

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091724\
 Data File : BM047542.D
 Acq On : 17 Sep 2024 13:21
 Operator : RC/JU
 Sample : P2403-02
 Misc : LOQ-SOIL-10 ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

Quant Time: Sep 17 13:57:36 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	380364	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1684559	20.000	ng	0.00
39) Acenaphthene-d10	14.474	164	956040	20.000	ng	0.00
64) Phenanthrene-d10	17.209	188	1808861	20.000	ng	0.00
76) Chrysene-d12	21.433	240	1496686	20.000	ng	-0.01
86) Perylene-d12	24.462	264	1402476	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	2936075	122.905	ng	0.00
7) Phenol-d6	7.010	99	4036487	119.982	ng	0.00
23) Nitrobenzene-d5	8.998	82	2868328	85.214	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	1135511	122.878	ng	0.00
45) 2-Fluorobiphenyl	13.104	172	5909234	85.144	ng	0.00
79) Terphenyl-d14	19.827	244	7972634	95.454	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.322	88	116892	11.424	ng	100
3) Pyridine	3.722	79	291488	9.570	ng	98
4) n-Nitrosodimethylamine	3.628	42	146416	10.595	ng	# 94
6) Aniline	7.169	93	342409	11.480	ng	97
8) 2-Chlorophenol	7.410	128	254615	9.668	ng	94
9) Benzaldehyde	6.987	77	267692	16.734	ng	99
10) Phenol	7.034	94	332449	9.869	ng	99
11) bis(2-Chloroethyl)ether	7.269	93	272223	10.066	ng	98
12) 1,3-Dichlorobenzene	7.739	146	268505	9.315	ng	97
13) 1,4-Dichlorobenzene	7.881	146	278327	9.480	ng	98
14) 1,2-Dichlorobenzene	8.198	146	269660	9.333	ng	97
15) Benzyl Alcohol	8.081	79	224702	9.860	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.369	45	406946	10.697	ng	98
17) 2-Methylphenol	8.281	107	196722	9.142	ng	98
18) Hexachloroethane	8.934	117	113776	9.701	ng	98
19) n-Nitroso-di-n-propyla...	8.651	70	216667	9.552	ng	99
20) 3+4-Methylphenols	8.610	107	269642	8.980	ng	98
22) Acetophenone	8.663	105	423906	9.572	ng	# 97
24) Nitrobenzene	9.039	77	334227	9.663	ng	96
25) Isophorone	9.569	82	571156	9.652	ng	98
26) 2-Nitrophenol	9.751	139	94209	7.993	ng	97
27) 2,4-Dimethylphenol	9.810	122	130284	7.292	ng	99
28) bis(2-Chloroethoxy)met...	10.051	93	355277	9.558	ng	99
29) 2,4-Dichlorophenol	10.286	162	193981	8.546	ng	98
30) 1,2,4-Trichlorobenzene	10.504	180	224527	8.635	ng	98
31) Naphthalene	10.692	128	812913	8.935	ng	99
32) Benzoic acid	9.904	122	168323	14.922	ng	99
33) 4-Chloroaniline	10.792	127	313646	9.535	ng	96
34) Hexachlorobutadiene	10.986	225	118601	8.235	ng	96
35) Caprolactam	11.551	113	64740	8.659	ng	93
36) 4-Chloro-3-methylphenol	11.916	107	223090	8.576	ng	97
37) 2-Methylnaphthalene	12.304	142	519382	8.577	ng	98
38) 1-Methylnaphthalene	12.522	142	484934	8.059	ng	99
40) 1,2,4,5-Tetrachloroben...	12.669	216	227096	8.778	ng	98
41) Hexachlorocyclopentadiene	12.657	237	53719	6.352	ng	97
43) 2,4,6-Trichlorophenol	12.910	196	133189	8.218	ng	96

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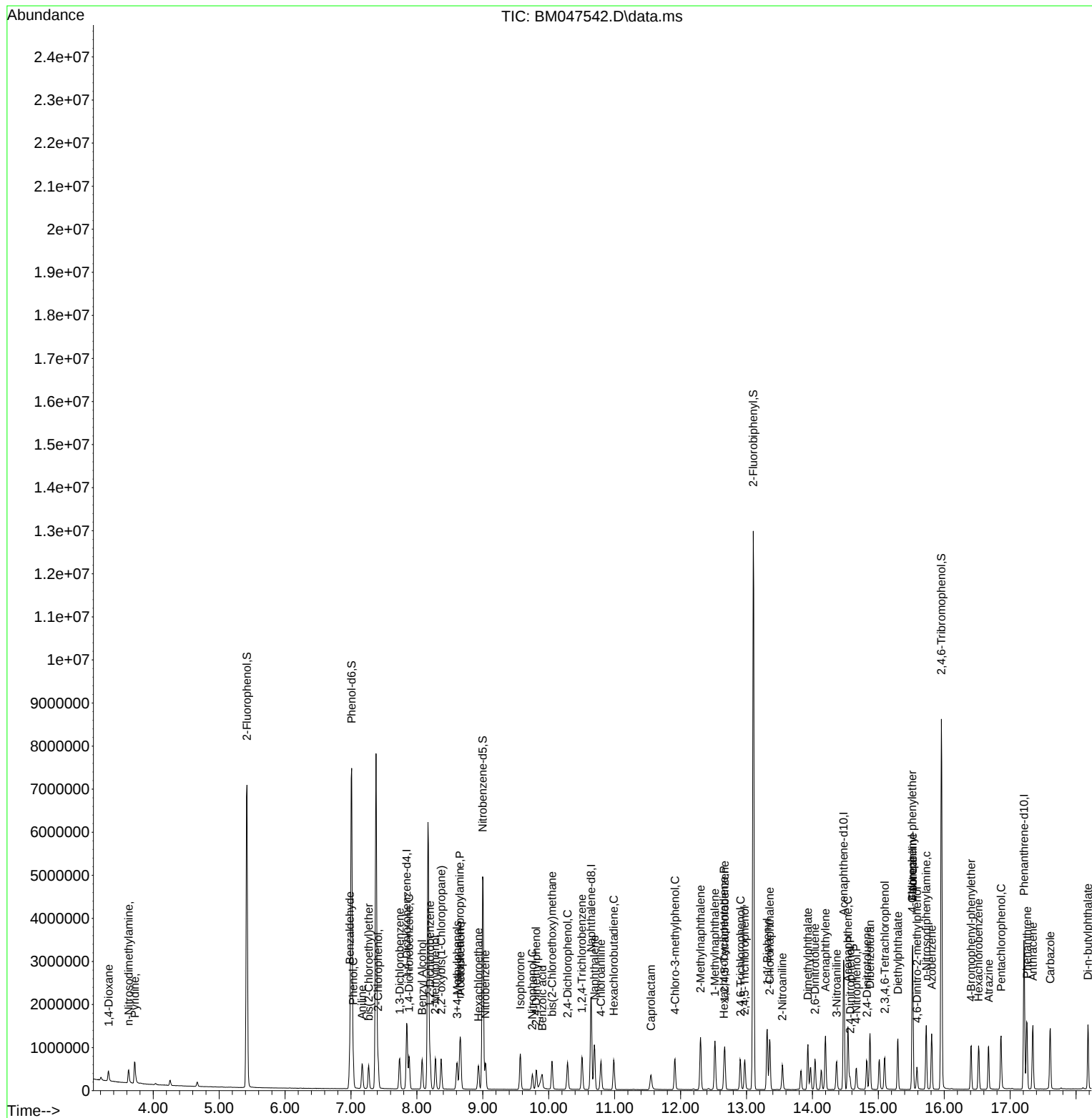
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.974	196	148748	8.126	ng	98
46) 1,1'-Biphenyl	13.316	154	685440	9.215	ng	99
47) 2-Chloronaphthalene	13.351	162	509819	8.827	ng	98
48) 2-Nitroaniline	13.545	65	145370	8.569	ng	94
49) Acenaphthylene	14.198	152	800766	9.607	ng	99
50) Dimethylphthalate	13.933	163	587833	9.021	ng	100
51) 2,6-Dinitrotoluene	14.039	165	112038	8.145	ng	88
52) Acenaphthene	14.539	154	496725	8.506	ng	98
53) 3-Nitroaniline	14.368	138	133718	8.746	ng	95
54) 2,4-Dinitrophenol	14.574	184	41708	10.495	ng	97
55) Dibenzofuran	14.874	168	726673	8.855	ng	96
56) 4-Nitrophenol	14.668	139	107804	8.568	ng	97
57) 2,4-Dinitrotoluene	14.827	165	145621	7.937	ng	90
58) Fluorene	15.521	166	610980	8.269	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.098	232	117335	8.221	ng	94
60) Diethylphthalate	15.298	149	611056	8.811	ng	99
61) 4-Chlorophenyl-phenyle...	15.515	204	266031	7.875	ng	94
62) 4-Nitroaniline	15.521	138	139660	7.771	ng	94
63) Azobenzene	15.810	77	745618	9.764	ng	96
65) 4,6-Dinitro-2-methylph...	15.586	198	75136	14.109	ng	95
66) n-Nitrosodiphenylamine	15.727	169	473457	8.556	ng	97
67) 4-Bromophenyl-phenylether	16.410	248	139820	7.955	ng	97
68) Hexachlorobenzene	16.521	284	161878	8.130	ng	91
69) Atrazine	16.674	200	137338	8.980	ng	98
70) Pentachlorophenol	16.862	266	161431	13.986	ng	98
71) Phenanthrene	17.257	178	861981	8.647	ng	99
72) Anthracene	17.345	178	805479	8.410	ng	100
73) Carbazole	17.609	167	802750	8.458	ng	100
74) Di-n-butylphthalate	18.180	149	956476	8.422	ng	99
75) Fluoranthene	19.262	202	855927	7.870	ng	97
77) Benzidine	19.439	184	275492	13.070	ng	99
78) Pyrene	19.621	202	911693	8.351	ng	99
80) Butylbenzylphthalate	20.521	149	340571	8.104	ng	95
81) Benzo(a)anthracene	21.415	228	900015	9.226	ng	99
82) 3,3'-Dichlorobenzidine	21.339	252	242101	9.329	ng	# 98
83) Chrysene	21.480	228	821190	8.900	ng	99
84) Bis(2-ethylhexyl)phtha...	21.356	149	571643	8.683	ng	97
85) Di-n-octyl phthalate	22.497	149	831916	8.933	ng	97
87) Indeno(1,2,3-cd)pyrene	27.879	276	798975	9.519	ng	97
88) Benzo(b)fluoranthene	23.503	252	760836	8.385	ng	98
89) Benzo(k)fluoranthene	23.568	252	803014	8.929	ng	97
90) Benzo(a)pyrene	24.315	252	685001	9.210	ng	# 97
91) Dibenzo(a,h)anthracene	27.932	278	646031	9.149	ng	98
92) Benzo(g,h,i)perylene	28.932	276	610970	8.857	ng	# 93

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

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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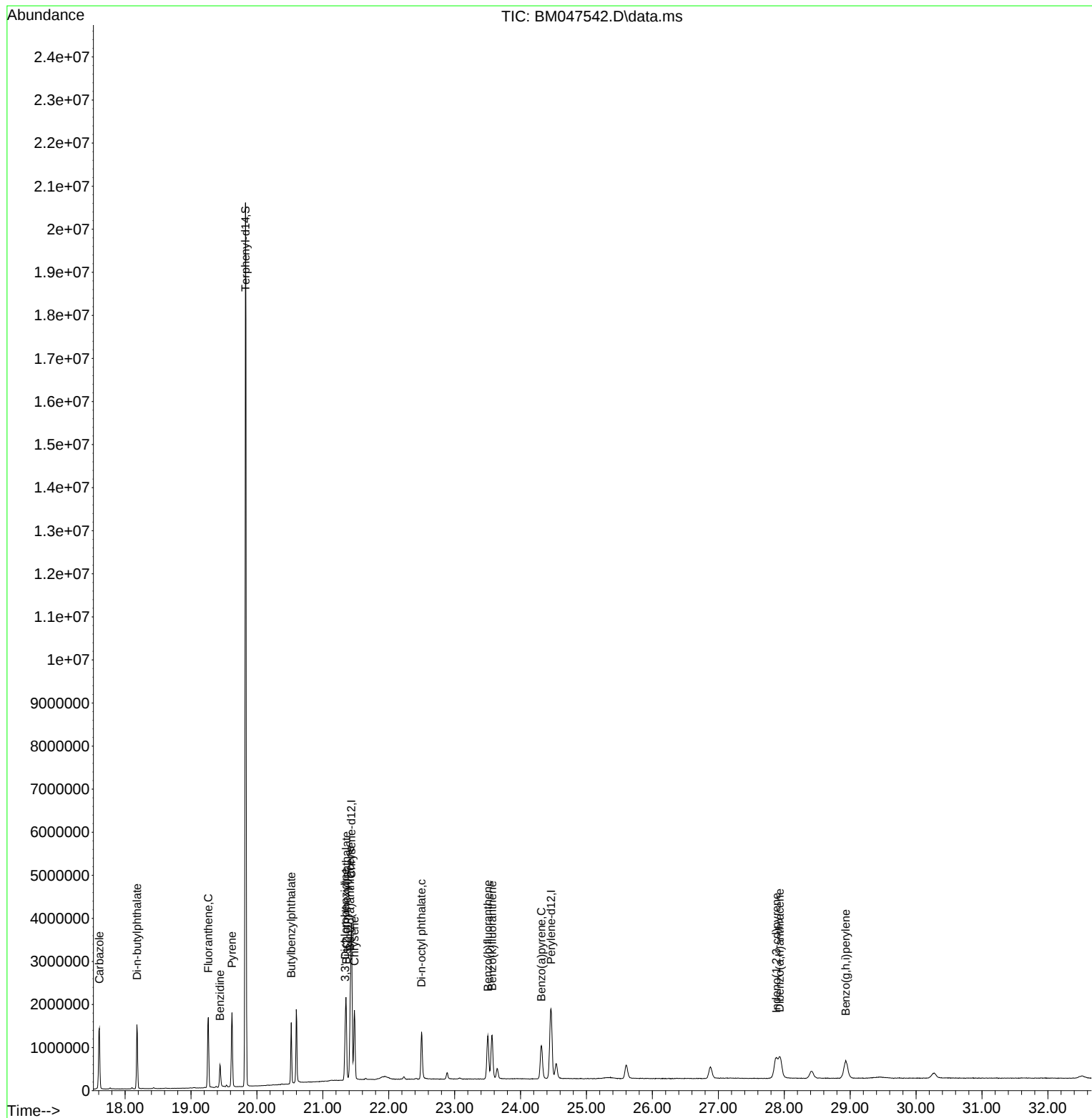
Quant Time: Sep 17 13:57:36 2024
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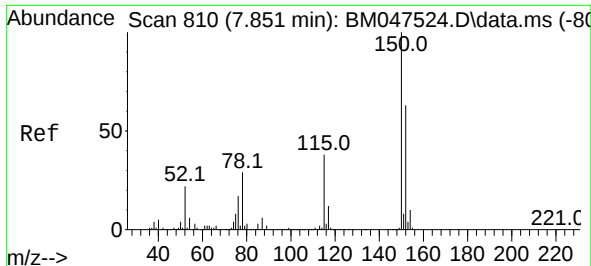


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Instrument :
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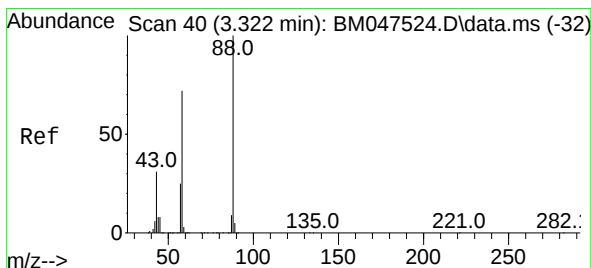
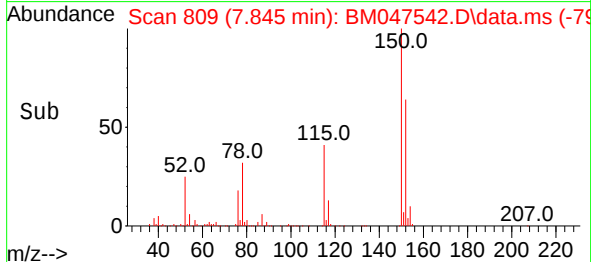
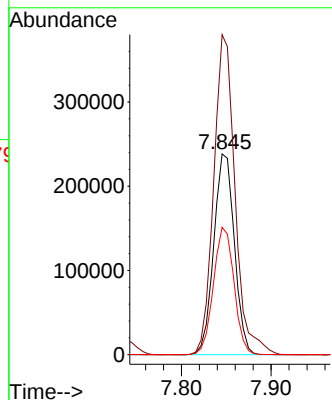
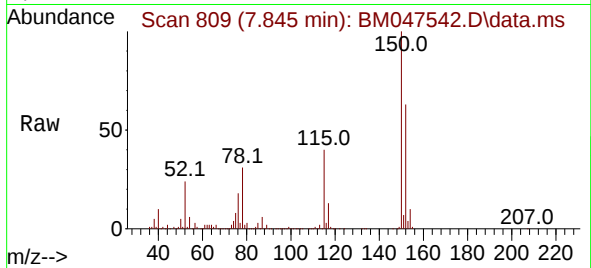




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

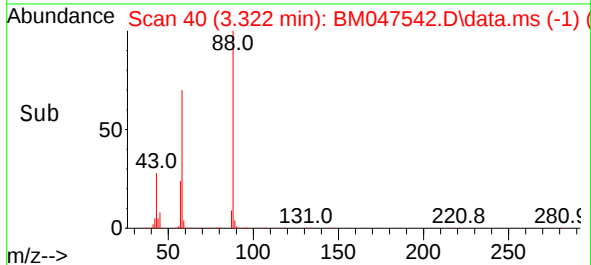
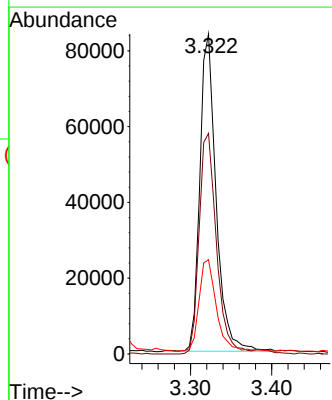
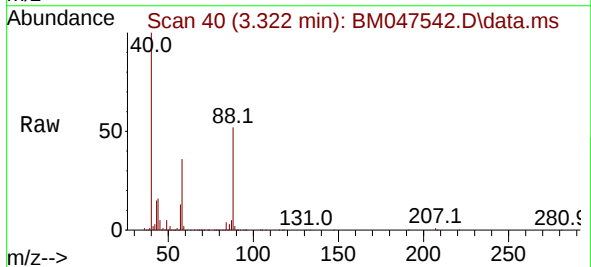
Instrument :
BNA_M
ClientSampleId :
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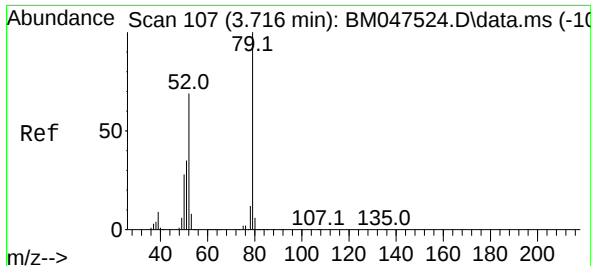
Tgt Ion:152 Resp: 380364
Ion Ratio Lower Upper
152 100
150 159.3 126.8 190.2
115 63.4 47.8 71.8



#2
1,4-Dioxane
Concen: 11.424 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

Tgt Ion: 88 Resp: 116892
Ion Ratio Lower Upper
88 100
58 74.0 59.0 88.6
43 31.0 25.0 37.4

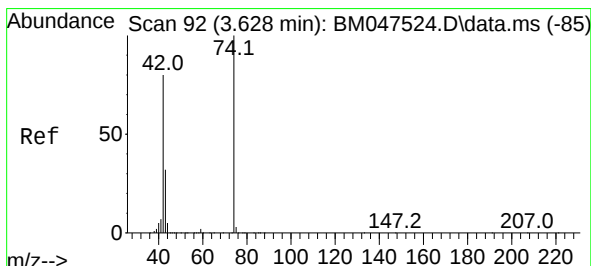
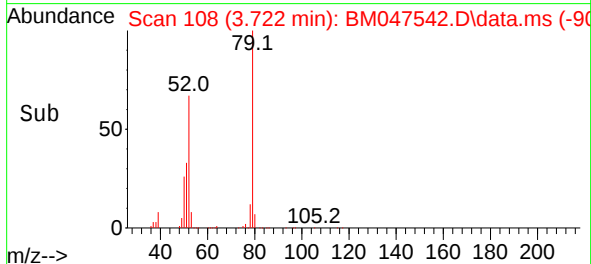
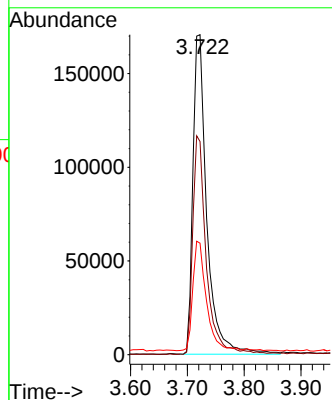
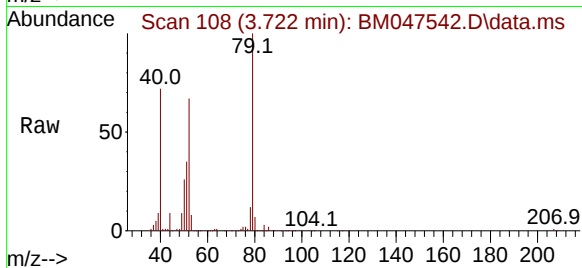




#3
Pyridine
Concen: 9.570 ng
RT: 3.722 min Scan# 107
Delta R.T. 0.006 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

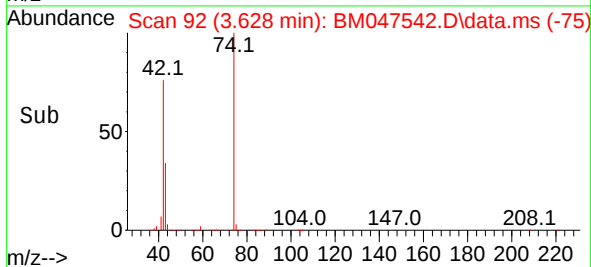
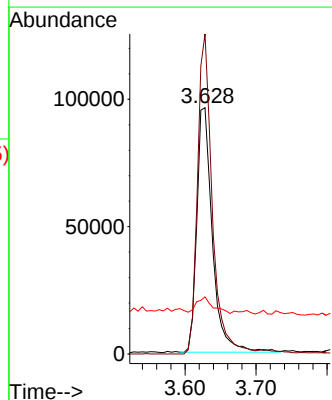
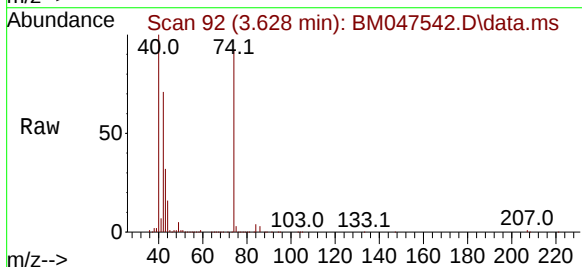
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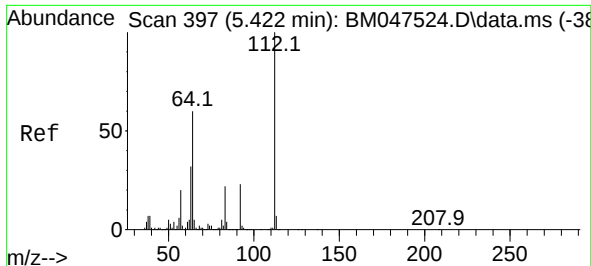
Tgt Ion: 79 Resp: 291488
Ion Ratio Lower Upper
79 100
52 66.6 55.4 83.0
51 34.9 27.9 41.9



#4
n-Nitrosodimethylamine
Concen: 10.595 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

Tgt Ion: 42 Resp: 146416
Ion Ratio Lower Upper
42 100
74 130.0 100.5 150.7
44 23.2 6.9 10.3#

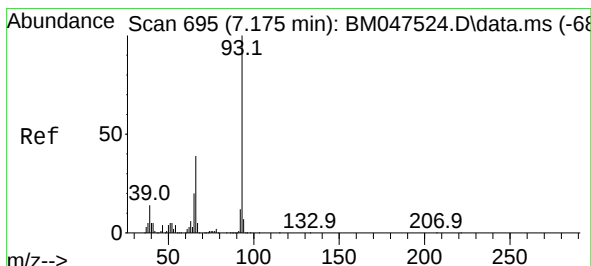
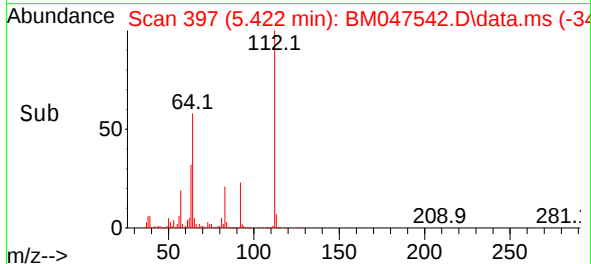
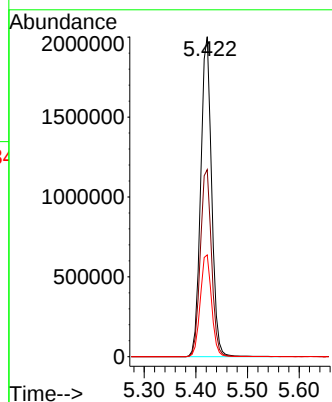
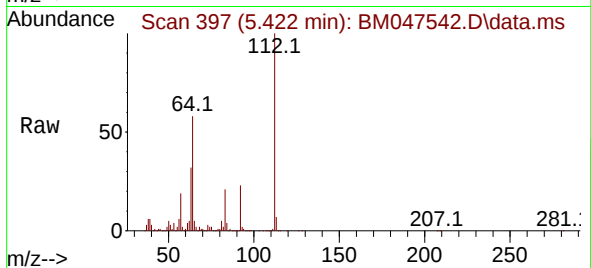




#5
2-Fluorophenol
Concen: 122.905 ng
RT: 5.422 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM047542.D
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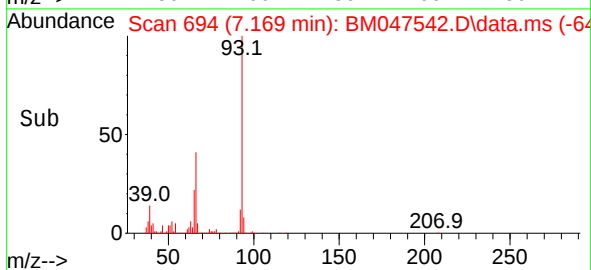
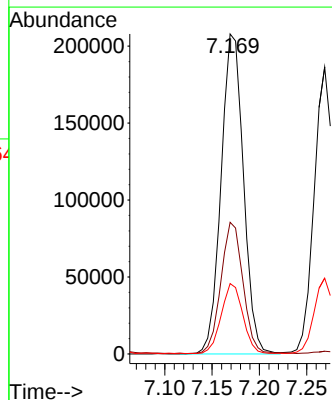
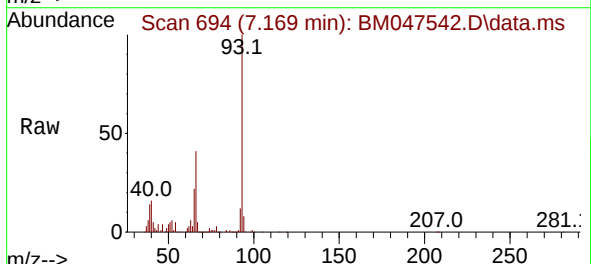
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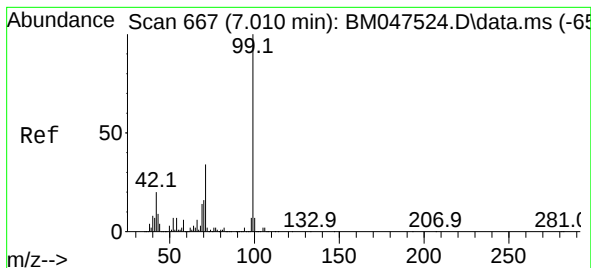
Tgt Ion:112 Resp: 2936075
Ion Ratio Lower Upper
112 100
64 58.5 48.2 72.4
63 31.8 26.0 39.0



#6
Aniline
Concen: 11.480 ng
RT: 7.169 min Scan# 694
Delta R.T. -0.006 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

Tgt Ion: 93 Resp: 342409
Ion Ratio Lower Upper
93 100
66 41.2 31.4 47.0
65 22.0 16.3 24.5





#7

Phenol-d6

Concen: 119.982 ng

RT: 7.010 min Scan# 6

Delta R.T. 0.000 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

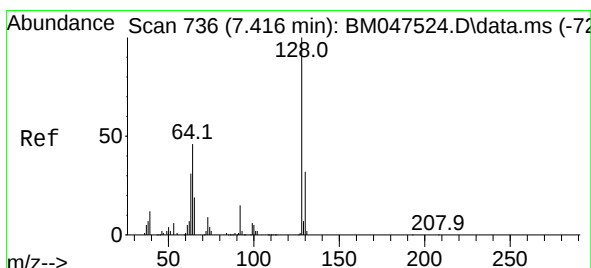
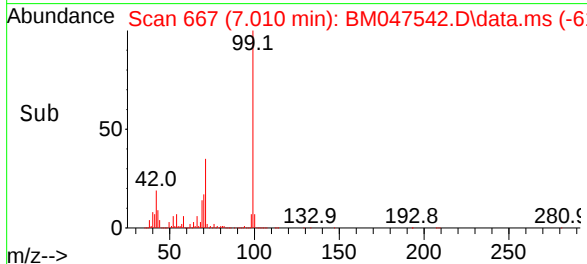
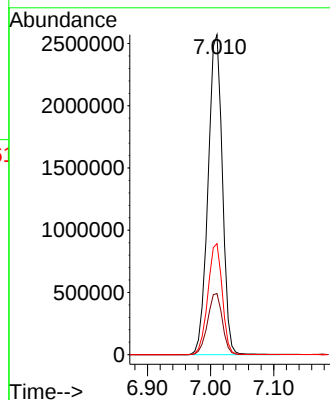
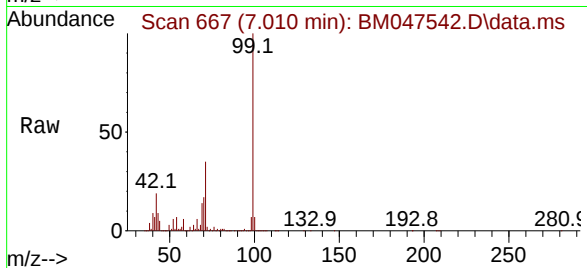
BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion: 99 Resp: 4036487

Ion	Ratio	Lower	Upper
99	100		
42	19.1	15.8	23.8
71	34.7	27.6	41.4



#8

2-Chlorophenol

Concen: 9.668 ng

RT: 7.410 min Scan# 735

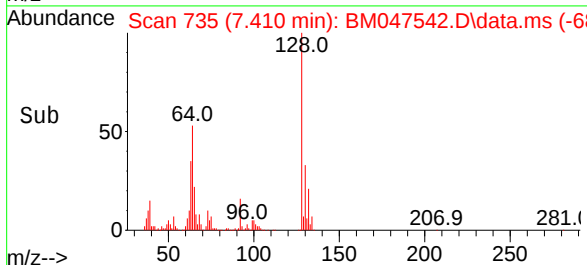
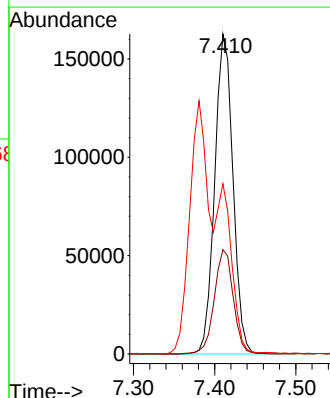
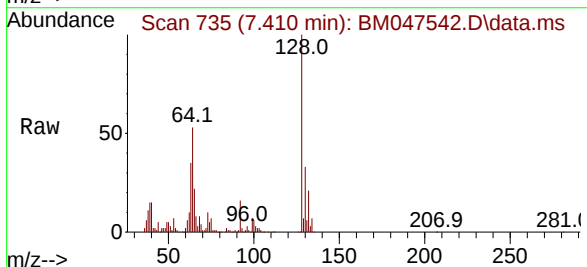
Delta R.T. -0.006 min

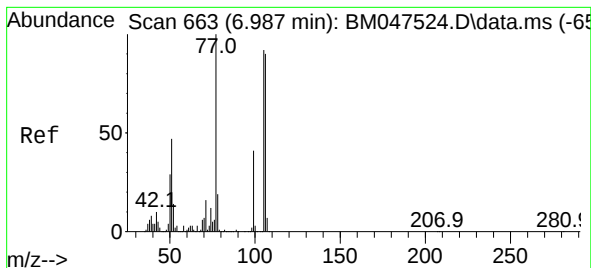
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Tgt Ion:128 Resp: 254615

Ion	Ratio	Lower	Upper
128	100		
130	32.6	11.8	51.8
64	53.2	27.6	67.6





#9

Benzaldehyde

Concen: 16.734 ng

RT: 6.987 min Scan# 663

Delta R.T. 0.000 min

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Instrument :

BNA_M

ClientSampleId :

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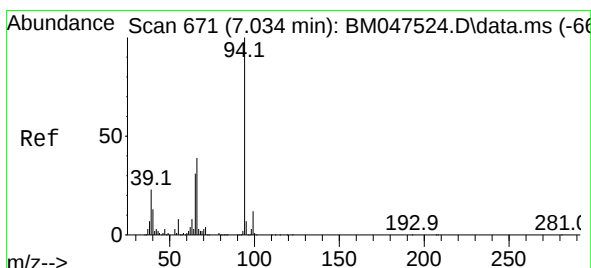
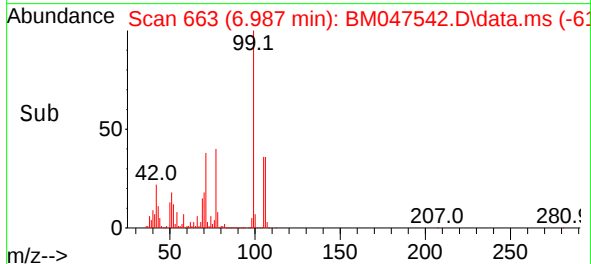
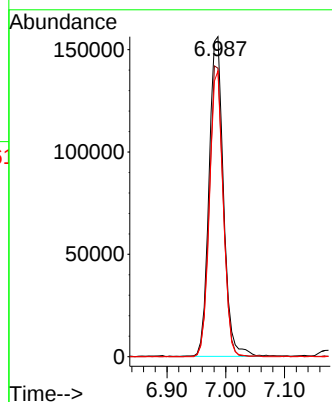
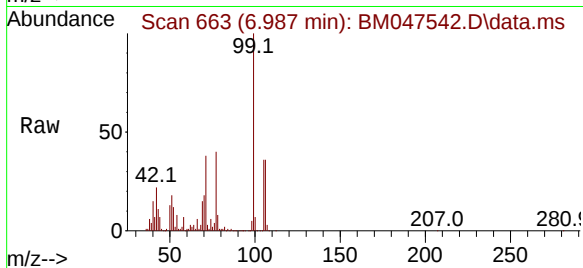
Tgt Ion: 77 Resp: 267692

Ion Ratio Lower Upper

77 100

105 90.2 71.8 111.8

106 89.3 69.7 109.7



#10

Phenol

Concen: 9.869 ng

RT: 7.034 min Scan# 671

Delta R.T. 0.000 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

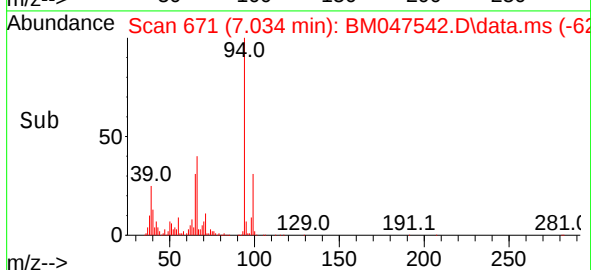
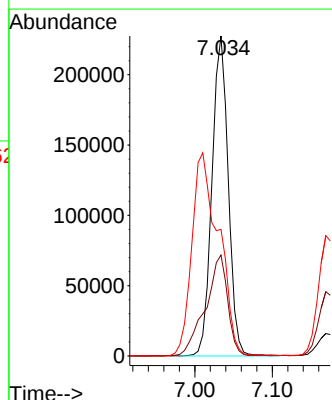
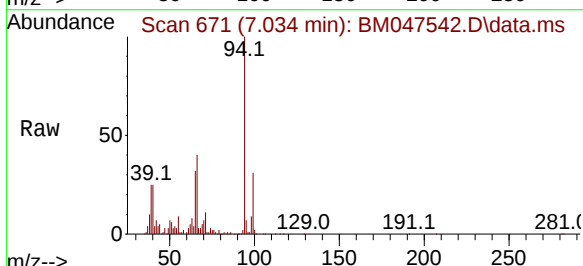
Tgt Ion: 94 Resp: 332449

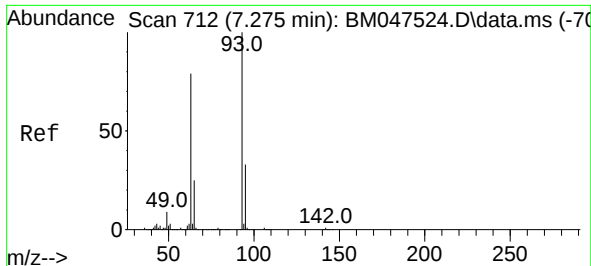
Ion Ratio Lower Upper

94 100

65 31.5 10.8 50.8

66 39.5 19.2 59.2





#11

bis(2-Chloroethyl)ether

Concen: 10.066 ng

RT: 7.269 min Scan# 712

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

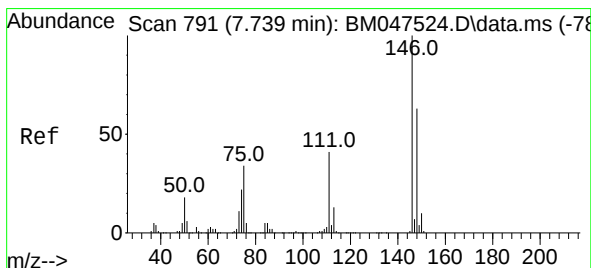
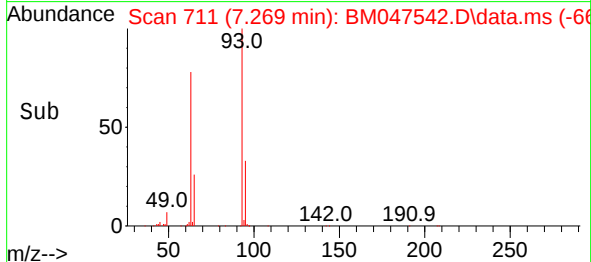
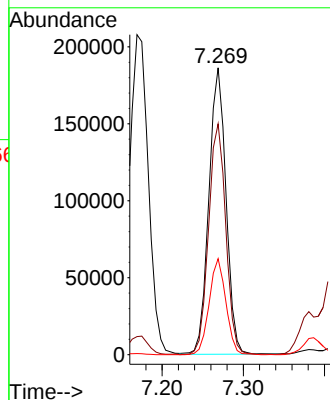
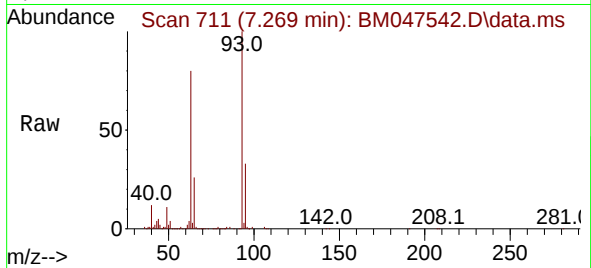
Tgt Ion: 93 Resp: 272223

Ion Ratio Lower Upper

93 100

63 80.5 58.2 98.2

95 33.5 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 9.315 ng

RT: 7.739 min Scan# 791

Delta R.T. 0.000 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

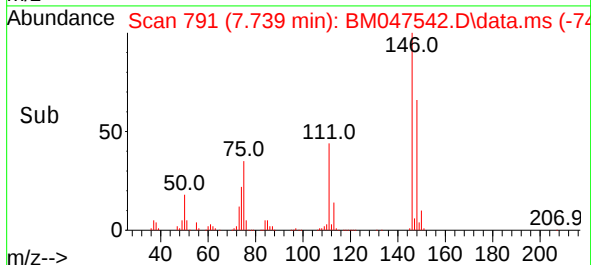
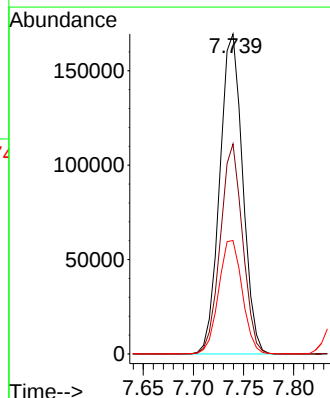
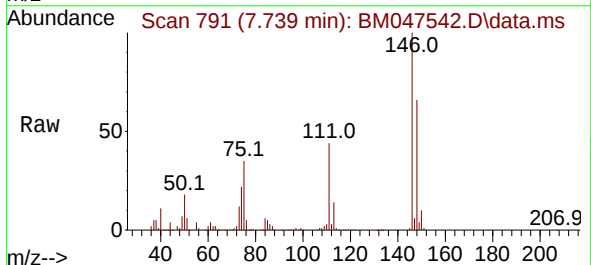
Tgt Ion:146 Resp: 268505

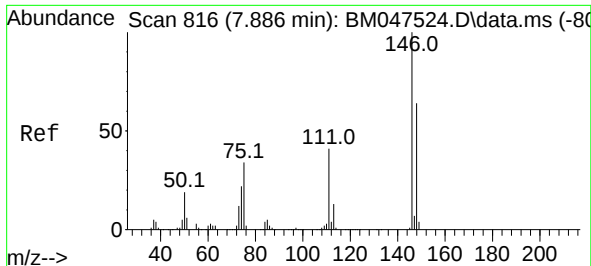
Ion Ratio Lower Upper

146 100

148 65.7 50.2 75.4

75 35.5 27.4 41.0

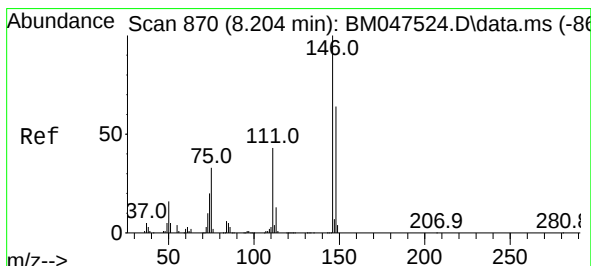
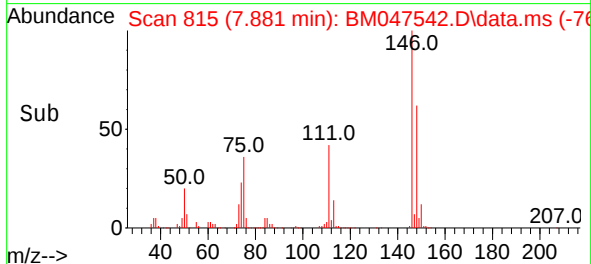
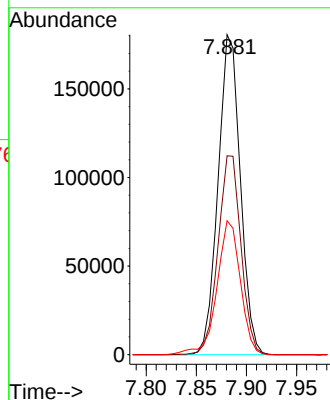
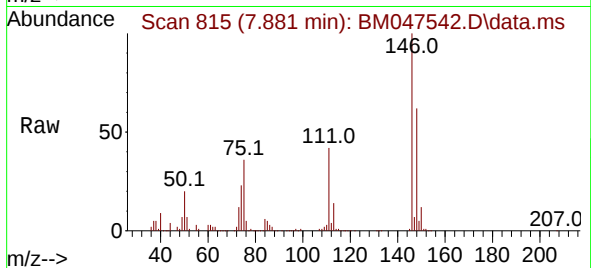




#13
1,4-Dichlorobenzene
Concen: 9.480 ng
RT: 7.881 min Scan# 816
Delta R.T. -0.006 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

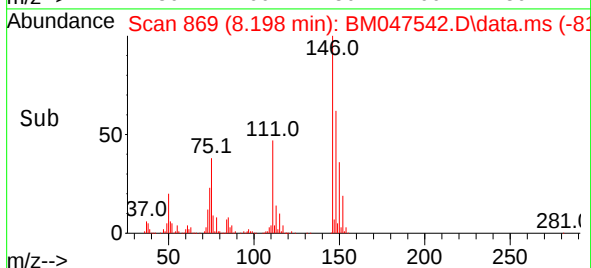
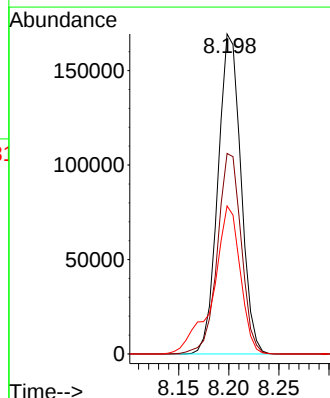
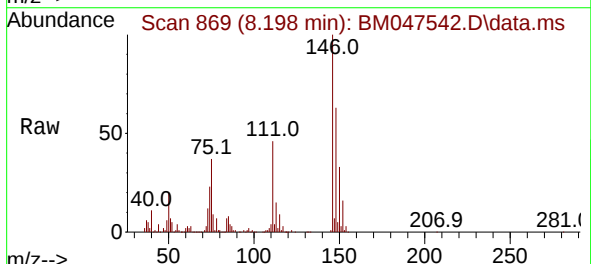
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

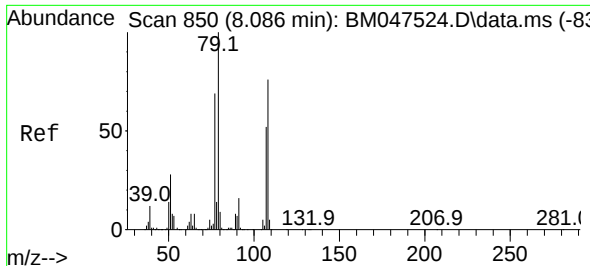
Tgt Ion:146 Resp: 278327
Ion Ratio Lower Upper
146 100
148 62.1 51.3 76.9
111 41.9 32.9 49.3



#14
1,2-Dichlorobenzene
Concen: 9.333 ng
RT: 8.198 min Scan# 869
Delta R.T. -0.006 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

Tgt Ion:146 Resp: 269660
Ion Ratio Lower Upper
146 100
148 62.7 51.1 76.7
111 46.3 34.7 52.1

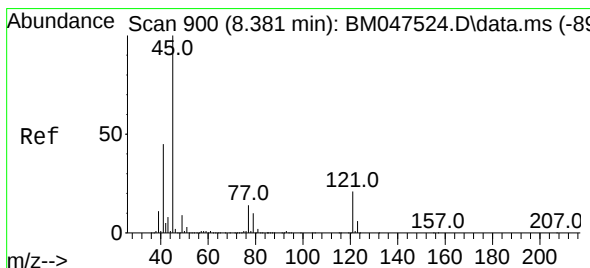
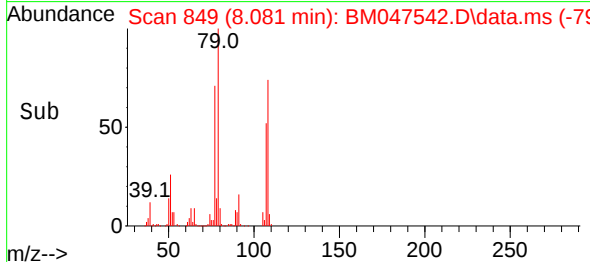
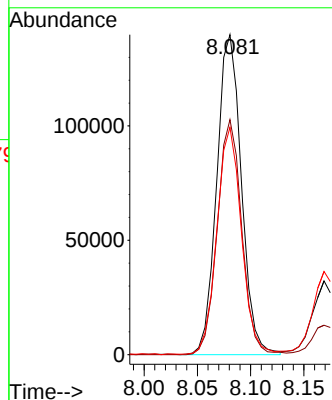
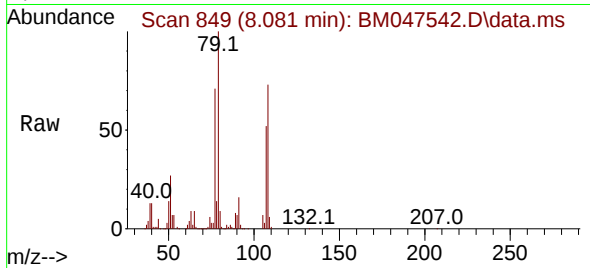




#15
Benzyl Alcohol
Concen: 9.860 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.006 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

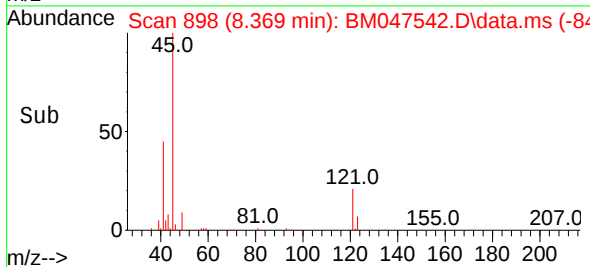
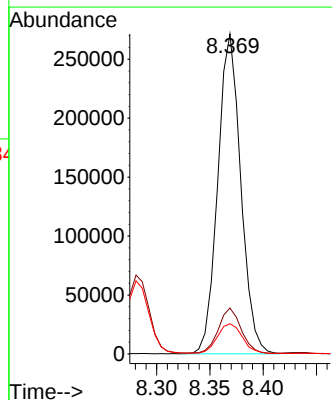
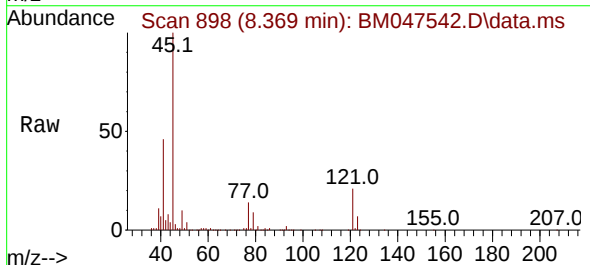
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

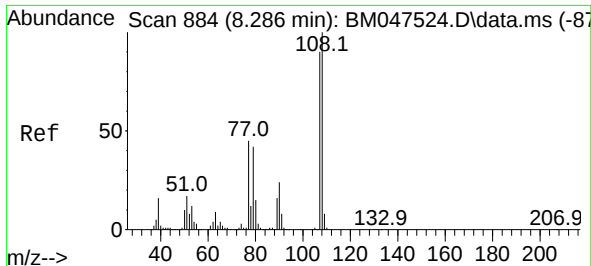
Tgt Ion: 79 Resp: 224702
Ion Ratio Lower Upper
79 100
108 73.5 60.6 91.0
77 71.1 55.0 82.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.697 ng
RT: 8.369 min Scan# 898
Delta R.T. -0.012 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

Tgt Ion: 45 Resp: 406946
Ion Ratio Lower Upper
45 100
77 14.4 0.0 33.7
79 9.5 0.0 30.3

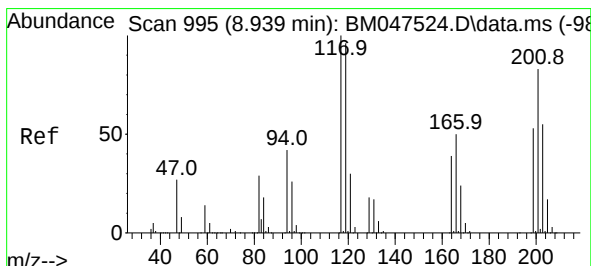
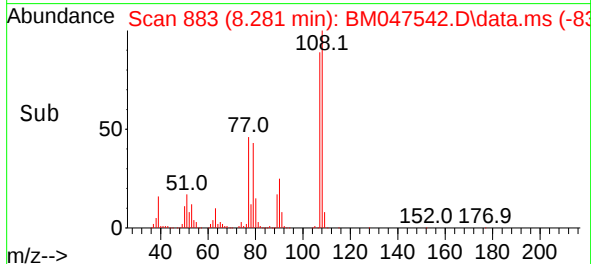
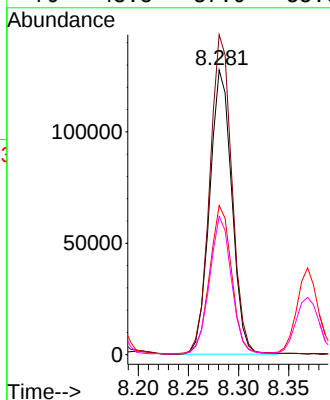
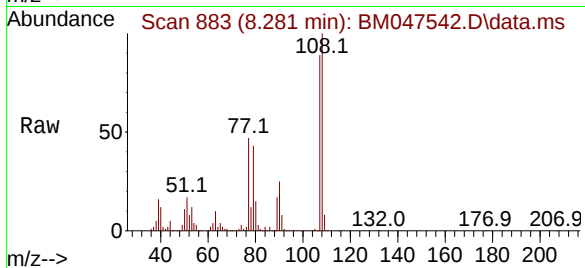




#17
2-Methylphenol
Concen: 9.142 ng
RT: 8.281 min Scan# 884
Delta R.T. -0.006 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

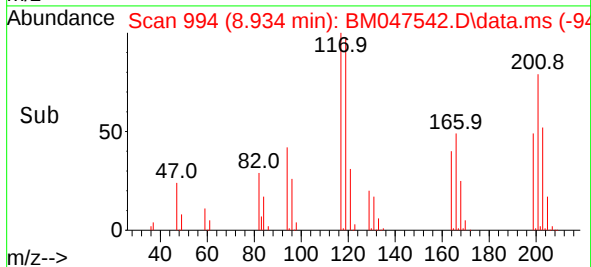
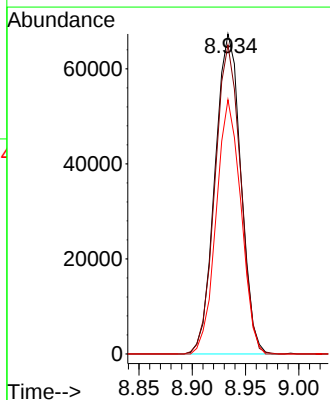
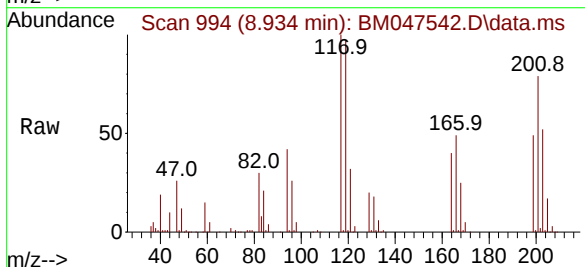
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

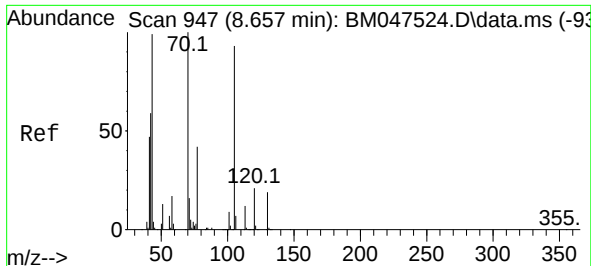
Tgt Ion:	107	Resp:	196722
Ion	Ratio	Lower	Upper
107	100		
108	112.3	88.9	133.3
77	52.3	39.8	59.8
79	48.5	37.0	55.6



#18
Hexachloroethane
Concen: 9.701 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

Tgt Ion:	117	Resp:	113776
Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.0	115.4
201	79.5	66.8	100.2





#19

n-Nitroso-di-n-propylamine

Concen: 9.552 ng

RT: 8.651 min Scan# 947

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion: 70 Resp: 216667

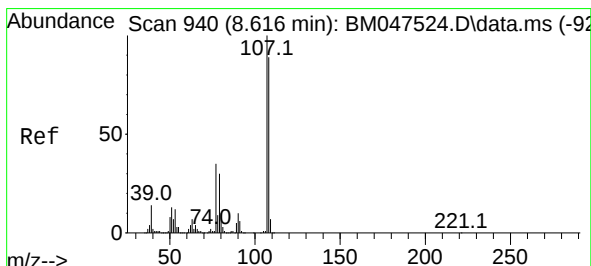
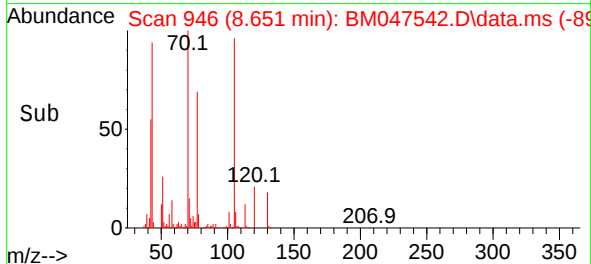
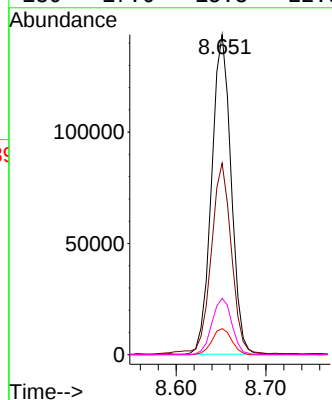
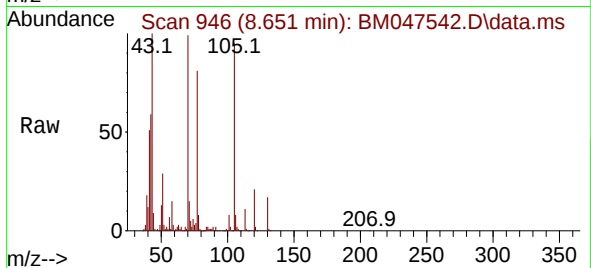
Ion Ratio Lower Upper

70 100

42 59.9 48.2 72.2

101 8.2 7.0 10.4

130 17.6 15.3 22.9



#20

3+4-Methylphenols

Concen: 8.980 ng

RT: 8.610 min Scan# 939

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Tgt Ion: 107 Resp: 269642

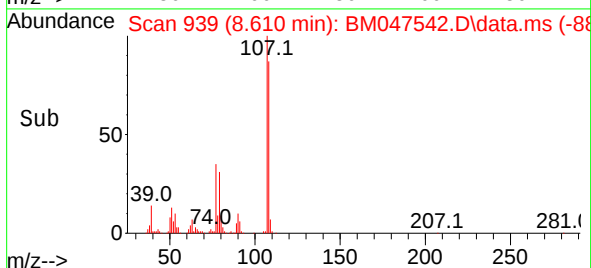
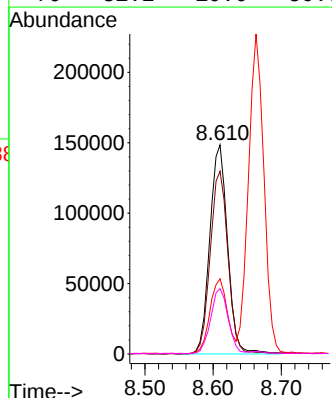
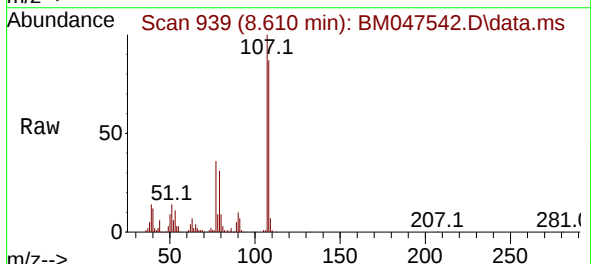
Ion Ratio Lower Upper

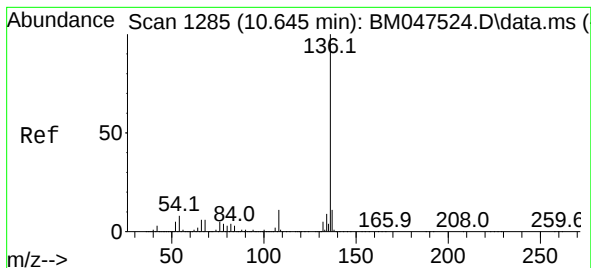
107 100

108 87.4 68.9 108.9

77 35.9 15.5 55.5

79 31.2 10.0 50.0



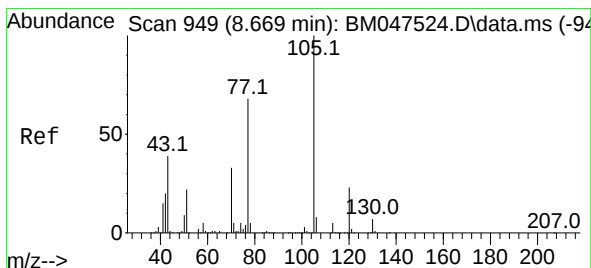
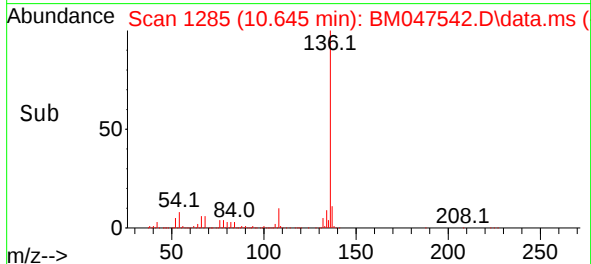
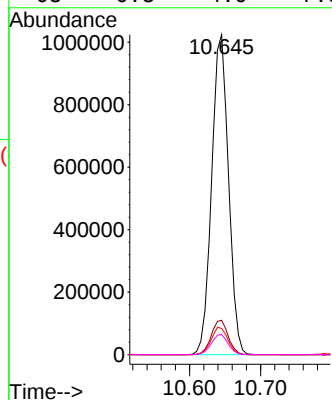
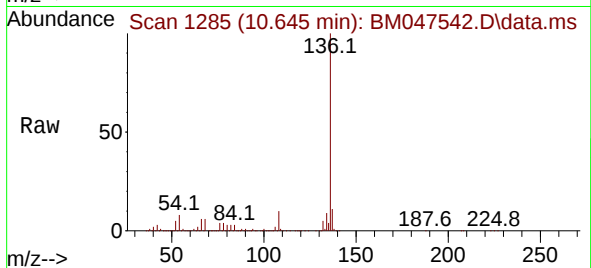


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:136 Resp: 1684559

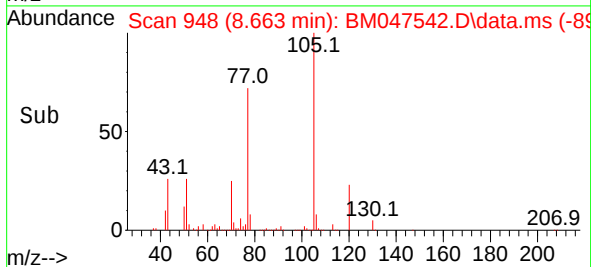
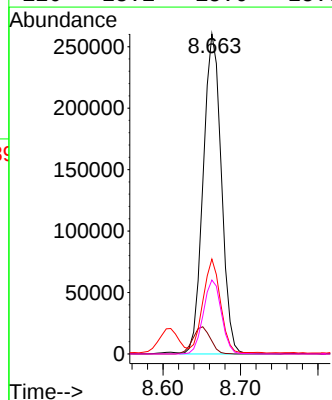
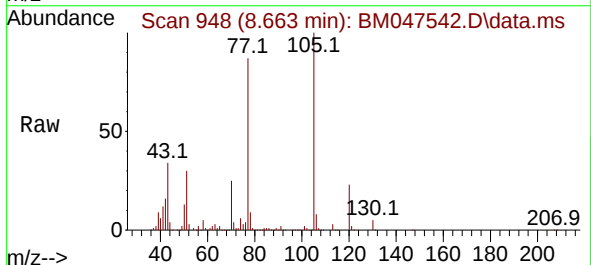
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	8.2	6.6	9.8
68	6.3	4.9	7.3

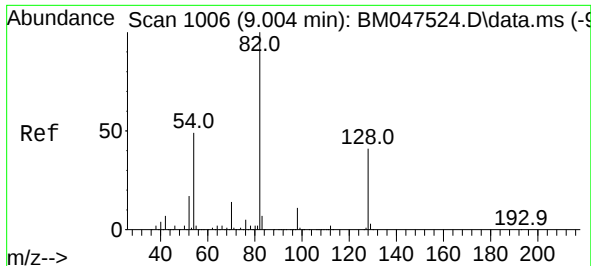


#22
Acetophenone
Concen: 9.572 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

Tgt Ion:105 Resp: 423906

Ion	Ratio	Lower	Upper
105	100		
71	4.1	4.3	6.5#
51	29.6	21.5	32.3
120	23.1	18.6	28.0





#23

Nitrobenzene-d5

Concen: 85.214 ng

RT: 8.998 min Scan# 1005

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

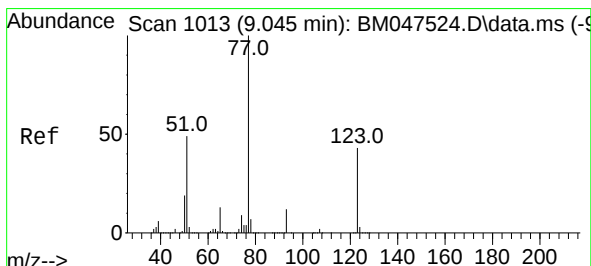
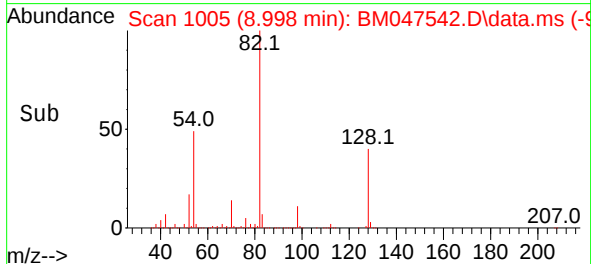
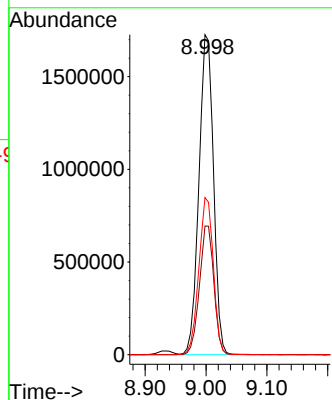
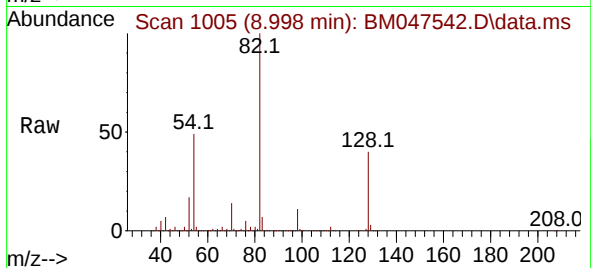
Tgt Ion: 82 Resp: 2868328

Ion Ratio Lower Upper

82 100

128 40.2 33.0 49.4

54 49.1 39.3 58.9



#24

Nitrobenzene

Concen: 9.663 ng

RT: 9.039 min Scan# 1012

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

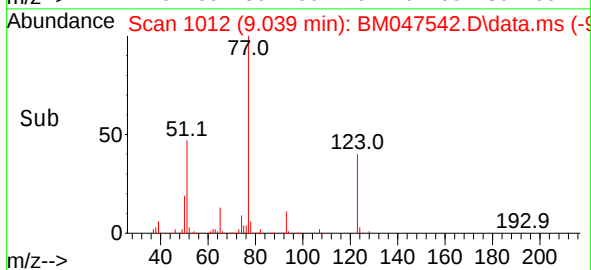
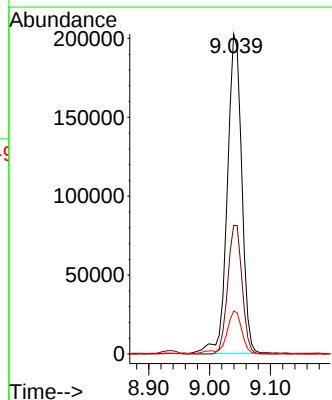
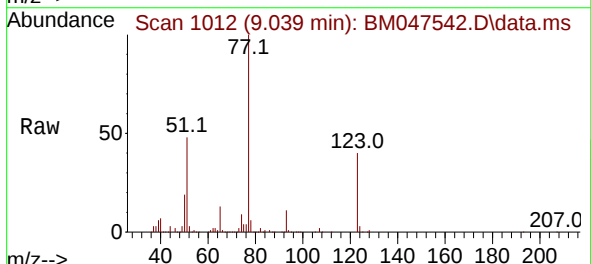
Tgt Ion: 77 Resp: 334227

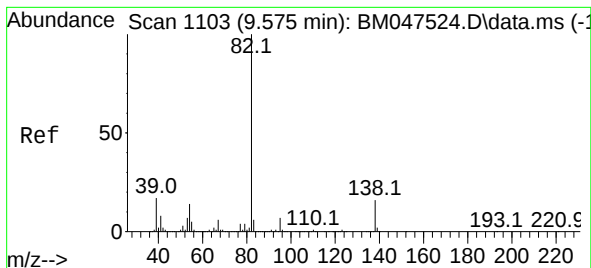
Ion Ratio Lower Upper

77 100

123 40.2 34.5 51.7

65 13.4 10.7 16.1





#25

Isophorone

Concen: 9.652 ng

RT: 9.569 min Scan# 1102

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

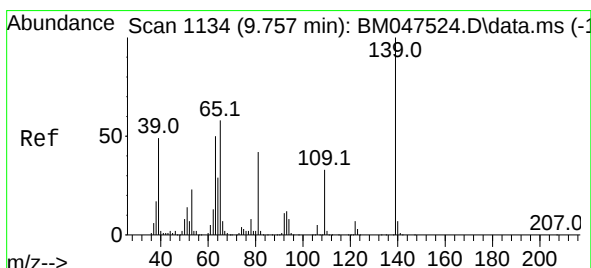
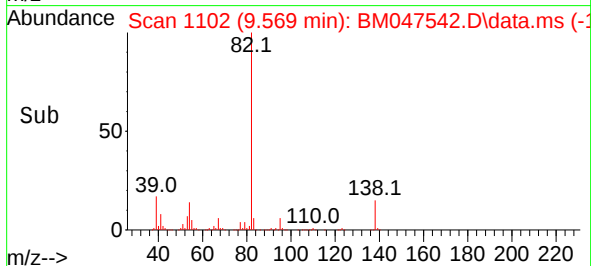
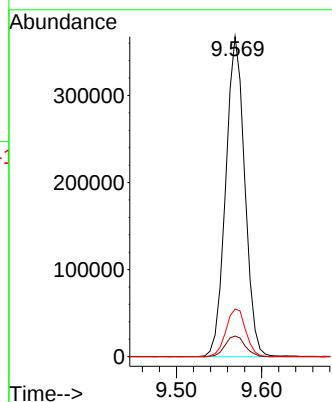
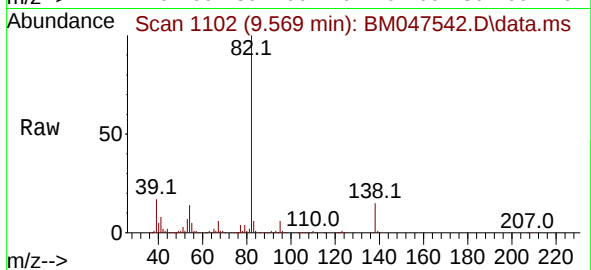
Tgt Ion: 82 Resp: 571156

Ion Ratio Lower Upper

82 100

95 6.4 5.4 8.0

138 14.9 12.9 19.3



#26

2-Nitrophenol

Concen: 7.993 ng

RT: 9.751 min Scan# 1133

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

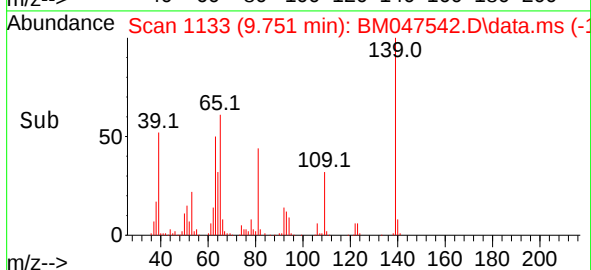
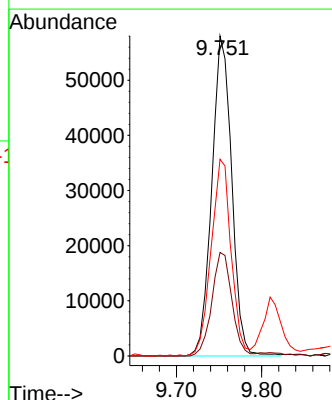
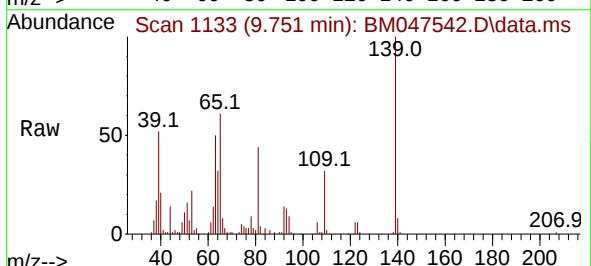
Tgt Ion:139 Resp: 94209

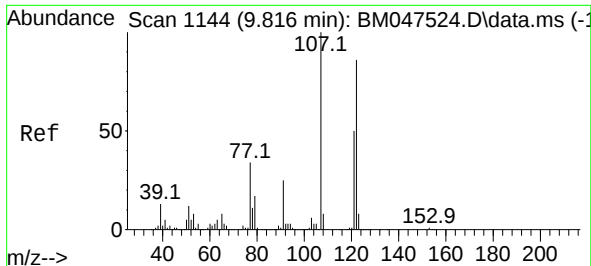
Ion Ratio Lower Upper

139 100

109 32.4 26.0 39.0

65 61.5 46.2 69.4





#27

2,4-Dimethylphenol

Concen: 7.292 ng

RT: 9.810 min Scan# 1143

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

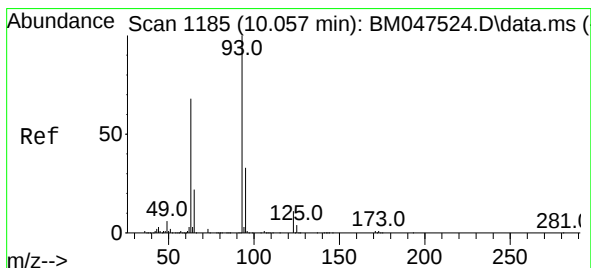
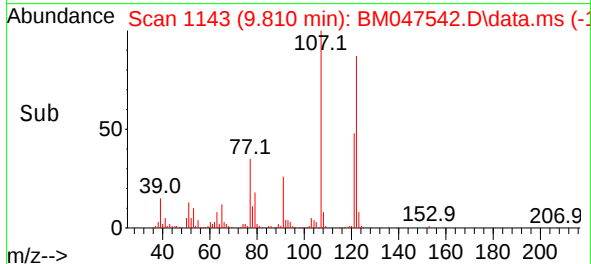
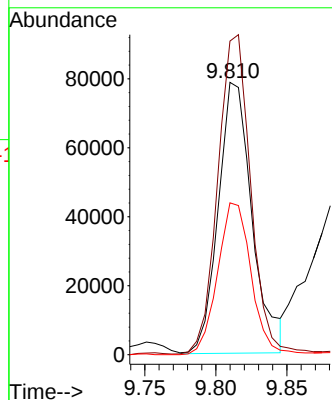
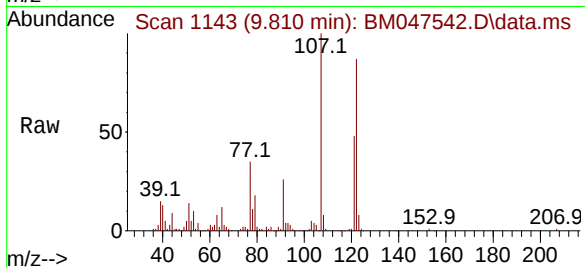
Tgt Ion:122 Resp: 130284

Ion Ratio Lower Upper

122 100

107 115.2 92.4 138.6

121 55.7 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 9.558 ng

RT: 10.051 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

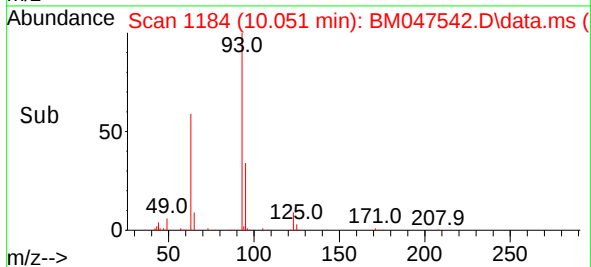
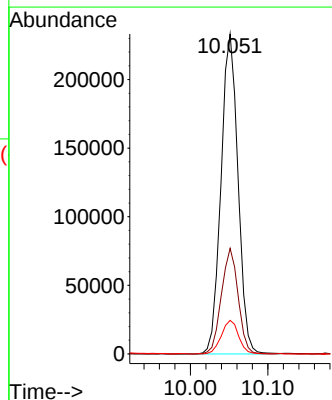
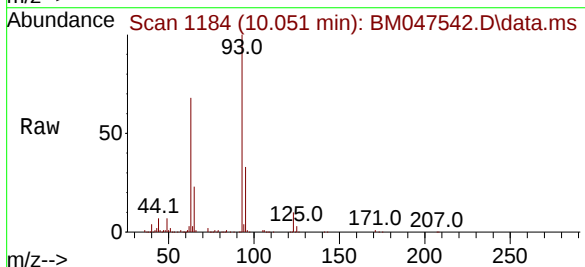
Tgt Ion: 93 Resp: 355277

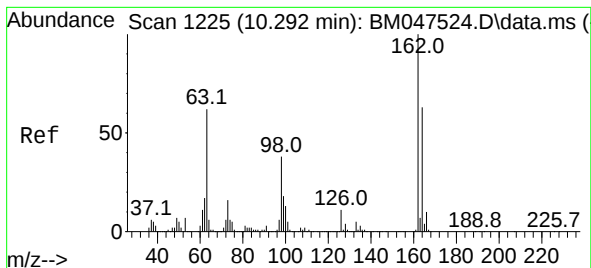
Ion Ratio Lower Upper

93 100

95 33.0 26.2 39.2

123 10.5 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 8.546 ng

RT: 10.286 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

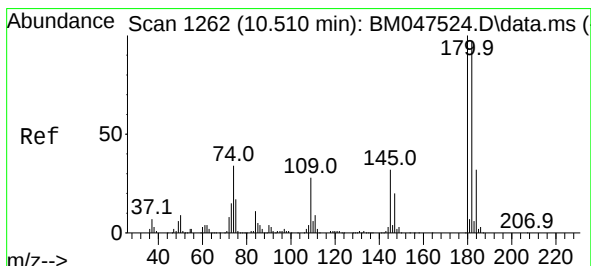
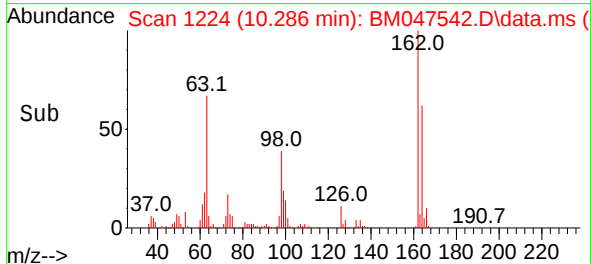
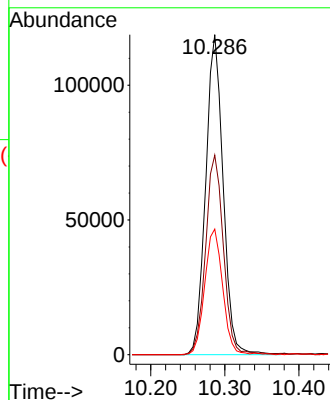
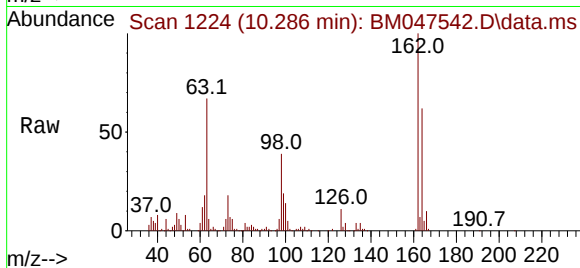
Tgt Ion:162 Resp: 193981

Ion Ratio Lower Upper

162 100

164 62.4 43.5 83.5

98 39.2 17.6 57.6



#30

1,2,4-Trichlorobenzene

Concen: 8.635 ng

RT: 10.504 min Scan# 1261

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

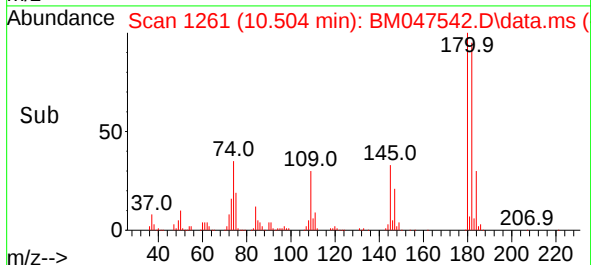
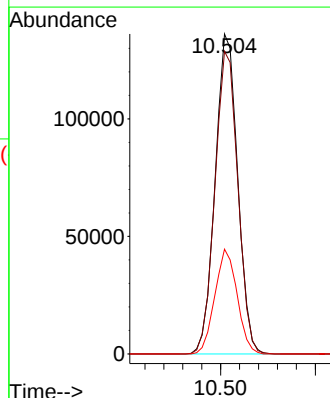
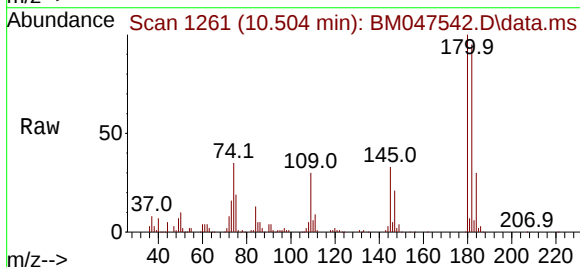
Tgt Ion:180 Resp: 224527

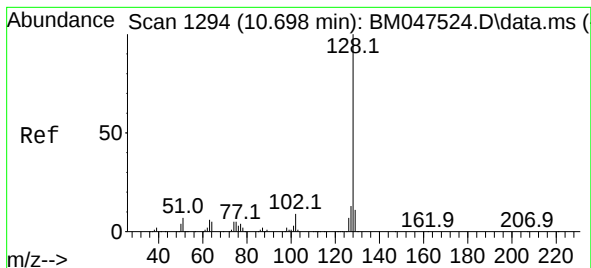
Ion Ratio Lower Upper

180 100

182 94.5 77.6 116.4

145 32.8 25.4 38.0





#31

Naphthalene

Concen: 8.935 ng

RT: 10.692 min Scan# 1159

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

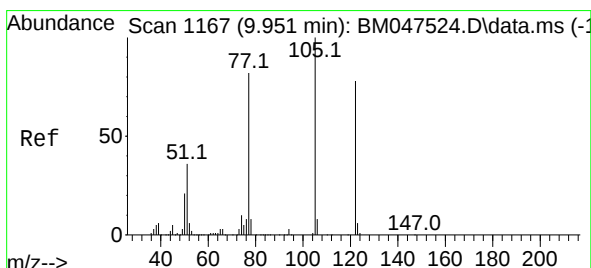
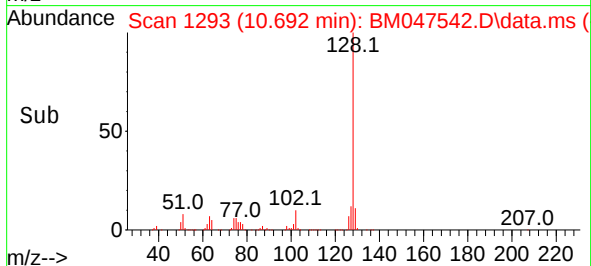
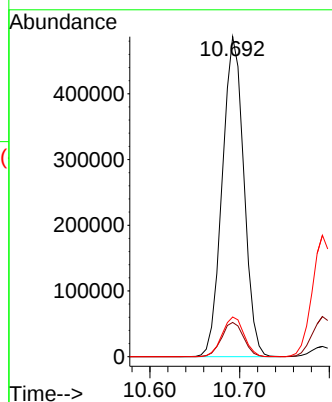
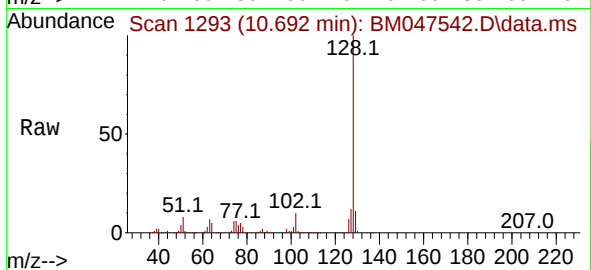
Tgt Ion:128 Resp: 812913

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

127 12.4 10.5 15.7



#32

Benzoic acid

Concen: 14.922 ng

RT: 9.904 min Scan# 1159

Delta R.T. -0.047 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

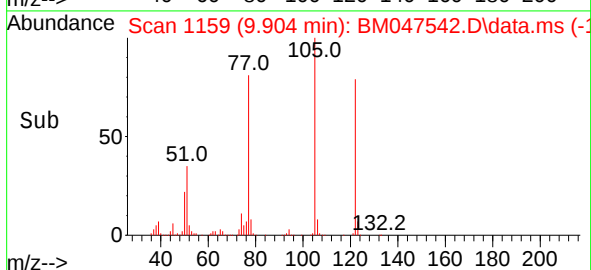
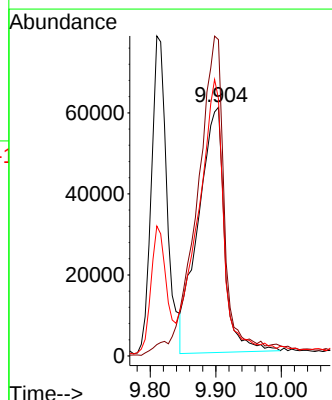
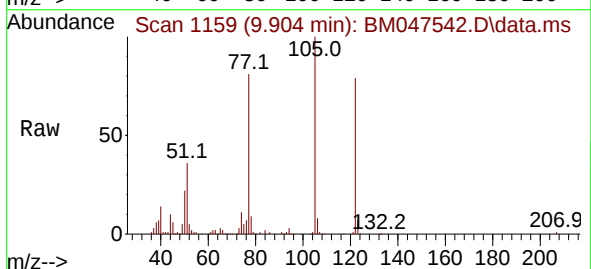
Tgt Ion:122 Resp: 168323

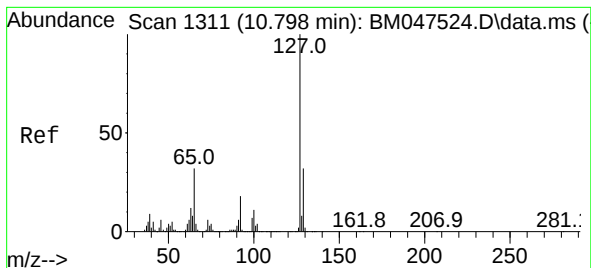
Ion Ratio Lower Upper

122 100

105 127.2 104.7 144.7

77 103.5 83.4 123.4





#33

4-Chloroaniline

Concen: 9.535 ng

RT: 10.792 min Scan# 1311

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:127 Resp: 313646

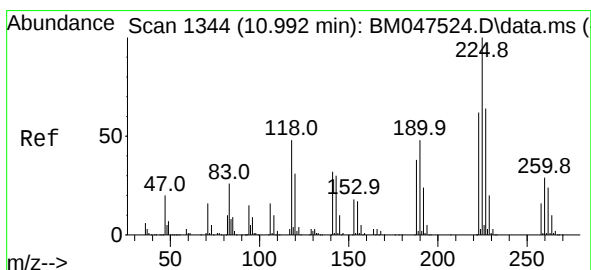
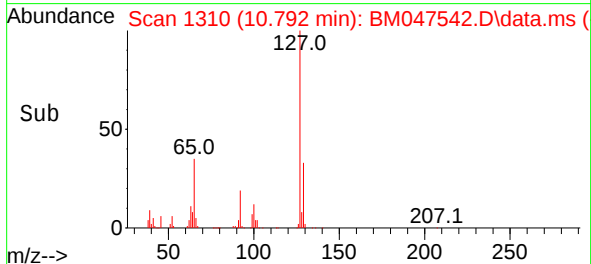
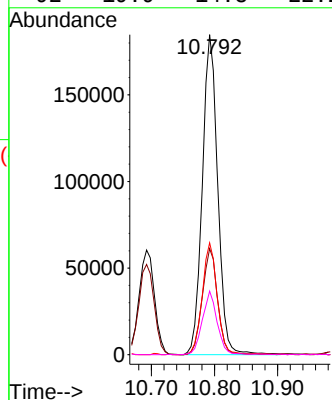
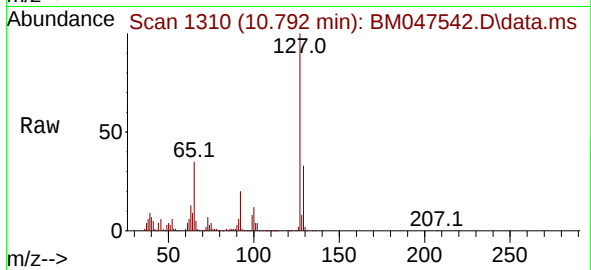
Ion Ratio Lower Upper

127 100

129 33.1 25.4 38.0

65 34.9 25.5 38.3

92 19.9 14.8 22.2



#34

Hexachlorobutadiene

Concen: 8.235 ng

RT: 10.986 min Scan# 1343

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

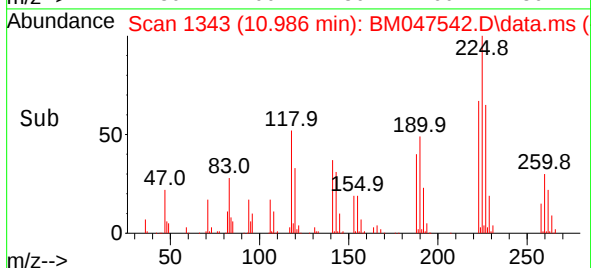
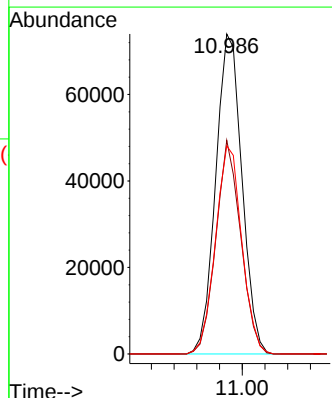
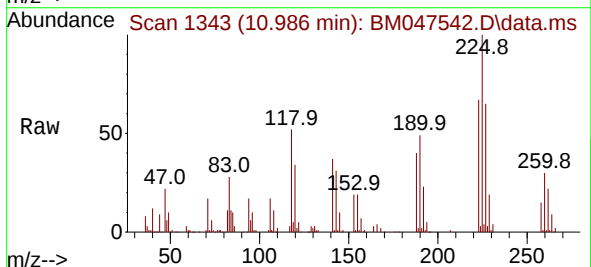
Tgt Ion:225 Resp: 118601

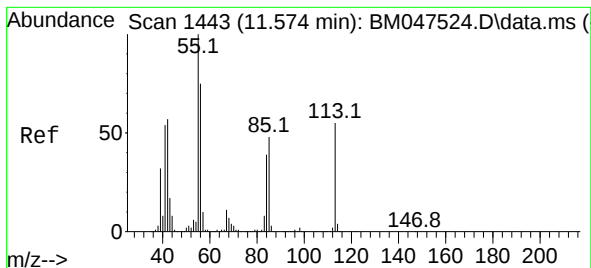
Ion Ratio Lower Upper

225 100

223 66.7 49.8 74.6

227 65.0 51.0 76.4





#35

Caprolactam

Concen: 8.659 ng

RT: 11.551 min Scan# 1443

Delta R.T. -0.023 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

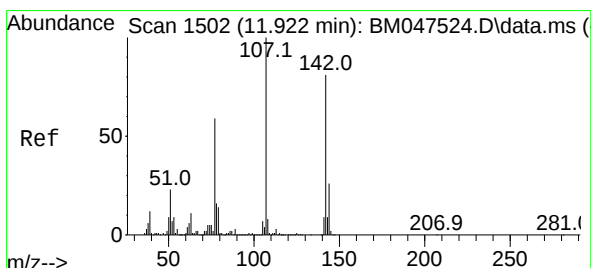
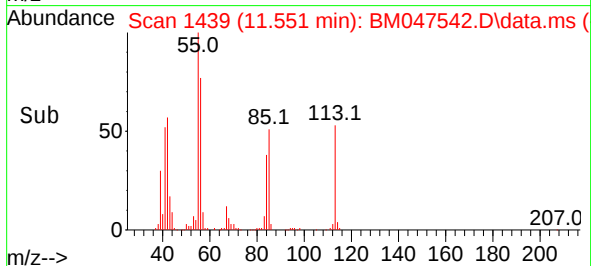
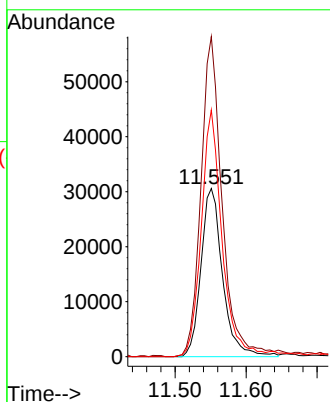
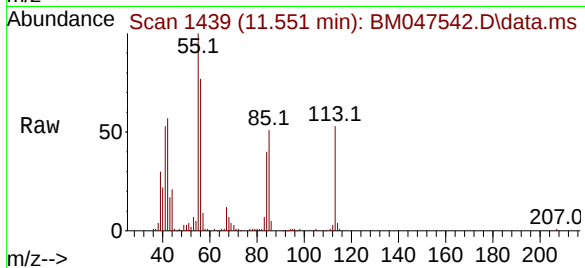
Tgt Ion:113 Resp: 64740

Ion Ratio Lower Upper

113 100

55 190.2 162.5 202.5

56 146.7 116.5 156.5



#36

4-Chloro-3-methylphenol

Concen: 8.576 ng

RT: 11.916 min Scan# 1501

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

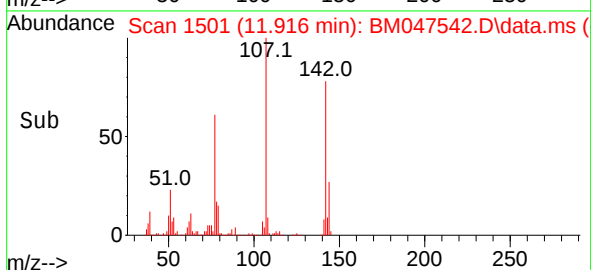
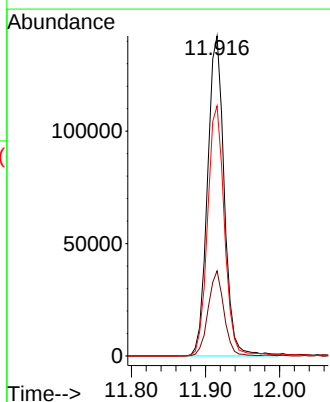
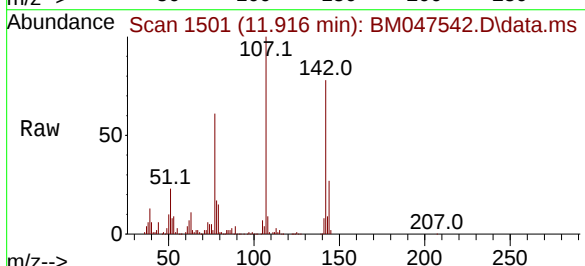
Tgt Ion:107 Resp: 223090

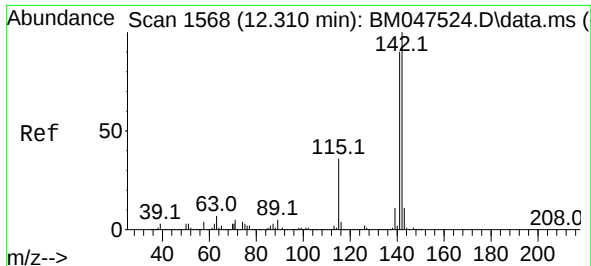
Ion Ratio Lower Upper

107 100

144 26.6 20.5 30.7

142 78.2 65.0 97.4





#37

2-Methylnaphthalene

Concen: 8.577 ng

RT: 12.304 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

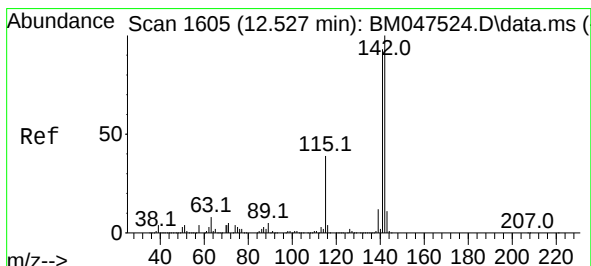
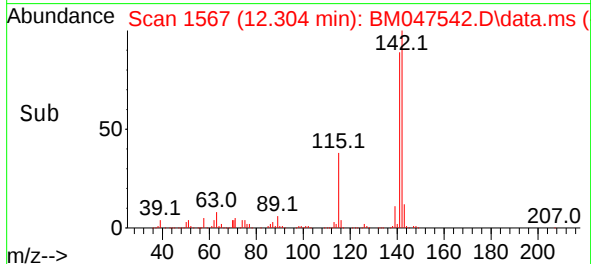
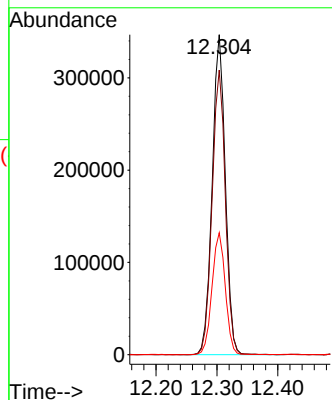
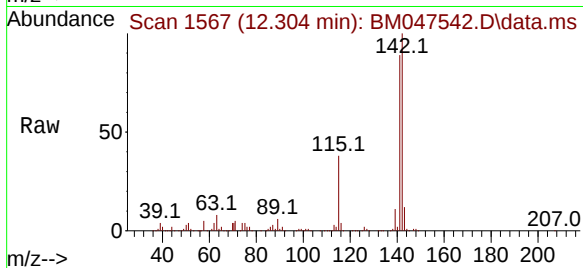
Tgt Ion:142 Resp: 519382

Ion Ratio Lower Upper

142 100

141 88.9 72.2 108.4

115 38.1 29.1 43.7



#38

1-Methylnaphthalene

Concen: 8.059 ng

RT: 12.522 min Scan# 1604

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

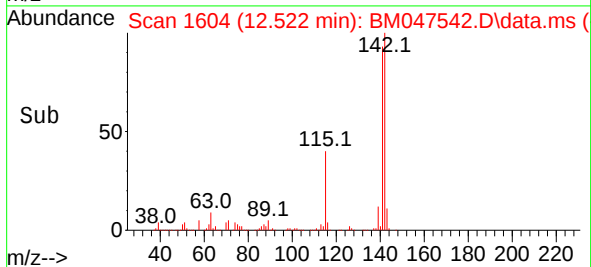
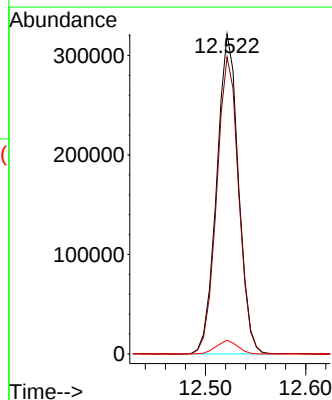
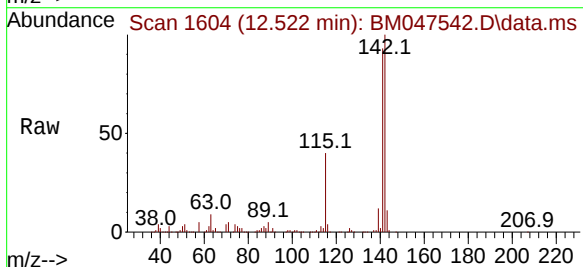
Tgt Ion:142 Resp: 484934

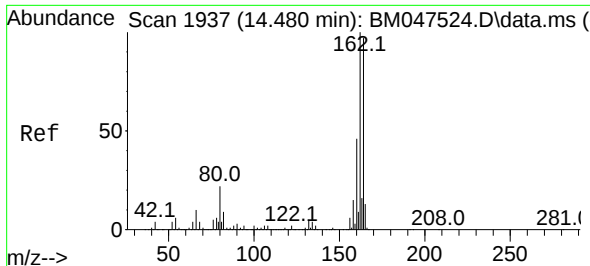
Ion Ratio Lower Upper

142 100

141 92.7 74.7 112.1

116 4.3 3.2 4.8

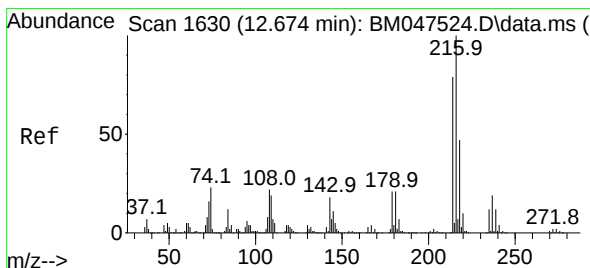
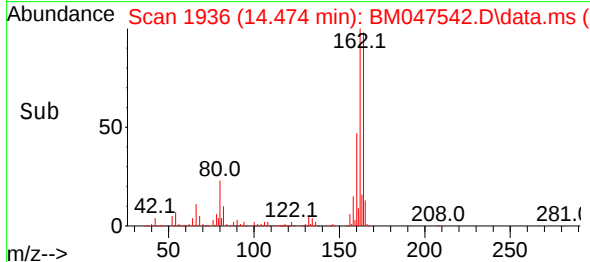
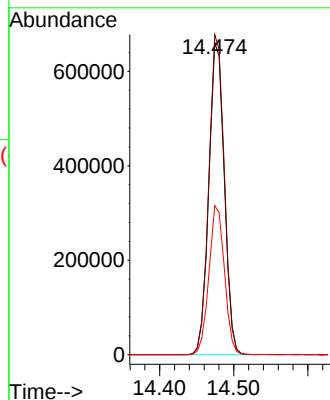
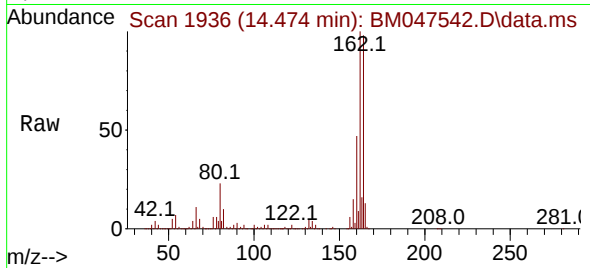




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

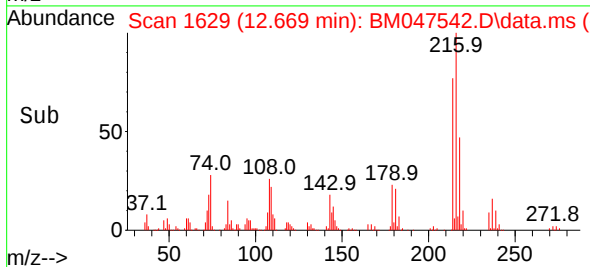
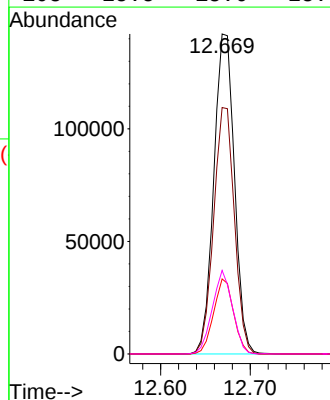
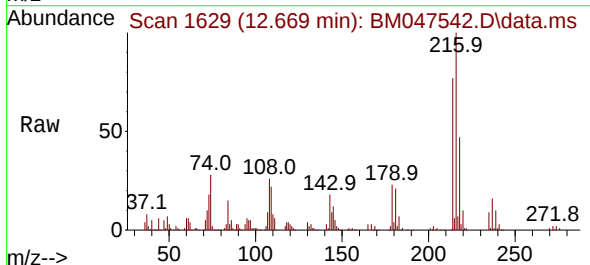
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

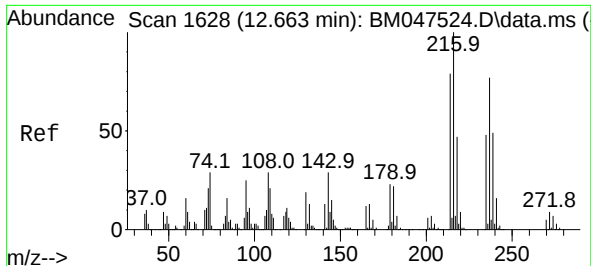
Tgt Ion:164 Resp: 956040
Ion Ratio Lower Upper
164 100
162 102.5 82.2 123.2
160 47.8 38.2 57.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.778 ng
RT: 12.669 min Scan# 1629
Delta R.T. -0.006 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

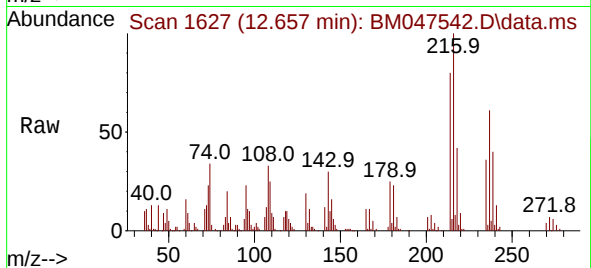
Tgt Ion:216 Resp: 227096
Ion Ratio Lower Upper
216 100
214 77.2 63.0 94.6
179 22.7 17.5 26.3
108 25.5 18.6 28.0



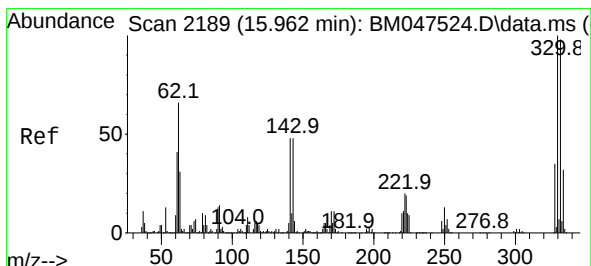
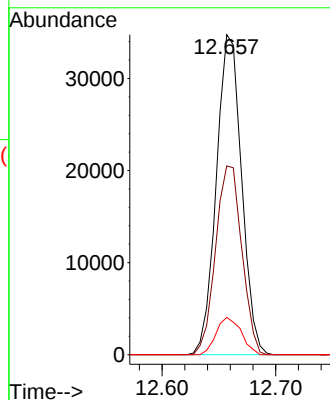
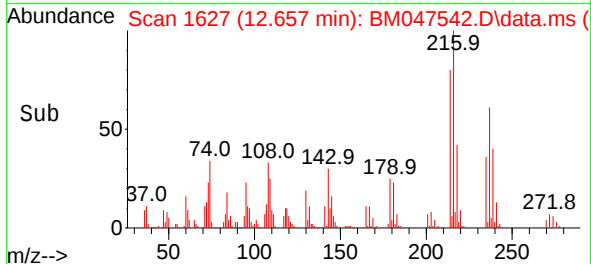


#41
Hexachlorocyclopentadiene
Concen: 6.352 ng
RT: 12.657 min Scan# 1627
Delta R.T. -0.006 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

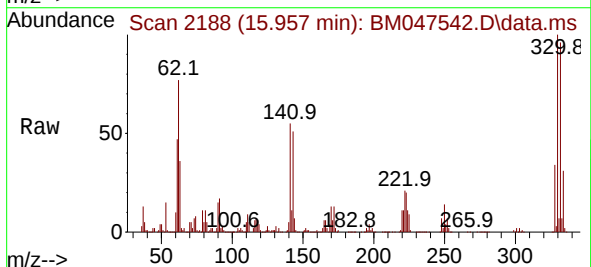
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024



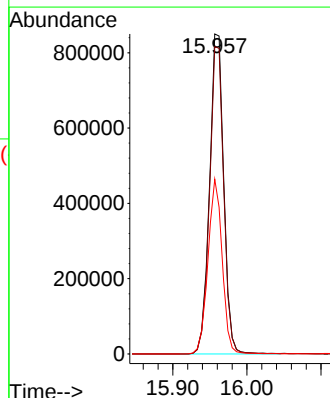
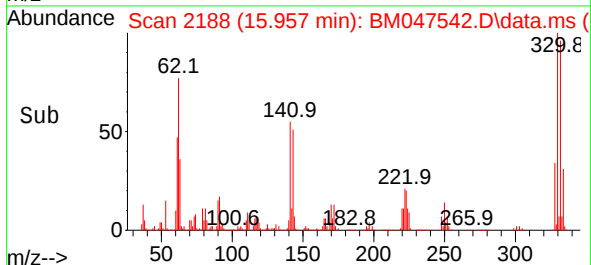
Tgt Ion	Ratio	Lower	Upper
237	100		
235	59.0	42.0	82.0
272	11.7	0.0	31.5

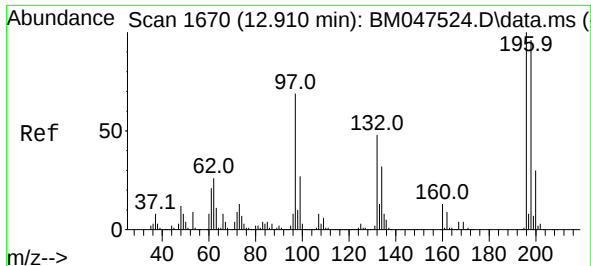


#42
2,4,6-Tribromophenol
Concen: 122.878 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21



Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.9	115.3
141	54.4	42.2	63.2





#43

2,4,6-Trichlorophenol

Concen: 8.218 ng

RT: 12.910 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

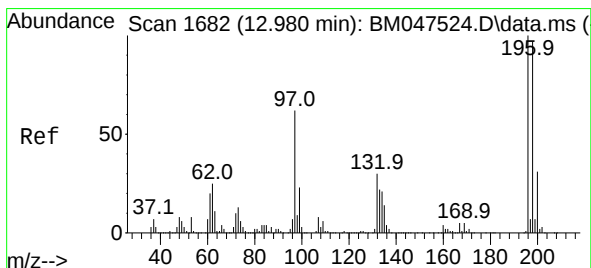
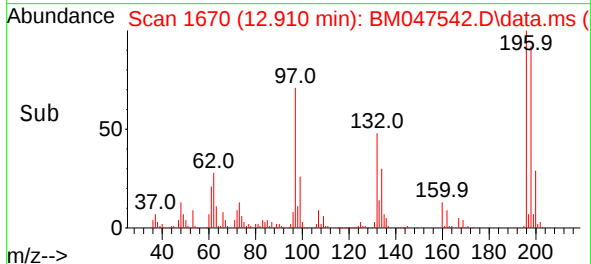
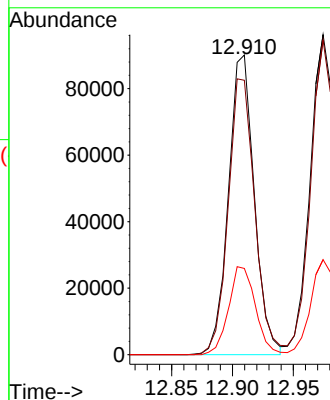
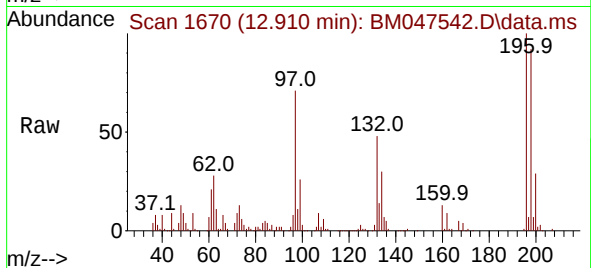
Tgt Ion:196 Resp: 133189

Ion Ratio Lower Upper

196 100

198 91.5 76.9 115.3

200 28.8 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 8.126 ng

RT: 12.974 min Scan# 1681

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Tgt Ion:196 Resp: 148748

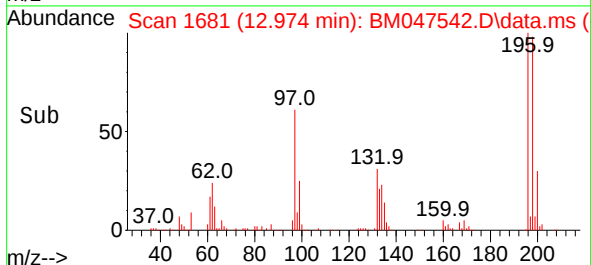
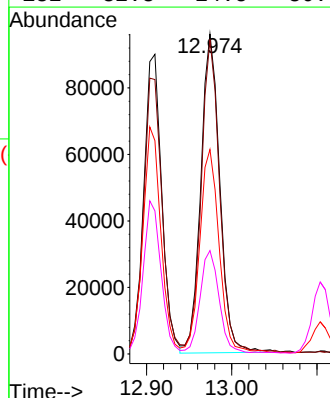
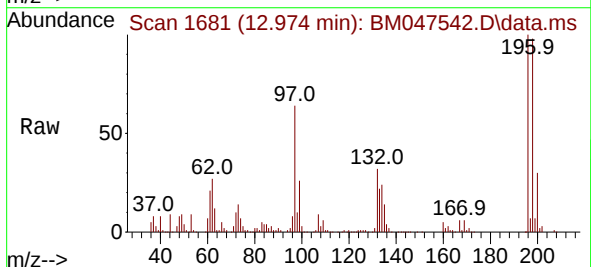
Ion Ratio Lower Upper

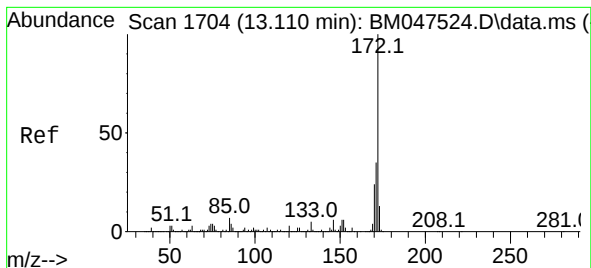
196 100

198 98.3 77.4 116.2

97 63.9 49.8 74.8

132 32.3 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 85.144 ng

RT: 13.104 min Scan# 1703

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

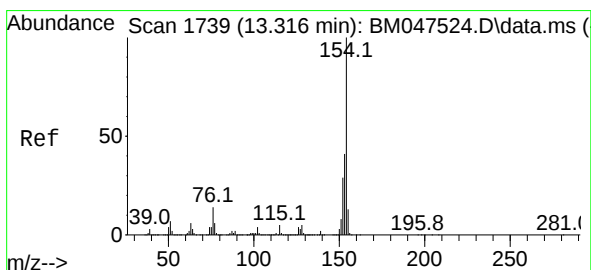
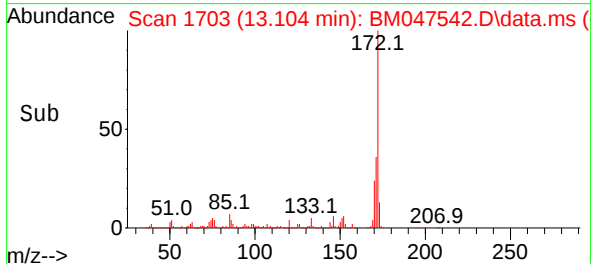
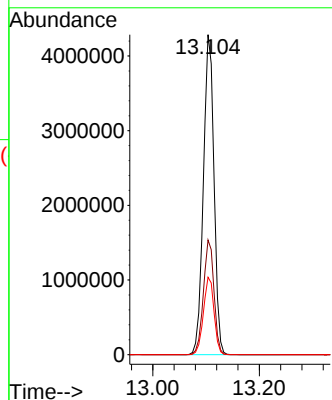
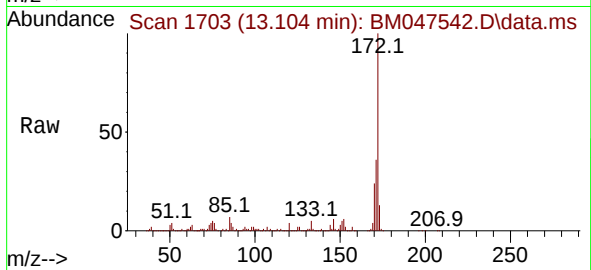
Tgt Ion:172 Resp: 5909234

Ion Ratio Lower Upper

172 100

171 35.9 28.2 42.2

170 24.2 19.4 29.0



#46

1,1'-Biphenyl

Concen: 9.215 ng

RT: 13.316 min Scan# 1739

Delta R.T. 0.000 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

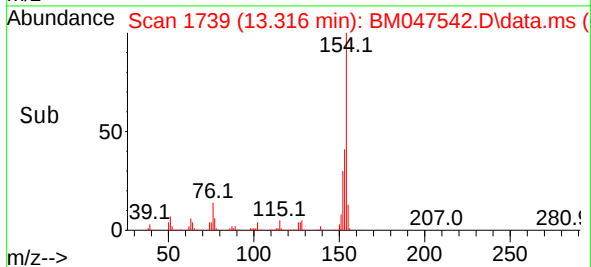
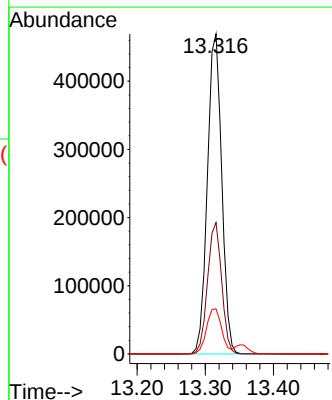
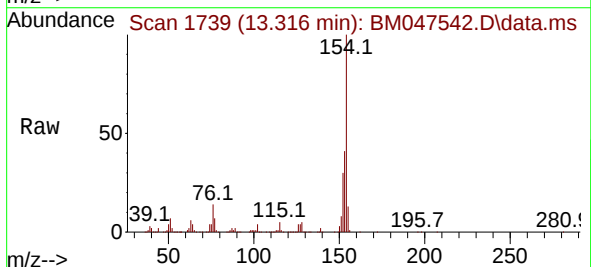
Tgt Ion:154 Resp: 685440

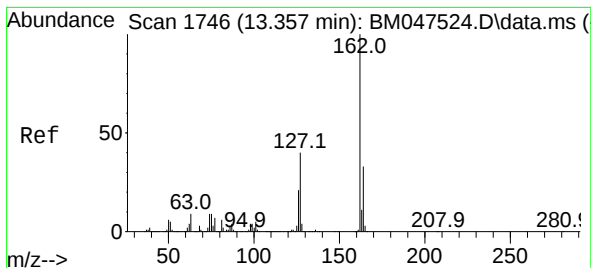
Ion Ratio Lower Upper

154 100

153 41.0 20.6 60.6

76 14.1 0.0 33.9





#47

2-Chloronaphthalene

Concen: 8.827 ng

RT: 13.351 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

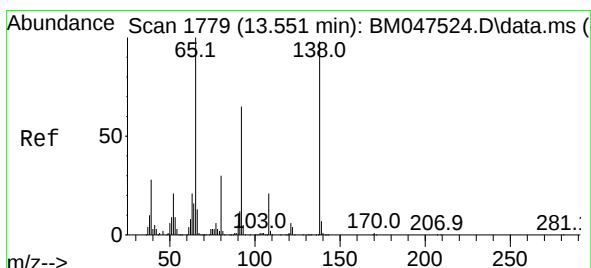
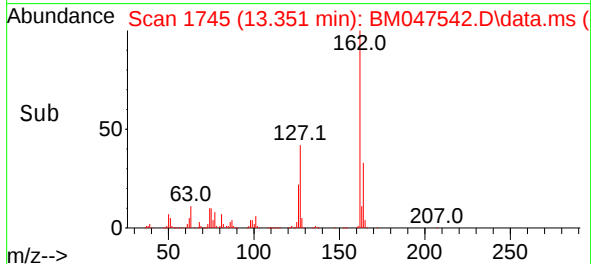
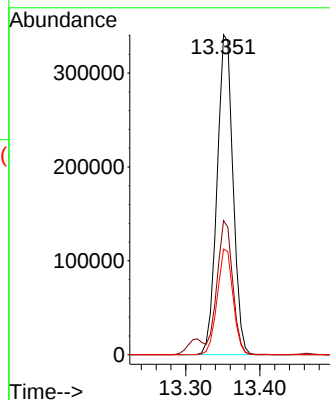
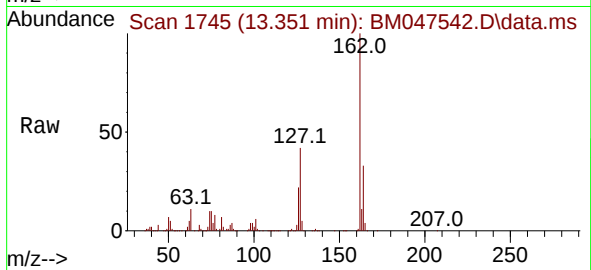
Tgt Ion:162 Resp: 509819

Ion Ratio Lower Upper

162 100

127 41.9 32.2 48.4

164 33.0 26.3 39.5



#48

2-Nitroaniline

Concen: 8.569 ng

RT: 13.545 min Scan# 1778

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

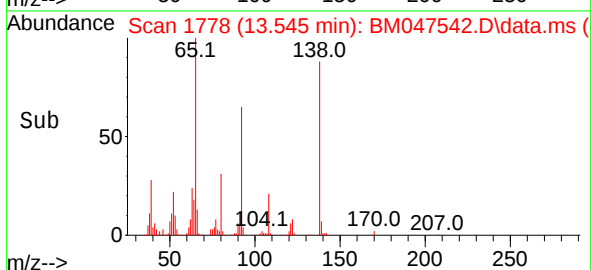
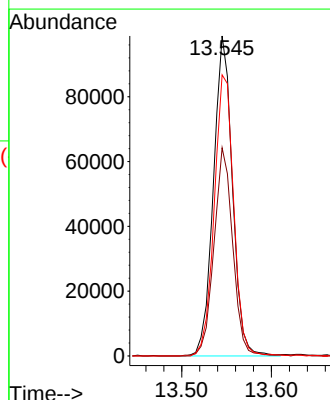
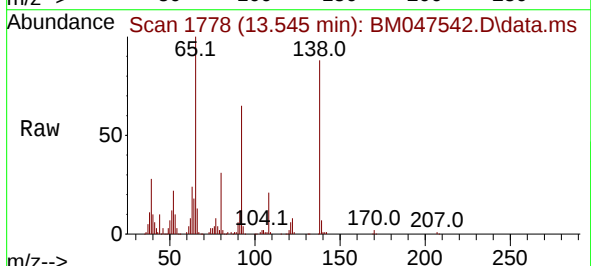
Tgt Ion: 65 Resp: 145370

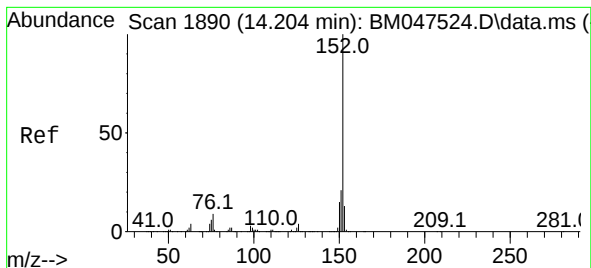
Ion Ratio Lower Upper

65 100

92 65.1 51.9 77.9

138 87.8 78.5 117.7





#49

Acenaphthylene

Concen: 9.607 ng

RT: 14.198 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

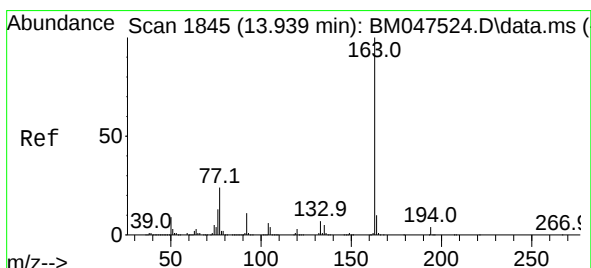
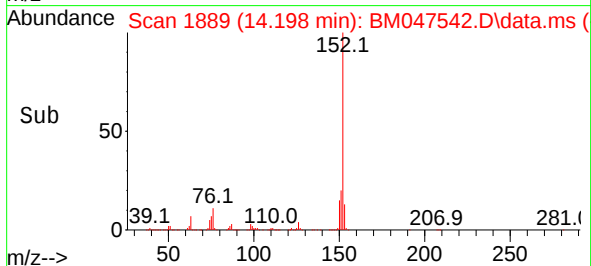
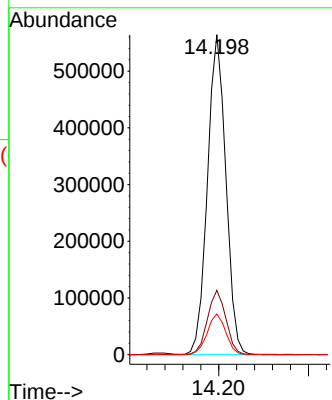
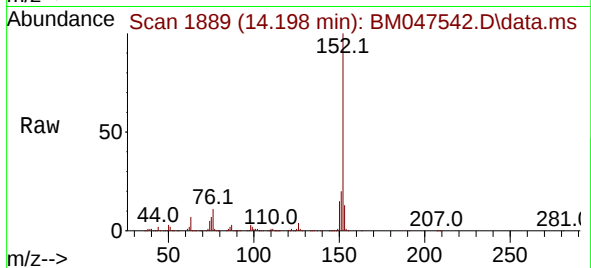
Tgt Ion:152 Resp: 800766

Ion Ratio Lower Upper

152 100

151 20.1 16.5 24.7

153 12.7 10.4 15.6



#50

Dimethylphthalate

Concen: 9.021 ng

RT: 13.933 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

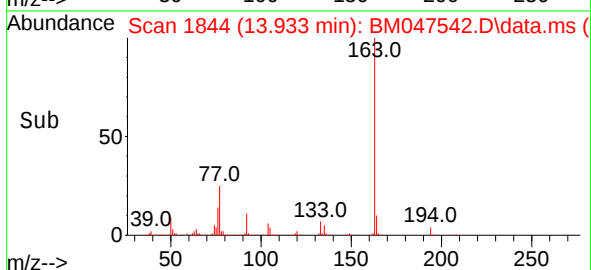
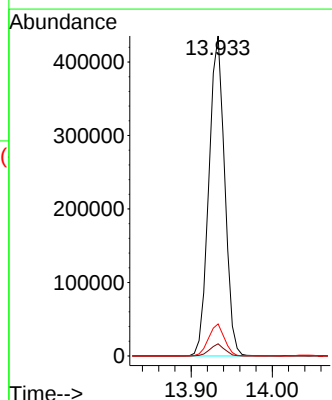
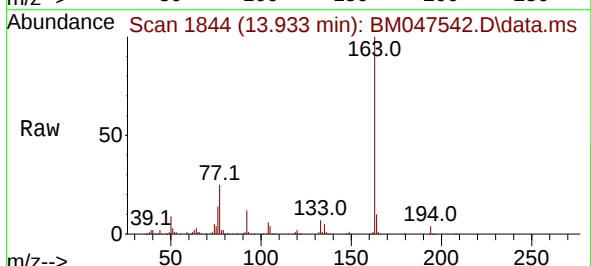
Tgt Ion:163 Resp: 587833

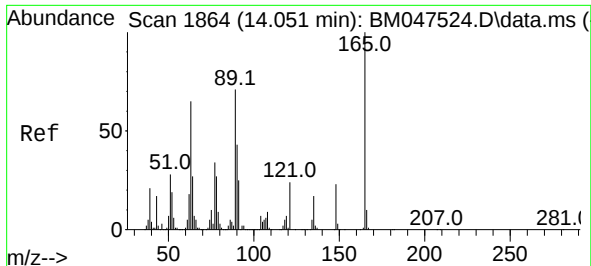
Ion Ratio Lower Upper

163 100

194 3.8 2.9 4.3

164 10.0 7.9 11.9





#51

2,6-Dinitrotoluene

Concen: 8.145 ng

RT: 14.039 min Scan# 1862

Delta R.T. -0.012 min

Lab File: BM047542.D

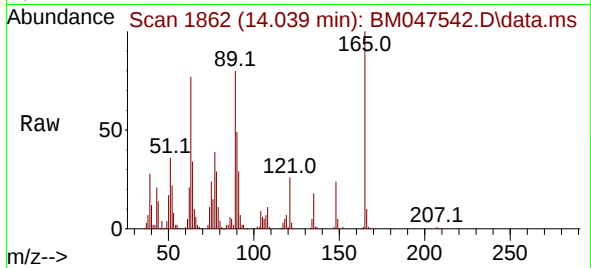
Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024



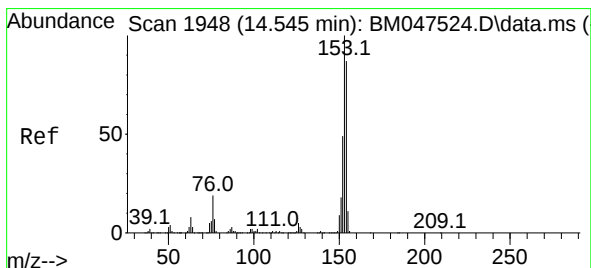
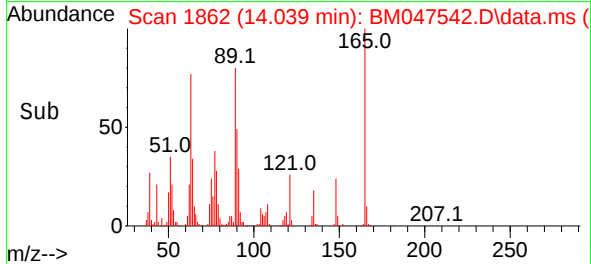
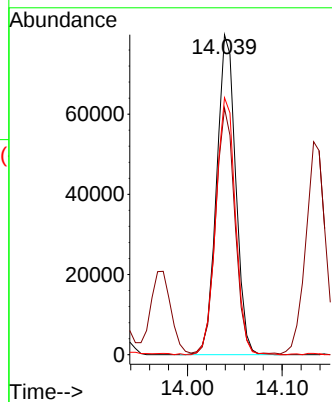
Tgt Ion:165 Resp: 112038

Ion Ratio Lower Upper

165 100

63 77.1 54.2 81.2

89 80.3 56.4 84.6



#52

Acenaphthene

Concen: 8.506 ng

RT: 14.539 min Scan# 1947

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

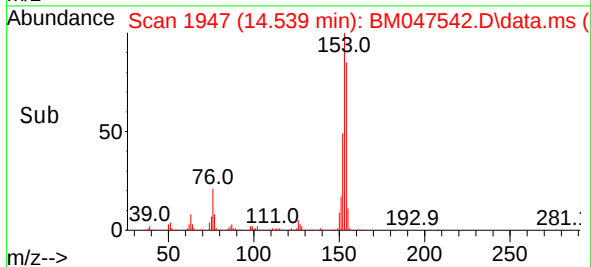
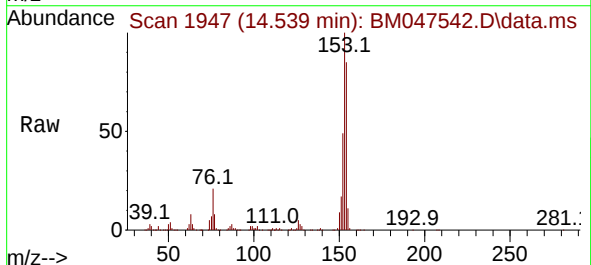
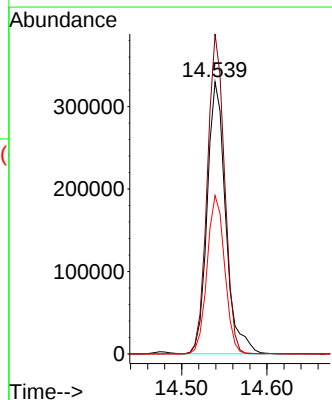
Tgt Ion:154 Resp: 496725

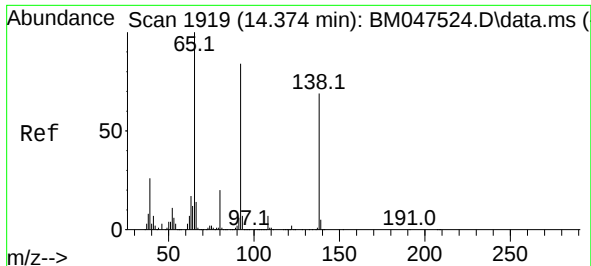
Ion Ratio Lower Upper

154 100

153 117.7 92.2 138.2

152 58.2 45.4 68.0





#53

3-Nitroaniline

Concen: 8.746 ng

RT: 14.368 min Scan# 1918

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

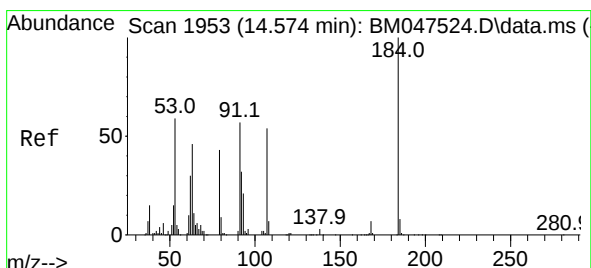
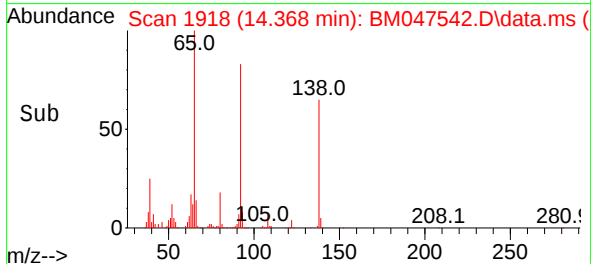
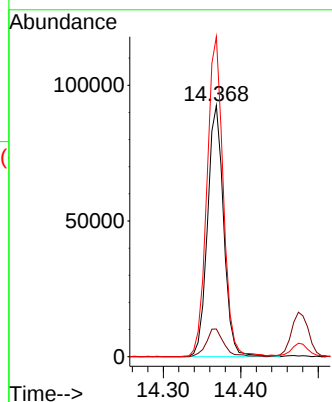
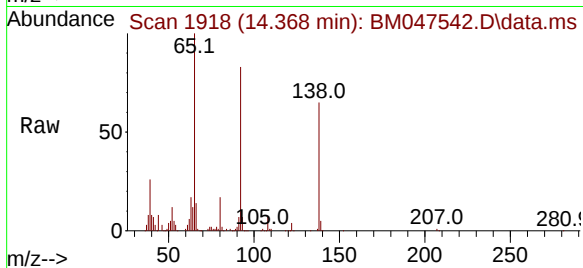
Tgt Ion:138 Resp: 133718

Ion Ratio Lower Upper

138 100

108 11.0 8.0 12.0

92 127.4 97.4 146.0



#54

2,4-Dinitrophenol

Concen: 10.495 ng

RT: 14.574 min Scan# 1953

Delta R.T. 0.000 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

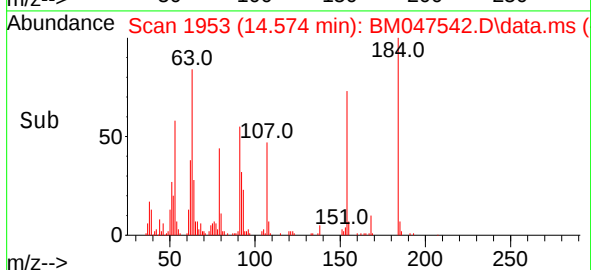
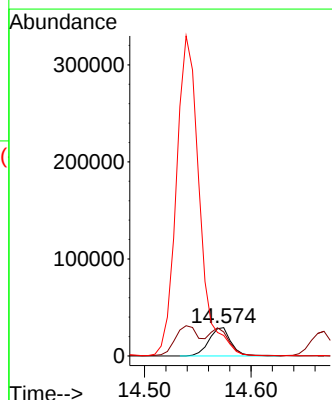
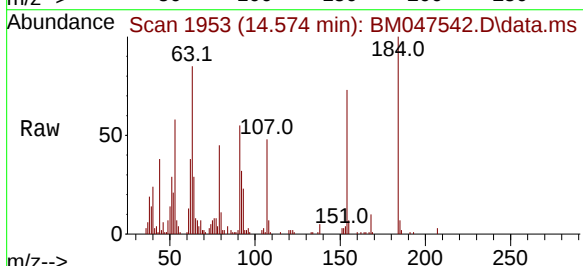
Tgt Ion:184 Resp: 41708

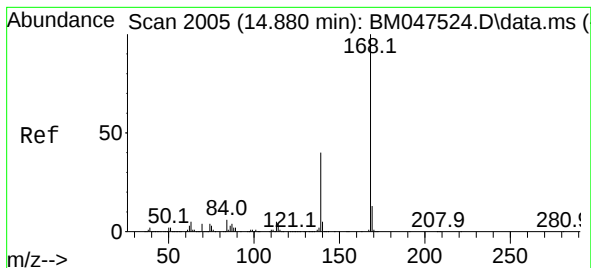
Ion Ratio Lower Upper

184 100

63 84.8 69.4 104.0

154 72.5 60.4 90.6





#55

Dibenzenofuran

Concen: 8.855 ng

RT: 14.874 min Scan# 2005

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

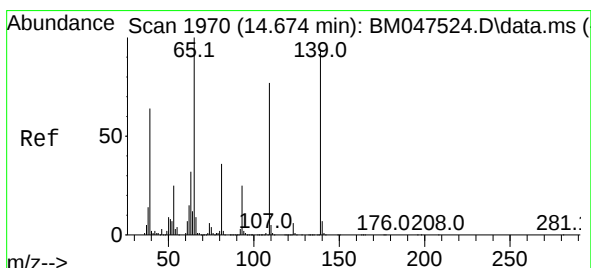
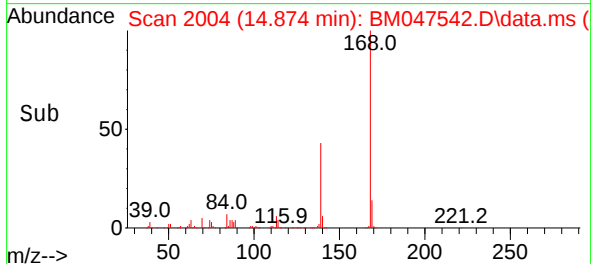
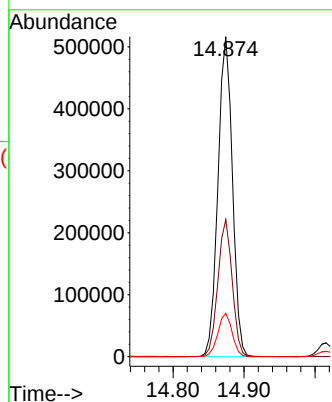
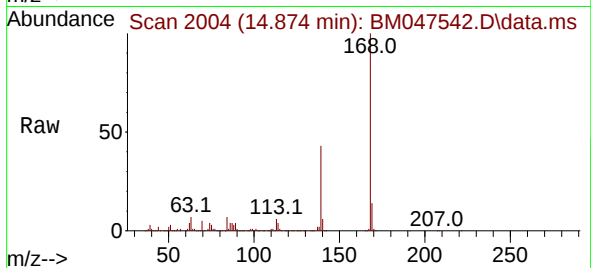
Tgt Ion:168 Resp: 726673

Ion Ratio Lower Upper

168 100

139 42.9 31.9 47.9

169 13.6 10.5 15.7



#56

4-Nitrophenol

Concen: 8.568 ng

RT: 14.668 min Scan# 1969

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

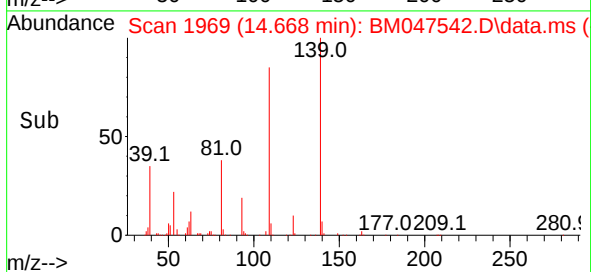
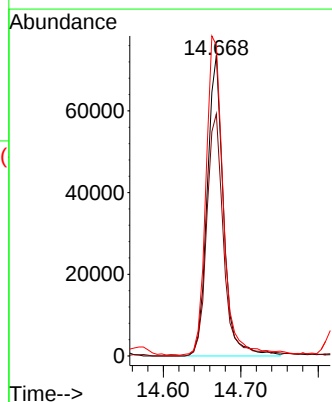
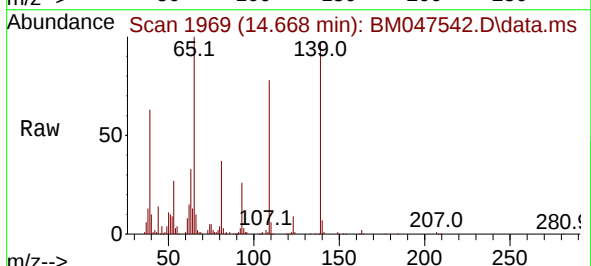
Tgt Ion:139 Resp: 107804

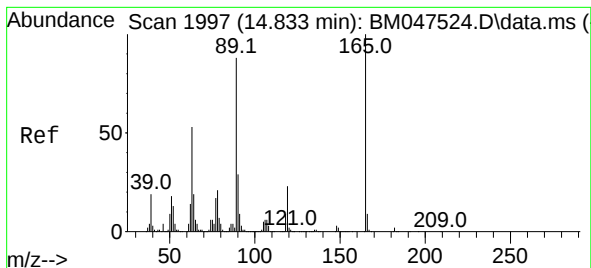
Ion Ratio Lower Upper

139 100

109 80.5 62.0 102.0

65 103.4 87.0 127.0





#57

2,4-Dinitrotoluene

Concen: 7.937 ng

RT: 14.827 min Scan# 1996

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:165 Resp: 145621

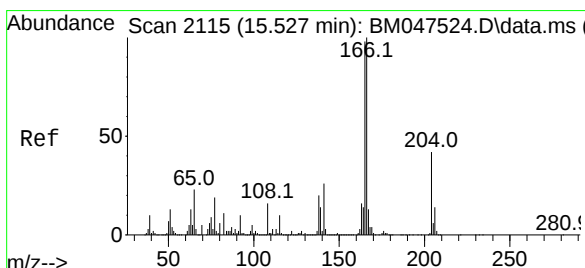
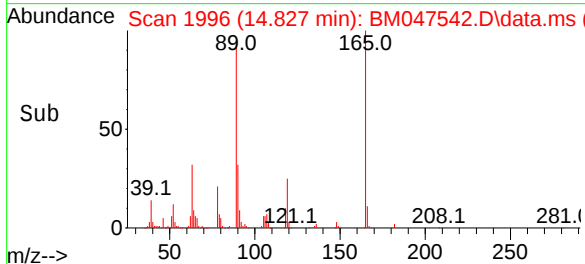
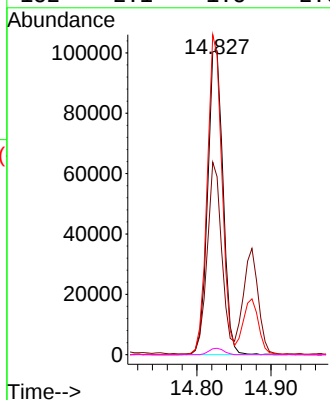
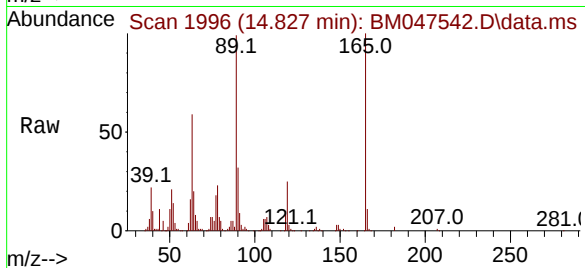
Ion Ratio Lower Upper

165 100

63 58.5 42.4 63.6

89 98.5 70.5 105.7

182 2.1 1.8 2.6



#58

Fluorene

Concen: 8.269 ng

RT: 15.521 min Scan# 2114

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

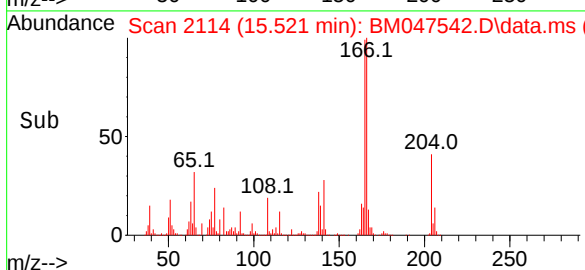
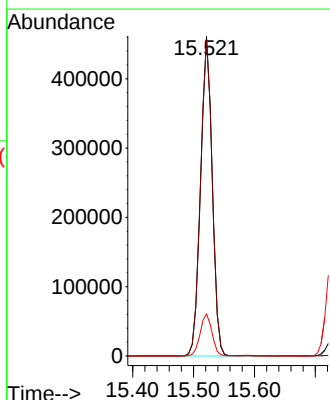
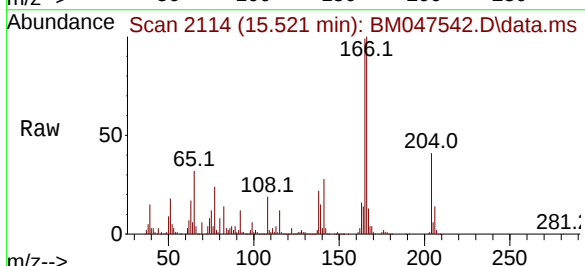
Tgt Ion:166 Resp: 610980

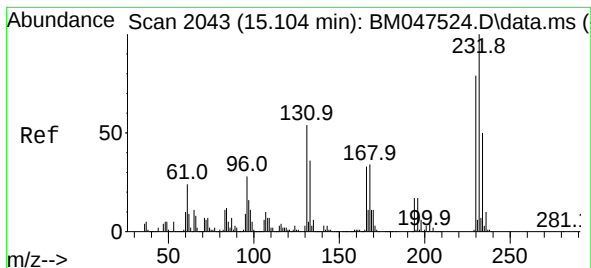
Ion Ratio Lower Upper

166 100

165 98.8 78.6 117.8

167 13.1 10.7 16.1

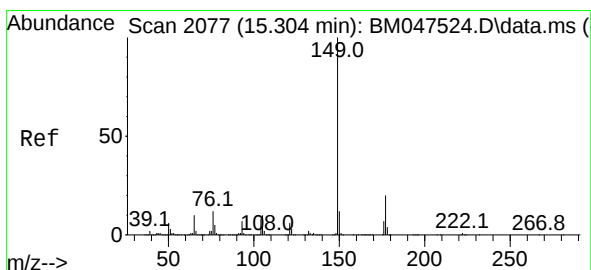
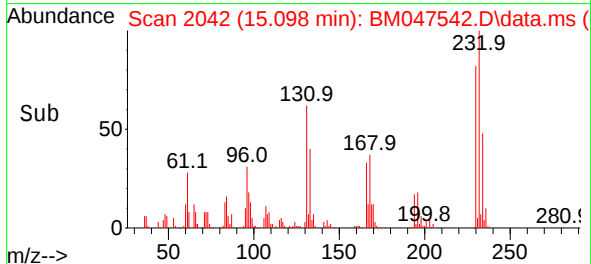
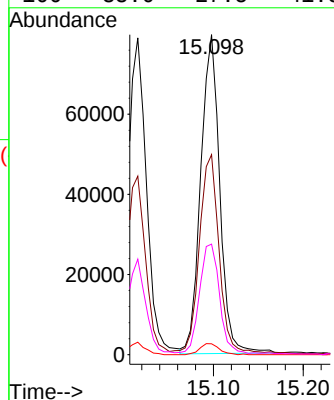
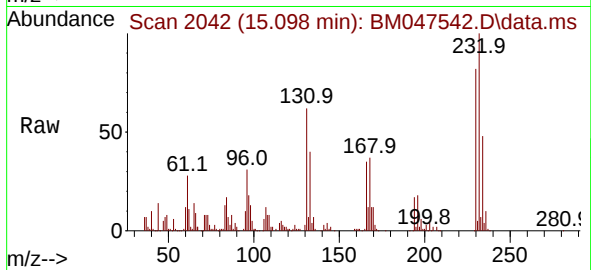




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.221 ng
RT: 15.098 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

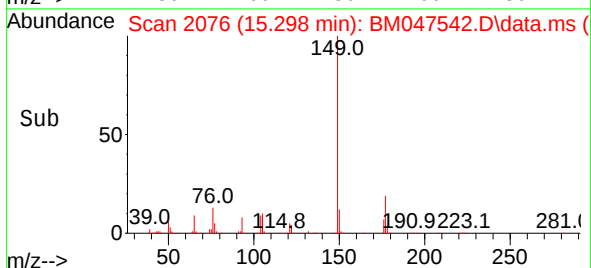
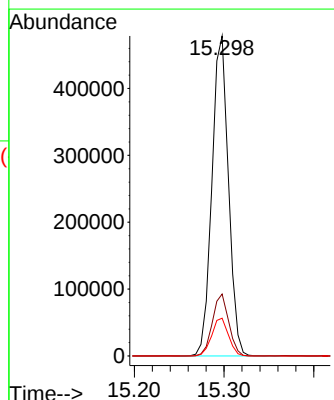
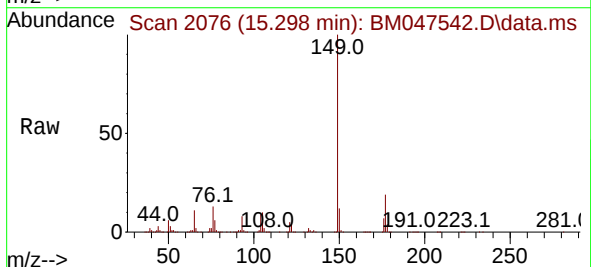
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

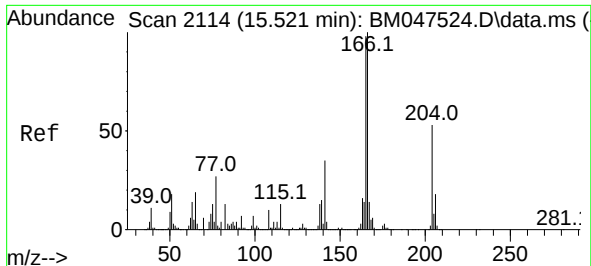
Tgt Ion:232 Resp: 117335
Ion Ratio Lower Upper
232 100
131 63.6 47.0 70.4
130 3.6 2.6 3.8
166 38.0 27.5 41.3



#60
Diethylphthalate
Concen: 8.811 ng
RT: 15.298 min Scan# 2076
Delta R.T. -0.006 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

Tgt Ion:149 Resp: 611056
Ion Ratio Lower Upper
149 100
177 19.3 15.8 23.8
150 11.8 9.7 14.5

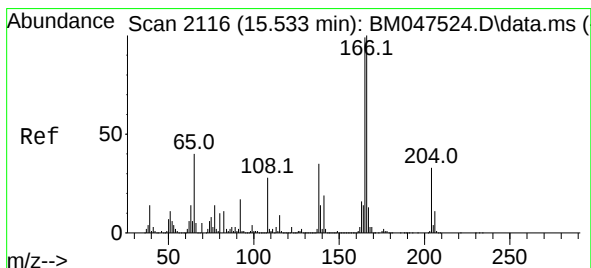
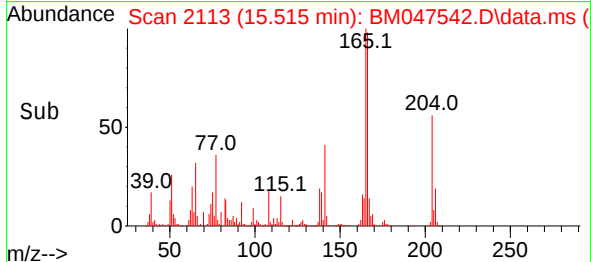
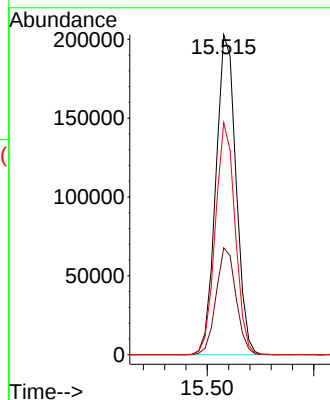
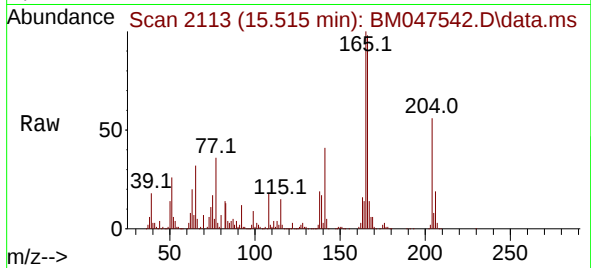




#61
4-Chlorophenyl-phenylether
Concen: 7.875 ng
RT: 15.515 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

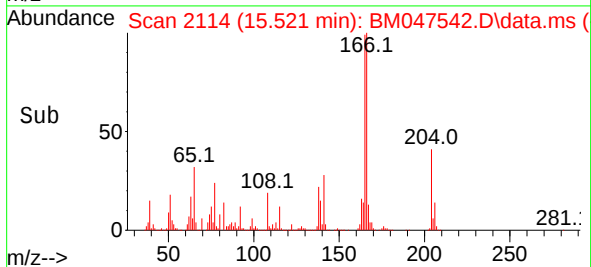
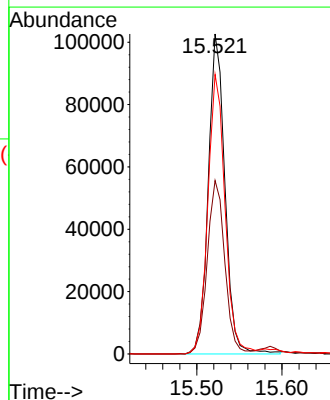
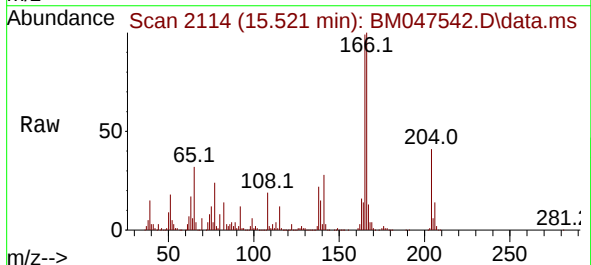
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

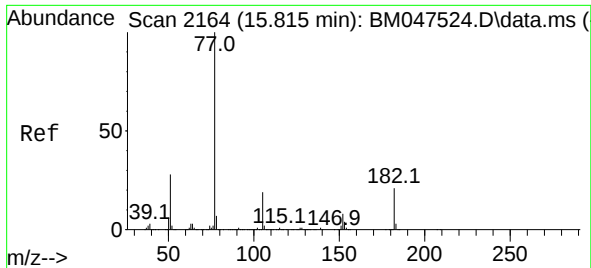
Tgt Ion:204 Resp: 266031
Ion Ratio Lower Upper
204 100
206 33.4 26.5 39.7
141 72.5 52.1 78.1



#62
4-Nitroaniline
Concen: 7.771 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.012 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

Tgt Ion:138 Resp: 139660
Ion Ratio Lower Upper
138 100
92 54.2 30.0 70.0
108 87.3 61.7 101.7

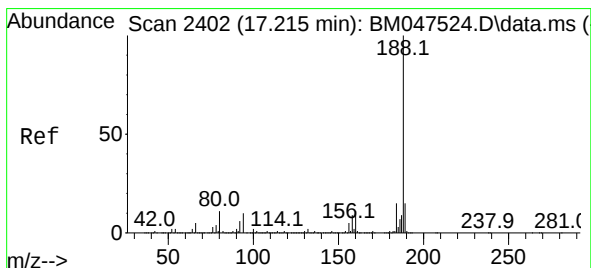
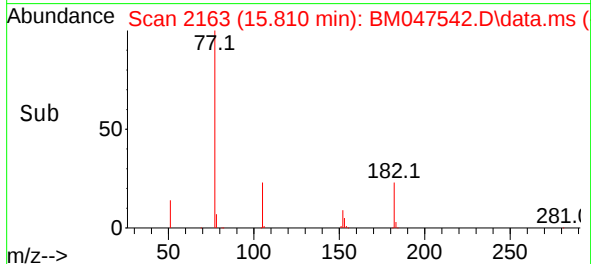
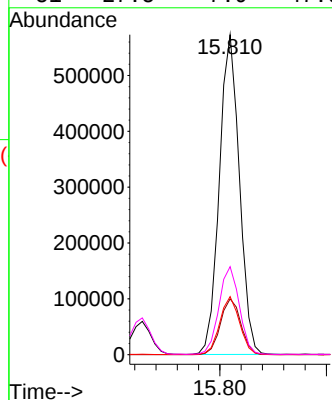
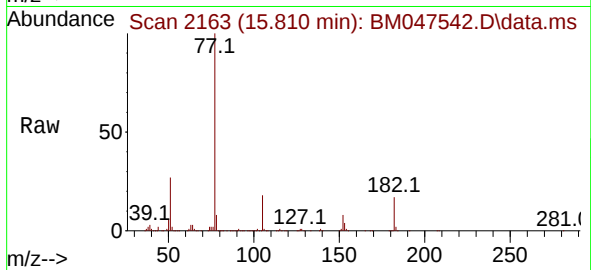




#63
 Azobenzene
 Concen: 9.764 ng
 RT: 15.810 min Scan# 2163
 Delta R.T. -0.006 min
 Lab File: BM047542.D
 Acq: 17 Sep 2024 13:21

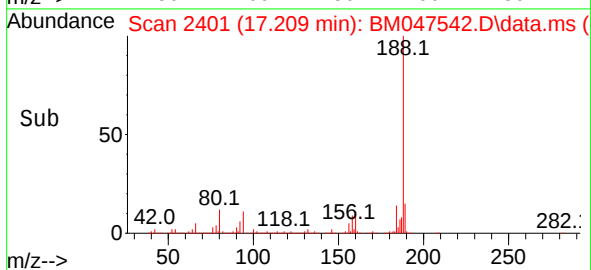
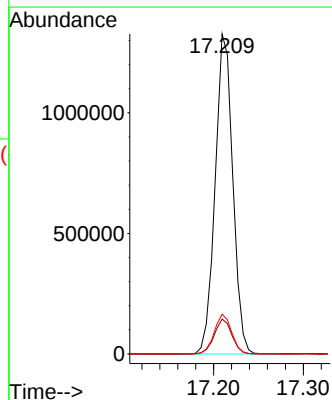
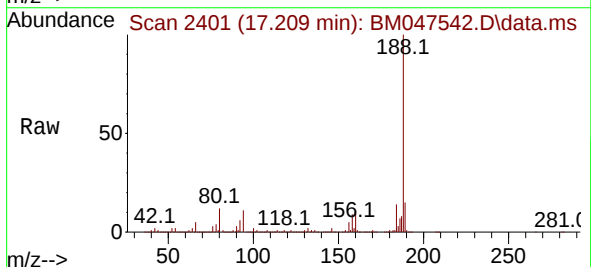
Instrument : BNA_M
 ClientSampleId : LOQ-SOIL-02-QT2-2024

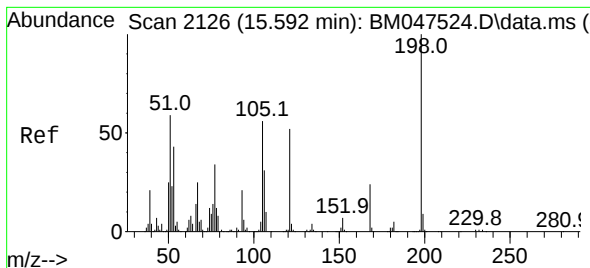
Tgt Ion:	77	Resp:	745618
Ion	Ratio	Lower	Upper
77	100		
182	17.4	1.2	41.2
105	18.2	0.0	39.4
51	27.5	7.9	47.9



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.209 min Scan# 2401
 Delta R.T. -0.006 min
 Lab File: BM047542.D
 Acq: 17 Sep 2024 13:21

Tgt Ion:	188	Resp:	1808861
Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.4	12.6
80	12.4	9.1	13.7

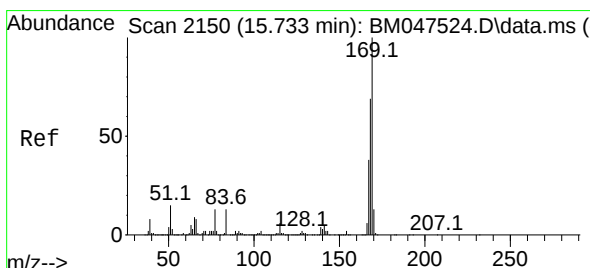
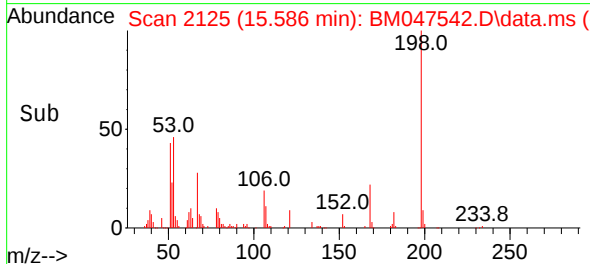
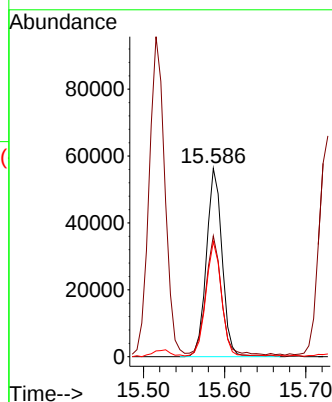
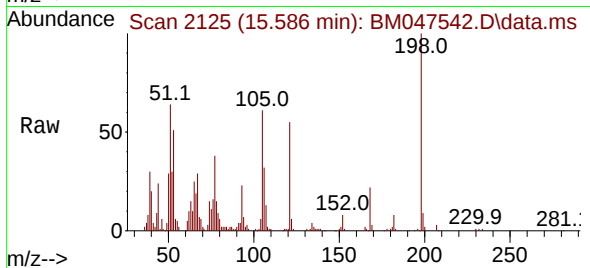




#65
4,6-Dinitro-2-methylphenol
Concen: 14.109 ng
RT: 15.586 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

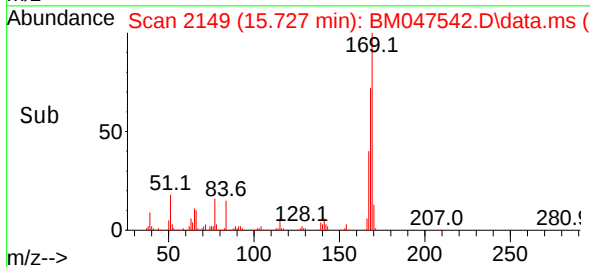
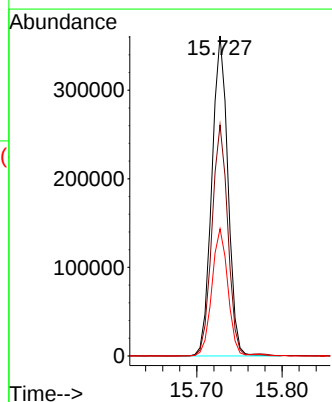
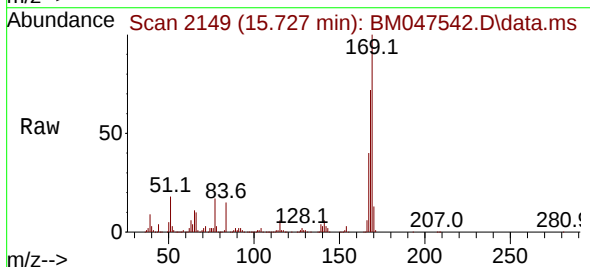
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

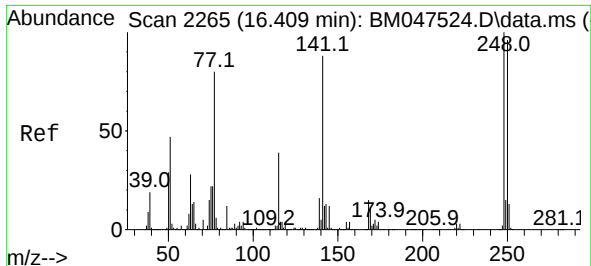
Tgt Ion:198 Resp: 75136
Ion Ratio Lower Upper
198 100
51 64.2 41.5 81.5
105 61.1 36.4 76.4



#66
n-Nitrosodiphenylamine
Concen: 8.556 ng
RT: 15.727 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

Tgt Ion:169 Resp: 473457
Ion Ratio Lower Upper
169 100
168 72.2 55.3 82.9
167 39.8 30.5 45.7

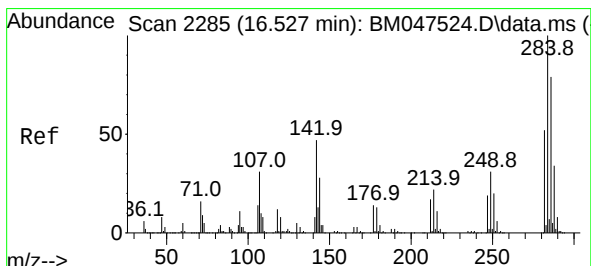
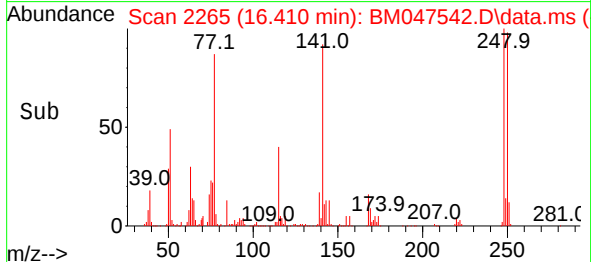
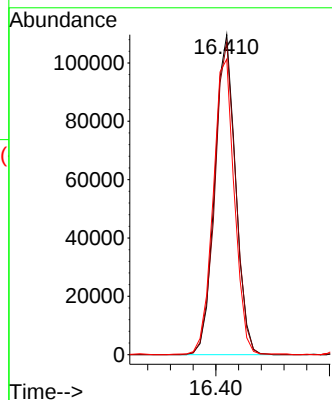
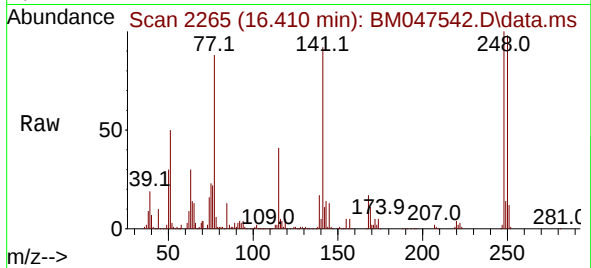




#67
4-Bromophenyl-phenylether
Concen: 7.955 ng
RT: 16.410 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

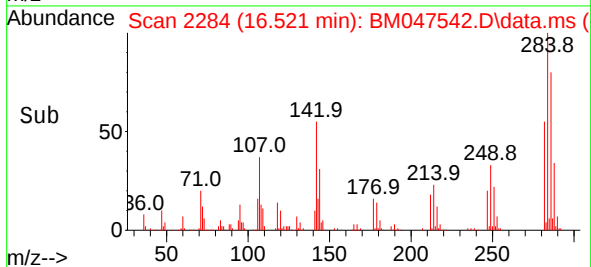
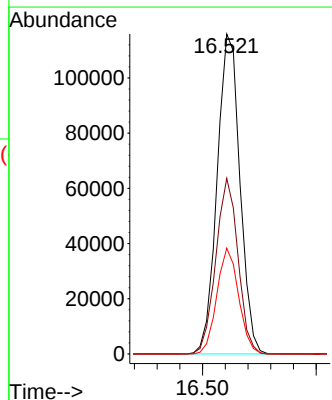
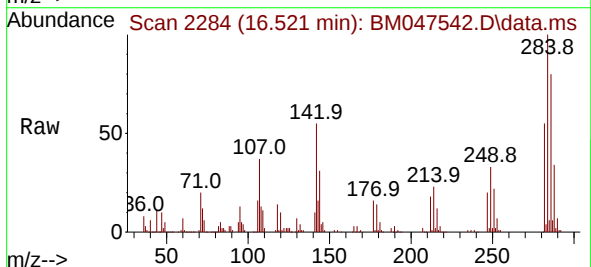
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

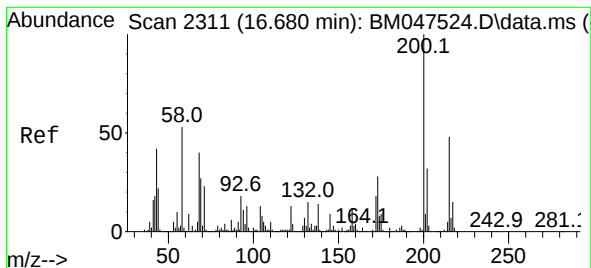
Tgt Ion:248 Resp: 139820
Ion Ratio Lower Upper
248 100
250 97.6 76.9 115.3
141 92.4 70.8 106.2



#68
Hexachlorobenzene
Concen: 8.130 ng
RT: 16.521 min Scan# 2284
Delta R.T. -0.006 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

Tgt Ion:284 Resp: 161878
Ion Ratio Lower Upper
284 100
142 54.9 37.3 55.9
249 33.1 24.5 36.7





#69

Atrazine

Concen: 8.980 ng

RT: 16.674 min Scan# 2310

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

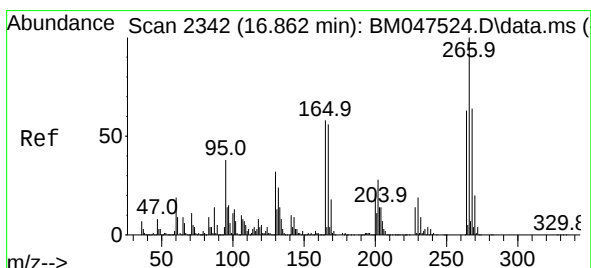
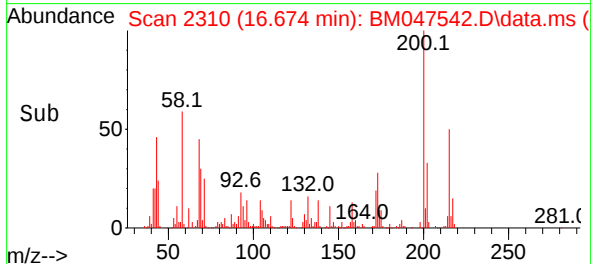
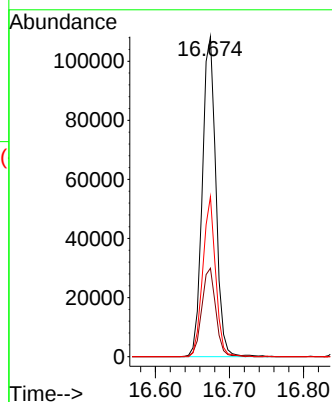
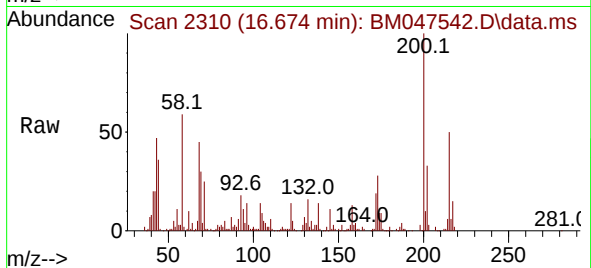
Tgt Ion:200 Resp: 137338

Ion Ratio Lower Upper

200 100

173 27.7 7.7 47.7

215 50.0 27.9 67.9



#70

Pentachlorophenol

Concen: 13.986 ng

RT: 16.862 min Scan# 2342

Delta R.T. 0.000 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

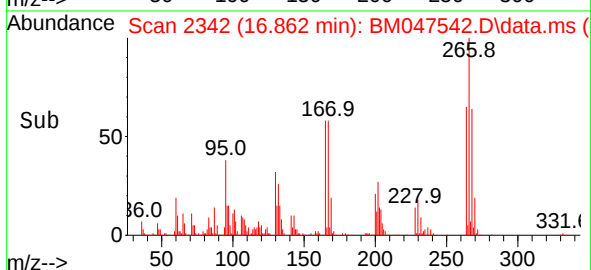
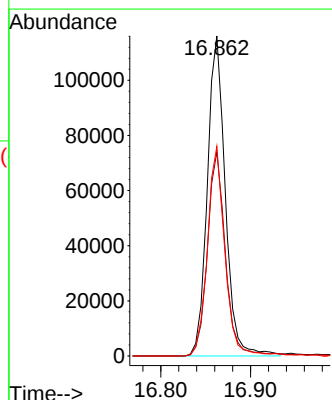
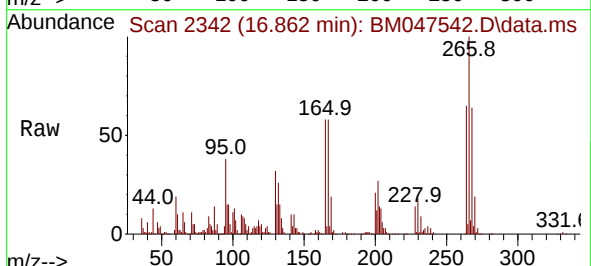
Tgt Ion:266 Resp: 161431

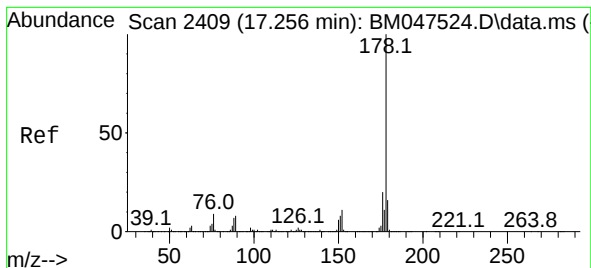
Ion Ratio Lower Upper

266 100

268 63.7 51.0 76.4

264 65.5 50.4 75.6





#71

Phenanthrene

Concen: 8.647 ng

RT: 17.257 min Scan# 2409

Delta R.T. 0.000 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

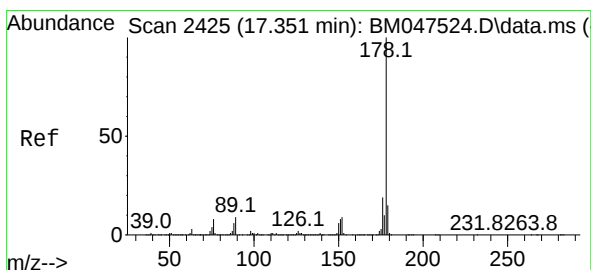
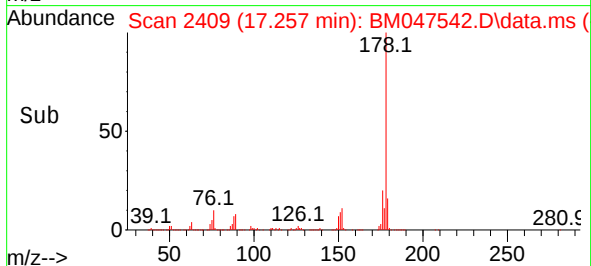
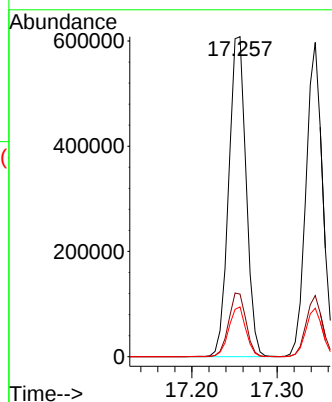
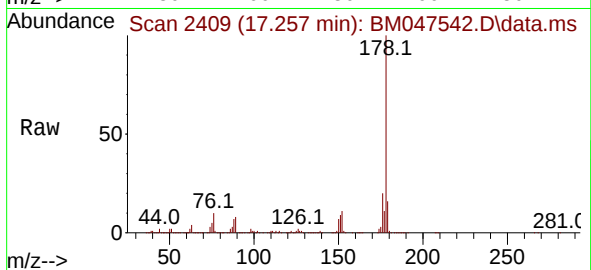
Tgt Ion:178 Resp: 861981

Ion Ratio Lower Upper

178 100

176 19.5 16.0 24.0

179 15.6 12.4 18.6



#72

Anthracene

Concen: 8.410 ng

RT: 17.345 min Scan# 2424

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

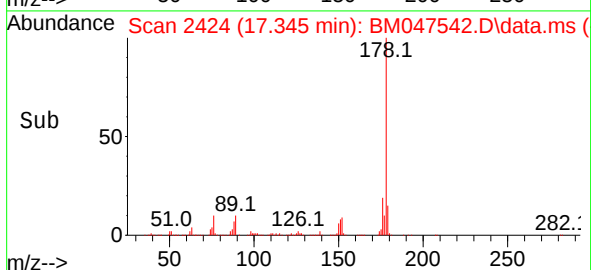
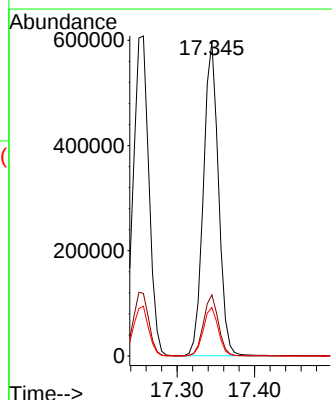
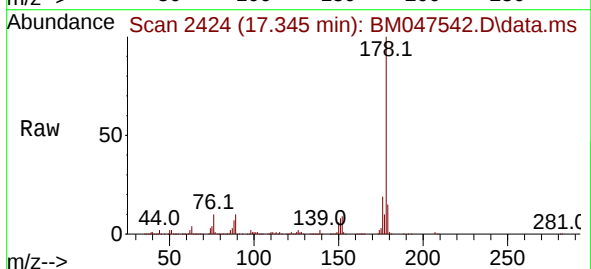
Tgt Ion:178 Resp: 805479

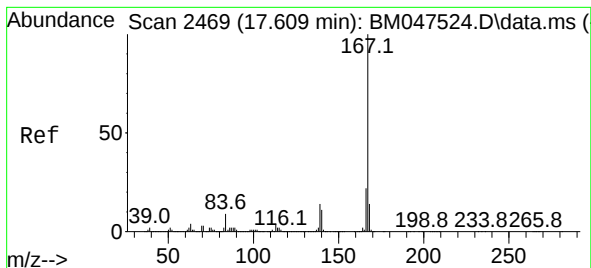
Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.0

179 15.4 12.3 18.5





#73

Carbazole

Concen: 8.458 ng

RT: 17.609 min Scan# 2469

Delta R.T. 0.000 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

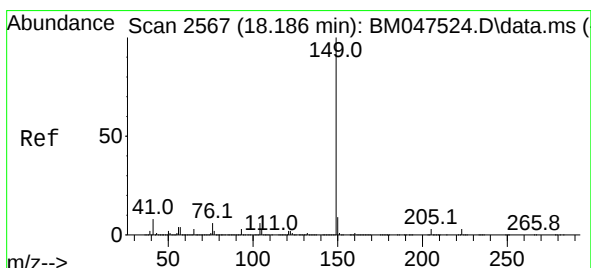
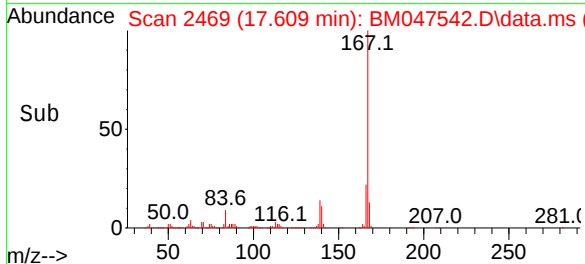
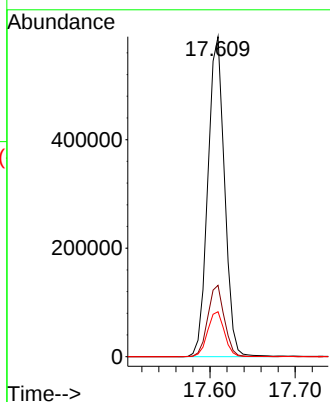
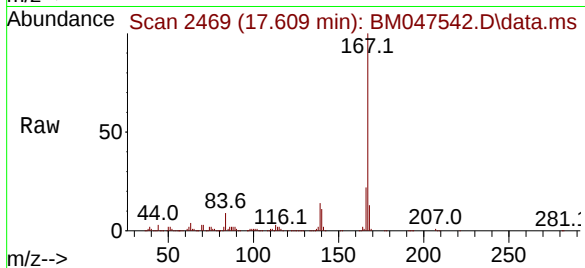
Tgt Ion:167 Resp: 802750

Ion Ratio Lower Upper

167 100

166 22.3 17.8 26.8

139 14.1 11.0 16.6



#74

Di-n-butylphthalate

Concen: 8.422 ng

RT: 18.180 min Scan# 2566

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

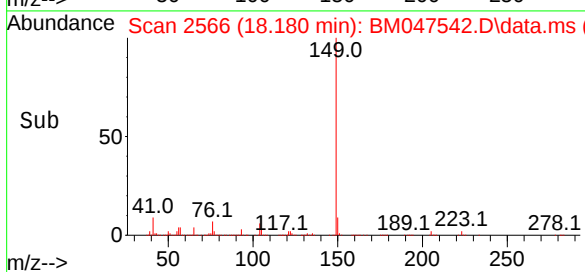
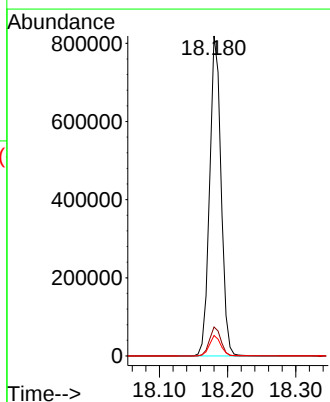
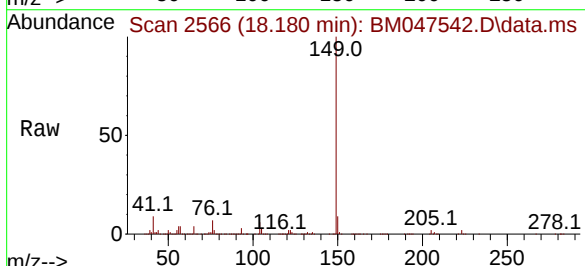
Tgt Ion:149 Resp: 956476

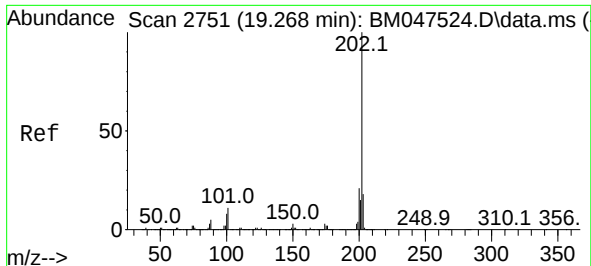
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.2

104 6.4 4.6 6.8

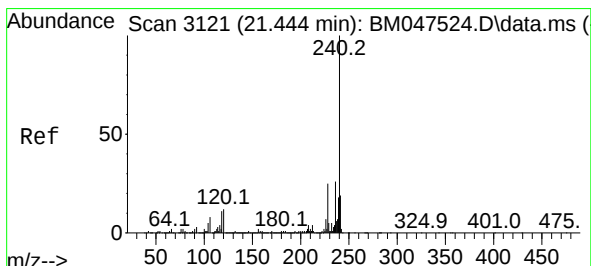
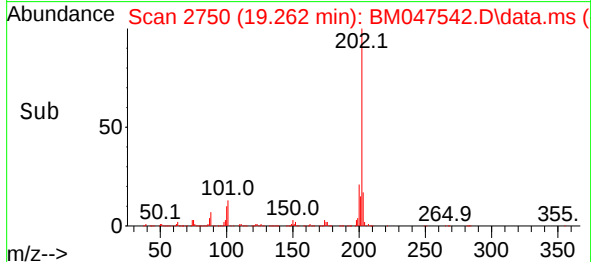
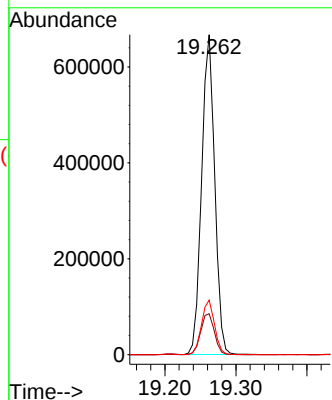
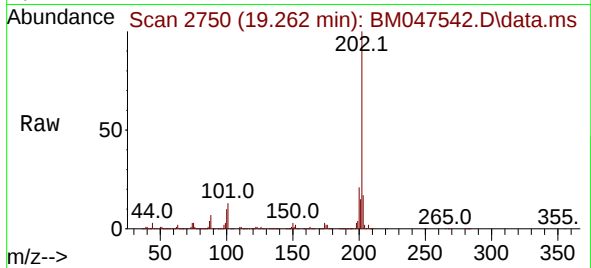




#75
Fluoranthene
Concen: 7.870 ng
RT: 19.262 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

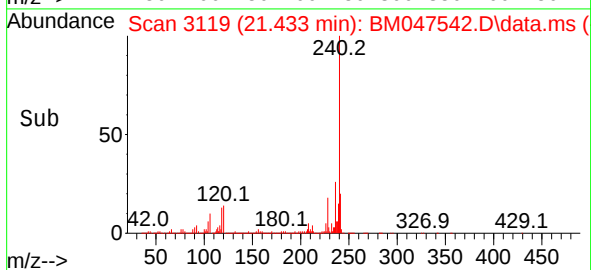
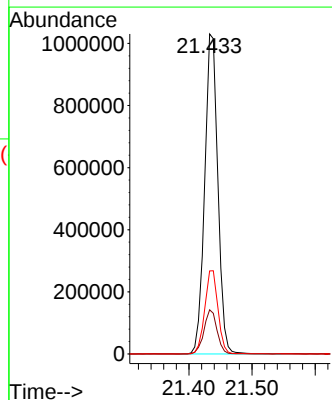
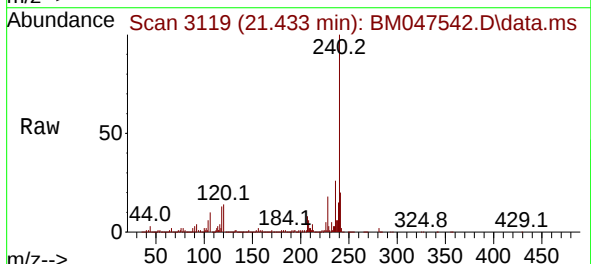
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

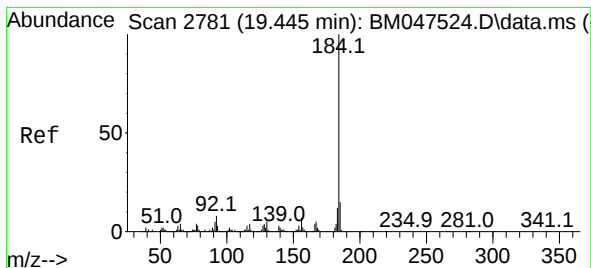
Tgt Ion:202 Resp: 855927
Ion Ratio Lower Upper
202 100
101 12.8 0.0 30.8
203 17.1 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.011 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

Tgt Ion:240 Resp: 1496686
Ion Ratio Lower Upper
240 100
120 13.8 9.6 14.4
236 26.0 20.9 31.3





#77

Benzidine

Concen: 13.070 ng

RT: 19.439 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

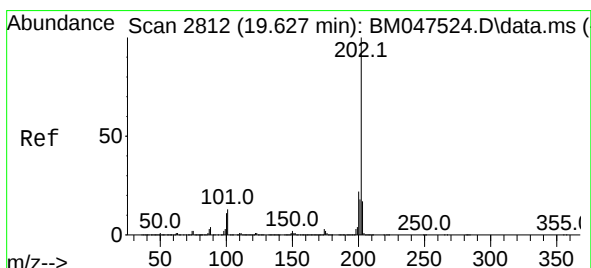
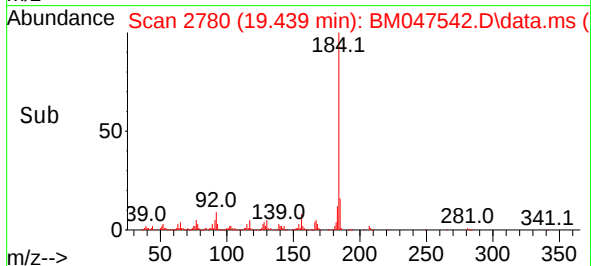
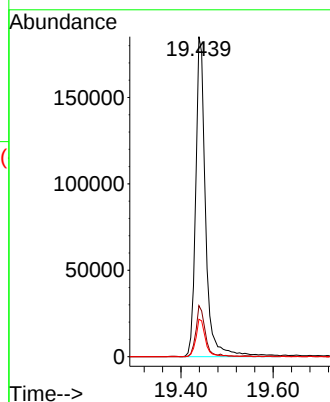
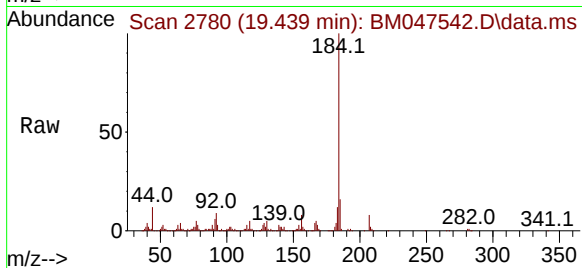
Tgt Ion:184 Resp: 275492

Ion Ratio Lower Upper

184 100

185 16.0 12.2 18.2

183 11.7 9.6 14.4



#78

Pyrene

Concen: 8.351 ng

RT: 19.621 min Scan# 2811

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

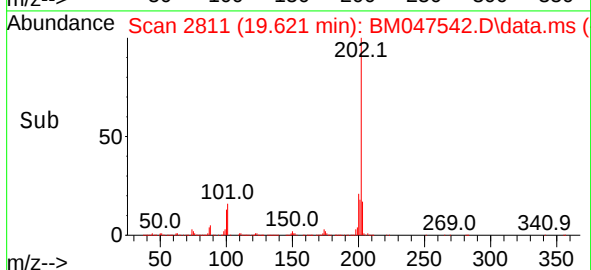
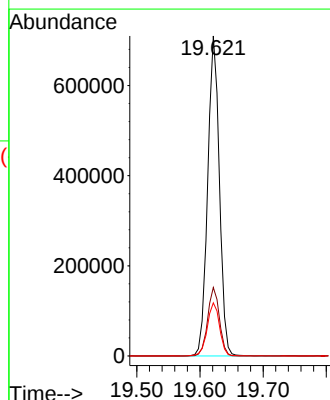
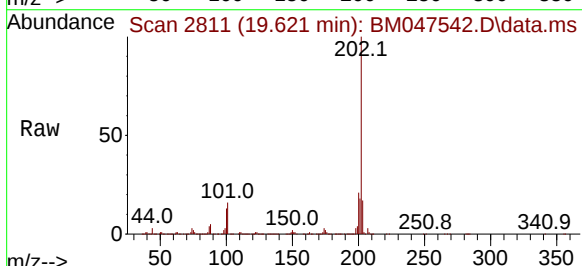
Tgt Ion:202 Resp: 911693

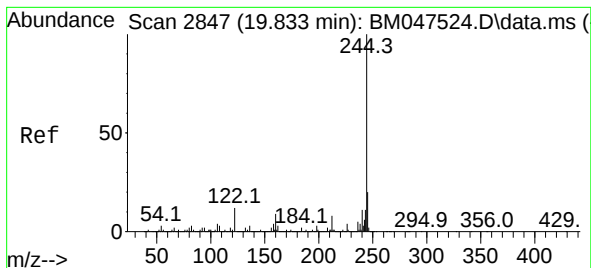
Ion Ratio Lower Upper

202 100

200 21.4 17.2 25.8

203 16.6 14.0 21.0





#79

Terphenyl-d14

Concen: 95.454 ng

RT: 19.827 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

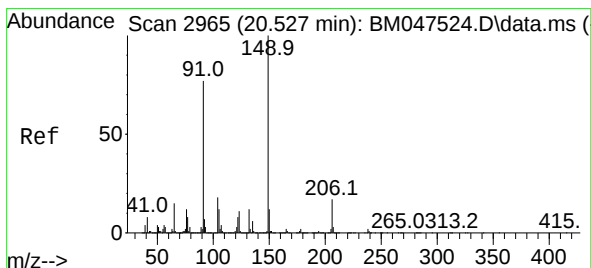
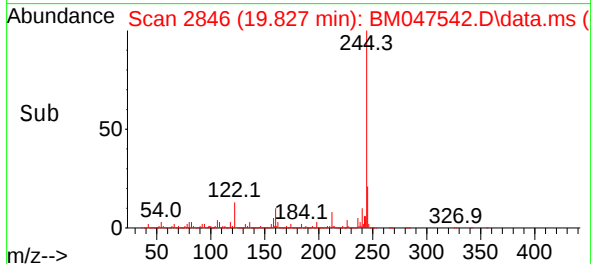
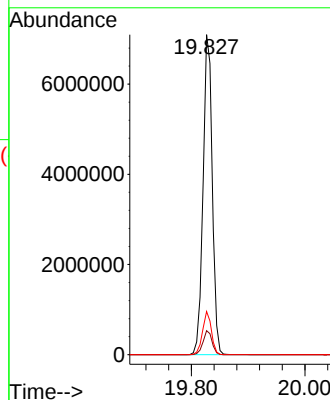
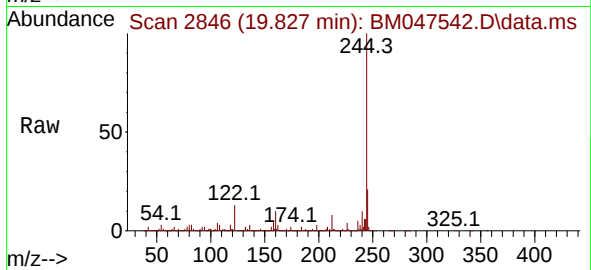
Tgt Ion:244 Resp: 7972634

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

122 13.5 9.6 14.4



#80

Butylbenzylphthalate

Concen: 8.104 ng

RT: 20.521 min Scan# 2964

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

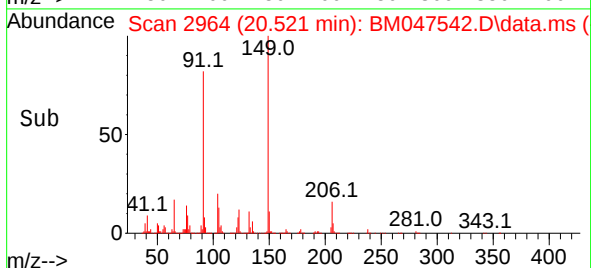
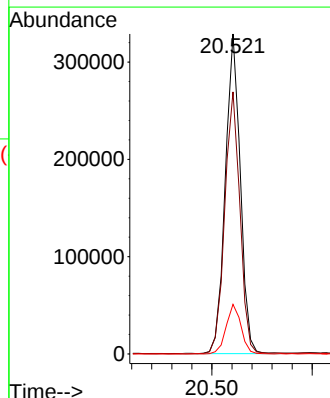
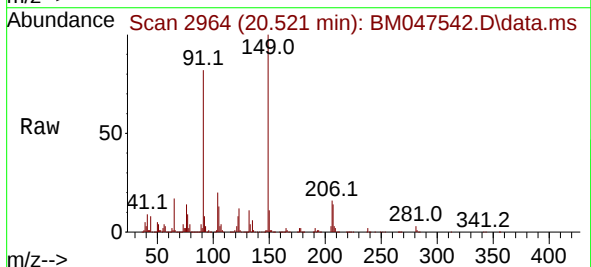
Tgt Ion:149 Resp: 340571

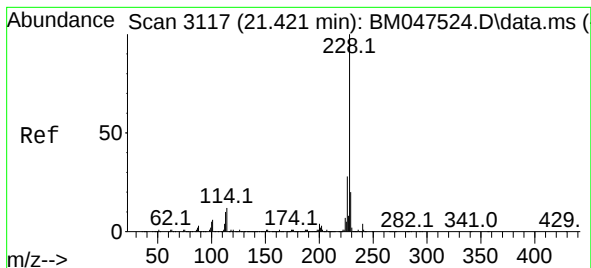
Ion Ratio Lower Upper

149 100

91 81.9 62.0 93.0

206 15.5 13.8 20.8





#81

Benzo(a)anthracene

Concen: 9.226 ng

RT: 21.415 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

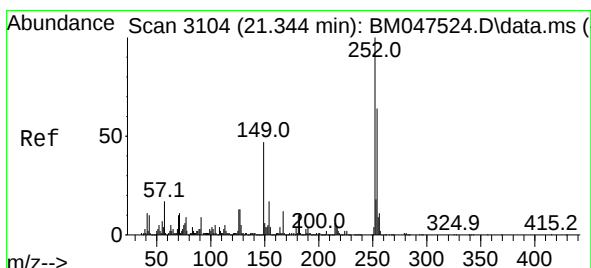
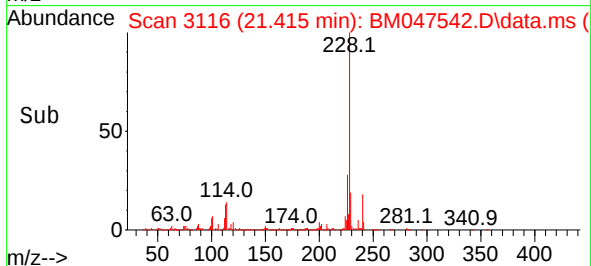
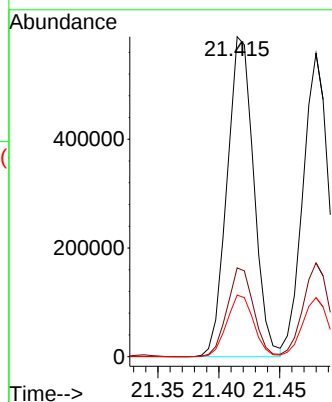
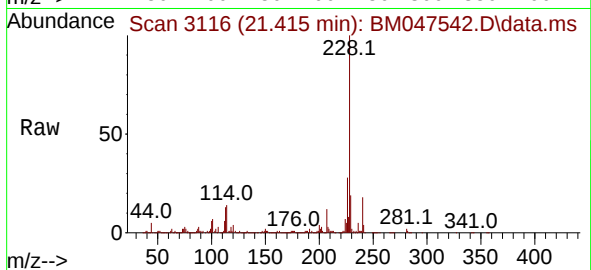
Tgt Ion:228 Resp: 900015

Ion Ratio Lower Upper

228 100

226 27.8 22.4 33.6

229 19.2 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 9.329 ng

RT: 21.339 min Scan# 3103

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

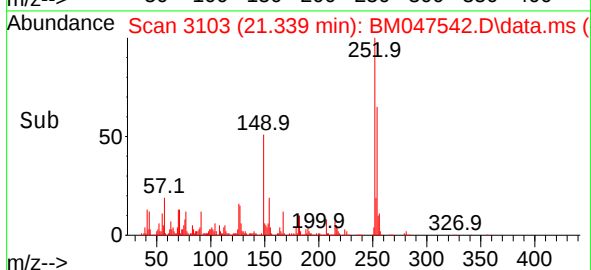
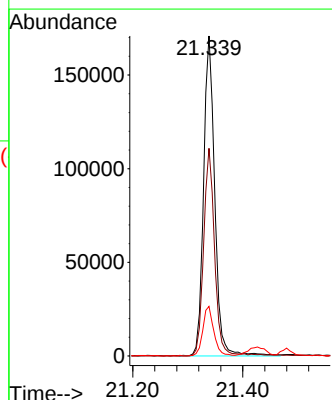
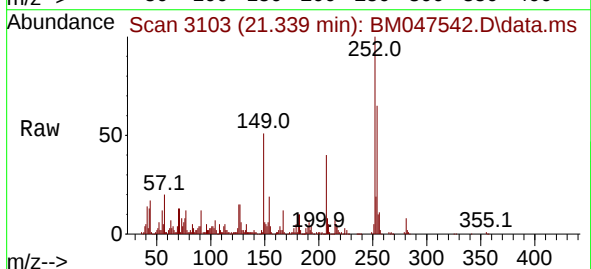
Tgt Ion:252 Resp: 242101

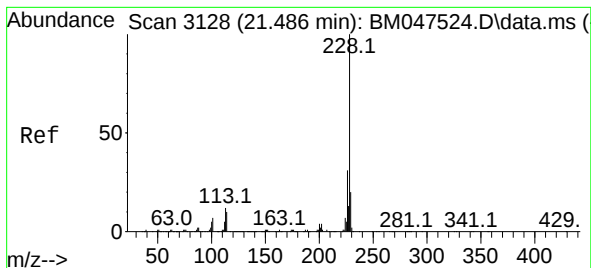
Ion Ratio Lower Upper

252 100

254 64.9 51.5 77.3

126 15.5 10.3 15.5#





#83

Chrysene

Concen: 8.900 ng

RT: 21.480 min Scan# 3128

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

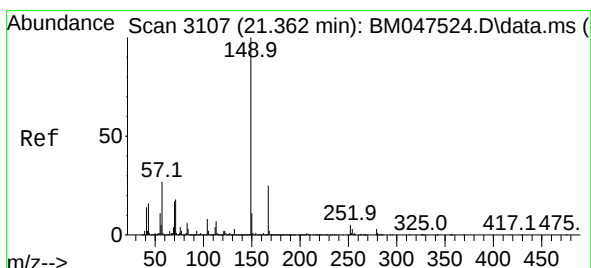
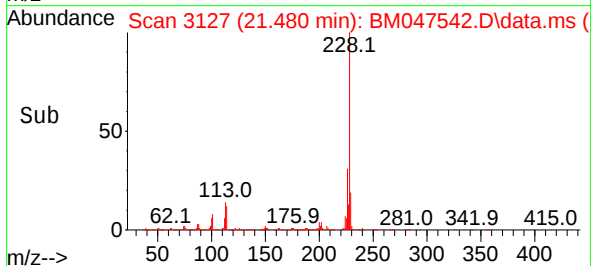
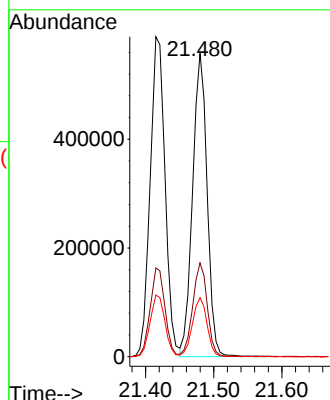
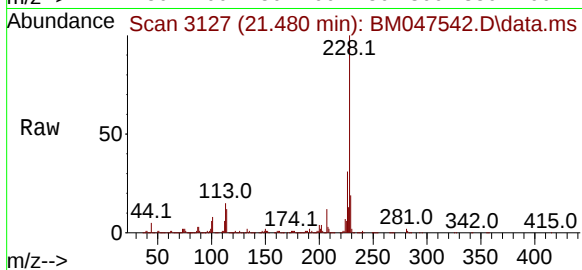
Tgt Ion:228 Resp: 821190

Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.6

229 19.5 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.683 ng

RT: 21.356 min Scan# 3106

Delta R.T. -0.006 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

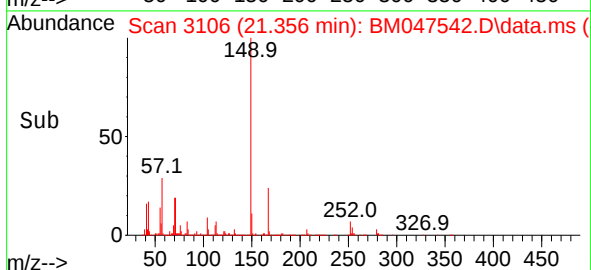
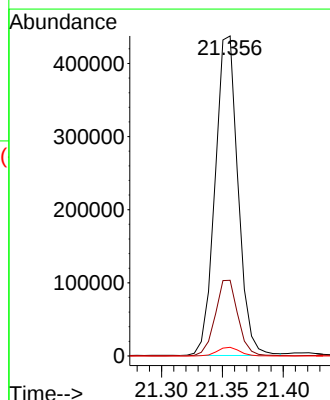
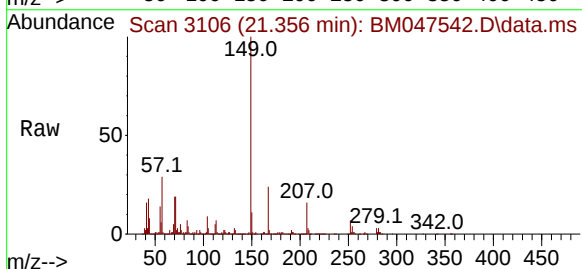
Tgt Ion:149 Resp: 571643

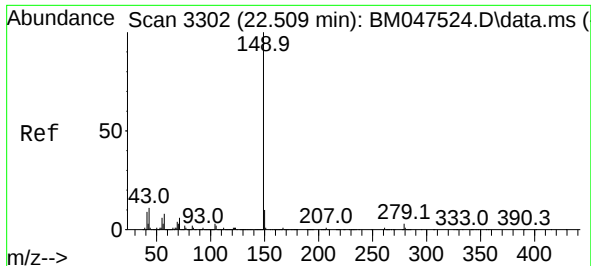
Ion Ratio Lower Upper

149 100

167 23.7 20.2 30.4

279 2.7 2.6 4.0

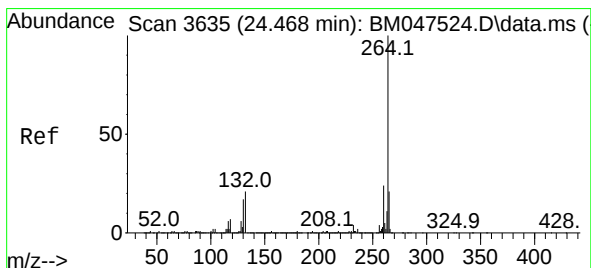
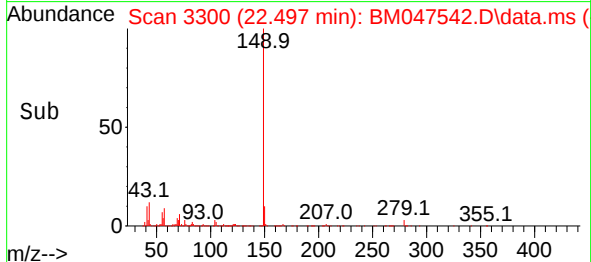
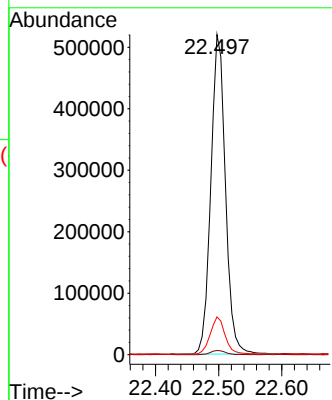
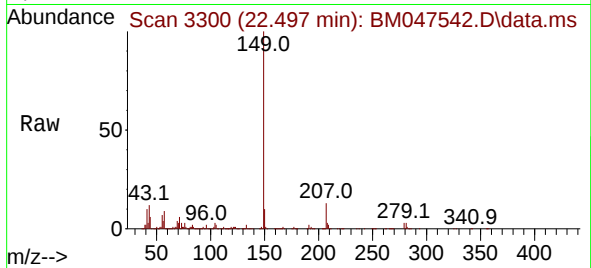




#85
Di-n-octyl phthalate
Concen: 8.933 ng
RT: 22.497 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

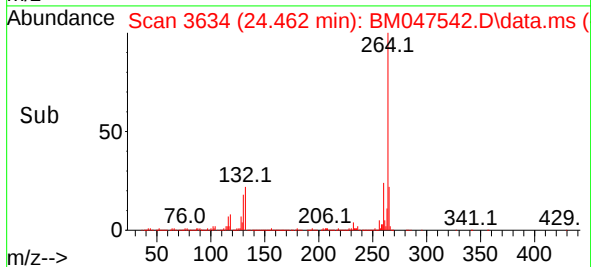
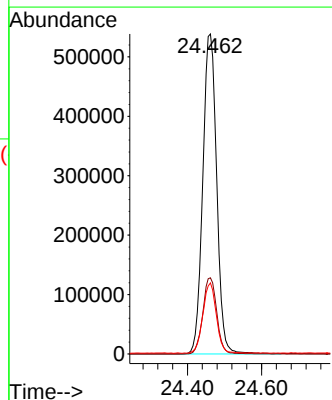
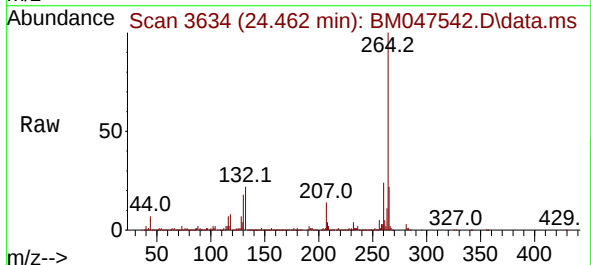
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

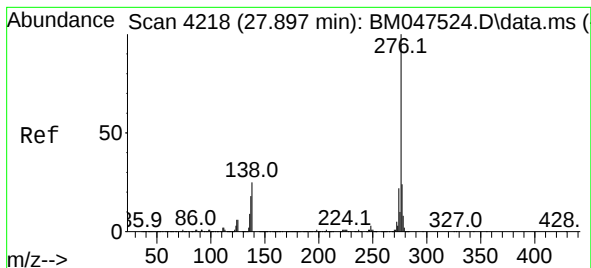
Tgt Ion:149 Resp: 831916
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 12.2 8.9 13.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.462 min Scan# 3634
Delta R.T. -0.006 min
Lab File: BM047542.D
Acq: 17 Sep 2024 13:21

Tgt Ion:264 Resp: 1402476
Ion Ratio Lower Upper
264 100
260 23.8 18.9 28.3
265 22.2 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.519 ng

RT: 27.879 min Scan# 41

Delta R.T. -0.018 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

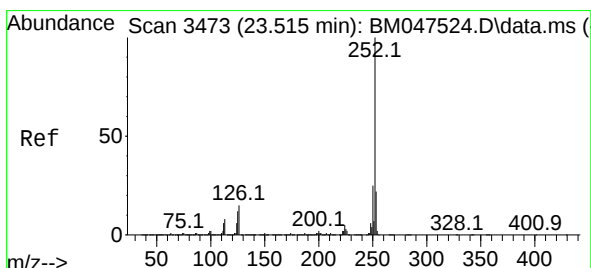
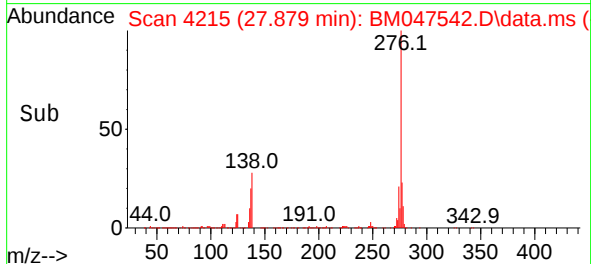
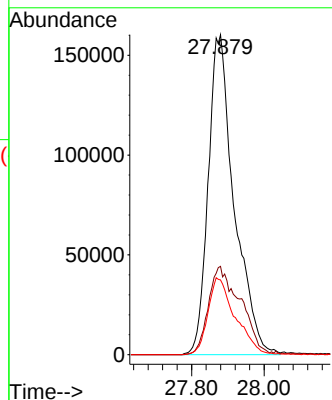
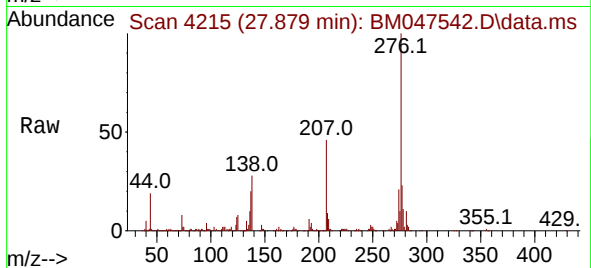
Tgt Ion:276 Resp: 798975

Ion Ratio Lower Upper

276 100

138 33.7 25.0 37.6

277 25.2 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 8.385 ng

RT: 23.503 min Scan# 3471

Delta R.T. -0.012 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

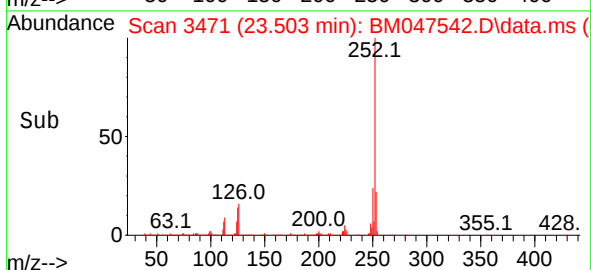
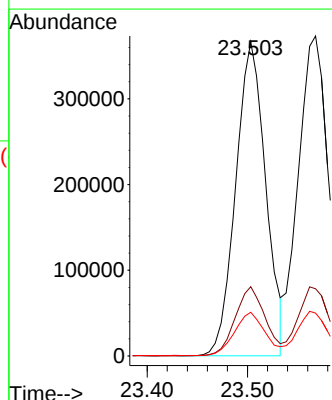
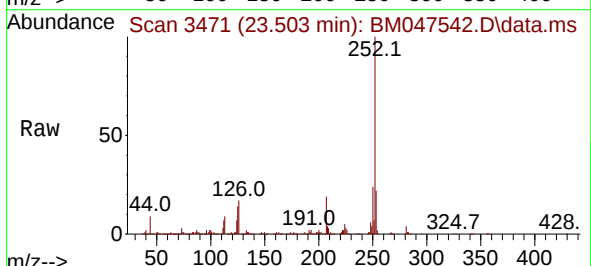
Tgt Ion:252 Resp: 760836

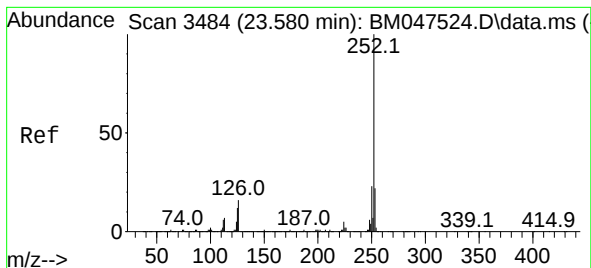
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 13.9 9.5 14.3





#89

Benzo(k)fluoranthene

Concen: 8.929 ng

RT: 23.568 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

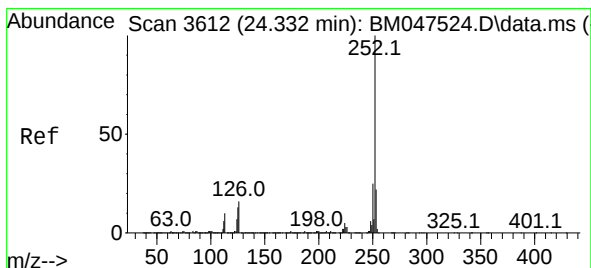
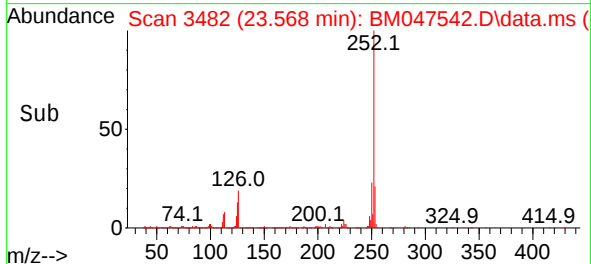
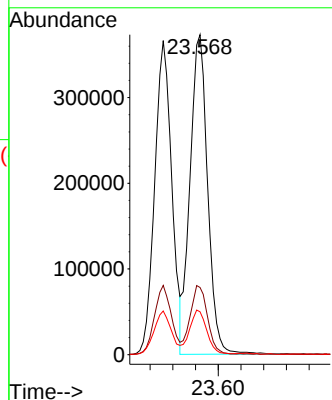
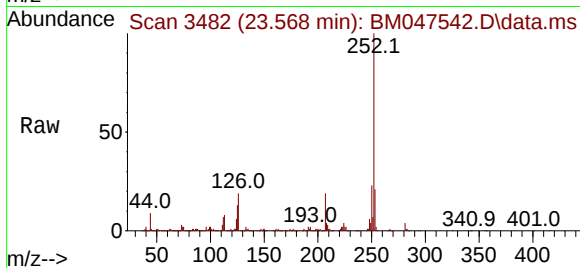
Tgt Ion:252 Resp: 803014

Ion Ratio Lower Upper

252 100

253 21.0 17.8 26.6

125 13.4 9.5 14.3



#90

Benzo(a)pyrene

Concen: 9.210 ng

RT: 24.315 min Scan# 3609

Delta R.T. -0.018 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

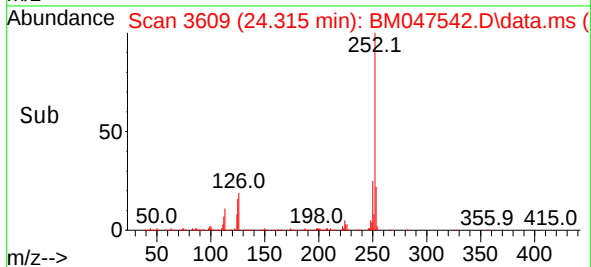
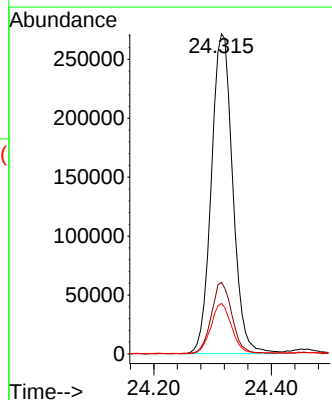
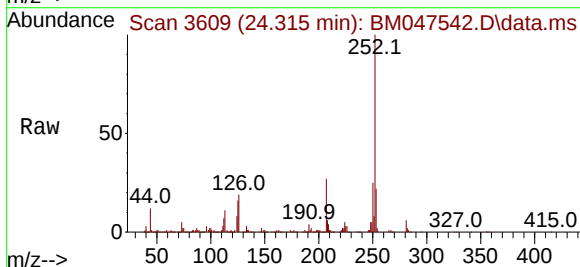
Tgt Ion:252 Resp: 685001

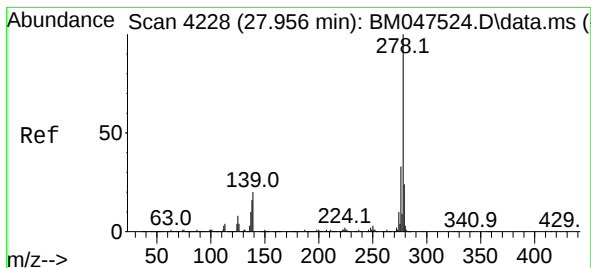
Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 15.8 10.2 15.4#





#91

Dibenzo(a,h)anthracene

Concen: 9.149 ng

RT: 27.932 min Scan# 41

Delta R.T. -0.023 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

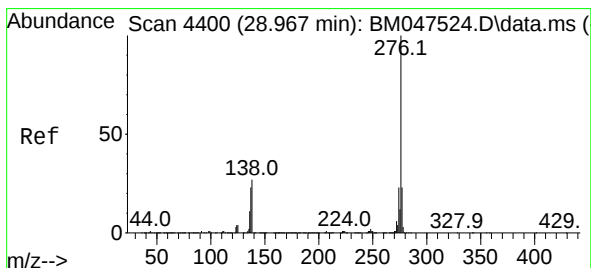
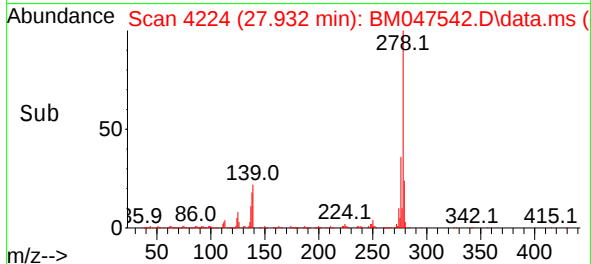
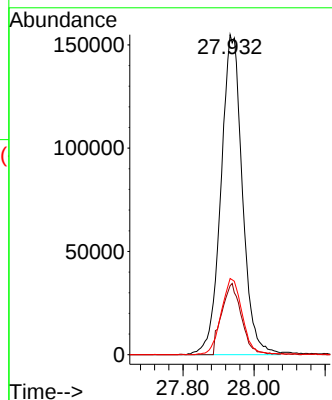
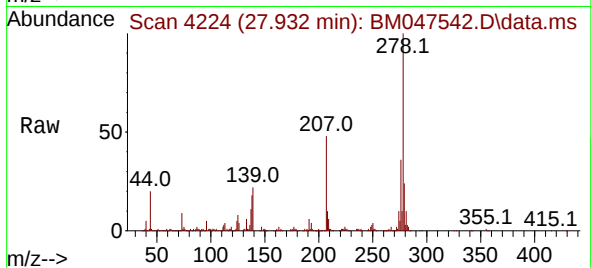
Tgt Ion:278 Resp: 646031

Ion Ratio Lower Upper

278 100

139 21.6 15.9 23.9

279 23.8 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 8.857 ng

RT: 28.932 min Scan# 4394

Delta R.T. -0.035 min

Lab File: BM047542.D

Acq: 17 Sep 2024 13:21

Tgt Ion:276 Resp: 610970

Ion Ratio Lower Upper

276 100

277 24.1 18.6 28.0

138 32.5 21.5 32.3#

