

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090524\
 Data File : BF139261.D
 Acq On : 05 Sep 2024 16:55
 Operator : RC/JU
 Sample : P2403-01
 Misc : LOD-MDL-SOIL-4ng
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Sep 05 17:25:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	125115	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	458226	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	250171	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	455918	20.000	ng	0.00
76) Chrysene-d12	14.045	240	225688	20.000	ng	0.00
86) Perylene-d12	15.521	264	210287	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	841470	112.510	ng	0.00
7) Phenol-d6	6.510	99	1129938	113.170	ng	0.00
23) Nitrobenzene-d5	7.451	82	720073	81.750	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	245578	113.679	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1259104	77.691	ng	0.00
79) Terphenyl-d14	12.992	244	1060766	75.888	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.675	88	14088	4.045	ng	99
3) Pyridine	3.481	79	29591	3.520	ng	98
4) n-Nitrosodimethylamine	3.369	42	20427	3.742	ng	# 97
6) Aniline	6.551	93	43934	4.785	ng	98
8) 2-Chlorophenol	6.669	128	32192	4.153	ng	# 75
9) Benzaldehyde	6.440	77	28291	4.681	ng	98
10) Phenol	6.522	94	42928	4.076	ng	# 29
11) bis(2-Chloroethyl)ether	6.622	93	31753	4.208	ng	99
12) 1,3-Dichlorobenzene	6.828	146	35789	4.079	ng	98
13) 1,4-Dichlorobenzene	6.904	146	35893	4.087	ng	96
14) 1,2-Dichlorobenzene	7.057	146	32914	4.019	ng	96
15) Benzyl Alcohol	7.022	79	39216	5.386	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	60483	4.211	ng	99
17) 2-Methylphenol	7.128	107	25206	3.981	ng	97
18) Hexachloroethane	7.398	117	11953	3.811	ng	98
19) n-Nitroso-di-n-propyla...	7.293	70	22874	3.978	ng	96
20) 3+4-Methylphenols	7.281	107	32784	4.108	ng	99
22) Acetophenone	7.287	105	47819	4.380	ng	97
24) Nitrobenzene	7.463	77	37517	4.013	ng	97
25) Isophorone	7.698	82	60997	4.051	ng	99
26) 2-Nitrophenol	7.781	139	13228	3.603	ng	99
27) 2,4-Dimethylphenol	7.816	122	20085	3.835	ng	98
28) bis(2-Chloroethoxy)met...	7.916	93	35674	3.976	ng	99
29) 2,4-Dichlorophenol	8.016	162	24959	3.981	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	28395	3.965	ng	98
31) Naphthalene	8.192	128	95108	4.099	ng	99
32) Benzoic acid	7.857	122	8079	1.694	ng	94
33) 4-Chloroaniline	8.234	127	35206	4.382	ng	98
34) Hexachlorobutadiene	8.310	225	17767	3.915	ng	99
35) Caprolactam	8.557	113	6911	3.560	ng	98
36) 4-Chloro-3-methylphenol	8.710	107	25768	3.771	ng	96
37) 2-Methylnaphthalene	8.881	142	60224	4.148	ng	99
38) 1-Methylnaphthalene	8.981	142	55841	3.911	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	29313	4.141	ng	99
41) Hexachlorocyclopentadiene	9.034	237	7896	3.471	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	17307	3.737	ng	97

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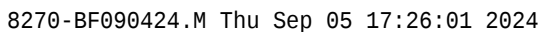
Instrument :
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 LOD-MDL-SOIL-01-QT2-2024

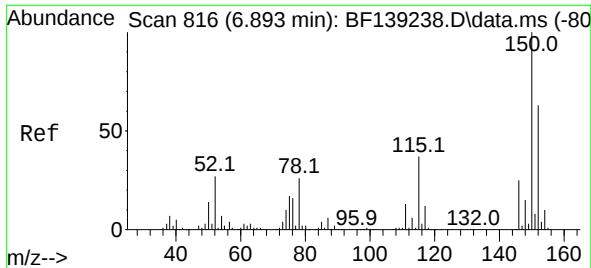
Quant Time: Sep 05 17:25:48 2024
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	17652	3.637	ng	97
46) 1,1'-Biphenyl	9.345	154	81477	4.396	ng	100
47) 2-Chloronaphthalene	9.369	162	57196	4.087	ng	98
48) 2-Nitroaniline	9.457	65	17688	3.669	ng	92
49) Acenaphthylene	9.781	152	92400	4.383	ng	99
50) Dimethylphthalate	9.639	163	62049	4.092	ng	99
51) 2,6-Dinitrotoluene	9.698	165	11966	3.479	ng	95
52) Acenaphthene	9.957	154	52903	3.784	ng	94
53) 3-Nitroaniline	9.869	138	12997	3.546	ng	92
54) 2,4-Dinitrophenol	9.975	184	1338	8.198	ng	# 43
55) Dibenzofuran	10.128	168	86436	4.312	ng	97
56) 4-Nitrophenol	10.016	139	6824	2.523	ng	92
57) 2,4-Dinitrotoluene	10.098	165	15058	3.439	ng	99
58) Fluorene	10.469	166	64764	4.167	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.239	232	13783	3.608	ng	# 98
60) Diethylphthalate	10.339	149	59463	3.985	ng	98
61) 4-Chlorophenyl-phenyle...	10.463	204	31901	4.256	ng	96
62) 4-Nitroaniline	10.475	138	11659	3.342	ng	98
63) Azobenzene	10.622	77	62276	3.960	ng	98
65) 4,6-Dinitro-2-methylph...	10.504	198	3642	1.729	ng	92
66) n-Nitrosodiphenylamine	10.581	169	54381	4.098	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	17363	3.925	ng	97
68) Hexachlorobenzene	11.016	284	20079	3.965	ng	99
69) Atrazine	11.098	200	15221	4.971	ng	97
70) Pentachlorophenol	11.210	266	6451	2.205	ng	97
71) Phenanthrene	11.433	178	91876	4.314	ng	97
72) Anthracene	11.480	178	86123	4.139	ng	99
73) Carbazole	11.633	167	75696	3.893	ng	98
74) Di-n-butylphthalate	11.969	149	72299	3.631	ng	99
75) Fluoranthene	12.616	202	84102	3.939	ng	99
77) Benzidine	12.745	184	19610	4.315	ng	95
78) Pyrene	12.845	202	88969	4.081	ng	99
80) Butylbenzylphthalate	13.469	149	16286	3.173	ng	98
81) Benzo(a)anthracene	14.033	228	56874	3.947	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	14026	3.665	ng	99
83) Chrysene	14.069	228	55106	4.097	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	17793	2.954	ng	98
85) Di-n-octyl phthalate	14.645	149	26509	2.298	ng	96
87) Indeno(1,2,3-cd)pyrene	16.992	276	38039	2.896	ng	98
88) Benzo(b)fluoranthene	15.086	252	42750	3.530	ng	99
89) Benzo(k)fluoranthene	15.116	252	44491	4.097	ng	99
90) Benzo(a)pyrene	15.457	252	38523	3.746	ng	99
91) Dibenzo(a,h)anthracene	17.015	278	28691	2.650	ng	97
92) Benzo(g,h,i)perylene	17.433	276	30798	2.756	ng	98

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

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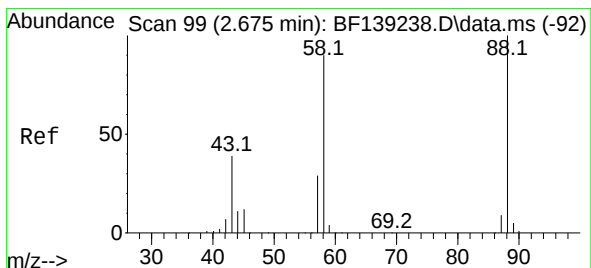
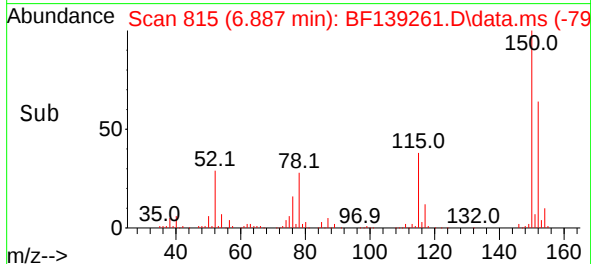
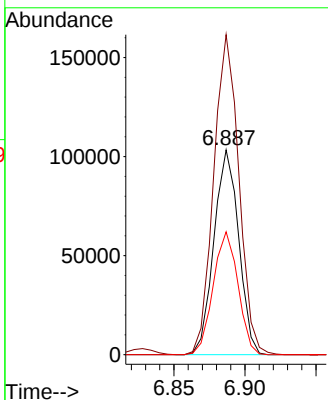
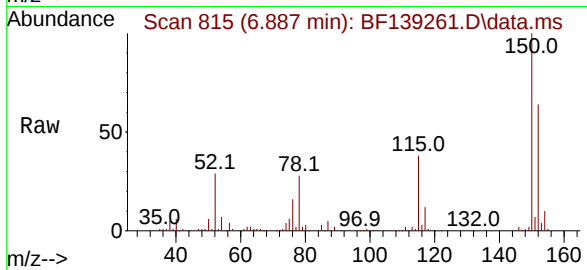




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 816
 Delta R.T. -0.006 min
 Lab File: BF139261.D
 Acq: 05 Sep 2024 16:55

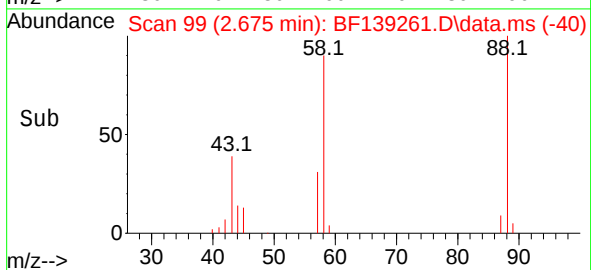
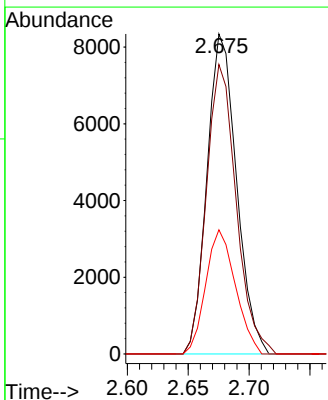
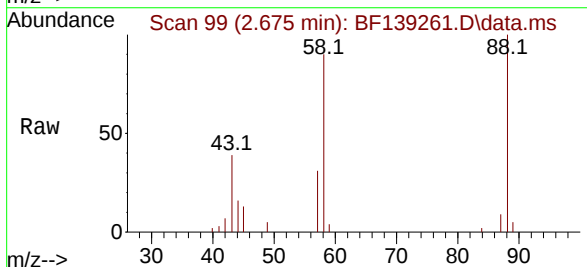
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

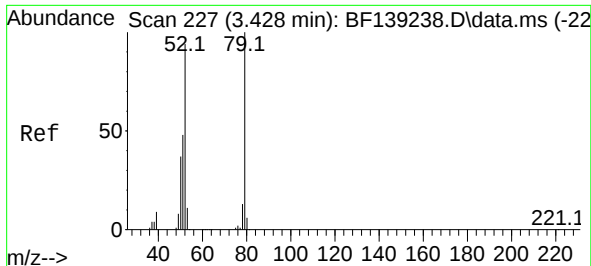
Tgt Ion:152 Resp: 125115
 Ion Ratio Lower Upper
 152 100
 150 156.2 127.0 190.4
 115 60.0 46.9 70.3



#2
 1,4-Dioxane
 Concen: 4.045 ng
 RT: 2.675 min Scan# 99
 Delta R.T. -0.000 min
 Lab File: BF139261.D
 Acq: 05 Sep 2024 16:55

Tgt Ion: 88 Resp: 14088
 Ion Ratio Lower Upper
 88 100
 58 91.2 72.5 108.7
 43 38.9 31.4 47.2





#3

Pyridine

Concen: 3.520 ng

RT: 3.481 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

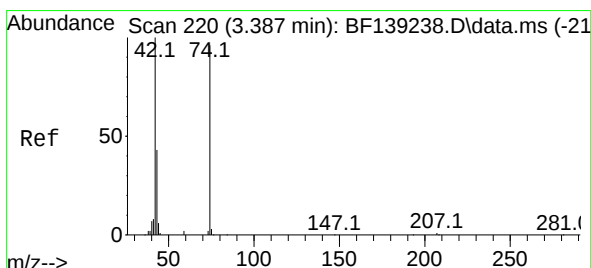
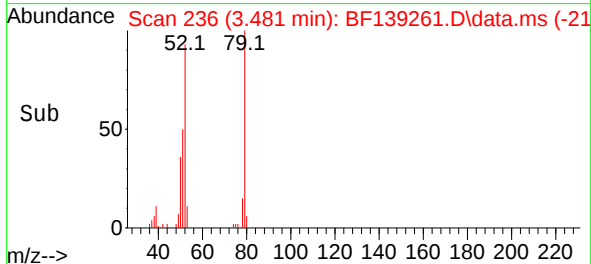
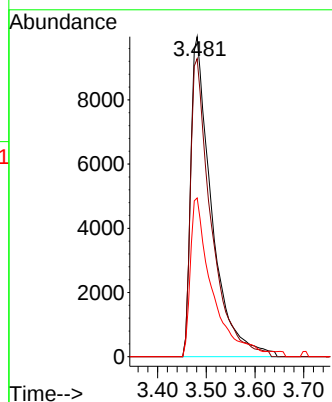
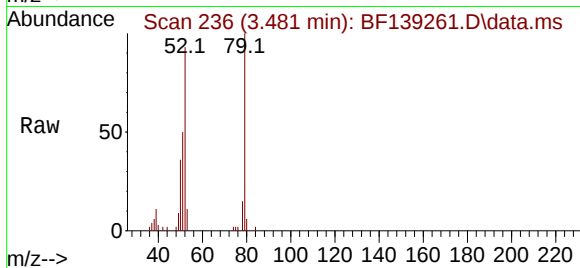
Tgt Ion: 79 Resp: 29591

Ion Ratio Lower Upper

79 100

52 93.1 75.3 112.9

51 49.6 38.2 57.2



#4

n-Nitrosodimethylamine

Concen: 3.742 ng

RT: 3.369 min Scan# 217

Delta R.T. -0.018 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

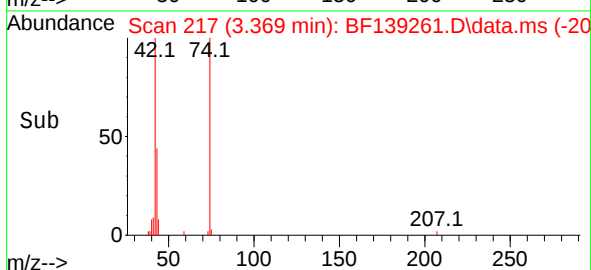
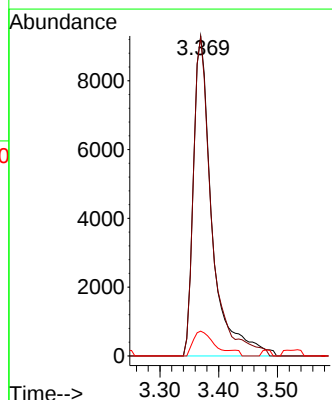
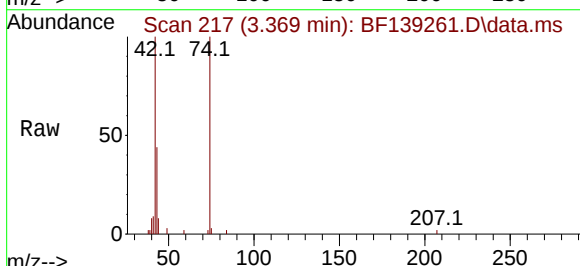
Tgt Ion: 42 Resp: 20427

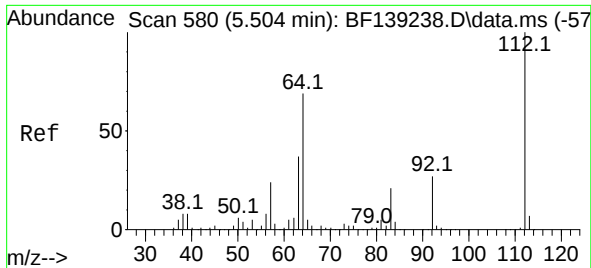
Ion Ratio Lower Upper

42 100

74 99.6 77.2 115.8

44 7.7 5.1 7.7#

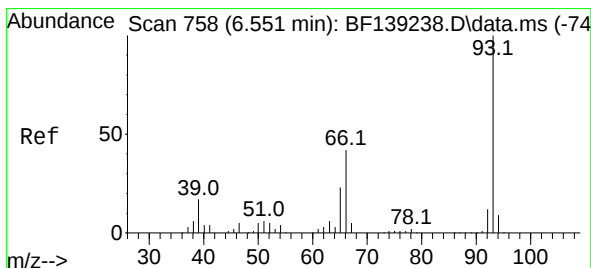
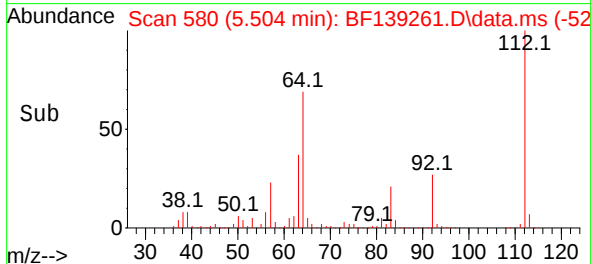
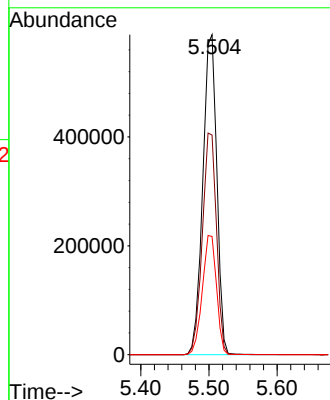
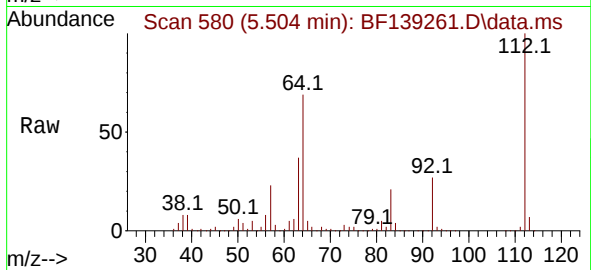




#5
2-Fluorophenol
Concen: 112.510 ng
RT: 5.504 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

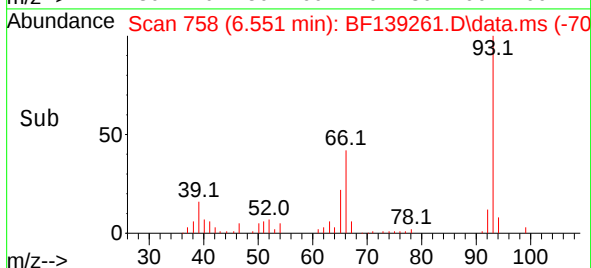
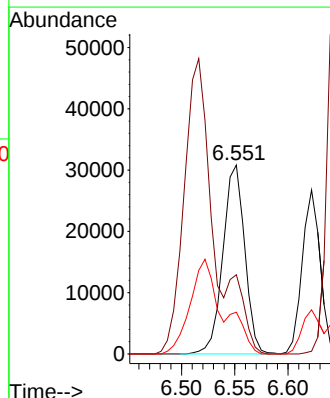
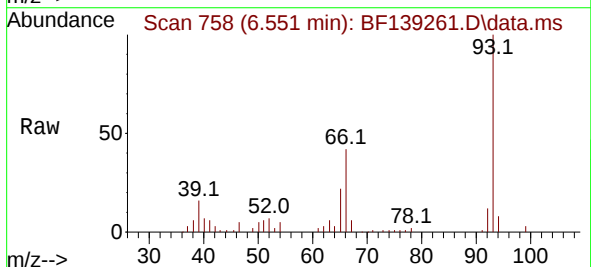
Instrument :
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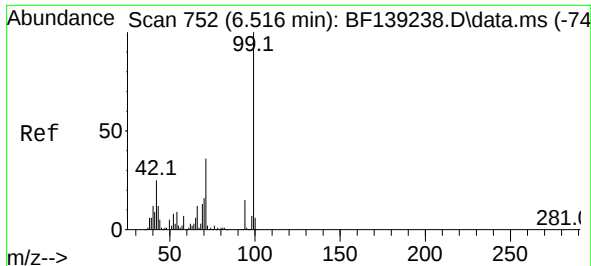
Tgt Ion:112 Resp: 841470
Ion Ratio Lower Upper
112 100
64 68.7 55.0 82.4
63 37.0 29.9 44.9



#6
Aniline
Concen: 4.785 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.000 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

Tgt Ion: 93 Resp: 43934
Ion Ratio Lower Upper
93 100
66 41.9 34.4 51.6
65 22.1 18.2 27.4





#7

Phenol-d6

Concen: 113.170 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

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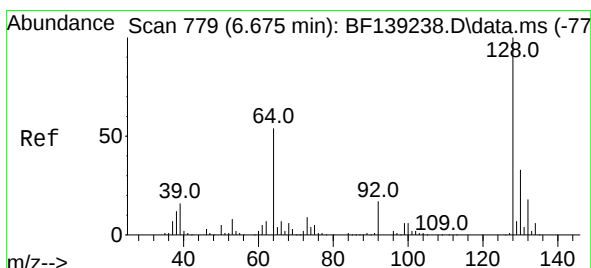
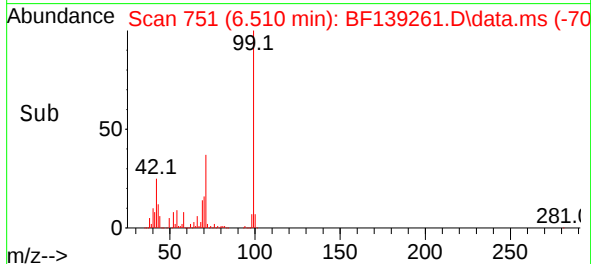
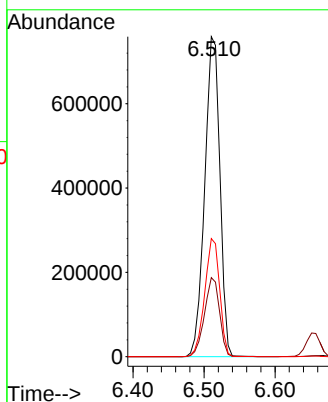
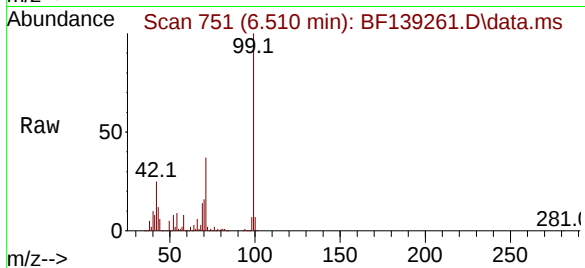
Tgt Ion: 99 Resp: 1129938

Ion Ratio Lower Upper

99 100

42 24.7 19.8 29.6

71 36.9 28.8 43.2



#8

2-Chlorophenol

Concen: 4.153 ng

RT: 6.669 min Scan# 778

Delta R.T. -0.006 min

Lab File: BF139261.D

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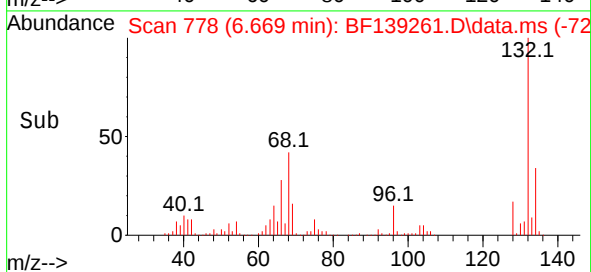
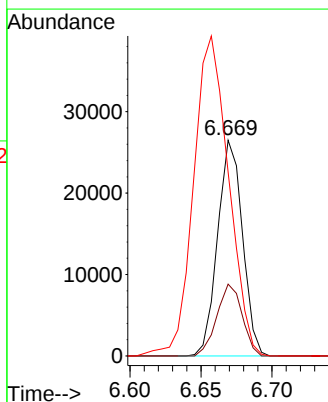
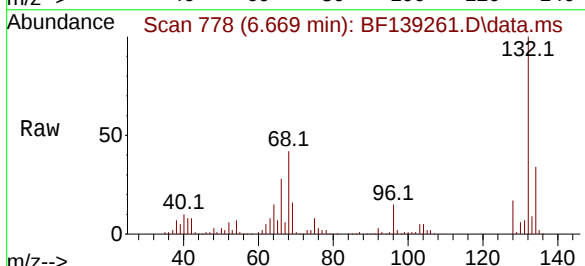
Tgt Ion:128 Resp: 32192

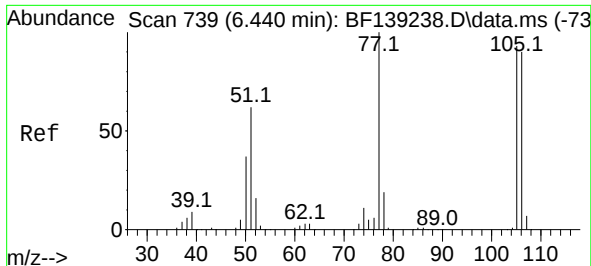
Ion Ratio Lower Upper

128 100

130 33.3 12.7 52.7

64 85.3 36.6 76.6#





#9

Benzaldehyde

Concen: 4.681 ng

RT: 6.440 min Scan# 74

Delta R.T. -0.000 min

Lab File: BF139261.D

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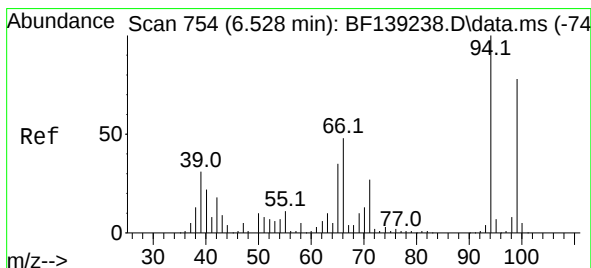
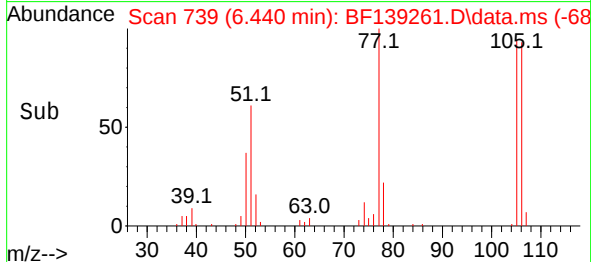
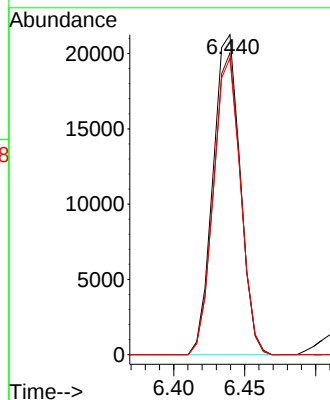
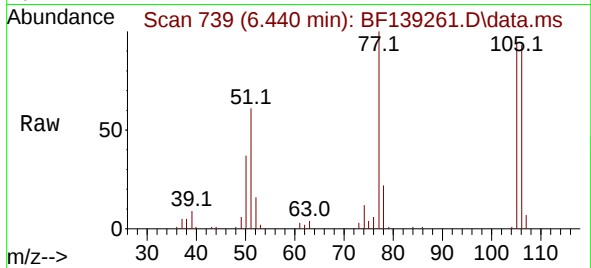
Tgt Ion: 77 Resp: 28291

Ion Ratio Lower Upper

77 100

105 94.3 72.9 112.9

106 92.6 69.6 109.6



#10

Phenol

Concen: 4.076 ng

RT: 6.522 min Scan# 753

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

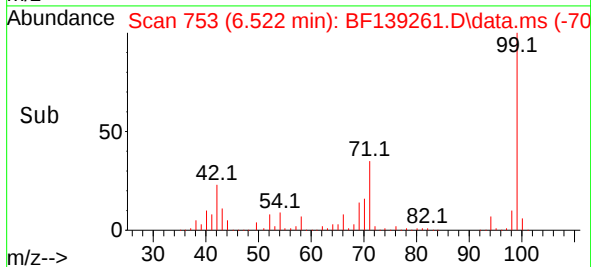
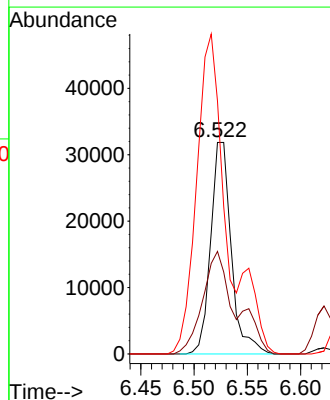
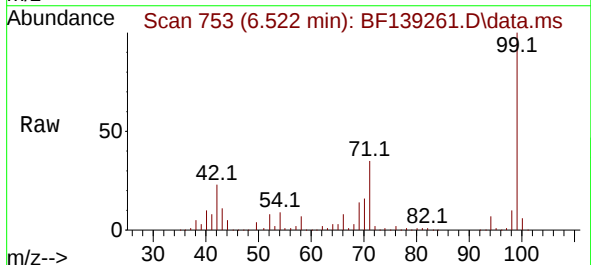
Tgt Ion: 94 Resp: 42928

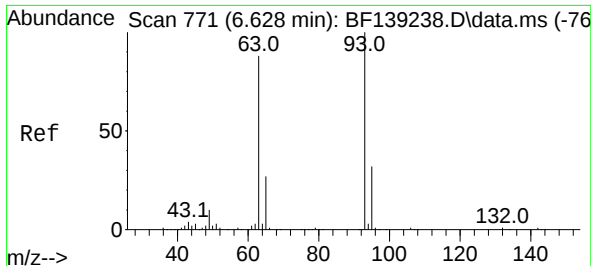
Ion Ratio Lower Upper

94 100

65 48.5 14.7 54.7

66 119.6 28.5 68.5#





#11

bis(2-Chloroethyl)ether

Concen: 4.208 ng

RT: 6.622 min Scan# 771

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

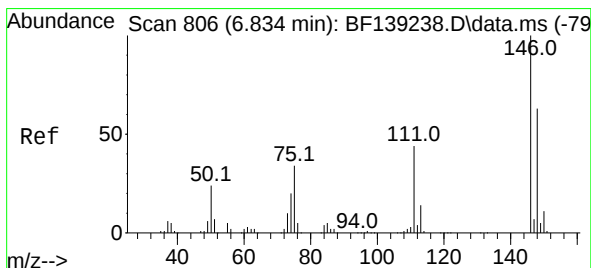
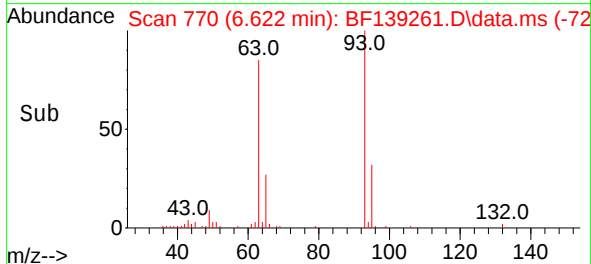
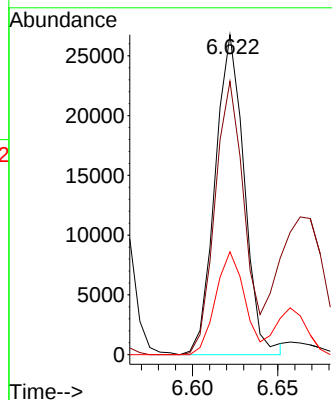
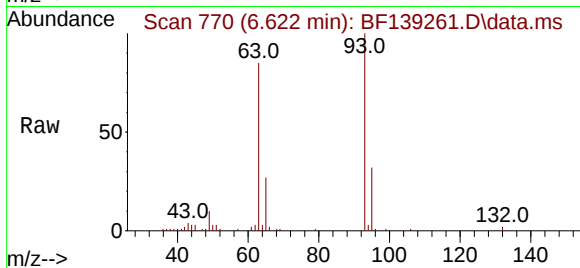
Tgt Ion: 93 Resp: 31753

Ion Ratio Lower Upper

93 100

63 85.4 67.1 107.1

95 32.1 12.2 52.2



#12

1,3-Dichlorobenzene

Concen: 4.079 ng

RT: 6.828 min Scan# 805

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

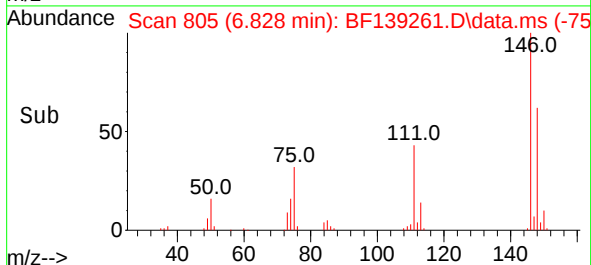
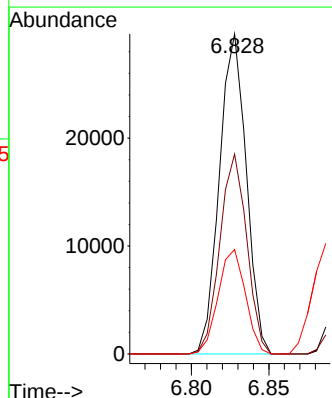
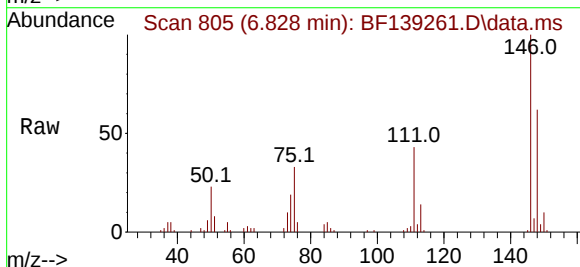
Tgt Ion: 146 Resp: 35789

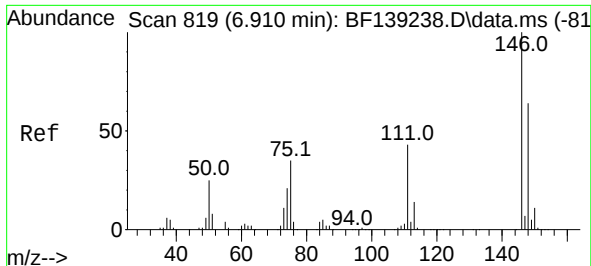
Ion Ratio Lower Upper

146 100

148 62.4 50.8 76.2

75 32.7 27.3 40.9





#13

1,4-Dichlorobenzene

Concen: 4.087 ng

RT: 6.904 min Scan# 819

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

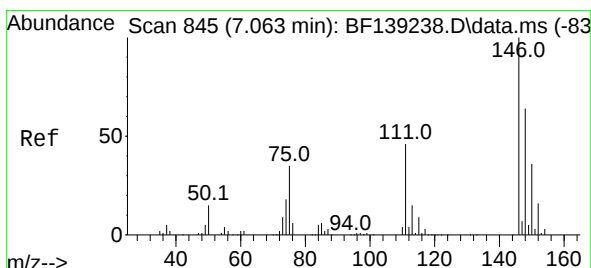
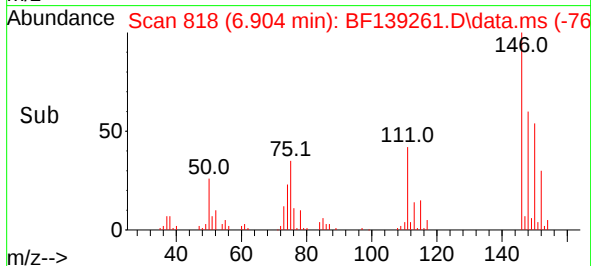
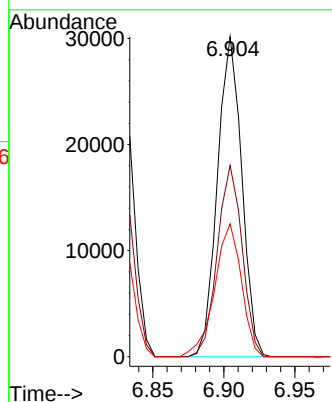
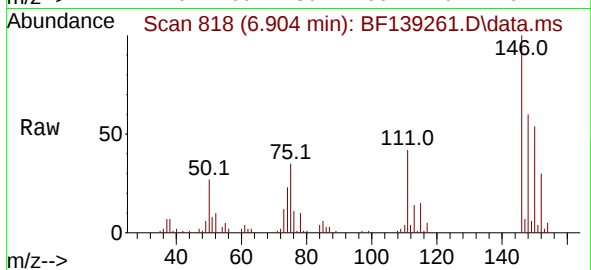
Tgt Ion:146 Resp: 35893

Ion Ratio Lower Upper

146 100

148 59.8 51.2 76.8

111 41.6 34.6 51.8



#14

1,2-Dichlorobenzene

Concen: 4.019 ng

RT: 7.057 min Scan# 844

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

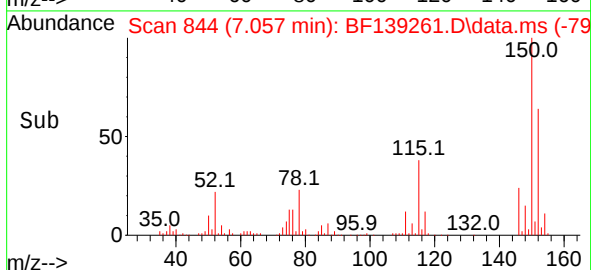
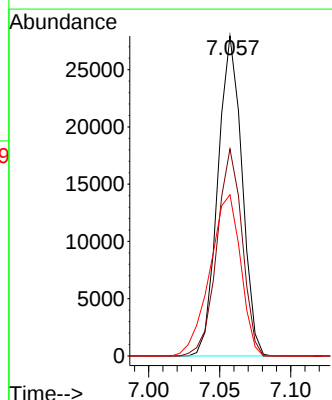
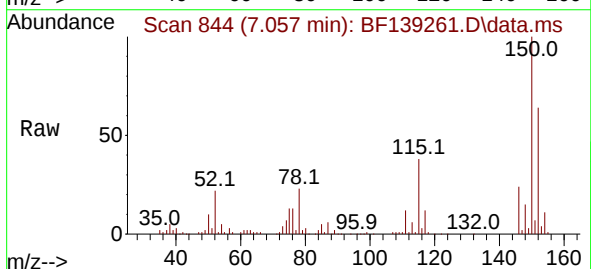
Tgt Ion:146 Resp: 32914

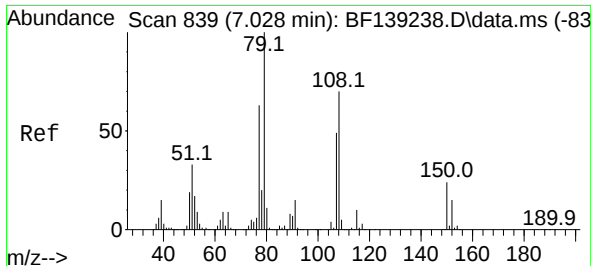
Ion Ratio Lower Upper

146 100

148 64.7 50.9 76.3

111 50.4 36.6 55.0





#15

Benzyl Alcohol

Concen: 5.386 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

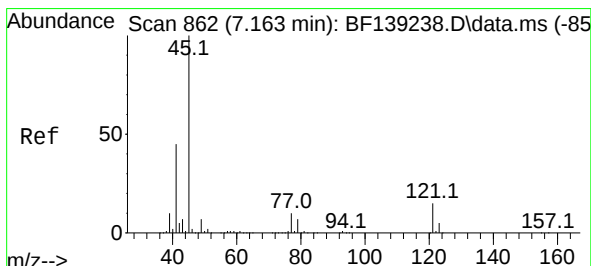
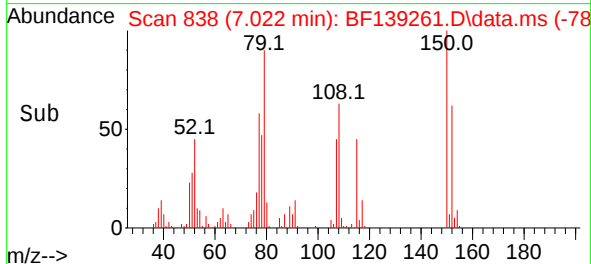
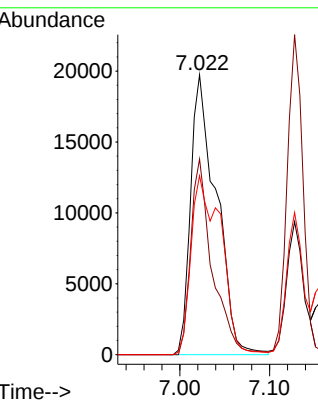
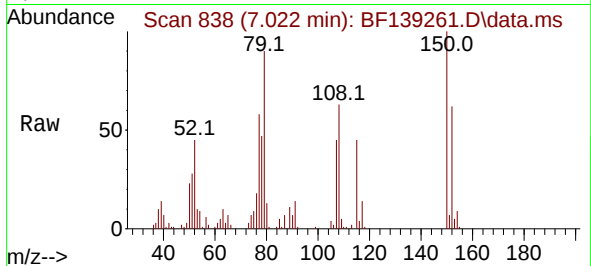
Tgt Ion: 79 Resp: 39216

Ion Ratio Lower Upper

79 100

108 69.9 56.1 84.1

77 63.9 50.6 76.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 4.211 ng

RT: 7.157 min Scan# 861

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

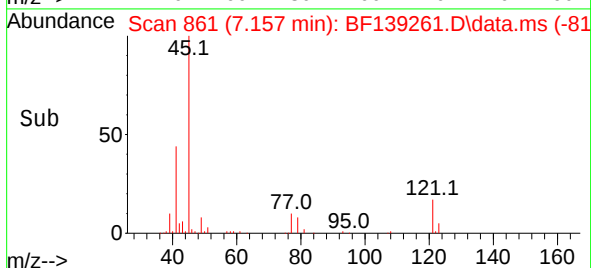
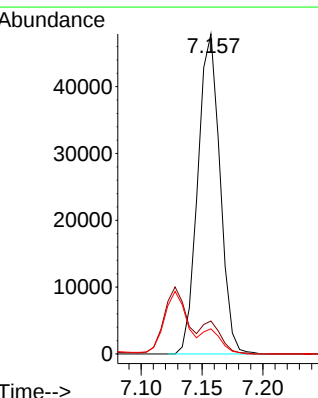
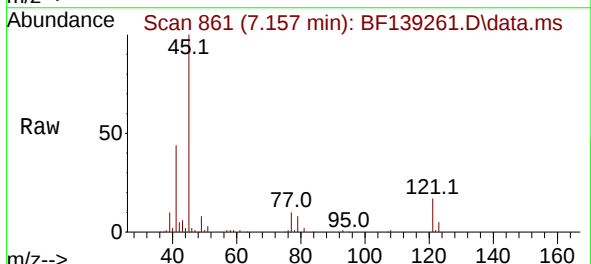
Tgt Ion: 45 Resp: 60483

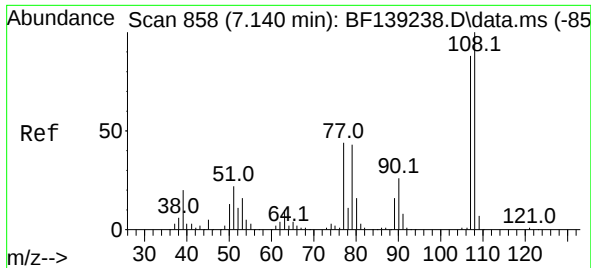
Ion Ratio Lower Upper

45 100

77 10.3 0.0 30.0

79 7.9 0.0 27.6

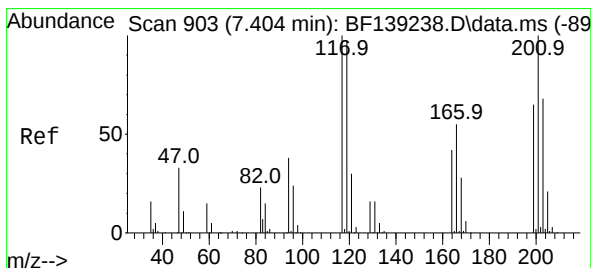
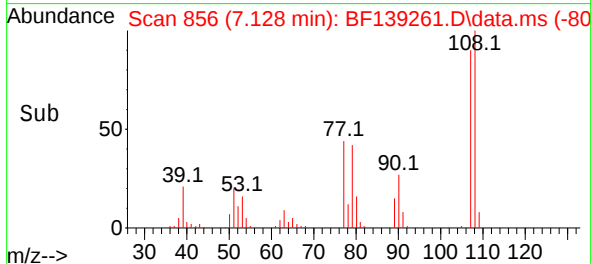
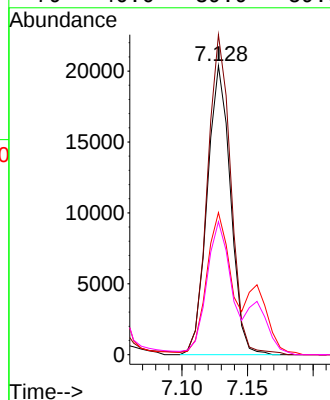
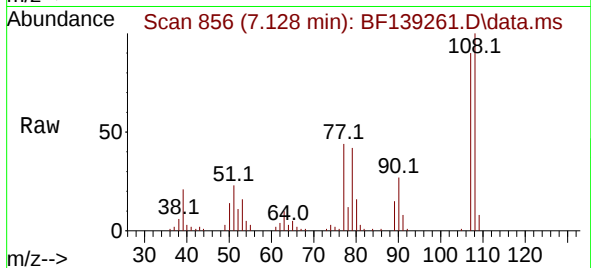




#17
2-Methylphenol
Concen: 3.981 ng
RT: 7.128 min Scan# 858
Delta R.T. -0.012 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

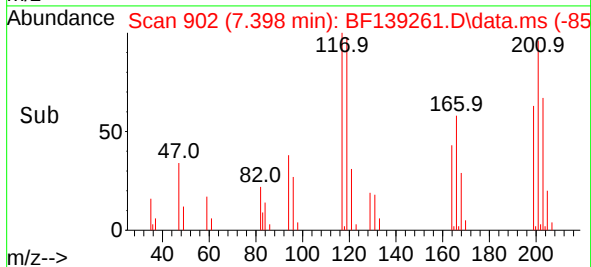
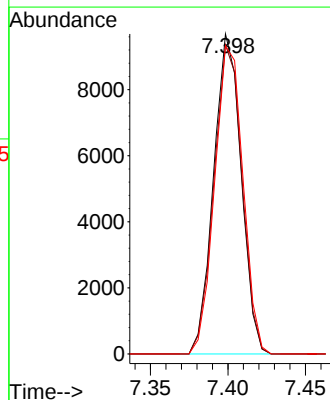
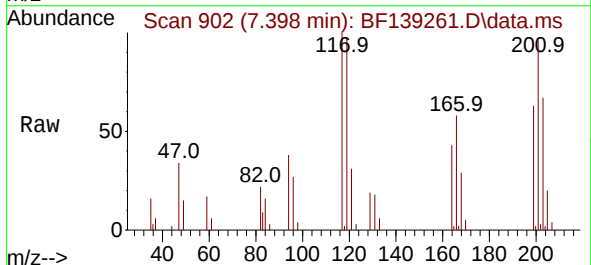
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

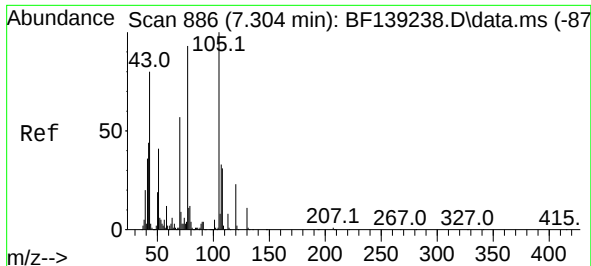
Tgt Ion:	107	Resp:	25206
Ion	Ratio	Lower	Upper
107	100		
108	110.7	91.4	137.2
77	49.2	40.1	60.1
79	46.0	39.9	59.9



#18
Hexachloroethane
Concen: 3.811 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

Tgt Ion:	117	Resp:	11953
Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.4	116.2
201	96.3	80.0	120.0

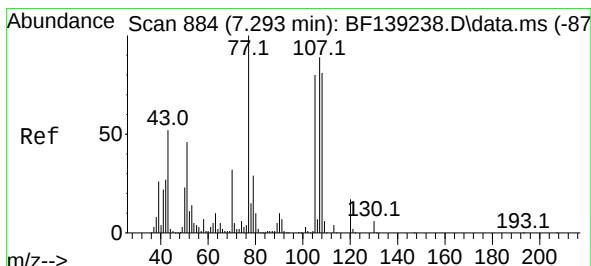
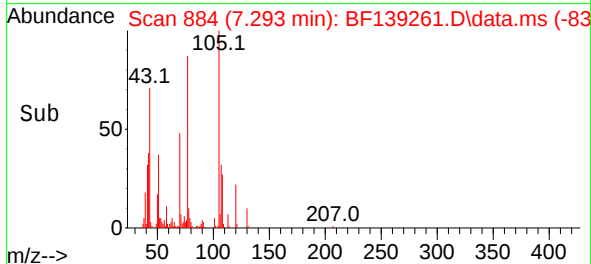
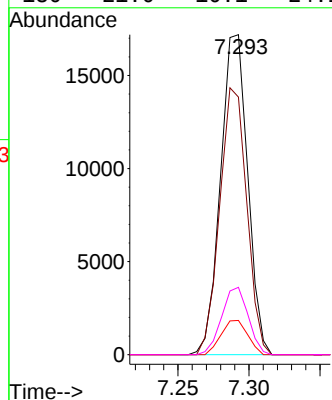
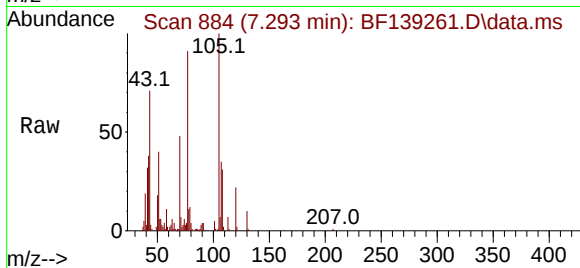




#19
n-Nitroso-di-n-propylamine
Concen: 3.978 ng
RT: 7.293 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

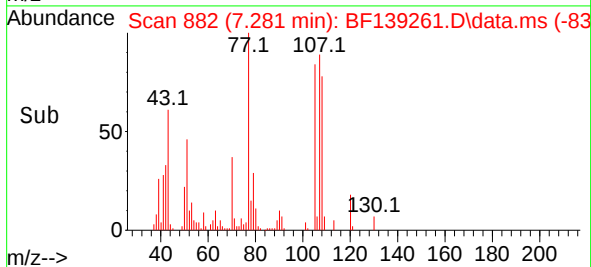
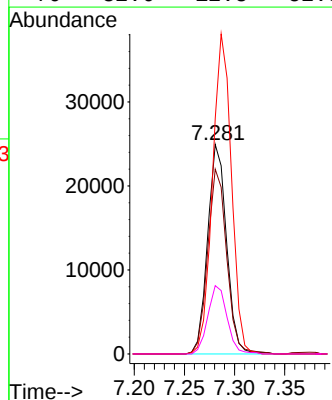
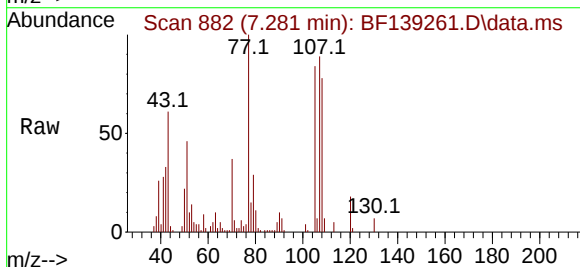
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

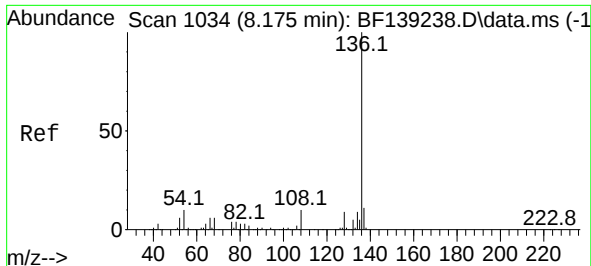
Tgt Ion:	70	Resp:	22874
Ion	Ratio	Lower	Upper
70	100		
42	80.5	61.0	91.6
101	10.7	7.2	10.8
130	21.0	16.1	24.1



#20
3+4-Methylphenols
Concen: 4.108 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.012 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

Tgt Ion:	107	Resp:	32784
Ion	Ratio	Lower	Upper
107	100		
108	88.2	70.4	110.4
77	112.4	92.2	132.2
79	32.6	12.8	52.8

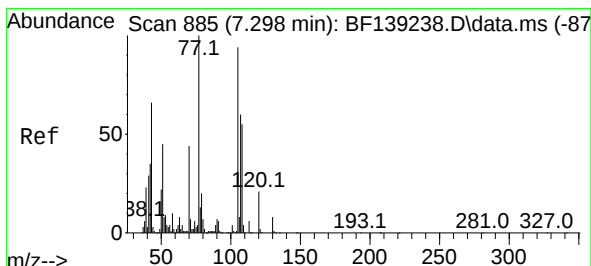
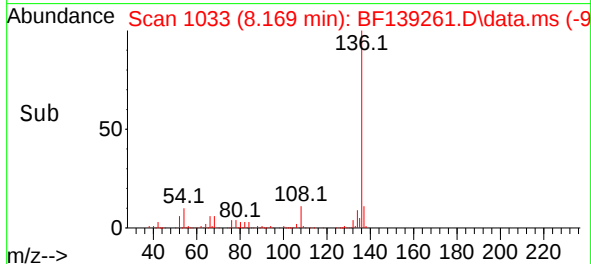
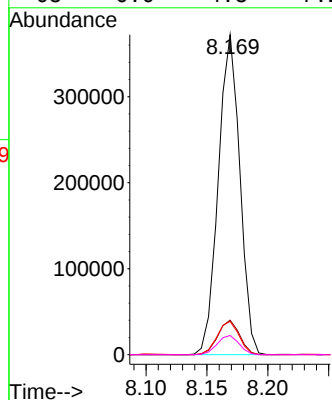
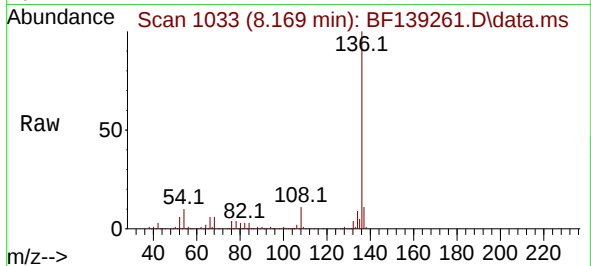




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

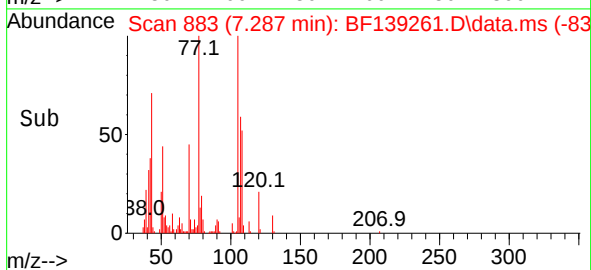
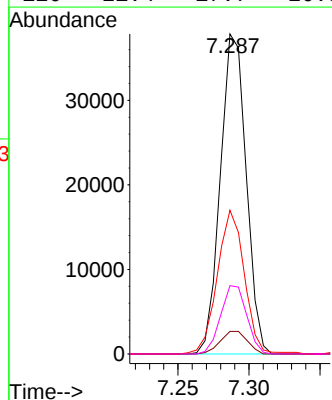
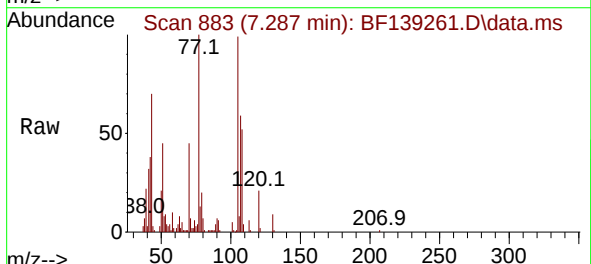
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

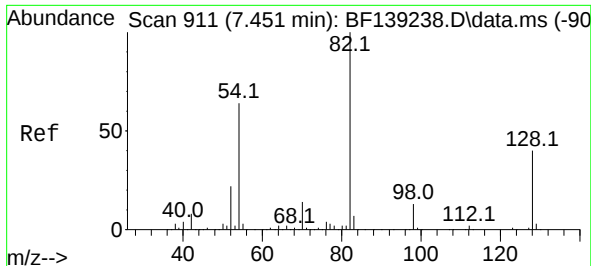
Tgt Ion:136 Resp: 458226
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 10.4 8.4 12.6
68 6.0 4.8 7.2



#22
Acetophenone
Concen: 4.380 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.012 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

Tgt Ion:105 Resp: 47819
Ion Ratio Lower Upper
105 100
71 7.1 6.2 9.2
51 44.9 38.2 57.2
120 21.4 17.7 26.5





#23

Nitrobenzene-d5

Concen: 81.750 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.000 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

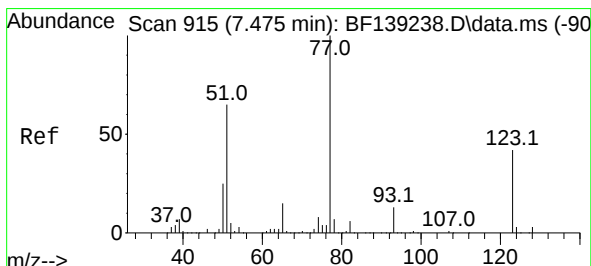
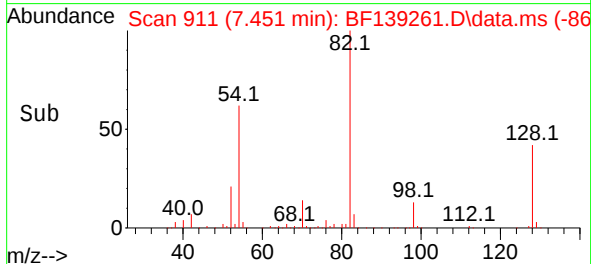
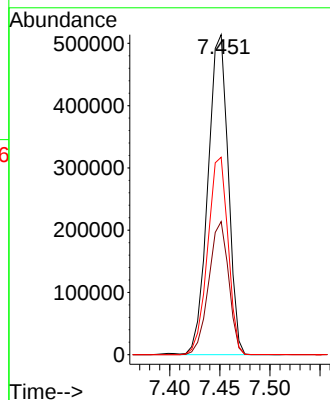
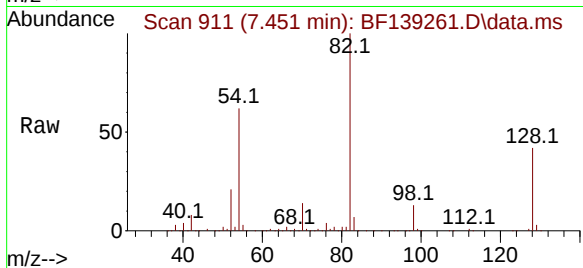
Tgt Ion: 82 Resp: 720073

Ion Ratio Lower Upper

82 100

128 41.6 32.3 48.5

54 61.7 51.2 76.8



#24

Nitrobenzene

Concen: 4.013 ng

RT: 7.463 min Scan# 913

Delta R.T. -0.012 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

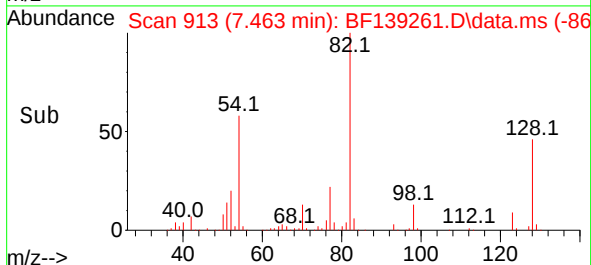
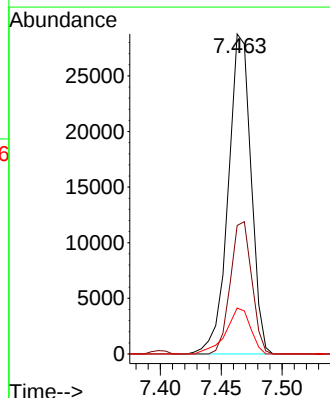
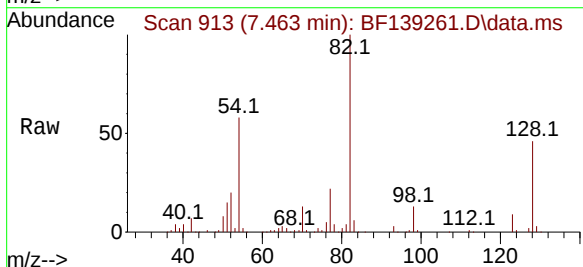
Tgt Ion: 77 Resp: 37517

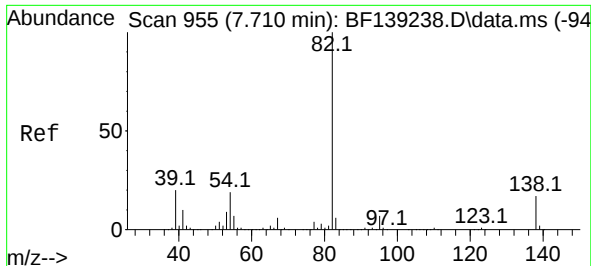
Ion Ratio Lower Upper

77 100

123 40.2 34.0 51.0

65 14.3 12.1 18.1





#25

Isophorone

Concen: 4.051 ng

RT: 7.698 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

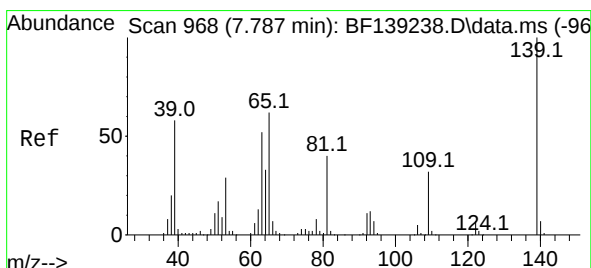
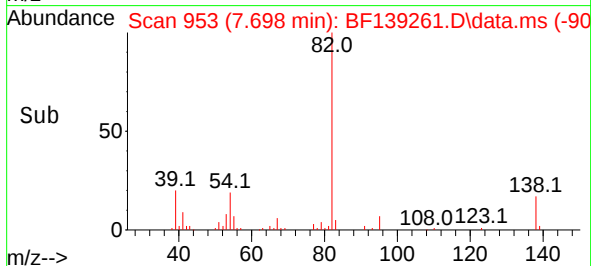
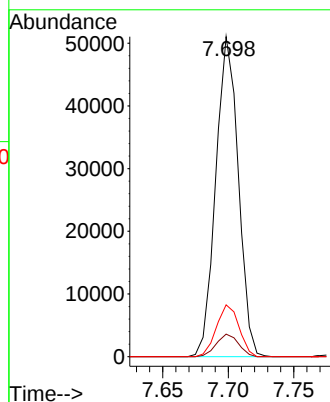
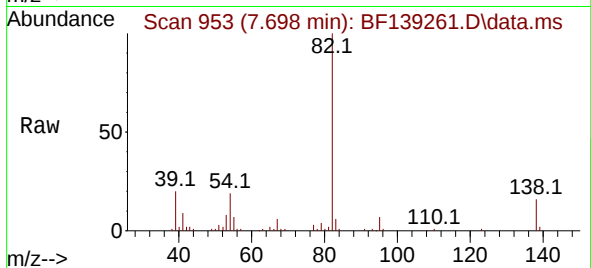
Tgt Ion: 82 Resp: 60997

Ion Ratio Lower Upper

82 100

95 7.0 6.0 9.0

138 16.2 13.4 20.0



#26

2-Nitrophenol

Concen: 3.603 ng

RT: 7.781 min Scan# 967

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

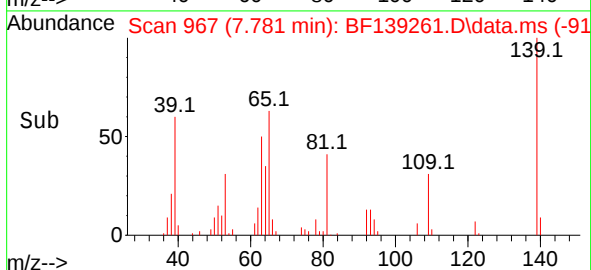
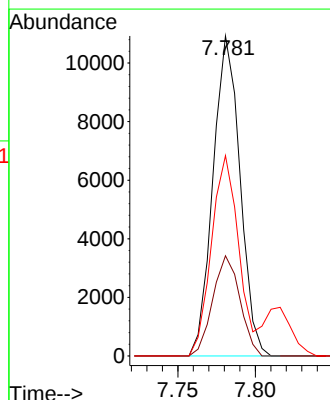
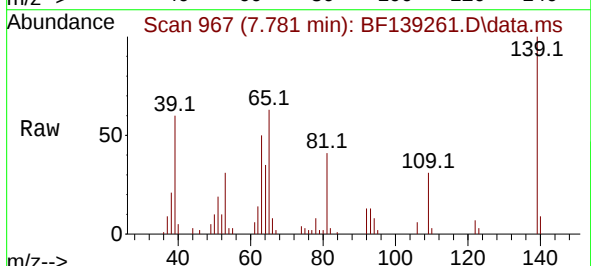
Tgt Ion:139 Resp: 13228

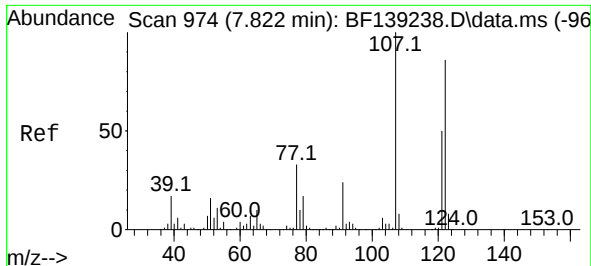
Ion Ratio Lower Upper

139 100

109 31.3 25.4 38.2

65 62.6 49.4 74.2





#27

2,4-Dimethylphenol

Concen: 3.835 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF139261.D

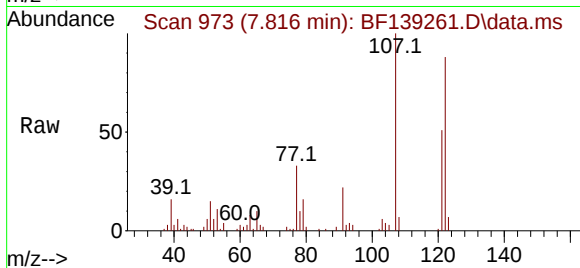
Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



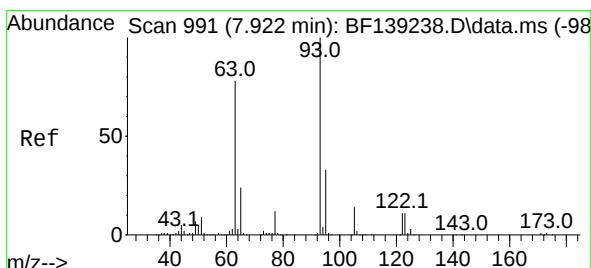
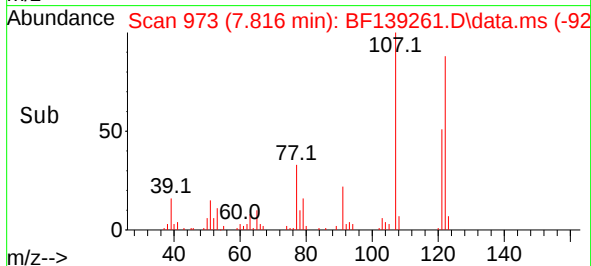
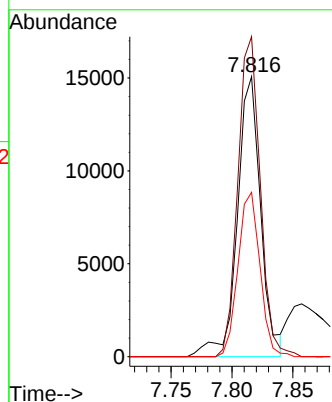
Tgt Ion:122 Resp: 20085

Ion Ratio Lower Upper

122 100

107 114.3 93.4 140.2

121 58.7 46.6 70.0



#28

bis(2-Chloroethoxy)methane

Concen: 3.976 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

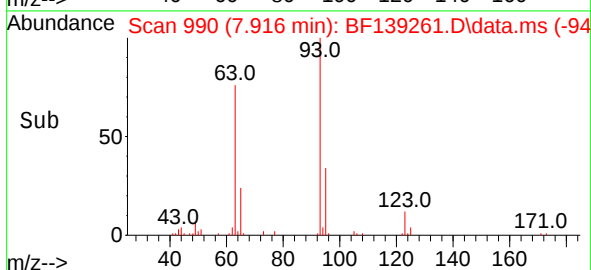
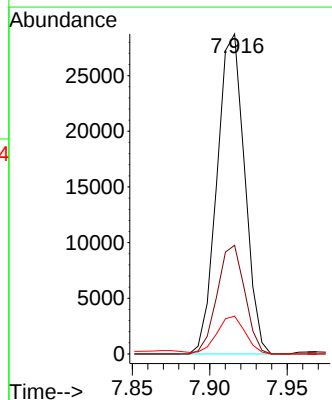
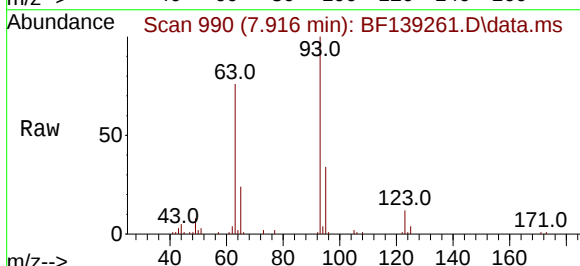
Tgt Ion: 93 Resp: 35674

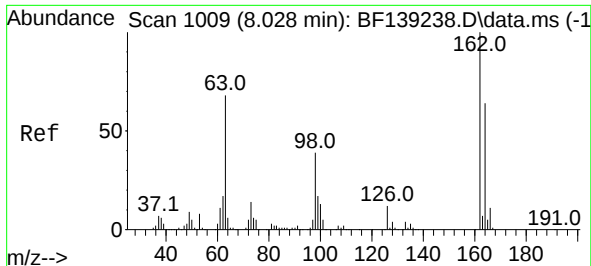
Ion Ratio Lower Upper

93 100

95 34.0 26.6 40.0

123 11.8 9.6 14.4

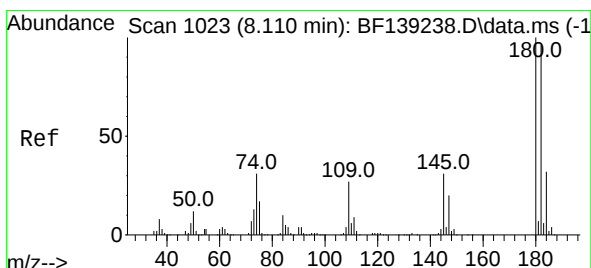
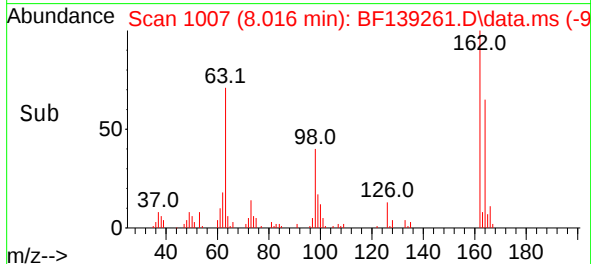
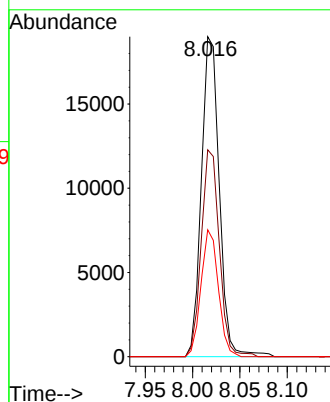
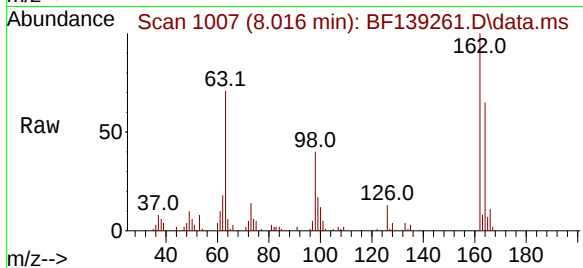




#29
2,4-Dichlorophenol
Concen: 3.981 ng
RT: 8.016 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

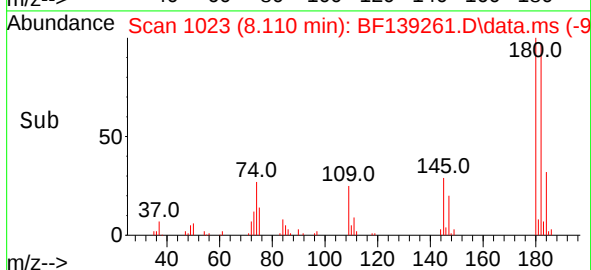
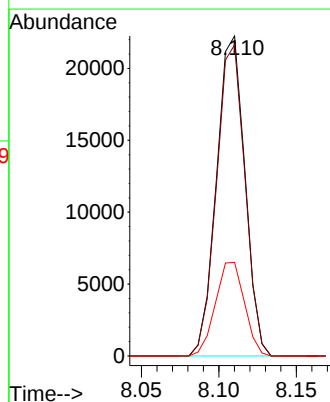
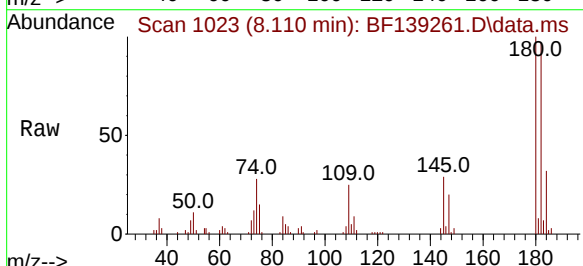
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

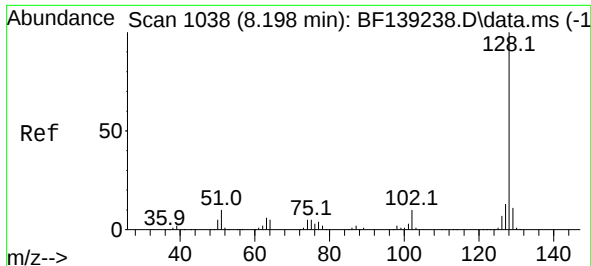
Tgt Ion:162	Resp:	24959
Ion Ratio	Lower	Upper
162	100	
164	64.6	43.6 83.6
98	39.7	19.5 59.5



#30
1,2,4-Trichlorobenzene
Concen: 3.965 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

Tgt Ion:180	Resp:	28395
Ion Ratio	Lower	Upper
180	100	
182	97.3	76.5 114.7
145	29.2	25.1 37.7

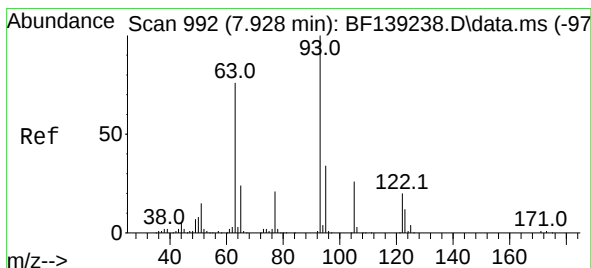
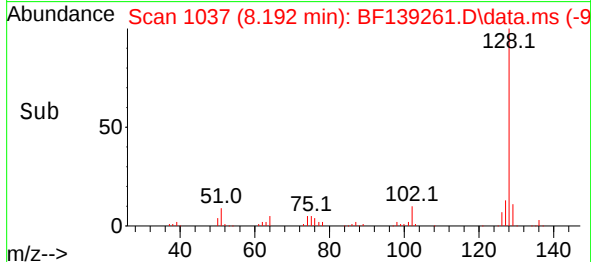
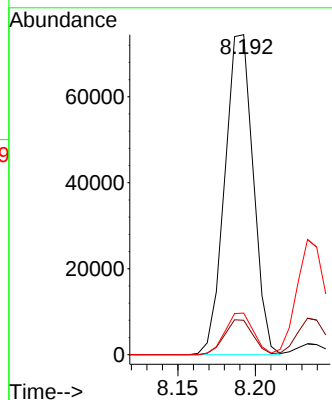
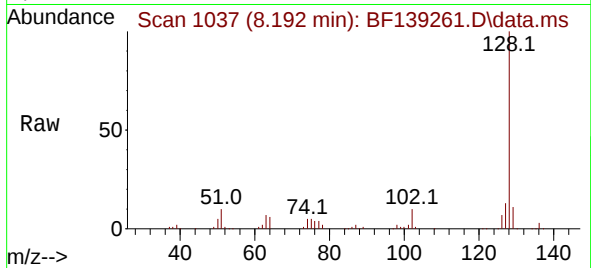




#31
Naphthalene
Concen: 4.099 ng
RT: 8.192 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

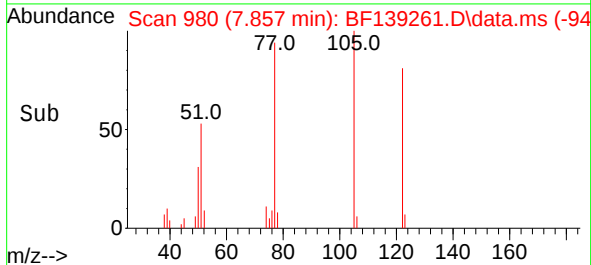
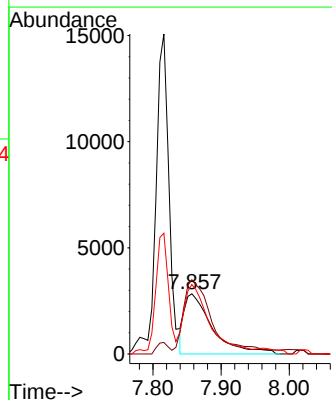
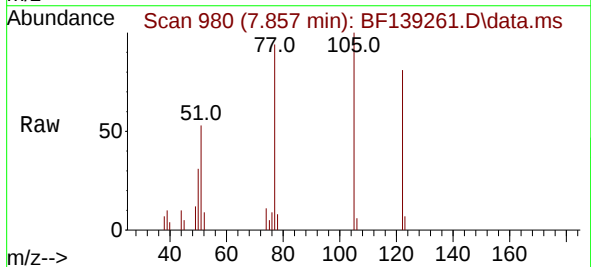
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

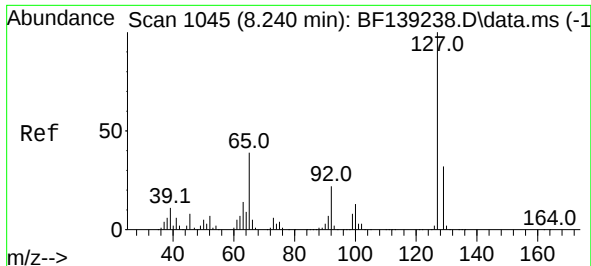
Tgt Ion:128 Resp: 95108
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.0 10.6 15.8



#32
Benzoic acid
Concen: 1.694 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.071 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

Tgt Ion:122 Resp: 8079
Ion Ratio Lower Upper
122 100
105 123.2 106.3 146.3
77 115.4 84.1 124.1





#33

4-Chloroaniline

Concen: 4.382 ng

RT: 8.234 min Scan# 1044

Delta R.T. -0.006 min

Lab File: BF139261.D

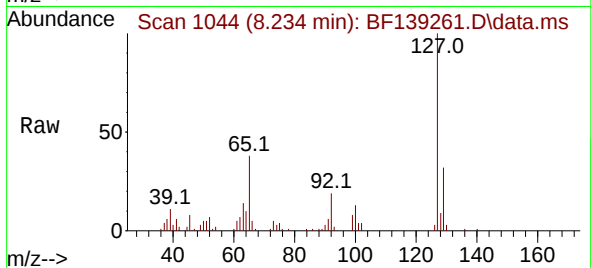
Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:127 Resp: 35206

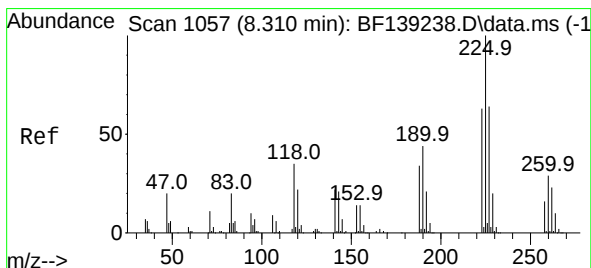
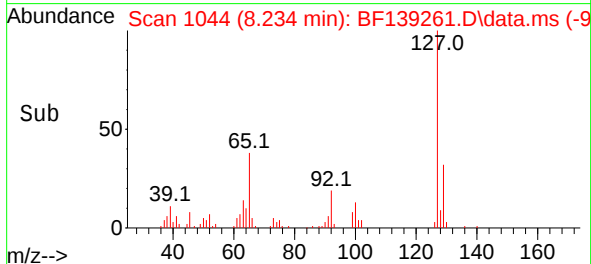
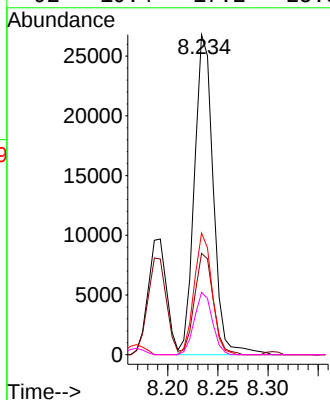
Ion Ratio Lower Upper

127 100

129 31.6 25.8 38.6

65 38.0 30.6 45.8

92 19.4 17.2 25.8



#34

Hexachlorobutadiene

Concen: 3.915 ng

RT: 8.310 min Scan# 1057

Delta R.T. -0.000 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

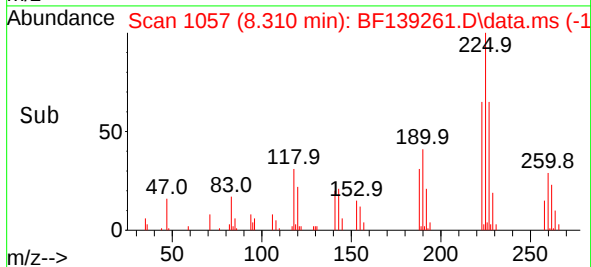
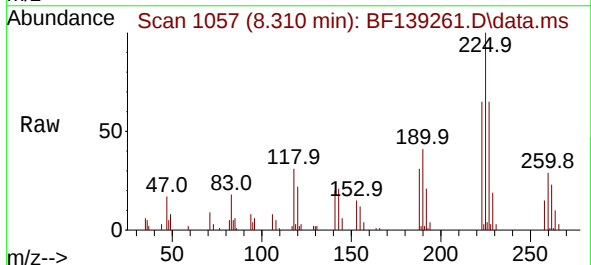
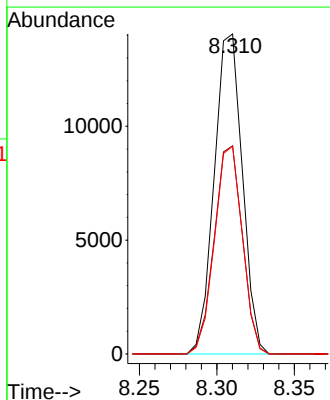
Tgt Ion:225 Resp: 17767

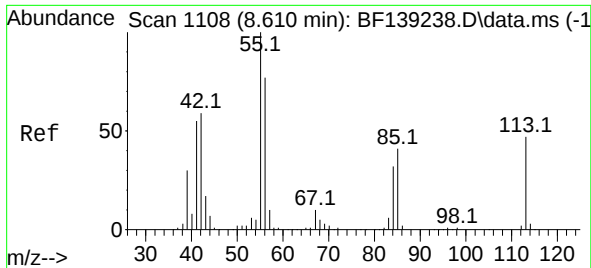
Ion Ratio Lower Upper

225 100

223 65.0 50.7 76.1

227 64.9 51.5 77.3





#35

Caprolactam

Concen: 3.560 ng

RT: 8.557 min Scan# 1108

Delta R.T. -0.053 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

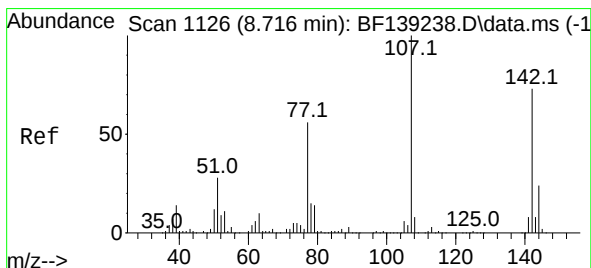
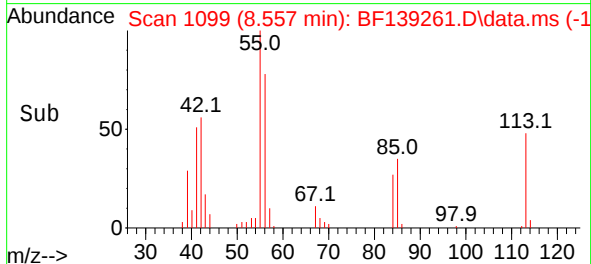
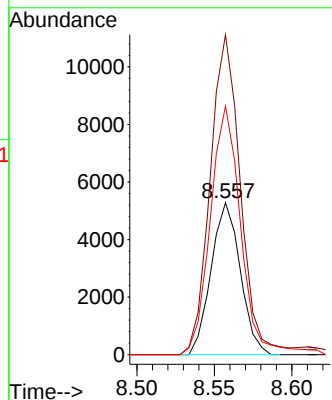
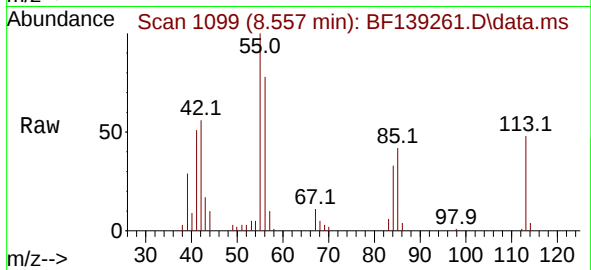
Tgt Ion:113 Resp: 6911

Ion Ratio Lower Upper

113 100

55 210.4 193.7 233.7

56 163.6 145.0 185.0



#36

4-Chloro-3-methylphenol

Concen: 3.771 ng

RT: 8.710 min Scan# 1125

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

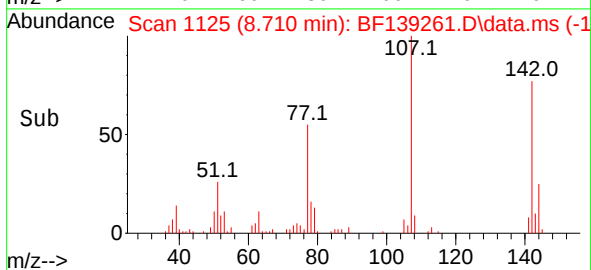
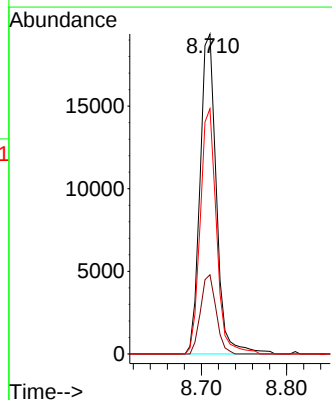
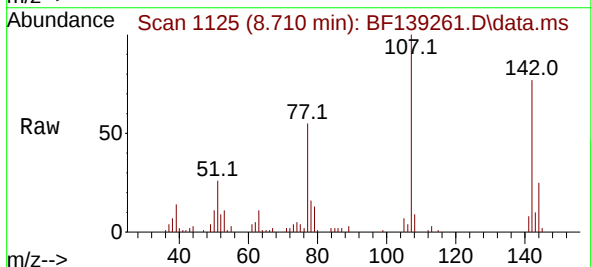
Tgt Ion:107 Resp: 25768

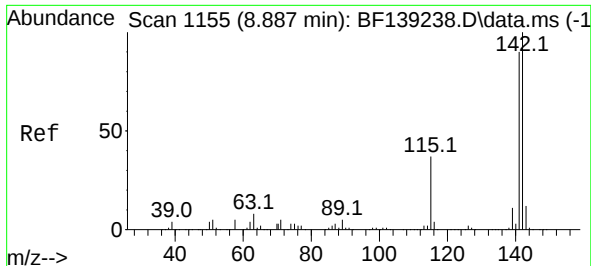
Ion Ratio Lower Upper

107 100

144 24.8 19.1 28.7

142 76.7 58.3 87.5





#37

2-Methylnaphthalene

Concen: 4.148 ng

RT: 8.881 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

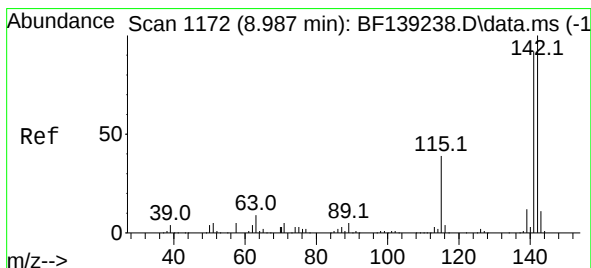
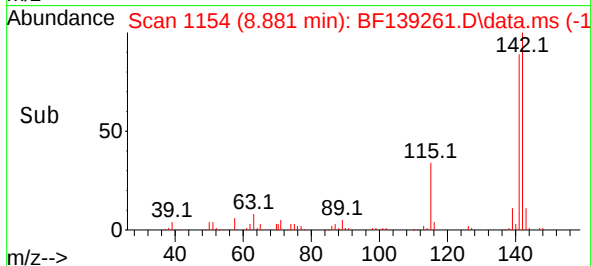
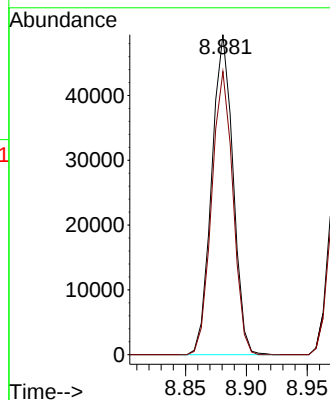
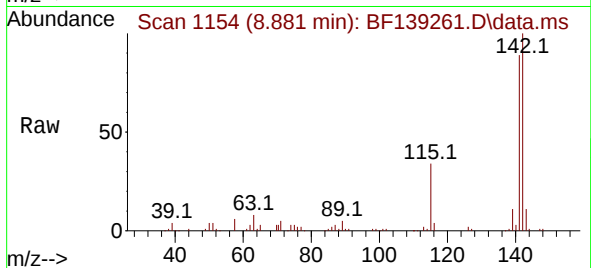
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:142 Resp: 60224

Ion Ratio Lower Upper

142 100

141 88.5 71.6 107.4



#38

1-Methylnaphthalene

Concen: 3.911 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF139261.D

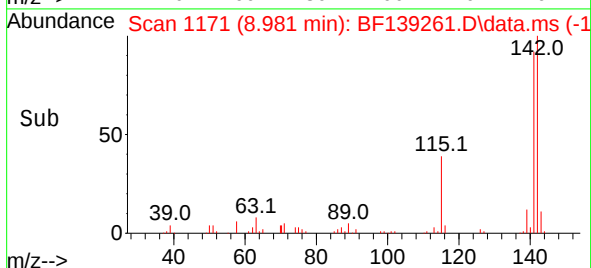
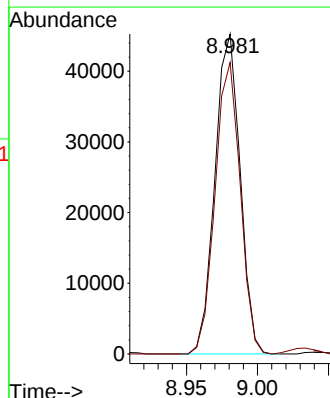
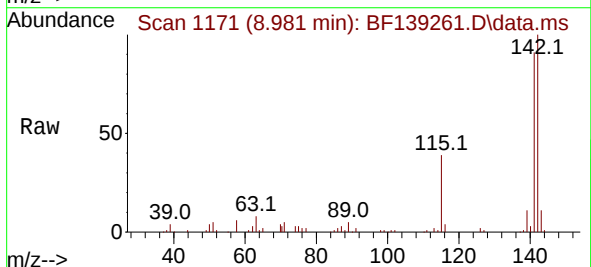
Acq: 05 Sep 2024 16:55

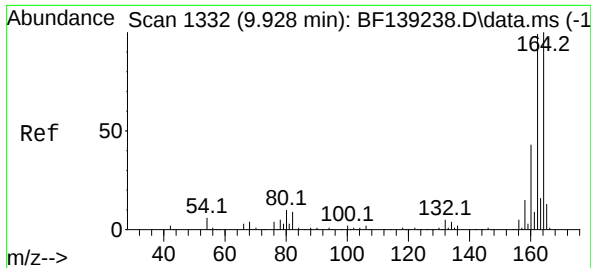
Tgt Ion:142 Resp: 55841

Ion Ratio Lower Upper

142 100

141 91.1 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1332

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

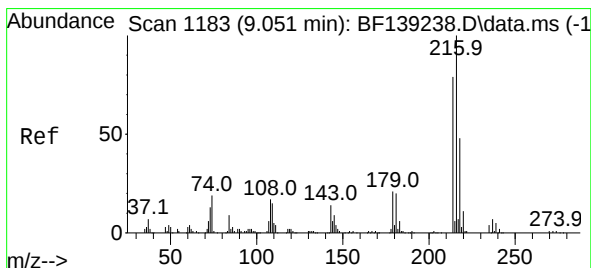
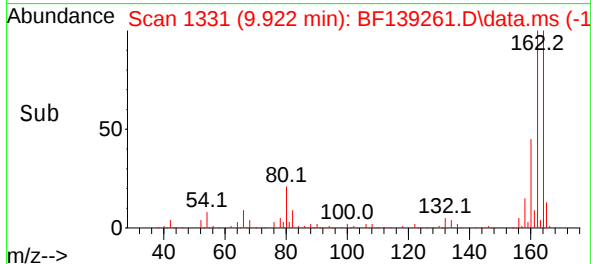
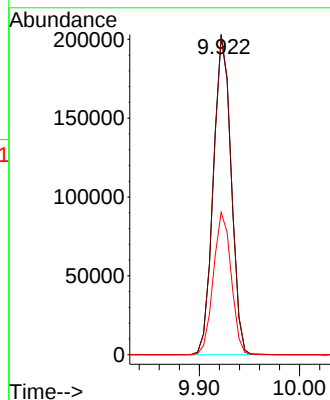
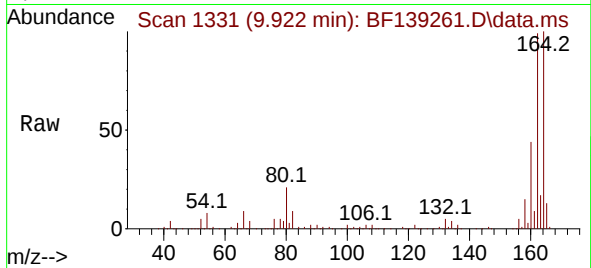
Tgt Ion:164 Resp: 250171

Ion Ratio Lower Upper

164 100

162 99.1 79.2 118.8

160 44.5 34.2 51.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.141 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

Tgt Ion:216 Resp: 29313

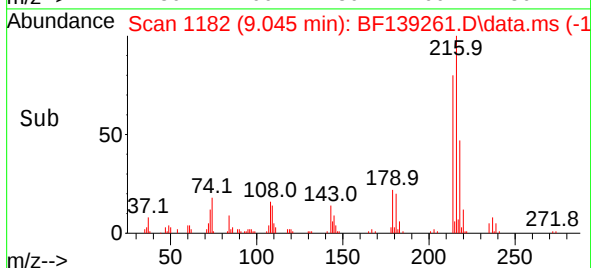
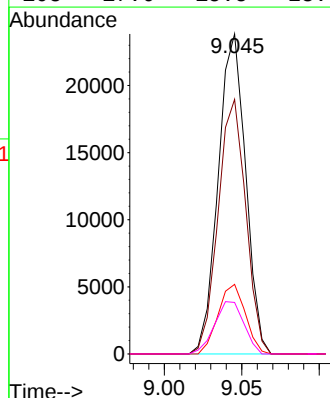
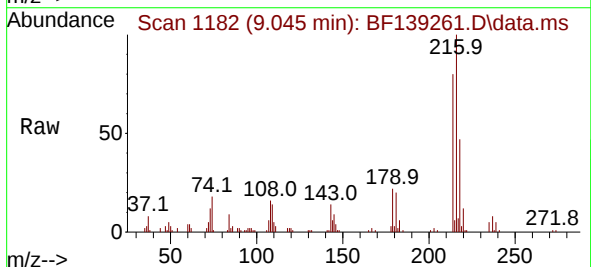
Ion Ratio Lower Upper

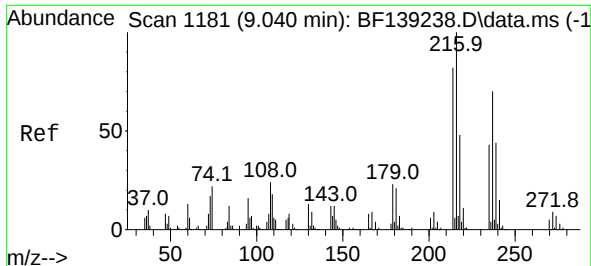
216 100

214 80.2 63.8 95.8

179 21.7 16.9 25.3

108 17.6 15.5 23.3

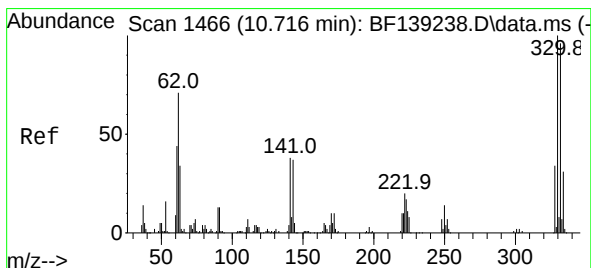
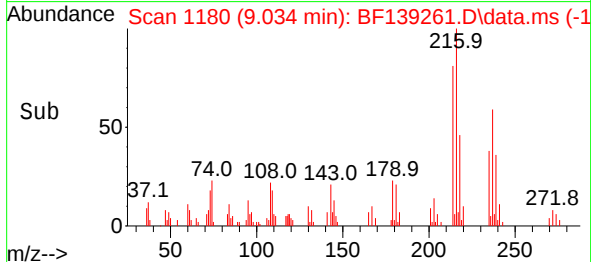
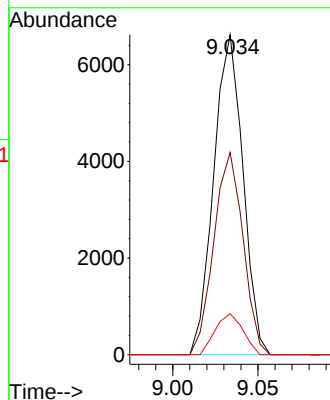
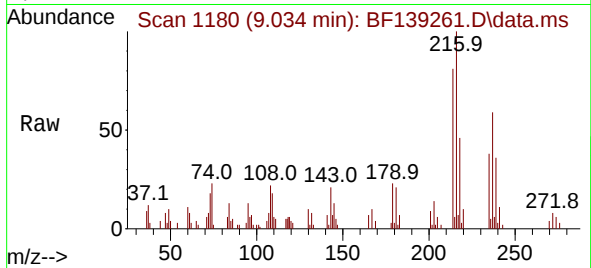




#41
Hexachlorocyclopentadiene
Concen: 3.471 ng
RT: 9.034 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

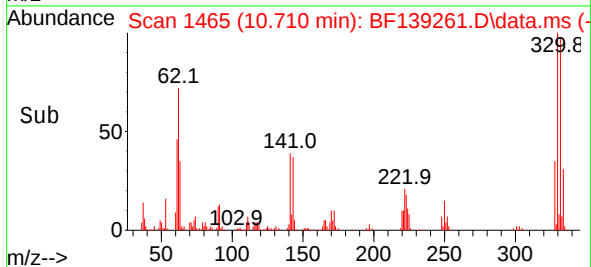
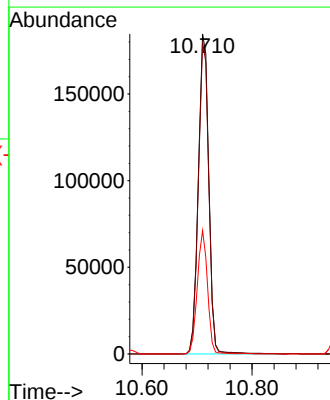
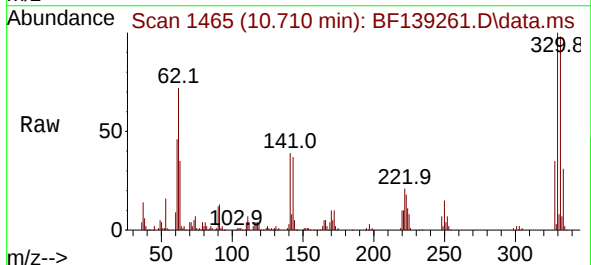
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

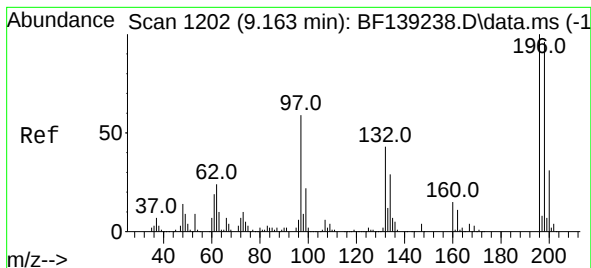
Tgt Ion:237 Resp: 7896
Ion Ratio Lower Upper
237 100
235 63.2 41.4 81.4
272 12.8 0.0 32.2



#42
2,4,6-Tribromophenol
Concen: 113.679 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

Tgt Ion:330 Resp: 245578
Ion Ratio Lower Upper
330 100
332 96.9 76.6 115.0
141 37.3 30.1 45.1





#43

2,4,6-Trichlorophenol

Concen: 3.737 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

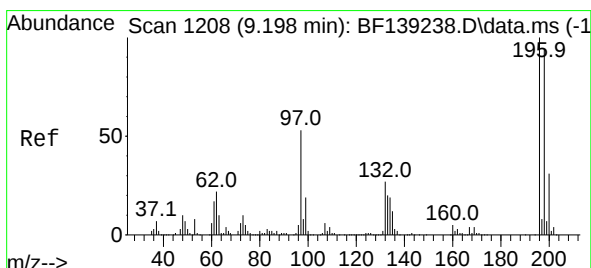
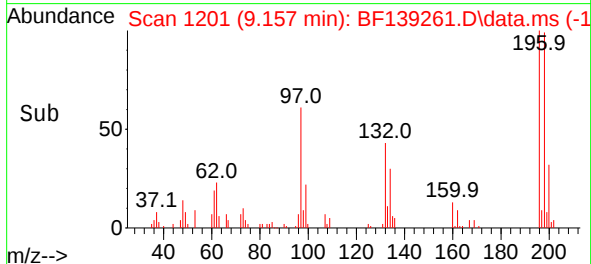
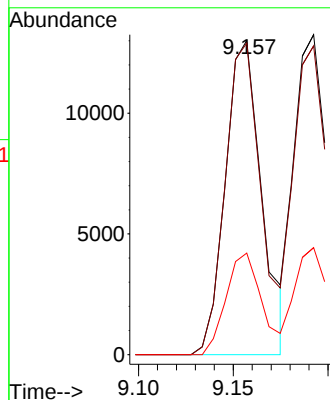
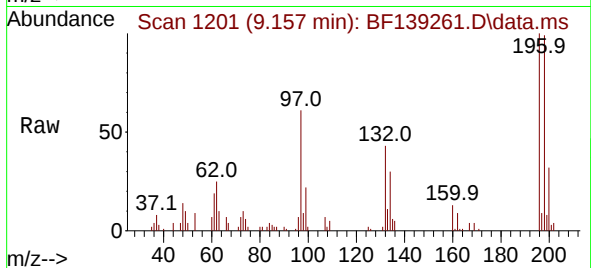
Tgt Ion:196 Resp: 17307

Ion Ratio Lower Upper

196 100

198 99.2 77.0 115.4

200 32.4 24.7 37.1



#44

2,4,5-Trichlorophenol

Concen: 3.637 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

Tgt Ion:196 Resp: 17652

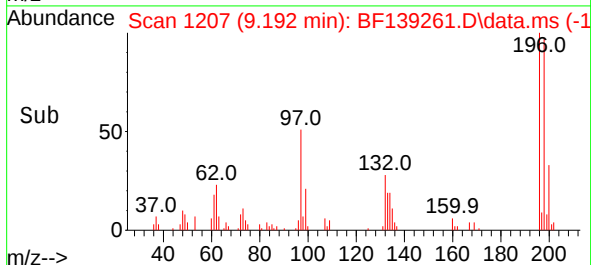
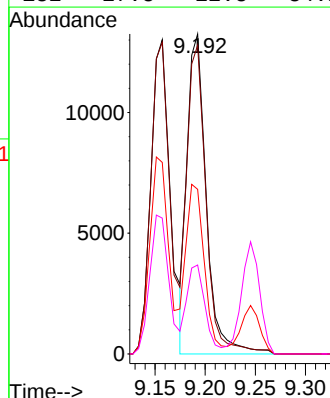
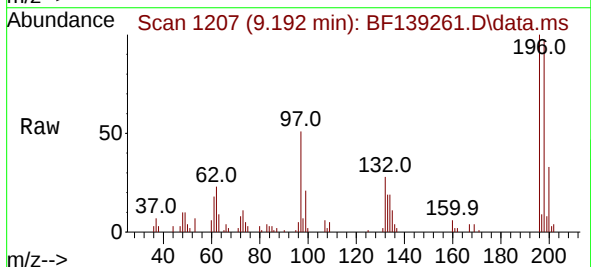
Ion Ratio Lower Upper

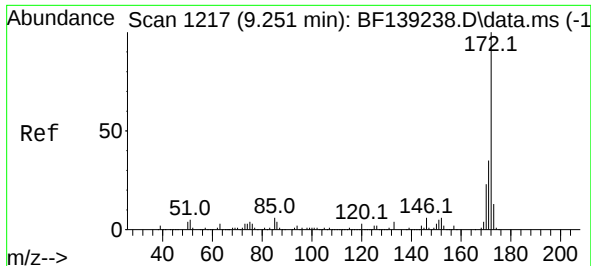
196 100

198 96.5 75.6 113.4

97 51.4 43.6 65.4

132 27.8 22.8 34.2





#45

2-Fluorobiphenyl

Concen: 77.691 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

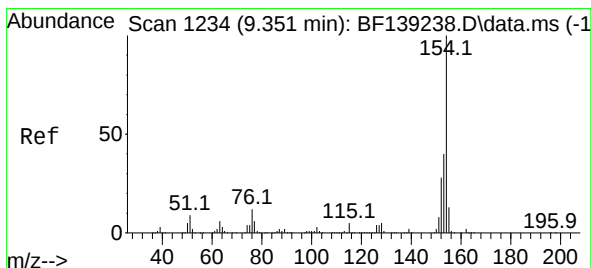
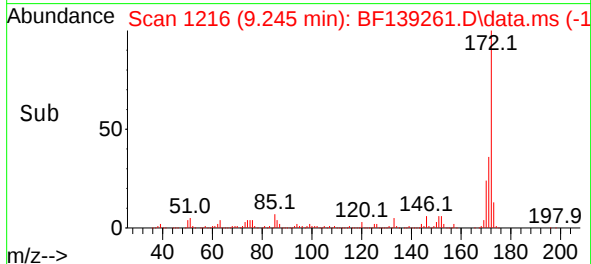
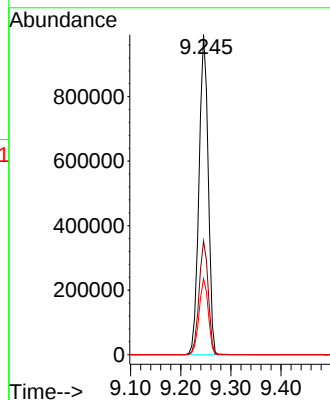
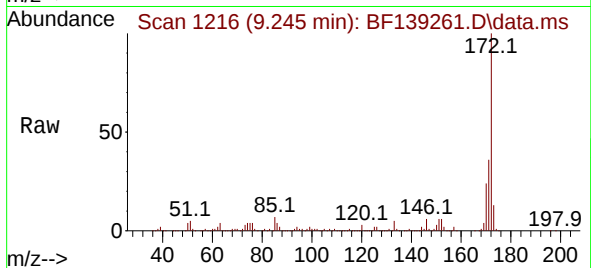
Tgt Ion:172 Resp: 1259104

Ion Ratio Lower Upper

172 100

171 35.5 28.3 42.5

170 23.8 18.7 28.1



#46

1,1'-Biphenyl

Concen: 4.396 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

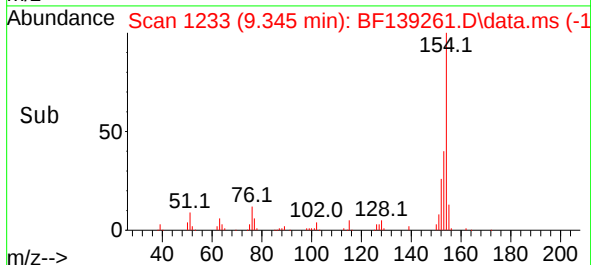
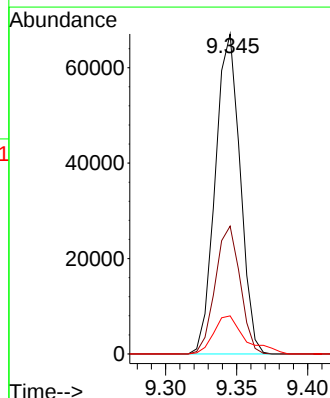
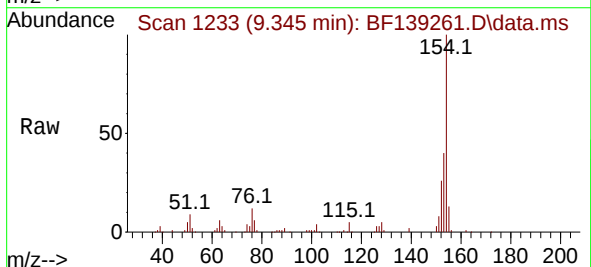
Tgt Ion:154 Resp: 81477

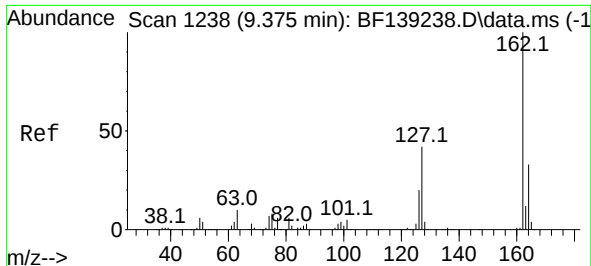
Ion Ratio Lower Upper

154 100

153 40.0 20.1 60.1

76 11.9 0.0 32.3





#47

2-Chloronaphthalene

Concen: 4.087 ng

RT: 9.369 min Scan# 1237

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

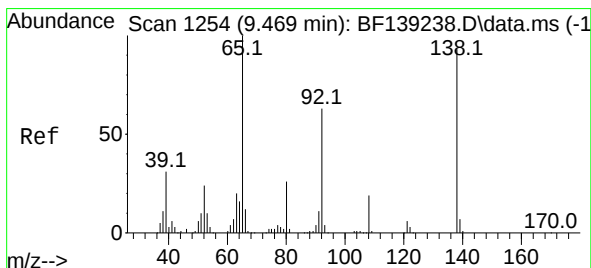
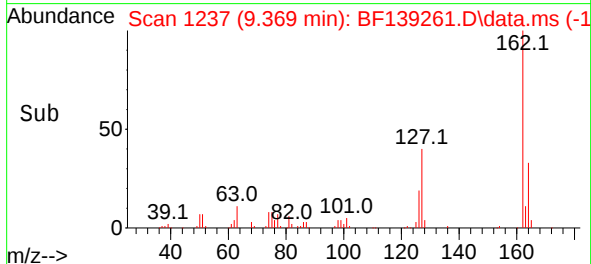
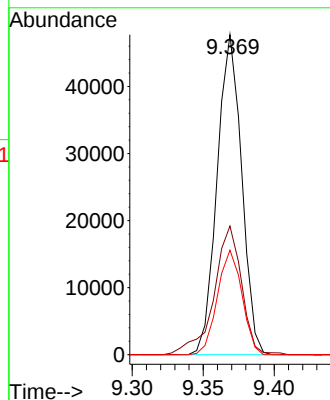
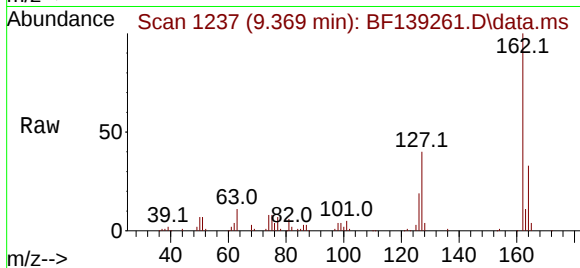
Tgt Ion:162 Resp: 57196

Ion Ratio Lower Upper

162 100

127 40.2 34.2 51.4

164 32.7 26.2 39.2



#48

2-Nitroaniline

Concen: 3.669 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.012 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

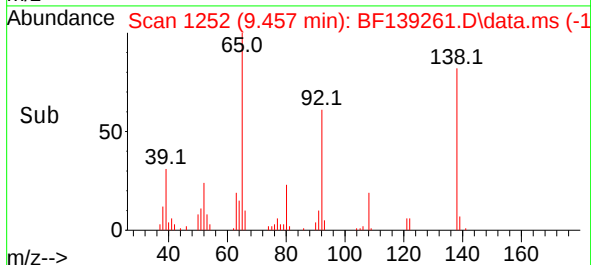
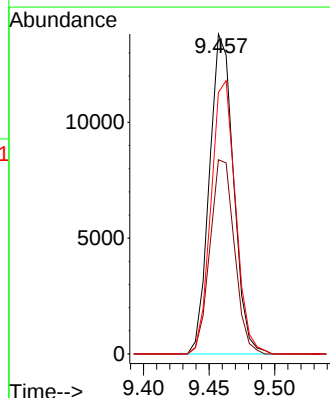
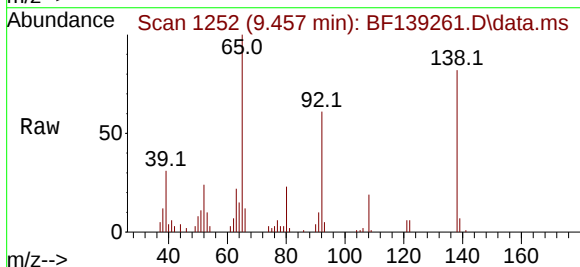
Tgt Ion: 65 Resp: 17688

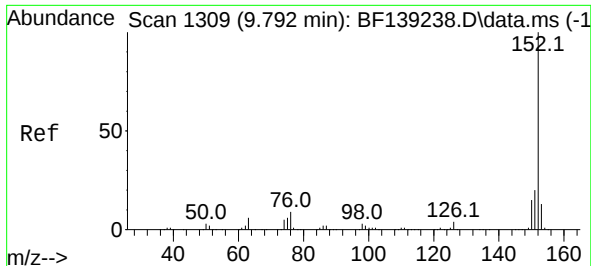
Ion Ratio Lower Upper

65 100

92 60.7 50.4 75.6

138 81.8 74.2 111.4





#49

Acenaphthylene

Concen: 4.383 ng

RT: 9.781 min Scan# 1307

Delta R.T. -0.012 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

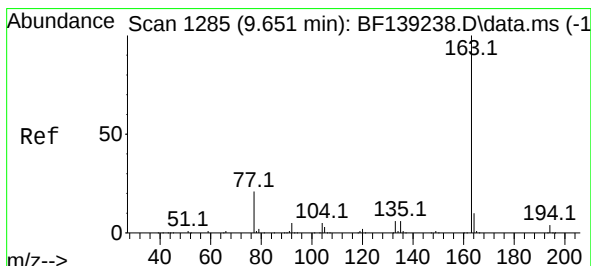
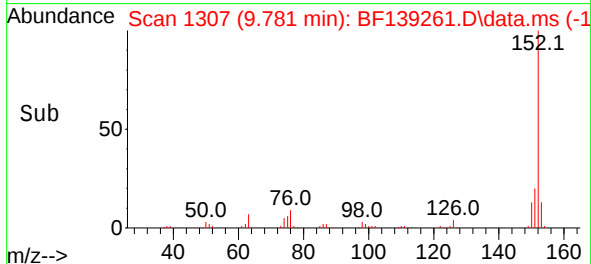
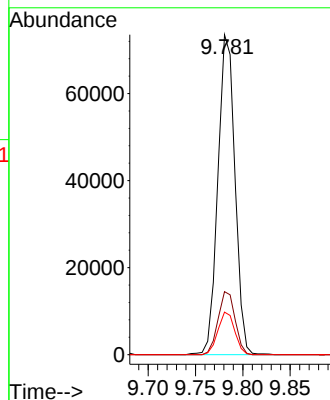
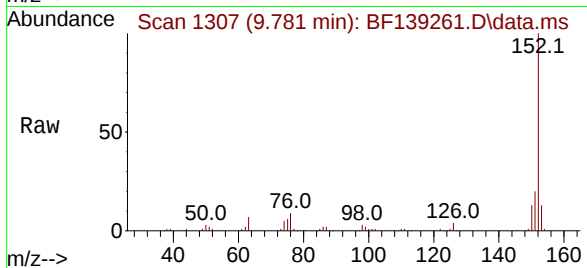
Tgt Ion:152 Resp: 92400

Ion Ratio Lower Upper

152 100

151 19.7 16.0 24.0

153 13.3 10.4 15.6



#50

Dimethylphthalate

Concen: 4.092 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

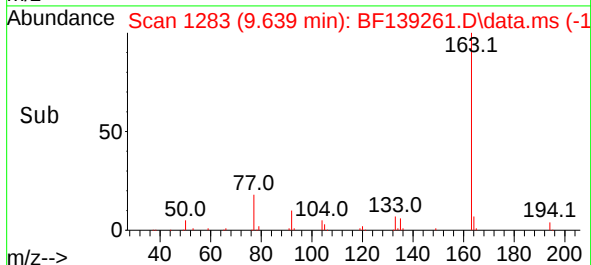
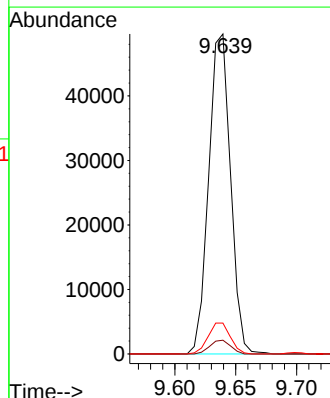
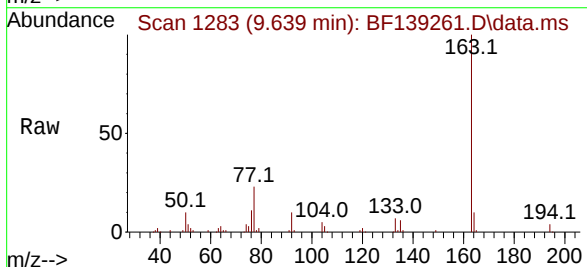
Tgt Ion:163 Resp: 62049

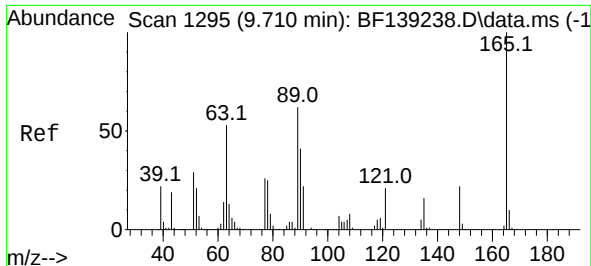
Ion Ratio Lower Upper

163 100

194 4.3 3.2 4.8

164 9.6 7.9 11.9





#51

2,6-Dinitrotoluene

Concen: 3.479 ng

RT: 9.698 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

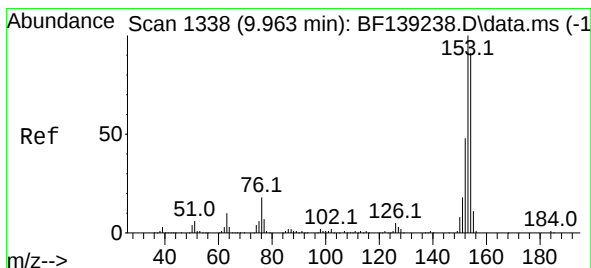
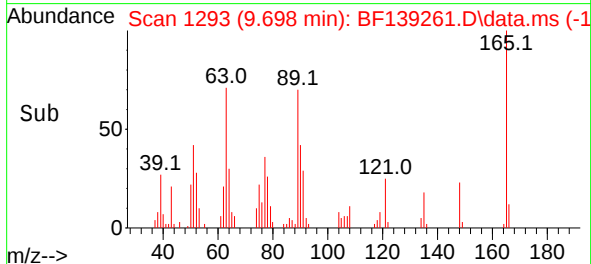
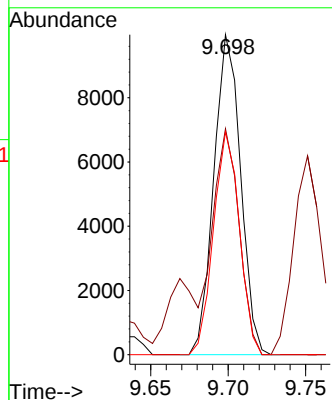
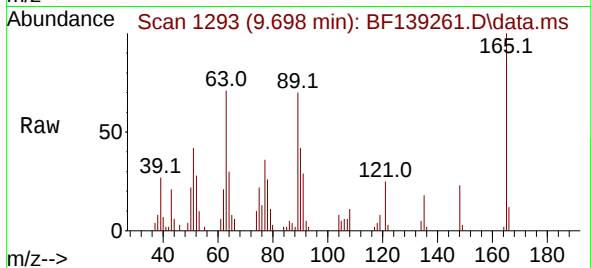
Tgt Ion:165 Resp: 11966

Ion Ratio Lower Upper

165 100

63 70.6 56.1 84.1

89 69.7 49.7 74.5



#52

Acenaphthene

Concen: 3.784 ng

RT: 9.957 min Scan# 1337

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

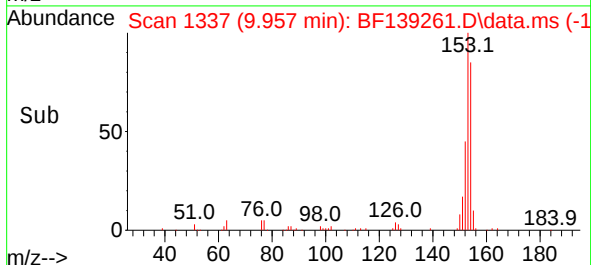
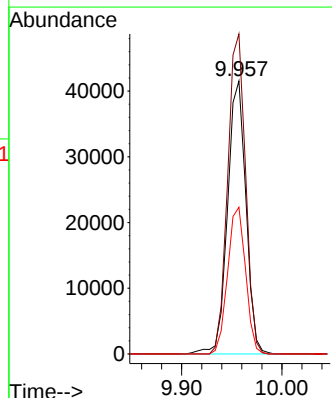
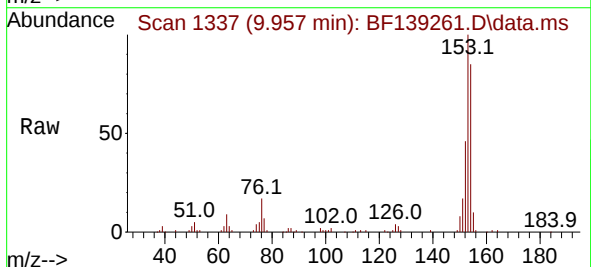
Tgt Ion:154 Resp: 52903

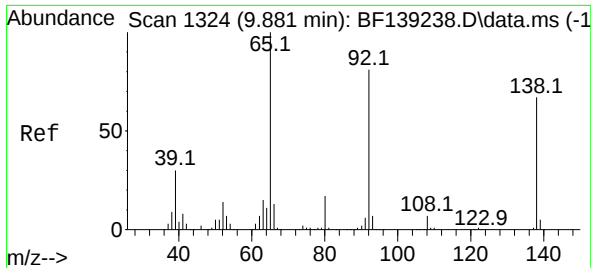
Ion Ratio Lower Upper

154 100

153 117.3 87.8 131.6

152 53.8 41.7 62.5





#53

3-Nitroaniline

Concen: 3.546 ng

RT: 9.869 min Scan# 1322

Delta R.T. -0.012 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

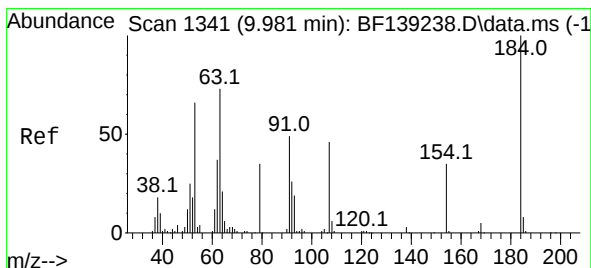
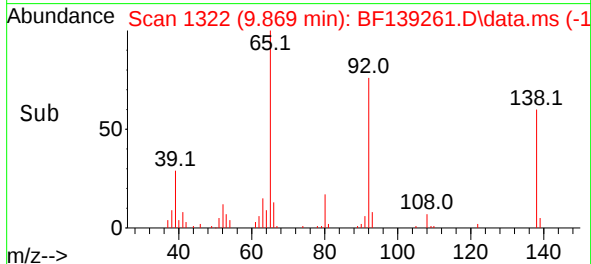
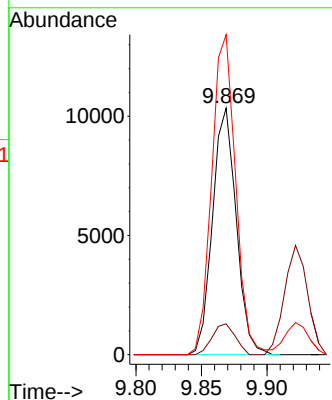
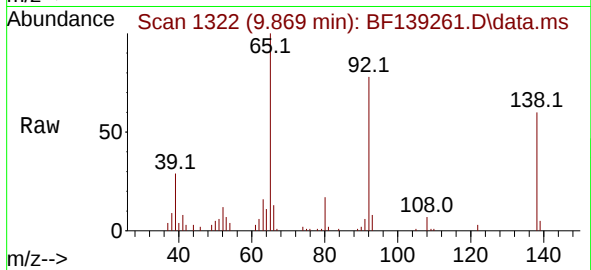
Tgt Ion:138 Resp: 12997

Ion Ratio Lower Upper

138 100

108 12.5 8.6 13.0

92 129.8 96.4 144.6



#54

2,4-Dinitrophenol

Concen: 8.198 ng

RT: 9.975 min Scan# 1340

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

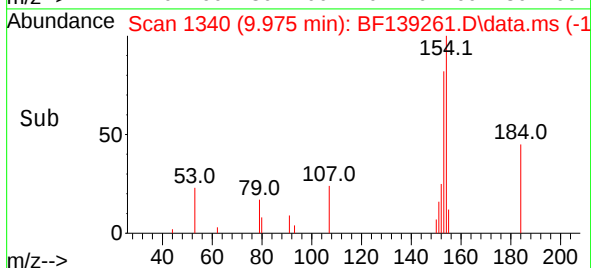
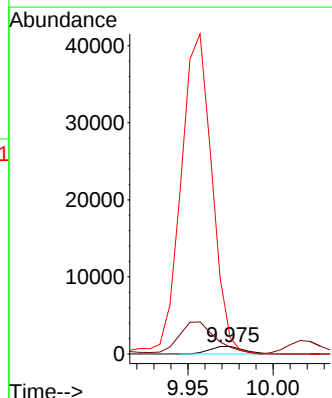
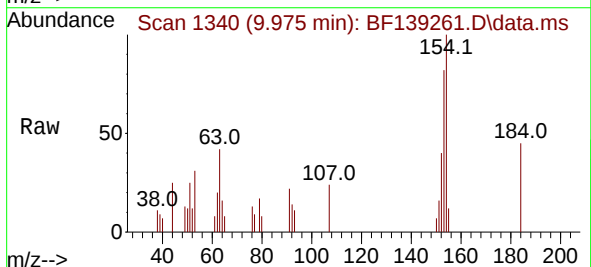
Tgt Ion:184 Resp: 1338

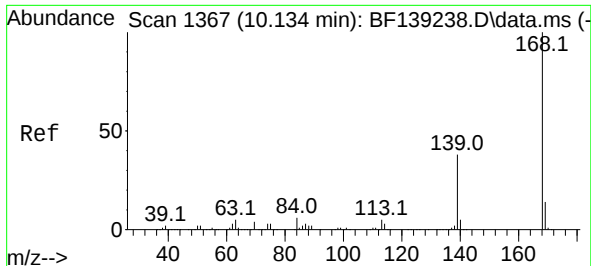
Ion Ratio Lower Upper

184 100

63 92.1 66.4 99.6

154 220.9 97.0 145.6#

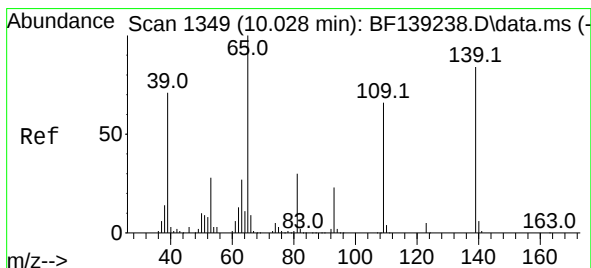
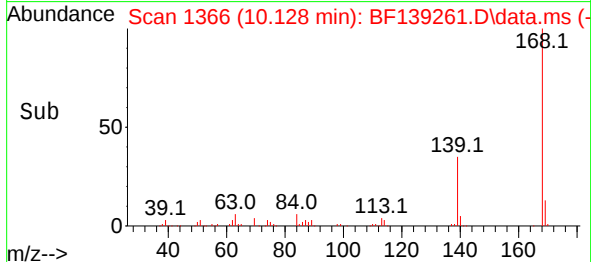
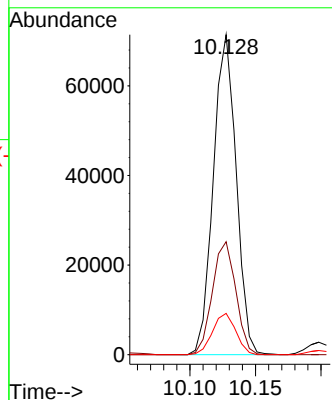
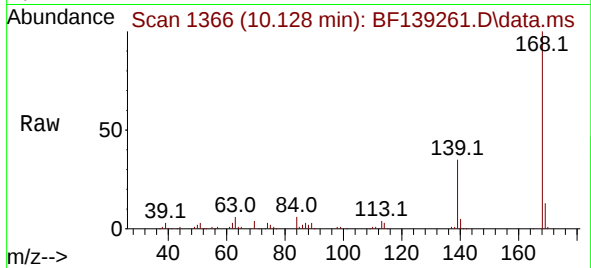




#55
Dibenzenofuran
Concen: 4.312 ng
RT: 10.128 min Scan# 1366
Delta R.T. -0.006 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

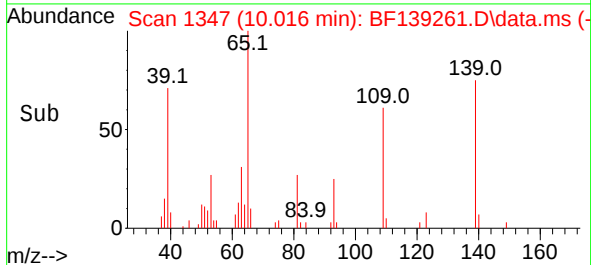
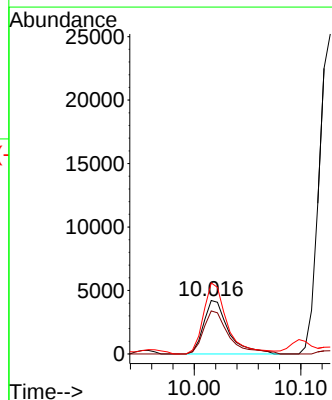
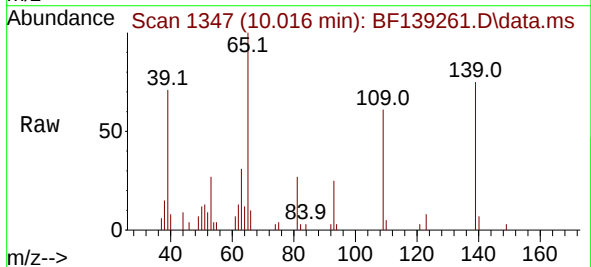
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

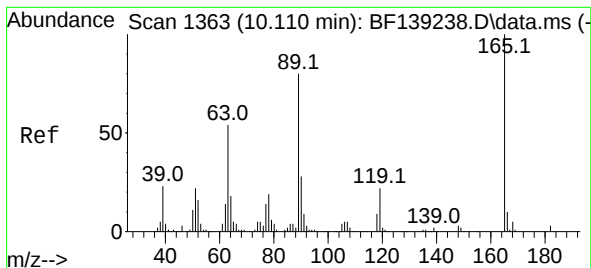
Tgt Ion:168 Resp: 86436
Ion Ratio Lower Upper
168 100
139 35.3 30.2 45.4
169 12.9 10.8 16.2



#56
4-Nitrophenol
Concen: 2.523 ng
RT: 10.016 min Scan# 1347
Delta R.T. -0.012 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

Tgt Ion:139 Resp: 6824
Ion Ratio Lower Upper
139 100
109 80.5 58.7 98.7
65 132.7 100.3 140.3





#57

2,4-Dinitrotoluene

Concen: 3.439 ng

RT: 10.098 min Scan# 1424

Delta R.T. -0.012 min

Lab File: BF139261.D

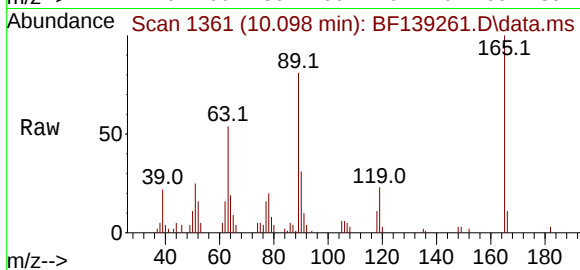
Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:165 Resp: 15058

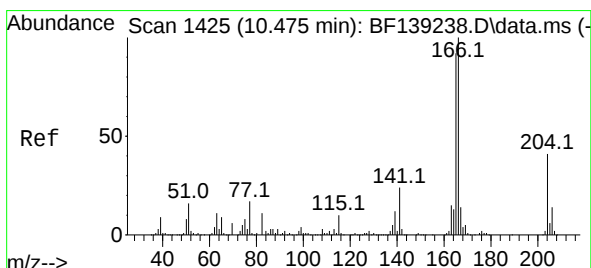
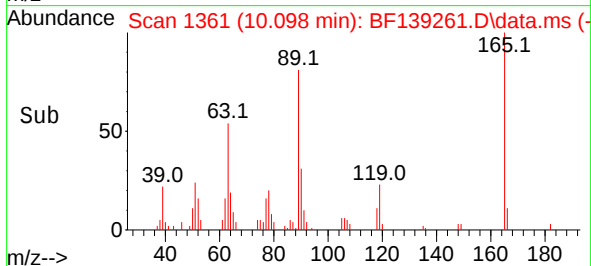
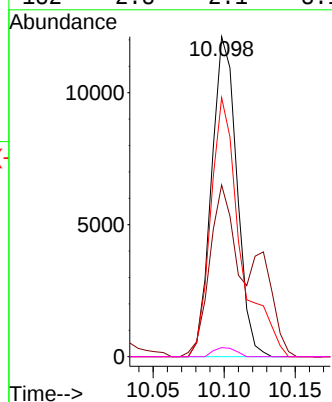
Ion Ratio Lower Upper

165 100

63 53.6 43.4 65.0

89 80.9 64.2 96.4

182 2.8 2.1 3.1



#58

Fluorene

Concen: 4.167 ng

RT: 10.469 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

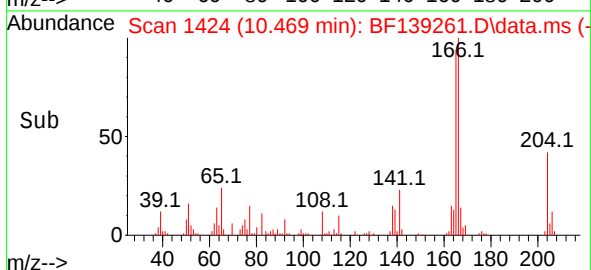
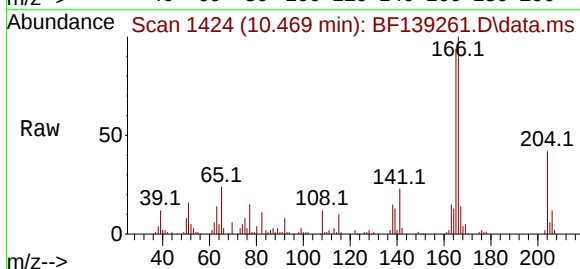
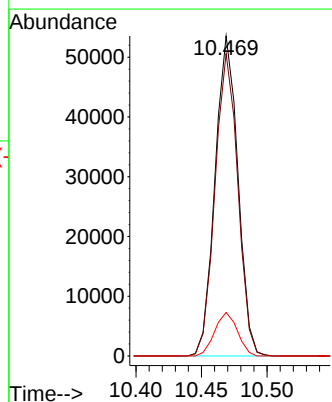
Tgt Ion:166 Resp: 64764

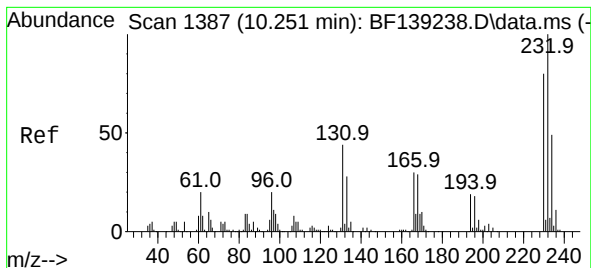
Ion Ratio Lower Upper

166 100

165 94.5 73.7 110.5

167 13.6 10.9 16.3

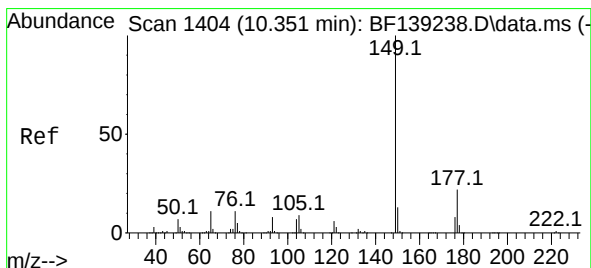
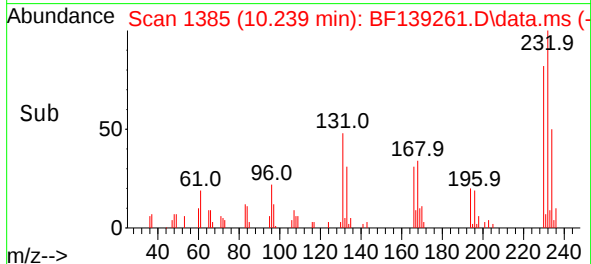
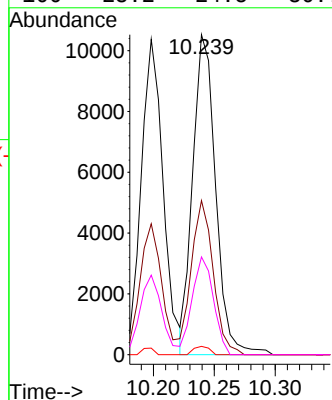
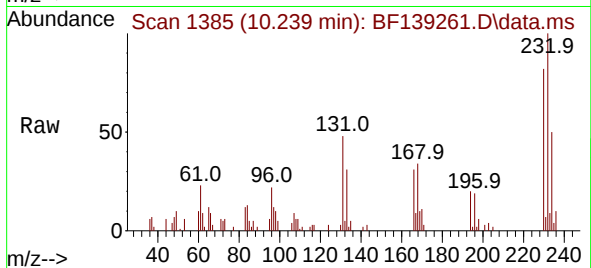




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.608 ng
RT: 10.239 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

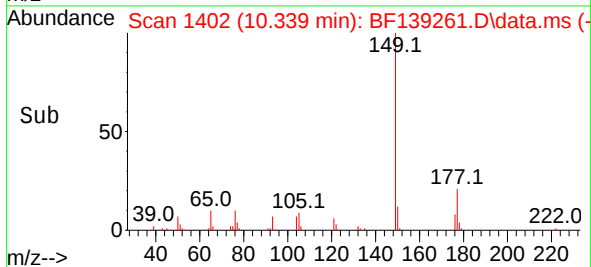
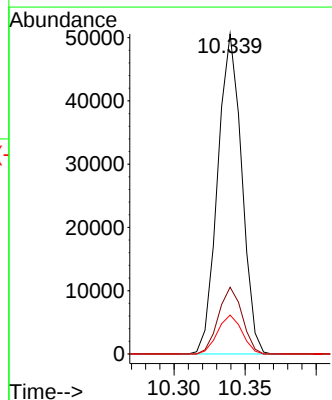
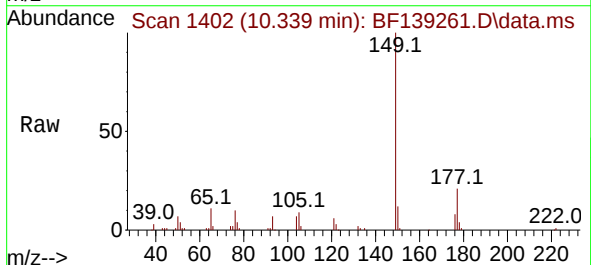
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

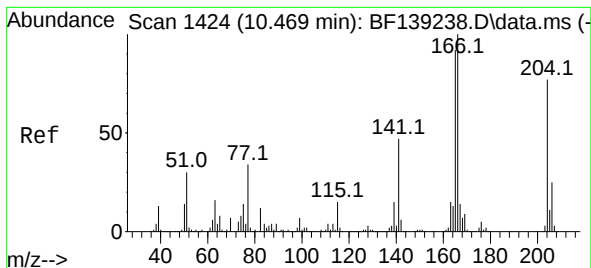
Tgt Ion:232 Resp: 13783
Ion Ratio Lower Upper
232 100
131 46.8 37.7 56.5
130 1.8 1.9 2.9#
166 28.2 24.5 36.7



#60
Diethylphthalate
Concen: 3.985 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

Tgt Ion:149 Resp: 59463
Ion Ratio Lower Upper
149 100
177 20.9 17.7 26.5
150 12.1 10.2 15.2

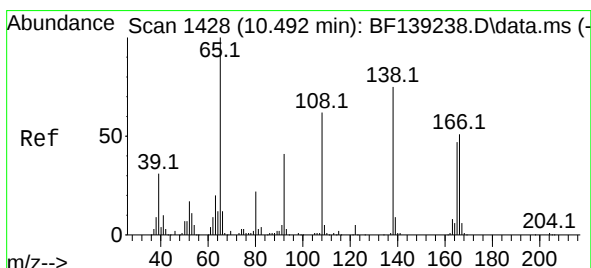
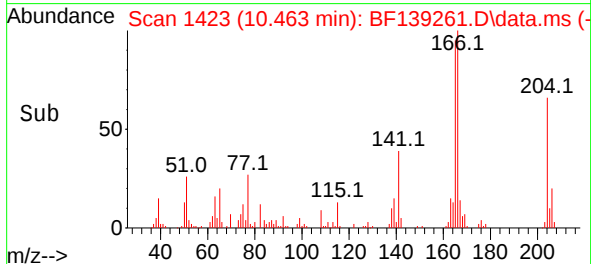
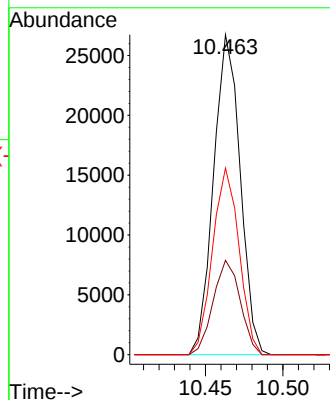
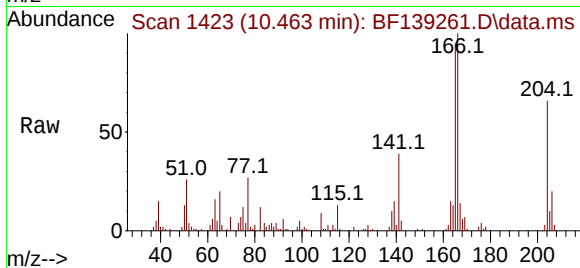




#61
4-Chlorophenyl-phenylether
Concen: 4.256 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

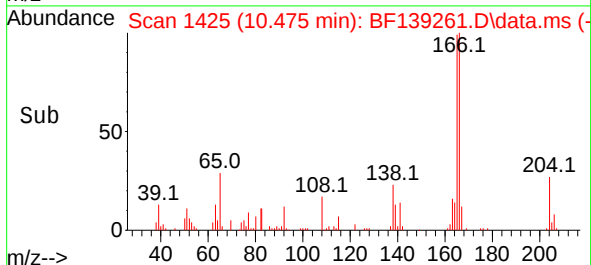
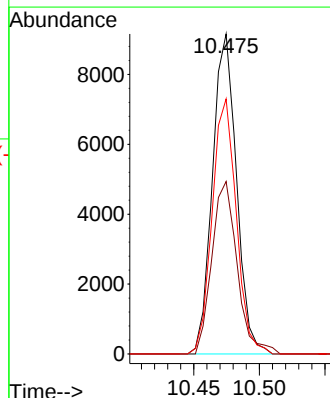
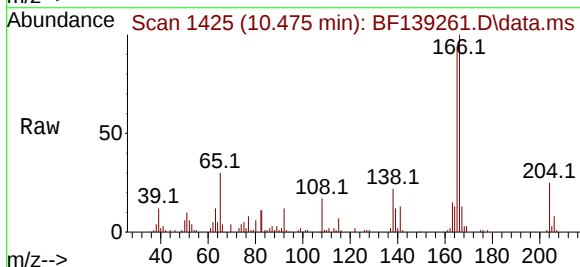
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

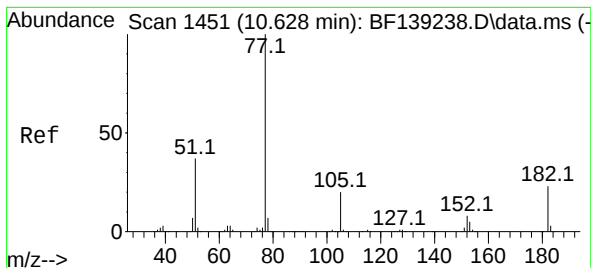
Tgt Ion:204 Resp: 31901
Ion Ratio Lower Upper
204 100
206 29.5 25.8 38.8
141 58.3 48.6 72.8



#62
4-Nitroaniline
Concen: 3.342 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.018 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

Tgt Ion:138 Resp: 11659
Ion Ratio Lower Upper
138 100
92 53.9 34.4 74.4
108 79.7 62.7 102.7





#63

Azobenzene

Concen: 3.960 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF139261.D

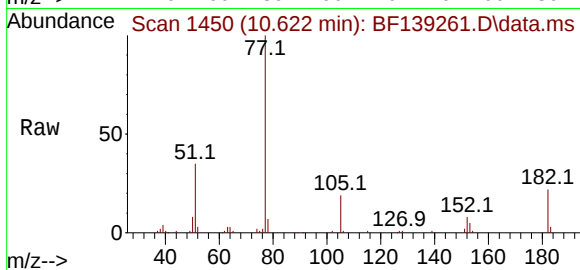
Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 77 Resp: 62276

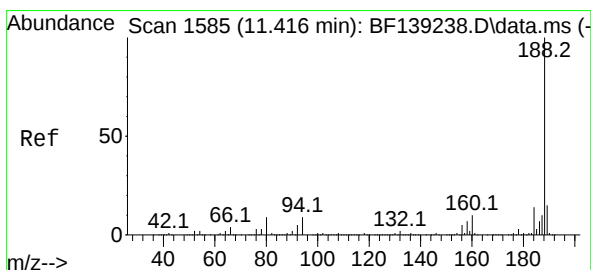
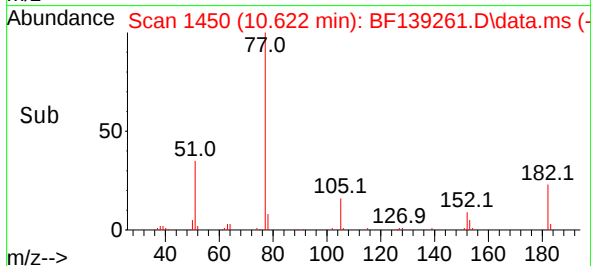
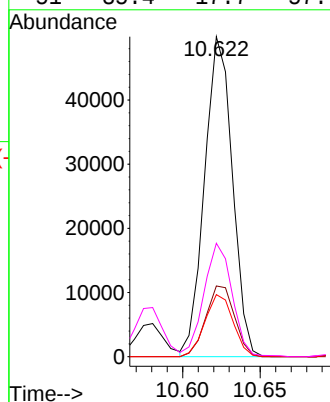
Ion Ratio Lower Upper

77 100

182 22.1 3.0 43.0

105 19.4 0.0 39.4

51 35.4 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: BF139261.D

Acq: 05 Sep 2024 16:55

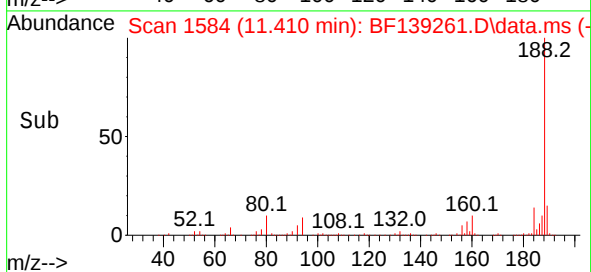
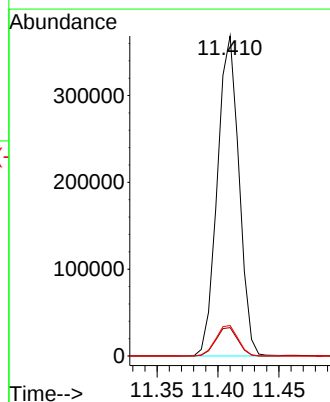
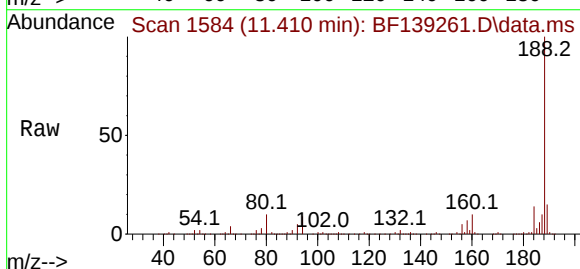
Tgt Ion:188 Resp: 455918

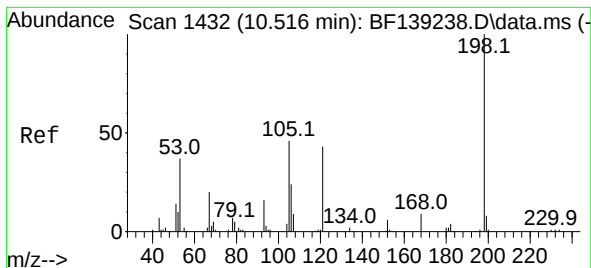
Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.4

80 9.5 7.3 10.9

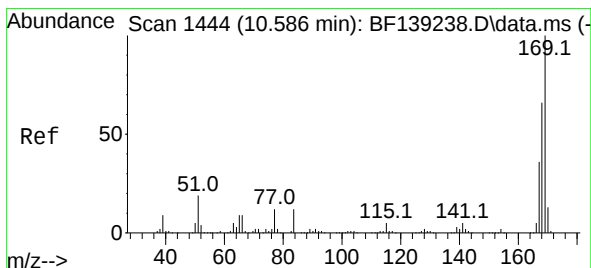
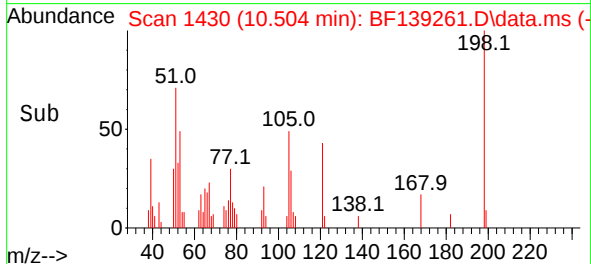
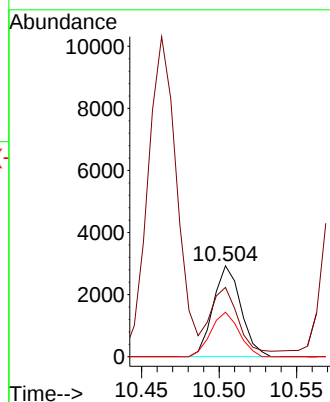
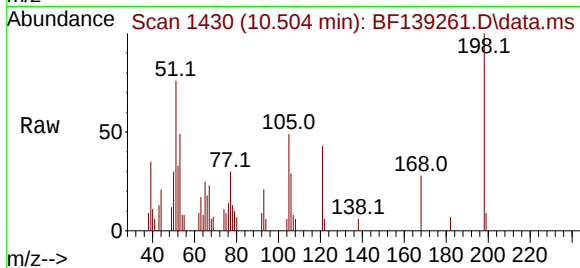




#65
4,6-Dinitro-2-methylphenol
Concen: 1.729 ng
RT: 10.504 min Scan# 1432
Delta R.T. -0.012 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

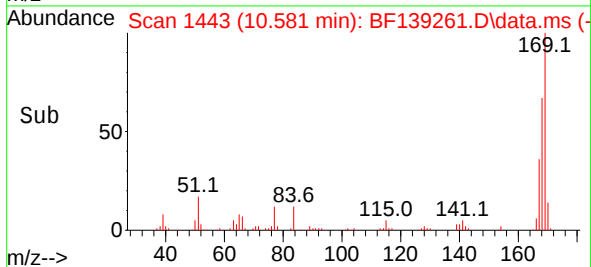
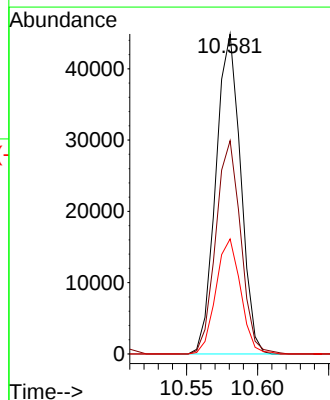
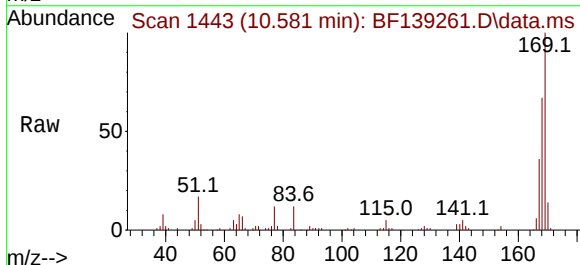
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

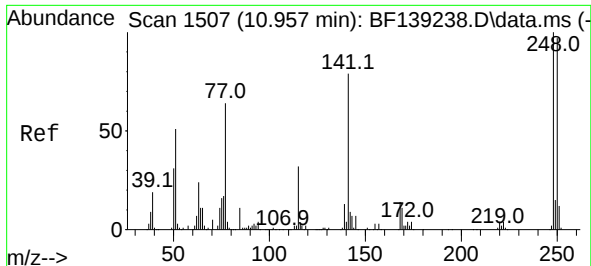
Tgt Ion:198 Resp: 3642
Ion Ratio Lower Upper
198 100
51 76.2 47.2 87.2
105 49.0 27.1 67.1



#66
n-Nitrosodiphenylamine
Concen: 4.098 ng
RT: 10.581 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

Tgt Ion:169 Resp: 54381
Ion Ratio Lower Upper
169 100
168 66.7 53.0 79.6
167 36.0 29.0 43.6

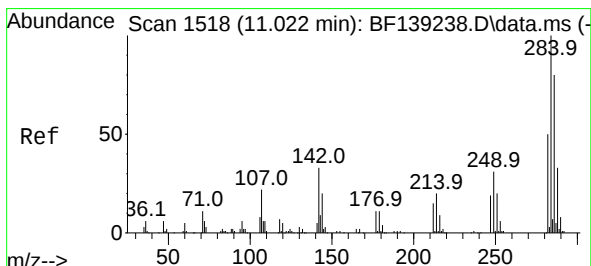
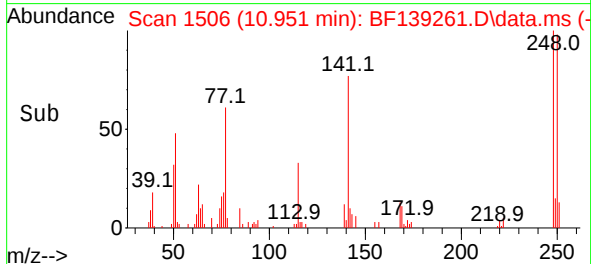
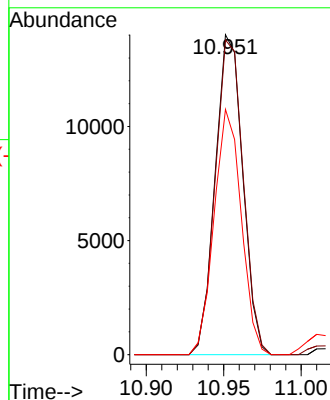
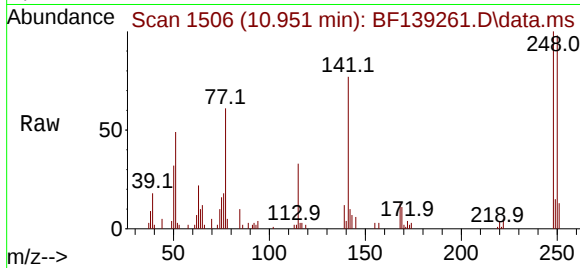




#67
4-Bromophenyl-phenylether
Concen: 3.925 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

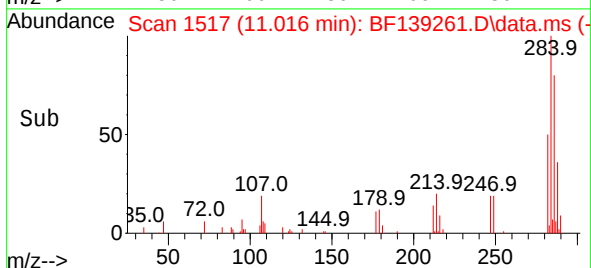
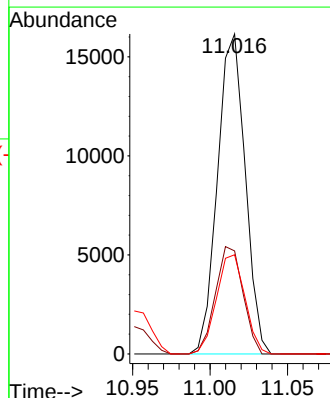
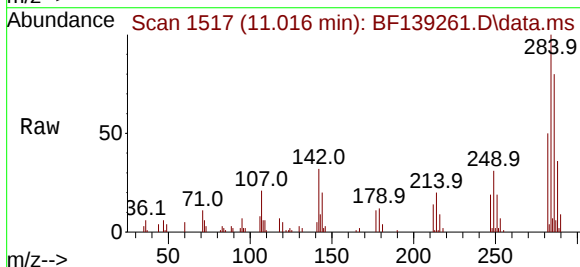
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

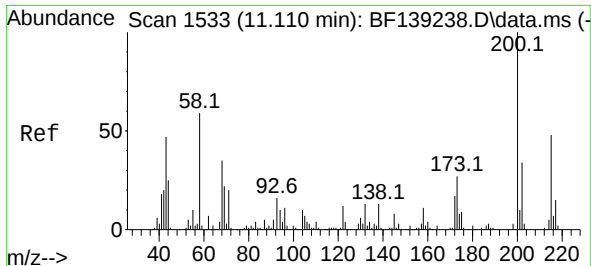
Tgt Ion:248 Resp: 17363
Ion Ratio Lower Upper
248 100
250 98.4 77.2 115.8
141 76.7 63.6 95.4



#68
Hexachlorobenzene
Concen: 3.965 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

Tgt Ion:284 Resp: 20079
Ion Ratio Lower Upper
284 100
142 32.2 26.5 39.7
249 31.0 24.8 37.2





#69

Atrazine

Concen: 4.971 ng

RT: 11.098 min Scan# 1533

Delta R.T. -0.012 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

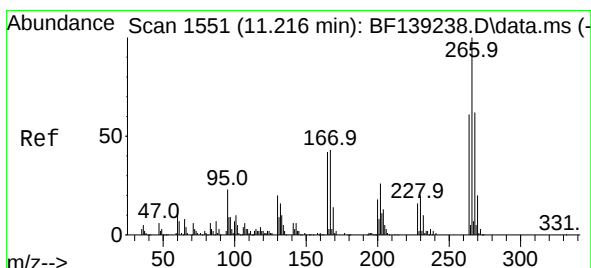
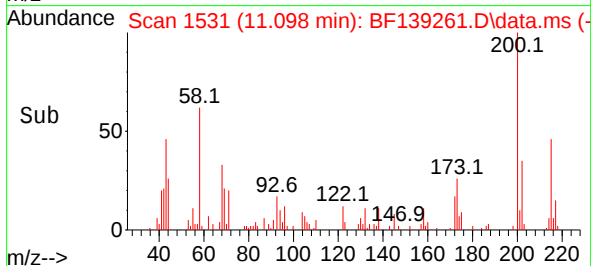
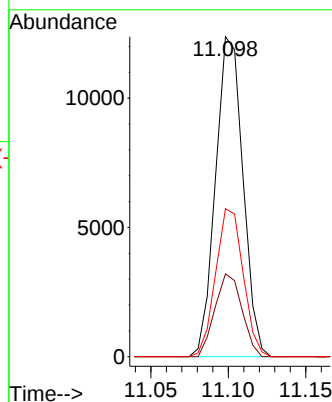
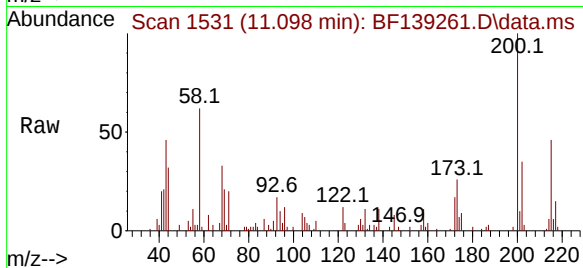
Tgt Ion:200 Resp: 15221

Ion Ratio Lower Upper

200 100

173 25.9 7.1 47.1

215 46.3 28.5 68.5



#70

Pentachlorophenol

Concen: 2.205 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

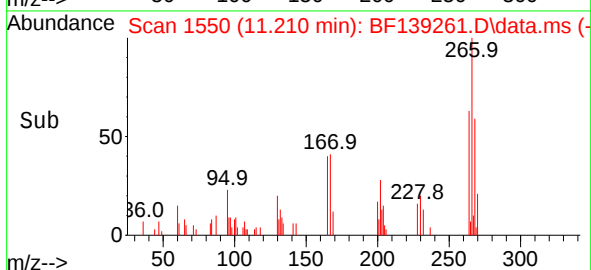
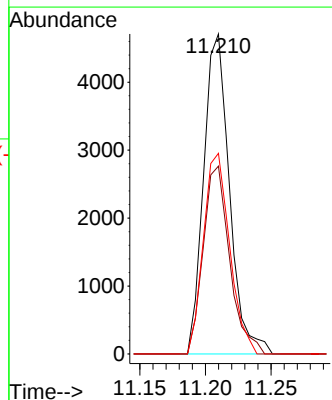
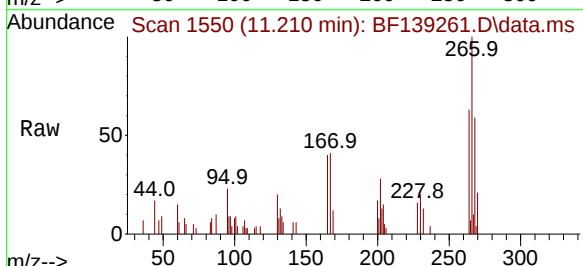
Tgt Ion:266 Resp: 6451

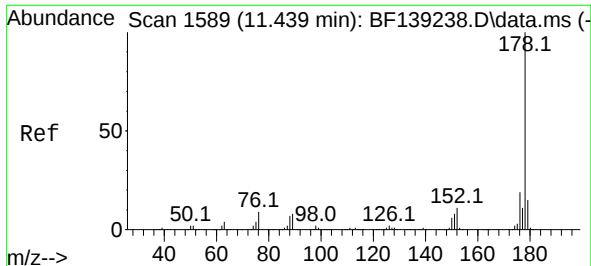
Ion Ratio Lower Upper

266 100

268 58.7 49.7 74.5

264 62.7 49.2 73.8

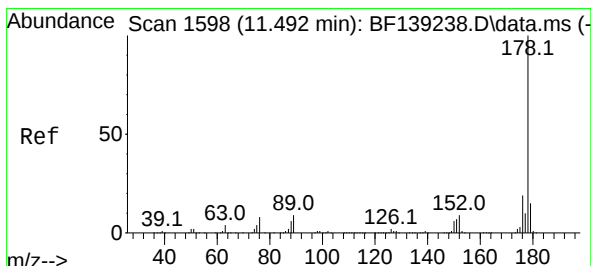
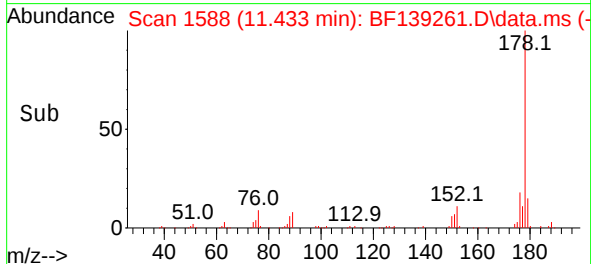
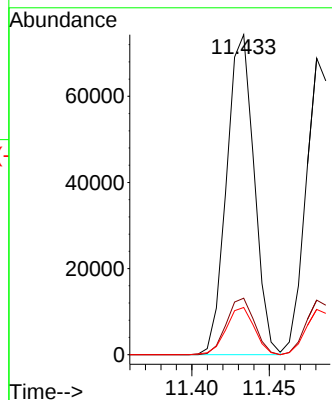
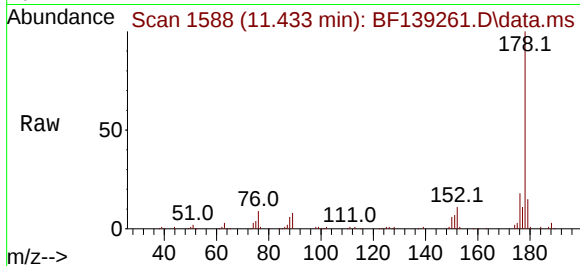




#71
Phenanthrene
Concen: 4.314 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

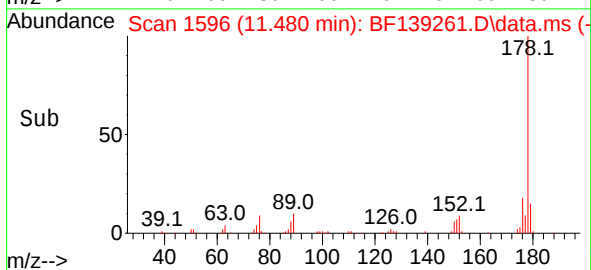
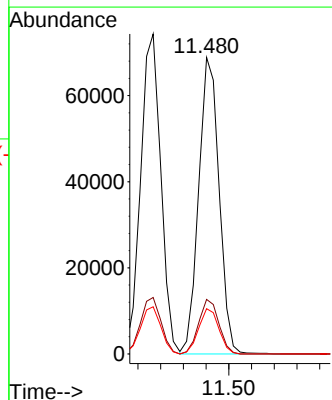
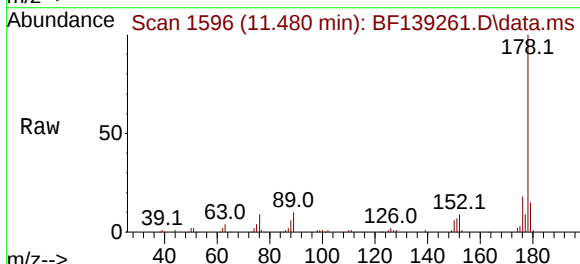
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

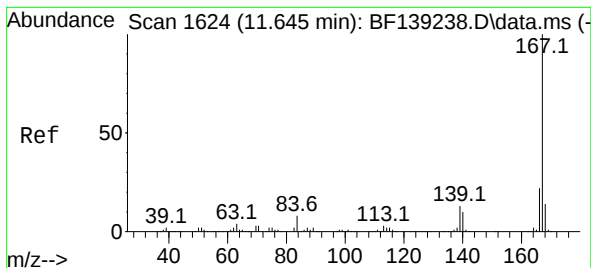
Tgt Ion:178 Resp: 91876
Ion Ratio Lower Upper
178 100
176 17.7 15.4 23.0
179 14.7 12.3 18.5



#72
Anthracene
Concen: 4.139 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.012 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

Tgt Ion:178 Resp: 86123
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.4
179 15.3 12.3 18.5





#73

Carbazole

Concen: 3.893 ng

RT: 11.633 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139261.D

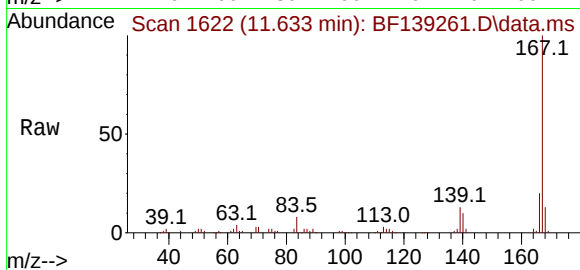
Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



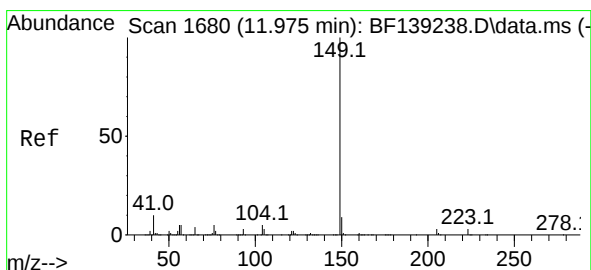
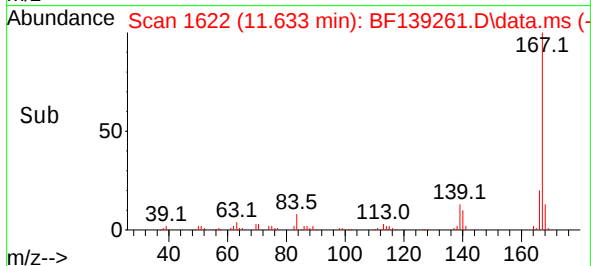
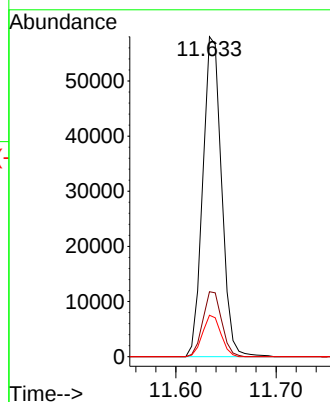
Tgt Ion:167 Resp: 75696

Ion Ratio Lower Upper

167 100

166 20.3 17.2 25.8

139 12.9 10.2 15.4



#74

Di-n-butylphthalate

Concen: 3.631 ng

RT: 11.969 min Scan# 1679

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

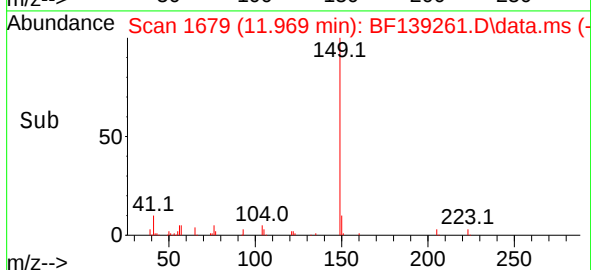
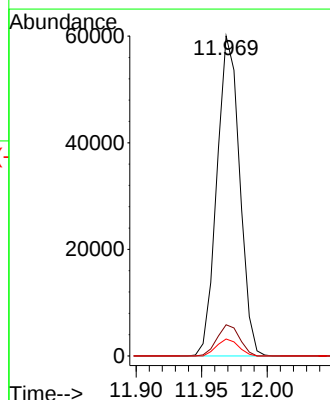
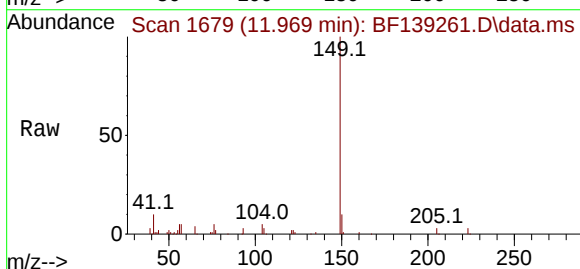
Tgt Ion:149 Resp: 72299

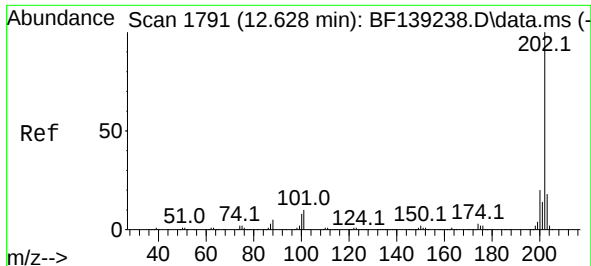
Ion Ratio Lower Upper

149 100

150 9.7 7.5 11.3

104 5.3 3.9 5.9

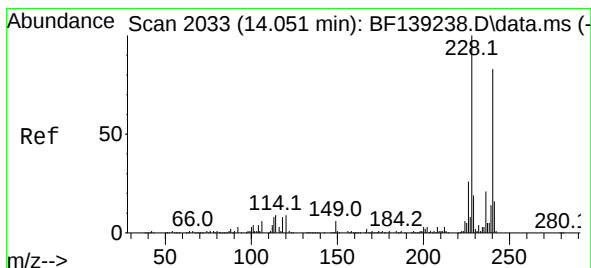
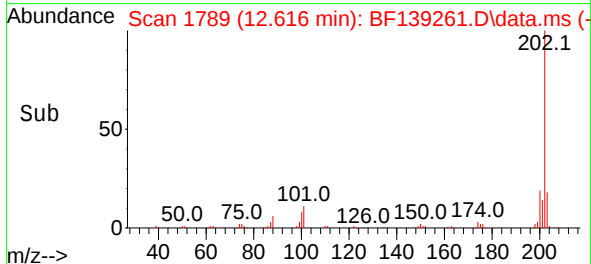
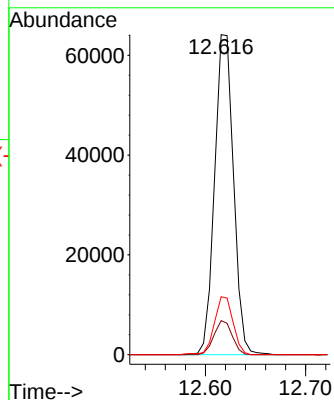
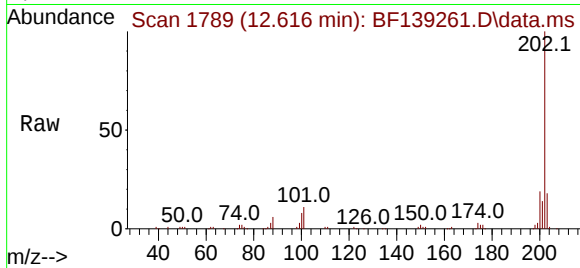




#75
Fluoranthene
Concen: 3.939 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

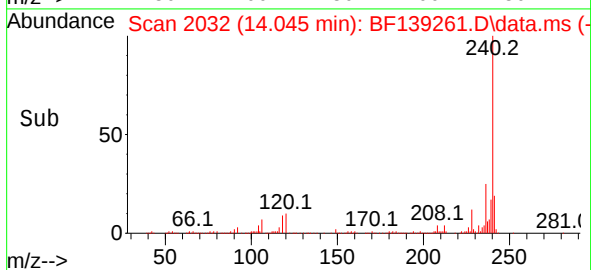
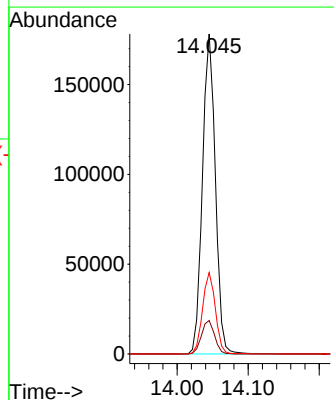
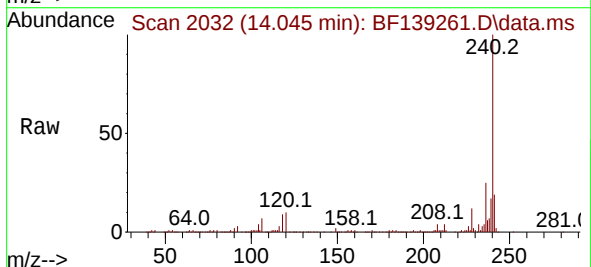
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

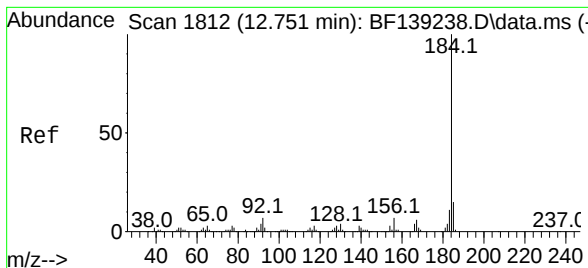
Tgt Ion:202 Resp: 84102
Ion Ratio Lower Upper
202 100
101 10.6 0.0 29.9
203 18.1 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

Tgt Ion:240 Resp: 225688
Ion Ratio Lower Upper
240 100
120 10.4 8.6 12.8
236 25.5 20.7 31.1





#77

Benzidine

Concen: 4.315 ng

RT: 12.745 min Scan# 1811

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

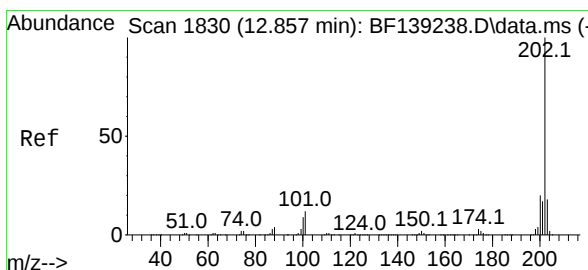
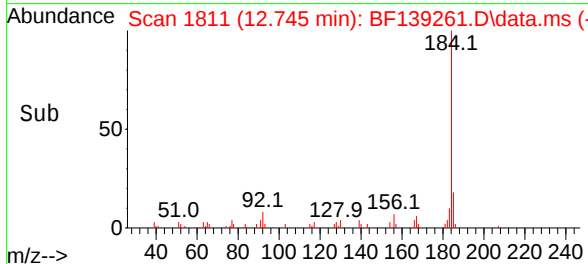
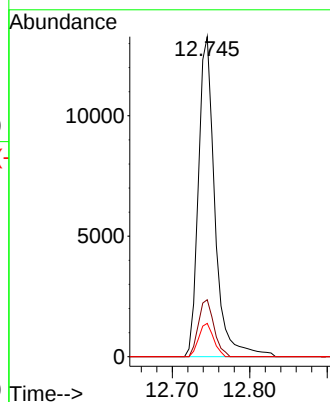
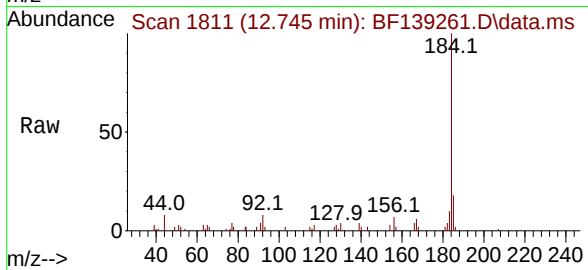
Tgt Ion:184 Resp: 19610

Ion Ratio Lower Upper

184 100

185 17.8 11.9 17.9

183 10.4 8.8 13.2



#78

Pyrene

Concen: 4.081 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.012 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

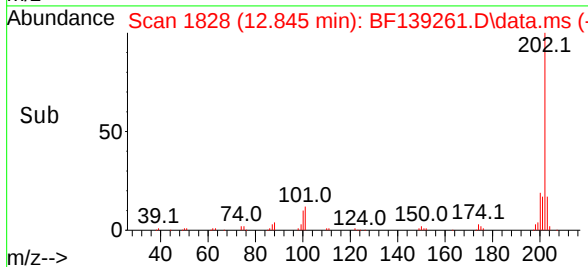
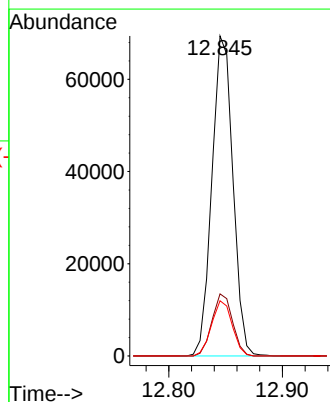
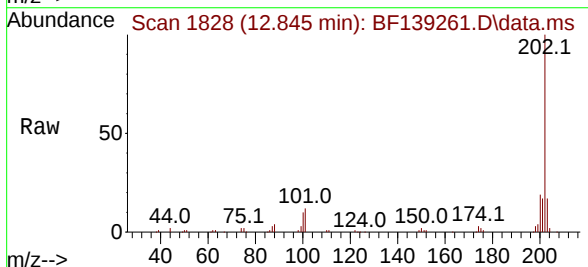
Tgt Ion:202 Resp: 88969

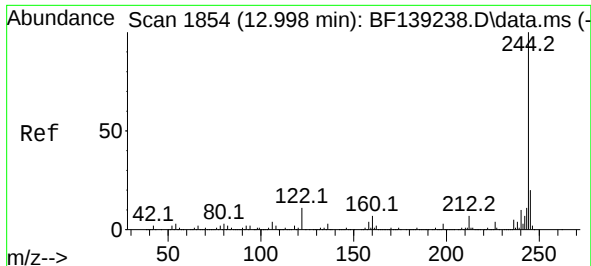
Ion Ratio Lower Upper

202 100

200 19.4 15.8 23.8

203 17.2 14.1 21.1

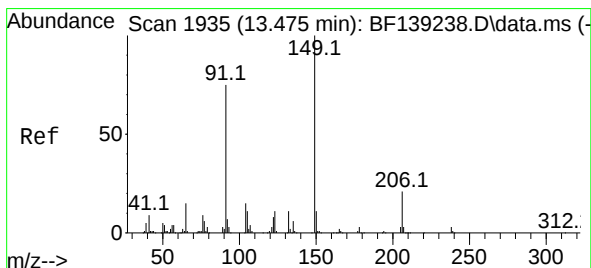
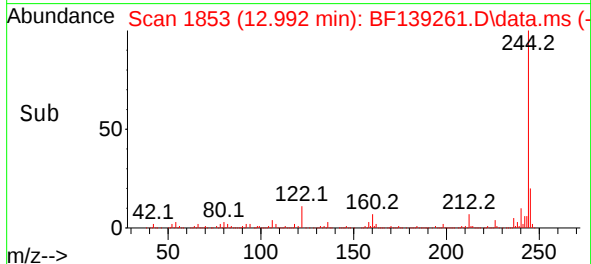
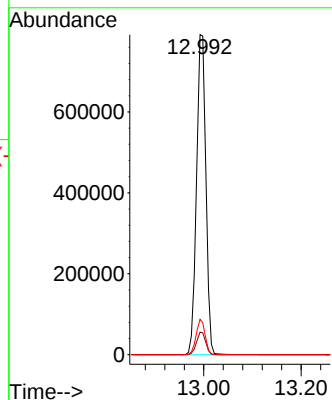
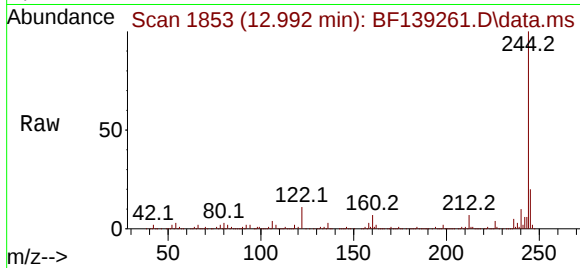




#79
 Terphenyl-d14
 Concen: 75.888 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF139261.D
 Acq: 05 Sep 2024 16:55

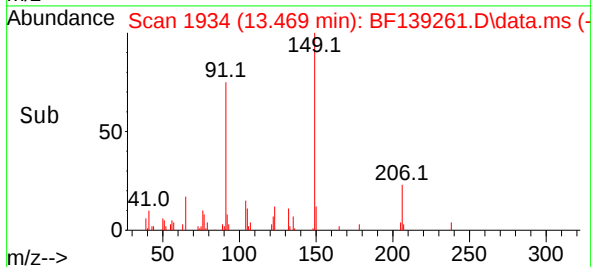
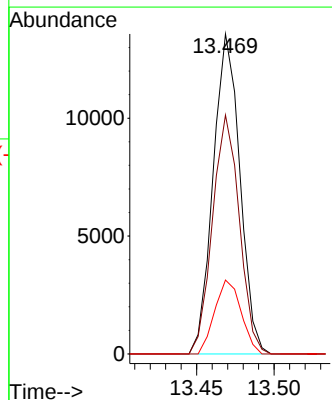
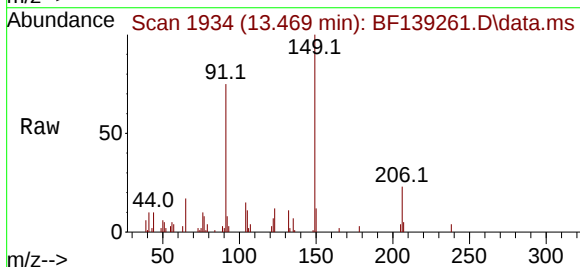
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

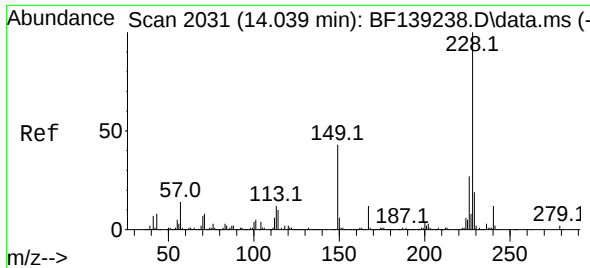
Tgt Ion:244 Resp: 1060766
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 11.1 8.7 13.1



#80
 Butylbenzylphthalate
 Concen: 3.173 ng
 RT: 13.469 min Scan# 1934
 Delta R.T. -0.006 min
 Lab File: BF139261.D
 Acq: 05 Sep 2024 16:55

Tgt Ion:149 Resp: 16286
 Ion Ratio Lower Upper
 149 100
 91 74.6 60.3 90.5
 206 23.1 16.7 25.1

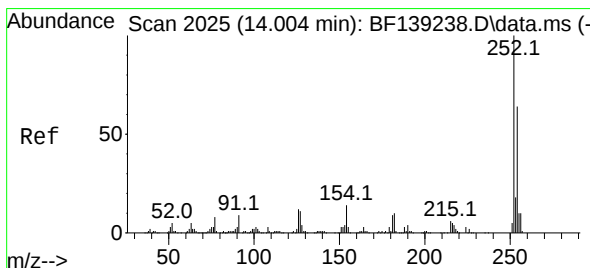
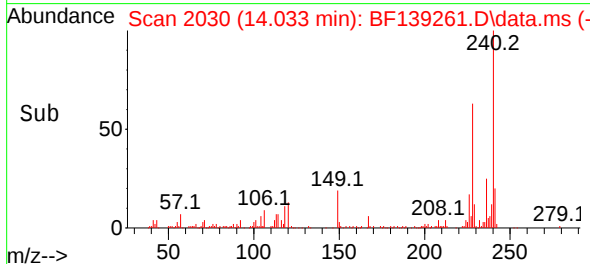
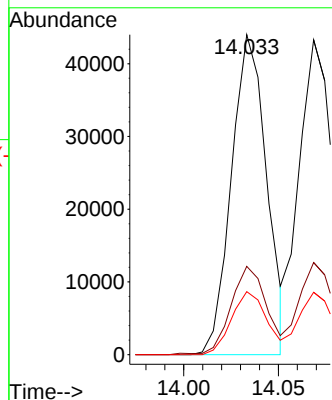
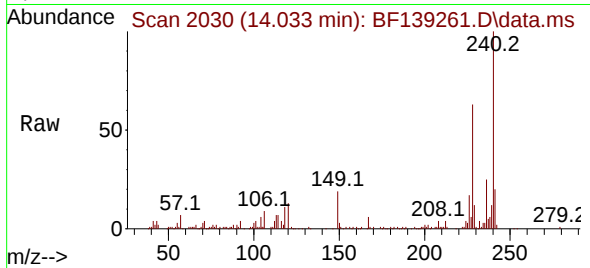




#81
Benzo(a)anthracene
Concen: 3.947 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

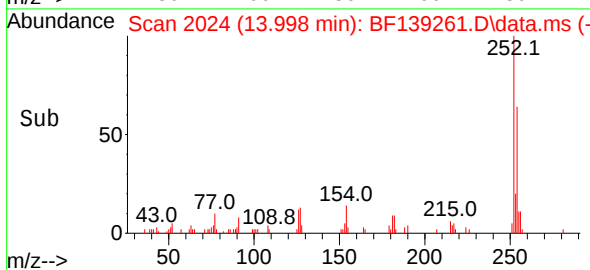
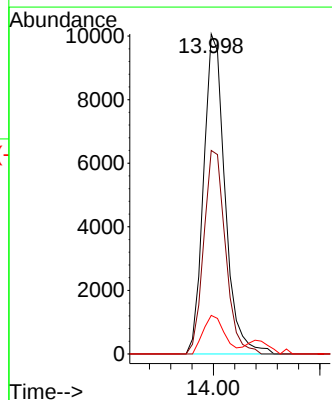
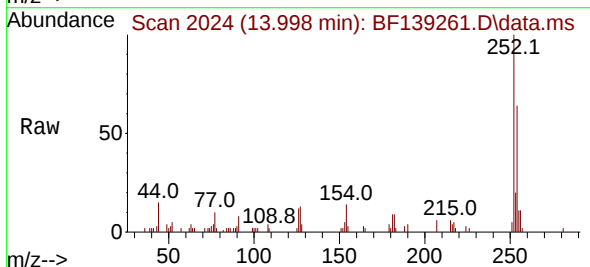
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

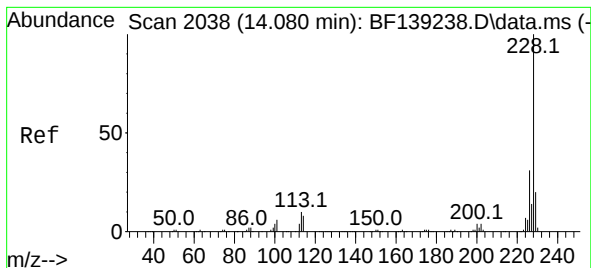
Tgt Ion:228 Resp: 56874
Ion Ratio Lower Upper
228 100
226 27.6 21.5 32.3
229 19.7 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 3.665 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139261.D
Acq: 05 Sep 2024 16:55

Tgt Ion:252 Resp: 14026
Ion Ratio Lower Upper
252 100
254 63.6 51.5 77.3
126 12.0 9.2 13.8





#83

Chrysene

Concen: 4.097 ng

RT: 14.069 min Scan# 2038

Delta R.T. -0.012 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

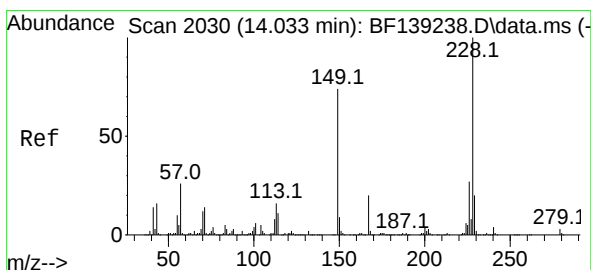
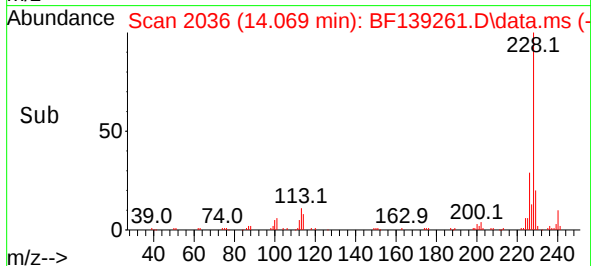
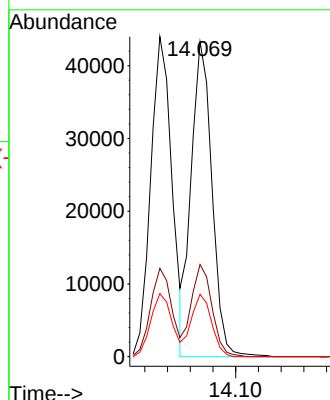
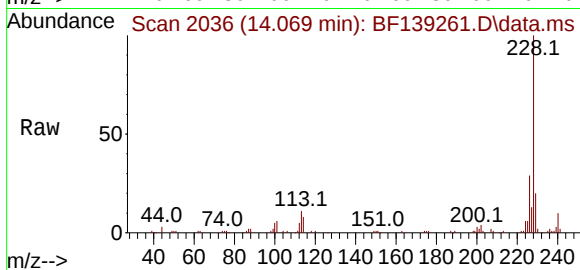
Tgt Ion:228 Resp: 55106

Ion Ratio Lower Upper

228 100

226 29.3 23.8 35.8

229 19.8 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.954 ng

RT: 14.027 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

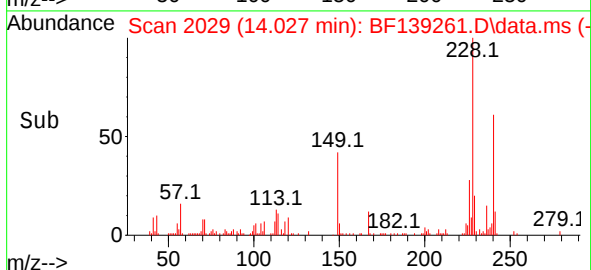
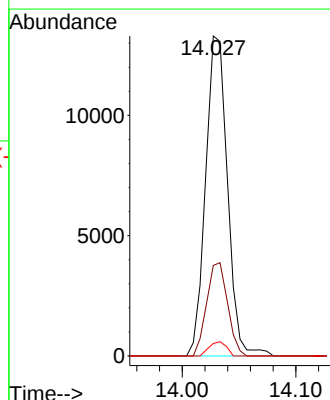
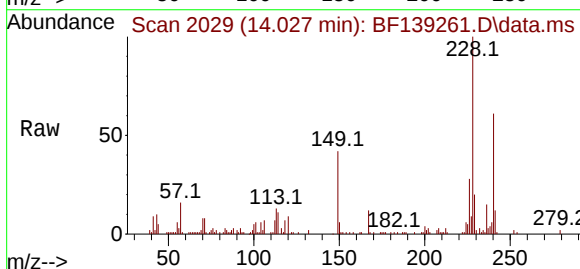
Tgt Ion:149 Resp: 17793

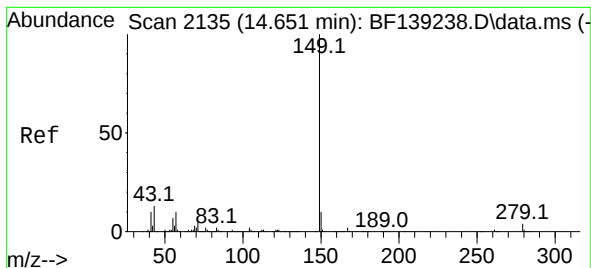
Ion Ratio Lower Upper

149 100

167 28.3 21.8 32.6

279 3.9 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 2.298 ng

RT: 14.645 min Scan# 2135

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

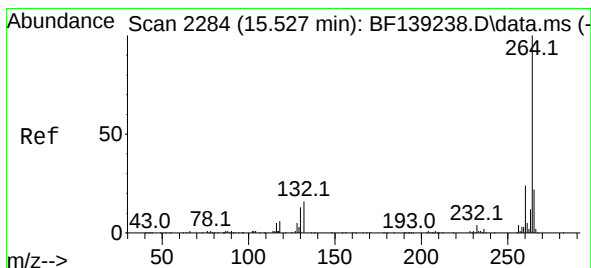
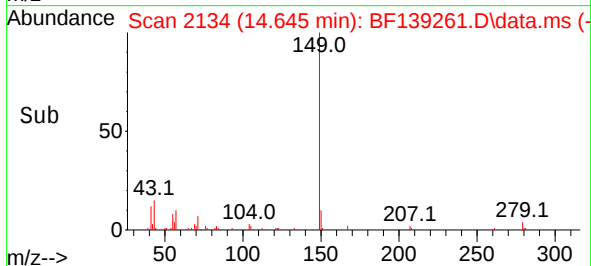
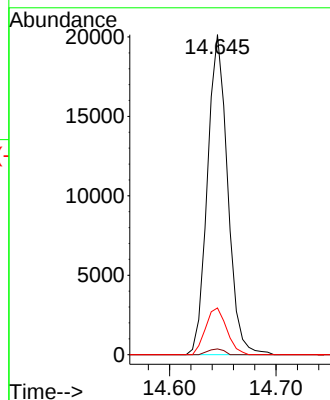
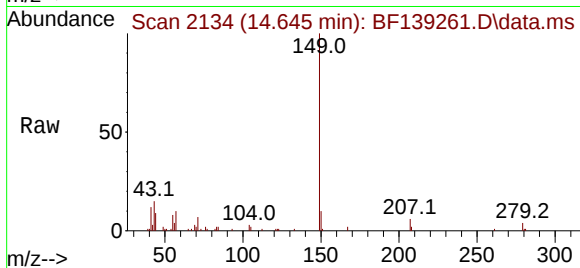
Tgt Ion:149 Resp: 26509

Ion Ratio Lower Upper

149 100

167 1.4 1.3 1.9

43 15.3 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: BF139261.D

Acq: 05 Sep 2024 16:55

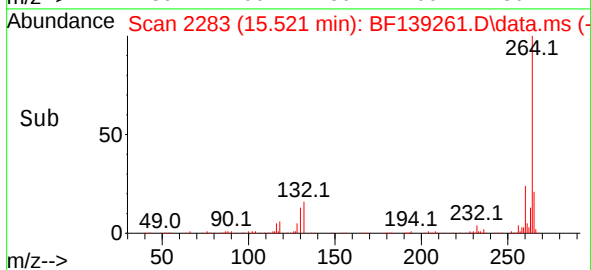
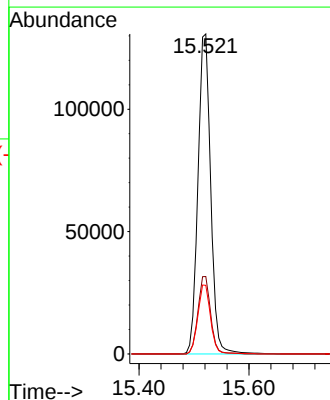
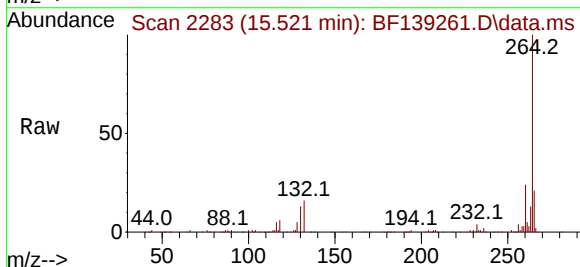
Tgt Ion:264 Resp: 210287

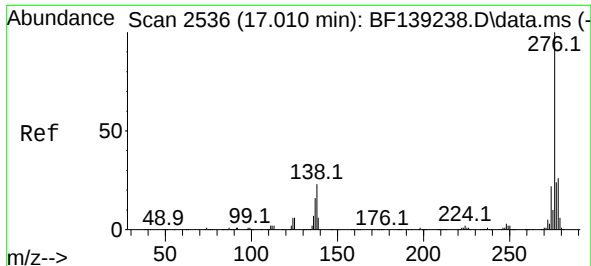
Ion Ratio Lower Upper

264 100

260 24.2 18.8 28.2

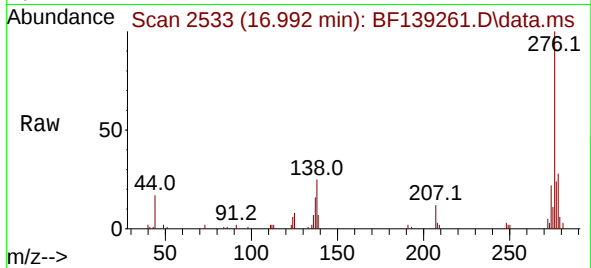
265 21.5 17.3 25.9



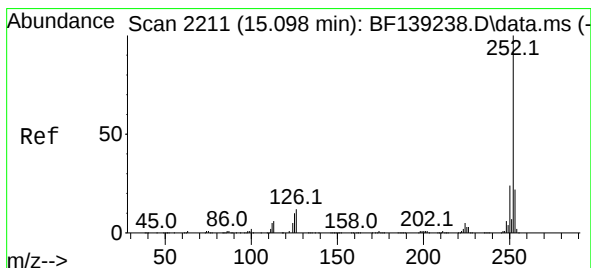
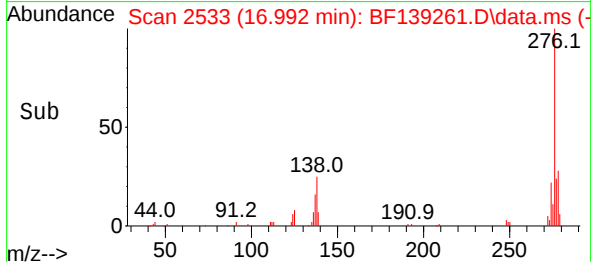
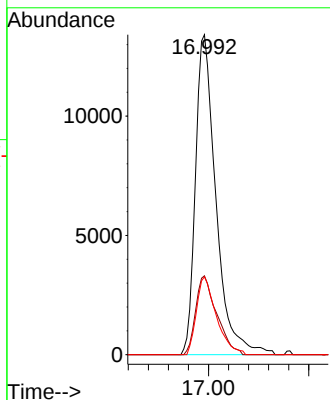


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.896 ng
 RT: 16.992 min Scan# 2109
 Delta R.T. -0.018 min
 Lab File: BF139261.D
 Acq: 05 Sep 2024 16:55

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

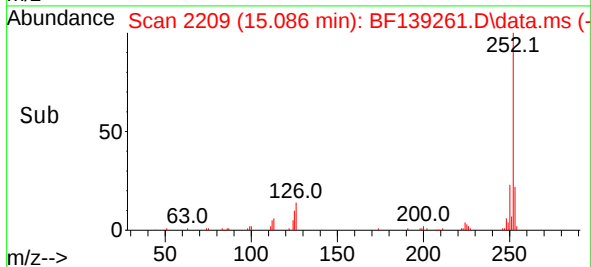
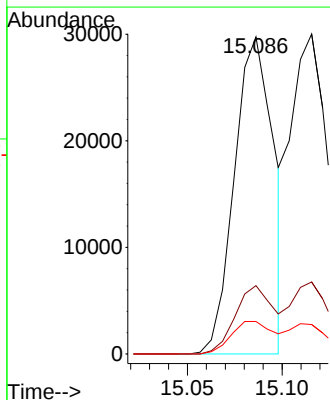
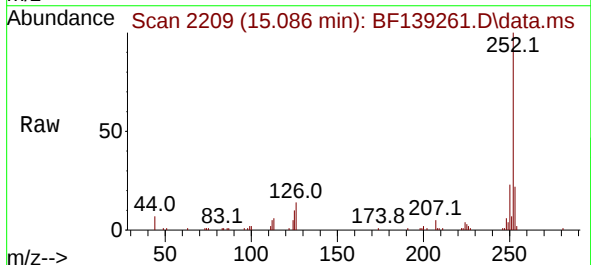


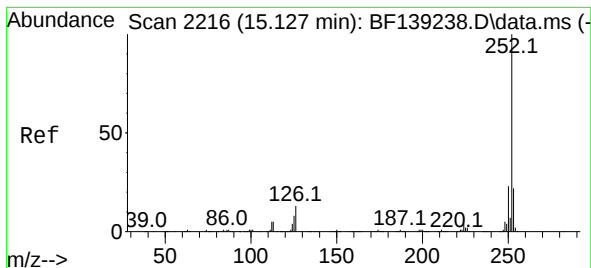
Tgt Ion:276 Resp: 38039
 Ion Ratio Lower Upper
 276 100
 138 25.2 20.4 30.6
 277 23.6 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 3.530 ng
 RT: 15.086 min Scan# 2209
 Delta R.T. -0.012 min
 Lab File: BF139261.D
 Acq: 05 Sep 2024 16:55

Tgt Ion:252 Resp: 42750
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.6 26.4
 125 10.3 7.6 11.4





#89

Benzo(k)fluoranthene

Concen: 4.097 ng

RT: 15.116 min Scan# 2216

Delta R.T. -0.012 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

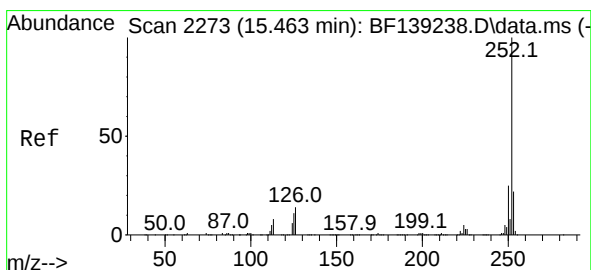
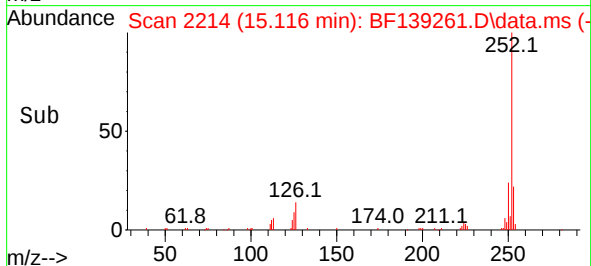
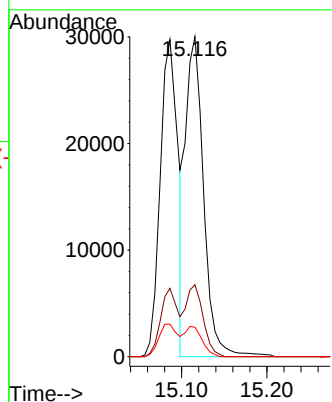
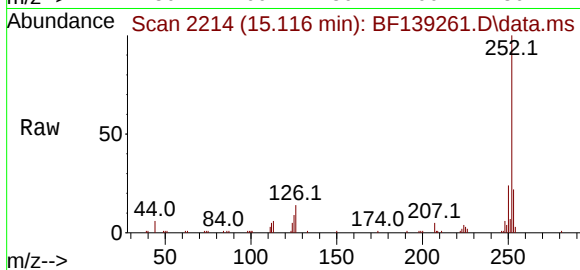
Tgt Ion:252 Resp: 44491

Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

125 9.2 7.2 10.8



#90

Benzo(a)pyrene

Concen: 3.746 ng

RT: 15.457 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

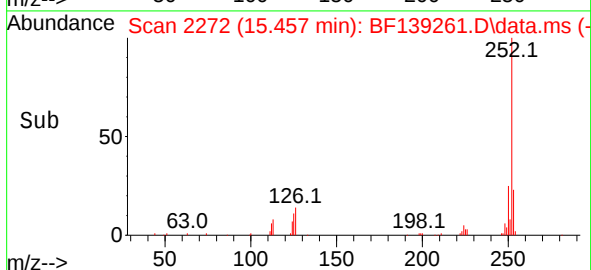
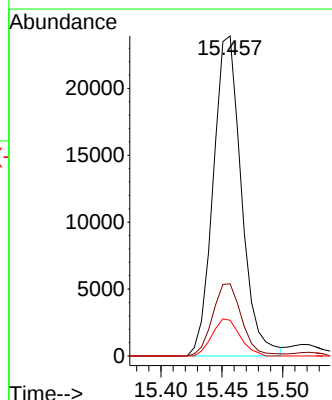
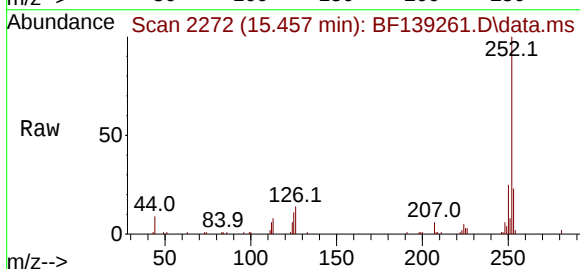
Tgt Ion:252 Resp: 38523

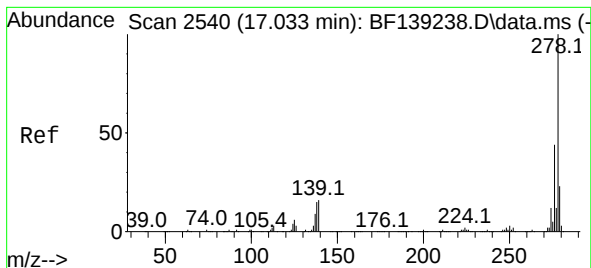
Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 11.1 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 2.650 ng

RT: 17.015 min Scan# 24

Delta R.T. -0.018 min

Lab File: BF139261.D

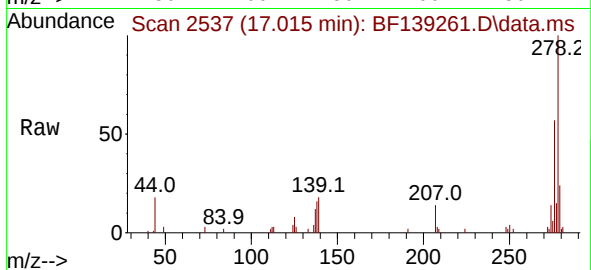
Acq: 05 Sep 2024 16:55

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



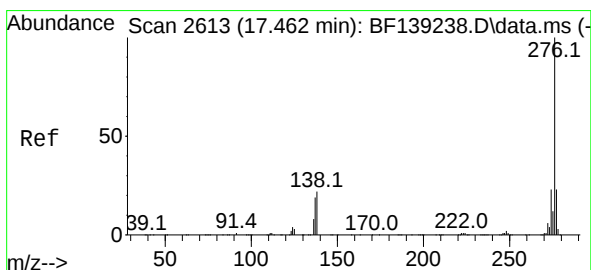
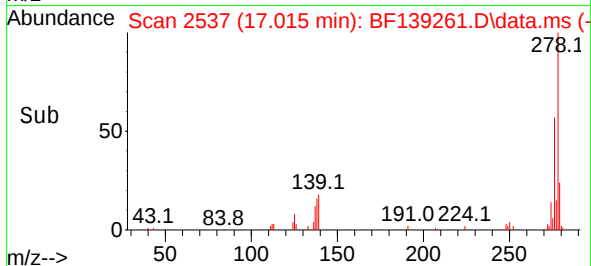
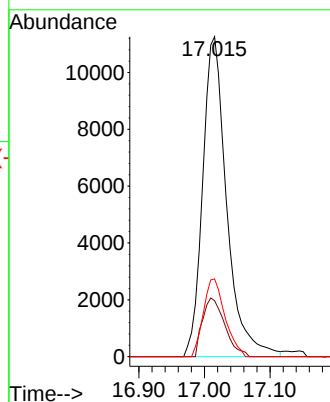
Tgt Ion:278 Resp: 28691

Ion Ratio Lower Upper

278 100

139 17.5 12.6 19.0

279 24.3 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 2.756 ng

RT: 17.433 min Scan# 2608

Delta R.T. -0.029 min

Lab File: BF139261.D

Acq: 05 Sep 2024 16:55

Tgt Ion:276 Resp: 30798

Ion Ratio Lower Upper

276 100

277 22.5 18.6 27.8

138 20.7 17.4 26.0

