

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091724\
 Data File : BM047546.D
 Acq On : 17 Sep 2024 16:27
 Operator : RC/JU
 Sample : P2403-01
 Misc : LOD-MDL-SOIL-4 PPM
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Sep 17 17:32:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 08:56:37 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	410655	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1756932	20.000	ng	0.00
39) Acenaphthene-d10	14.474	164	1013774	20.000	ng	0.00
64) Phenanthrene-d10	17.210	188	1928830	20.000	ng	0.00
76) Chrysene-d12	21.433	240	1514587	20.000	ng	-0.01
86) Perylene-d12	24.462	264	1411706	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	3281586	127.236	ng	0.00
7) Phenol-d6	7.010	99	4501942	123.947	ng	0.00
23) Nitrobenzene-d5	8.998	82	3141265	89.479	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	1306540	133.334	ng	0.00
45) 2-Fluorobiphenyl	13.104	172	6471081	87.929	ng	0.00
79) Terphenyl-d14	19.827	244	8026979	94.969	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.322	88	48408	4.382	ng	98
3) Pyridine	3.722	79	119302	3.628	ng	97
4) n-Nitrosodimethylamine	3.628	42	61464	4.120	ng	# 90
6) Aniline	7.169	93	143732	4.464	ng	98
8) 2-Chlorophenol	7.410	128	108677	3.822	ng	97
9) Benzaldehyde	6.981	77	117795	6.820	ng	97
10) Phenol	7.034	94	139900	3.847	ng	97
11) bis(2-Chloroethyl)ether	7.269	93	116331	3.984	ng	99
12) 1,3-Dichlorobenzene	7.740	146	117011	3.760	ng	98
13) 1,4-Dichlorobenzene	7.881	146	116385	3.672	ng	100
14) 1,2-Dichlorobenzene	8.198	146	113004	3.623	ng	98
15) Benzyl Alcohol	8.081	79	93053	3.782	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.369	45	173838	4.233	ng	98
17) 2-Methylphenol	8.281	107	80032	3.445	ng	99
18) Hexachloroethane	8.934	117	47471	3.749	ng	97
19) n-Nitroso-di-n-propyla...	8.651	70	90039	3.677	ng	98
20) 3+4-Methylphenols	8.610	107	106352	3.281	ng	97
22) Acetophenone	8.663	105	178293	3.860	ng	# 97
24) Nitrobenzene	9.040	77	148948	4.129	ng	96
25) Isophorone	9.569	82	235386	3.814	ng	100
26) 2-Nitrophenol	9.751	139	35910	2.921	ng	93
27) 2,4-Dimethylphenol	9.810	122	50563	2.713	ng	96
28) bis(2-Chloroethoxy)met...	10.051	93	148954	3.842	ng	99
29) 2,4-Dichlorophenol	10.286	162	73311	3.097	ng	95
30) 1,2,4-Trichlorobenzene	10.504	180	93271	3.439	ng	97
31) Naphthalene	10.692	128	339326	3.576	ng	99
32) Benzoic acid	9.863	122	28338	8.027	ng	97
33) 4-Chloroaniline	10.792	127	127643	3.721	ng	98
34) Hexachlorobutadiene	10.986	225	51008	3.396	ng	97
35) Caprolactam	11.545	113	22858	2.931	ng	# 86
36) 4-Chloro-3-methylphenol	11.910	107	86129	3.175	ng	97
37) 2-Methylnaphthalene	12.298	142	214562	3.397	ng	99
38) 1-Methylnaphthalene	12.522	142	198643	3.165	ng	99
40) 1,2,4,5-Tetrachloroben...	12.669	216	91784	3.346	ng	97
41) Hexachlorocyclopentadiene	12.657	237	19465	2.171	ng	94
43) 2,4,6-Trichlorophenol	12.904	196	49796	2.897	ng	96

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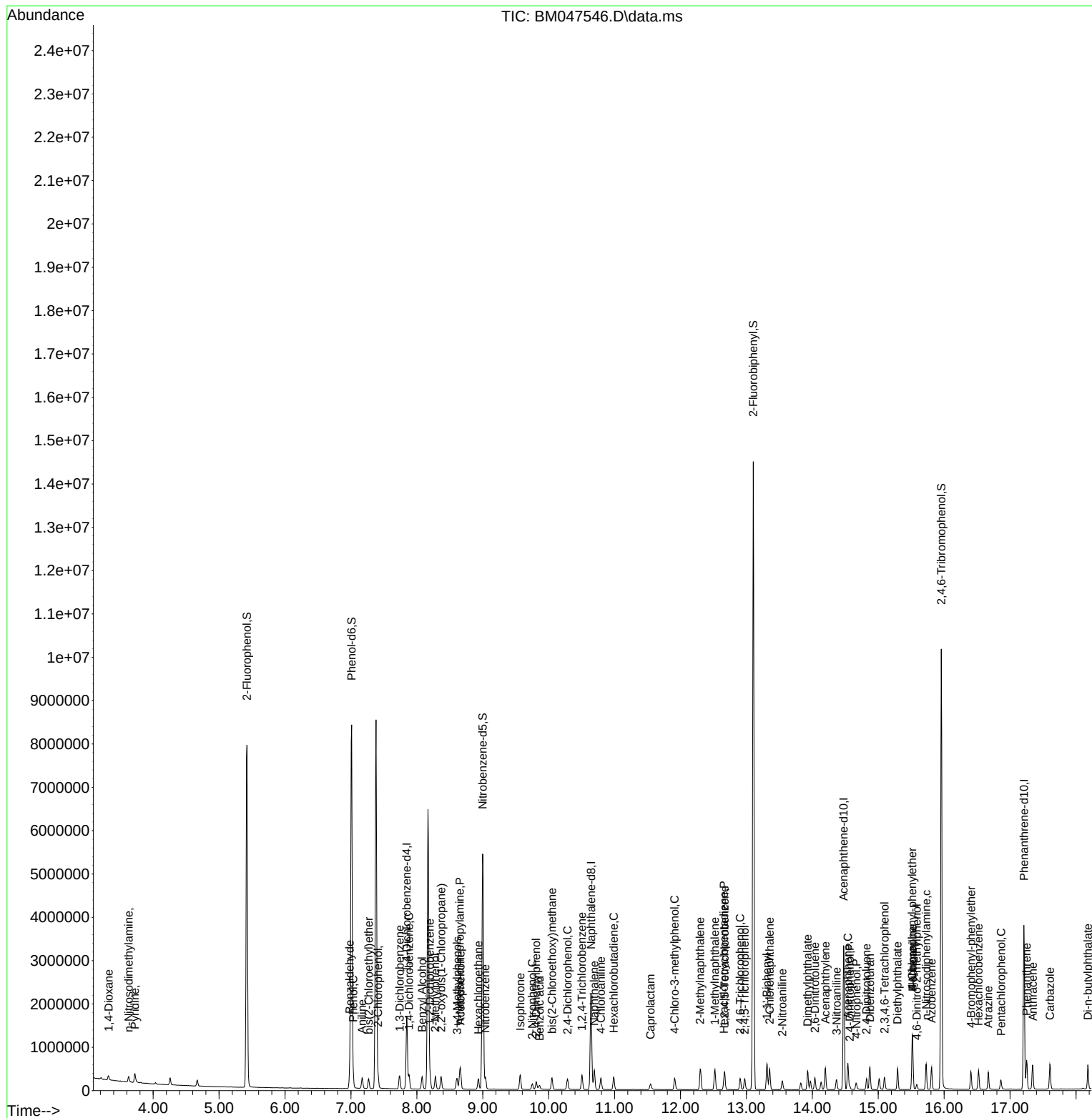
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.975	196	56433	2.907	ng	96
46) 1,1'-Biphenyl	13.310	154	292415	3.707	ng	97
47) 2-Chloronaphthalene	13.351	162	209273	3.417	ng	98
48) 2-Nitroaniline	13.545	65	52452	2.916	ng	92
49) Acenaphthylene	14.198	152	321693	3.640	ng	100
50) Dimethylphthalate	13.927	163	242010	3.502	ng	98
51) 2,6-Dinitrotoluene	14.039	165	42510	2.914	ng	87
52) Acenaphthene	14.539	154	199245	3.217	ng	97
53) 3-Nitroaniline	14.369	138	47884	2.953	ng	# 94
54) 2,4-Dinitrophenol	14.569	184	10333	4.500	ng	89
55) Dibenzofuran	14.874	168	303948	3.493	ng	96
56) 4-Nitrophenol	14.669	139	34474	2.584	ng	96
57) 2,4-Dinitrotoluene	14.821	165	50349	2.588	ng	# 86
58) Fluorene	15.521	166	243720	3.111	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.098	232	44994	2.973	ng	94
60) Diethylphthalate	15.292	149	249653	3.395	ng	98
61) 4-Chlorophenyl-phenyle...	15.516	204	107196	2.992	ng	93
62) 4-Nitroaniline	15.521	138	46567	2.443	ng	84
63) Azobenzene	15.810	77	296215	3.658	ng	97
65) 4,6-Dinitro-2-methylph...	15.586	198	16540	8.604	ng	85
66) n-Nitrosodiphenylamine	15.727	169	192466	3.262	ng	96
67) 4-Bromophenyl-phenylether	16.410	248	58035	3.097	ng	95
68) Hexachlorobenzene	16.521	284	67880	3.197	ng	96
69) Atrazine	16.668	200	52220	3.202	ng	94
70) Pentachlorophenol	16.863	266	28547	2.319	ng	91
71) Phenanthrene	17.251	178	359925	3.386	ng	100
72) Anthracene	17.345	178	318220	3.116	ng	100
73) Carbazole	17.604	167	322791	3.189	ng	98
74) Di-n-butylphthalate	18.180	149	362060	2.990	ng	99
75) Fluoranthene	19.262	202	340546	2.936	ng	97
77) Benzidine	19.439	184	80542	3.776	ng	98
78) Pyrene	19.621	202	354991	3.213	ng	99
80) Butylbenzylphthalate	20.521	149	118673	2.790	ng	94
81) Benzo(a)anthracene	21.415	228	347869	3.524	ng	99
82) 3,3'-Dichlorobenzidine	21.339	252	83769	3.190	ng	# 96
83) Chrysene	21.480	228	324688	3.477	ng	97
84) Bis(2-ethylhexyl)phtha...	21.350	149	199409	2.993	ng	96
85) Di-n-octyl phthalate	22.497	149	276631	2.935	ng	# 96
87) Indeno(1,2,3-cd)pyrene	27.874	276	291175	3.447	ng	96
88) Benzo(b)fluoranthene	23.503	252	294898	3.229	ng	99
89) Benzo(k)fluoranthene	23.562	252	299139	3.305	ng	98
90) Benzo(a)pyrene	24.315	252	250412	3.345	ng	99
91) Dibenzo(a,h)anthracene	27.927	278	236726	3.330	ng	96
92) Benzo(g,h,i)perylene	28.932	276	220226	3.172	ng	95

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

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

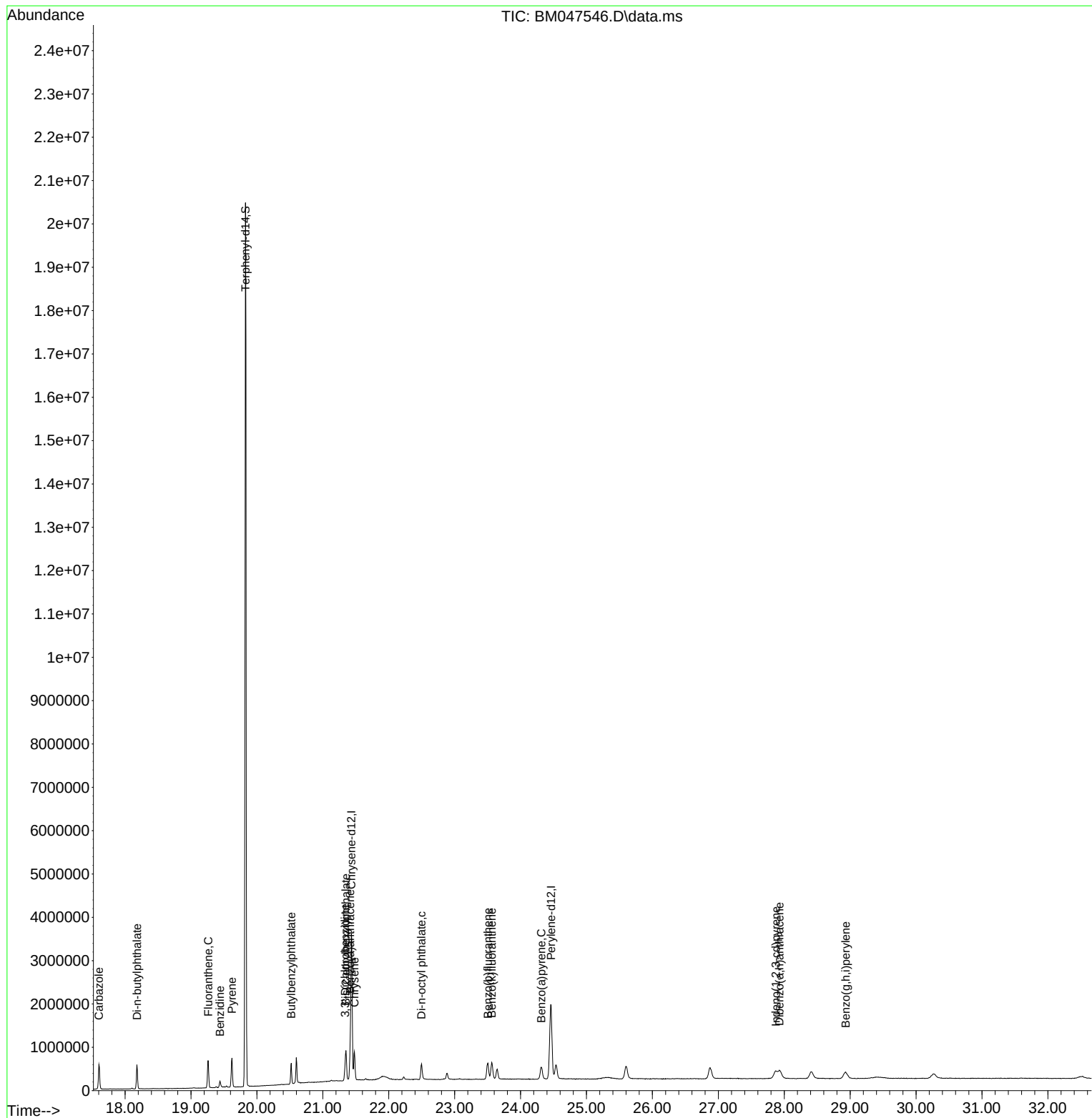
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
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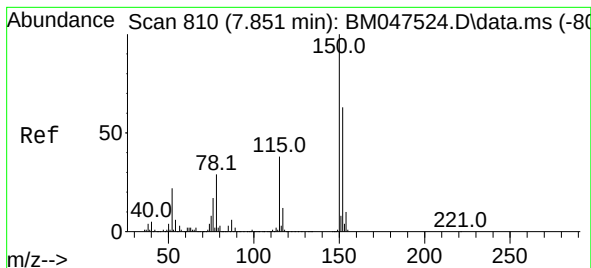


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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.845 min Scan# 810

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

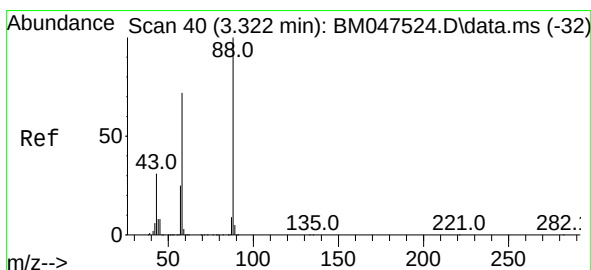
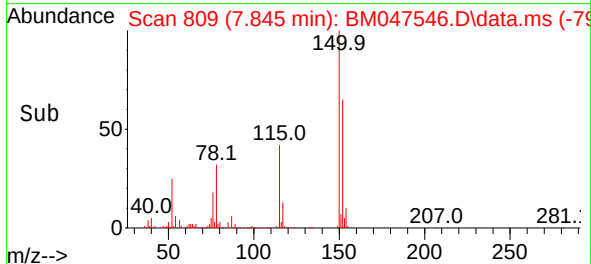
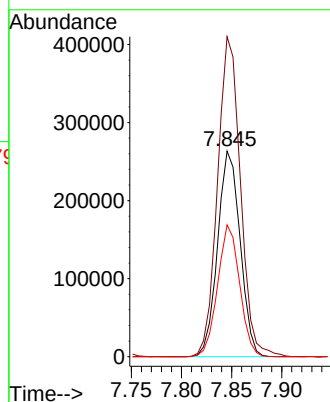
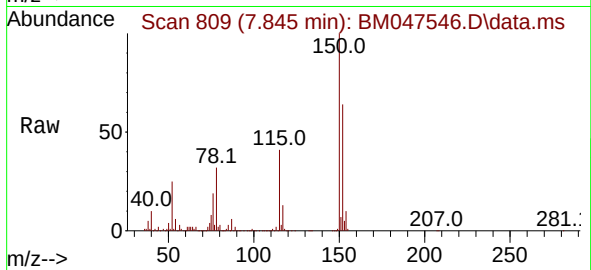
Tgt Ion:152 Resp: 410655

Ion Ratio Lower Upper

152 100

150 155.6 126.8 190.2

115 64.1 47.8 71.8



#2

1,4-Dioxane

Concen: 4.382 ng

RT: 3.322 min Scan# 40

Delta R.T. 0.000 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

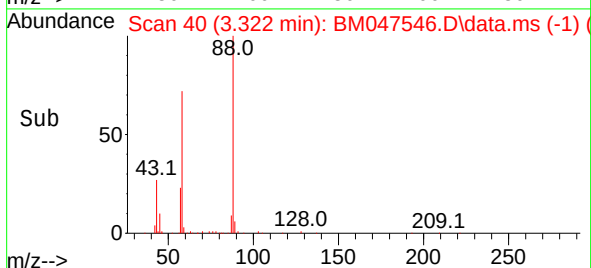
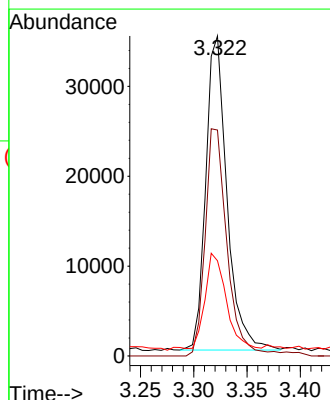
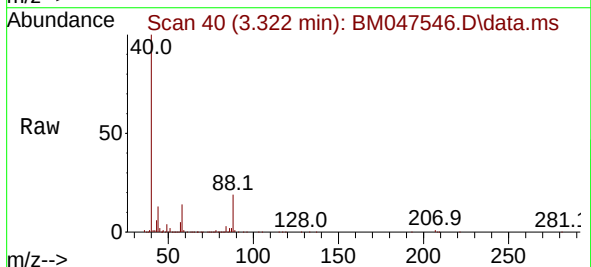
Tgt Ion: 88 Resp: 48408

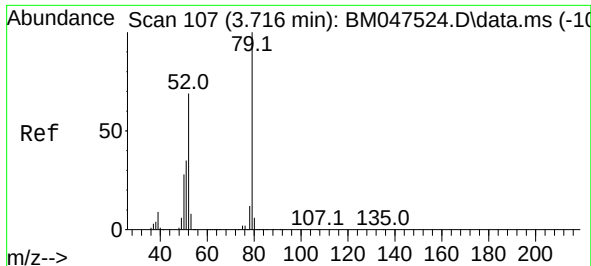
Ion Ratio Lower Upper

88 100

58 75.8 59.0 88.6

43 32.1 25.0 37.4

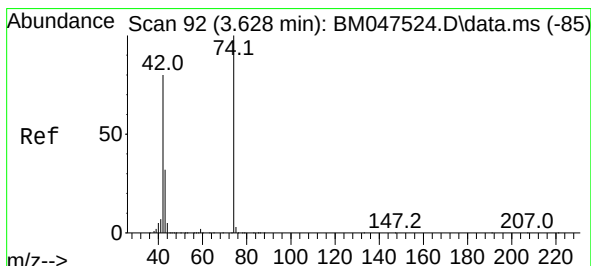
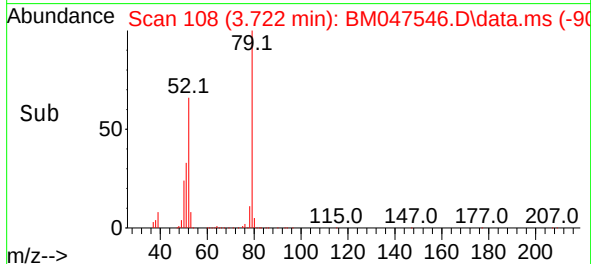
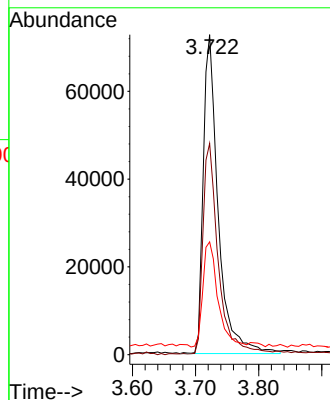
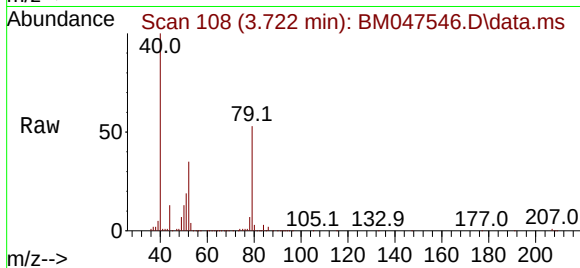




#3
Pyridine
Concen: 3.628 ng
RT: 3.722 min Scan# 107
Delta R.T. 0.006 min
Lab File: BM047546.D
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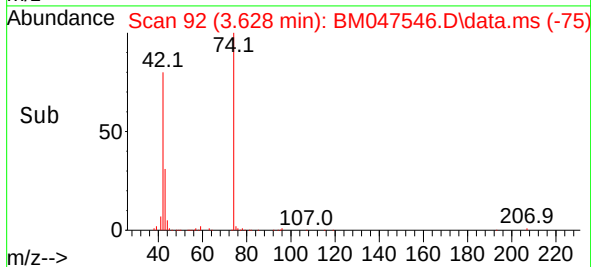
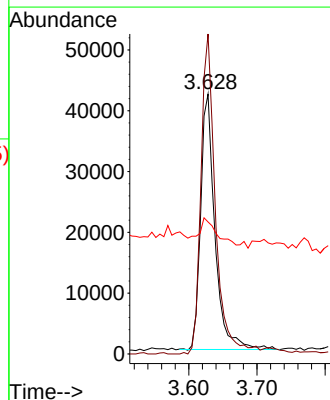
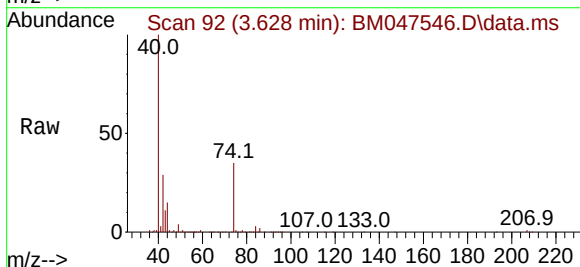
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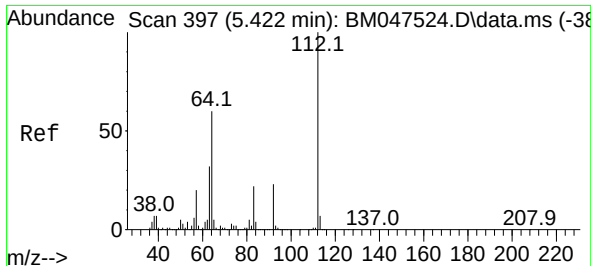
Tgt Ion: 79 Resp: 119302
Ion Ratio Lower Upper
79 100
52 66.0 55.4 83.0
51 35.3 27.9 41.9



#4
n-Nitrosodimethylamine
Concen: 4.120 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion: 42 Resp: 61464
Ion Ratio Lower Upper
42 100
74 123.1 100.5 150.7
44 50.8 6.9 10.3

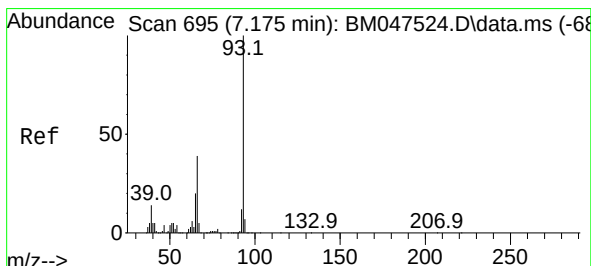
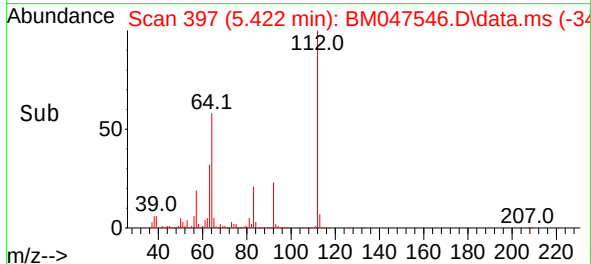
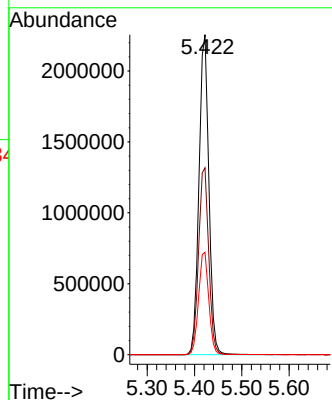
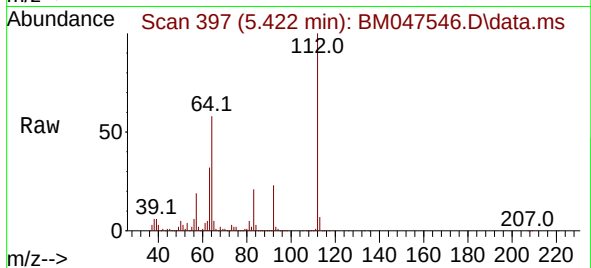




#5
2-Fluorophenol
Concen: 127.236 ng
RT: 5.422 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

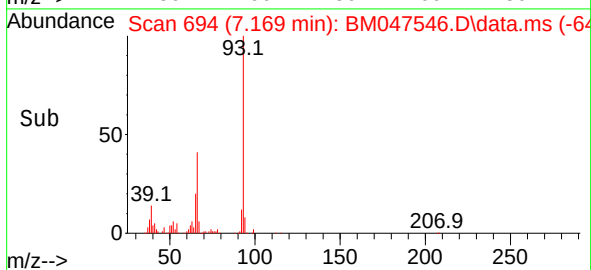
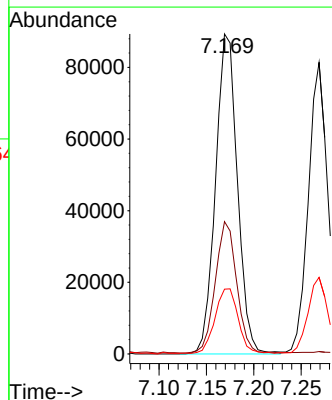
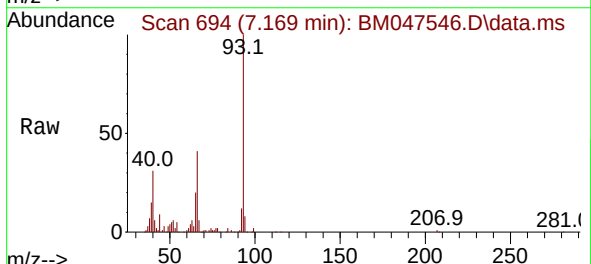
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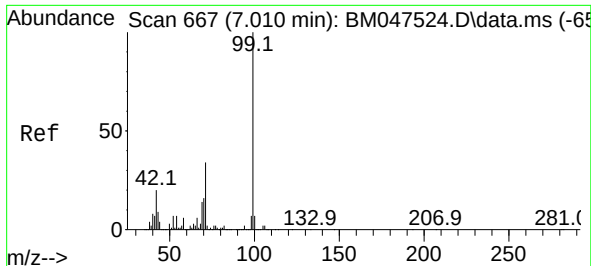
Tgt Ion:112 Resp: 3281586
Ion Ratio Lower Upper
112 100
64 58.4 48.2 72.4
63 32.0 26.0 39.0



#6
Aniline
Concen: 4.464 ng
RT: 7.169 min Scan# 694
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion: 93 Resp: 143732
Ion Ratio Lower Upper
93 100
66 41.4 31.4 47.0
65 20.2 16.3 24.5



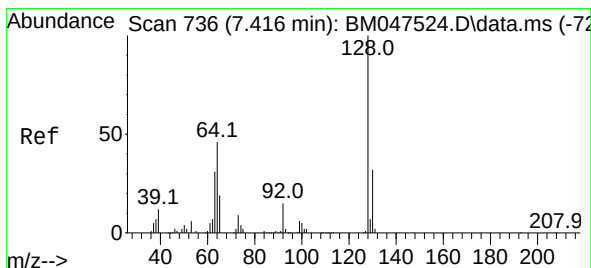
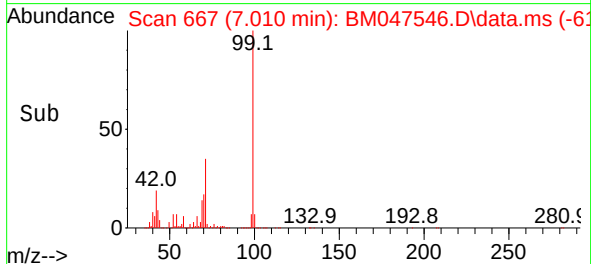
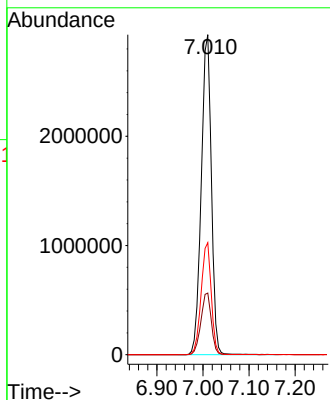
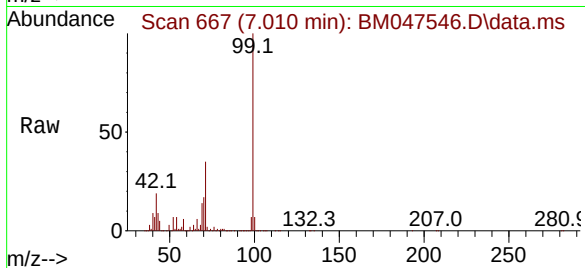


#7
Phenol-d6
Concen: 123.947 ng
RT: 7.010 min Scan# 667
Delta R.T. 0.000 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

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Tgt Ion: 99 Resp: 4501942

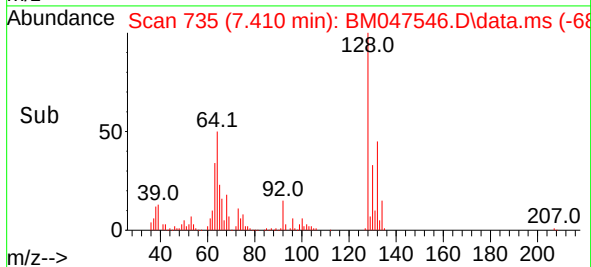
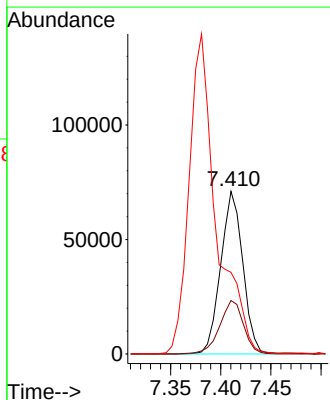
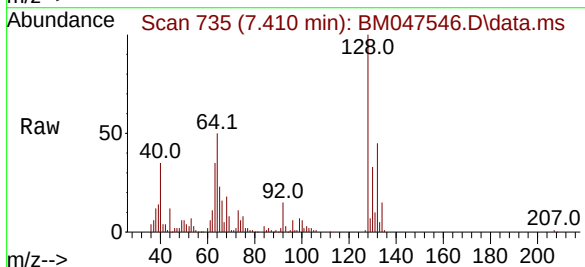
Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.8	23.8
71	35.0	27.6	41.4

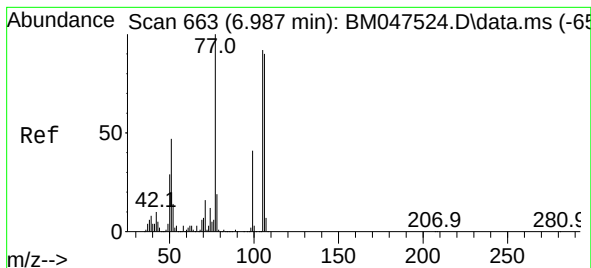


#8
2-Chlorophenol
Concen: 3.822 ng
RT: 7.410 min Scan# 735
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion: 128 Resp: 108677

Ion	Ratio	Lower	Upper
128	100		
130	32.9	11.8	51.8
64	50.2	27.6	67.6





#9

Benzaldehyde

Concen: 6.820 ng

RT: 6.981 min Scan# 6

Delta R.T. -0.006 min

Lab File: BM047546.D

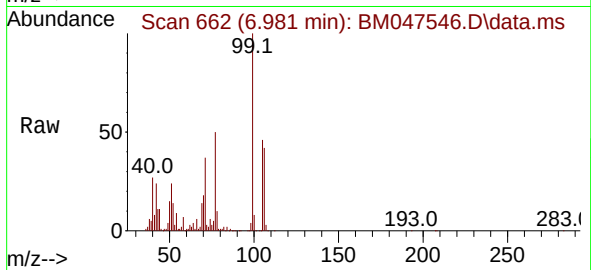
Acq: 17 Sep 2024 16:27

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BNA_M

ClientSampleId :

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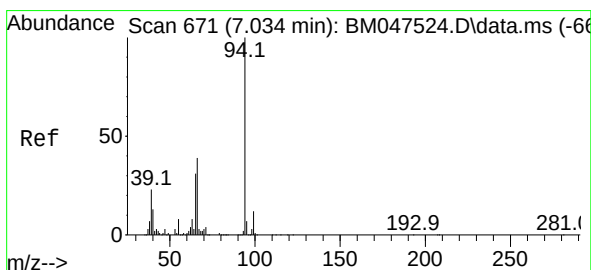
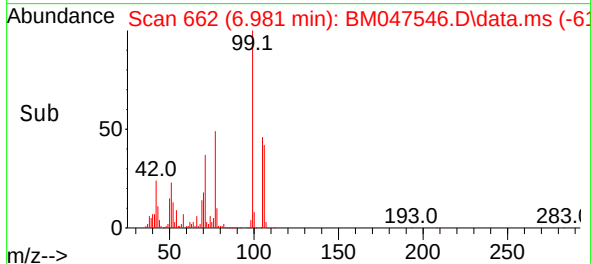
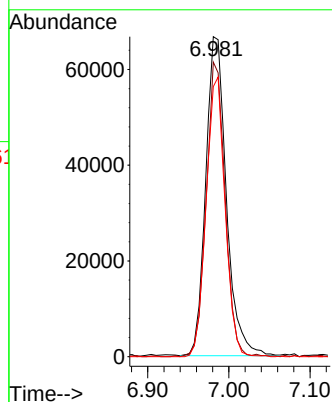
Tgt Ion: 77 Resp: 117795

Ion Ratio Lower Upper

77 100

105 92.0 71.8 111.8

106 84.4 69.7 109.7



#10

Phenol

Concen: 3.847 ng

RT: 7.034 min Scan# 671

Delta R.T. 0.000 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

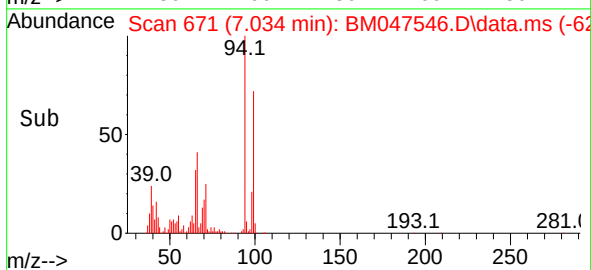
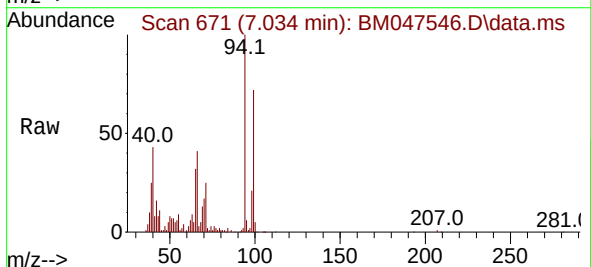
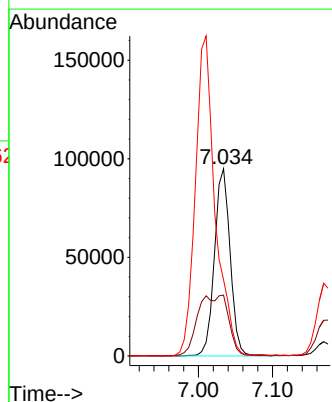
Tgt Ion: 94 Resp: 139900

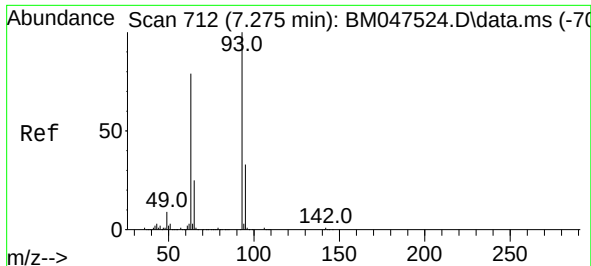
Ion Ratio Lower Upper

94 100

65 32.5 10.8 50.8

66 40.7 19.2 59.2





#11

bis(2-Chloroethyl)ether

Concen: 3.984 ng

RT: 7.269 min Scan# 711

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

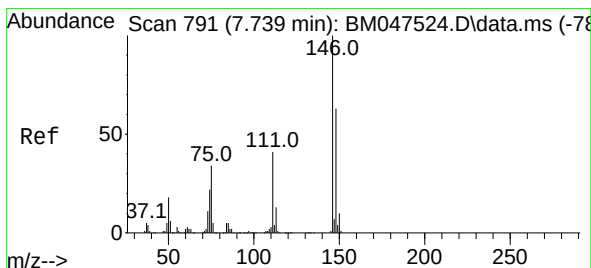
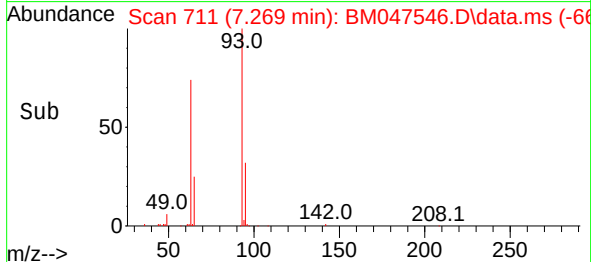
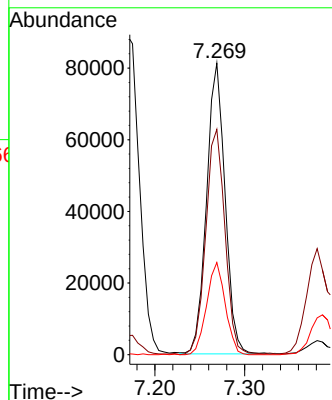
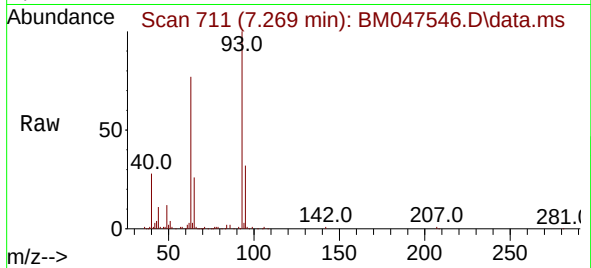
Tgt Ion: 93 Resp: 116331

Ion Ratio Lower Upper

93 100

63 77.3 58.2 98.2

95 31.6 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 3.760 ng

RT: 7.740 min Scan# 791

Delta R.T. 0.000 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

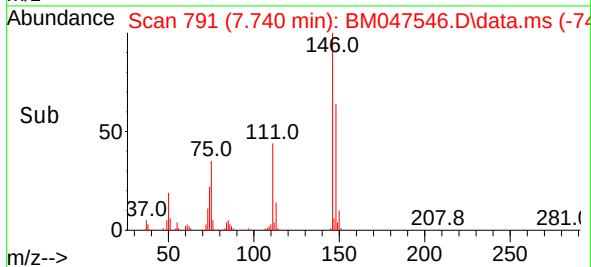
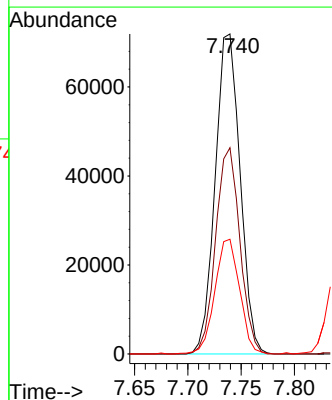
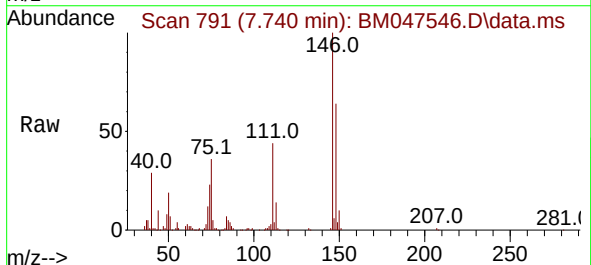
Tgt Ion:146 Resp: 117011

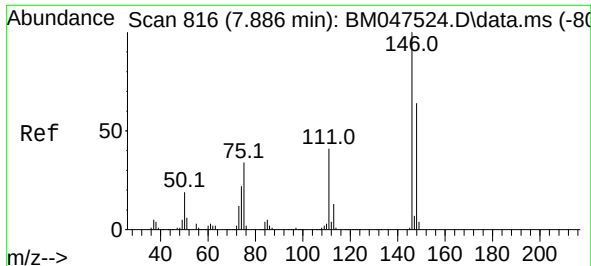
Ion Ratio Lower Upper

146 100

148 64.5 50.2 75.4

75 35.9 27.4 41.0

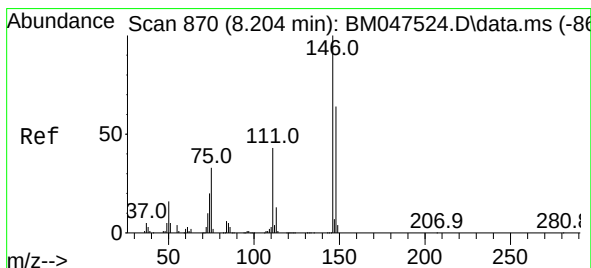
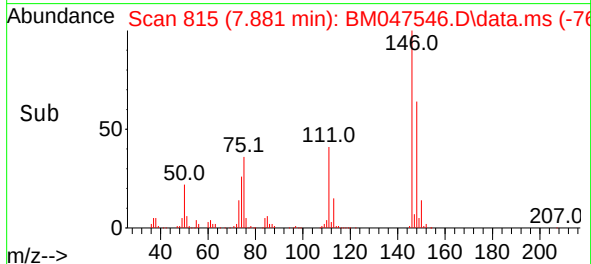
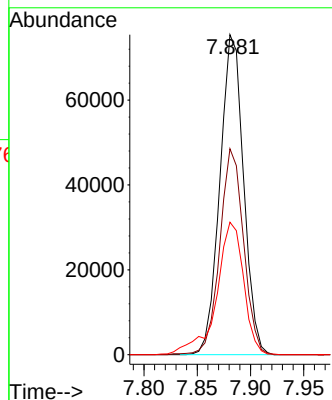
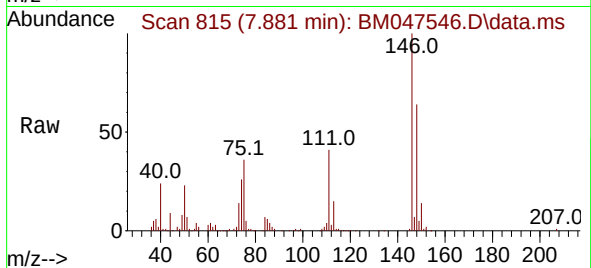




#13
1,4-Dichlorobenzene
Concen: 3.672 ng
RT: 7.881 min Scan# 816
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

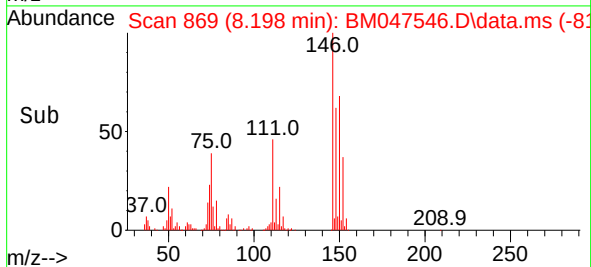
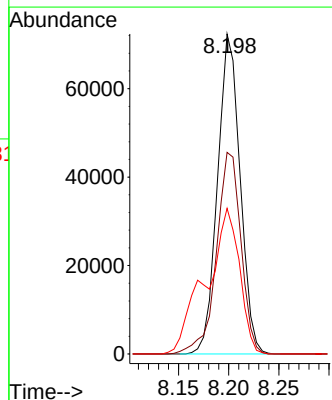
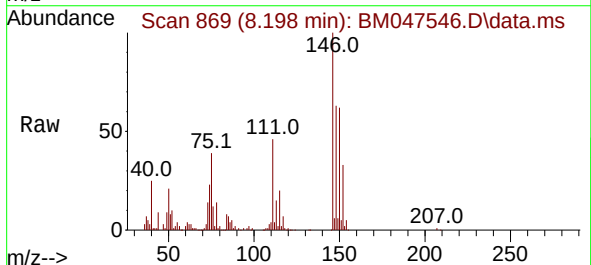
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

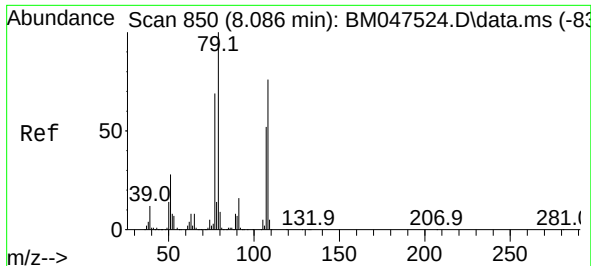
Tgt Ion:146 Resp: 116385
Ion Ratio Lower Upper
146 100
148 64.3 51.3 76.9
111 41.4 32.9 49.3



#14
1,2-Dichlorobenzene
Concen: 3.623 ng
RT: 8.198 min Scan# 869
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion:146 Resp: 113004
Ion Ratio Lower Upper
146 100
148 63.0 51.1 76.7
111 45.5 34.7 52.1

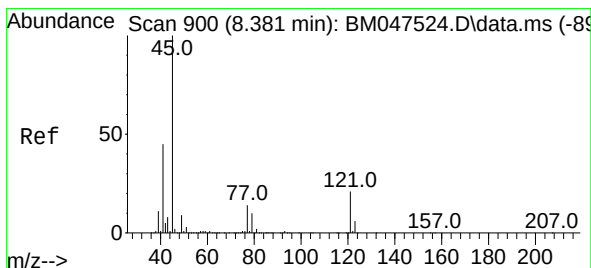
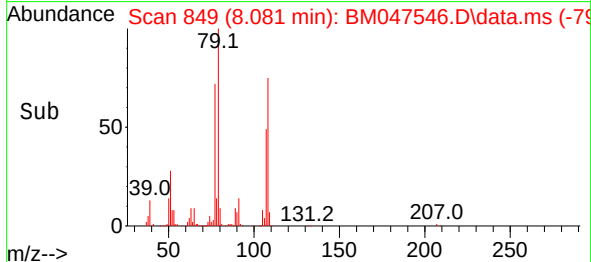
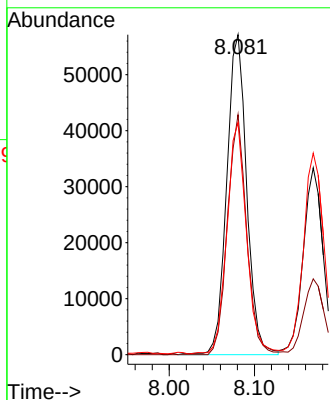
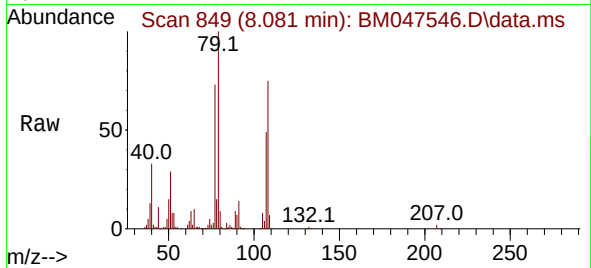




#15
Benzyl Alcohol
Concen: 3.782 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

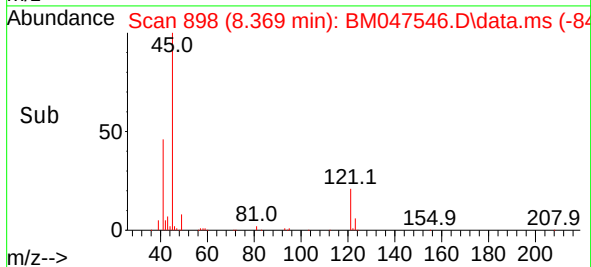
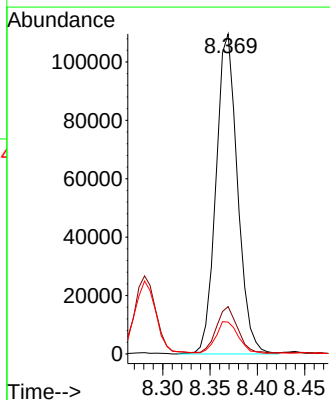
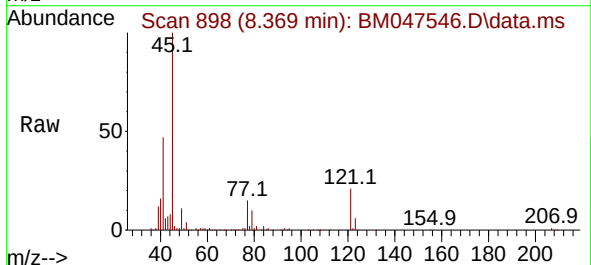
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

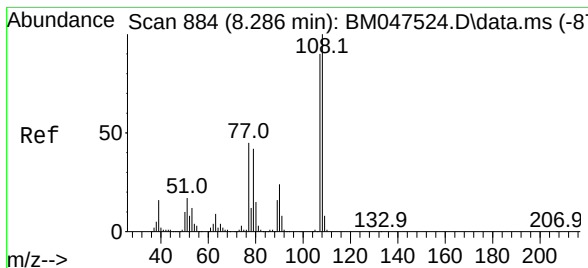
Tgt Ion: 79 Resp: 93053
Ion Ratio Lower Upper
79 100
108 75.0 60.6 91.0
77 72.5 55.0 82.4



#16
2,2'-oxybis(1-chloropropane)
Concen: 4.233 ng
RT: 8.369 min Scan# 898
Delta R.T. -0.012 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion: 45 Resp: 173838
Ion Ratio Lower Upper
45 100
77 14.8 0.0 33.7
79 10.0 0.0 30.3

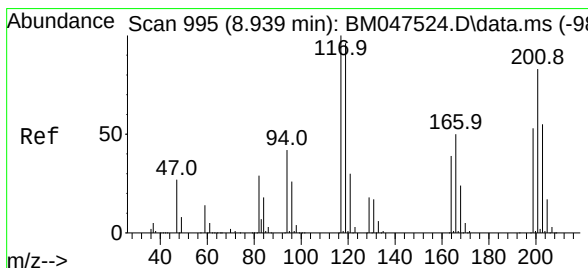
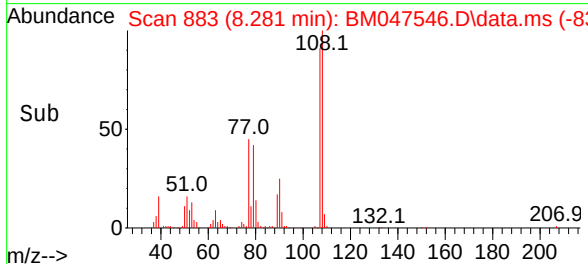
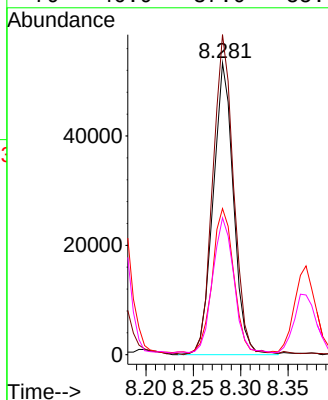
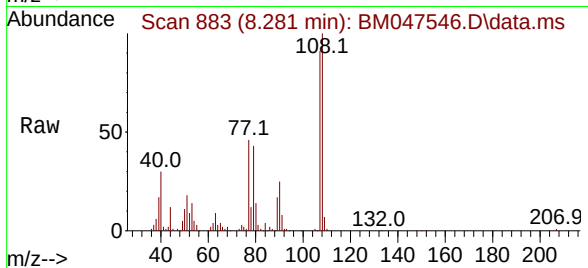




#17
2-Methylphenol
Concen: 3.445 ng
RT: 8.281 min Scan# 884
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

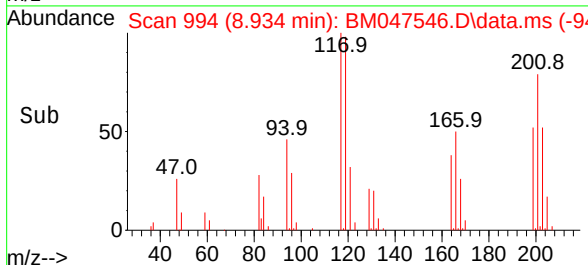
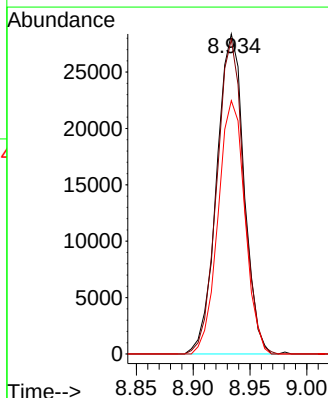
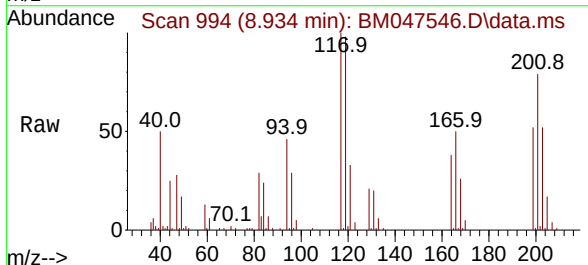
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

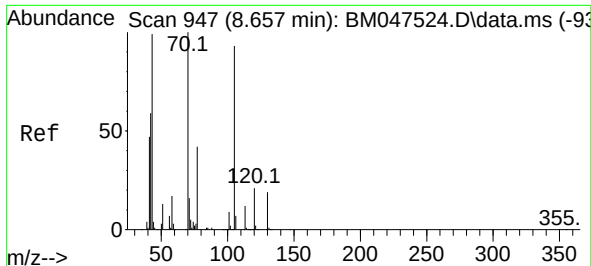
Tgt Ion:	107	Resp:	80032
Ion	Ratio	Lower	Upper
107	100		
108	109.7	88.9	133.3
77	50.1	39.8	59.8
79	46.9	37.0	55.6



#18
Hexachloroethane
Concen: 3.749 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion:	117	Resp:	47471
Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.0	115.4
201	79.2	66.8	100.2





#19

n-Nitroso-di-n-propylamine

Concen: 3.677 ng

RT: 8.651 min Scan# 947

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 70 Resp: 90039

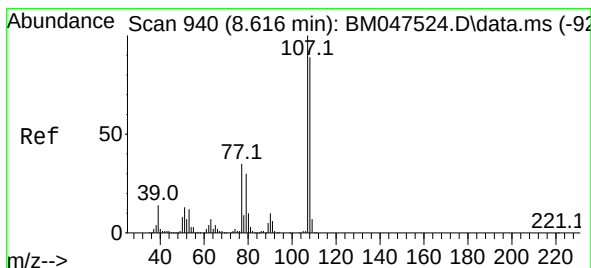
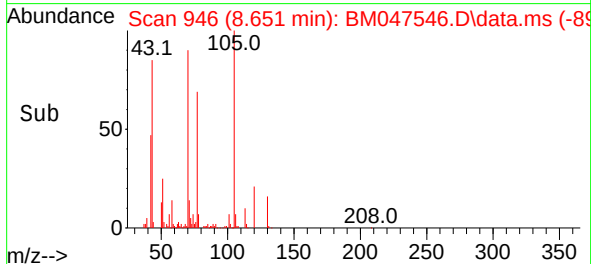
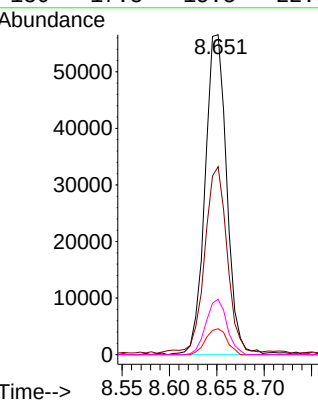
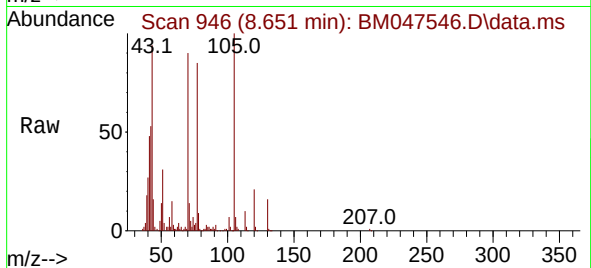
Ion Ratio Lower Upper

70 100

42 58.8 48.2 72.2

101 8.1 7.0 10.4

130 17.3 15.3 22.9



#20

3+4-Methylphenols

Concen: 3.281 ng

RT: 8.610 min Scan# 939

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Tgt Ion: 107 Resp: 106352

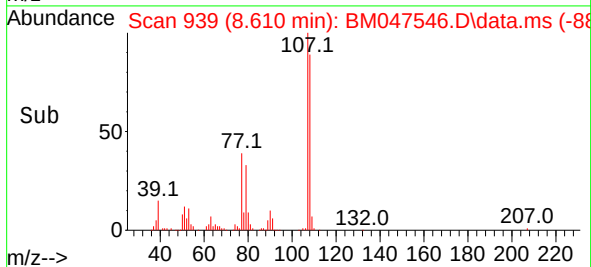
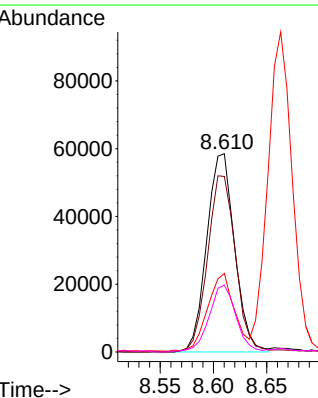
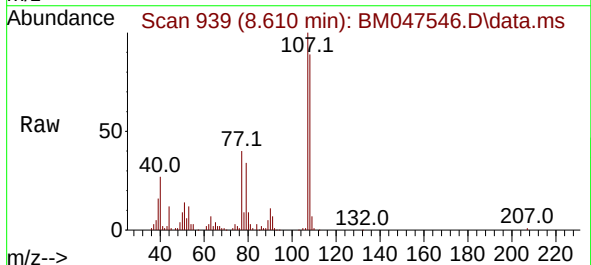
Ion Ratio Lower Upper

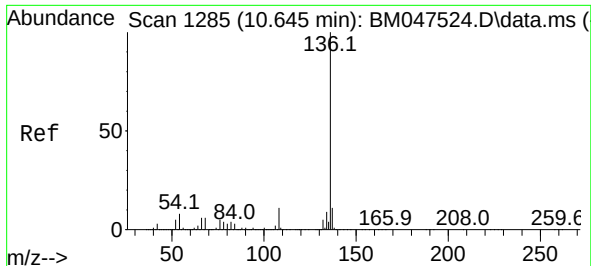
107 100

108 88.5 68.9 108.9

77 39.7 15.5 55.5

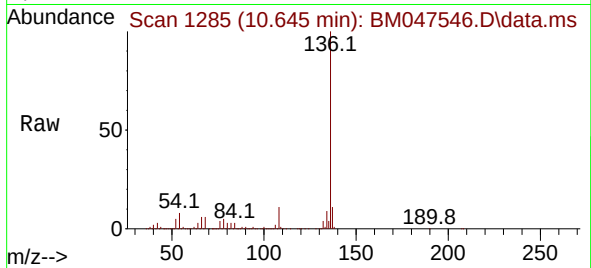
79 33.8 10.0 50.0



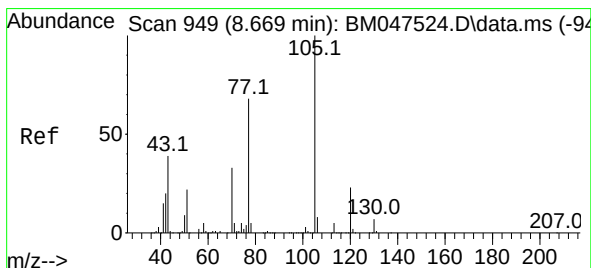
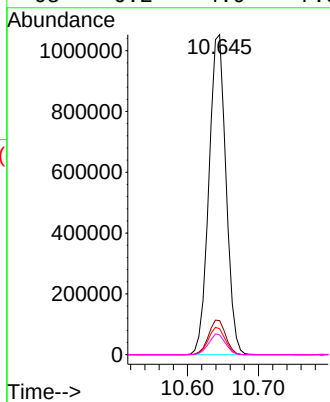
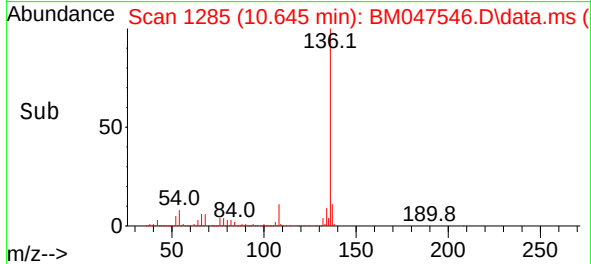


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

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

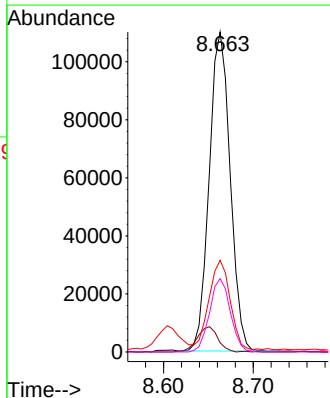
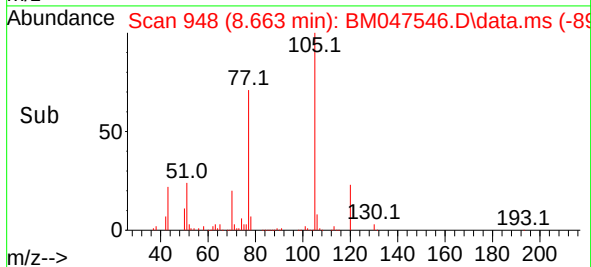
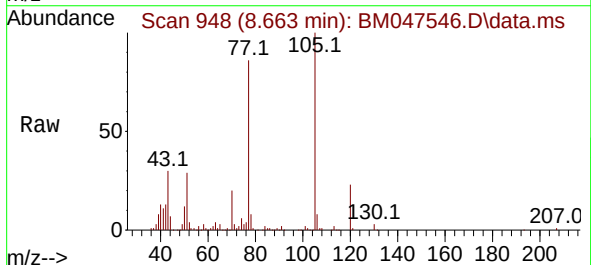


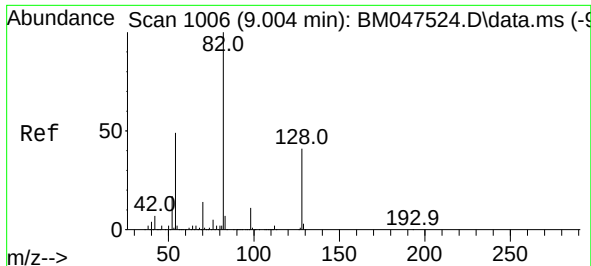
Tgt Ion:136 Resp: 1756932
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.6
54 8.1 6.6 9.8
68 6.2 4.9 7.3



#22
Acetophenone
Concen: 3.860 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion:105 Resp: 178293
Ion Ratio Lower Upper
105 100
71 2.9 4.3 6.5#
51 28.7 21.5 32.3
120 22.9 18.6 28.0





#23

Nitrobenzene-d5

Concen: 89.479 ng

RT: 8.998 min Scan# 1005

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

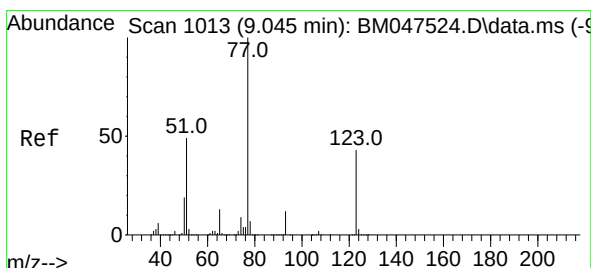
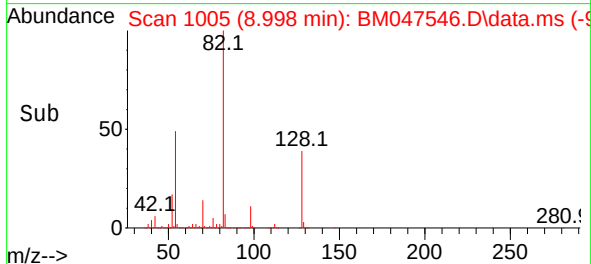
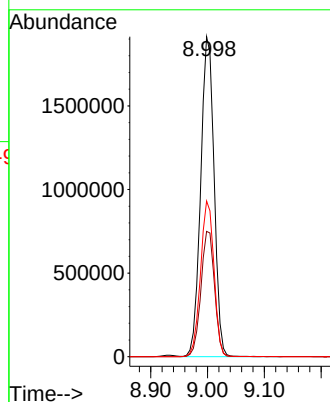
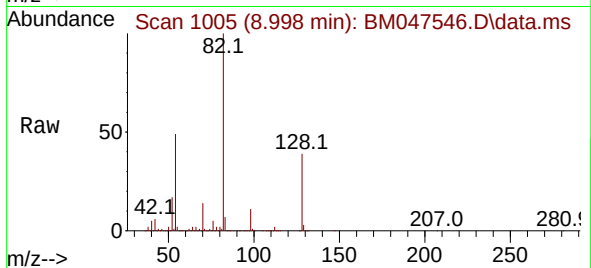
Tgt Ion: 82 Resp: 3141265

Ion Ratio Lower Upper

82 100

128 39.1 33.0 49.4

54 48.7 39.3 58.9



#24

Nitrobenzene

Concen: 4.129 ng

RT: 9.040 min Scan# 1012

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

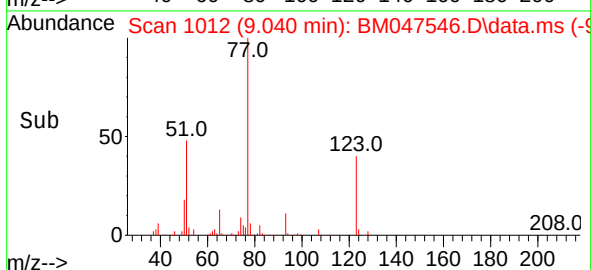
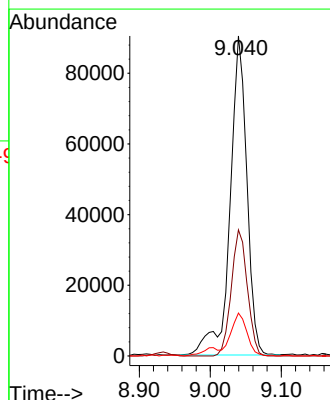
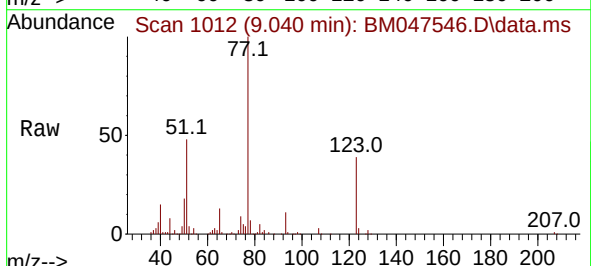
Tgt Ion: 77 Resp: 148948

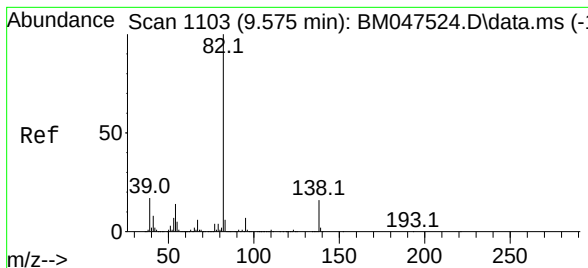
Ion Ratio Lower Upper

77 100

123 39.4 34.5 51.7

65 13.4 10.7 16.1





#25

Isophorone

Concen: 3.814 ng

RT: 9.569 min Scan# 1102

Delta R.T. -0.006 min

Lab File: BM047546.D

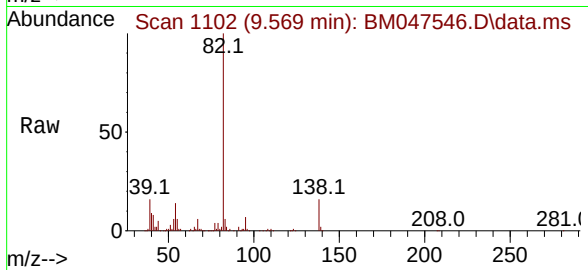
Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



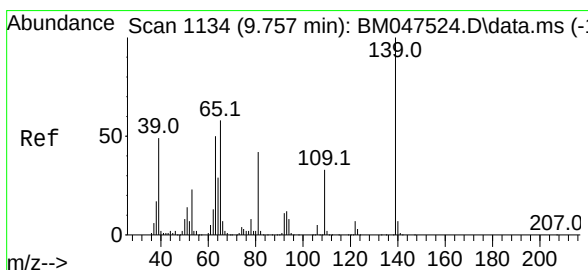
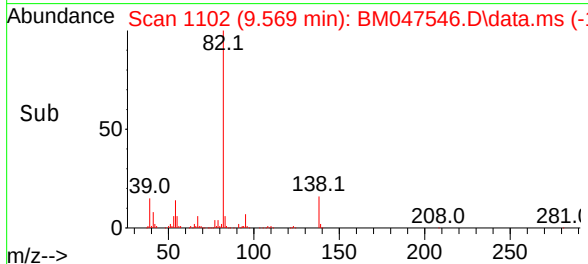
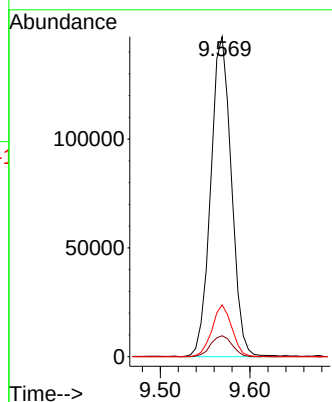
Tgt Ion: 82 Resp: 235386

Ion Ratio Lower Upper

82 100

95 6.6 5.4 8.0

138 16.2 12.9 19.3



#26

2-Nitrophenol

Concen: 2.921 ng

RT: 9.751 min Scan# 1133

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

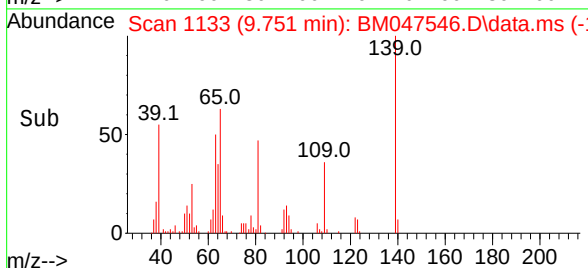
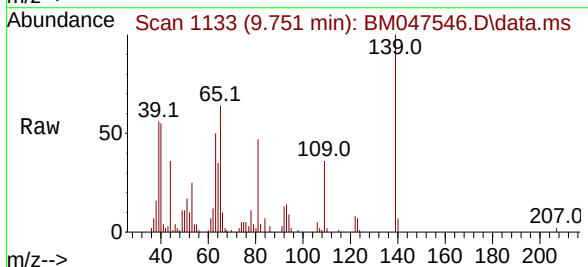
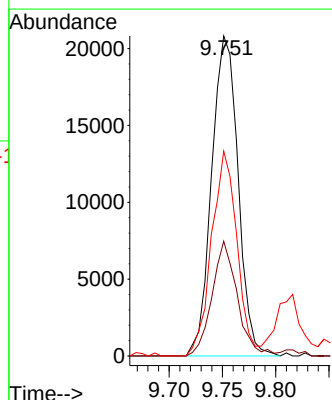
Tgt Ion:139 Resp: 35910

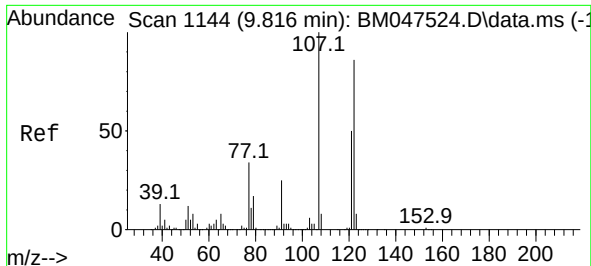
Ion Ratio Lower Upper

139 100

109 35.8 26.0 39.0

65 64.0 46.2 69.4

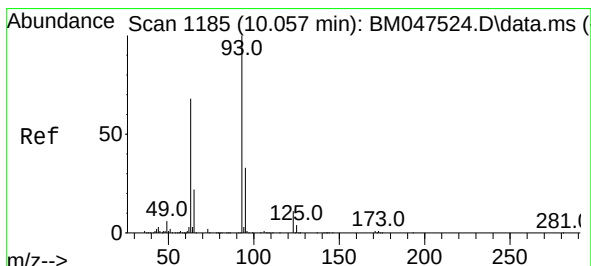
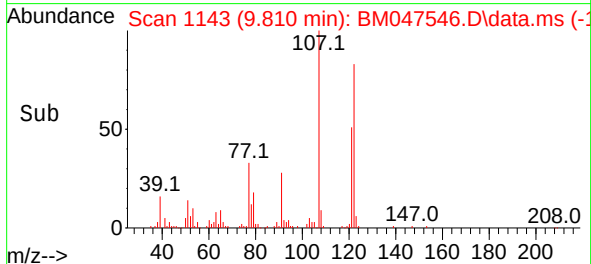
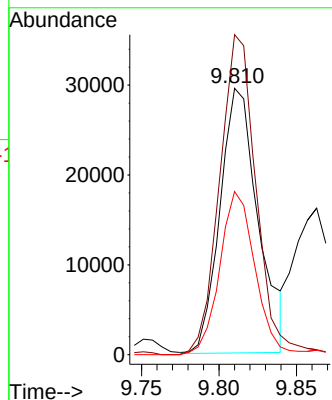
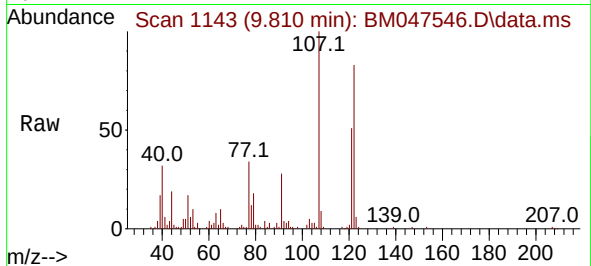




#27
2,4-Dimethylphenol
Concen: 2.713 ng
RT: 9.810 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

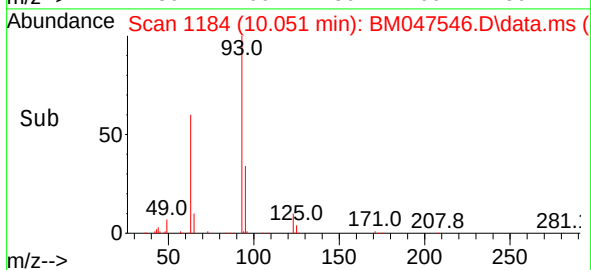
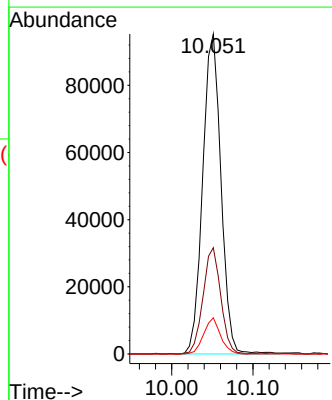
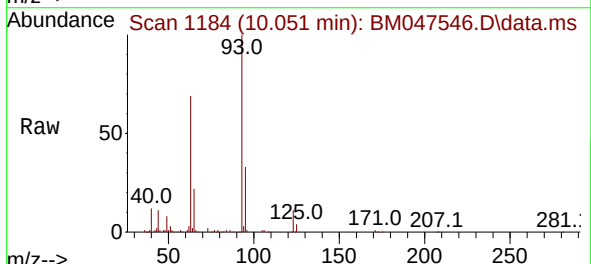
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

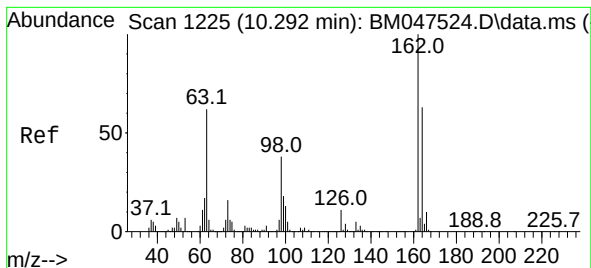
Tgt Ion:122 Resp: 50563
Ion Ratio Lower Upper
122 100
107 120.1 92.4 138.6
121 61.3 46.2 69.4



#28
bis(2-Chloroethoxy)methane
Concen: 3.842 ng
RT: 10.051 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion: 93 Resp: 148954
Ion Ratio Lower Upper
93 100
95 33.2 26.2 39.2
123 11.3 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 3.097 ng

RT: 10.286 min Scan# 1224

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

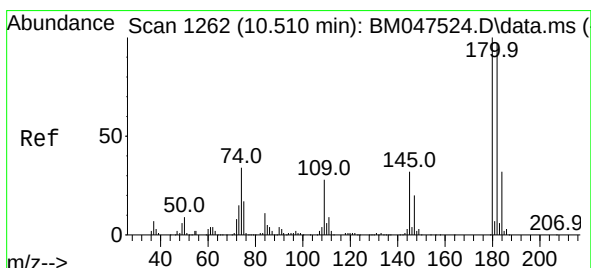
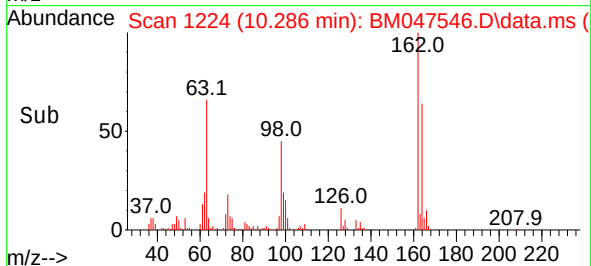
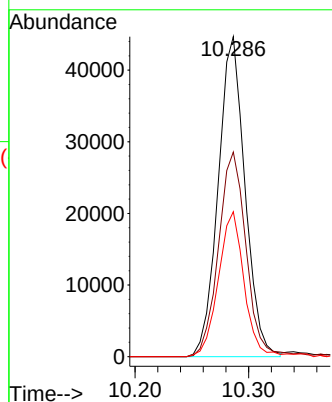
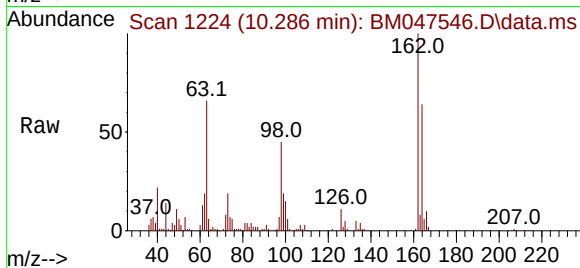
Tgt Ion:162 Resp: 73311

Ion Ratio Lower Upper

162 100

164 63.9 43.5 83.5

98 45.3 17.6 57.6



#30

1,2,4-Trichlorobenzene

Concen: 3.439 ng

RT: 10.504 min Scan# 1261

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

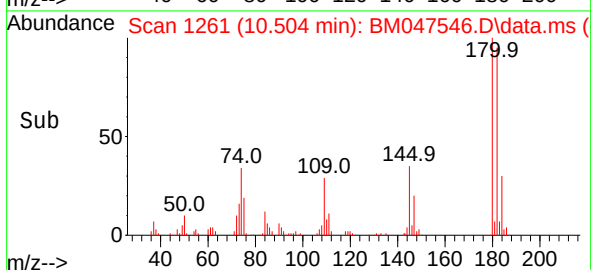
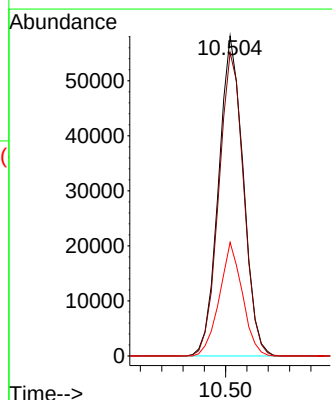
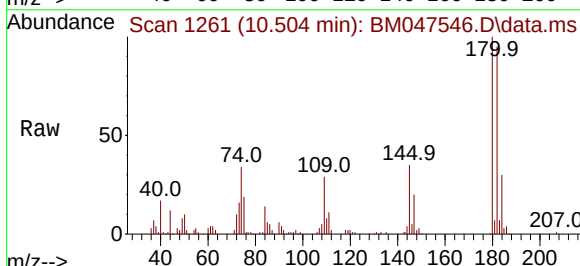
Tgt Ion:180 Resp: 93271

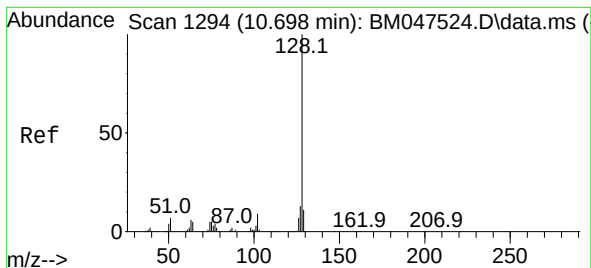
Ion Ratio Lower Upper

180 100

182 94.8 77.6 116.4

145 35.5 25.4 38.0





#31

Naphthalene

Concen: 3.576 ng

RT: 10.692 min Scan# 1152

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

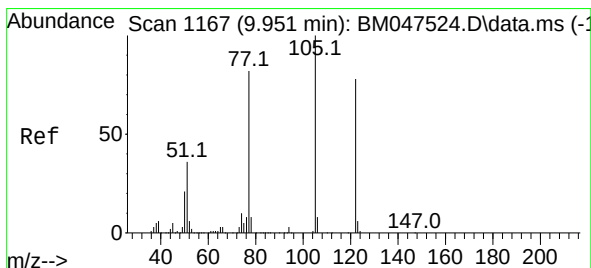
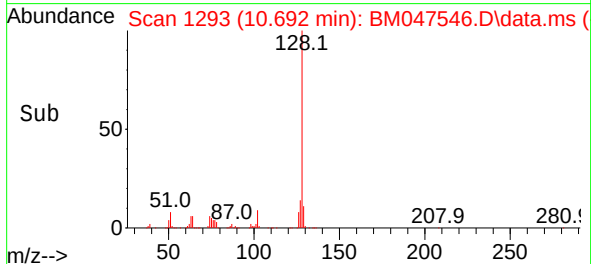
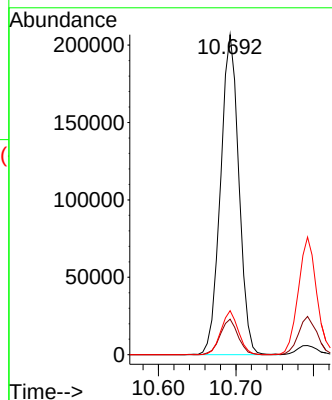
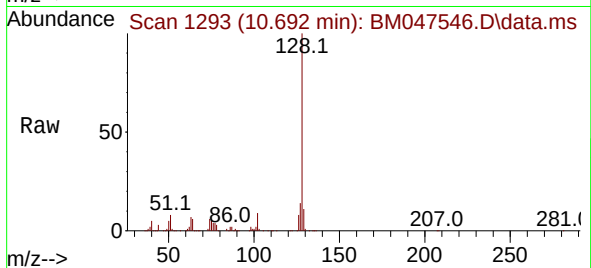
Tgt Ion:128 Resp: 339326

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

127 13.8 10.5 15.7



#32

Benzoic acid

Concen: 8.027 ng

RT: 9.863 min Scan# 1152

Delta R.T. -0.088 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

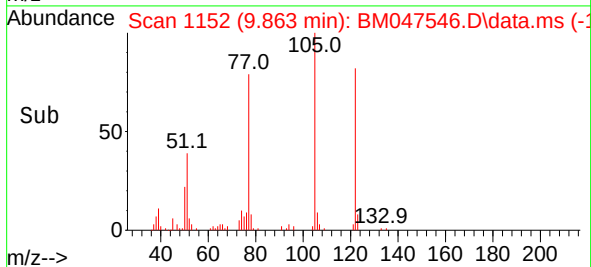
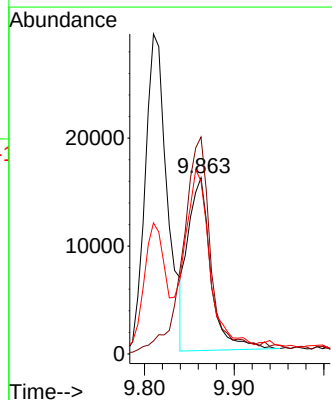
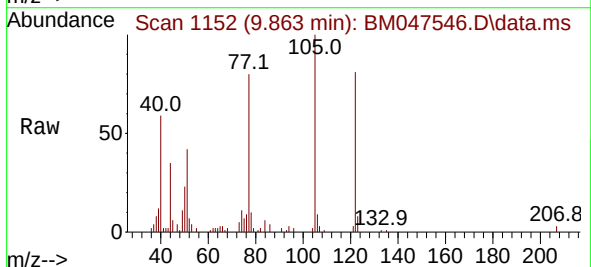
Tgt Ion:122 Resp: 28338

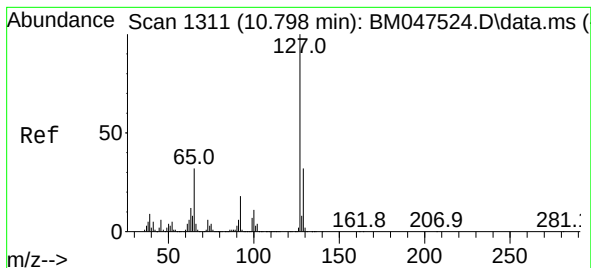
Ion Ratio Lower Upper

122 100

105 123.2 104.7 144.7

77 98.1 83.4 123.4





#33

4-Chloroaniline

Concen: 3.721 ng

RT: 10.792 min Scan# 1310

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:127 Resp: 127643

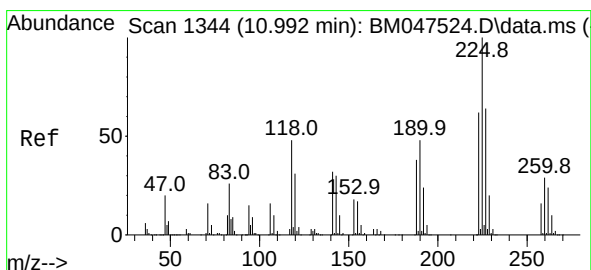
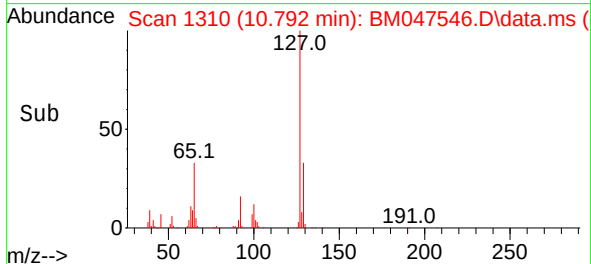
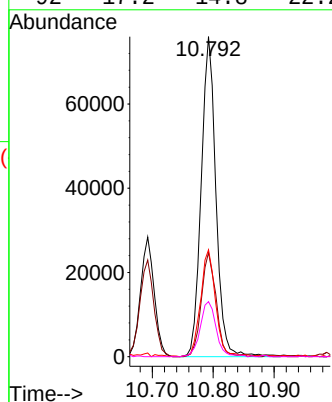
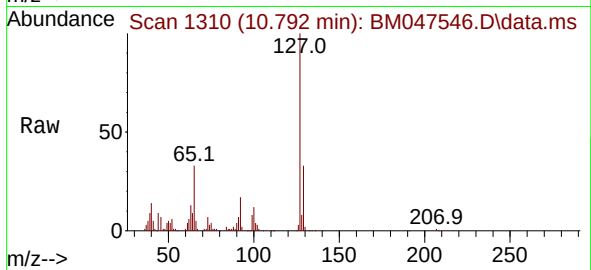
Ion Ratio Lower Upper

127 100

129 32.6 25.4 38.0

65 33.4 25.5 38.3

92 17.2 14.8 22.2



#34

Hexachlorobutadiene

Concen: 3.396 ng

RT: 10.986 min Scan# 1343

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

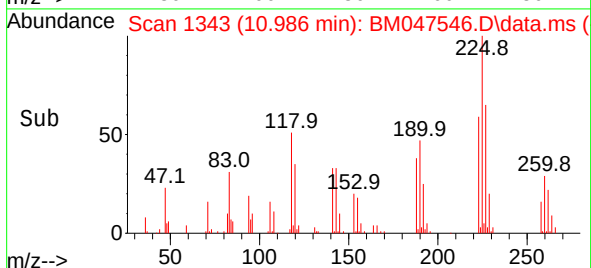
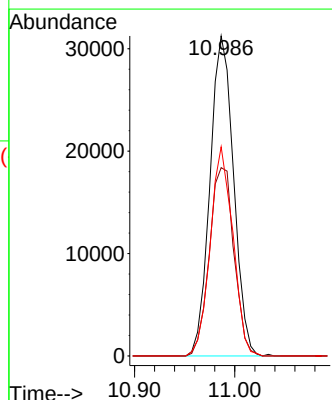
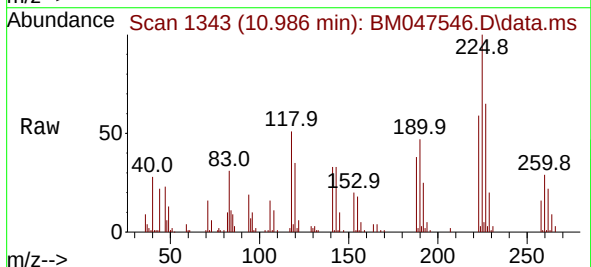
Tgt Ion:225 Resp: 51008

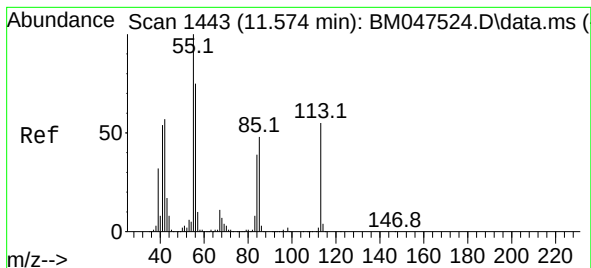
Ion Ratio Lower Upper

225 100

223 58.9 49.8 74.6

227 65.4 51.0 76.4

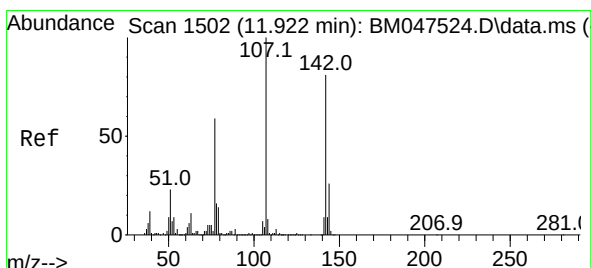
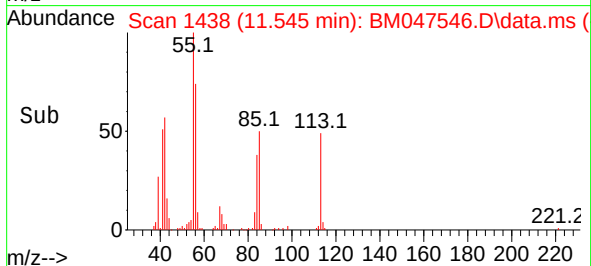
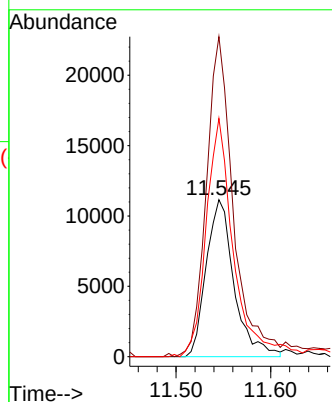
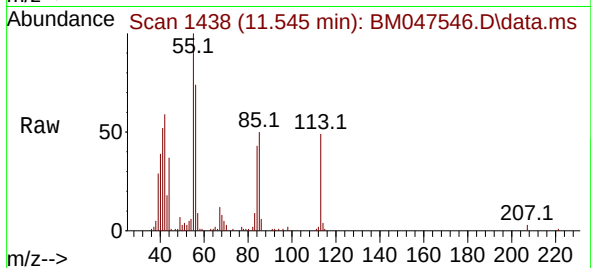




#35
Caprolactam
Concen: 2.931 ng
RT: 11.545 min Scan# 1443
Delta R.T. -0.029 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

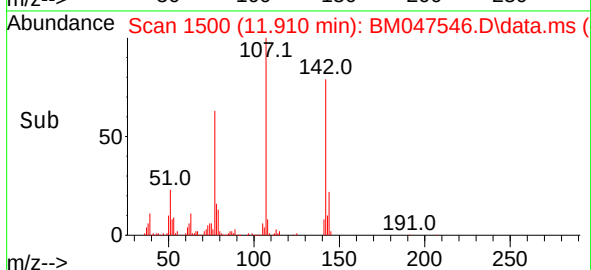
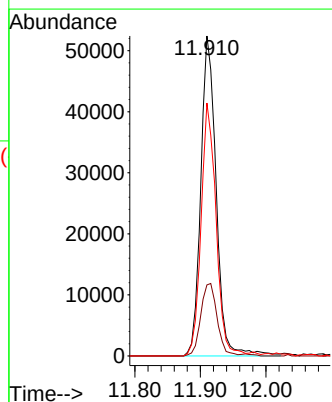
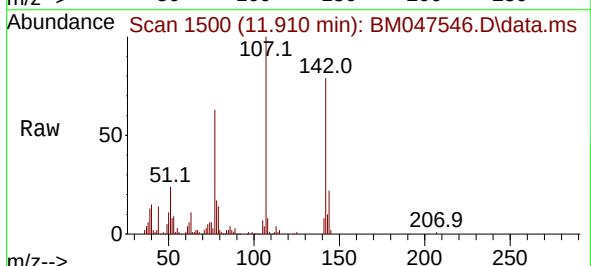
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

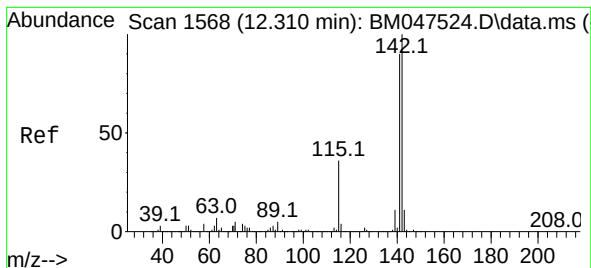
Tgt Ion:113 Resp: 22858
Ion Ratio Lower Upper
113 100
55 204.0 162.5 202.5#
56 151.8 116.5 156.5



#36
4-Chloro-3-methylphenol
Concen: 3.175 ng
RT: 11.910 min Scan# 1500
Delta R.T. -0.012 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion:107 Resp: 86129
Ion Ratio Lower Upper
107 100
144 22.2 20.5 30.7
142 79.0 65.0 97.4





#37

2-Methylnaphthalene

Concen: 3.397 ng

RT: 12.298 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

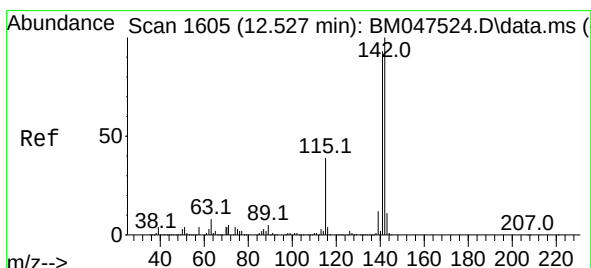
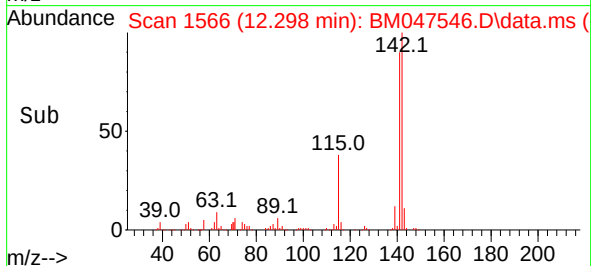
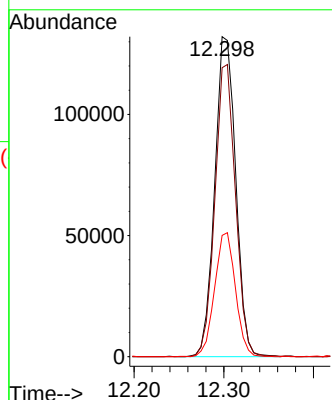
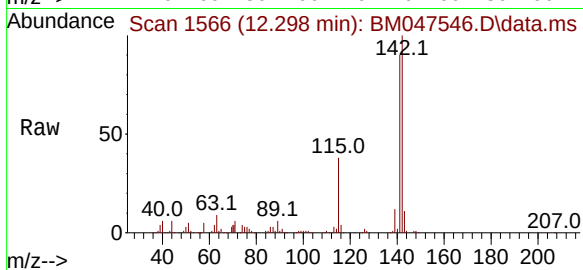
Tgt Ion:142 Resp: 214562

Ion Ratio Lower Upper

142 100

141 90.3 72.2 108.4

115 37.9 29.1 43.7



#38

1-Methylnaphthalene

Concen: 3.165 ng

RT: 12.522 min Scan# 1604

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

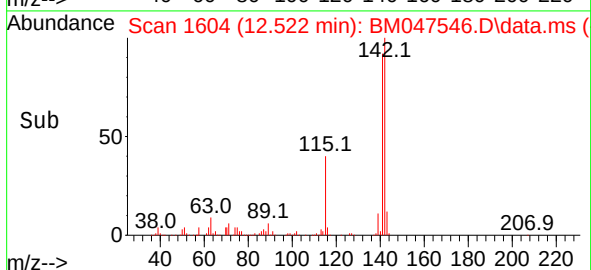
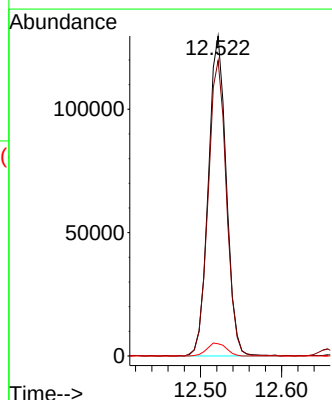
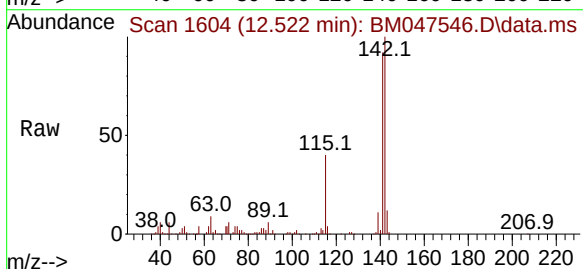
Tgt Ion:142 Resp: 198643

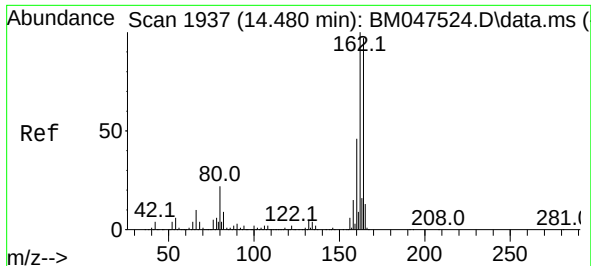
Ion Ratio Lower Upper

142 100

141 92.4 74.7 112.1

116 3.8 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.474 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

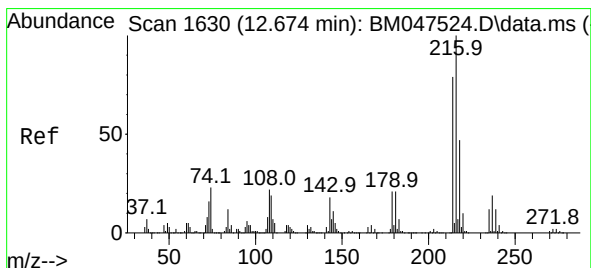
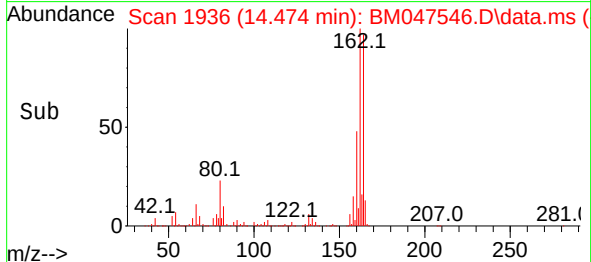
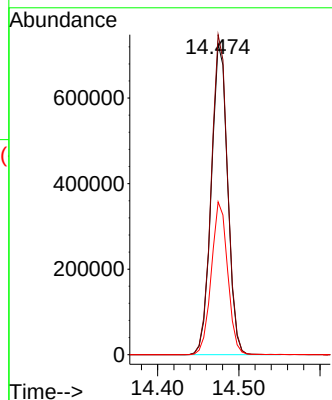
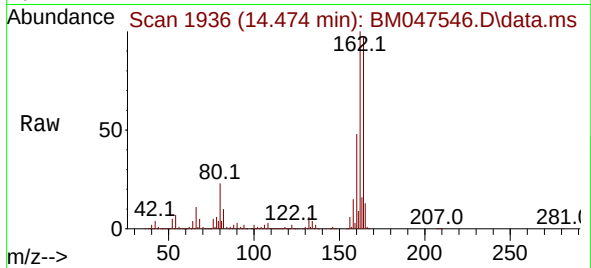
Tgt Ion:164 Resp: 1013774

Ion Ratio Lower Upper

164 100

162 102.9 82.2 123.2

160 49.1 38.2 57.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.346 ng

RT: 12.669 min Scan# 1629

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Tgt Ion:216 Resp: 91784

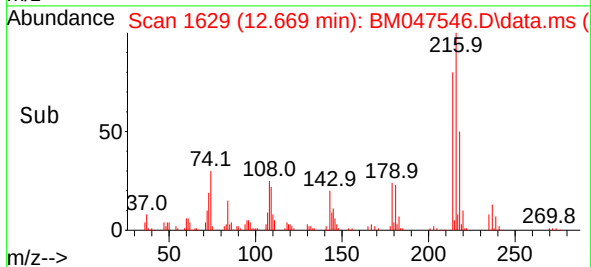
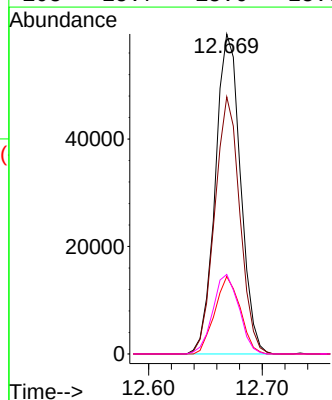
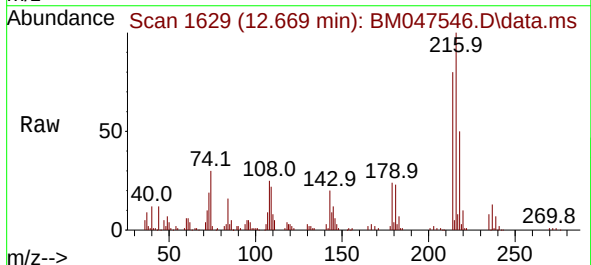
Ion Ratio Lower Upper

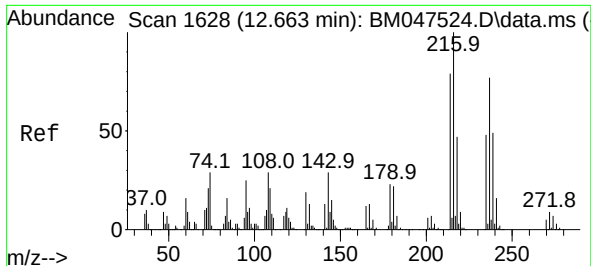
216 100

214 80.0 63.0 94.6

179 24.4 17.5 26.3

108 25.7 18.6 28.0

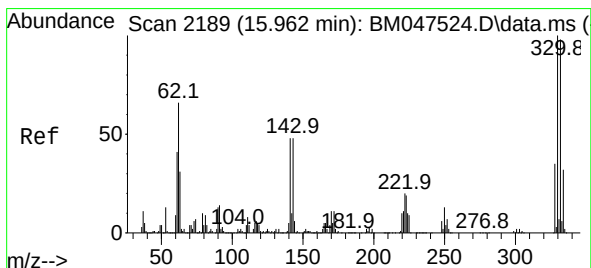
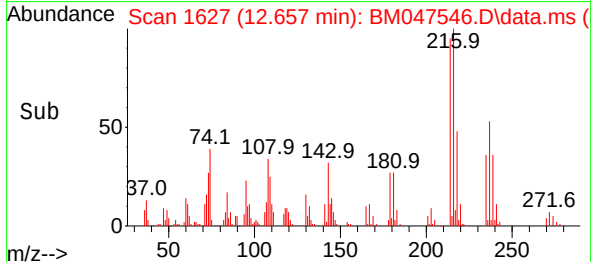
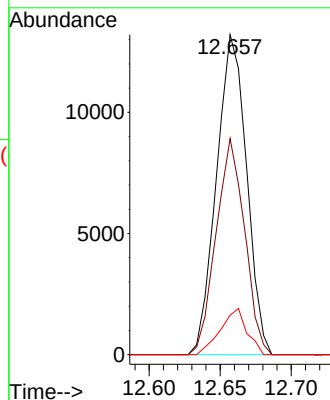
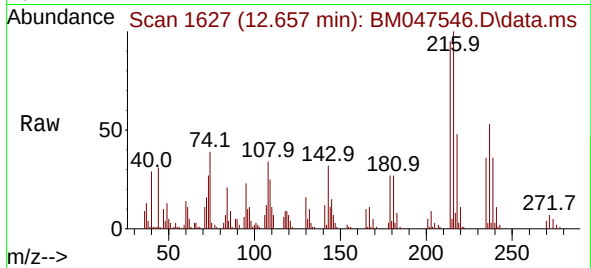




#41
Hexachlorocyclopentadiene
Concen: 2.171 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

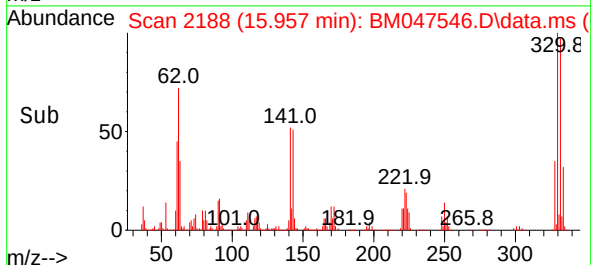
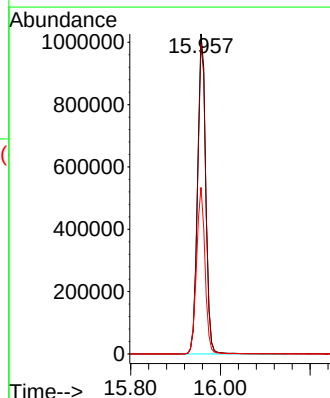
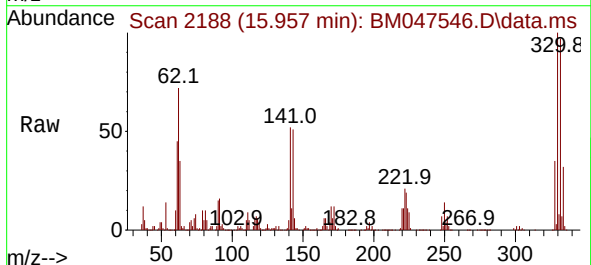
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

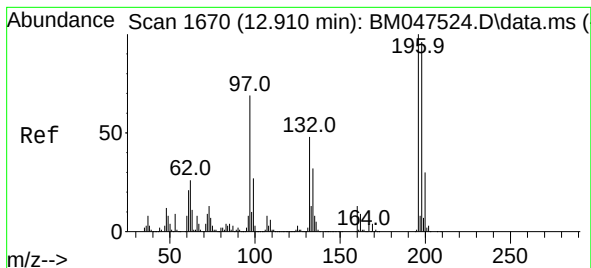
Tgt Ion:	237	Resp:	19465
Ion Ratio	Lower	Upper	
237	100		
235	67.6	42.0	82.0
272	12.3	0.0	31.5



#42
2,4,6-Tribromophenol
Concen: 133.334 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion:	330	Resp:	1306540
Ion Ratio	Lower	Upper	
330	100		
332	96.8	76.9	115.3
141	53.7	42.2	63.2





#43

2,4,6-Trichlorophenol

Concen: 2.897 ng

RT: 12.904 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

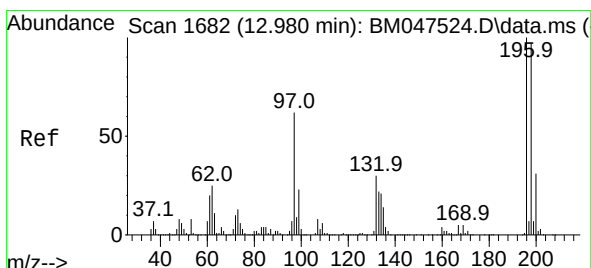
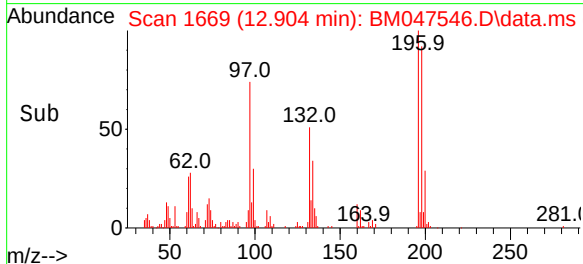
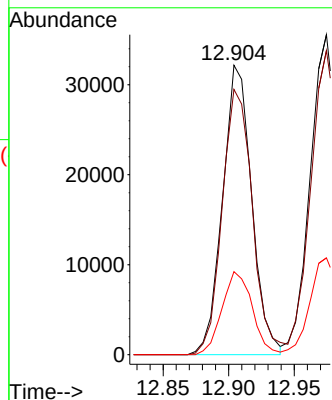
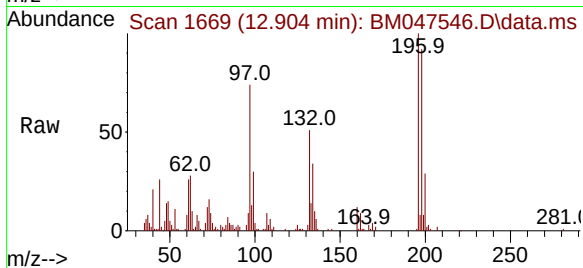
Tgt Ion:196 Resp: 49796

Ion Ratio Lower Upper

196 100

198 91.7 76.9 115.3

200 28.7 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 2.907 ng

RT: 12.975 min Scan# 1681

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Tgt Ion:196 Resp: 56433

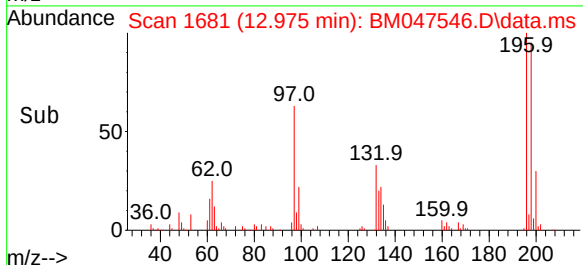
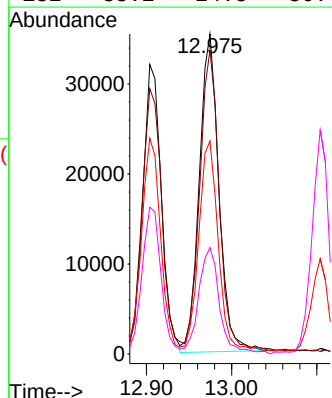
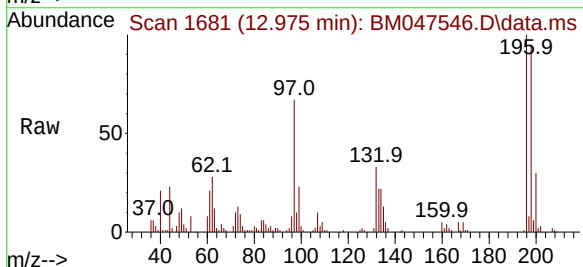
Ion Ratio Lower Upper

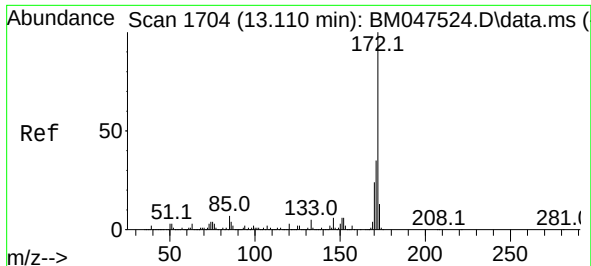
196 100

198 95.0 77.4 116.2

97 66.5 49.8 74.8

132 33.2 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 87.929 ng

RT: 13.104 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

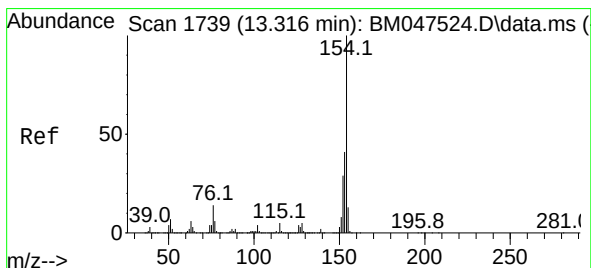
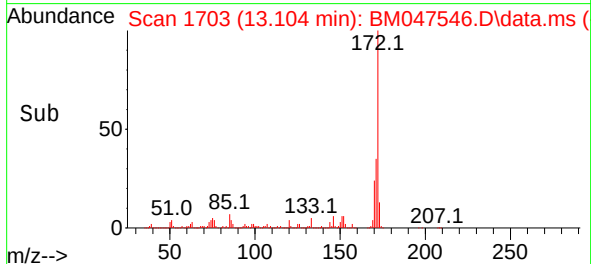
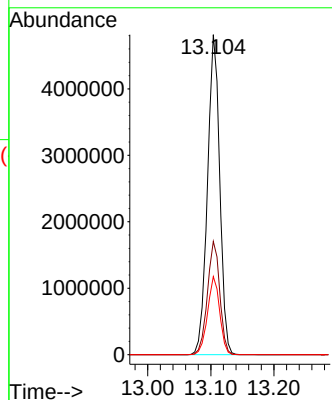
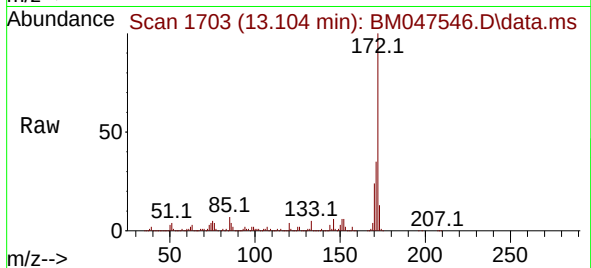
Tgt Ion:172 Resp: 6471081

Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.2

170 24.4 19.4 29.0



#46

1,1'-Biphenyl

Concen: 3.707 ng

RT: 13.310 min Scan# 1738

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

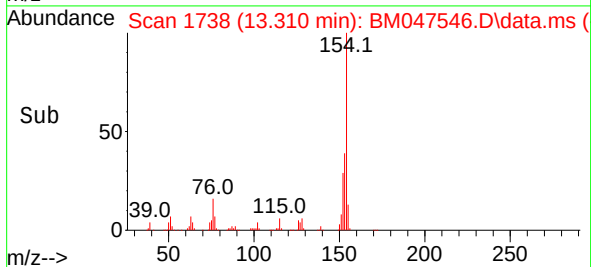
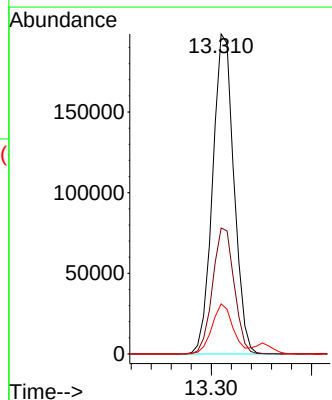
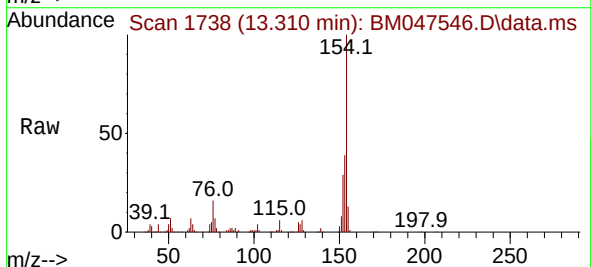
Tgt Ion:154 Resp: 292415

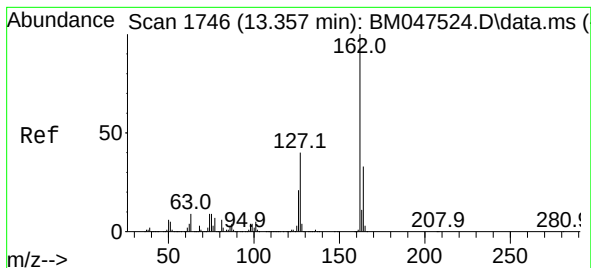
Ion Ratio Lower Upper

154 100

153 39.3 20.6 60.6

76 15.6 0.0 33.9

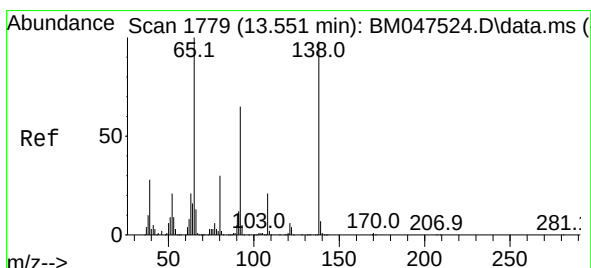
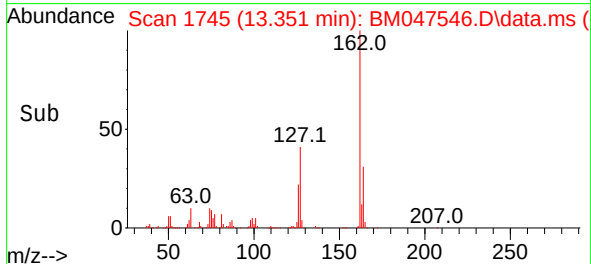
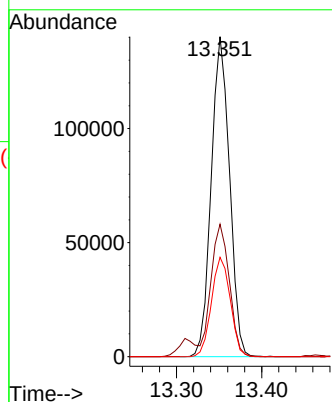
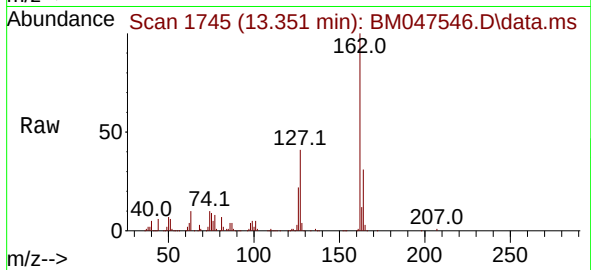




#47
2-Chloronaphthalene
Concen: 3.417 ng
RT: 13.351 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

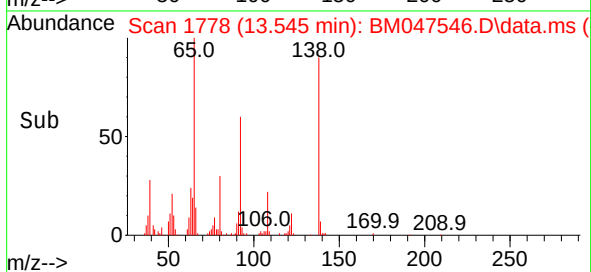
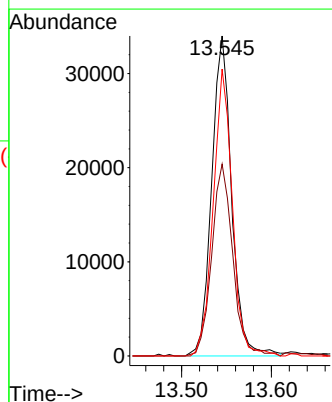
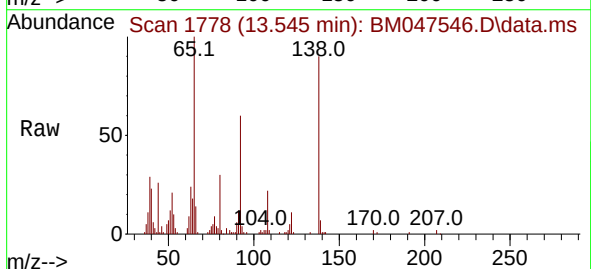
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

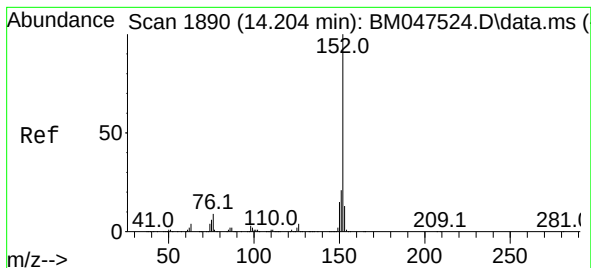
Tgt Ion:162 Resp: 209273
Ion Ratio Lower Upper
162 100
127 41.4 32.2 48.4
164 31.0 26.3 39.5



#48
2-Nitroaniline
Concen: 2.916 ng
RT: 13.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion: 65 Resp: 52452
Ion Ratio Lower Upper
65 100
92 59.9 51.9 77.9
138 89.7 78.5 117.7





#49

Acenaphthylene

Concen: 3.640 ng

RT: 14.198 min Scan# 1889

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

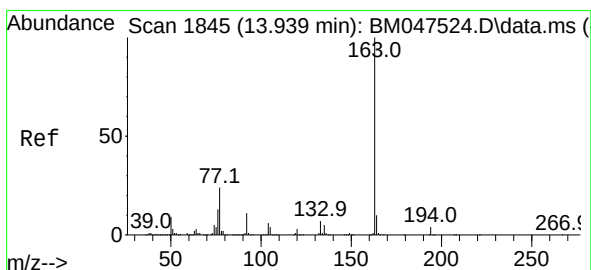
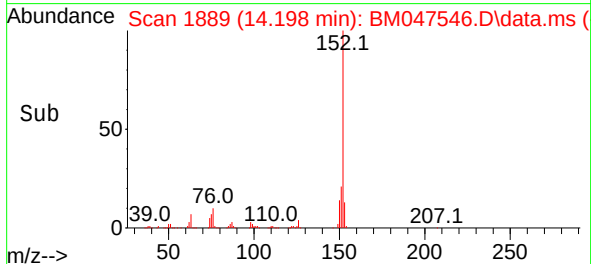
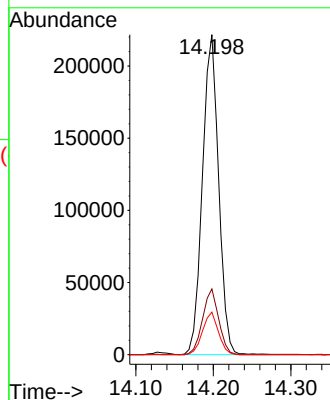
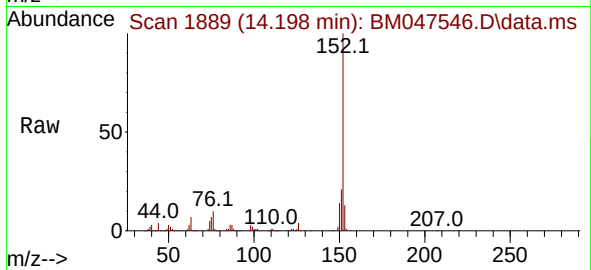
Tgt Ion:152 Resp: 321693

Ion Ratio Lower Upper

152 100

151 20.6 16.5 24.7

153 13.3 10.4 15.6



#50

Dimethylphthalate

Concen: 3.502 ng

RT: 13.927 min Scan# 1843

Delta R.T. -0.012 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

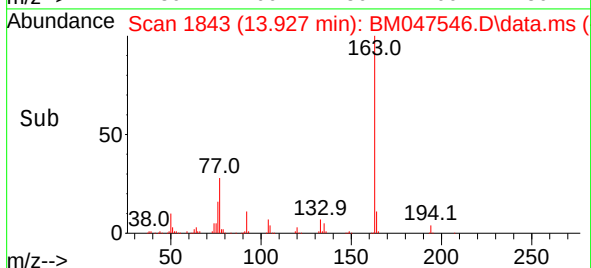
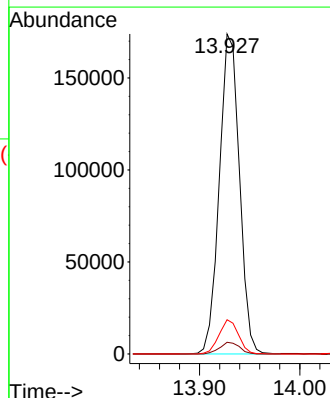
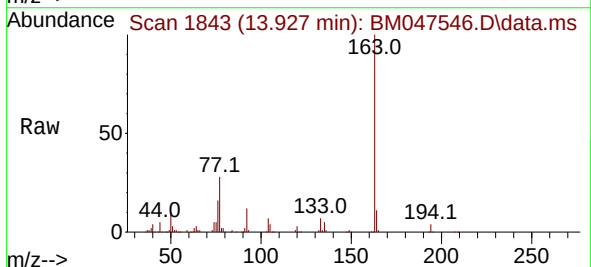
Tgt Ion:163 Resp: 242010

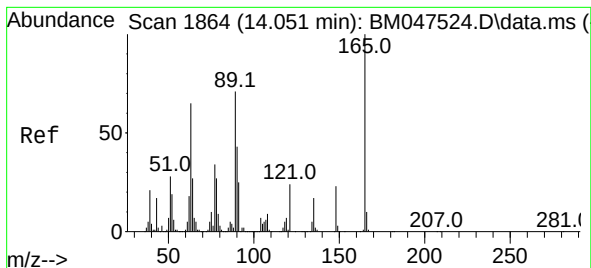
Ion Ratio Lower Upper

163 100

194 3.7 2.9 4.3

164 10.7 7.9 11.9

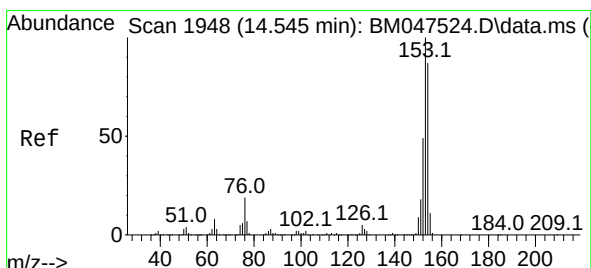
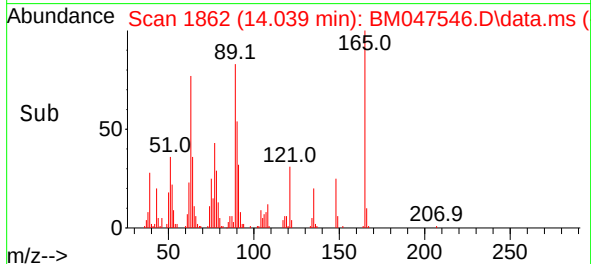
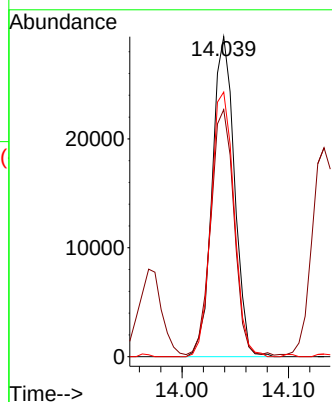
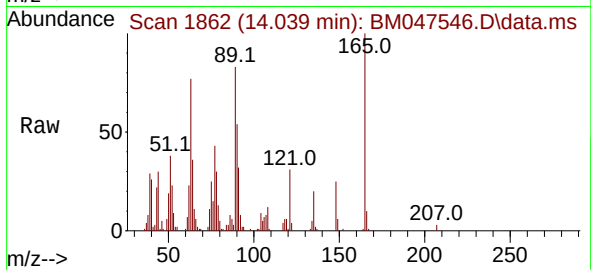




#51
2,6-Dinitrotoluene
Concen: 2.914 ng
RT: 14.039 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

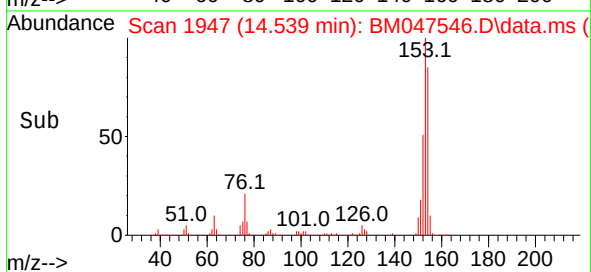
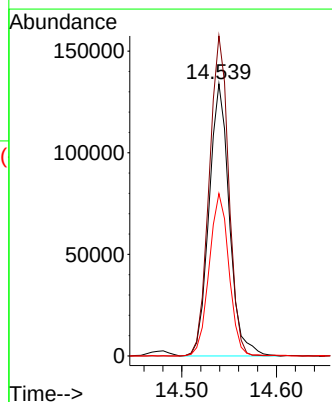
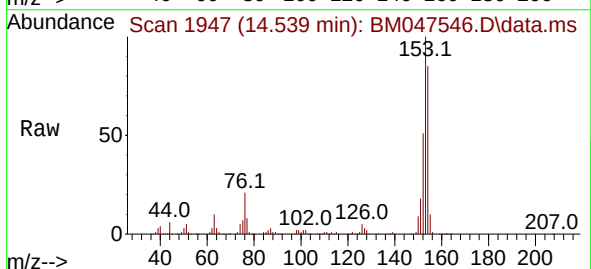
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

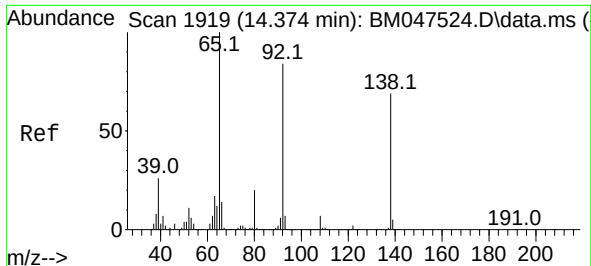
Tgt Ion:165 Resp: 42510
Ion Ratio Lower Upper
165 100
63 77.2 54.2 81.2
89 82.7 56.4 84.6



#52
Acenaphthene
Concen: 3.217 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion:154 Resp: 199245
Ion Ratio Lower Upper
154 100
153 117.6 92.2 138.2
152 59.7 45.4 68.0

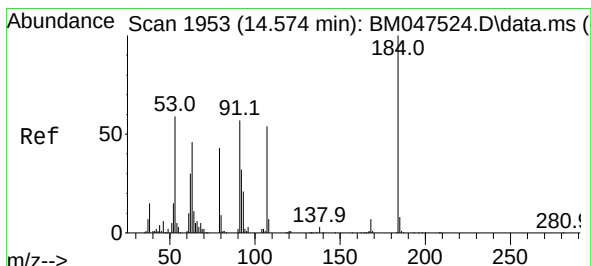
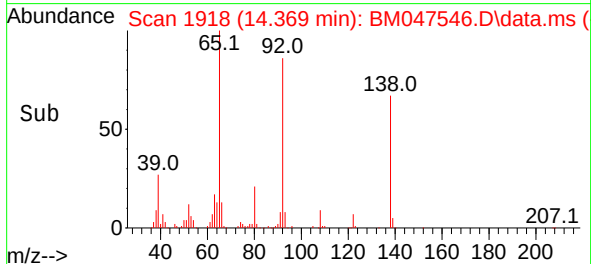
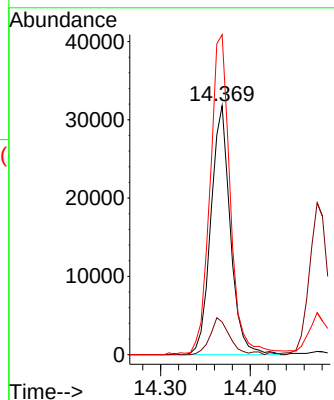
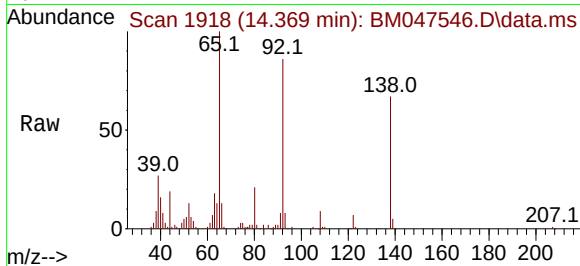




#53
3-Nitroaniline
Concen: 2.953 ng
RT: 14.369 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

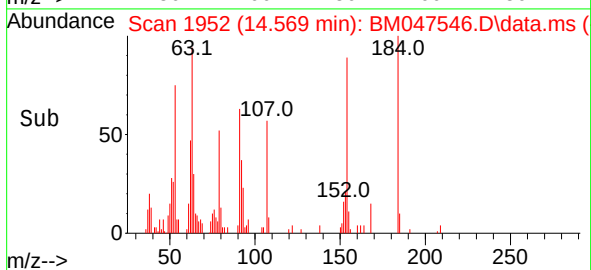
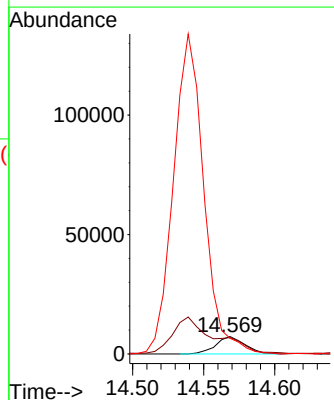
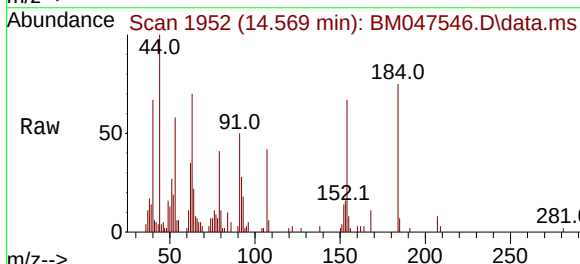
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

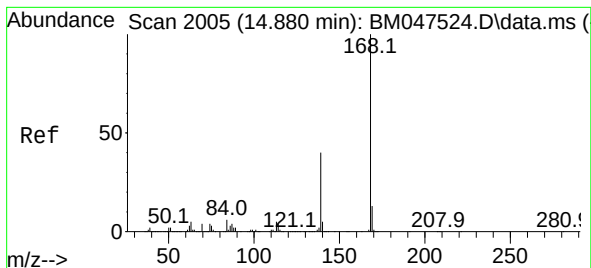
Tgt Ion:138 Resp: 47884
Ion Ratio Lower Upper
138 100
108 13.1 8.0 12.0#
92 128.5 97.4 146.0



#54
2,4-Dinitrophenol
Concen: 4.500 ng
RT: 14.569 min Scan# 1952
Delta R.T. -0.005 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion:184 Resp: 10333
Ion Ratio Lower Upper
184 100
63 93.6 69.4 104.0
154 89.3 60.4 90.6





#55

Dibenzofuran

Concen: 3.493 ng

RT: 14.874 min Scan# 2005

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

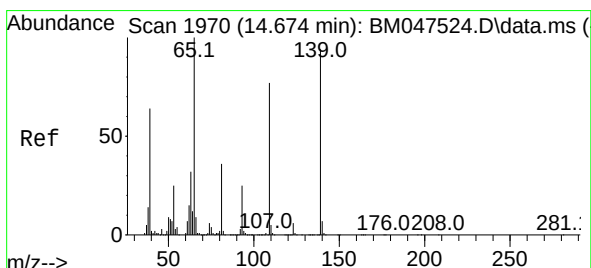
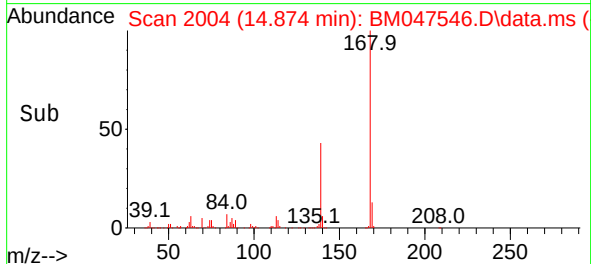
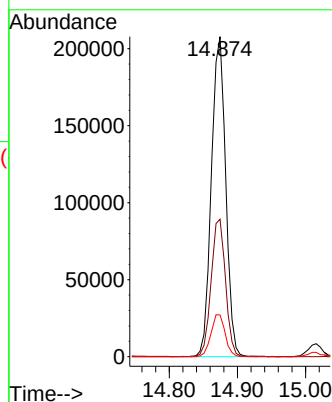
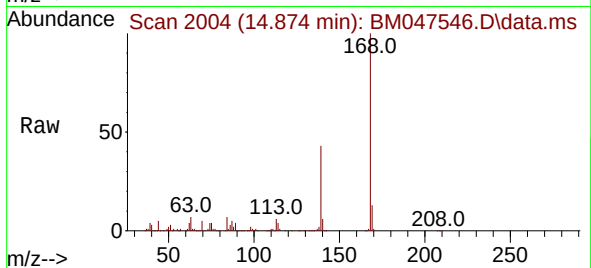
Tgt Ion:168 Resp: 303948

Ion Ratio Lower Upper

168 100

139 43.0 31.9 47.9

169 13.0 10.5 15.7



#56

4-Nitrophenol

Concen: 2.584 ng

RT: 14.669 min Scan# 1969

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

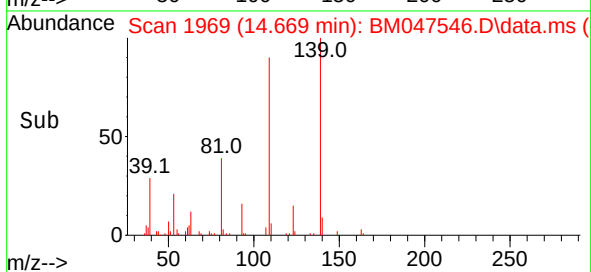
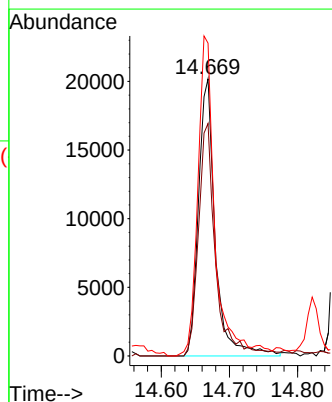
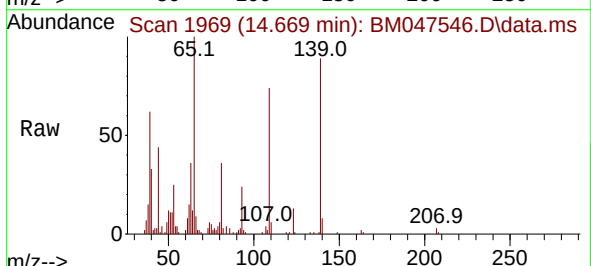
Tgt Ion:139 Resp: 34474

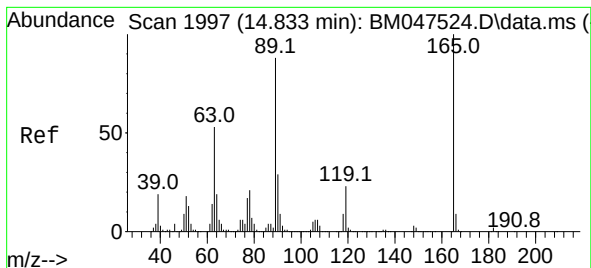
Ion Ratio Lower Upper

139 100

109 83.9 62.0 102.0

65 112.9 87.0 127.0

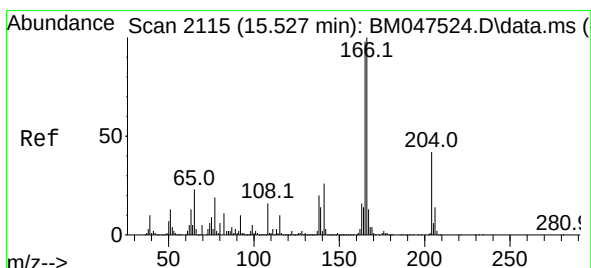
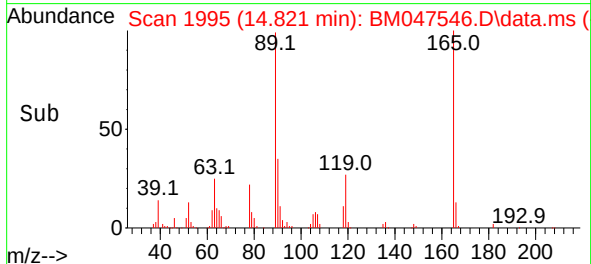
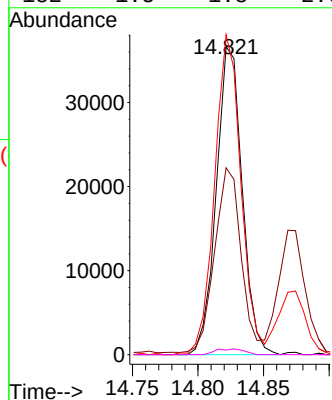
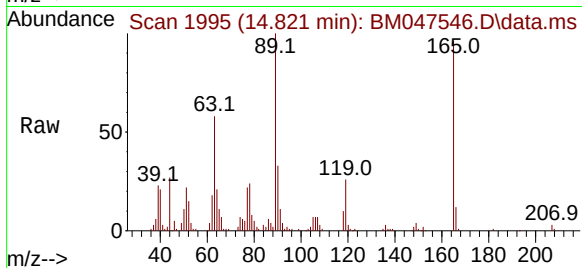




#57
2,4-Dinitrotoluene
Concen: 2.588 ng
RT: 14.821 min Scan# 1995
Delta R.T. -0.012 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

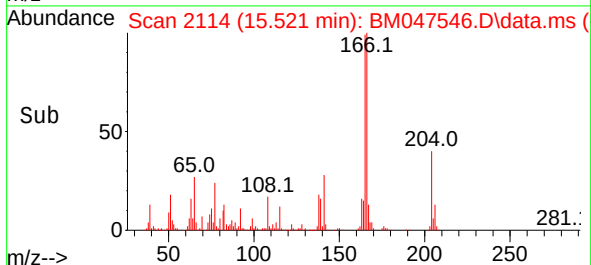
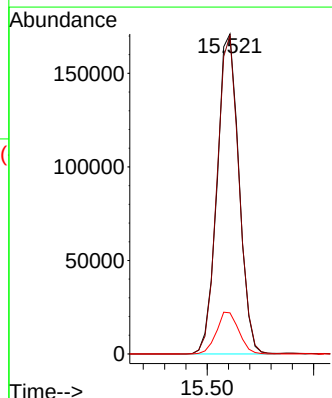
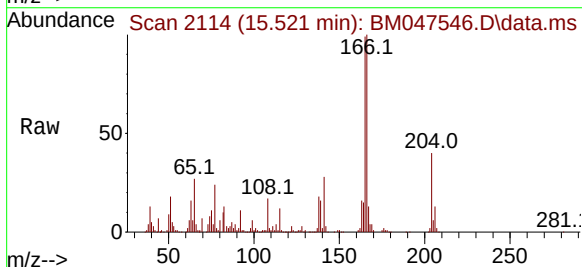
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

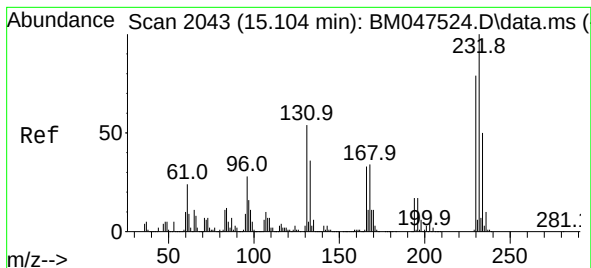
Tgt Ion:165 Resp: 50349
Ion Ratio Lower Upper
165 100
63 60.7 42.4 63.6
89 103.9 70.5 105.7
182 1.5 1.8 2.6#



#58
Fluorene
Concen: 3.111 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

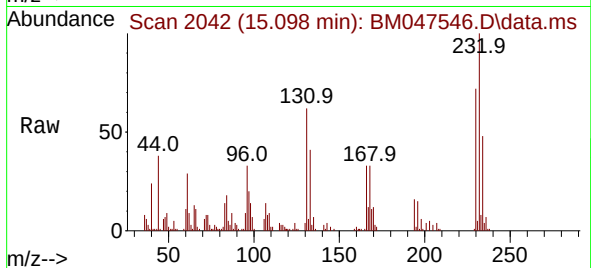
Tgt Ion:166 Resp: 243720
Ion Ratio Lower Upper
166 100
165 99.4 78.6 117.8
167 12.8 10.7 16.1



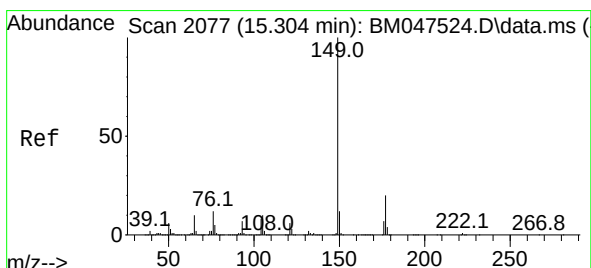
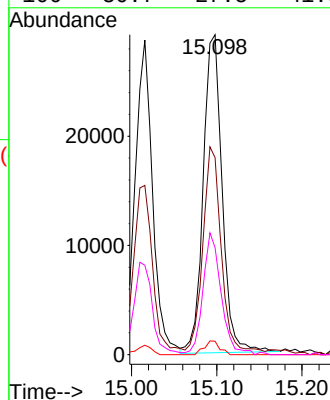
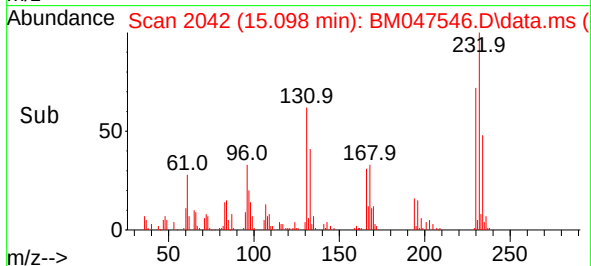


#59
2,3,4,6-Tetrachlorophenol
Concen: 2.973 ng
RT: 15.098 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

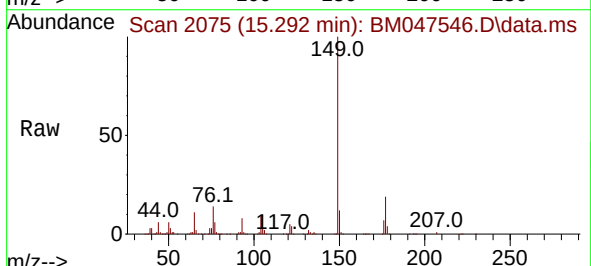
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



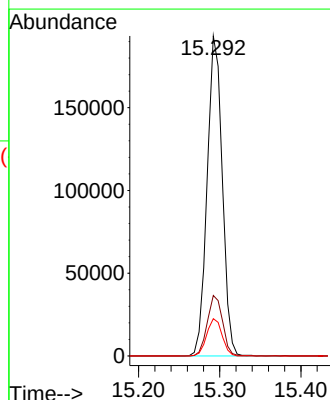
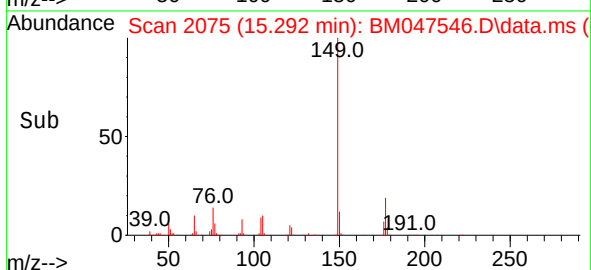
Tgt Ion:232 Resp: 44994
Ion Ratio Lower Upper
232 100
131 64.6 47.0 70.4
130 3.5 2.6 3.8
166 36.7 27.5 41.3

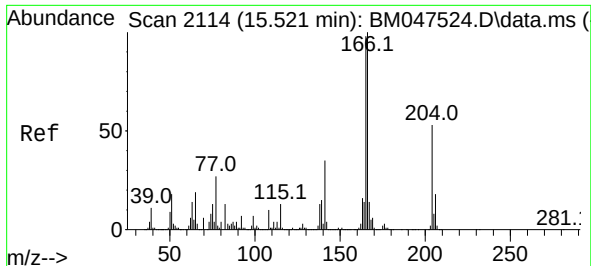


#60
Diethylphthalate
Concen: 3.395 ng
RT: 15.292 min Scan# 2075
Delta R.T. -0.012 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27



Tgt Ion:149 Resp: 249653
Ion Ratio Lower Upper
149 100
177 18.9 15.8 23.8
150 11.7 9.7 14.5

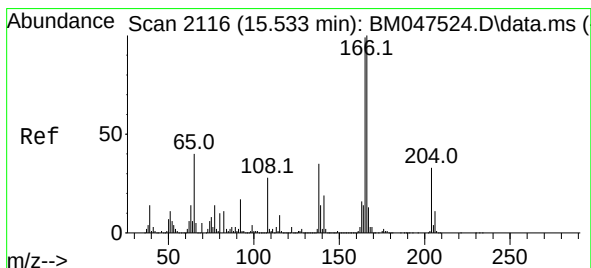
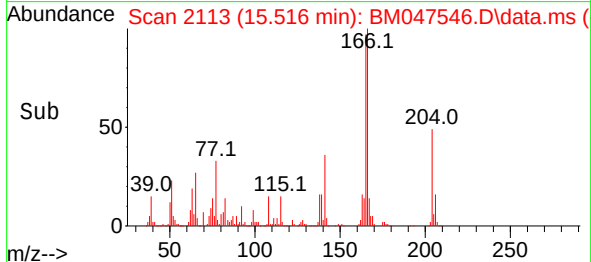
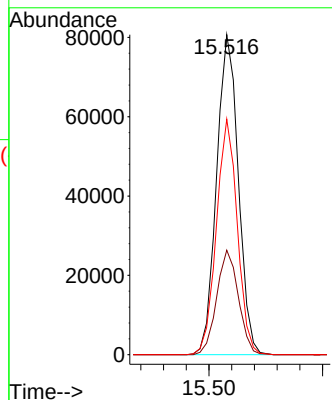
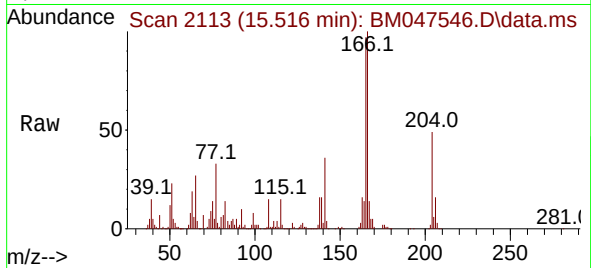




#61
4-Chlorophenyl-phenylether
Concen: 2.992 ng
RT: 15.516 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

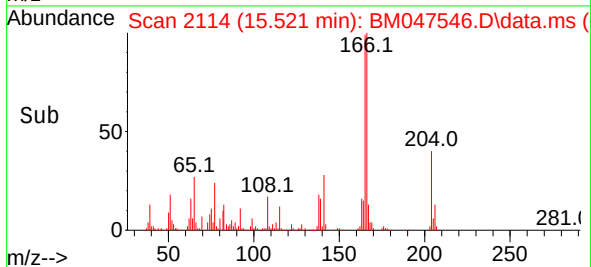
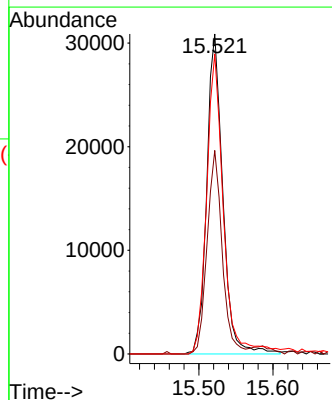
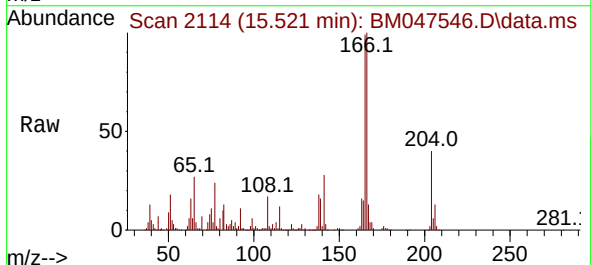
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

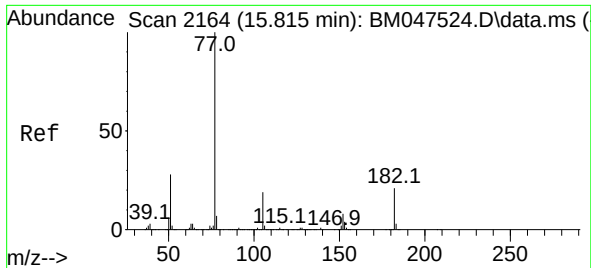
Tgt Ion:204 Resp: 107196
Ion Ratio Lower Upper
204 100
206 32.6 26.5 39.7
141 73.6 52.1 78.1



#62
4-Nitroaniline
Concen: 2.443 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.012 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion:138 Resp: 46567
Ion Ratio Lower Upper
138 100
92 63.6 30.0 70.0
108 93.8 61.7 101.7

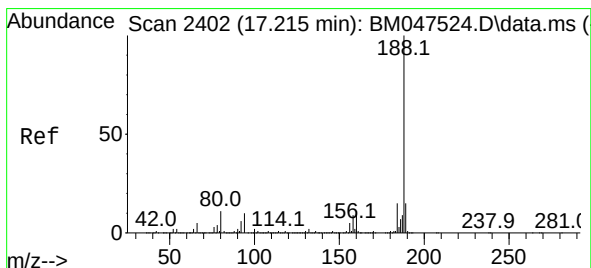
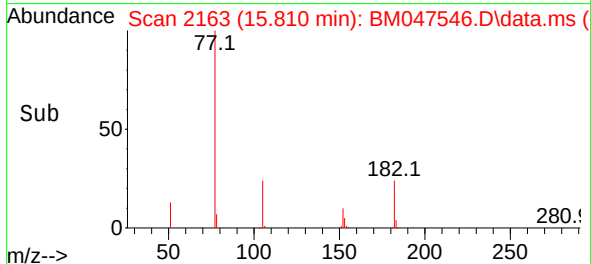
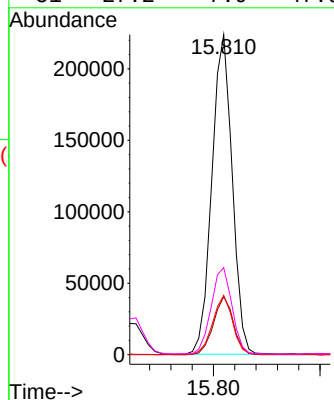
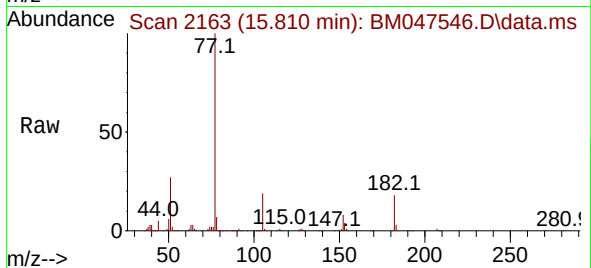




#63
Azobenzene
Concen: 3.658 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

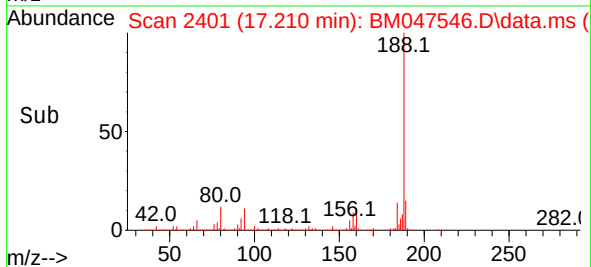
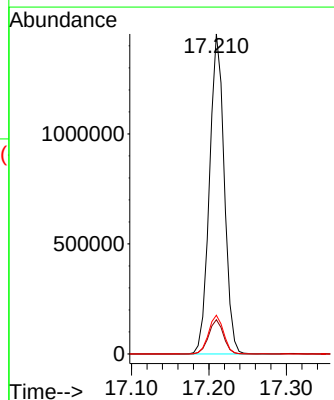
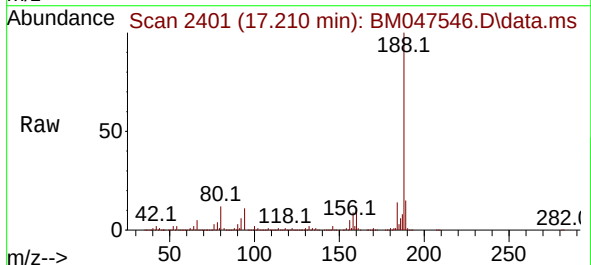
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

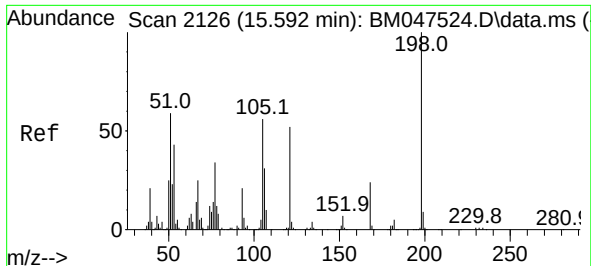
Tgt Ion: 77	Resp: 296215
Ion Ratio	Lower Upper
77 100	
182 18.1	1.2 41.2
105 18.6	0.0 39.4
51 27.2	7.9 47.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion:188	Resp: 1928830		
Ion Ratio	Lower	Upper	
188 100			
94 10.7	8.4	12.6	
80 12.1	9.1	13.7	





#65

4,6-Dinitro-2-methylphenol

Concen: 8.604 ng

RT: 15.586 min Scan# 2125

Delta R.T. -0.006 min

Lab File: BM047546.D

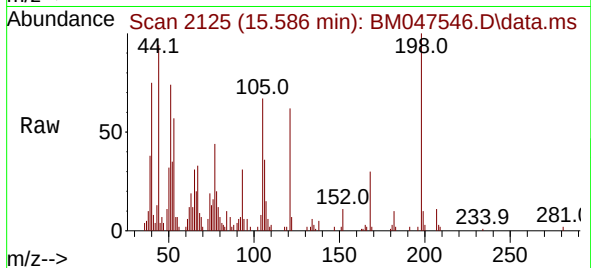
Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



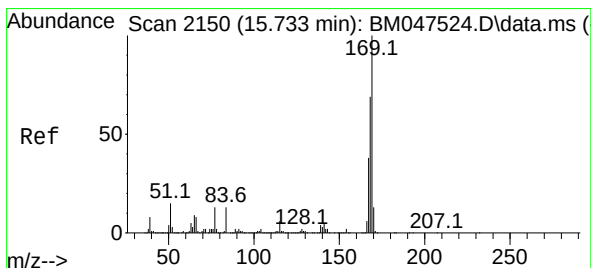
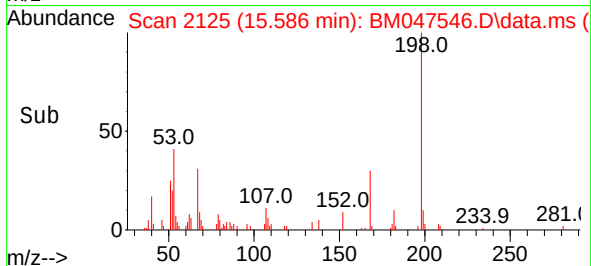
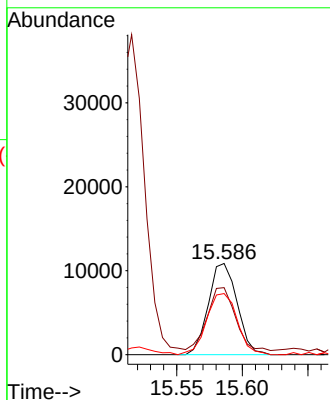
Tgt Ion:198 Resp: 16540

Ion Ratio Lower Upper

198 100

51 73.6 41.5 81.5

105 67.0 36.4 76.4



#66

n-Nitrosodiphenylamine

Concen: 3.262 ng

RT: 15.727 min Scan# 2149

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

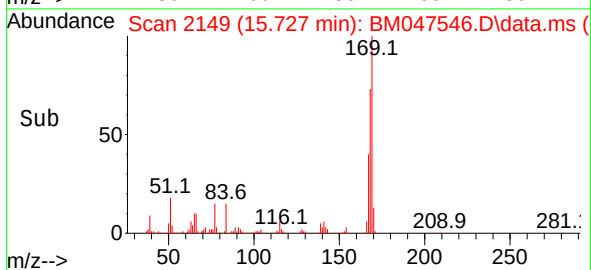
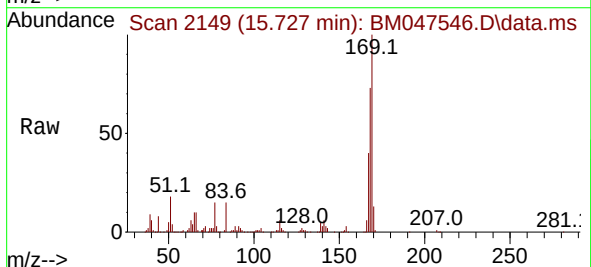
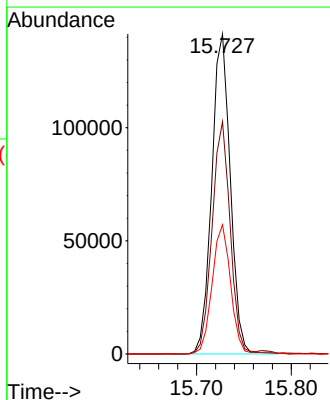
Tgt Ion:169 Resp: 192466

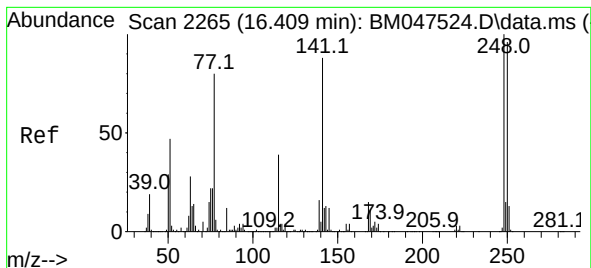
Ion Ratio Lower Upper

169 100

168 72.6 55.3 82.9

167 40.4 30.5 45.7

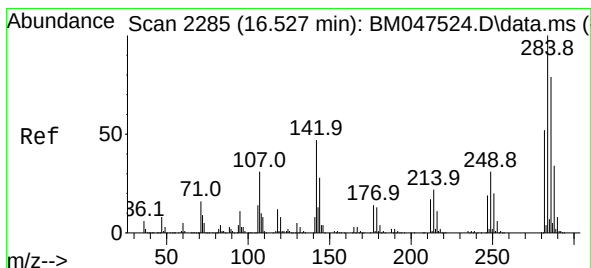
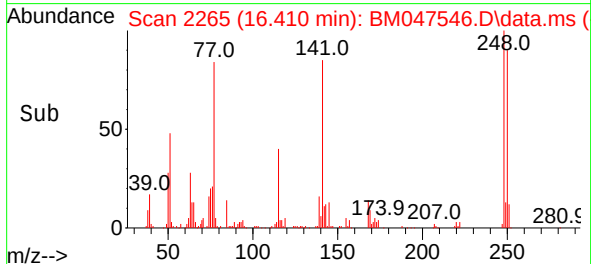
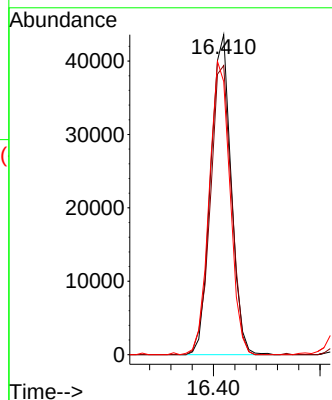
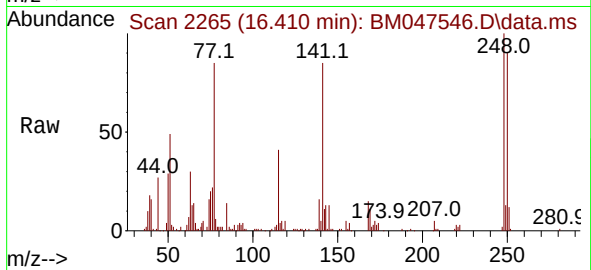




#67
4-Bromophenyl-phenylether
Concen: 3.097 ng
RT: 16.410 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

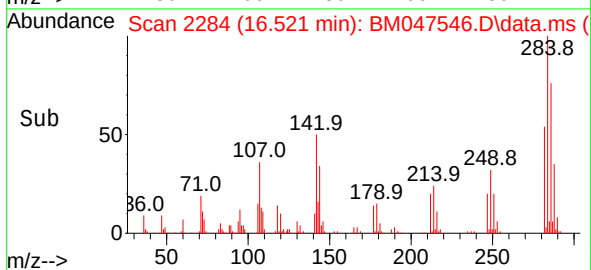
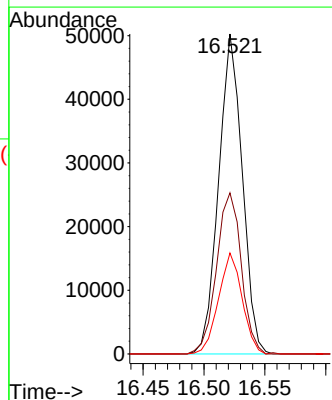
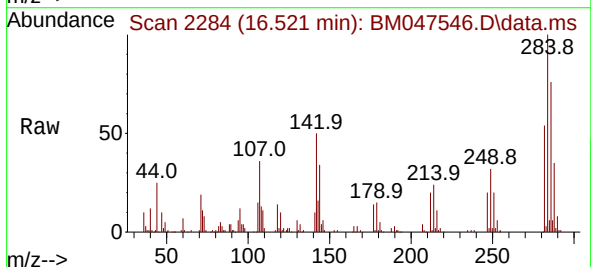
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

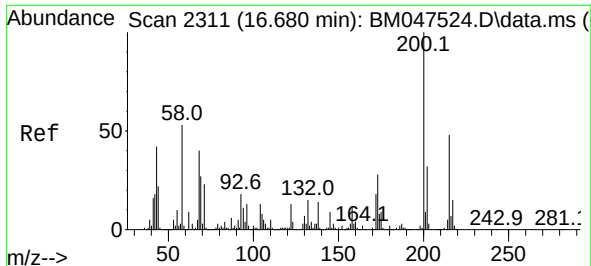
Tgt Ion:248 Resp: 58035
Ion Ratio Lower Upper
248 100
250 90.3 76.9 115.3
141 85.4 70.8 106.2



#68
Hexachlorobenzene
Concen: 3.197 ng
RT: 16.521 min Scan# 2284
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion:284 Resp: 67880
Ion Ratio Lower Upper
284 100
142 50.4 37.3 55.9
249 31.5 24.5 36.7





#69

Atrazine

Concen: 3.202 ng

RT: 16.668 min Scan# 2309

Delta R.T. -0.012 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

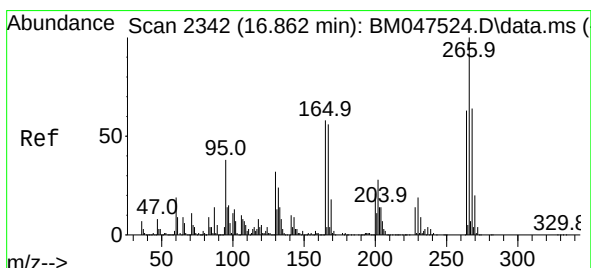
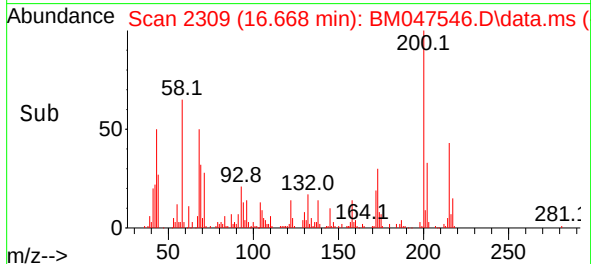
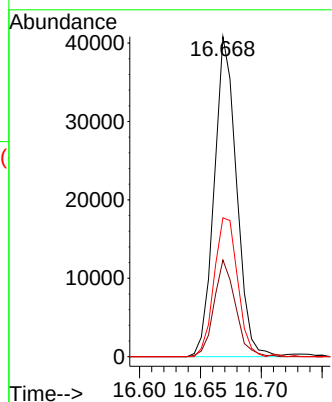
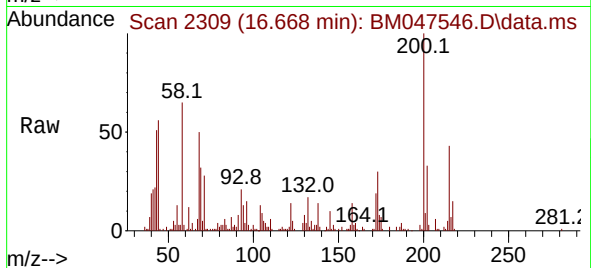
Tgt Ion:200 Resp: 52220

Ion Ratio Lower Upper

200 100

173 30.2 7.7 47.7

215 43.4 27.9 67.9



#70

Pentachlorophenol

Concen: 2.319 ng

RT: 16.863 min Scan# 2342

Delta R.T. 0.000 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

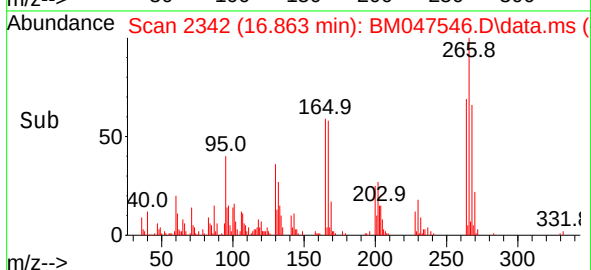
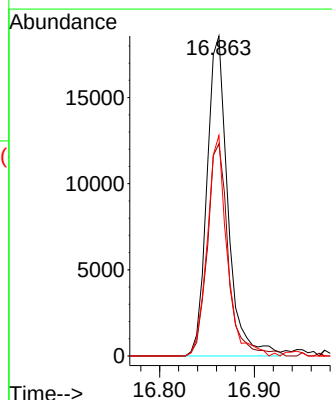
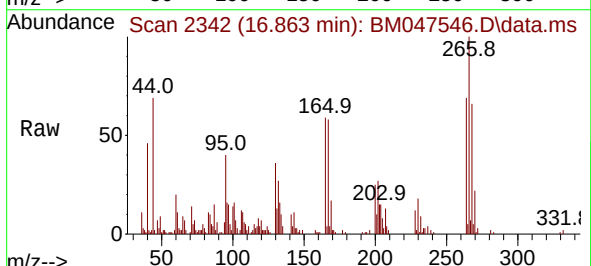
Tgt Ion:266 Resp: 28547

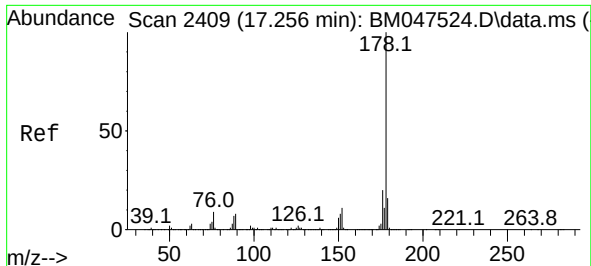
Ion Ratio Lower Upper

266 100

268 71.8 51.0 76.4

264 68.9 50.4 75.6

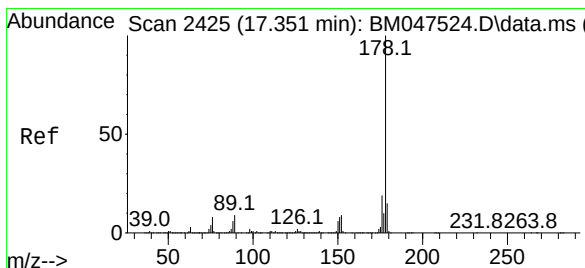
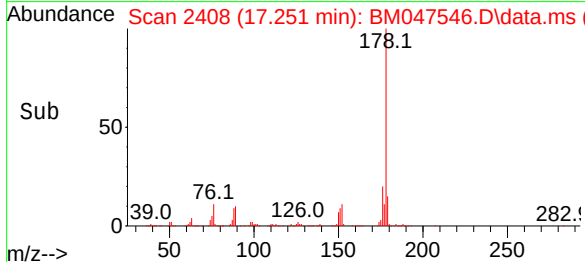
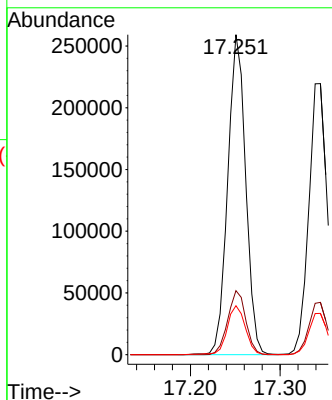
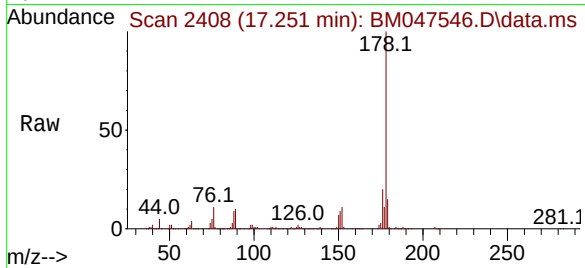




#71
Phenanthrene
Concen: 3.386 ng
RT: 17.251 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

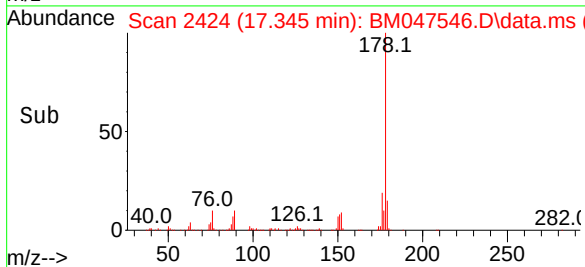
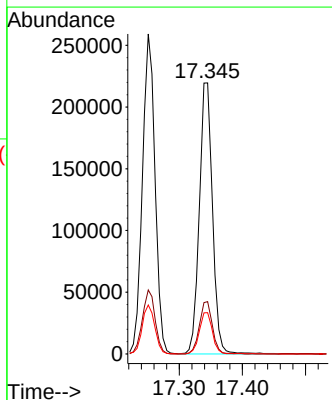
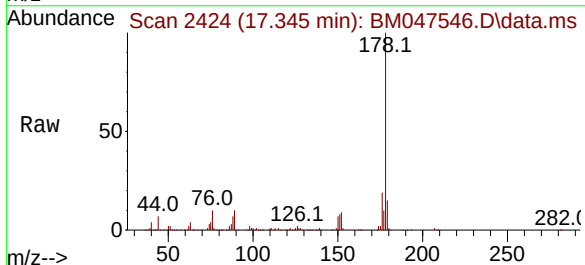
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

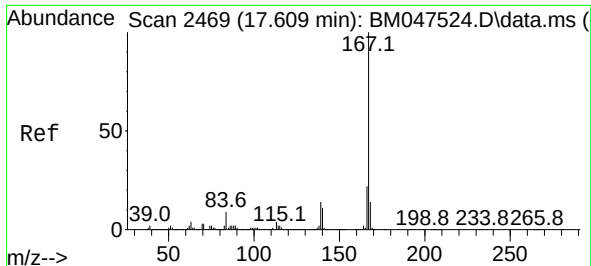
Tgt Ion:178 Resp: 359925
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 15.3 12.4 18.6



#72
Anthracene
Concen: 3.116 ng
RT: 17.345 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion:178 Resp: 318220
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.2 12.3 18.5

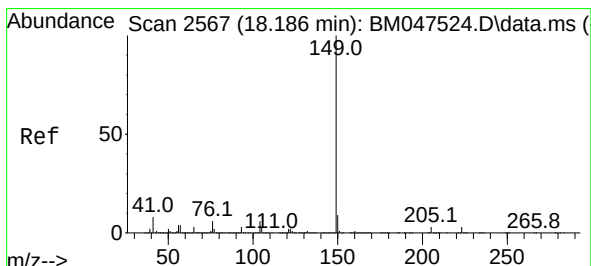
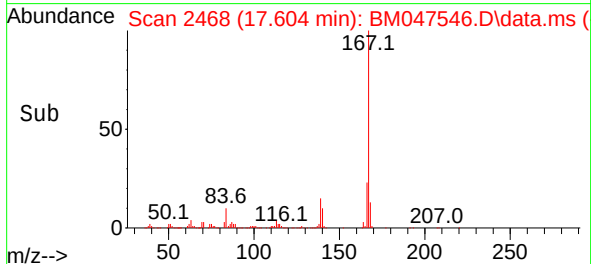
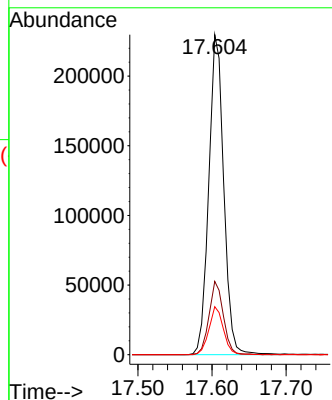
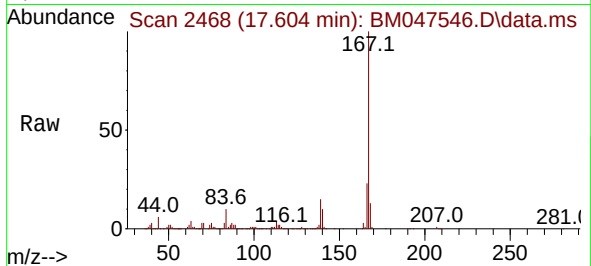




#73
 Carbazole
 Concen: 3.189 ng
 RT: 17.604 min Scan# 2469
 Delta R.T. -0.006 min
 Lab File: BM047546.D
 Acq: 17 Sep 2024 16:27

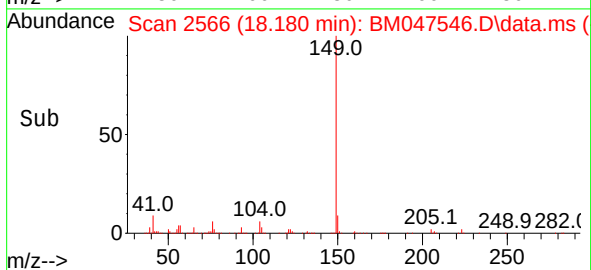
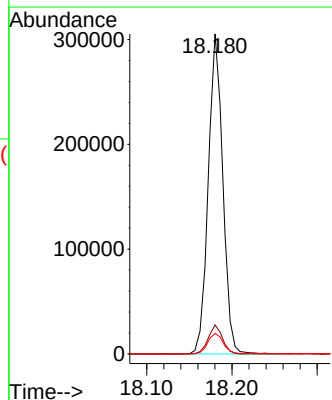
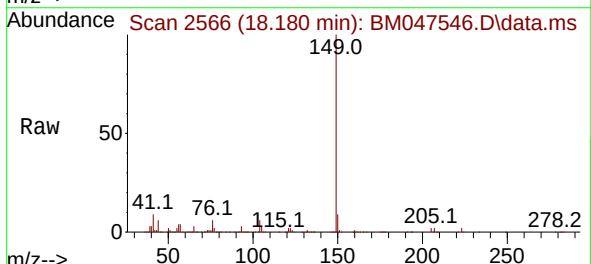
Instrument : BNA_M
 ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

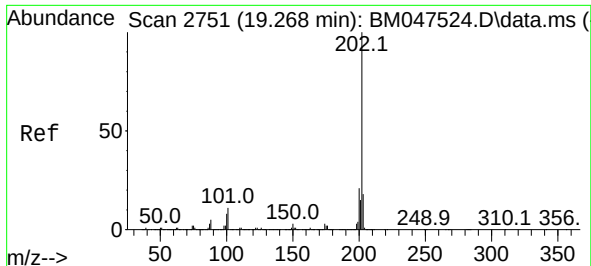
Tgt Ion:167	Resp: 322791		
Ion Ratio	Lower	Upper	
167	100		
166	22.9	17.8	26.8
139	15.0	11.0	16.6



#74
 Di-n-butylphthalate
 Concen: 2.990 ng
 RT: 18.180 min Scan# 2566
 Delta R.T. -0.006 min
 Lab File: BM047546.D
 Acq: 17 Sep 2024 16:27

Tgt Ion:149	Resp: 362060
Ion Ratio	Lower Upper
149 100	
150 9.1	7.4 11.2
104 6.4	4.6 6.8

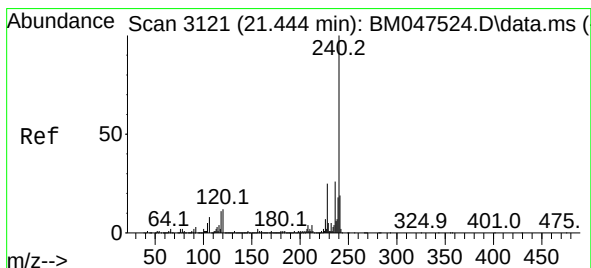
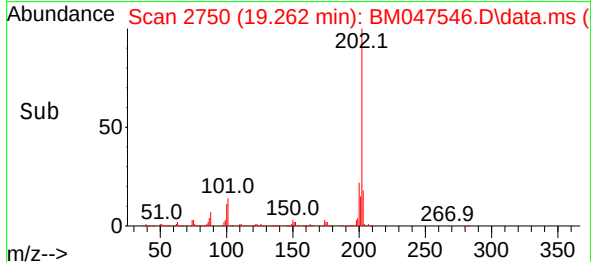
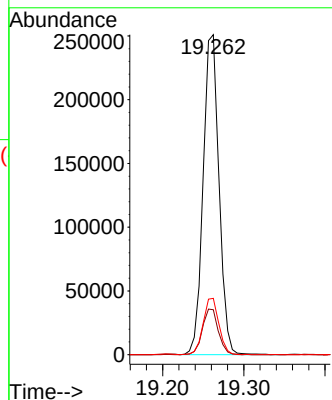
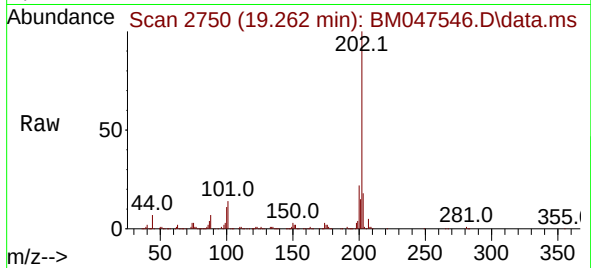




#75
Fluoranthene
Concen: 2.936 ng
RT: 19.262 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

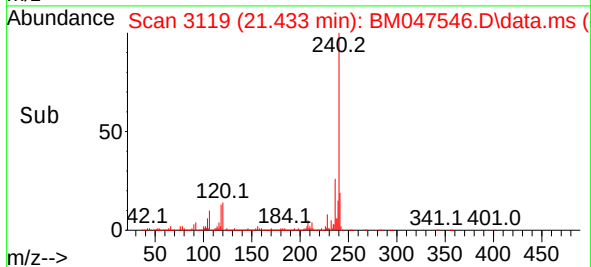
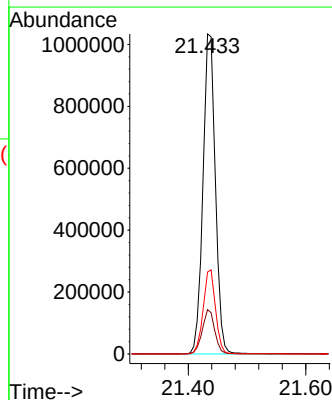
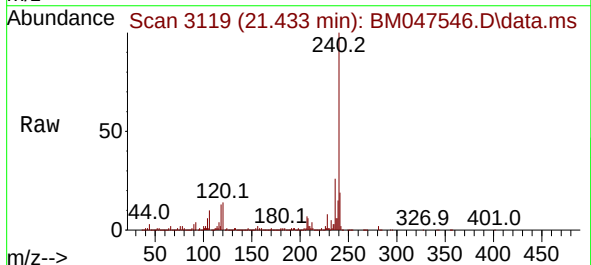
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

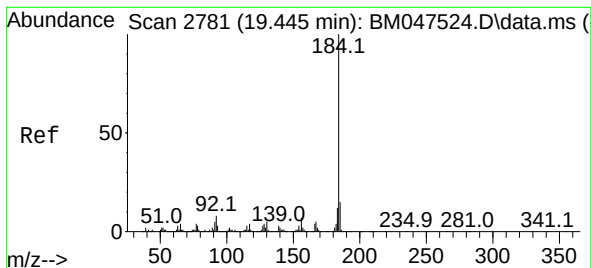
Tgt Ion:202 Resp: 340546
Ion Ratio Lower Upper
202 100
101 14.1 0.0 30.8
203 17.6 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.011 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion:240 Resp: 1514587
Ion Ratio Lower Upper
240 100
120 13.9 9.6 14.4
236 25.6 20.9 31.3





#77

Benzidine

Concen: 3.776 ng

RT: 19.439 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

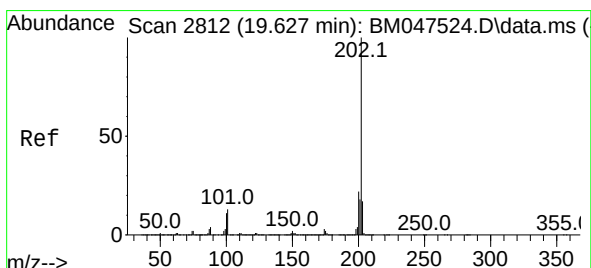
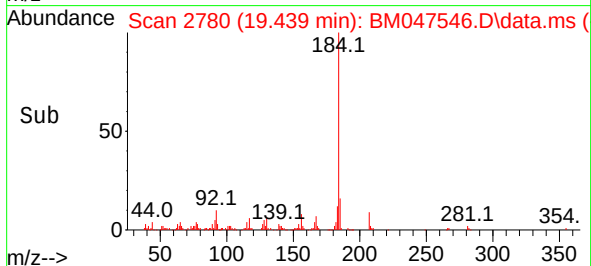
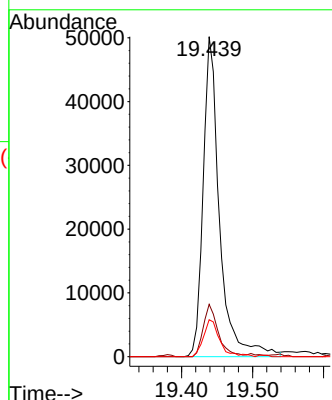
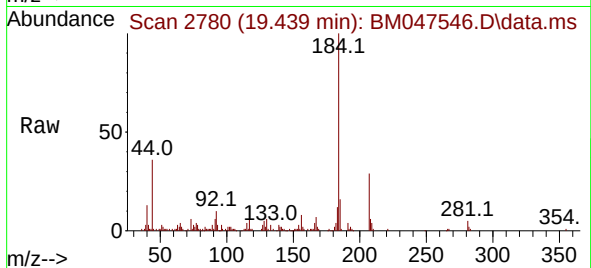
Tgt Ion:184 Resp: 80542

Ion Ratio Lower Upper

184 100

185 16.3 12.2 18.2

183 11.6 9.6 14.4



#78

Pyrene

Concen: 3.213 ng

RT: 19.621 min Scan# 2811

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

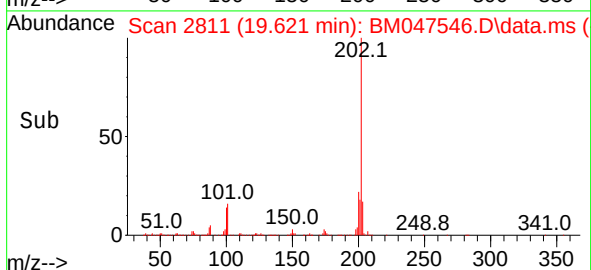
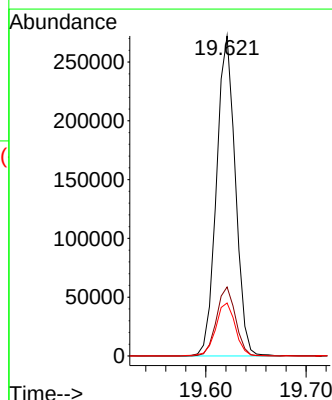
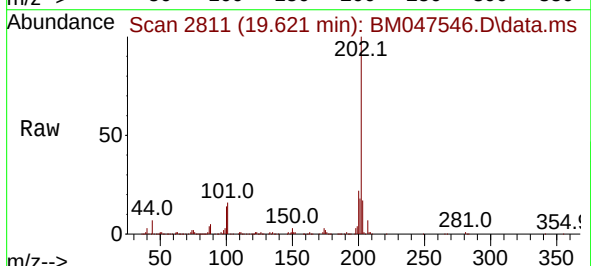
Tgt Ion:202 Resp: 354991

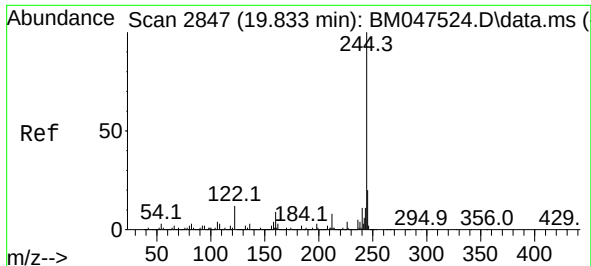
Ion Ratio Lower Upper

202 100

200 21.6 17.2 25.8

203 16.6 14.0 21.0

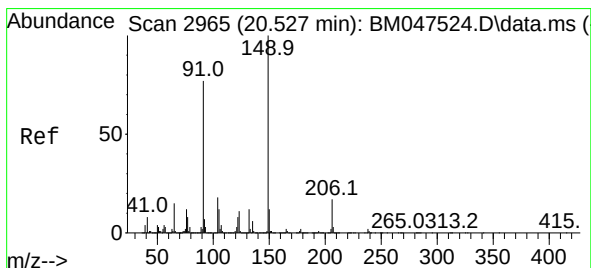
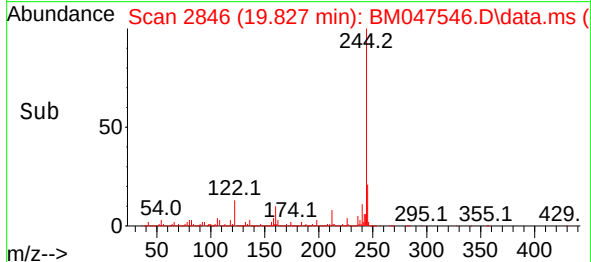
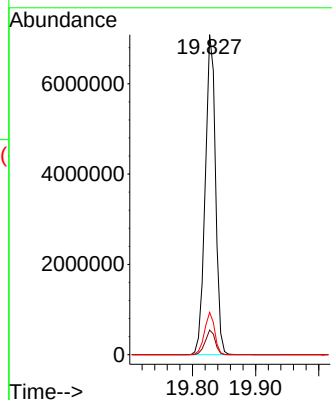
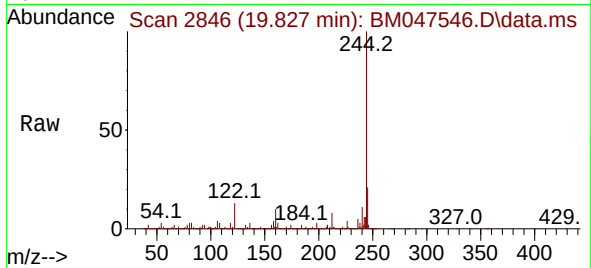




#79
 Terphenyl-d14
 Concen: 94.969 ng
 RT: 19.827 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM047546.D
 Acq: 17 Sep 2024 16:27

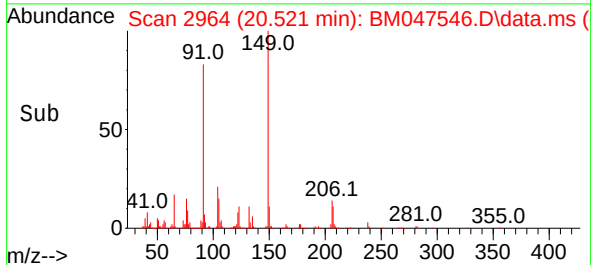
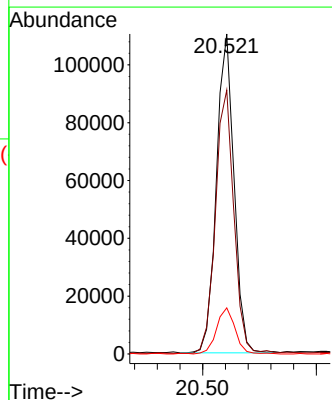
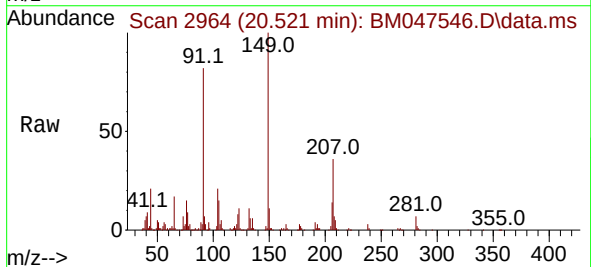
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

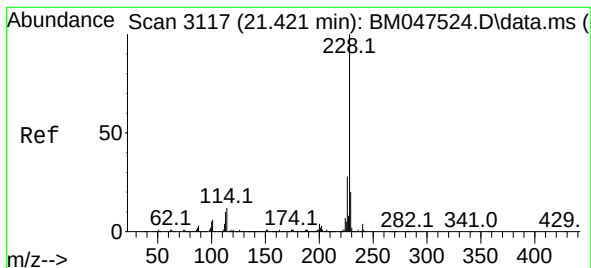
Tgt Ion:244 Resp: 8026979
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 13.2 9.6 14.4



#80
 Butylbenzylphthalate
 Concen: 2.790 ng
 RT: 20.521 min Scan# 2964
 Delta R.T. -0.006 min
 Lab File: BM047546.D
 Acq: 17 Sep 2024 16:27

Tgt Ion:149 Resp: 118673
 Ion Ratio Lower Upper
 149 100
 91 82.5 62.0 93.0
 206 14.4 13.8 20.8





#81

Benzo(a)anthracene

Concen: 3.524 ng

RT: 21.415 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

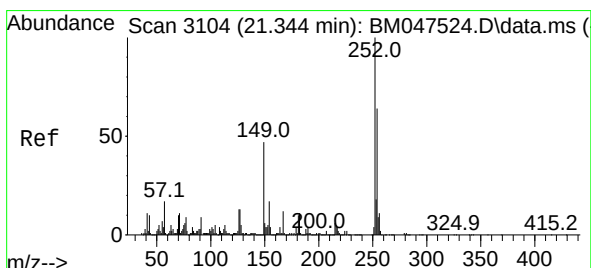
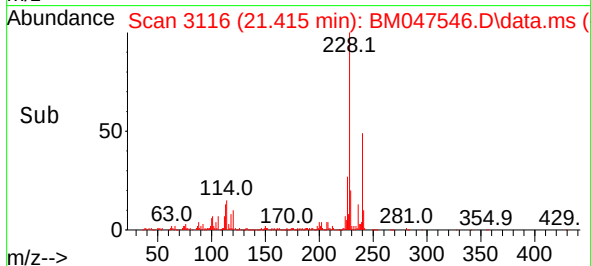
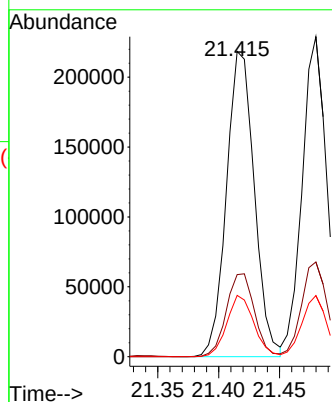
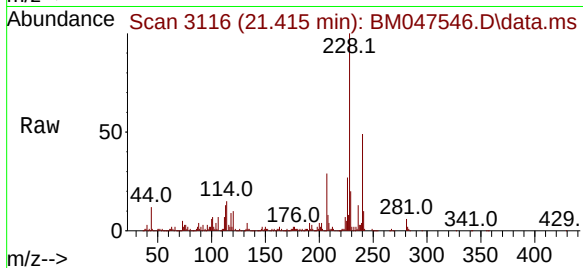
Tgt Ion:228 Resp: 347869

Ion Ratio Lower Upper

228 100

226 26.9 22.4 33.6

229 20.1 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 3.190 ng

RT: 21.339 min Scan# 3103

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

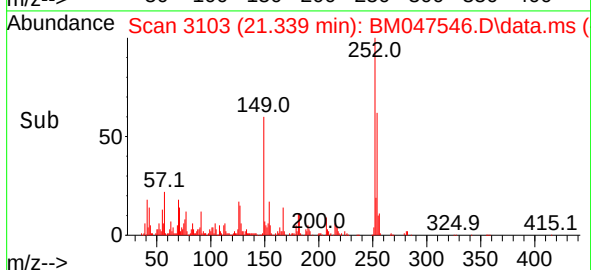
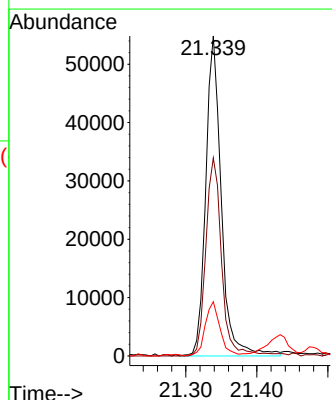
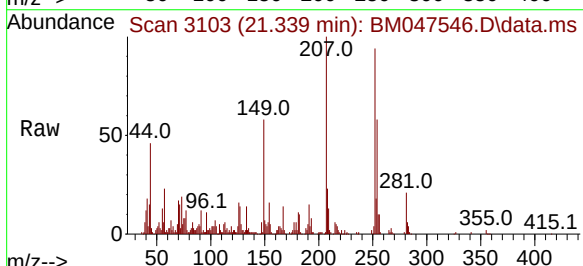
Tgt Ion:252 Resp: 83769

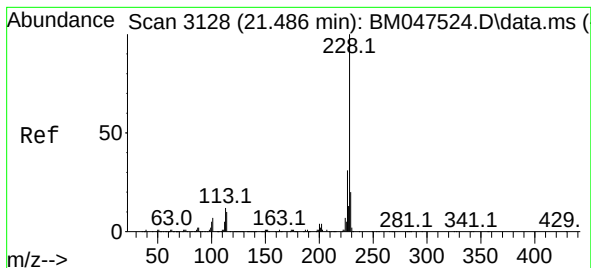
Ion Ratio Lower Upper

252 100

254 61.9 51.5 77.3

126 17.0 10.3 15.5#





#83

Chrysene

Concen: 3.477 ng

RT: 21.480 min Scan# 3128

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

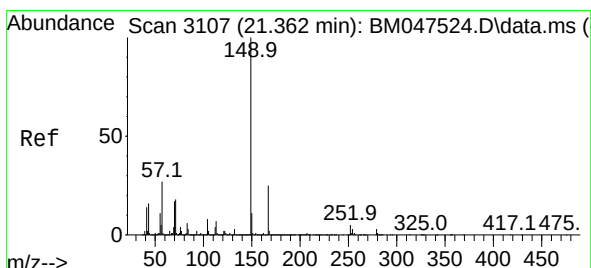
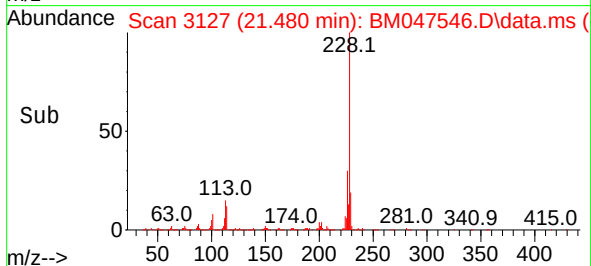
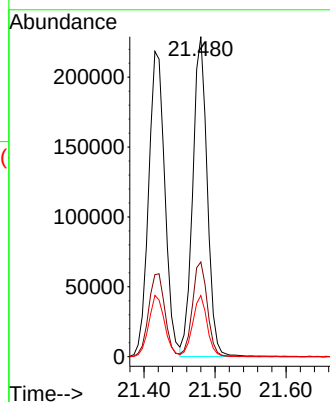
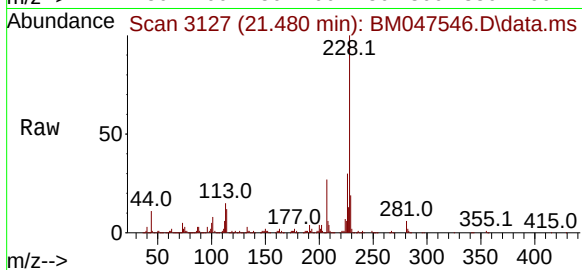
Tgt Ion:228 Resp: 324688

Ion Ratio Lower Upper

228 100

226 29.6 25.0 37.6

229 19.1 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.993 ng

RT: 21.350 min Scan# 3105

Delta R.T. -0.012 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

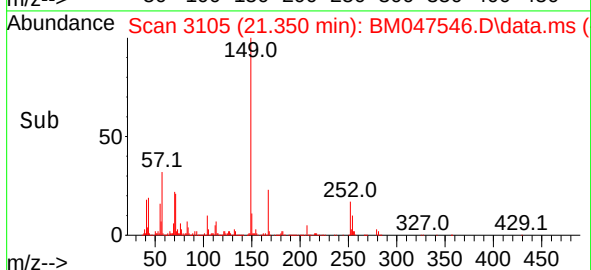
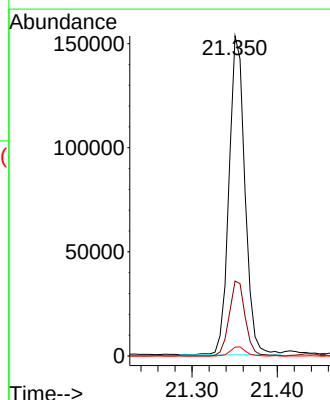
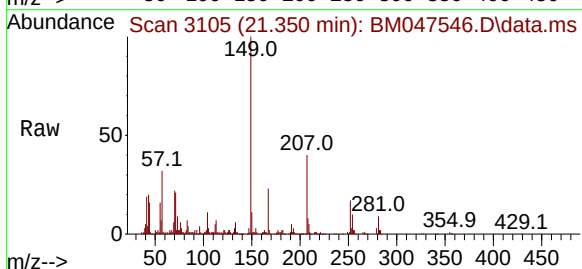
Tgt Ion:149 Resp: 199409

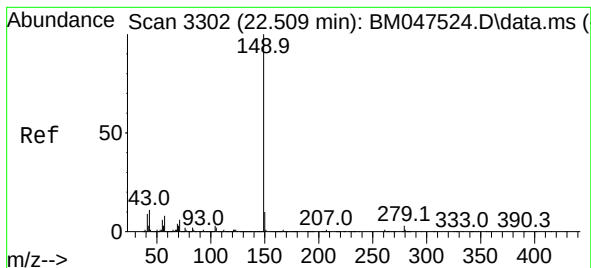
Ion Ratio Lower Upper

149 100

167 23.4 20.2 30.4

279 2.7 2.6 4.0





#85

Di-n-octyl phthalate

Concen: 2.935 ng

RT: 22.497 min Scan# 3302

Delta R.T. -0.012 min

Lab File: BM047546.D

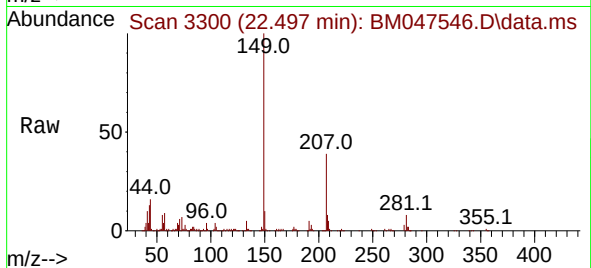
Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



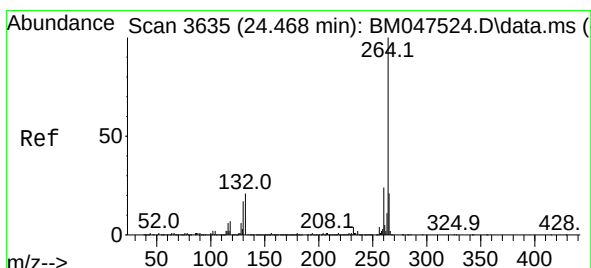
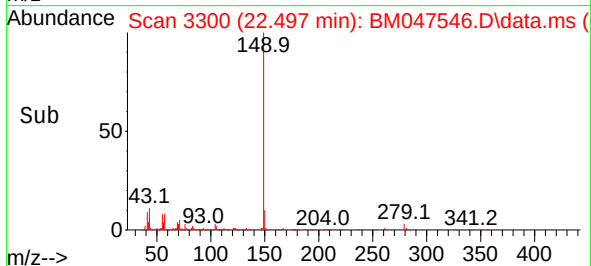
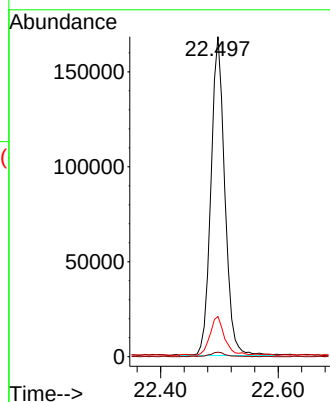
Tgt Ion:149 Resp: 276631

Ion Ratio Lower Upper

149 100

167 1.7 1.1 1.7#

43 12.7 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.462 min Scan# 3634

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

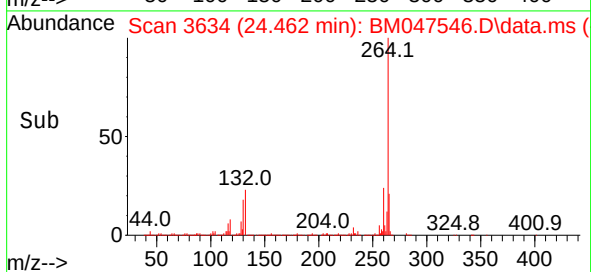
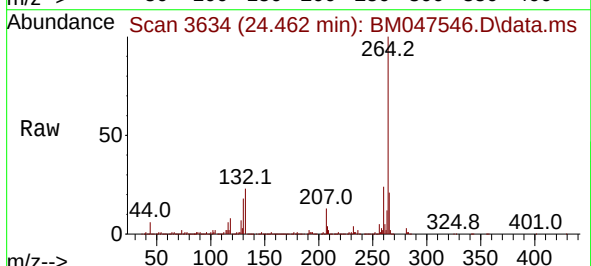
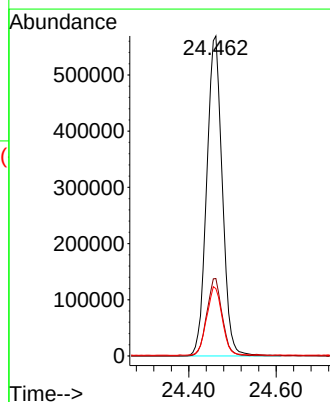
Tgt Ion:264 Resp: 1411706

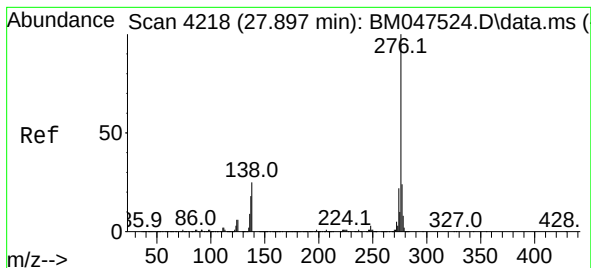
Ion Ratio Lower Upper

264 100

260 24.2 18.9 28.3

265 21.0 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.447 ng

RT: 27.874 min Scan# 41

Delta R.T. -0.023 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

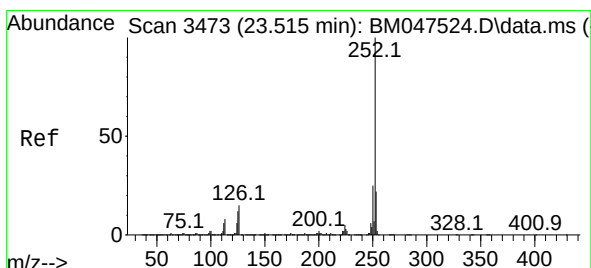
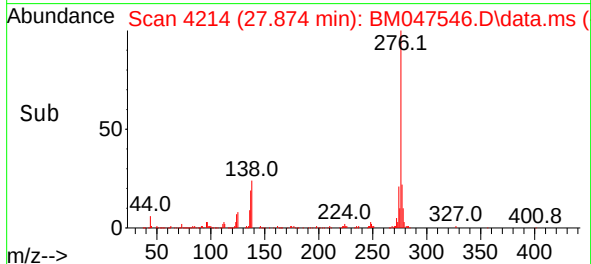
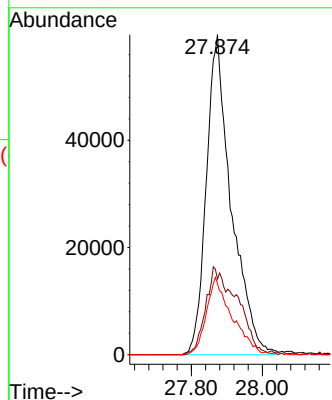
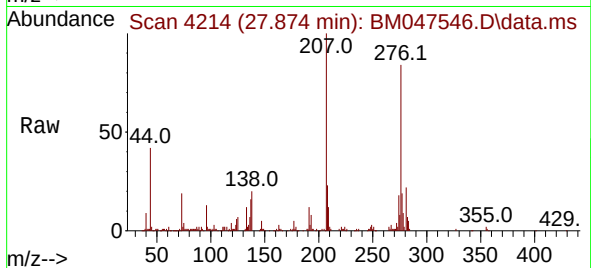
Tgt Ion:276 Resp: 291175

Ion Ratio Lower Upper

276 100

138 34.5 25.0 37.6

277 24.7 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 3.229 ng

RT: 23.503 min Scan# 3471

Delta R.T. -0.012 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

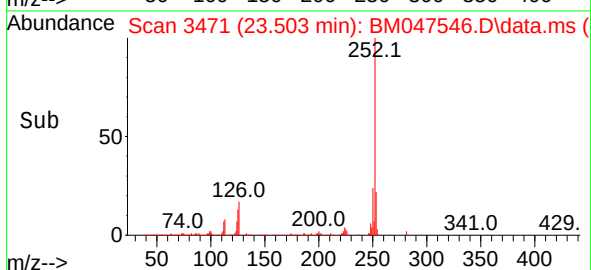
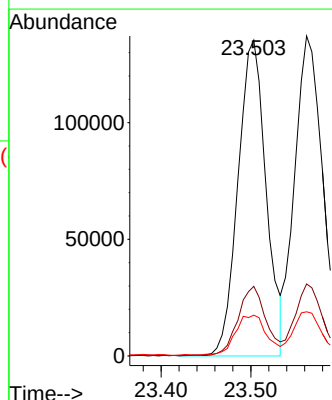
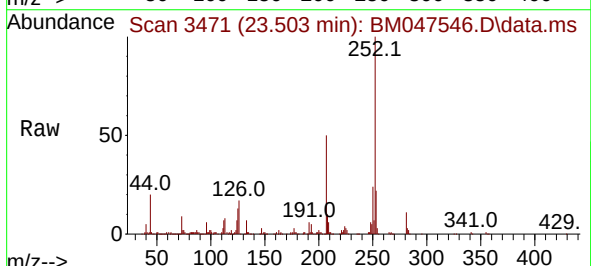
Tgt Ion:252 Resp: 294898

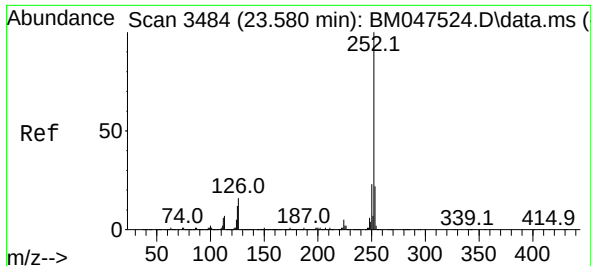
Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

125 12.9 9.5 14.3





#89

Benzo(k)fluoranthene

Concen: 3.305 ng

RT: 23.562 min Scan# 34

Delta R.T. -0.017 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

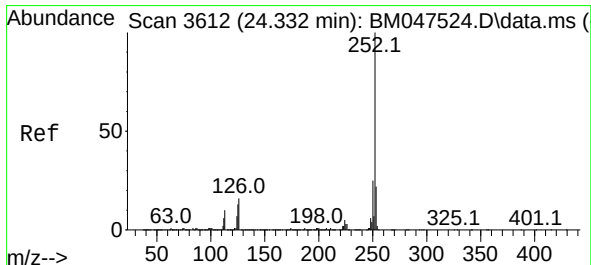
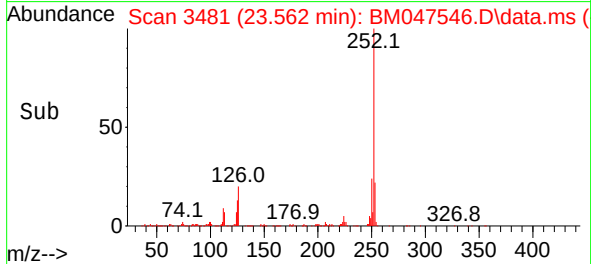
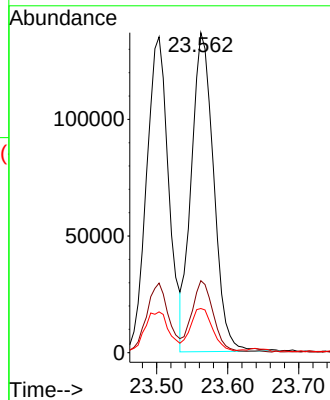
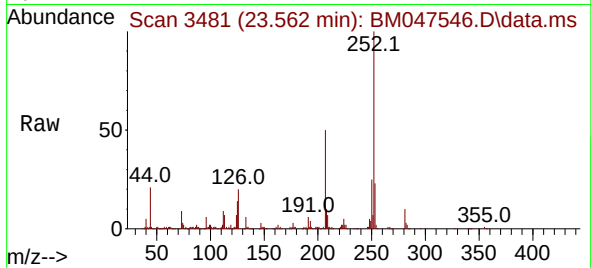
Tgt Ion:252 Resp: 299139

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

125 13.8 9.5 14.3



#90

Benzo(a)pyrene

Concen: 3.345 ng

RT: 24.315 min Scan# 3609

Delta R.T. -0.017 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

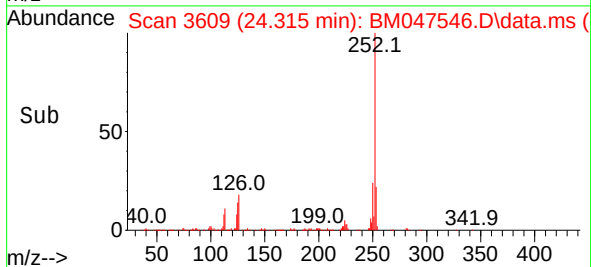
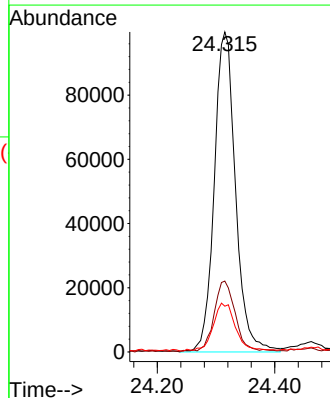
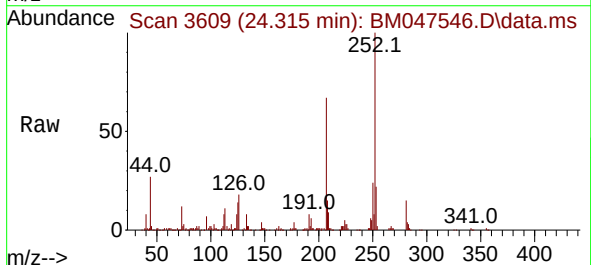
Tgt Ion:252 Resp: 250412

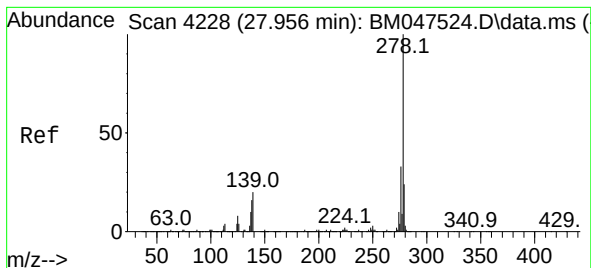
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 14.3 10.2 15.4





#91

Dibenzo(a,h)anthracene

Concen: 3.330 ng

RT: 27.927 min Scan# 4394

Delta R.T. -0.029 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

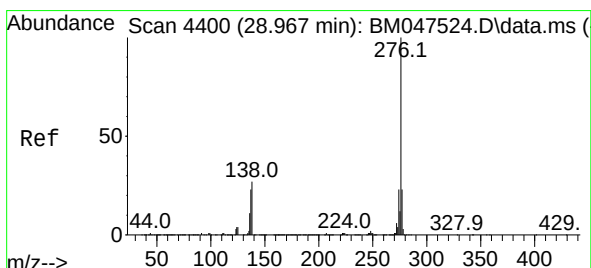
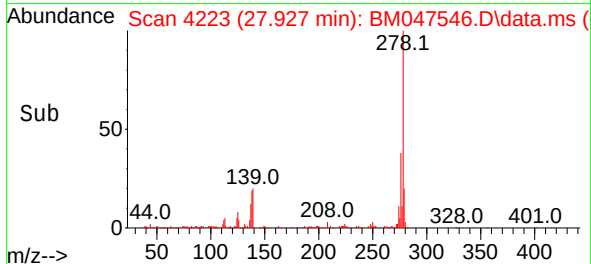
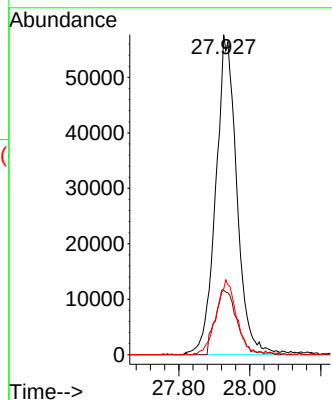
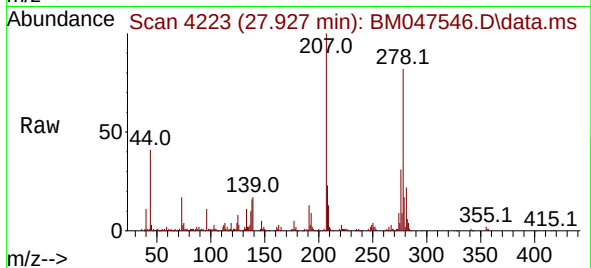
Tgt Ion:278 Resp: 236726

Ion Ratio Lower Upper

278 100

139 20.2 15.9 23.9

279 20.5 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 3.172 ng

RT: 28.932 min Scan# 4394

Delta R.T. -0.035 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Tgt Ion:276 Resp: 220226

Ion Ratio Lower Upper

276 100

277 25.5 18.6 28.0

138 29.4 21.5 32.3

