

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
 Data File : BM048235.D
 Acq On : 25 Oct 2024 14:17
 Operator : RC/JU
 Sample : P4368-03
 Misc : MDL-MDL-SOIL-4 ng
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Oct 25 15:37:43 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	304315	20.000	ng	0.00
21) Naphthalene-d8	10.504	136	1250763	20.000	ng	-0.01
39) Acenaphthene-d10	14.363	164	802338	20.000	ng	0.00
64) Phenanthrene-d10	17.104	188	1572652	20.000	ng	0.00
76) Chrysene-d12	21.327	240	1387154	20.000	ng	-0.01
86) Perylene-d12	24.280	264	1501452	20.000	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.304	112	1913150	105.677	ng	0.00
7) Phenol-d6	6.898	99	2538629	107.674	ng	0.00
23) Nitrobenzene-d5	8.875	82	1658884	74.887	ng	0.00
42) 2,4,6-Tribromophenol	15.851	330	1014740	103.327	ng	0.00
45) 2-Fluorobiphenyl	12.980	172	3707324	70.904	ng	0.00
79) Terphenyl-d14	19.733	244	4430772	65.184	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.204	88	26656	3.597	ng	97
3) Pyridine	3.616	79	57541	2.923	ng	# 95
4) n-Nitrosodimethylamine	3.516	42	29298	3.505	ng	# 87
6) Aniline	7.051	93	86774	4.434	ng	97
8) 2-Chlorophenol	7.287	128	72192	3.670	ng	97
9) Benzaldehyde	6.857	77	64637	5.580	ng	93
10) Phenol	6.922	94	85583	3.608	ng	89
11) bis(2-Chloroethyl)ether	7.145	93	71003	3.758	ng	100
12) 1,3-Dichlorobenzene	7.604	146	81047	3.574	ng	98
13) 1,4-Dichlorobenzene	7.751	146	81984	3.559	ng	100
14) 1,2-Dichlorobenzene	8.069	146	78643	3.532	ng	97
15) Benzyl Alcohol	7.963	79	51619	3.432	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.239	45	107062	3.874	ng	98
17) 2-Methylphenol	8.169	107	51159	3.246	ng	97
18) Hexachloroethane	8.792	117	29190	3.457	ng	96
19) n-Nitroso-di-n-propyla...	8.522	70	51128	3.428	ng	97
20) 3+4-Methylphenols	8.498	107	68064	3.117	ng	96
22) Acetophenone	8.539	105	107919	3.535	ng	# 98
24) Nitrobenzene	8.916	77	83611	3.643	ng	96
25) Isophorone	9.445	82	133834	3.296	ng	99
26) 2-Nitrophenol	9.628	139	30918	2.917	ng	94
27) 2,4-Dimethylphenol	9.698	122	27022	2.102	ng	94
28) bis(2-Chloroethoxy)met...	9.922	93	85355	3.322	ng	97
29) 2,4-Dichlorophenol	10.175	162	56626	3.062	ng	97
30) 1,2,4-Trichlorobenzene	10.375	180	73285	3.460	ng	99
31) Naphthalene	10.557	128	225686	3.460	ng	99
33) 4-Chloroaniline	10.680	127	72734	3.438	ng	97
34) Hexachlorobutadiene	10.845	225	44086	3.358	ng	100
35) Caprolactam	11.457	113	15800	2.630	ng	95
36) 4-Chloro-3-methylphenol	11.810	107	56709	2.937	ng	94
37) 2-Methylnaphthalene	12.174	142	145641	3.341	ng	98
38) 1-Methylnaphthalene	12.392	142	139971	3.239	ng	99
40) 1,2,4,5-Tetrachloroben...	12.551	216	78559	3.426	ng	98
43) 2,4,6-Trichlorophenol	12.792	196	45242	2.973	ng	97
44) 2,4,5-Trichlorophenol	12.874	196	50270	2.962	ng	96
46) 1,1'-Biphenyl	13.192	154	206192	3.599	ng	98

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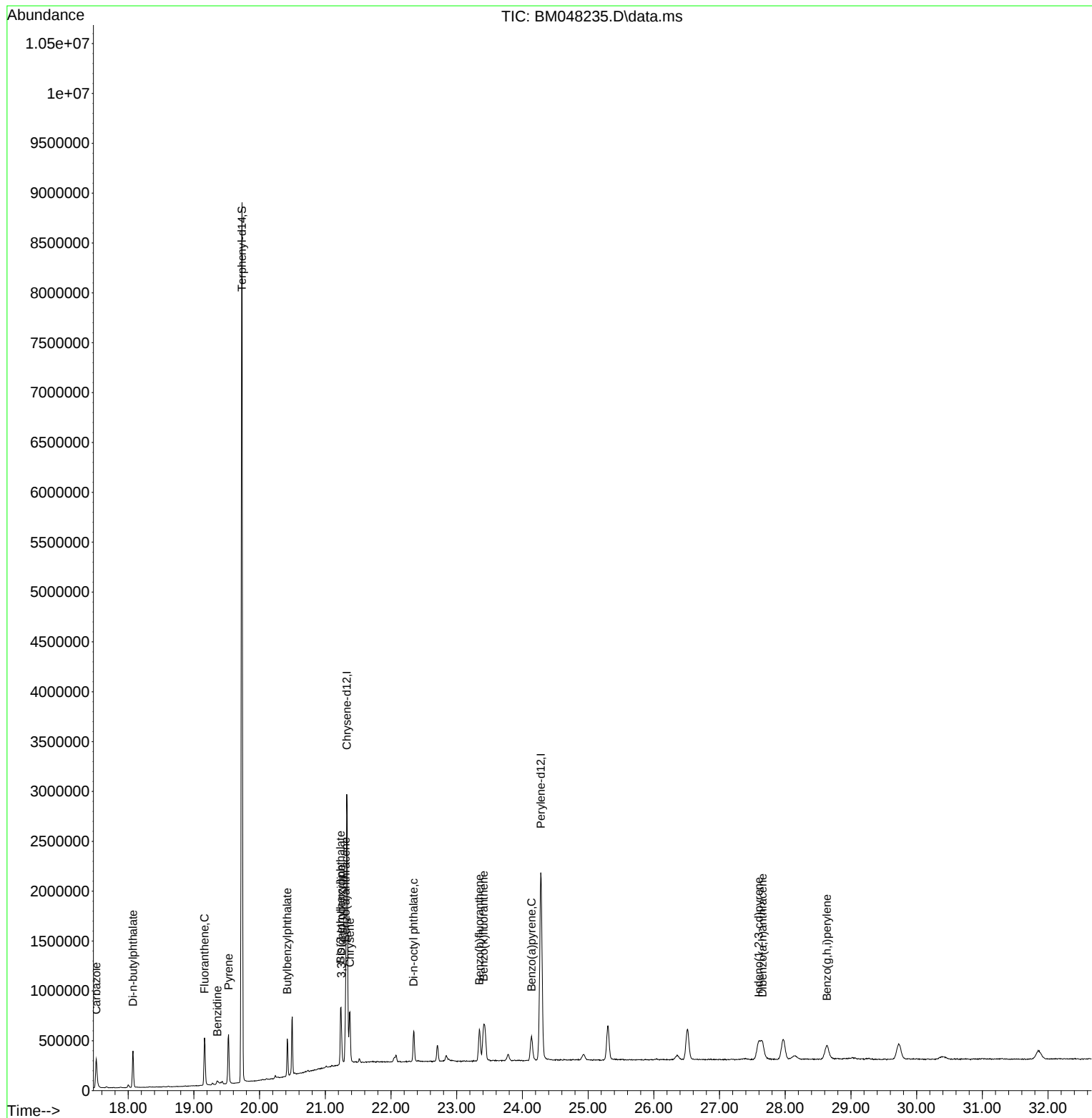
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	13.233	162	149411	3.308	ng	98
48) 2-Nitroaniline	13.445	65	33644	2.746	ng	91
49) Acenaphthylene	14.080	152	228738	3.471	ng	100
50) Dimethylphthalate	13.821	163	178689	3.262	ng	99
51) 2,6-Dinitrotoluene	13.939	165	34974	2.862	ng	90
52) Acenaphthene	14.427	154	140453	3.354	ng	99
53) 3-Nitroaniline	14.280	138	29932	2.597	ng #	92
55) Dibenzofuran	14.763	168	229366	3.448	ng	100
57) 2,4-Dinitrotoluene	14.739	165	41191	2.552	ng	94
58) Fluorene	15.410	166	176864	3.362	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.992	232	45618	3.243	ng	99
60) Diethylphthalate	15.186	149	173897	3.136	ng	98
61) 4-Chlorophenyl-phenyle...	15.404	204	89704	3.411	ng	97
62) 4-Nitroaniline	15.439	138	26982	2.262	ng	92
63) Azobenzene	15.698	77	157880	3.176	ng	99
65) 4,6-Dinitro-2-methylph...	15.504	198	18982	2.080	ng	91
66) n-Nitrosodiphenylamine	15.621	169	142186	3.293	ng	99
67) 4-Bromophenyl-phenylether	16.298	248	52568	3.297	ng	96
68) Hexachlorobenzene	16.415	284	64305	3.358	ng	99
69) Atrazine	16.574	200	47714	3.950	ng	98
70) Pentachlorophenol	16.768	266	32464	2.582	ng	97
71) Phenanthrene	17.145	178	274126	3.520	ng	99
72) Anthracene	17.239	178	245854	3.261	ng	100
73) Carbazole	17.515	167	227146	3.074	ng	98
74) Di-n-butylphthalate	18.074	149	270595	2.942	ng	99
75) Fluoranthene	19.162	202	292084	3.144	ng	99
77) Benzidine	19.356	184	36772	2.297	ng #	94
78) Pyrene	19.527	202	306418	3.300	ng	99
80) Butylbenzylphthalate	20.421	149	106343	2.739	ng	93
81) Benzo(a)anthracene	21.309	228	299845	3.383	ng	100
82) 3,3'-Dichlorobenzidine	21.244	252	87910	2.895	ng	95
83) Chrysene	21.374	228	291311	3.424	ng	99
84) Bis(2-ethylhexyl)phtha...	21.233	149	159647	2.829	ng	99
85) Di-n-octyl phthalate	22.344	149	235728	2.412	ng #	94
87) Indeno(1,2,3-cd)pyrene	27.597	276	327561	3.299	ng	99
88) Benzo(b)fluoranthene	23.344	252	280420	3.257	ng	99
89) Benzo(k)fluoranthene	23.409	252	281963	3.388	ng	99
90) Benzo(a)pyrene	24.138	252	247747	3.310	ng	98
91) Dibenzo(a,h)anthracene	27.656	278	267676	3.237	ng	97
92) Benzo(g,h,i)perylene	28.632	276	256082	3.025	ng	100

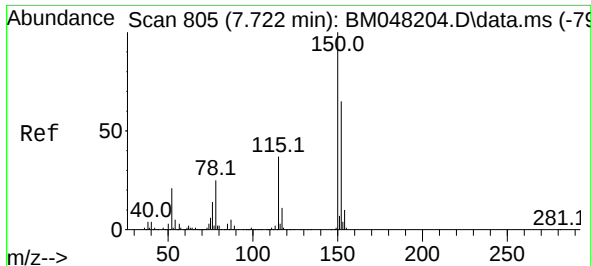
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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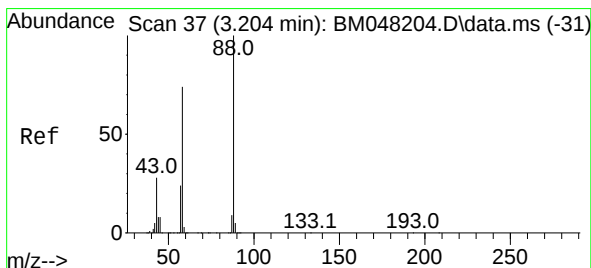
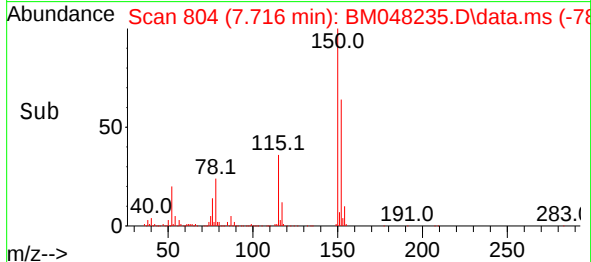
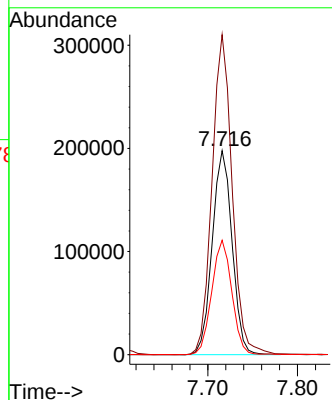
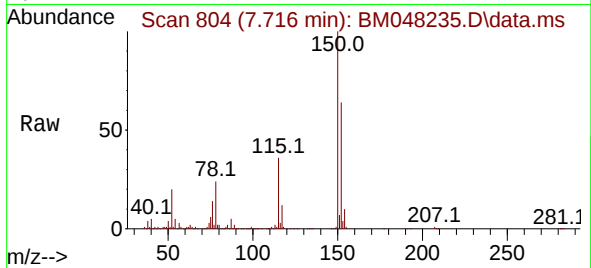




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.716 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM048235.D
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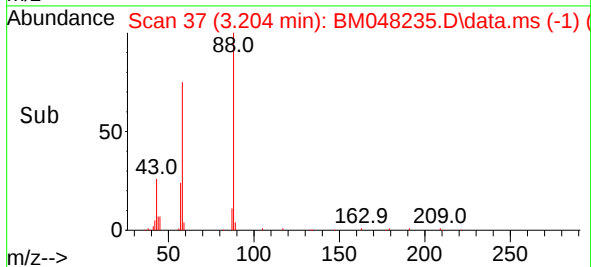
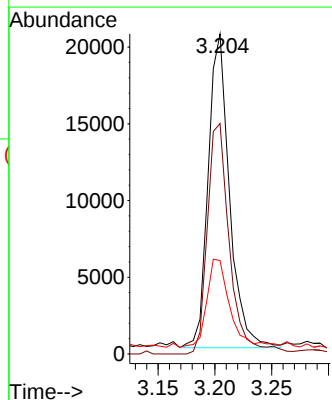
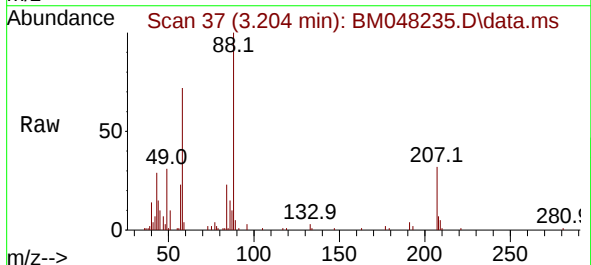
Instrument :
BNA_M
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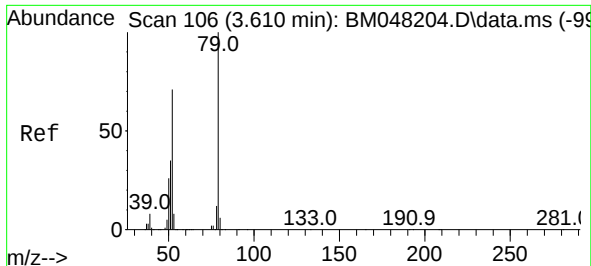
Tgt Ion:152 Resp: 304315
Ion Ratio Lower Upper
152 100
150 156.8 123.0 184.6
115 56.0 45.8 68.6



#2
1,4-Dioxane
Concen: 3.597 ng
RT: 3.204 min Scan# 37
Delta R.T. 0.000 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Tgt Ion: 88 Resp: 26656
Ion Ratio Lower Upper
88 100
58 76.7 59.7 89.5
43 31.2 22.6 33.8

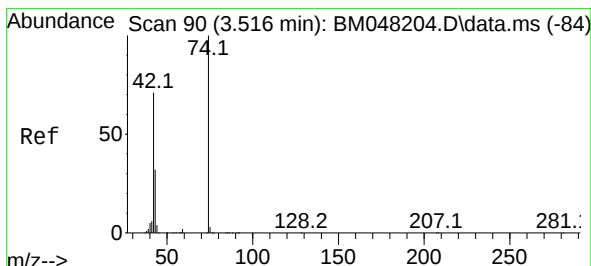
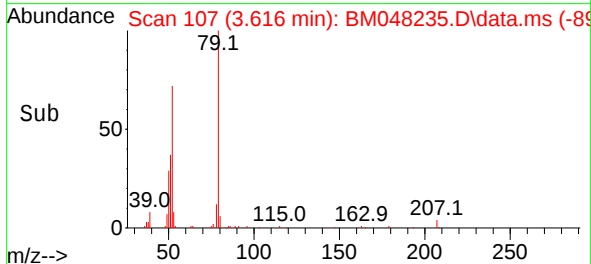
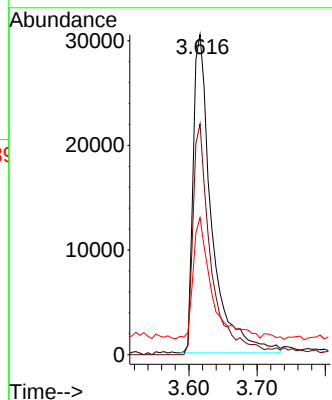
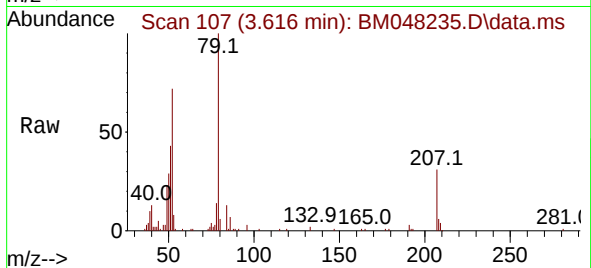




#3
Pyridine
Concen: 2.923 ng
RT: 3.616 min Scan# 106
Delta R.T. 0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

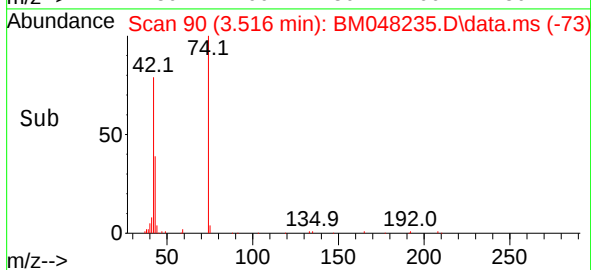
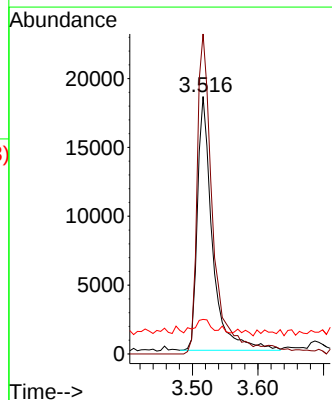
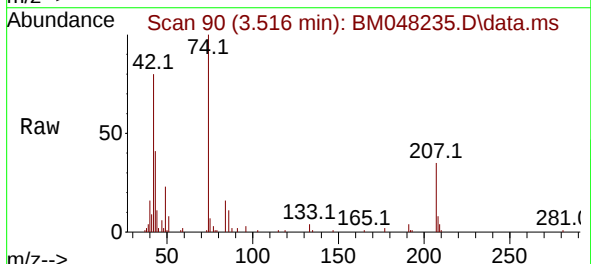
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT4-2024

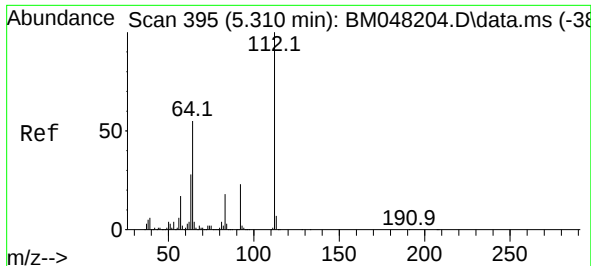
Tgt Ion: 79 Resp: 57541
Ion Ratio Lower Upper
79 100
52 72.1 56.5 84.7
51 42.8 28.5 42.7#



#4
n-Nitrosodimethylamine
Concen: 3.505 ng
RT: 3.516 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Tgt Ion: 42 Resp: 29298
Ion Ratio Lower Upper
42 100
74 124.3 111.8 167.6
44 13.4 6.0 9.0#

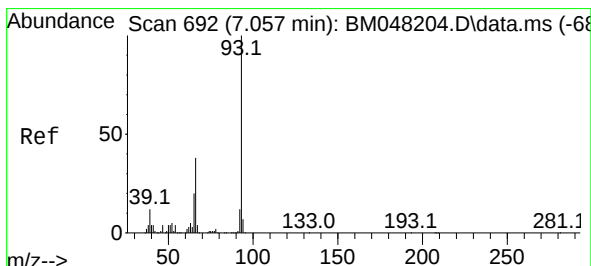
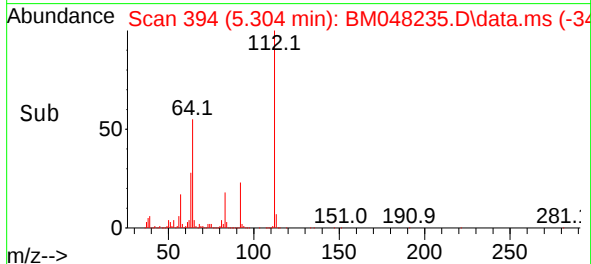
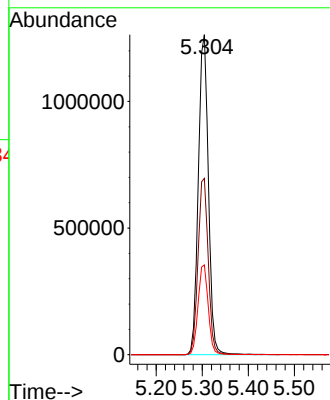
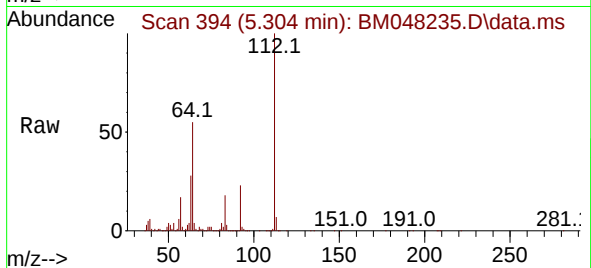




#5
2-Fluorophenol
Concen: 105.677 ng
RT: 5.304 min Scan# 394
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

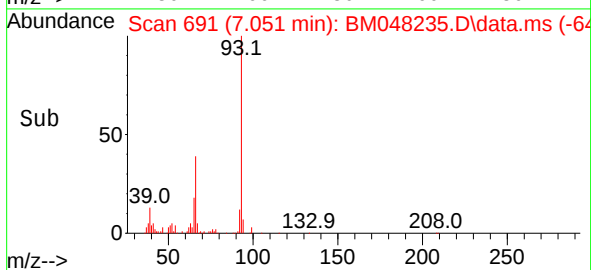
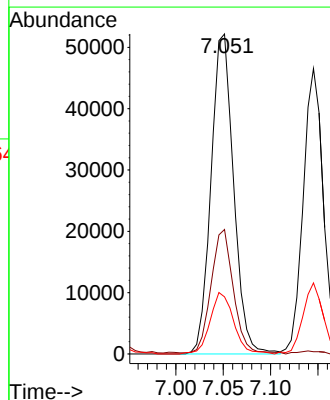
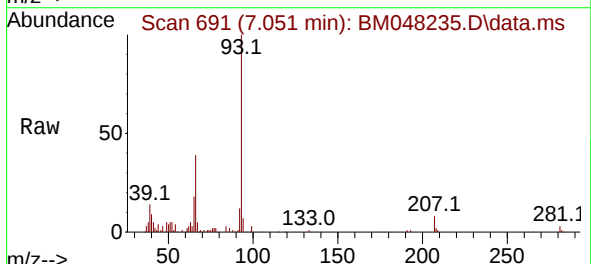
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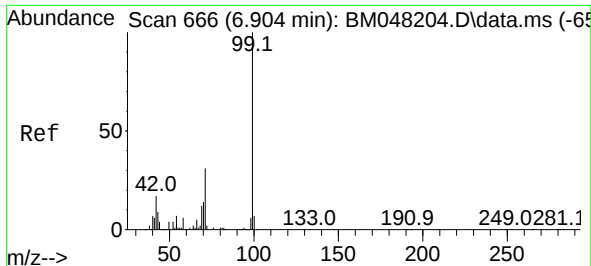
Tgt Ion:112 Resp: 1913150
Ion Ratio Lower Upper
112 100
64 55.1 44.2 66.2
63 28.0 22.7 34.1



#6
Aniline
Concen: 4.434 ng
RT: 7.051 min Scan# 691
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Tgt Ion: 93 Resp: 86774
Ion Ratio Lower Upper
93 100
66 38.9 30.2 45.2
65 17.9 16.2 24.2

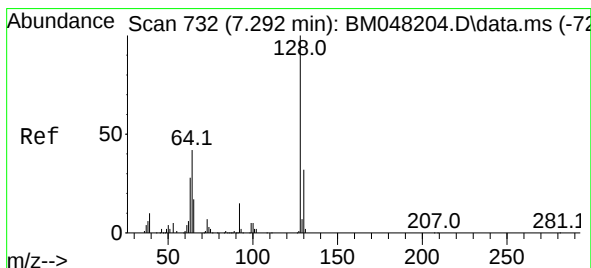
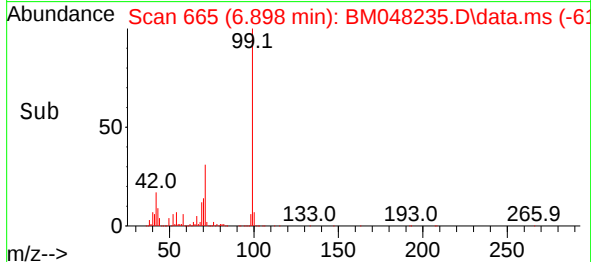
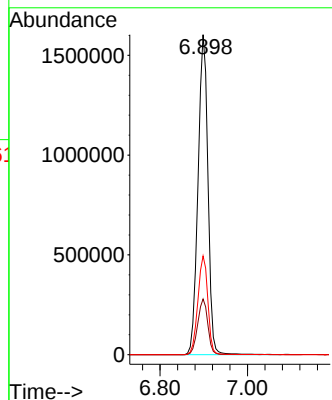
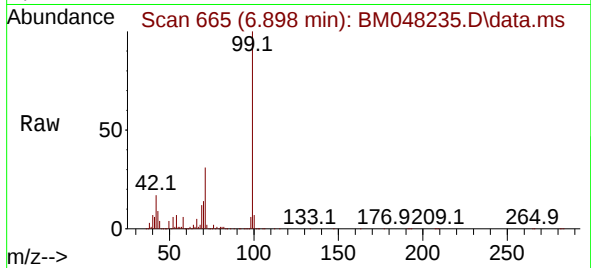




#7
Phenol-d6
Concen: 107.674 ng
RT: 6.898 min Scan# 665
Delta R.T. -0.006 min
Lab File: BM048235.D
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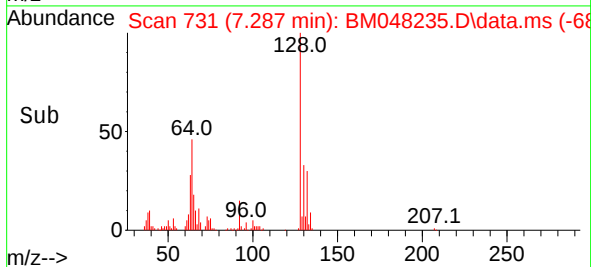
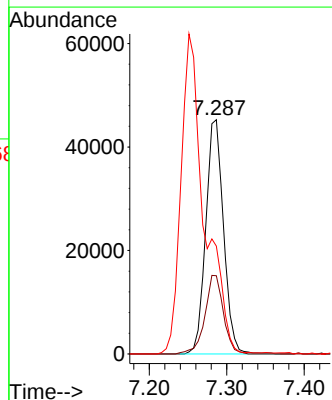
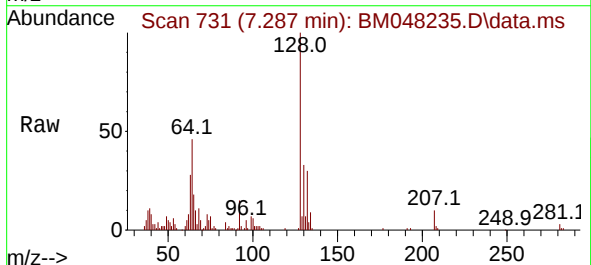
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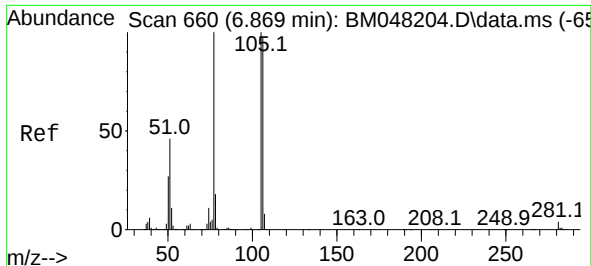
Tgt Ion: 99 Resp: 2538629
Ion Ratio Lower Upper
99 100
42 17.4 13.8 20.8
71 30.8 24.9 37.3



#8
2-Chlorophenol
Concen: 3.670 ng
RT: 7.287 min Scan# 731
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Tgt Ion: 128 Resp: 72192
Ion Ratio Lower Upper
128 100
130 33.4 12.1 52.1
64 46.0 23.8 63.8

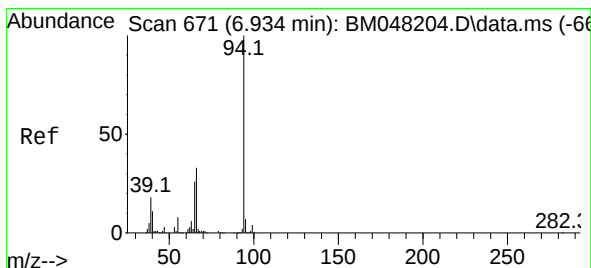
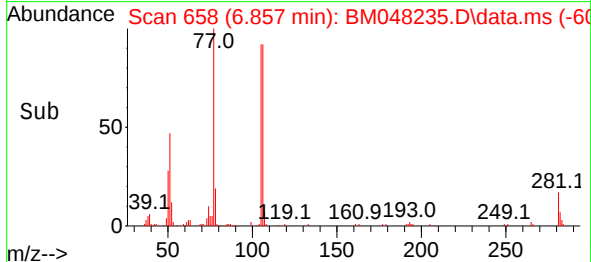
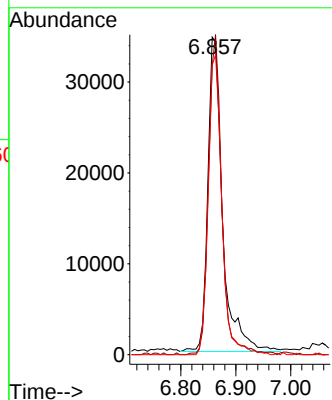
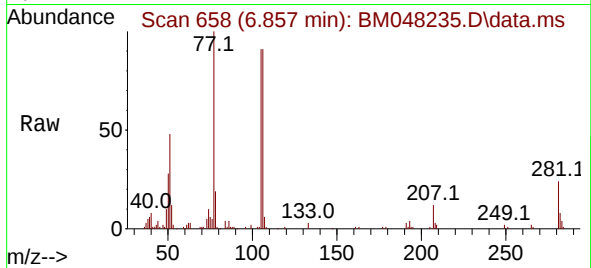




#9
Benzaldehyde
Concen: 5.580 ng
RT: 6.857 min Scan# 646
Delta R.T. -0.012 min
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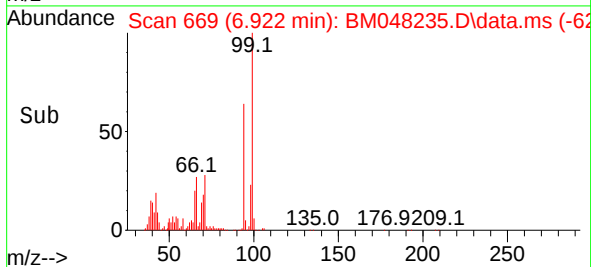
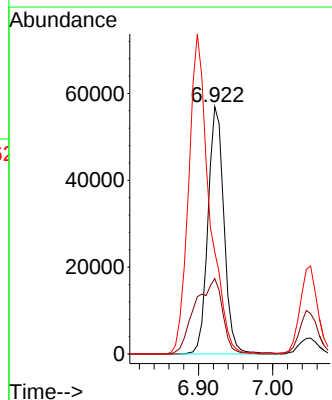
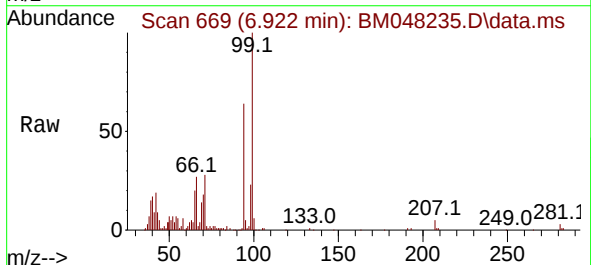
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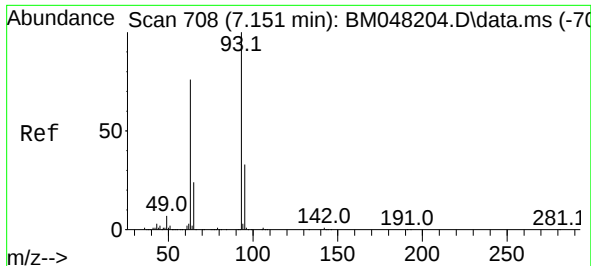
Tgt Ion: 77 Resp: 64637
Ion Ratio Lower Upper
77 100
105 90.8 79.6 119.6
106 91.2 77.0 117.0



#10
Phenol
Concen: 3.608 ng
RT: 6.922 min Scan# 669
Delta R.T. -0.012 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Tgt Ion: 94 Resp: 85583
Ion Ratio Lower Upper
94 100
65 30.5 6.5 46.5
66 41.3 13.6 53.6

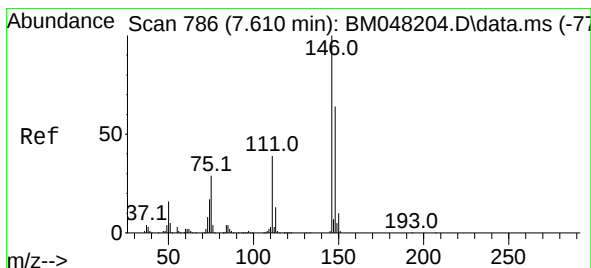
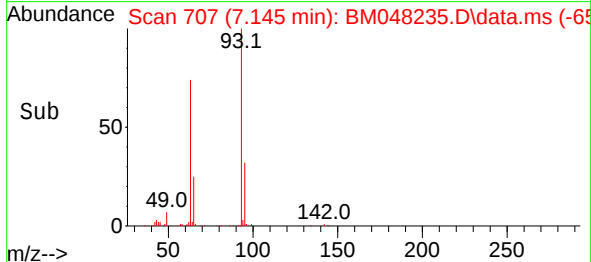
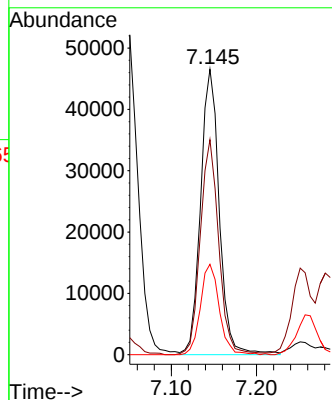
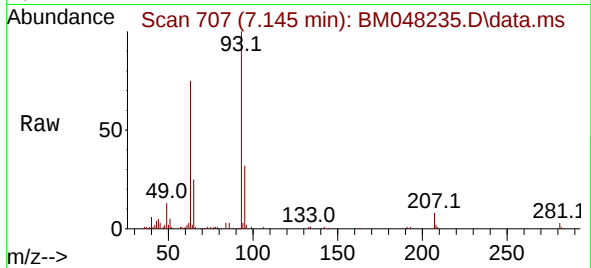




#11
bis(2-Chloroethyl)ether
Concen: 3.758 ng
RT: 7.145 min Scan# 708
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

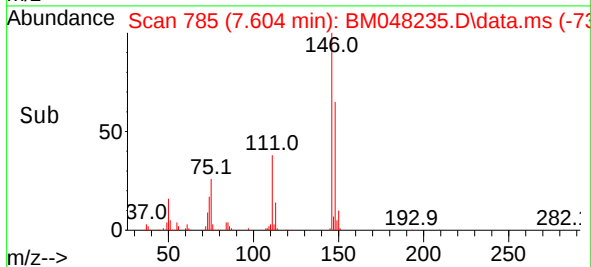
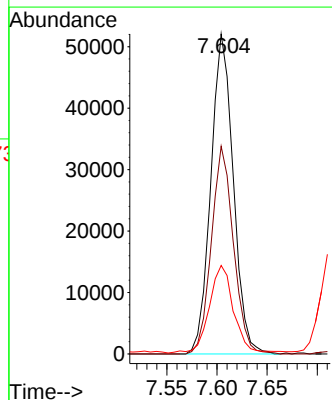
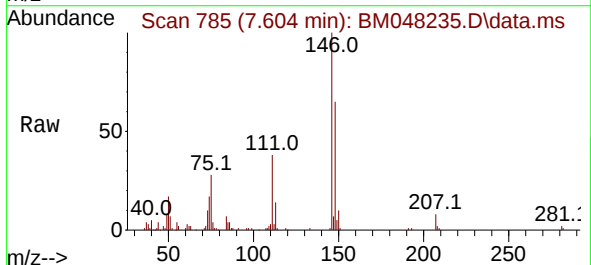
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

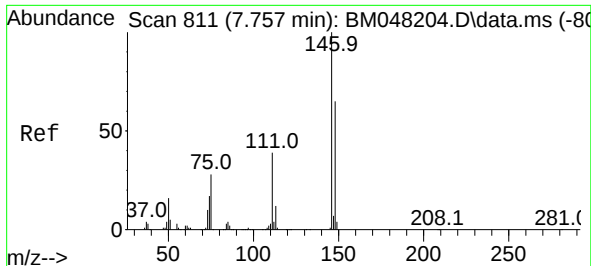
Tgt Ion: 93 Resp: 71003
Ion Ratio Lower Upper
93 100
63 75.3 55.3 95.3
95 31.7 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 3.574 ng
RT: 7.604 min Scan# 785
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Tgt Ion:146 Resp: 81047
Ion Ratio Lower Upper
146 100
148 64.9 51.0 76.6
75 27.7 22.9 34.3

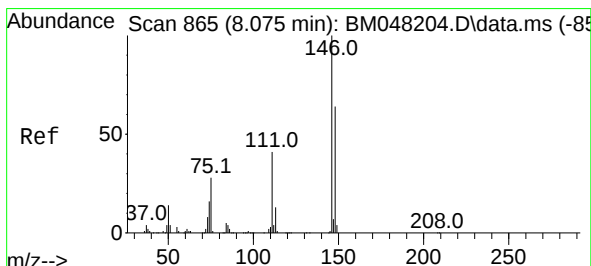
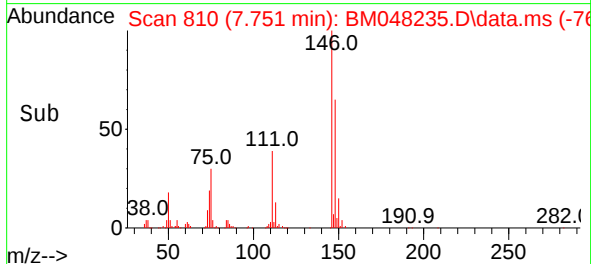
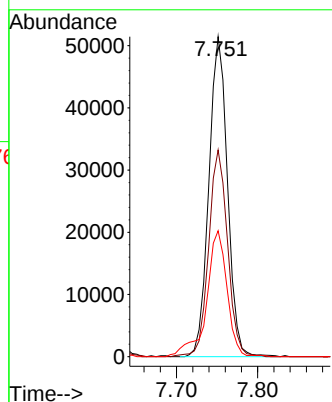
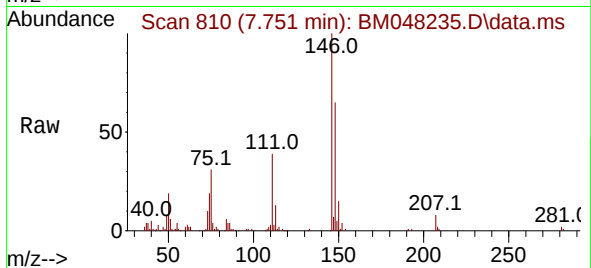




#13
1,4-Dichlorobenzene
Concen: 3.559 ng
RT: 7.751 min Scan# 811
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

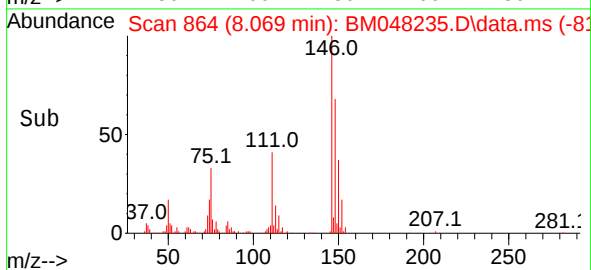
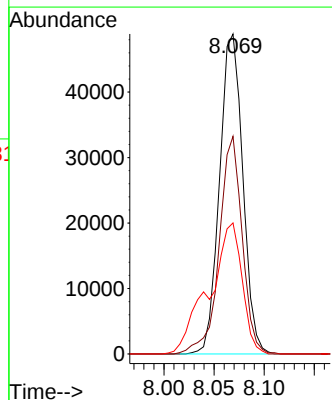
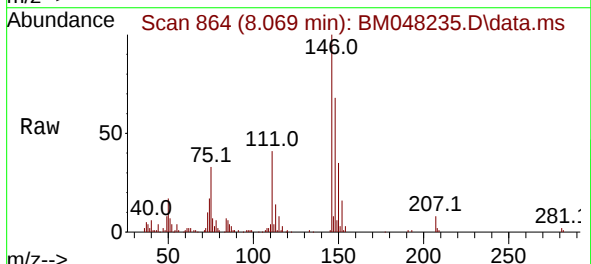
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

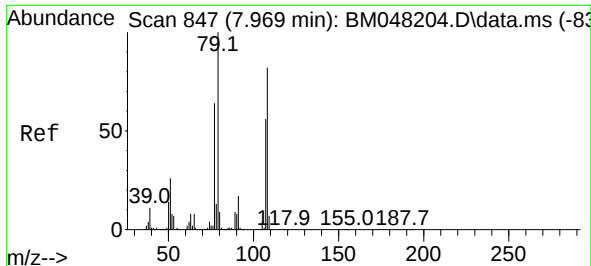
Tgt Ion:146 Resp: 81984
Ion Ratio Lower Upper
146 100
148 64.6 51.7 77.5
111 39.4 31.4 47.2



#14
1,2-Dichlorobenzene
Concen: 3.532 ng
RT: 8.069 min Scan# 864
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Tgt Ion:146 Resp: 78643
Ion Ratio Lower Upper
146 100
148 68.0 51.3 76.9
111 40.9 32.7 49.1

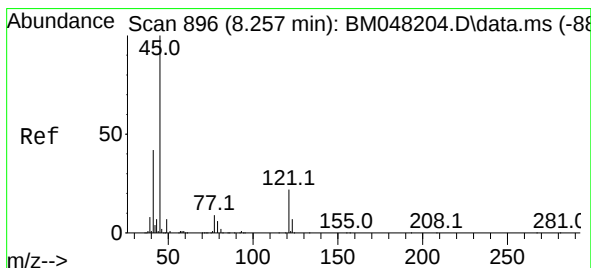
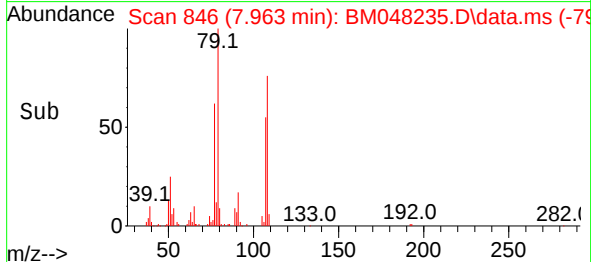
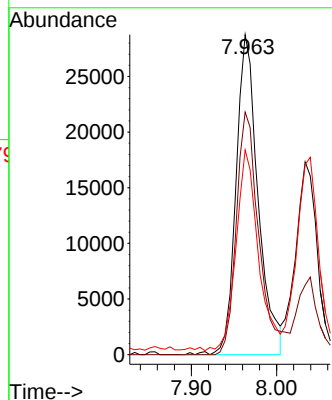
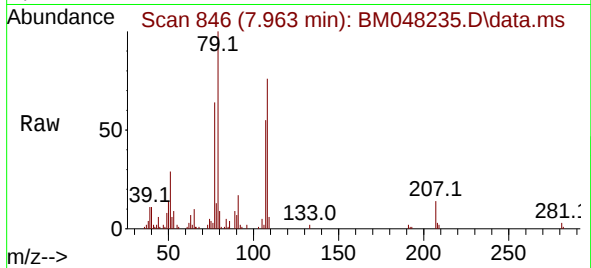




#15
Benzyl Alcohol
Concen: 3.432 ng
RT: 7.963 min Scan# 846
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

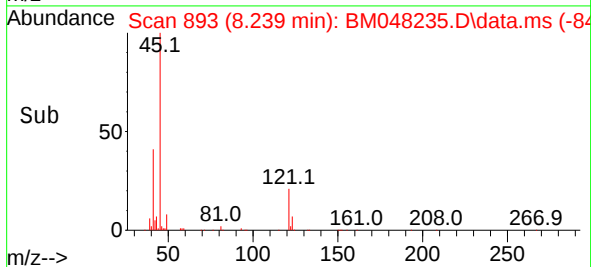
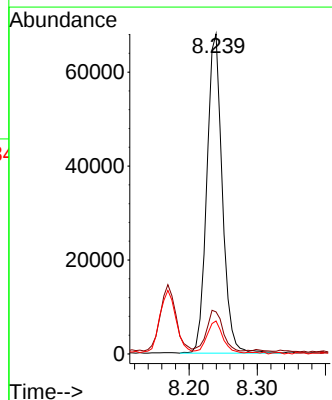
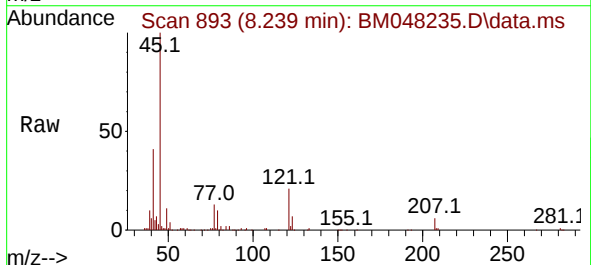
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

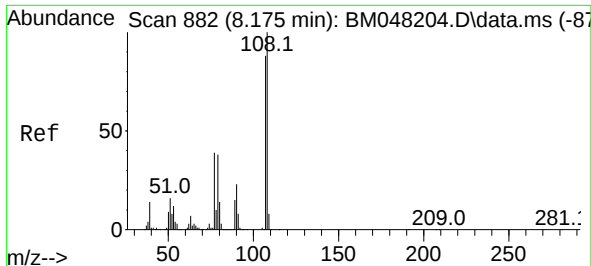
Tgt Ion: 79 Resp: 51619
Ion Ratio Lower Upper
79 100
108 75.8 65.2 97.8
77 64.0 51.4 77.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.874 ng
RT: 8.239 min Scan# 893
Delta R.T. -0.018 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Tgt Ion: 45 Resp: 107062
Ion Ratio Lower Upper
45 100
77 13.2 0.0 34.2
79 10.3 0.0 30.7

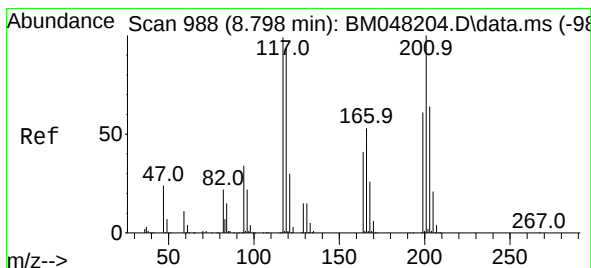
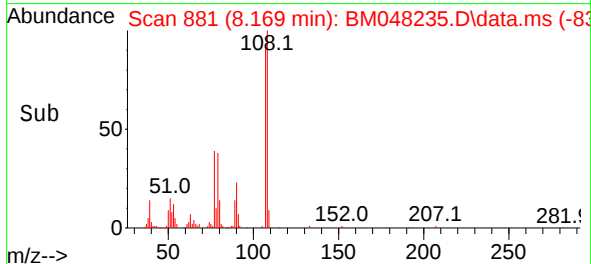
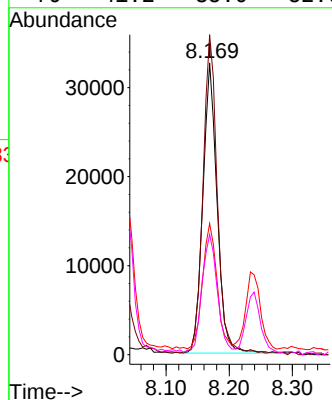
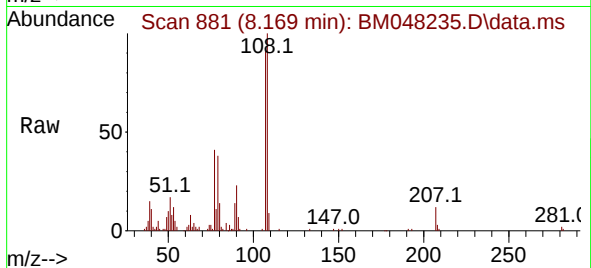




#17
2-Methylphenol
Concen: 3.246 ng
RT: 8.169 min Scan# 881
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

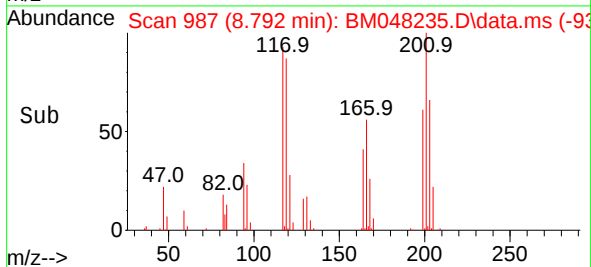
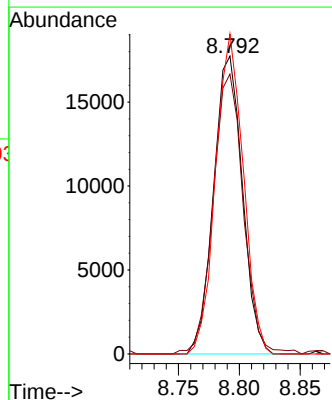
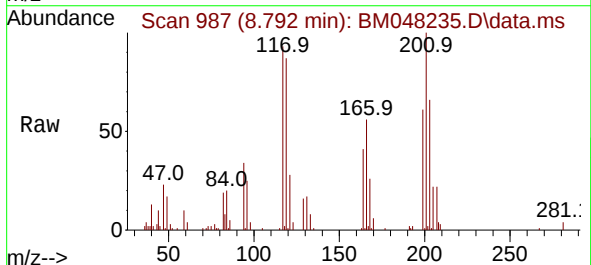
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

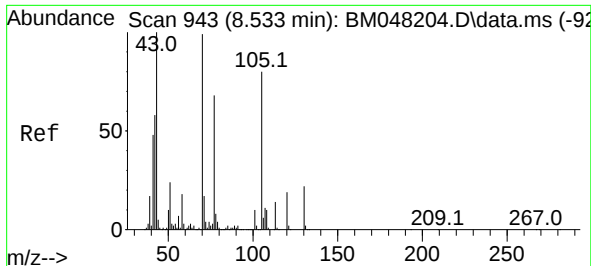
Tgt Ion:	107	Resp:	51159
Ion Ratio	Lower	Upper	
107	100		
108	109.7	91.3	136.9
77	45.0	36.2	54.2
79	41.2	35.0	52.6



#18
Hexachloroethane
Concen: 3.457 ng
RT: 8.792 min Scan# 987
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Tgt Ion:	117	Resp:	29190
Ion Ratio	Lower	Upper	
117	100		
119	93.9	76.5	114.7
201	107.4	80.9	121.3

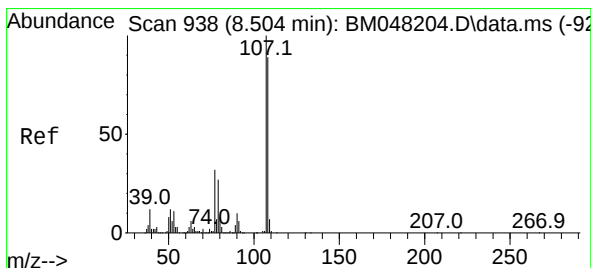
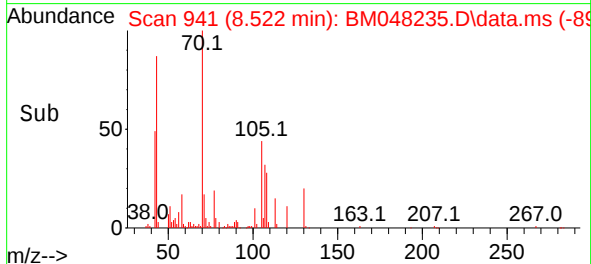
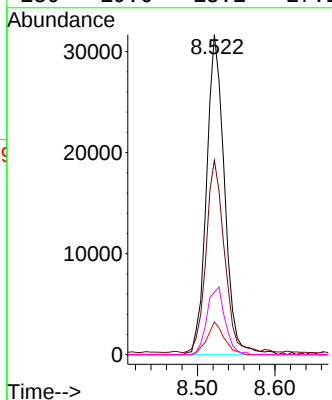
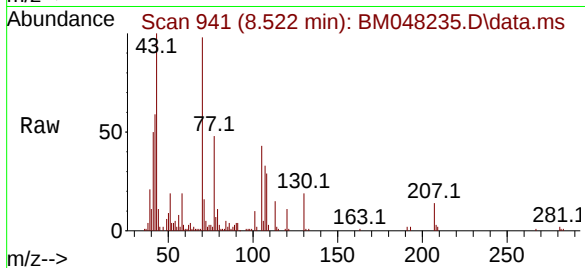




#19
n-Nitroso-di-n-propylamine
Concen: 3.428 ng
RT: 8.522 min Scan# 941
Delta R.T. -0.012 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

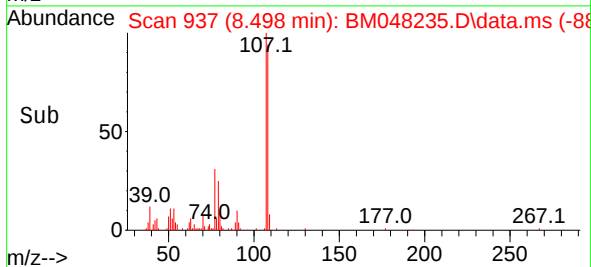
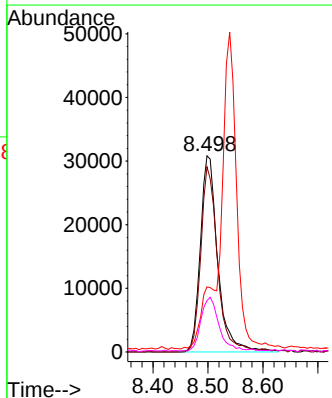
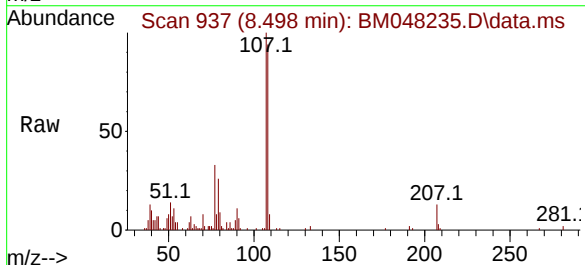
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

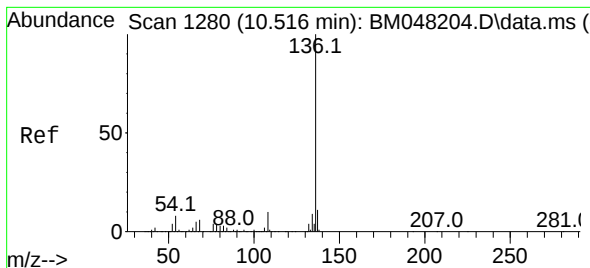
Tgt Ion: 70 Resp: 51128
Ion Ratio Lower Upper
70 100
42 60.8 47.0 70.6
101 10.3 7.8 11.6
130 19.6 18.1 27.1



#20
3+4-Methylphenols
Concen: 3.117 ng
RT: 8.498 min Scan# 937
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Tgt Ion: 107 Resp: 68064
Ion Ratio Lower Upper
107 100
108 94.4 69.0 109.0
77 33.2 12.3 52.3
79 26.2 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: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion:136 Resp: 1250763

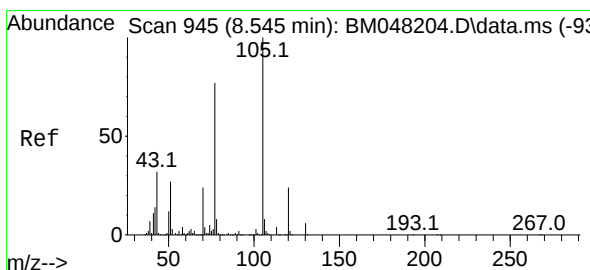
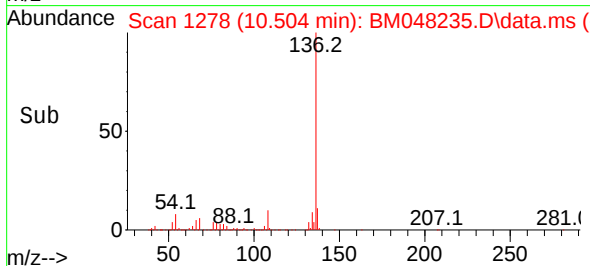
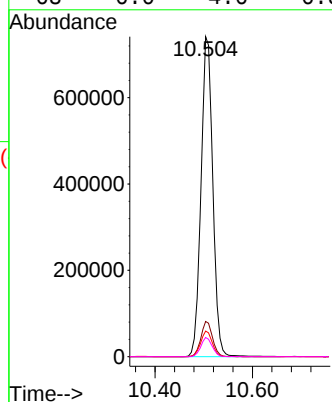
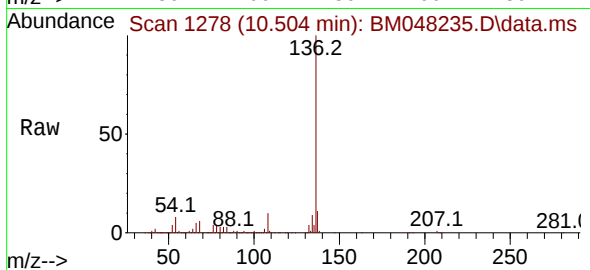
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.0 6.5 9.7

68 6.0 4.6 6.8



#22

Acetophenone

Concen: 3.535 ng

RT: 8.539 min Scan# 944

Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Tgt Ion:105 Resp: 107919

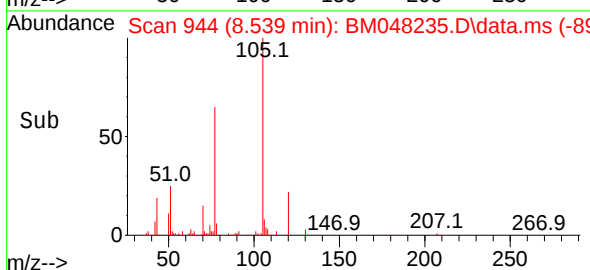
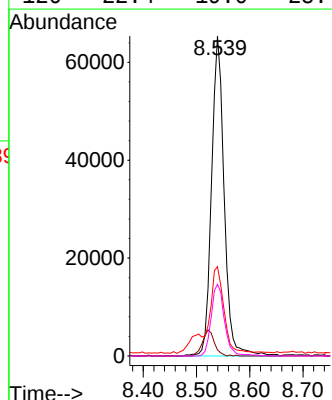
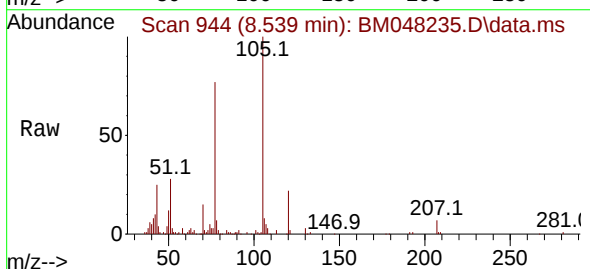
Ion Ratio Lower Upper

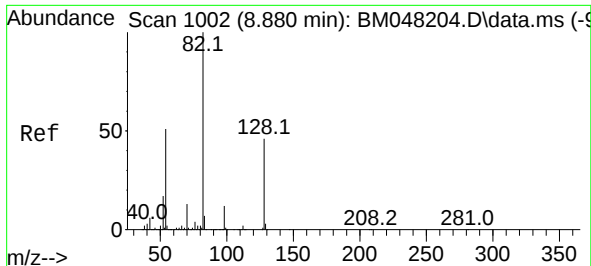
105 100

71 1.9 3.4 5.0#

51 27.9 21.7 32.5

120 22.4 19.0 28.4





#23

Nitrobenzene-d5

Concen: 74.887 ng

RT: 8.875 min Scan# 1001

Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

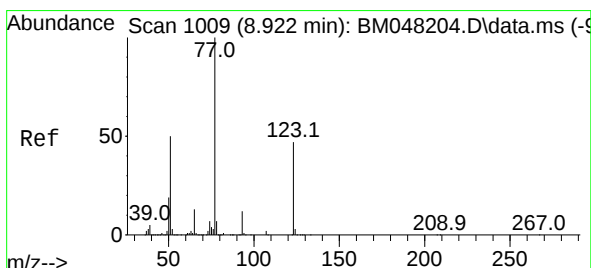
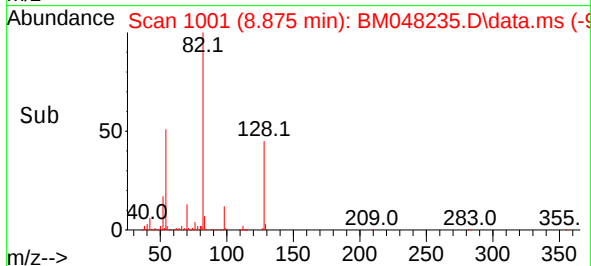
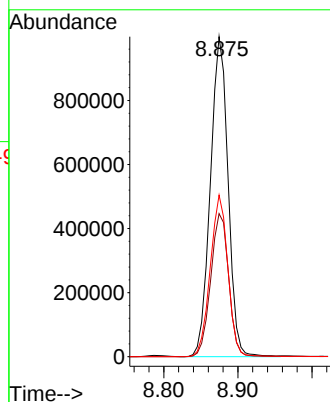
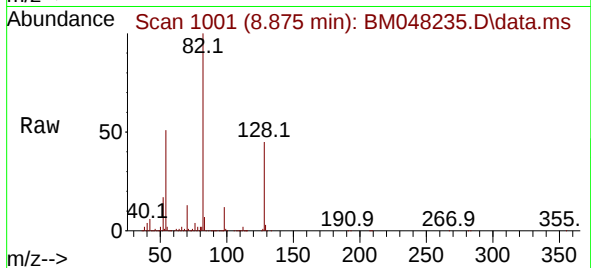
Tgt Ion: 82 Resp: 1658884

Ion Ratio Lower Upper

82 100

128 44.7 36.6 54.8

54 50.5 41.0 61.4



#24

Nitrobenzene

Concen: 3.643 ng

RT: 8.916 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

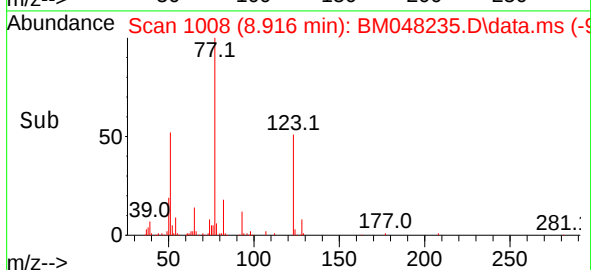
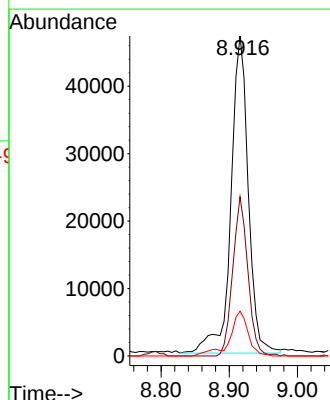
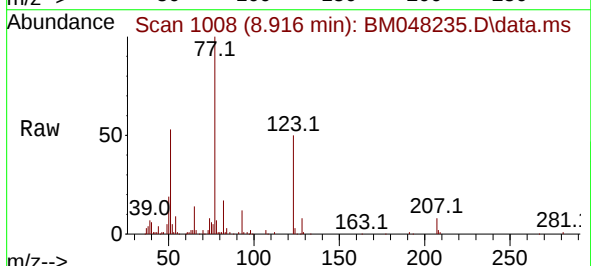
Tgt Ion: 77 Resp: 83611

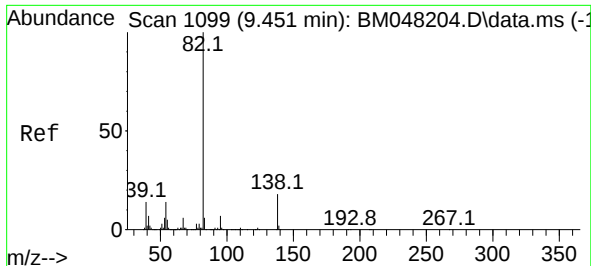
Ion Ratio Lower Upper

77 100

123 49.8 37.8 56.6

65 14.0 10.4 15.6

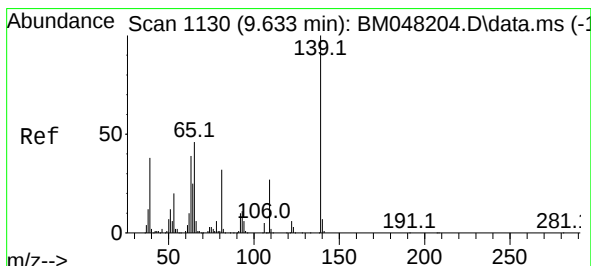
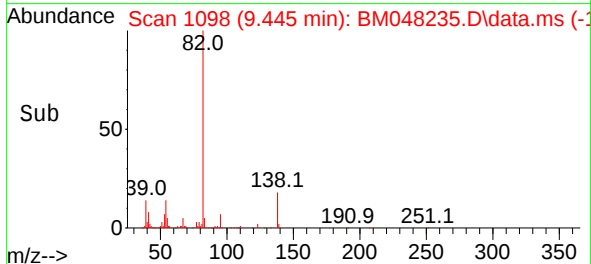
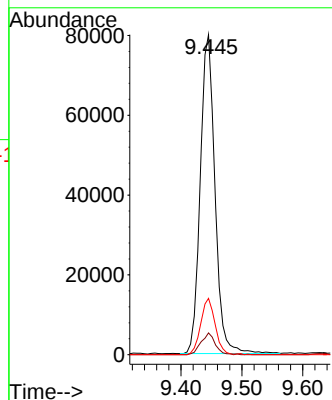
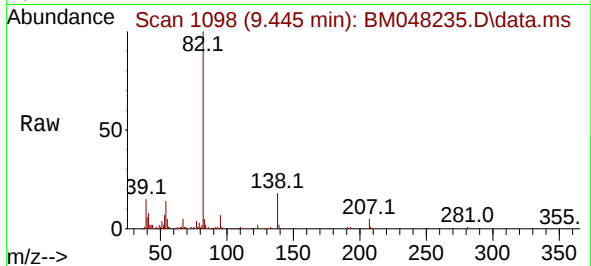




#25
Isophorone
Concen: 3.296 ng
RT: 9.445 min Scan# 1099
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

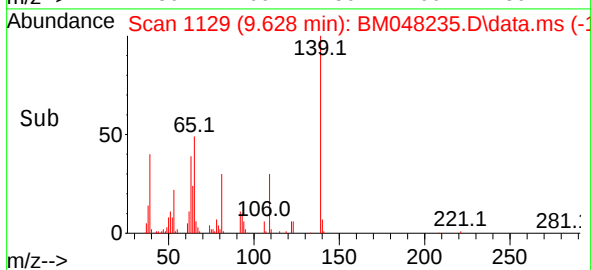
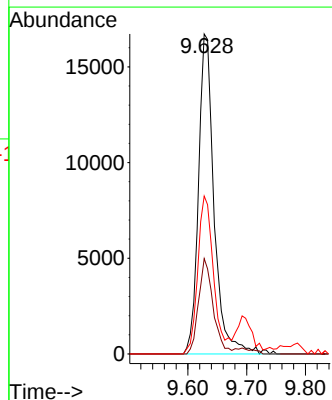
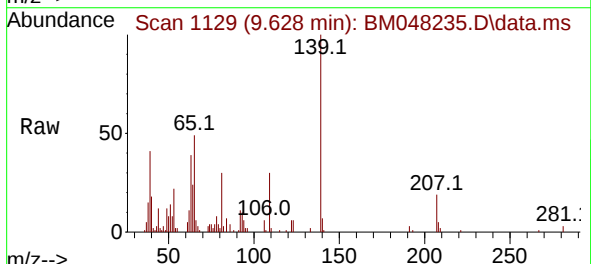
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

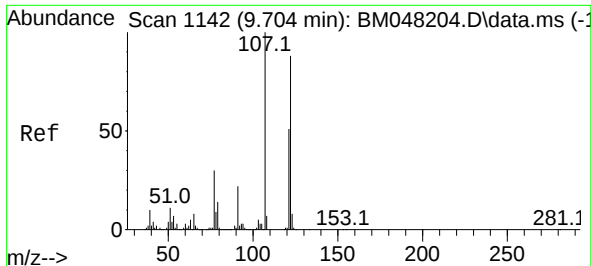
Tgt Ion: 82 Resp: 133834
Ion Ratio Lower Upper
82 100
95 6.8 5.3 7.9
138 17.6 14.3 21.5



#26
2-Nitrophenol
Concen: 2.917 ng
RT: 9.628 min Scan# 1129
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

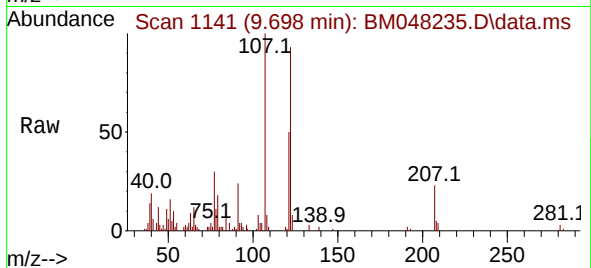
Tgt Ion:139 Resp: 30918
Ion Ratio Lower Upper
139 100
109 29.8 21.2 31.8
65 49.3 36.8 55.2



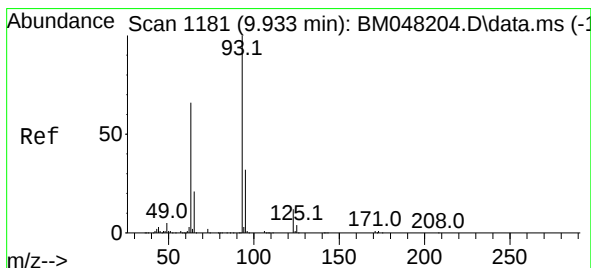
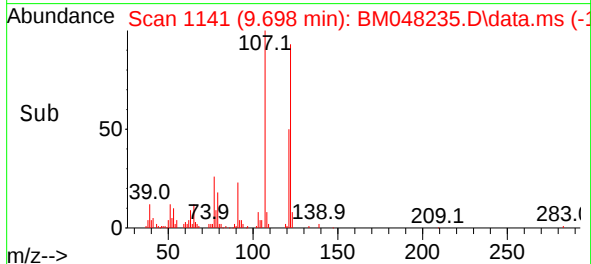
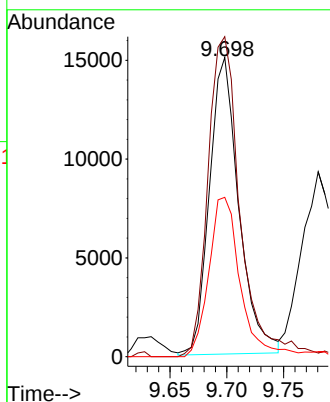


#27
2,4-Dimethylphenol
Concen: 2.102 ng
RT: 9.698 min Scan# 1141
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

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

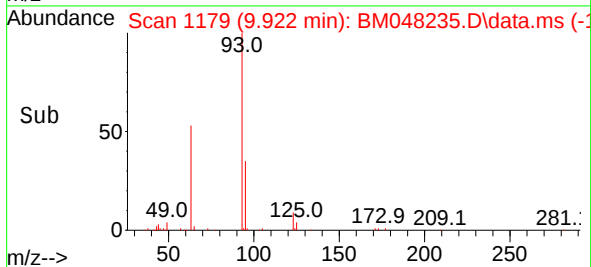
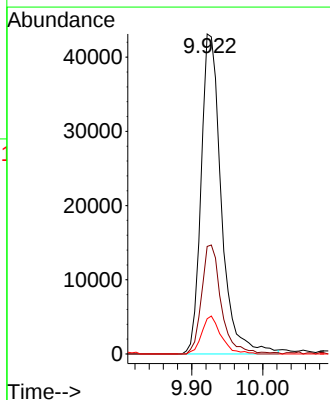
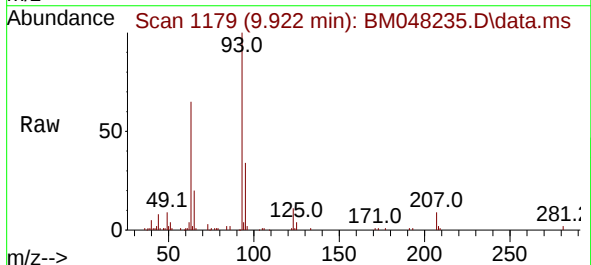


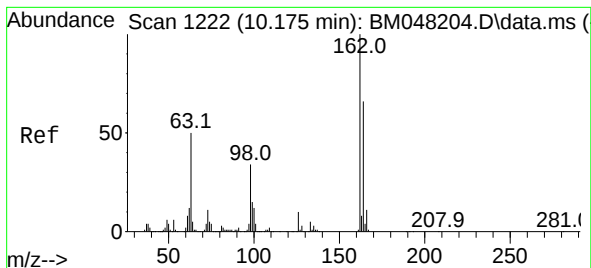
Tgt Ion:122 Resp: 27022
Ion Ratio Lower Upper
122 100
107 107.0 91.0 136.6
121 53.2 46.1 69.1



#28
bis(2-Chloroethoxy)methane
Concen: 3.322 ng
RT: 9.922 min Scan# 1179
Delta R.T. -0.012 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Tgt Ion: 93 Resp: 85355
Ion Ratio Lower Upper
93 100
95 33.6 25.3 37.9
123 11.0 9.8 14.6





#29

2,4-Dichlorophenol

Concen: 3.062 ng

RT: 10.175 min Scan# 1222

Delta R.T. 0.000 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

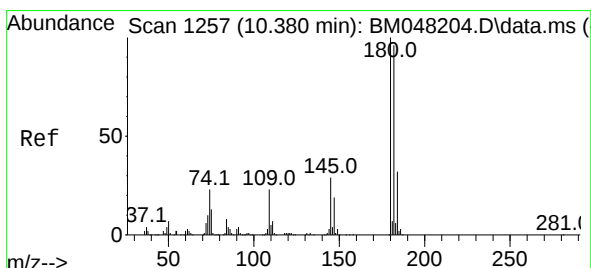
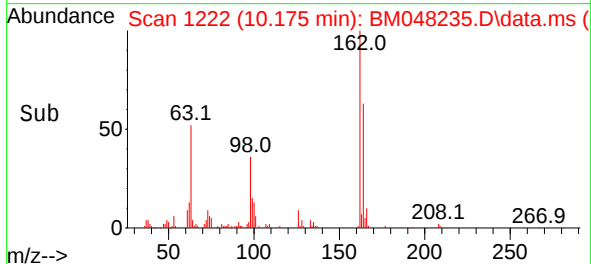
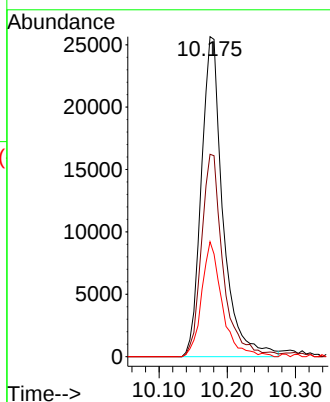
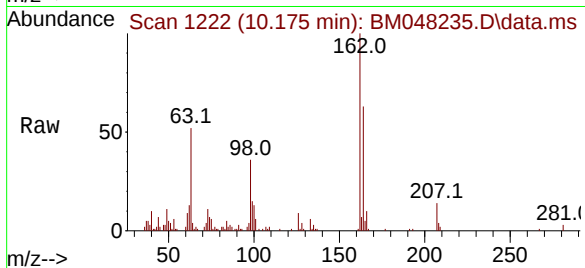
Tgt Ion:162 Resp: 56626

Ion Ratio Lower Upper

162 100

164 63.2 46.0 86.0

98 35.9 14.4 54.4



#30

1,2,4-Trichlorobenzene

Concen: 3.460 ng

RT: 10.375 min Scan# 1256

Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

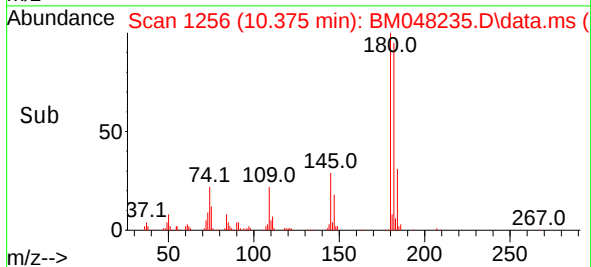
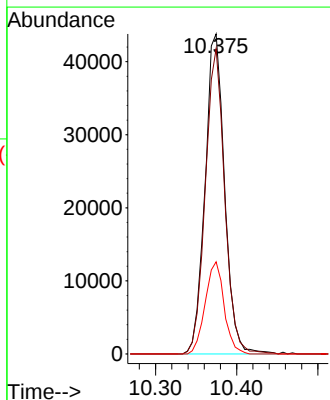
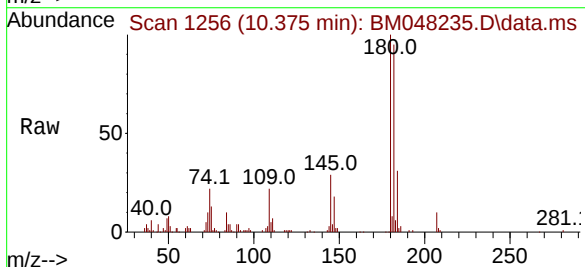
Tgt Ion:180 Resp: 73285

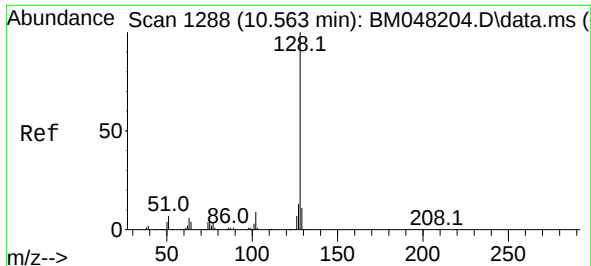
Ion Ratio Lower Upper

180 100

182 95.4 76.6 115.0

145 28.8 23.4 35.2

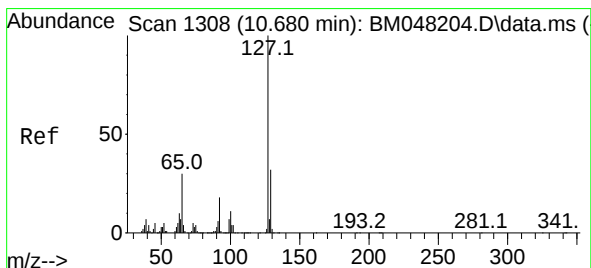
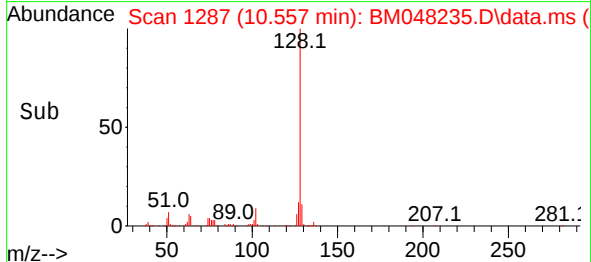
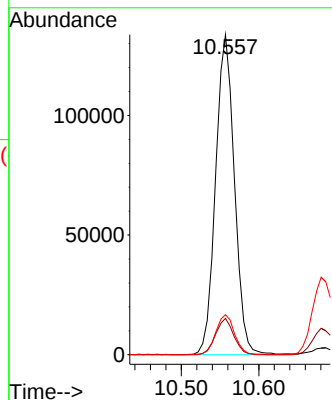
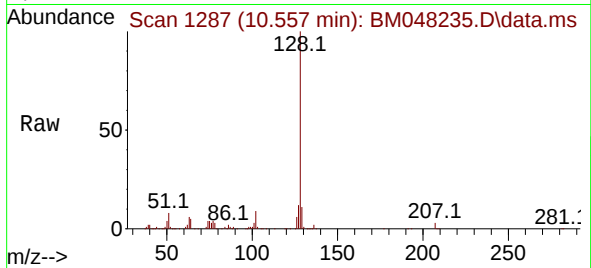




#31
Naphthalene
Concen: 3.460 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

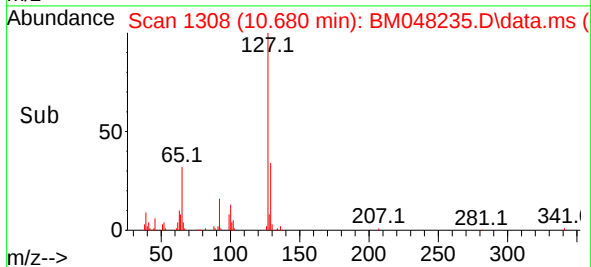
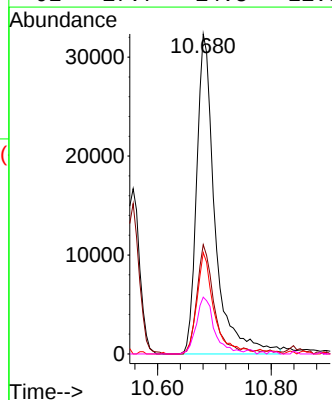
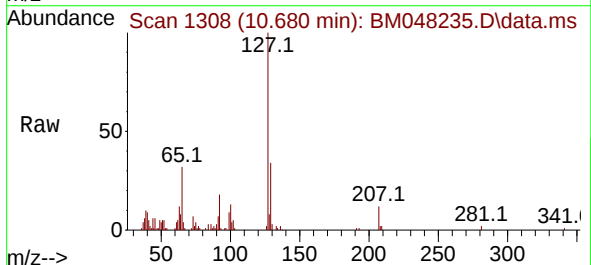
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

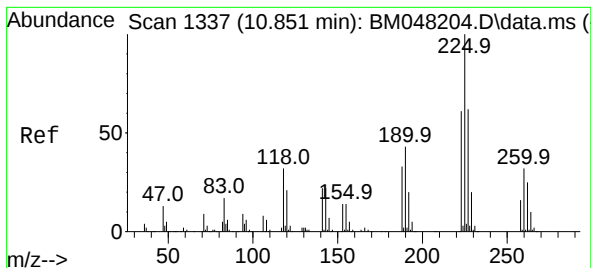
Tgt Ion:128 Resp: 225686
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 12.5 10.2 15.2



#33
4-Chloroaniline
Concen: 3.438 ng
RT: 10.680 min Scan# 1308
Delta R.T. 0.000 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Tgt Ion:127 Resp: 72734
Ion Ratio Lower Upper
127 100
129 34.2 25.8 38.6
65 31.7 23.7 35.5
92 17.7 14.3 21.5





#34

Hexachlorobutadiene

Concen: 3.358 ng

RT: 10.845 min Scan# 14

Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

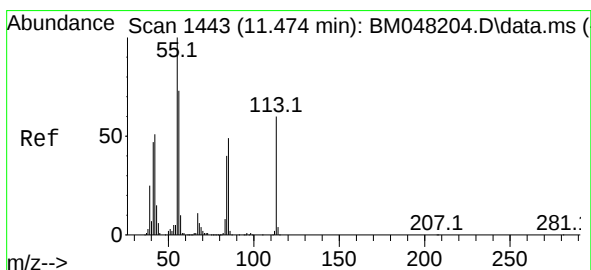
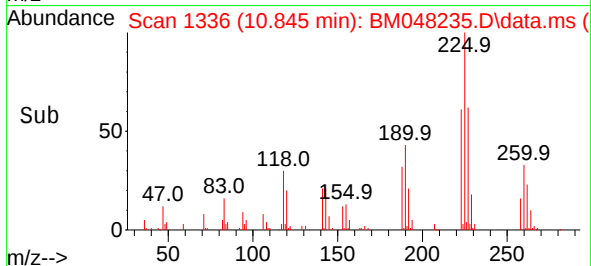
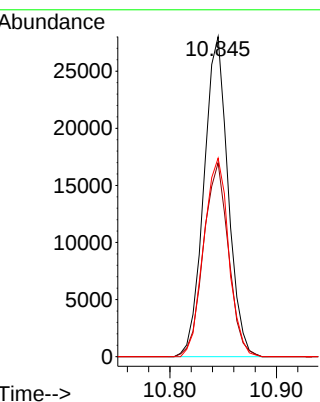
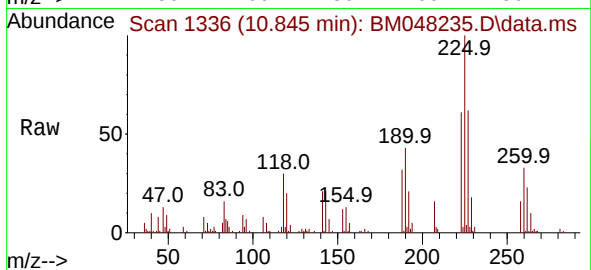
Tgt Ion:225 Resp: 44086

Ion Ratio Lower Upper

225 100

223 60.6 48.6 73.0

227 62.1 49.6 74.4



#35

Caprolactam

Concen: 2.630 ng

RT: 11.457 min Scan# 1440

Delta R.T. -0.018 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

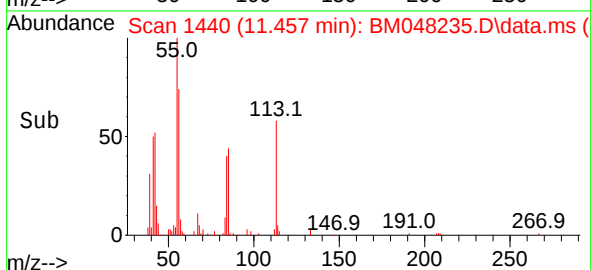
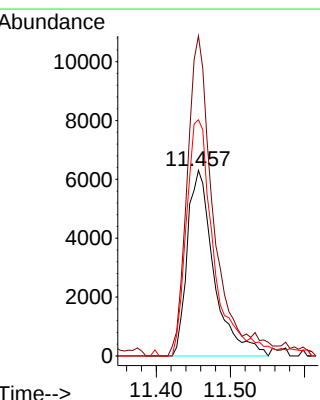
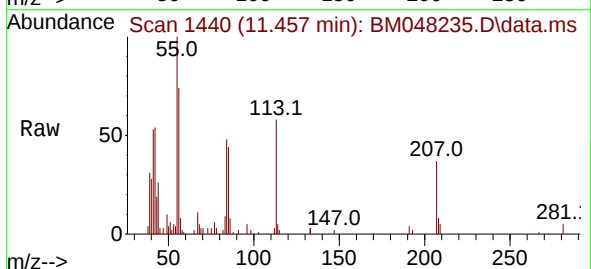
Tgt Ion:113 Resp: 15800

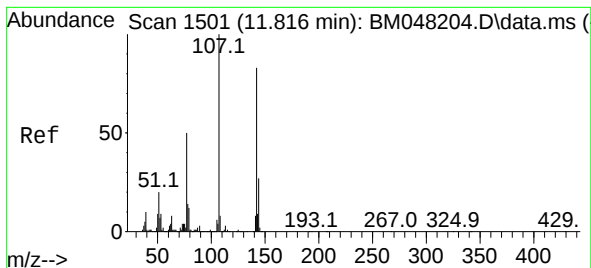
Ion Ratio Lower Upper

113 100

55 172.5 146.1 186.1

56 127.3 101.9 141.9

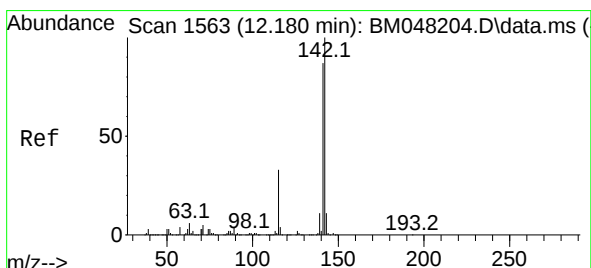
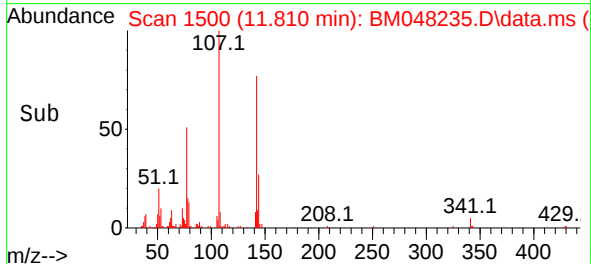
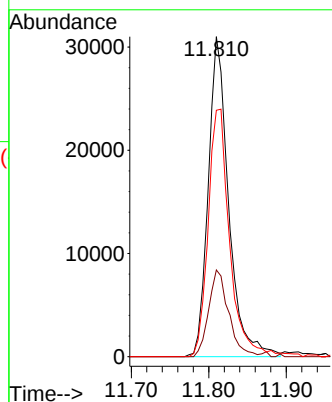
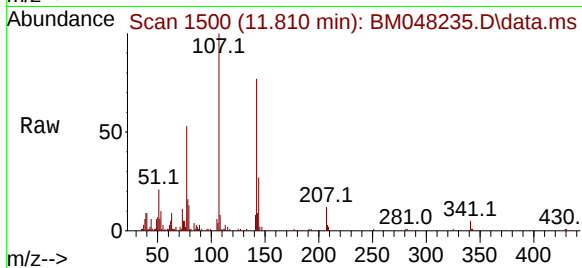




#36
4-Chloro-3-methylphenol
Concen: 2.937 ng
RT: 11.810 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

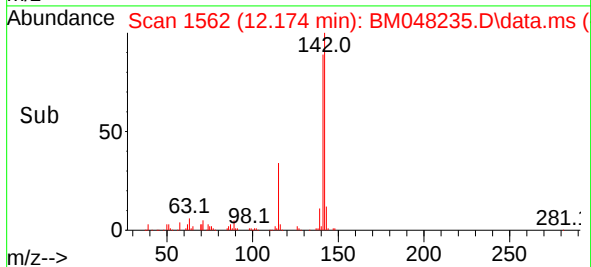
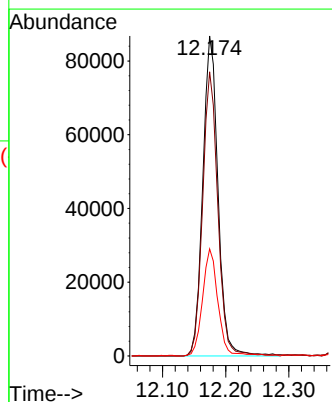
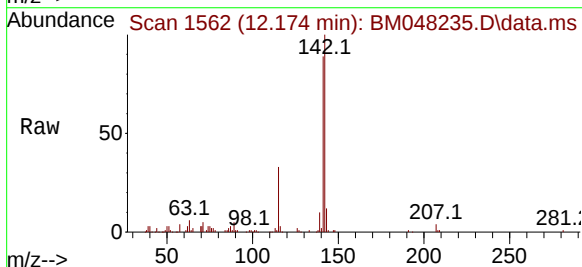
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

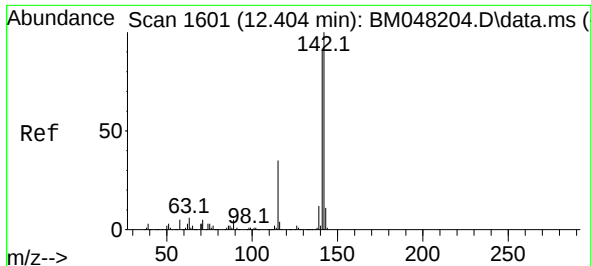
Tgt Ion:107 Resp: 56709
Ion Ratio Lower Upper
107 100
144 27.1 21.5 32.3
142 77.0 66.8 100.2



#37
2-Methylnaphthalene
Concen: 3.341 ng
RT: 12.174 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Tgt Ion:142 Resp: 145641
Ion Ratio Lower Upper
142 100
141 88.8 69.8 104.6
115 33.5 26.3 39.5





#38

1-Methylnaphthalene

Concen: 3.239 ng

RT: 12.392 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM048235.D

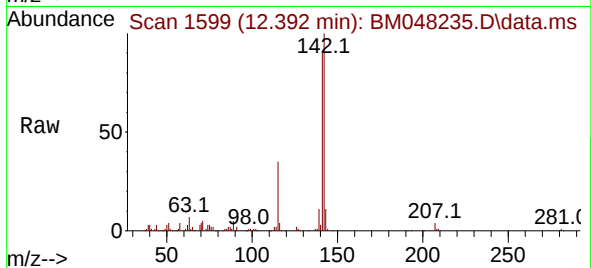
Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

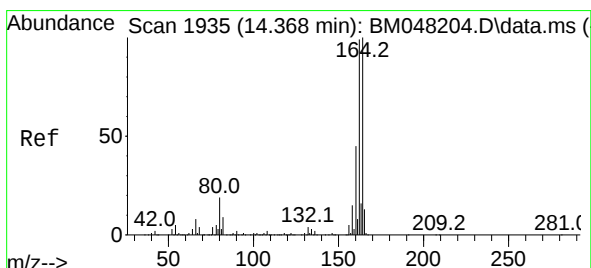
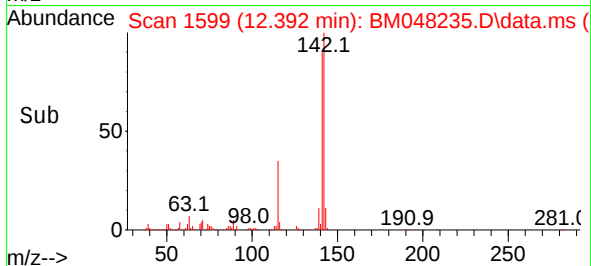
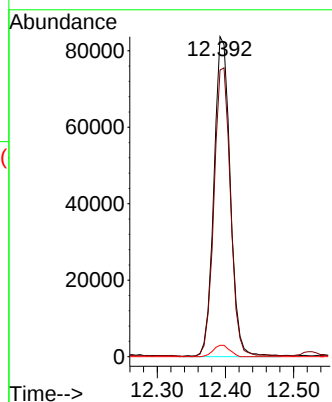
ClientSampleId :

MDL-SOIL-03-QT4-2024



Tgt Ion:142 Resp: 139971

Ion	Ratio	Lower	Upper
142	100		
141	89.6	72.7	109.1
116	3.6	2.9	4.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.363 min Scan# 1934

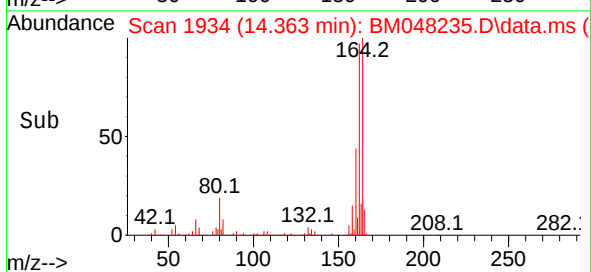
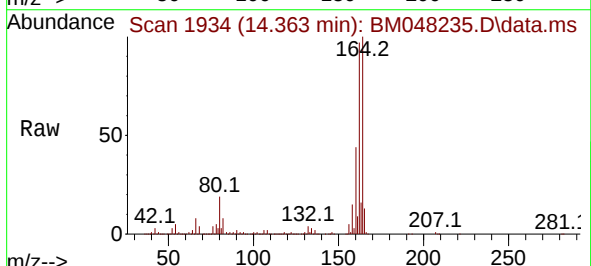
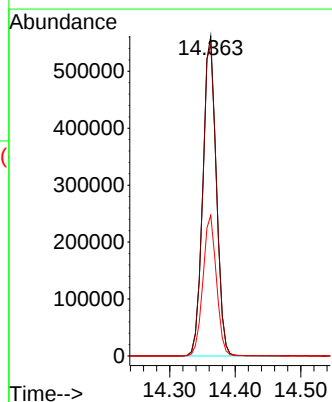
Delta R.T. -0.006 min

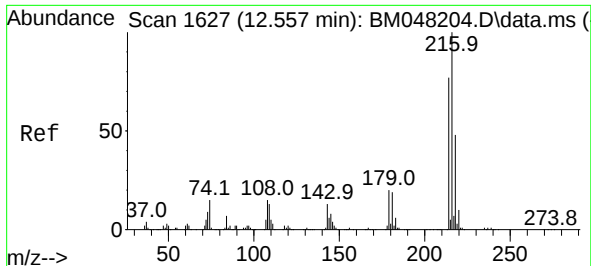
Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Tgt Ion:164 Resp: 802338

Ion	Ratio	Lower	Upper
164	100		
162	97.4	79.1	118.7
160	43.9	35.8	53.8





#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.426 ng

RT: 12.551 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM048235.D

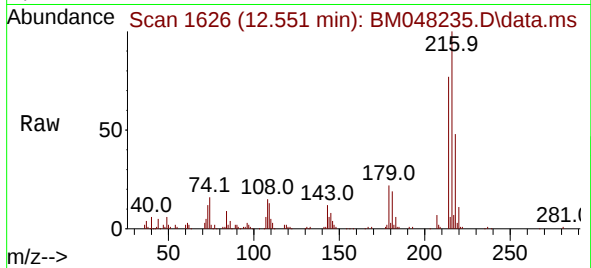
Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024



Tgt Ion:216 Resp: 78559

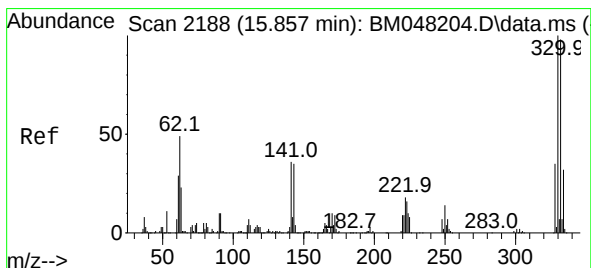
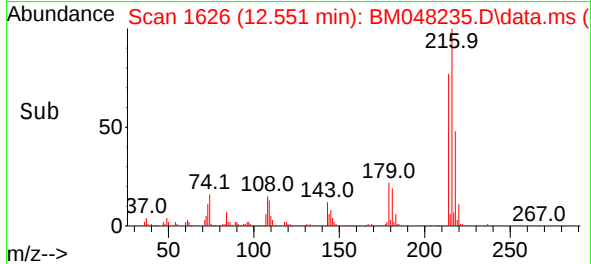
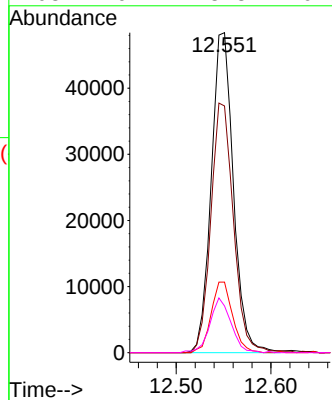
Ion Ratio Lower Upper

216 100

214 79.5 62.2 93.2

179 21.4 16.0 24.0

108 16.4 13.8 20.8



#42

2,4,6-Tribromophenol

Concen: 103.327 ng

RT: 15.851 min Scan# 2187

Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

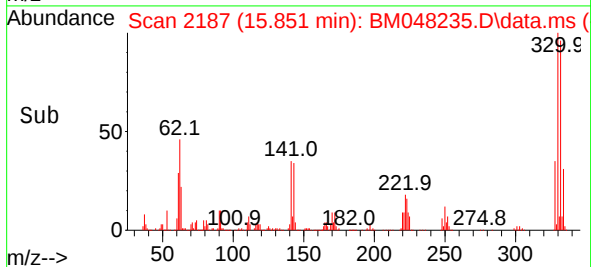
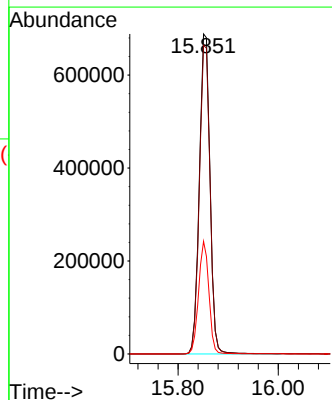
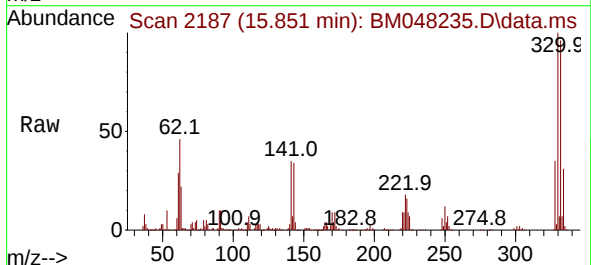
Tgt Ion:330 Resp: 1014740

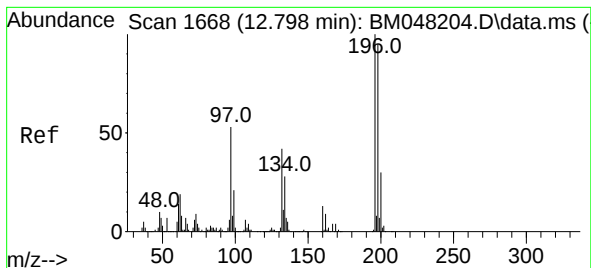
Ion Ratio Lower Upper

330 100

332 96.8 77.5 116.3

141 34.0 27.5 41.3





#43

2,4,6-Trichlorophenol

Concen: 2.973 ng

RT: 12.792 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

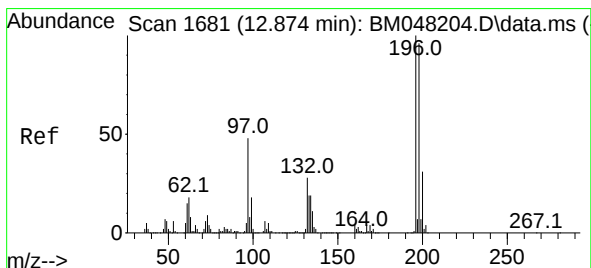
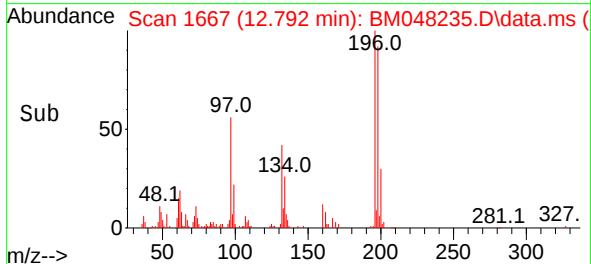
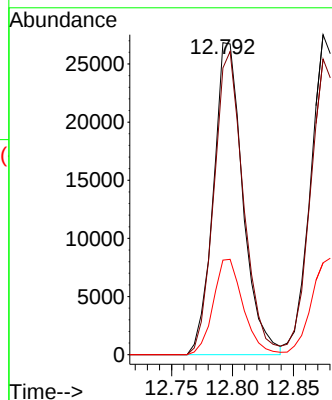
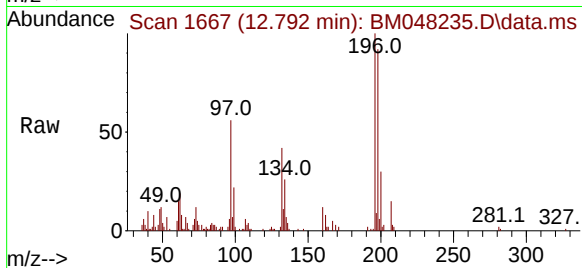
Tgt Ion:196 Resp: 45242

Ion Ratio Lower Upper

196 100

198 91.9 76.2 114.2

200 30.3 24.2 36.2



#44

2,4,5-Trichlorophenol

Concen: 2.962 ng

RT: 12.874 min Scan# 1681

Delta R.T. 0.000 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Tgt Ion:196 Resp: 50270

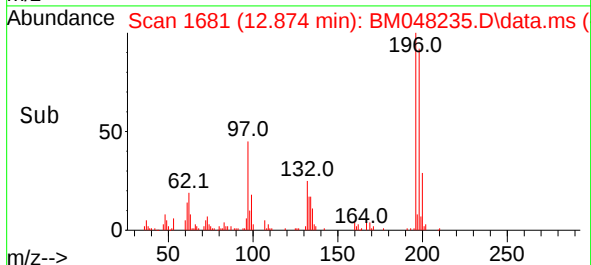
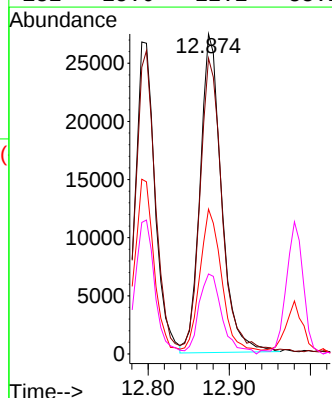
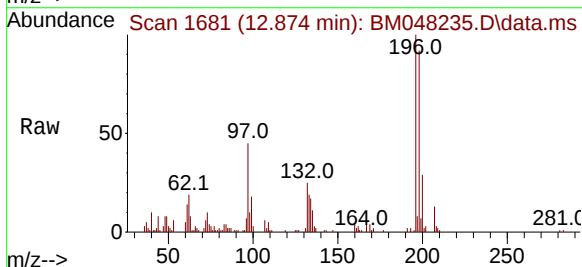
Ion Ratio Lower Upper

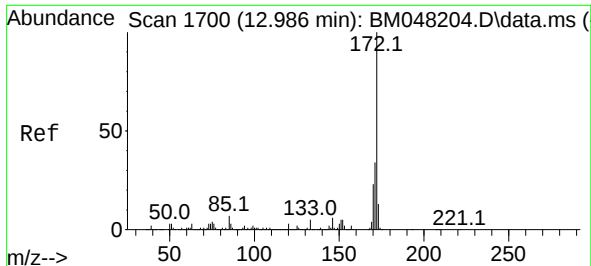
196 100

198 92.4 76.7 115.1

97 45.2 38.5 57.7

132 25.0 22.2 33.2





#45

2-Fluorobiphenyl

Concen: 70.904 ng

RT: 12.980 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

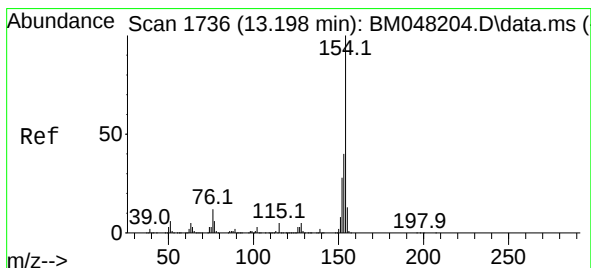
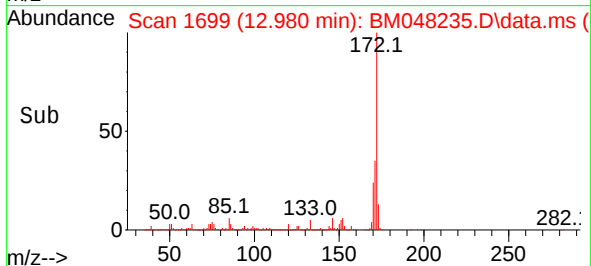
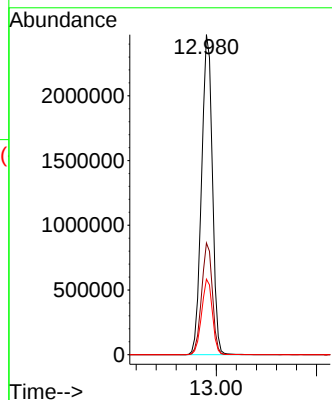
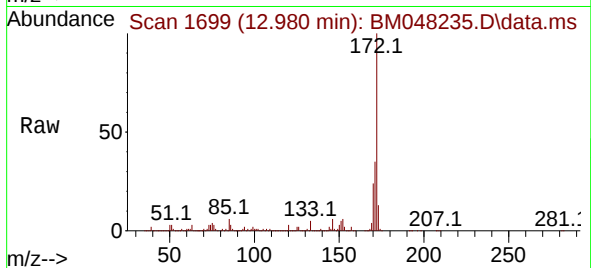
Tgt Ion:172 Resp: 3707324

Ion Ratio Lower Upper

172 100

171 34.9 27.4 41.0

170 23.6 18.5 27.7



#46

1,1'-Biphenyl

Concen: 3.599 ng

RT: 13.192 min Scan# 1735

Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

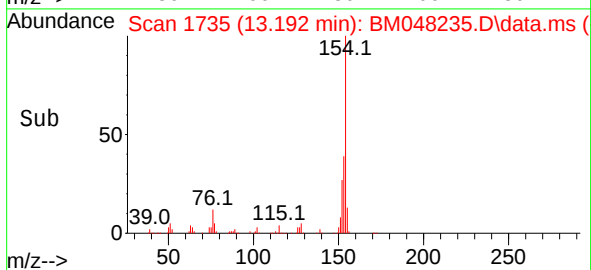
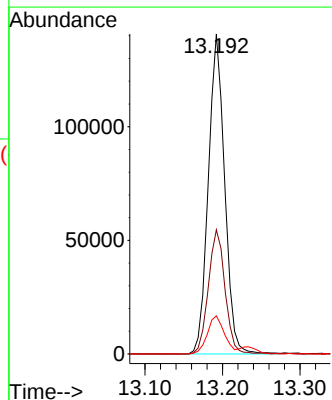
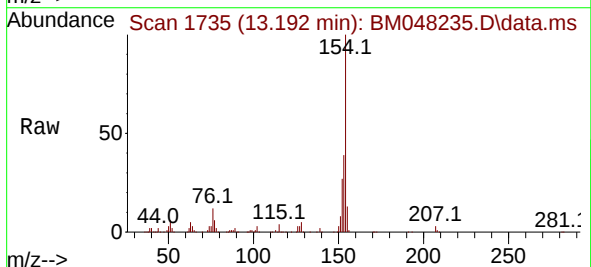
Tgt Ion:154 Resp: 206192

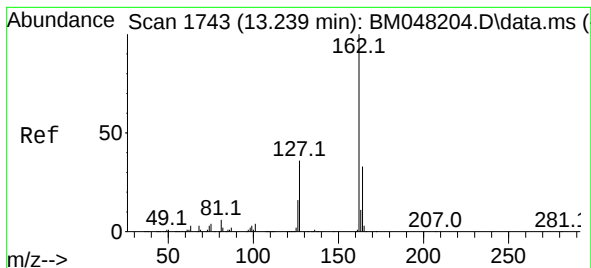
Ion Ratio Lower Upper

154 100

153 38.8 19.9 59.9

76 11.9 0.0 32.4





#47

2-Chloronaphthalene

Concen: 3.308 ng

RT: 13.233 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM048235.D

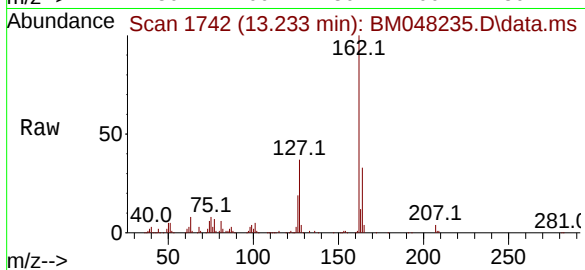
Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024



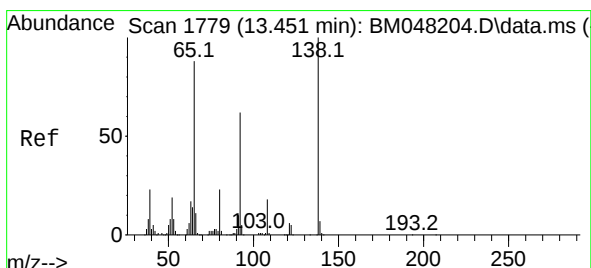
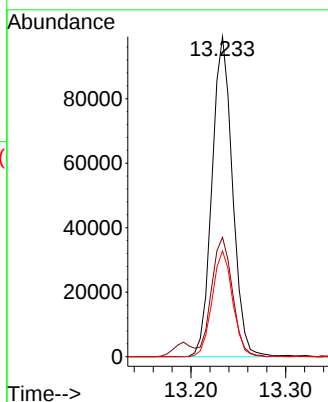
Tgt Ion:162 Resp: 149411

Ion Ratio Lower Upper

162 100

127 37.3 31.0 46.6

164 33.1 26.2 39.4



#48

2-Nitroaniline

Concen: 2.746 ng

RT: 13.445 min Scan# 1778

Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

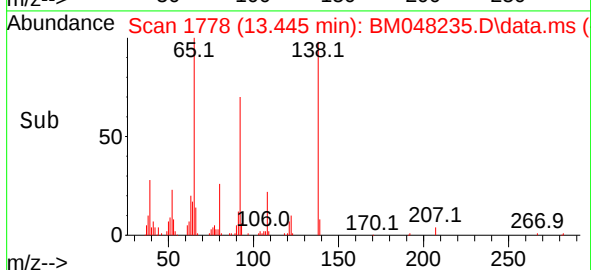
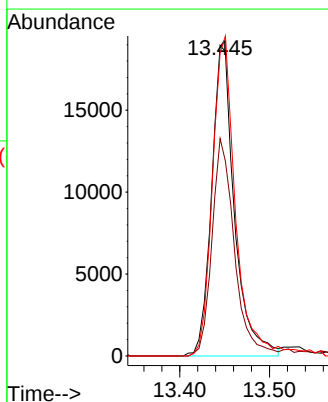
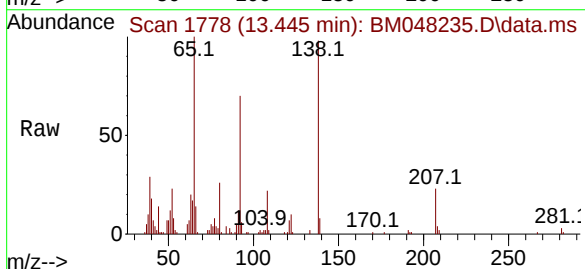
Tgt Ion: 65 Resp: 33644

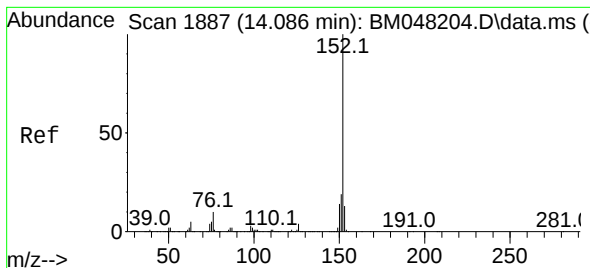
Ion Ratio Lower Upper

65 100

92 70.0 56.0 84.0

138 97.5 90.8 136.2





#49

Acenaphthylene

Concen: 3.471 ng

RT: 14.080 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

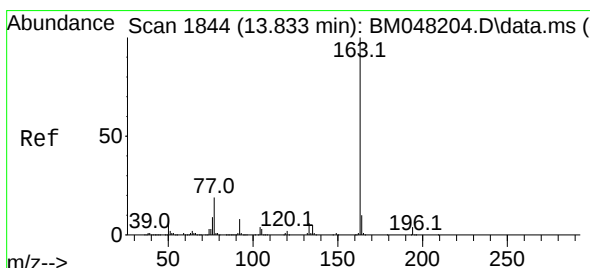
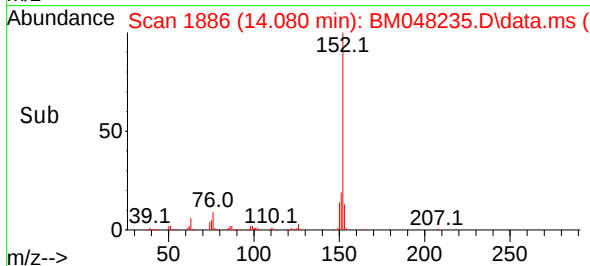
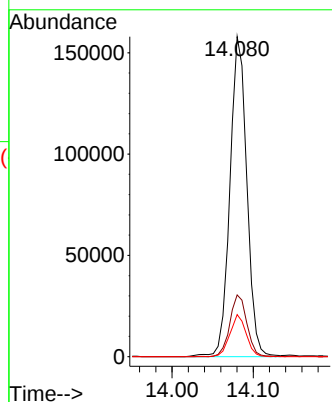
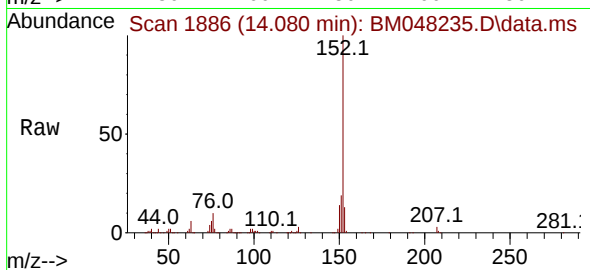
Tgt Ion:152 Resp: 228738

Ion Ratio Lower Upper

152 100

151 19.3 15.4 23.2

153 13.2 10.5 15.7



#50

Dimethylphthalate

Concen: 3.262 ng

RT: 13.821 min Scan# 1842

Delta R.T. -0.012 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

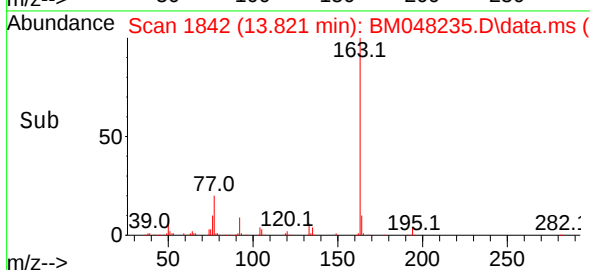
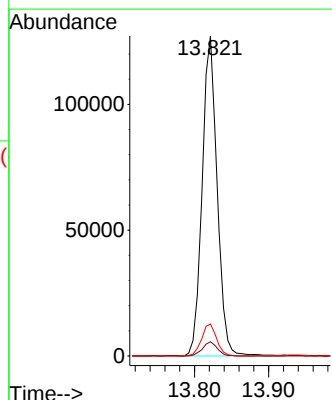
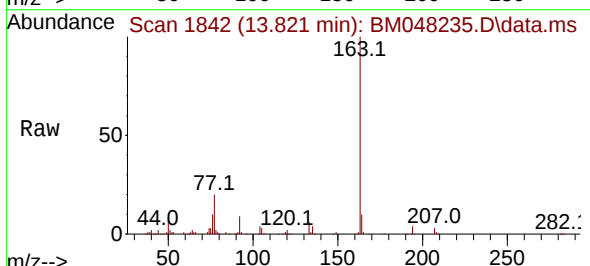
Tgt Ion:163 Resp: 178689

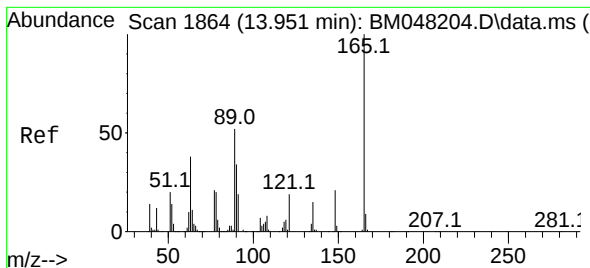
Ion Ratio Lower Upper

163 100

194 4.4 3.1 4.7

164 10.0 7.8 11.6

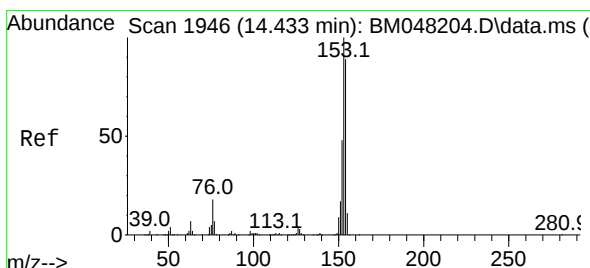
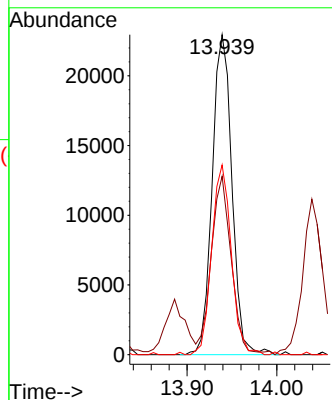
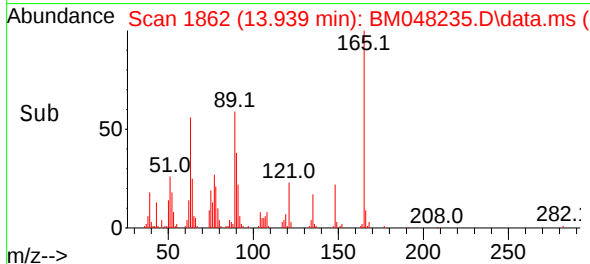
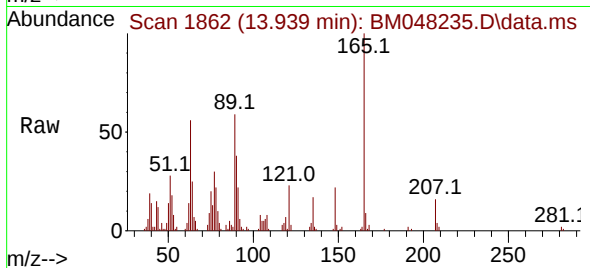




#51
2,6-Dinitrotoluene
Concen: 2.862 ng
RT: 13.939 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

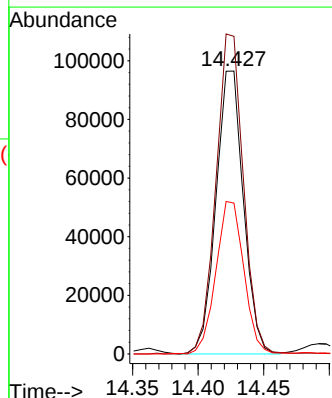
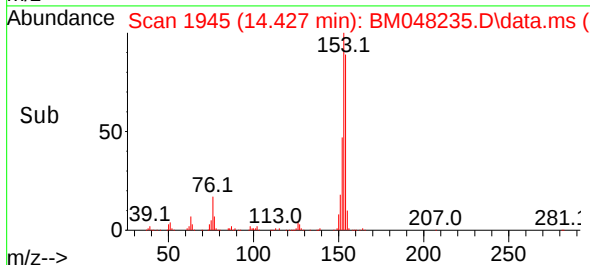
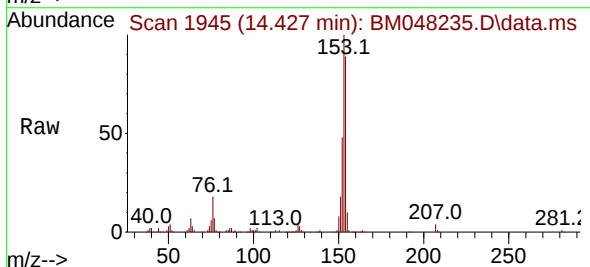
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

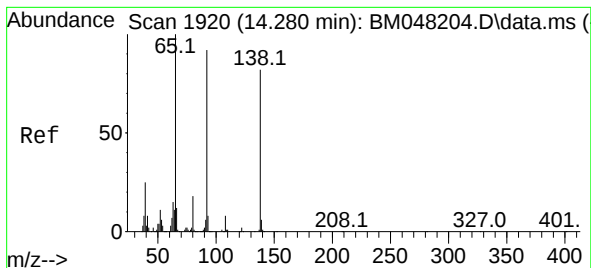
Tgt Ion:165 Resp: 34974
Ion Ratio Lower Upper
165 100
63 55.7 39.5 59.3
89 59.3 41.8 62.6



#52
Acenaphthene
Concen: 3.354 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Tgt Ion:154 Resp: 140453
Ion Ratio Lower Upper
154 100
153 112.3 90.4 135.6
152 53.3 43.6 65.4





#53

3-Nitroaniline

Concen: 2.597 ng

RT: 14.280 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

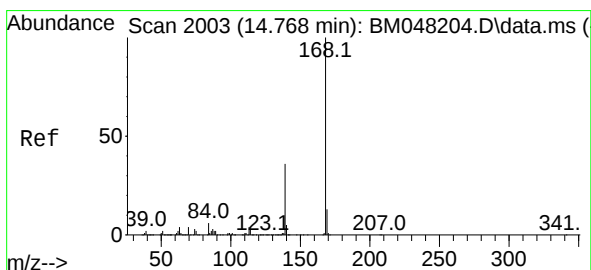
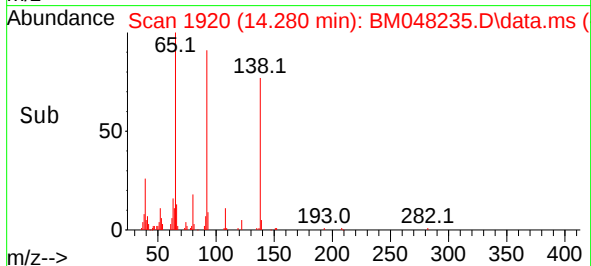
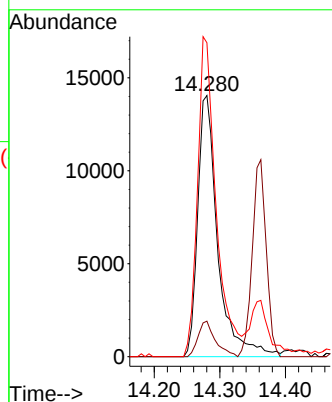
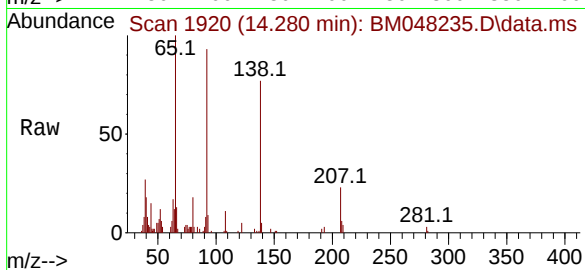
Tgt Ion:138 Resp: 29932

Ion Ratio Lower Upper

138 100

108 13.6 7.5 11.3#

92 120.2 89.7 134.5



#55

Dibenzofuran

Concen: 3.448 ng

RT: 14.763 min Scan# 2002

Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

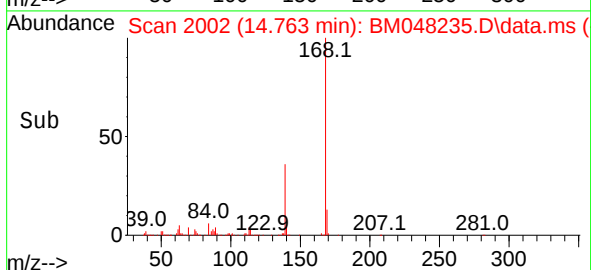
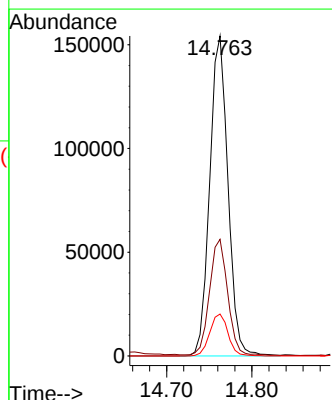
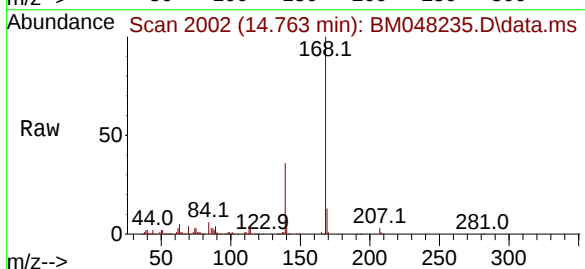
Tgt Ion:168 Resp: 229366

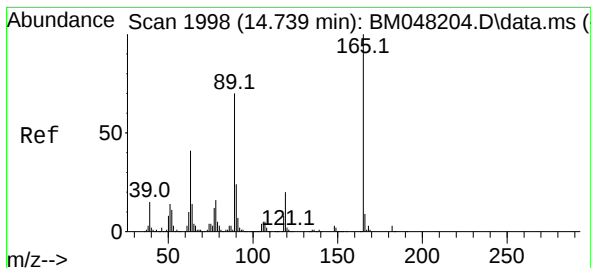
Ion Ratio Lower Upper

168 100

139 36.4 29.0 43.6

169 13.1 10.4 15.6





#57

2,4-Dinitrotoluene

Concen: 2.552 ng

RT: 14.739 min Scan# 1998

Delta R.T. 0.000 min

Lab File: BM048235.D

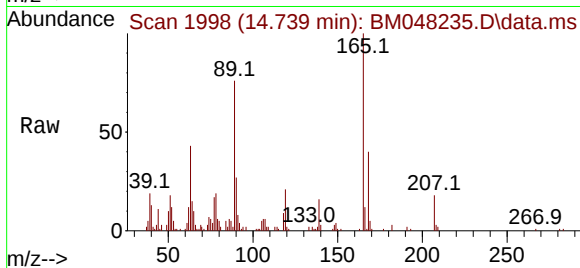
Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024



Tgt Ion:165 Resp: 41191

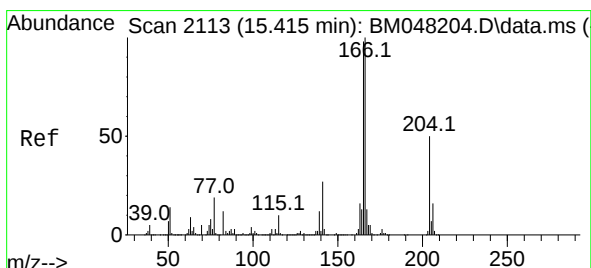
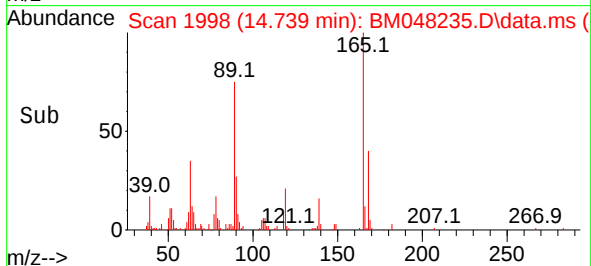
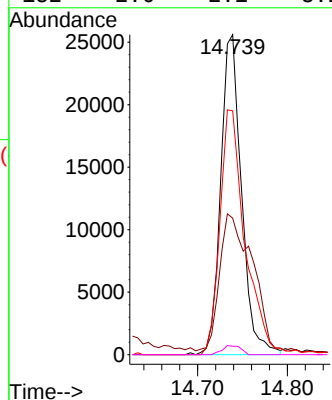
Ion Ratio Lower Upper

165 100

63 42.7 33.0 49.4

89 76.2 55.8 83.6

182 2.6 2.1 3.1



#58

Fluorene

Concen: 3.362 ng

RT: 15.410 min Scan# 2112

Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

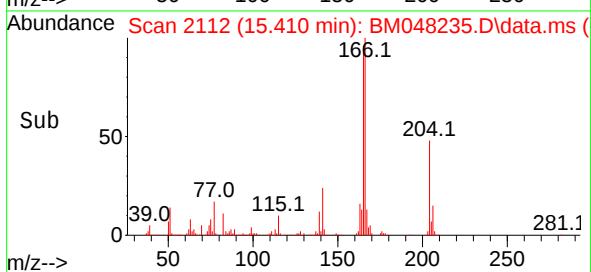
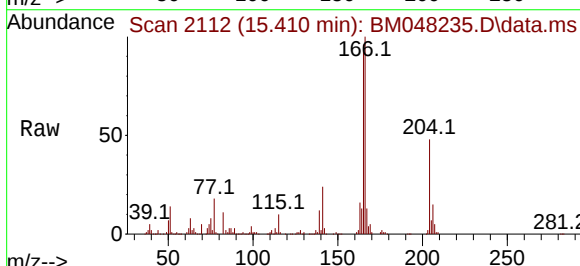
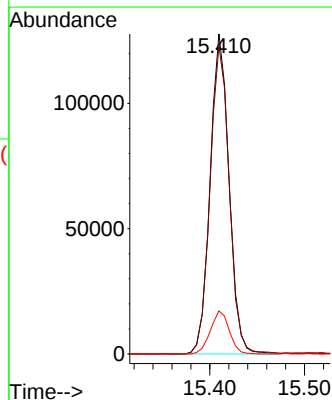
Tgt Ion:166 Resp: 176864

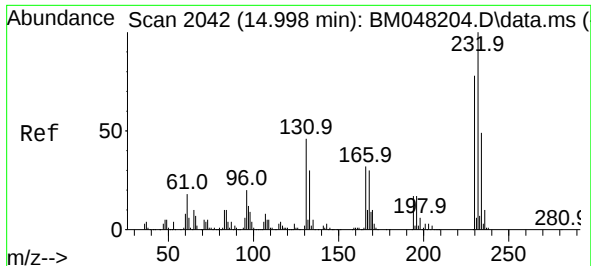
Ion Ratio Lower Upper

166 100

165 96.2 78.4 117.6

167 13.4 10.8 16.2





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.243 ng

RT: 14.992 min Scan# 2041

Delta R.T. -0.006 min

Lab File: BM048235.D

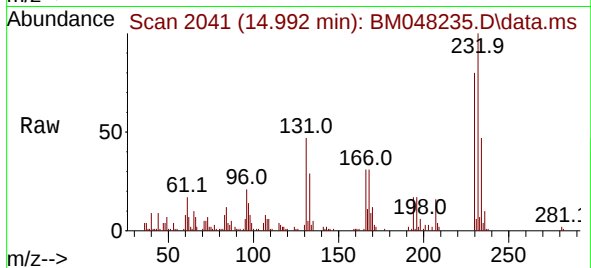
Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

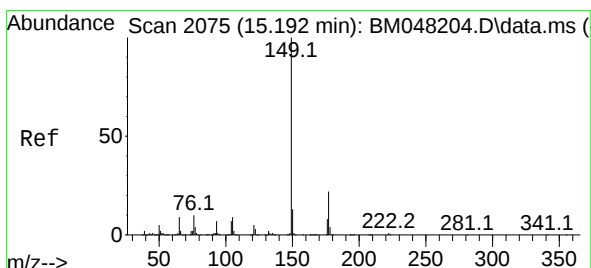
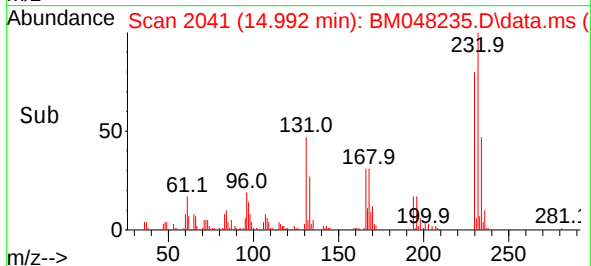
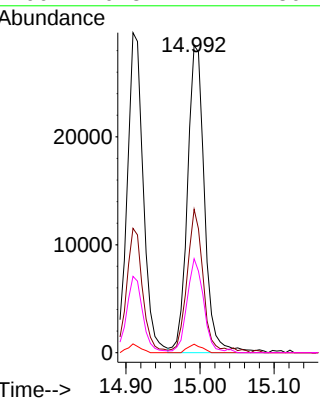
ClientSampleId :

MDL-SOIL-03-QT4-2024



Tgt Ion:232 Resp: 45618

Ion	Ratio	Lower	Upper
232	100		
131	44.4	35.5	53.3
130	2.3	1.8	2.6
166	29.8	24.4	36.6



#60

Diethylphthalate

Concen: 3.136 ng

RT: 15.186 min Scan# 2074

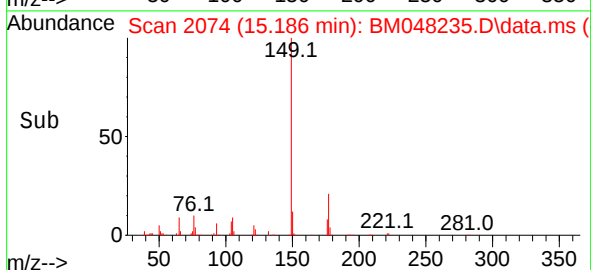
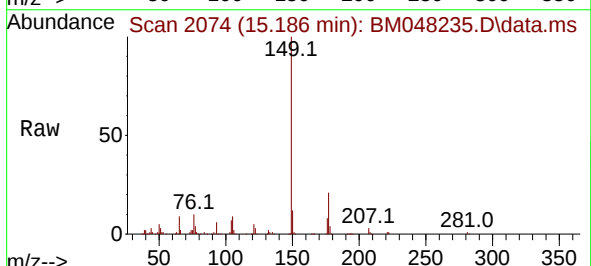
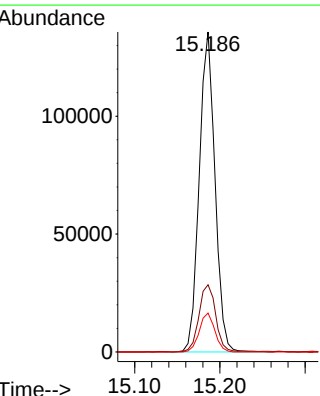
Delta R.T. -0.006 min

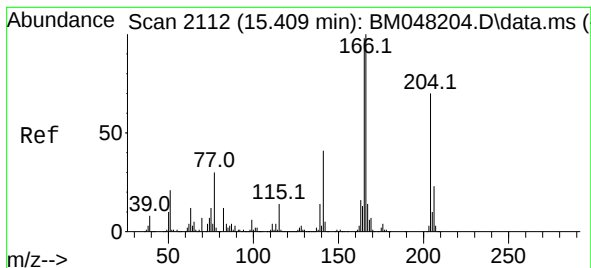
Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Tgt Ion:149 Resp: 173897

Ion	Ratio	Lower	Upper
149	100		
177	21.0	17.5	26.3
150	12.1	10.1	15.1

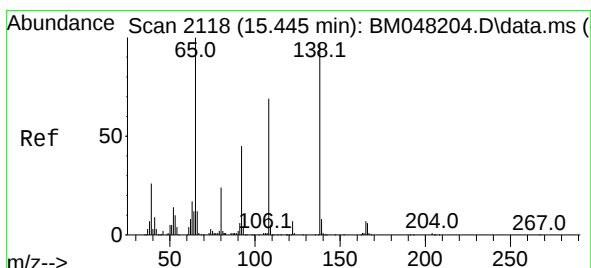
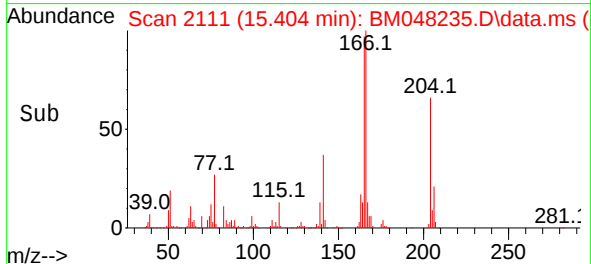
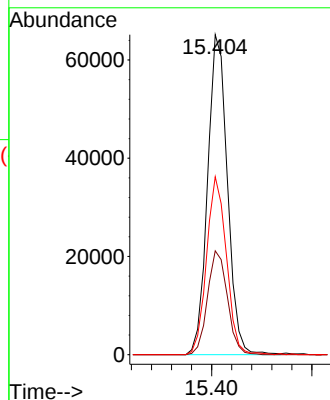
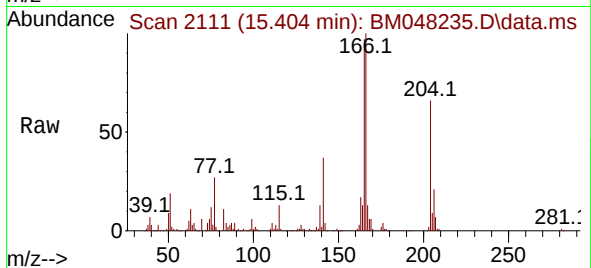




#61
4-Chlorophenyl-phenylether
Concen: 3.411 ng
RT: 15.404 min Scan# 2111
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

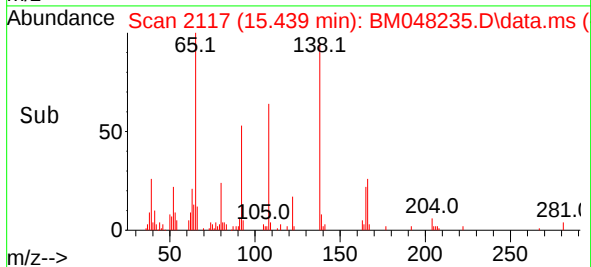
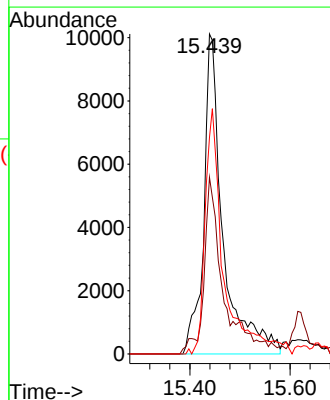
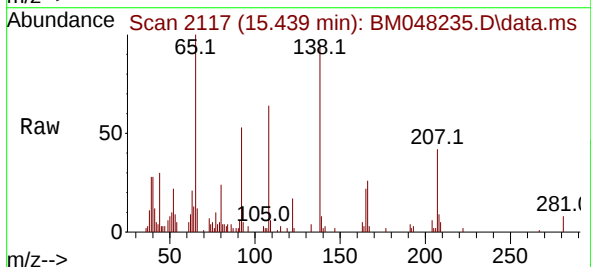
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

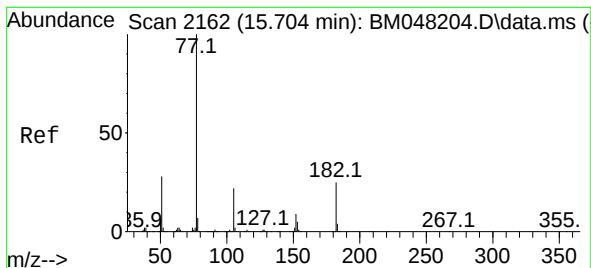
Tgt Ion:204 Resp: 89704
Ion Ratio Lower Upper
204 100
206 32.4 26.2 39.4
141 55.6 47.0 70.6



#62
4-Nitroaniline
Concen: 2.262 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Tgt Ion:138 Resp: 26982
Ion Ratio Lower Upper
138 100
92 55.2 26.9 66.9
108 67.7 51.3 91.3





#63

Azobenzene

Concen: 3.176 ng

RT: 15.698 min Scan# 2161

Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion: 77 Resp: 157880

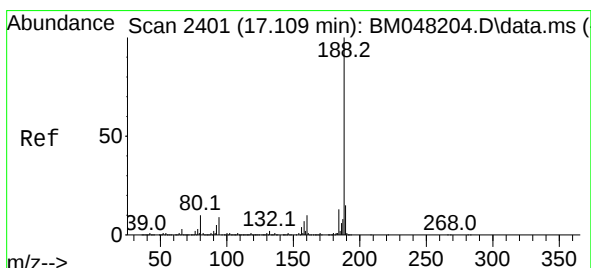
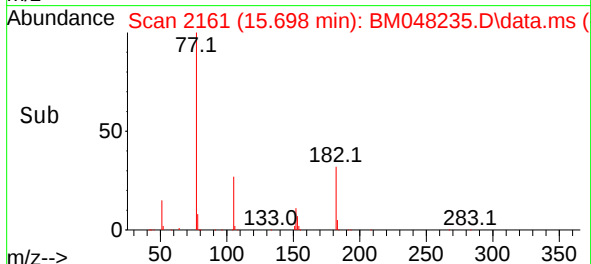
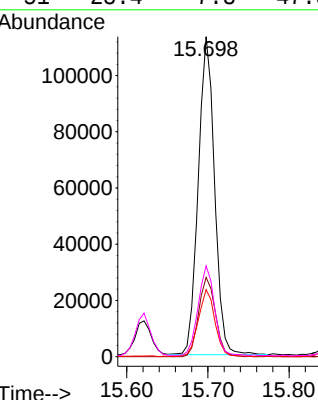
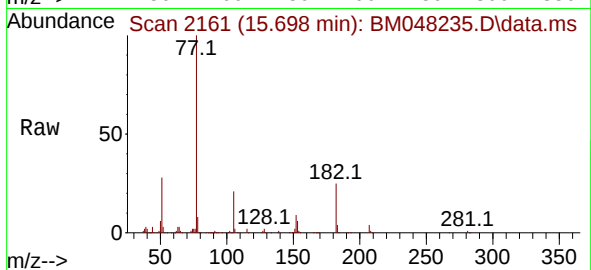
Ion Ratio Lower Upper

77 100

182 24.7 5.3 45.3

105 21.0 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: BM048235.D

Acq: 25 Oct 2024 14:17

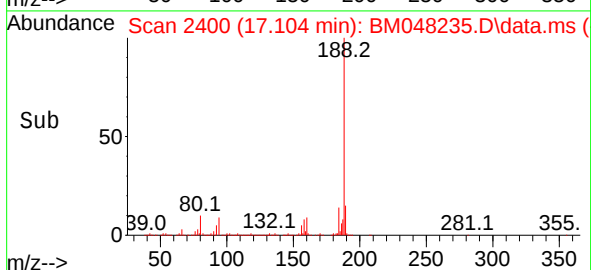
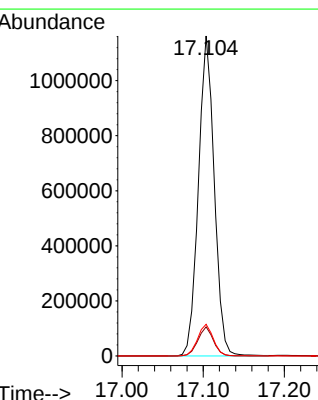
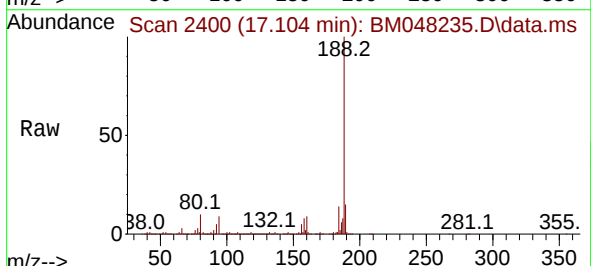
Tgt Ion:188 Resp: 1572652

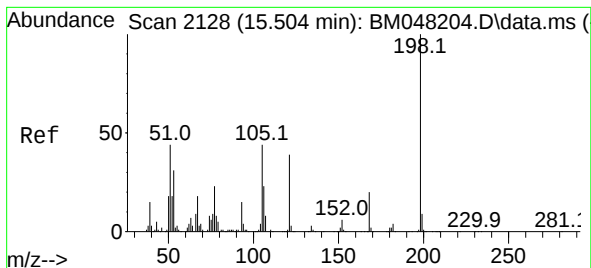
Ion Ratio Lower Upper

188 100

94 9.1 7.3 10.9

80 9.9 8.0 12.0

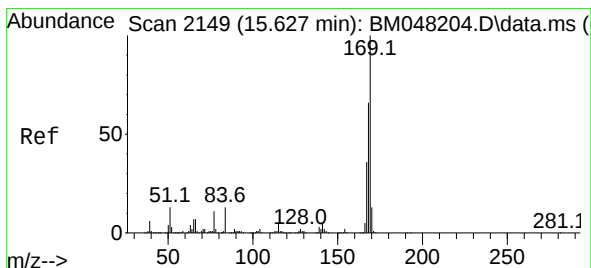
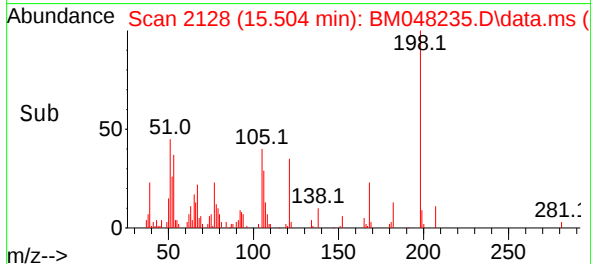
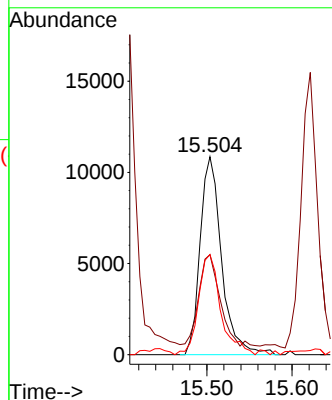
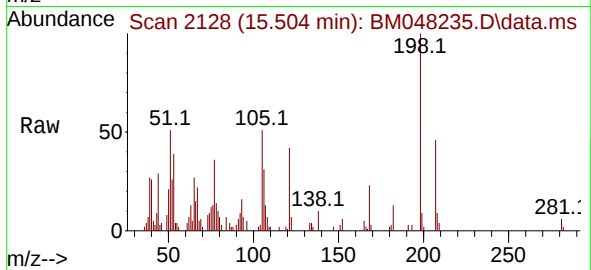




#65
4,6-Dinitro-2-methylphenol
Concen: 2.080 ng
RT: 15.504 min Scan# 2128
Delta R.T. 0.000 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

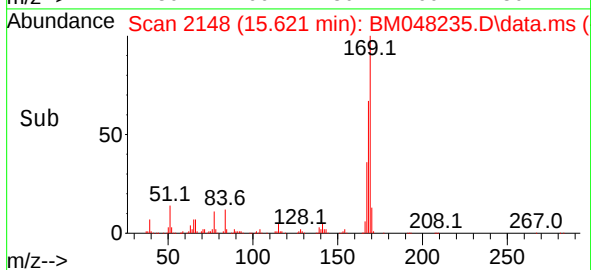
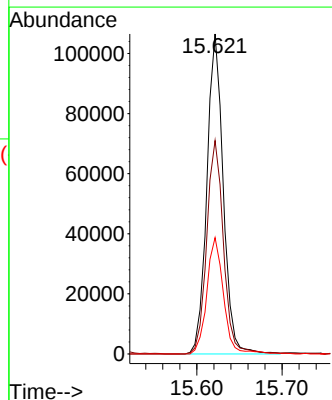
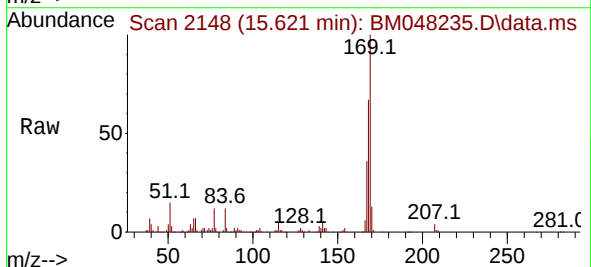
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

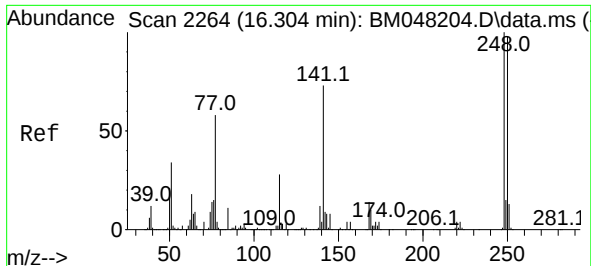
Tgt Ion:198 Resp: 18982
Ion Ratio Lower Upper
198 100
51 50.6 25.4 65.4
105 50.6 23.9 63.9



#66
n-Nitrosodiphenylamine
Concen: 3.293 ng
RT: 15.621 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Tgt Ion:169 Resp: 142186
Ion Ratio Lower Upper
169 100
168 66.7 52.9 79.3
167 36.3 29.3 43.9





#67

4-Bromophenyl-phenylether

Concen: 3.297 ng

RT: 16.298 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

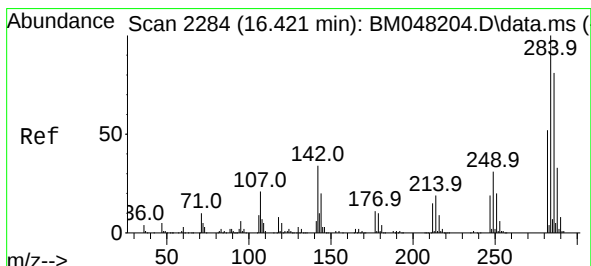
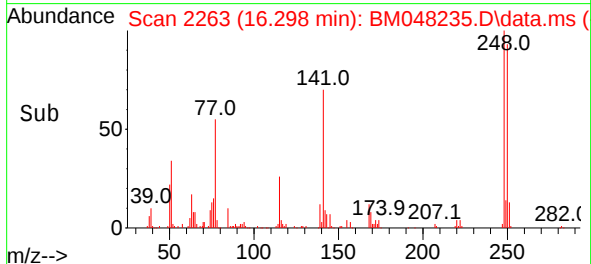
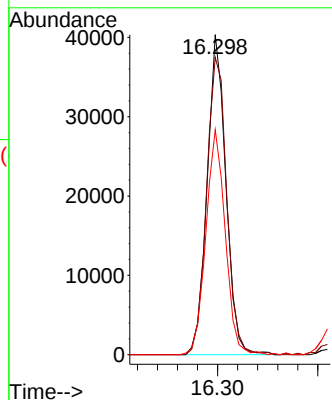
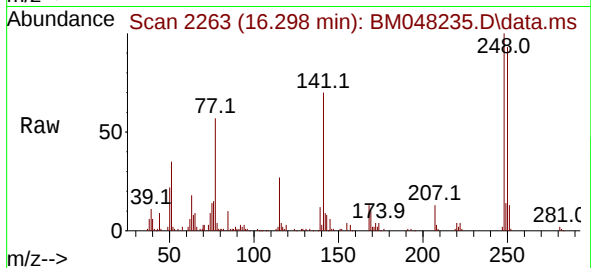
Tgt Ion:248 Resp: 52568

Ion Ratio Lower Upper

248 100

250 92.9 78.3 117.5

141 70.3 58.0 87.0



#68

Hexachlorobenzene

Concen: 3.358 ng

RT: 16.415 min Scan# 2283

Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

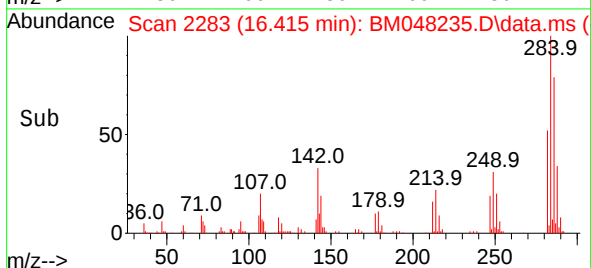
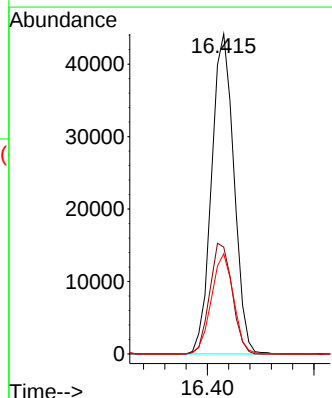
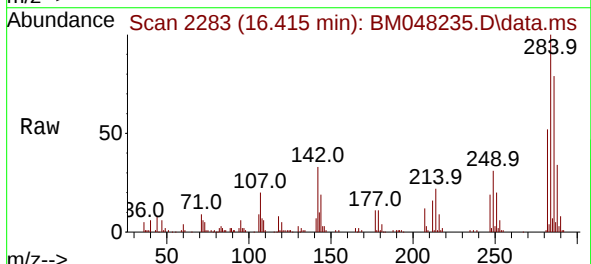
Tgt Ion:284 Resp: 64305

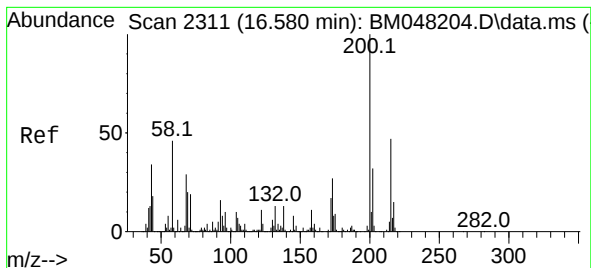
Ion Ratio Lower Upper

284 100

142 33.4 27.0 40.4

249 31.3 24.6 36.8





#69

Atrazine

Concen: 3.950 ng

RT: 16.574 min Scan# 2310

Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

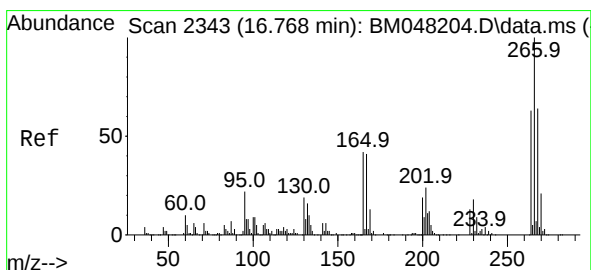
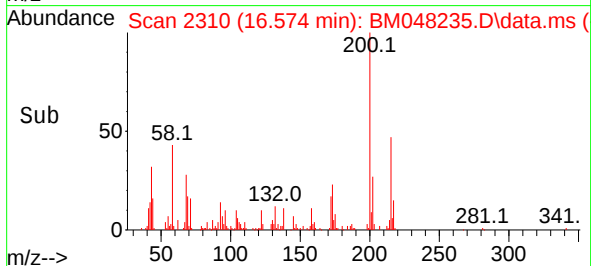
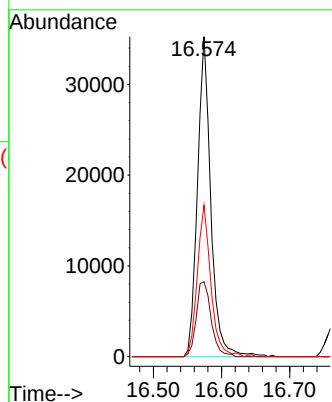
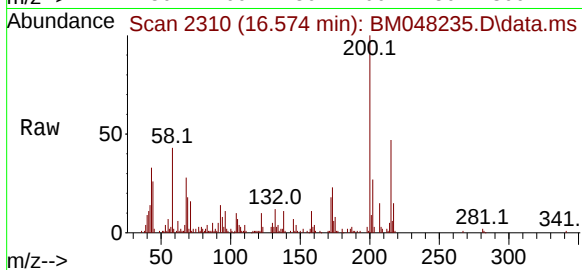
Tgt Ion:200 Resp: 47714

Ion Ratio Lower Upper

200 100

173 23.5 6.5 46.5

215 47.3 27.2 67.2



#70

Pentachlorophenol

Concen: 2.582 ng

RT: 16.768 min Scan# 2343

Delta R.T. 0.000 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

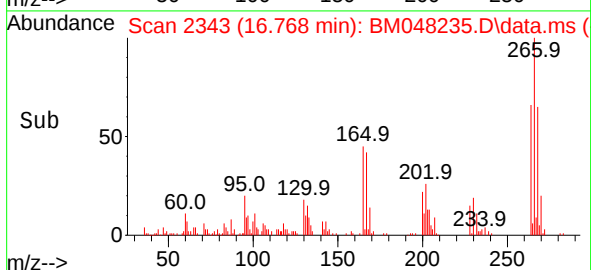
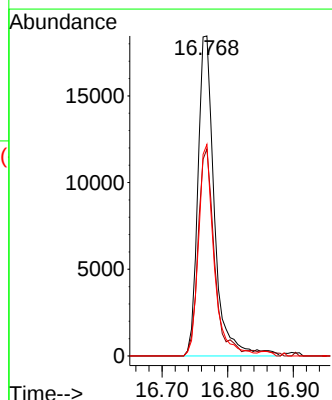
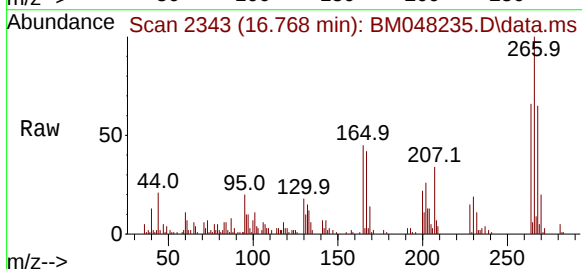
Tgt Ion:266 Resp: 32464

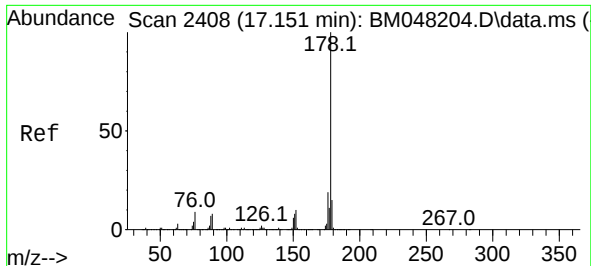
Ion Ratio Lower Upper

266 100

268 64.7 50.8 76.2

264 66.1 50.2 75.2

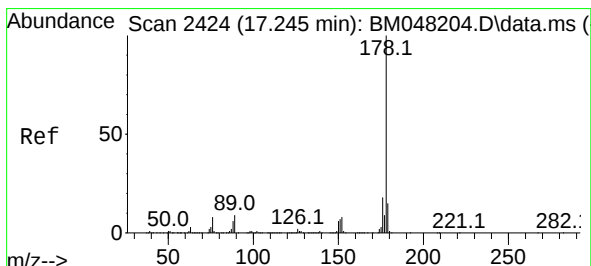
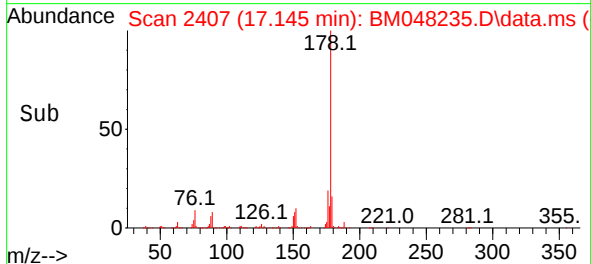
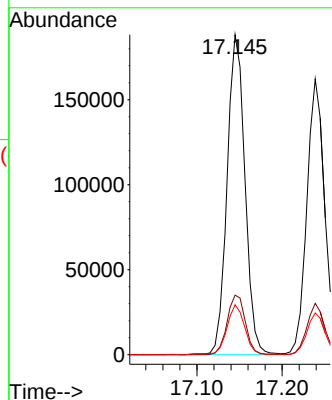
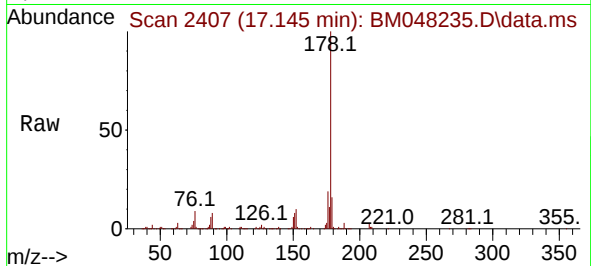




#71
Phenanthrene
Concen: 3.520 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

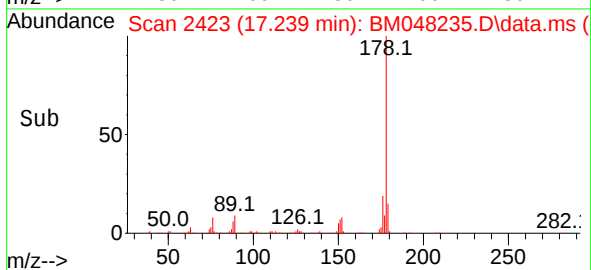
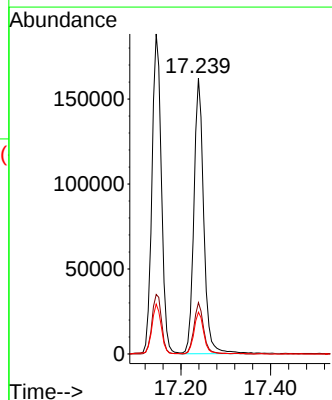
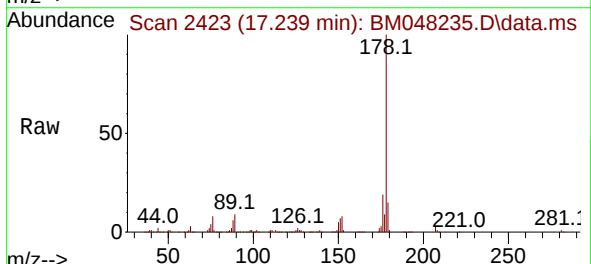
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

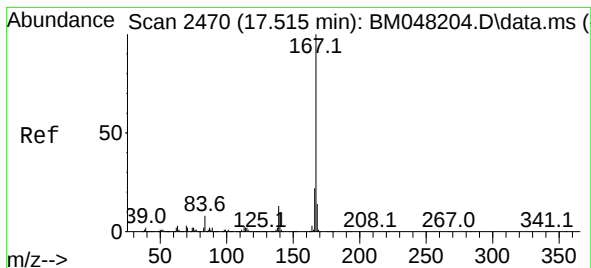
Tgt Ion:178 Resp: 274126
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 15.6 12.4 18.6



#72
Anthracene
Concen: 3.261 ng
RT: 17.239 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Tgt Ion:178 Resp: 245854
Ion Ratio Lower Upper
178 100
176 18.6 14.8 22.2
179 15.1 12.2 18.2





#73

Carbazole

Concen: 3.074 ng

RT: 17.515 min Scan# 2470

Delta R.T. 0.000 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

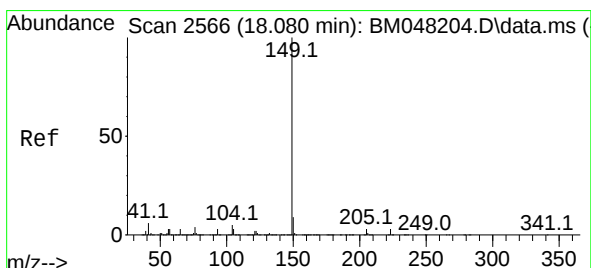
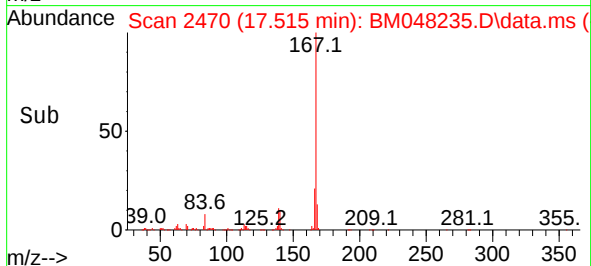
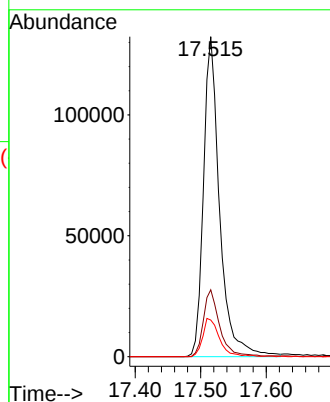
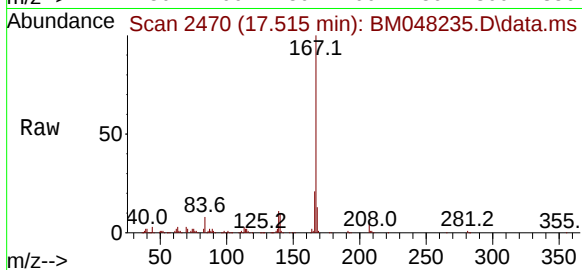
Tgt Ion:167 Resp: 227146

Ion Ratio Lower Upper

167 100

166 20.9 17.2 25.8

139 11.4 10.4 15.6



#74

Di-n-butylphthalate

Concen: 2.942 ng

RT: 18.074 min Scan# 2565

Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

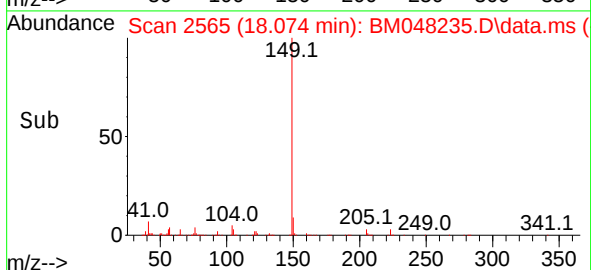
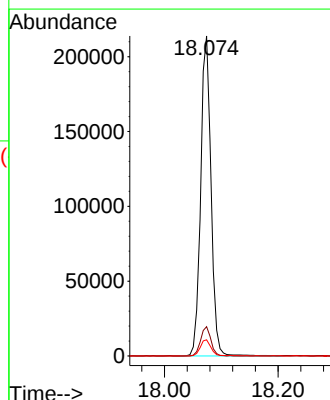
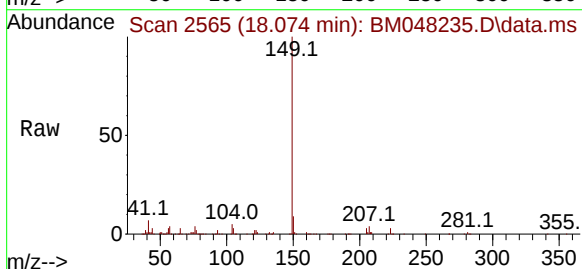
Tgt Ion:149 Resp: 270595

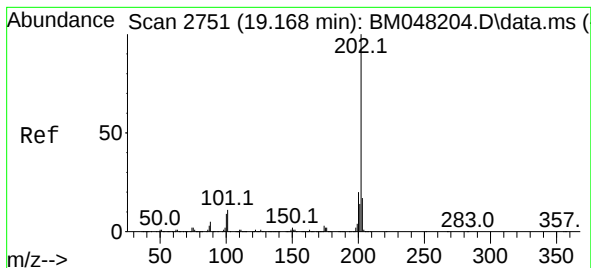
Ion Ratio Lower Upper

149 100

150 9.2 7.2 10.8

104 5.0 3.8 5.6





#75

Fluoranthene

Concen: 3.144 ng

RT: 19.162 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

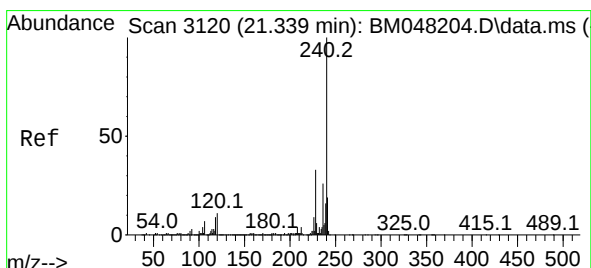
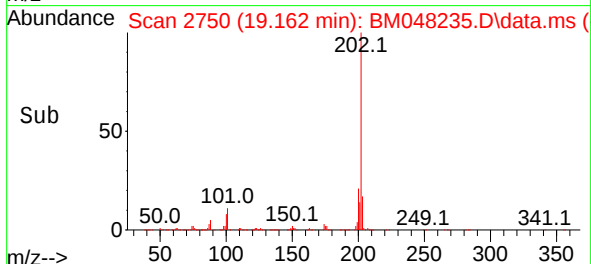
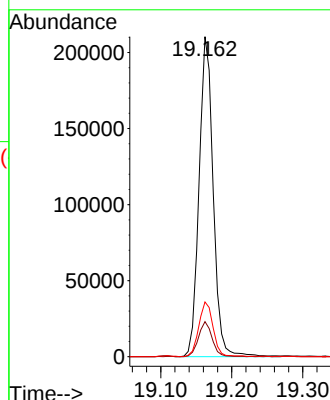
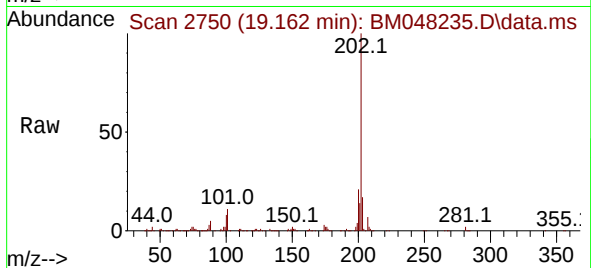
Tgt Ion:202 Resp: 292084

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.0

203 17.1 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: BM048235.D

Acq: 25 Oct 2024 14:17

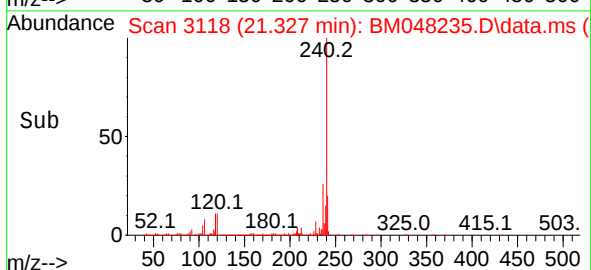
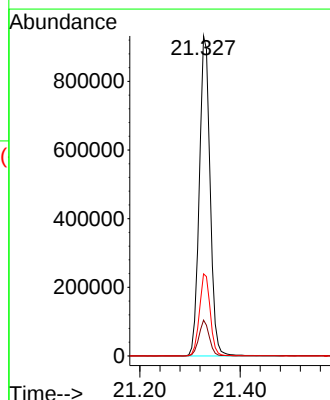
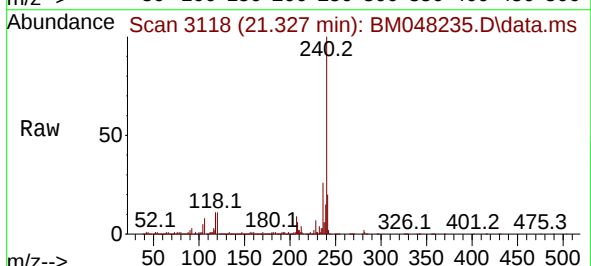
Tgt Ion:240 Resp: 1387154

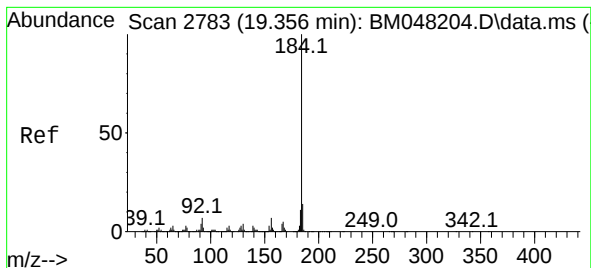
Ion Ratio Lower Upper

240 100

120 11.2 8.6 13.0

236 25.6 20.7 31.1





#77

Benzidine

Concen: 2.297 ng

RT: 19.356 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

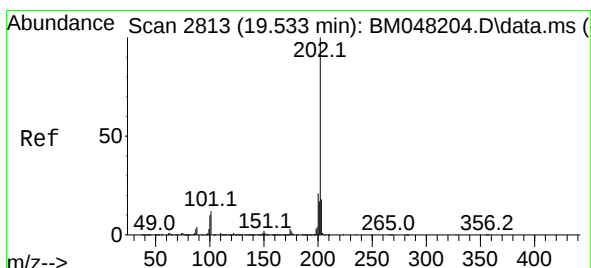
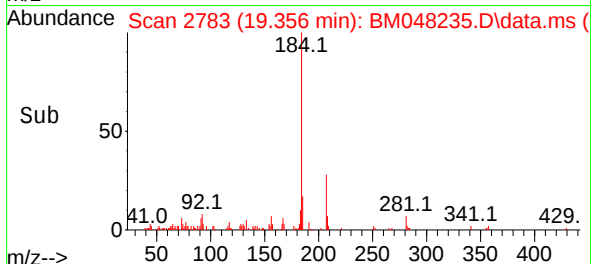
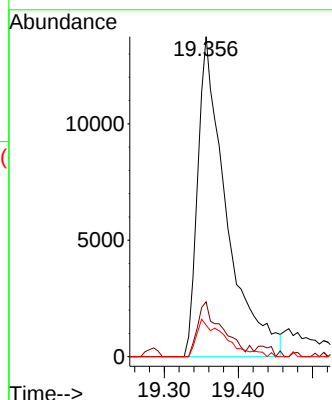
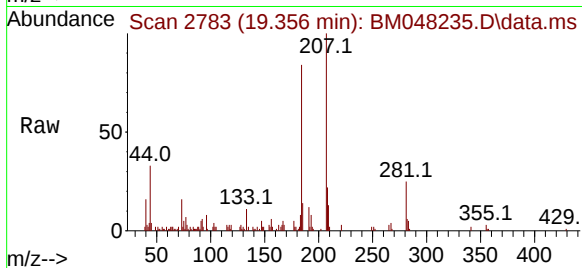
Tgt Ion:184 Resp: 36772

Ion Ratio Lower Upper

184 100

185 17.2 11.4 17.0#

183 9.9 9.0 13.4



#78

Pyrene

Concen: 3.300 ng

RT: 19.527 min Scan# 2812

Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

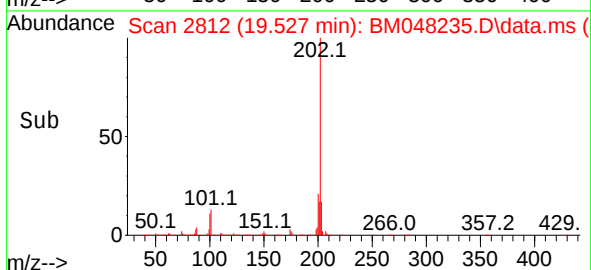
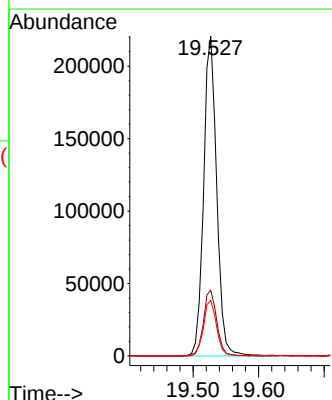
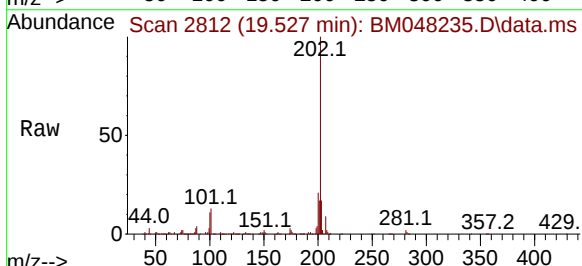
Tgt Ion:202 Resp: 306418

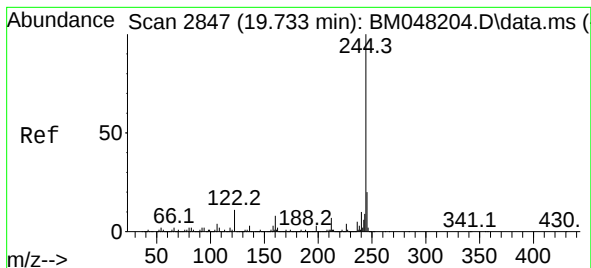
Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

203 17.4 14.1 21.1





#79

Terphenyl-d14

Concen: 65.184 ng

RT: 19.733 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

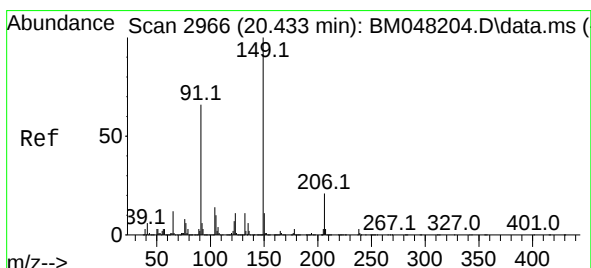
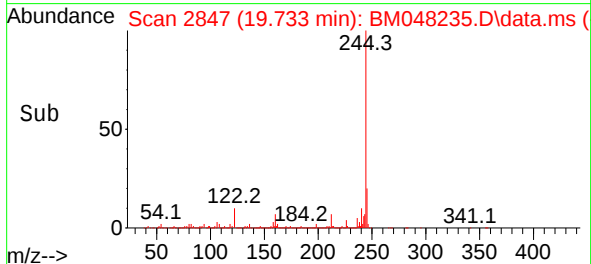
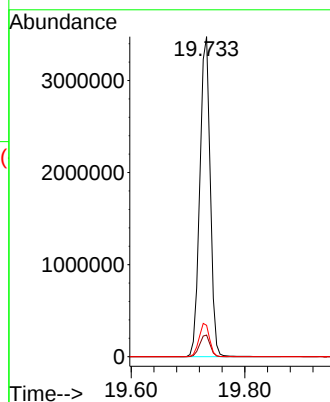
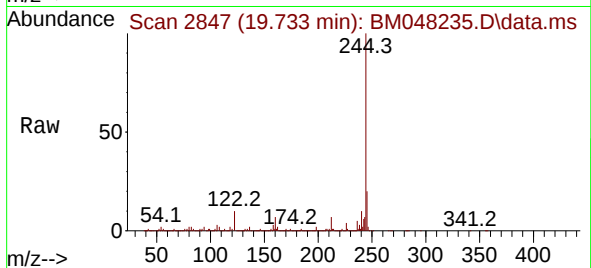
Tgt Ion:244 Resp: 4430772

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 9.8 8.8 13.2



#80

Butylbenzylphthalate

Concen: 2.739 ng

RT: 20.421 min Scan# 2964

Delta R.T. -0.012 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

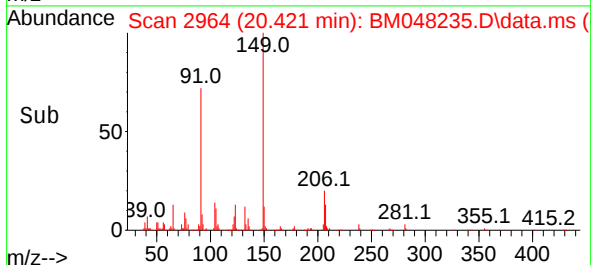
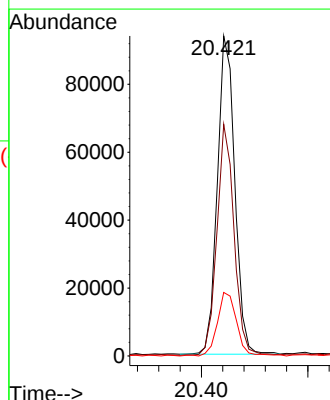
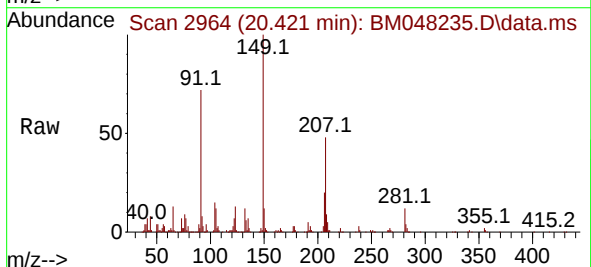
Tgt Ion:149 Resp: 106343

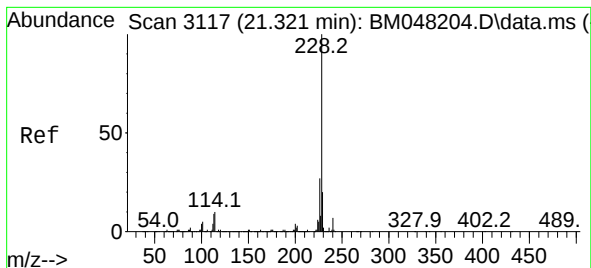
Ion Ratio Lower Upper

149 100

91 72.4 52.5 78.7

206 19.9 17.0 25.6





#81

Benzo(a)anthracene

Concen: 3.383 ng

RT: 21.309 min Scan# 3115

Delta R.T. -0.012 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

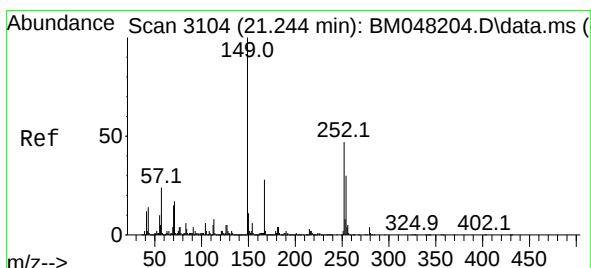
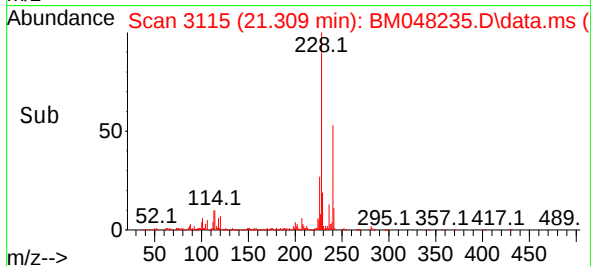
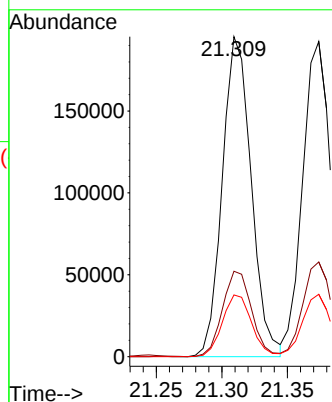
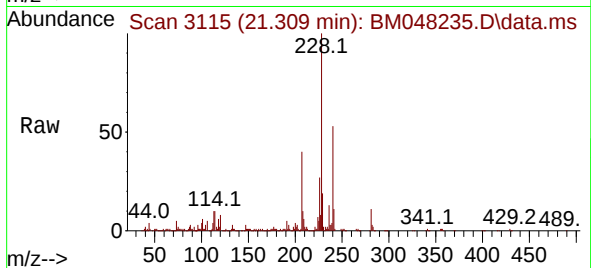
Tgt Ion:228 Resp: 299845

Ion Ratio Lower Upper

228 100

226 26.7 21.5 32.3

229 19.3 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 2.895 ng

RT: 21.244 min Scan# 3104

Delta R.T. 0.000 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

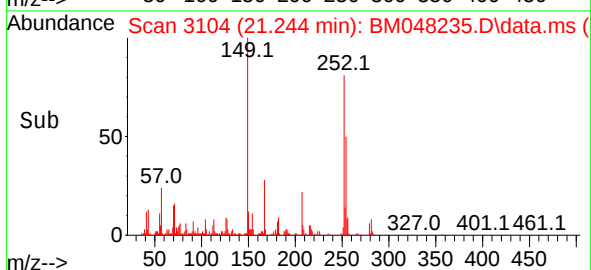
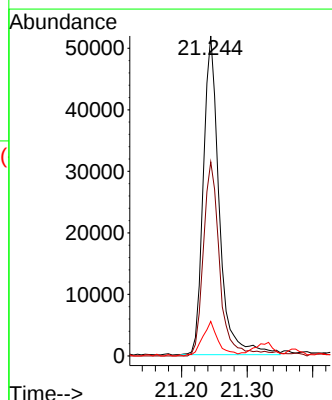
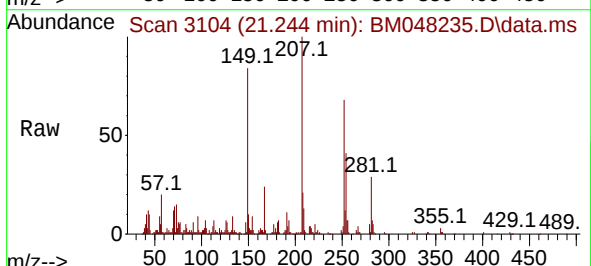
Tgt Ion:252 Resp: 87910

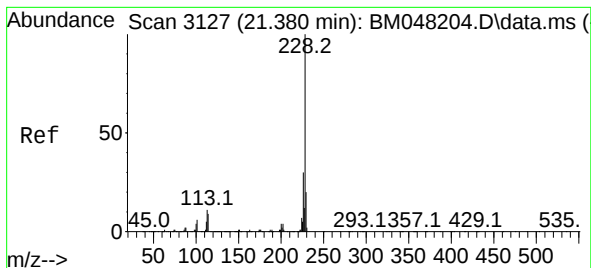
Ion Ratio Lower Upper

252 100

254 60.7 51.8 77.8

126 10.8 8.8 13.2





#83

Chrysene

Concen: 3.424 ng

RT: 21.374 min Scan# 3127

Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

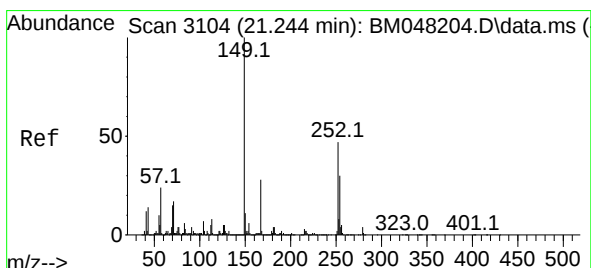
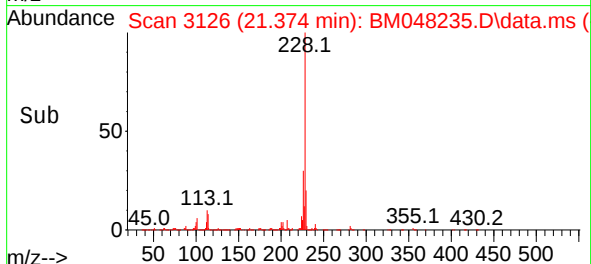
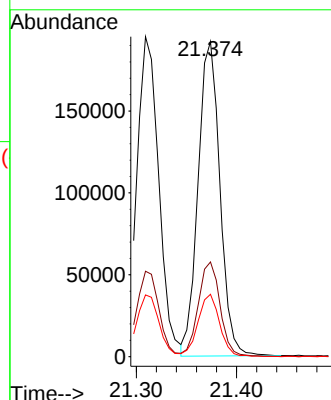
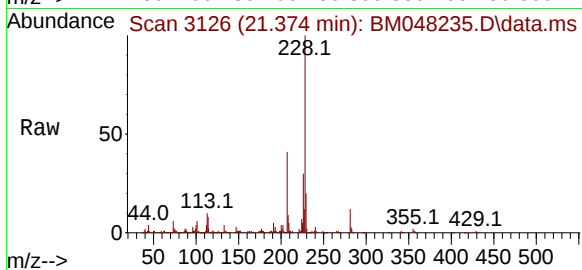
Tgt Ion:228 Resp: 291311

Ion Ratio Lower Upper

228 100

226 30.1 23.5 35.3

229 19.8 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.829 ng

RT: 21.233 min Scan# 3102

Delta R.T. -0.012 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

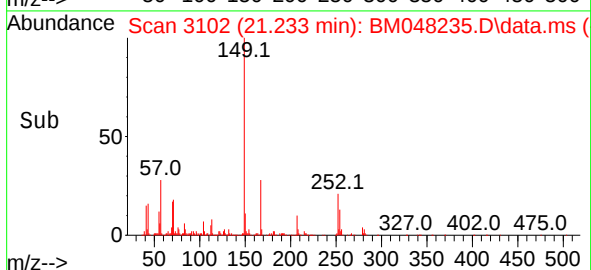
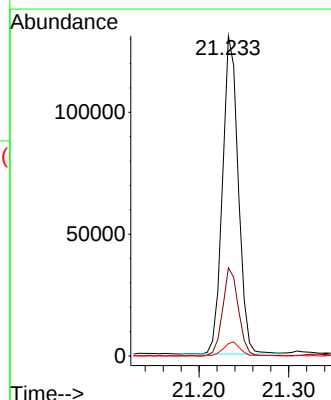
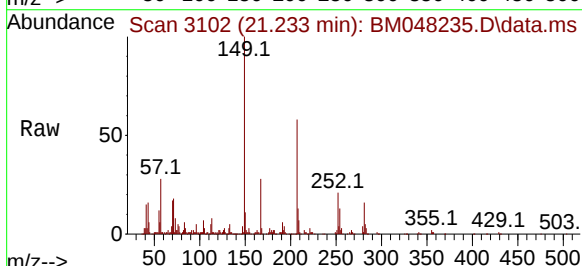
Tgt Ion:149 Resp: 159647

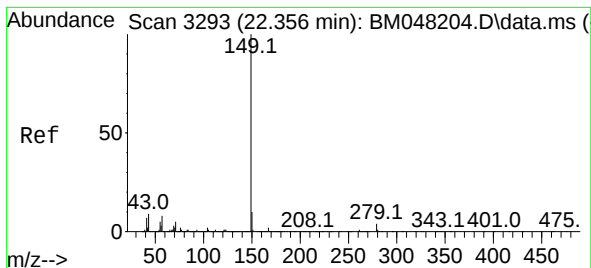
Ion Ratio Lower Upper

149 100

167 27.6 22.5 33.7

279 3.8 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 2.412 ng

RT: 22.344 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

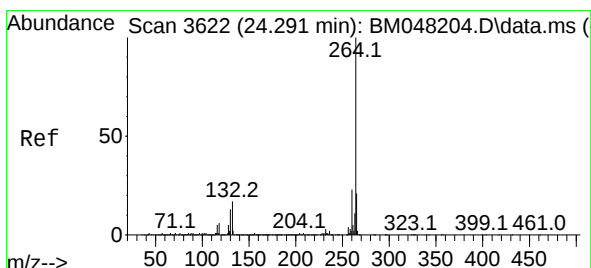
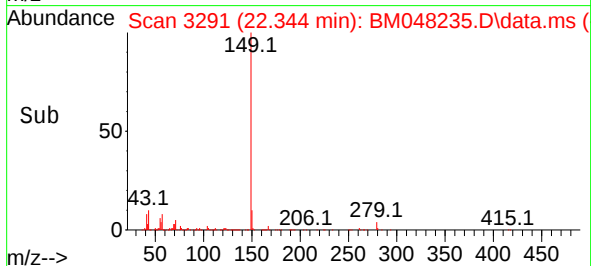
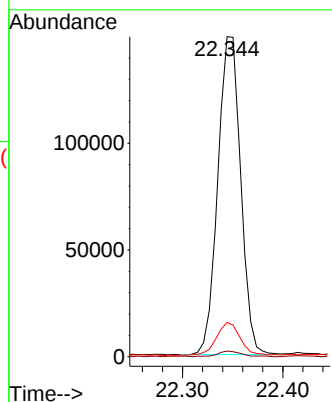
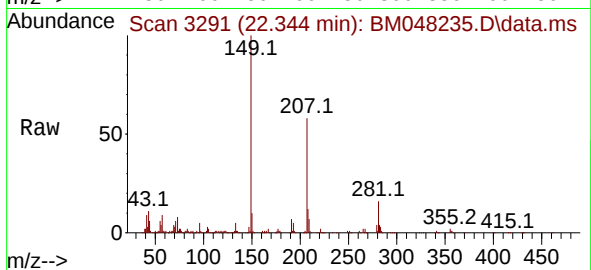
Tgt Ion:149 Resp: 235728

Ion Ratio Lower Upper

149 100

167 1.9 1.2 1.8#

43 11.4 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: BM048235.D

Acq: 25 Oct 2024 14:17

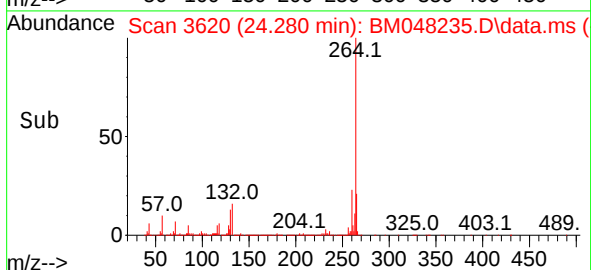
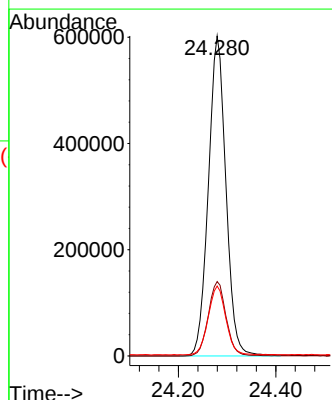
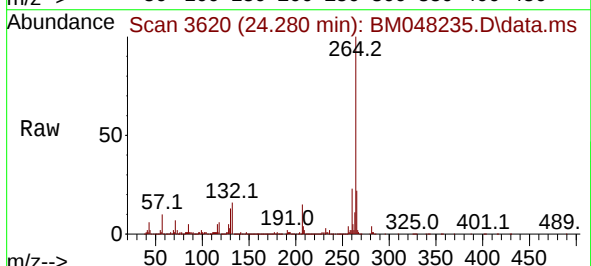
Tgt Ion:264 Resp: 1501452

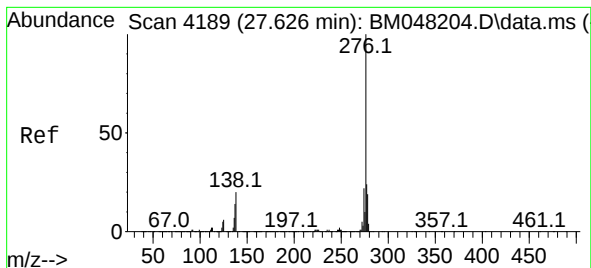
Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

265 21.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.299 ng

RT: 27.597 min Scan# 41

Delta R.T. -0.029 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

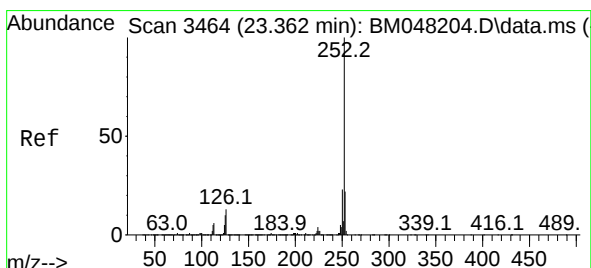
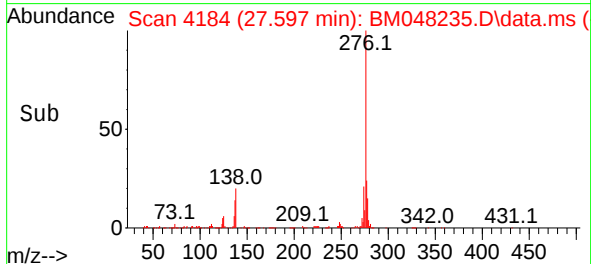
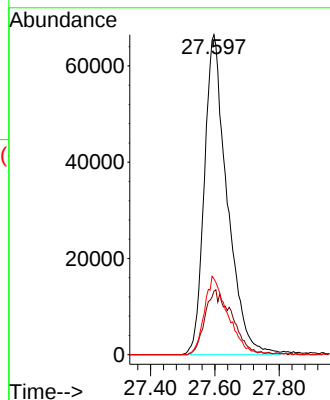
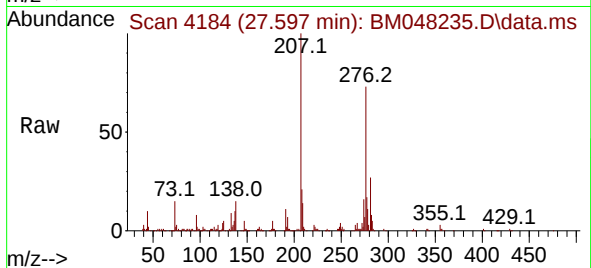
Tgt Ion:276 Resp: 327561

Ion Ratio Lower Upper

276 100

138 23.9 19.8 29.6

277 25.3 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 3.257 ng

RT: 23.344 min Scan# 3461

Delta R.T. -0.018 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

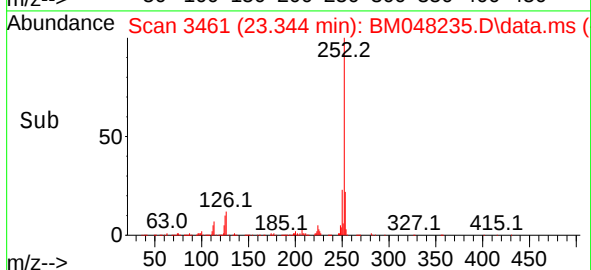
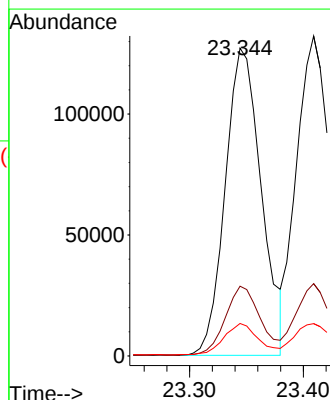
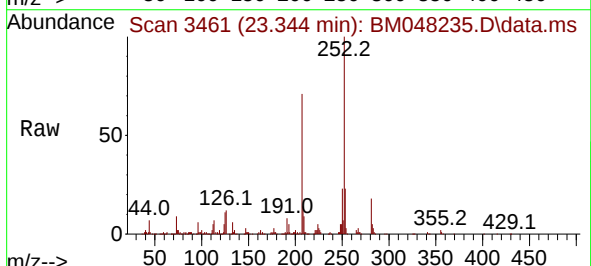
Tgt Ion:252 Resp: 280420

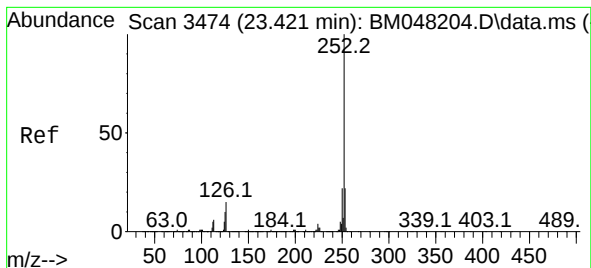
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

125 10.5 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 3.388 ng

RT: 23.409 min Scan# 3474

Delta R.T. -0.012 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

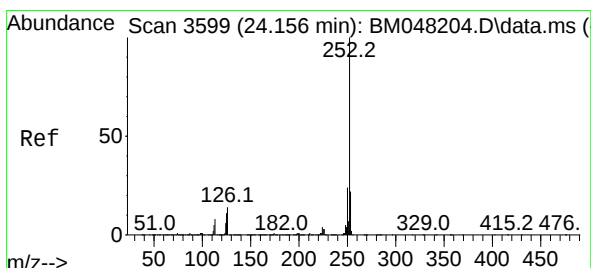
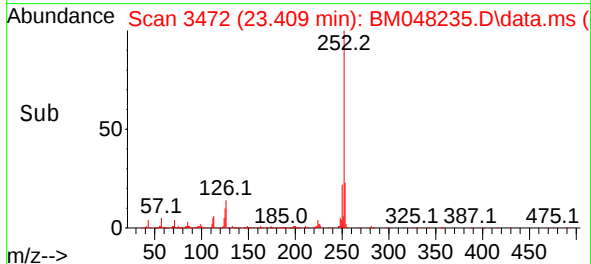
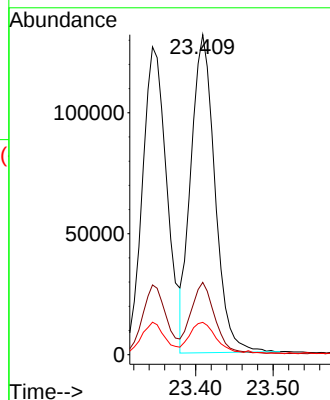
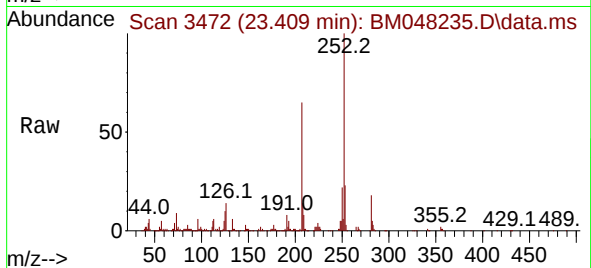
Tgt Ion:252 Resp: 281963

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 10.1 7.8 11.6



#90

Benzo(a)pyrene

Concen: 3.310 ng

RT: 24.138 min Scan# 3596

Delta R.T. -0.018 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

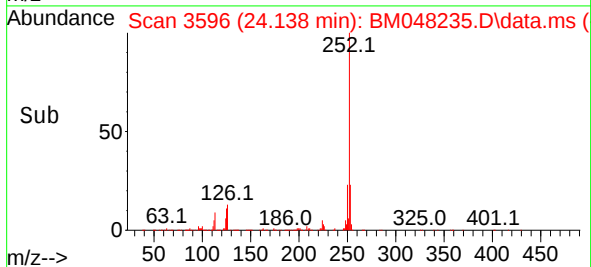
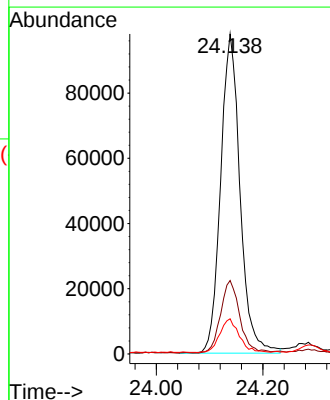
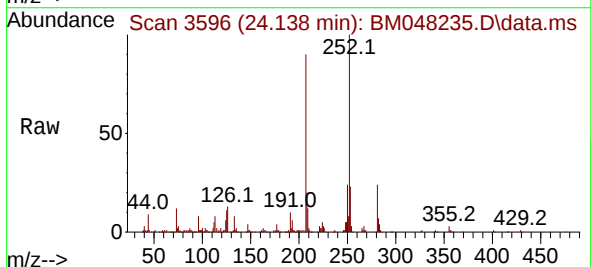
Tgt Ion:252 Resp: 247747

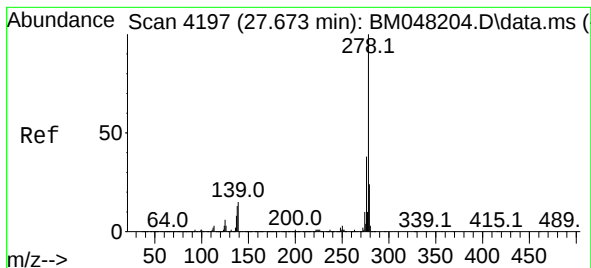
Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

125 11.0 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 3.237 ng

RT: 27.656 min Scan# 41

Delta R.T. -0.018 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

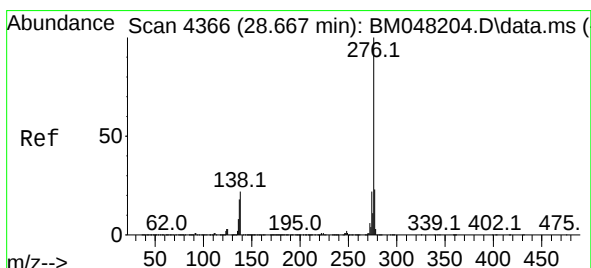
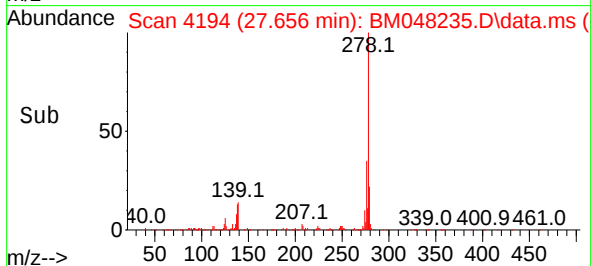
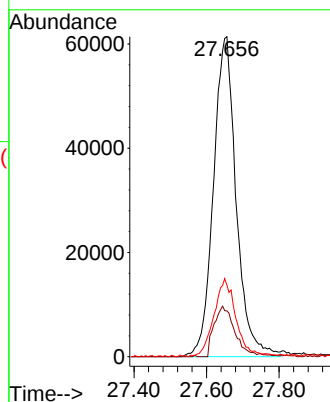
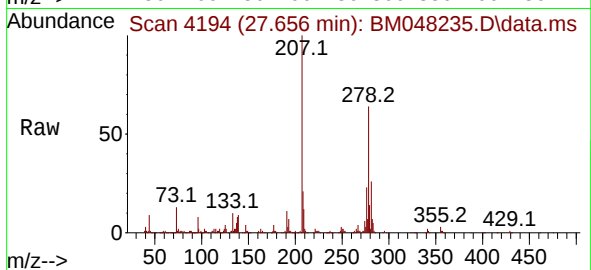
Tgt Ion:278 Resp: 267676

Ion Ratio Lower Upper

278 100

139 14.3 12.2 18.4

279 22.3 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 3.025 ng

RT: 28.632 min Scan# 4360

Delta R.T. -0.035 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Tgt Ion:276 Resp: 256082

Ion Ratio Lower Upper

276 100

277 23.3 18.5 27.7

138 21.9 17.5 26.3

