

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
 Data File : BM048236.D
 Acq On : 25 Oct 2024 14:56
 Operator : RC/JU
 Sample : P4368-03
 Misc : MDL-MDL-SOIL-8 ng
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT4-2024

Quant Time: Oct 25 15:38:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 18:21:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	248197	20.000	ng	0.00
21) Naphthalene-d8	10.504	136	994379	20.000	ng	-0.01
39) Acenaphthene-d10	14.363	164	618564	20.000	ng	0.00
64) Phenanthrene-d10	17.104	188	1213573	20.000	ng	0.00
76) Chrysene-d12	21.327	240	1085827	20.000	ng	-0.01
86) Perylene-d12	24.280	264	1182885	20.000	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.304	112	1838945	124.545	ng	0.00
7) Phenol-d6	6.899	99	2420598	125.881	ng	0.00
23) Nitrobenzene-d5	8.875	82	1620350	92.007	ng	0.00
42) 2,4,6-Tribromophenol	15.851	330	942411	124.472	ng	0.00
45) 2-Fluorobiphenyl	12.980	172	3572390	88.622	ng	0.00
79) Terphenyl-d14	19.727	244	4280539	80.450	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.199	88	50352	8.331	ng	99
3) Pyridine	3.610	79	118981	7.411	ng	98
4) n-Nitrosodimethylamine	3.516	42	57442	8.426	ng	# 95
6) Aniline	7.051	93	169748	10.635	ng	99
8) 2-Chlorophenol	7.287	128	137196	8.553	ng	99
9) Benzaldehyde	6.863	77	118699	12.564	ng	99
10) Phenol	6.922	94	161295	8.337	ng	92
11) bis(2-Chloroethyl)ether	7.146	93	129969	8.434	ng	98
12) 1,3-Dichlorobenzene	7.604	146	153980	8.326	ng	99
13) 1,4-Dichlorobenzene	7.751	146	158897	8.457	ng	98
14) 1,2-Dichlorobenzene	8.069	146	151125	8.323	ng	99
15) Benzyl Alcohol	7.963	79	100406	8.185	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.240	45	204177	9.059	ng	98
17) 2-Methylphenol	8.169	107	97906	7.616	ng	99
18) Hexachloroethane	8.793	117	56731	8.238	ng	99
19) n-Nitroso-di-n-propyla...	8.522	70	99701	8.195	ng	98
20) 3+4-Methylphenols	8.498	107	136972	7.691	ng	99
22) Acetophenone	8.540	105	206610	8.514	ng	# 99
24) Nitrobenzene	8.916	77	151859	8.322	ng	100
25) Isophorone	9.445	82	260730	8.077	ng	100
26) 2-Nitrophenol	9.628	139	62797	7.453	ng	96
27) 2,4-Dimethylphenol	9.692	122	56971	5.574	ng	94
28) bis(2-Chloroethoxy)met...	9.922	93	166095	8.131	ng	98
29) 2,4-Dichlorophenol	10.169	162	115902	7.882	ng	97
30) 1,2,4-Trichlorobenzene	10.369	180	136997	8.135	ng	97
31) Naphthalene	10.557	128	422770	8.152	ng	100
32) Benzoic acid	9.792	122	55830	4.907	ng	95
33) 4-Chloroaniline	10.675	127	148910	8.853	ng	99
34) Hexachlorobutadiene	10.845	225	82247	7.880	ng	98
35) Caprolactam	11.457	113	31217	6.535	ng	98
36) 4-Chloro-3-methylphenol	11.810	107	112712	7.343	ng	98
37) 2-Methylnaphthalene	12.175	142	279808	8.075	ng	99
38) 1-Methylnaphthalene	12.392	142	257580	7.496	ng	100
40) 1,2,4,5-Tetrachloroben...	12.545	216	149297	8.444	ng	100
41) Hexachlorocyclopentadiene	12.522	237	30531	5.103	ng	97
43) 2,4,6-Trichlorophenol	12.792	196	89172	7.600	ng	99

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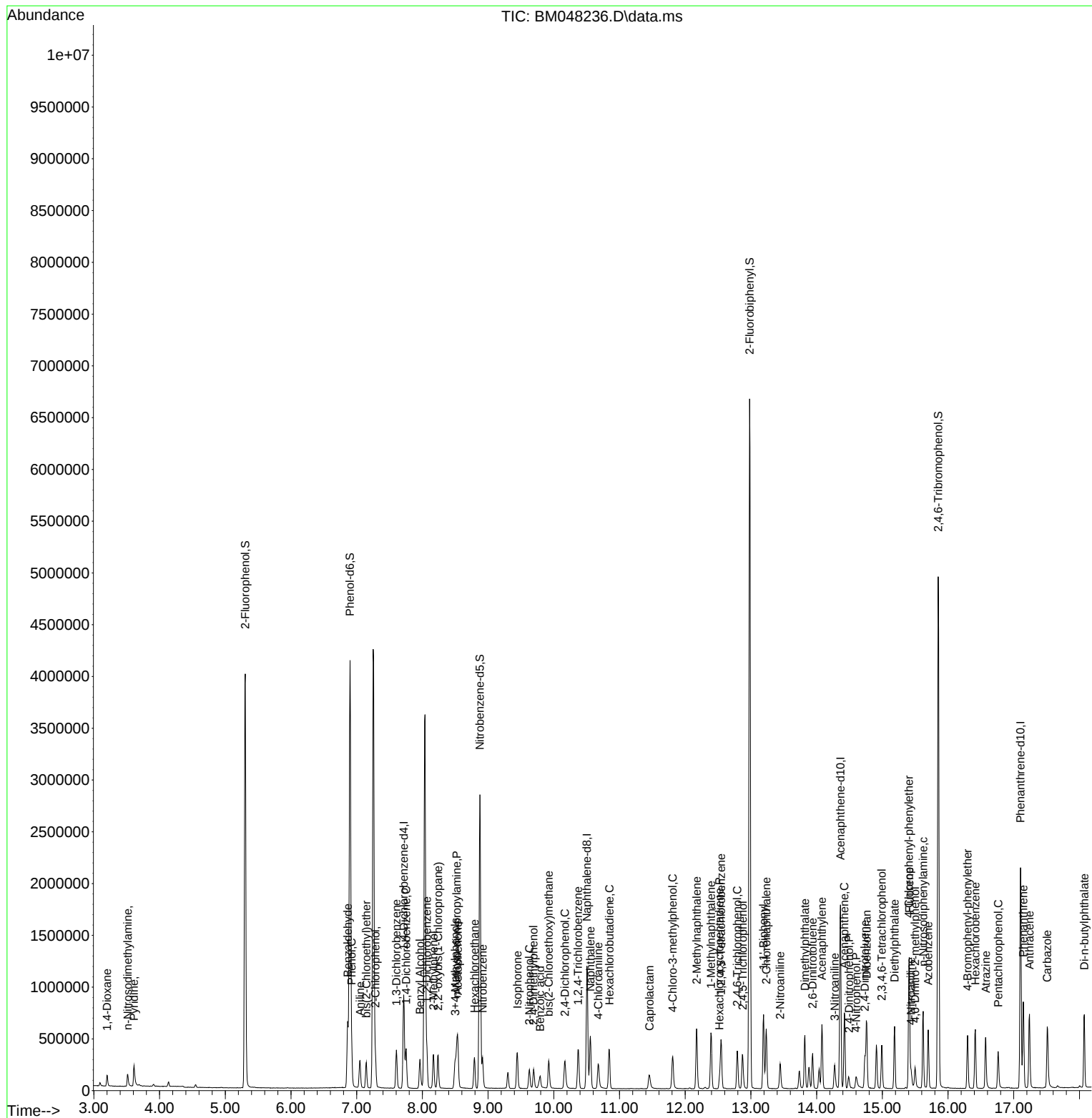
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.875	196	97160	7.426	ng	98
46) 1,1'-Biphenyl	13.192	154	380530	8.616	ng	99
47) 2-Chloronaphthalene	13.233	162	284926	8.182	ng	98
48) 2-Nitroaniline	13.445	65	69589	7.368	ng	98
49) Acenaphthylene	14.080	152	436439	8.591	ng	98
50) Dimethylphthalate	13.822	163	335092	7.935	ng	98
51) 2,6-Dinitrotoluene	13.939	165	67072	7.119	ng	93
52) Acenaphthene	14.422	154	258993	8.023	ng	99
53) 3-Nitroaniline	14.275	138	63511	7.148	ng	98
54) 2,4-Dinitrophenol	14.492	184	27650	5.022	ng	93
55) Dibenzofuran	14.763	168	426740	8.321	ng	99
56) 4-Nitrophenol	14.604	139	46106	5.814	ng	97
57) 2,4-Dinitrotoluene	14.733	165	85488	6.871	ng	93
58) Fluorene	15.410	166	333065	8.213	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.992	232	85187	7.855	ng	99
60) Diethylphthalate	15.186	149	325219	7.607	ng	98
61) 4-Chlorophenyl-phenyle...	15.404	204	165867	8.180	ng	98
62) 4-Nitroaniline	15.439	138	57704	6.275	ng	98
63) Azobenzene	15.698	77	309995	8.090	ng	99
65) 4,6-Dinitro-2-methylph...	15.498	198	43983	6.246	ng	92
66) n-Nitrosodiphenylamine	15.621	169	270934	8.133	ng	99
67) 4-Bromophenyl-phenylether	16.298	248	100327	8.154	ng	97
68) Hexachlorobenzene	16.416	284	119274	8.071	ng	98
69) Atrazine	16.574	200	91176	9.781	ng	98
70) Pentachlorophenol	16.763	266	65750	6.777	ng	97
71) Phenanthrene	17.145	178	509187	8.473	ng	99
72) Anthracene	17.239	178	458948	7.889	ng	100
73) Carbazole	17.510	167	443170	7.771	ng	99
74) Di-n-butylphthalate	18.074	149	525250	7.400	ng	100
75) Fluoranthene	19.162	202	545405	7.609	ng	100
77) Benzidine	19.357	184	132340	10.561	ng	99
78) Pyrene	19.527	202	586500	8.070	ng	99
80) Butylbenzylphthalate	20.421	149	219715	7.229	ng	94
81) Benzo(a)anthracene	21.309	228	566812	8.169	ng	99
82) 3,3'-Dichlorobenzidine	21.239	252	188618	7.936	ng	100
83) Chrysene	21.374	228	549478	8.250	ng	99
84) Bis(2-ethylhexyl)phtha...	21.233	149	329863	7.468	ng	100
85) Di-n-octyl phthalate	22.345	149	512221	6.695	ng	98
87) Indeno(1,2,3-cd)pyrene	27.597	276	651633	8.331	ng	99
88) Benzo(b)fluoranthene	23.345	252	542202	7.994	ng	100
89) Benzo(k)fluoranthene	23.409	252	565806	8.629	ng	98
90) Benzo(a)pyrene	24.139	252	493703	8.373	ng	99
91) Dibenzo(a,h)anthracene	27.644	278	540054	8.291	ng	97
92) Benzo(g,h,i)perylene	28.632	276	514981	7.721	ng	97

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

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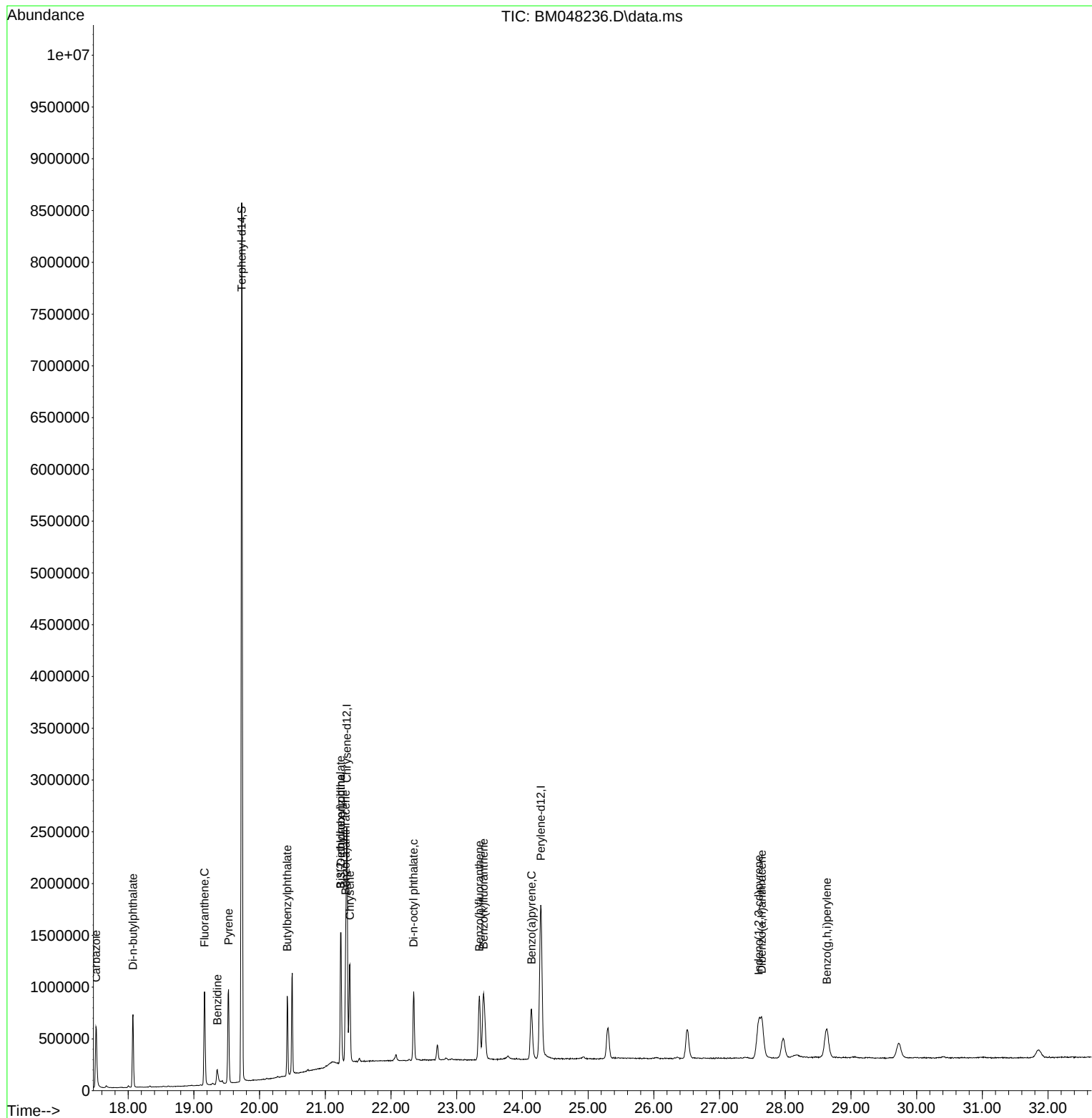
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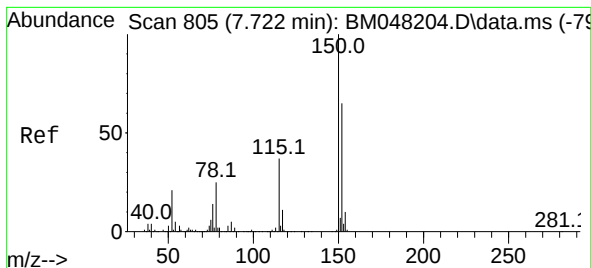


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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.716 min Scan# 80

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

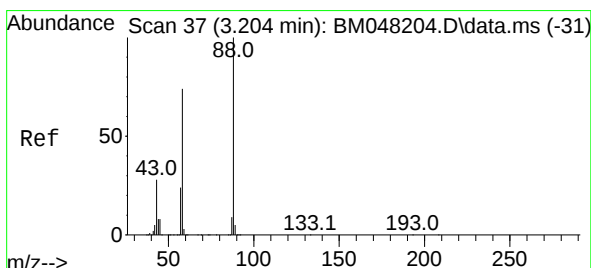
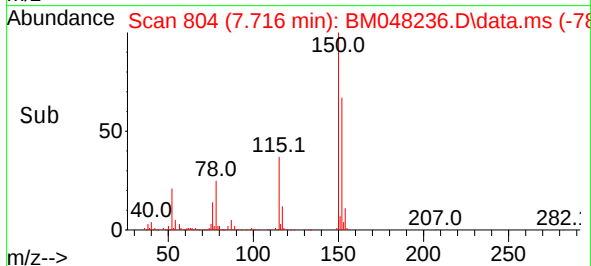
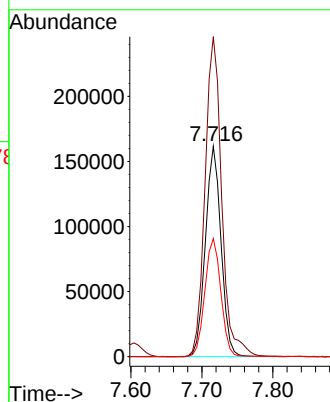
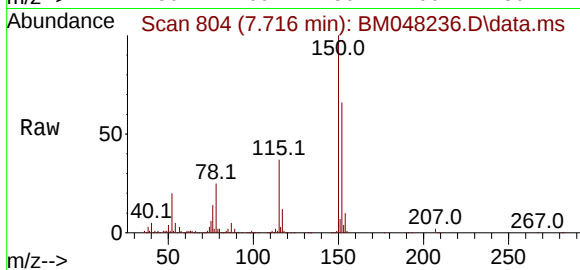
Tgt Ion:152 Resp: 248197

Ion Ratio Lower Upper

152 100

150 152.0 123.0 184.6

115 56.1 45.8 68.6



#2

1,4-Dioxane

Concen: 8.331 ng

RT: 3.199 min Scan# 36

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

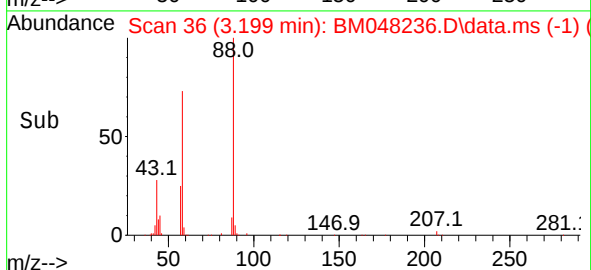
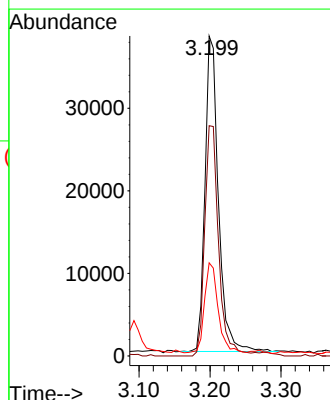
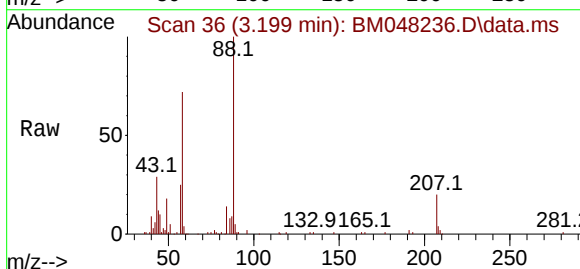
Tgt Ion: 88 Resp: 50352

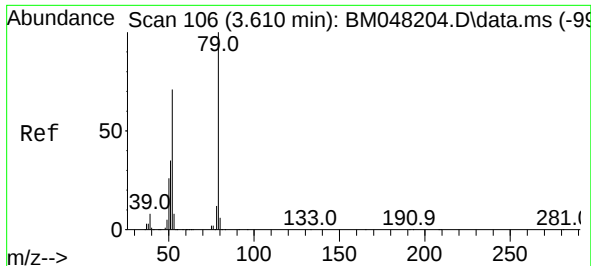
Ion Ratio Lower Upper

88 100

58 75.2 59.7 89.5

43 29.4 22.6 33.8

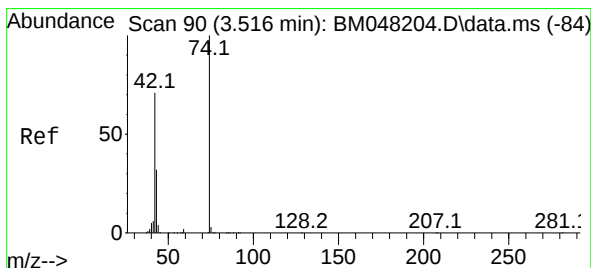
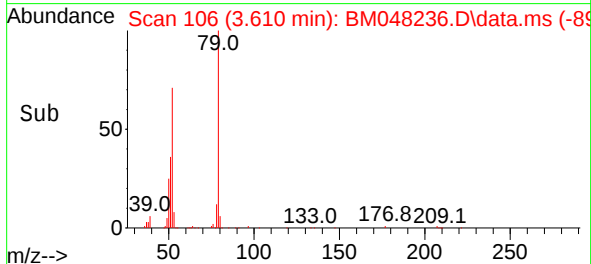
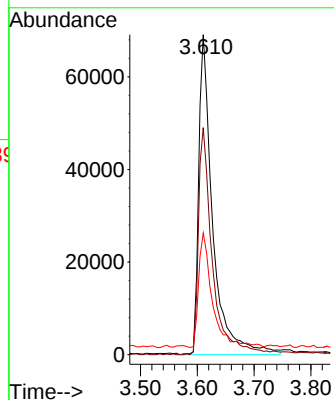
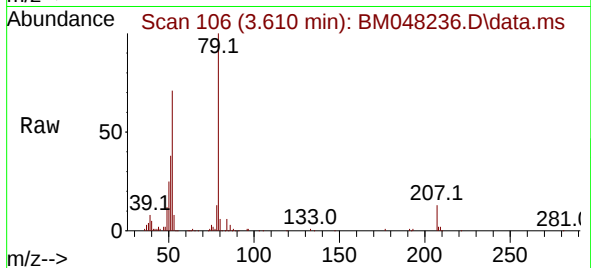




#3
Pyridine
Concen: 7.411 ng
RT: 3.610 min Scan# 106
Delta R.T. 0.000 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

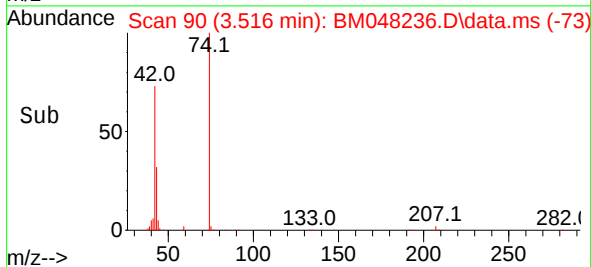
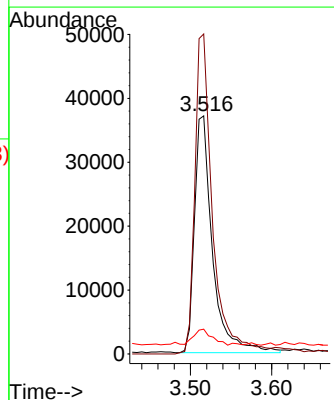
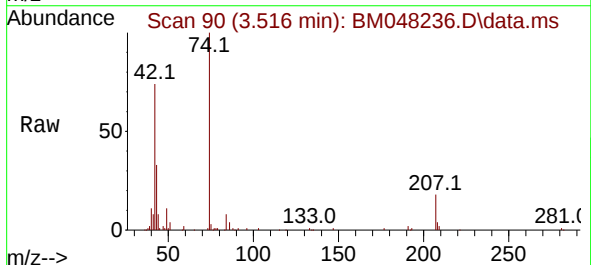
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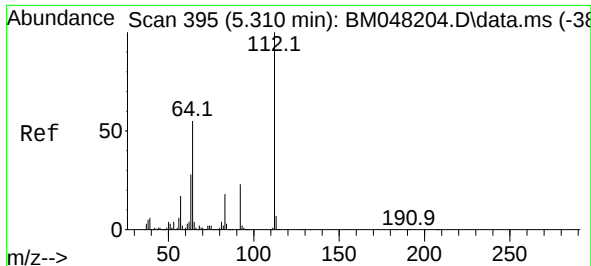
Tgt Ion: 79 Resp: 118981
Ion Ratio Lower Upper
79 100
52 70.9 56.5 84.7
51 38.1 28.5 42.7



#4
n-Nitrosodimethylamine
Concen: 8.426 ng
RT: 3.516 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

Tgt Ion: 42 Resp: 57442
Ion Ratio Lower Upper
42 100
74 134.5 111.8 167.6
44 10.4 6.0 9.0

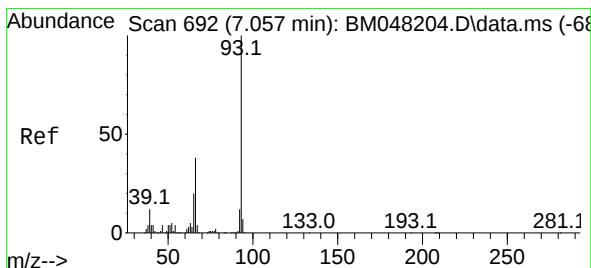
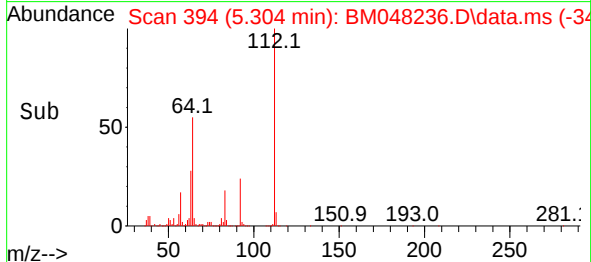
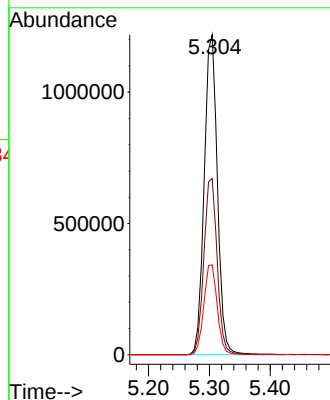
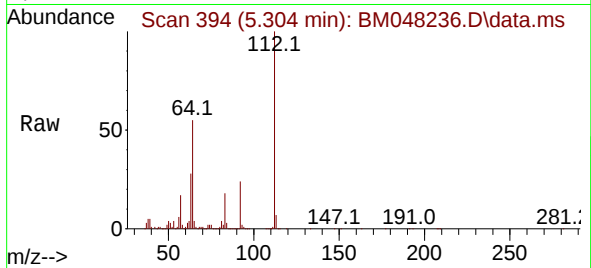




#5
2-Fluorophenol
Concen: 124.545 ng
RT: 5.304 min Scan# 395
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

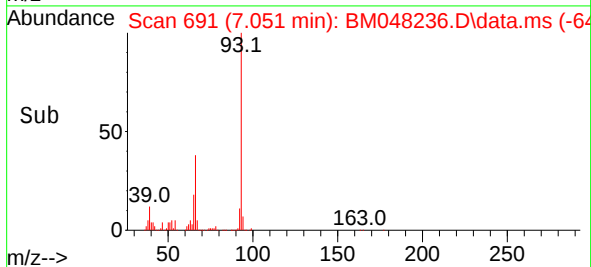
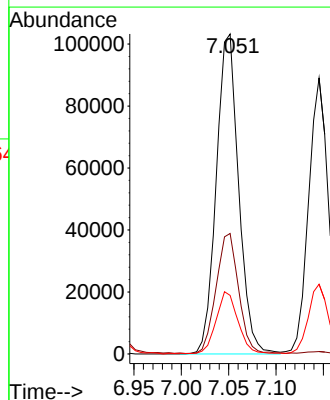
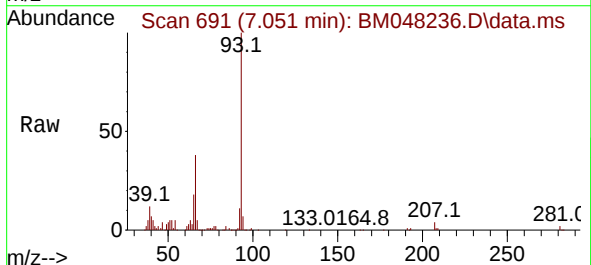
Instrument :
BNA_M
ClientSampleId :
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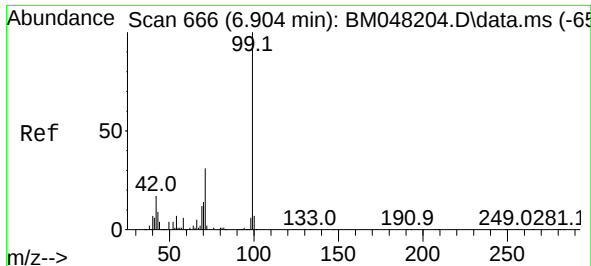
Tgt Ion:112 Resp: 1838945
Ion Ratio Lower Upper
112 100
64 55.0 44.2 66.2
63 28.1 22.7 34.1



#6
Aniline
Concen: 10.635 ng
RT: 7.051 min Scan# 691
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

Tgt Ion: 93 Resp: 169748
Ion Ratio Lower Upper
93 100
66 37.7 30.2 45.2
65 18.3 16.2 24.2

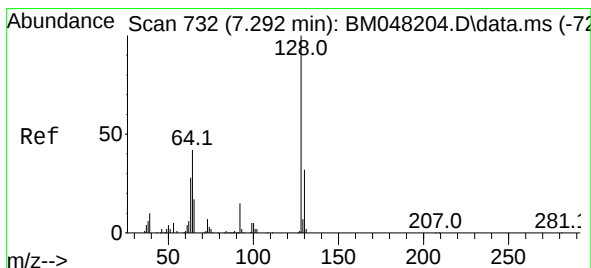
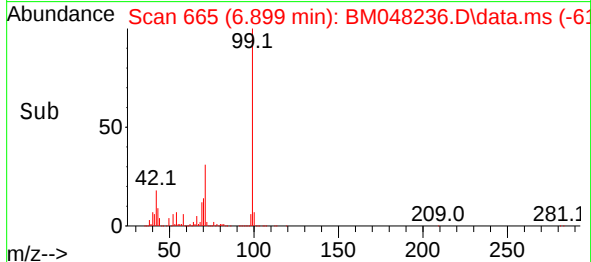
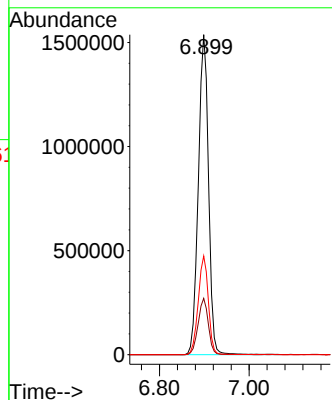
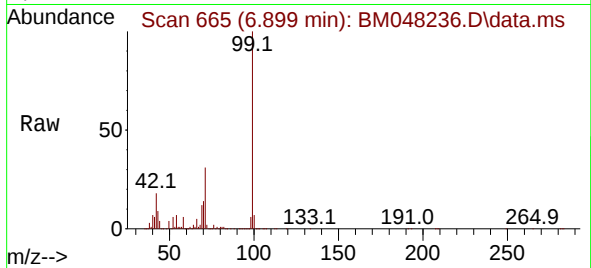




#7
Phenol-d6
Concen: 125.881 ng
RT: 6.899 min Scan# 665
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

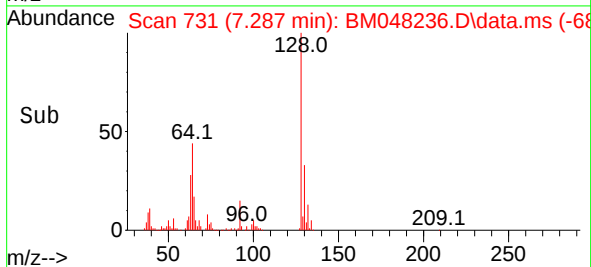
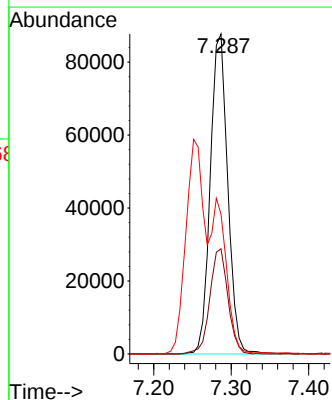
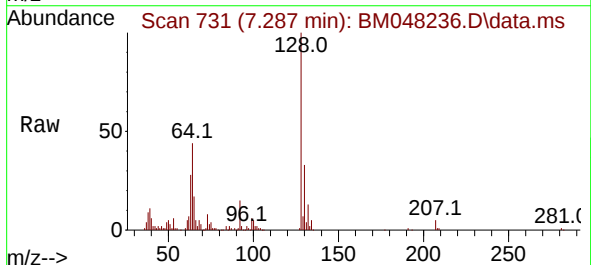
Instrument :
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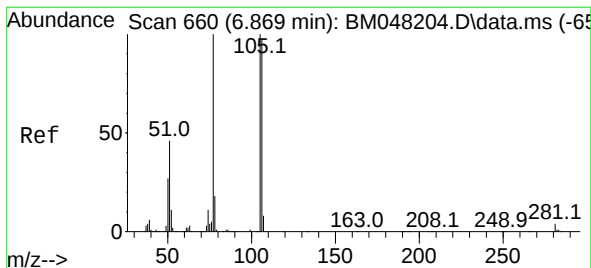
Tgt Ion: 99 Resp: 2420598
Ion Ratio Lower Upper
99 100
42 17.6 13.8 20.8
71 30.9 24.9 37.3



#8
2-Chlorophenol
Concen: 8.553 ng
RT: 7.287 min Scan# 731
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

Tgt Ion:128 Resp: 137196
Ion Ratio Lower Upper
128 100
130 32.8 12.1 52.1
64 43.7 23.8 63.8





#9

Benzaldehyde

Concen: 12.564 ng

RT: 6.863 min Scan# 61

Delta R.T. -0.006 min

Lab File: BM048236.D

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Instrument :

BNA_M

ClientSampleId :

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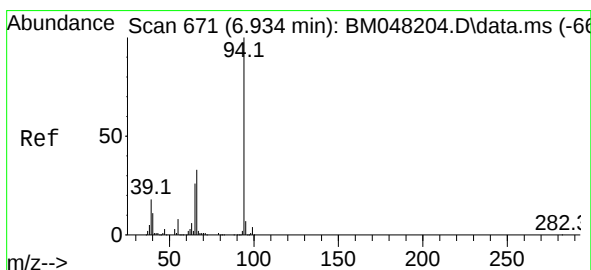
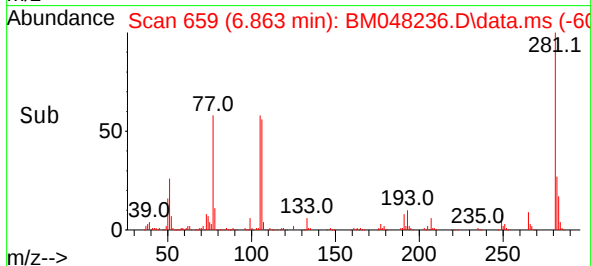
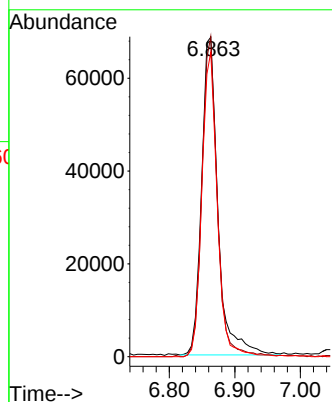
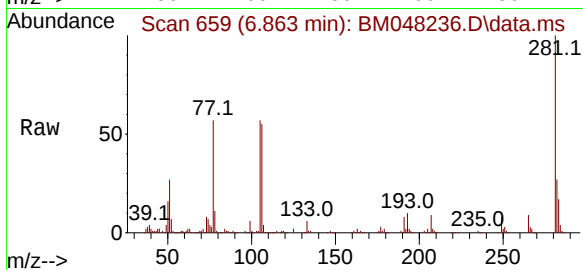
Tgt Ion: 77 Resp: 118699

Ion Ratio Lower Upper

77 100

105 100.2 79.6 119.6

106 95.4 77.0 117.0



#10

Phenol

Concen: 8.337 ng

RT: 6.922 min Scan# 669

Delta R.T. -0.012 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

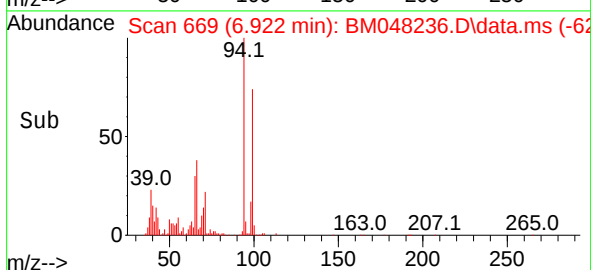
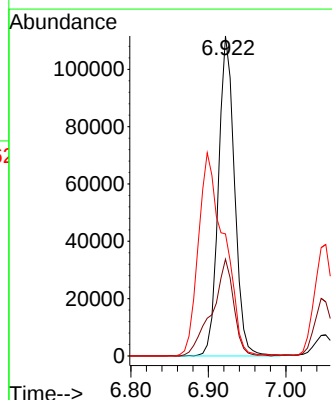
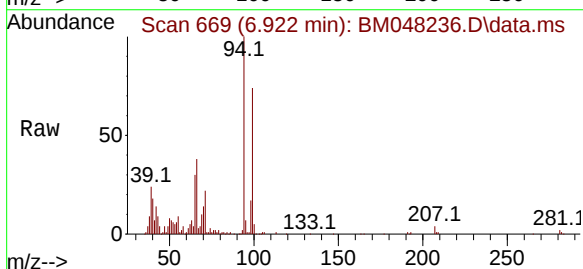
Tgt Ion: 94 Resp: 161295

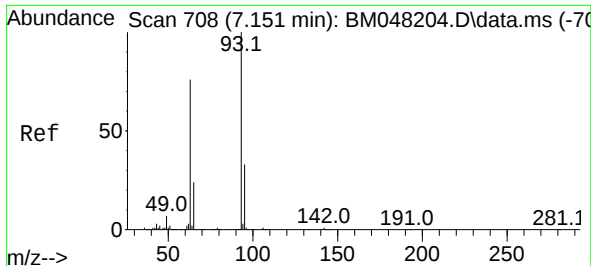
Ion Ratio Lower Upper

94 100

65 30.2 6.5 46.5

66 38.1 13.6 53.6

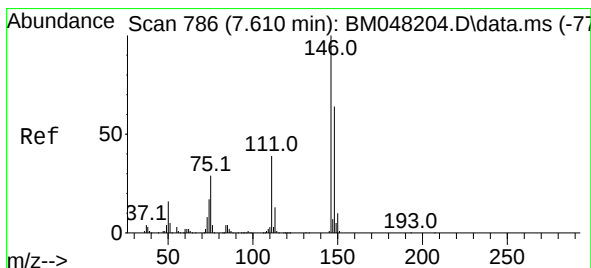
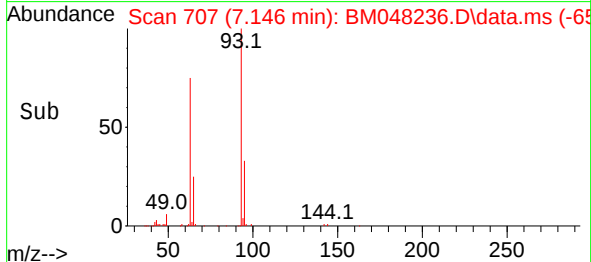
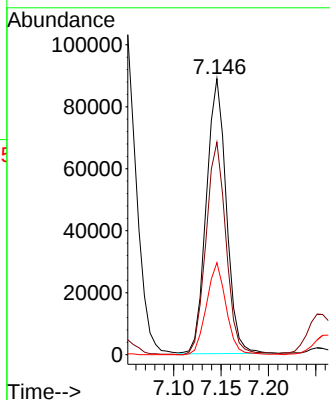
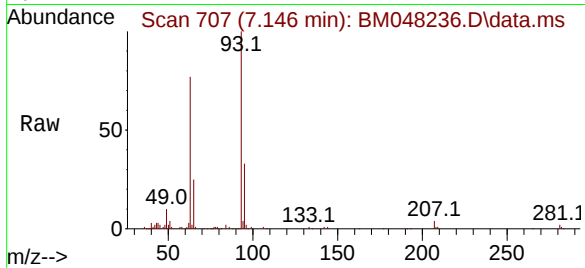




#11
bis(2-Chloroethyl)ether
Concen: 8.434 ng
RT: 7.146 min Scan# 708
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

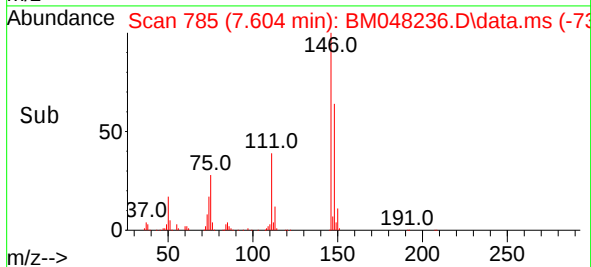
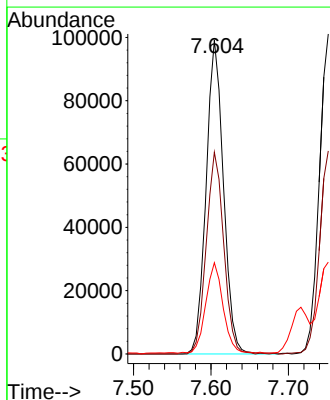
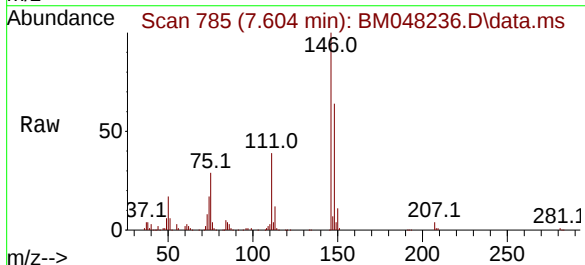
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

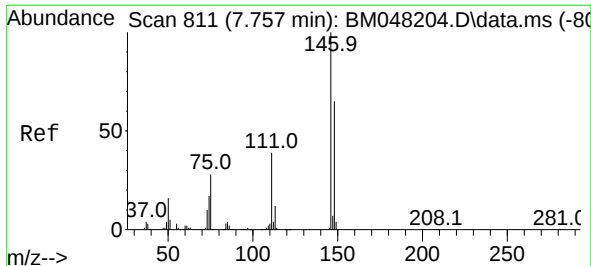
Tgt Ion: 93 Resp: 129969
Ion Ratio Lower Upper
93 100
63 77.0 55.3 95.3
95 33.3 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 8.326 ng
RT: 7.604 min Scan# 785
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

Tgt Ion:146 Resp: 153980
Ion Ratio Lower Upper
146 100
148 64.3 51.0 76.6
75 29.1 22.9 34.3





#13

1,4-Dichlorobenzene

Concen: 8.457 ng

RT: 7.751 min Scan# 811

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

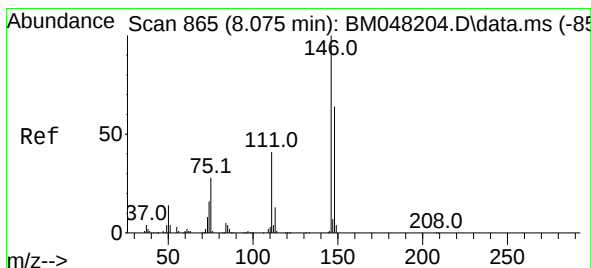
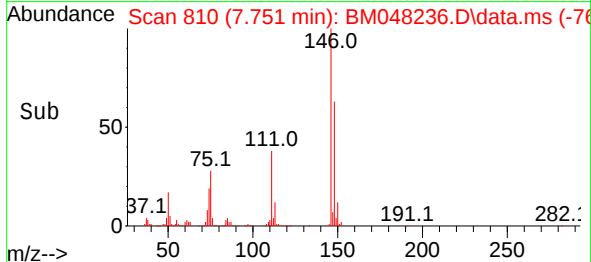
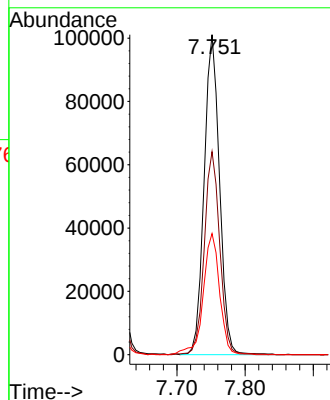
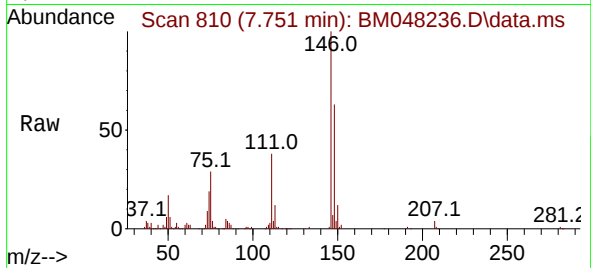
Tgt Ion:146 Resp: 158897

Ion Ratio Lower Upper

146 100

148 63.5 51.7 77.5

111 37.8 31.4 47.2



#14

1,2-Dichlorobenzene

Concen: 8.323 ng

RT: 8.069 min Scan# 864

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

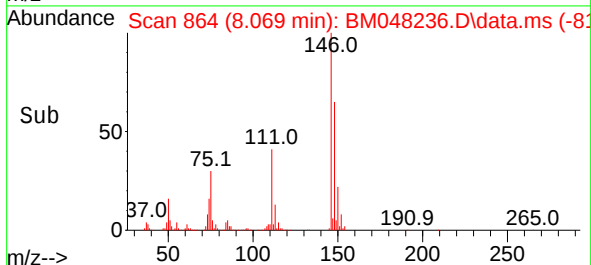
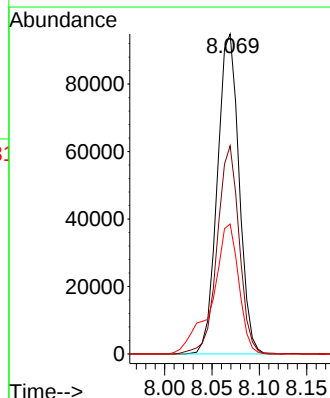
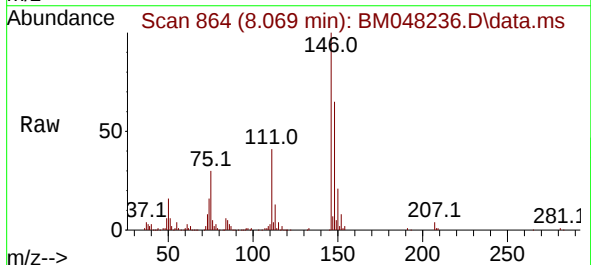
Tgt Ion:146 Resp: 151125

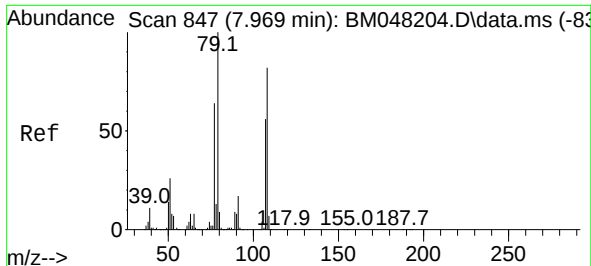
Ion Ratio Lower Upper

146 100

148 65.0 51.3 76.9

111 40.6 32.7 49.1

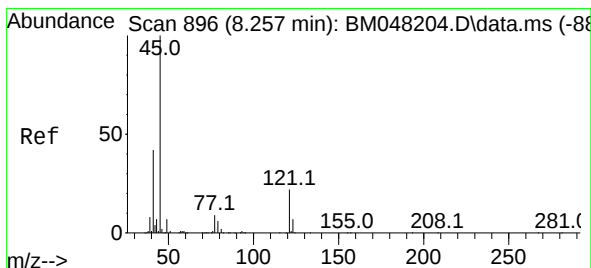
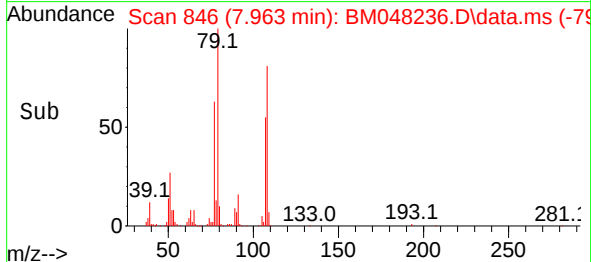
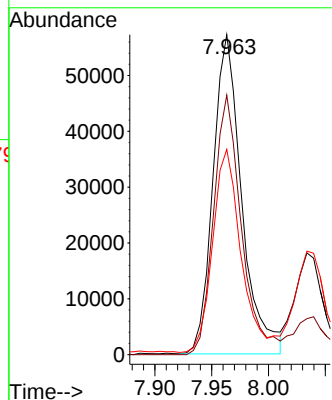
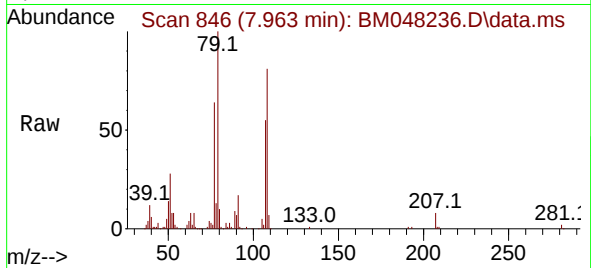




#15
Benzyl Alcohol
Concen: 8.185 ng
RT: 7.963 min Scan# 846
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

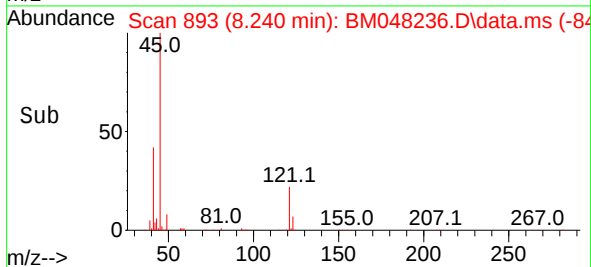
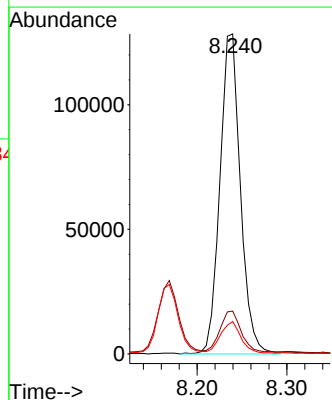
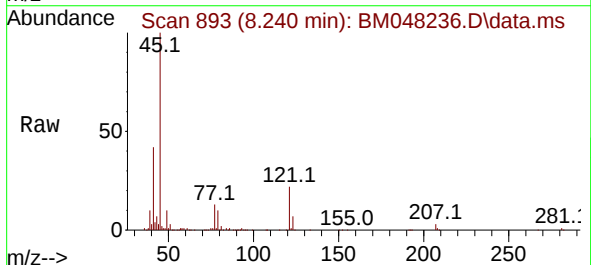
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

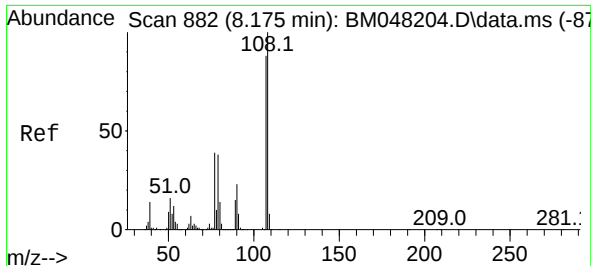
Tgt Ion: 79 Resp: 100406
Ion Ratio Lower Upper
79 100
108 81.1 65.2 97.8
77 64.2 51.4 77.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.059 ng
RT: 8.240 min Scan# 893
Delta R.T. -0.017 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

Tgt Ion: 45 Resp: 204177
Ion Ratio Lower Upper
45 100
77 13.4 0.0 34.2
79 10.2 0.0 30.7

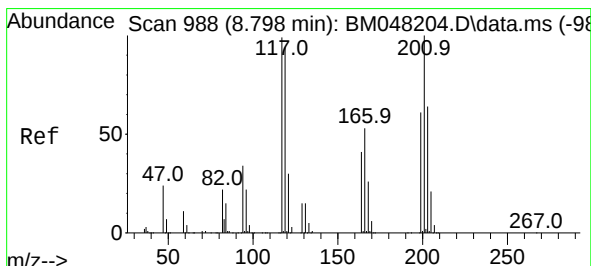
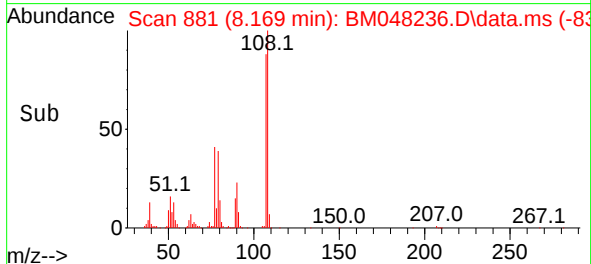
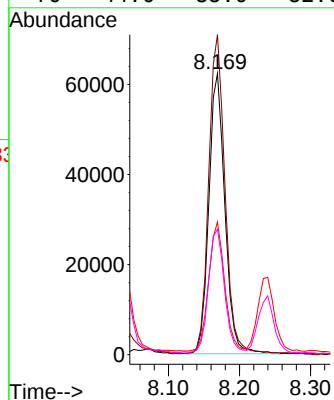
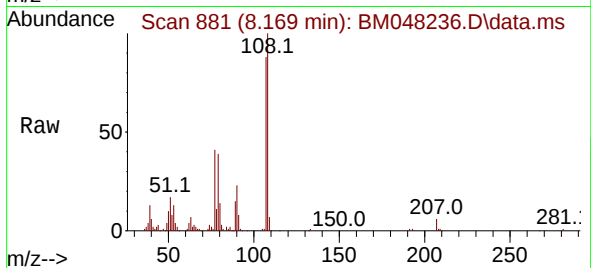




#17
2-Methylphenol
Concen: 7.616 ng
RT: 8.169 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

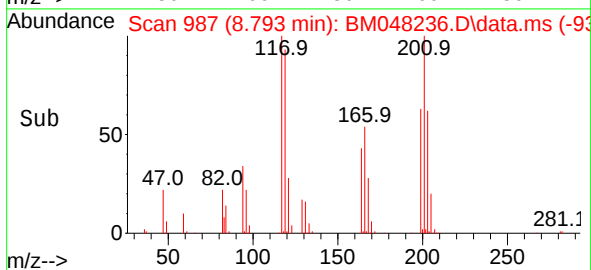
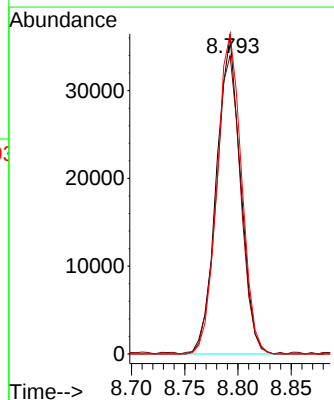
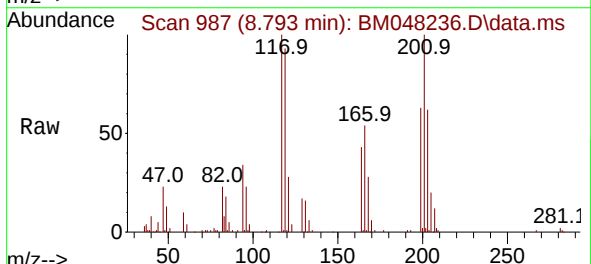
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

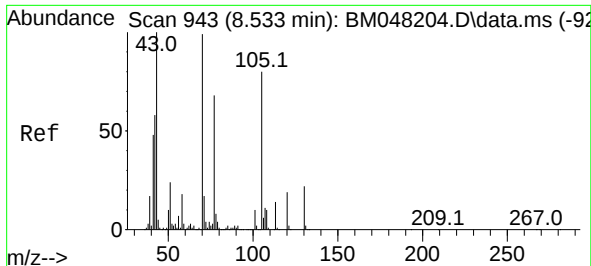
Tgt Ion:	107	Resp:	97906
Ion	Ratio	Lower	Upper
107	100		
108	113.8	91.3	136.9
77	47.2	36.2	54.2
79	44.6	35.0	52.6



#18
Hexachloroethane
Concen: 8.238 ng
RT: 8.793 min Scan# 987
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

Tgt Ion:	117	Resp:	56731
Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.5	114.7
201	100.5	80.9	121.3

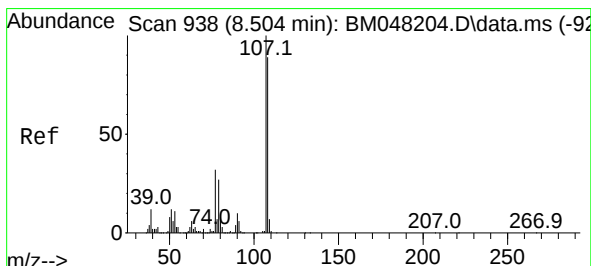
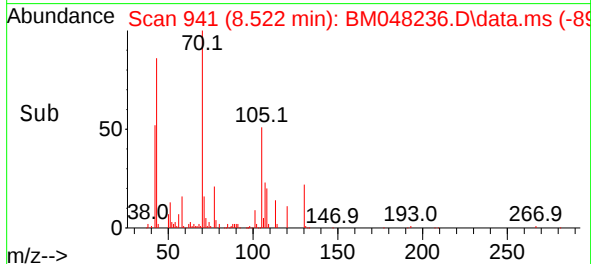
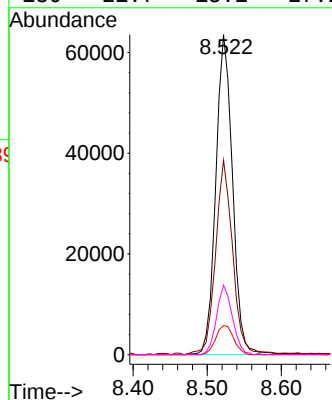
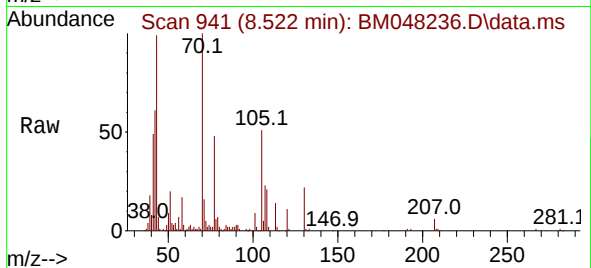




#19
n-Nitroso-di-n-propylamine
Concen: 8.195 ng
RT: 8.522 min Scan# 941
Delta R.T. -0.012 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

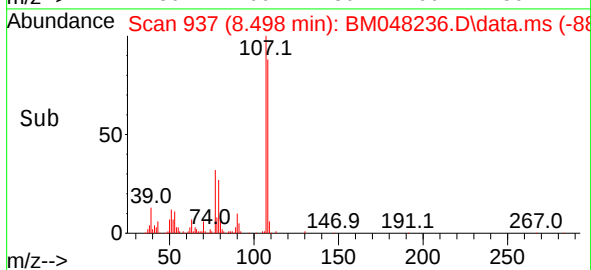
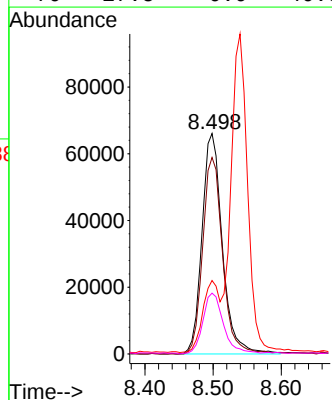
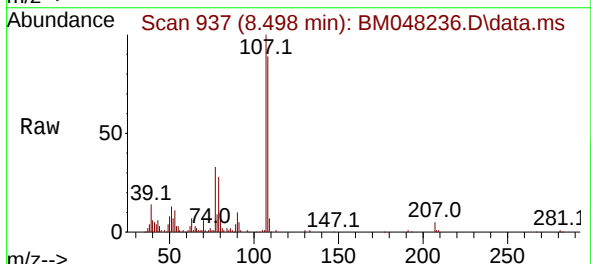
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

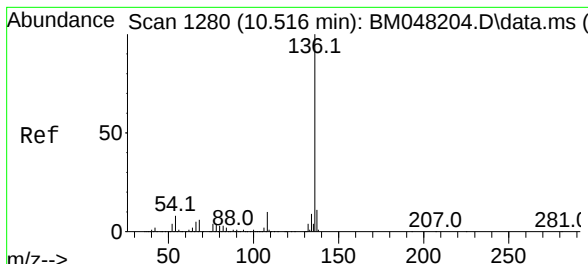
Tgt Ion: 70 Resp: 99701
Ion Ratio Lower Upper
70 100
42 60.7 47.0 70.6
101 9.1 7.8 11.6
130 21.7 18.1 27.1



#20
3+4-Methylphenols
Concen: 7.691 ng
RT: 8.498 min Scan# 937
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

Tgt Ion: 107 Resp: 136972
Ion Ratio Lower Upper
107 100
108 89.1 69.0 109.0
77 33.3 12.3 52.3
79 27.5 6.9 46.9

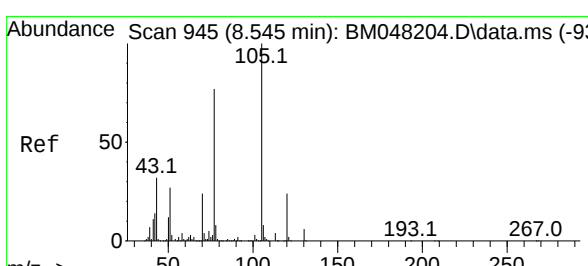
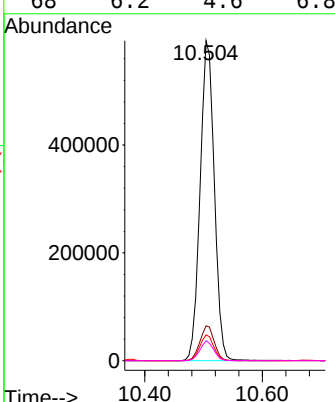
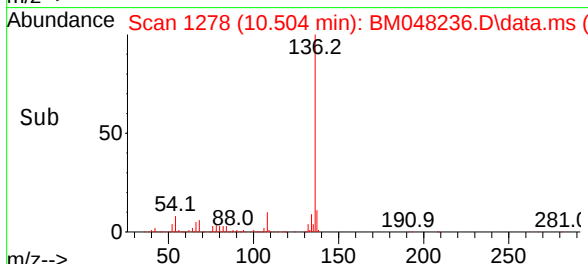
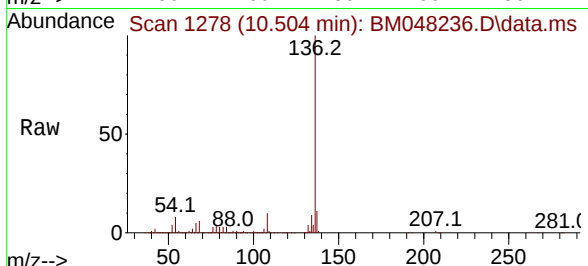




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1278
Delta R.T. -0.012 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

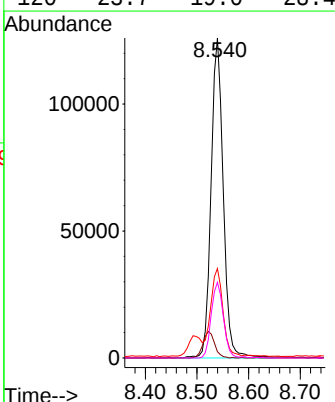
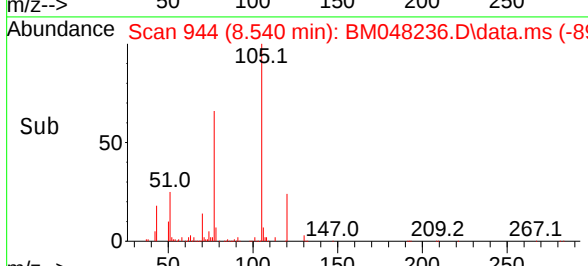
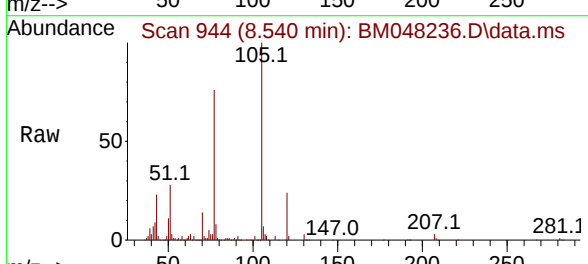
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT4-2024

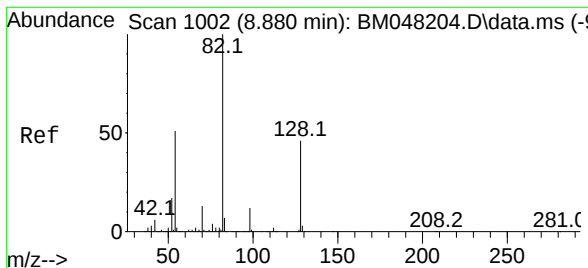
Tgt Ion:	136	Resp:	994379
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.1	6.5	9.7
68	6.2	4.6	6.8



#22
Acetophenone
Concen: 8.514 ng
RT: 8.540 min Scan# 944
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

Tgt Ion:	105	Resp:	206610
Ion Ratio	Lower	Upper	
105	100		
71	2.0	3.4	5.0#
51	28.0	21.7	32.5
120	23.7	19.0	28.4





#23

Nitrobenzene-d5

Concen: 92.007 ng

RT: 8.875 min Scan# 1001

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

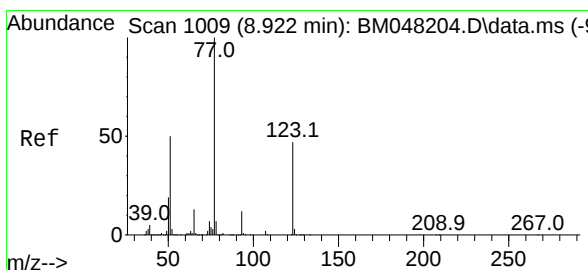
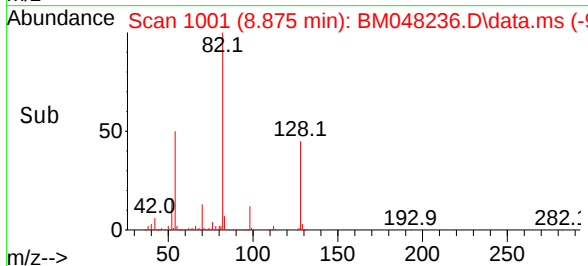
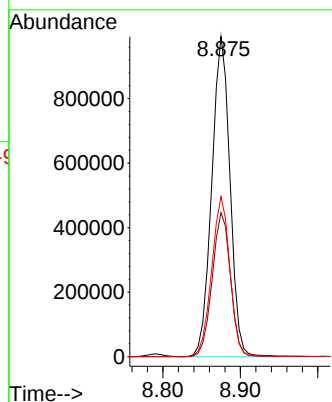
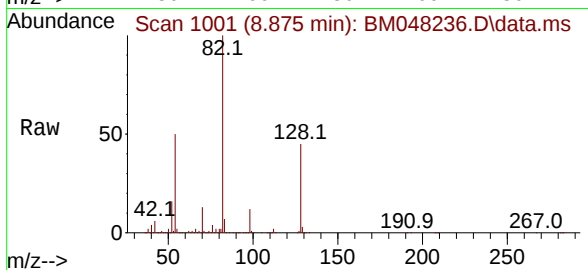
Tgt Ion: 82 Resp: 1620350

Ion Ratio Lower Upper

82 100

128 45.0 36.6 54.8

54 50.0 41.0 61.4



#24

Nitrobenzene

Concen: 8.322 ng

RT: 8.916 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

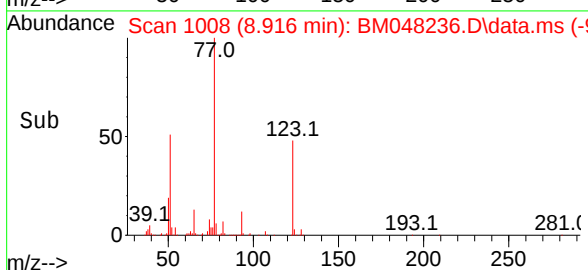
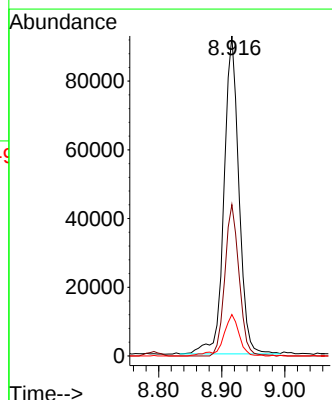
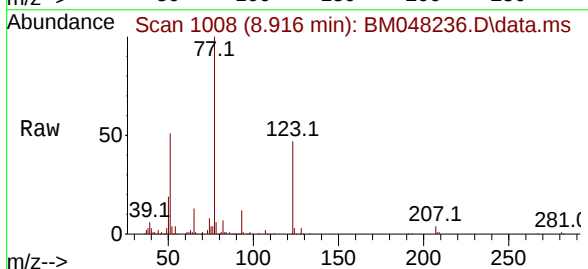
Tgt Ion: 77 Resp: 151859

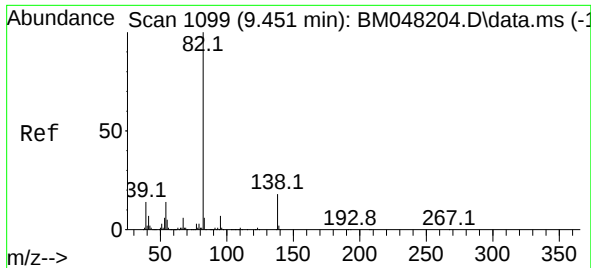
Ion Ratio Lower Upper

77 100

123 47.3 37.8 56.6

65 12.9 10.4 15.6





#25

Isophorone

Concen: 8.077 ng

RT: 9.445 min Scan# 1109

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

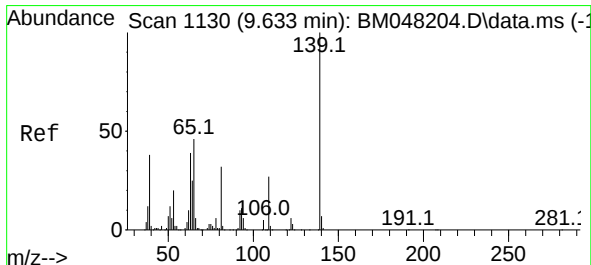
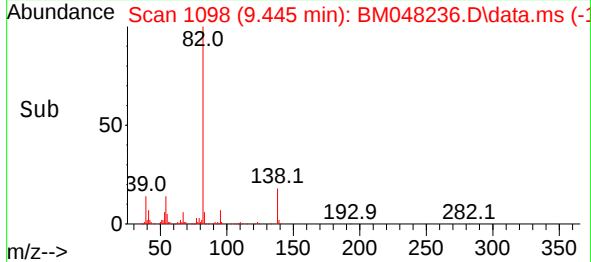
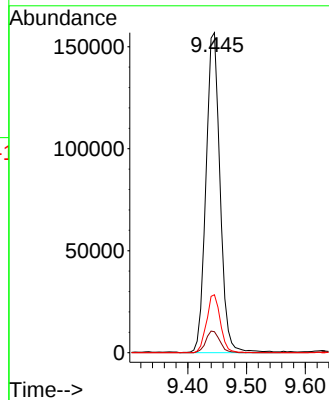
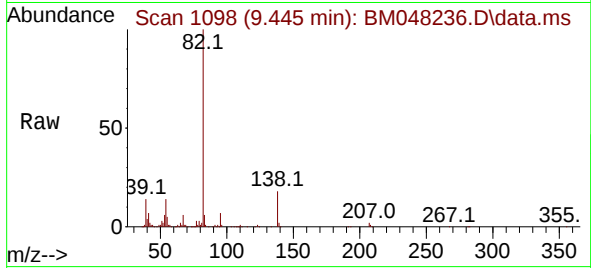
Tgt Ion: 82 Resp: 260730

Ion Ratio Lower Upper

82 100

95 6.6 5.3 7.9

138 18.1 14.3 21.5



#26

2-Nitrophenol

Concen: 7.453 ng

RT: 9.628 min Scan# 1129

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

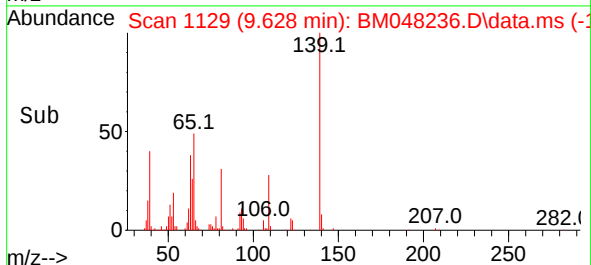
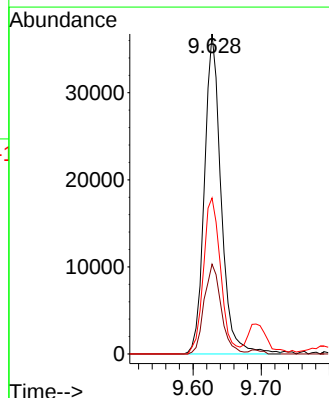
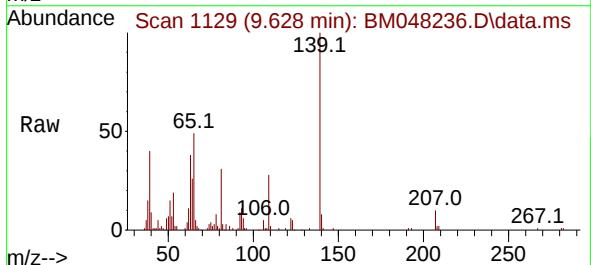
Tgt Ion: 139 Resp: 62797

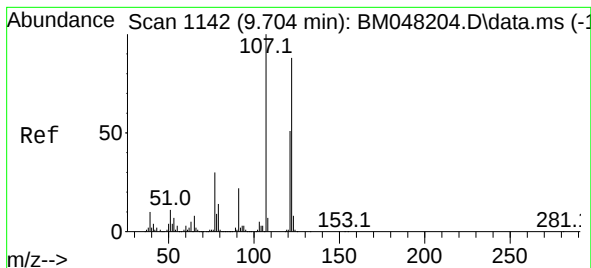
Ion Ratio Lower Upper

139 100

109 28.0 21.2 31.8

65 48.7 36.8 55.2





#27

2,4-Dimethylphenol

Concen: 5.574 ng

RT: 9.692 min Scan# 1140

Delta R.T. -0.012 min

Lab File: BM048236.D

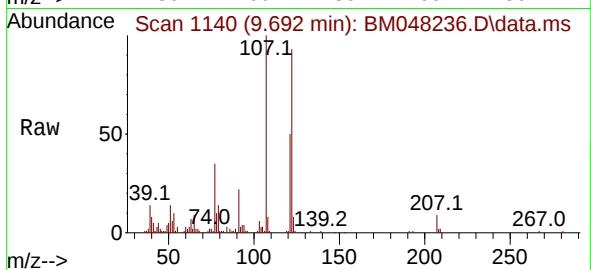
Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024



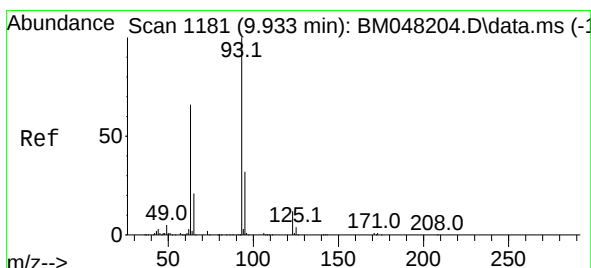
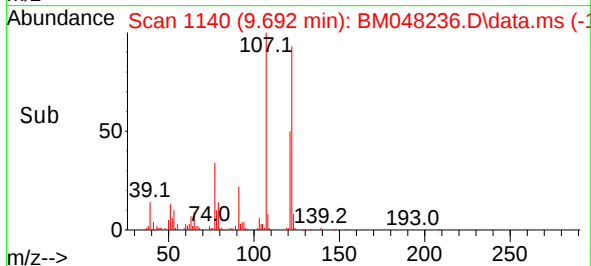
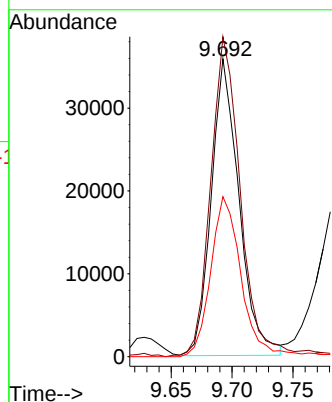
Tgt Ion:122 Resp: 56971

Ion Ratio Lower Upper

122 100

107 107.4 91.0 136.6

121 53.7 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 8.131 ng

RT: 9.922 min Scan# 1179

Delta R.T. -0.012 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

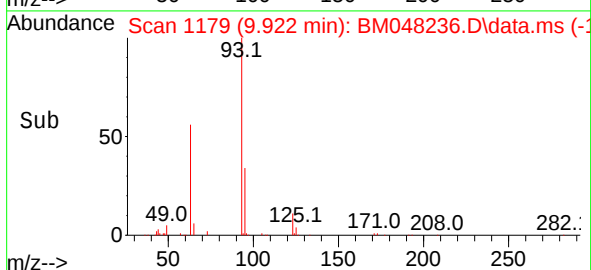
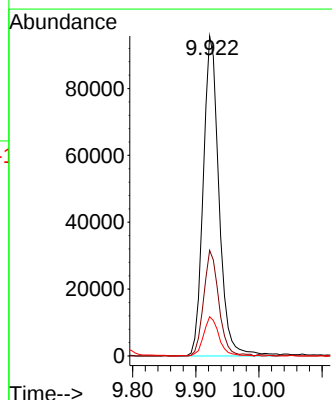
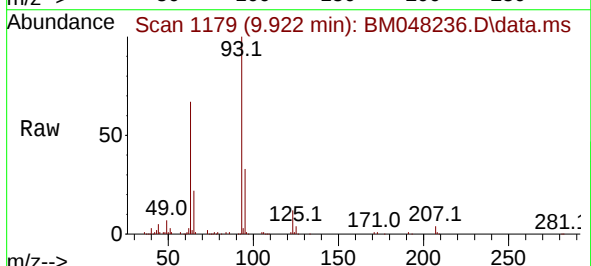
Tgt Ion: 93 Resp: 166095

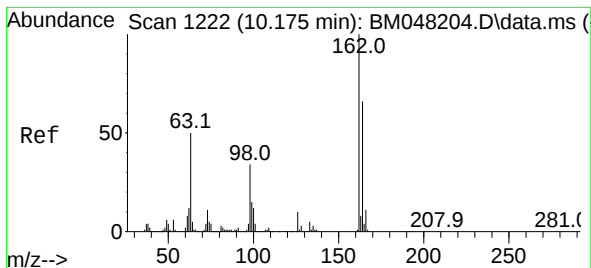
Ion Ratio Lower Upper

93 100

95 33.0 25.3 37.9

123 12.2 9.8 14.6





#29

2,4-Dichlorophenol

Concen: 7.882 ng

RT: 10.169 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

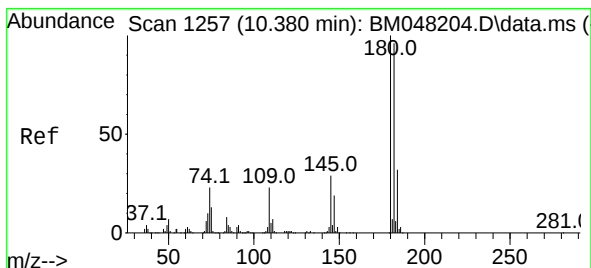
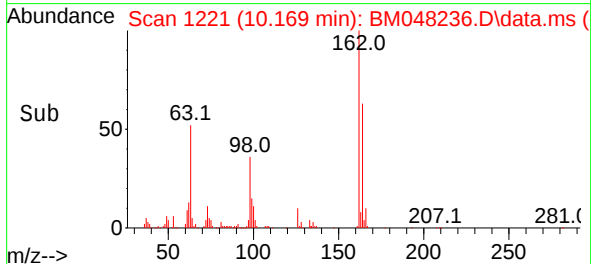
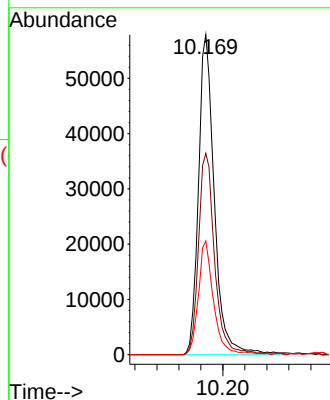
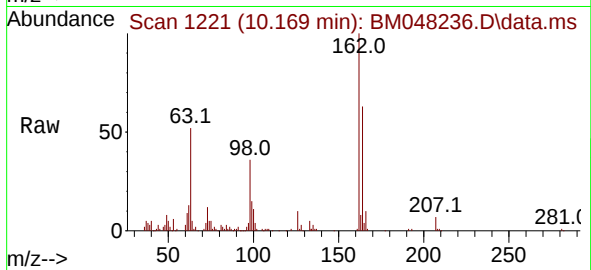
Tgt Ion:162 Resp: 115902

Ion Ratio Lower Upper

162 100

164 62.9 46.0 86.0

98 35.6 14.4 54.4



#30

1,2,4-Trichlorobenzene

Concen: 8.135 ng

RT: 10.369 min Scan# 1255

Delta R.T. -0.012 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

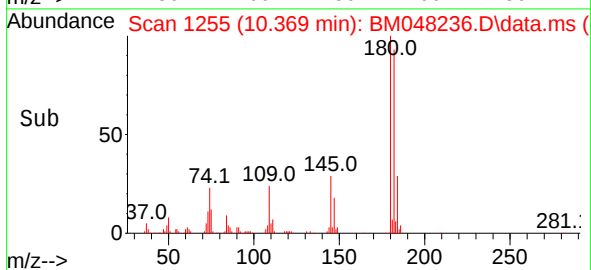
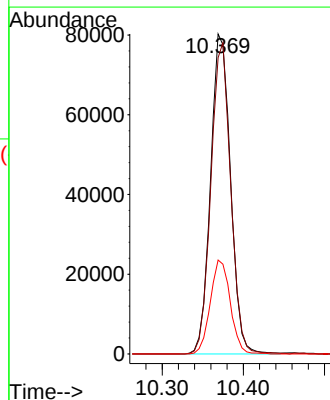
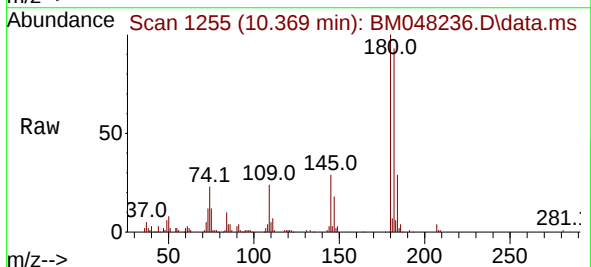
Tgt Ion:180 Resp: 136997

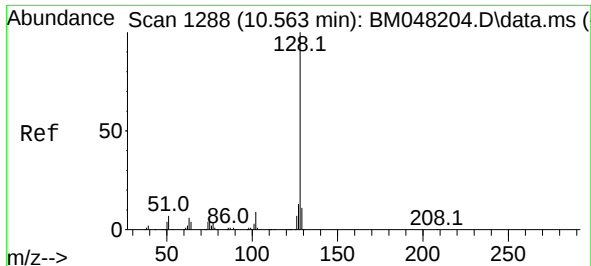
Ion Ratio Lower Upper

180 100

182 92.6 76.6 115.0

145 29.3 23.4 35.2

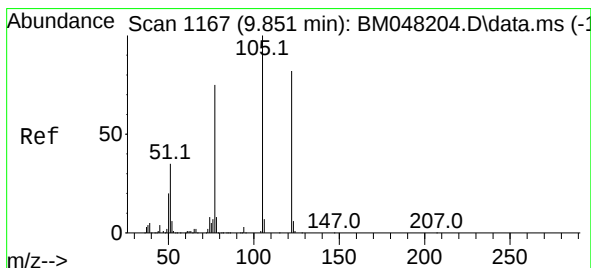
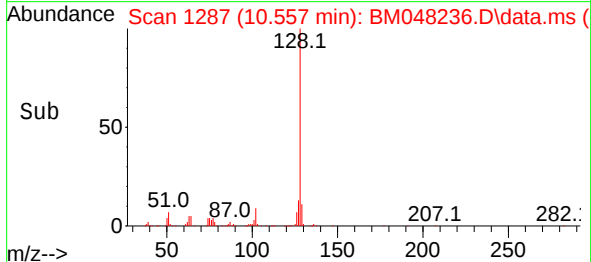
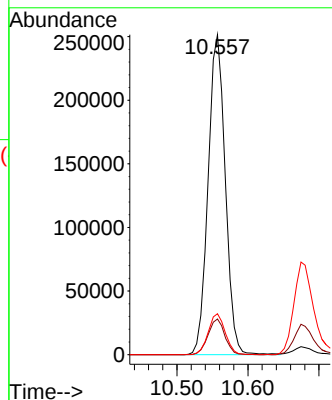
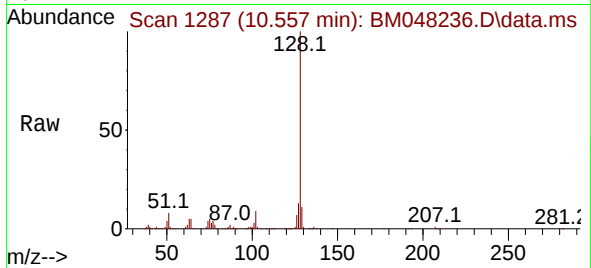




#31
Naphthalene
Concen: 8.152 ng
RT: 10.557 min Scan# 1157
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

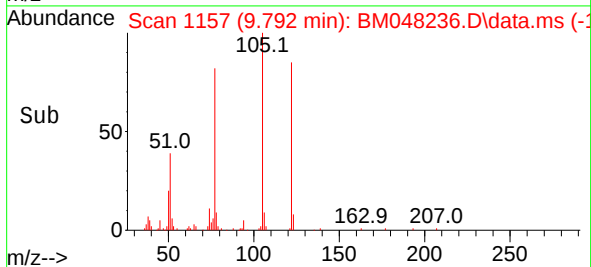
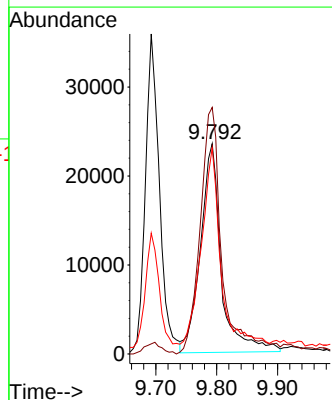
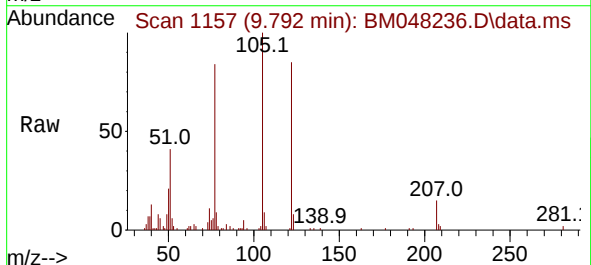
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

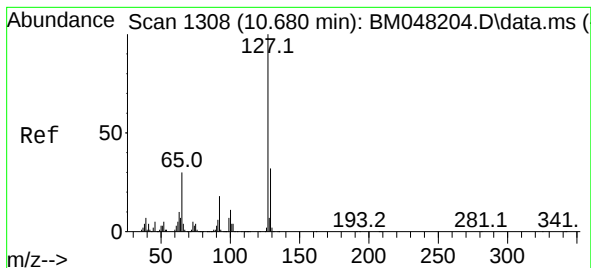
Tgt Ion:128 Resp: 422770
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 12.8 10.2 15.2



#32
Benzoic acid
Concen: 4.907 ng
RT: 9.792 min Scan# 1157
Delta R.T. -0.059 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

Tgt Ion:122 Resp: 55830
Ion Ratio Lower Upper
122 100
105 117.2 99.3 139.3
77 98.1 70.4 110.4





#33

4-Chloroaniline

Concen: 8.853 ng

RT: 10.675 min Scan# 1307

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion:127 Resp: 148910

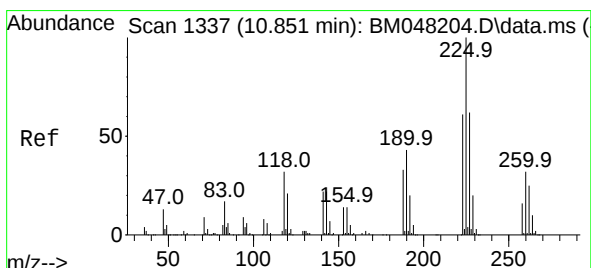
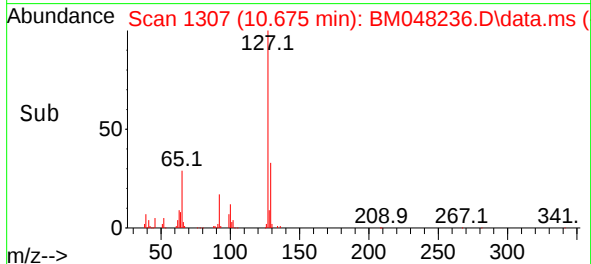
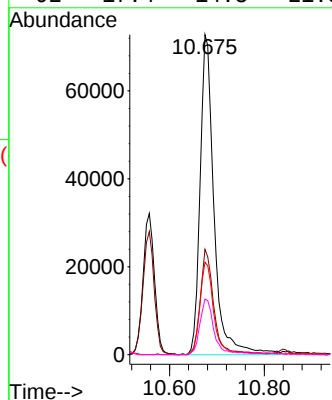
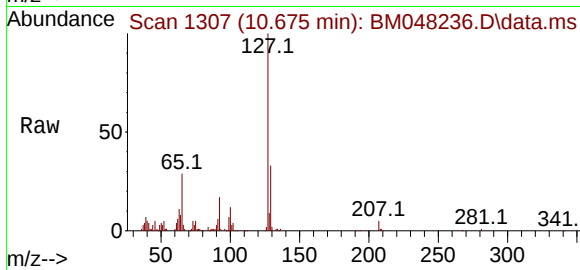
Ion Ratio Lower Upper

127 100

129 32.9 25.8 38.6

65 28.9 23.7 35.5

92 17.4 14.3 21.5



#34

Hexachlorobutadiene

Concen: 7.880 ng

RT: 10.845 min Scan# 1336

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

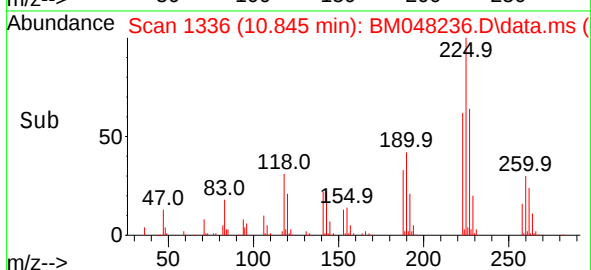
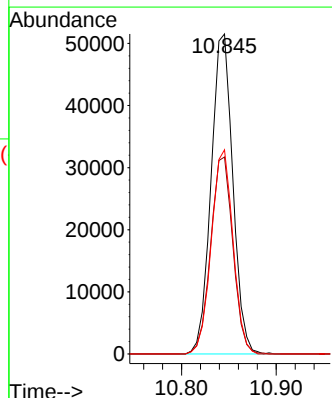
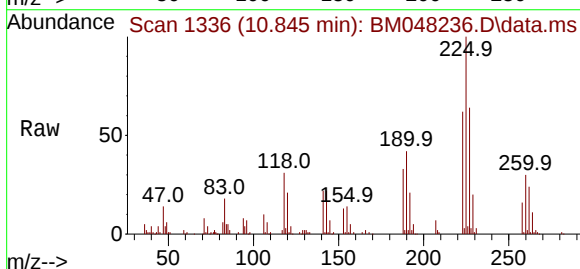
Tgt Ion:225 Resp: 82247

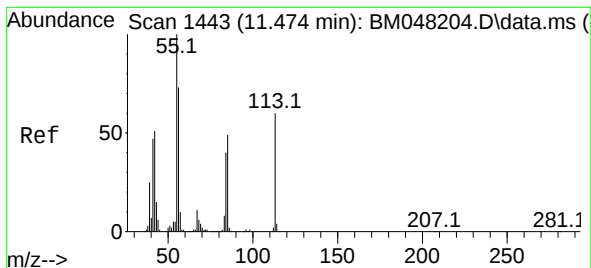
Ion Ratio Lower Upper

225 100

223 61.5 48.6 73.0

227 63.8 49.6 74.4





#35

Caprolactam

Concen: 6.535 ng

RT: 11.457 min Scan# 1440

Delta R.T. -0.017 min

Lab File: BM048236.D

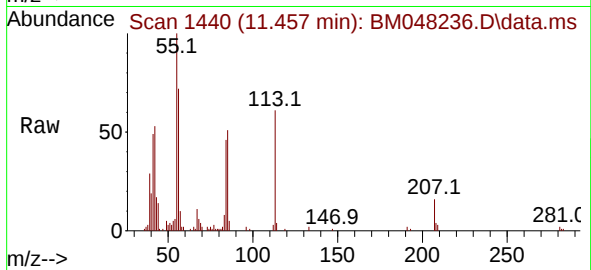
Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

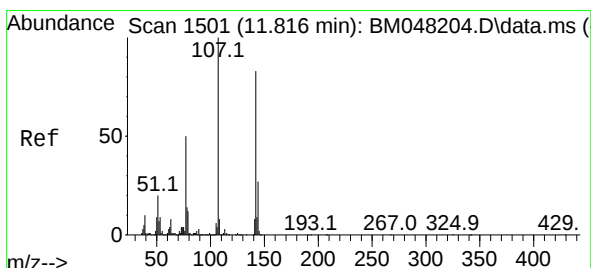
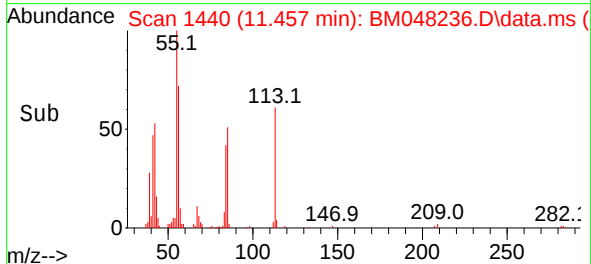
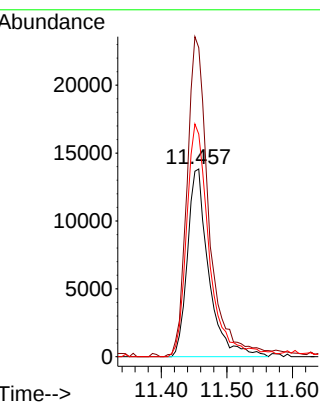
ClientSampleId :

MDL-SOIL-03-QT4-2024



Tgt Ion:113 Resp: 31217

Ion	Ratio	Lower	Upper
113	100		
55	164.7	146.1	186.1
56	118.6	101.9	141.9



#36

4-Chloro-3-methylphenol

Concen: 7.343 ng

RT: 11.810 min Scan# 1500

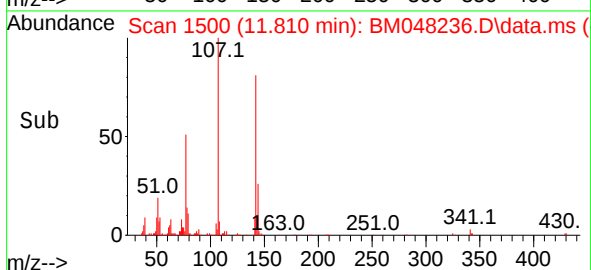
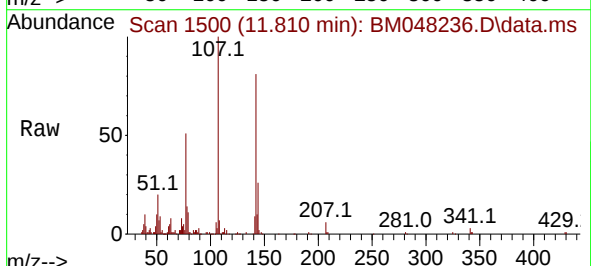
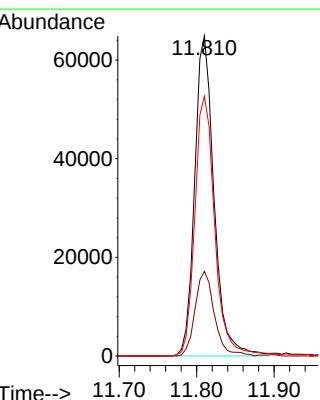
Delta R.T. -0.006 min

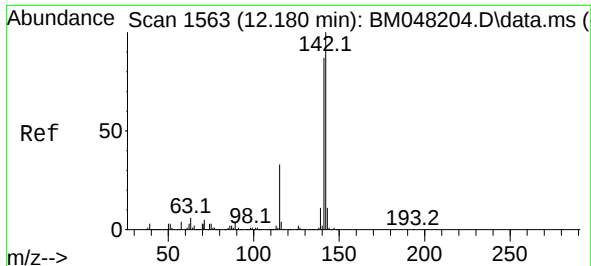
Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Tgt Ion:107 Resp: 112712

Ion	Ratio	Lower	Upper
107	100		
144	26.4	21.5	32.3
142	81.2	66.8	100.2

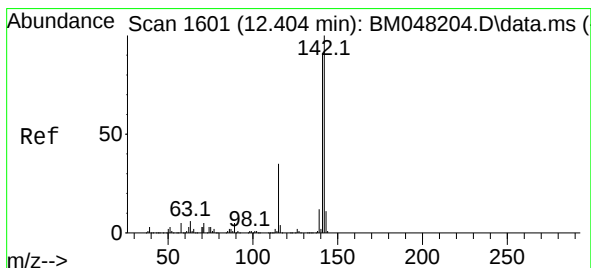
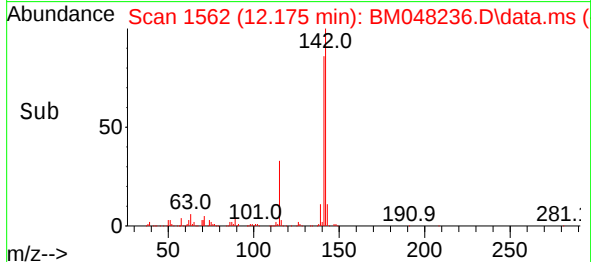
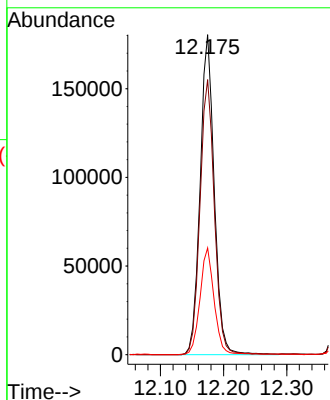
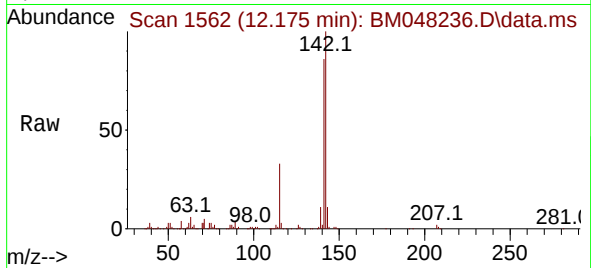




#37
2-Methylnaphthalene
Concen: 8.075 ng
RT: 12.175 min Scan# 1599
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

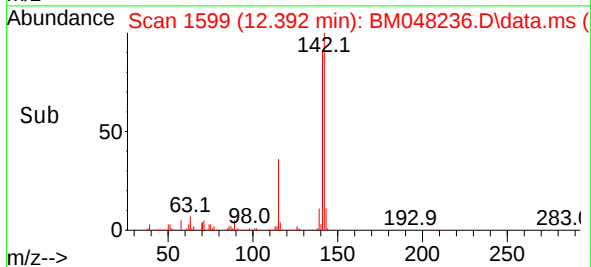
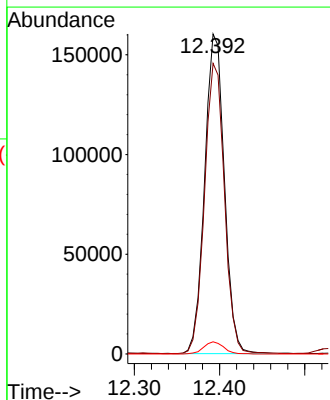
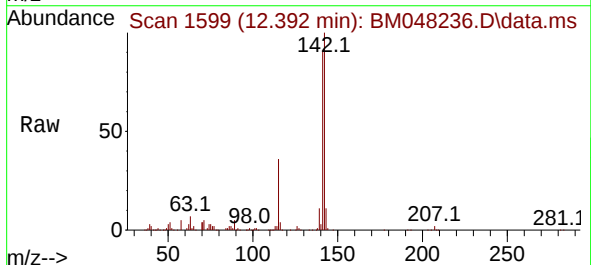
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

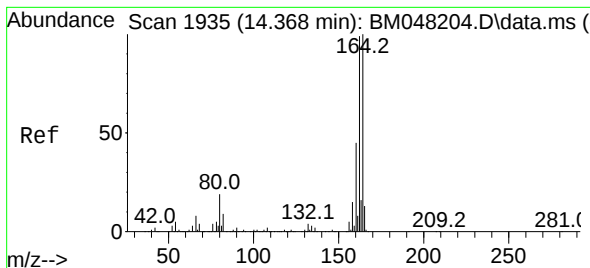
Tgt Ion:142 Resp: 279808
Ion Ratio Lower Upper
142 100
141 86.0 69.8 104.6
115 33.4 26.3 39.5



#38
1-Methylnaphthalene
Concen: 7.496 ng
RT: 12.392 min Scan# 1599
Delta R.T. -0.012 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

Tgt Ion:142 Resp: 257580
Ion Ratio Lower Upper
142 100
141 90.8 72.7 109.1
116 3.8 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.363 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

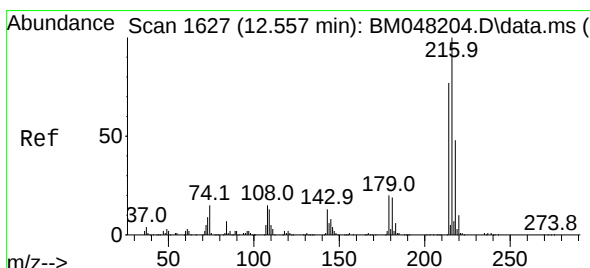
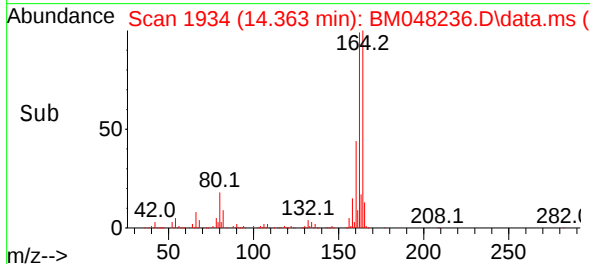
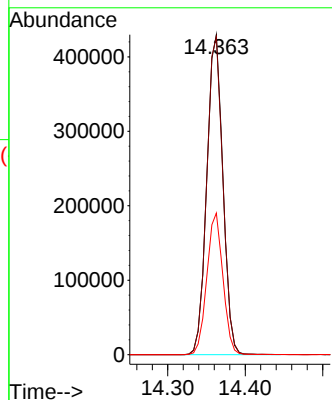
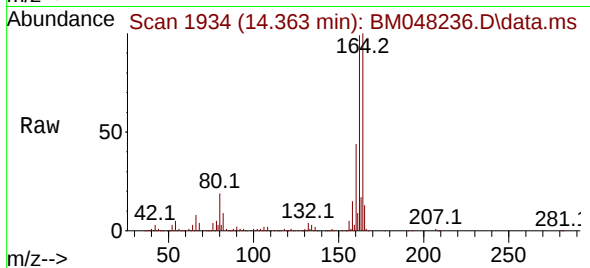
Tgt Ion:164 Resp: 618564

Ion Ratio Lower Upper

164 100

162 99.4 79.1 118.7

160 44.2 35.8 53.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.444 ng

RT: 12.545 min Scan# 1625

Delta R.T. -0.012 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Tgt Ion:216 Resp: 149297

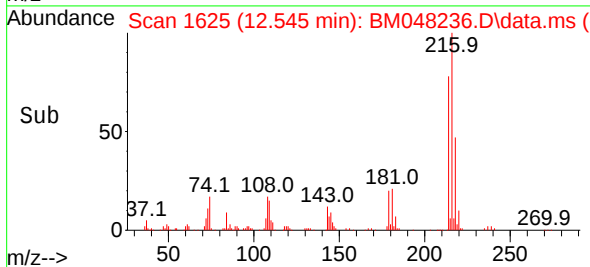
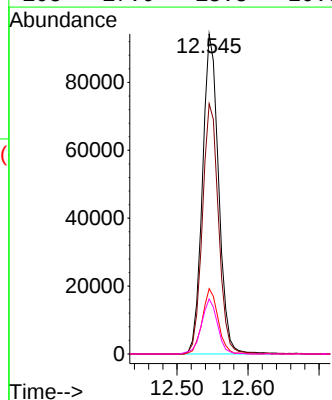
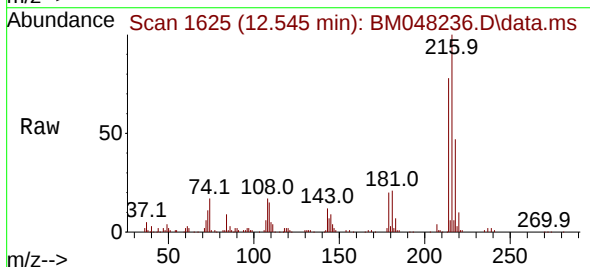
Ion Ratio Lower Upper

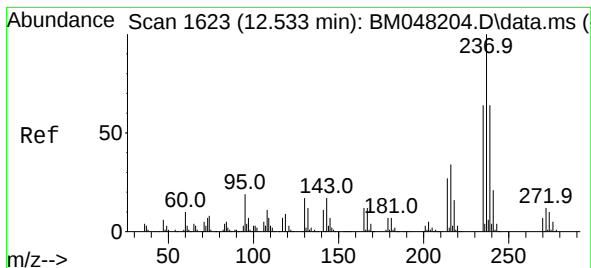
216 100

214 78.2 62.2 93.2

179 20.0 16.0 24.0

108 17.0 13.8 20.8





#41

Hexachlorocyclopentadiene

Concen: 5.103 ng

RT: 12.522 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

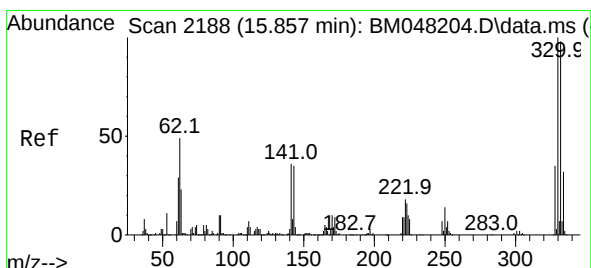
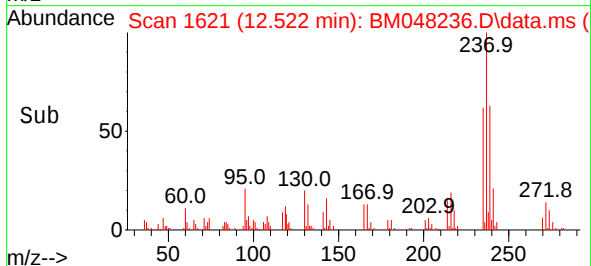
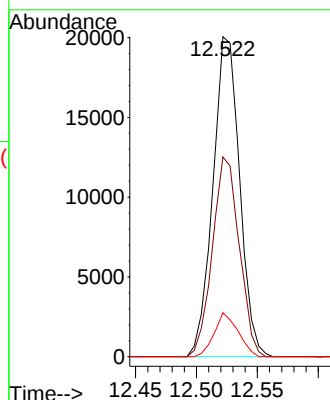
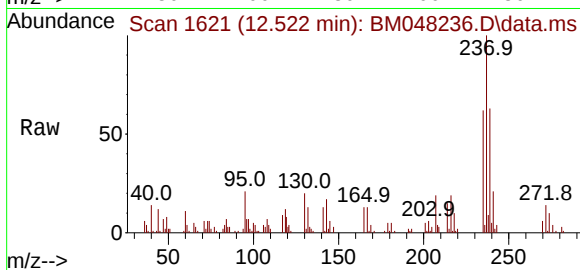
Tgt Ion:237 Resp: 30531

Ion Ratio Lower Upper

237 100

235 62.4 44.2 84.2

272 13.8 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 124.472 ng

RT: 15.851 min Scan# 2187

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

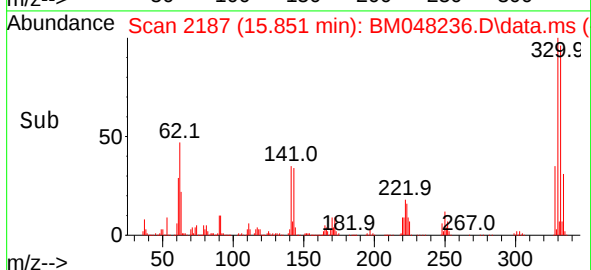
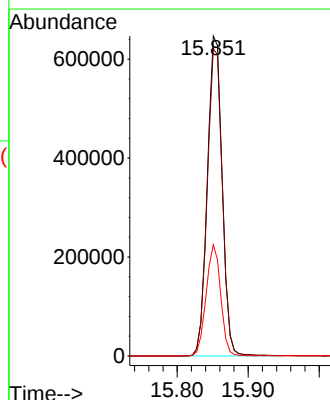
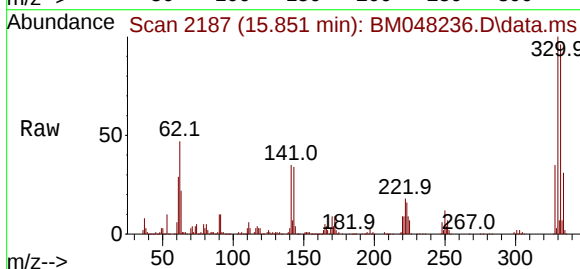
Tgt Ion:330 Resp: 942411

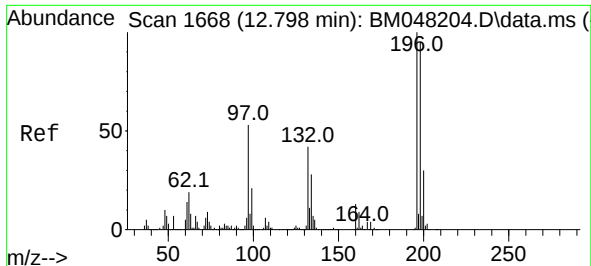
Ion Ratio Lower Upper

330 100

332 96.9 77.5 116.3

141 34.1 27.5 41.3





#43

2,4,6-Trichlorophenol

Concen: 7.600 ng

RT: 12.792 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM048236.D

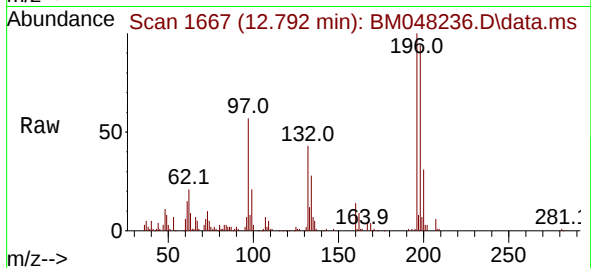
Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024



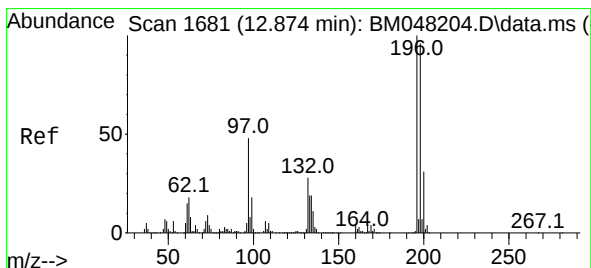
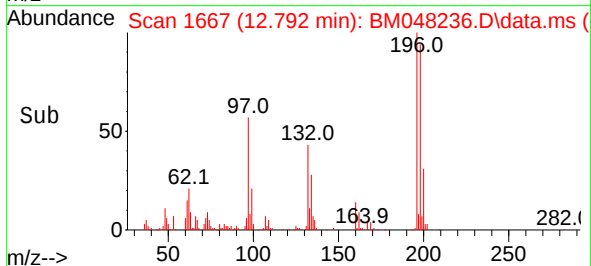
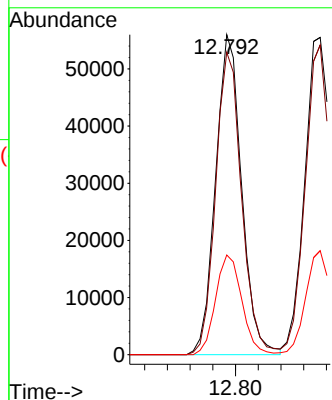
Tgt Ion:196 Resp: 89172

Ion Ratio Lower Upper

196 100

198 94.5 76.2 114.2

200 31.2 24.2 36.2



#44

2,4,5-Trichlorophenol

Concen: 7.426 ng

RT: 12.875 min Scan# 1681

Delta R.T. 0.000 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Tgt Ion:196 Resp: 97160

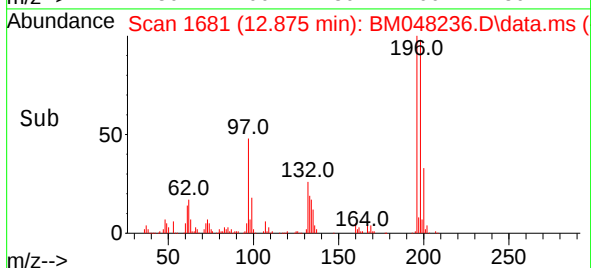
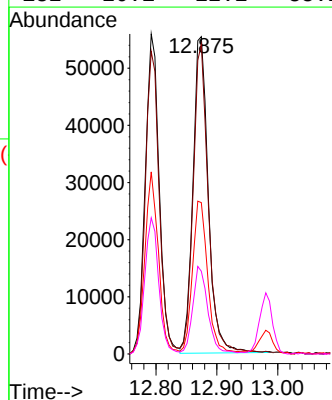
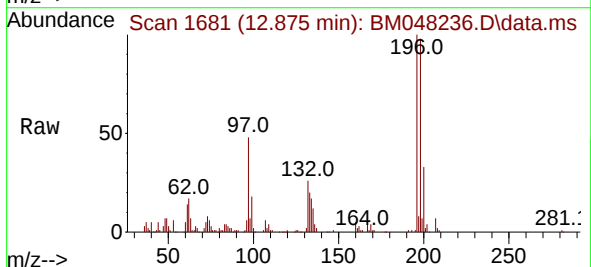
Ion Ratio Lower Upper

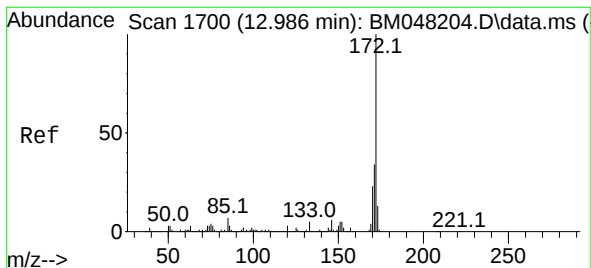
196 100

198 97.7 76.7 115.1

97 47.7 38.5 57.7

132 26.1 22.2 33.2





#45

2-Fluorobiphenyl

Concen: 88.622 ng

RT: 12.980 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

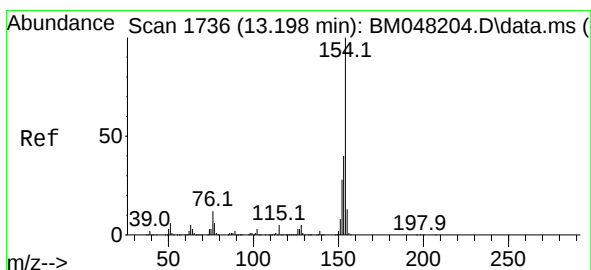
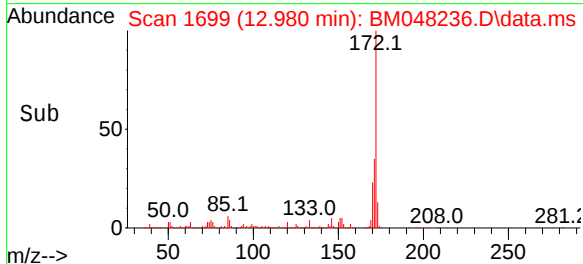
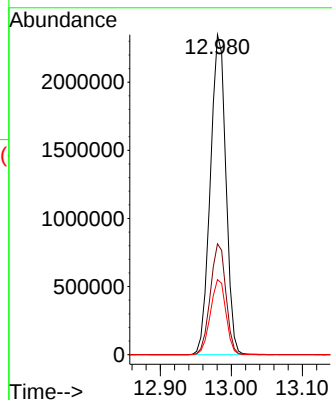
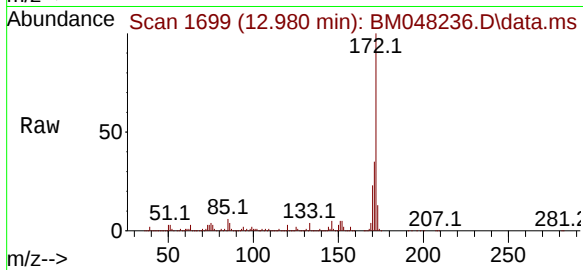
Tgt Ion:172 Resp: 3572390

Ion Ratio Lower Upper

172 100

171 34.7 27.4 41.0

170 23.4 18.5 27.7



#46

1,1'-Biphenyl

Concen: 8.616 ng

RT: 13.192 min Scan# 1735

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

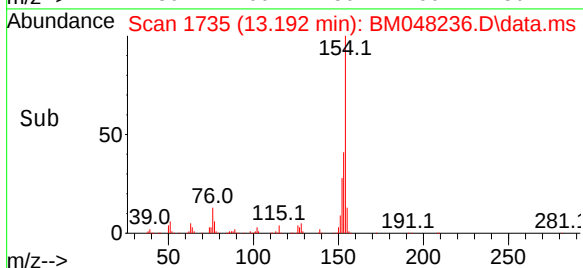
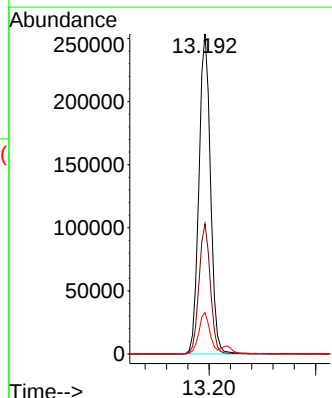
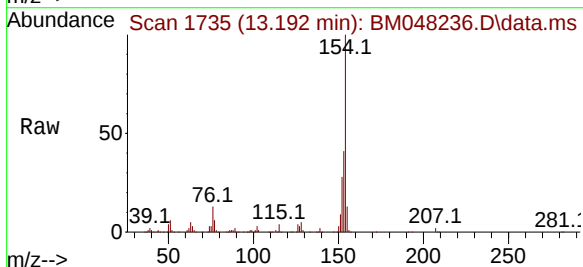
Tgt Ion:154 Resp: 380530

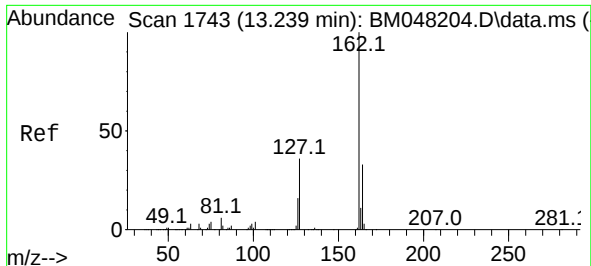
Ion Ratio Lower Upper

154 100

153 40.7 19.9 59.9

76 12.9 0.0 32.4





#47

2-Chloronaphthalene

Concen: 8.182 ng

RT: 13.233 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

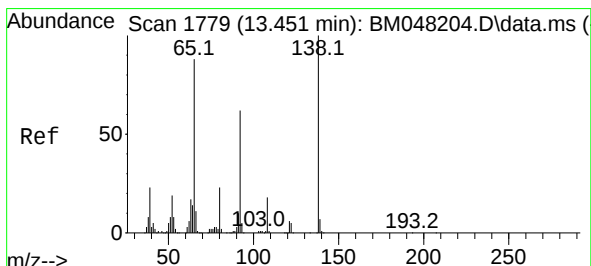
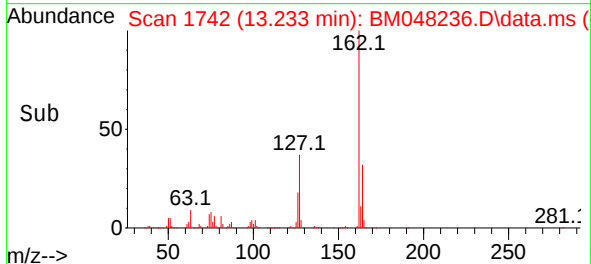
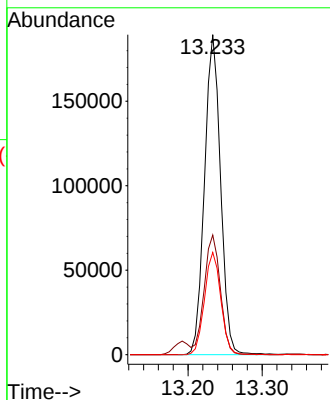
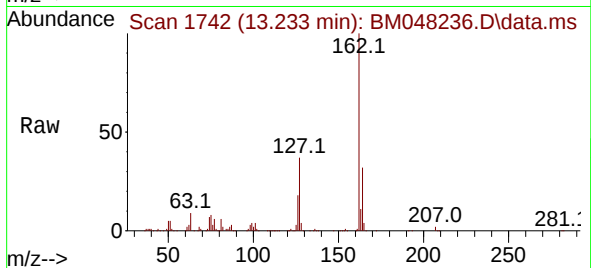
Tgt Ion:162 Resp: 284926

Ion Ratio Lower Upper

162 100

127 37.4 31.0 46.6

164 32.0 26.2 39.4



#48

2-Nitroaniline

Concen: 7.368 ng

RT: 13.445 min Scan# 1778

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

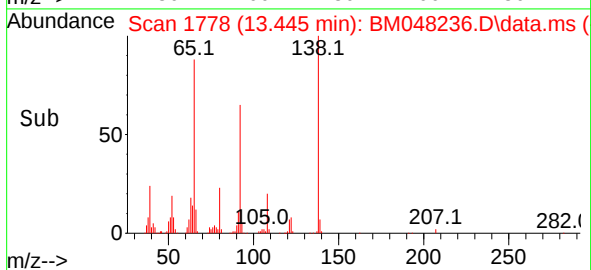
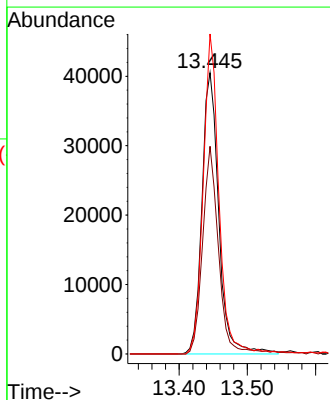
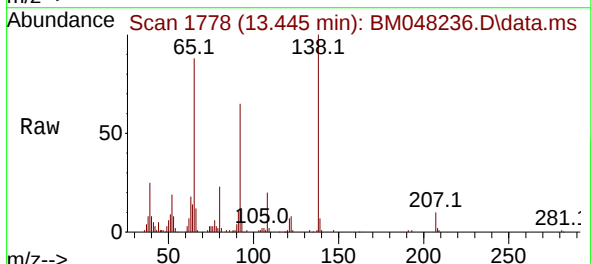
Tgt Ion: 65 Resp: 69589

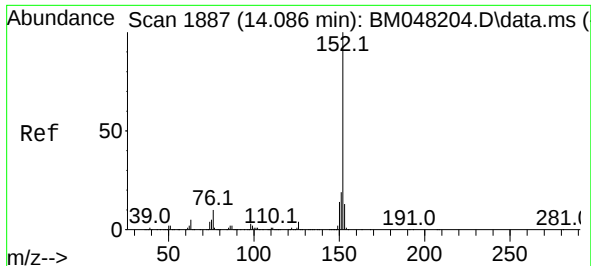
Ion Ratio Lower Upper

65 100

92 73.8 56.0 84.0

138 113.8 90.8 136.2

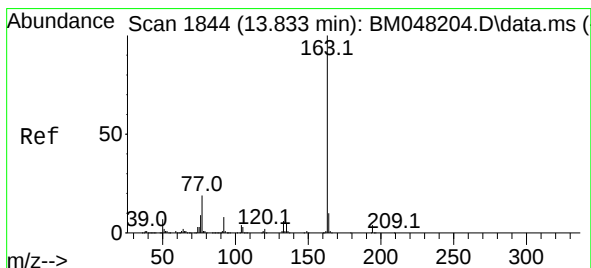
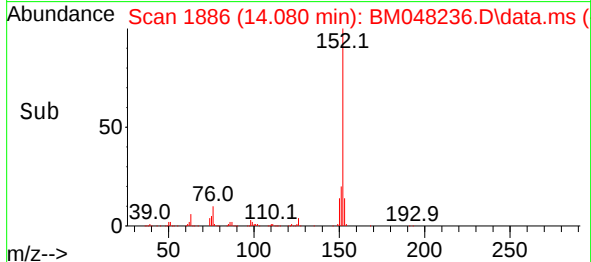
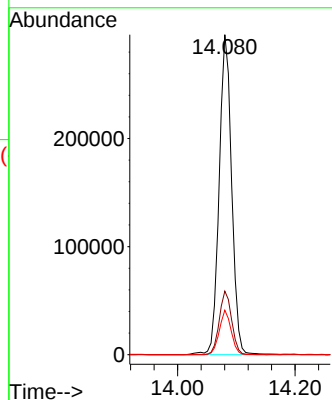
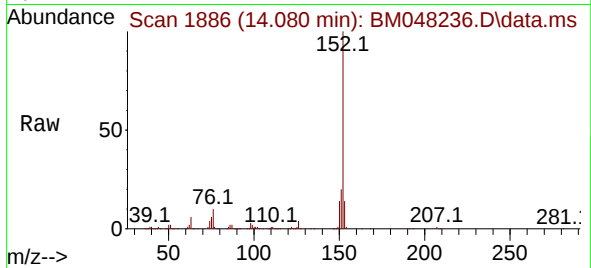




#49
Acenaphthylene
Concen: 8.591 ng
RT: 14.080 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

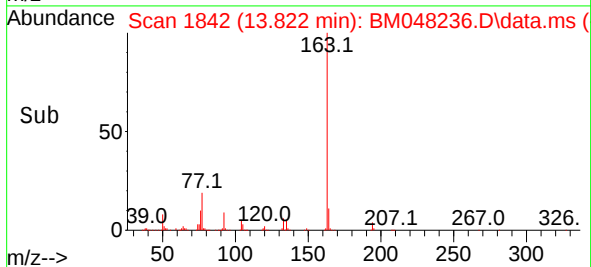
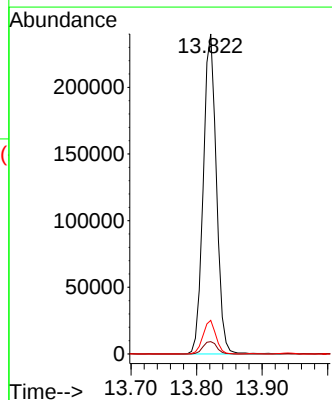
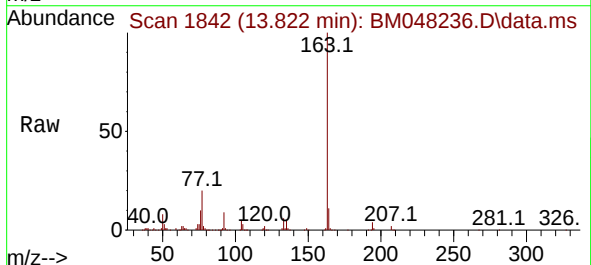
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

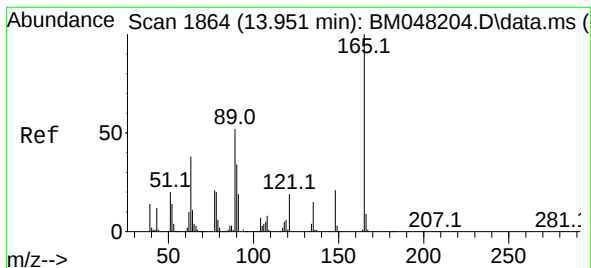
Tgt Ion:152 Resp: 436439
Ion Ratio Lower Upper
152 100
151 19.9 15.4 23.2
153 13.9 10.5 15.7



#50
Dimethylphthalate
Concen: 7.935 ng
RT: 13.822 min Scan# 1842
Delta R.T. -0.012 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

Tgt Ion:163 Resp: 335092
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 10.5 7.8 11.6

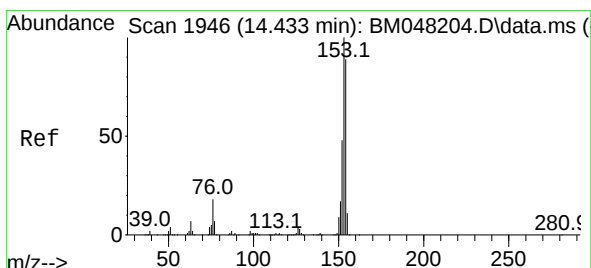
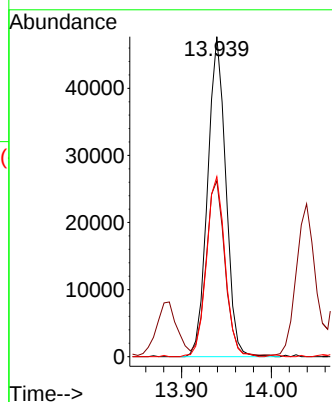
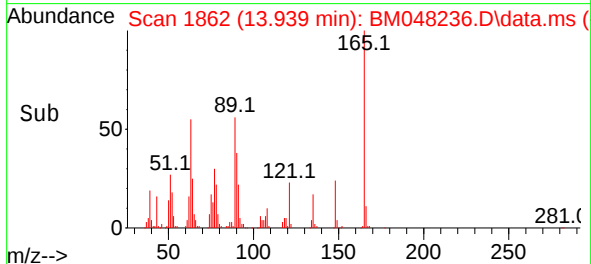
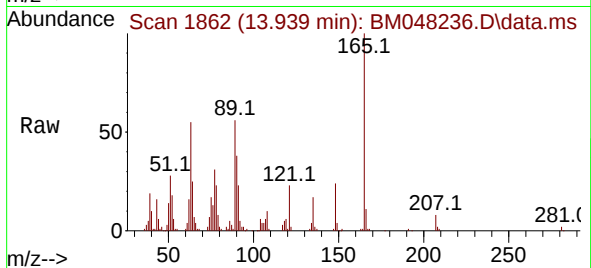




#51
2,6-Dinitrotoluene
Concen: 7.119 ng
RT: 13.939 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

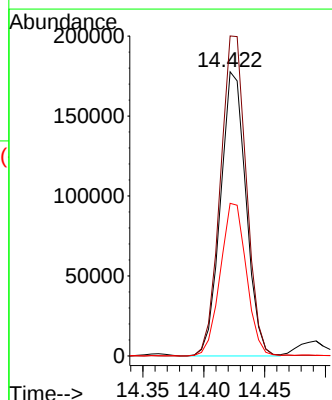
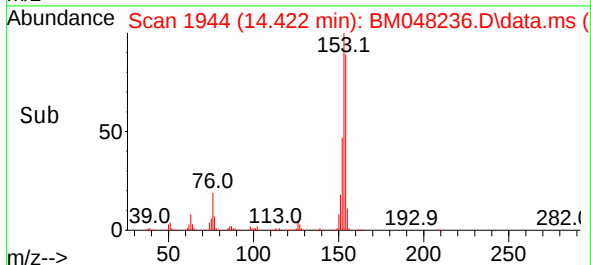
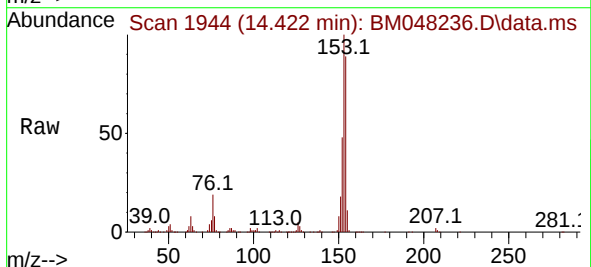
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

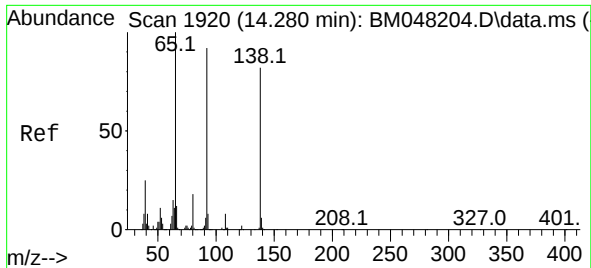
Tgt Ion:165 Resp: 67072
Ion Ratio Lower Upper
165 100
63 54.9 39.5 59.3
89 56.2 41.8 62.6



#52
Acenaphthene
Concen: 8.023 ng
RT: 14.422 min Scan# 1944
Delta R.T. -0.012 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

Tgt Ion:154 Resp: 258993
Ion Ratio Lower Upper
154 100
153 112.6 90.4 135.6
152 53.7 43.6 65.4

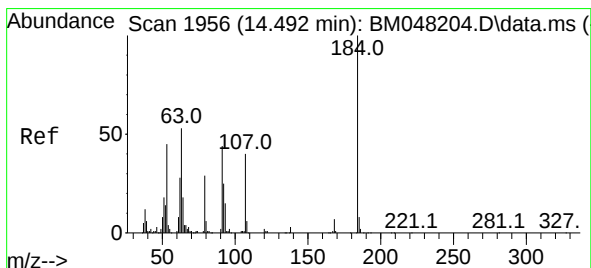
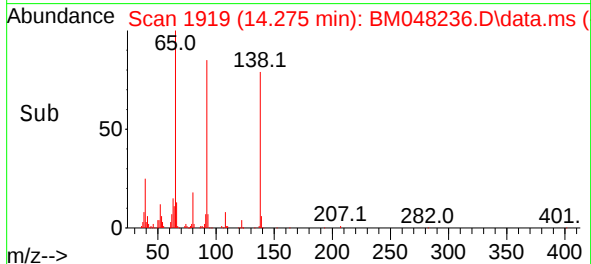
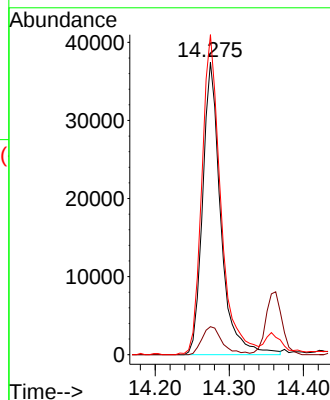
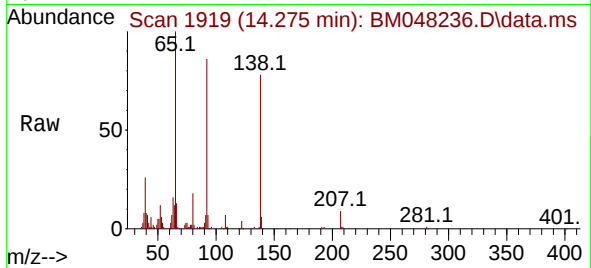




#53
3-Nitroaniline
Concen: 7.148 ng
RT: 14.275 min Scan# 1919
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

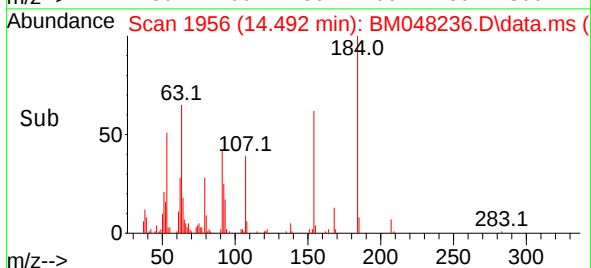
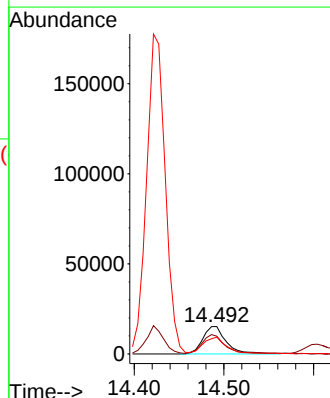
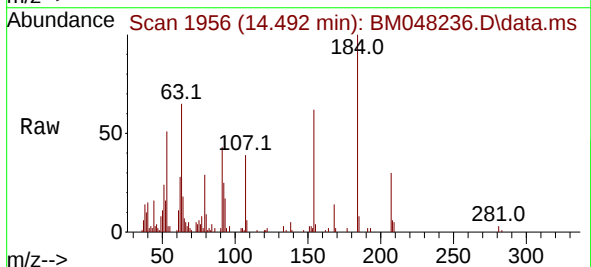
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

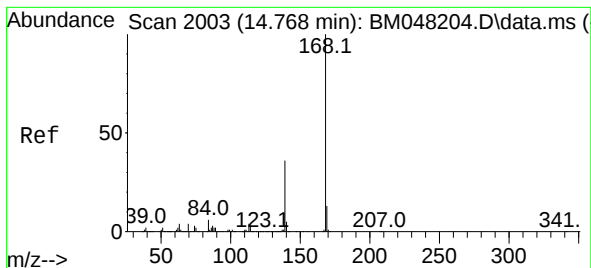
Tgt Ion:138 Resp: 63511
Ion Ratio Lower Upper
138 100
108 9.6 7.5 11.3
92 109.4 89.7 134.5



#54
2,4-Dinitrophenol
Concen: 5.022 ng
RT: 14.492 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

Tgt Ion:184 Resp: 27650
Ion Ratio Lower Upper
184 100
63 65.1 47.2 70.8
154 61.7 46.0 69.0





#55

Dibenzenofuran

Concen: 8.321 ng

RT: 14.763 min Scan# 2003

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

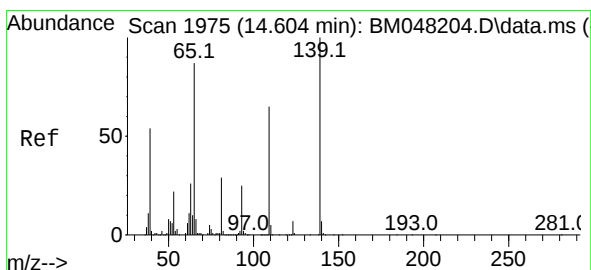
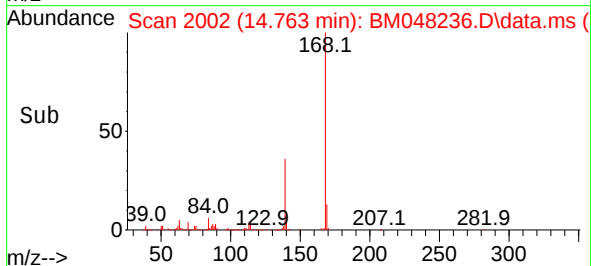
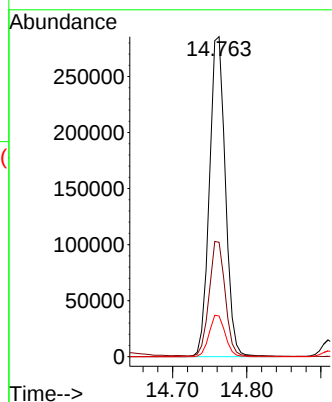
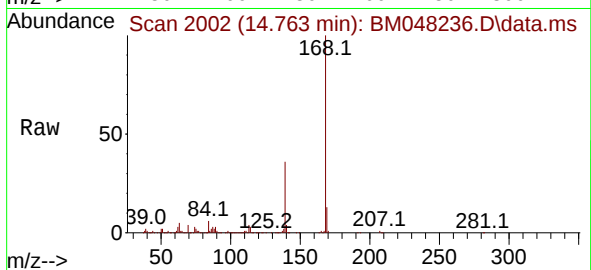
Tgt Ion:168 Resp: 426740

Ion Ratio Lower Upper

168 100

139 35.8 29.0 43.6

169 12.7 10.4 15.6



#56

4-Nitrophenol

Concen: 5.814 ng

RT: 14.604 min Scan# 1975

Delta R.T. -0.000 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

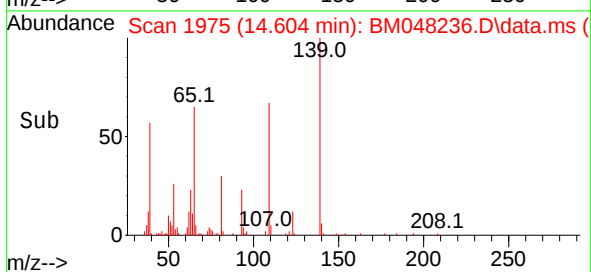
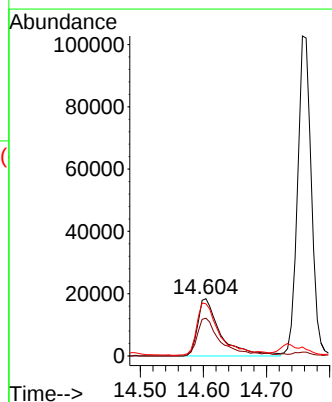
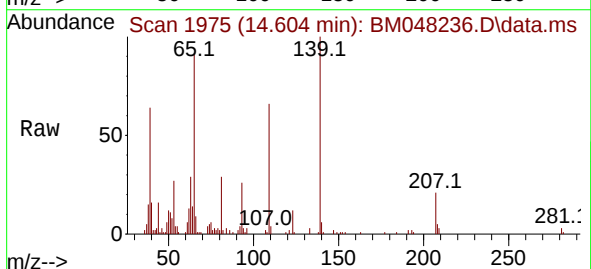
Tgt Ion:139 Resp: 46106

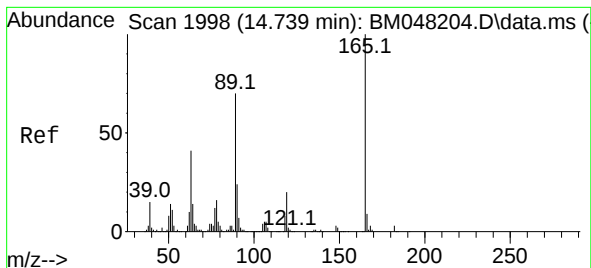
Ion Ratio Lower Upper

139 100

109 65.8 45.4 85.4

65 91.0 67.3 107.3





#57

2,4-Dinitrotoluene

Concen: 6.871 ng

RT: 14.733 min Scan# 1998

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion:165 Resp: 85488

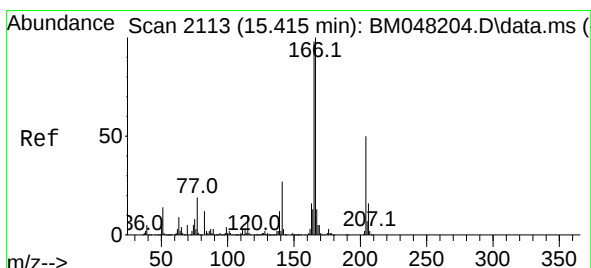
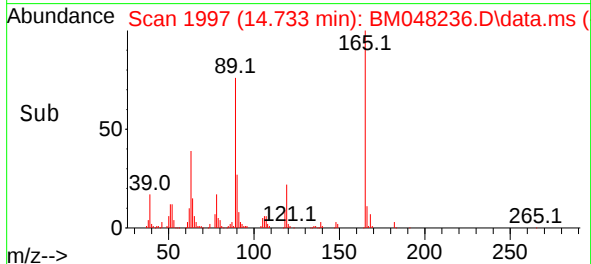
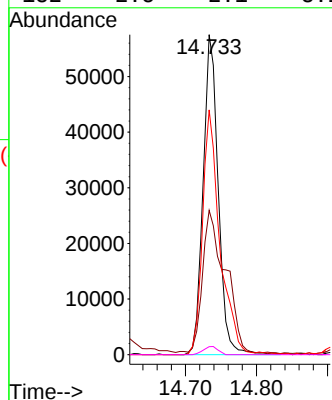
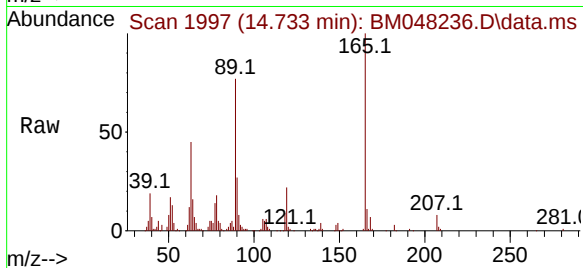
Ion Ratio Lower Upper

165 100

63 45.1 33.0 49.4

89 76.5 55.8 83.6

182 2.5 2.1 3.1



#58

Fluorene

Concen: 8.213 ng

RT: 15.410 min Scan# 2112

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

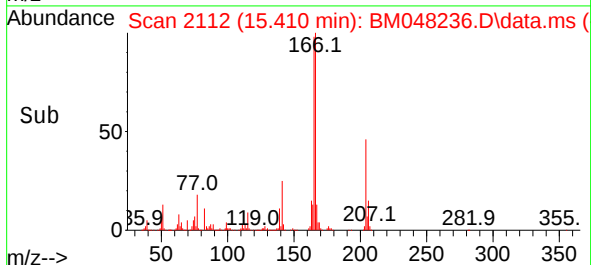
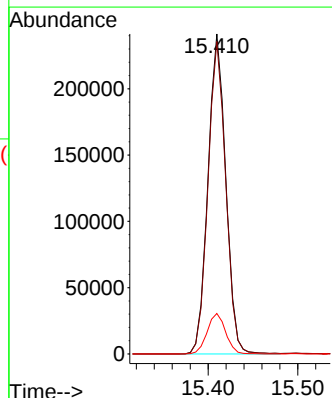
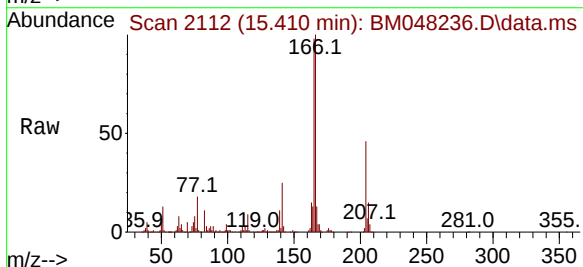
Tgt Ion:166 Resp: 333065

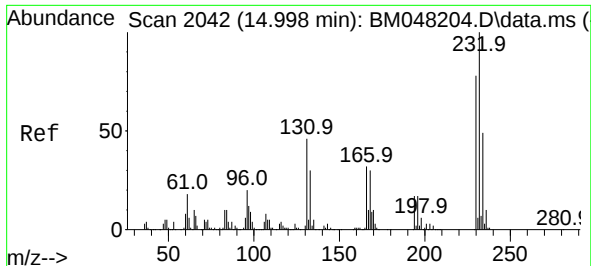
Ion Ratio Lower Upper

166 100

165 97.6 78.4 117.6

167 12.6 10.8 16.2





#59

2,3,4,6-Tetrachlorophenol

Concen: 7.855 ng

RT: 14.992 min Scan# 2041

Delta R.T. -0.006 min

Lab File: BM048236.D

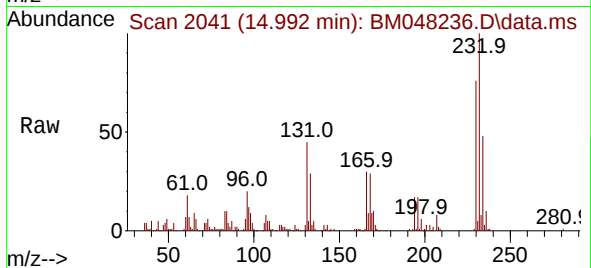
Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024



Tgt Ion:232 Resp: 85187

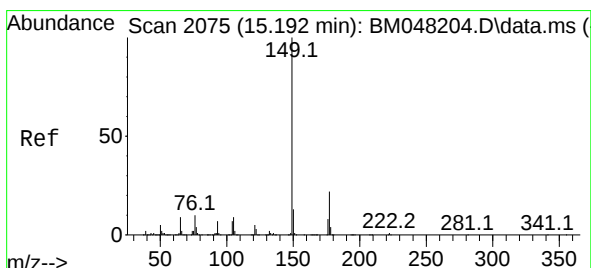
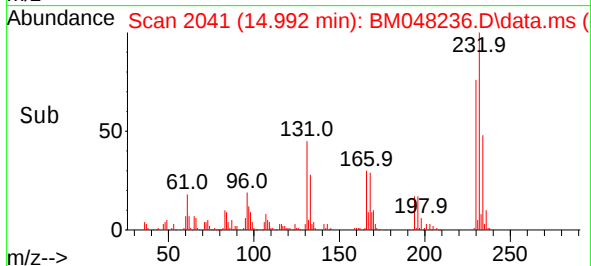
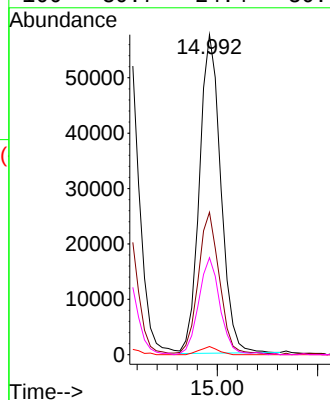
Ion Ratio Lower Upper

232 100

131 44.9 35.5 53.3

130 2.2 1.8 2.6

166 30.7 24.4 36.6



#60

Diethylphthalate

Concen: 7.607 ng

RT: 15.186 min Scan# 2074

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

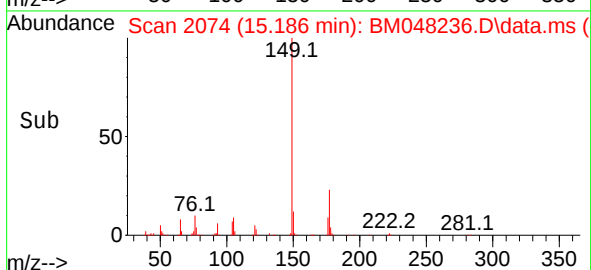
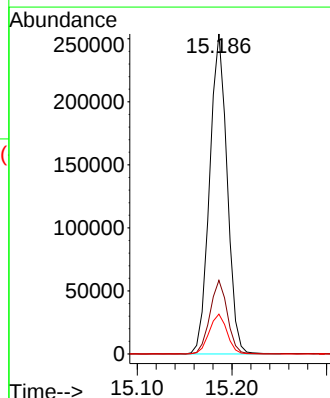
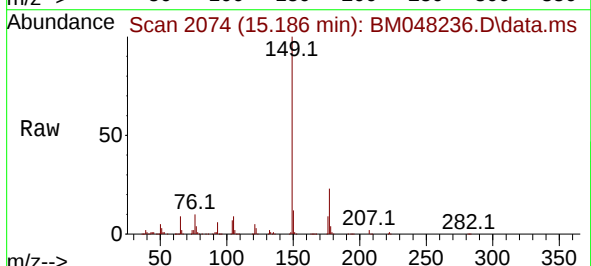
Tgt Ion:149 Resp: 325219

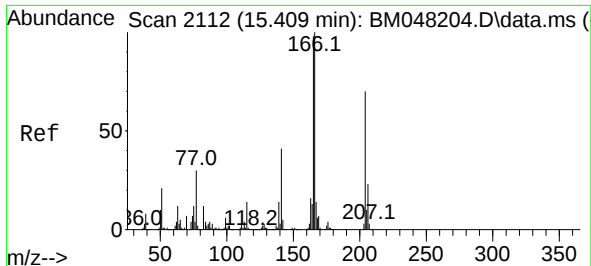
Ion Ratio Lower Upper

149 100

177 23.0 17.5 26.3

150 12.5 10.1 15.1

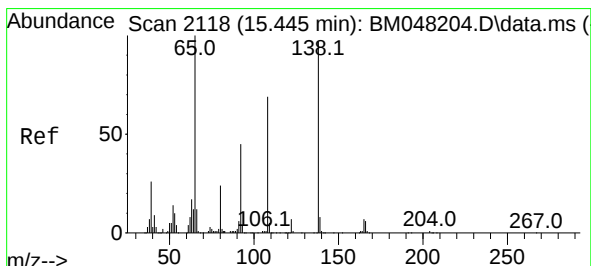
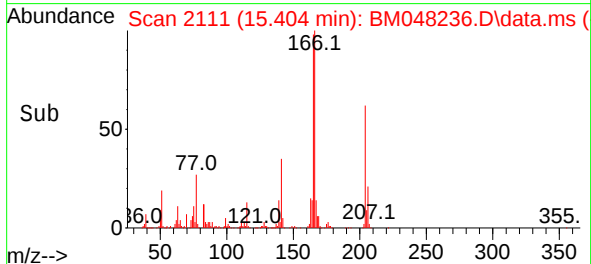
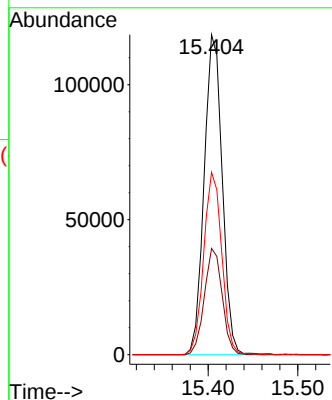
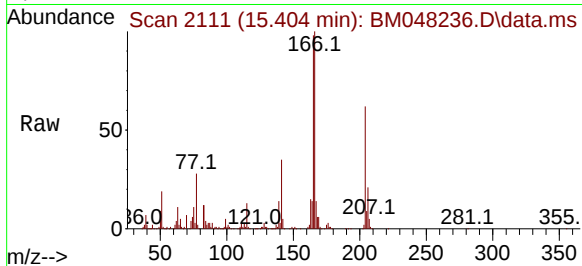




#61
4-Chlorophenyl-phenylether
Concen: 8.180 ng
RT: 15.404 min Scan# 2111
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

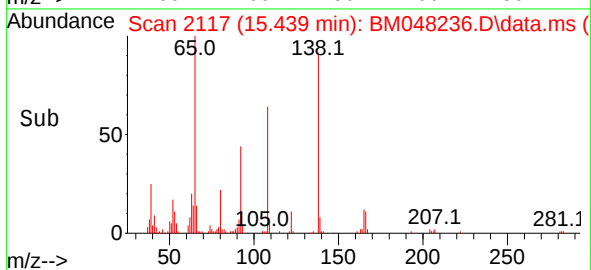
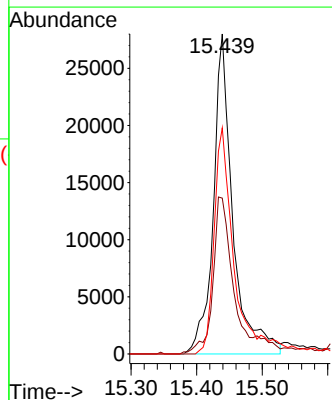
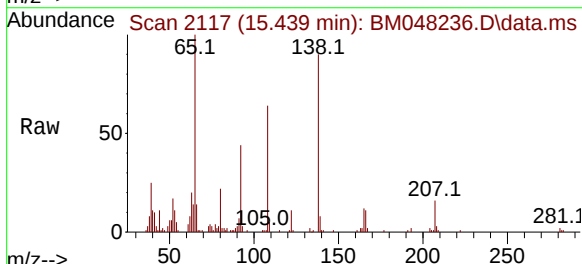
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

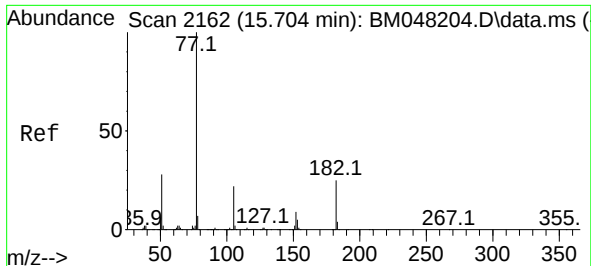
Tgt Ion:204 Resp: 165867
Ion Ratio Lower Upper
204 100
206 33.2 26.2 39.4
141 57.0 47.0 70.6



#62
4-Nitroaniline
Concen: 6.275 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

Tgt Ion:138 Resp: 57704
Ion Ratio Lower Upper
138 100
92 48.7 26.9 66.9
108 70.7 51.3 91.3

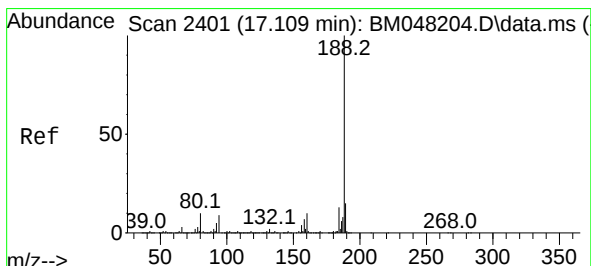
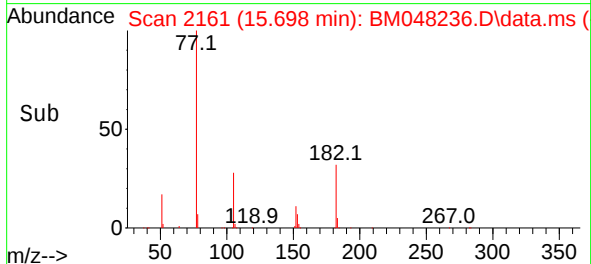
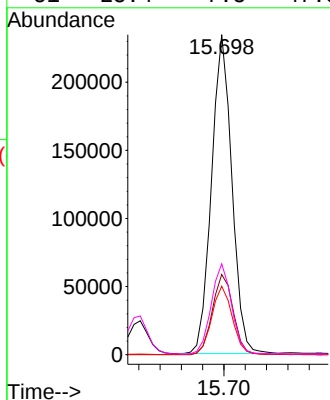
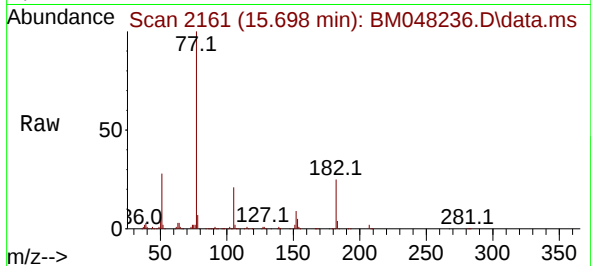




#63
Azobenzene
Concen: 8.090 ng
RT: 15.698 min Scan# 2161
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

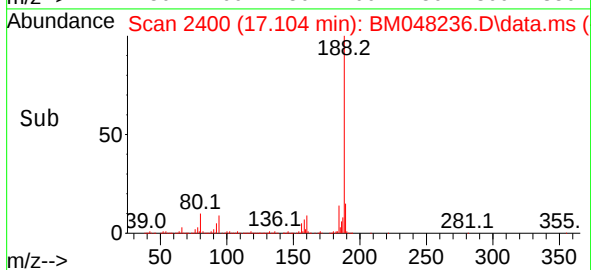
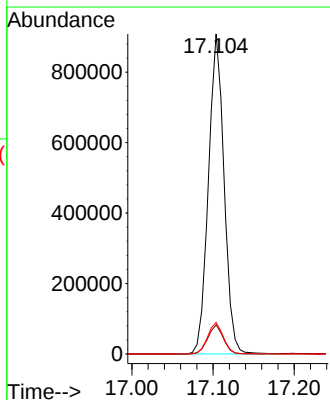
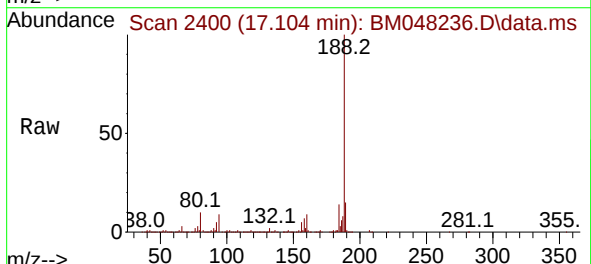
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

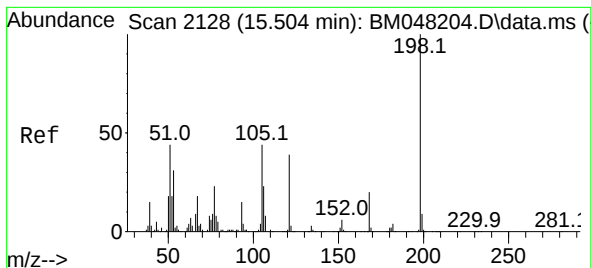
Tgt Ion: 77 Resp: 309995
Ion Ratio Lower Upper
77 100
182 25.1 5.3 45.3
105 21.4 1.6 41.6
51 28.4 7.8 47.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.104 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

Tgt Ion: 188 Resp: 1213573
Ion Ratio Lower Upper
188 100
94 9.1 7.3 10.9
80 9.8 8.0 12.0

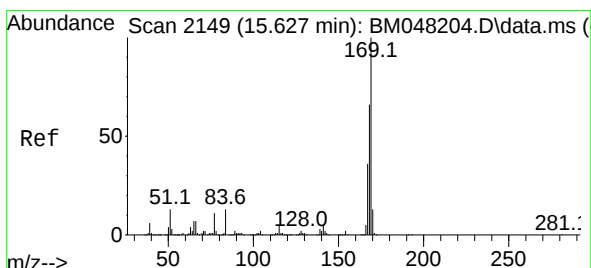
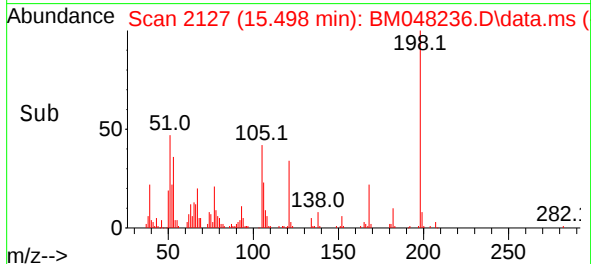
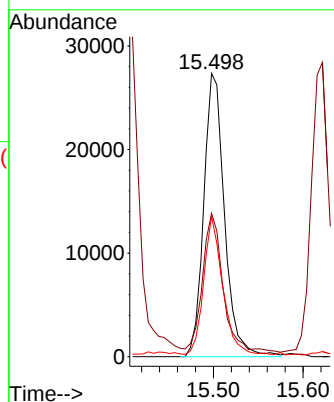
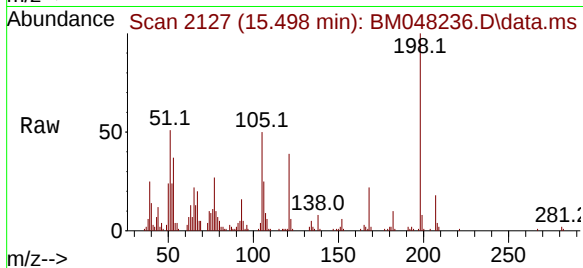




#65
4,6-Dinitro-2-methylphenol
Concen: 6.246 ng
RT: 15.498 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

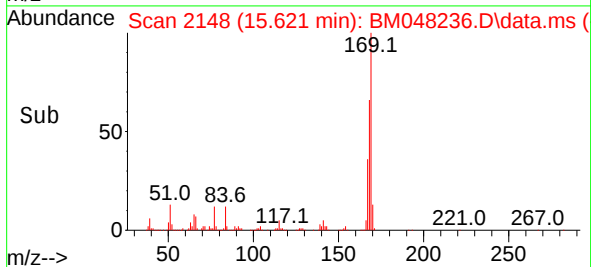
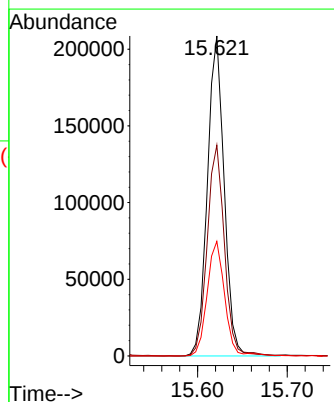
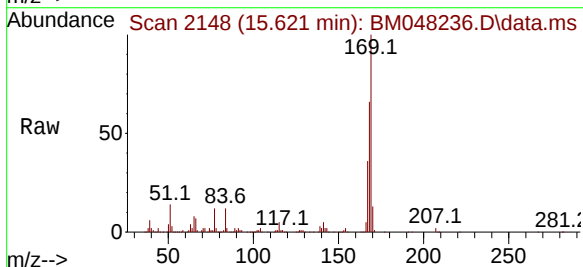
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

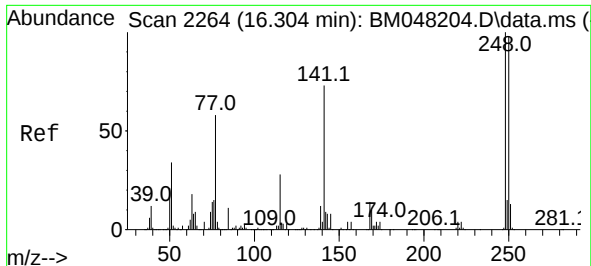
Tgt Ion:198 Resp: 43983
Ion Ratio Lower Upper
198 100
51 50.7 25.4 65.4
105 49.6 23.9 63.9



#66
n-Nitrosodiphenylamine
Concen: 8.133 ng
RT: 15.621 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

Tgt Ion:169 Resp: 270934
Ion Ratio Lower Upper
169 100
168 65.9 52.9 79.3
167 35.8 29.3 43.9





#67

4-Bromophenyl-phenylether

Concen: 8.154 ng

RT: 16.298 min Scan# 2263

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

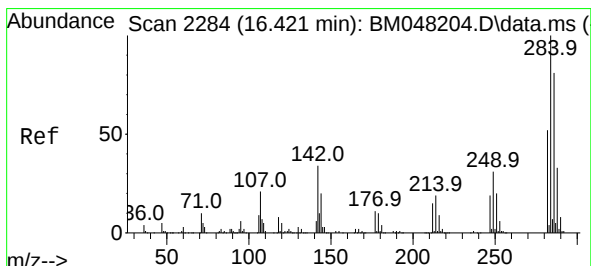
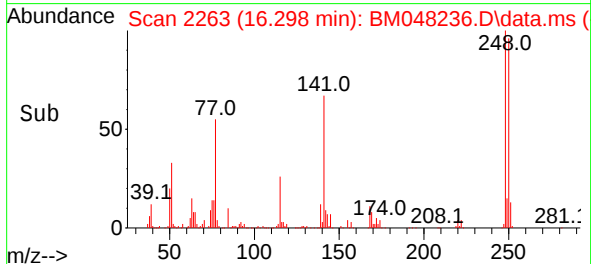
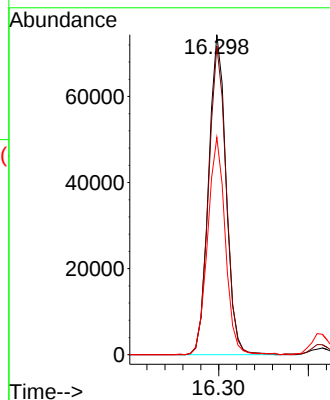
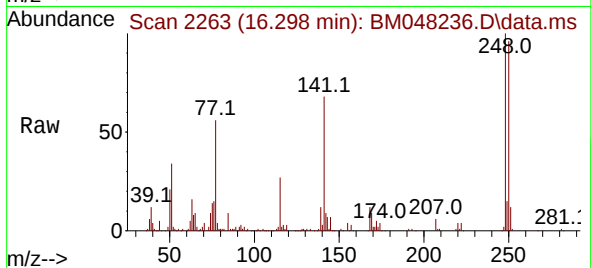
Tgt Ion:248 Resp: 100327

Ion Ratio Lower Upper

248 100

250 96.5 78.3 117.5

141 67.9 58.0 87.0



#68

Hexachlorobenzene

Concen: 8.071 ng

RT: 16.416 min Scan# 2283

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

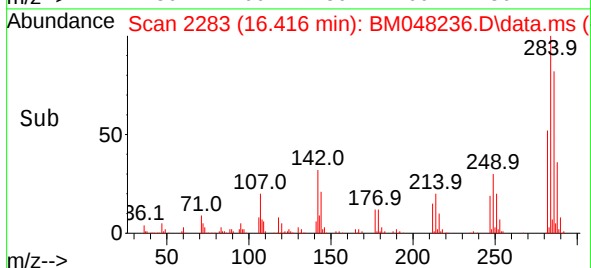
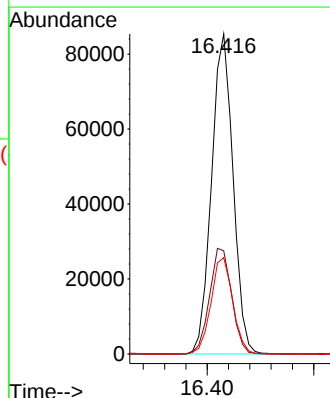
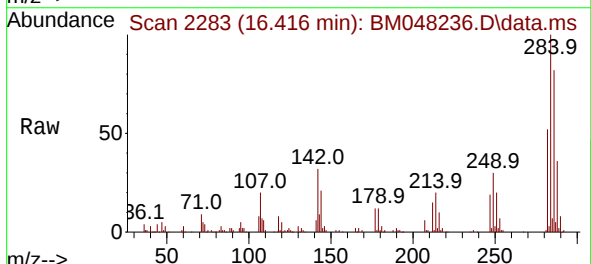
Tgt Ion:284 Resp: 119274

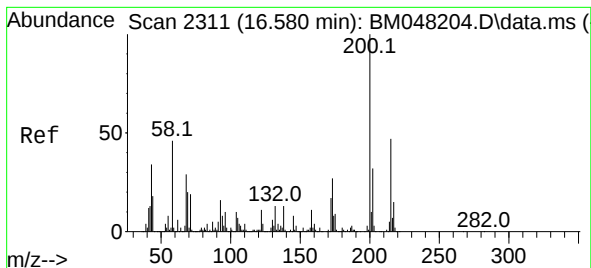
Ion Ratio Lower Upper

284 100

142 32.2 27.0 40.4

249 30.1 24.6 36.8





#69

Atrazine

Concen: 9.781 ng

RT: 16.574 min Scan# 2310

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

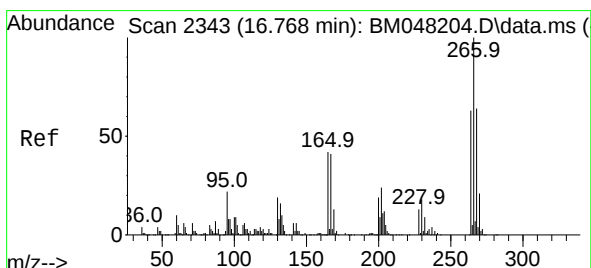
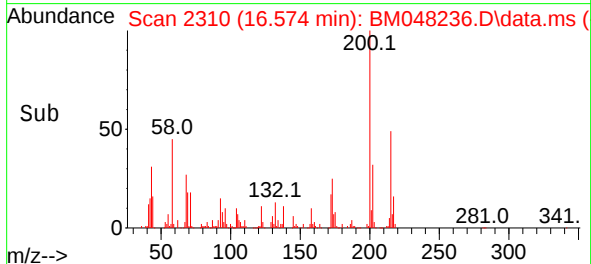
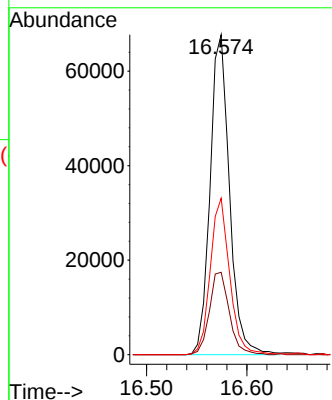
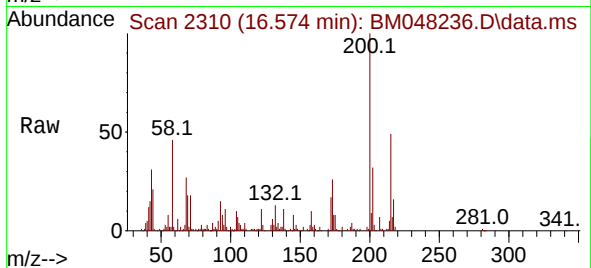
Tgt Ion:200 Resp: 91176

Ion Ratio Lower Upper

200 100

173 25.8 6.5 46.5

215 48.9 27.2 67.2



#70

Pentachlorophenol

Concen: 6.777 ng

RT: 16.763 min Scan# 2342

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

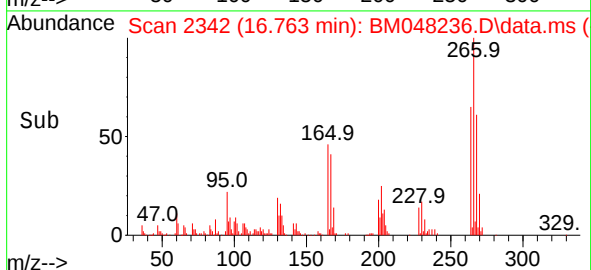
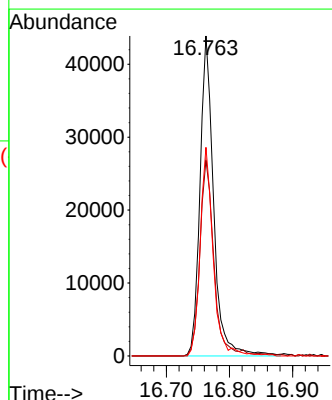
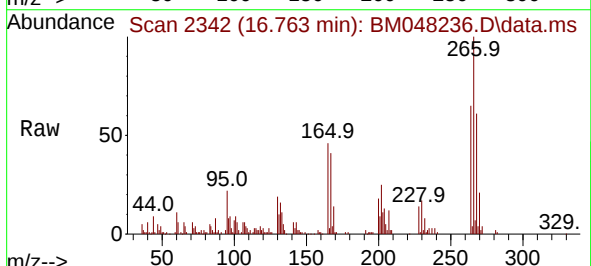
Tgt Ion:266 Resp: 65750

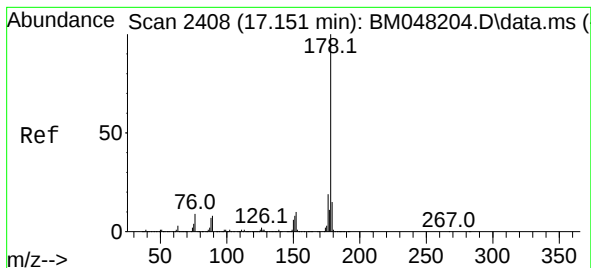
Ion Ratio Lower Upper

266 100

268 61.1 50.8 76.2

264 65.2 50.2 75.2





#71

Phenanthrene

Concen: 8.473 ng

RT: 17.145 min Scan# 2407

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

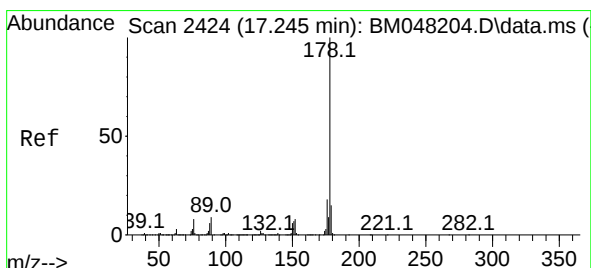
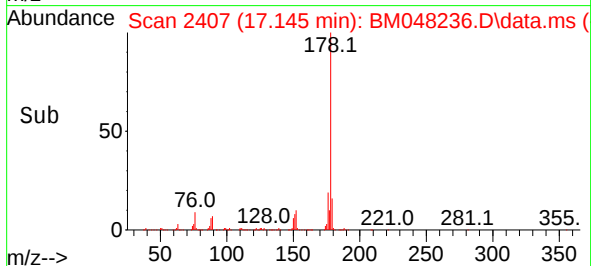
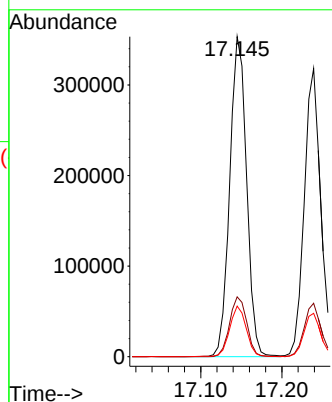
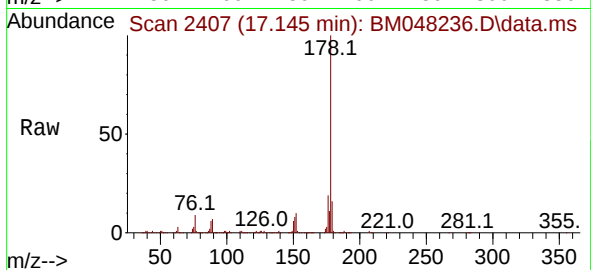
Tgt Ion:178 Resp: 509187

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.0

179 15.8 12.4 18.6



#72

Anthracene

Concen: 7.889 ng

RT: 17.239 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

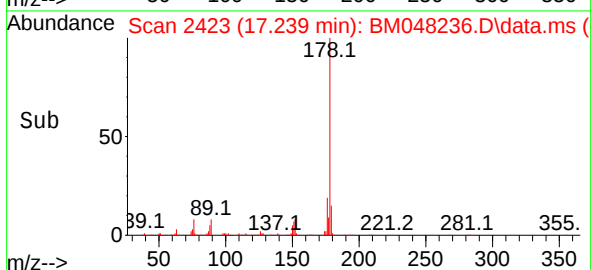
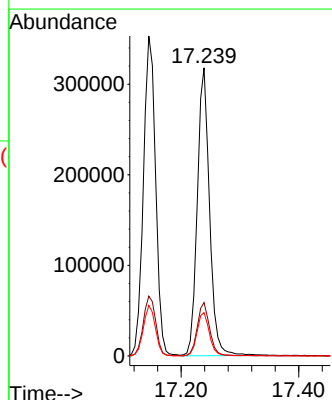
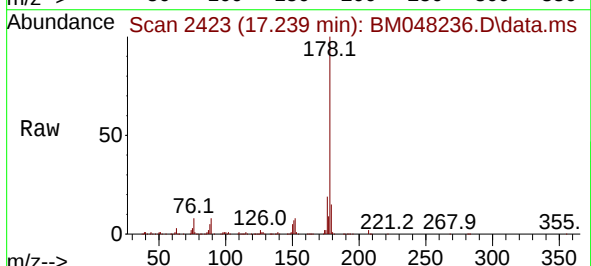
Tgt Ion:178 Resp: 458948

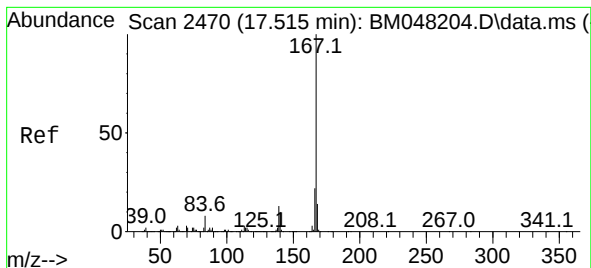
Ion Ratio Lower Upper

178 100

176 18.6 14.8 22.2

179 15.1 12.2 18.2





#73

Carbazole

Concen: 7.771 ng

RT: 17.510 min Scan# 2469

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

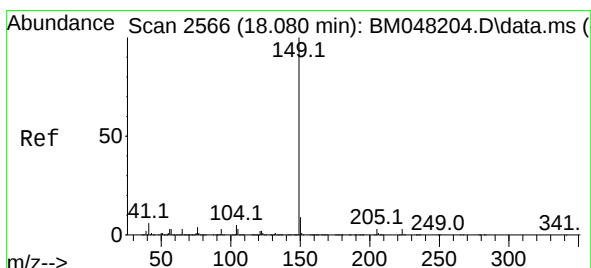
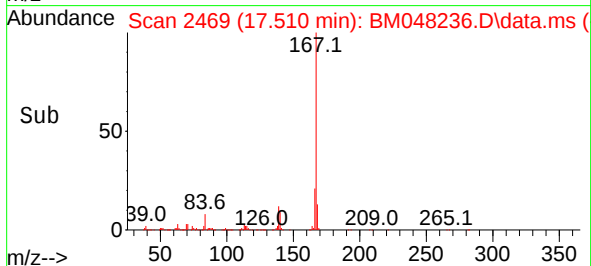
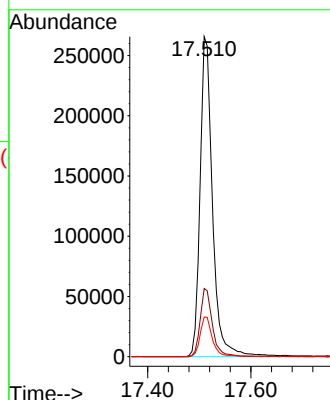
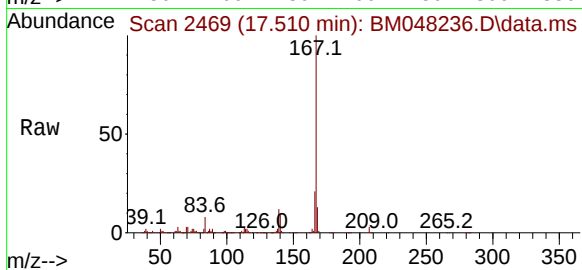
Tgt Ion:167 Resp: 443170

Ion Ratio Lower Upper

167 100

166 21.3 17.2 25.8

139 12.4 10.4 15.6



#74

Di-n-butylphthalate

Concen: 7.400 ng

RT: 18.074 min Scan# 2565

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

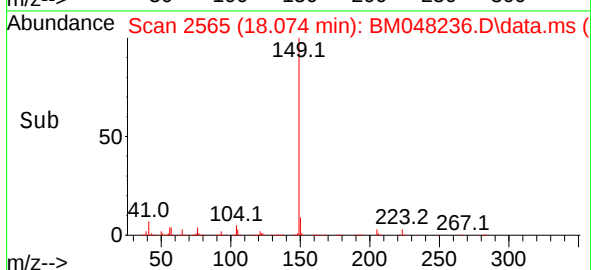
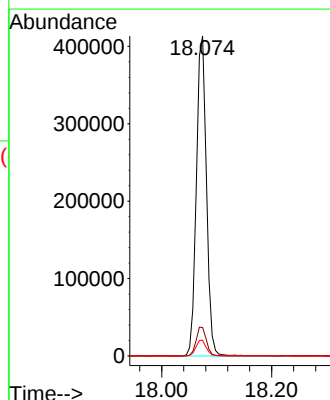
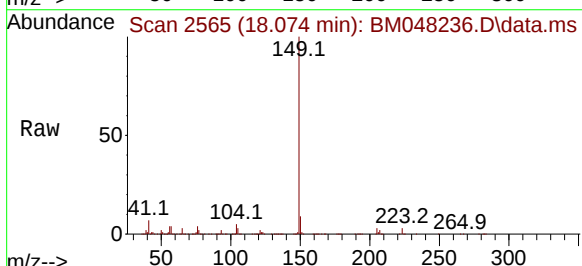
Tgt Ion:149 Resp: 525250

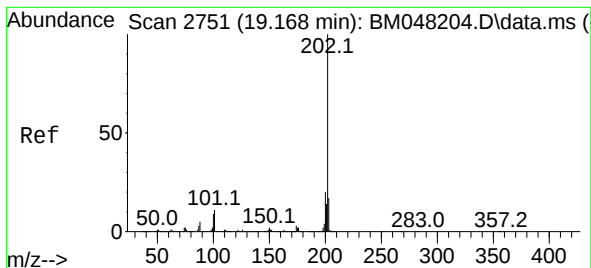
Ion Ratio Lower Upper

149 100

150 8.9 7.2 10.8

104 4.9 3.8 5.6





#75

Fluoranthene

Concen: 7.609 ng

RT: 19.162 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

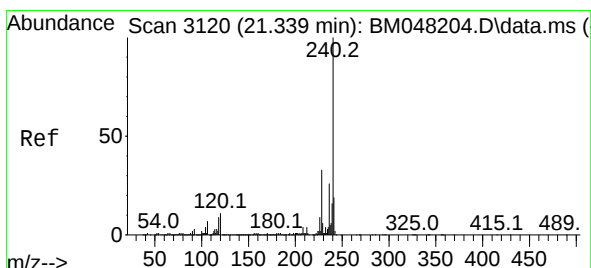
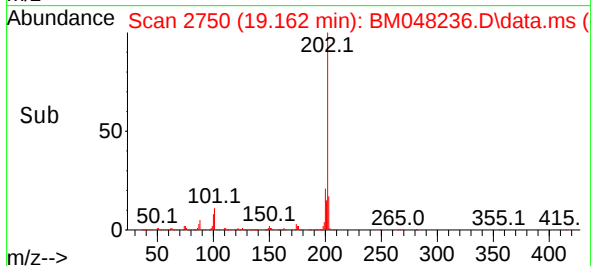
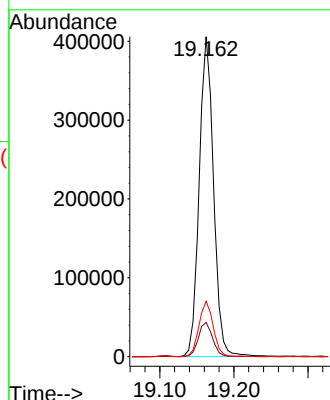
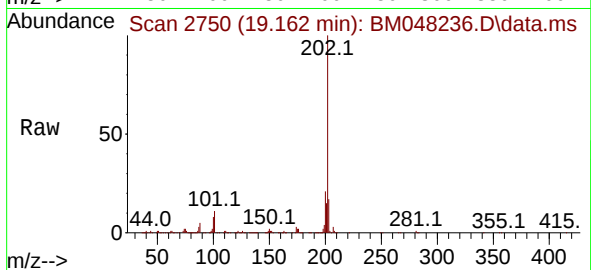
Tgt Ion:202 Resp: 545405

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.0

203 17.4 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.327 min Scan# 3118

Delta R.T. -0.012 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

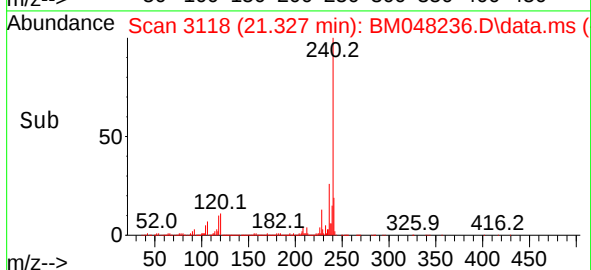
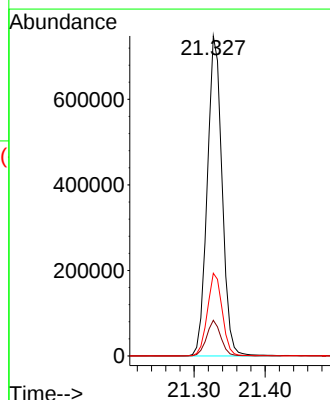
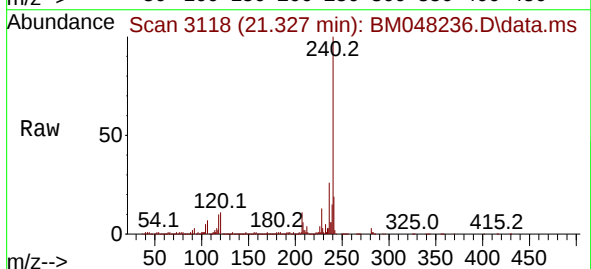
Tgt Ion:240 Resp: 1085827

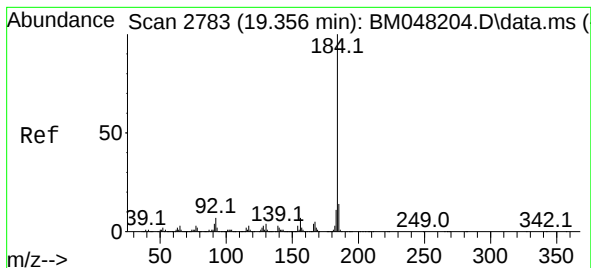
Ion Ratio Lower Upper

240 100

120 11.1 8.6 13.0

236 25.8 20.7 31.1





#77

Benzidine

Concen: 10.561 ng

RT: 19.357 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

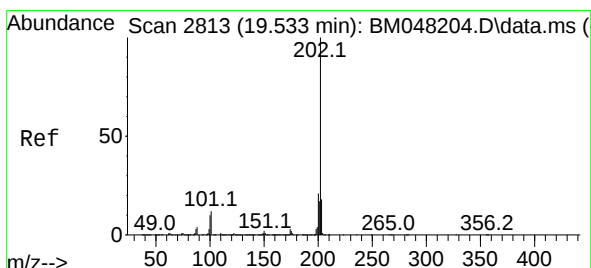
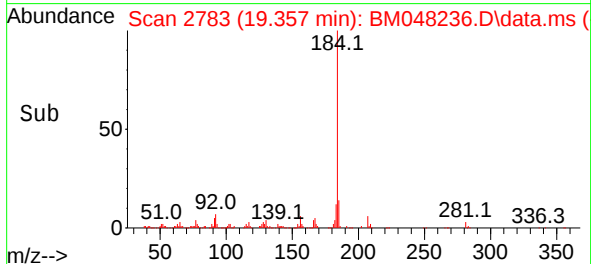
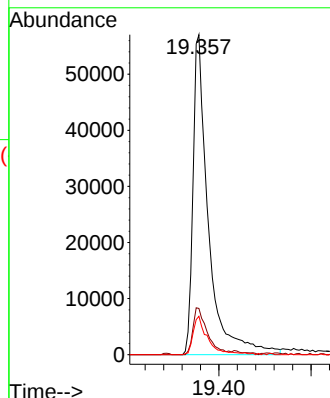
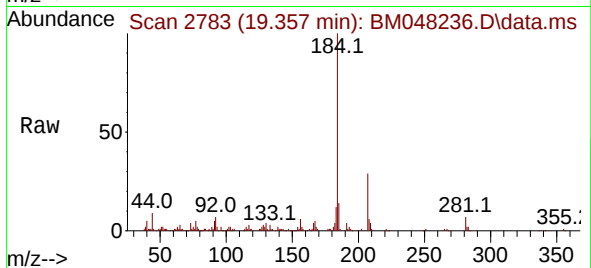
Tgt Ion:184 Resp: 132340

Ion Ratio Lower Upper

184 100

185 14.5 11.4 17.0

183 12.0 9.0 13.4



#78

Pyrene

Concen: 8.070 ng

RT: 19.527 min Scan# 2812

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

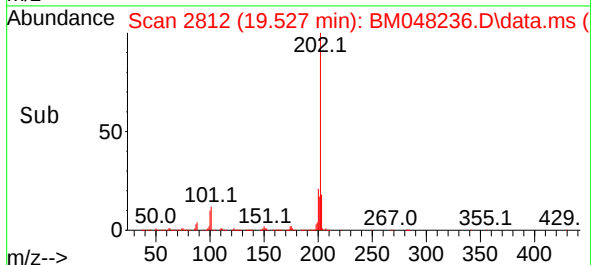
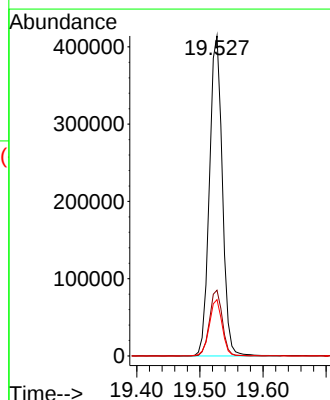
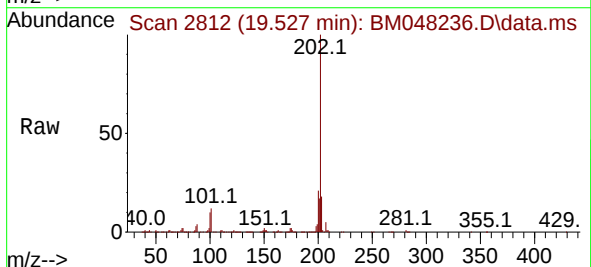
Tgt Ion:202 Resp: 586500

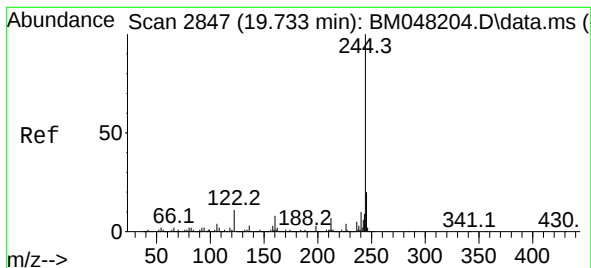
Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

203 17.6 14.1 21.1





#79

Terphenyl-d14

Concen: 80.450 ng

RT: 19.727 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

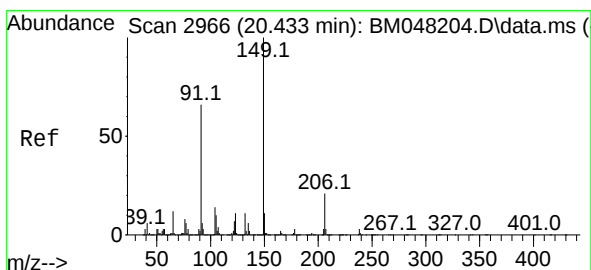
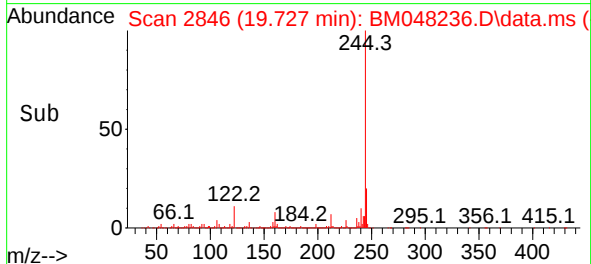
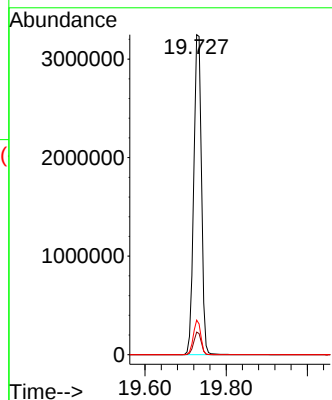
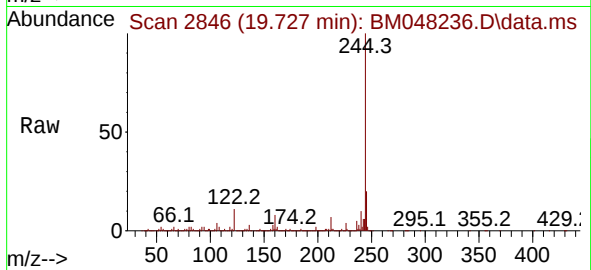
Tgt Ion:244 Resp: 4280539

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 10.8 8.8 13.2



#80

Butylbenzylphthalate

Concen: 7.229 ng

RT: 20.421 min Scan# 2964

Delta R.T. -0.012 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

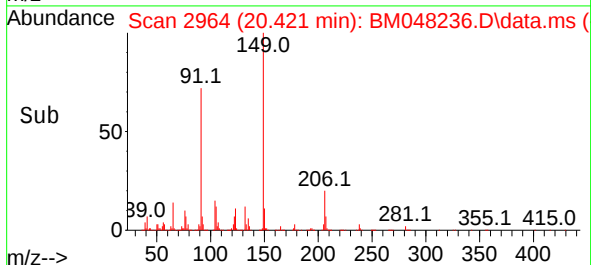
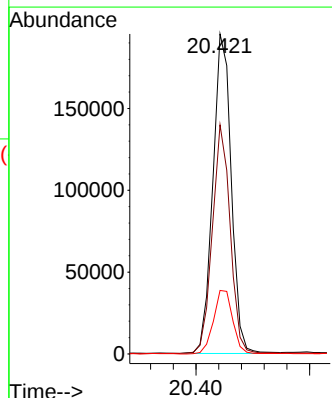
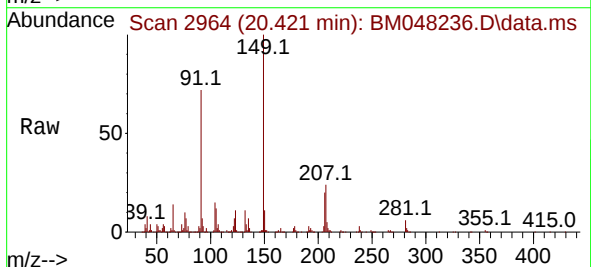
Tgt Ion:149 Resp: 219715

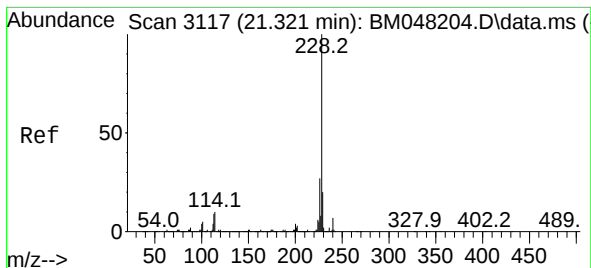
Ion Ratio Lower Upper

149 100

91 71.6 52.5 78.7

206 19.8 17.0 25.6





#81

Benzo(a)anthracene

Concen: 8.169 ng

RT: 21.309 min Scan# 3115

Delta R.T. -0.012 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

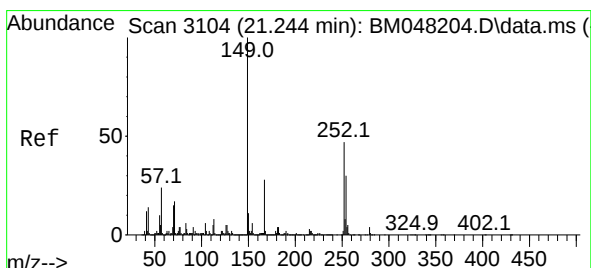
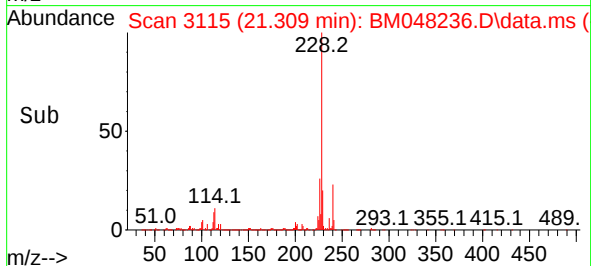
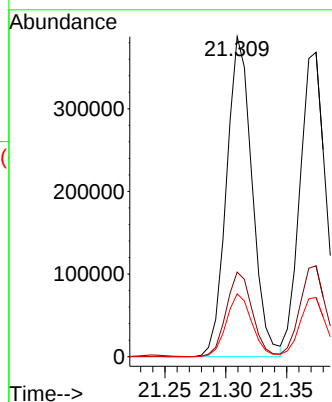
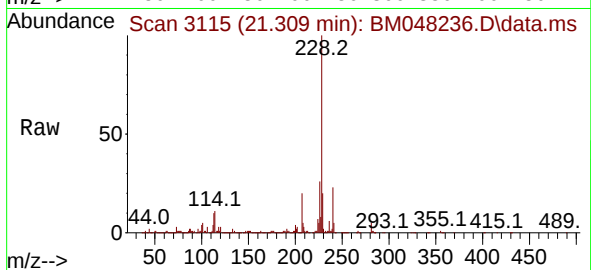
Tgt Ion:228 Resp: 566812

Ion Ratio Lower Upper

228 100

226 26.4 21.5 32.3

229 19.7 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 7.936 ng

RT: 21.239 min Scan# 3103

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

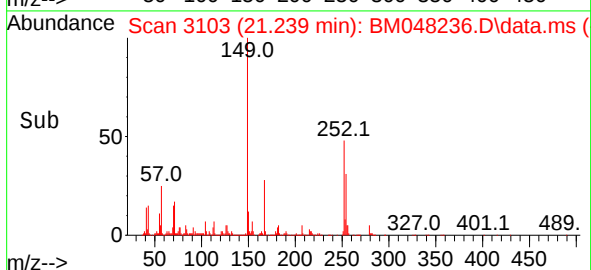
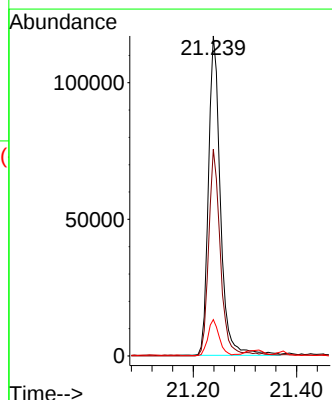
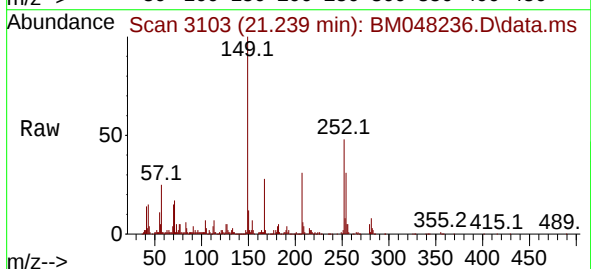
Tgt Ion:252 Resp: 188618

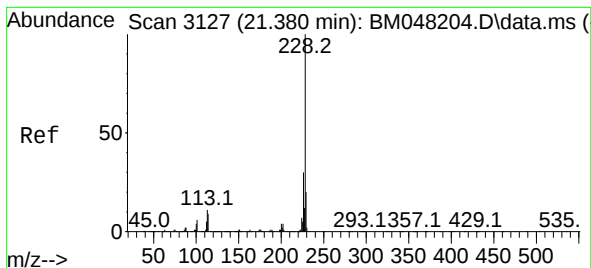
Ion Ratio Lower Upper

252 100

254 64.6 51.8 77.8

126 11.3 8.8 13.2





#83

Chrysene

Concen: 8.250 ng

RT: 21.374 min Scan# 3127

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

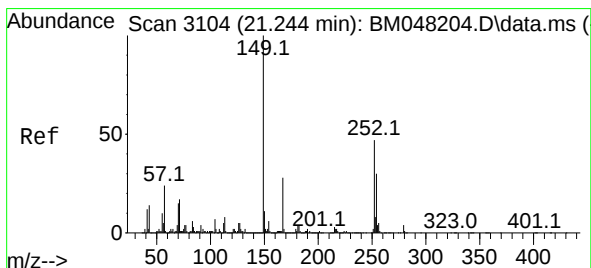
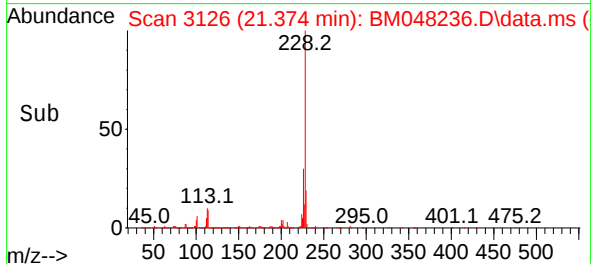
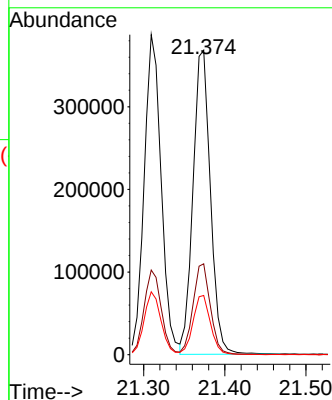
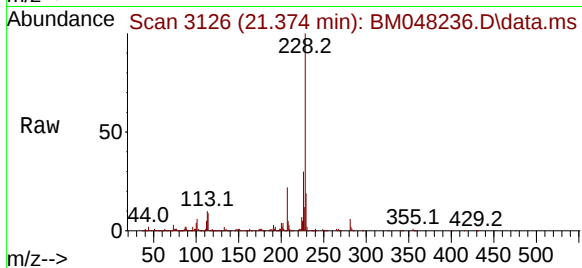
Tgt Ion:228 Resp: 549478

Ion Ratio Lower Upper

228 100

226 29.9 23.5 35.3

229 19.4 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.468 ng

RT: 21.233 min Scan# 3102

Delta R.T. -0.012 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

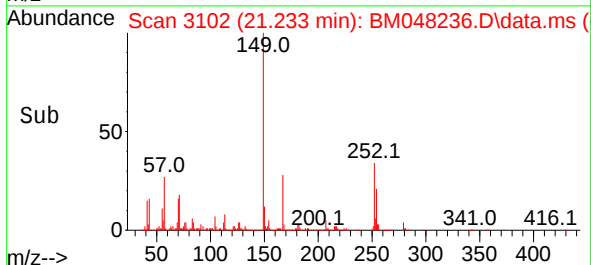
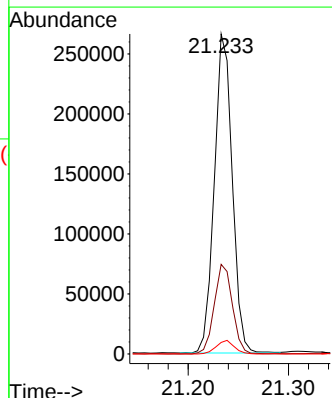
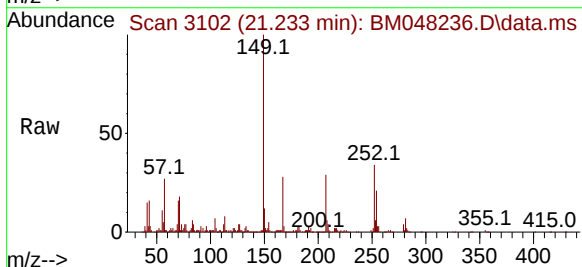
Tgt Ion:149 Resp: 329863

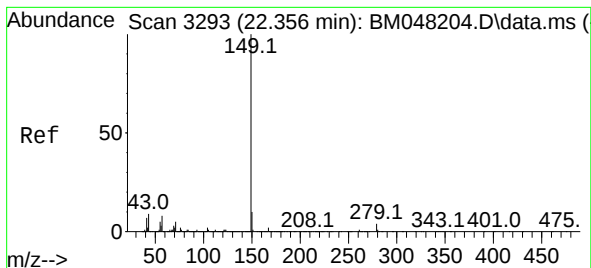
Ion Ratio Lower Upper

149 100

167 28.0 22.5 33.7

279 3.6 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 6.695 ng

RT: 22.345 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

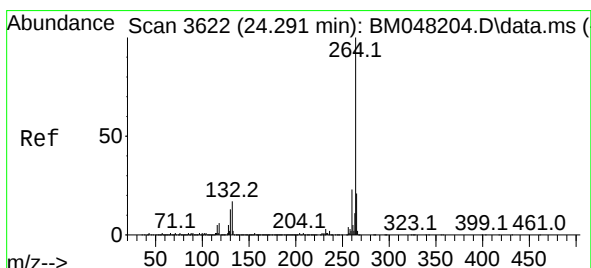
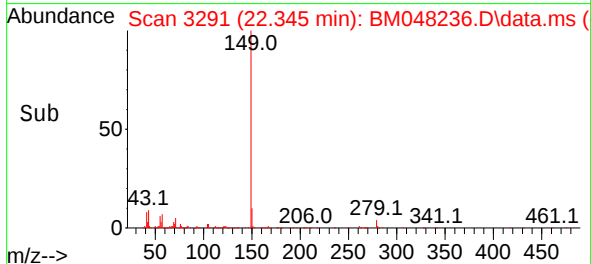
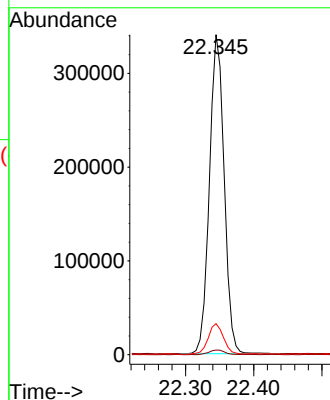
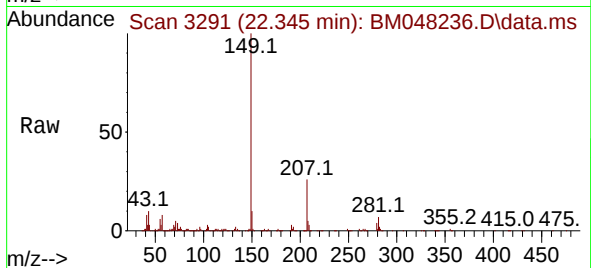
Tgt Ion:149 Resp: 512221

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 9.8 7.3 10.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.280 min Scan# 3620

Delta R.T. -0.012 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

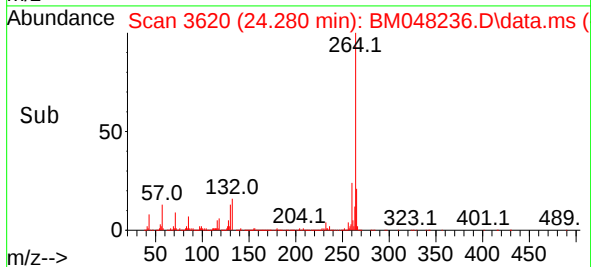
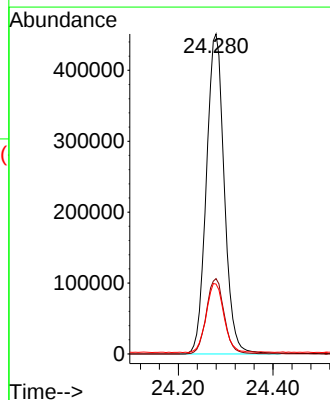
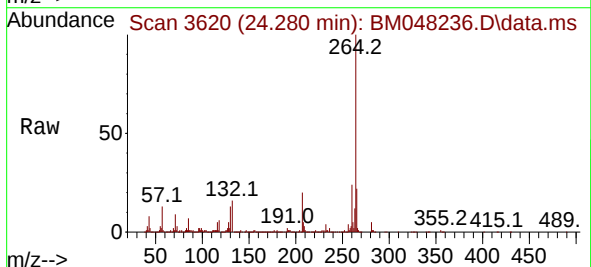
Tgt Ion:264 Resp: 1182885

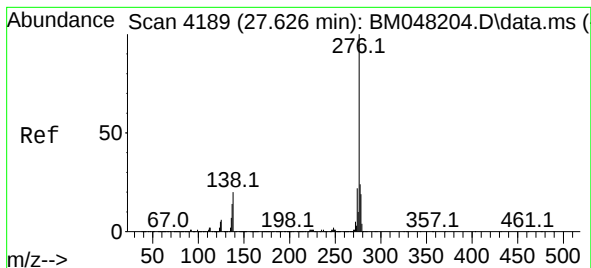
Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 21.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.331 ng

RT: 27.597 min Scan# 41

Delta R.T. -0.029 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

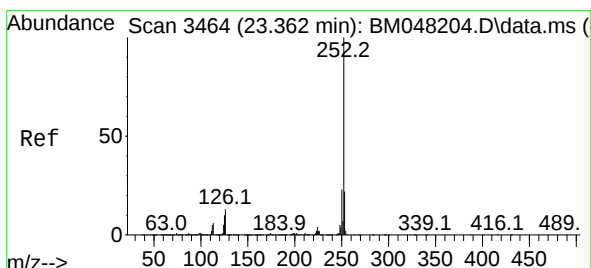
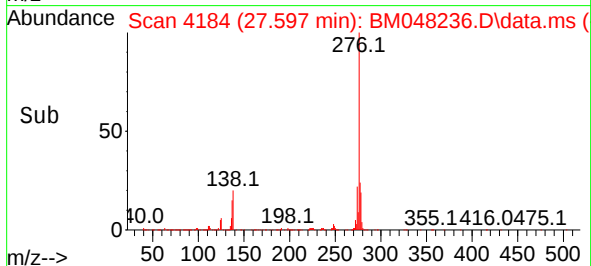
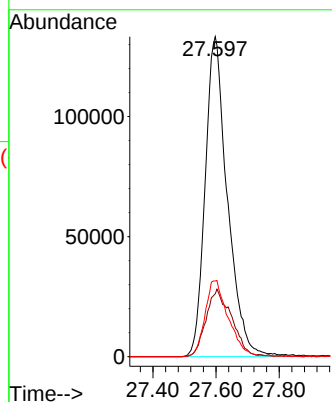
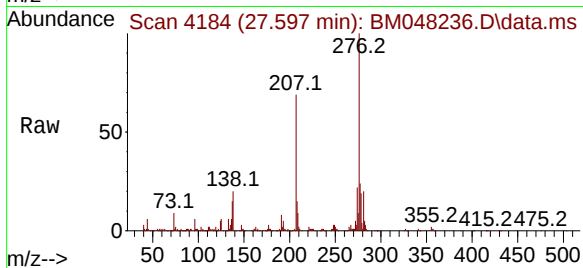
Tgt Ion:276 Resp: 651633

Ion Ratio Lower Upper

276 100

138 24.1 19.8 29.6

277 25.2 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 7.994 ng

RT: 23.345 min Scan# 3461

Delta R.T. -0.017 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

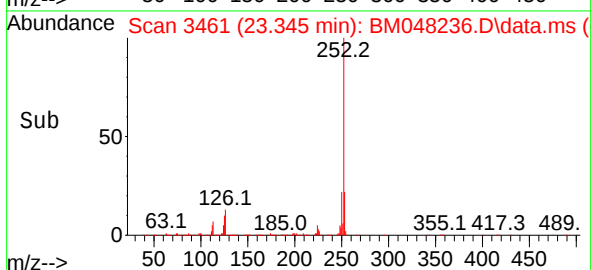
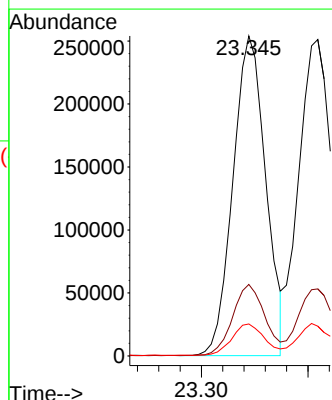
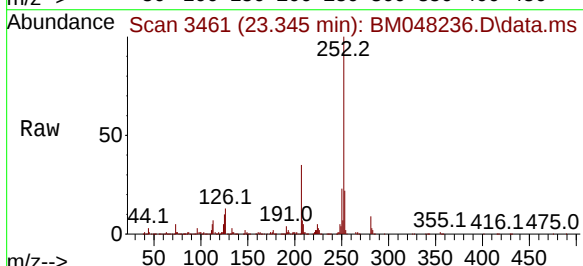
Tgt Ion:252 Resp: 542202

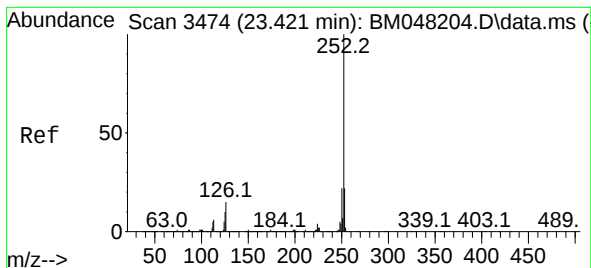
Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

125 10.0 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 8.629 ng

RT: 23.409 min Scan# 3474

Delta R.T. -0.012 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

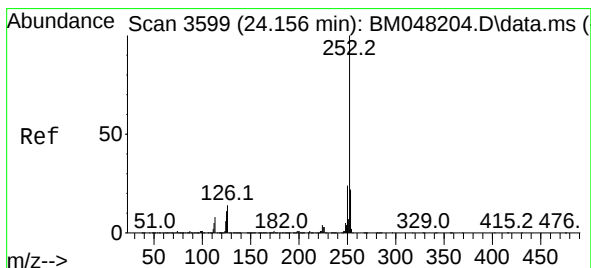
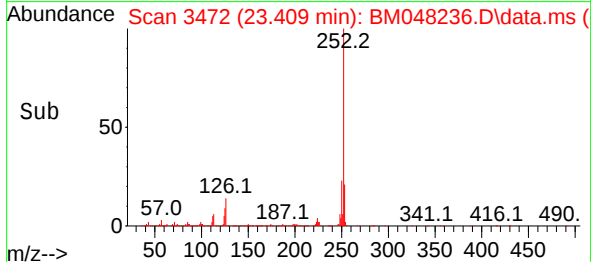
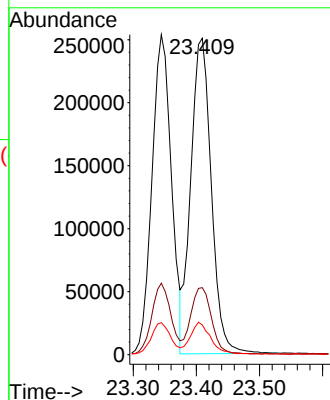
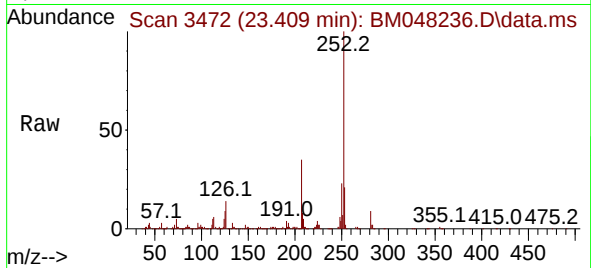
Tgt Ion:252 Resp: 565806

Ion Ratio Lower Upper

252 100

253 21.2 17.8 26.8

125 9.4 7.8 11.6



#90

Benzo(a)pyrene

Concen: 8.373 ng

RT: 24.139 min Scan# 3596

Delta R.T. -0.017 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

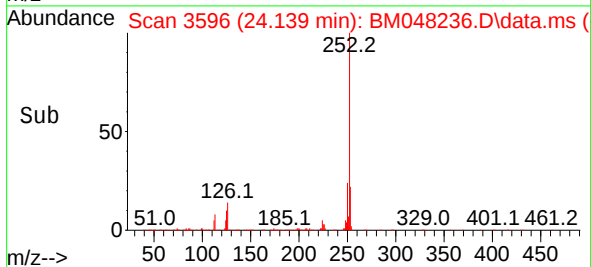
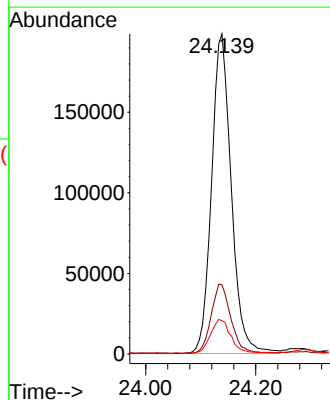
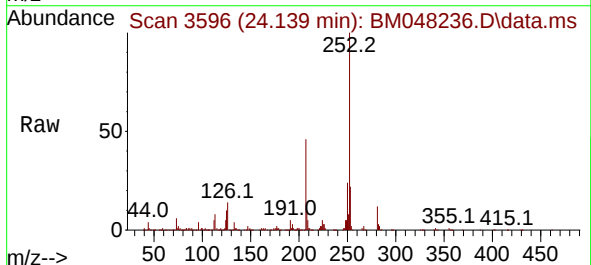
Tgt Ion:252 Resp: 493703

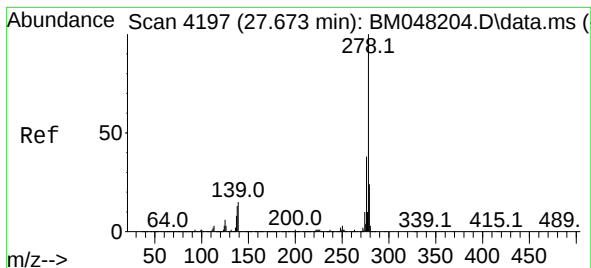
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 10.4 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 8.291 ng

RT: 27.644 min Scan# 41

Delta R.T. -0.029 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

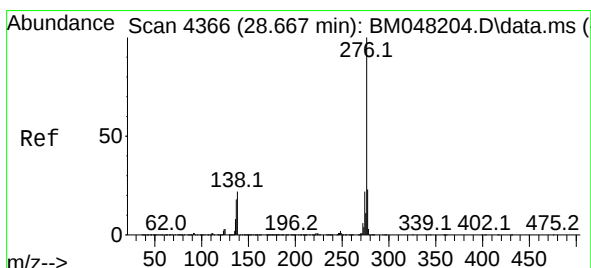
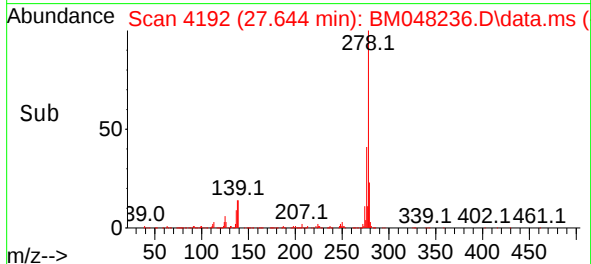
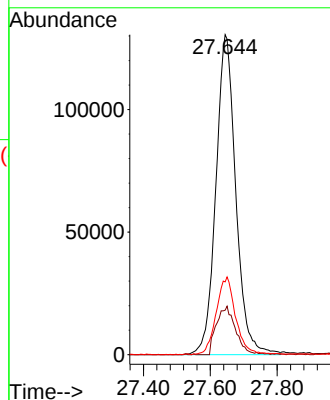
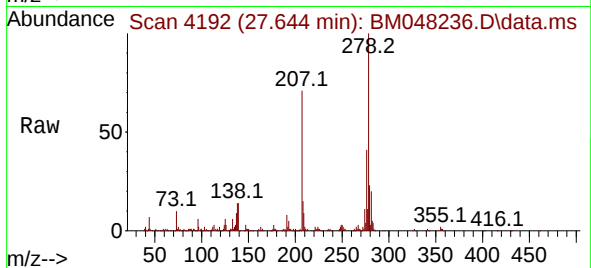
Tgt Ion:278 Resp: 540054

Ion Ratio Lower Upper

278 100

139 13.9 12.2 18.4

279 22.8 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 7.721 ng

RT: 28.632 min Scan# 4360

Delta R.T. -0.035 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Tgt Ion:276 Resp: 514981

Ion Ratio Lower Upper

276 100

277 24.5 18.5 27.7

138 20.6 17.5 26.3

