

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090524\
 Data File : BF139262.D
 Acq On : 05 Sep 2024 17:25
 Operator : RC/JU
 Sample : P2403-01
 Misc : LOD-MDL-SOIL-8 ng
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

Quant Time: Sep 05 17:54:18 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	113163	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	417052	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	227568	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	410152	20.000	ng	0.00
76) Chrysene-d12	14.045	240	205994	20.000	ng	0.00
86) Perylene-d12	15.521	264	186028	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	875864	129.477	ng	0.00
7) Phenol-d6	6.516	99	1166957	129.222	ng	0.00
23) Nitrobenzene-d5	7.451	82	755933	94.295	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	257187	130.878	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1322279	89.693	ng	0.00
79) Terphenyl-d14	12.998	244	1109321	86.949	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.675	88	27685	8.788	ng	96
3) Pyridine	3.457	79	63733	8.381	ng	98
4) n-Nitrosodimethylamine	3.369	42	42988	8.706	ng	97
6) Aniline	6.551	93	90958	10.953	ng	97
8) 2-Chlorophenol	6.669	128	65300	9.314	ng	86
9) Benzaldehyde	6.440	77	58628	10.725	ng	99
10) Phenol	6.528	94	90788	9.531	ng	90
11) bis(2-Chloroethyl)ether	6.622	93	65477	9.595	ng	97
12) 1,3-Dichlorobenzene	6.828	146	72283	9.109	ng	99
13) 1,4-Dichlorobenzene	6.904	146	74014	9.319	ng	97
14) 1,2-Dichlorobenzene	7.057	146	67518	9.115	ng	100
15) Benzyl Alcohol	7.022	79	69293	10.522	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	122861	9.457	ng	99
17) 2-Methylphenol	7.128	107	51548	9.001	ng	98
18) Hexachloroethane	7.398	117	24698	8.707	ng	98
19) n-Nitroso-di-n-propyla...	7.292	70	48805	9.384	ng	99
20) 3+4-Methylphenols	7.281	107	68090	9.434	ng	92
22) Acetophenone	7.292	105	93337	9.394	ng	94
24) Nitrobenzene	7.469	77	74583	8.765	ng	99
25) Isophorone	7.698	82	128681	9.389	ng	99
26) 2-Nitrophenol	7.781	139	29221	8.744	ng	99
27) 2,4-Dimethylphenol	7.816	122	37768	7.924	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	76029	9.311	ng	97
29) 2,4-Dichlorophenol	8.022	162	52216	9.150	ng	98
30) 1,2,4-Trichlorobenzene	8.110	180	59084	9.065	ng	98
31) Naphthalene	8.192	128	192152	9.098	ng	99
32) Benzoic acid	7.869	122	20023	4.612	ng	97
33) 4-Chloroaniline	8.234	127	72546	9.920	ng	98
34) Hexachlorobutadiene	8.310	225	35543	8.606	ng	99
35) Caprolactam	8.569	113	14420	8.162	ng	98
36) 4-Chloro-3-methylphenol	8.710	107	54658	8.789	ng	95
37) 2-Methylnaphthalene	8.881	142	122180	9.246	ng	99
38) 1-Methylnaphthalene	8.981	142	112995	8.695	ng	97
40) 1,2,4,5-Tetrachloroben...	9.045	216	59823	9.291	ng	98
41) Hexachlorocyclopentadiene	9.034	237	17426	8.422	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	37119	8.811	ng	99

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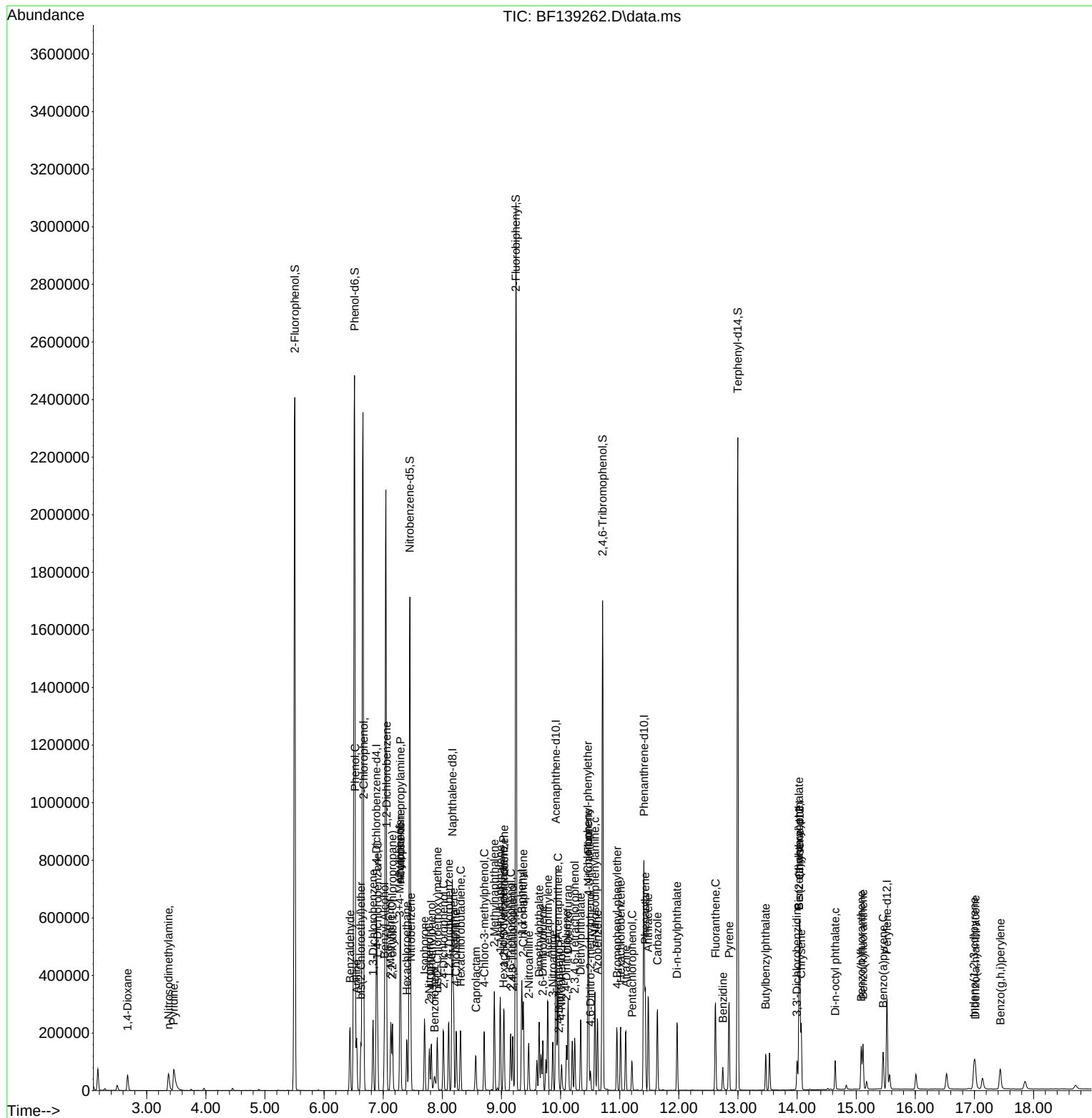
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	36417	8.249	ng	97
46) 1,1'-Biphenyl	9.345	154	159559	9.463	ng	100
47) 2-Chloronaphthalene	9.369	162	113432	8.910	ng	98
48) 2-Nitroaniline	9.463	65	37665	8.589	ng	99
49) Acenaphthylene	9.786	152	188521	9.832	ng	100
50) Dimethylphthalate	9.639	163	125745	9.117	ng	100
51) 2,6-Dinitrotoluene	9.698	165	26758	8.551	ng	98
52) Acenaphthene	9.957	154	111484	8.766	ng	98
53) 3-Nitroaniline	9.869	138	28677	8.602	ng	99
54) 2,4-Dinitrophenol	9.975	184	4881	10.223	ng	# 69
55) Dibenzofuran	10.128	168	172032	9.435	ng	98
56) 4-Nitrophenol	10.016	139	17131	6.962	ng	98
57) 2,4-Dinitrotoluene	10.098	165	33719	8.466	ng	99
58) Fluorene	10.469	166	132253	9.355	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	30327	8.727	ng	96
60) Diethylphthalate	10.339	149	122014	8.989	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	62740	9.203	ng	100
62) 4-Nitroaniline	10.475	138	25720	8.105	ng	97
63) Azobenzene	10.622	77	127133	8.887	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	10204	5.384	ng	97
66) n-Nitrosodiphenylamine	10.580	169	113468	9.504	ng	98
67) 4-Bromophenyl-phenylether	10.957	248	35492	8.919	ng	97
68) Hexachlorobenzene	11.016	284	40577	8.907	ng	99
69) Atrazine	11.104	200	31154	11.310	ng	98
70) Pentachlorophenol	11.210	266	16409	6.236	ng	95
71) Phenanthrene	11.433	178	182554	9.528	ng	99
72) Anthracene	11.480	178	181582	9.701	ng	98
73) Carbazole	11.639	167	161783	9.248	ng	98
74) Di-n-butylphthalate	11.969	149	162398	9.066	ng	99
75) Fluoranthene	12.621	202	179004	9.319	ng	98
77) Benzidine	12.745	184	44242	10.666	ng	96
78) Pyrene	12.851	202	180679	9.080	ng	99
80) Butylbenzylphthalate	13.469	149	37916	8.094	ng	98
81) Benzo(a)anthracene	14.033	228	115765	8.801	ng	98
82) 3,3'-Dichlorobenzidine	13.998	252	31012	8.878	ng	99
83) Chrysene	14.068	228	112910	9.197	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	42301	7.693	ng	99
85) Di-n-octyl phthalate	14.645	149	63771	6.058	ng	# 99
87) Indeno(1,2,3-cd)pyrene	16.992	276	83790	7.210	ng	99
88) Benzo(b)fluoranthene	15.086	252	87929	8.207	ng	99
89) Benzo(k)fluoranthene	15.115	252	97147	10.113	ng	98
90) Benzo(a)pyrene	15.457	252	81872	9.000	ng	98
91) Dibenzo(a,h)anthracene	17.015	278	64495	6.734	ng	99
92) Benzo(g,h,i)perylene	17.439	276	66519	6.729	ng	97

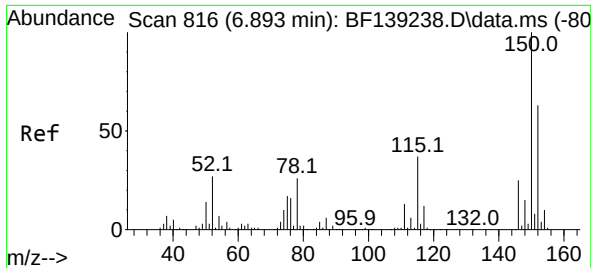
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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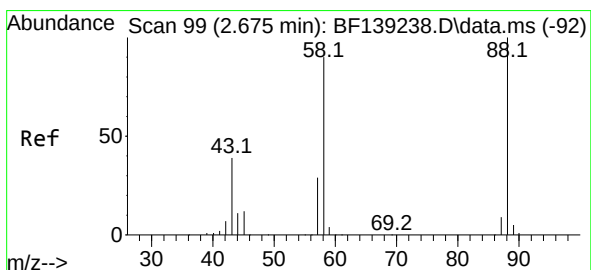
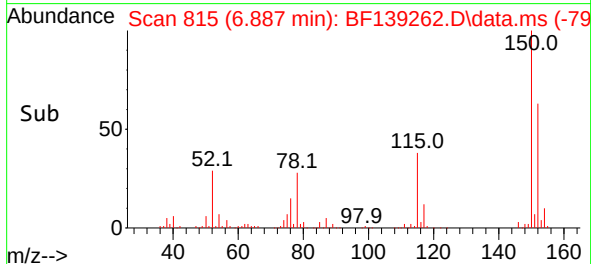
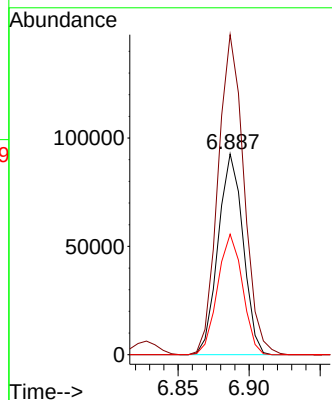
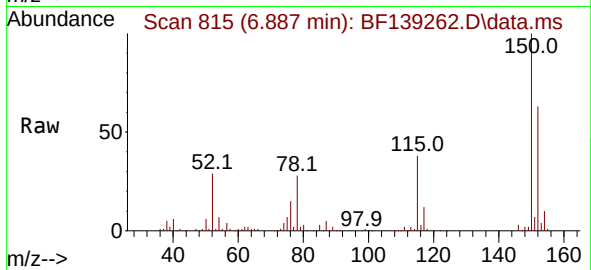




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 816
 Delta R.T. -0.006 min
 Lab File: BF139262.D
 Acq: 05 Sep 2024 17:25

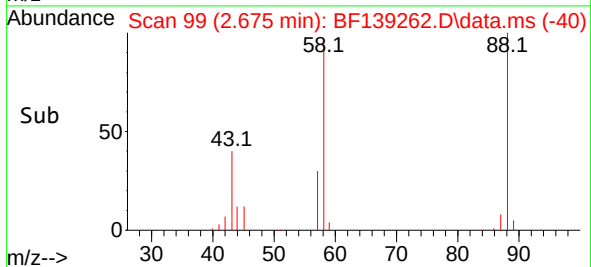
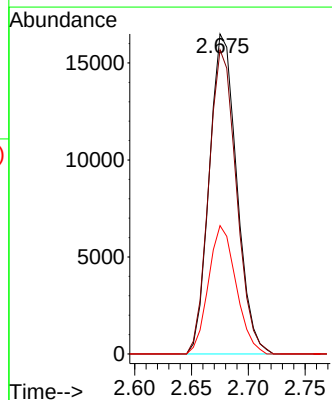
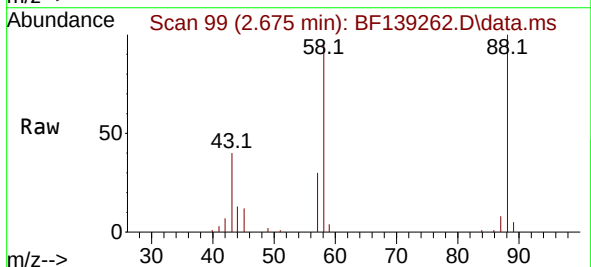
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

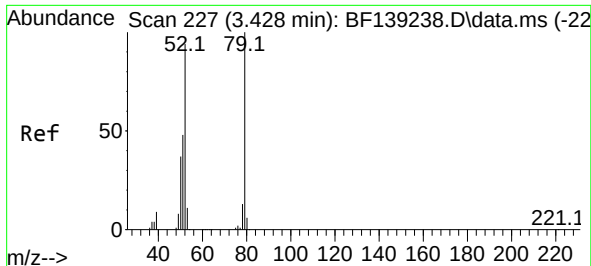
Tgt Ion:152 Resp: 113163
 Ion Ratio Lower Upper
 152 100
 150 159.3 127.0 190.4
 115 60.0 46.9 70.3



#2
 1,4-Dioxane
 Concen: 8.788 ng
 RT: 2.675 min Scan# 99
 Delta R.T. -0.000 min
 Lab File: BF139262.D
 Acq: 05 Sep 2024 17:25

Tgt Ion: 88 Resp: 27685
 Ion Ratio Lower Upper
 88 100
 58 95.9 72.5 108.7
 43 40.4 31.4 47.2





#3

Pyridine

Concen: 8.381 ng

RT: 3.457 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

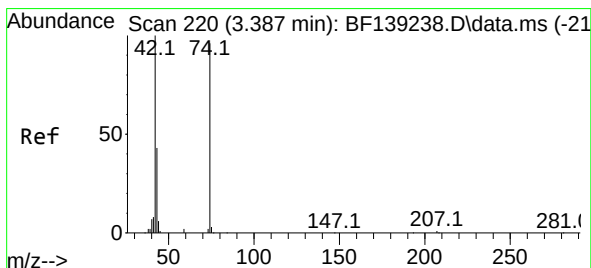
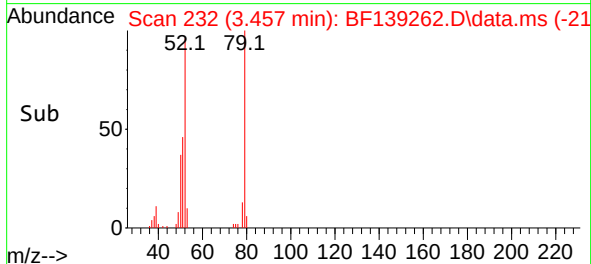
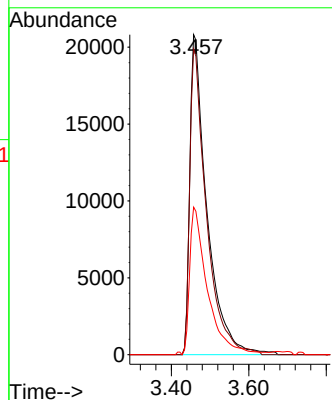
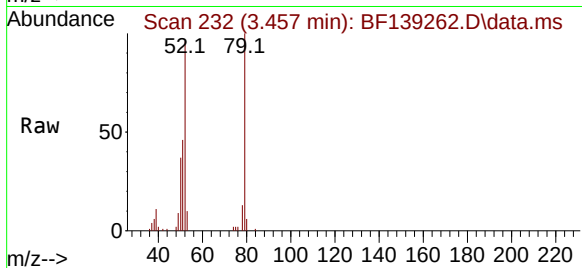
Tgt Ion: 79 Resp: 63733

Ion Ratio Lower Upper

79 100

52 95.5 75.3 112.9

51 46.1 38.2 57.2



#4

n-Nitrosodimethylamine

Concen: 8.706 ng

RT: 3.369 min Scan# 217

Delta R.T. -0.018 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

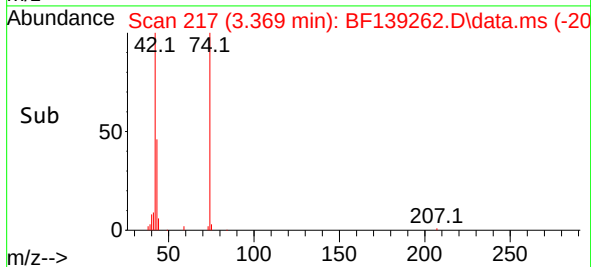
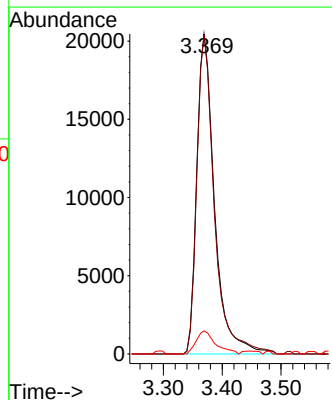
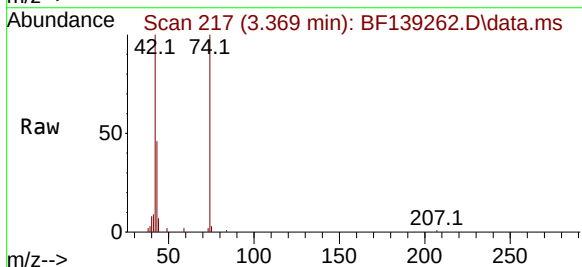
Tgt Ion: 42 Resp: 42988

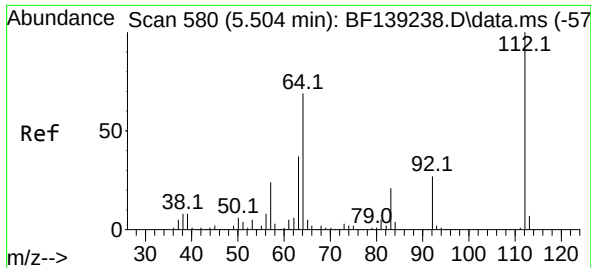
Ion Ratio Lower Upper

42 100

74 99.8 77.2 115.8

44 7.2 5.1 7.7

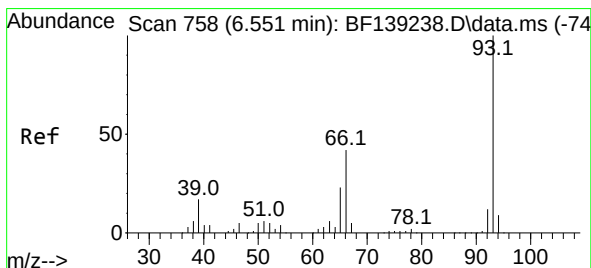
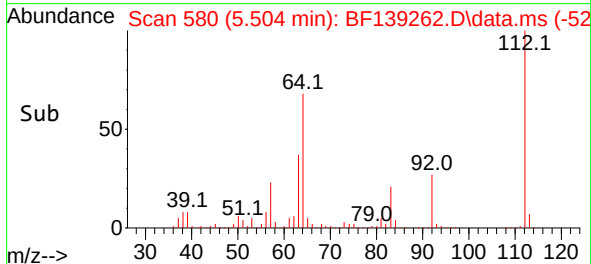
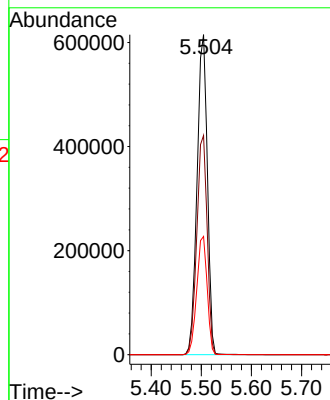
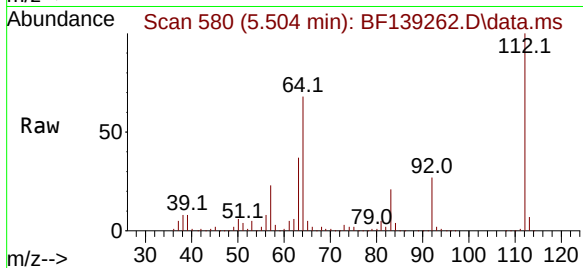




#5
2-Fluorophenol
Concen: 129.477 ng
RT: 5.504 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

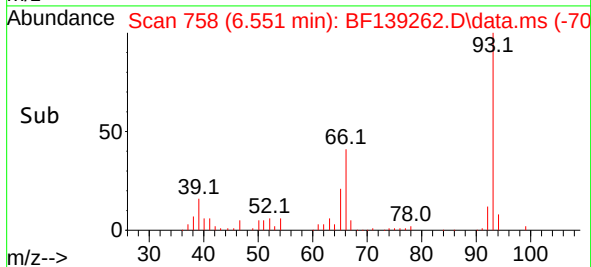
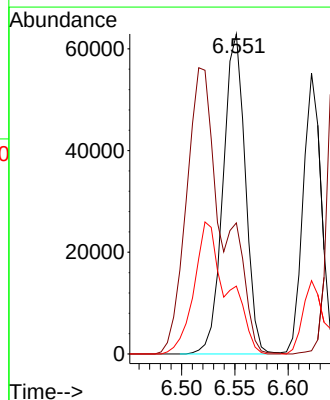
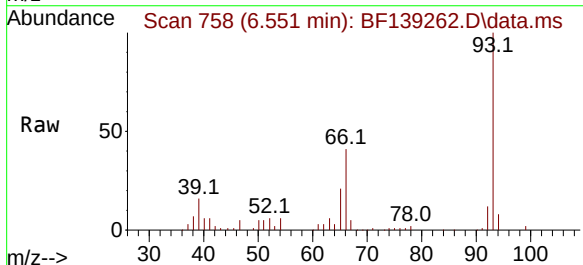
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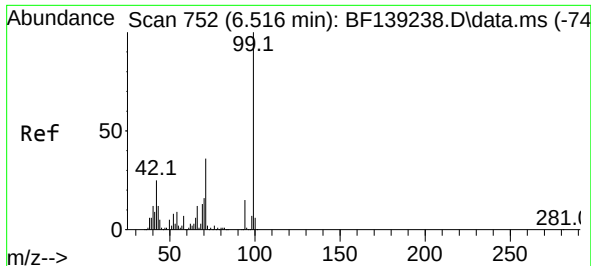
Tgt Ion:112 Resp: 875864
Ion Ratio Lower Upper
112 100
64 68.5 55.0 82.4
63 37.0 29.9 44.9



#6
Aniline
Concen: 10.953 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.000 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Tgt Ion: 93 Resp: 90958
Ion Ratio Lower Upper
93 100
66 40.9 34.4 51.6
65 21.2 18.2 27.4



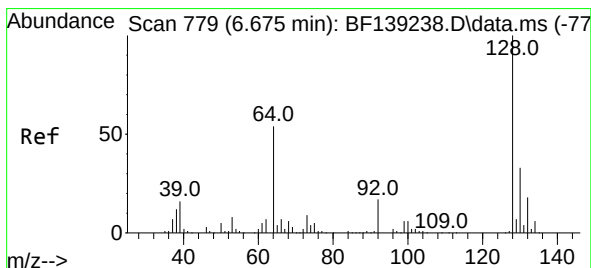
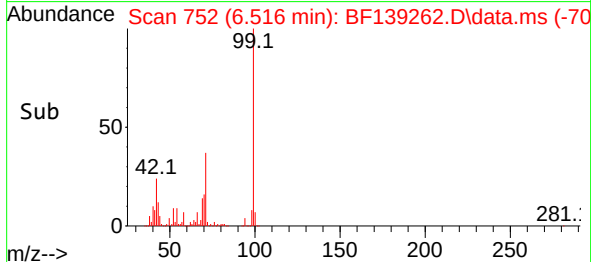
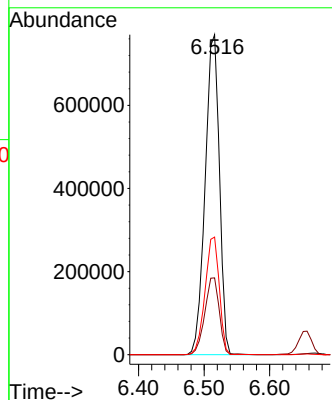
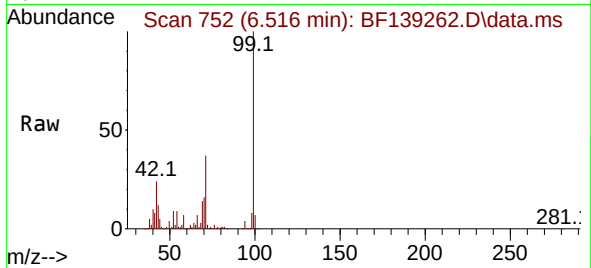


#7
Phenol-d6
Concen: 129.222 ng
RT: 6.516 min Scan# 715
Delta R.T. -0.000 min
Lab File: BF139262.D
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Tgt Ion: 99 Resp: 1166957

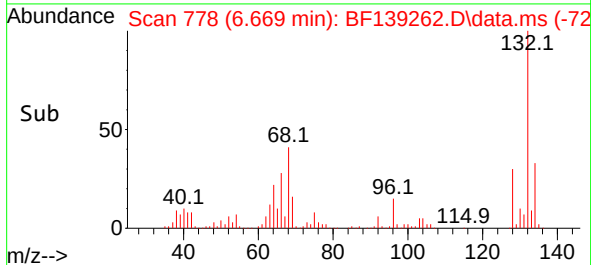
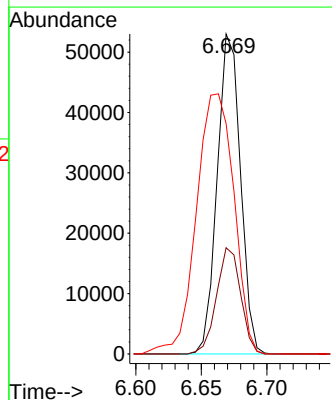
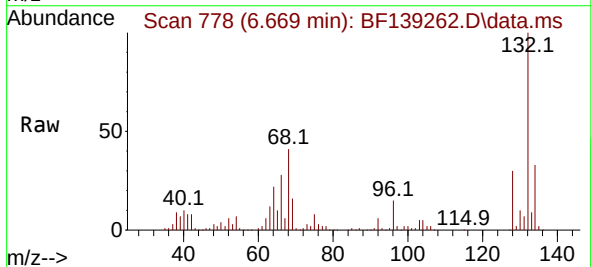
Ion	Ratio	Lower	Upper
99	100		
42	24.0	19.8	29.6
71	36.8	28.8	43.2

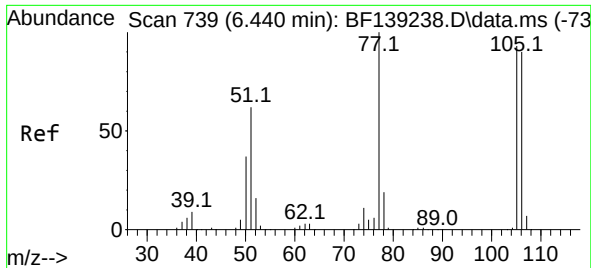


#8
2-Chlorophenol
Concen: 9.314 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Tgt Ion:128 Resp: 65300

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.7	52.7
64	72.0	36.6	76.6





#9

Benzaldehyde

Concen: 10.725 ng

RT: 6.440 min Scan# 710

Delta R.T. -0.000 min

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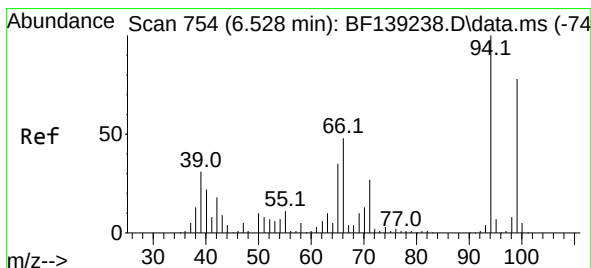
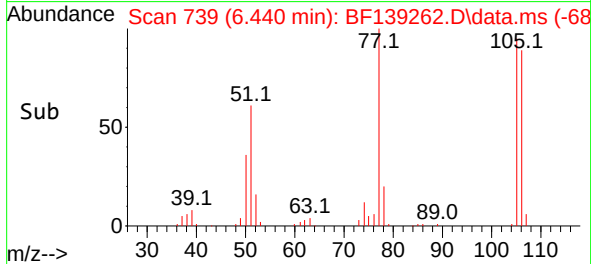
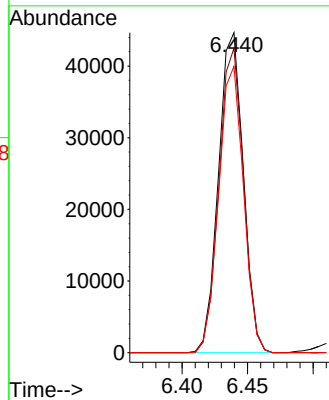
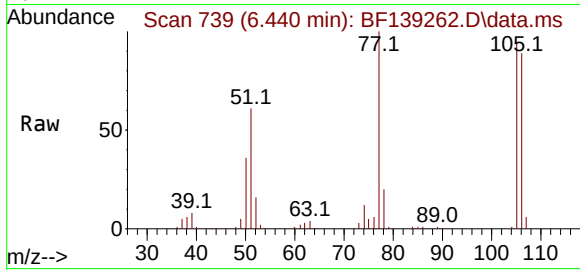
Tgt Ion: 77 Resp: 58628

Ion Ratio Lower Upper

77 100

105 95.2 72.9 112.9

106 89.5 69.6 109.6



#10

Phenol

Concen: 9.531 ng

RT: 6.528 min Scan# 754

Delta R.T. -0.000 min

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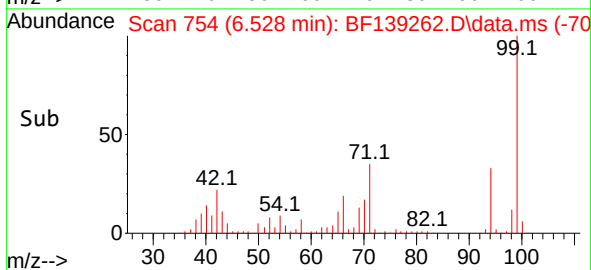
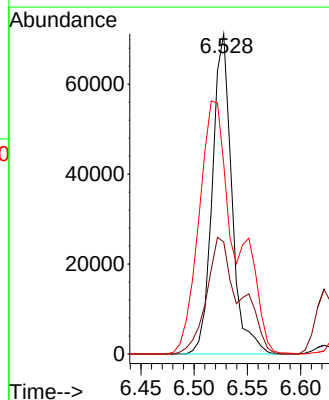
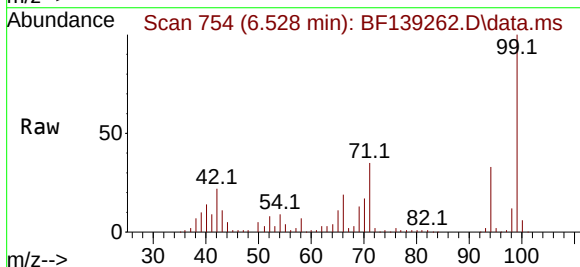
Tgt Ion: 94 Resp: 90788

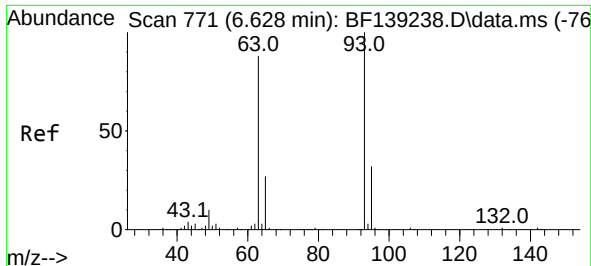
Ion Ratio Lower Upper

94 100

65 35.0 14.7 54.7

66 59.4 28.5 68.5

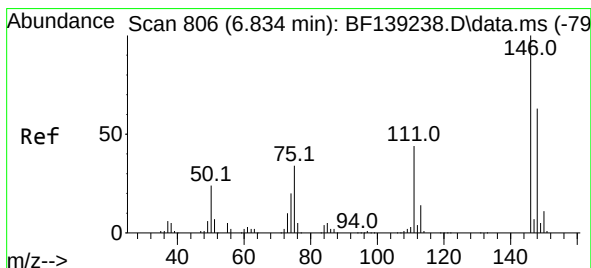
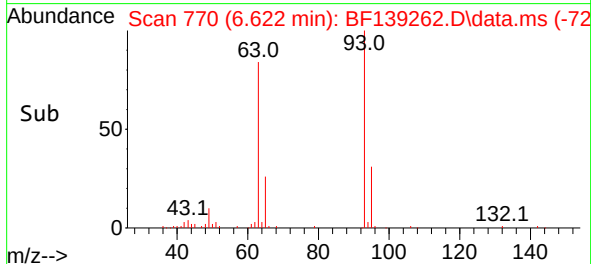
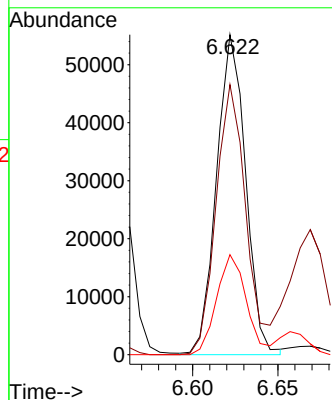
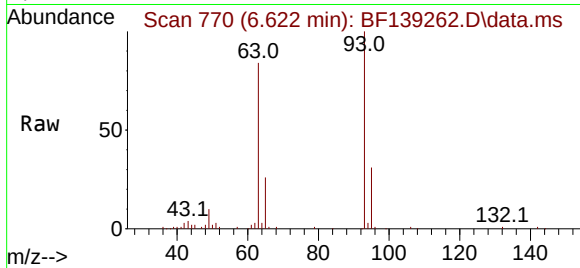




#11
bis(2-Chloroethyl)ether
Concen: 9.595 ng
RT: 6.622 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

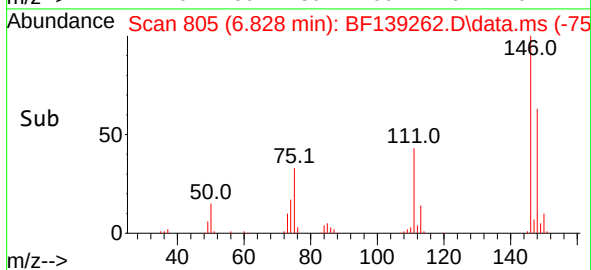
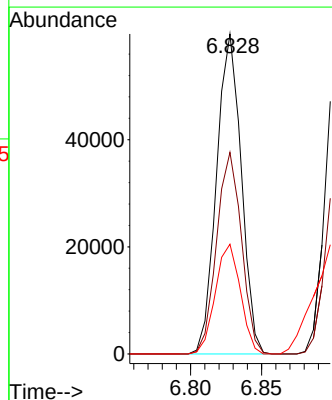
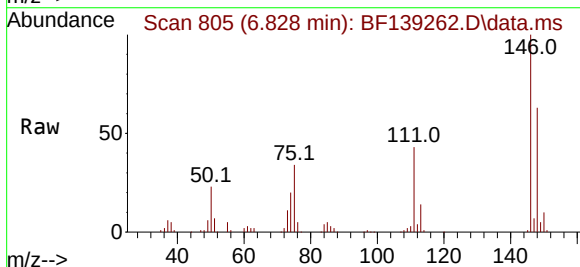
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

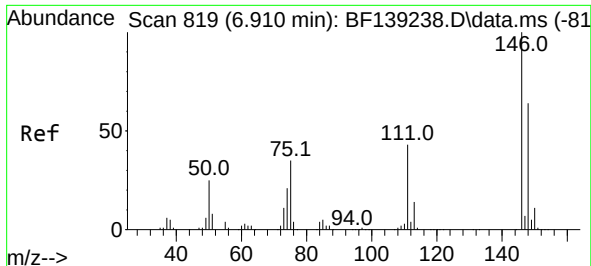
Tgt Ion: 93 Resp: 65477
Ion Ratio Lower Upper
93 100
63 84.4 67.1 107.1
95 31.2 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 9.109 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Tgt Ion: 146 Resp: 72283
Ion Ratio Lower Upper
146 100
148 63.0 50.8 76.2
75 34.3 27.3 40.9

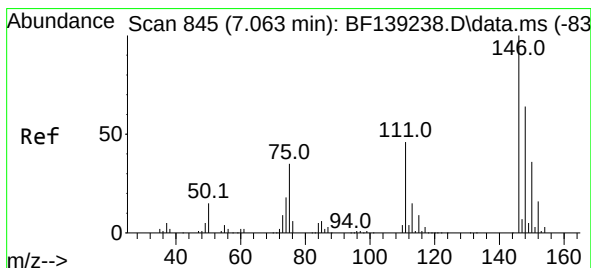
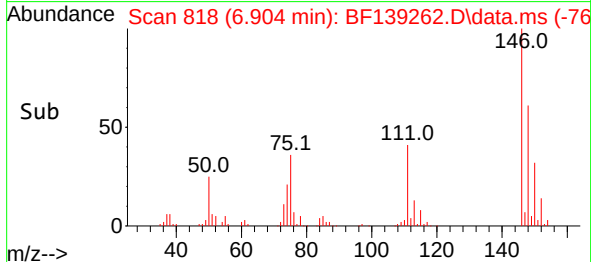
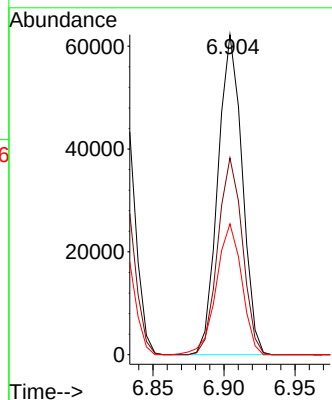
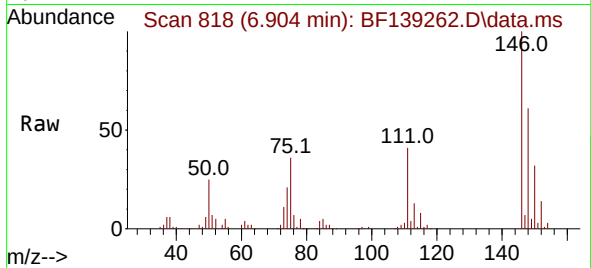




#13
1,4-Dichlorobenzene
Concen: 9.319 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

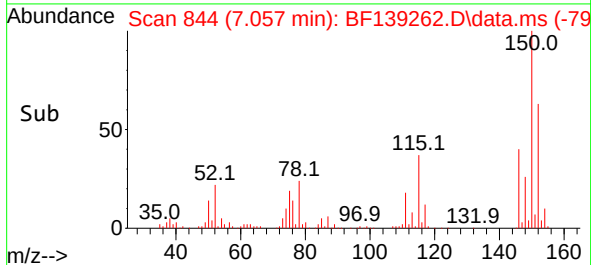
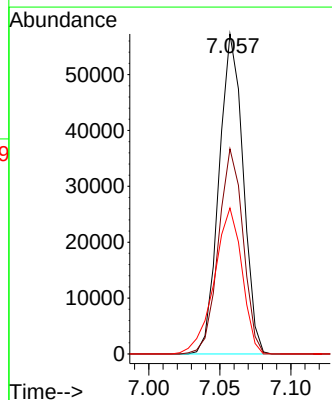
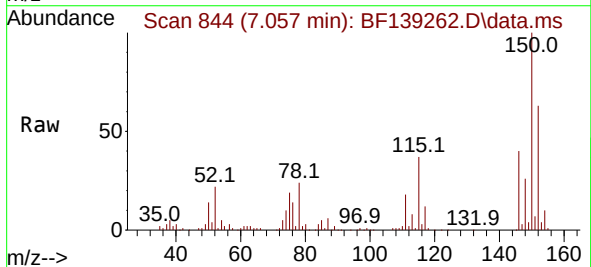
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

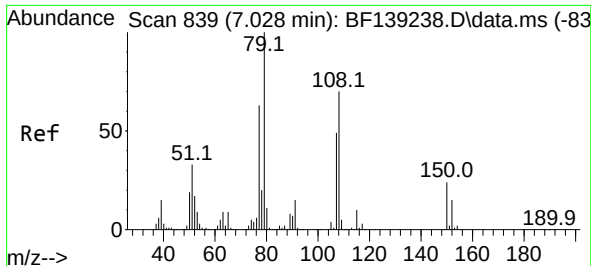
Tgt Ion:146 Resp: 74014
Ion Ratio Lower Upper
146 100
148 61.5 51.2 76.8
111 40.9 34.6 51.8



#14
1,2-Dichlorobenzene
Concen: 9.115 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Tgt Ion:146 Resp: 67518
Ion Ratio Lower Upper
146 100
148 64.1 50.9 76.3
111 45.6 36.6 55.0

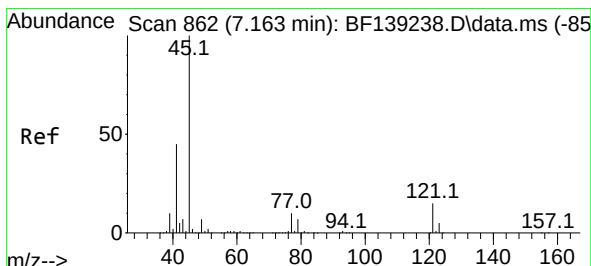
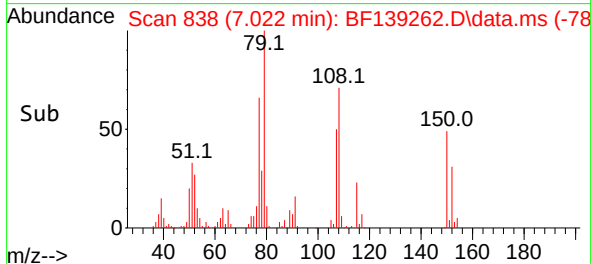
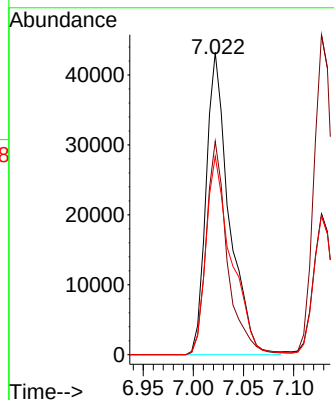
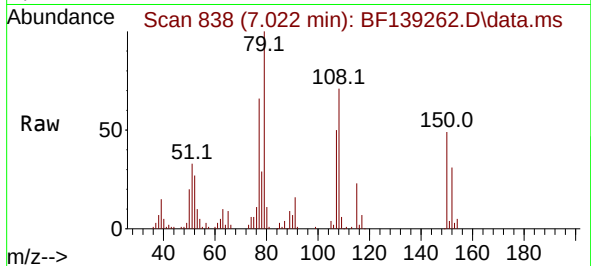




#15
Benzyl Alcohol
Concen: 10.522 ng
RT: 7.022 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

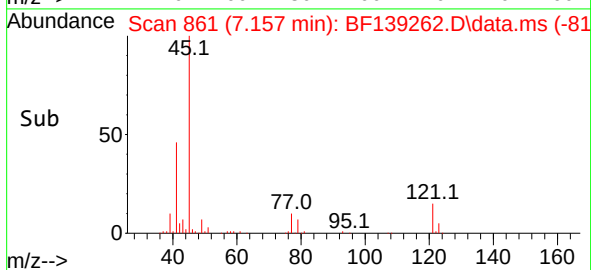
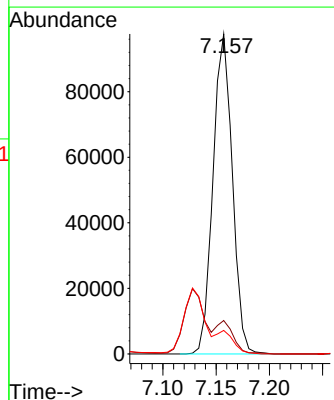
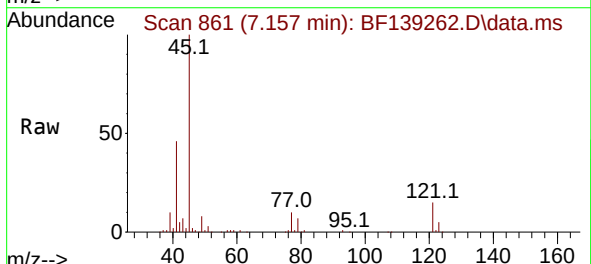
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

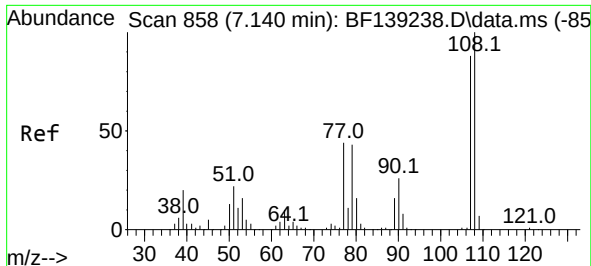
Tgt Ion: 79 Resp: 69293
Ion Ratio Lower Upper
79 100
108 70.6 56.1 84.1
77 65.6 50.6 76.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.457 ng
RT: 7.157 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Tgt Ion: 45 Resp: 122861
Ion Ratio Lower Upper
45 100
77 10.4 0.0 30.0
79 7.3 0.0 27.6

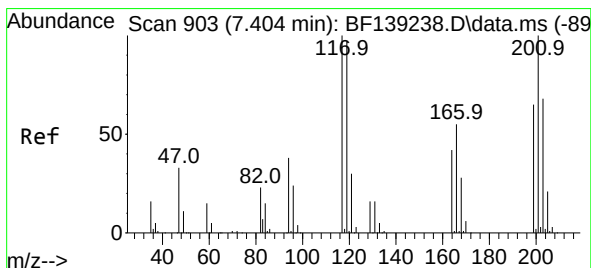
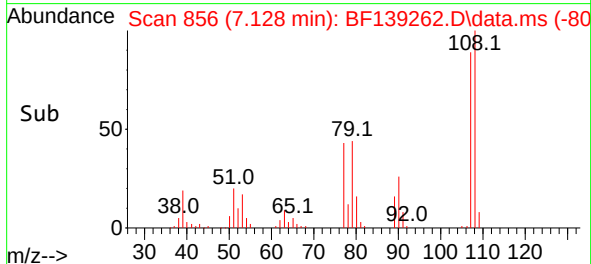
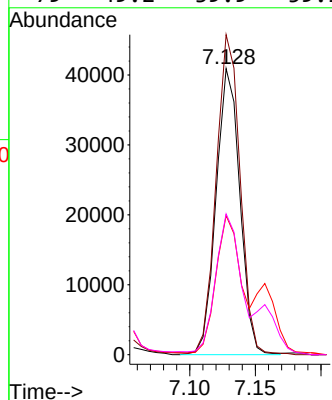
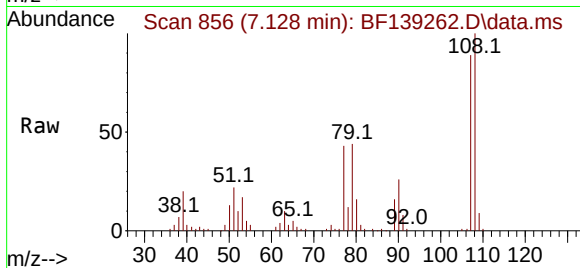




#17
2-Methylphenol
Concen: 9.001 ng
RT: 7.128 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

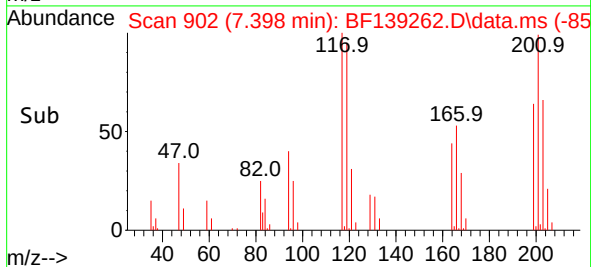
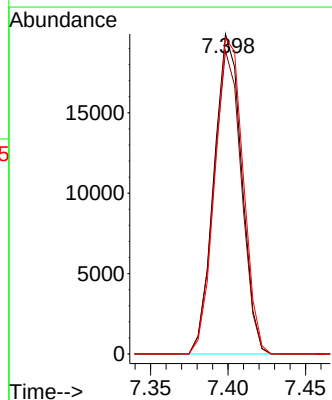
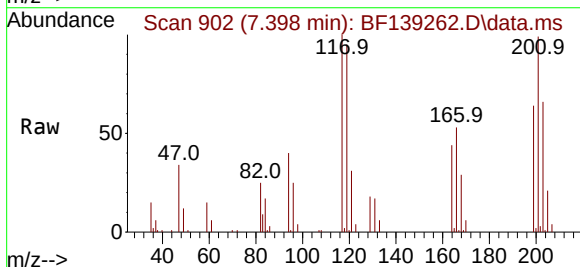
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

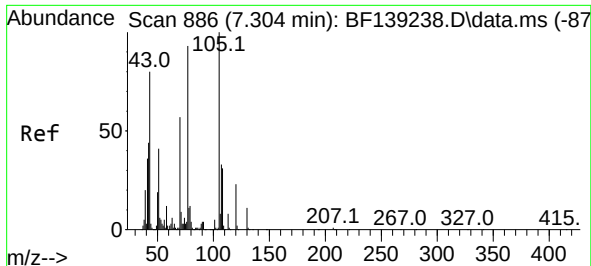
Tgt Ion:	107	Resp:	51548
Ion	Ratio	Lower	Upper
107	100		
108	111.8	91.4	137.2
77	48.6	40.1	60.1
79	49.2	39.9	59.9



#18
Hexachloroethane
Concen: 8.707 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Tgt Ion:	117	Resp:	24698
Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.4	116.2
201	98.8	80.0	120.0

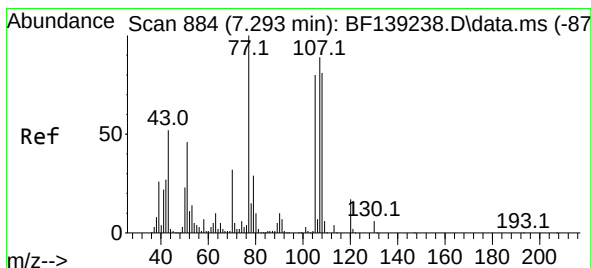
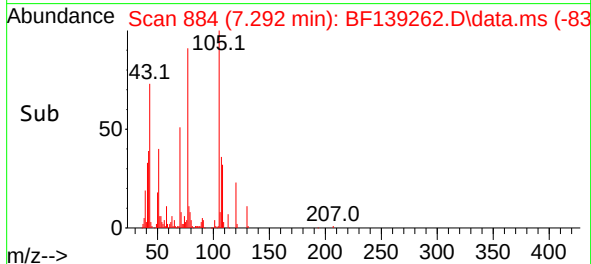
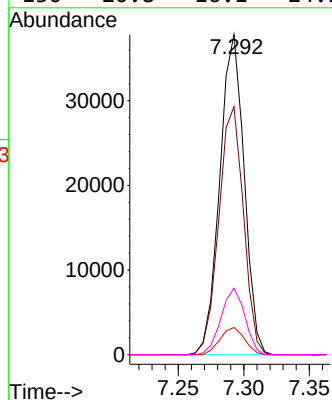
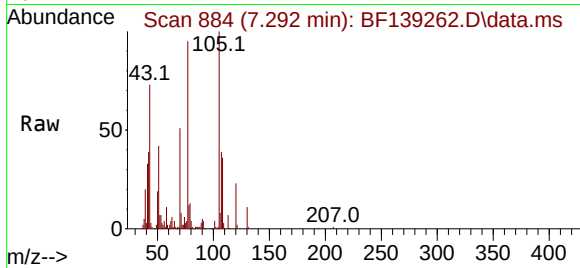




#19
n-Nitroso-di-n-propylamine
Concen: 9.384 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

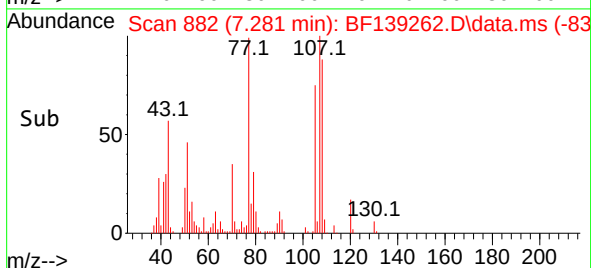
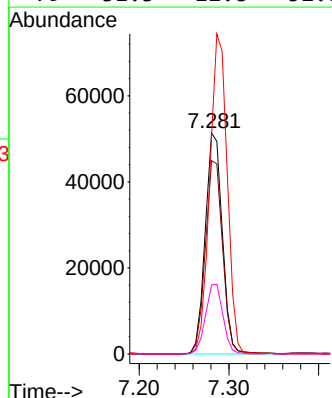
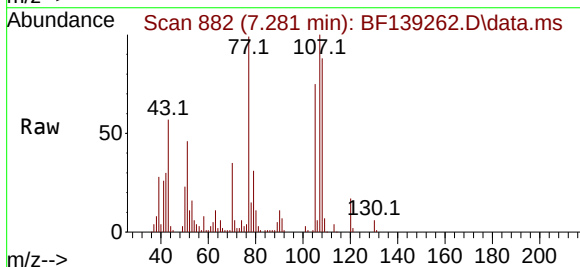
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

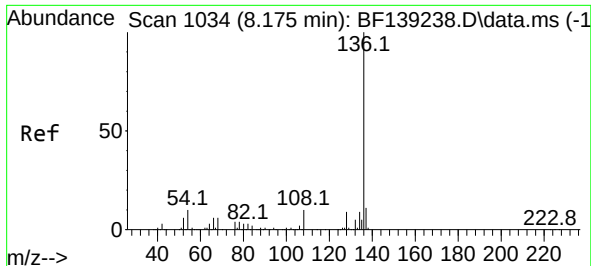
Tgt Ion:	70	Resp:	48805
Ion	Ratio	Lower	Upper
70	100		
42	77.5	61.0	91.6
101	8.5	7.2	10.8
130	20.8	16.1	24.1



#20
3+4-Methylphenols
Concen: 9.434 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.012 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Tgt Ion:	107	Resp:	68090
Ion	Ratio	Lower	Upper
107	100		
108	87.5	70.4	110.4
77	98.5	92.2	132.2
79	31.3	12.8	52.8



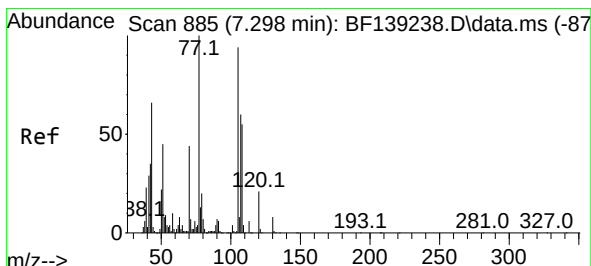
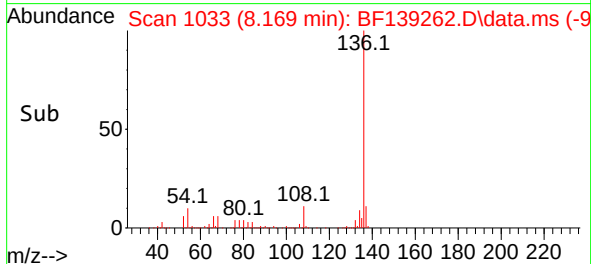
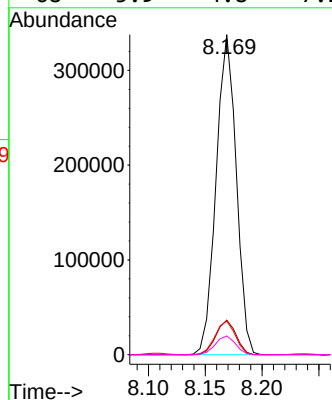
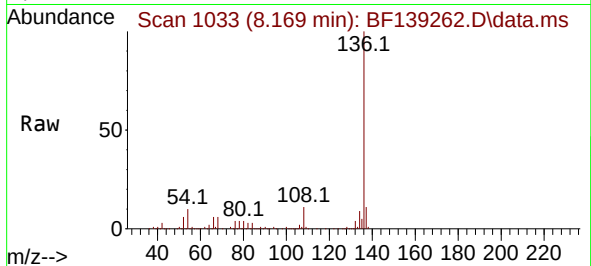


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:136 Resp: 417052

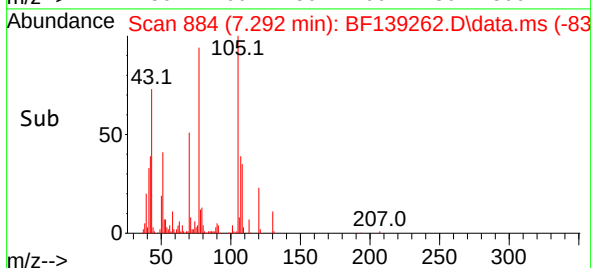
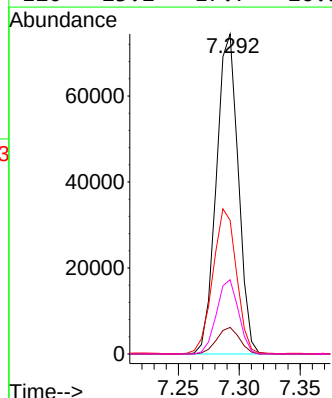
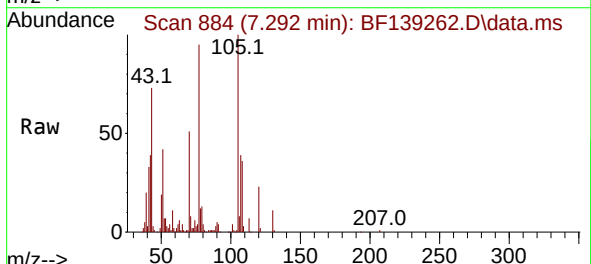
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.5	8.4	12.6
68	5.9	4.8	7.2

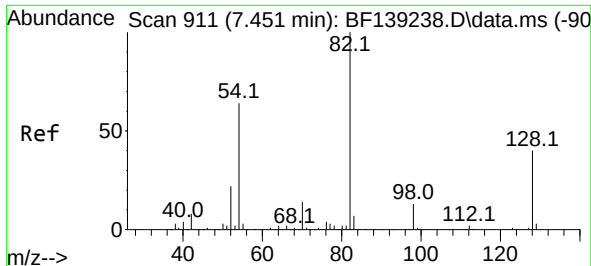


#22
Acetophenone
Concen: 9.394 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Tgt Ion:105 Resp: 93337

Ion	Ratio	Lower	Upper
105	100		
71	8.3	6.2	9.2
51	41.7	38.2	57.2
120	23.2	17.7	26.5





#23

Nitrobenzene-d5

Concen: 94.295 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.000 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

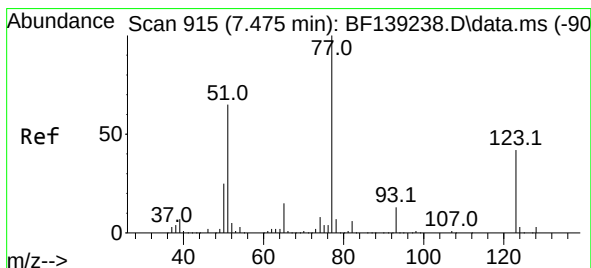
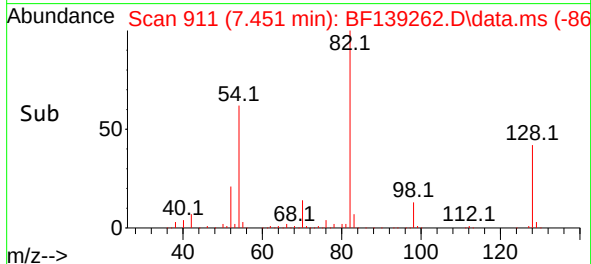
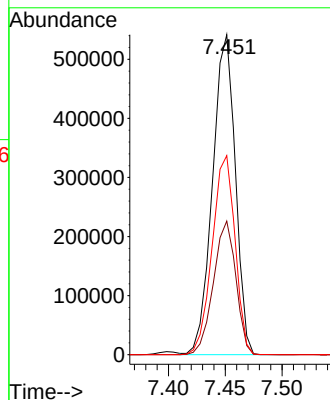
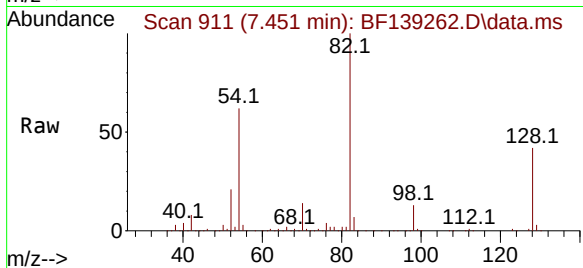
Tgt Ion: 82 Resp: 755933

Ion Ratio Lower Upper

82 100

128 41.7 32.3 48.5

54 62.2 51.2 76.8



#24

Nitrobenzene

Concen: 8.765 ng

RT: 7.469 min Scan# 914

Delta R.T. -0.006 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

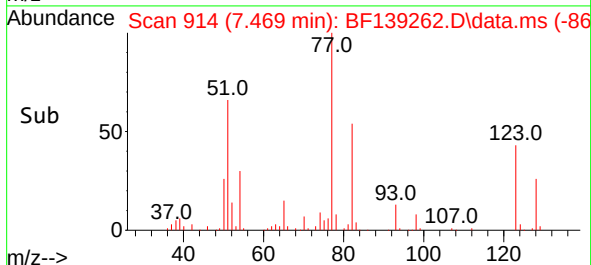
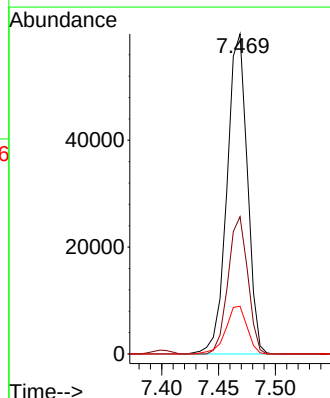
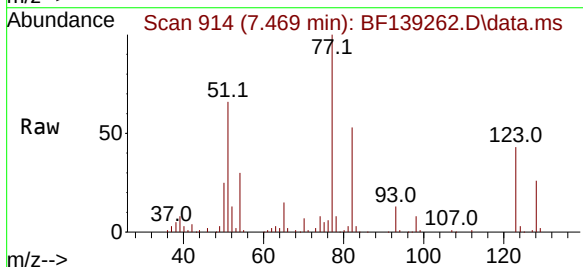
Tgt Ion: 77 Resp: 74583

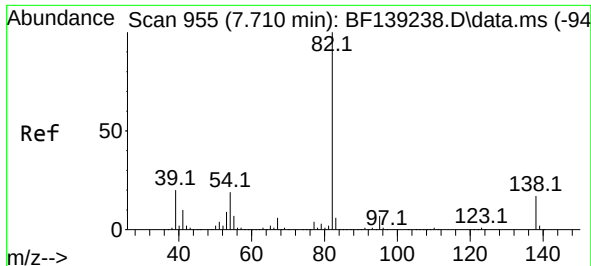
Ion Ratio Lower Upper

77 100

123 42.9 34.0 51.0

65 14.9 12.1 18.1

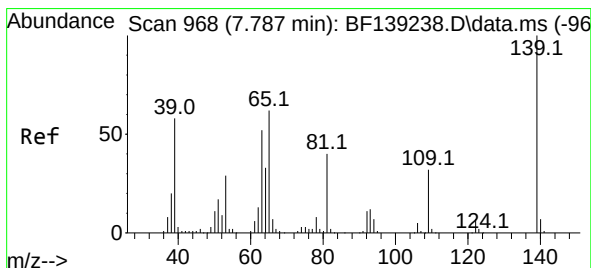
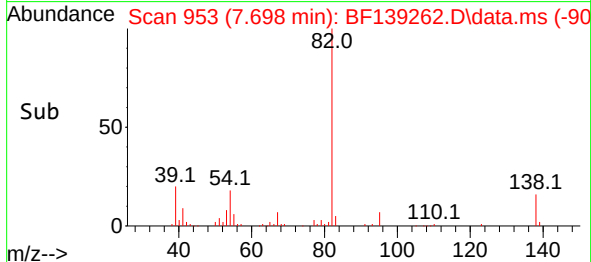
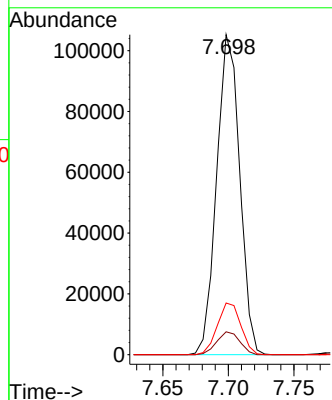
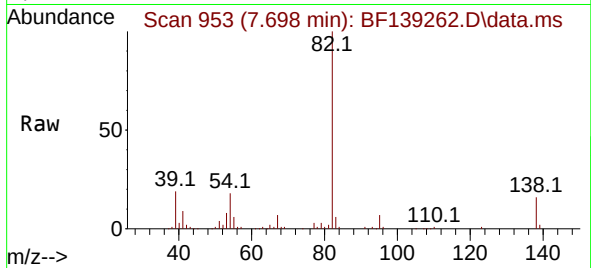




#25
Isophorone
Concen: 9.389 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

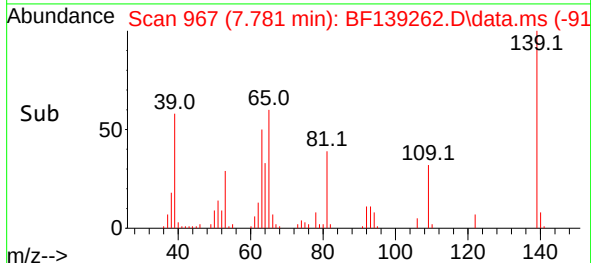
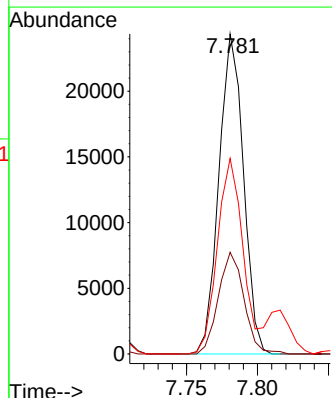
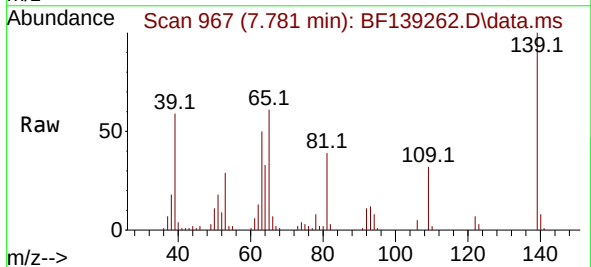
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

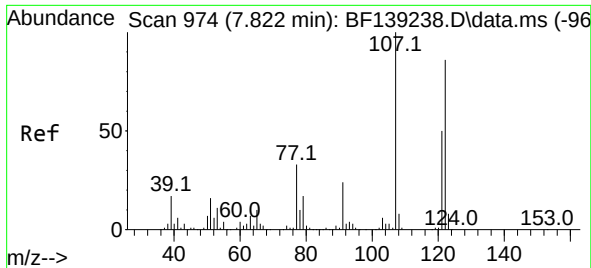
Tgt Ion: 82 Resp: 128681
Ion Ratio Lower Upper
82 100
95 7.1 6.0 9.0
138 16.1 13.4 20.0



#26
2-Nitrophenol
Concen: 8.744 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Tgt Ion:139 Resp: 29221
Ion Ratio Lower Upper
139 100
109 31.7 25.4 38.2
65 61.1 49.4 74.2





#27

2,4-Dimethylphenol

Concen: 7.924 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF139262.D

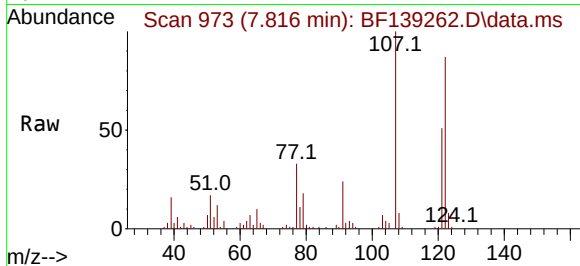
Acq: 05 Sep 2024 17:25

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



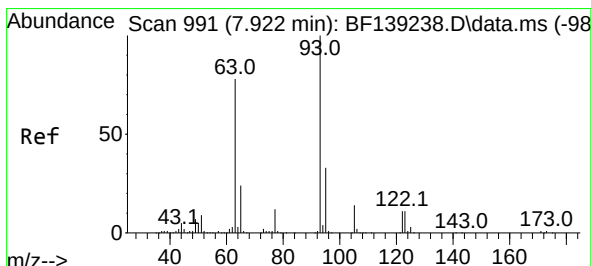
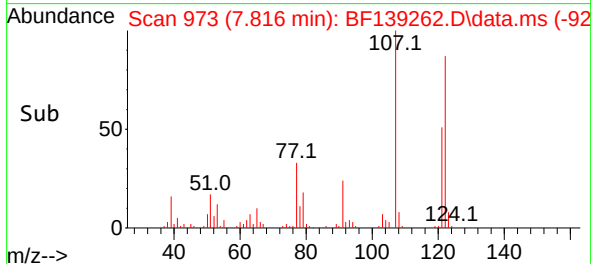
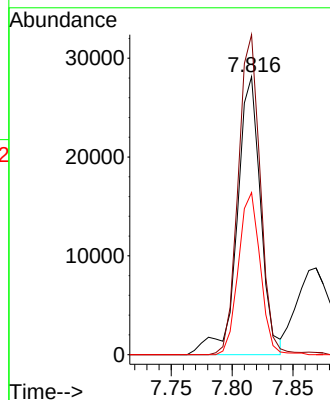
Tgt Ion:122 Resp: 37768

Ion Ratio Lower Upper

122 100

107 115.2 93.4 140.2

121 58.3 46.6 70.0



#28

bis(2-Chloroethoxy)methane

Concen: 9.311 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.006 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

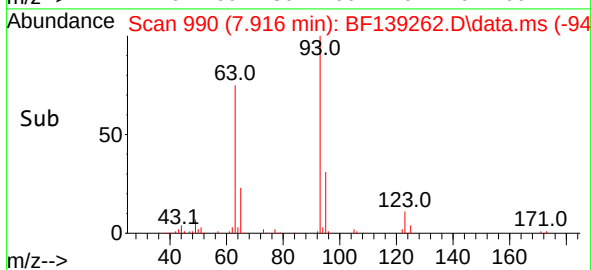
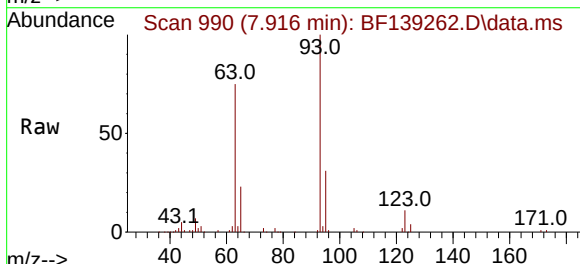
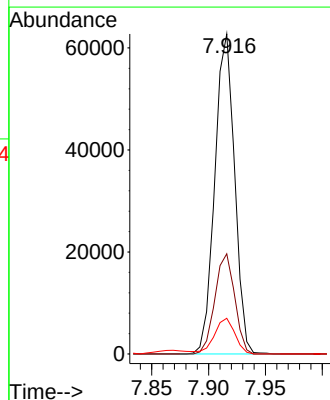
Tgt Ion: 93 Resp: 76029

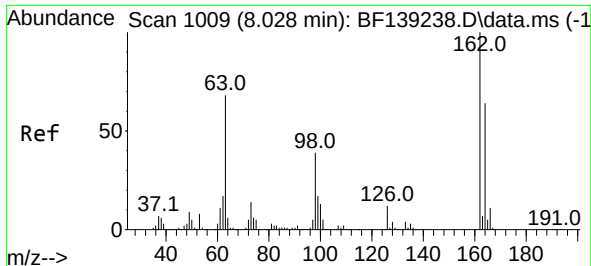
Ion Ratio Lower Upper

93 100

95 31.3 26.6 40.0

123 11.2 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 9.150 ng

RT: 8.022 min Scan# 1009

Delta R.T. -0.006 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

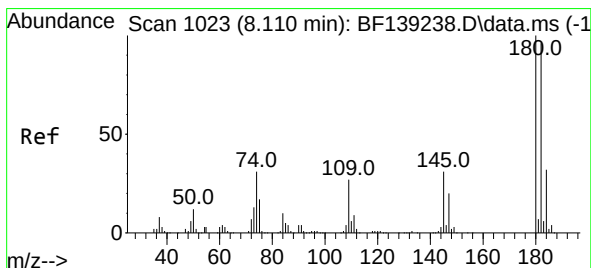
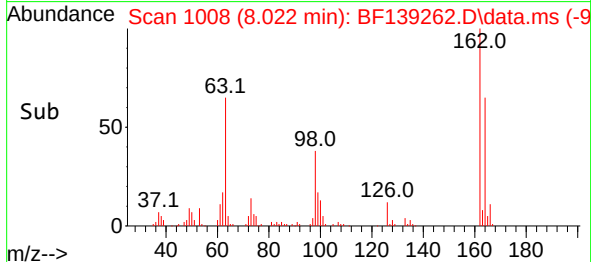
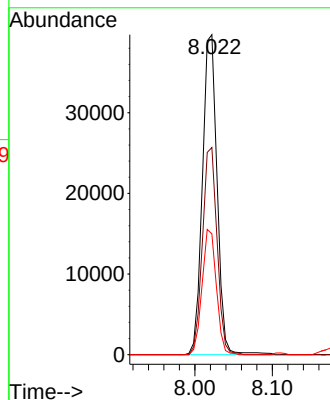
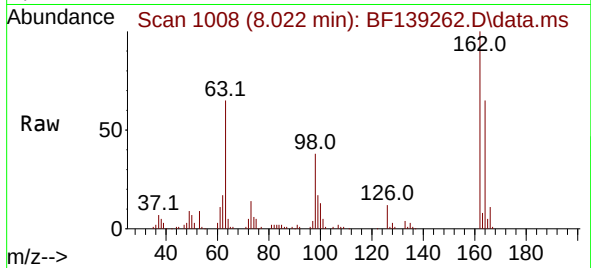
Tgt Ion:162 Resp: 52216

Ion Ratio Lower Upper

162 100

164 64.8 43.6 83.6

98 37.8 19.5 59.5



#30

1,2,4-Trichlorobenzene

Concen: 9.065 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

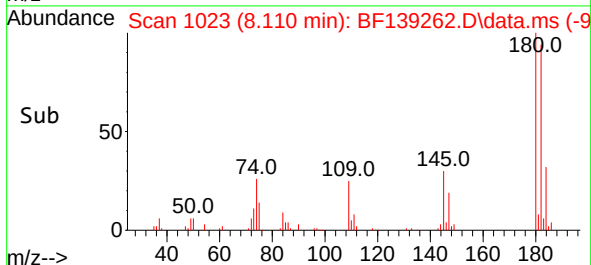
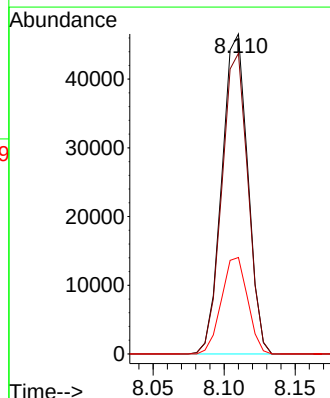
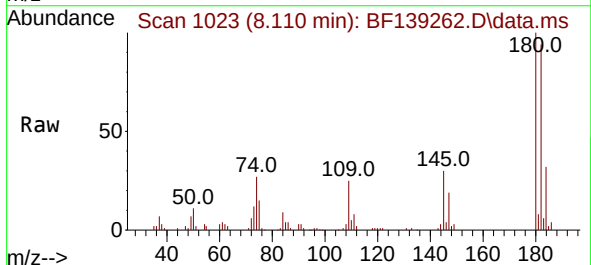
Tgt Ion:180 Resp: 59084

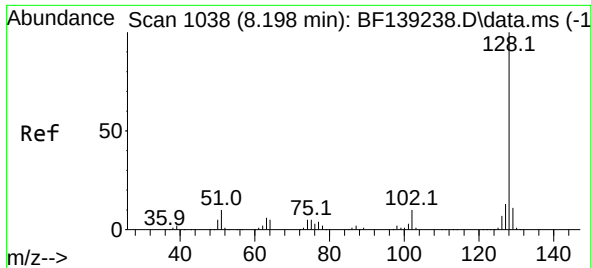
Ion Ratio Lower Upper

180 100

182 94.0 76.5 114.7

145 30.1 25.1 37.7

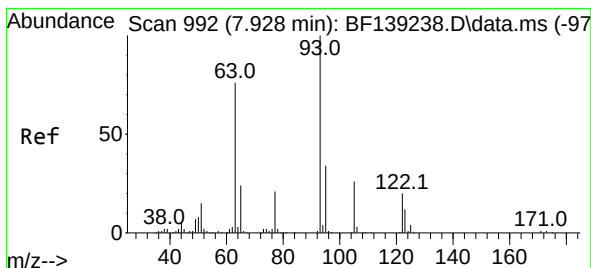
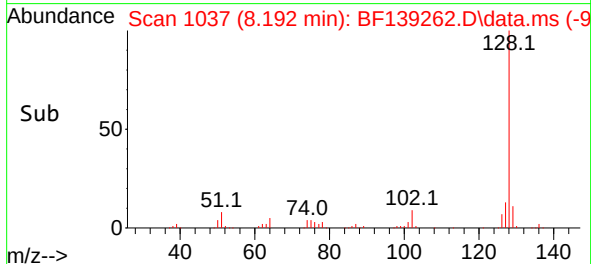
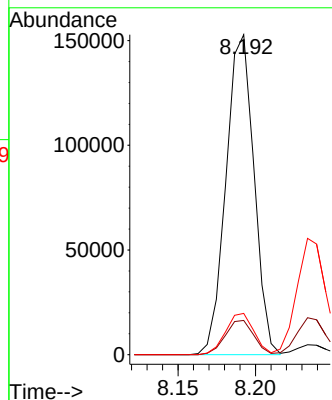
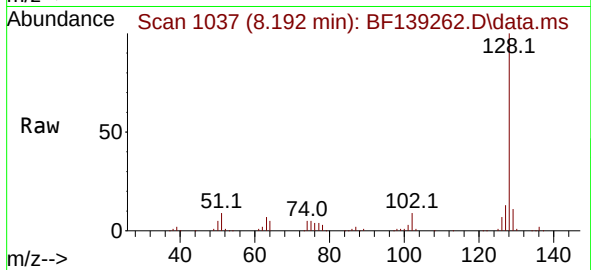




#31
Naphthalene
Concen: 9.098 ng
RT: 8.192 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

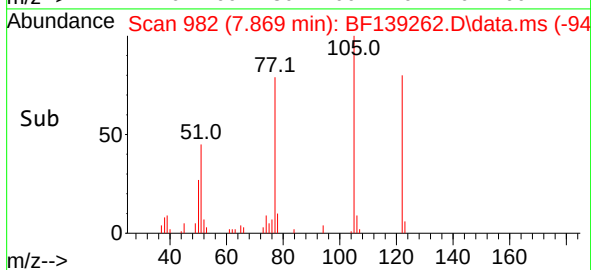
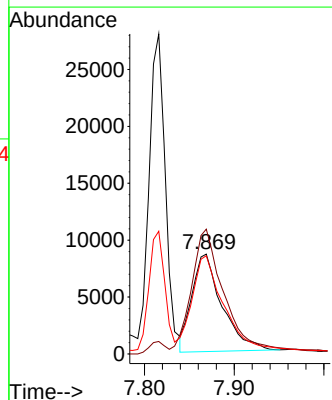
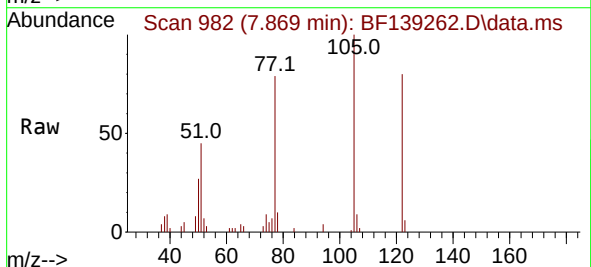
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

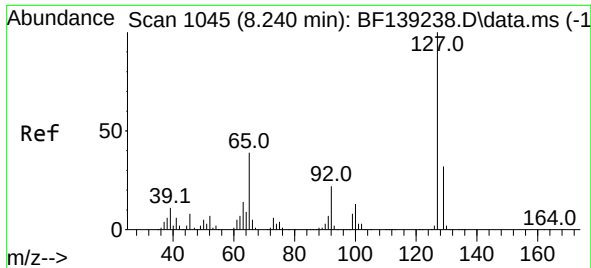
Tgt Ion:128 Resp: 192152
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 12.9 10.6 15.8



#32
Benzoic acid
Concen: 4.612 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.059 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Tgt Ion:122 Resp: 20023
Ion Ratio Lower Upper
122 100
105 124.9 106.3 146.3
77 98.5 84.1 124.1

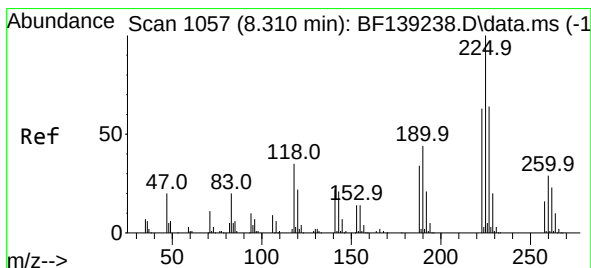
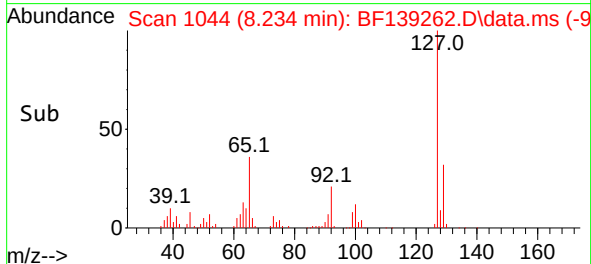
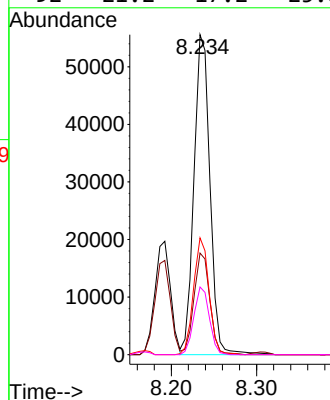
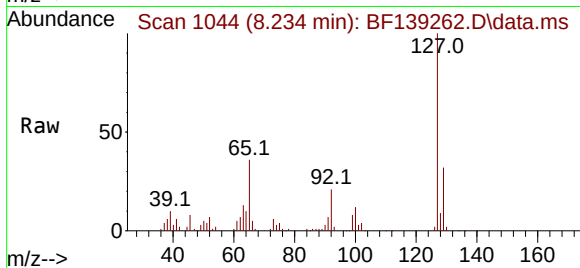




#33
4-Chloroaniline
Concen: 9.920 ng
RT: 8.234 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

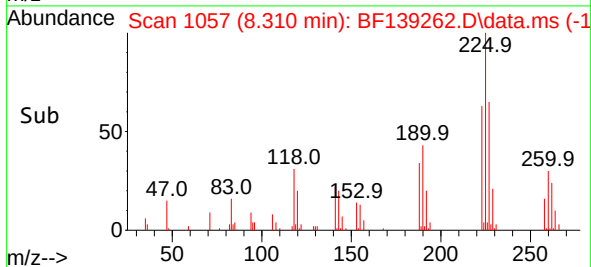
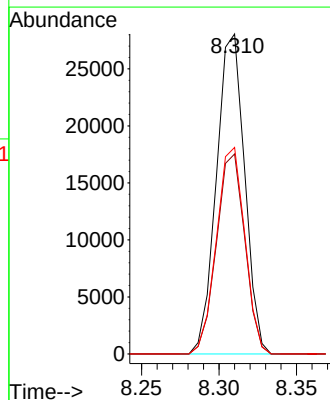
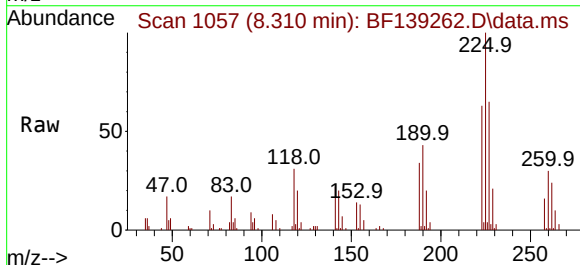
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

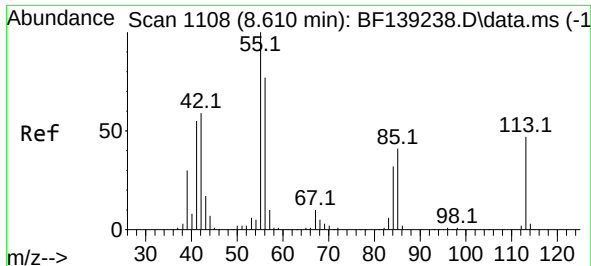
Tgt Ion:	127	Resp:	72546
Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.8	38.6
65	36.5	30.6	45.8
92	21.2	17.2	25.8



#34
Hexachlorobutadiene
Concen: 8.606 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.000 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Tgt Ion:	225	Resp:	35543
Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.7	76.1
227	64.6	51.5	77.3

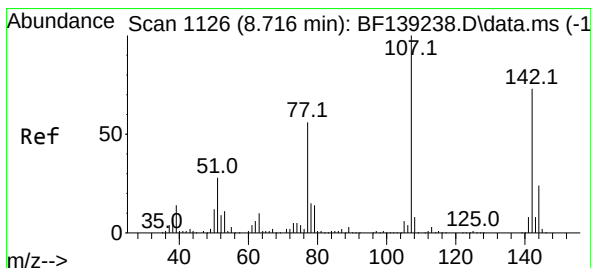
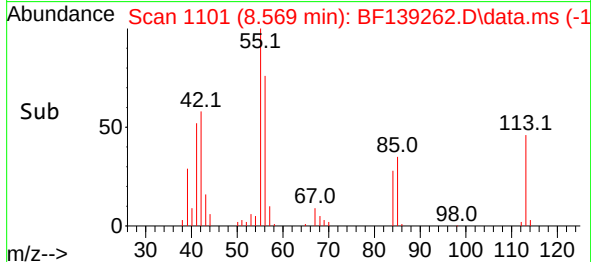
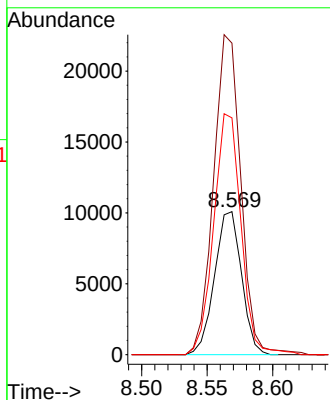
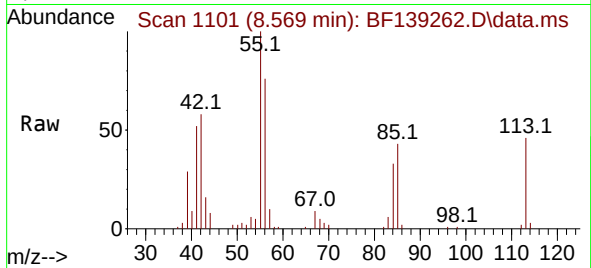




#35
 Caprolactam
 Concen: 8.162 ng
 RT: 8.569 min Scan# 1108
 Delta R.T. -0.041 min
 Lab File: BF139262.D
 Acq: 05 Sep 2024 17:25

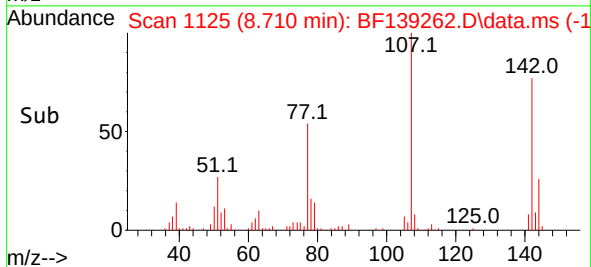
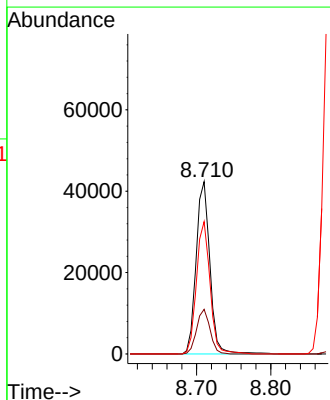
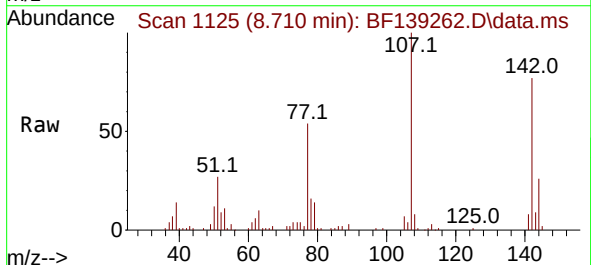
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

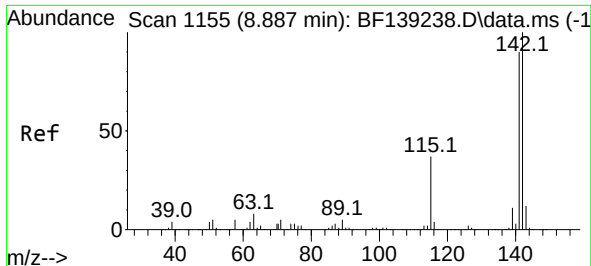
Tgt Ion:113 Resp: 14420
 Ion Ratio Lower Upper
 113 100
 55 217.8 193.7 233.7
 56 165.5 145.0 185.0



#36
 4-Chloro-3-methylphenol
 Concen: 8.789 ng
 RT: 8.710 min Scan# 1125
 Delta R.T. -0.006 min
 Lab File: BF139262.D
 Acq: 05 Sep 2024 17:25

Tgt Ion:107 Resp: 54658
 Ion Ratio Lower Upper
 107 100
 144 25.9 19.1 28.7
 142 76.8 58.3 87.5





#37

2-Methylnaphthalene

Concen: 9.246 ng

RT: 8.881 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

Instrument :

BNA_F

ClientSampleId :

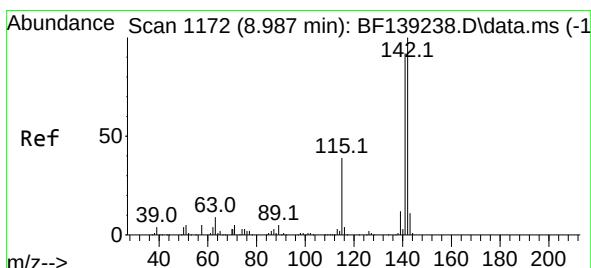
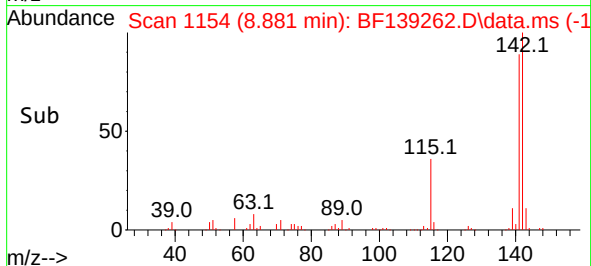
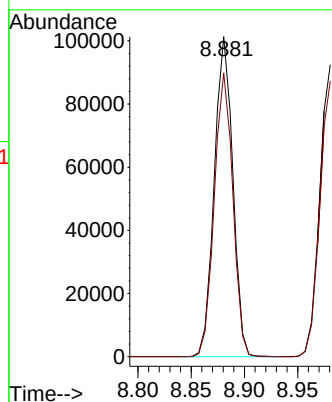
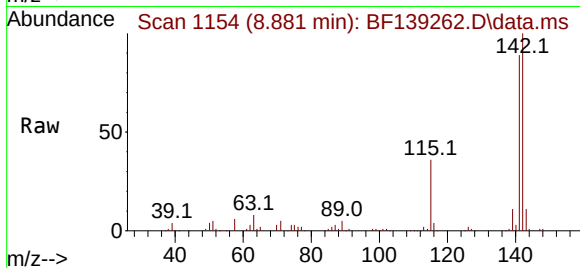
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:142 Resp: 122180

Ion Ratio Lower Upper

142 100

141 88.7 71.6 107.4



#38

1-Methylnaphthalene

Concen: 8.695 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF139262.D

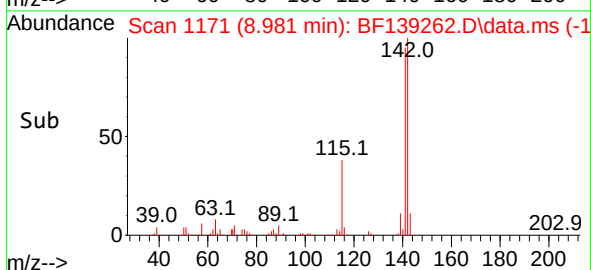
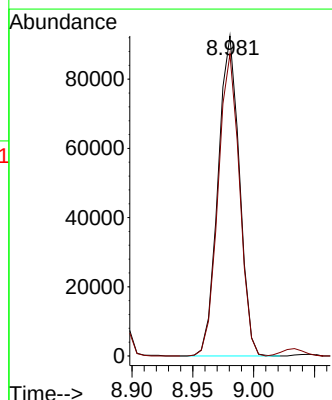
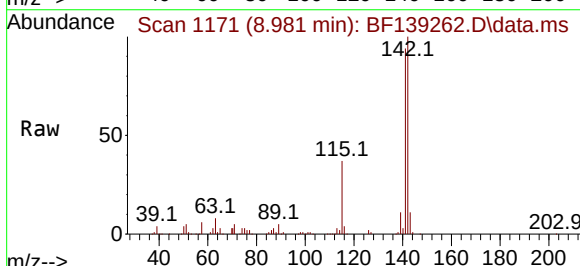
Acq: 05 Sep 2024 17:25

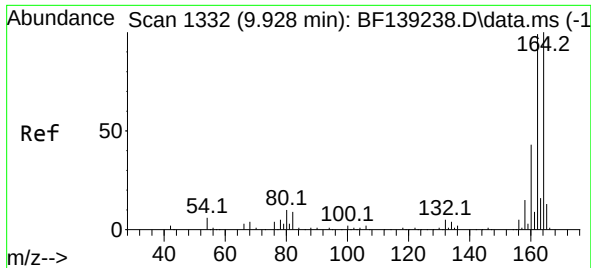
Tgt Ion:142 Resp: 112995

Ion Ratio Lower Upper

142 100

141 94.4 73.5 110.3

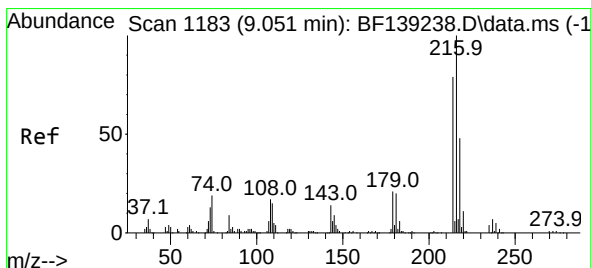
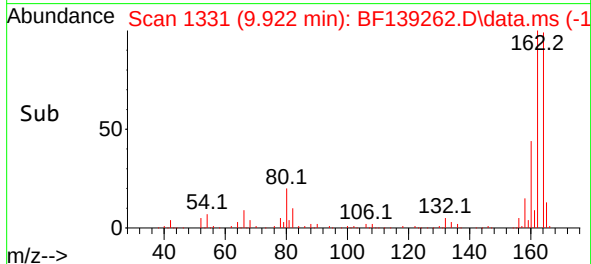
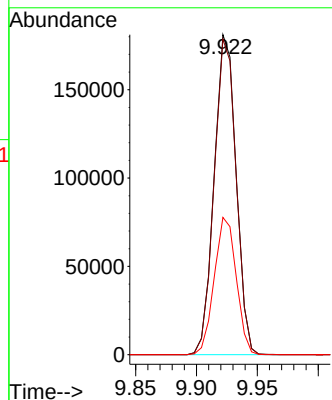
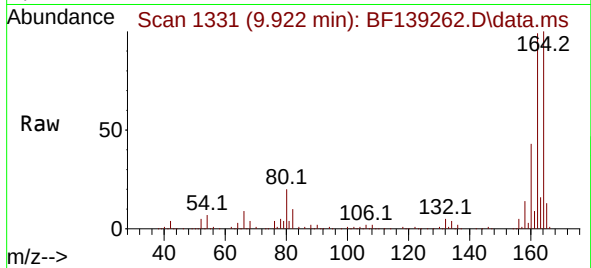




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

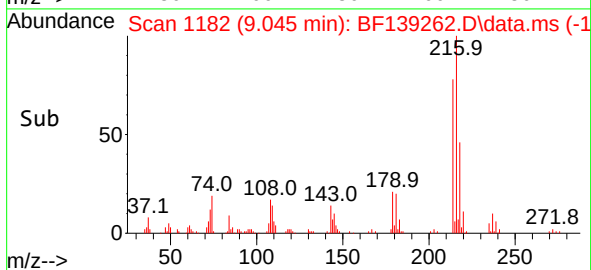
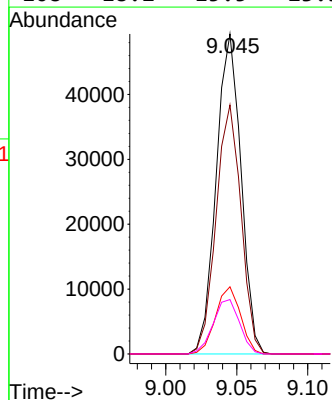
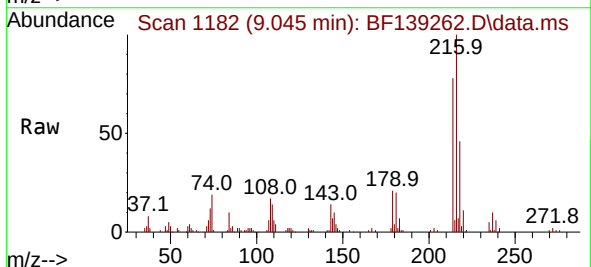
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

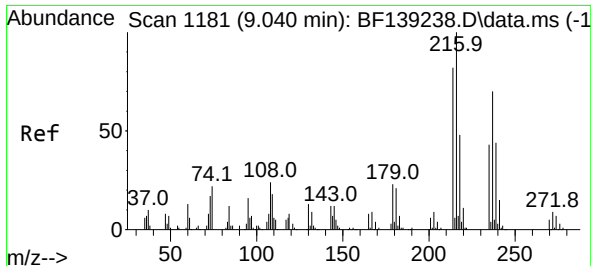
Tgt Ion:164 Resp: 227568
Ion Ratio Lower Upper
164 100
162 98.6 79.2 118.8
160 42.9 34.2 51.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.291 ng
RT: 9.045 min Scan# 1182
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Tgt Ion:216 Resp: 59823
Ion Ratio Lower Upper
216 100
214 78.2 63.8 95.8
179 21.2 16.9 25.3
108 18.2 15.5 23.3

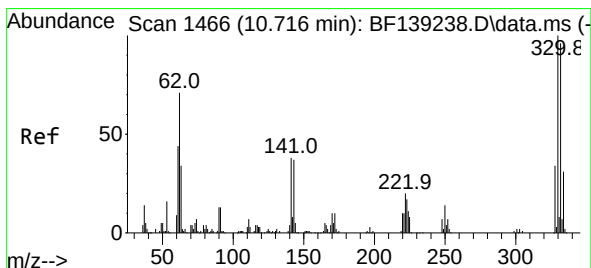
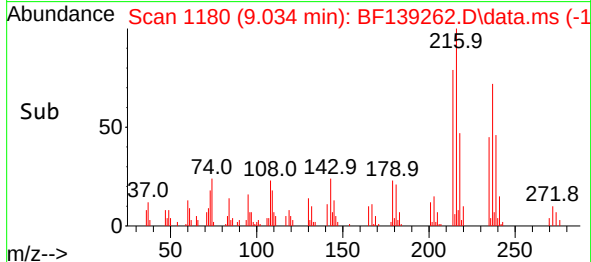
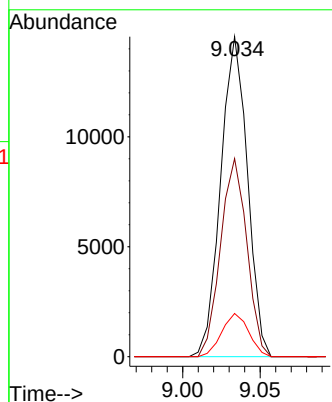
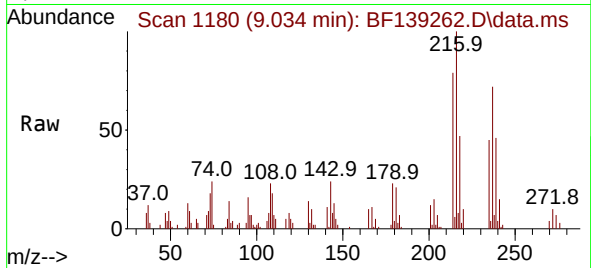




#41
Hexachlorocyclopentadiene
Concen: 8.422 ng
RT: 9.034 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

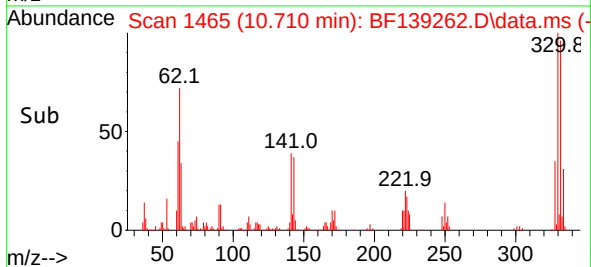
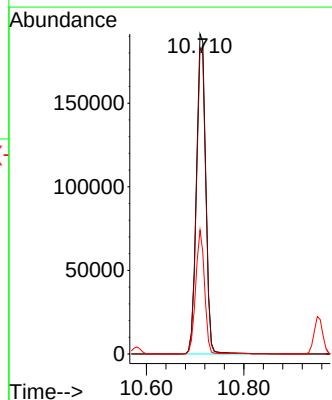
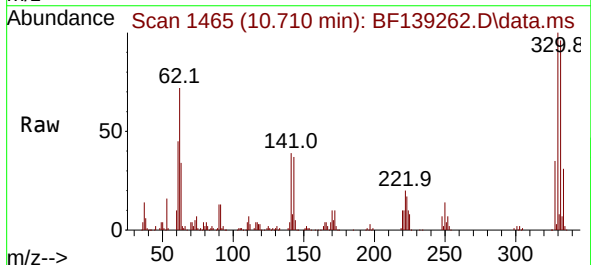
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

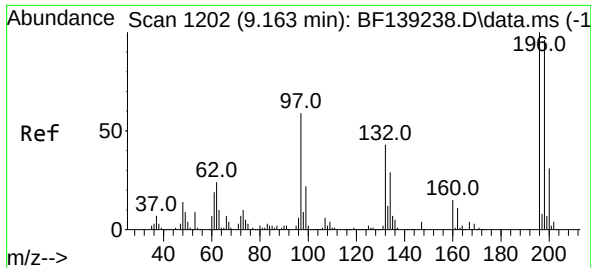
Tgt Ion:237 Resp: 17426
Ion Ratio Lower Upper
237 100
235 61.9 41.4 81.4
272 13.5 0.0 32.2



#42
2,4,6-Tribromophenol
Concen: 130.878 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

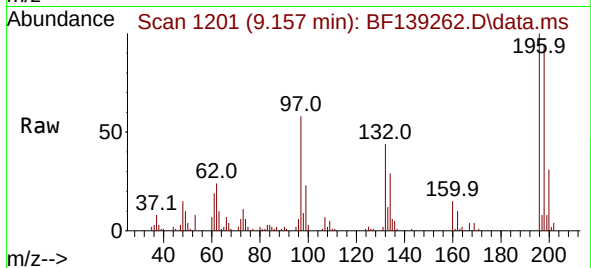
Tgt Ion:330 Resp: 257187
Ion Ratio Lower Upper
330 100
332 95.5 76.6 115.0
141 36.7 30.1 45.1



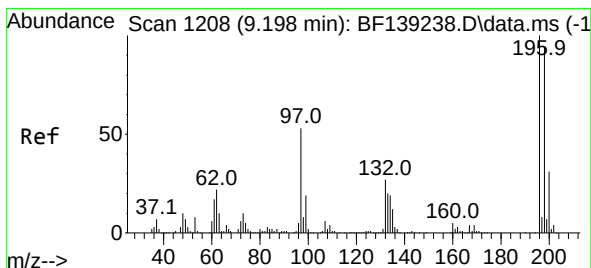
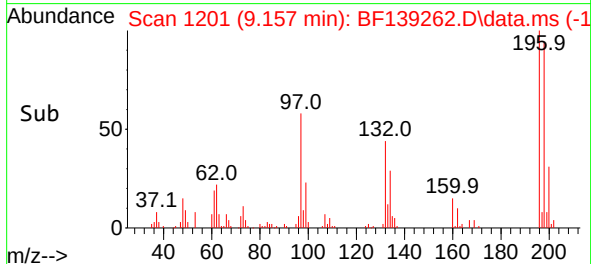
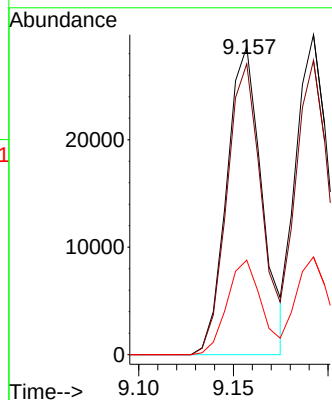


#43
2,4,6-Trichlorophenol
Concen: 8.811 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

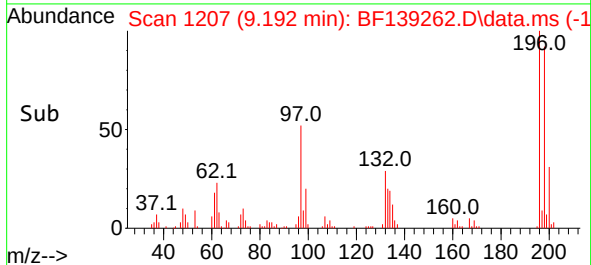
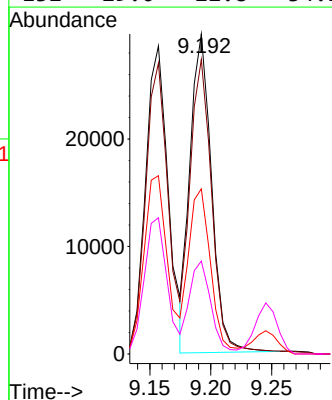
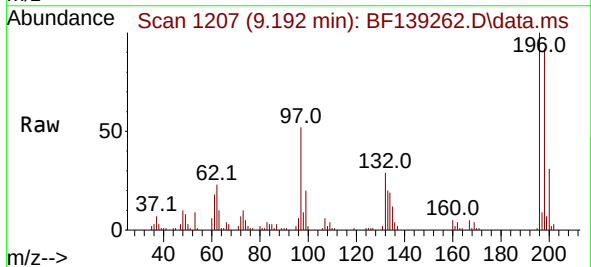


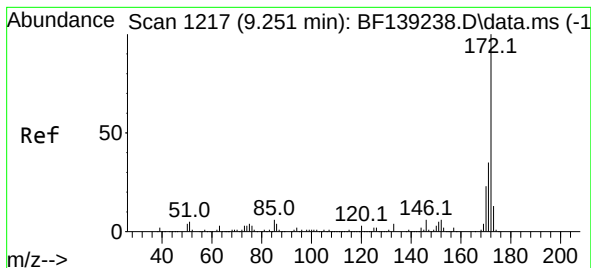
Tgt Ion:196 Resp: 37119
Ion Ratio Lower Upper
196 100
198 94.4 77.0 115.4
200 30.7 24.7 37.1



#44
2,4,5-Trichlorophenol
Concen: 8.249 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Tgt Ion:196 Resp: 36417
Ion Ratio Lower Upper
196 100
198 92.0 75.6 113.4
97 51.6 43.6 65.4
132 29.0 22.8 34.2





#45

2-Fluorobiphenyl

Concen: 89.693 ng

RT: 9.245 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

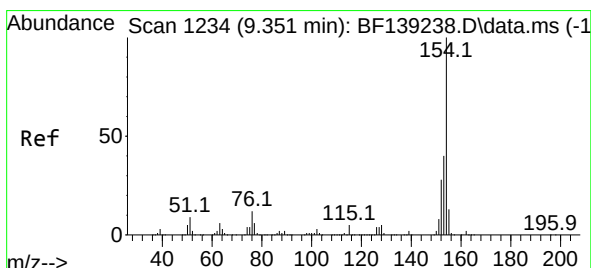
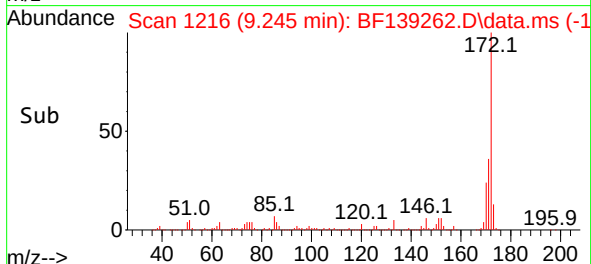
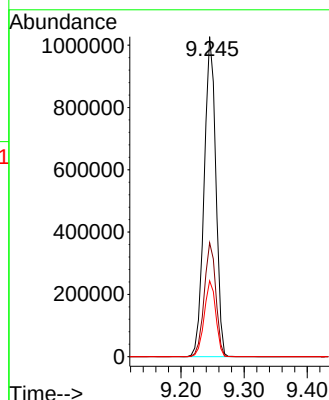
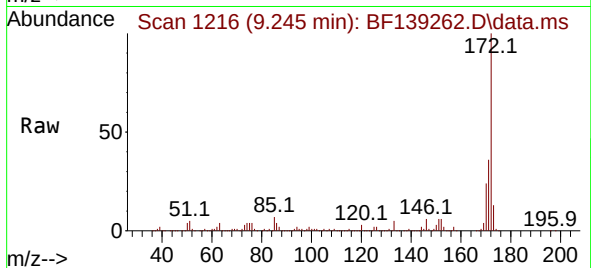
Tgt Ion:172 Resp: 1322279

Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 23.7 18.7 28.1



#46

1,1'-Biphenyl

Concen: 9.463 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

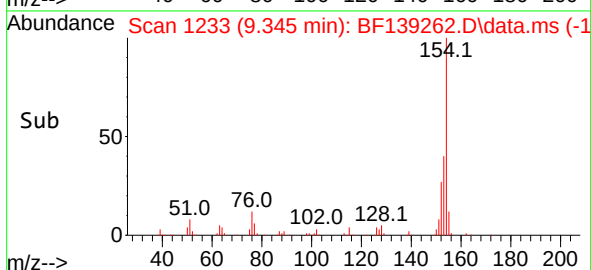
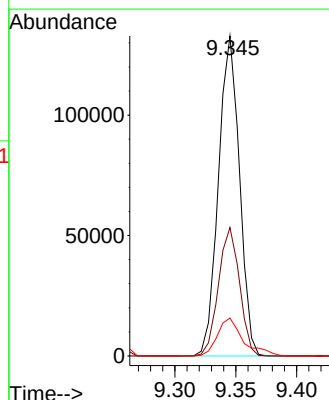
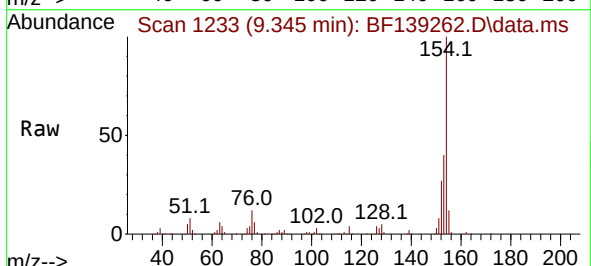
Tgt Ion:154 Resp: 159559

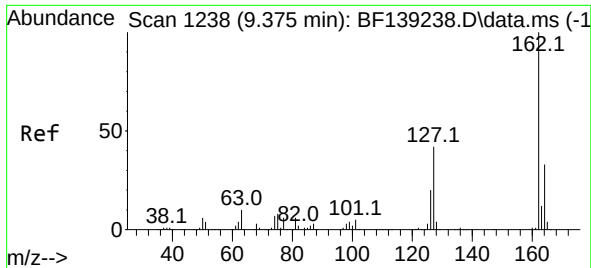
Ion Ratio Lower Upper

154 100

153 40.2 20.1 60.1

76 11.9 0.0 32.3

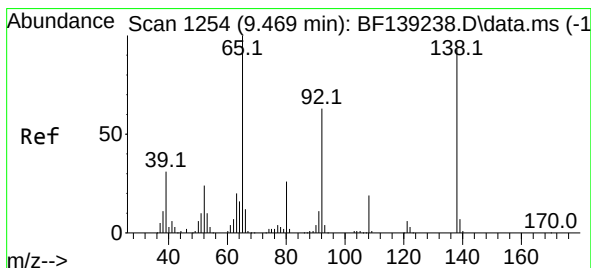
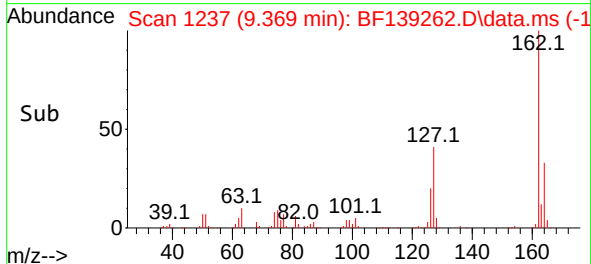
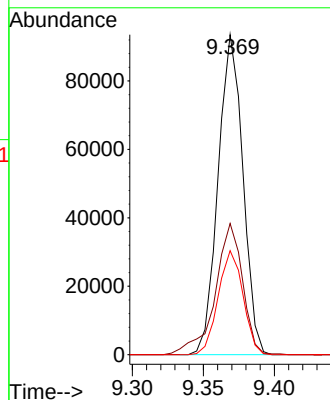
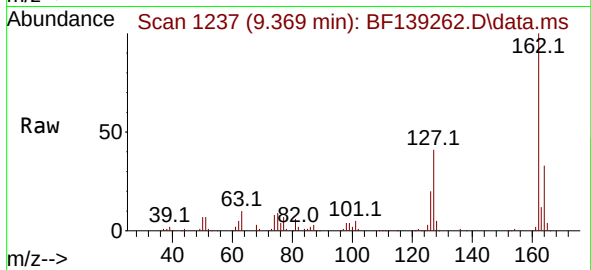




#47
2-Chloronaphthalene
Concen: 8.910 ng
RT: 9.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

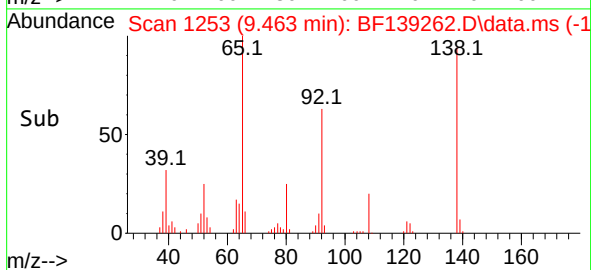
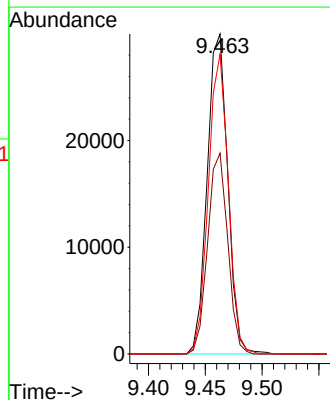
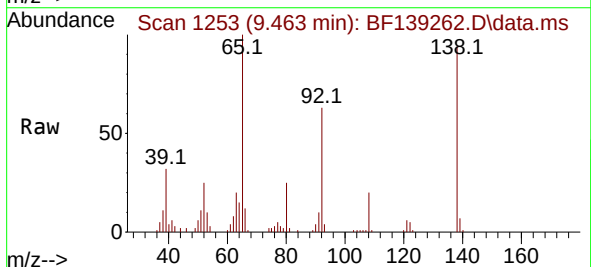
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

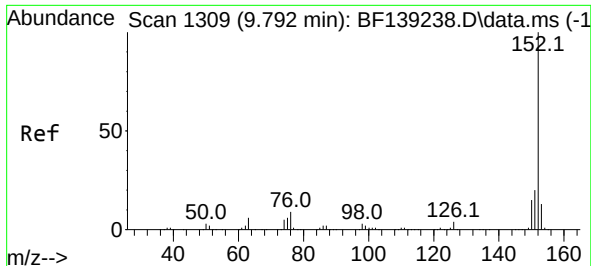
Tgt Ion:162 Resp: 113432
Ion Ratio Lower Upper
162 100
127 41.0 34.2 51.4
164 32.5 26.2 39.2



#48
2-Nitroaniline
Concen: 8.589 ng
RT: 9.463 min Scan# 1253
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Tgt Ion: 65 Resp: 37665
Ion Ratio Lower Upper
65 100
92 62.7 50.4 75.6
138 93.7 74.2 111.4





#49

Acenaphthylene

Concen: 9.832 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

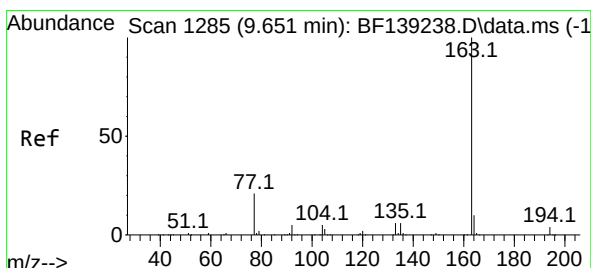
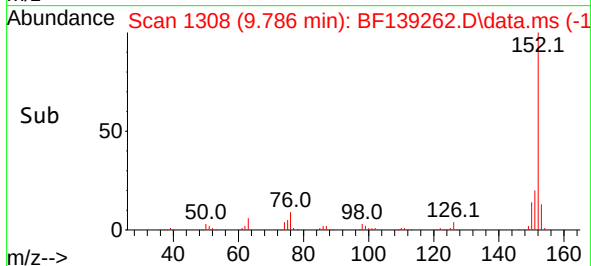
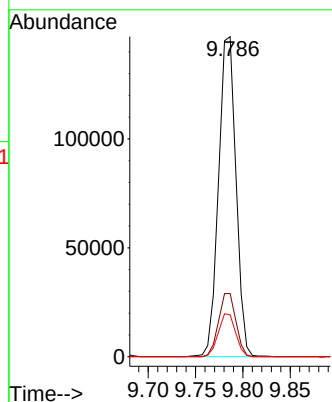
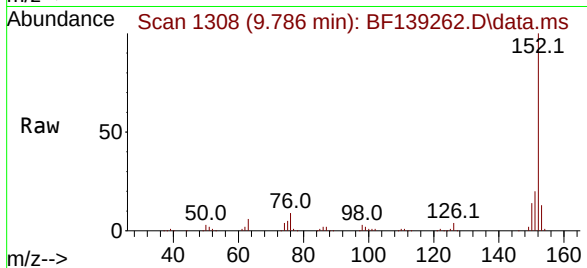
Tgt Ion:152 Resp: 188521

Ion Ratio Lower Upper

152 100

151 19.8 16.0 24.0

153 13.1 10.4 15.6



#50

Dimethylphthalate

Concen: 9.117 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

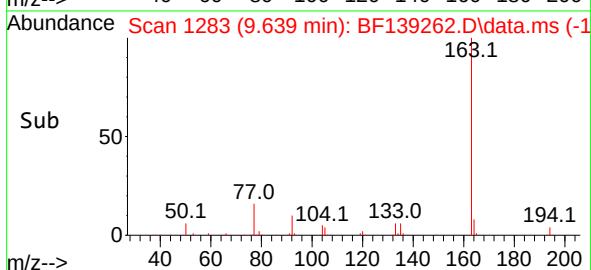
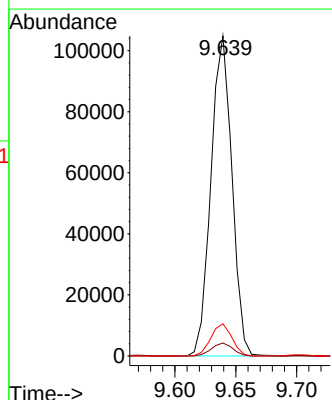
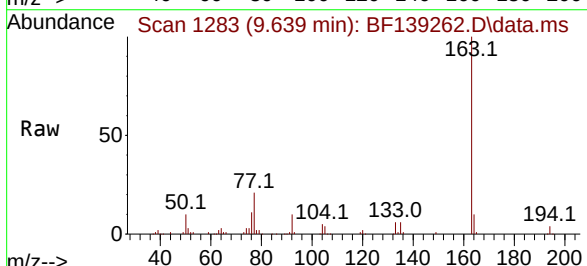
Tgt Ion:163 Resp: 125745

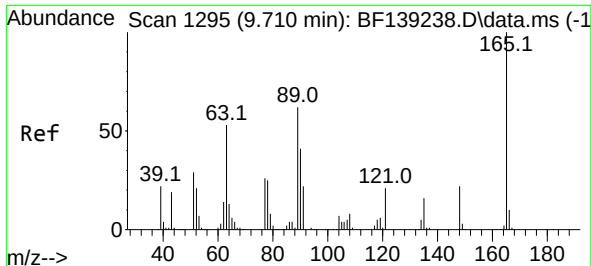
Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

164 10.0 7.9 11.9





#51

2,6-Dinitrotoluene

Concen: 8.551 ng

RT: 9.698 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

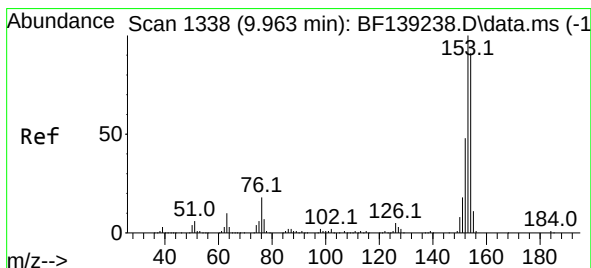
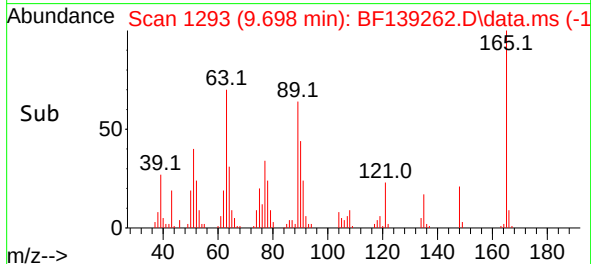
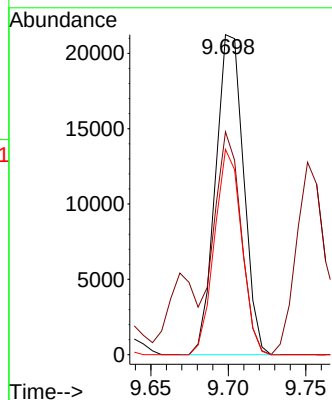
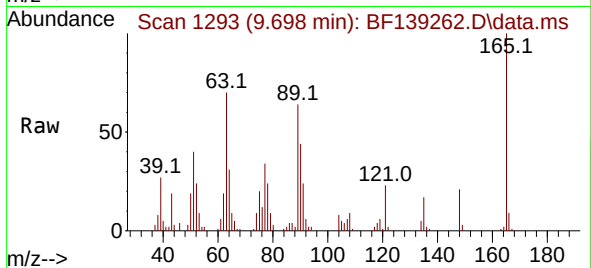
Tgt Ion:165 Resp: 26758

Ion Ratio Lower Upper

165 100

63 69.6 56.1 84.1

89 64.2 49.7 74.5



#52

Acenaphthene

Concen: 8.766 ng

RT: 9.957 min Scan# 1337

Delta R.T. -0.006 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

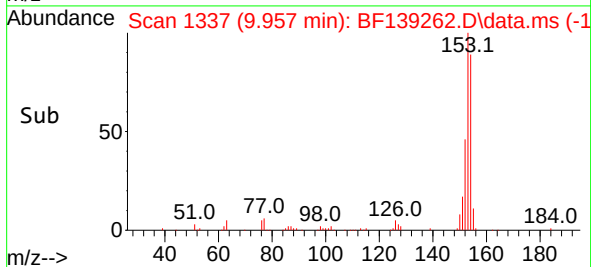
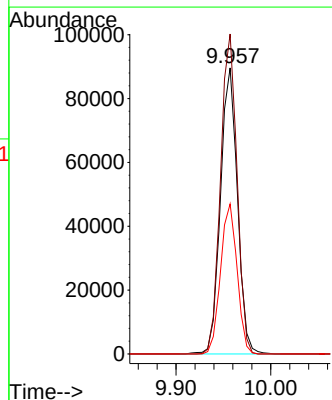
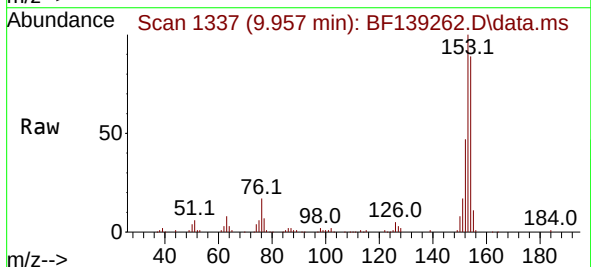
Tgt Ion:154 Resp: 111484

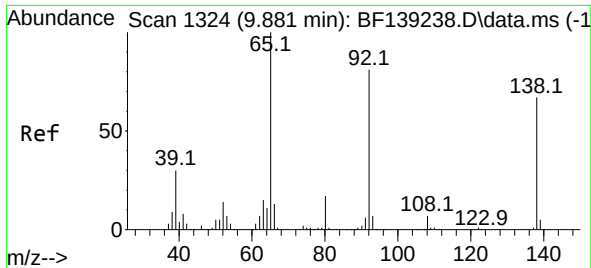
Ion Ratio Lower Upper

154 100

153 111.9 87.8 131.6

152 52.5 41.7 62.5

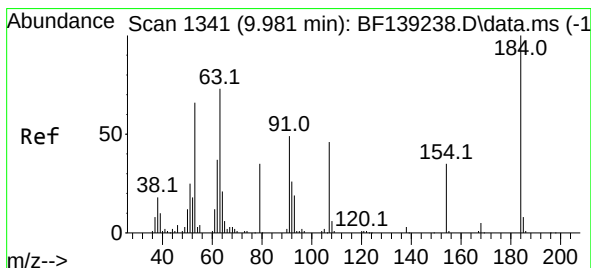
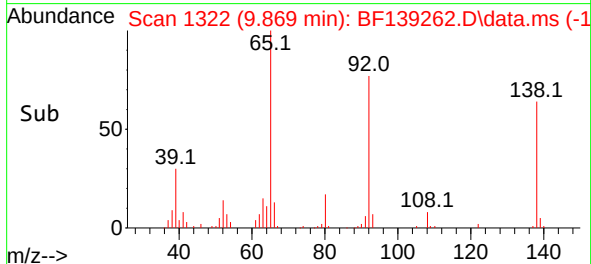
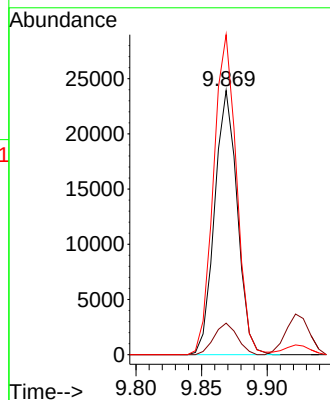
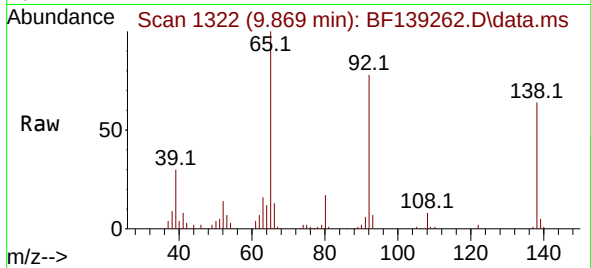




#53
3-Nitroaniline
Concen: 8.602 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

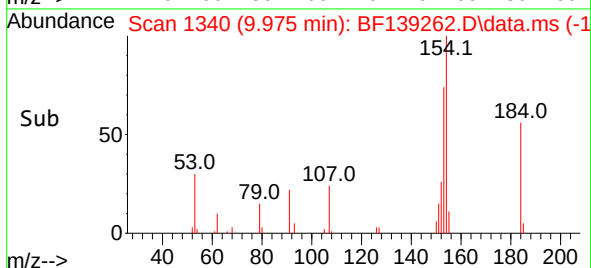
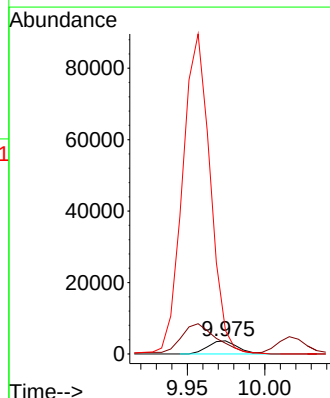
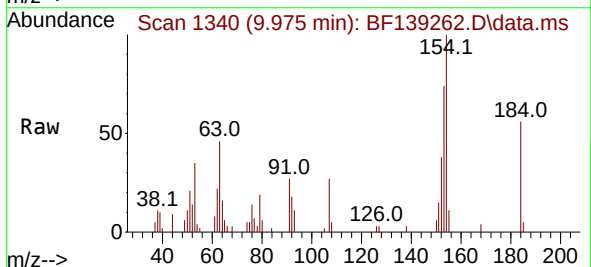
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

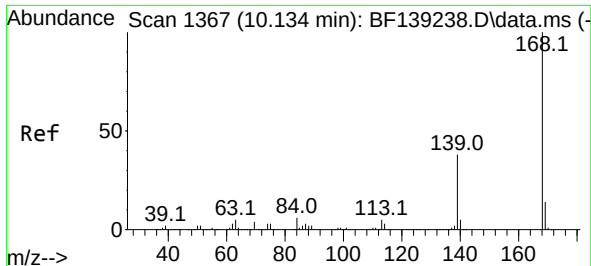
Tgt Ion:138 Resp: 28677
Ion Ratio Lower Upper
138 100
108 11.9 8.6 13.0
92 121.1 96.4 144.6



#54
2,4-Dinitrophenol
Concen: 10.223 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Tgt Ion:184 Resp: 4881
Ion Ratio Lower Upper
184 100
63 81.5 66.4 99.6
154 178.2 97.0 145.6#

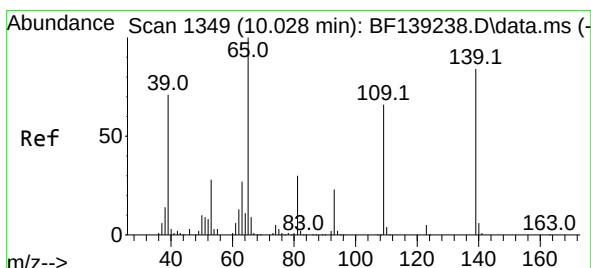
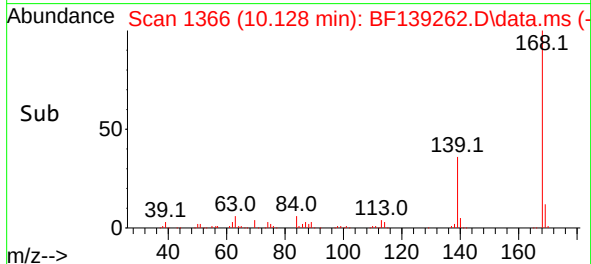
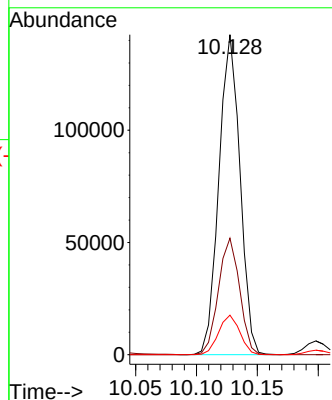
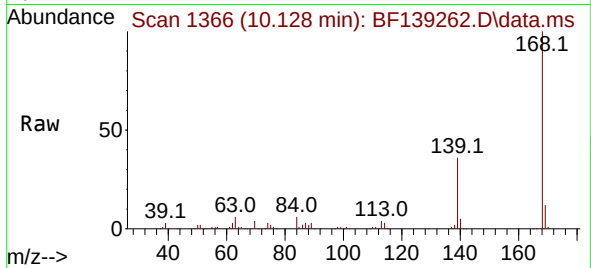




#55
Dibenzofuran
Concen: 9.435 ng
RT: 10.128 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

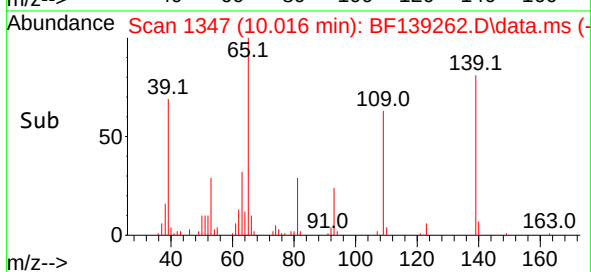
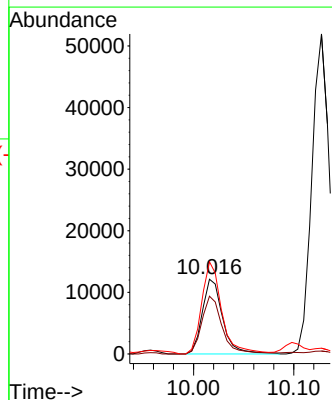
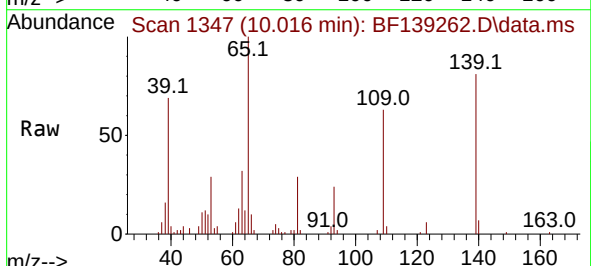
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

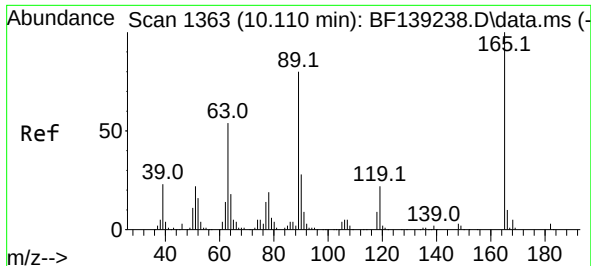
Tgt Ion:168 Resp: 172032
Ion Ratio Lower Upper
168 100
139 36.4 30.2 45.4
169 12.4 10.8 16.2



#56
4-Nitrophenol
Concen: 6.962 ng
RT: 10.016 min Scan# 1347
Delta R.T. -0.012 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

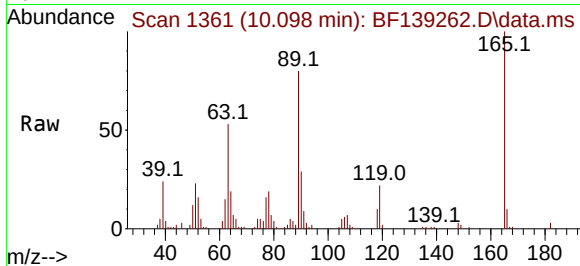
Tgt Ion:139 Resp: 17131
Ion Ratio Lower Upper
139 100
109 77.5 58.7 98.7
65 123.5 100.3 140.3



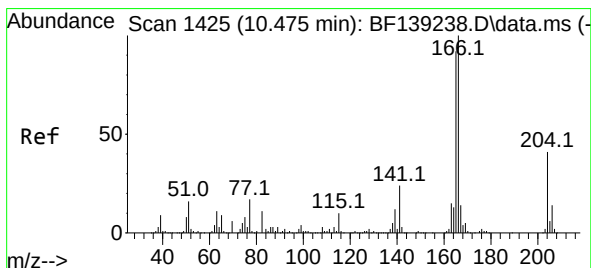
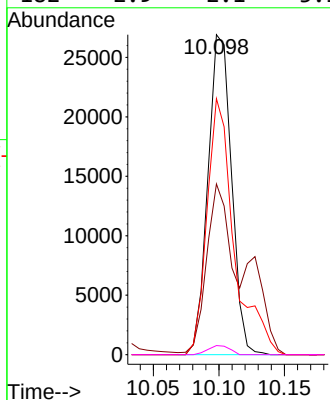
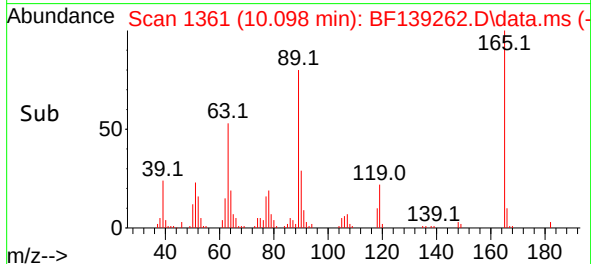


#57
2,4-Dinitrotoluene
Concen: 8.466 ng
RT: 10.098 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

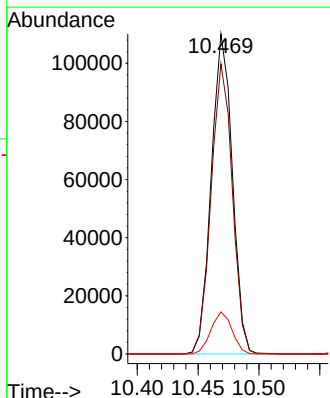
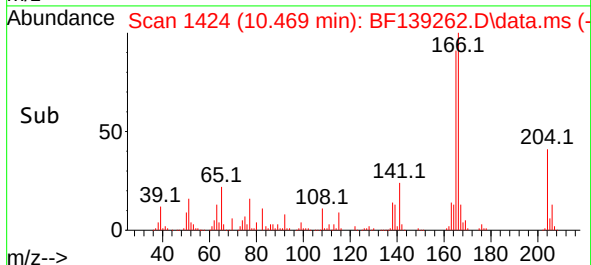
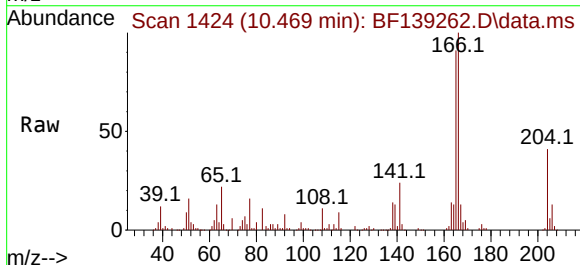


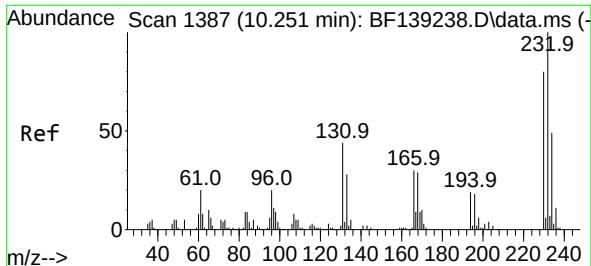
Tgt Ion:165 Resp: 33719
Ion Ratio Lower Upper
165 100
63 53.3 43.4 65.0
89 80.0 64.2 96.4
182 2.9 2.1 3.1



#58
Fluorene
Concen: 9.355 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Tgt Ion:166 Resp: 132253
Ion Ratio Lower Upper
166 100
165 90.7 73.7 110.5
167 13.2 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 8.727 ng

RT: 10.239 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:232 Resp: 30327

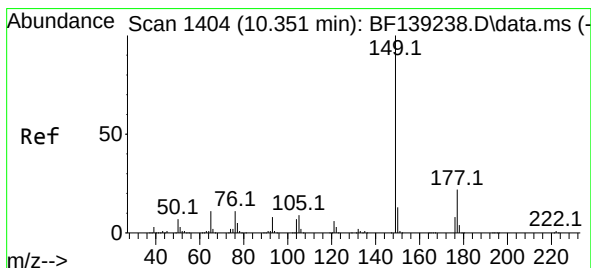
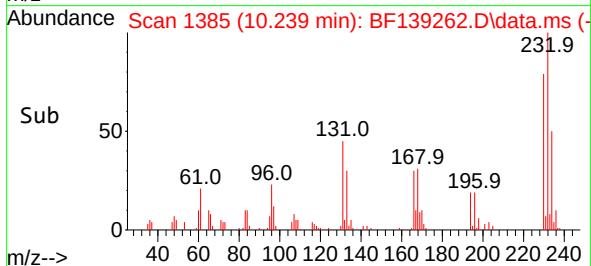
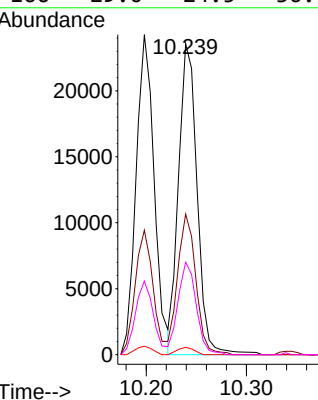
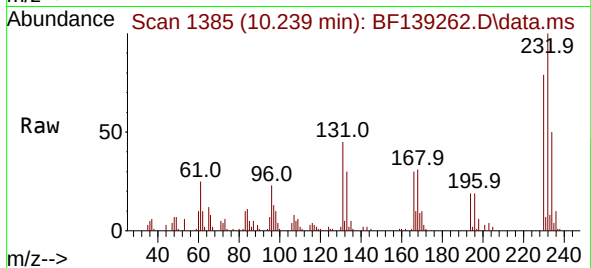
Ion Ratio Lower Upper

232 100

131 44.0 37.7 56.5

130 2.1 1.9 2.9

166 29.0 24.5 36.7



#60

Diethylphthalate

Concen: 8.989 ng

RT: 10.339 min Scan# 1402

Delta R.T. -0.012 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

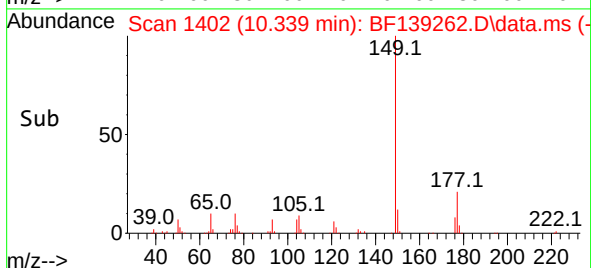
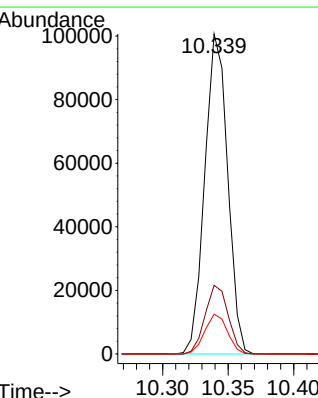
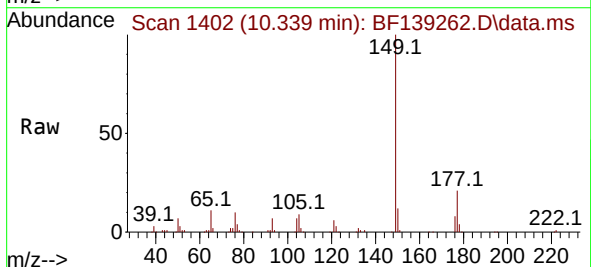
Tgt Ion:149 Resp: 122014

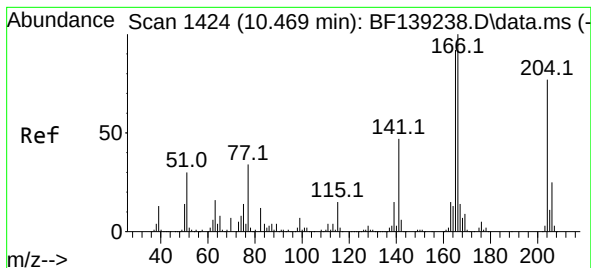
Ion Ratio Lower Upper

149 100

177 21.5 17.7 26.5

150 12.4 10.2 15.2

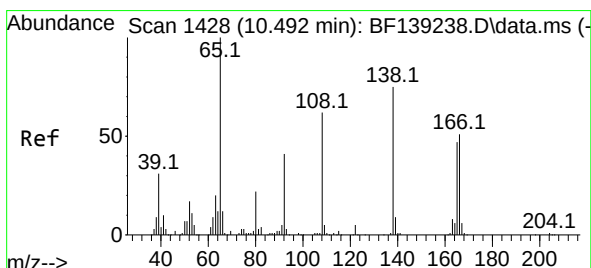
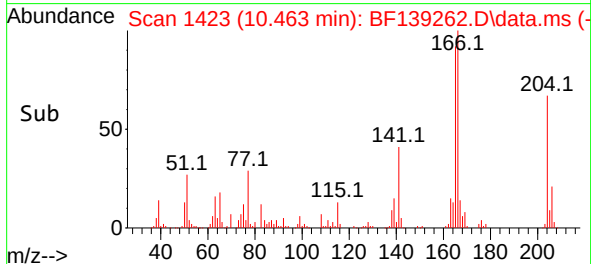
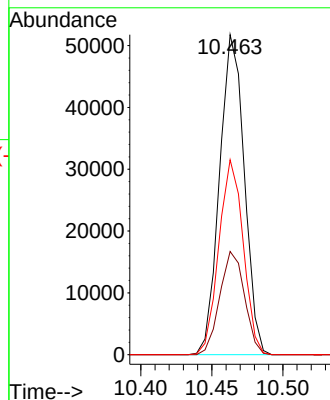
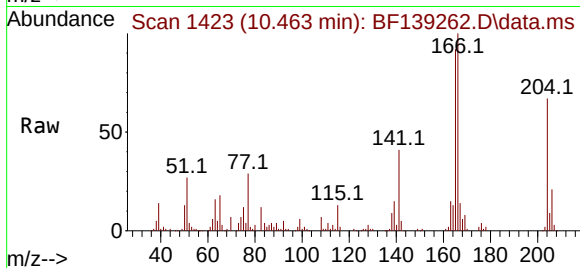




#61
4-Chlorophenyl-phenylether
Concen: 9.203 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

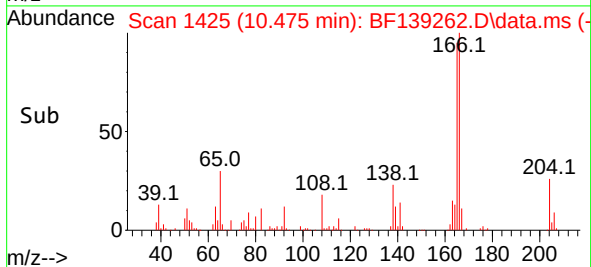
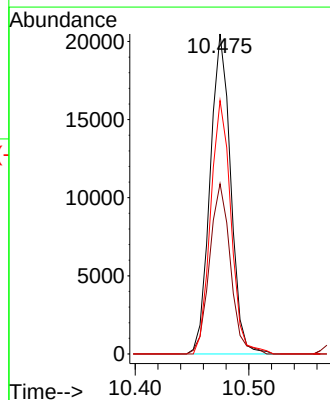
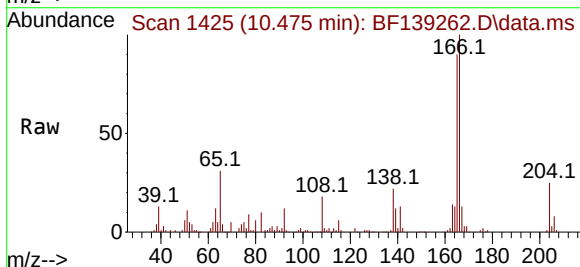
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

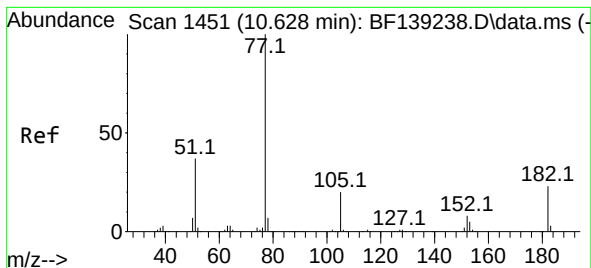
Tgt Ion:204 Resp: 62740
Ion Ratio Lower Upper
204 100
206 32.2 25.8 38.8
141 60.9 48.6 72.8



#62
4-Nitroaniline
Concen: 8.105 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.018 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Tgt Ion:138 Resp: 25720
Ion Ratio Lower Upper
138 100
92 53.2 34.4 74.4
108 79.2 62.7 102.7





#63

Azobenzene

Concen: 8.887 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 77 Resp: 127133

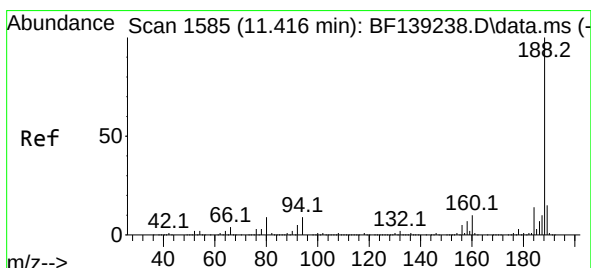
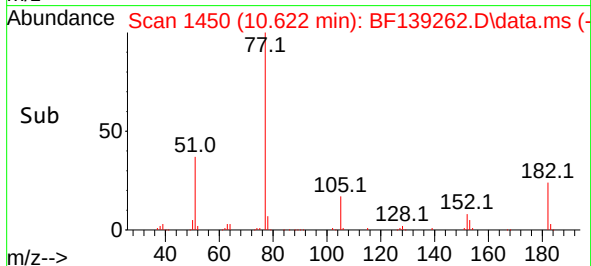
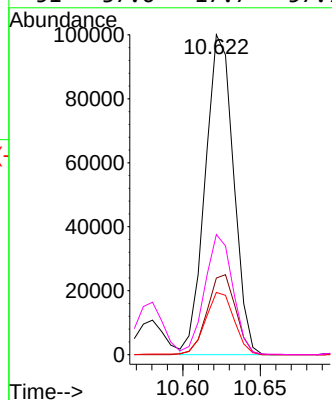
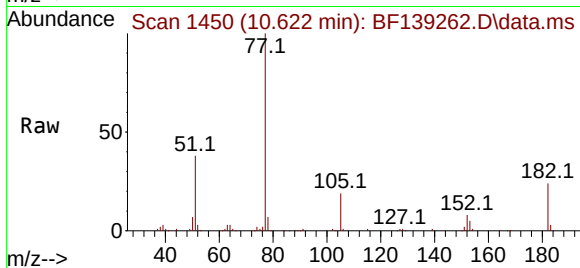
Ion Ratio Lower Upper

77 100

182 24.0 3.0 43.0

105 19.4 0.0 39.4

51 37.6 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: BF139262.D

Acq: 05 Sep 2024 17:25

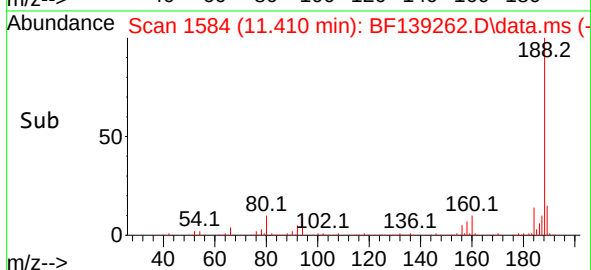
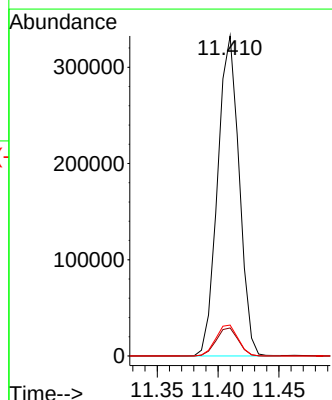
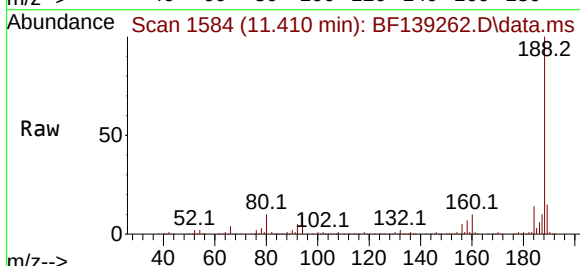
Tgt Ion: 188 Resp: 410152

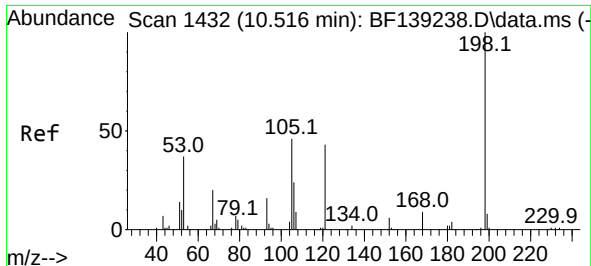
Ion Ratio Lower Upper

188 100

94 8.7 7.0 10.4

80 9.6 7.3 10.9

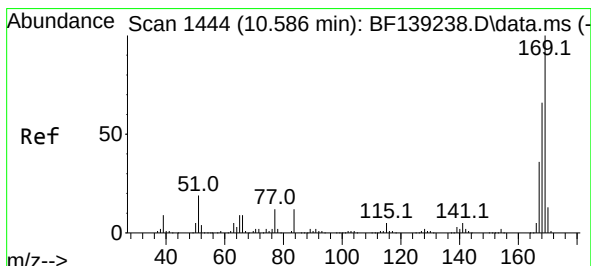
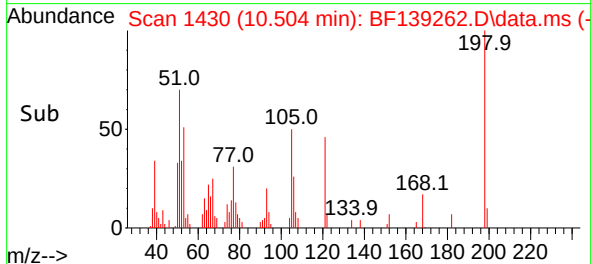
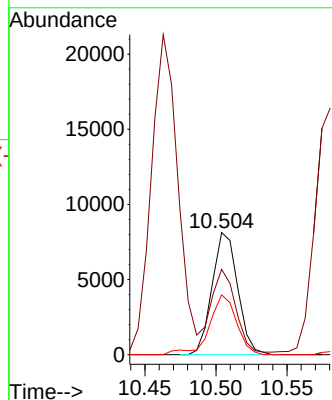
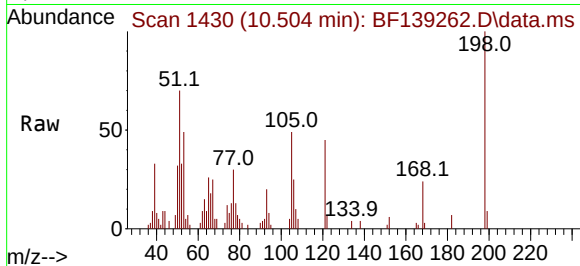




#65
4,6-Dinitro-2-methylphenol
Concen: 5.384 ng
RT: 10.504 min Scan# 1432
Delta R.T. -0.012 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

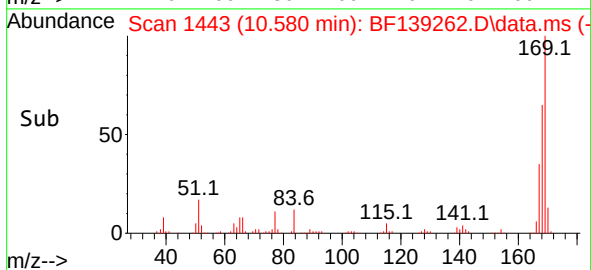
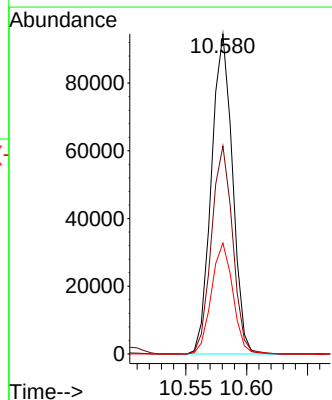
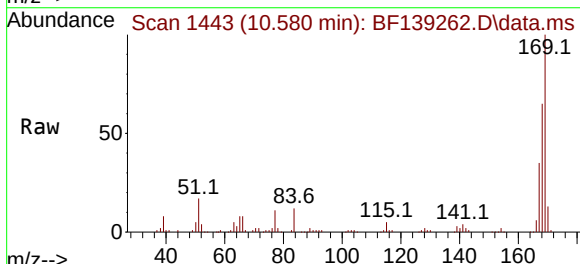
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

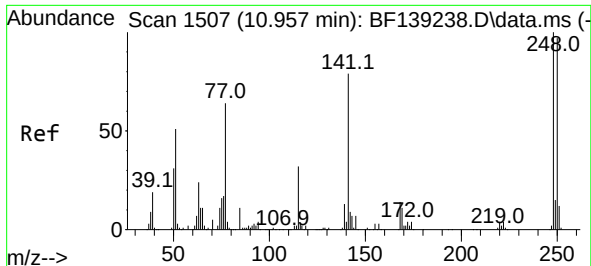
Tgt Ion:198 Resp: 10204
Ion Ratio Lower Upper
198 100
51 69.8 47.2 87.2
105 49.0 27.1 67.1



#66
n-Nitrosodiphenylamine
Concen: 9.504 ng
RT: 10.580 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Tgt Ion:169 Resp: 113468
Ion Ratio Lower Upper
169 100
168 65.0 53.0 79.6
167 34.7 29.0 43.6

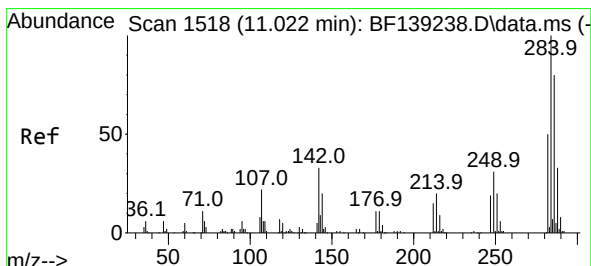
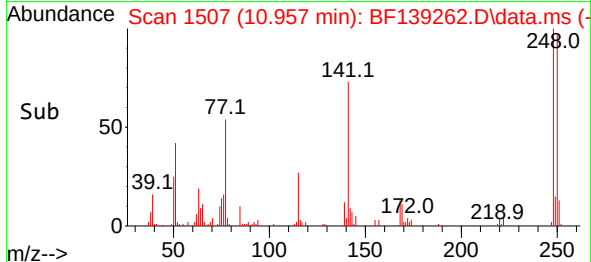
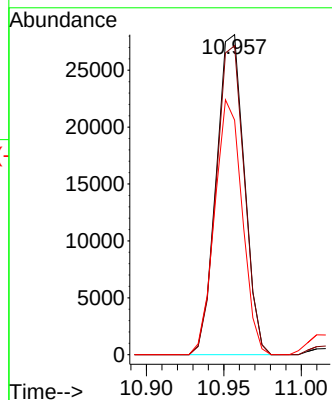
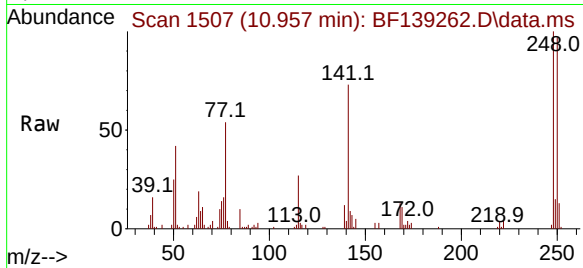




#67
4-Bromophenyl-phenylether
Concen: 8.919 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

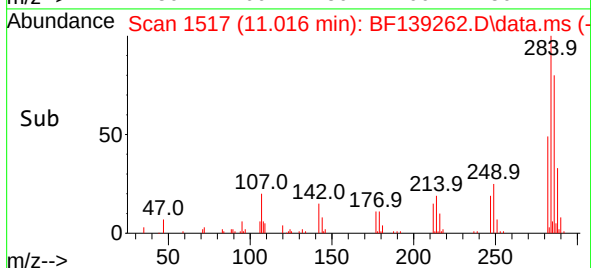
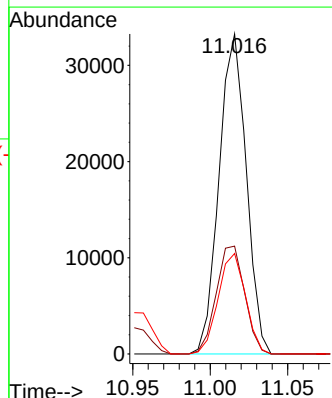
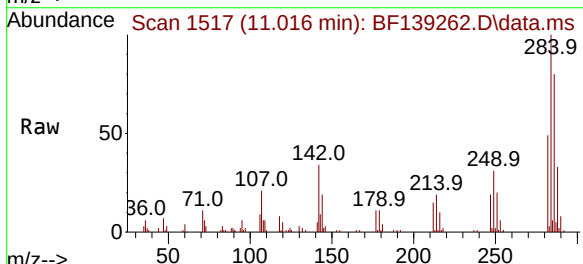
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

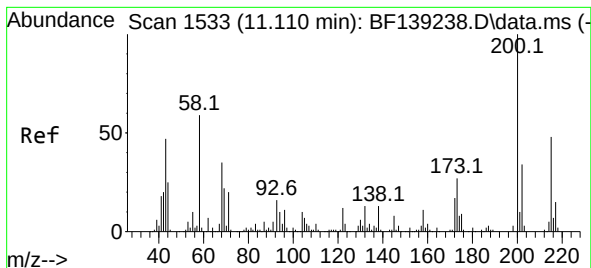
Tgt Ion:248 Resp: 35492
Ion Ratio Lower Upper
248 100
250 96.6 77.2 115.8
141 73.3 63.6 95.4



#68
Hexachlorobenzene
Concen: 8.907 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Tgt Ion:284 Resp: 40577
Ion Ratio Lower Upper
284 100
142 33.7 26.5 39.7
249 31.4 24.8 37.2





#69

Atrazine

Concen: 11.310 ng

RT: 11.104 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

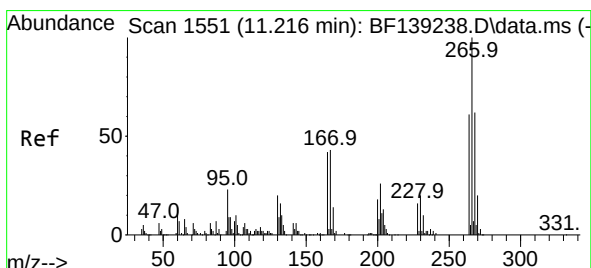
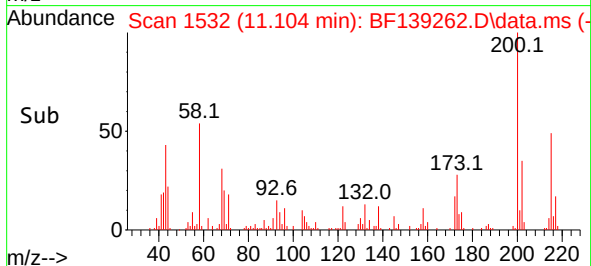
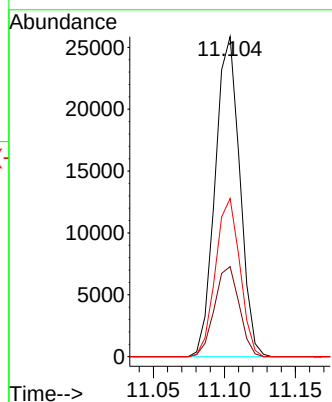
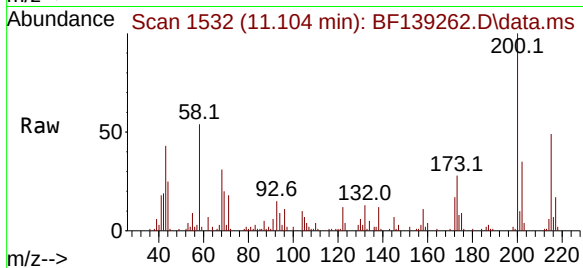
Tgt Ion:200 Resp: 31154

Ion Ratio Lower Upper

200 100

173 28.1 7.1 47.1

215 49.5 28.5 68.5



#70

Pentachlorophenol

Concen: 6.236 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.006 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

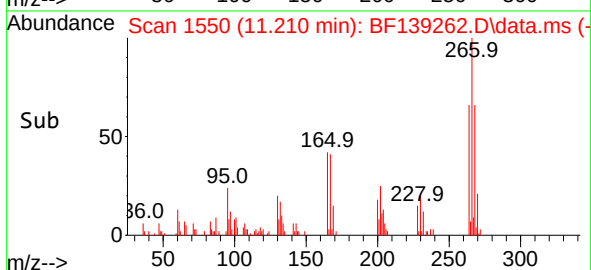
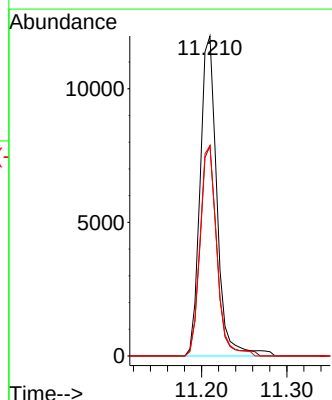
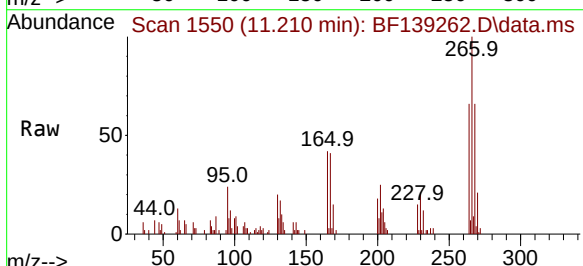
Tgt Ion:266 Resp: 16409

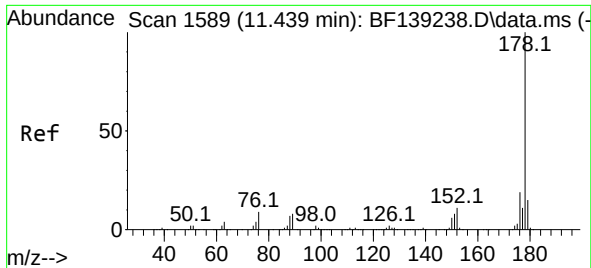
Ion Ratio Lower Upper

266 100

268 65.7 49.7 74.5

264 65.7 49.2 73.8

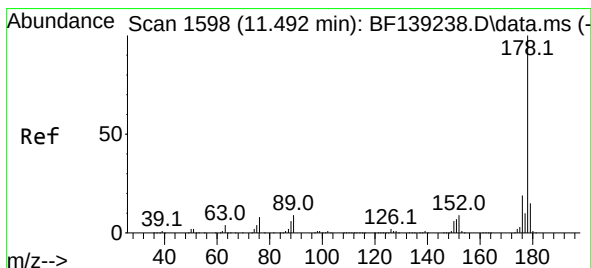
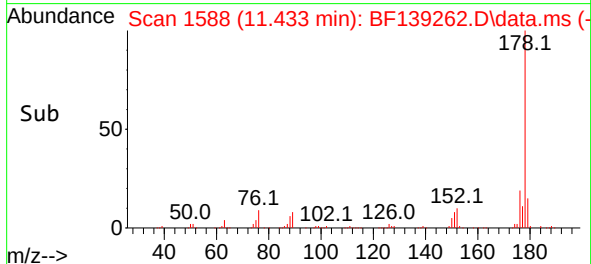
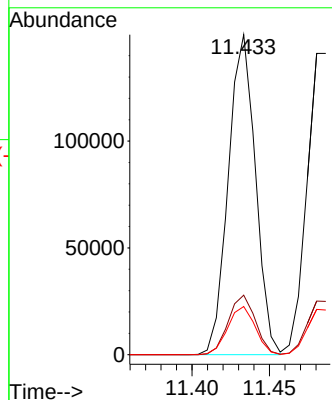
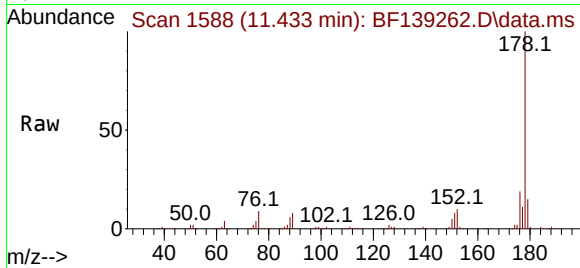




#71
Phenanthrene
Concen: 9.528 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

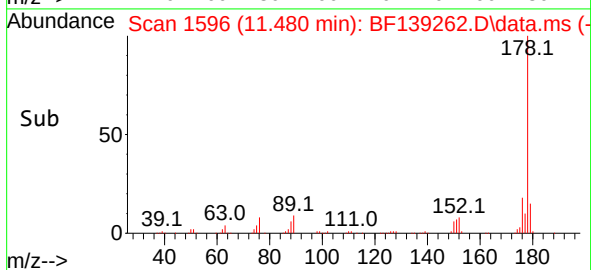
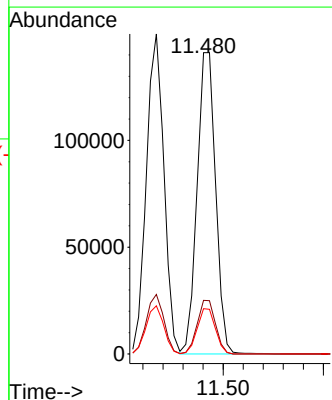
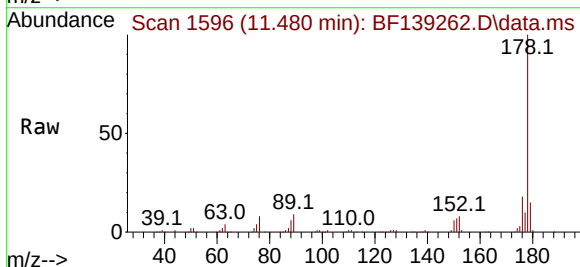
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

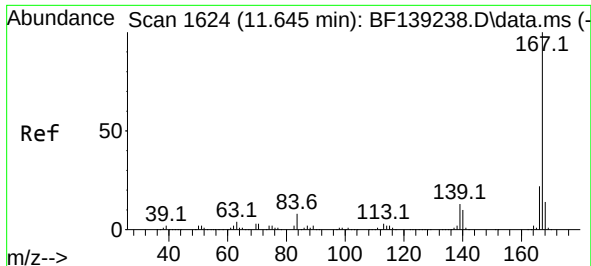
Tgt Ion:178 Resp: 182554
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 15.1 12.3 18.5



#72
Anthracene
Concen: 9.701 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.012 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

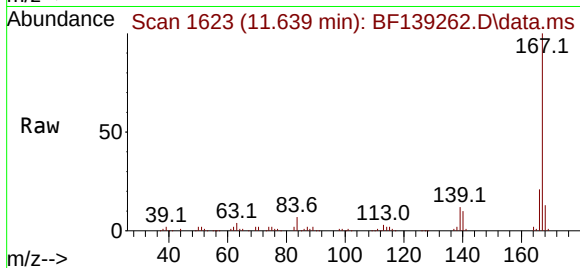
Tgt Ion:178 Resp: 181582
Ion Ratio Lower Upper
178 100
176 17.8 15.0 22.4
179 15.0 12.3 18.5



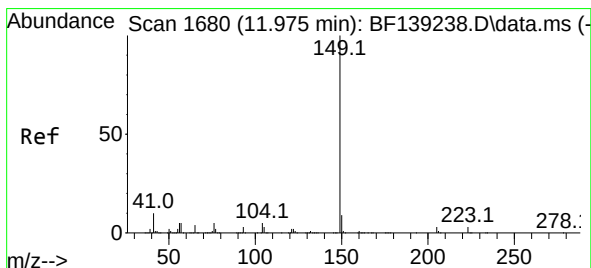
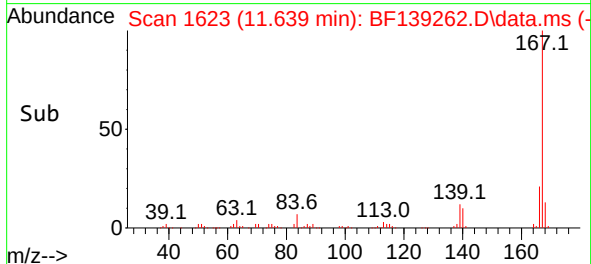
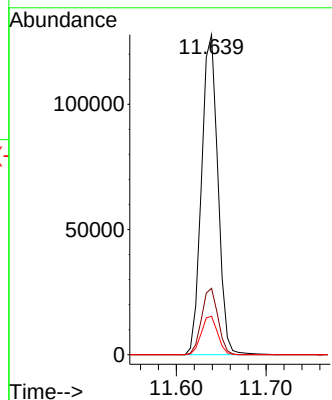


#73
Carbazole
Concen: 9.248 ng
RT: 11.639 min Scan# 1673
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

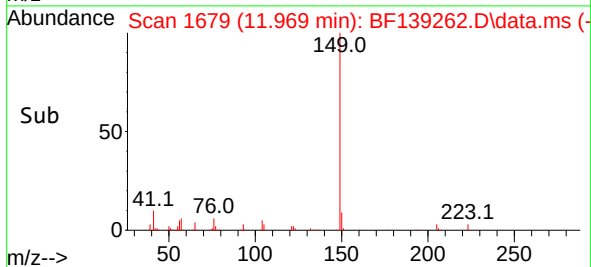
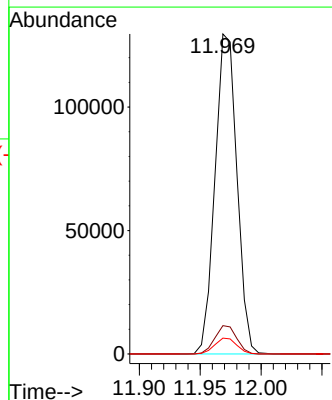
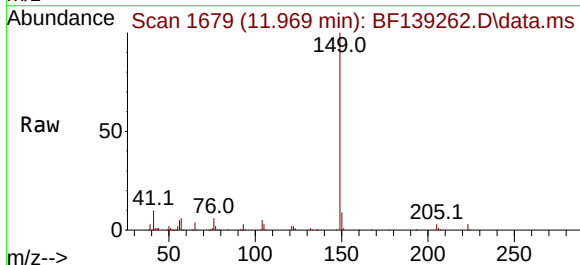


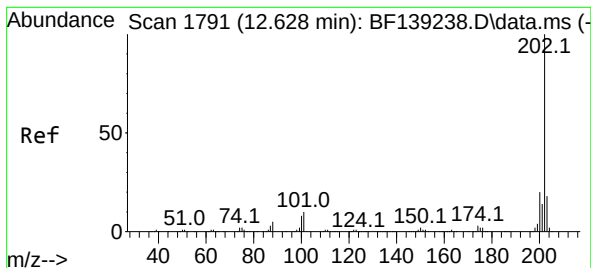
Tgt Ion:167 Resp: 161783
Ion Ratio Lower Upper
167 100
166 20.8 17.2 25.8
139 12.0 10.2 15.4



#74
Di-n-butylphthalate
Concen: 9.066 ng
RT: 11.969 min Scan# 1679
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Tgt Ion:149 Resp: 162398
Ion Ratio Lower Upper
149 100
150 8.8 7.5 11.3
104 4.9 3.9 5.9





#75

Fluoranthene

Concen: 9.319 ng

RT: 12.621 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

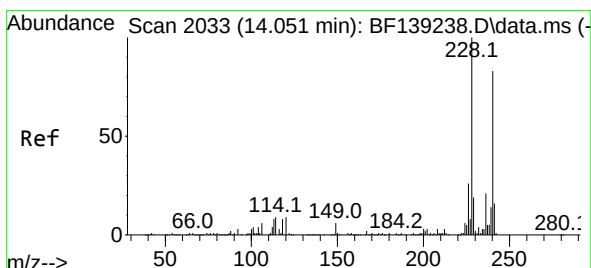
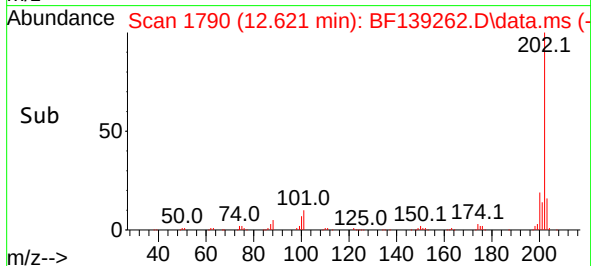
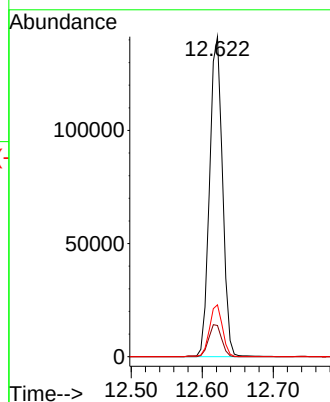
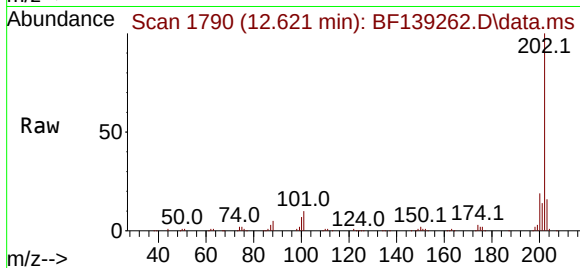
Tgt Ion:202 Resp: 179004

Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.9

203 16.2 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

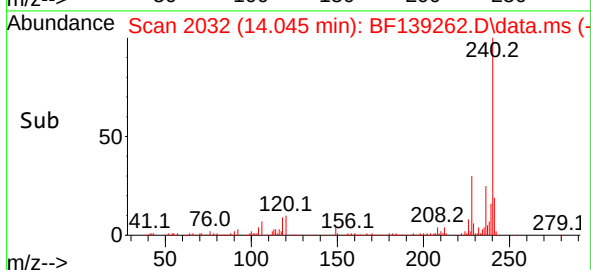
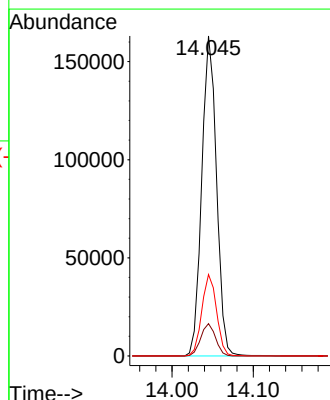
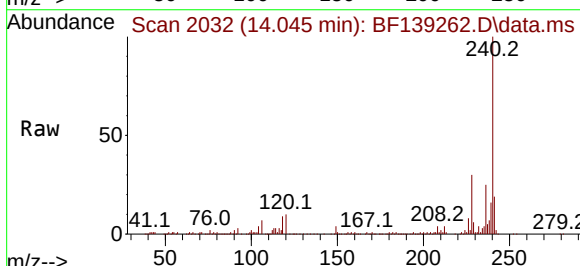
Tgt Ion:240 Resp: 205994

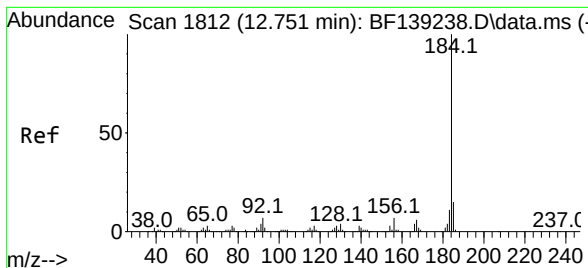
Ion Ratio Lower Upper

240 100

120 10.1 8.6 12.8

236 25.4 20.7 31.1





#77

Benzidine

Concen: 10.666 ng

RT: 12.745 min Scan# 1811

Delta R.T. -0.006 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

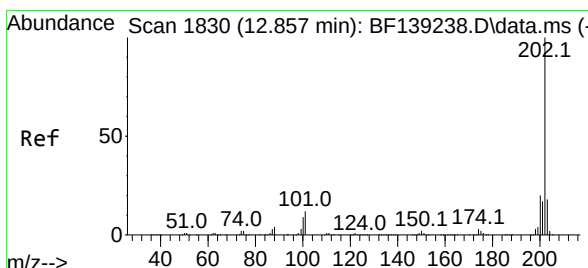
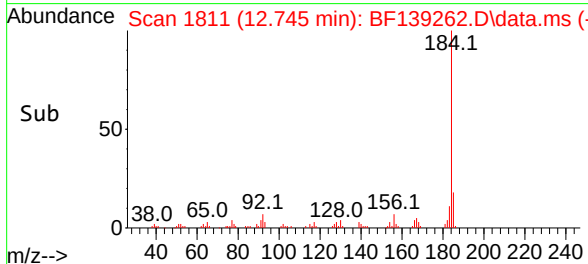
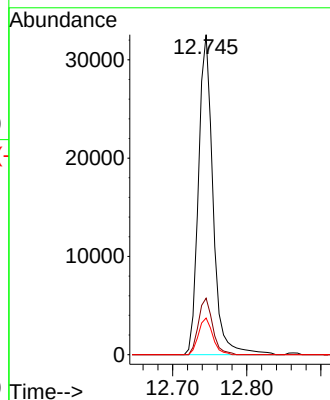
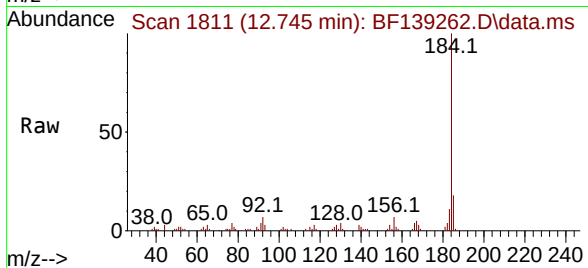
Tgt Ion:184 Resp: 44242

Ion Ratio Lower Upper

184 100

185 17.6 11.9 17.9

183 11.5 8.8 13.2



#78

Pyrene

Concen: 9.080 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

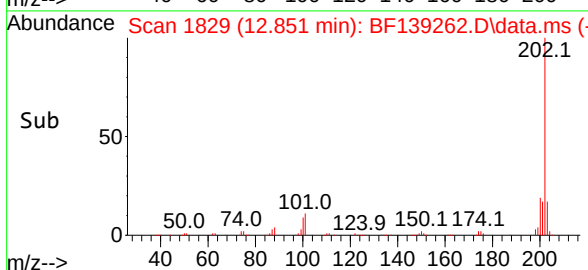
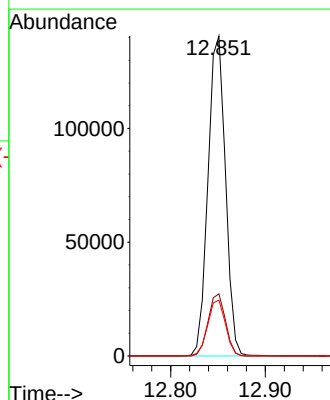
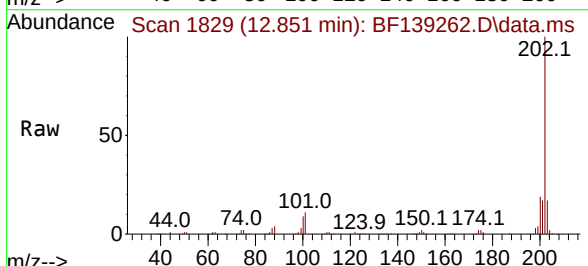
Tgt Ion:202 Resp: 180679

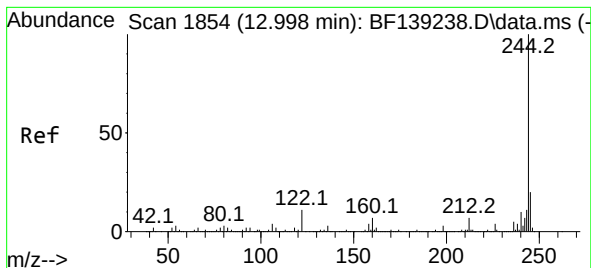
Ion Ratio Lower Upper

202 100

200 19.4 15.8 23.8

203 17.5 14.1 21.1





#79

Terphenyl-d14

Concen: 86.949 ng

RT: 12.998 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

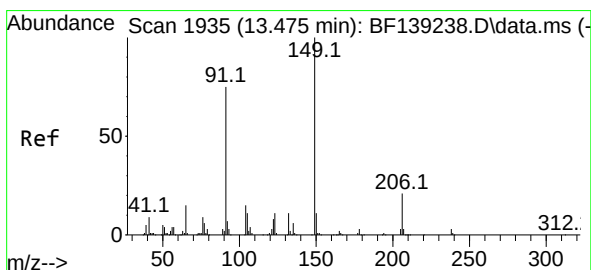
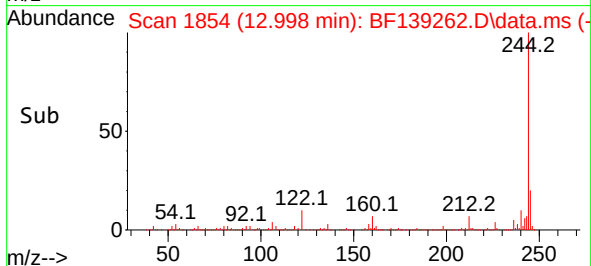
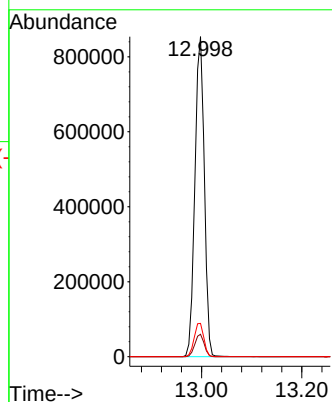
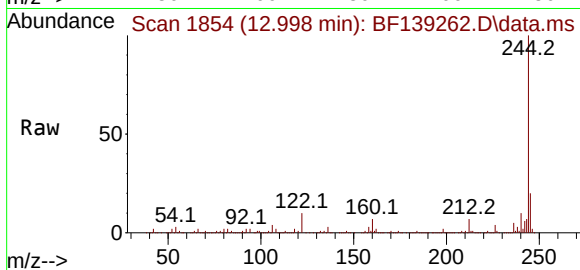
Tgt Ion:244 Resp: 1109321

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 10.4 8.7 13.1



#80

Butylbenzylphthalate

Concen: 8.094 ng

RT: 13.469 min Scan# 1934

Delta R.T. -0.006 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

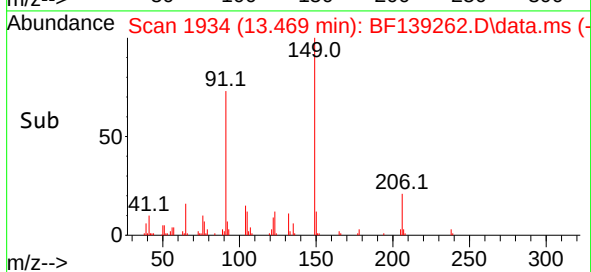
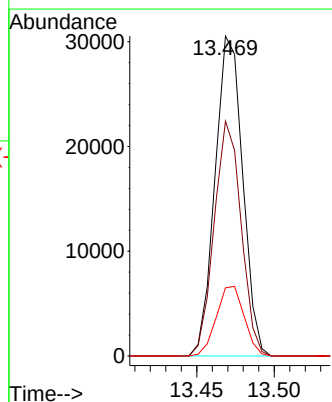
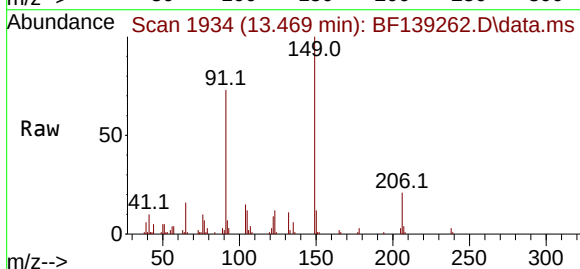
Tgt Ion:149 Resp: 37916

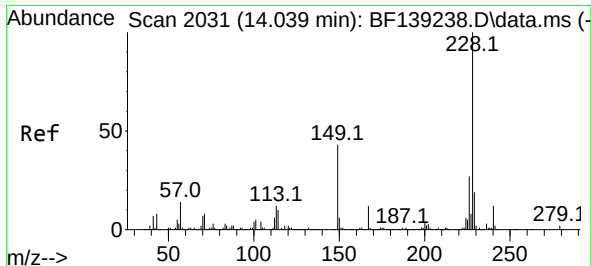
Ion Ratio Lower Upper

149 100

91 73.4 60.3 90.5

206 21.3 16.7 25.1

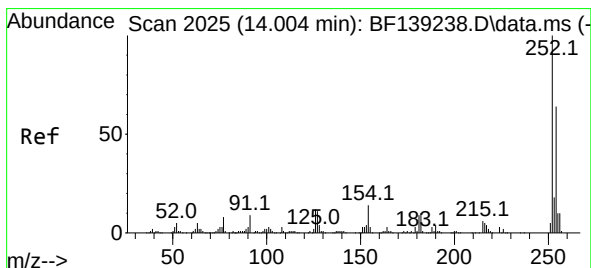
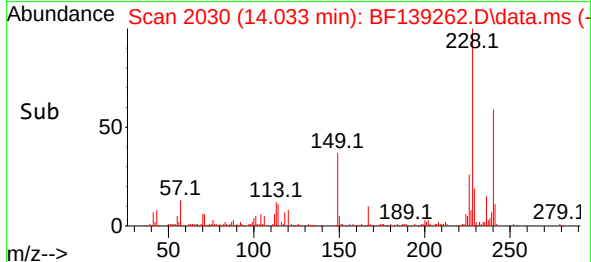
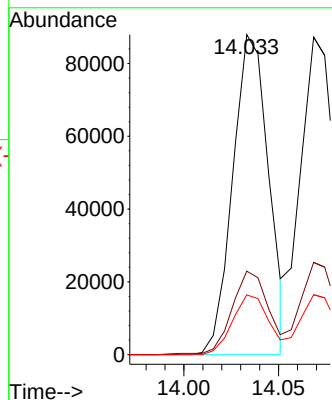
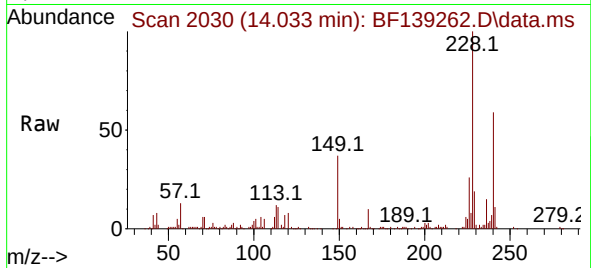




#81
Benzo(a)anthracene
Concen: 8.801 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

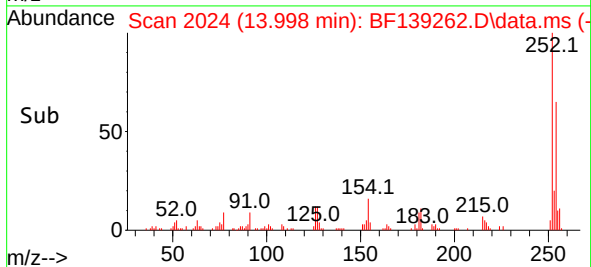
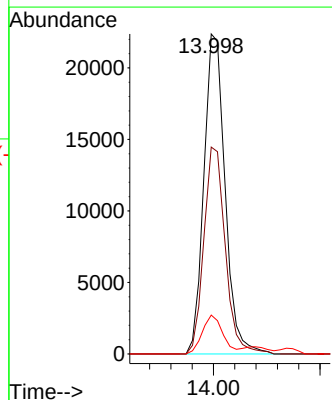
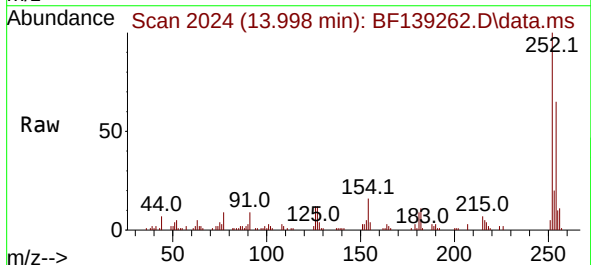
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

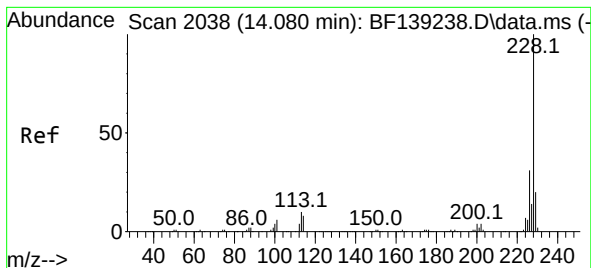
Tgt Ion:228 Resp: 115765
Ion Ratio Lower Upper
228 100
226 26.1 21.5 32.3
229 18.7 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 8.878 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Tgt Ion:252 Resp: 31012
Ion Ratio Lower Upper
252 100
254 64.6 51.5 77.3
126 12.1 9.2 13.8





#83

Chrysene

Concen: 9.197 ng

RT: 14.068 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

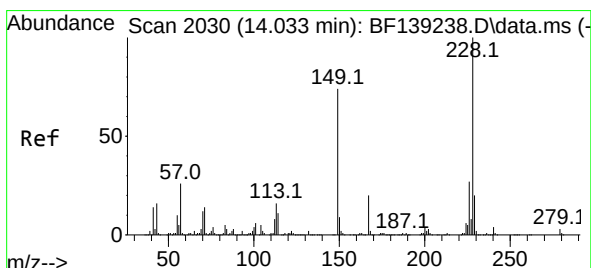
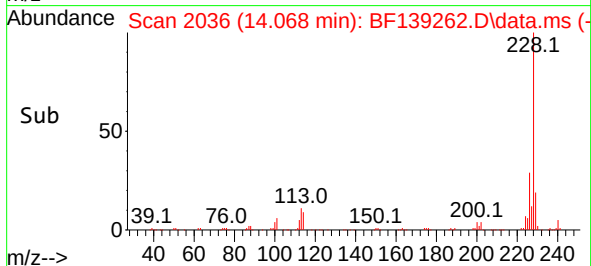
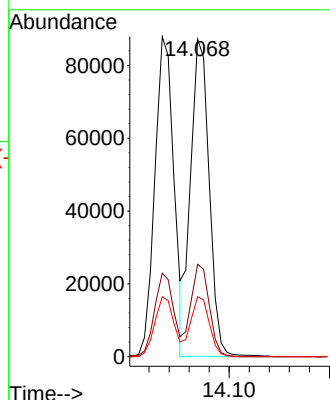
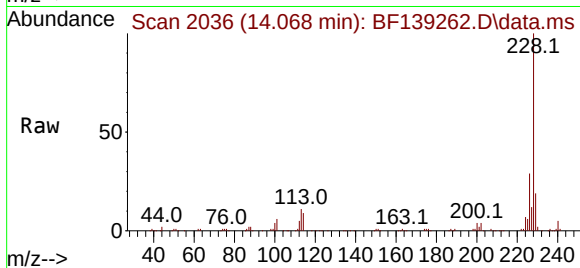
Tgt Ion:228 Resp: 112910

Ion Ratio Lower Upper

228 100

226 29.1 23.8 35.8

229 18.9 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.693 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

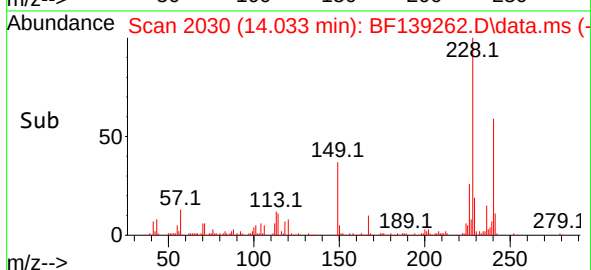
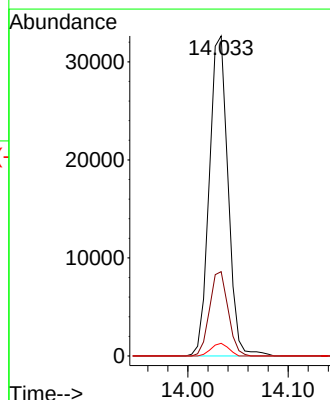
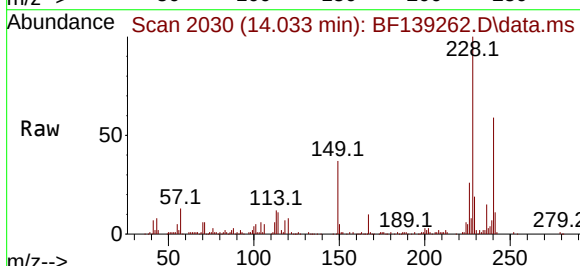
Tgt Ion:149 Resp: 42301

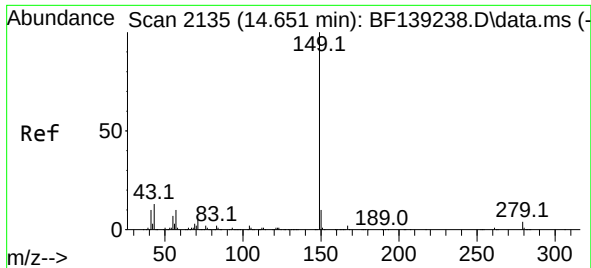
Ion Ratio Lower Upper

149 100

167 26.4 21.8 32.6

279 4.0 3.0 4.6

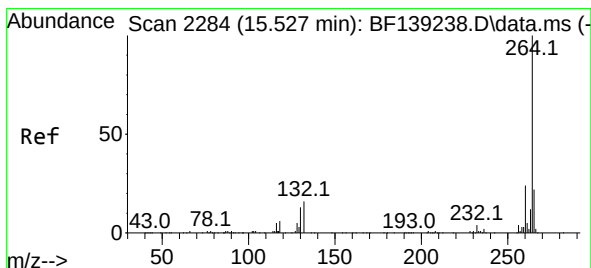
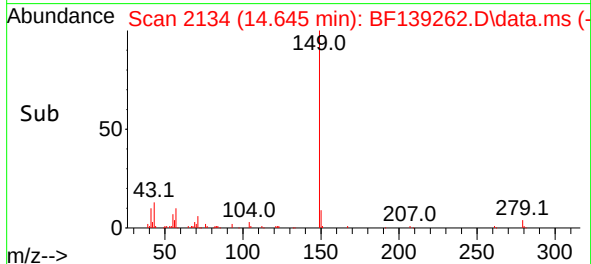
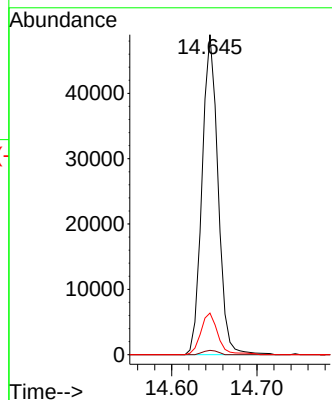
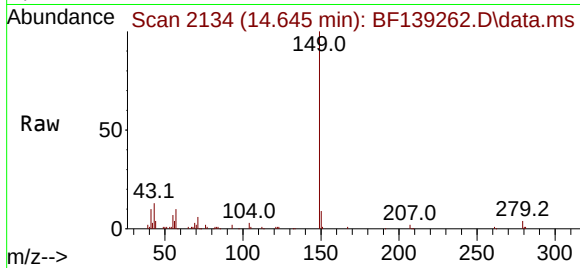




#85
Di-n-octyl phthalate
Concen: 6.058 ng
RT: 14.645 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

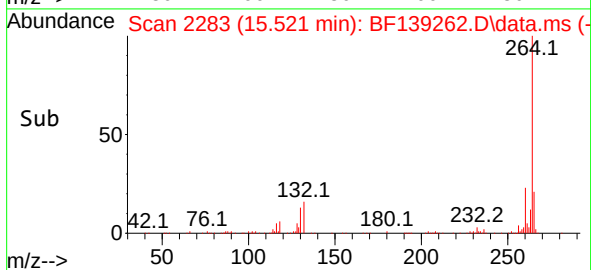
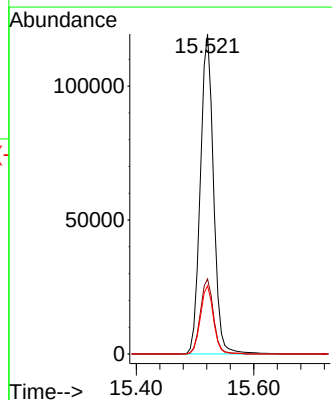
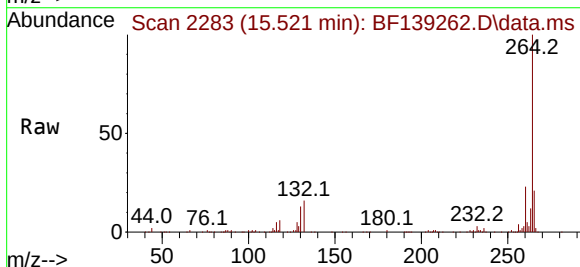
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

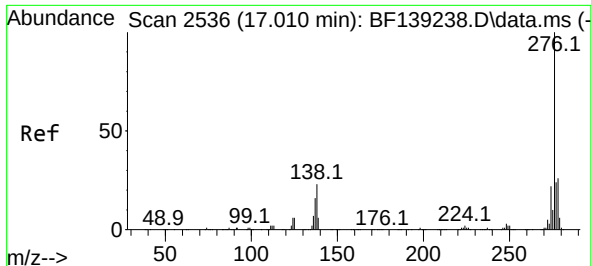
Tgt Ion:149 Resp: 63771
Ion Ratio Lower Upper
149 100
167 1.3 1.3 1.9#
43 14.0 10.9 16.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.006 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Tgt Ion:264 Resp: 186028
Ion Ratio Lower Upper
264 100
260 23.5 18.8 28.2
265 21.3 17.3 25.9

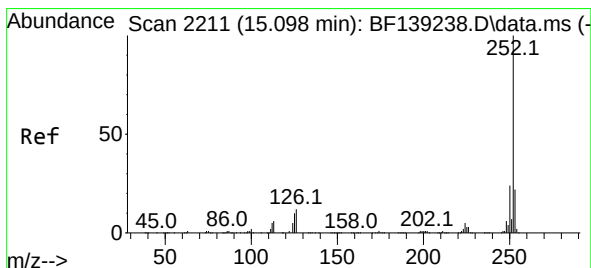
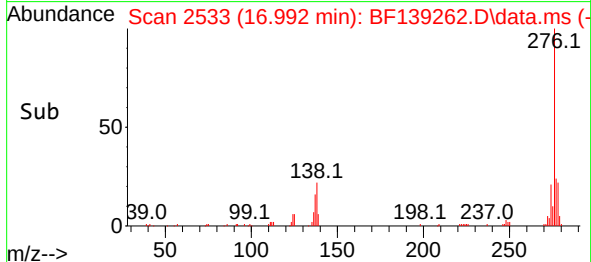
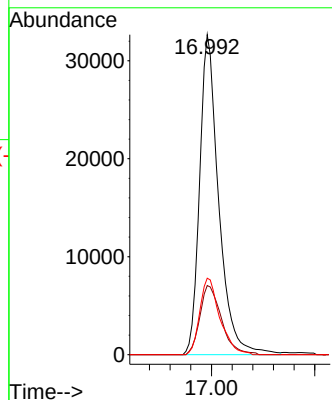
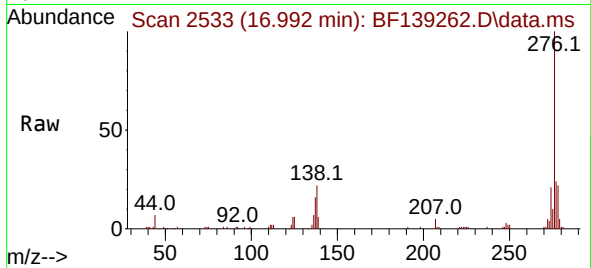




#87
Indeno(1,2,3-cd)pyrene
Concen: 7.210 ng
RT: 16.992 min Scan# 2109
Delta R.T. -0.018 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

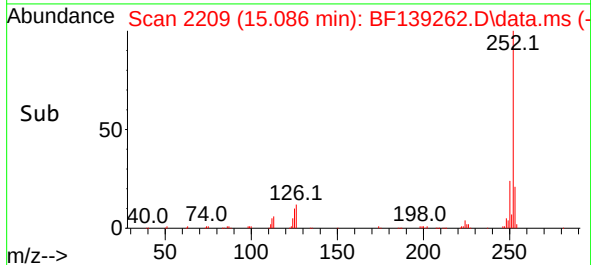
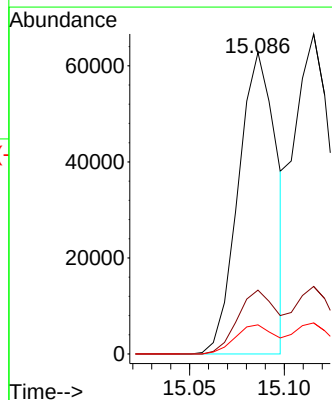
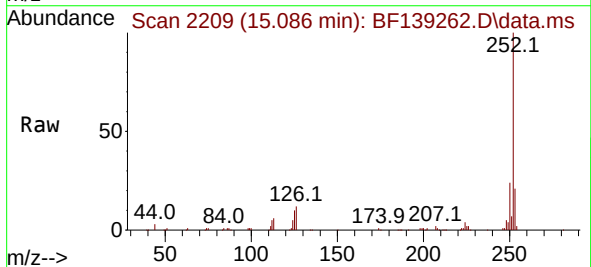
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

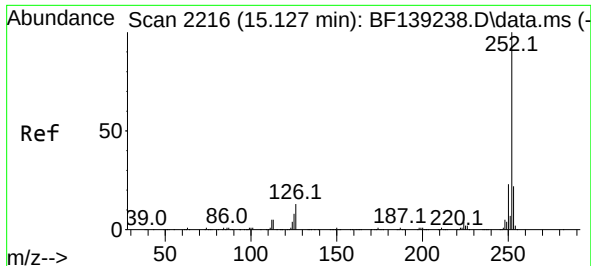
Tgt Ion:276 Resp: 83790
Ion Ratio Lower Upper
276 100
138 24.4 20.4 30.6
277 25.1 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 8.207 ng
RT: 15.086 min Scan# 2209
Delta R.T. -0.012 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Tgt Ion:252 Resp: 87929
Ion Ratio Lower Upper
252 100
253 21.2 17.6 26.4
125 9.7 7.6 11.4





#89

Benzo(k)fluoranthene

Concen: 10.113 ng

RT: 15.115 min Scan# 2214

Delta R.T. -0.012 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

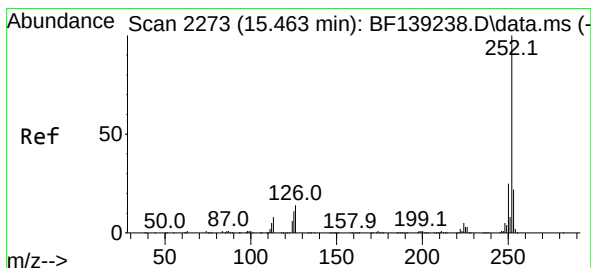
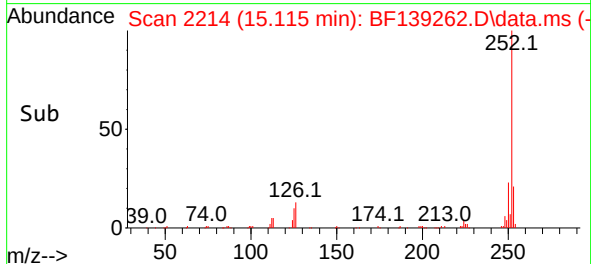
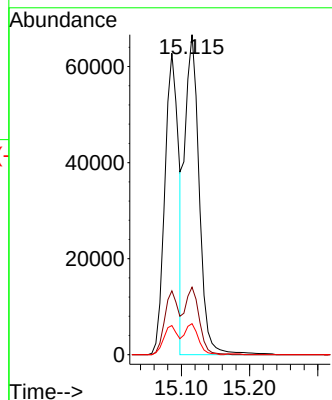
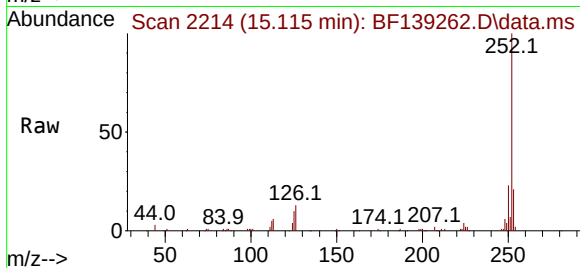
Tgt Ion:252 Resp: 97147

Ion Ratio Lower Upper

252 100

253 21.1 17.6 26.4

125 9.7 7.2 10.8



#90

Benzo(a)pyrene

Concen: 9.000 ng

RT: 15.457 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF139262.D

Acq: 05 Sep 2024 17:25

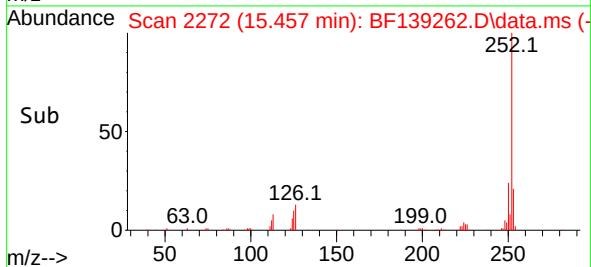
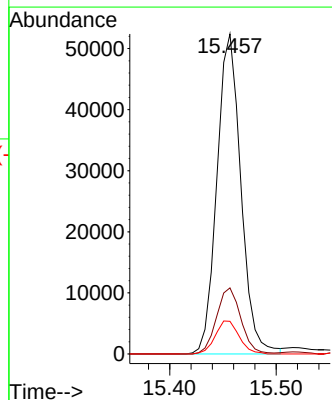
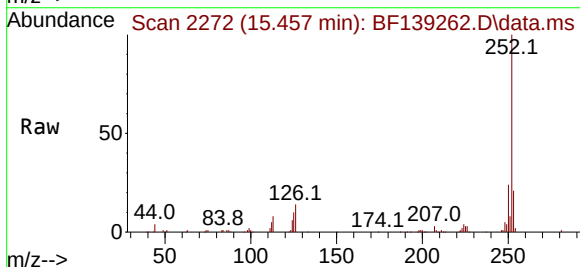
Tgt Ion:252 Resp: 81872

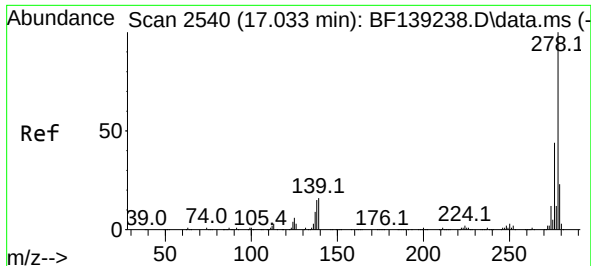
Ion Ratio Lower Upper

252 100

253 20.7 17.5 26.3

125 10.2 8.6 13.0

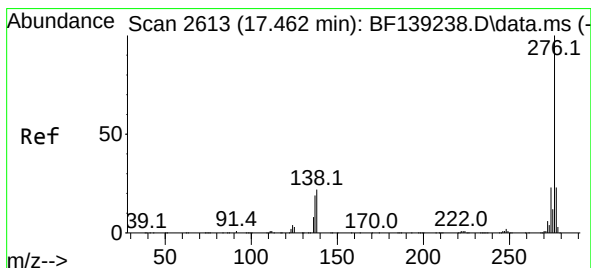
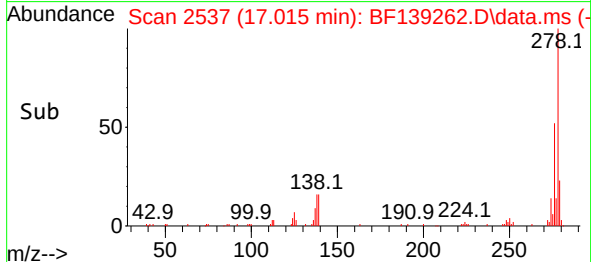
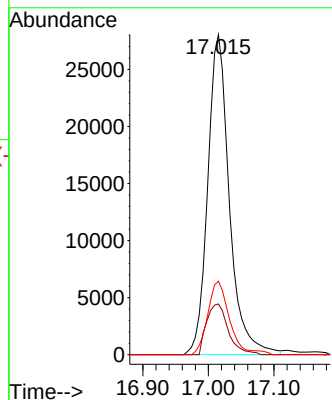
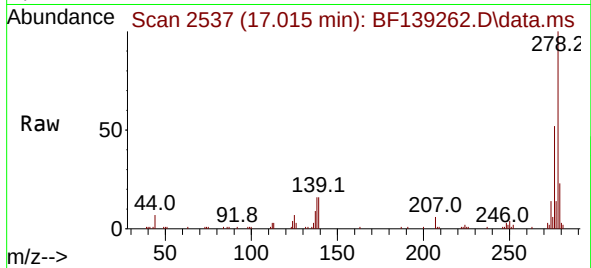




#91
Dibenzo(a,h)anthracene
Concen: 6.734 ng
RT: 17.015 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:278 Resp: 64495
Ion Ratio Lower Upper
278 100
139 15.9 12.6 19.0
279 22.9 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 6.729 ng
RT: 17.439 min Scan# 2609
Delta R.T. -0.024 min
Lab File: BF139262.D
Acq: 05 Sep 2024 17:25

Tgt Ion:276 Resp: 66519
Ion Ratio Lower Upper
276 100
277 24.6 18.6 27.8
138 20.2 17.4 26.0

