

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

127 13.1 10.6 15.8



#32

Benzoic acid

Concen: 5.102 ng

RT: 7.869 min Scan# 982

Delta R.T. -0.059 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

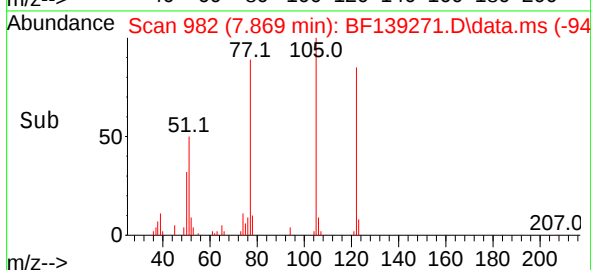
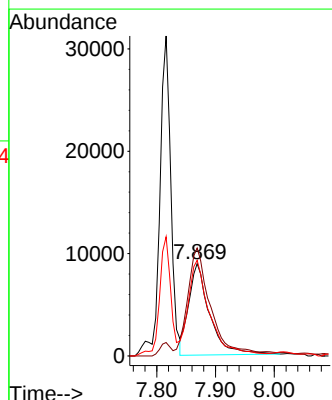
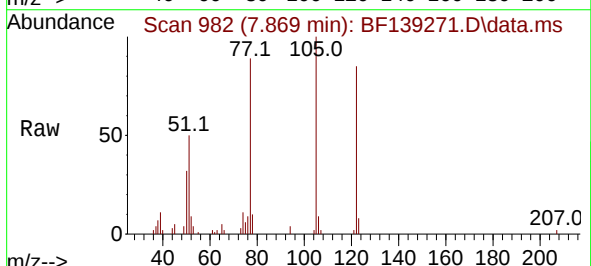
Tgt Ion:122 Resp: 22031

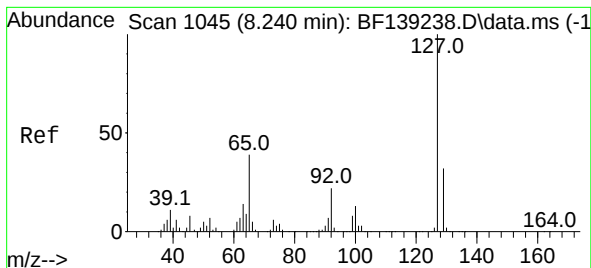
Ion Ratio Lower Upper

122 100

105 117.0 106.3 146.3

77 103.6 84.1 124.1





#33

4-Chloroaniline

Concen: 10.044 ng

RT: 8.239 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139271.D

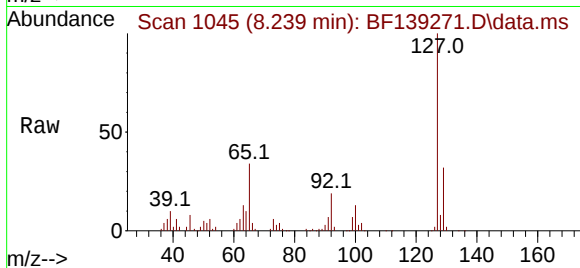
Acq: 06 Sep 2024 11:01

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024



Tgt Ion:127 Resp: 73047

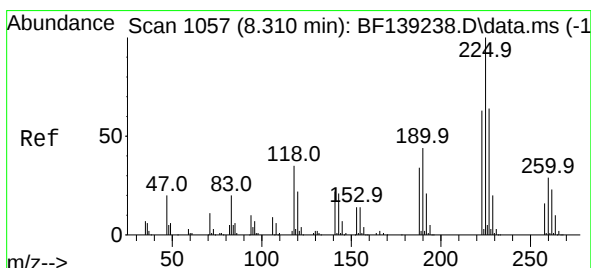
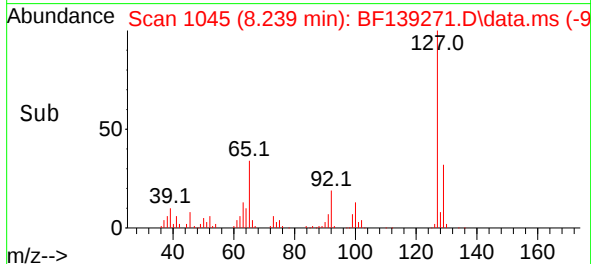
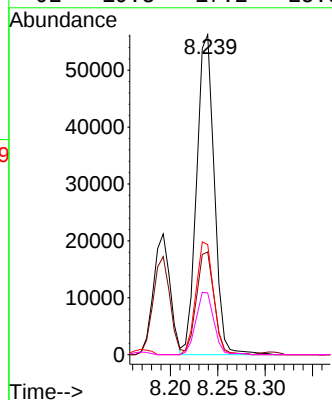
Ion Ratio Lower Upper

127 100

129 32.1 25.8 38.6

65 34.4 30.6 45.8

92 19.3 17.2 25.8



#34

Hexachlorobutadiene

Concen: 8.919 ng

RT: 8.310 min Scan# 1057

Delta R.T. -0.000 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

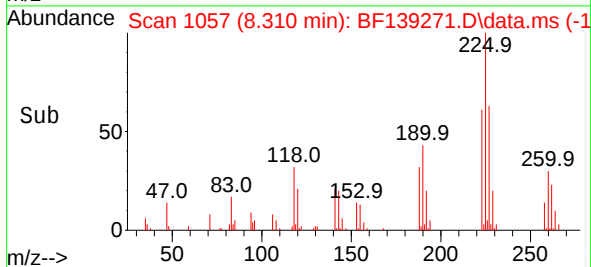
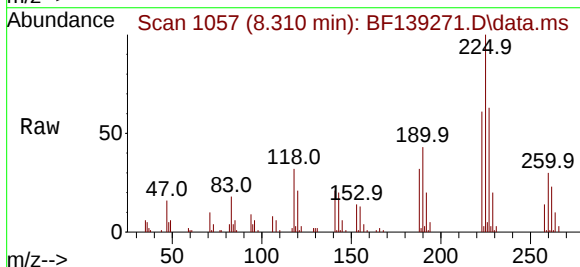
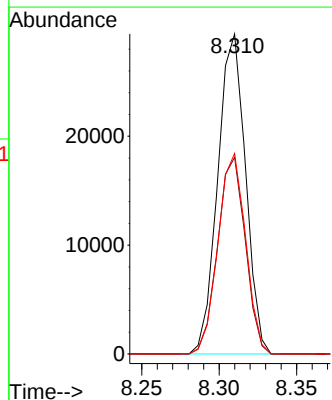
Tgt Ion:225 Resp: 36633

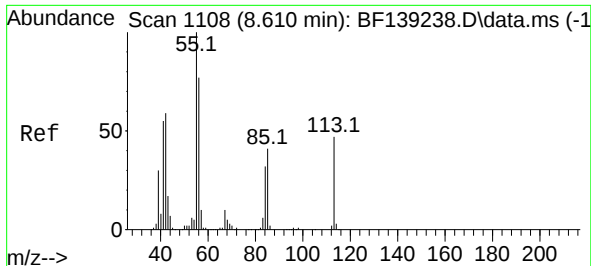
Ion Ratio Lower Upper

225 100

223 61.5 50.7 76.1

227 62.6 51.5 77.3





#35

Caprolactam

Concen: 8.522 ng

RT: 8.569 min Scan# 1101

Delta R.T. -0.041 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

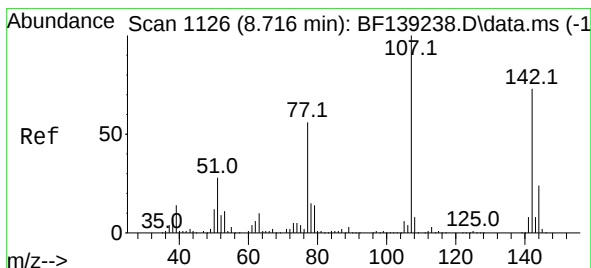
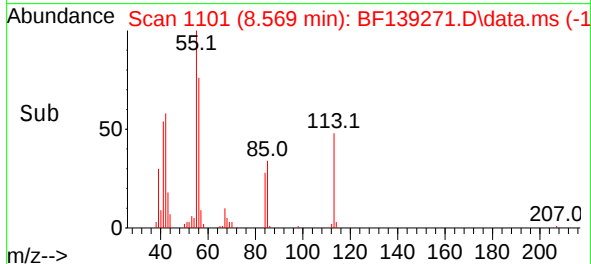
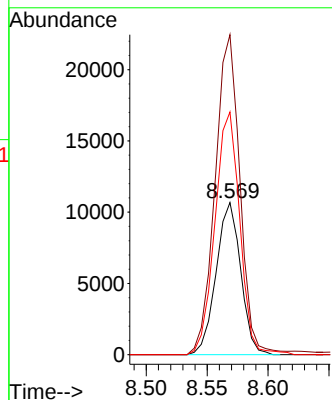
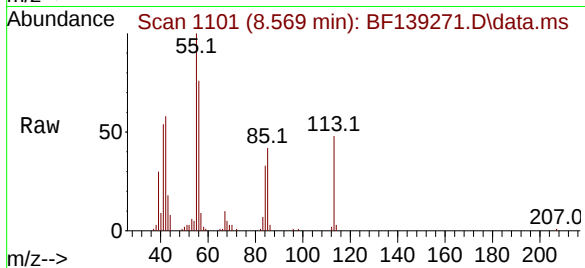
Tgt Ion:113 Resp: 14974

Ion Ratio Lower Upper

113 100

55 210.2 193.7 233.7

56 159.4 145.0 185.0



#36

4-Chloro-3-methylphenol

Concen: 9.180 ng

RT: 8.710 min Scan# 1125

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

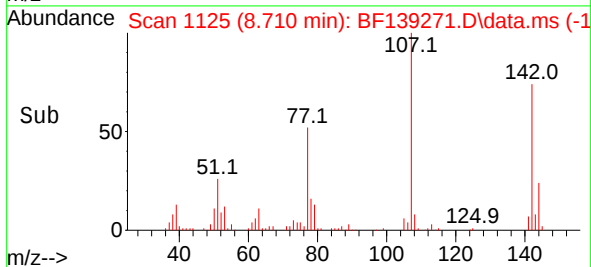
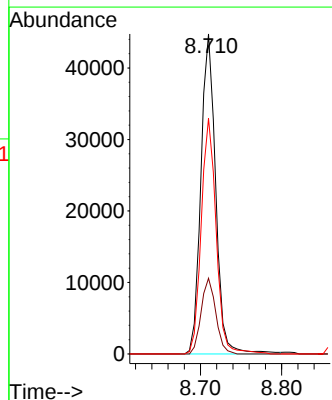
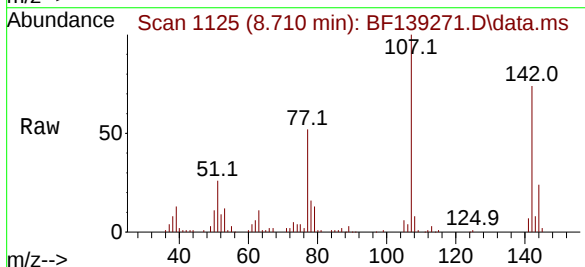
Tgt Ion:107 Resp: 56777

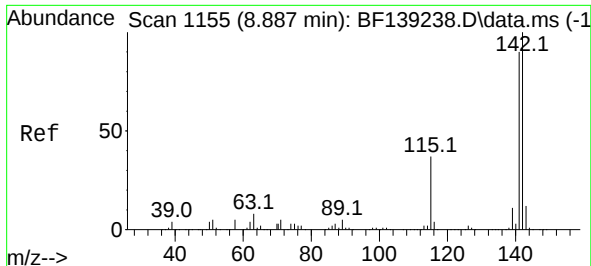
Ion Ratio Lower Upper

107 100

144 23.6 19.1 28.7

142 73.6 58.3 87.5





#37

2-Methylnaphthalene

Concen: 9.466 ng

RT: 8.880 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Instrument :

BNA_F

ClientSampleId :

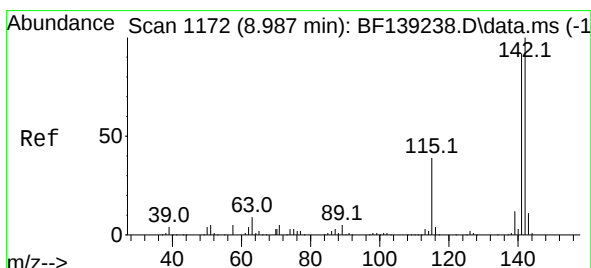
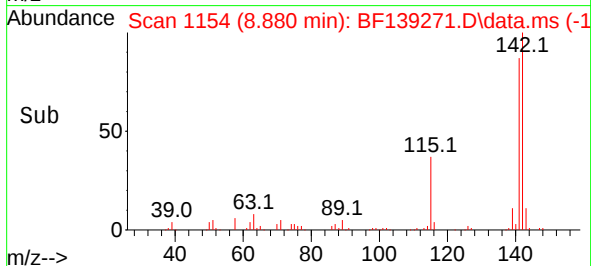
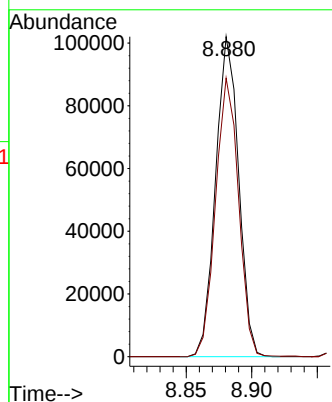
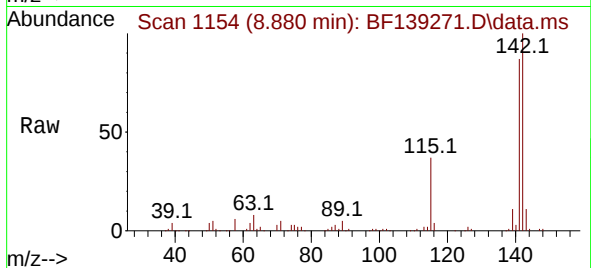
MDL-SOIL-03-QT2-2024

Tgt Ion:142 Resp: 124397

Ion Ratio Lower Upper

142 100

141 87.0 71.6 107.4



#38

1-Methylnaphthalene

Concen: 9.004 ng

RT: 8.980 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF139271.D

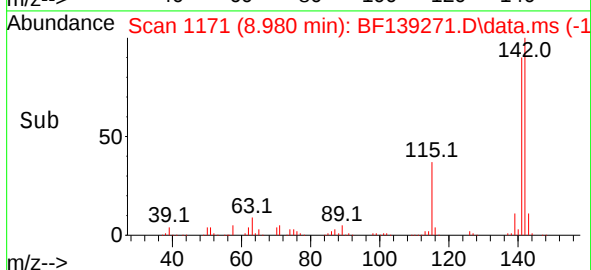
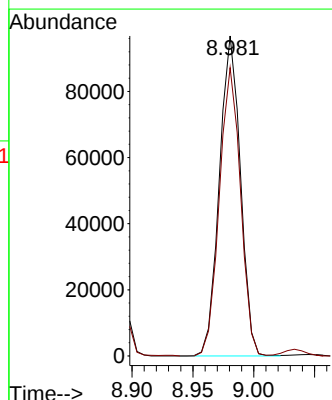
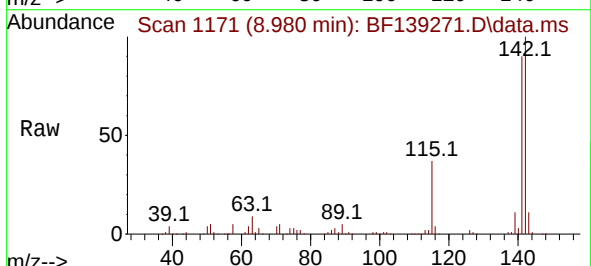
Acq: 06 Sep 2024 11:01

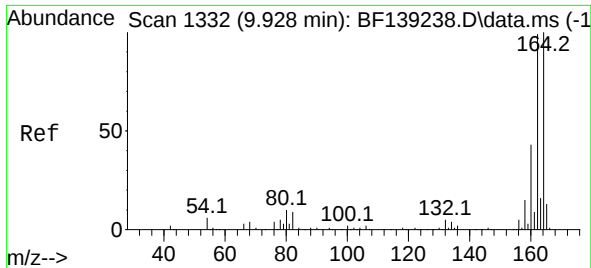
Tgt Ion:142 Resp: 116375

Ion Ratio Lower Upper

142 100

141 90.1 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

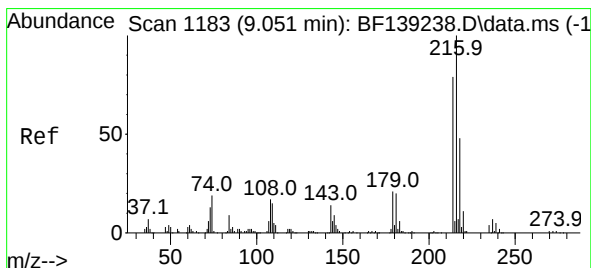
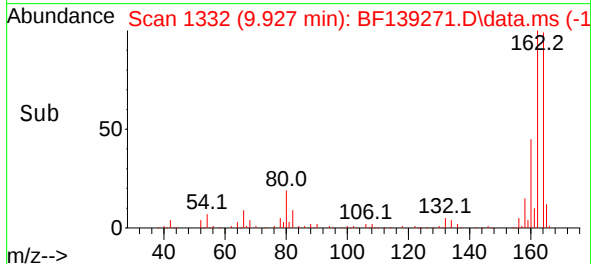
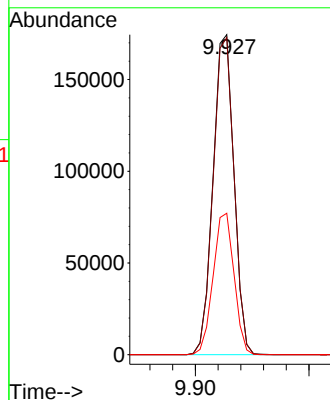
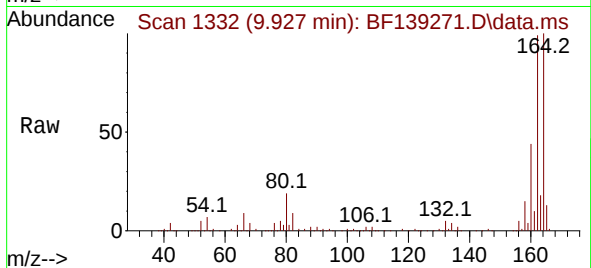
Tgt Ion:164 Resp: 223419

Ion Ratio Lower Upper

164 100

162 99.1 79.2 118.8

160 44.2 34.2 51.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.666 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Tgt Ion:216 Resp: 61102

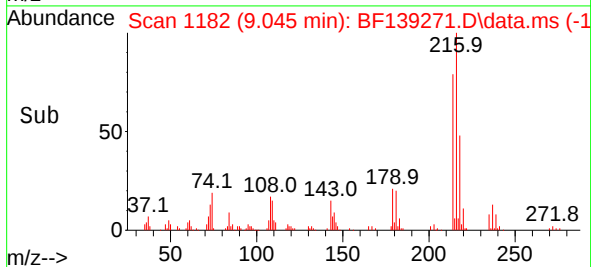
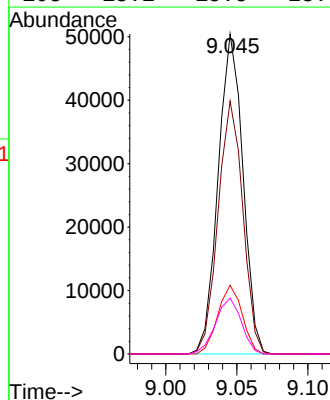
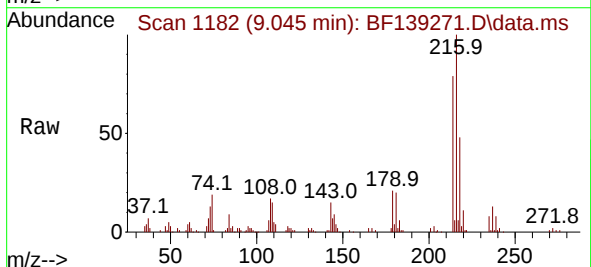
Ion Ratio Lower Upper

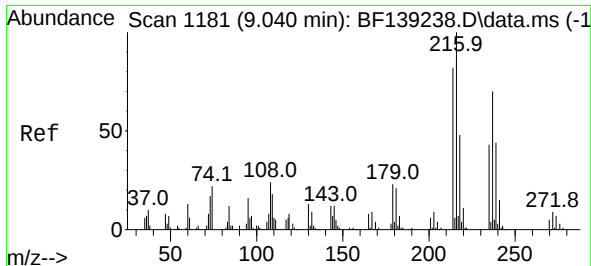
216 100

214 78.9 63.8 95.8

179 21.2 16.9 25.3

108 18.1 15.5 23.3

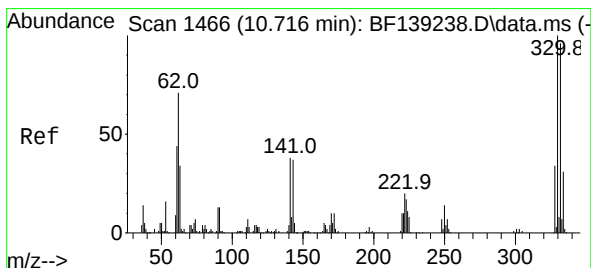
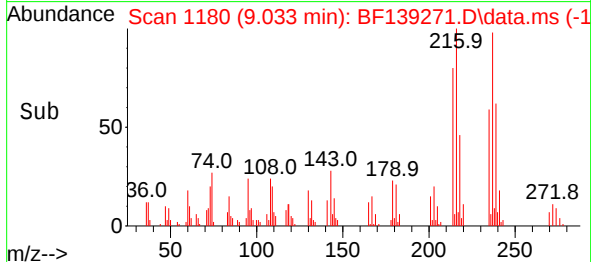
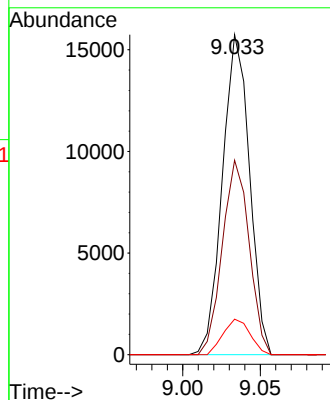
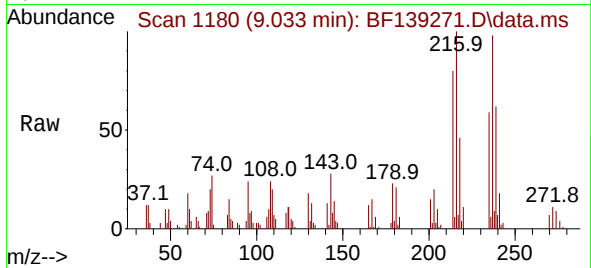




#41
Hexachlorocyclopentadiene
Concen: 9.405 ng
RT: 9.033 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

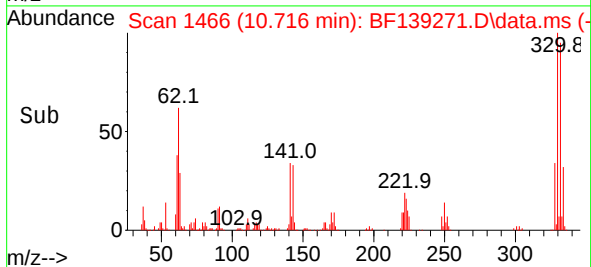
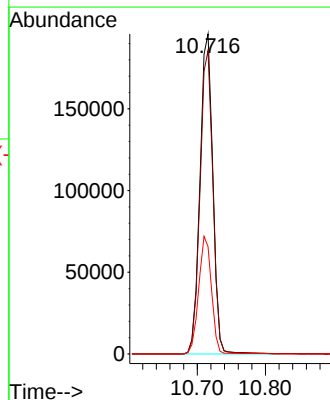
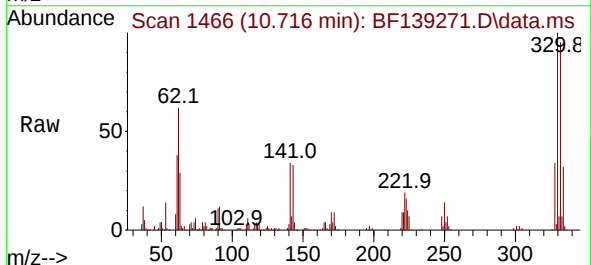
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

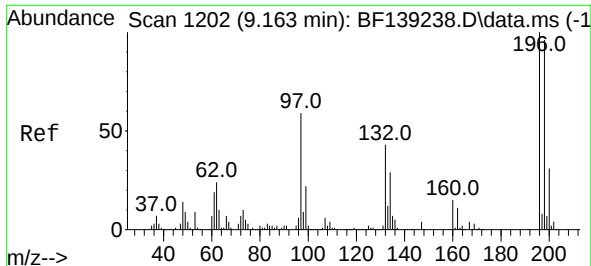
Tgt Ion:237 Resp: 19105
Ion Ratio Lower Upper
237 100
235 60.8 41.4 81.4
272 11.1 0.0 32.2



#42
2,4,6-Tribromophenol
Concen: 133.361 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

Tgt Ion:330 Resp: 257288
Ion Ratio Lower Upper
330 100
332 94.9 76.6 115.0
141 36.4 30.1 45.1





#43

2,4,6-Trichlorophenol

Concen: 8.769 ng

RT: 9.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

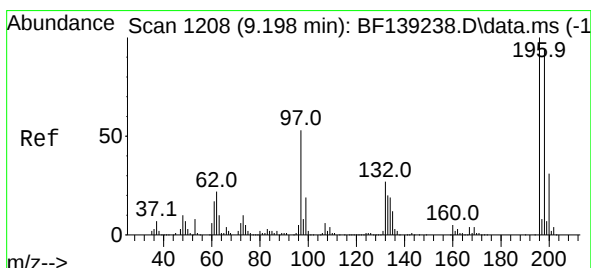
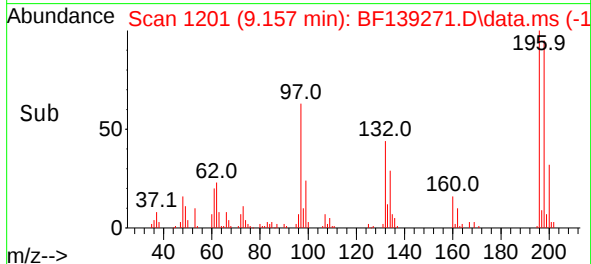
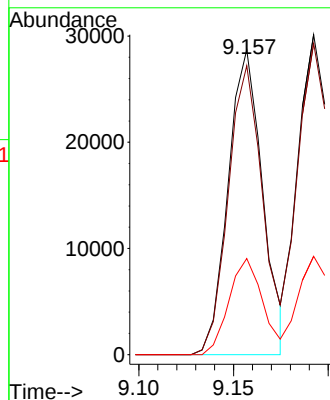
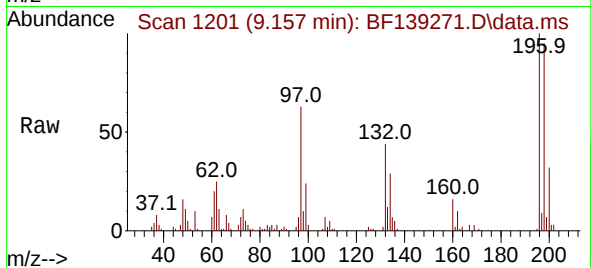
Tgt Ion:196 Resp: 36269

Ion Ratio Lower Upper

196 100

198 94.7 77.0 115.4

200 31.5 24.7 37.1



#44

2,4,5-Trichlorophenol

Concen: 8.910 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Tgt Ion:196 Resp: 38617

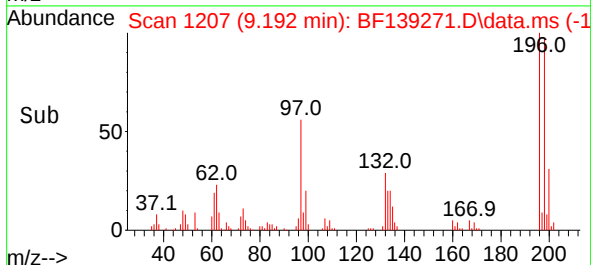
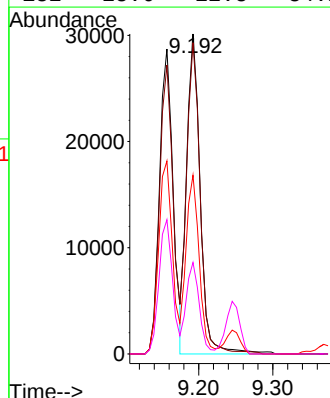
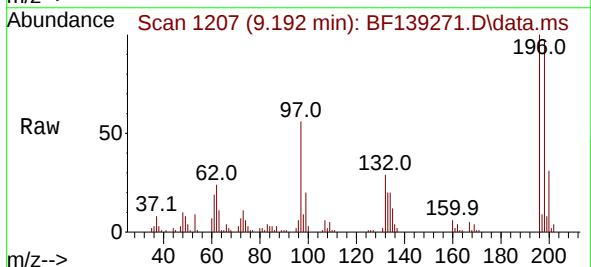
Ion Ratio Lower Upper

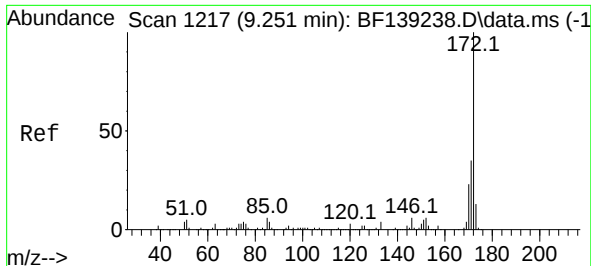
196 100

198 97.3 75.6 113.4

97 55.8 43.6 65.4

132 28.6 22.8 34.2





#45

2-Fluorobiphenyl

Concen: 93.321 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

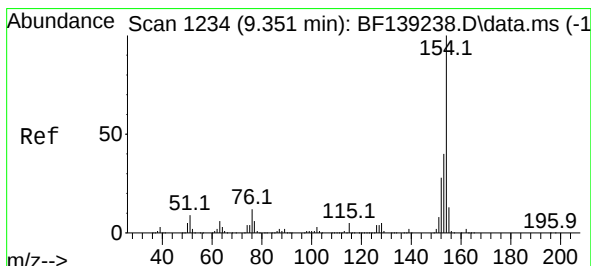
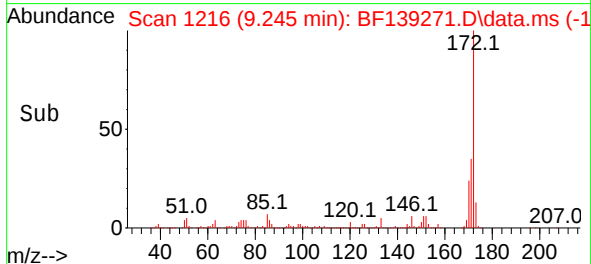
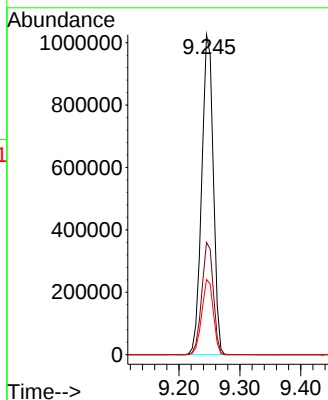
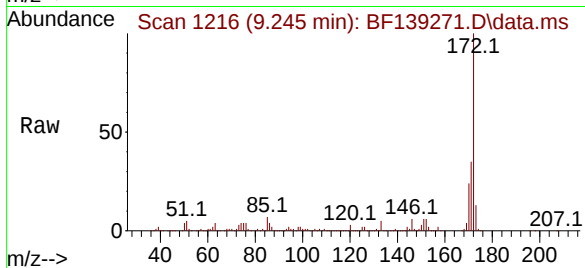
Tgt Ion:172 Resp: 1350678

Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

170 23.5 18.7 28.1



#46

1,1'-Biphenyl

Concen: 9.725 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

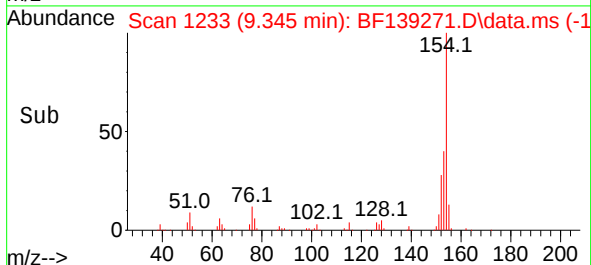
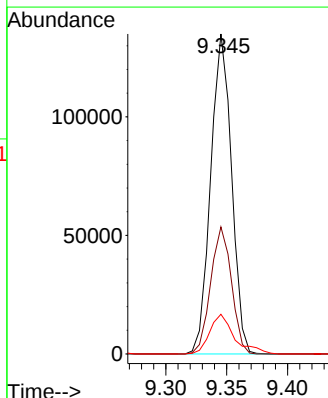
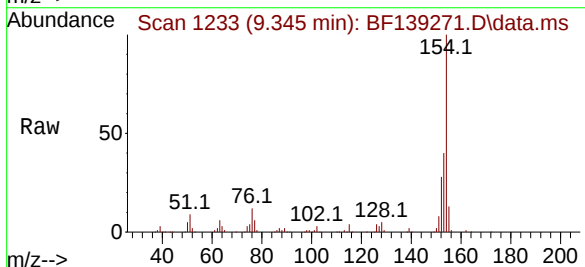
Tgt Ion:154 Resp: 160983

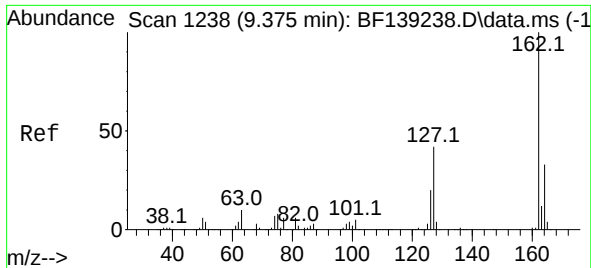
Ion Ratio Lower Upper

154 100

153 39.7 20.1 60.1

76 12.4 0.0 32.3





#47

2-Chloronaphthalene

Concen: 9.402 ng

RT: 9.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

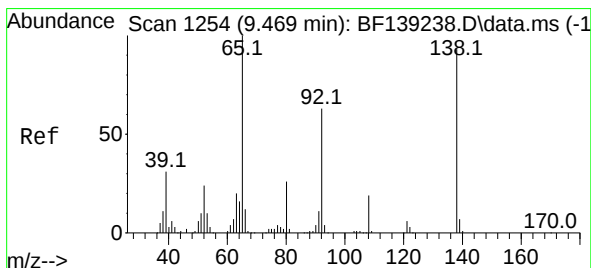
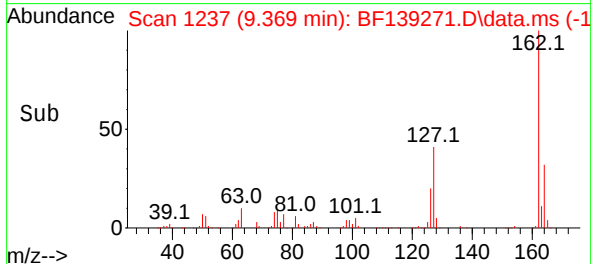
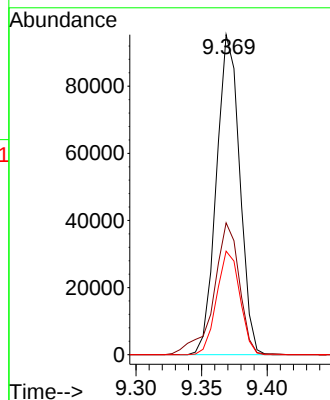
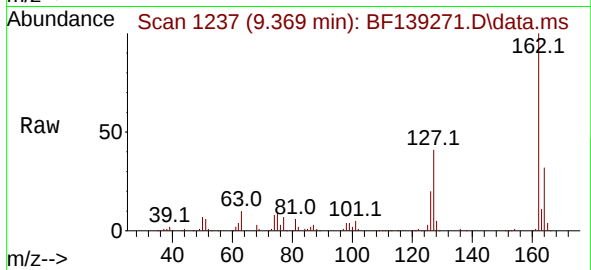
Tgt Ion:162 Resp: 117521

Ion Ratio Lower Upper

162 100

127 41.2 34.2 51.4

164 32.4 26.2 39.2



#48

2-Nitroaniline

Concen: 8.785 ng

RT: 9.463 min Scan# 1253

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

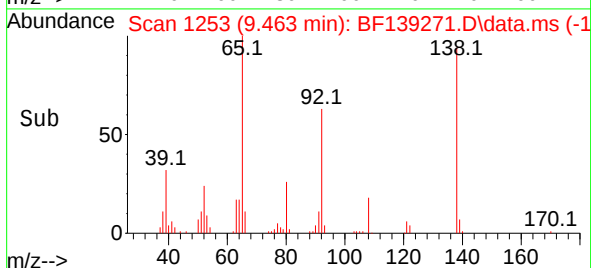
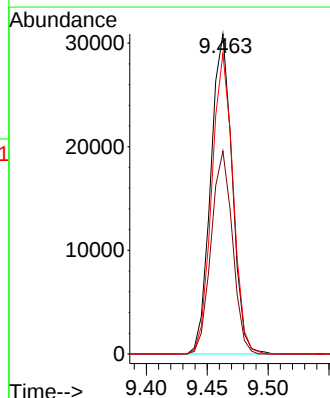
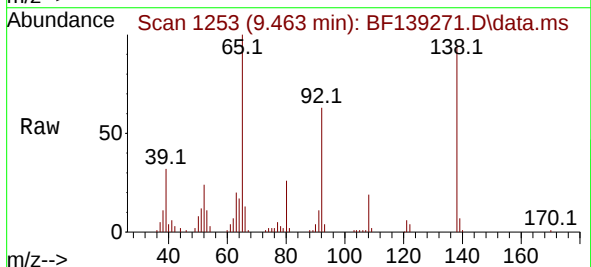
Tgt Ion: 65 Resp: 37822

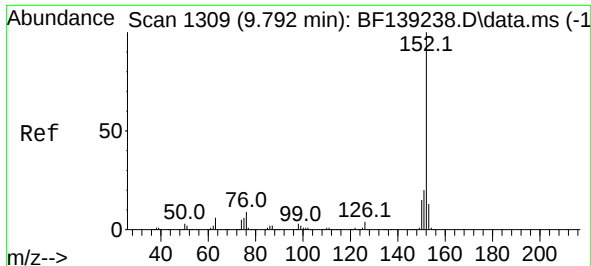
Ion Ratio Lower Upper

65 100

92 63.4 50.4 75.6

138 93.9 74.2 111.4





#49

Acenaphthylene

Concen: 10.173 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

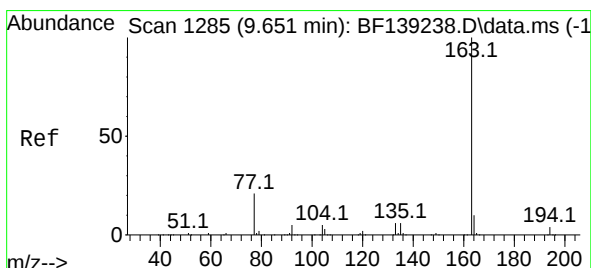
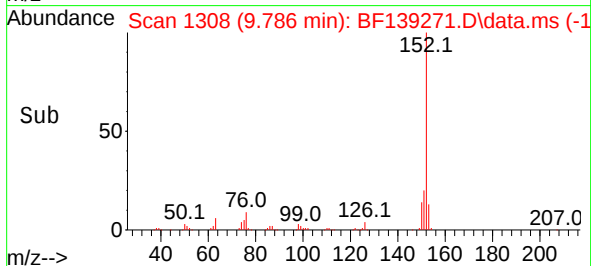
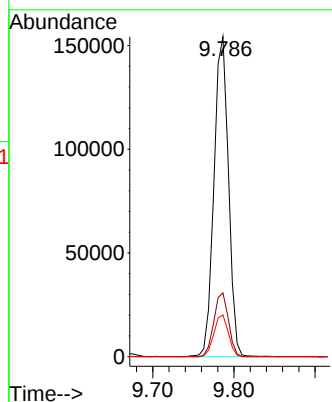
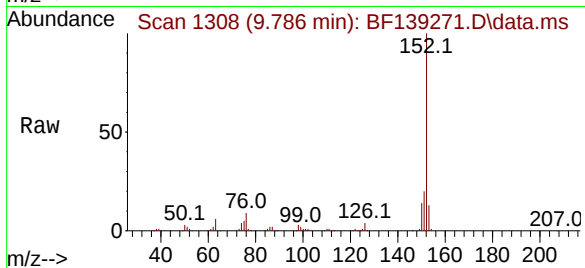
Tgt Ion:152 Resp: 191507

Ion Ratio Lower Upper

152 100

151 20.0 16.0 24.0

153 13.0 10.4 15.6



#50

Dimethylphthalate

Concen: 9.529 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

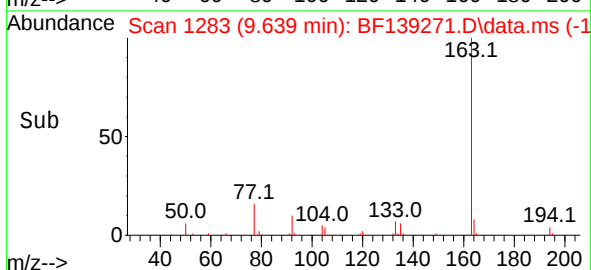
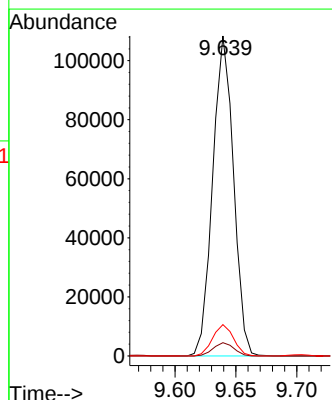
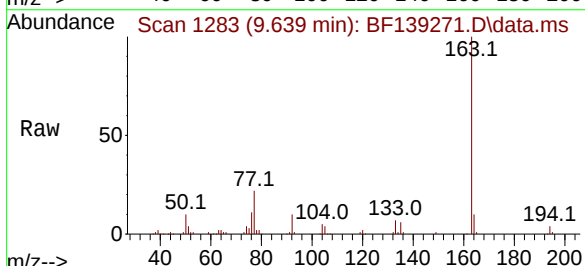
Tgt Ion:163 Resp: 129034

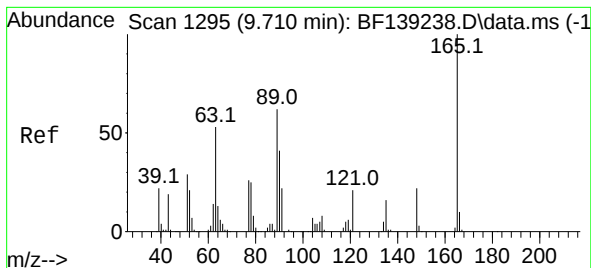
Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

164 9.8 7.9 11.9





#51

2,6-Dinitrotoluene

Concen: 8.992 ng

RT: 9.704 min Scan# 1294

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

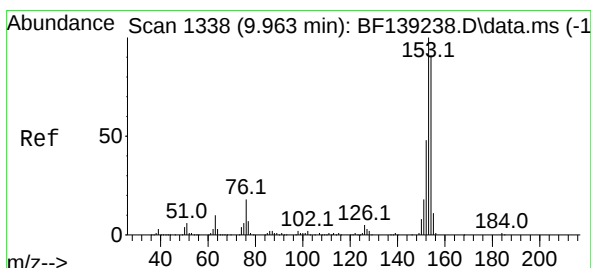
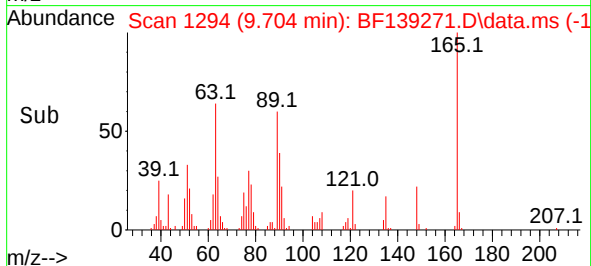
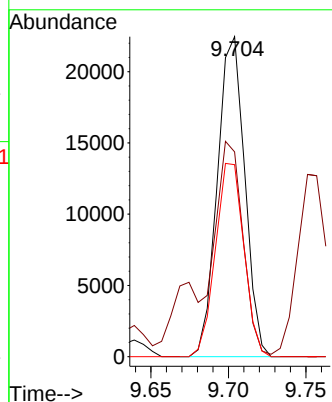
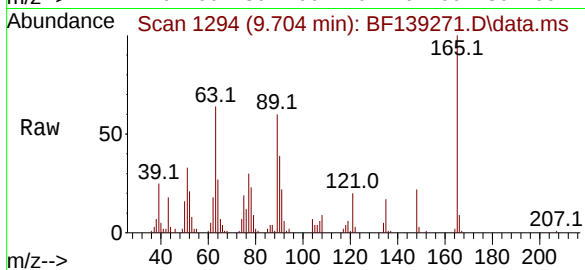
Tgt Ion:165 Resp: 27624

Ion Ratio Lower Upper

165 100

63 64.0 56.1 84.1

89 60.0 49.7 74.5



#52

Acenaphthene

Concen: 8.912 ng

RT: 9.957 min Scan# 1337

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

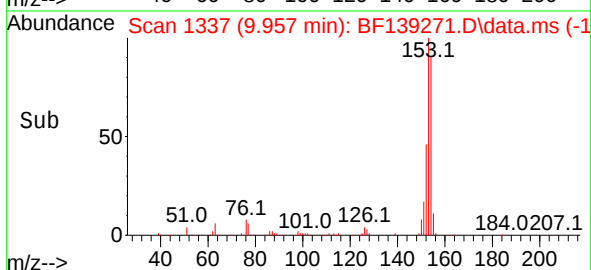
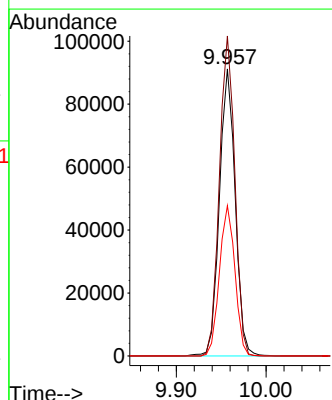
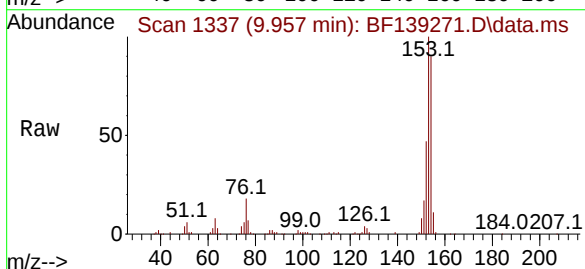
Tgt Ion:154 Resp: 111274

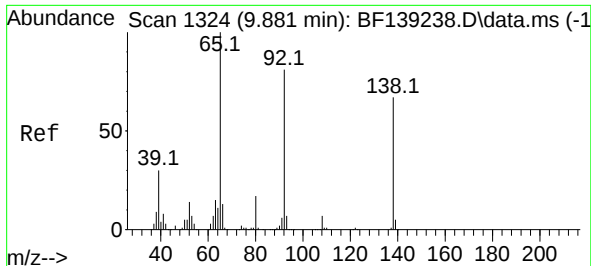
Ion Ratio Lower Upper

154 100

153 111.5 87.8 131.6

152 52.3 41.7 62.5

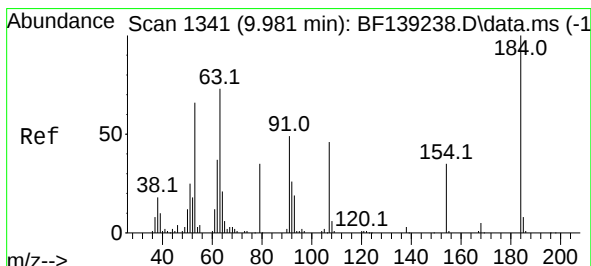
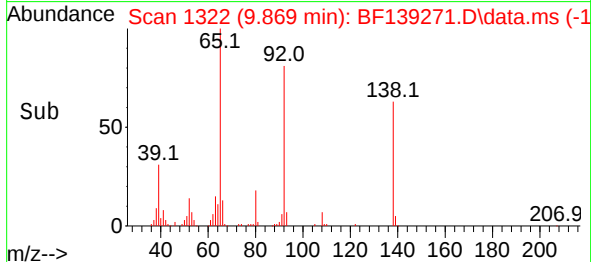
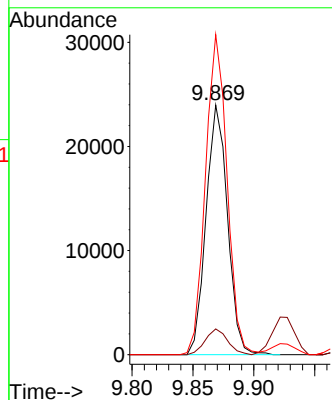
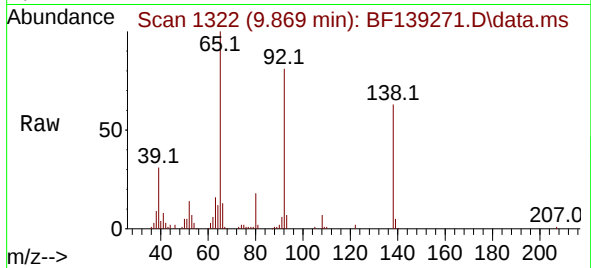




#53
3-Nitroaniline
Concen: 8.986 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

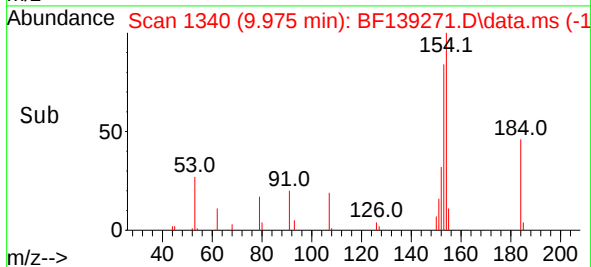
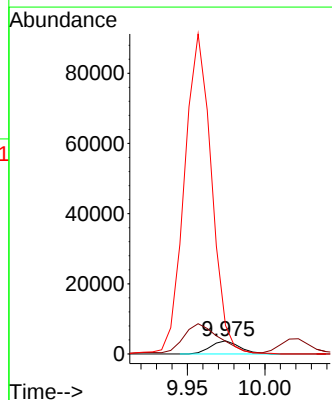
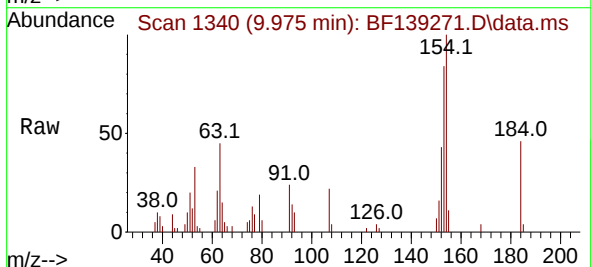
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

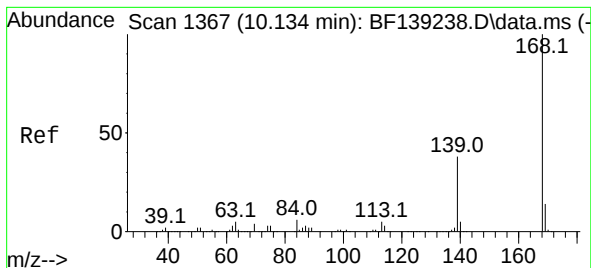
Tgt Ion:138 Resp: 29412
Ion Ratio Lower Upper
138 100
108 10.3 8.6 13.0
92 128.2 96.4 144.6



#54
2,4-Dinitrophenol
Concen: 10.248 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

Tgt Ion:184 Resp: 4836
Ion Ratio Lower Upper
184 100
63 98.1 66.4 99.6
154 218.1 97.0 145.6#





#55

Dibenzenofuran

Concen: 9.837 ng

RT: 10.127 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

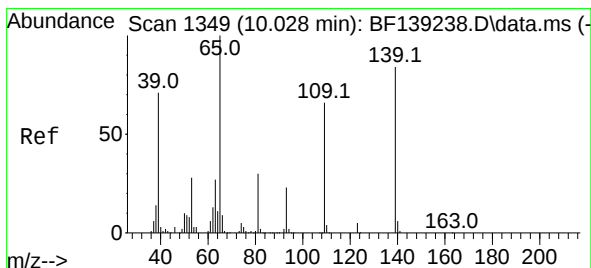
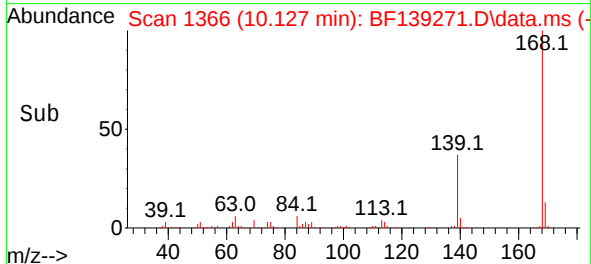
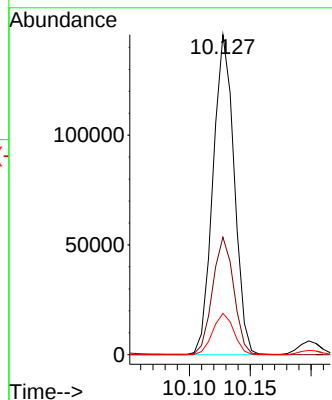
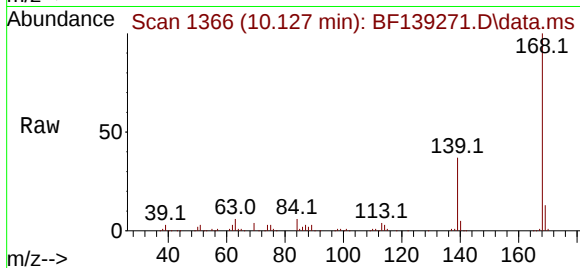
Tgt Ion:168 Resp: 176092

Ion Ratio Lower Upper

168 100

139 36.7 30.2 45.4

169 12.9 10.8 16.2



#56

4-Nitrophenol

Concen: 7.585 ng

RT: 10.022 min Scan# 1348

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

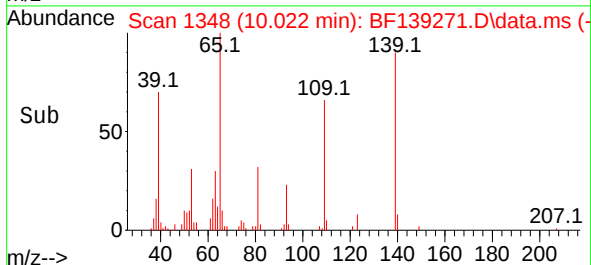
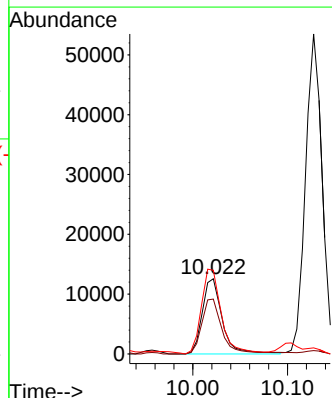
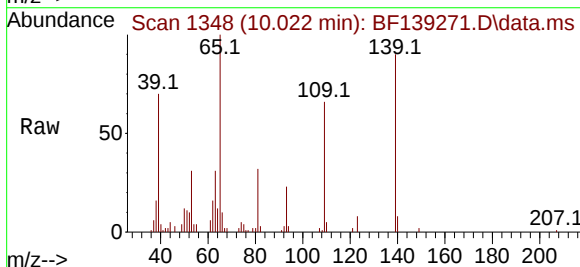
Tgt Ion:139 Resp: 18325

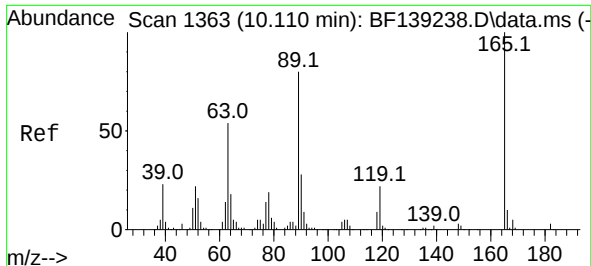
Ion Ratio Lower Upper

139 100

109 73.0 58.7 98.7

65 111.2 100.3 140.3

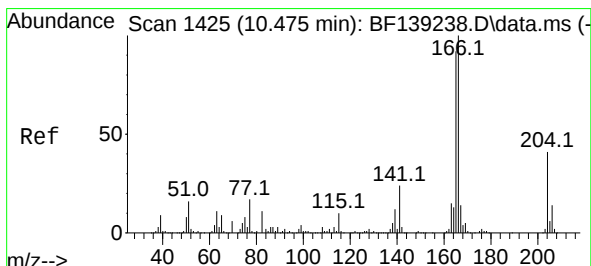
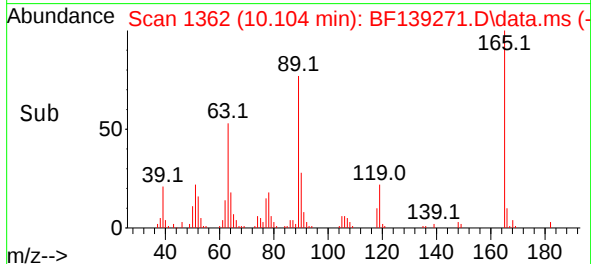
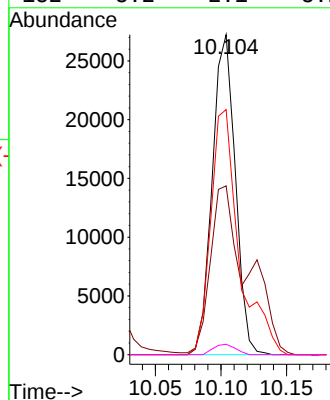
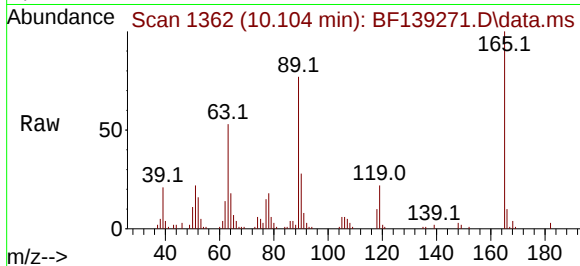




#57
2,4-Dinitrotoluene
Concen: 8.508 ng
RT: 10.104 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

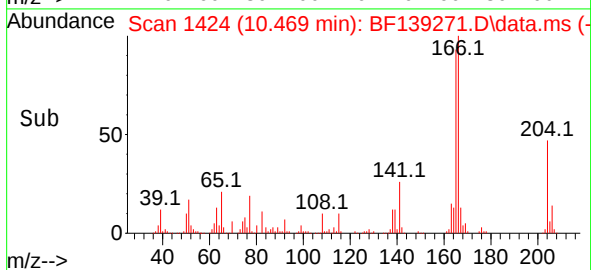
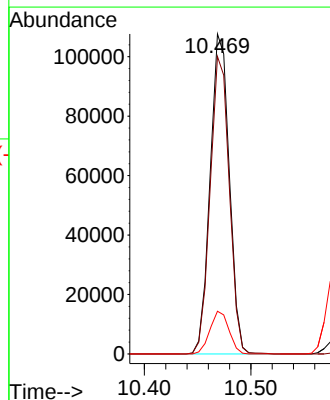
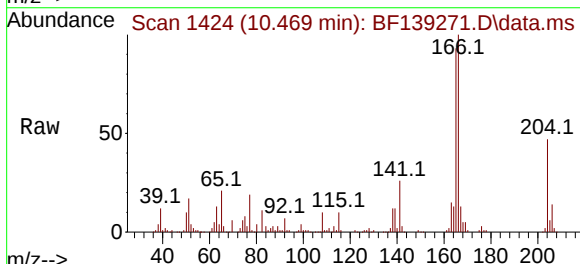
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

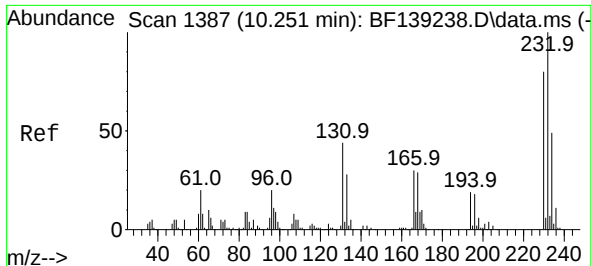
Tgt Ion:165 Resp: 33266
Ion Ratio Lower Upper
165 100
63 52.7 43.4 65.0
89 76.6 64.2 96.4
182 3.2 2.1 3.1#



#58
Fluorene
Concen: 9.666 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

Tgt Ion:166 Resp: 134157
Ion Ratio Lower Upper
166 100
165 92.9 73.7 110.5
167 13.4 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 8.911 ng

RT: 10.245 min Scan# 1402

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:232 Resp: 30400

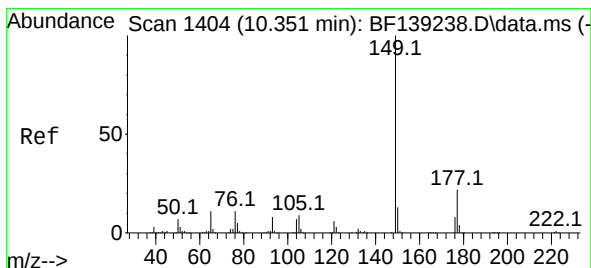
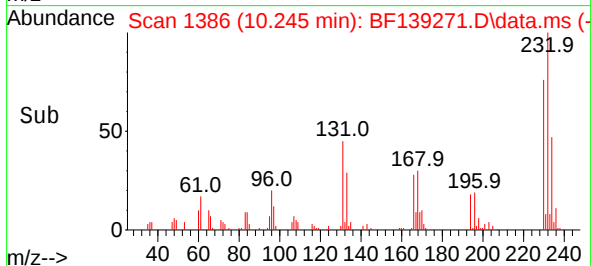
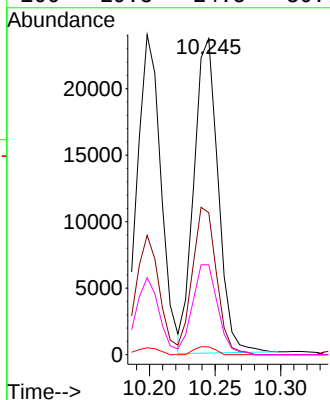
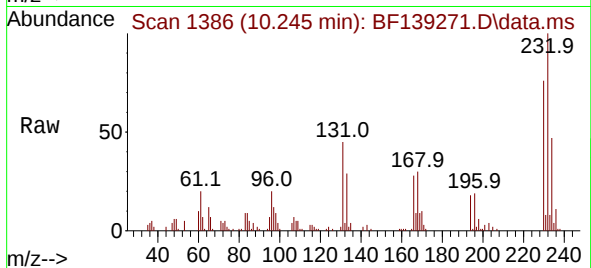
Ion Ratio Lower Upper

232 100

131 46.7 37.7 56.5

130 2.2 1.9 2.9

166 29.8 24.5 36.7



#60

Diethylphthalate

Concen: 9.180 ng

RT: 10.339 min Scan# 1402

Delta R.T. -0.012 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

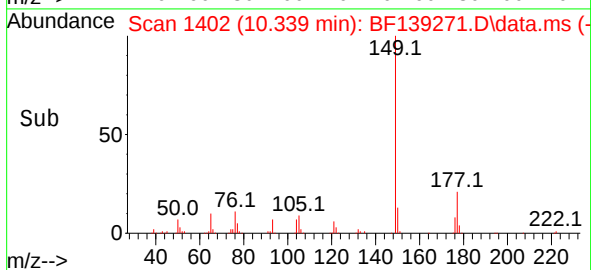
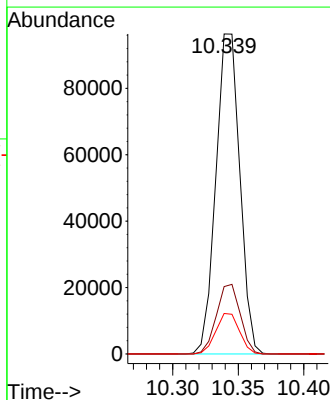
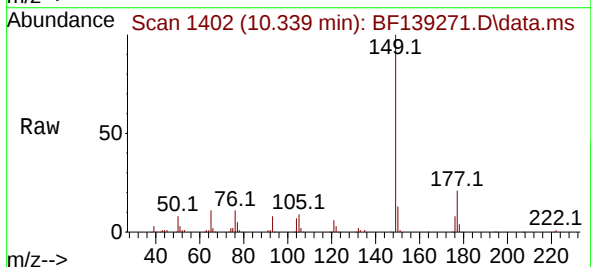
Tgt Ion:149 Resp: 122333

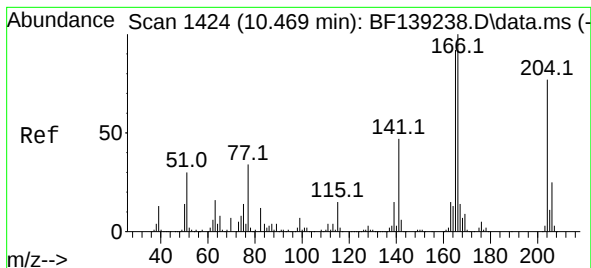
Ion Ratio Lower Upper

149 100

177 21.0 17.7 26.5

150 12.6 10.2 15.2

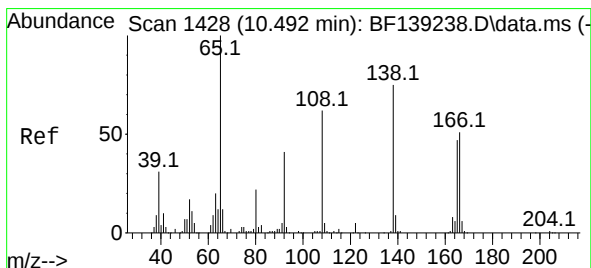
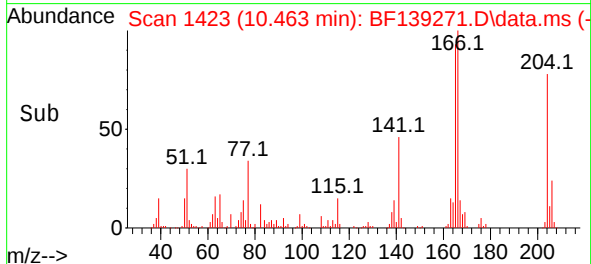
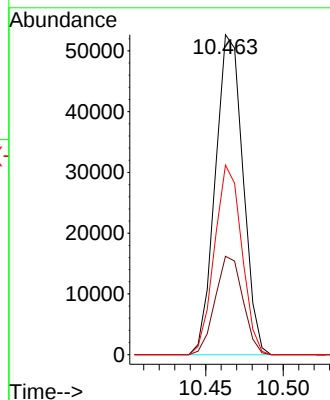
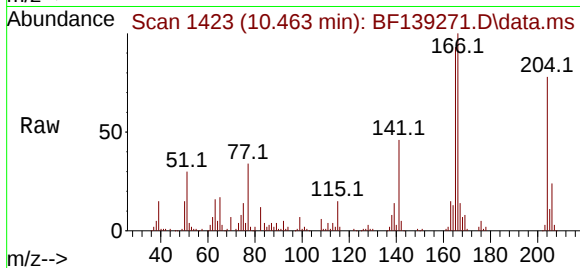




#61
4-Chlorophenyl-phenylether
Concen: 9.780 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

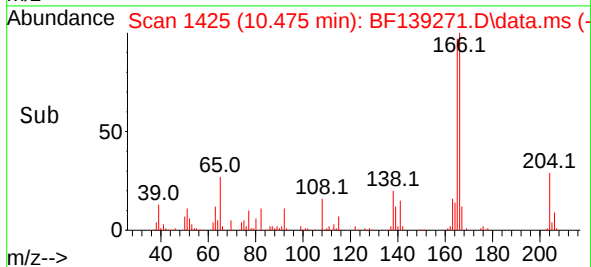
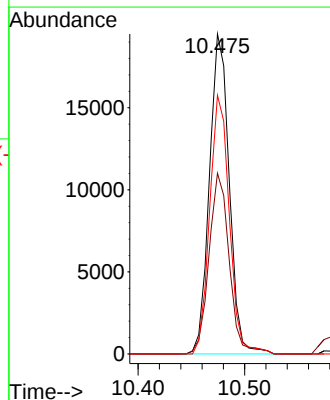
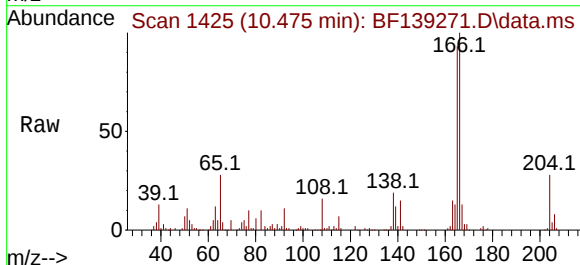
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

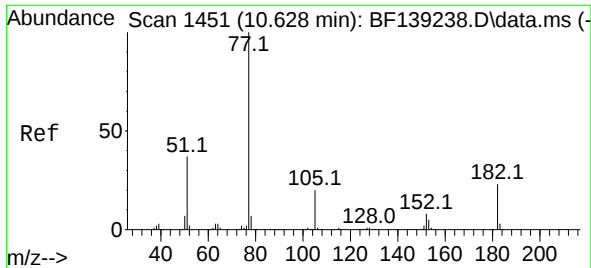
Tgt Ion:204 Resp: 65458
Ion Ratio Lower Upper
204 100
206 30.7 25.8 38.8
141 59.3 48.6 72.8



#62
4-Nitroaniline
Concen: 8.067 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.018 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

Tgt Ion:138 Resp: 25133
Ion Ratio Lower Upper
138 100
92 56.5 34.4 74.4
108 80.8 62.7 102.7

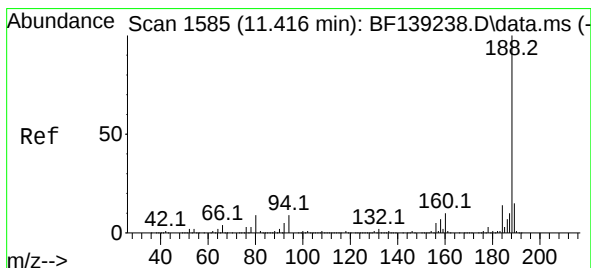
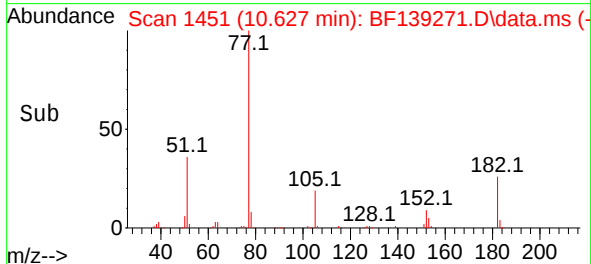
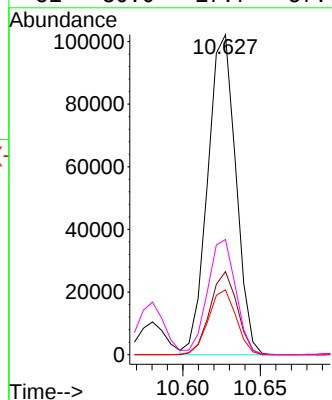
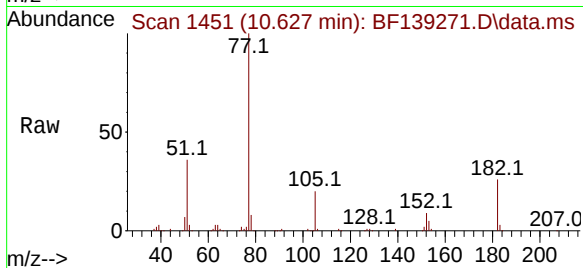




#63
Azobenzene
Concen: 9.204 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

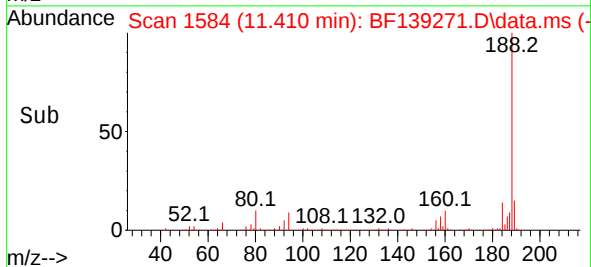
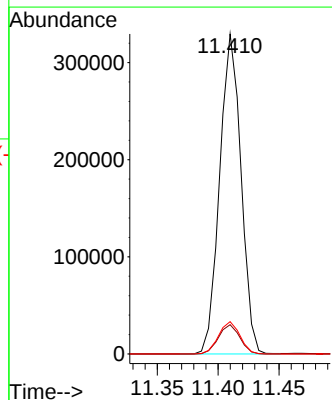
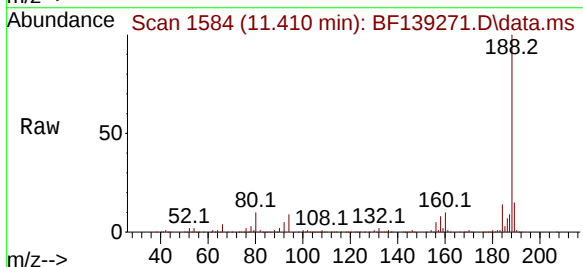
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

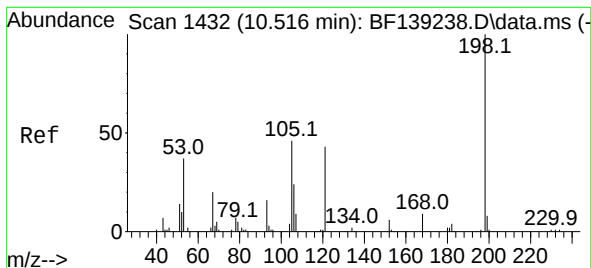
Tgt Ion:	77	Resp:	129276
Ion	Ratio	Lower	Upper
77	100		
182	26.0	3.0	43.0
105	20.3	0.0	39.4
51	36.0	17.7	57.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

Tgt Ion:	188	Resp:	402342
Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.0	10.4
80	10.1	7.3	10.9

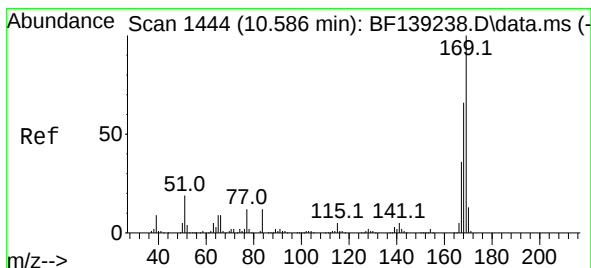
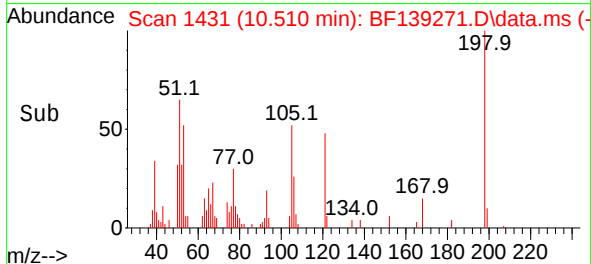
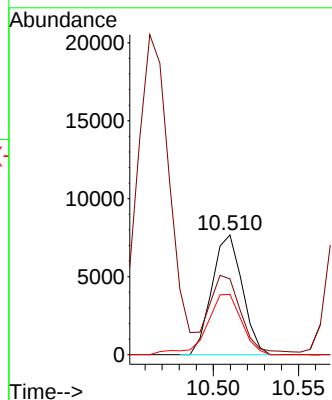
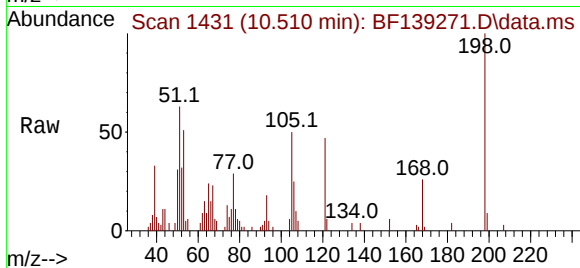




#65
4,6-Dinitro-2-methylphenol
Concen: 5.114 ng
RT: 10.510 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

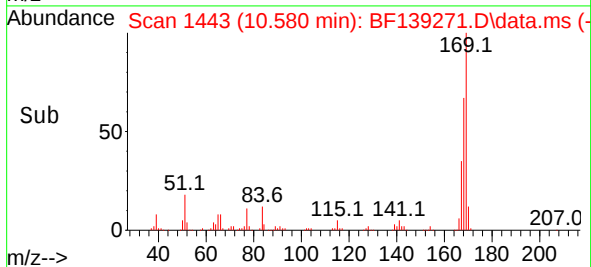
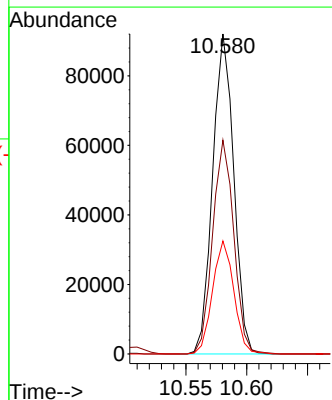
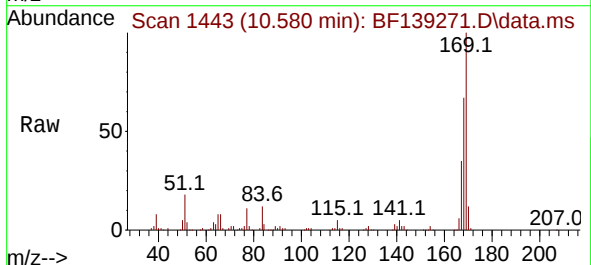
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

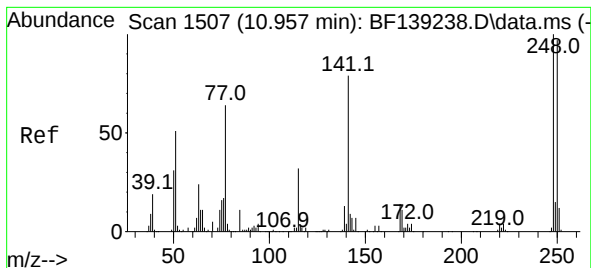
Tgt Ion:198 Resp: 9507
Ion Ratio Lower Upper
198 100
51 63.4 47.2 87.2
105 50.5 27.1 67.1



#66
n-Nitrosodiphenylamine
Concen: 9.488 ng
RT: 10.580 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

Tgt Ion:169 Resp: 111118
Ion Ratio Lower Upper
169 100
168 66.8 53.0 79.6
167 35.3 29.0 43.6

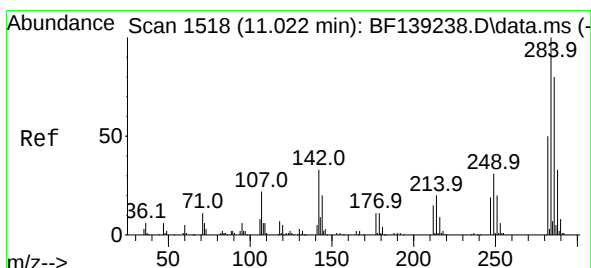
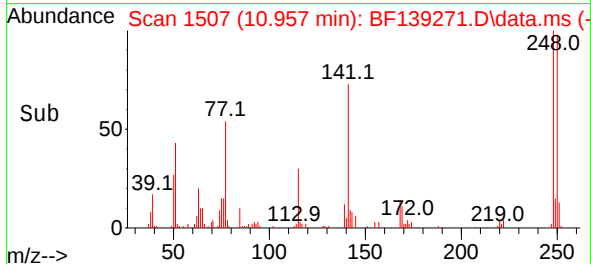
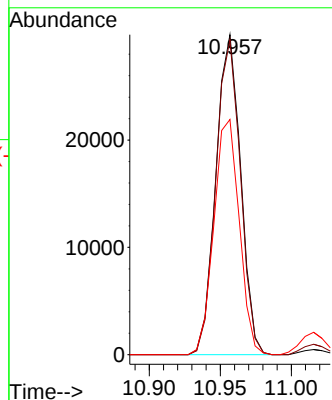
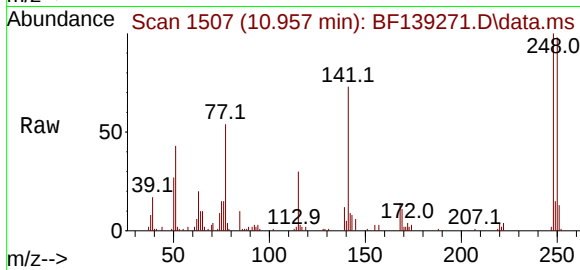




#67
4-Bromophenyl-phenylether
Concen: 9.288 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

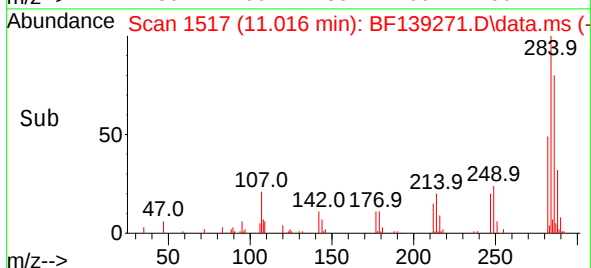
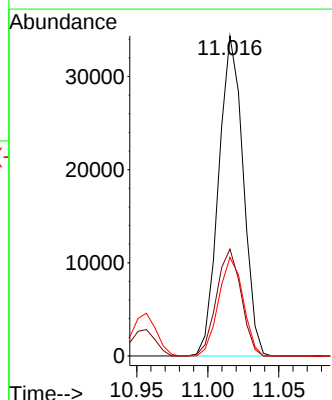
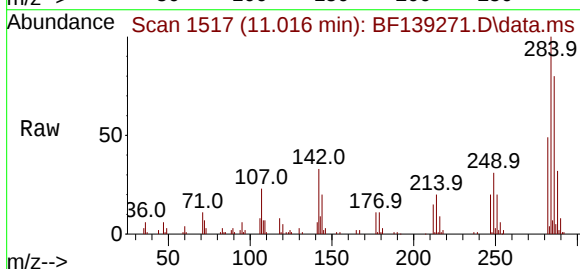
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

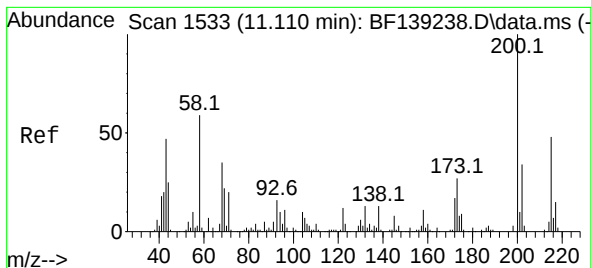
Tgt Ion:248 Resp: 36257
Ion Ratio Lower Upper
248 100
250 98.4 77.2 115.8
141 73.5 63.6 95.4



#68
Hexachlorobenzene
Concen: 9.214 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

Tgt Ion:284 Resp: 41177
Ion Ratio Lower Upper
284 100
142 33.4 26.5 39.7
249 30.8 24.8 37.2





#69

Atrazine

Concen: 11.481 ng

RT: 11.104 min Scan# 1532

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

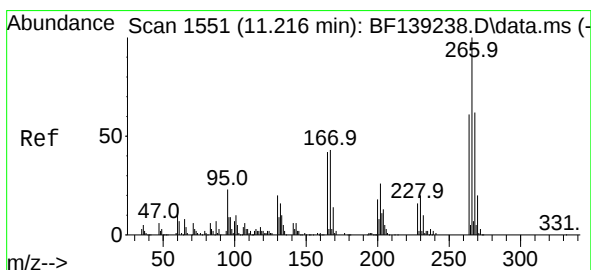
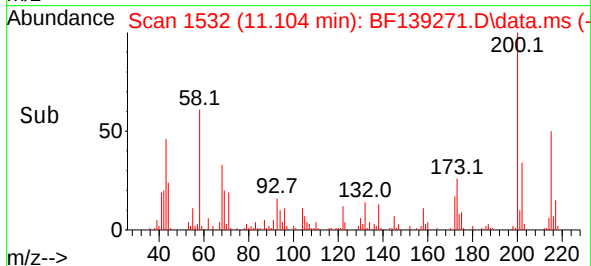
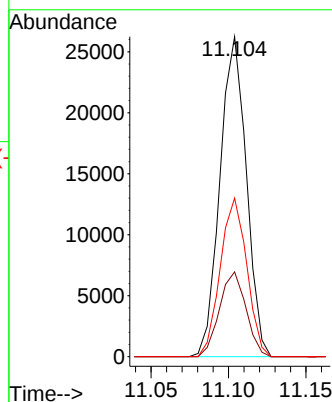
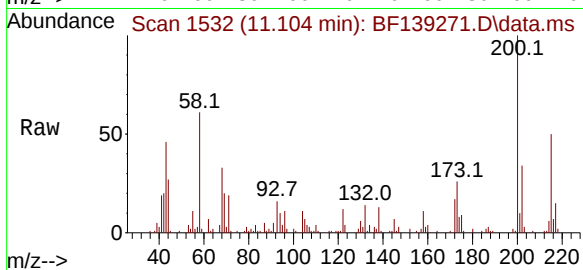
Tgt Ion:200 Resp: 31023

Ion Ratio Lower Upper

200 100

173 26.5 7.1 47.1

215 49.5 28.5 68.5



#70

Pentachlorophenol

Concen: 6.586 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

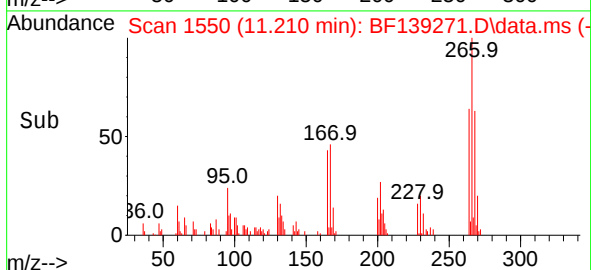
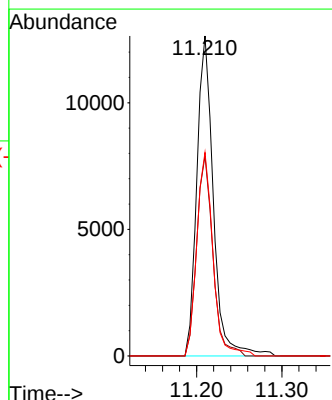
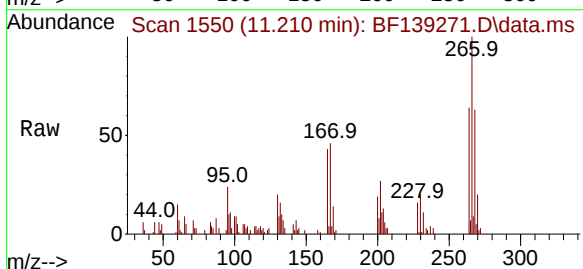
Tgt Ion:266 Resp: 17002

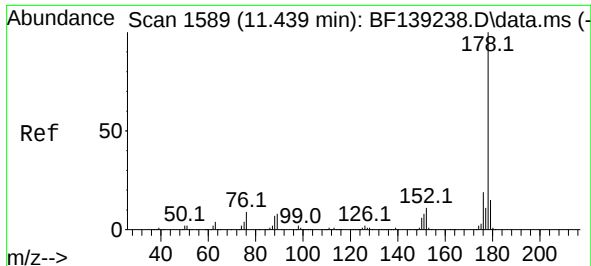
Ion Ratio Lower Upper

266 100

268 62.5 49.7 74.5

264 63.6 49.2 73.8

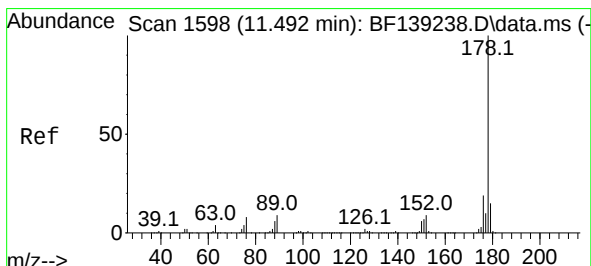
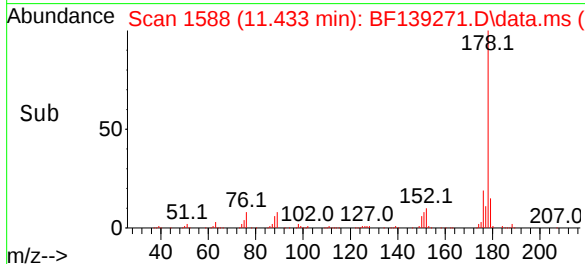
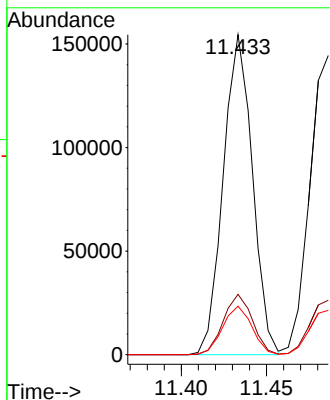
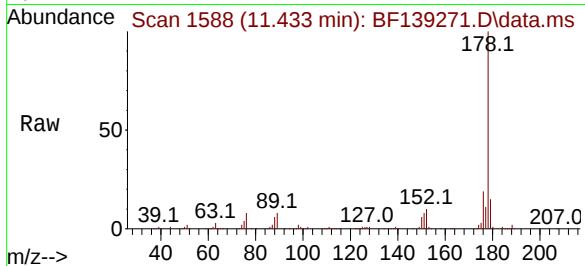




#71
Phenanthrene
Concen: 9.798 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

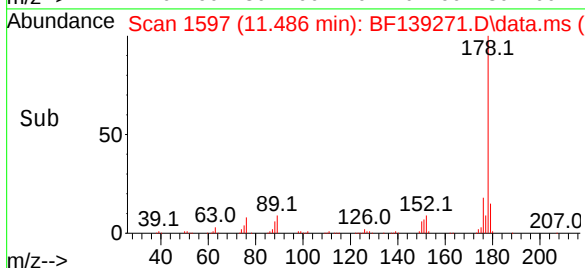
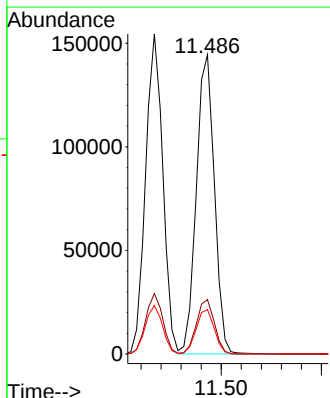
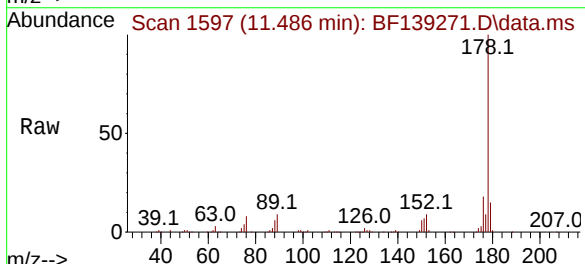
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

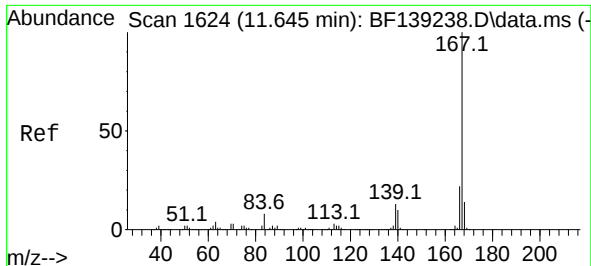
Tgt Ion:178 Resp: 184167
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.2 12.3 18.5



#72
Anthracene
Concen: 9.869 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

Tgt Ion:178 Resp: 181199
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.4
179 14.8 12.3 18.5

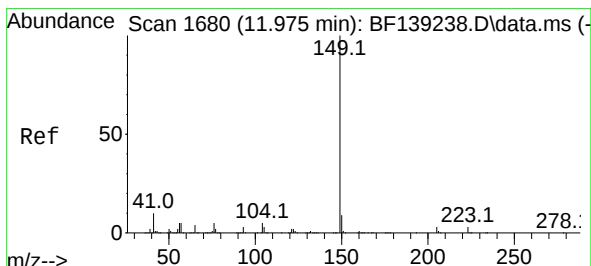
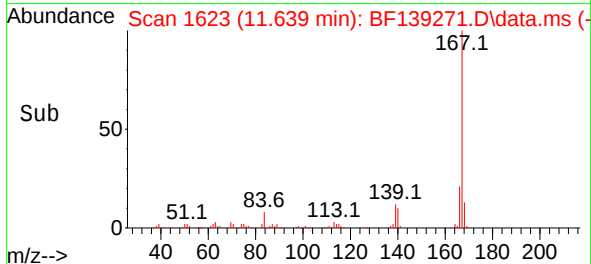
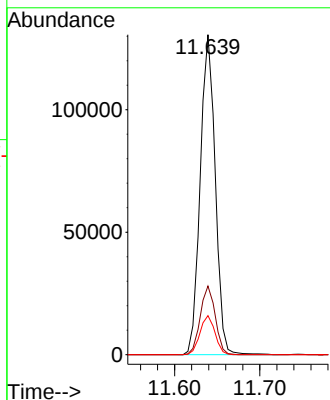
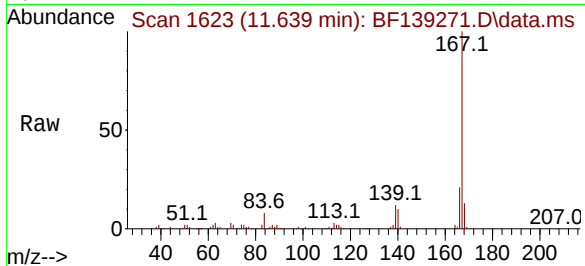




#73
Carbazole
Concen: 9.333 ng
RT: 11.639 min Scan# 1623
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

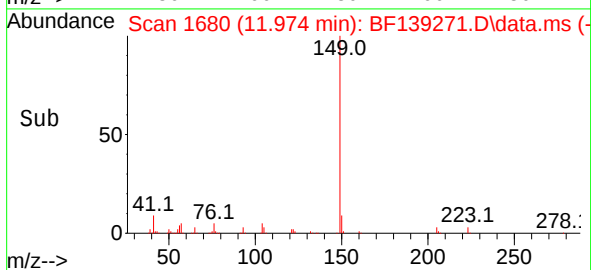
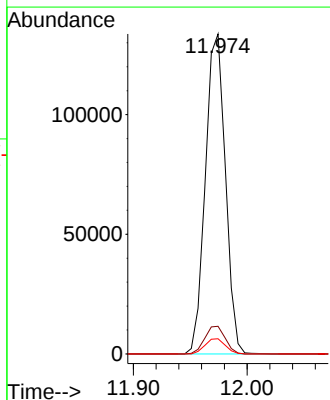
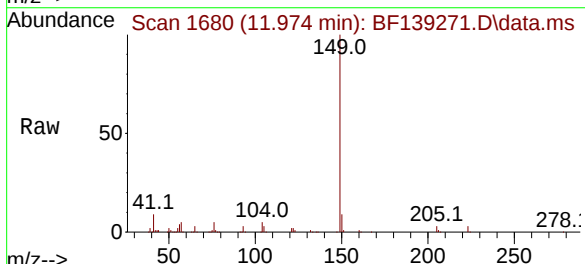
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

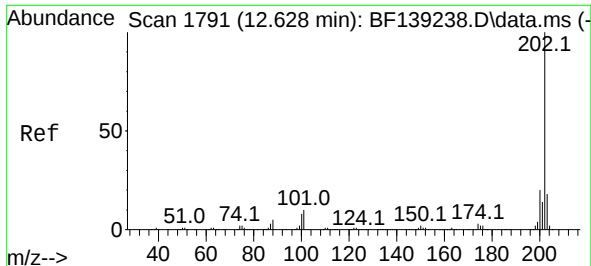
Tgt Ion:167 Resp: 160155
Ion Ratio Lower Upper
167 100
166 21.4 17.2 25.8
139 12.2 10.2 15.4



#74
Di-n-butylphthalate
Concen: 9.313 ng
RT: 11.974 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

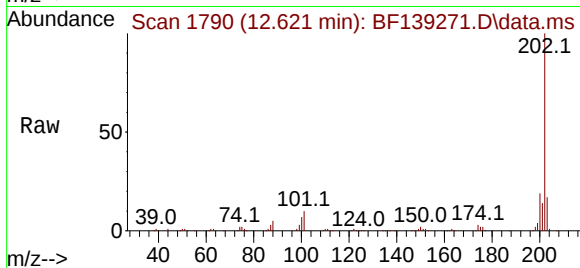
Tgt Ion:149 Resp: 163643
Ion Ratio Lower Upper
149 100
150 8.7 7.5 11.3
104 4.7 3.9 5.9



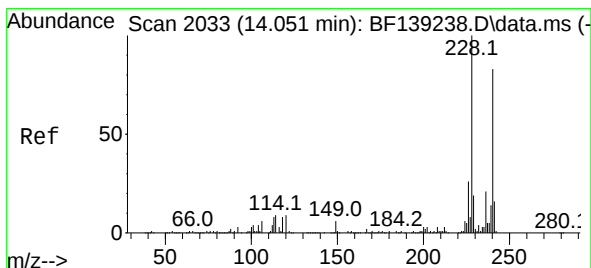
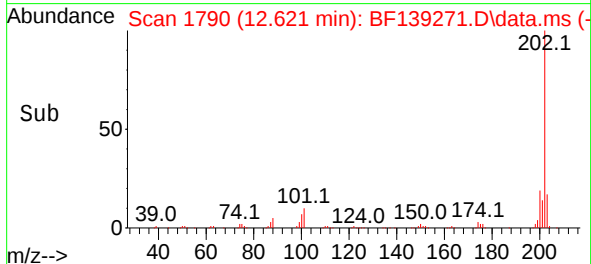
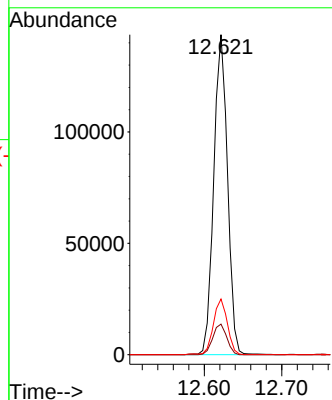


#75
Fluoranthene
Concen: 9.398 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

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

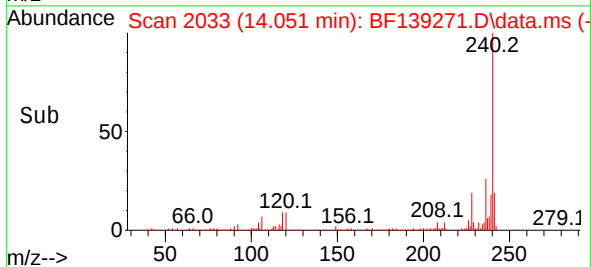
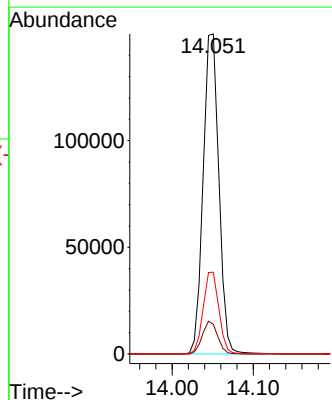
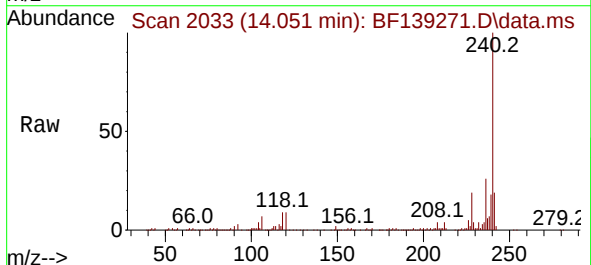


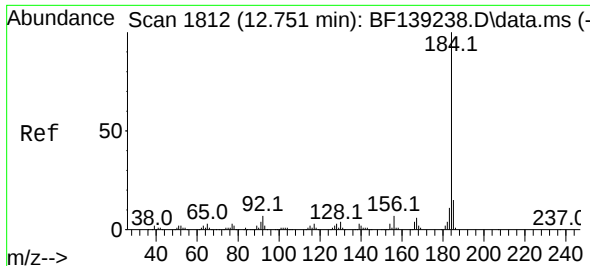
Tgt Ion:202 Resp: 177095
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.9
203 17.4 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

Tgt Ion:240 Resp: 201793
Ion Ratio Lower Upper
240 100
120 9.3 8.6 12.8
236 25.5 20.7 31.1

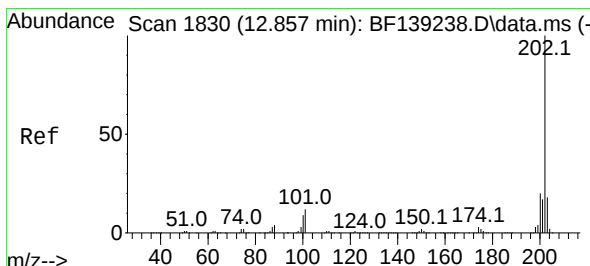
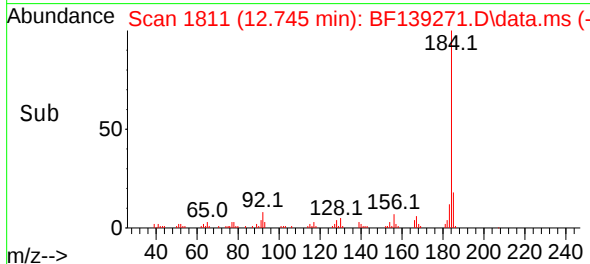
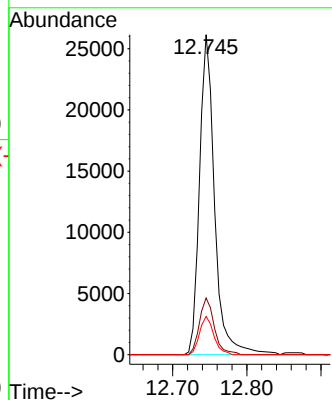
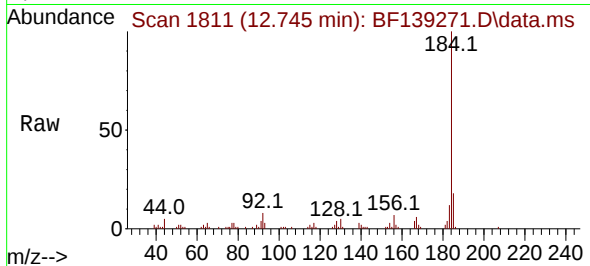




#77
Benzidine
Concen: 9.076 ng
RT: 12.745 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

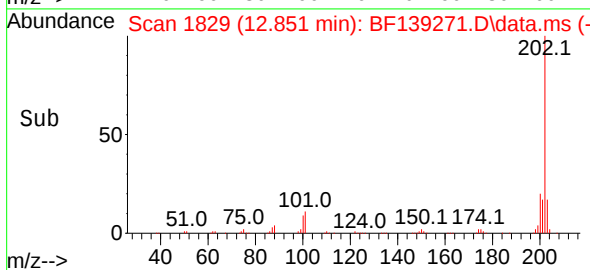
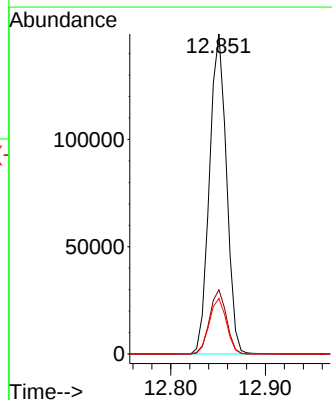
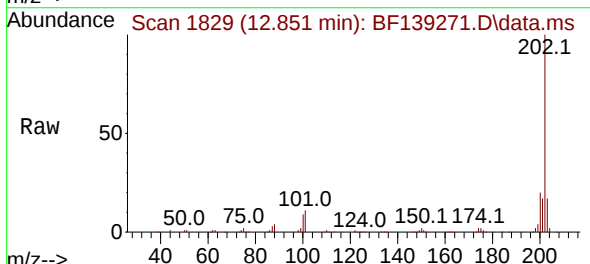
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2024

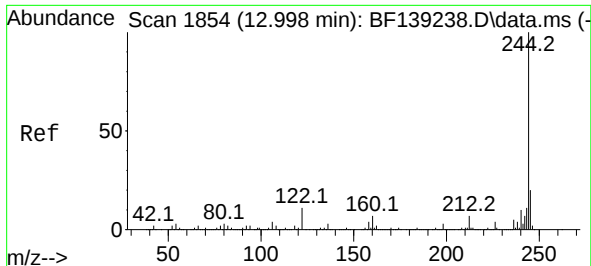
Tgt Ion:184 Resp: 36876
Ion Ratio Lower Upper
184 100
185 17.7 11.9 17.9
183 12.0 8.8 13.2



#78
Pyrene
Concen: 9.546 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

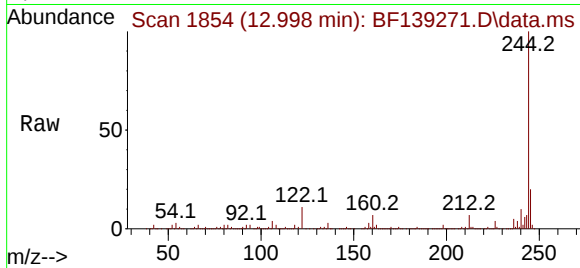
Tgt Ion:202 Resp: 186082
Ion Ratio Lower Upper
202 100
200 20.0 15.8 23.8
203 17.4 14.1 21.1



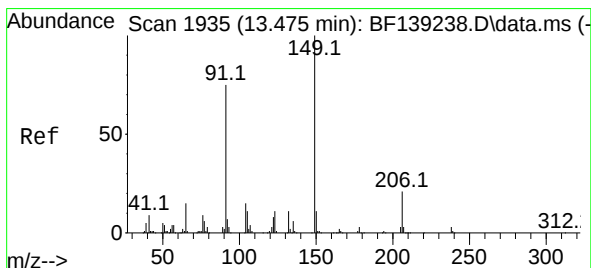
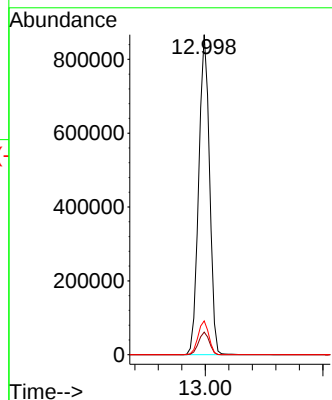
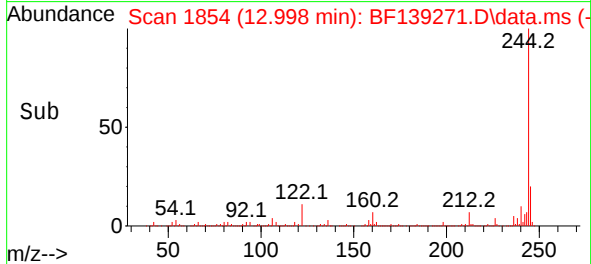


#79
 Terphenyl-d14
 Concen: 88.365 ng
 RT: 12.998 min Scan# 1854
 Delta R.T. -0.000 min
 Lab File: BF139271.D
 Acq: 06 Sep 2024 11:01

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

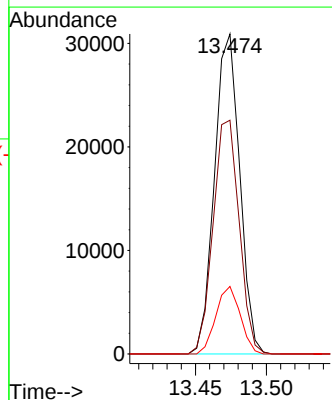
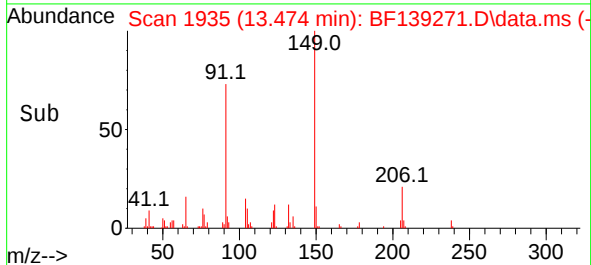
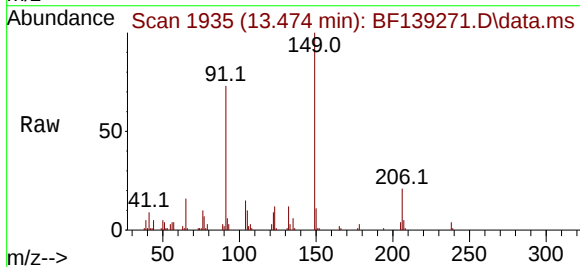


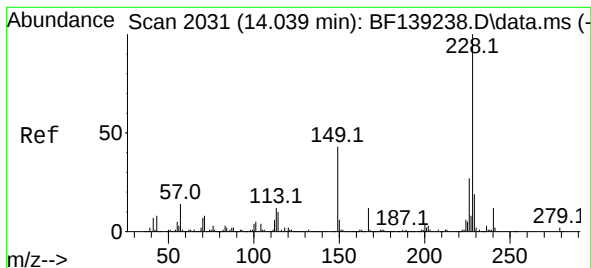
Tgt Ion:244 Resp: 1104399
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 10.6 8.7 13.1



#80
 Butylbenzylphthalate
 Concen: 8.319 ng
 RT: 13.474 min Scan# 1935
 Delta R.T. -0.000 min
 Lab File: BF139271.D
 Acq: 06 Sep 2024 11:01

Tgt Ion:149 Resp: 38177
 Ion Ratio Lower Upper
 149 100
 91 73.1 60.3 90.5
 206 21.1 16.7 25.1





#81

Benzo(a)anthracene

Concen: 9.351 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

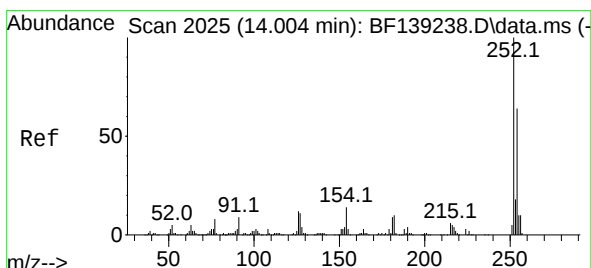
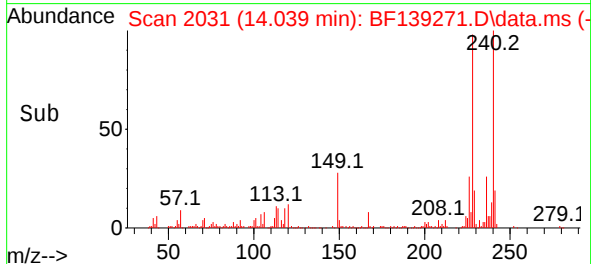
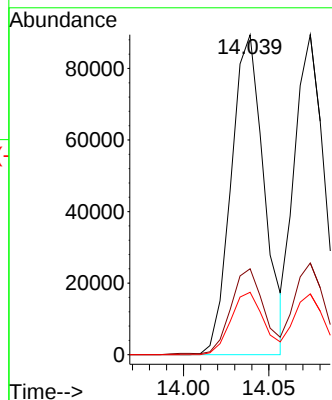
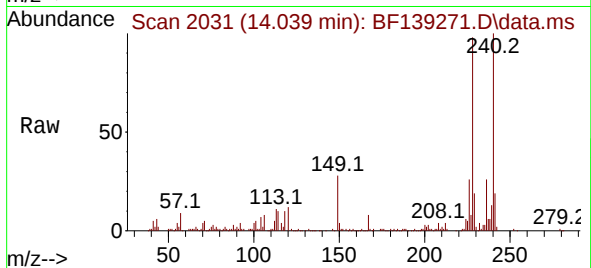
Tgt Ion:228 Resp: 120491

Ion Ratio Lower Upper

228 100

226 26.8 21.5 32.3

229 19.5 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 9.713 ng

RT: 14.004 min Scan# 2025

Delta R.T. -0.000 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

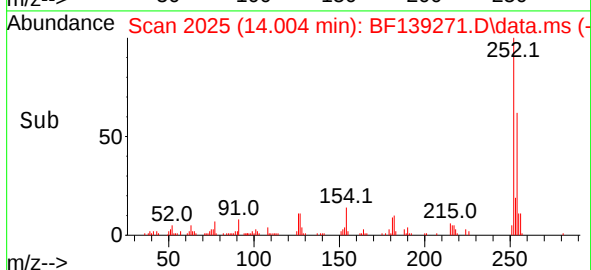
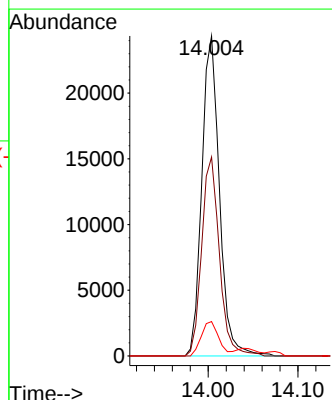
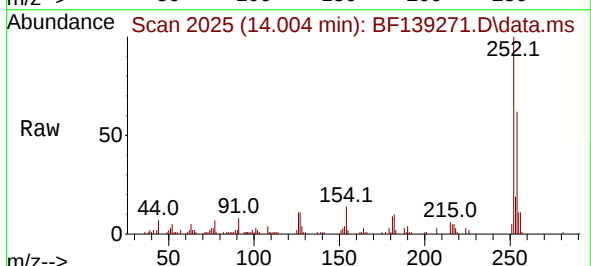
Tgt Ion:252 Resp: 33236

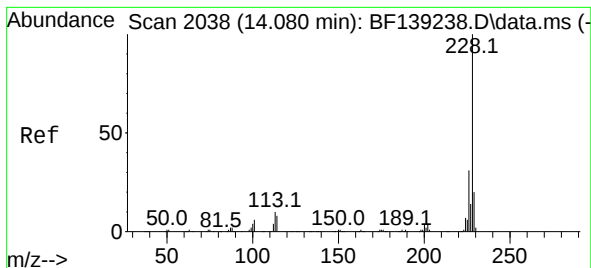
Ion Ratio Lower Upper

252 100

254 62.1 51.5 77.3

126 10.8 9.2 13.8





#83

Chrysene

Concen: 9.149 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

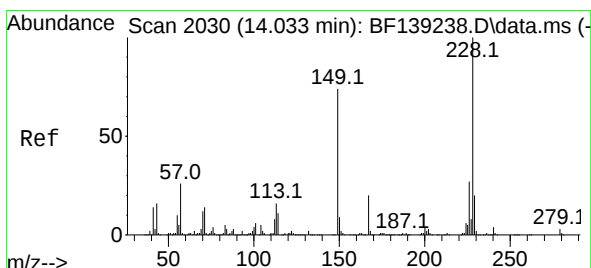
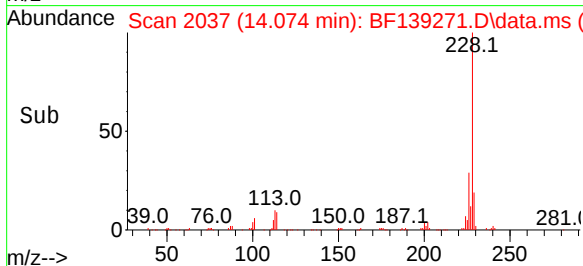
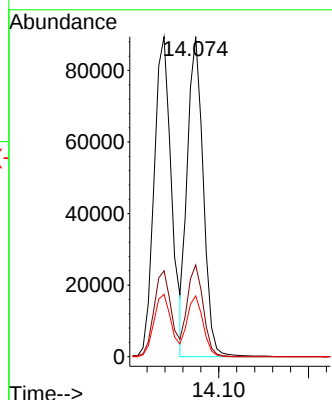
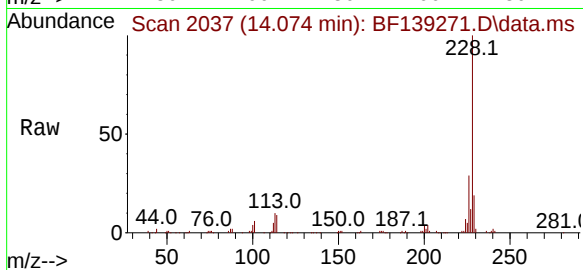
Tgt Ion:228 Resp: 110023

Ion Ratio Lower Upper

228 100

226 28.7 23.8 35.8

229 19.0 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.738 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

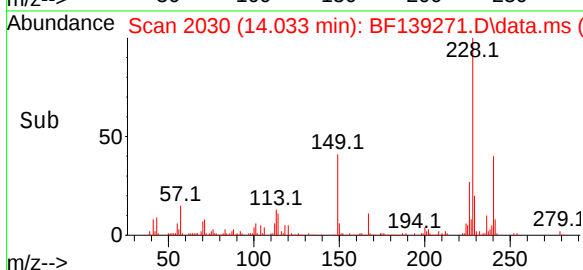
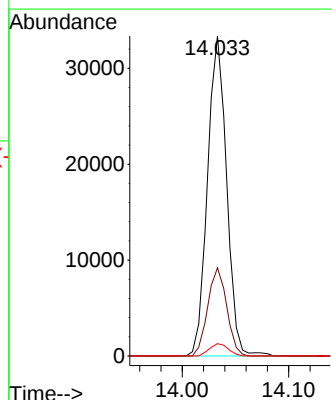
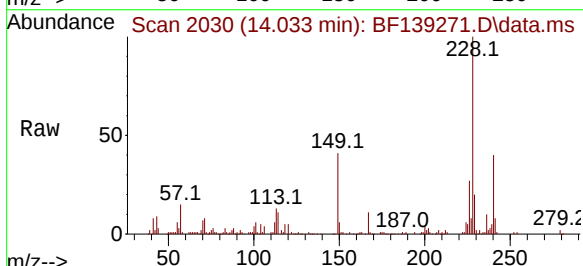
Tgt Ion:149 Resp: 41677

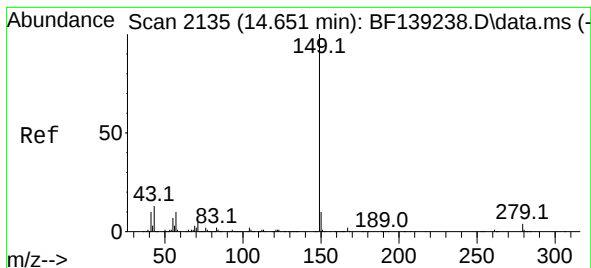
Ion Ratio Lower Upper

149 100

167 27.6 21.8 32.6

279 3.9 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 6.656 ng

RT: 14.645 min Scan# 2135

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

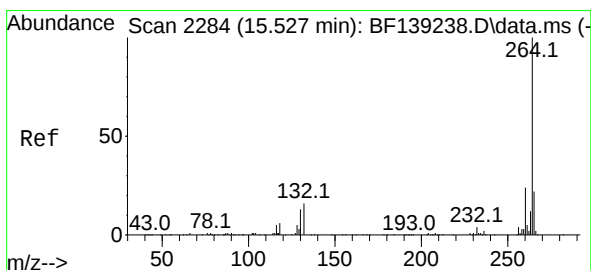
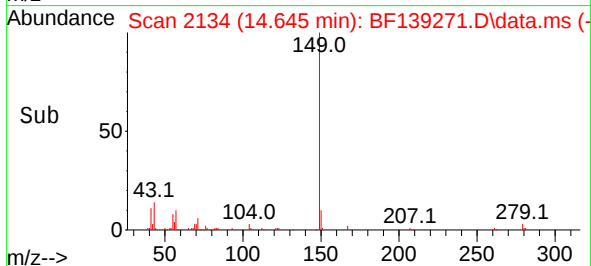
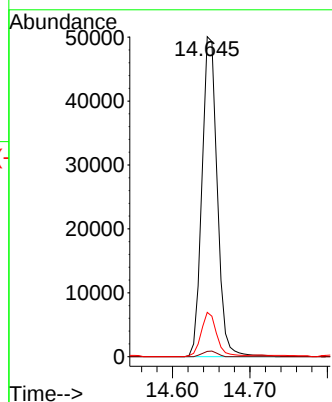
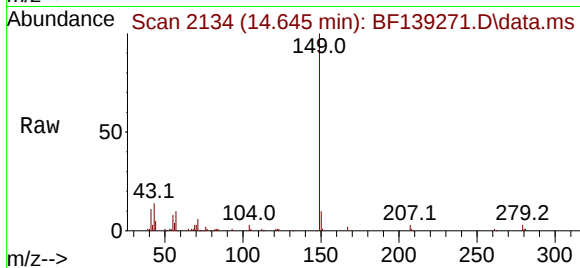
Tgt Ion:149 Resp: 68637

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 14.2 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: BF139271.D

Acq: 06 Sep 2024 11:01

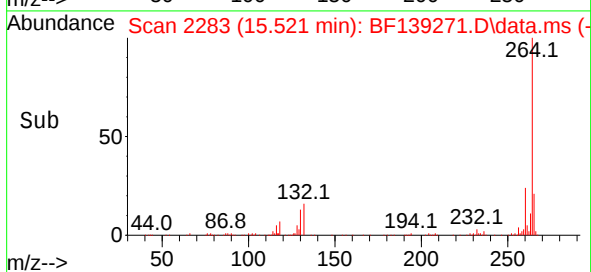
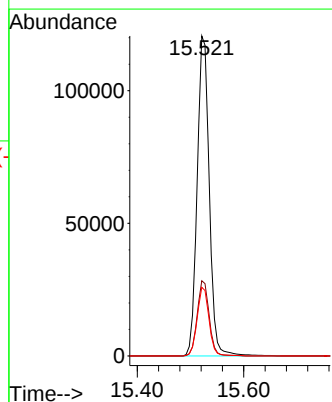
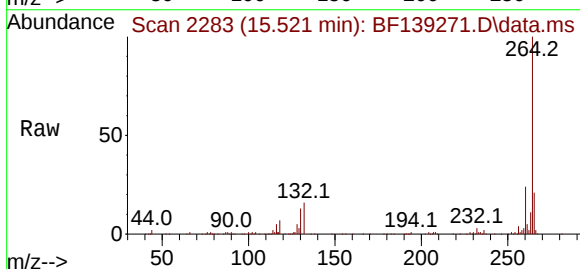
Tgt Ion:264 Resp: 189914

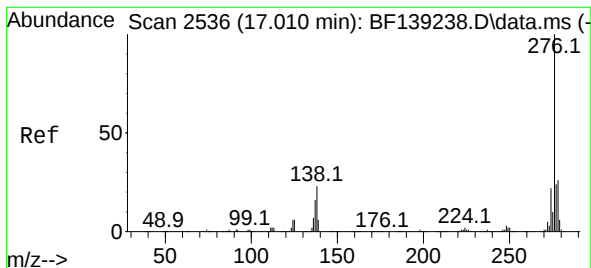
Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 21.5 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.520 ng

RT: 16.998 min Scan# 2110

Delta R.T. -0.012 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024

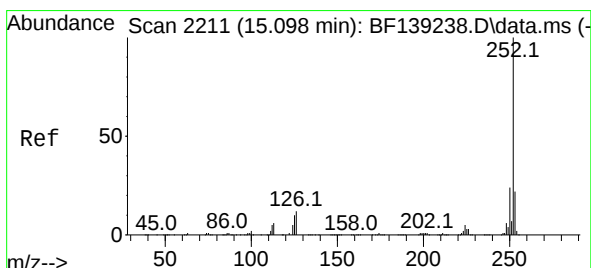
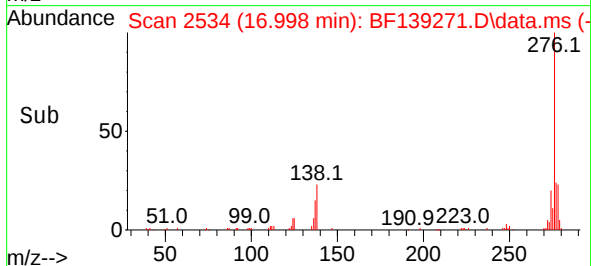
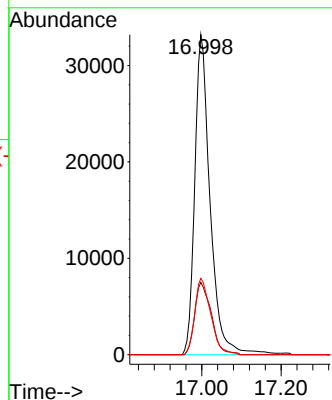
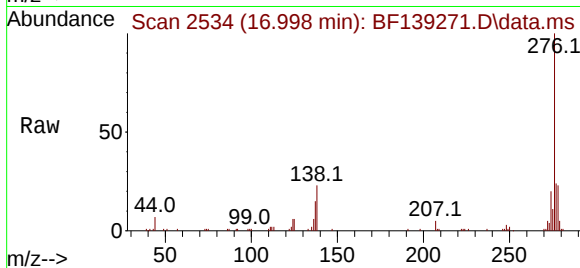
Tgt Ion:276 Resp: 89224

Ion Ratio Lower Upper

276 100

138 24.4 20.4 30.6

277 24.7 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 8.785 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

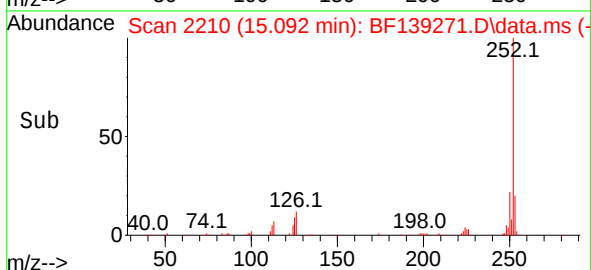
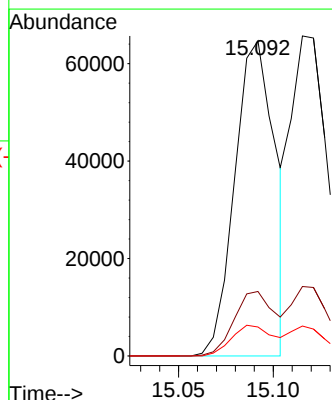
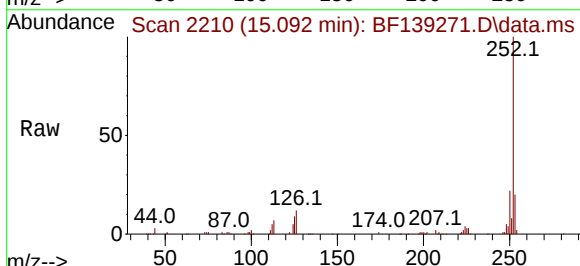
Tgt Ion:252 Resp: 96083

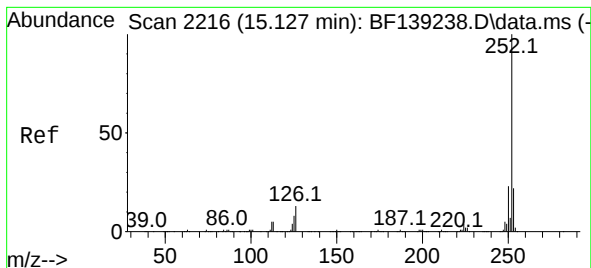
Ion Ratio Lower Upper

252 100

253 20.5 17.6 26.4

125 9.2 7.6 11.4





#89

Benzo(k)fluoranthene

Concen: 9.666 ng

RT: 15.115 min Scan# 2214

Delta R.T. -0.012 min

Lab File: BF139271.D

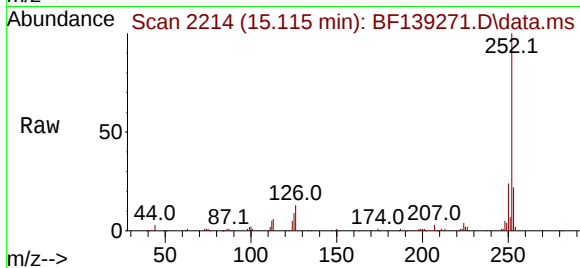
Acq: 06 Sep 2024 11:01

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2024



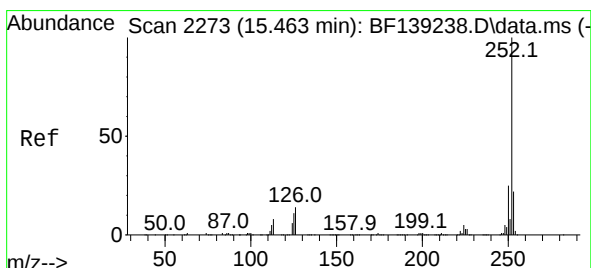
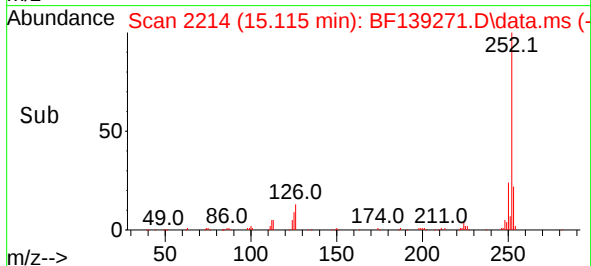
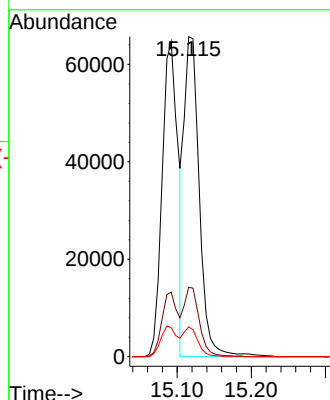
Tgt Ion:252 Resp: 94792

Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

125 9.4 7.2 10.8



#90

Benzo(a)pyrene

Concen: 9.399 ng

RT: 15.457 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF139271.D

Acq: 06 Sep 2024 11:01

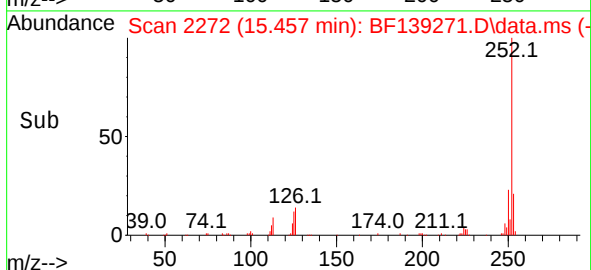
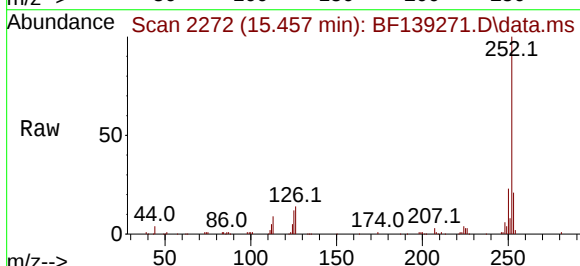
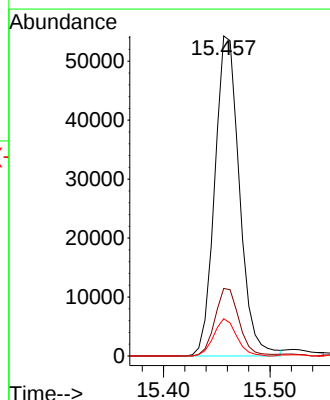
Tgt Ion:252 Resp: 87293

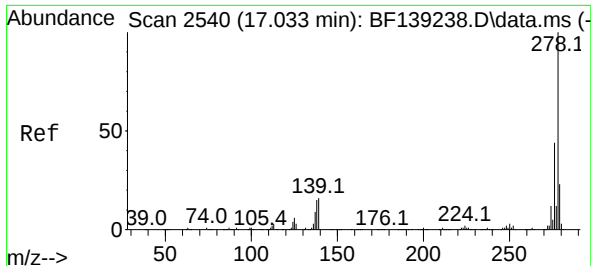
Ion Ratio Lower Upper

252 100

253 21.1 17.5 26.3

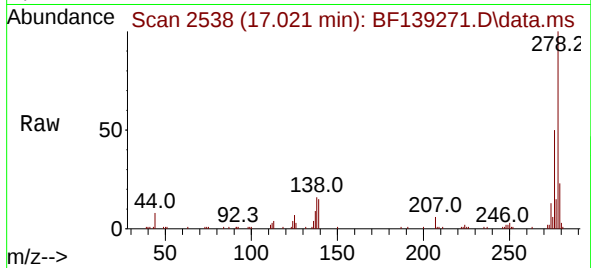
125 11.6 8.6 13.0



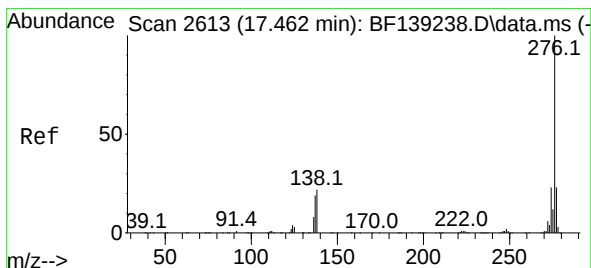
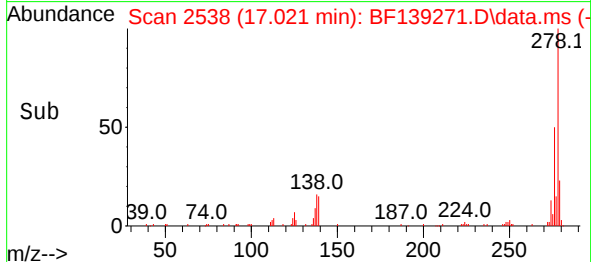
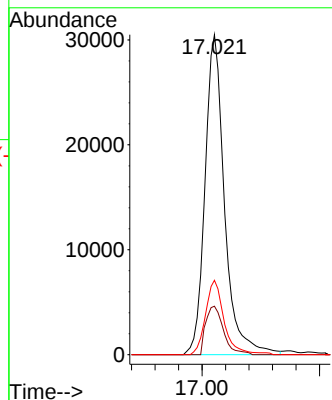


#91
Dibenzo(a,h)anthracene
Concen: 7.195 ng
RT: 17.021 min Scan# 2538
Delta R.T. -0.012 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

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



Tgt Ion:278 Resp: 70348
Ion Ratio Lower Upper
278 100
139 15.1 12.6 19.0
279 23.3 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 6.880 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.018 min
Lab File: BF139271.D
Acq: 06 Sep 2024 11:01

Tgt Ion:276 Resp: 69430
Ion Ratio Lower Upper
276 100
277 23.7 18.6 27.8
138 20.7 17.4 26.0

