

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
 Data File : BM047591.D
 Acq On : 20 Sep 2024 16:21
 Operator : RC/JU
 Sample : P2403-03
 Misc : MDL-MDL-SOIL 4 ppm
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Sep 21 03:24:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 21 02:22:39 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	270143	20.000	ng	0.00
21) Naphthalene-d8	10.639	136	1132660	20.000	ng	0.00
39) Acenaphthene-d10	14.474	164	602287	20.000	ng	0.00
64) Phenanthrene-d10	17.209	188	1118044	20.000	ng	0.00
76) Chrysene-d12	21.433	240	951186	20.000	ng	0.00
86) Perylene-d12	24.462	264	1063953	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1818130	103.138	ng	0.00
7) Phenol-d6	7.004	99	2349266	101.142	ng	0.00
23) Nitrobenzene-d5	8.998	82	1474619	64.810	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	503944	90.361	ng	0.00
45) 2-Fluorobiphenyl	13.104	172	2697029	63.362	ng	0.00
79) Terphenyl-d14	19.827	244	3077517	58.053	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.316	88	26280	3.424	ng	99
3) Pyridine	3.722	79	60793	2.857	ng	97
4) n-Nitrosodimethylamine	3.622	42	28225	3.199	ng	# 92
6) Aniline	7.169	93	75026	3.770	ng	99
8) 2-Chlorophenol	7.410	128	60187	3.261	ng	93
9) Benzaldehyde	6.981	77	58273	4.916	ng	99
10) Phenol	7.028	94	75103	3.256	ng	83
11) bis(2-Chloroethyl)ether	7.269	93	61471	3.316	ng	97
12) 1,3-Dichlorobenzene	7.734	146	63740	3.123	ng	95
13) 1,4-Dichlorobenzene	7.881	146	65249	3.160	ng	94
14) 1,2-Dichlorobenzene	8.198	146	63127	3.171	ng	98
15) Benzyl Alcohol	8.081	79	44961	3.000	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.369	45	82437	3.489	ng	97
17) 2-Methylphenol	8.281	107	41729	2.879	ng	98
18) Hexachloroethane	8.928	117	26129	3.120	ng	94
19) n-Nitroso-di-n-propyla...	8.645	70	41061	2.886	ng	96
20) 3+4-Methylphenols	8.604	107	54979	2.785	ng	93
22) Acetophenone	8.663	105	87811	2.976	ng	# 98
24) Nitrobenzene	9.039	77	72005	3.064	ng	98
25) Isophorone	9.569	82	103569	2.724	ng	97
26) 2-Nitrophenol	9.751	139	18400	2.227	ng	100
27) 2,4-Dimethylphenol	9.810	122	33680	2.860	ng	97
28) bis(2-Chloroethoxy)met...	10.045	93	70109	2.866	ng	98
29) 2,4-Dichlorophenol	10.286	162	36566	2.456	ng	96
30) 1,2,4-Trichlorobenzene	10.504	180	48327	2.848	ng	97
31) Naphthalene	10.692	128	170440	2.844	ng	99
33) 4-Chloroaniline	10.792	127	59722	2.827	ng	97
34) Hexachlorobutadiene	10.986	225	24338	2.635	ng	95
36) 4-Chloro-3-methylphenol	11.916	107	39408	2.320	ng	95
37) 2-Methylnaphthalene	12.298	142	100970	2.682	ng	96
38) 1-Methylnaphthalene	12.522	142	94621	2.533	ng	96
40) 1,2,4,5-Tetrachloroben...	12.669	216	44050	2.771	ng	97
41) Hexachlorocyclopentadiene	12.657	237	17058	3.251	ng	95
43) 2,4,6-Trichlorophenol	12.904	196	22773	2.205	ng	96
44) 2,4,5-Trichlorophenol	12.974	196	25616	2.206	ng	91
46) 1,1'-Biphenyl	13.310	154	135773	2.919	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
 Data File : BM047591.D
 Acq On : 20 Sep 2024 16:21
 Operator : RC/JU
 Sample : P2403-03
 Misc : MDL-MDL-SOIL 4 ppm
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Sep 21 03:24:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 21 02:22:39 2024
 Response via : Initial Calibration

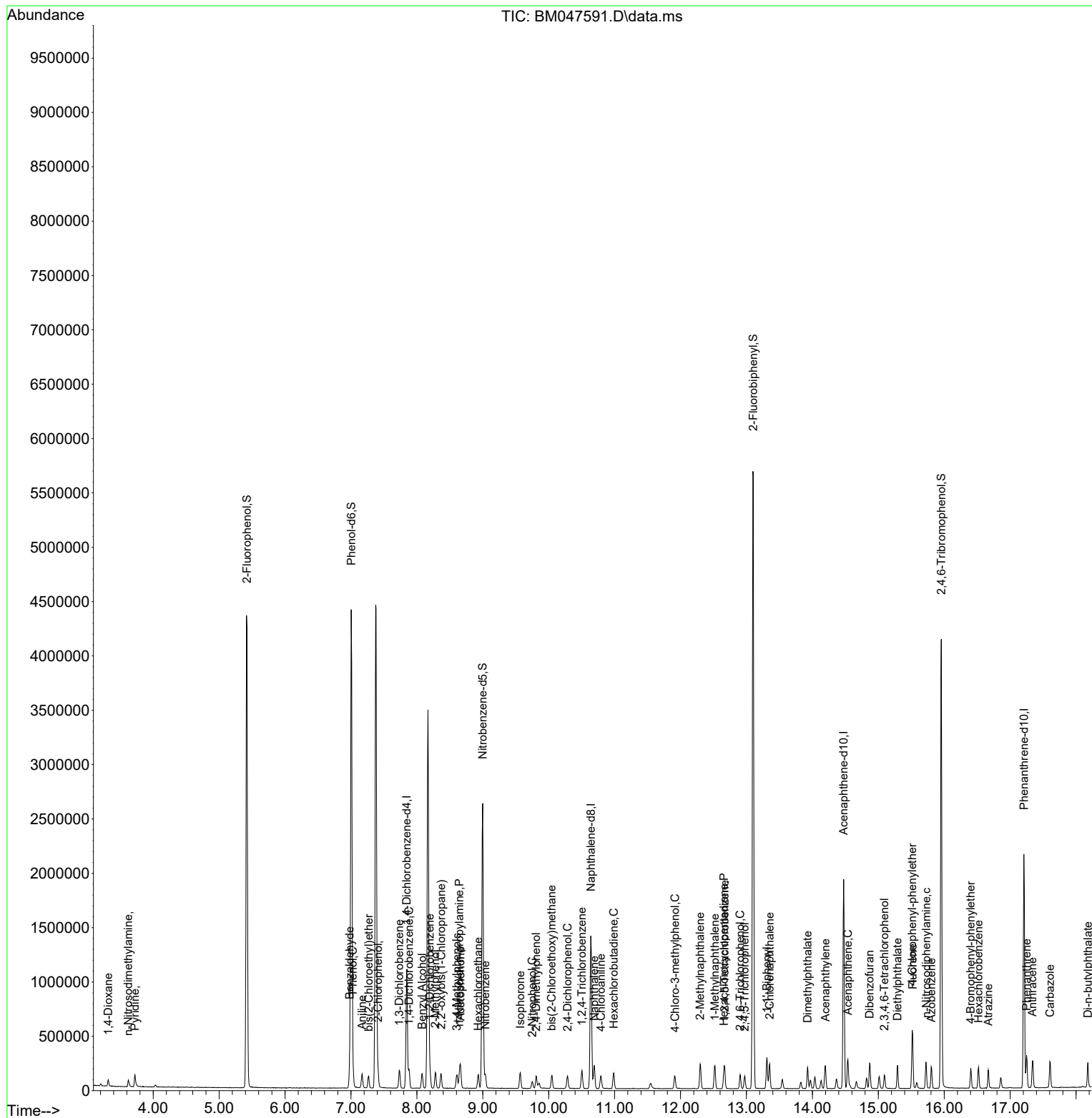
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	13.351	162	100143	2.752	ng	98
49) Acenaphthylene	14.198	152	147582	2.818	ng	97
50) Dimethylphthalate	13.927	163	109188	2.626	ng	99
52) Acenaphthene	14.539	154	92455	2.672	ng	97
55) Dibenzofuran	14.868	168	137972	2.729	ng	97
58) Fluorene	15.521	166	108491	2.424	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.092	232	19206	2.164	ng	93
60) Diethylphthalate	15.292	149	108011	2.436	ng	99
61) 4-Chlorophenyl-phenyle...	15.515	204	46170	2.361	ng	97
63) Azobenzene	15.804	77	117747	2.429	ng	99
66) n-Nitrosodiphenylamine	15.727	169	84152	2.520	ng	100
67) 4-Bromophenyl-phenylether	16.404	248	24503	2.413	ng	98
68) Hexachlorobenzene	16.521	284	30186	2.542	ng	98
69) Atrazine	16.668	200	22500	2.799	ng	95
71) Phenanthrene	17.251	178	162002	2.669	ng	100
72) Anthracene	17.339	178	147707	2.569	ng	98
73) Carbazole	17.604	167	140194	2.340	ng	99
74) Di-n-butylphthalate	18.180	149	149245	2.059	ng	98
75) Fluoranthene	19.256	202	151631	2.270	ng	98
77) Benzidine	19.439	184	44712	3.452	ng	98
78) Pyrene	19.621	202	160392	2.409	ng	99
81) Benzo(a)anthracene	21.415	228	166773	2.666	ng	100
82) 3,3'-Dichlorobenzidine	21.339	252	41184	2.120	ng	97
83) Chrysene	21.480	228	163191	2.744	ng	99
87) Indeno(1,2,3-cd)pyrene	27.873	276	184551	2.523	ng #	78
88) Benzo(b)fluoranthene	23.503	252	154250	2.307	ng	97
89) Benzo(k)fluoranthene	23.503	252	154250	2.350	ng	97
90) Benzo(a)pyrene	24.315	252	141623	2.498	ng	96
91) Dibenzo(a,h)anthracene	27.938	278	148735	2.434	ng	98
92) Benzo(g,h,i)perylene	28.932	276	145680	2.379	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047591.D
Acq On : 20 Sep 2024 16:21
Operator : RC/JU
Sample : P2403-03
Misc : MDL-MDL-SOIL 4 ppm
ALS Vial : 12 Sample Multiplier: 1

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

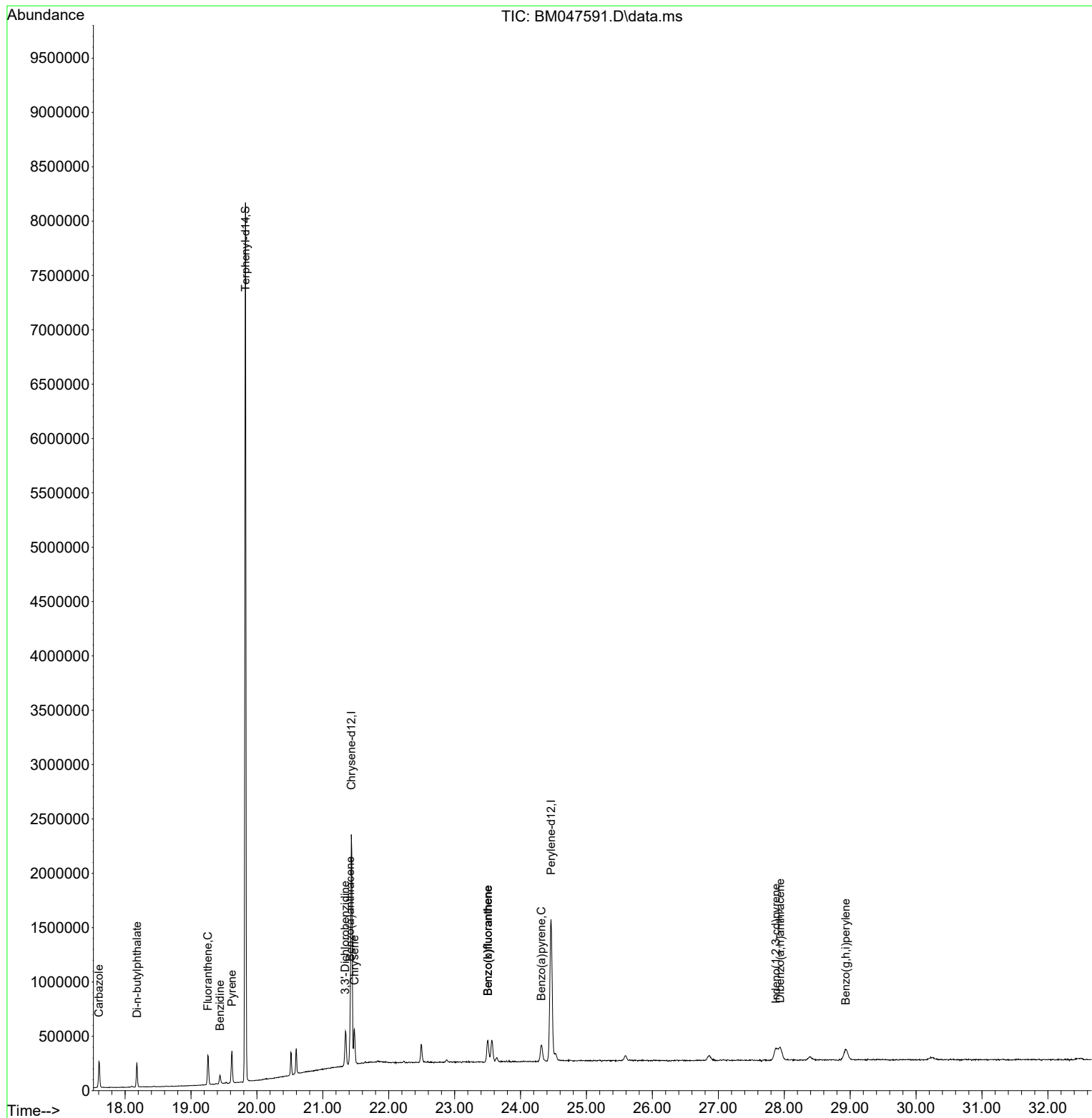
Quant Time: Sep 21 03:24:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 2024
Response via : Initial Calibration

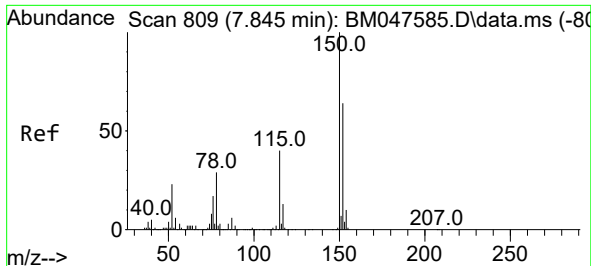


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047591.D
Acq On : 20 Sep 2024 16:21
Operator : RC/JU
Sample : P2403-03
Misc : MDL-MDL-SOIL 4 ppm
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Sep 21 03:24:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 2024
Response via : Initial Calibration

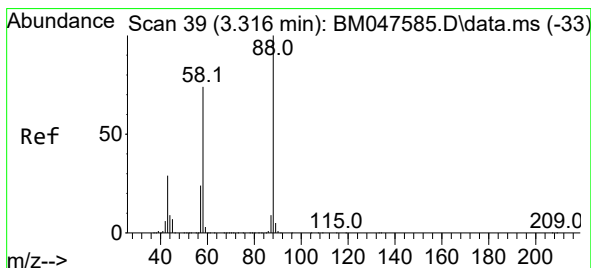
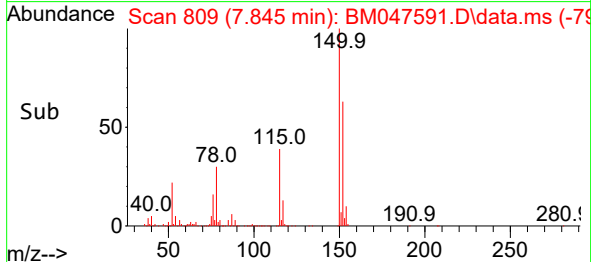
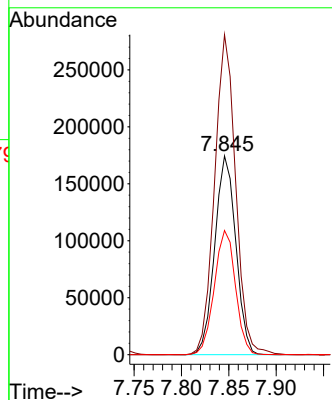
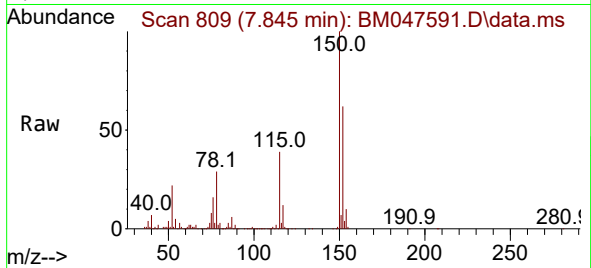




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.845 min Scan# 809
 Delta R.T. 0.000 min
 Lab File: BM047591.D
 Acq: 20 Sep 2024 16:21

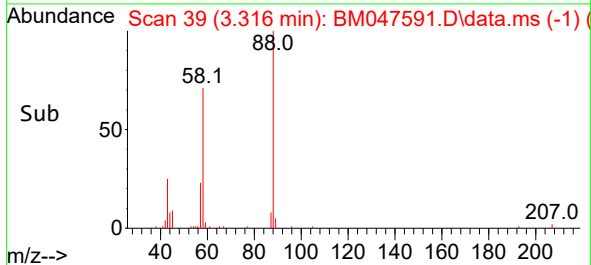
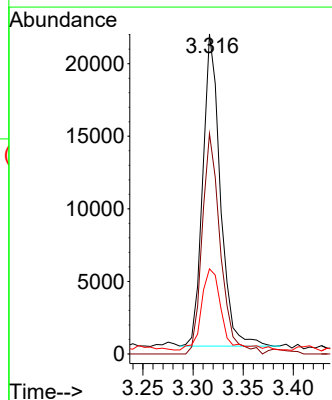
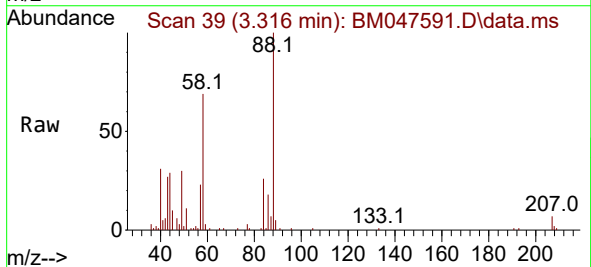
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

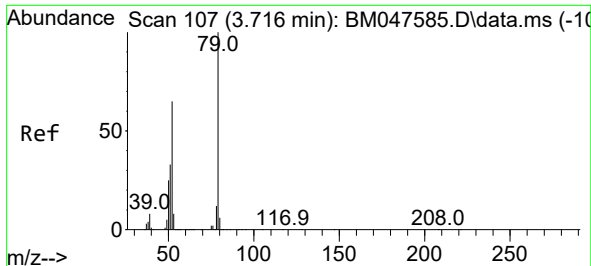
Tgt Ion:152 Resp: 270143
 Ion Ratio Lower Upper
 152 100
 150 161.0 124.5 186.7
 115 62.4 49.9 74.9



#2
 1,4-Dioxane
 Concen: 3.424 ng
 RT: 3.316 min Scan# 39
 Delta R.T. 0.000 min
 Lab File: BM047591.D
 Acq: 20 Sep 2024 16:21

Tgt Ion: 88 Resp: 26280
 Ion Ratio Lower Upper
 88 100
 58 73.0 58.0 87.0
 43 29.8 23.1 34.7

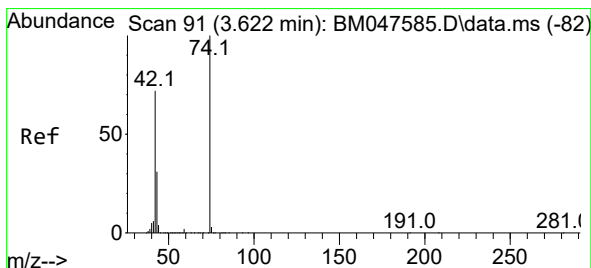
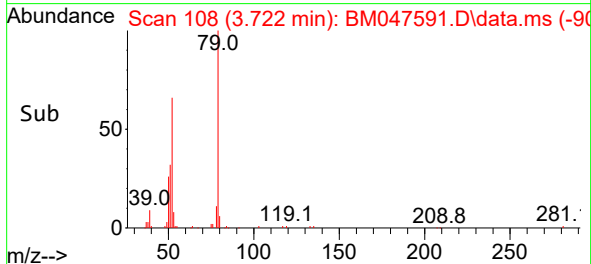
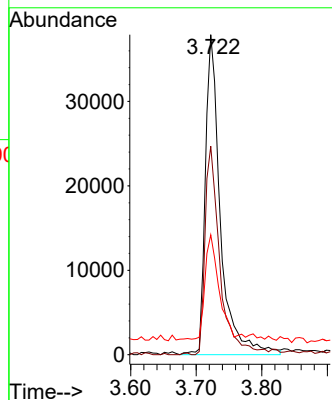
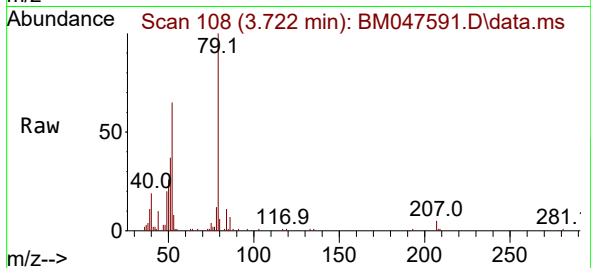




#3
Pyridine
Concen: 2.857 ng
RT: 3.722 min Scan# 107
Delta R.T. 0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

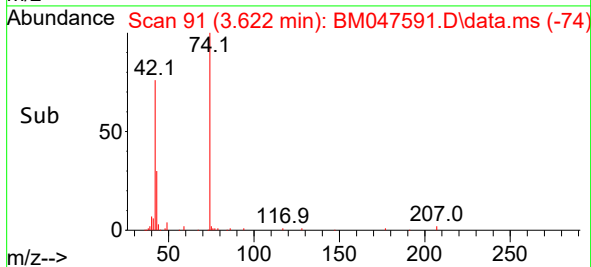
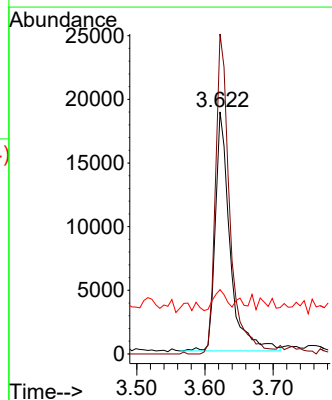
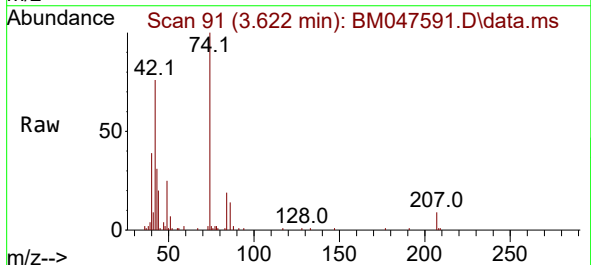
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024

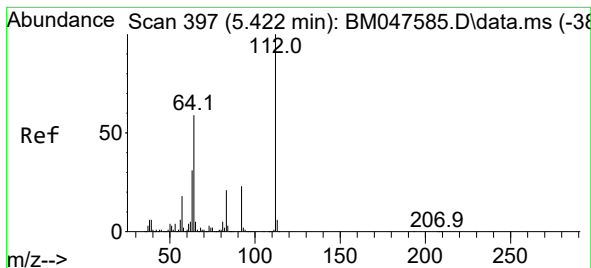
Tgt Ion: 79 Resp: 60793
Ion Ratio Lower Upper
79 100
52 65.1 52.2 78.2
51 37.4 26.5 39.7



#4
n-Nitrosodimethylamine
Concen: 3.199 ng
RT: 3.622 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Tgt Ion: 42 Resp: 28225
Ion Ratio Lower Upper
42 100
74 132.2 110.8 166.2
44 26.6 6.1 9.1





#5

2-Fluorophenol

Concen: 103.138 ng

RT: 5.422 min Scan# 397

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

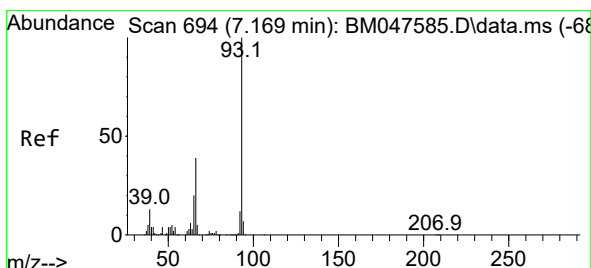
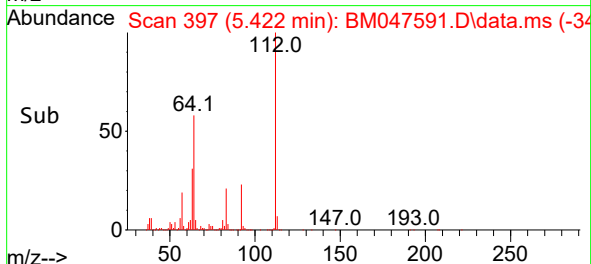
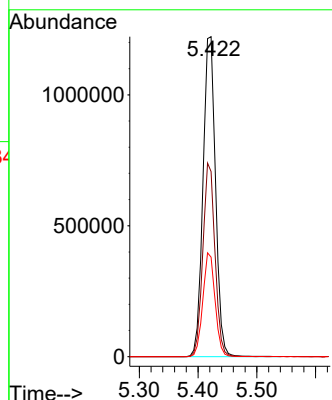
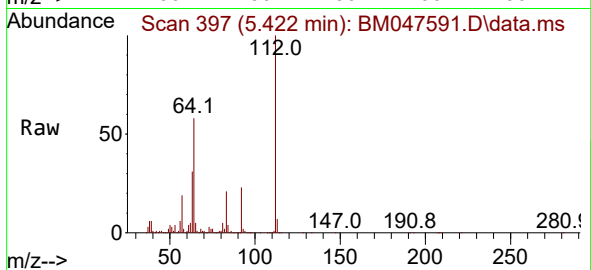
Tgt Ion:112 Resp: 1818130

Ion Ratio Lower Upper

112 100

64 57.9 46.8 70.2

63 31.1 25.2 37.8



#6

Aniline

Concen: 3.770 ng

RT: 7.169 min Scan# 694

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

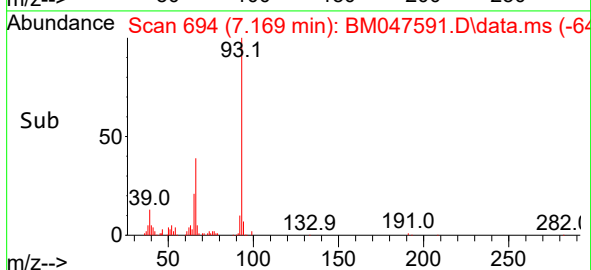
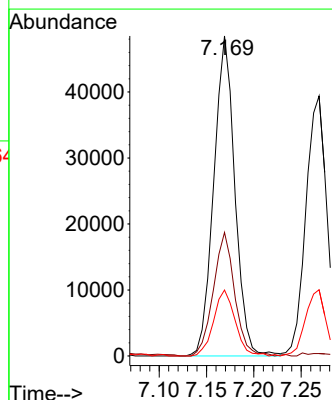
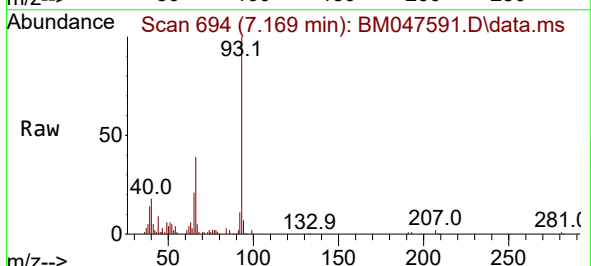
Tgt Ion: 93 Resp: 75026

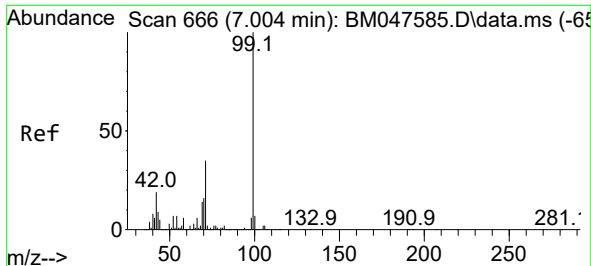
Ion Ratio Lower Upper

93 100

66 38.6 31.4 47.0

65 20.6 16.2 24.2

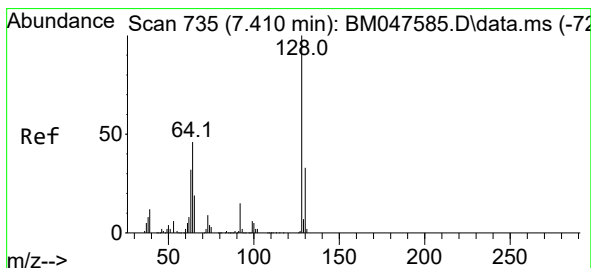
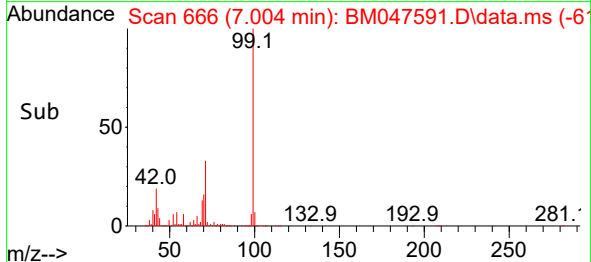
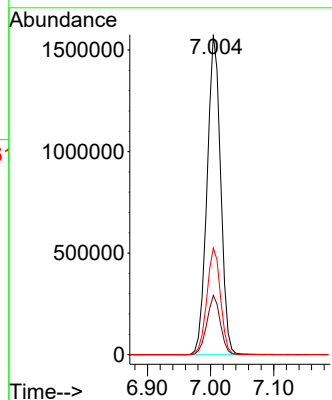
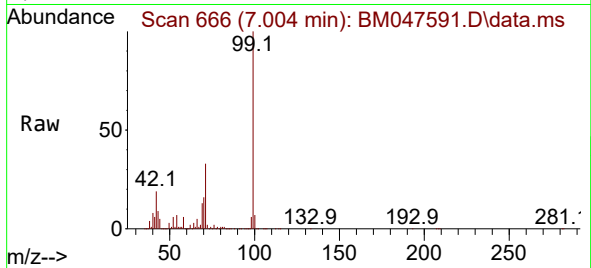




#7
Phenol-d6
Concen: 101.142 ng
RT: 7.004 min Scan# 666
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

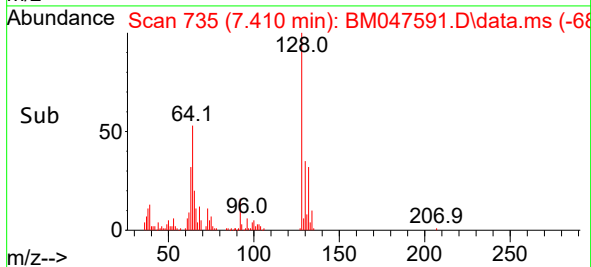
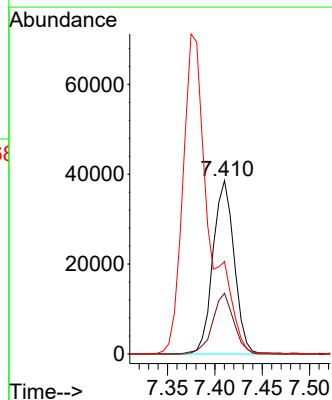
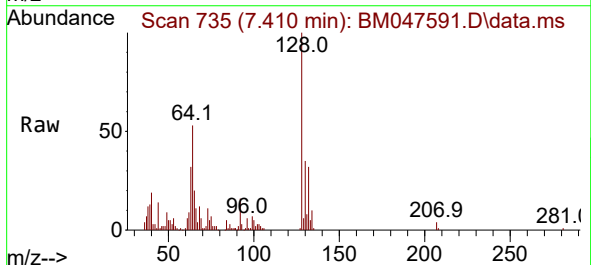
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024

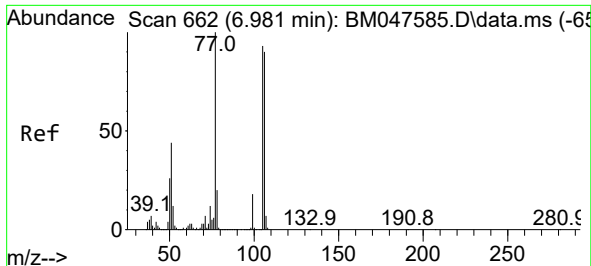
Tgt Ion: 99 Resp: 2349266
Ion Ratio Lower Upper
99 100
42 18.5 15.3 22.9
71 33.3 27.8 41.6



#8
2-Chlorophenol
Concen: 3.261 ng
RT: 7.410 min Scan# 735
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Tgt Ion:128 Resp: 60187
Ion Ratio Lower Upper
128 100
130 35.0 12.6 52.6
64 53.3 27.6 67.6

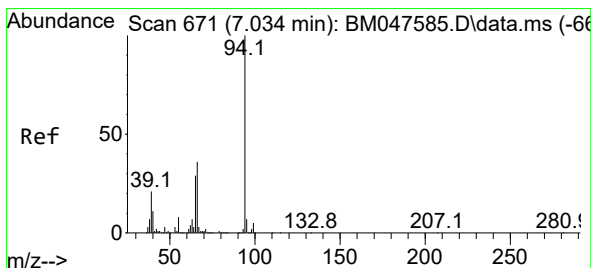
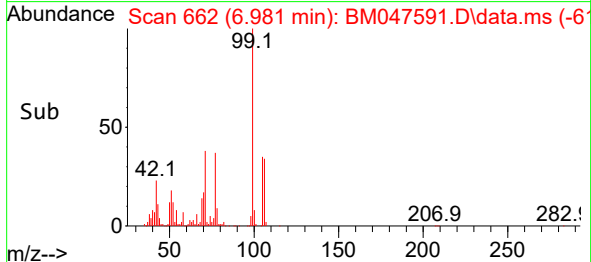
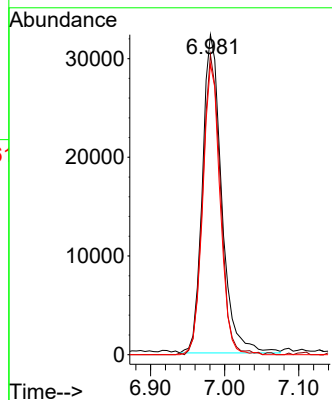
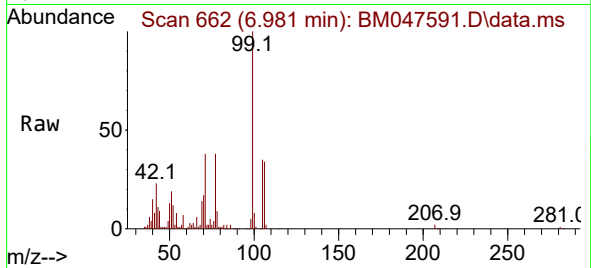




#9
Benzaldehyde
Concen: 4.916 ng
RT: 6.981 min Scan# 662
Delta R.T. -0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

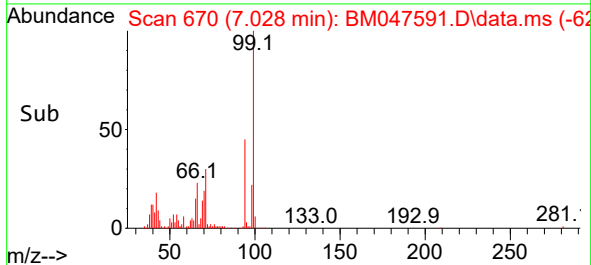
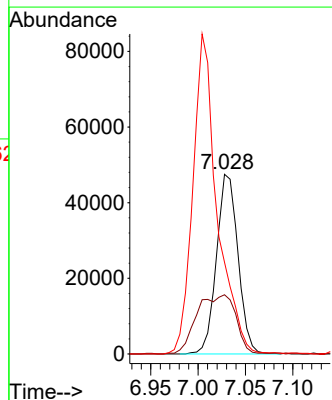
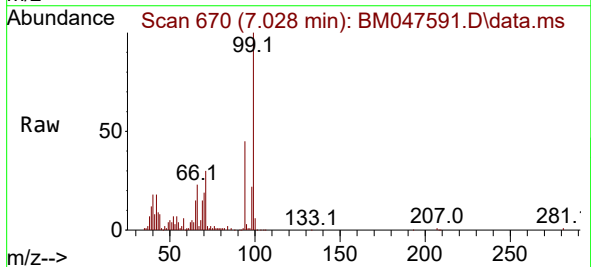
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024

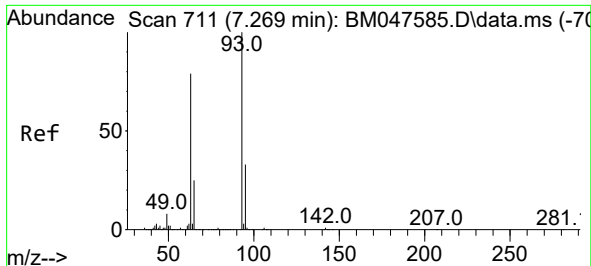
Tgt Ion: 77 Resp: 58273
Ion Ratio Lower Upper
77 100
105 93.8 73.0 113.0
106 90.8 70.3 110.3



#10
Phenol
Concen: 3.256 ng
RT: 7.028 min Scan# 670
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Tgt Ion: 94 Resp: 75103
Ion Ratio Lower Upper
94 100
65 32.9 9.1 49.1
66 51.1 16.5 56.5

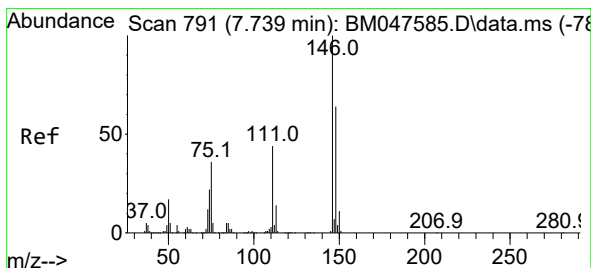
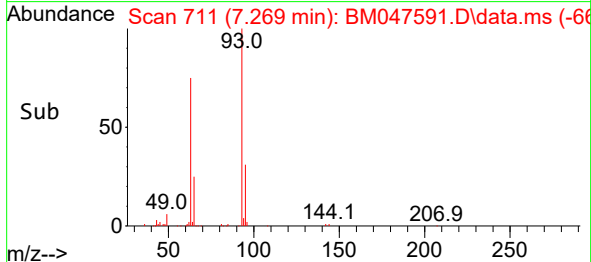
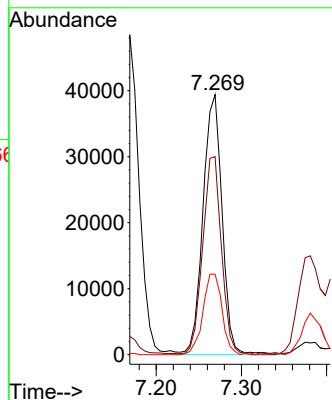
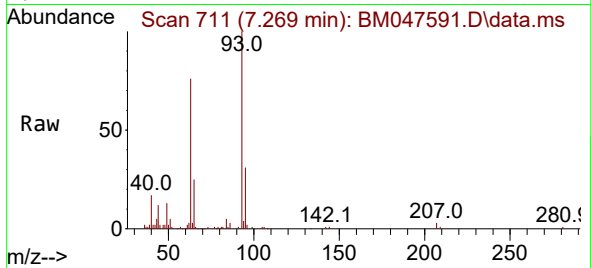




#11
bis(2-Chloroethyl)ether
Concen: 3.316 ng
RT: 7.269 min Scan# 711
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

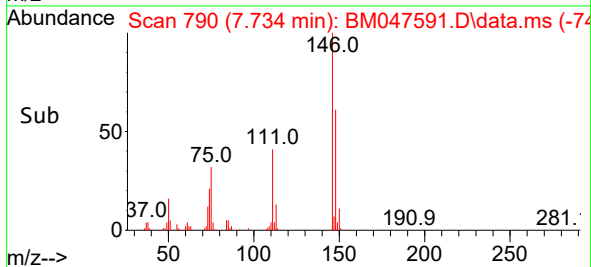
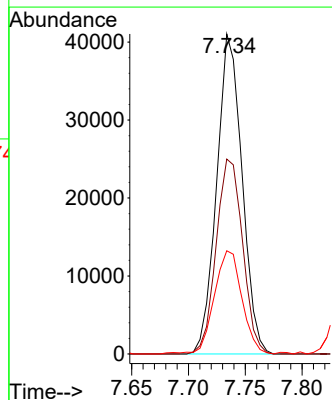
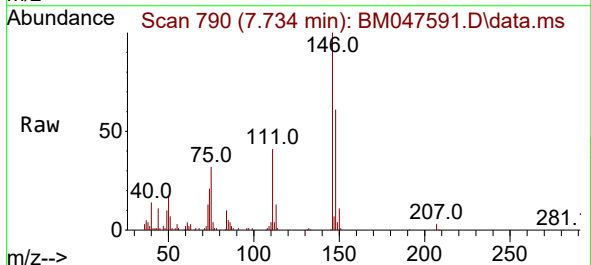
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024

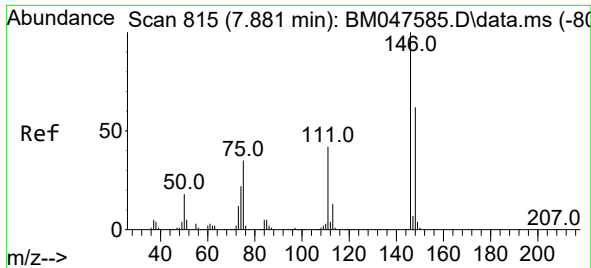
Tgt Ion: 93 Resp: 61471
Ion Ratio Lower Upper
93 100
63 76.2 58.5 98.5
95 31.0 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 3.123 ng
RT: 7.734 min Scan# 790
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Tgt Ion: 146 Resp: 63740
Ion Ratio Lower Upper
146 100
148 60.9 51.4 77.2
75 32.3 28.4 42.6

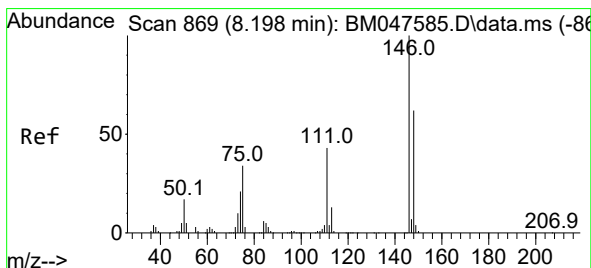
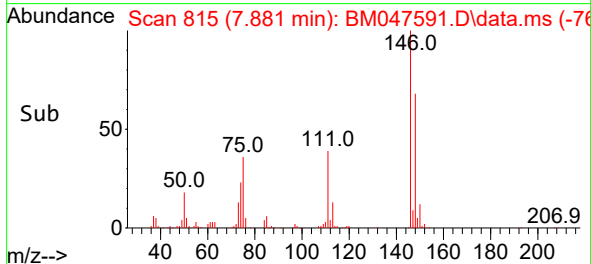
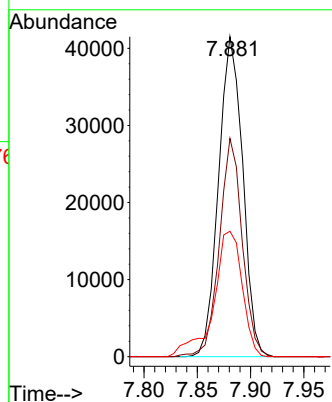
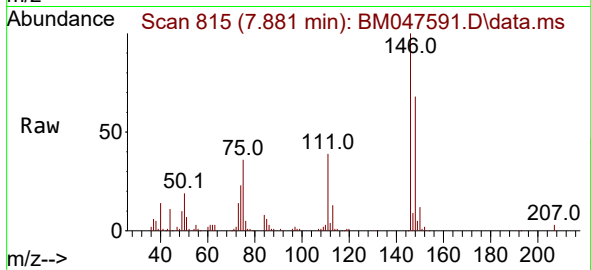




#13
1,4-Dichlorobenzene
Concen: 3.160 ng
RT: 7.881 min Scan# 815
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

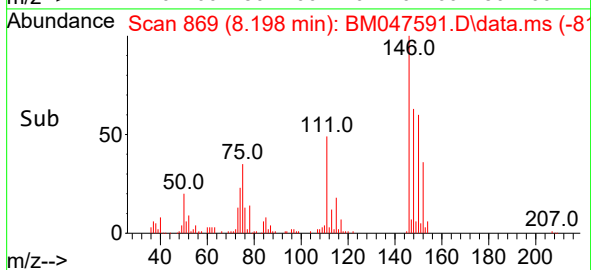
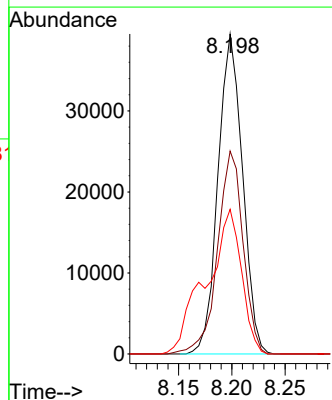
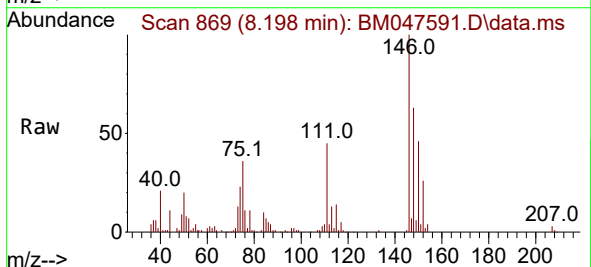
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024

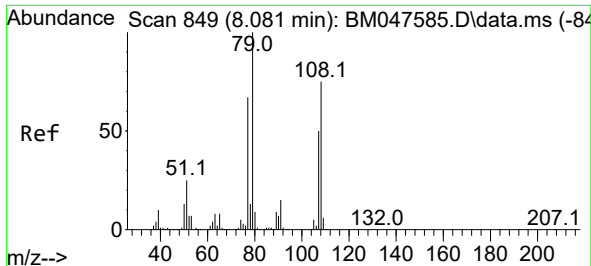
Tgt Ion:146 Resp: 65249
Ion Ratio Lower Upper
146 100
148 68.2 49.8 74.6
111 39.2 33.3 49.9



#14
1,2-Dichlorobenzene
Concen: 3.171 ng
RT: 8.198 min Scan# 869
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Tgt Ion:146 Resp: 63127
Ion Ratio Lower Upper
146 100
148 63.4 49.7 74.5
111 45.2 34.8 52.2

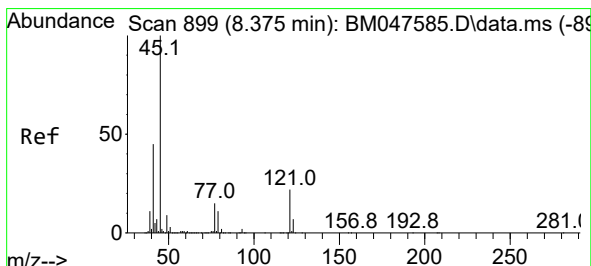
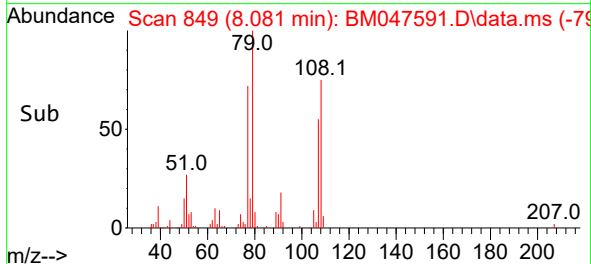
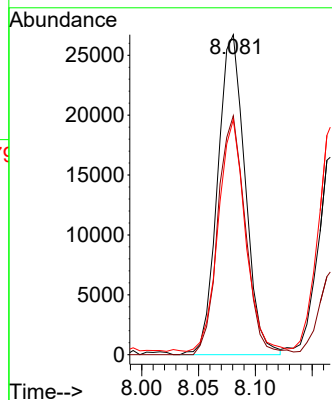
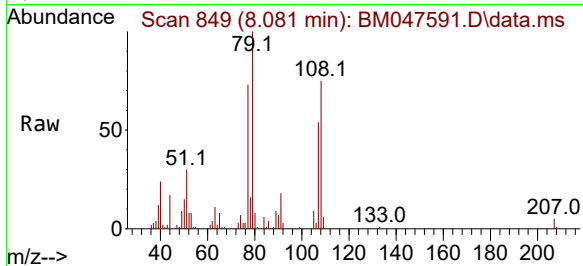




#15
Benzyl Alcohol
Concen: 3.000 ng
RT: 8.081 min Scan# 849
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

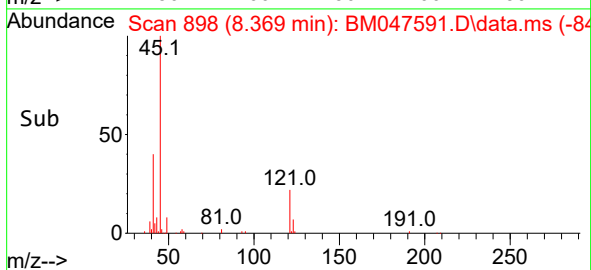
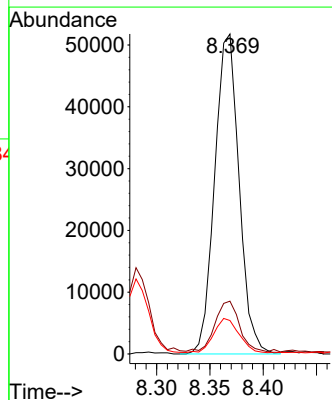
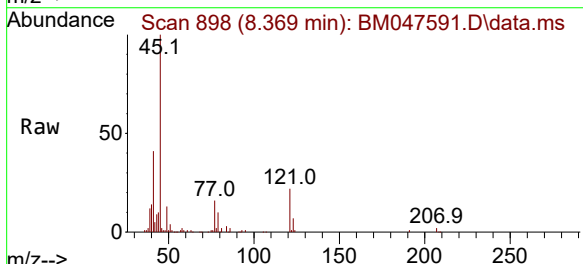
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024

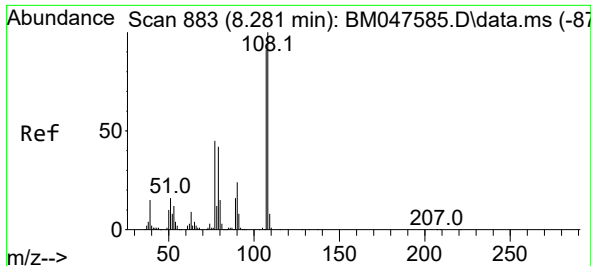
Tgt Ion: 79 Resp: 44961
Ion Ratio Lower Upper
79 100
108 74.7 60.2 90.2
77 73.5 53.9 80.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.489 ng
RT: 8.369 min Scan# 898
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Tgt Ion: 45 Resp: 82437
Ion Ratio Lower Upper
45 100
77 16.5 0.0 35.5
79 10.4 0.0 31.6

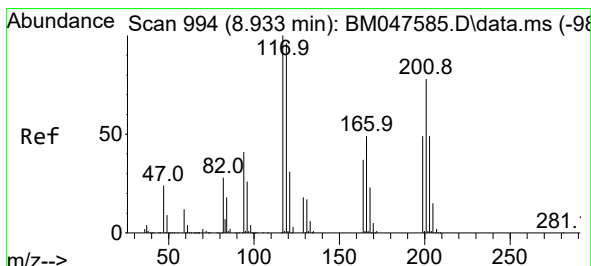
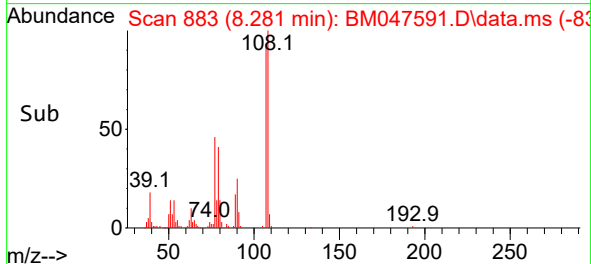
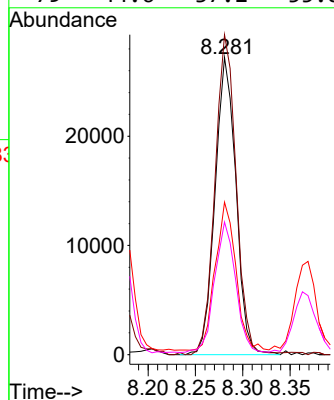
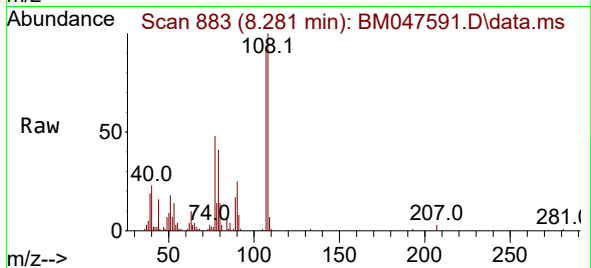




#17
2-Methylphenol
Concen: 2.879 ng
RT: 8.281 min Scan# 883
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

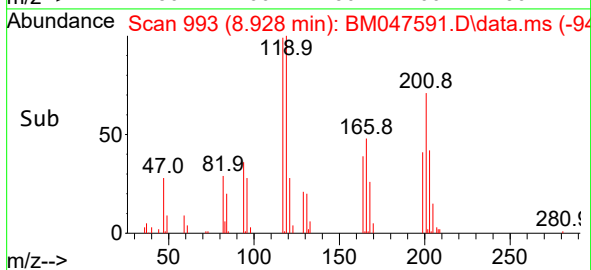
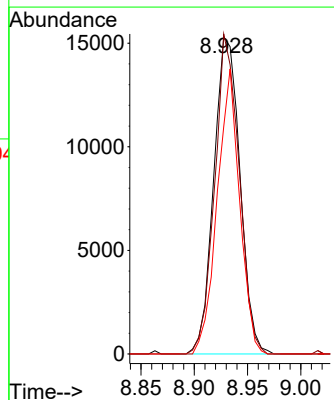
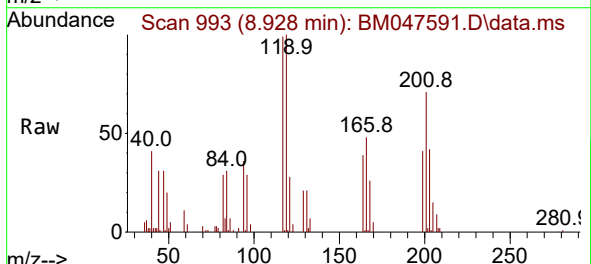
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024

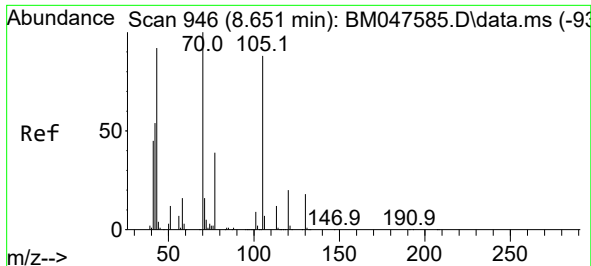
Tgt Ion:	107	Resp:	41729
Ion	Ratio	Lower	Upper
107	100		
108	107.6	87.8	131.6
77	51.3	39.6	59.4
79	44.6	37.2	55.8



#18
Hexachloroethane
Concen: 3.120 ng
RT: 8.928 min Scan# 993
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Tgt Ion:	117	Resp:	26129
Ion	Ratio	Lower	Upper
117	100		
119	100.9	77.2	115.8
201	71.7	62.3	93.5

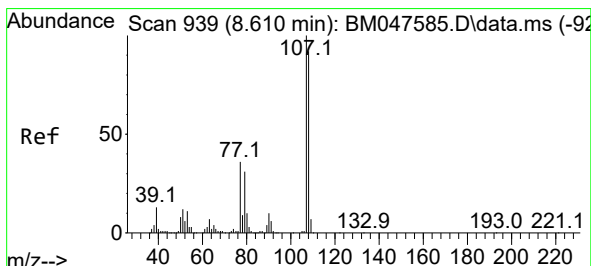
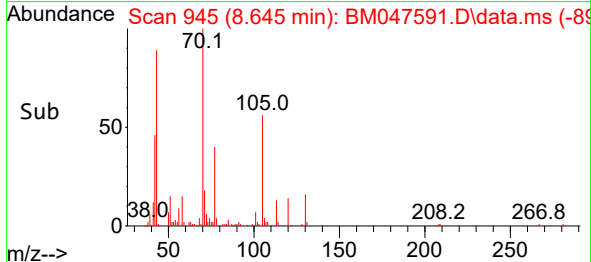
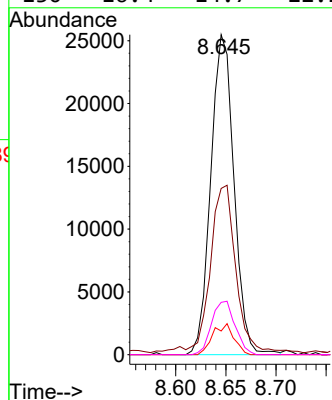
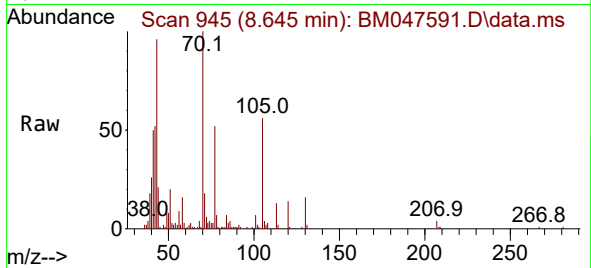




#19
n-Nitroso-di-n-propylamine
Concen: 2.886 ng
RT: 8.645 min Scan# 946
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

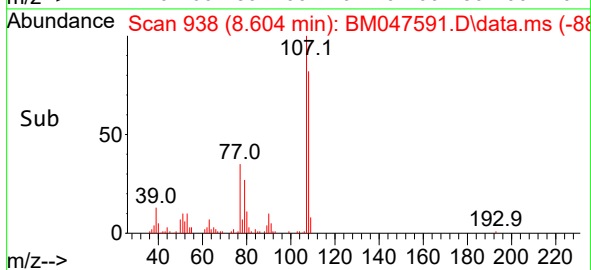
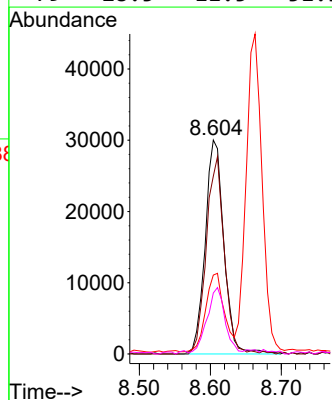
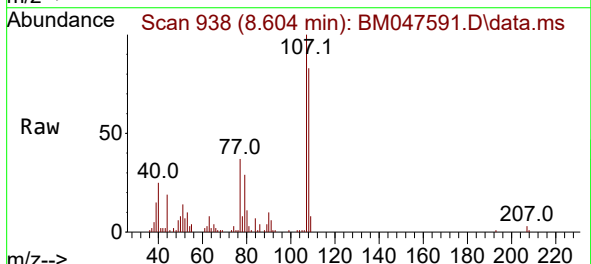
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024

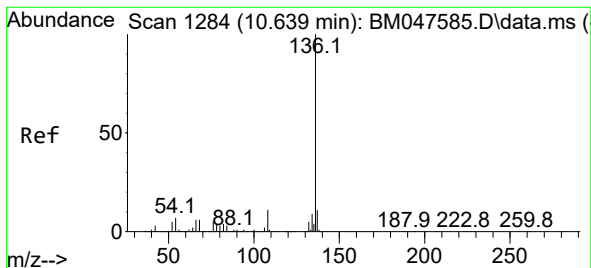
Tgt Ion:	70	Resp:	41061
Ion	Ratio	Lower	Upper
70	100		
42	51.9	44.2	66.2
101	7.4	7.0	10.4
130	16.4	14.7	22.1



#20
3+4-Methylphenols
Concen: 2.785 ng
RT: 8.604 min Scan# 938
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Tgt Ion:	107	Resp:	54979
Ion	Ratio	Lower	Upper
107	100		
108	83.1	71.8	111.8
77	36.8	16.1	56.1
79	28.5	11.5	51.5

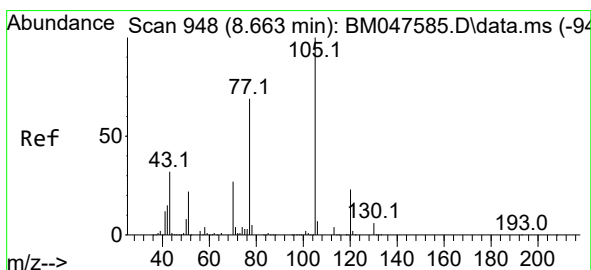
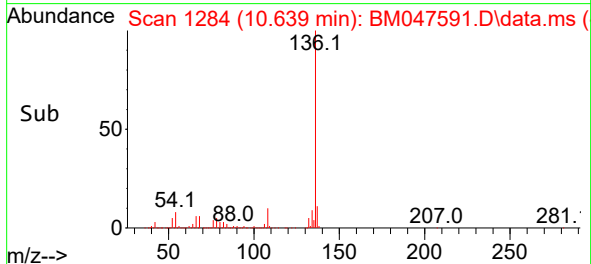
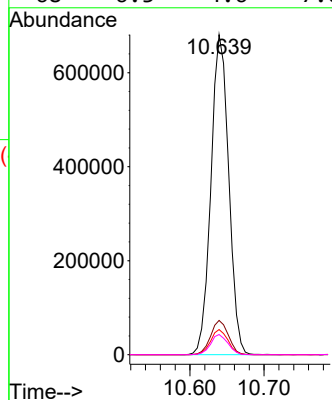
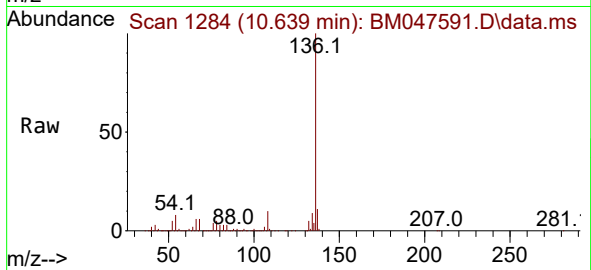




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.639 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

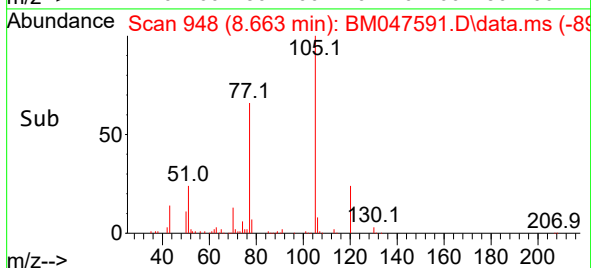
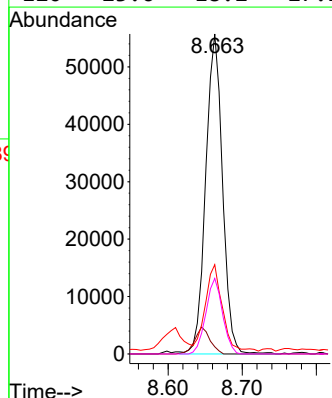
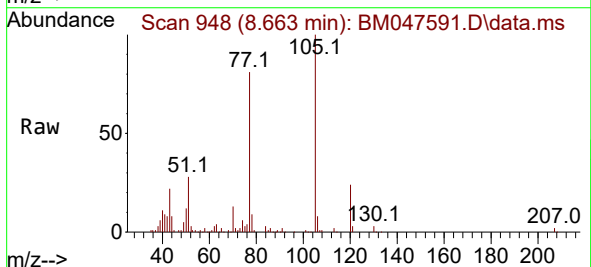
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024

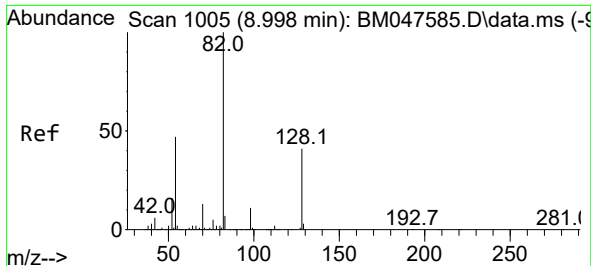
Tgt Ion:136 Resp: 1132660
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 7.9 6.0 9.0
68 6.3 4.6 7.0



#22
Acetophenone
Concen: 2.976 ng
RT: 8.663 min Scan# 948
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Tgt Ion:105 Resp: 87811
Ion Ratio Lower Upper
105 100
71 2.3 3.4 5.2#
51 27.9 21.4 32.2
120 23.6 18.2 27.2

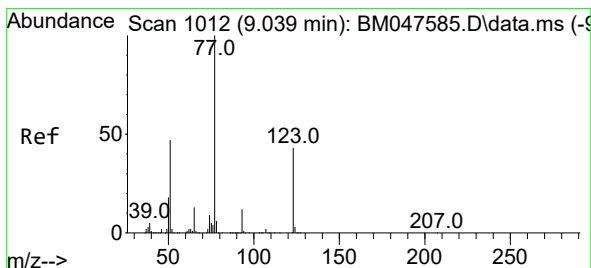
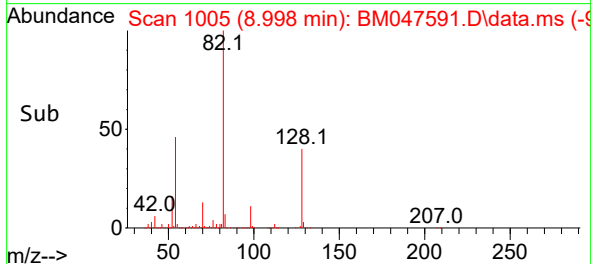
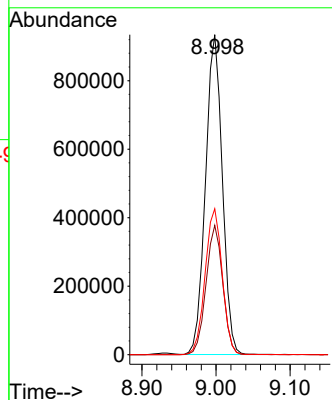
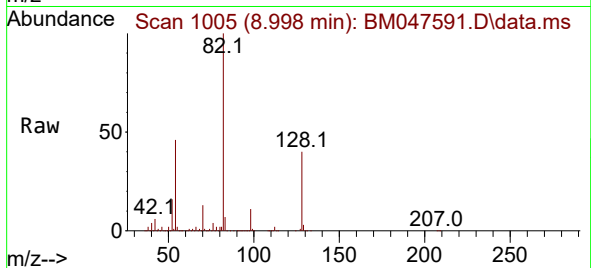




#23
Nitrobenzene-d5
Concen: 64.810 ng
RT: 8.998 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

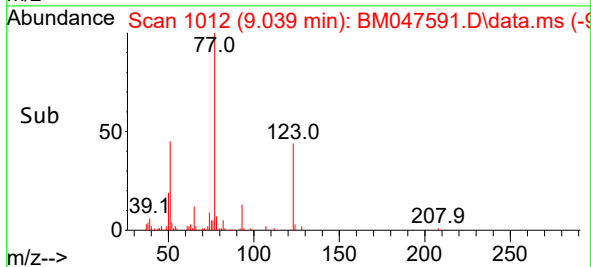
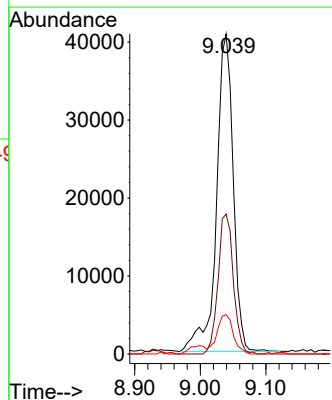
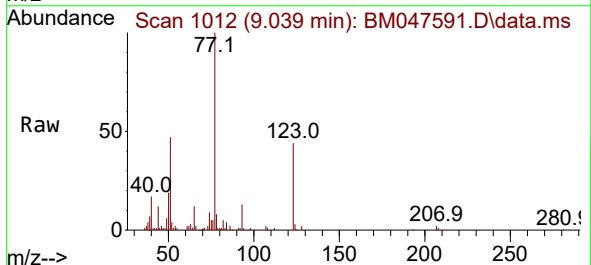
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024

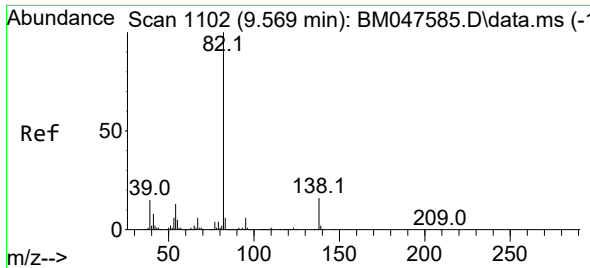
Tgt Ion: 82 Resp: 1474619
Ion Ratio Lower Upper
82 100
128 40.4 32.5 48.7
54 45.6 37.5 56.3



#24
Nitrobenzene
Concen: 3.064 ng
RT: 9.039 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Tgt Ion: 77 Resp: 72005
Ion Ratio Lower Upper
77 100
123 43.7 34.1 51.1
65 12.3 10.7 16.1

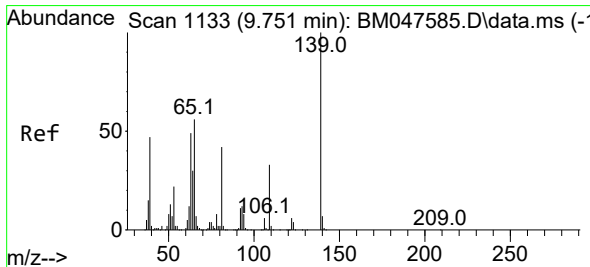
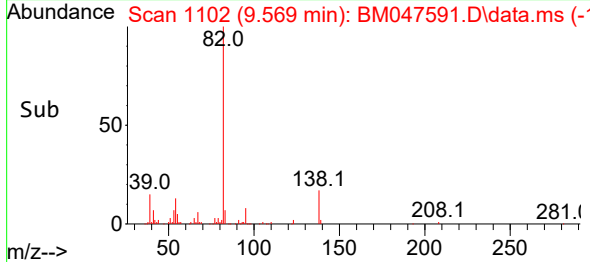
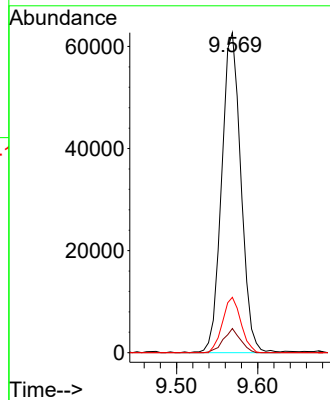
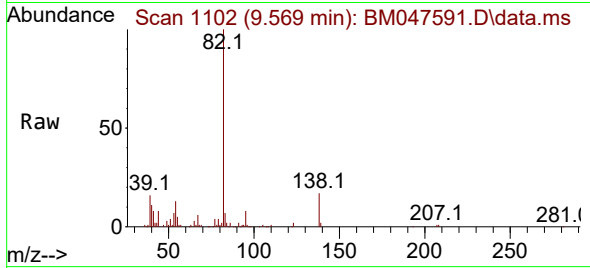




#25
Isophorone
Concen: 2.724 ng
RT: 9.569 min Scan# 1102
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

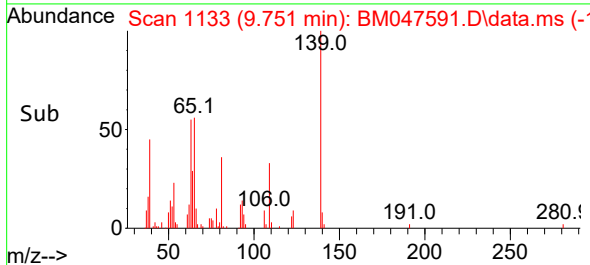
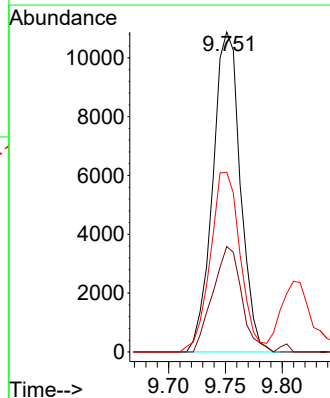
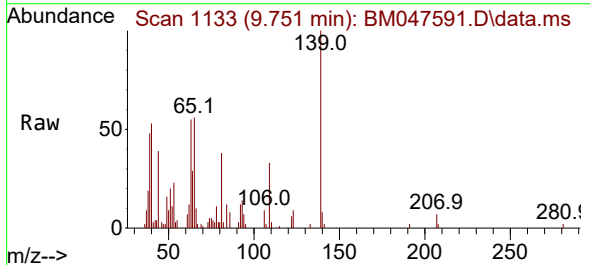
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024

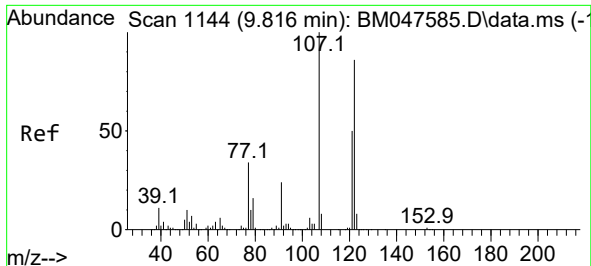
Tgt Ion: 82 Resp: 103569
Ion Ratio Lower Upper
82 100
95 7.5 5.0 7.6
138 17.3 12.9 19.3



#26
2-Nitrophenol
Concen: 2.227 ng
RT: 9.751 min Scan# 1133
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Tgt Ion: 139 Resp: 18400
Ion Ratio Lower Upper
139 100
109 33.0 26.1 39.1
65 56.2 44.7 67.1

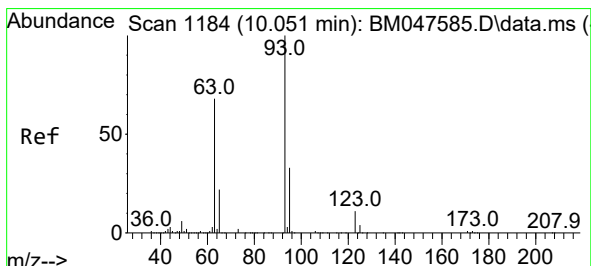
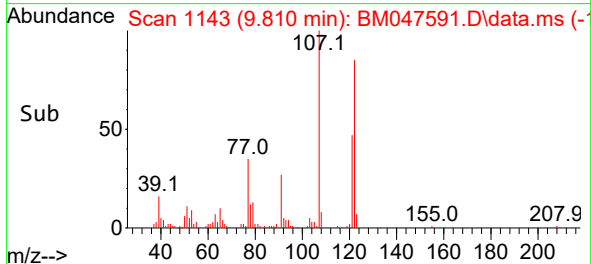
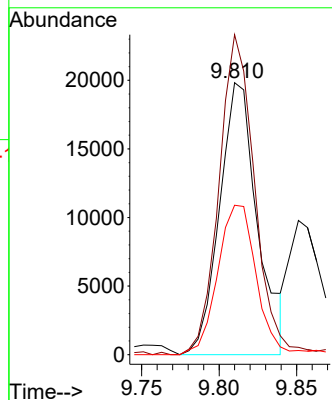
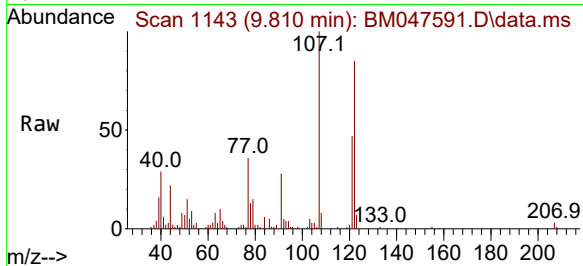




#27
2,4-Dimethylphenol
Concen: 2.860 ng
RT: 9.810 min Scan# 1143
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

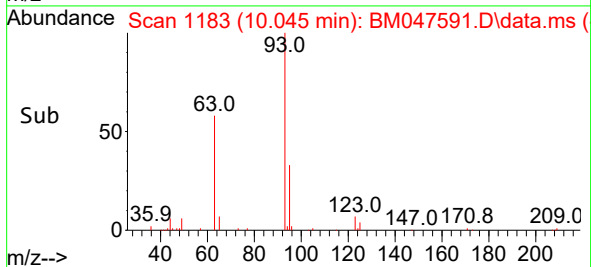
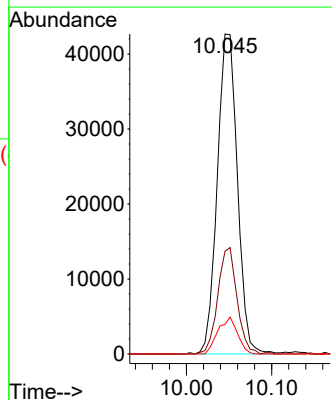
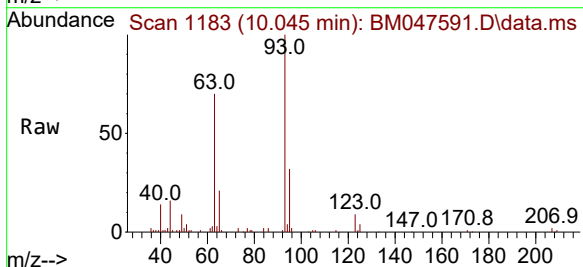
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024

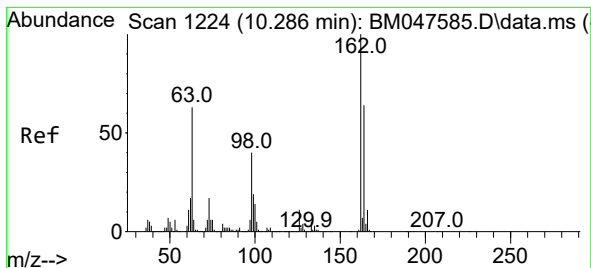
Tgt Ion:122 Resp: 33680
Ion Ratio Lower Upper
122 100
107 117.7 92.2 138.2
121 54.9 45.8 68.6



#28
bis(2-Chloroethoxy)methane
Concen: 2.866 ng
RT: 10.045 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Tgt Ion: 93 Resp: 70109
Ion Ratio Lower Upper
93 100
95 32.1 26.2 39.4
123 9.3 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 2.456 ng

RT: 10.286 min Scan# 1224

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

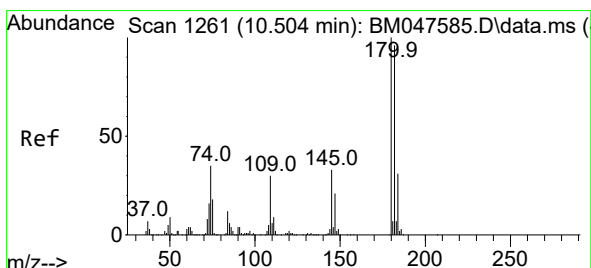
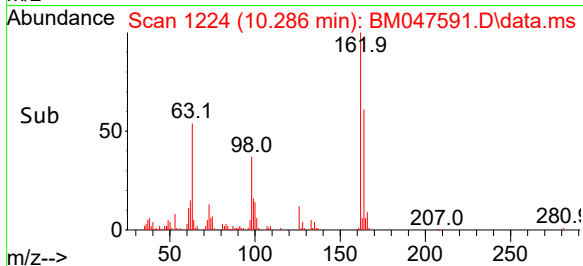
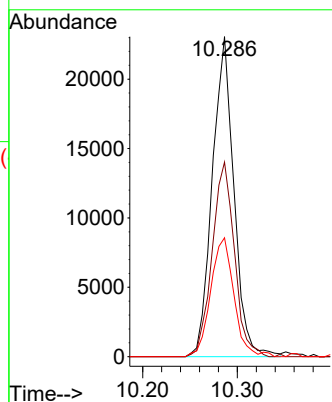
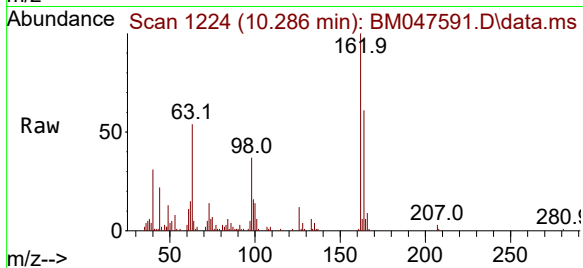
Tgt Ion:162 Resp: 36566

Ion Ratio Lower Upper

162 100

164 60.8 43.9 83.9

98 37.1 20.3 60.3



#30

1,2,4-Trichlorobenzene

Concen: 2.848 ng

RT: 10.504 min Scan# 1261

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

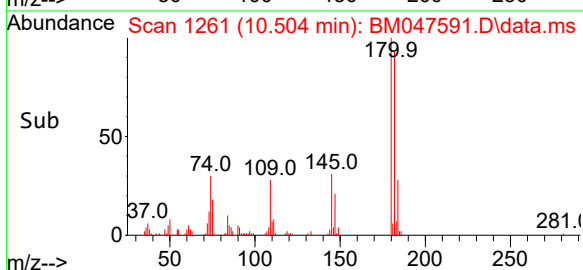
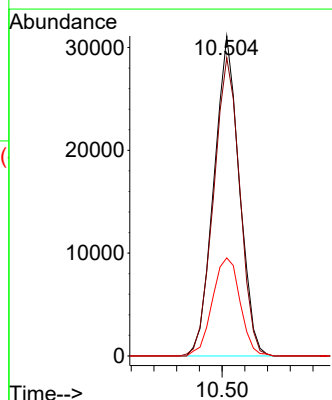
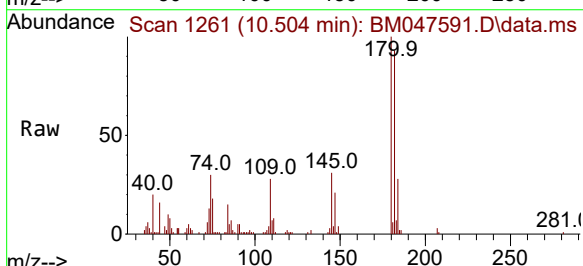
Tgt Ion:180 Resp: 48327

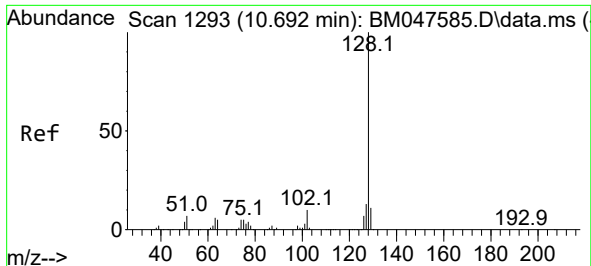
Ion Ratio Lower Upper

180 100

182 93.2 76.6 115.0

145 30.7 26.2 39.2

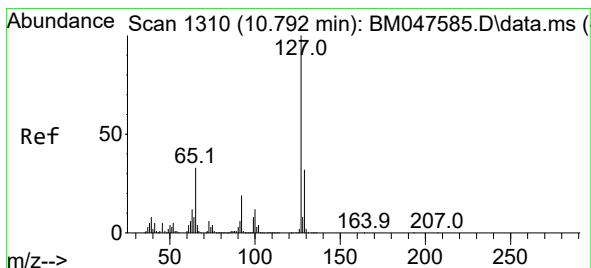
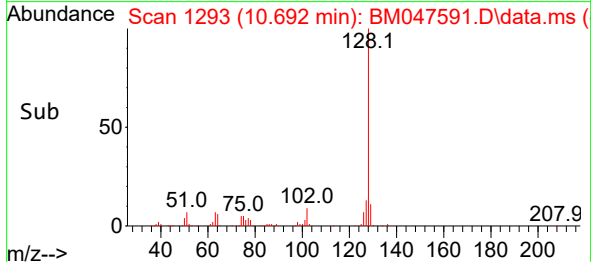
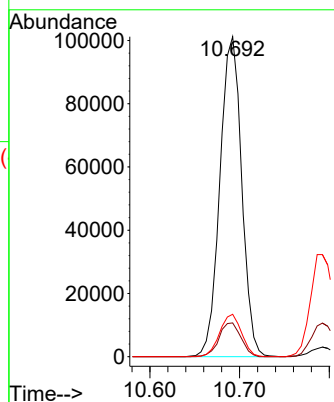
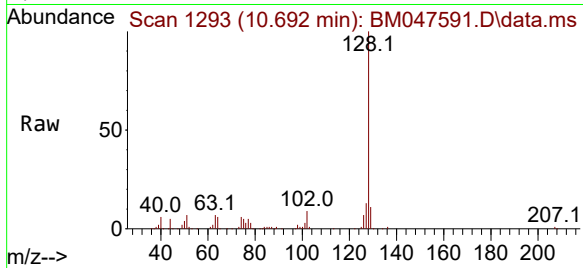




#31
Naphthalene
Concen: 2.844 ng
RT: 10.692 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

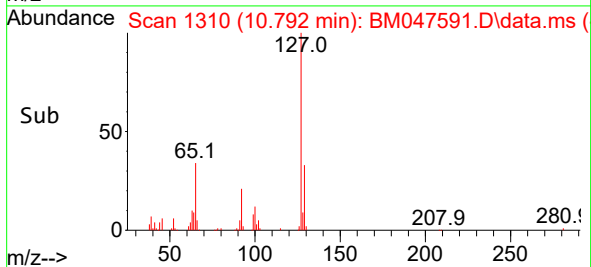
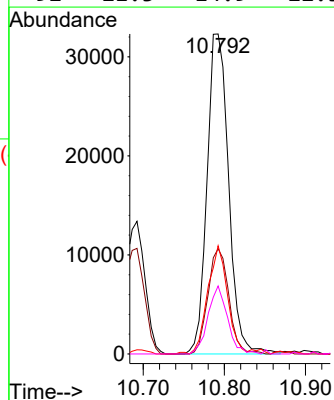
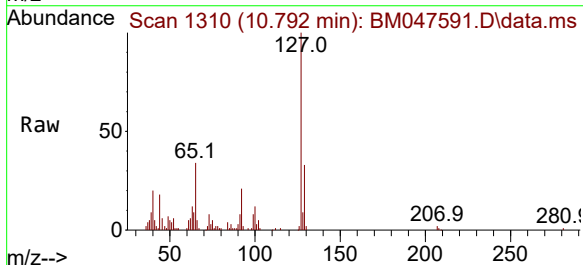
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024

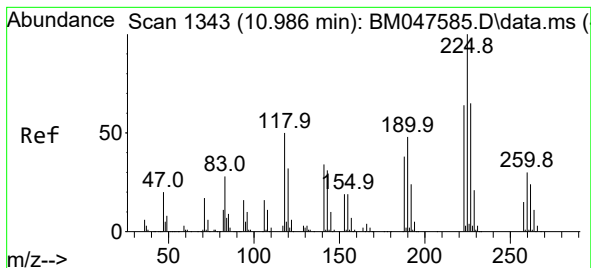
Tgt Ion:128 Resp: 170440
Ion Ratio Lower Upper
128 100
129 10.5 8.8 13.2
127 13.2 10.3 15.5



#33
4-Chloroaniline
Concen: 2.827 ng
RT: 10.792 min Scan# 1310
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Tgt Ion:127 Resp: 59722
Ion Ratio Lower Upper
127 100
129 32.9 25.6 38.4
65 33.8 26.1 39.1
92 21.3 14.9 22.3





#34

Hexachlorobutadiene

Concen: 2.635 ng

RT: 10.986 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

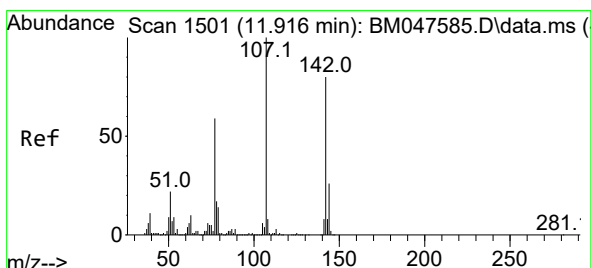
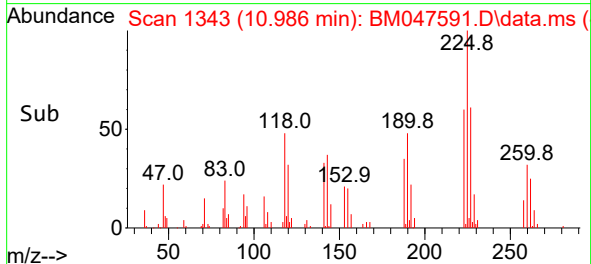
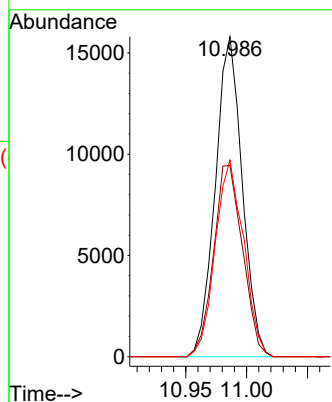
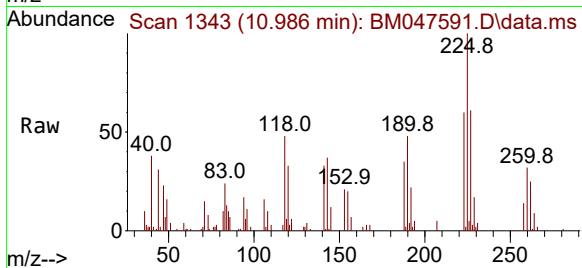
Tgt Ion:225 Resp: 24338

Ion Ratio Lower Upper

225 100

223 59.8 51.4 77.0

227 61.4 52.1 78.1



#36

4-Chloro-3-methylphenol

Concen: 2.320 ng

RT: 11.916 min Scan# 1501

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

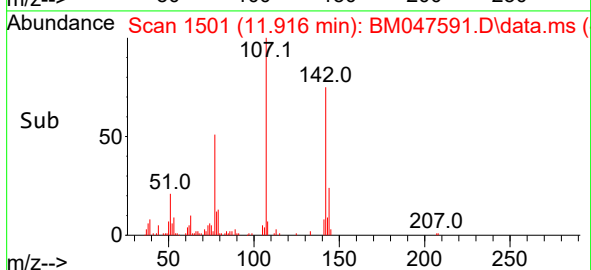
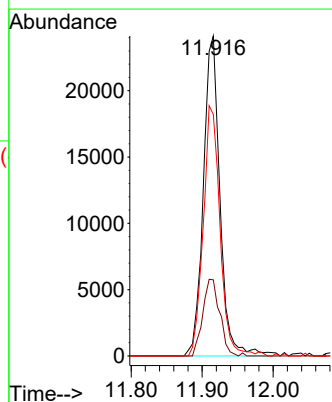
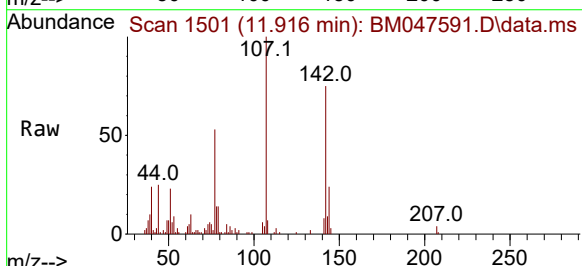
Tgt Ion:107 Resp: 39408

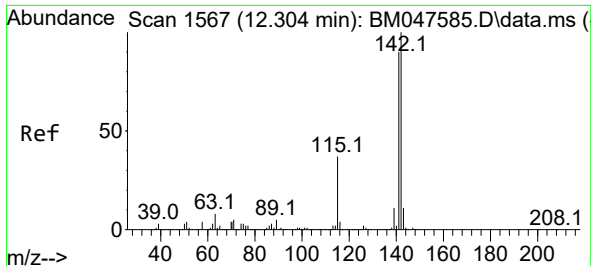
Ion Ratio Lower Upper

107 100

144 23.8 20.7 31.1

142 75.4 63.9 95.9

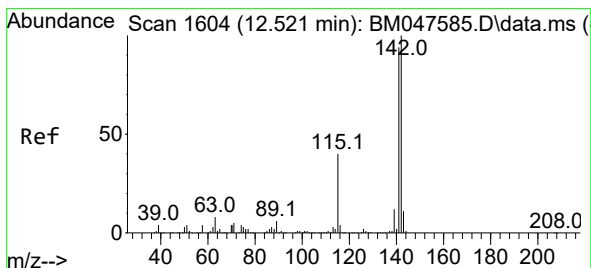
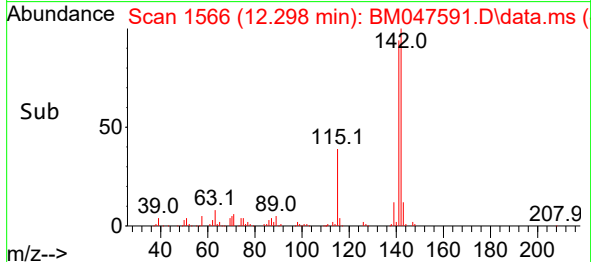
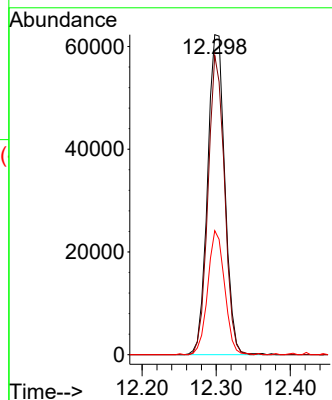
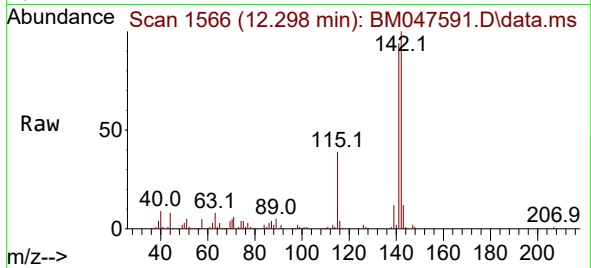




#37
2-Methylnaphthalene
Concen: 2.682 ng
RT: 12.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

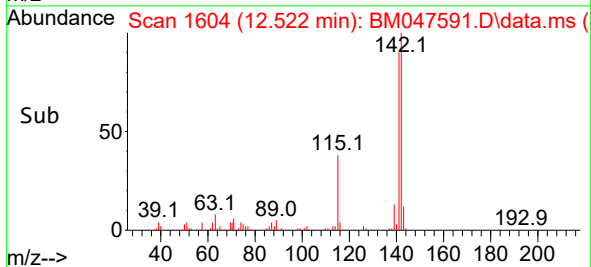
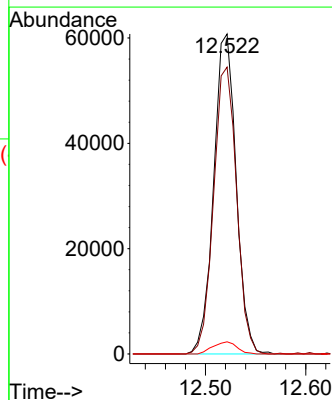
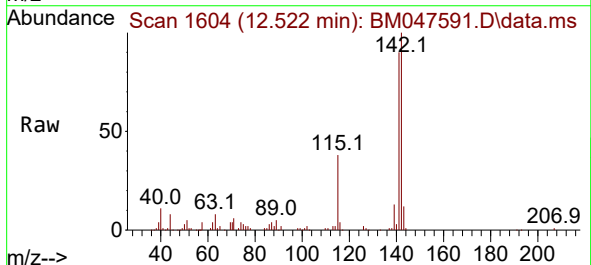
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024

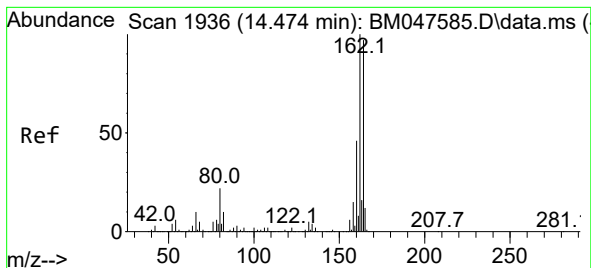
Tgt Ion:142 Resp: 100970
Ion Ratio Lower Upper
142 100
141 93.5 71.7 107.5
115 38.7 29.5 44.3



#38
1-Methylnaphthalene
Concen: 2.533 ng
RT: 12.522 min Scan# 1604
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Tgt Ion:142 Resp: 94621
Ion Ratio Lower Upper
142 100
141 89.6 75.3 112.9
116 3.8 3.0 4.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.474 min Scan# 1936

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

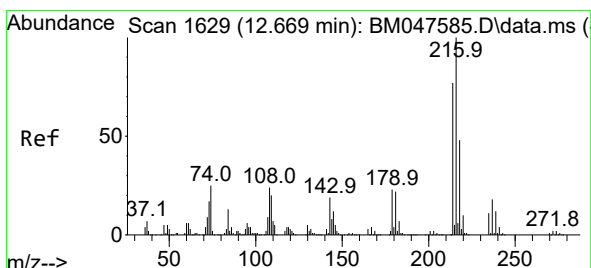
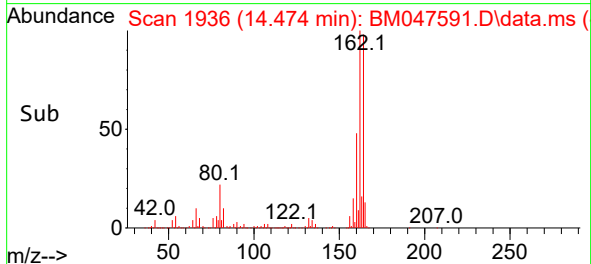
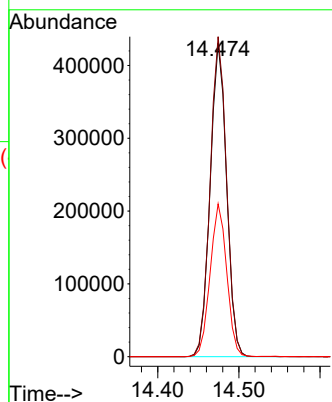
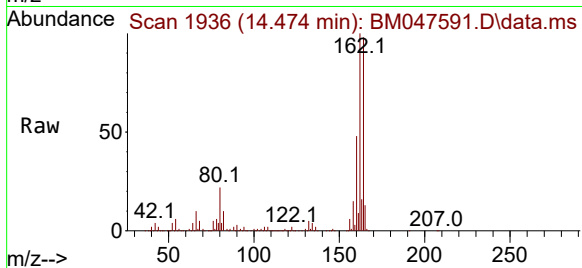
Tgt Ion:164 Resp: 602287

Ion Ratio Lower Upper

164 100

162 102.1 82.6 123.8

160 48.8 37.8 56.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 2.771 ng

RT: 12.669 min Scan# 1629

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Tgt Ion:216 Resp: 44050

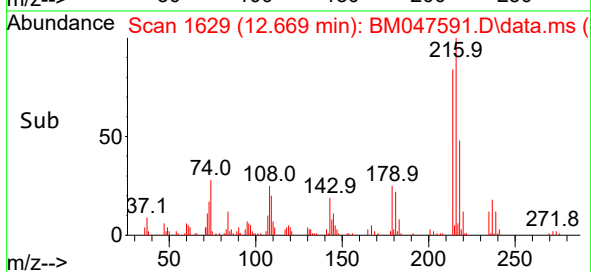
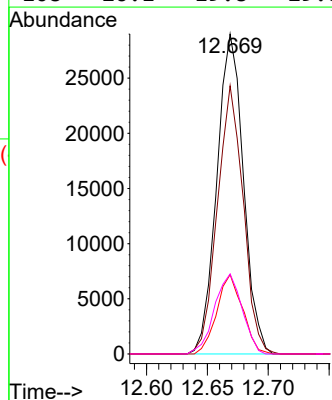
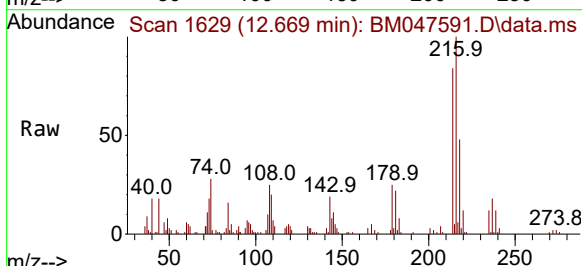
Ion Ratio Lower Upper

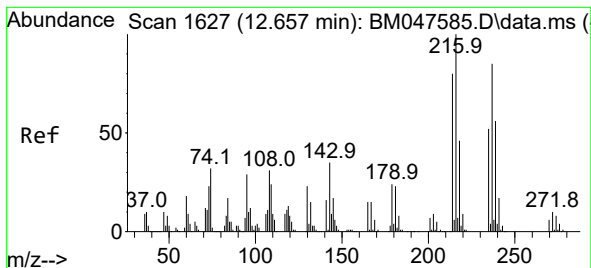
216 100

214 81.3 62.8 94.2

179 24.0 18.5 27.7

108 26.1 19.8 29.8





#41

Hexachlorocyclopentadiene

Concen: 3.251 ng

RT: 12.657 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

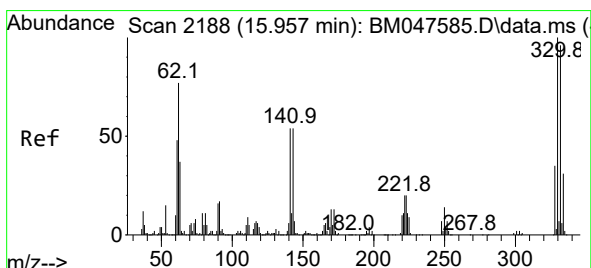
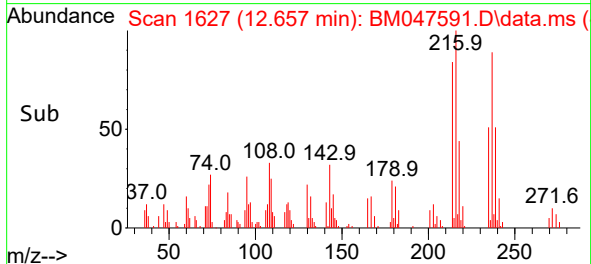
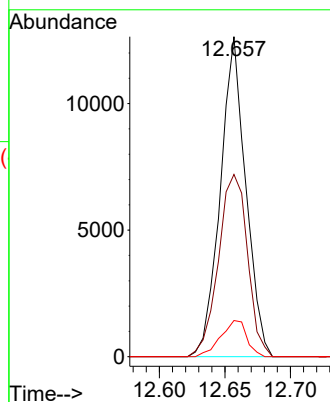
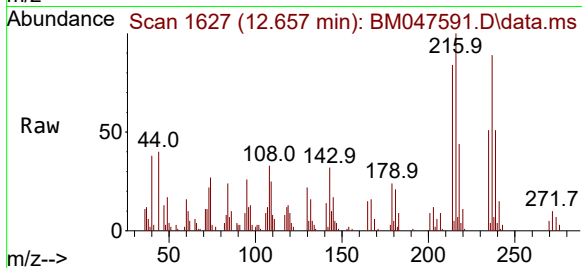
Tgt Ion:237 Resp: 17058

Ion Ratio Lower Upper

237 100

235 56.9 41.2 81.2

272 11.3 0.0 32.0



#42

2,4,6-Tribromophenol

Concen: 90.361 ng

RT: 15.957 min Scan# 2188

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

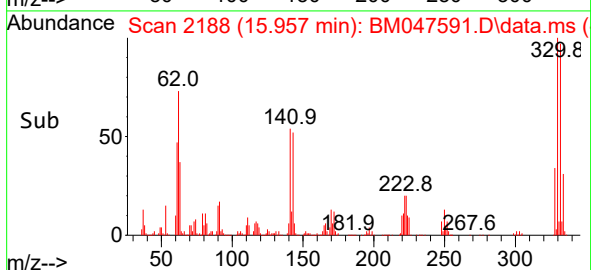
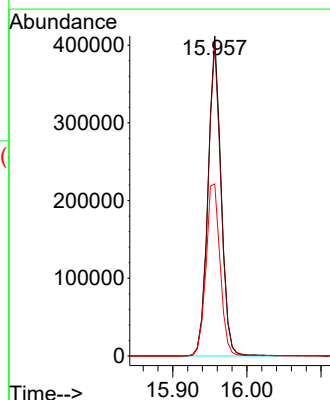
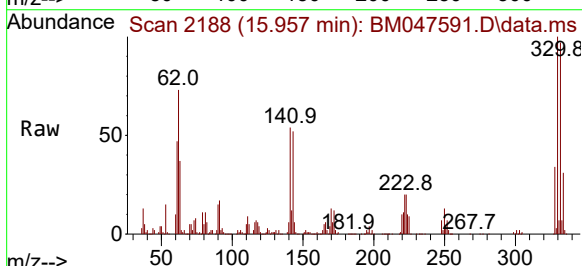
Tgt Ion:330 Resp: 503944

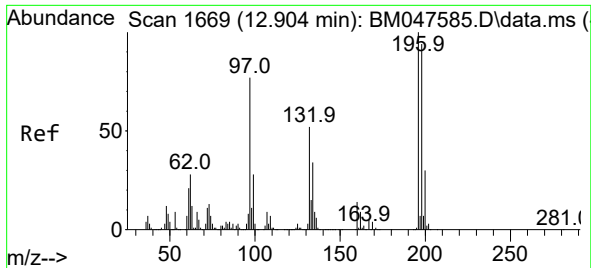
Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.4

141 58.6 45.9 68.9

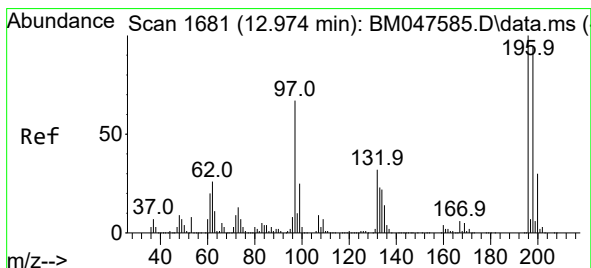
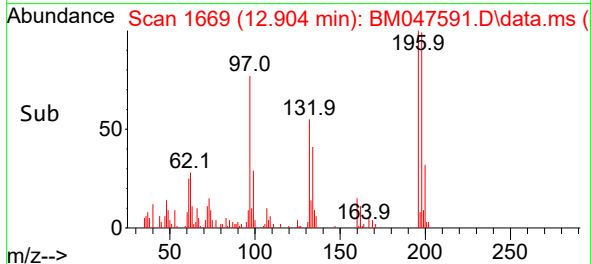
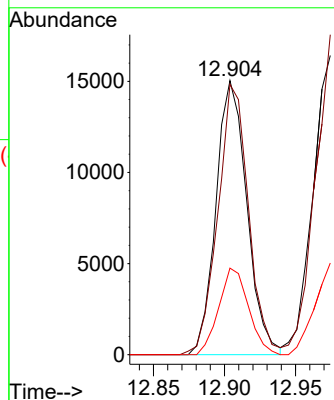
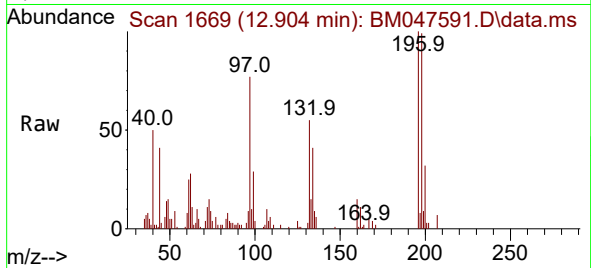




#43
2,4,6-Trichlorophenol
Concen: 2.205 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

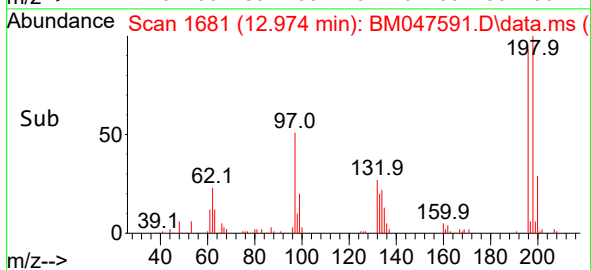
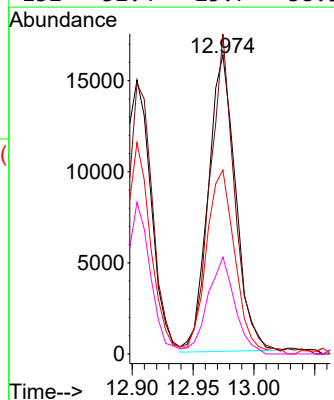
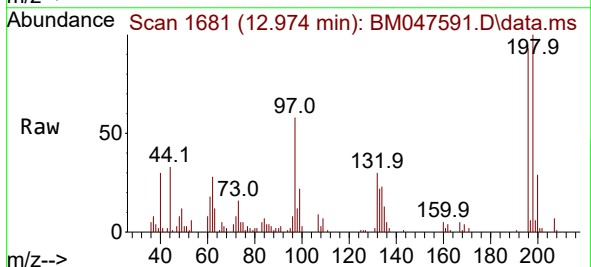
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024

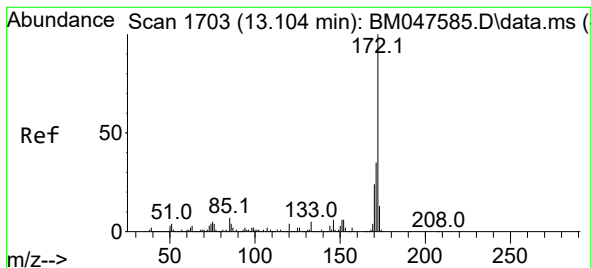
Tgt Ion	196	Resp	22773
Ion Ratio	Lower	Upper	
196	100		
198	98.6	75.5	113.3
200	31.6	24.3	36.5



#44
2,4,5-Trichlorophenol
Concen: 2.206 ng
RT: 12.974 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Tgt Ion	196	Resp	25616
Ion Ratio	Lower	Upper	
196	100		
198	107.0	75.5	113.3
97	61.5	53.5	80.3
132	32.4	25.7	38.5





#45

2-Fluorobiphenyl

Concen: 63.362 ng

RT: 13.104 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

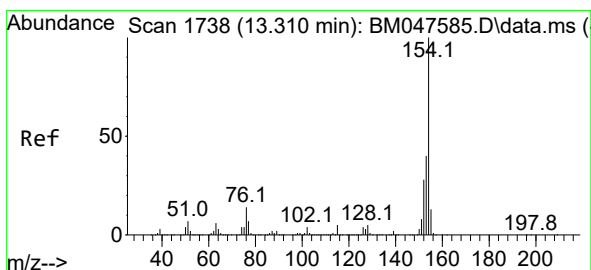
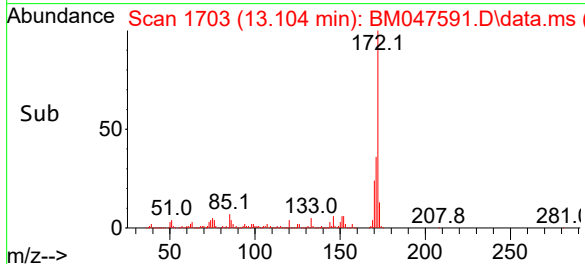
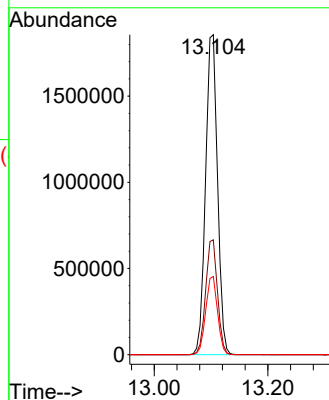
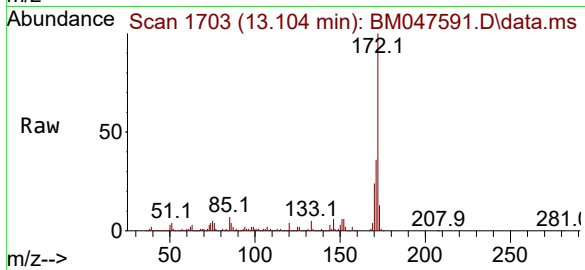
Tgt Ion:172 Resp: 2697029

Ion Ratio Lower Upper

172 100

171 35.9 28.1 42.1

170 24.4 19.0 28.6



#46

1,1'-Biphenyl

Concen: 2.919 ng

RT: 13.310 min Scan# 1738

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

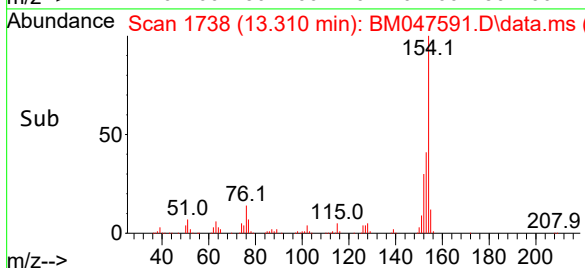
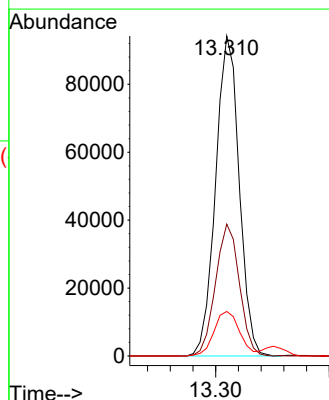
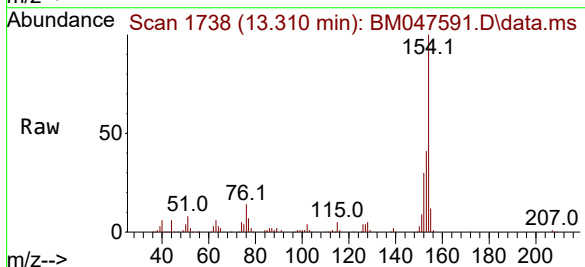
Tgt Ion:154 Resp: 135773

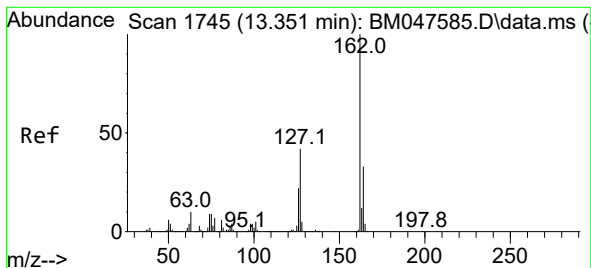
Ion Ratio Lower Upper

154 100

153 41.2 19.9 59.9

76 13.9 0.0 34.5





#47

2-Chloronaphthalene

Concen: 2.752 ng

RT: 13.351 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

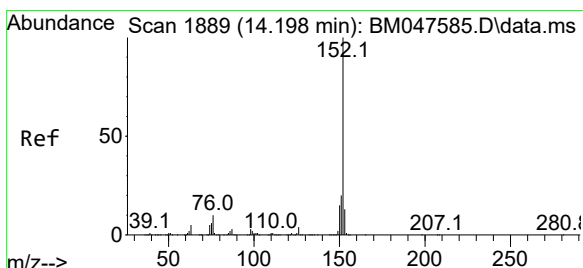
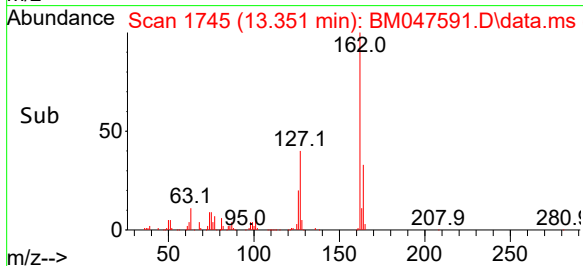
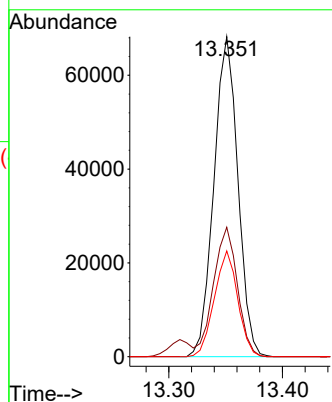
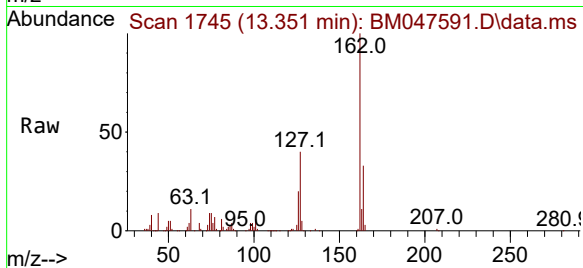
Tgt Ion:162 Resp: 100143

Ion Ratio Lower Upper

162 100

127 40.5 33.8 50.6

164 33.1 26.2 39.4



#49

Acenaphthylene

Concen: 2.818 ng

RT: 14.198 min Scan# 1889

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

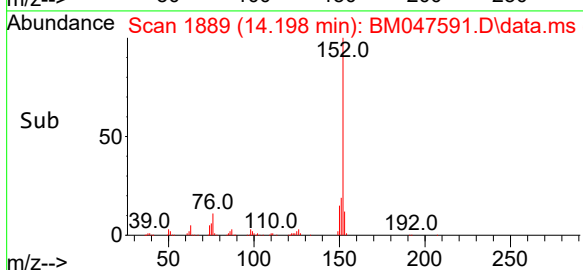
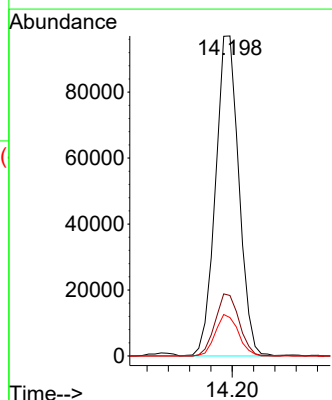
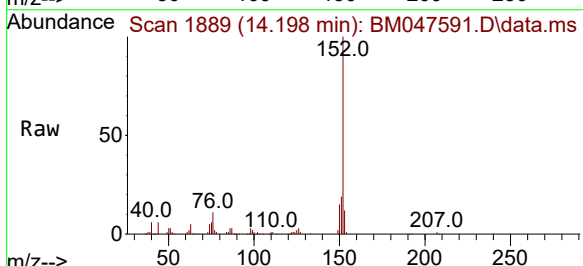
Tgt Ion:152 Resp: 147582

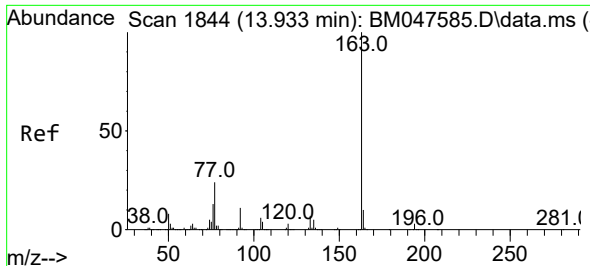
Ion Ratio Lower Upper

152 100

151 18.9 16.2 24.2

153 12.0 10.4 15.6

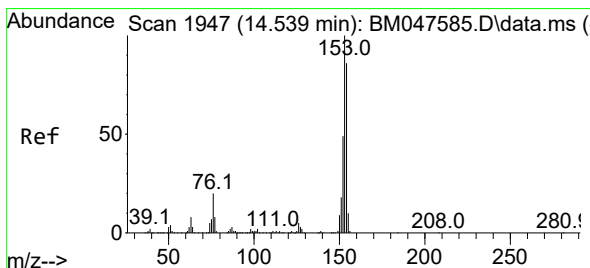
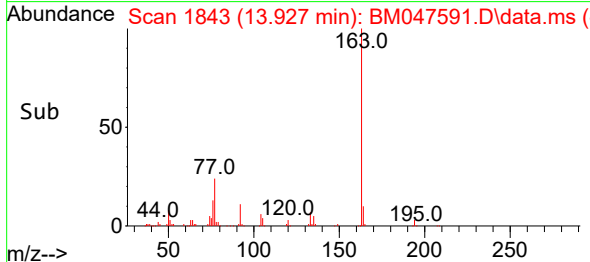
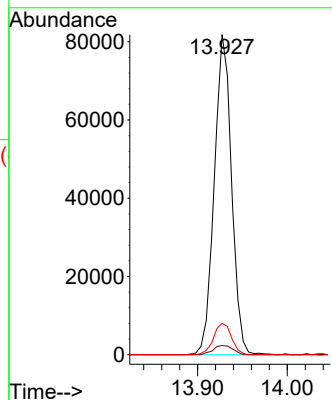
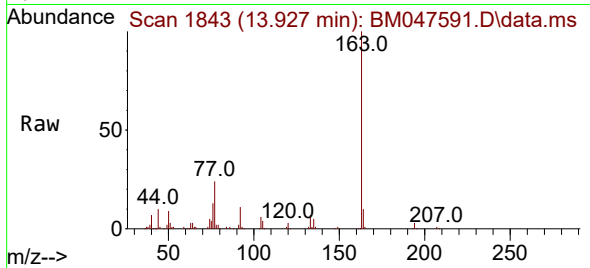




#50
Dimethylphthalate
Concen: 2.626 ng
RT: 13.927 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

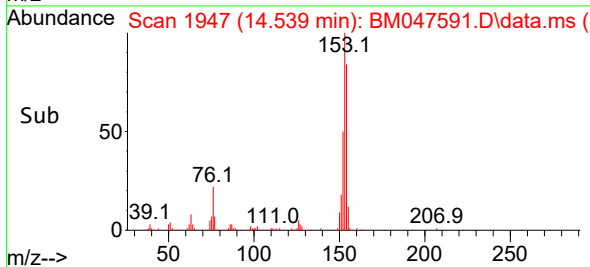
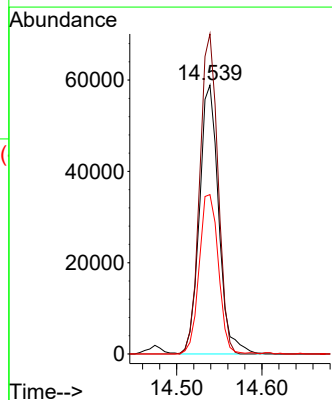
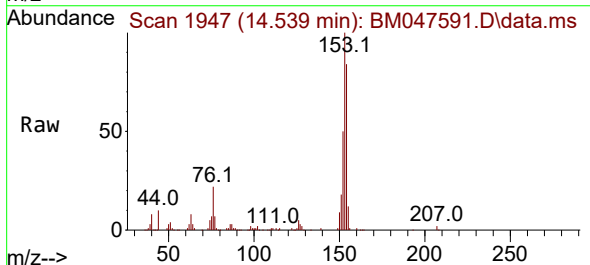
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024

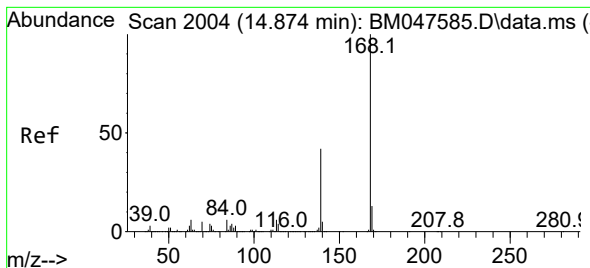
Tgt Ion:163 Resp: 109188
Ion Ratio Lower Upper
163 100
194 2.9 2.7 4.1
164 9.8 8.2 12.2



#52
Acenaphthene
Concen: 2.672 ng
RT: 14.539 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Tgt Ion:154 Resp: 92455
Ion Ratio Lower Upper
154 100
153 119.1 92.8 139.2
152 59.3 45.7 68.5





#55

Dibenzenofuran

Concen: 2.729 ng

RT: 14.868 min Scan# 2004

Delta R.T. -0.006 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

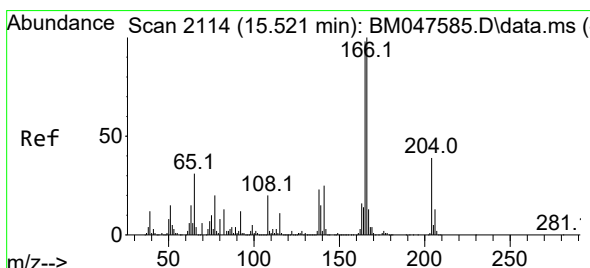
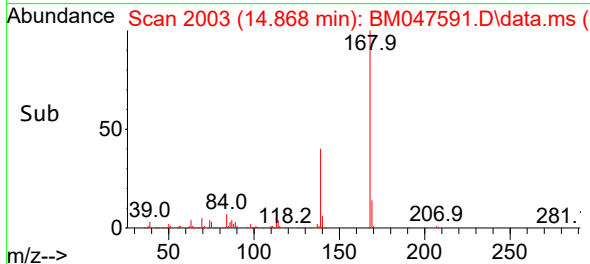
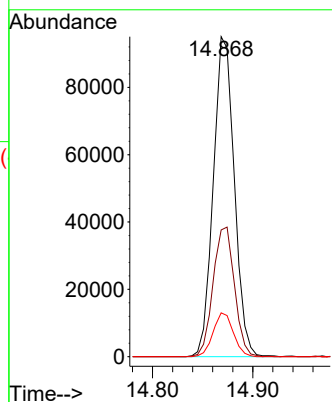
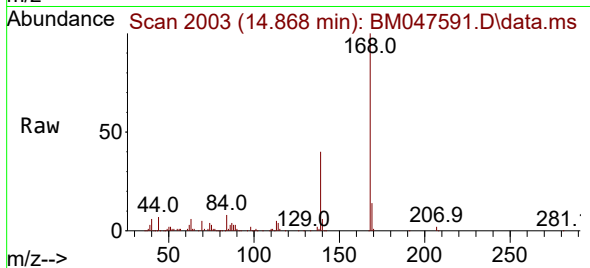
Tgt Ion:168 Resp: 137972

Ion Ratio Lower Upper

168 100

139 39.6 33.4 50.2

169 13.7 10.4 15.6



#58

Fluorene

Concen: 2.424 ng

RT: 15.521 min Scan# 2114

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

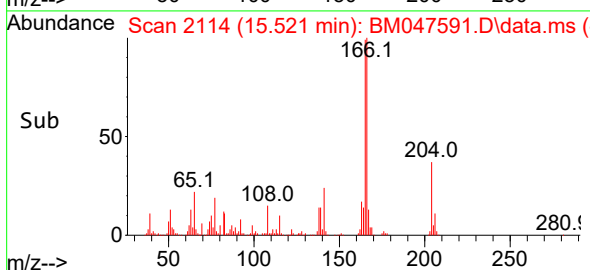
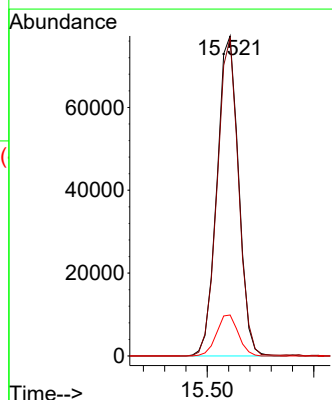
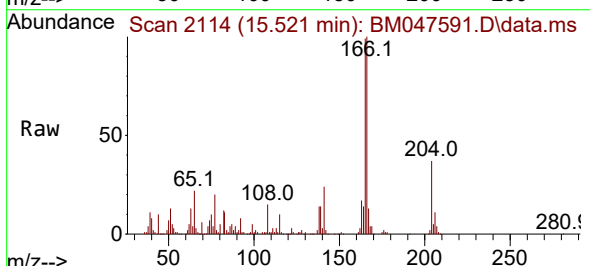
Tgt Ion:166 Resp: 108491

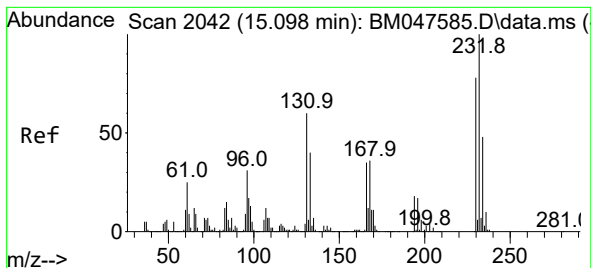
Ion Ratio Lower Upper

166 100

165 99.2 78.4 117.6

167 12.8 10.5 15.7

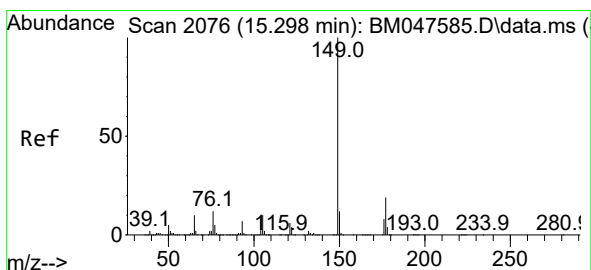
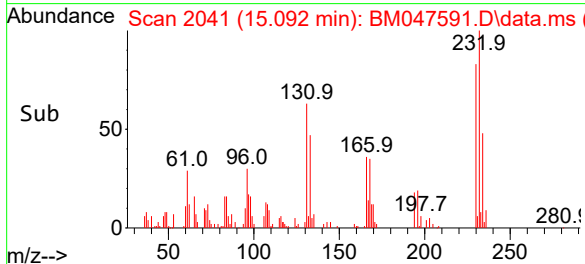
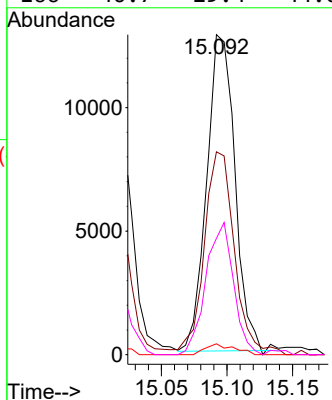
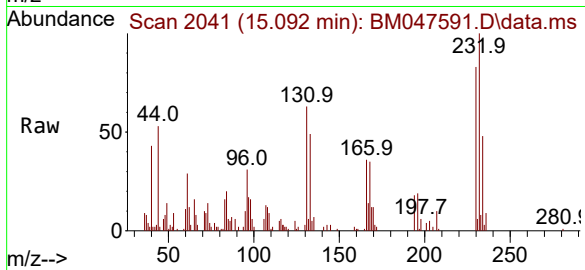




#59
2,3,4,6-Tetrachlorophenol
Concen: 2.164 ng
RT: 15.092 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

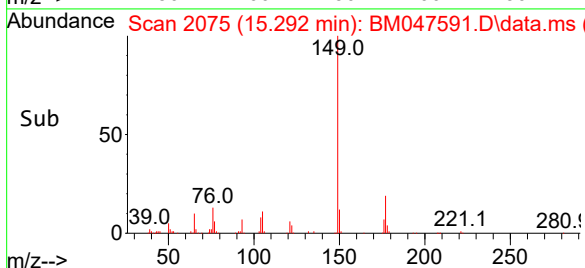
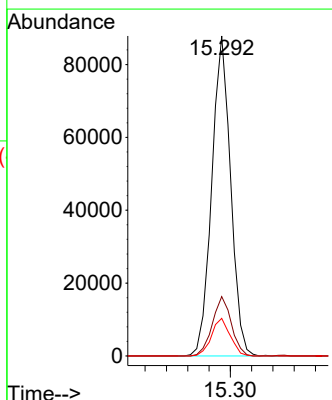
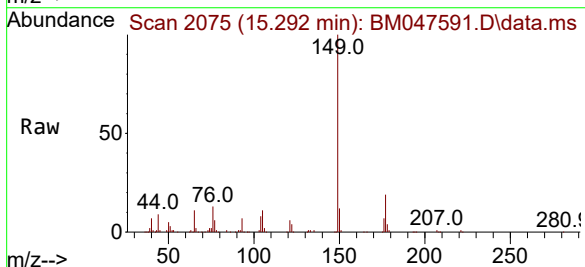
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024

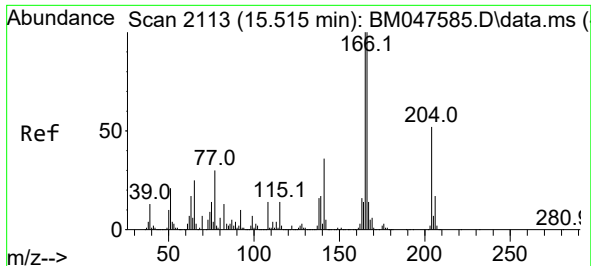
Tgt Ion:232 Resp: 19206
Ion Ratio Lower Upper
232 100
131 68.7 50.3 75.5
130 3.5 3.0 4.4
166 40.7 29.4 44.0



#60
Diethylphthalate
Concen: 2.436 ng
RT: 15.292 min Scan# 2075
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Tgt Ion:149 Resp: 108011
Ion Ratio Lower Upper
149 100
177 18.6 15.4 23.0
150 11.8 9.4 14.0

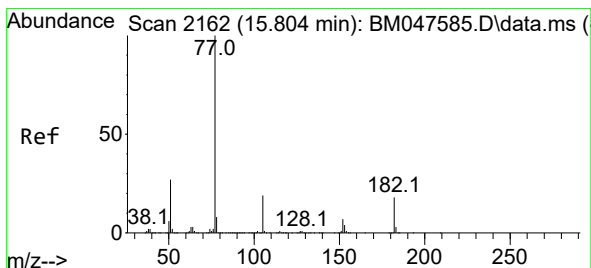
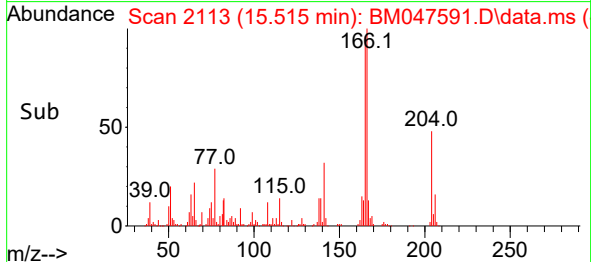
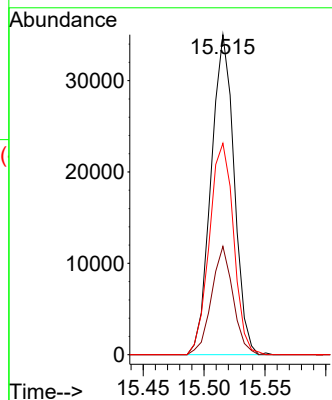
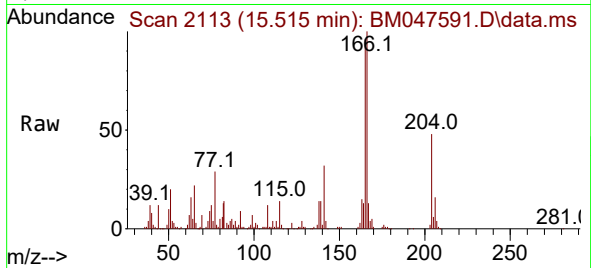




#61
4-Chlorophenyl-phenylether
Concen: 2.361 ng
RT: 15.515 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

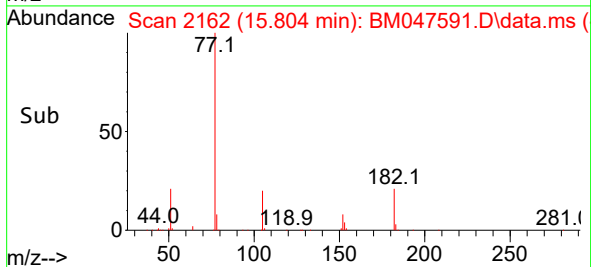
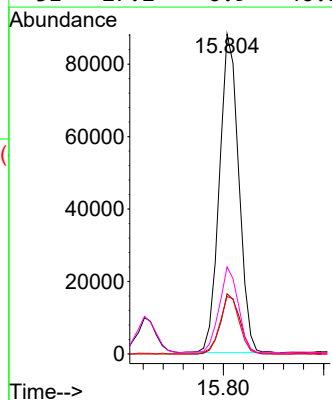
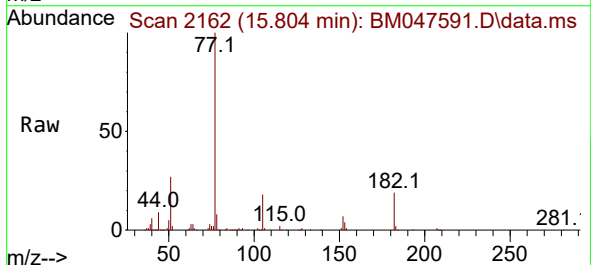
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024

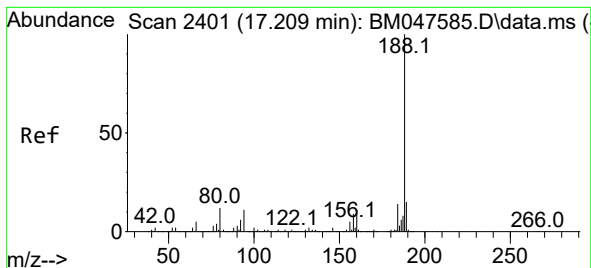
Tgt Ion: 204 Resp: 46170
Ion Ratio Lower Upper
204 100
206 33.8 26.2 39.2
141 66.0 55.3 82.9



#63
Azobenzene
Concen: 2.429 ng
RT: 15.804 min Scan# 2162
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Tgt Ion: 77 Resp: 117747
Ion Ratio Lower Upper
77 100
182 18.8 0.0 38.2
105 17.9 0.0 38.8
51 27.2 6.9 46.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.209 min Scan# 2401

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

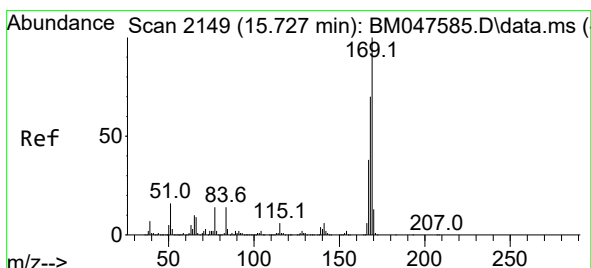
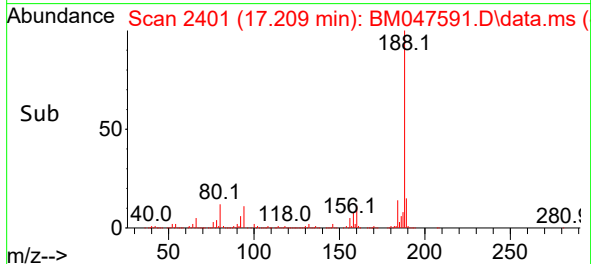
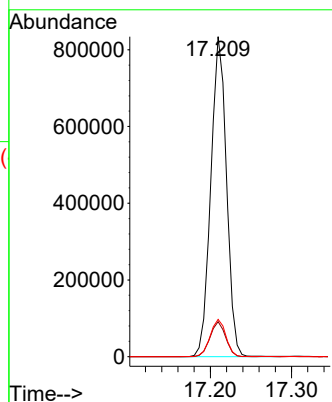
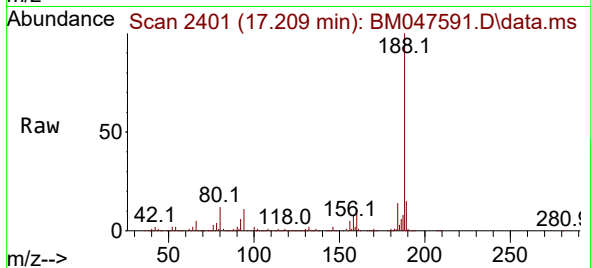
Tgt Ion:188 Resp: 1118044

Ion Ratio Lower Upper

188 100

94 10.9 8.6 13.0

80 11.7 9.9 14.9



#66

n-Nitrosodiphenylamine

Concen: 2.520 ng

RT: 15.727 min Scan# 2149

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

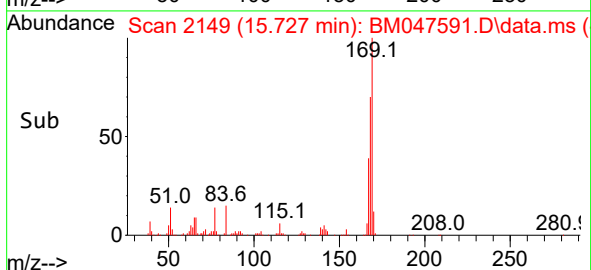
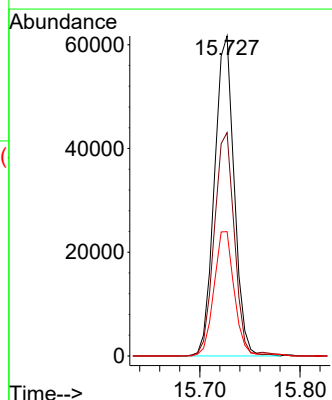
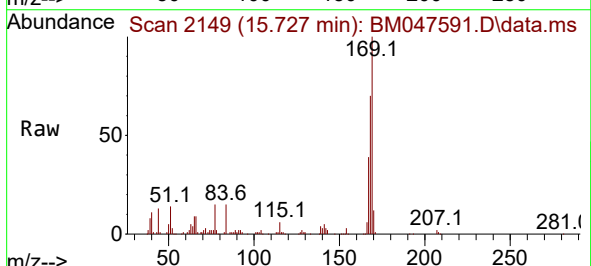
Tgt Ion:169 Resp: 84152

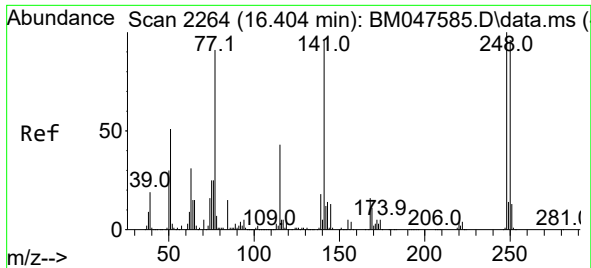
Ion Ratio Lower Upper

169 100

168 69.8 55.8 83.8

167 38.9 30.7 46.1

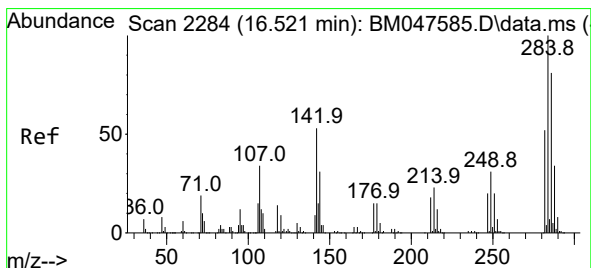
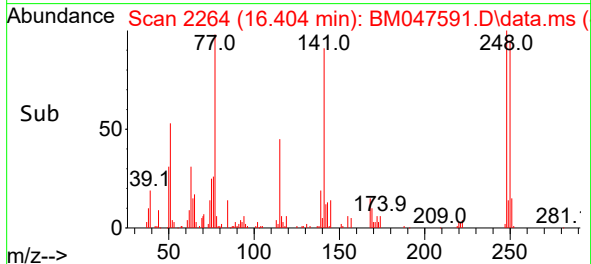
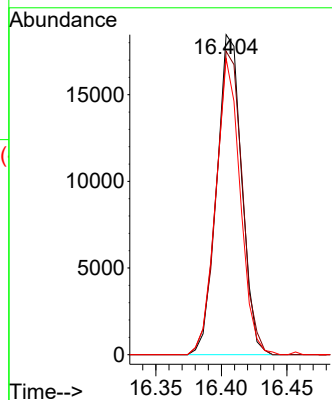
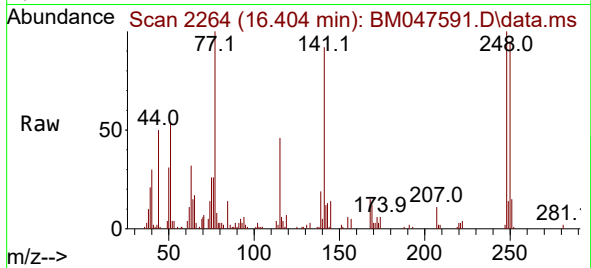




#67
4-Bromophenyl-phenylether
Concen: 2.413 ng
RT: 16.404 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

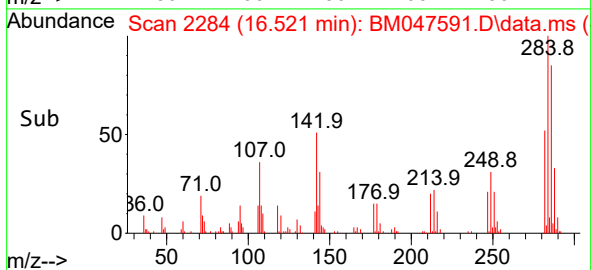
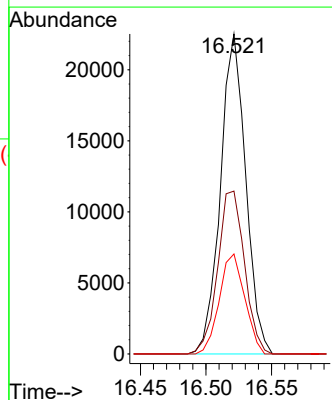
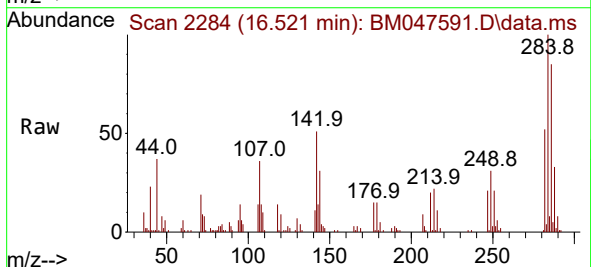
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024

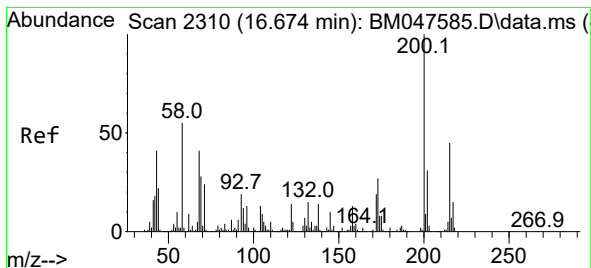
Tgt Ion:248 Resp: 24503
Ion Ratio Lower Upper
248 100
250 94.8 76.7 115.1
141 92.5 76.7 115.1



#68
Hexachlorobenzene
Concen: 2.542 ng
RT: 16.521 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Tgt Ion:284 Resp: 30186
Ion Ratio Lower Upper
284 100
142 50.9 42.5 63.7
249 31.2 25.0 37.6





#69

Atrazine

Concen: 2.799 ng

RT: 16.668 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

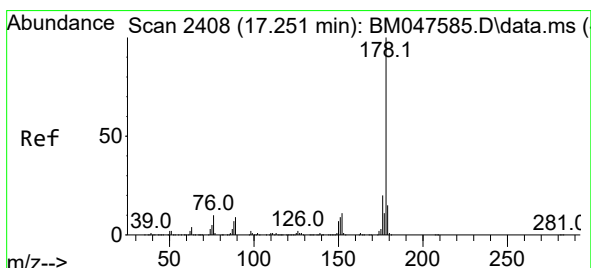
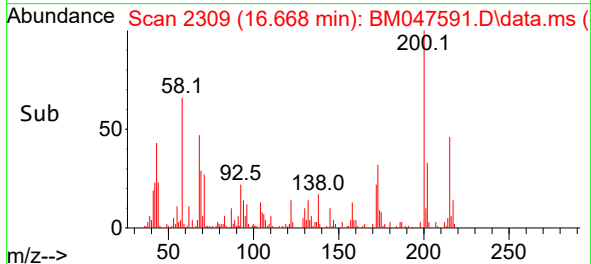
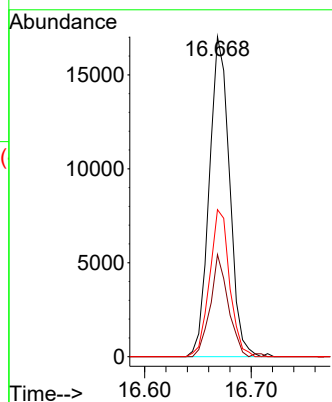
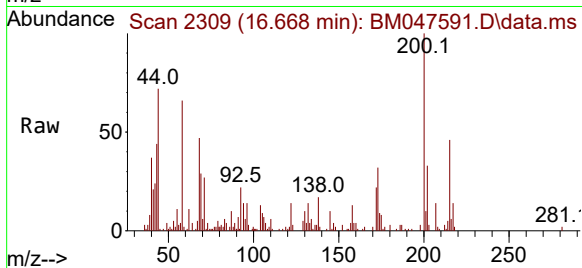
Tgt Ion:200 Resp: 22500

Ion Ratio Lower Upper

200 100

173 31.9 7.4 47.4

215 45.9 24.5 64.5



#71

Phenanthrene

Concen: 2.669 ng

RT: 17.251 min Scan# 2408

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

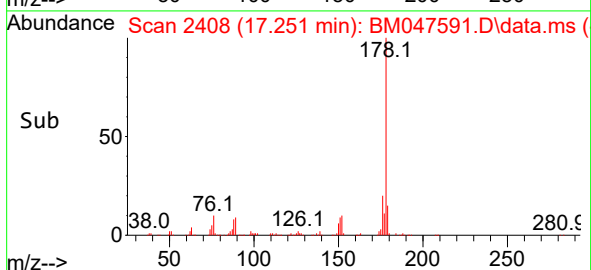
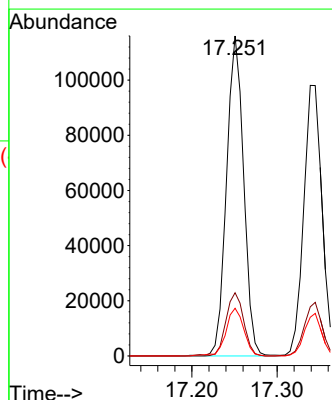
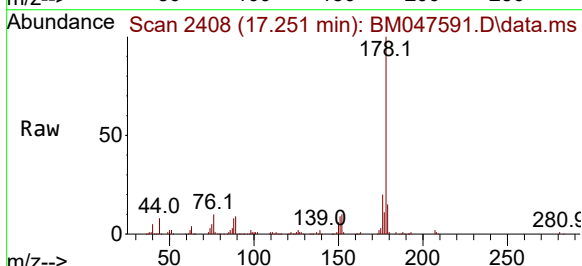
Tgt Ion:178 Resp: 162002

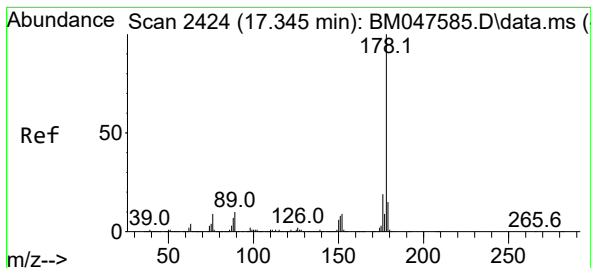
Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

179 14.9 12.2 18.2





#72

Anthracene

Concen: 2.569 ng

RT: 17.339 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

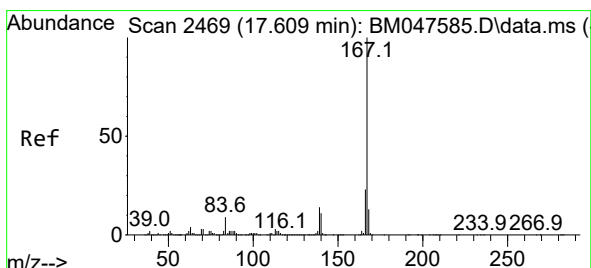
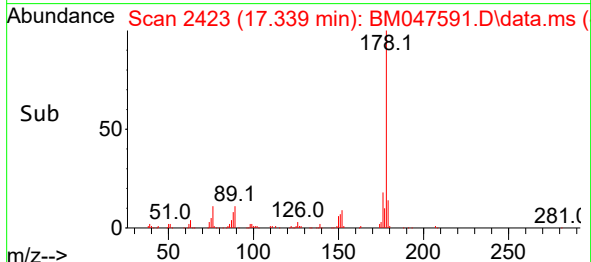
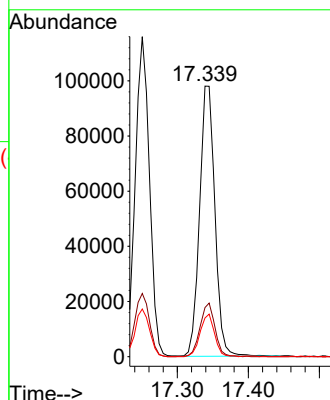
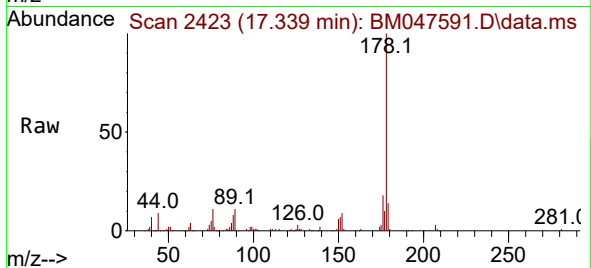
Tgt Ion:178 Resp: 147707

Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.2

179 14.3 12.2 18.2



#73

Carbazole

Concen: 2.340 ng

RT: 17.604 min Scan# 2468

Delta R.T. -0.006 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

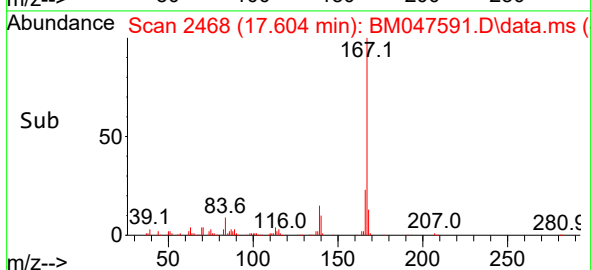
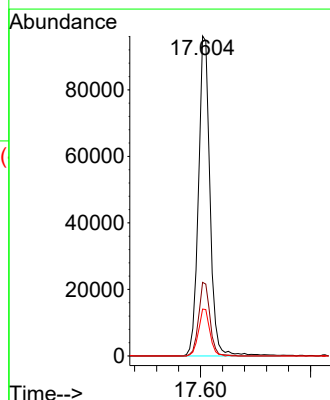
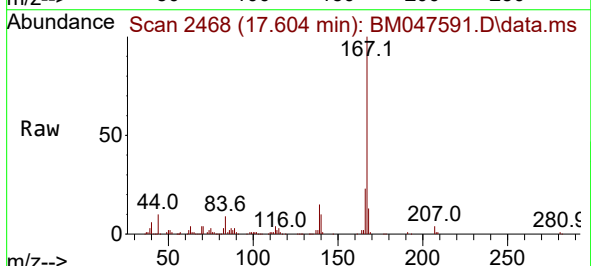
Tgt Ion:167 Resp: 140194

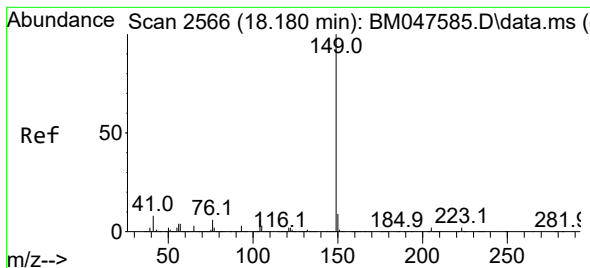
Ion Ratio Lower Upper

167 100

166 23.0 18.0 27.0

139 14.6 11.3 16.9





#74

Di-n-butylphthalate

Concen: 2.059 ng

RT: 18.180 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

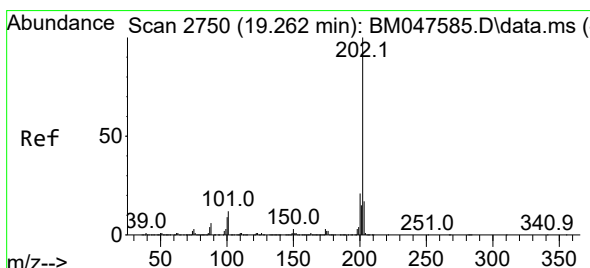
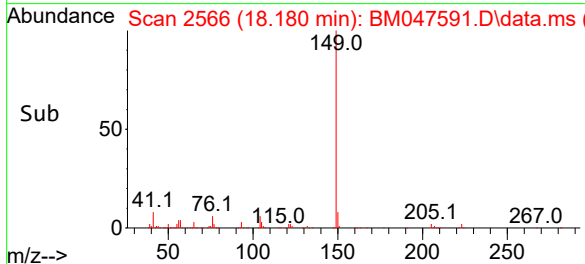
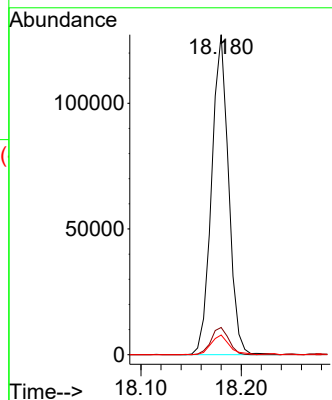
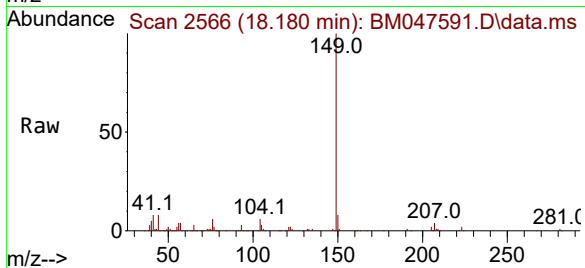
Tgt Ion:149 Resp: 149245

Ion Ratio Lower Upper

149 100

150 8.5 7.4 11.0

104 6.2 4.7 7.1



#75

Fluoranthene

Concen: 2.270 ng

RT: 19.256 min Scan# 2749

Delta R.T. -0.006 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

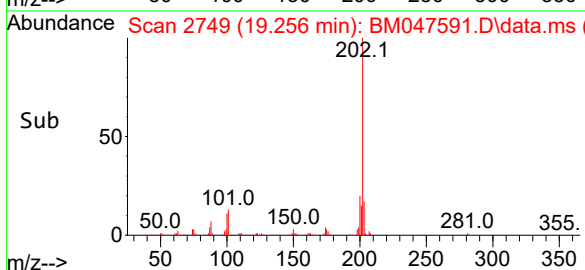
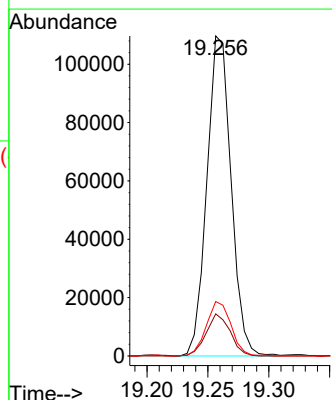
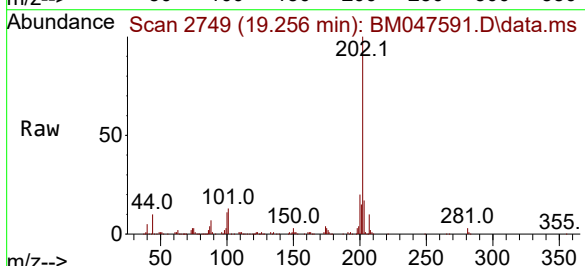
Tgt Ion:202 Resp: 151631

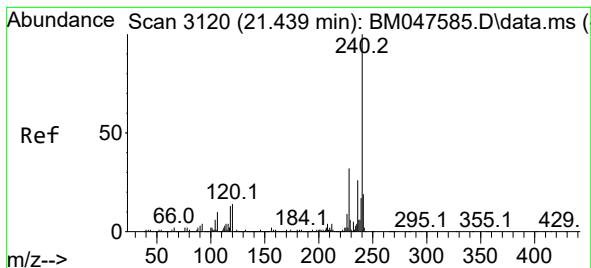
Ion Ratio Lower Upper

202 100

101 13.2 0.0 32.2

203 17.0 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.433 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

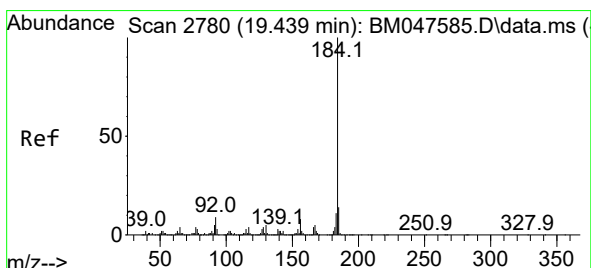
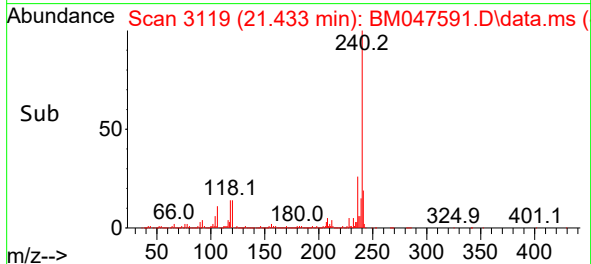
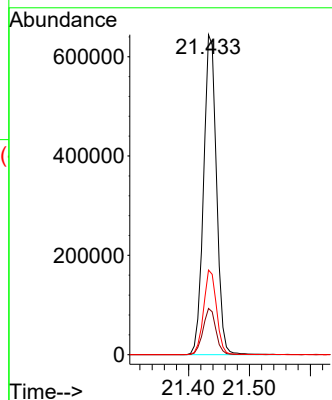
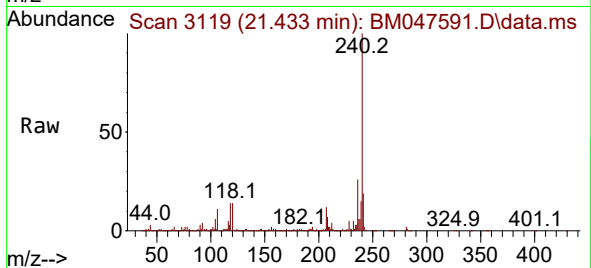
Tgt Ion:240 Resp: 951186

Ion Ratio Lower Upper

240 100

120 14.5 10.8 16.2

236 26.5 20.8 31.2



#77

Benzidine

Concen: 3.452 ng

RT: 19.439 min Scan# 2780

Delta R.T. -0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

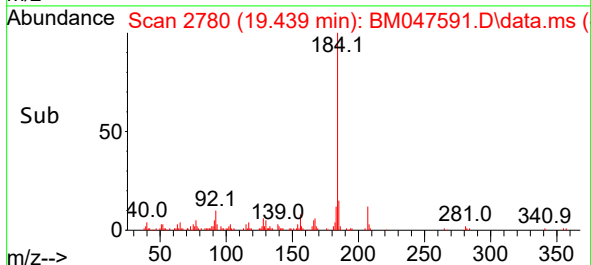
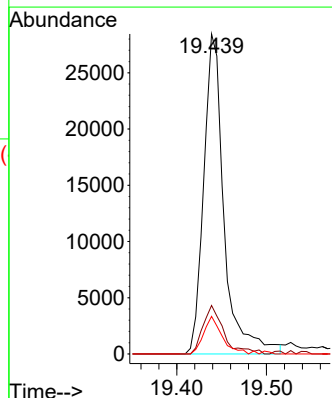
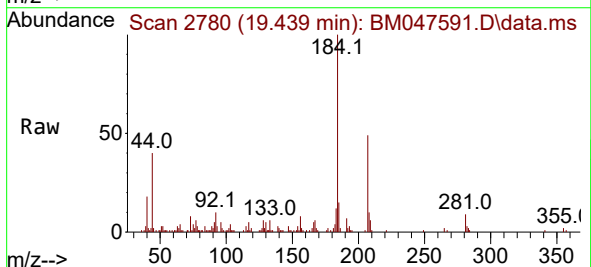
Tgt Ion:184 Resp: 44712

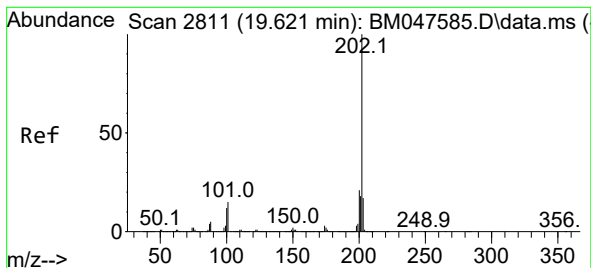
Ion Ratio Lower Upper

184 100

185 15.1 11.5 17.3

183 11.7 8.7 13.1





#78

Pyrene

Concen: 2.409 ng

RT: 19.621 min Scan# 2811

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

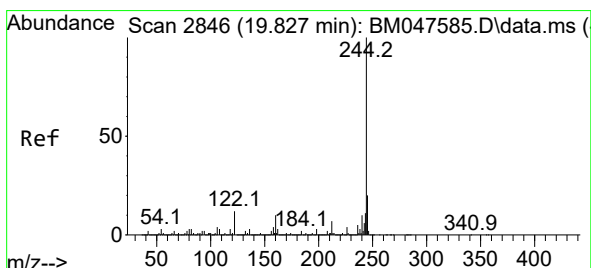
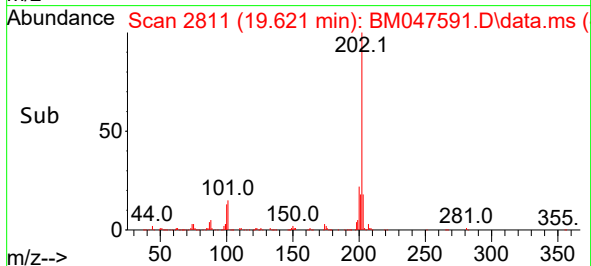
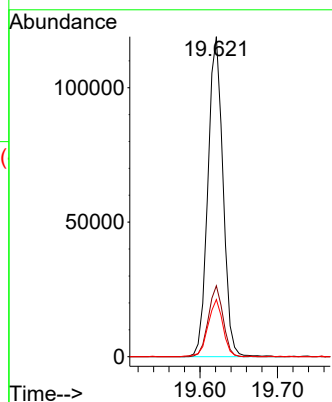
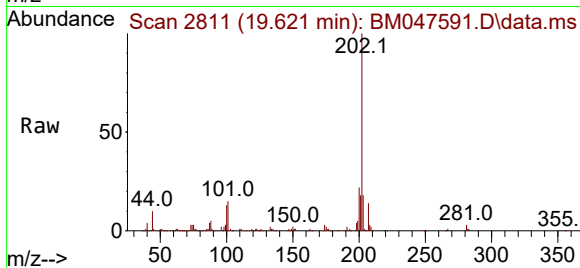
Tgt Ion:202 Resp: 160392

Ion Ratio Lower Upper

202 100

200 22.2 17.2 25.8

203 17.8 13.8 20.8



#79

Terphenyl-d14

Concen: 58.053 ng

RT: 19.827 min Scan# 2846

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

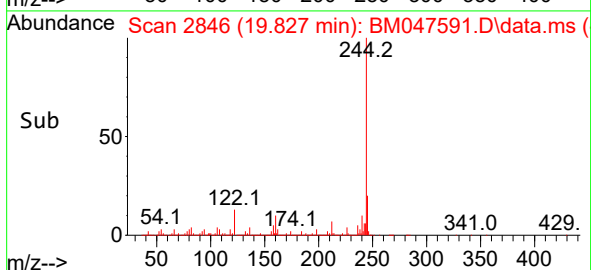
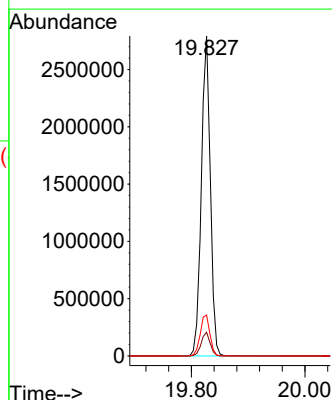
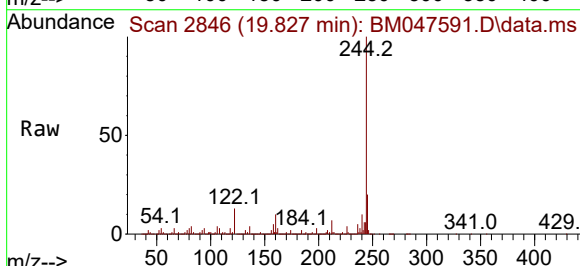
Tgt Ion:244 Resp: 3077517

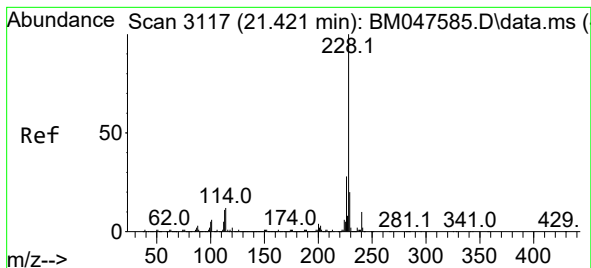
Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 12.8 10.0 15.0





#81

Benzo(a)anthracene

Concen: 2.666 ng

RT: 21.415 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

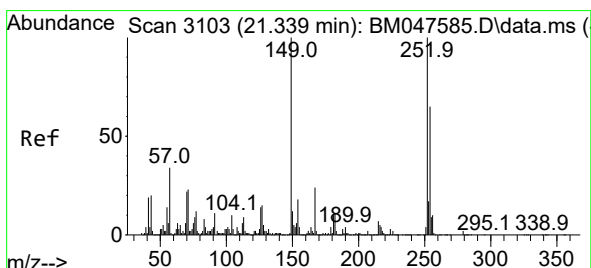
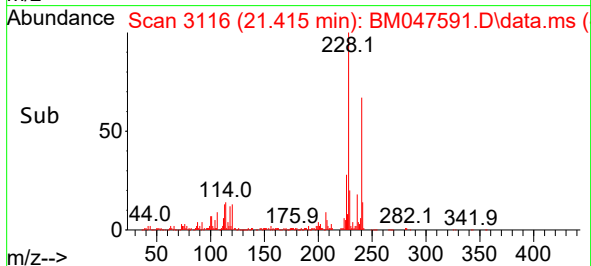
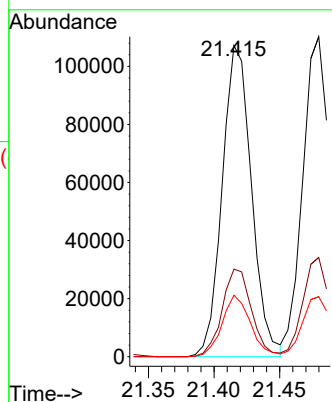
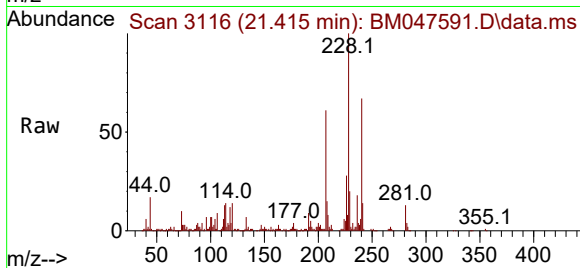
Tgt Ion:228 Resp: 166773

Ion Ratio Lower Upper

228 100

226 28.1 22.4 33.6

229 19.8 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 2.120 ng

RT: 21.339 min Scan# 3103

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

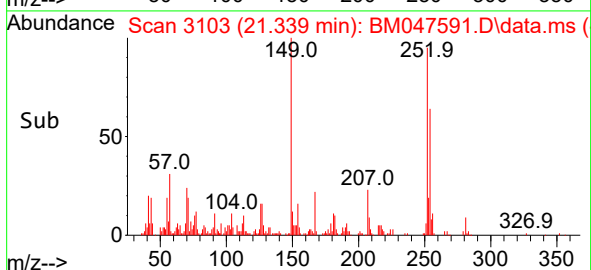
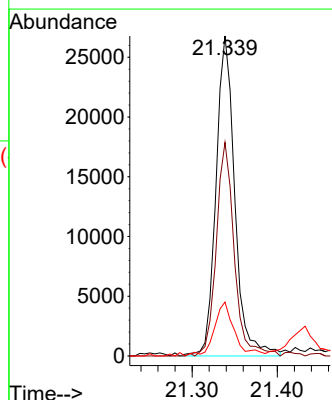
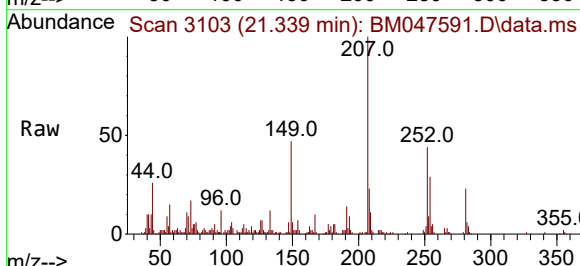
Tgt Ion:252 Resp: 41184

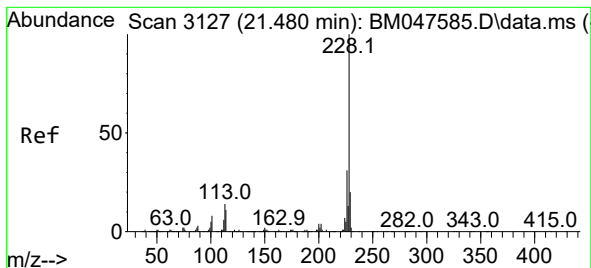
Ion Ratio Lower Upper

252 100

254 66.7 52.3 78.5

126 16.9 11.4 17.0





#83

Chrysene

Concen: 2.744 ng

RT: 21.480 min Scan# 3127

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

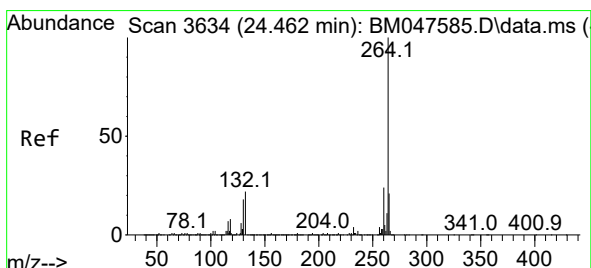
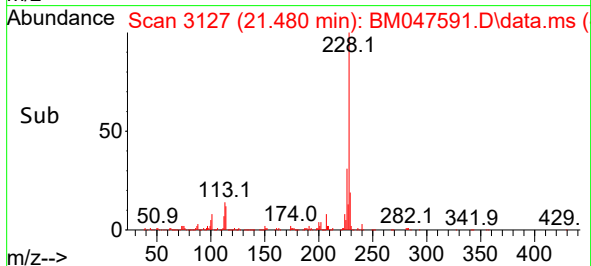
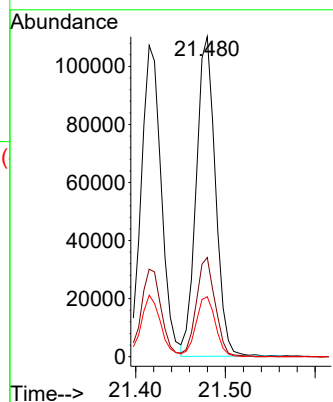
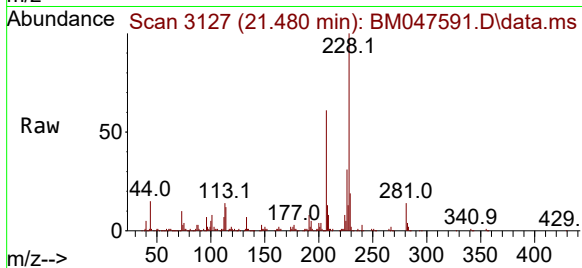
Tgt Ion:228 Resp: 163191

Ion Ratio Lower Upper

228 100

226 31.0 24.9 37.3

229 18.8 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.462 min Scan# 3634

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

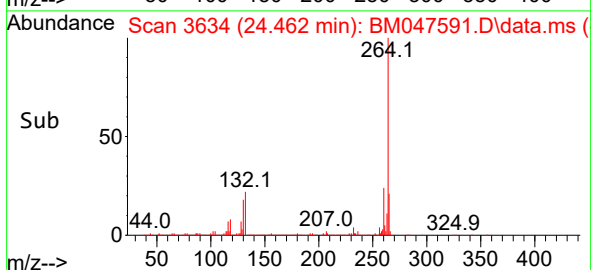
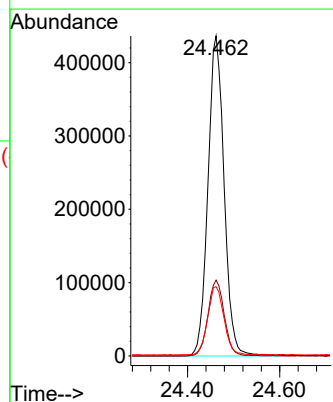
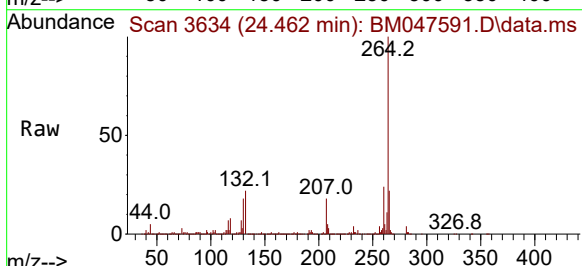
Tgt Ion:264 Resp: 1063953

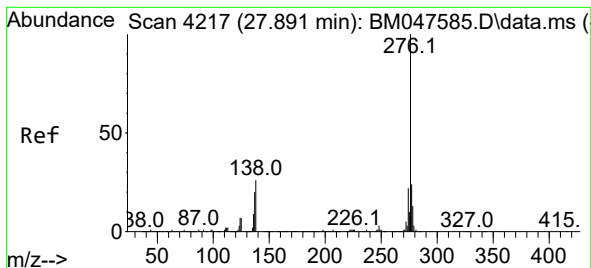
Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

265 21.6 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.523 ng

RT: 27.873 min Scan# 41

Delta R.T. -0.018 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

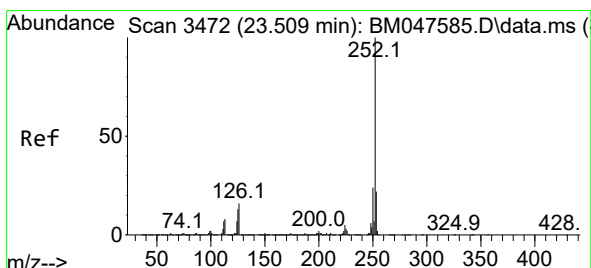
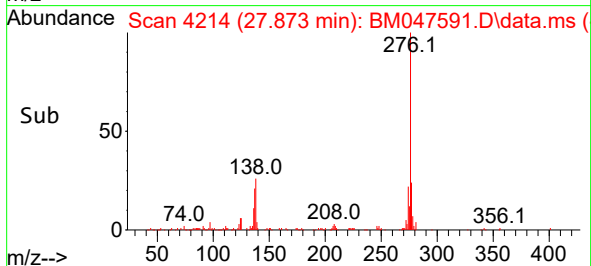
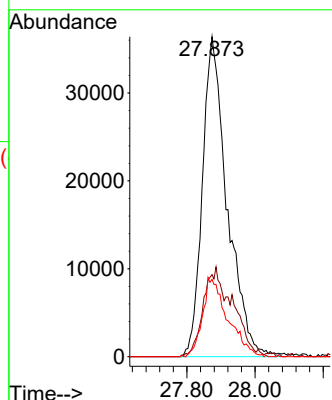
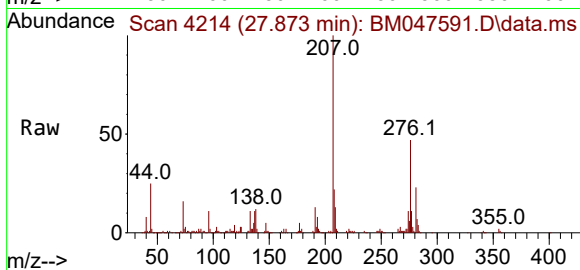
Tgt Ion:276 Resp: 184551

Ion Ratio Lower Upper

276 100

138 0.0 18.1 27.1#

277 25.1 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 2.307 ng

RT: 23.503 min Scan# 3471

Delta R.T. -0.006 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

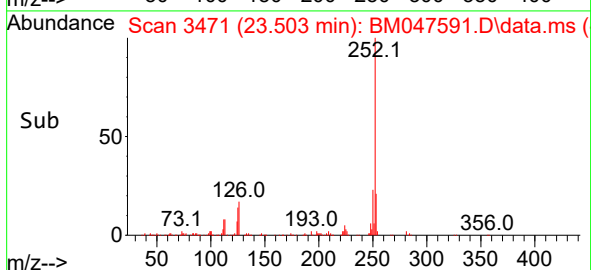
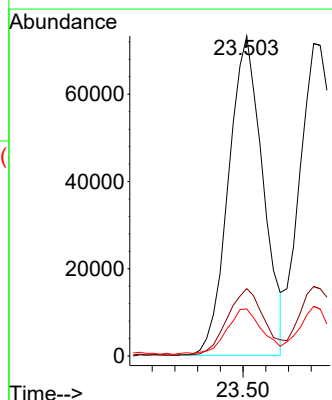
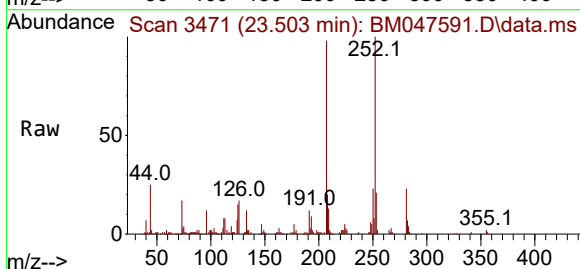
Tgt Ion:252 Resp: 154250

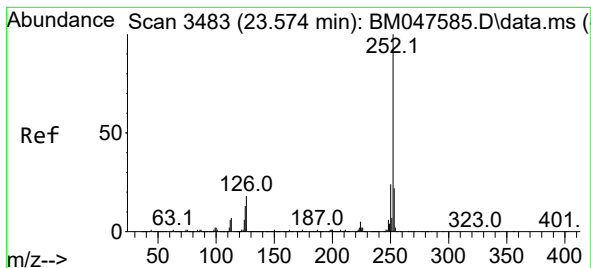
Ion Ratio Lower Upper

252 100

253 21.0 17.4 26.0

125 14.7 10.2 15.2





#89

Benzo(k)fluoranthene

Concen: 2.350 ng

RT: 23.503 min Scan# 34

Delta R.T. -0.071 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

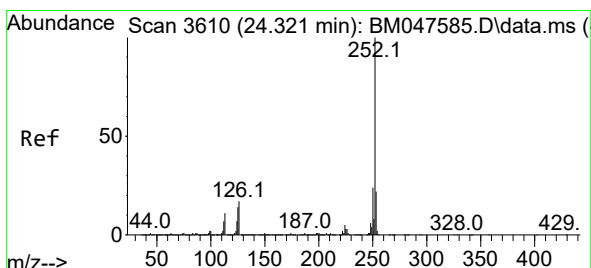
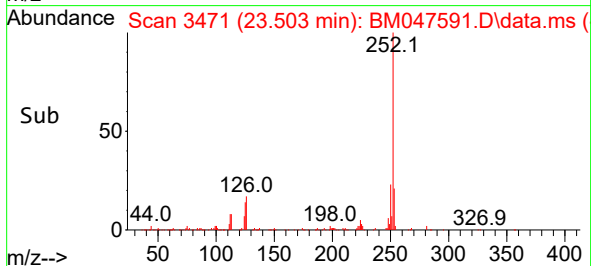
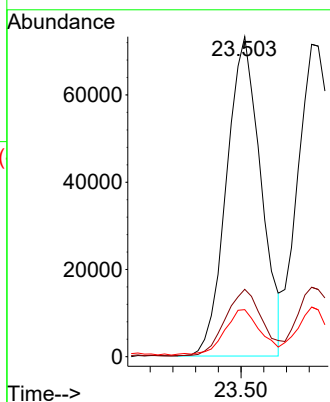
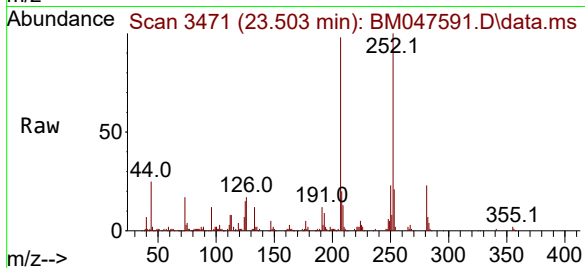
Tgt Ion:252 Resp: 154250

Ion Ratio Lower Upper

252 100

253 21.0 17.6 26.4

125 14.7 10.2 15.4



#90

Benzo(a)pyrene

Concen: 2.498 ng

RT: 24.315 min Scan# 3609

Delta R.T. -0.006 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

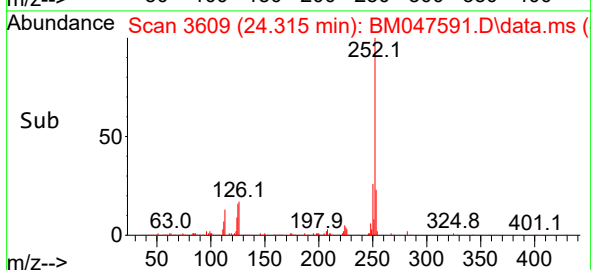
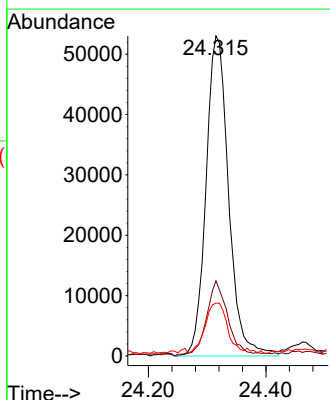
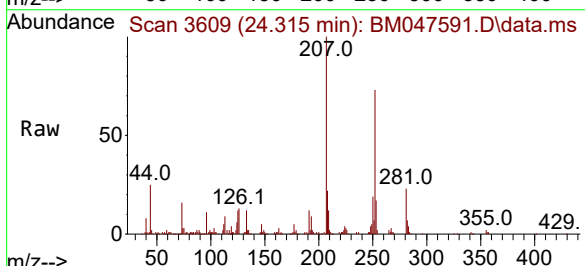
Tgt Ion:252 Resp: 141623

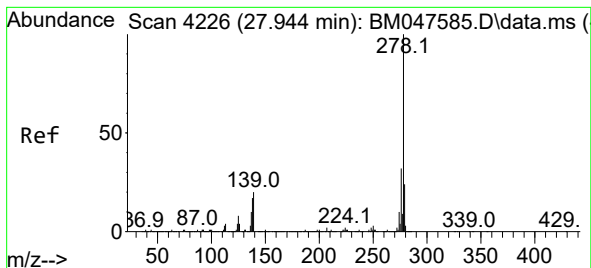
Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

125 16.5 11.5 17.3





#91

Dibenzo(a,h)anthracene

Concen: 2.434 ng

RT: 27.938 min Scan# 4394

Delta R.T. -0.006 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

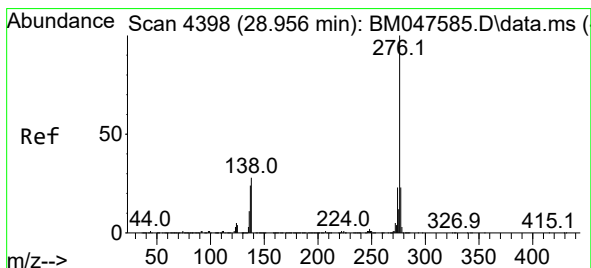
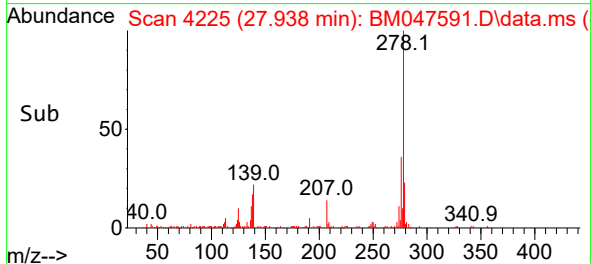
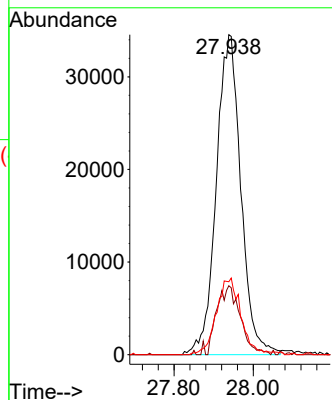
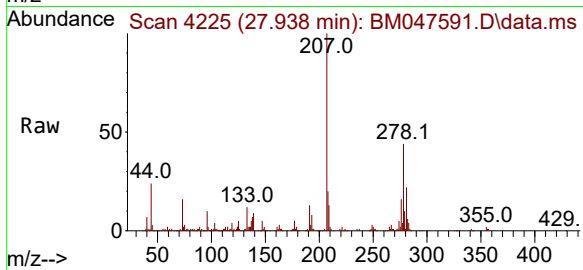
Tgt Ion:278 Resp: 148735

Ion Ratio Lower Upper

278 100

139 21.6 16.4 24.6

279 22.8 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 2.379 ng

RT: 28.932 min Scan# 4394

Delta R.T. -0.023 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Tgt Ion:276 Resp: 145680

Ion Ratio Lower Upper

276 100

277 23.2 18.3 27.5

138 27.0 22.3 33.5

