

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081224\
 Data File : BM047161.D
 Acq On : 12 Aug 2024 18:51
 Operator : RC/JU
 Sample : P3390-02
 Misc : LOQ-SOIL-10NG
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

Quant Time: Aug 12 23:43:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Aug 11 23:47:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.375	152	251757	20.000	ng	0.00
21) Naphthalene-d8	10.128	136	1072635	20.000	ng	0.00
39) Acenaphthene-d10	14.027	164	713559	20.000	ng	0.00
64) Phenanthrene-d10	16.792	188	1583554	20.000	ng	0.00
76) Chrysene-d12	21.027	240	1477601	20.000	ng	0.00
86) Perylene-d12	23.721	264	1652889	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	2062887	146.413	ng	0.00
7) Phenol-d6	6.581	99	2876087	148.144	ng	0.00
23) Nitrobenzene-d5	8.522	82	1879458	88.228	ng	0.00
42) 2,4,6-Tribromophenol	15.539	330	1309152	158.228	ng	0.00
45) 2-Fluorobiphenyl	12.639	172	4101256	88.658	ng	0.00
79) Terphenyl-d14	19.462	244	6849820	99.334	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.034	88	69786	11.954	ng	99
3) Pyridine	3.416	79	184697	10.789	ng	97
4) n-Nitrosodimethylamine	3.328	42	86101	11.512	ng	# 95
6) Aniline	6.722	93	260401	14.191	ng	99
8) 2-Chlorophenol	6.945	128	179996	11.713	ng	98
9) Benzaldehyde	6.540	77	160093	11.956	ng	99
10) Phenol	6.604	94	218352	11.272	ng	94
11) bis(2-Chloroethyl)ether	6.822	93	194498	11.724	ng	98
12) 1,3-Dichlorobenzene	7.257	146	204014	11.172	ng	96
13) 1,4-Dichlorobenzene	7.404	146	213458	11.545	ng	99
14) 1,2-Dichlorobenzene	7.716	146	205614	11.787	ng	99
15) Benzyl Alcohol	7.622	79	176861	12.800	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.898	45	260432	12.234	ng	98
17) 2-Methylphenol	7.828	107	149034	11.532	ng	97
18) Hexachloroethane	8.422	117	78730	10.993	ng	92
19) n-Nitroso-di-n-propyla...	8.181	70	164935	12.613	ng	98
20) 3+4-Methylphenols	8.157	107	207645	11.493	ng	97
22) Acetophenone	8.192	105	309696	11.961	ng	# 98
24) Nitrobenzene	8.557	77	243216	11.339	ng	99
25) Isophorone	9.086	82	440787	11.884	ng	99
26) 2-Nitrophenol	9.263	139	97254	10.238	ng	99
27) 2,4-Dimethylphenol	9.339	122	105347	9.467	ng	99
28) bis(2-Chloroethoxy)met...	9.569	93	272039	11.656	ng	99
29) 2,4-Dichlorophenol	9.792	162	180849	10.953	ng	100
30) 1,2,4-Trichlorobenzene	9.998	180	203570	10.895	ng	98
31) Naphthalene	10.175	128	600046	11.229	ng	100
32) Benzoic acid	9.457	122	105793	8.183	ng	96
33) 4-Chloroaniline	10.304	127	252665	12.296	ng	99
34) Hexachlorobutadiene	10.463	225	111775	10.220	ng	98
35) Caprolactam	11.092	113	65495	11.422	ng	94
36) 4-Chloro-3-methylphenol	11.445	107	193164	10.985	ng	99
37) 2-Methylnaphthalene	11.804	142	428101	11.252	ng	99
38) 1-Methylnaphthalene	12.027	142	416953	11.089	ng	99
40) 1,2,4,5-Tetrachloroben...	12.186	216	221630	11.387	ng	99
41) Hexachlorocyclopentadiene	12.163	237	84213	12.391	ng	98
43) 2,4,6-Trichlorophenol	12.439	196	146261	10.573	ng	96

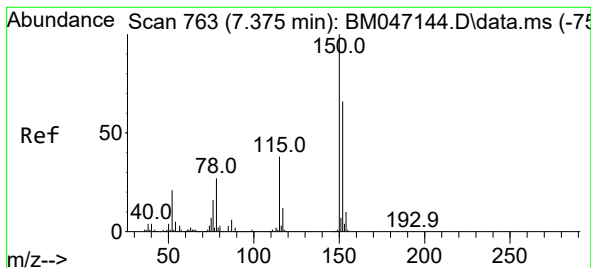
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081224\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Aug 11 23:47:58 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.516	196	162658	10.590	ng	98
46) 1,1'-Biphenyl	12.851	154	587413	11.563	ng	98
47) 2-Chloronaphthalene	12.886	162	469651	11.829	ng	98
48) 2-Nitroaniline	13.110	65	142379	11.446	ng	94
49) Acenaphthylene	13.745	152	758706	12.963	ng	99
50) Dimethylphthalate	13.504	163	596509	11.970	ng	99
51) 2,6-Dinitrotoluene	13.621	165	127430	10.938	ng	97
52) Acenaphthene	14.092	154	436934	11.769	ng	100
53) 3-Nitroaniline	13.951	138	133290	11.418	ng	96
54) 2,4-Dinitrophenol	14.168	184	60246	8.628	ng	92
55) Dibenzofuran	14.433	168	723739	12.342	ng	99
56) 4-Nitrophenol	14.292	139	108982	10.827	ng	95
57) 2,4-Dinitrotoluene	14.421	165	170279	10.951	ng	93
58) Fluorene	15.092	166	589261	12.179	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.674	232	142744	11.308	ng	97
60) Diethylphthalate	14.892	149	593222	11.657	ng	99
61) 4-Chlorophenyl-phenyle...	15.098	204	272350	11.823	ng	98
62) 4-Nitroaniline	15.127	138	137352	11.943	ng	99
63) Azobenzene	15.392	77	589166	12.210	ng	98
65) 4,6-Dinitro-2-methylph...	15.192	198	84964	9.164	ng	93
66) n-Nitrosodiphenylamine	15.315	169	504503	11.697	ng	99
67) 4-Bromophenyl-phenylether	15.992	248	161007	10.551	ng	94
68) Hexachlorobenzene	16.098	284	203191	11.118	ng	96
69) Atrazine	16.286	200	178563	13.758	ng	99
70) Pentachlorophenol	16.451	266	111604	8.712	ng	99
71) Phenanthrene	16.833	178	943782	11.876	ng	99
72) Anthracene	16.921	178	877707	11.350	ng	100
73) Carbazole	17.204	167	901383	11.417	ng	100
74) Di-n-butylphthalate	17.792	149	1021747	11.122	ng	99
75) Fluoranthene	18.868	202	1071940	11.089	ng	99
77) Benzidine	19.074	184	276312	11.027	ng	99
78) Pyrene	19.233	202	1132355	10.733	ng	99
80) Butylbenzylphthalate	20.174	149	453526	10.533	ng	98
81) Benzo(a)anthracene	21.009	228	1116610	11.383	ng	99
82) 3,3'-Dichlorobenzidine	20.950	252	399356	13.012	ng	98
83) Chrysene	21.068	228	1044253	11.220	ng	98
84) Bis(2-ethylhexyl)phtha...	20.974	149	675013	11.055	ng	98
85) Di-n-octyl phthalate	22.003	149	1097355	10.573	ng	97
87) Indeno(1,2,3-cd)pyrene	26.709	276	1261370	11.806	ng	99
88) Benzo(b)fluoranthene	22.880	252	1139847	11.612	ng	99
89) Benzo(k)fluoranthene	22.933	252	1095959	11.821	ng	99
90) Benzo(a)pyrene	23.591	252	980509	11.531	ng	99
91) Dibenzo(a,h)anthracene	26.756	278	1052591	12.174	ng	98
92) Benzo(g,h,i)perylene	27.626	276	1034376	11.523	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.375 min Scan# 7

Delta R.T. -0.000 min

Lab File: BM047161.D

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Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

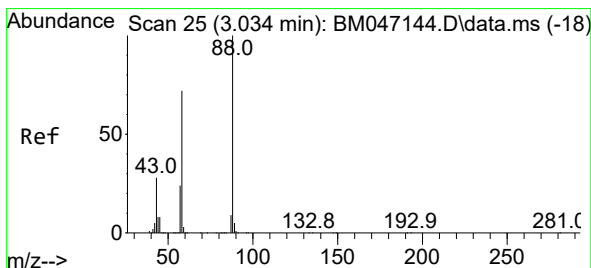
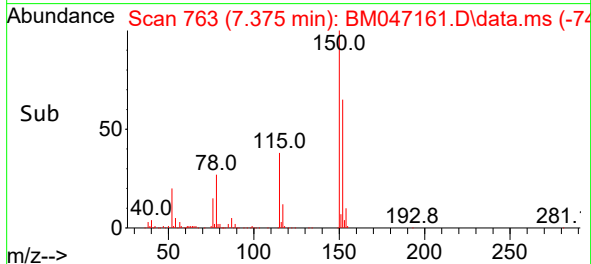
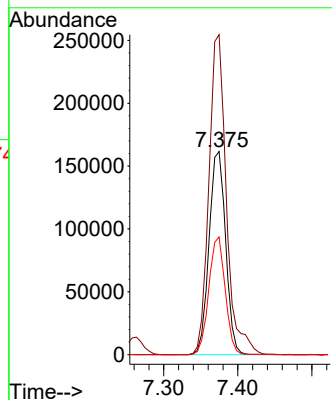
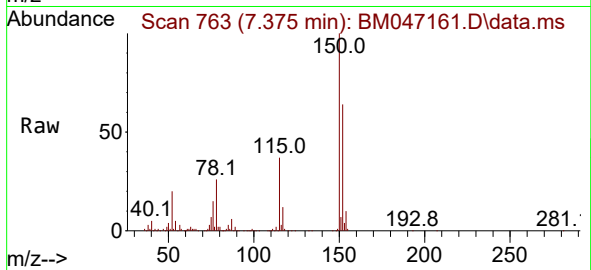
Tgt Ion:152 Resp: 251757

Ion Ratio Lower Upper

152 100

150 157.4 120.5 180.7

115 57.9 45.5 68.3



#2

1,4-Dioxane

Concen: 11.954 ng

RT: 3.034 min Scan# 25

Delta R.T. -0.000 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

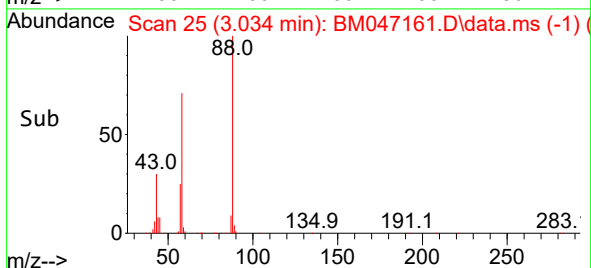
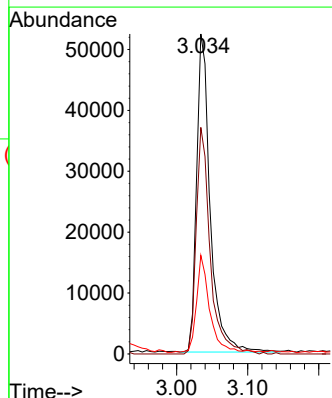
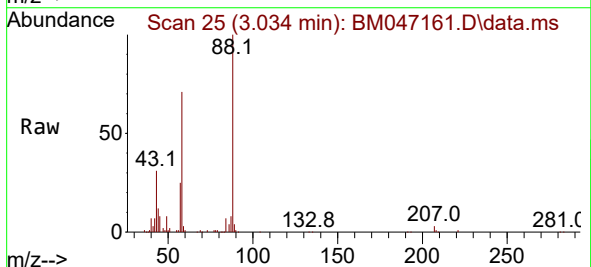
Tgt Ion: 88 Resp: 69786

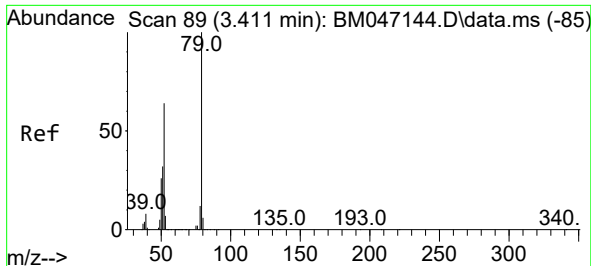
Ion Ratio Lower Upper

88 100

58 72.9 58.2 87.4

43 29.1 22.5 33.7

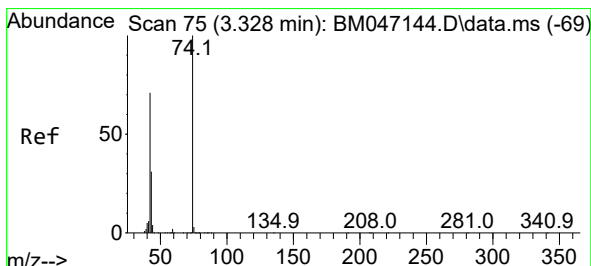
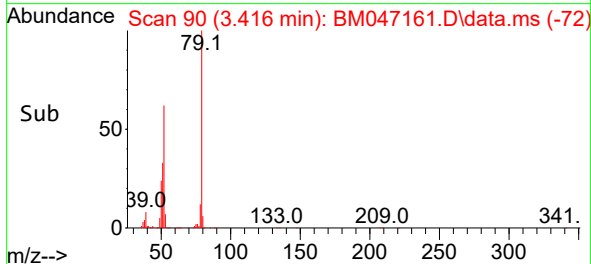
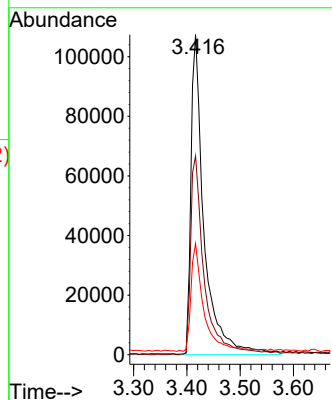
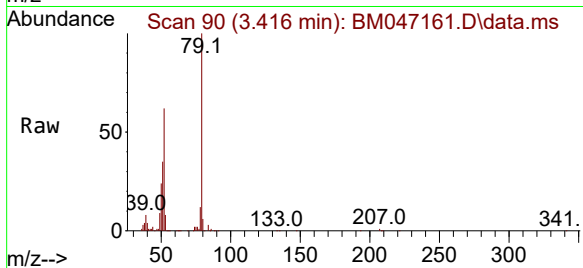




#3
 Pyridine
 Concen: 10.789 ng
 RT: 3.416 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: BM047161.D
 Acq: 12 Aug 2024 18:51

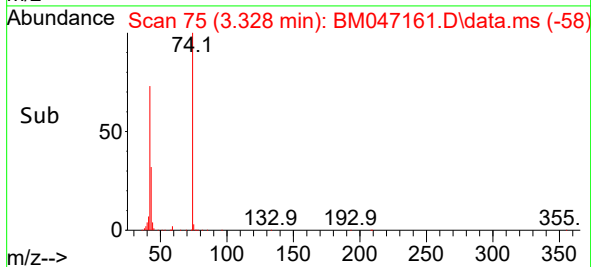
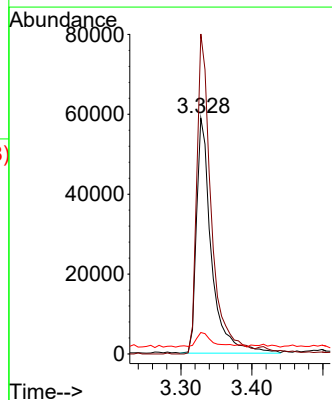
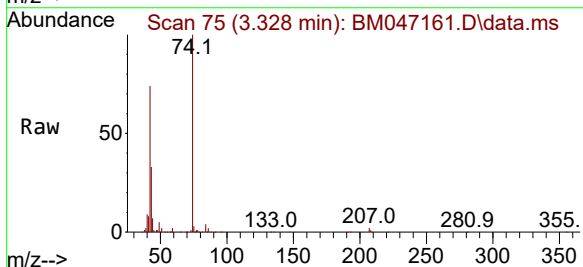
Instrument :
 BNA_M
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 LOQ-SOIL-02-QT3-2024

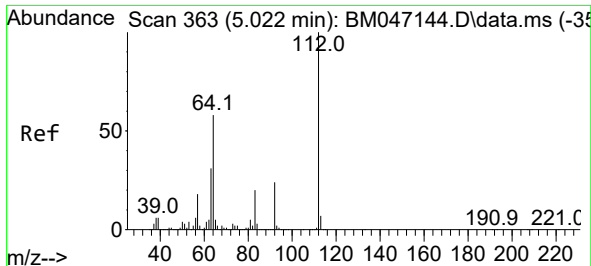
Tgt Ion: 79 Resp: 184697
 Ion Ratio Lower Upper
 79 100
 52 62.1 51.2 76.8
 51 34.7 26.1 39.1



#4
 n-Nitrosodimethylamine
 Concen: 11.512 ng
 RT: 3.328 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: BM047161.D
 Acq: 12 Aug 2024 18:51

Tgt Ion: 42 Resp: 86101
 Ion Ratio Lower Upper
 42 100
 74 135.7 112.9 169.3
 44 9.1 5.3 7.9#

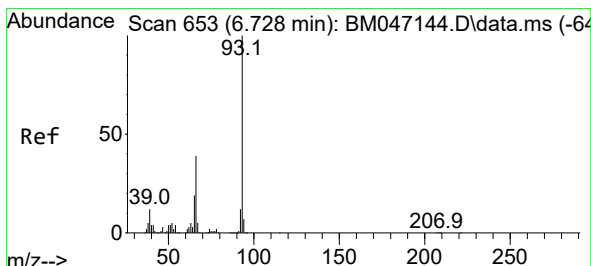
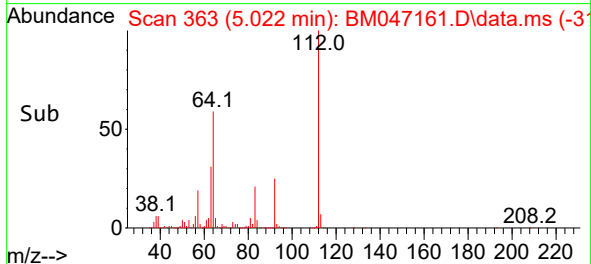
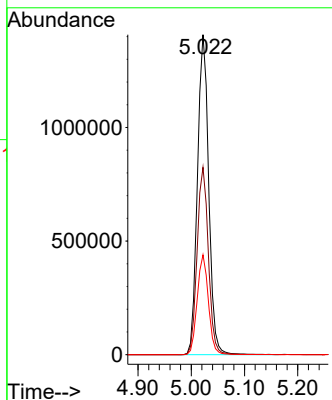
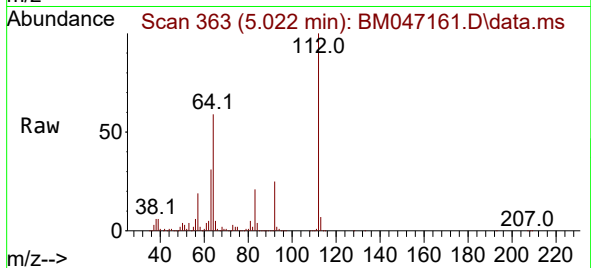




#5
2-Fluorophenol
Concen: 146.413 ng
RT: 5.022 min Scan# 363
Delta R.T. -0.000 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

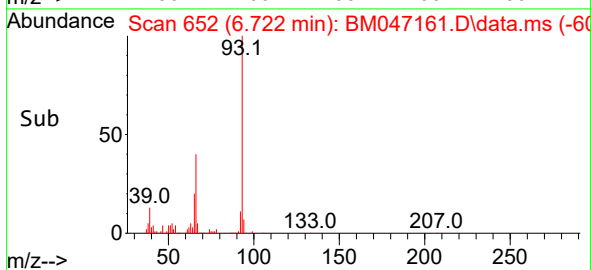
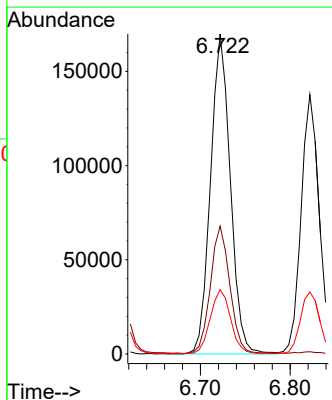
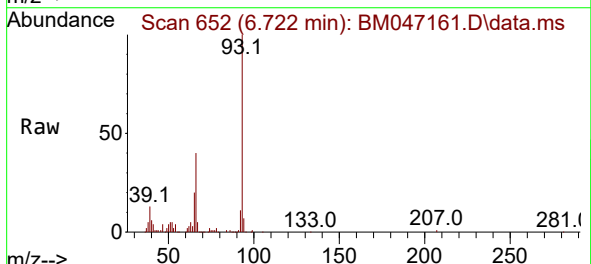
Instrument :
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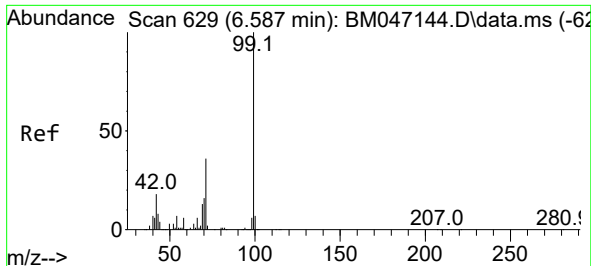
Tgt Ion:112 Resp: 2062887
Ion Ratio Lower Upper
112 100
64 58.5 46.7 70.1
63 31.2 24.8 37.2



#6
Aniline
Concen: 14.191 ng
RT: 6.722 min Scan# 652
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

Tgt Ion: 93 Resp: 260401
Ion Ratio Lower Upper
93 100
66 40.0 31.4 47.2
65 20.1 15.6 23.4

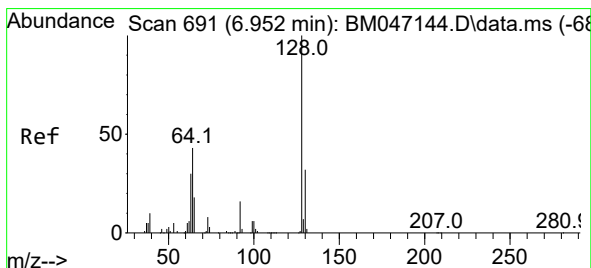
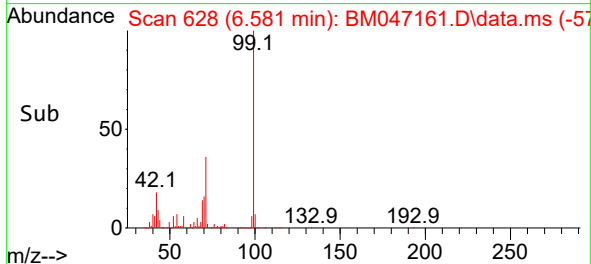
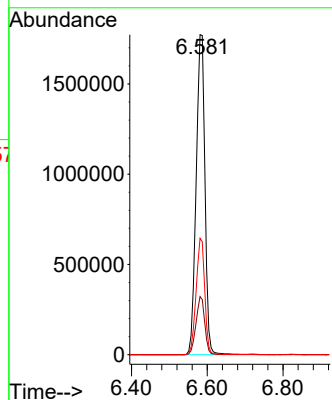
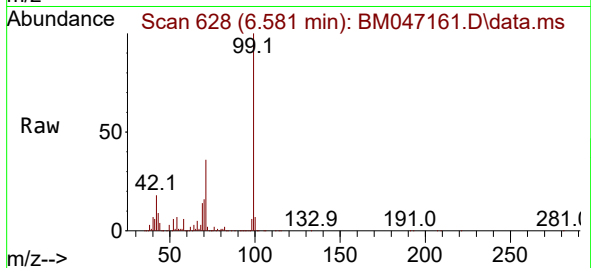




#7
Phenol-d6
Concen: 148.144 ng
RT: 6.581 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

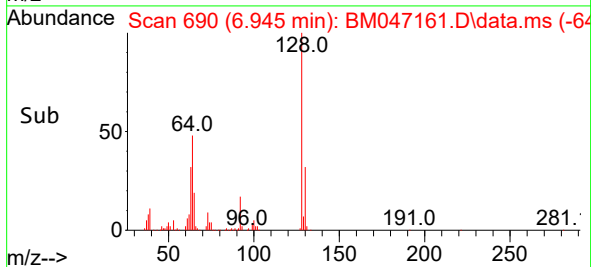
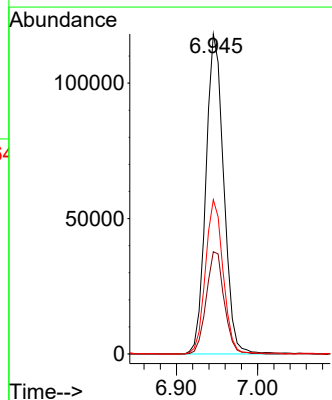
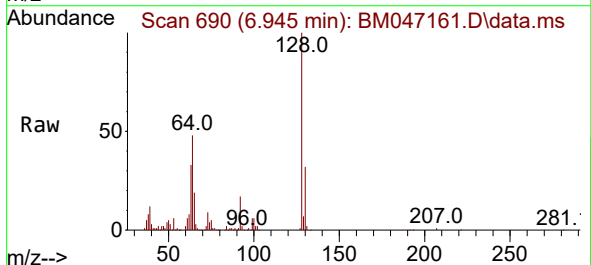
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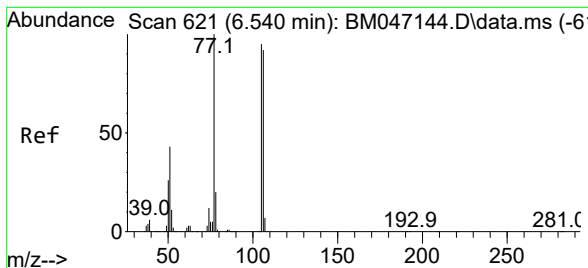
Tgt Ion: 99 Resp: 2876087
Ion Ratio Lower Upper
99 100
42 18.1 14.1 21.1
71 36.4 28.5 42.7



#8
2-Chlorophenol
Concen: 11.713 ng
RT: 6.945 min Scan# 690
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

Tgt Ion: 128 Resp: 179996
Ion Ratio Lower Upper
128 100
130 32.0 12.1 52.1
64 48.2 26.6 66.6





#9

Benzaldehyde

Concen: 11.956 ng

RT: 6.540 min Scan# 61

Delta R.T. -0.000 min

Lab File: BM047161.D

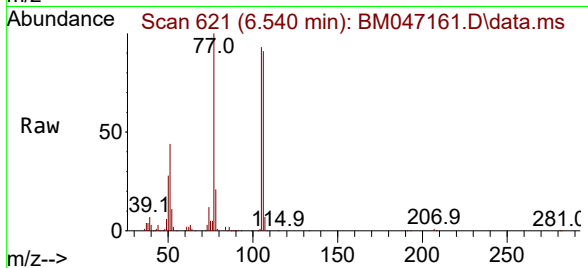
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Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024



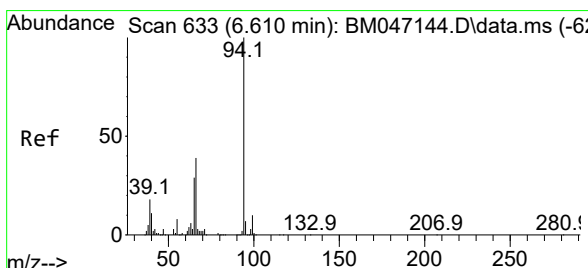
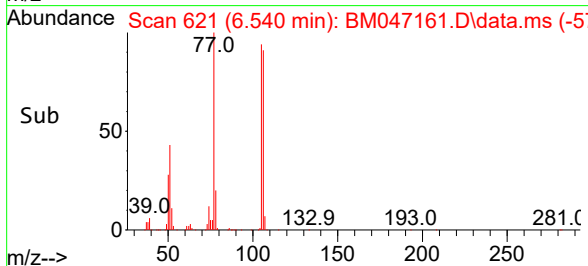
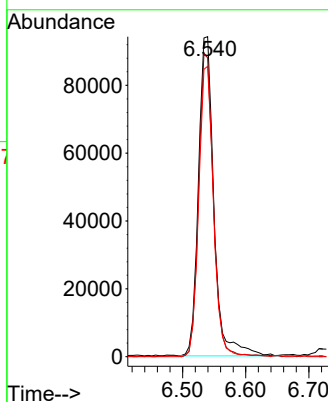
Tgt Ion: 77 Resp: 160093

Ion Ratio Lower Upper

77 100

105 93.4 74.5 114.5

106 90.7 72.3 112.3



#10

Phenol

Concen: 11.272 ng

RT: 6.604 min Scan# 632

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

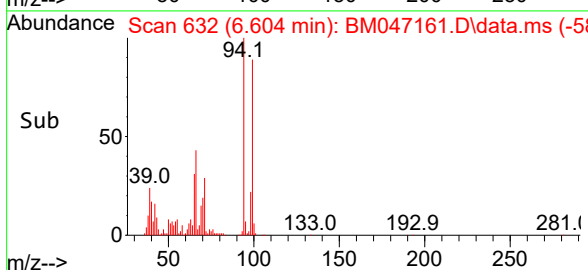
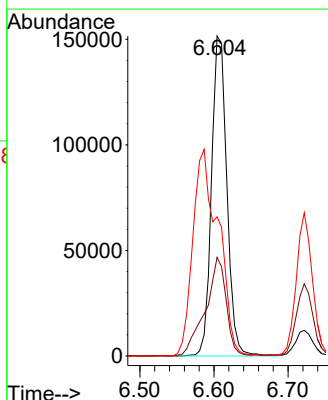
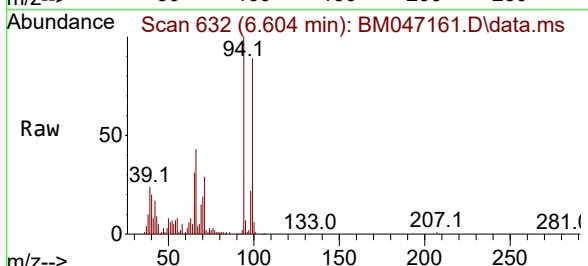
Tgt Ion: 94 Resp: 218352

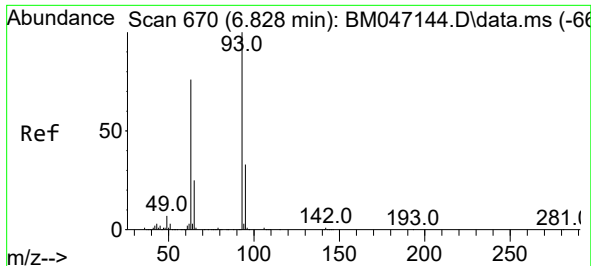
Ion Ratio Lower Upper

94 100

65 30.8 9.0 49.0

66 43.5 18.9 58.9

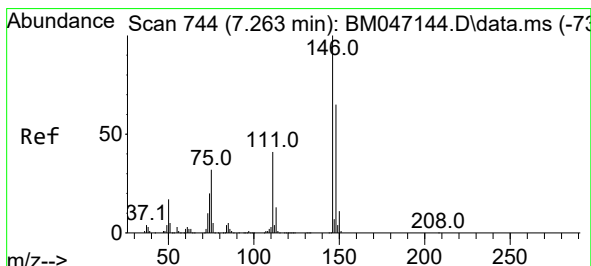
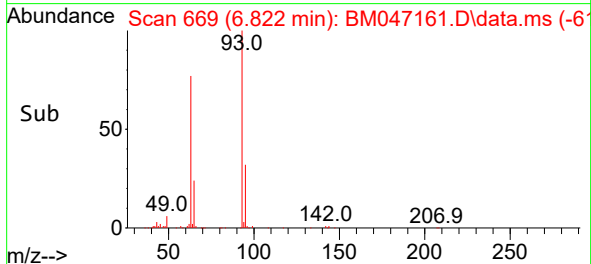
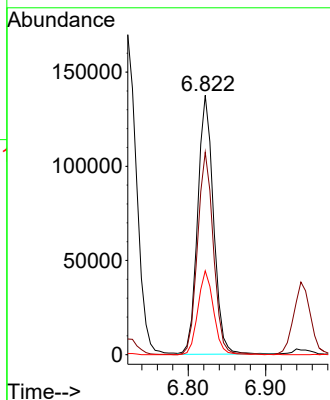
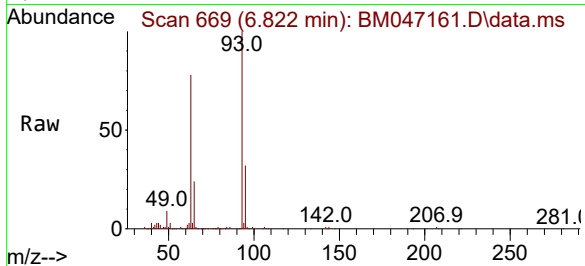




#11
bis(2-Chloroethyl)ether
Concen: 11.724 ng
RT: 6.822 min Scan# 610
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

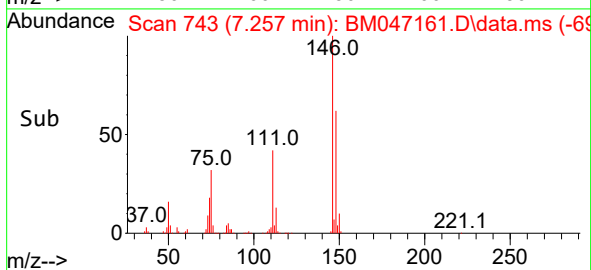
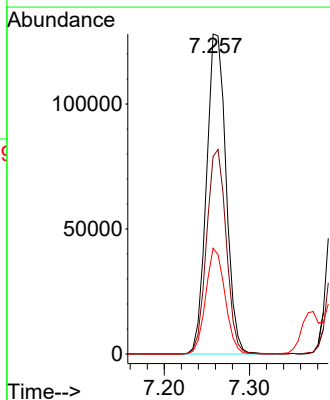
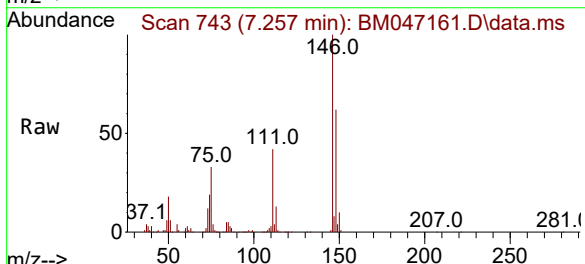
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

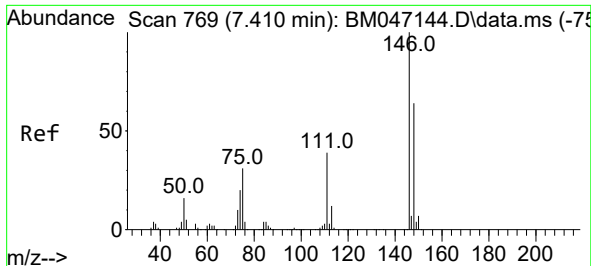
Tgt Ion: 93 Resp: 194498
Ion Ratio Lower Upper
93 100
63 78.0 55.8 95.8
95 32.3 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 11.172 ng
RT: 7.257 min Scan# 743
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

Tgt Ion:146 Resp: 204014
Ion Ratio Lower Upper
146 100
148 61.7 52.3 78.5
75 33.1 25.8 38.6

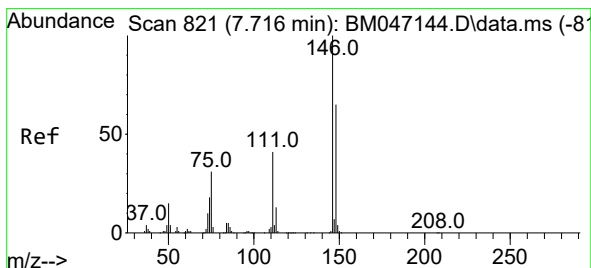
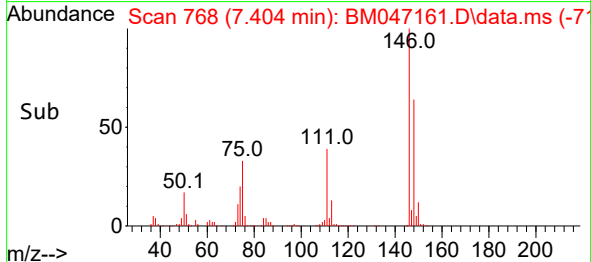
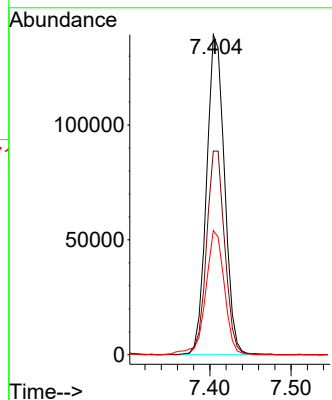
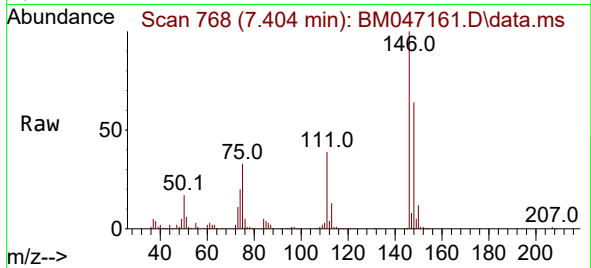




#13
1,4-Dichlorobenzene
Concen: 11.545 ng
RT: 7.404 min Scan# 70
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

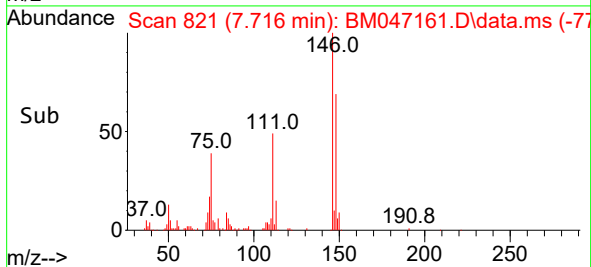
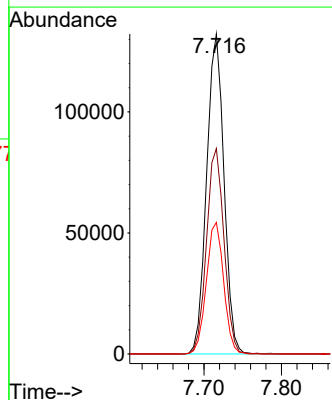
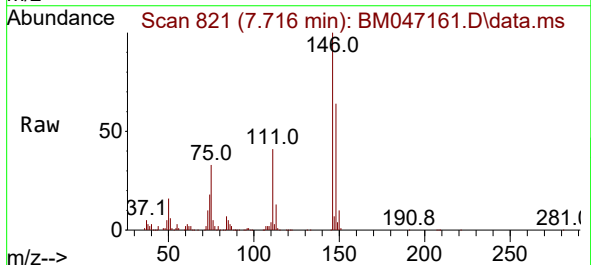
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

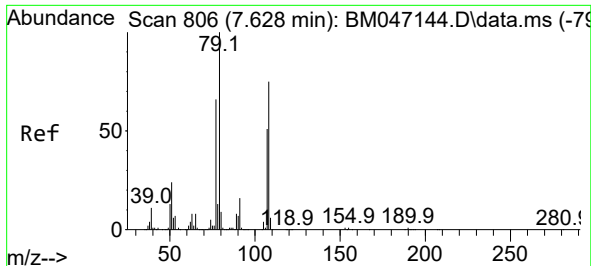
Tgt Ion:146 Resp: 213458
Ion Ratio Lower Upper
146 100
148 63.7 51.4 77.2
111 38.8 31.5 47.3



#14
1,2-Dichlorobenzene
Concen: 11.787 ng
RT: 7.716 min Scan# 821
Delta R.T. -0.000 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

Tgt Ion:146 Resp: 205614
Ion Ratio Lower Upper
146 100
148 64.2 51.8 77.8
111 41.1 33.3 49.9

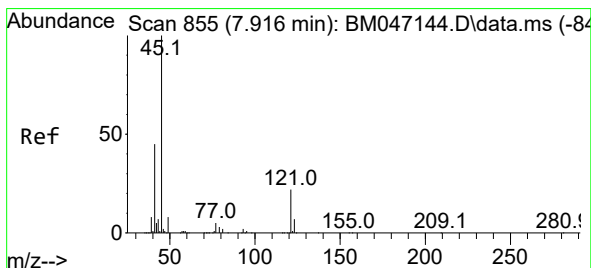
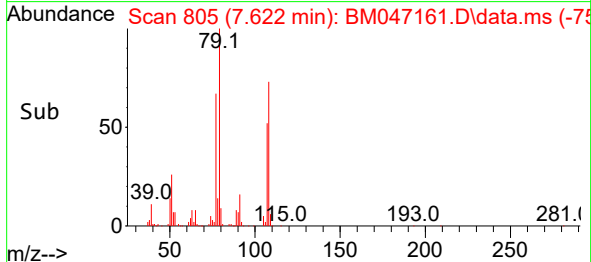
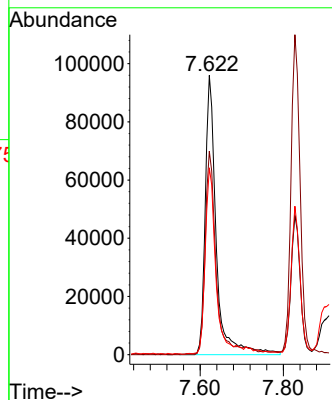
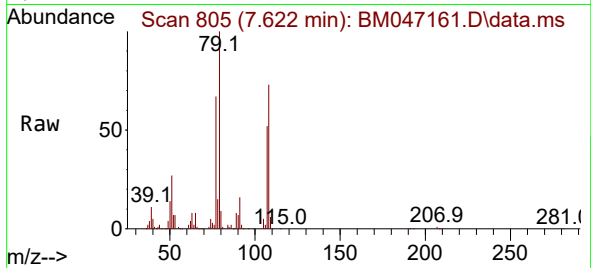




#15
Benzyl Alcohol
Concen: 12.800 ng
RT: 7.622 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

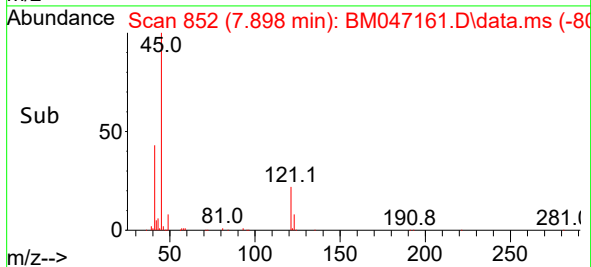
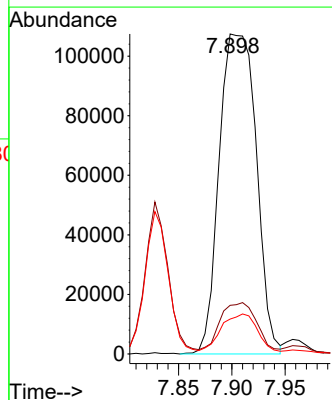
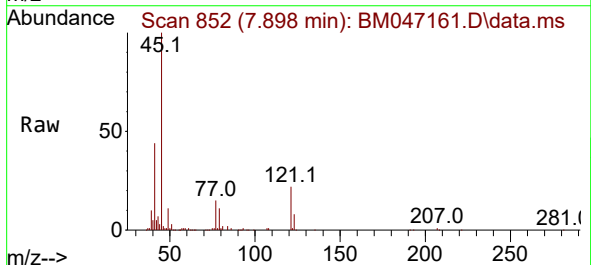
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

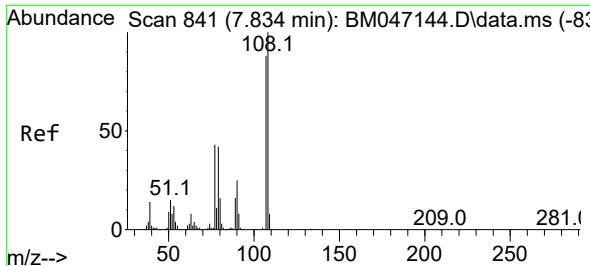
Tgt Ion: 79 Resp: 176861
Ion Ratio Lower Upper
79 100
108 72.9 59.7 89.5
77 66.9 52.9 79.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 12.234 ng
RT: 7.898 min Scan# 852
Delta R.T. -0.018 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

Tgt Ion: 45 Resp: 260432
Ion Ratio Lower Upper
45 100
77 15.2 0.0 35.6
79 10.9 0.0 32.4

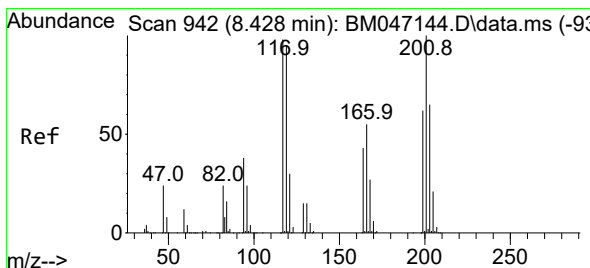
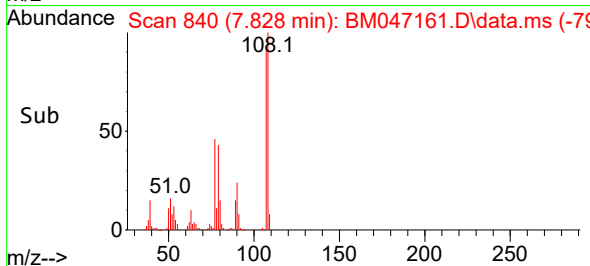
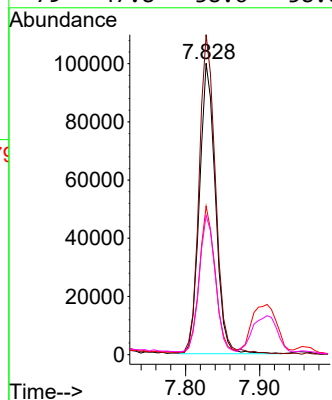
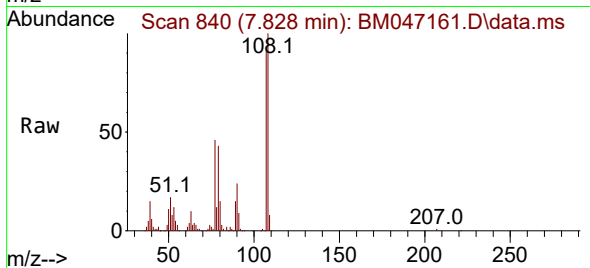




#17
2-Methylphenol
Concen: 11.532 ng
RT: 7.828 min Scan# 841
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

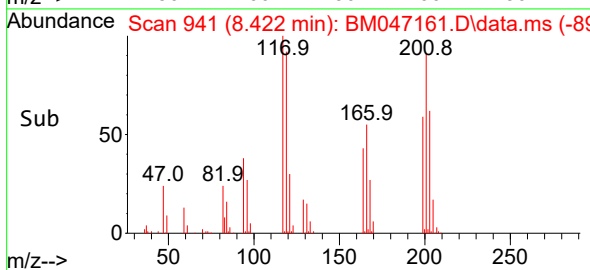
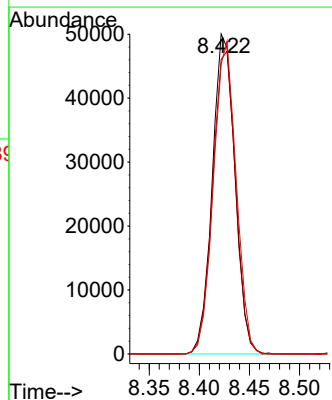
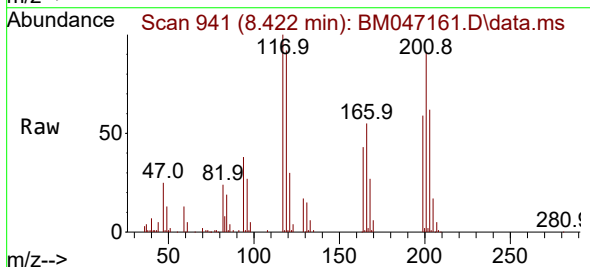
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

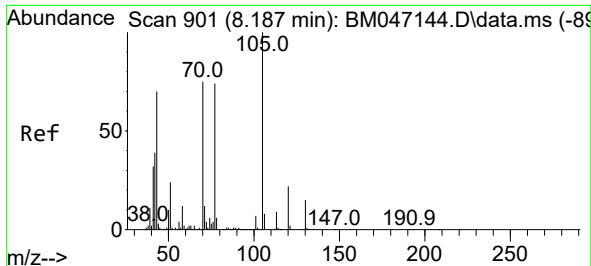
Tgt Ion:	107	Resp:	149034
Ion	Ratio	Lower	Upper
107	100		
108	109.8	90.6	135.8
77	51.0	39.3	58.9
79	47.8	38.6	58.0



#18
Hexachloroethane
Concen: 10.993 ng
RT: 8.422 min Scan# 941
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

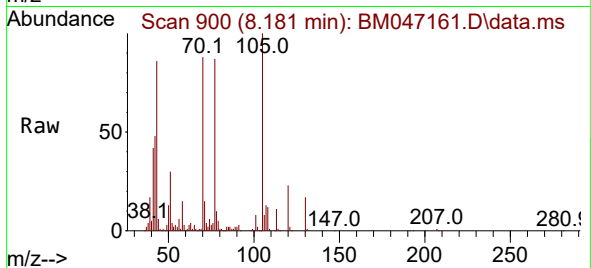
Tgt Ion:	117	Resp:	78730
Ion	Ratio	Lower	Upper
117	100		
119	92.0	77.0	115.4
201	90.6	81.3	121.9



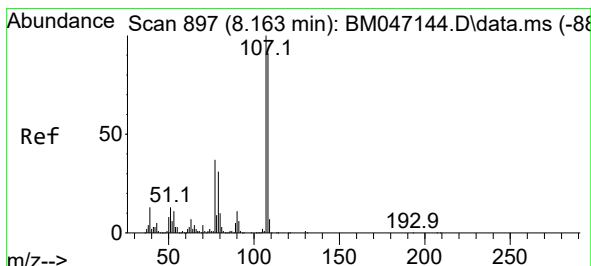
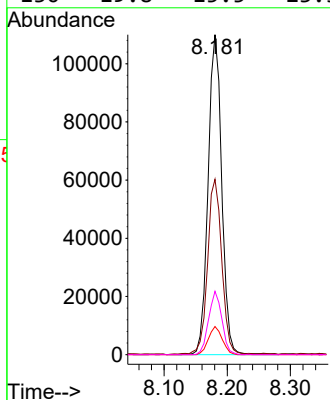
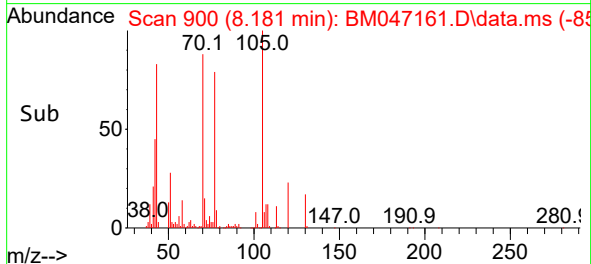


#19
n-Nitroso-di-n-propylamine
Concen: 12.613 ng
RT: 8.181 min Scan# 901
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

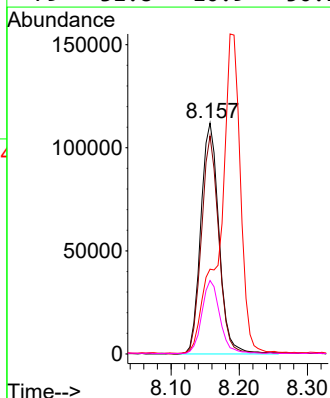
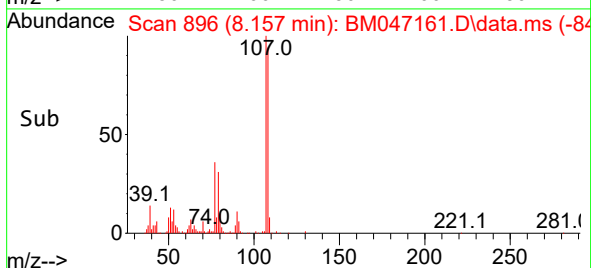
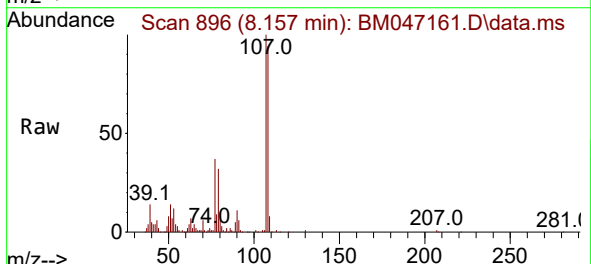


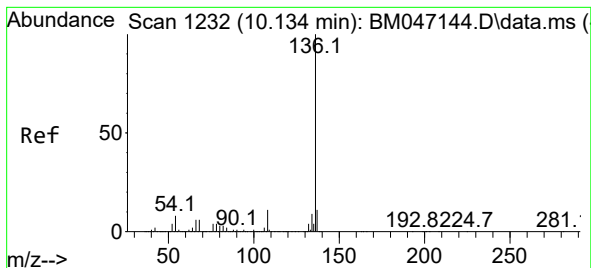
Tgt Ion:	70	Resp:	164935
Ion	Ratio	Lower	Upper
70	100		
42	54.8	42.0	63.0
101	8.8	7.2	10.8
130	19.8	15.5	23.3



#20
3+4-Methylphenols
Concen: 11.493 ng
RT: 8.157 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

Tgt Ion:	107	Resp:	207645
Ion	Ratio	Lower	Upper
107	100		
108	94.5	70.7	110.7
77	36.7	17.4	57.4
79	31.8	10.9	50.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.128 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:136 Resp: 1072635

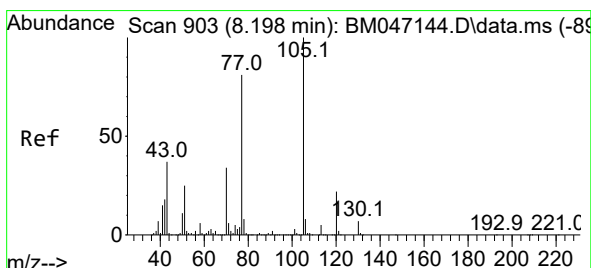
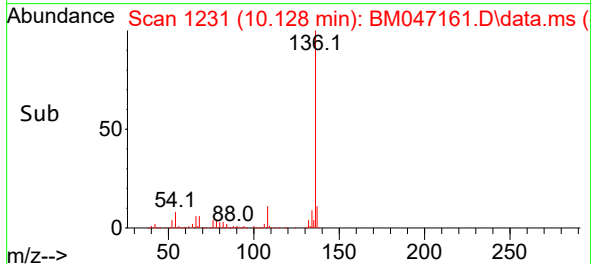
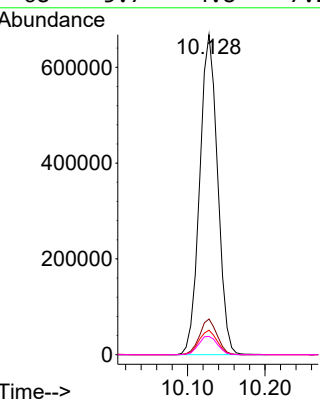
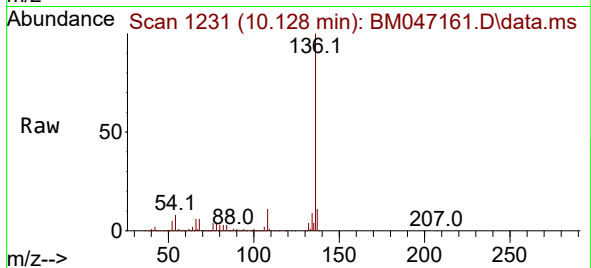
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 7.7 6.0 9.0

68 5.7 4.8 7.2



#22

Acetophenone

Concen: 11.961 ng

RT: 8.192 min Scan# 902

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

Tgt Ion:105 Resp: 309696

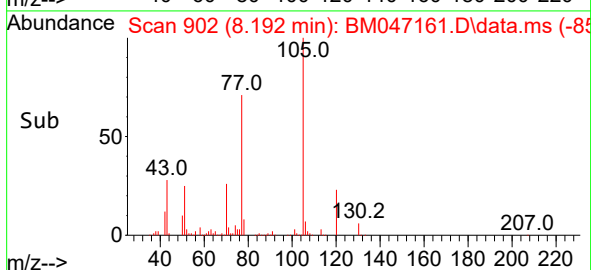
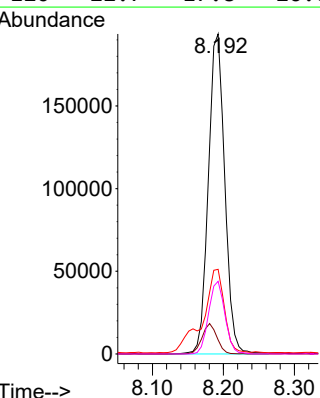
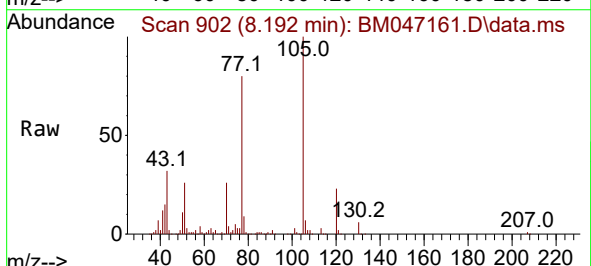
Ion Ratio Lower Upper

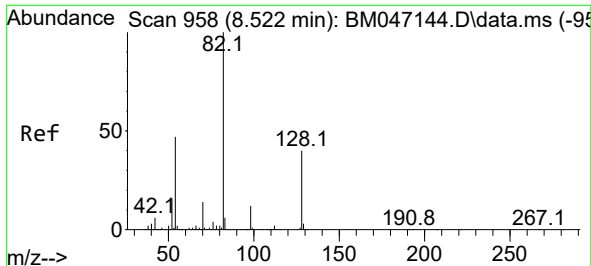
105 100

71 4.4 4.5 6.7#

51 26.5 20.1 30.1

120 22.7 17.8 26.6

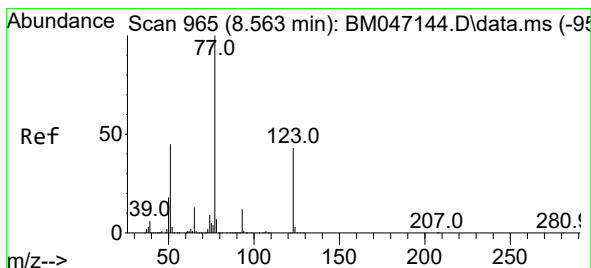
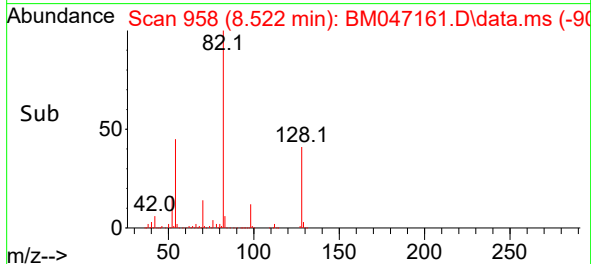
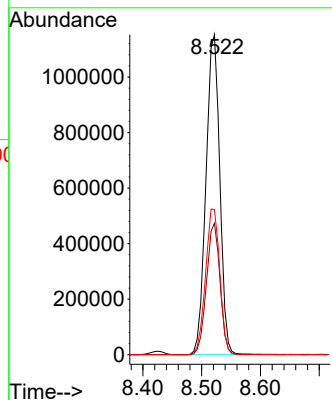
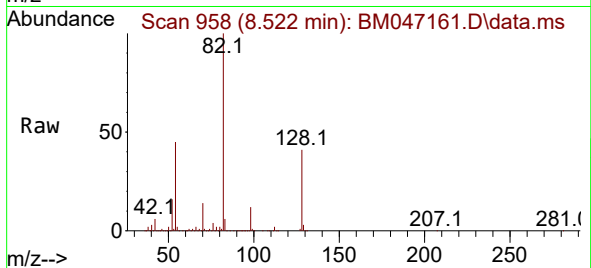




#23
Nitrobenzene-d5
Concen: 88.228 ng
RT: 8.522 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

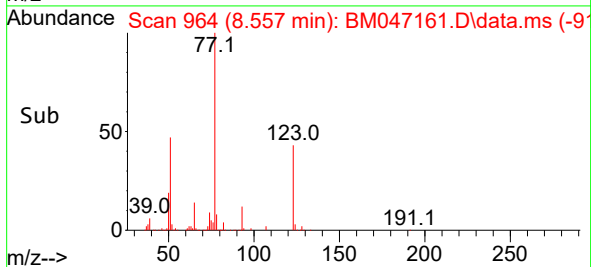
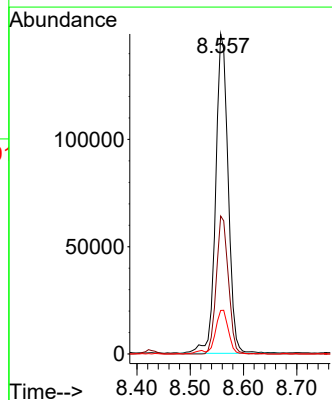
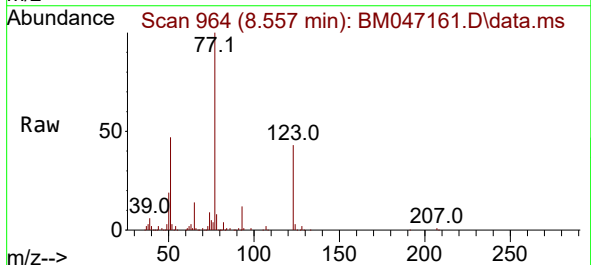
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

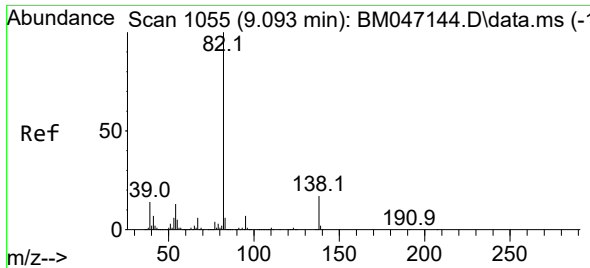
Tgt Ion: 82 Resp: 1879458
Ion Ratio Lower Upper
82 100
128 41.1 32.3 48.5
54 45.4 37.4 56.2



#24
Nitrobenzene
Concen: 11.339 ng
RT: 8.557 min Scan# 964
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

Tgt Ion: 77 Resp: 243216
Ion Ratio Lower Upper
77 100
123 43.1 34.0 51.0
65 13.6 10.5 15.7





#25

Isophorone

Concen: 11.884 ng

RT: 9.086 min Scan# 1054

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

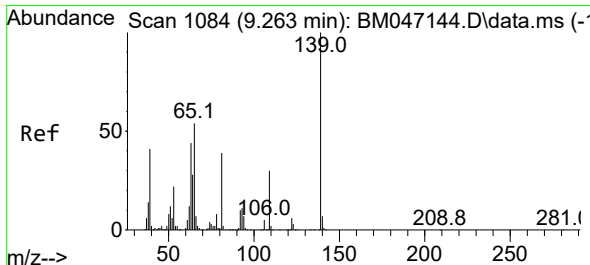
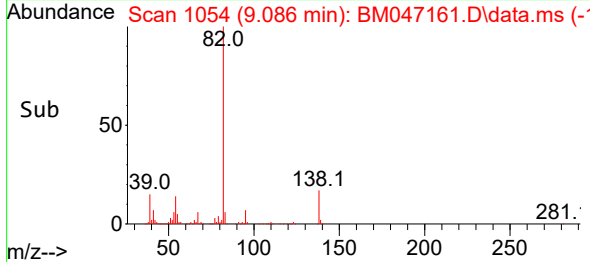
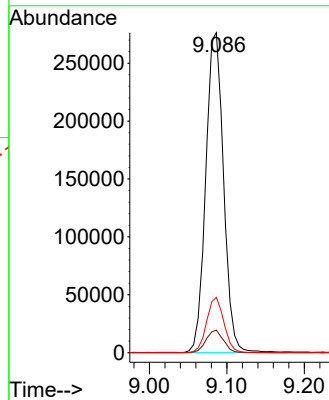
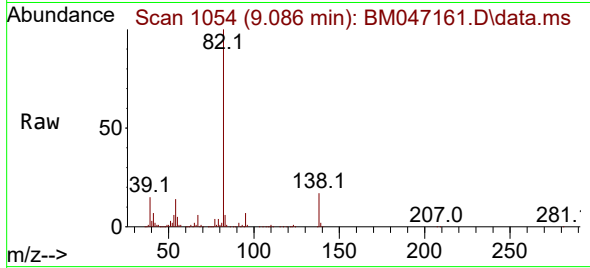
Tgt Ion: 82 Resp: 440787

Ion Ratio Lower Upper

82 100

95 7.1 5.5 8.3

138 17.3 13.5 20.3



#26

2-Nitrophenol

Concen: 10.238 ng

RT: 9.263 min Scan# 1084

Delta R.T. -0.000 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

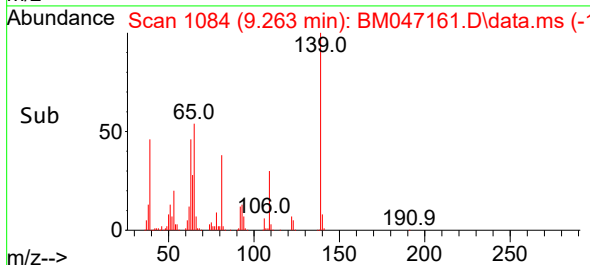
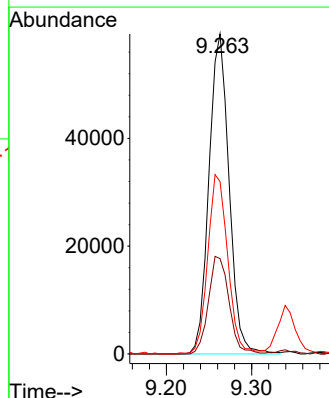
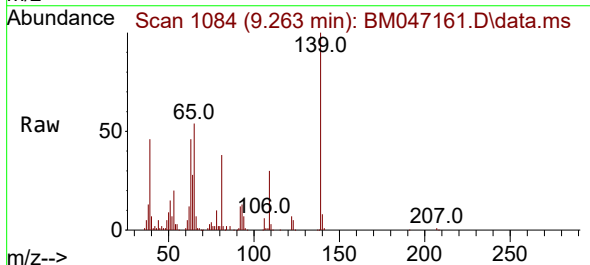
Tgt Ion: 139 Resp: 97254

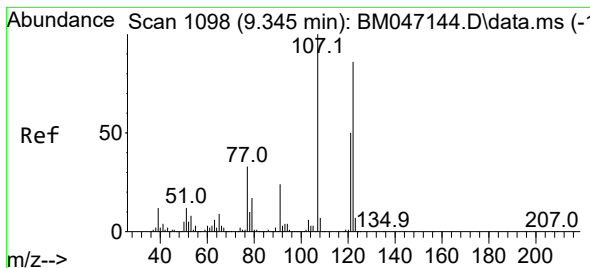
Ion Ratio Lower Upper

139 100

109 29.8 24.4 36.6

65 53.9 43.0 64.6





#27

2,4-Dimethylphenol

Concen: 9.467 ng

RT: 9.339 min Scan# 1097

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

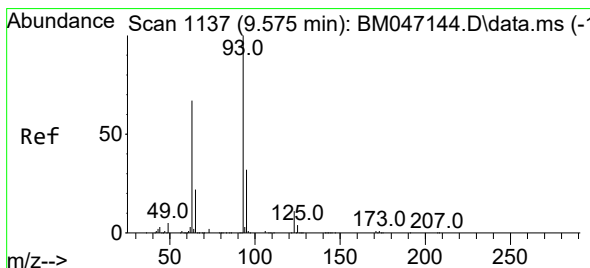
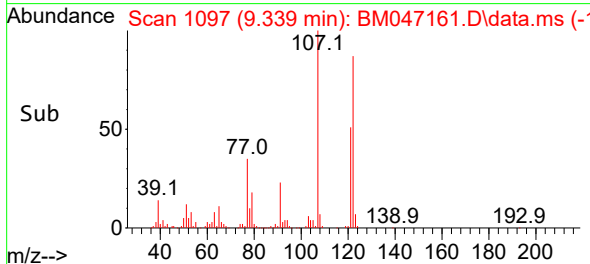
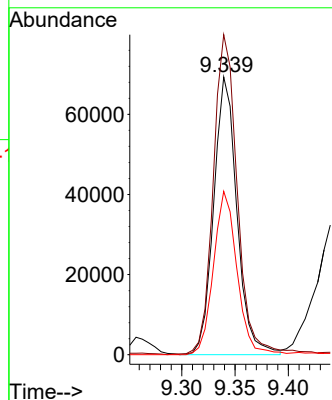
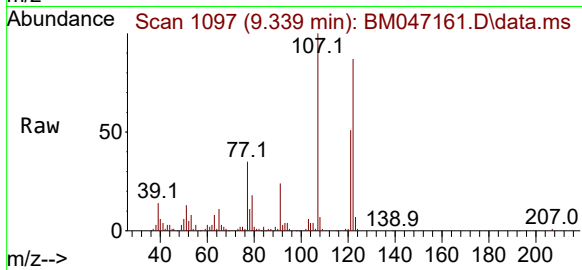
Tgt Ion:122 Resp: 105347

Ion Ratio Lower Upper

122 100

107 115.2 92.8 139.2

121 58.8 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 11.656 ng

RT: 9.569 min Scan# 1136

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

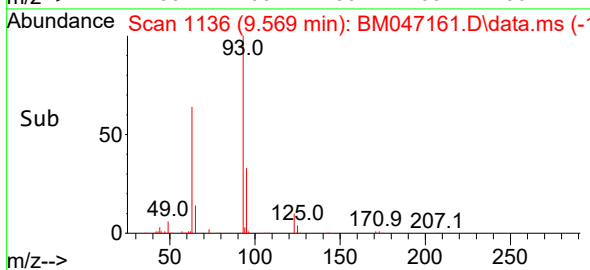
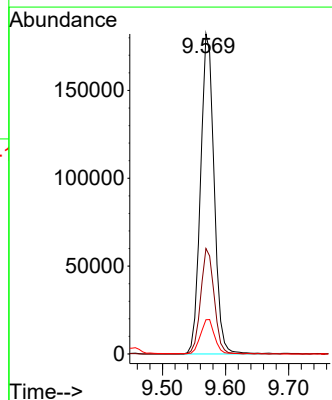
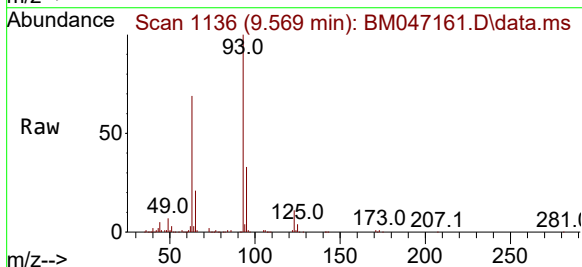
Tgt Ion: 93 Resp: 272039

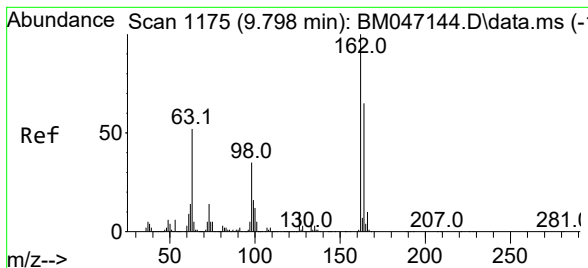
Ion Ratio Lower Upper

93 100

95 32.9 25.8 38.8

123 10.7 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 10.953 ng

RT: 9.792 min Scan# 1175

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

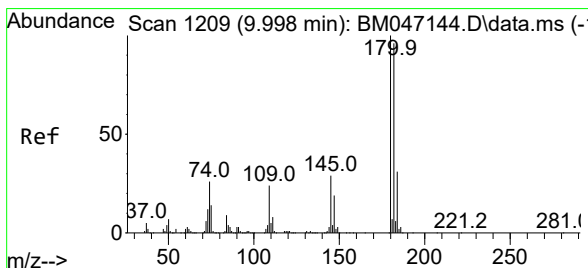
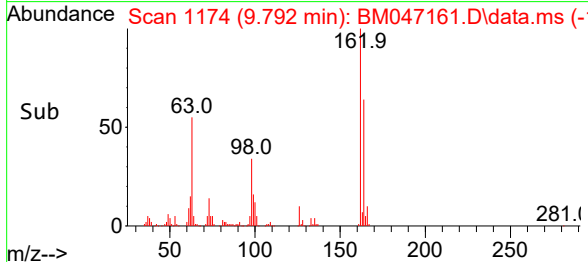
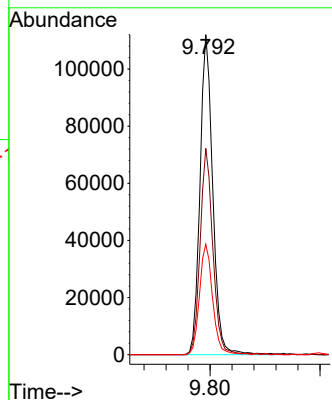
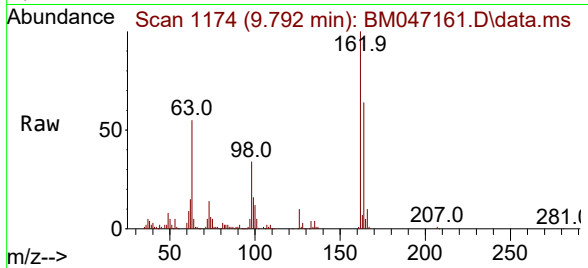
Tgt Ion:162 Resp: 180849

Ion Ratio Lower Upper

162 100

164 64.4 44.7 84.7

98 34.5 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 10.895 ng

RT: 9.998 min Scan# 1209

Delta R.T. -0.000 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

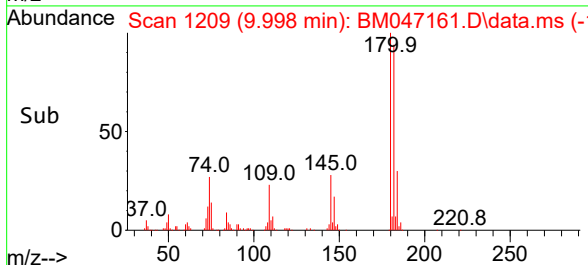
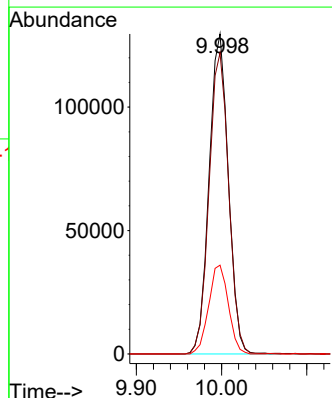
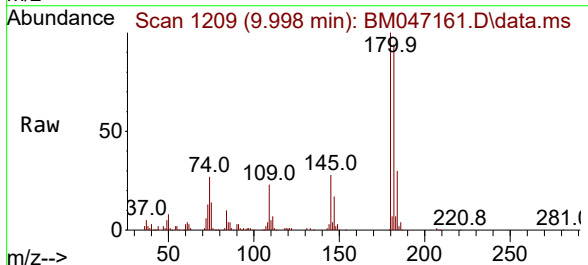
Tgt Ion:180 Resp: 203570

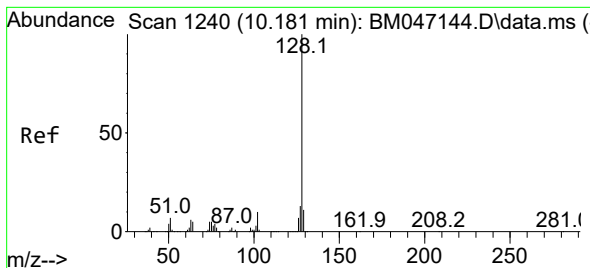
Ion Ratio Lower Upper

180 100

182 94.1 76.6 115.0

145 27.8 23.4 35.2





#31

Naphthalene

Concen: 11.229 ng

RT: 10.175 min Scan# 1117

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

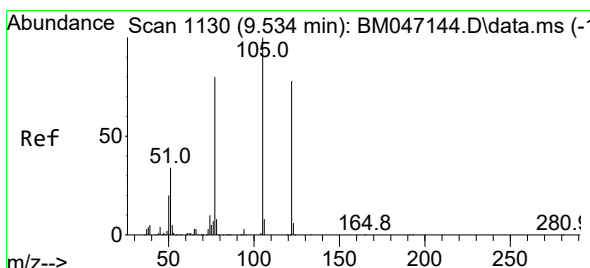
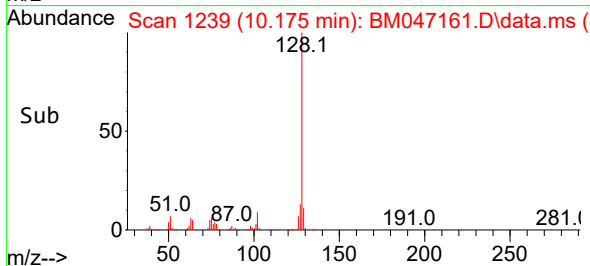
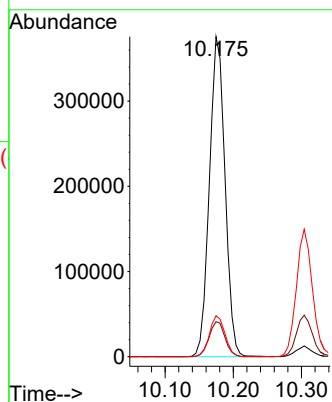
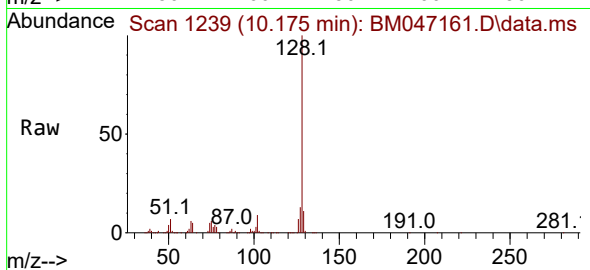
Tgt Ion:128 Resp: 600046

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

127 12.8 10.2 15.4



#32

Benzoic acid

Concen: 8.183 ng

RT: 9.457 min Scan# 1117

Delta R.T. -0.077 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

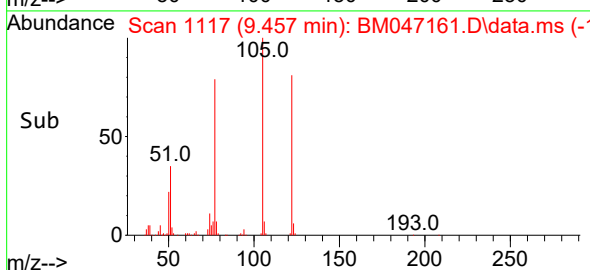
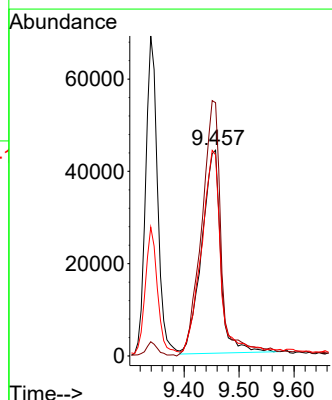
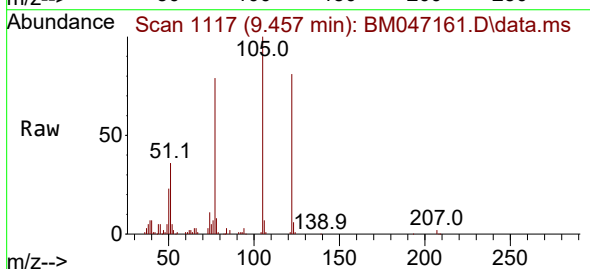
Tgt Ion:122 Resp: 105793

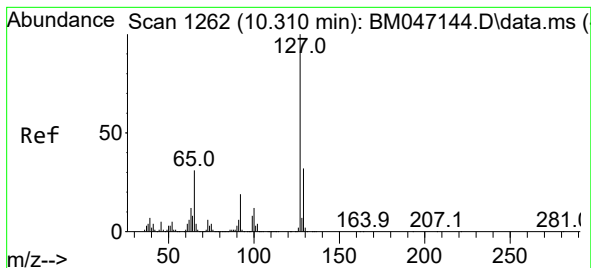
Ion Ratio Lower Upper

122 100

105 123.1 107.1 147.1

77 97.7 82.1 122.1





#33

4-Chloroaniline

Concen: 12.296 ng

RT: 10.304 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:127 Resp: 252665

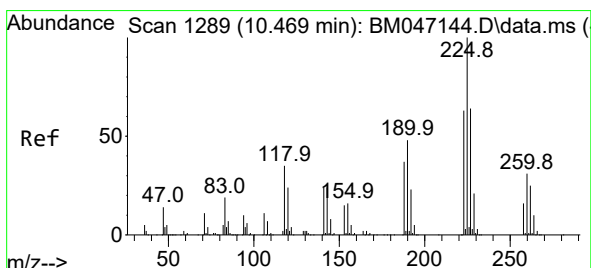
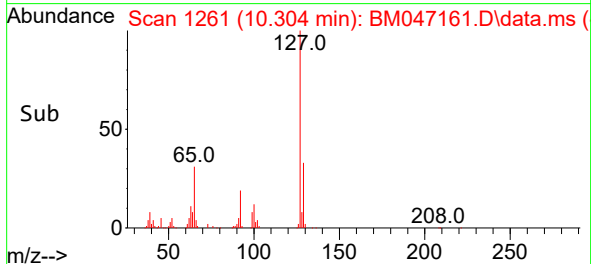
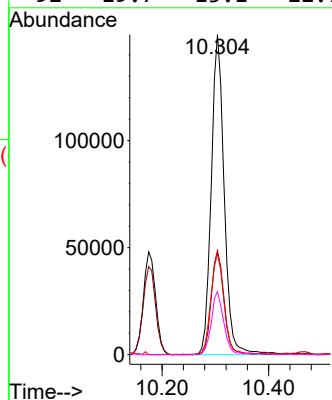
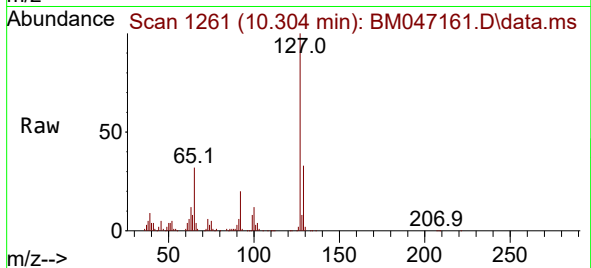
Ion Ratio Lower Upper

127 100

129 32.6 25.8 38.8

65 31.6 24.9 37.3

92 19.7 15.1 22.7



#34

Hexachlorobutadiene

Concen: 10.220 ng

RT: 10.463 min Scan# 1288

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

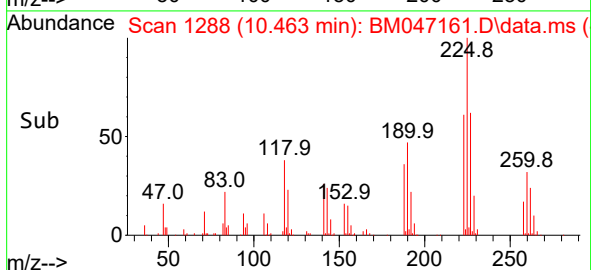
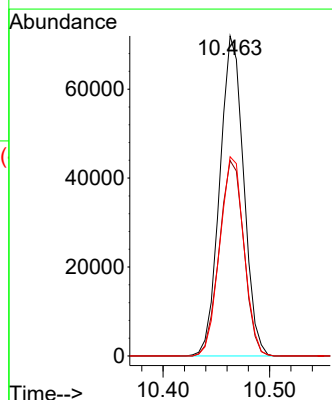
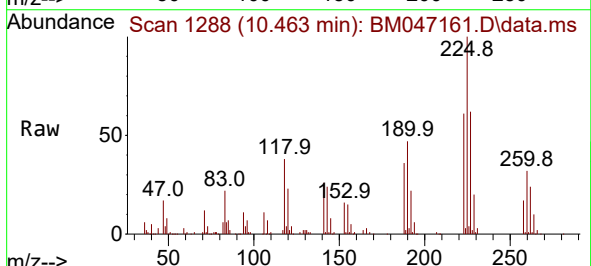
Tgt Ion:225 Resp: 111775

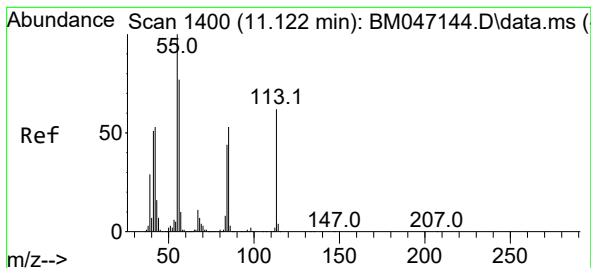
Ion Ratio Lower Upper

225 100

223 61.1 50.2 75.2

227 62.3 51.4 77.0

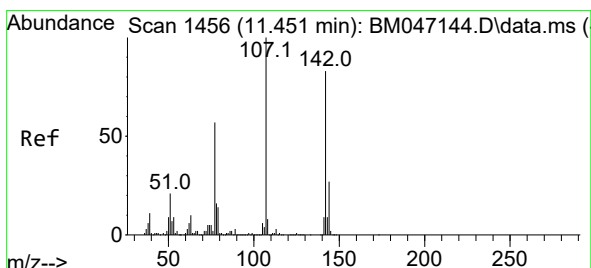
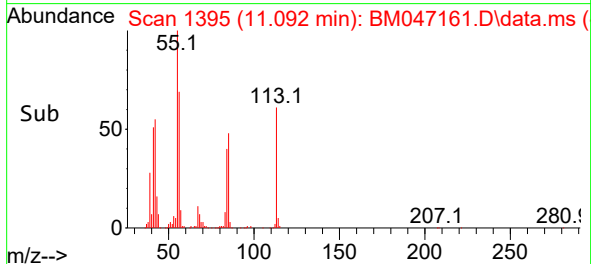
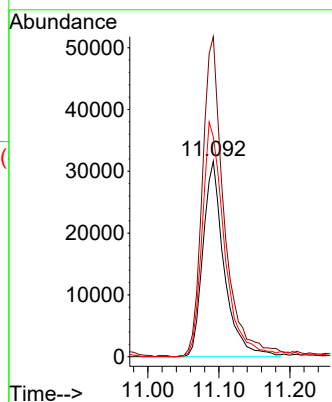
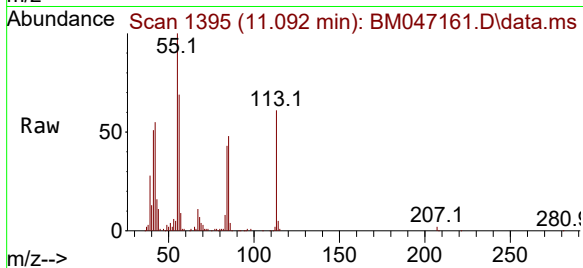




#35
Caprolactam
Concen: 11.422 ng
RT: 11.092 min Scan# 11
Delta R.T. -0.030 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

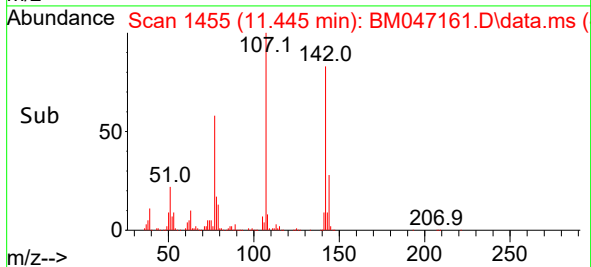
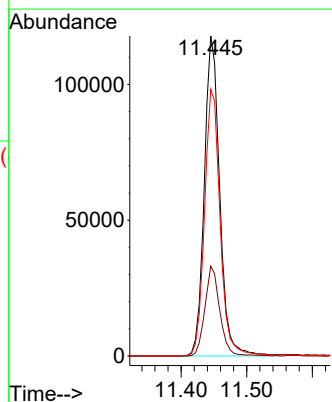
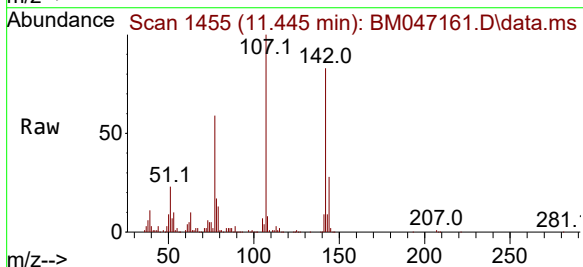
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

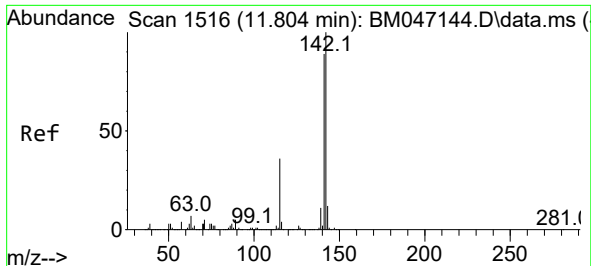
Tgt Ion:113 Resp: 65495
Ion Ratio Lower Upper
113 100
55 163.7 140.5 180.5
56 112.5 103.6 143.6



#36
4-Chloro-3-methylphenol
Concen: 10.985 ng
RT: 11.445 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

Tgt Ion:107 Resp: 193164
Ion Ratio Lower Upper
107 100
144 28.0 21.8 32.6
142 83.3 66.8 100.2





#37

2-Methylnaphthalene

Concen: 11.252 ng

RT: 11.804 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

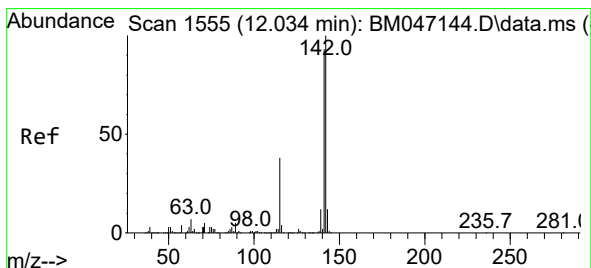
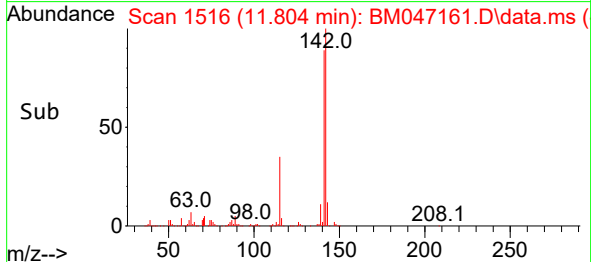
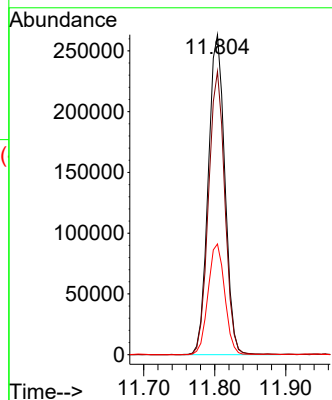
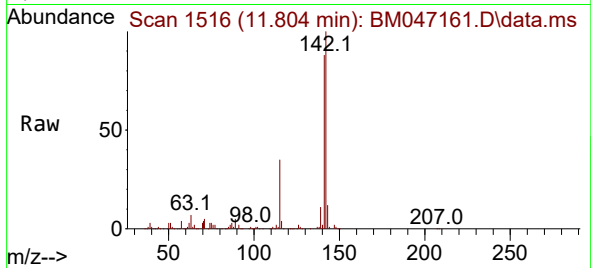
Tgt Ion:142 Resp: 428101

Ion Ratio Lower Upper

142 100

141 88.5 70.9 106.3

115 34.6 28.7 43.1



#38

1-Methylnaphthalene

Concen: 11.089 ng

RT: 12.027 min Scan# 1554

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

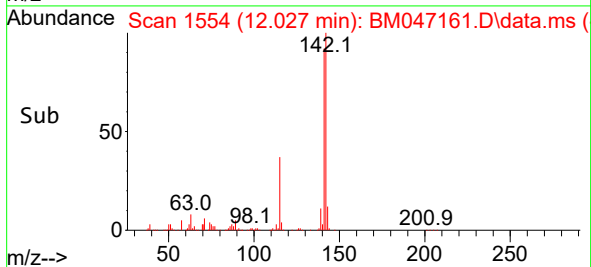
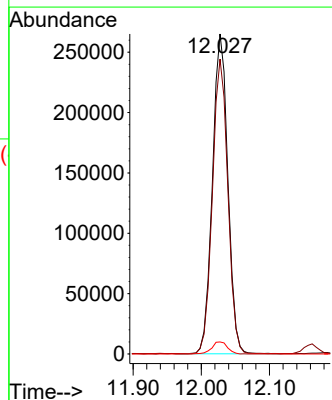
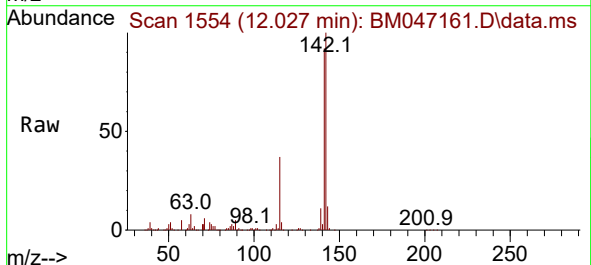
Tgt Ion:142 Resp: 416953

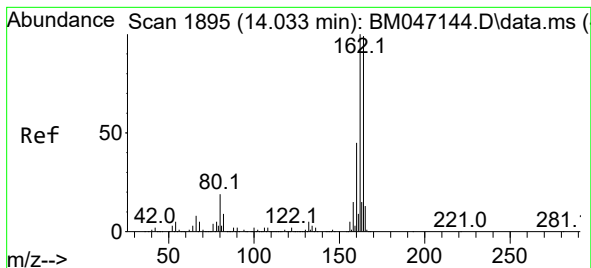
Ion Ratio Lower Upper

142 100

141 92.1 74.6 111.8

116 3.8 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.027 min Scan# 1894

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

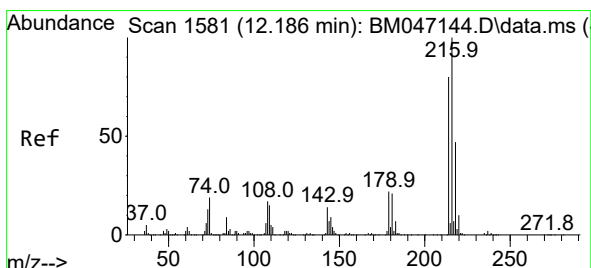
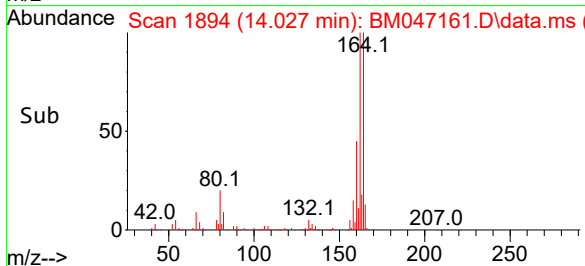
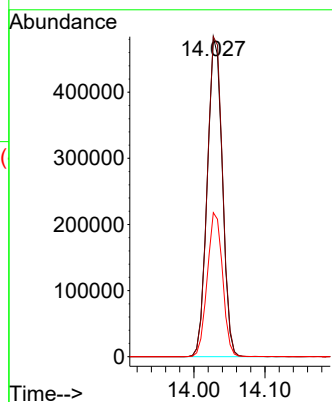
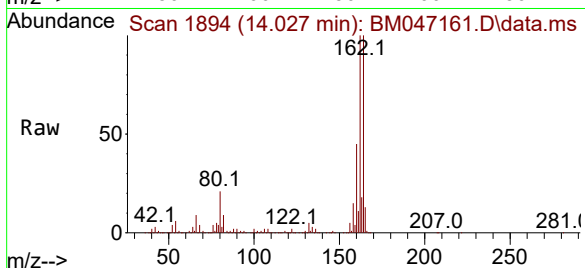
Tgt Ion:164 Resp: 713559

Ion Ratio Lower Upper

164 100

162 100.0 80.7 121.1

160 45.0 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 11.387 ng

RT: 12.186 min Scan# 1581

Delta R.T. -0.000 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

Tgt Ion:216 Resp: 221630

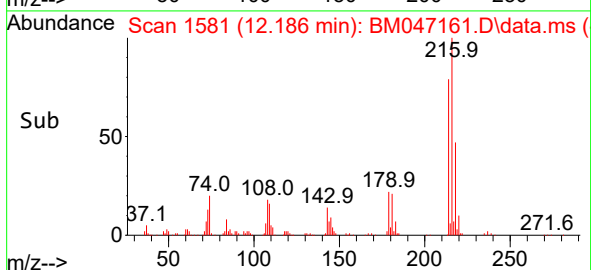
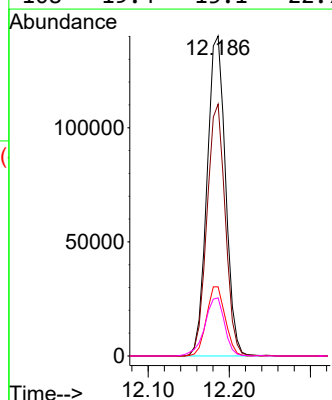
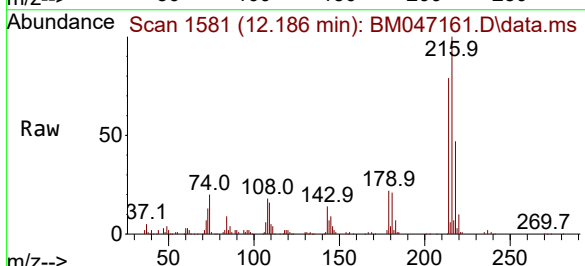
Ion Ratio Lower Upper

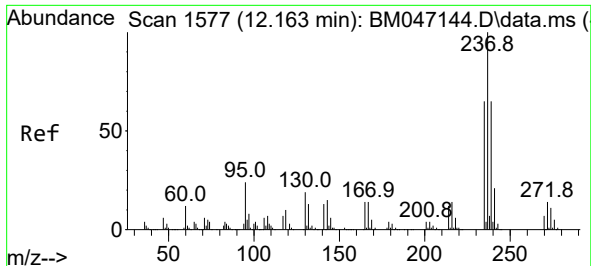
216 100

214 77.8 63.4 95.2

179 21.9 17.6 26.4

108 19.4 15.1 22.7

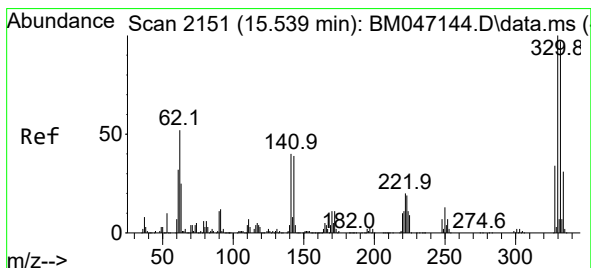
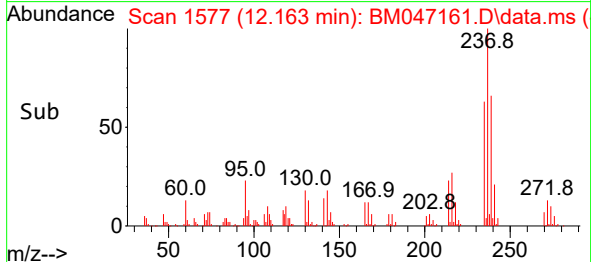
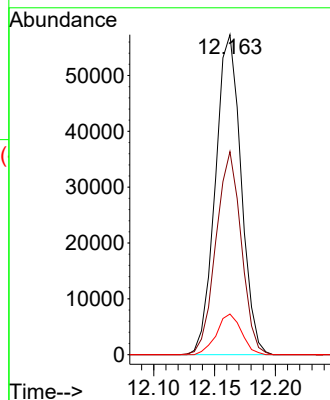
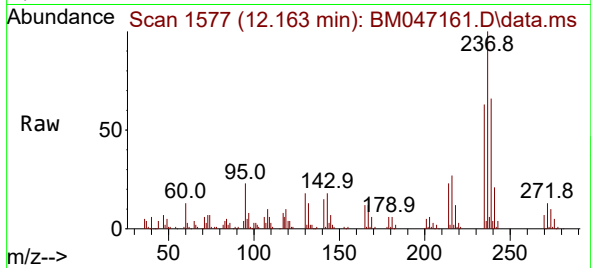




#41
Hexachlorocyclopentadiene
Concen: 12.391 ng
RT: 12.163 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

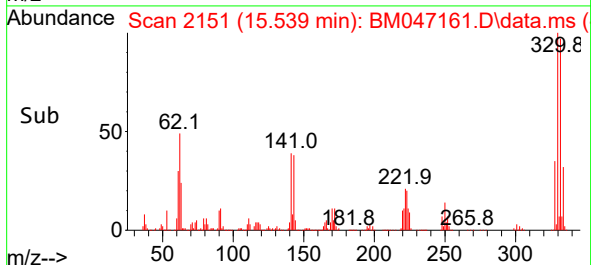
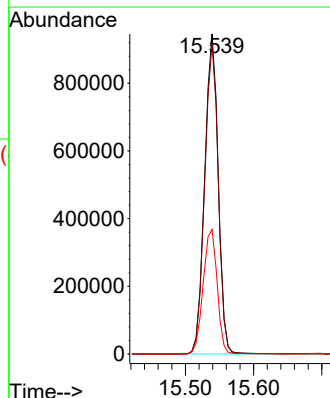
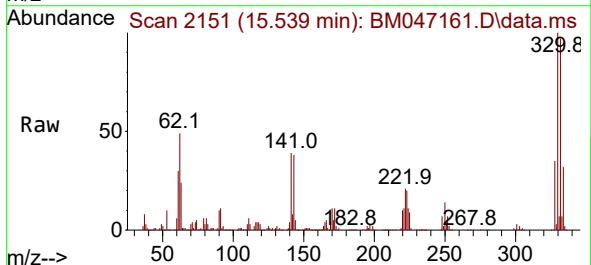
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

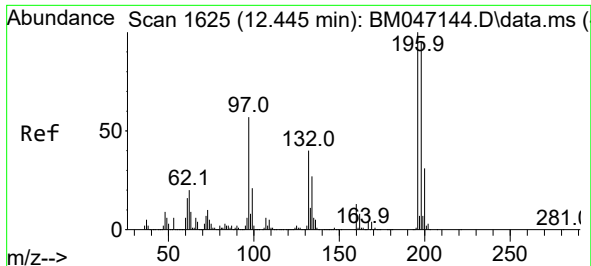
Tgt Ion:237 Resp: 84213
Ion Ratio Lower Upper
237 100
235 63.5 44.8 84.8
272 12.7 0.0 33.5



#42
2,4,6-Tribromophenol
Concen: 158.228 ng
RT: 15.539 min Scan# 2151
Delta R.T. -0.000 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

Tgt Ion:330 Resp: 1309152
Ion Ratio Lower Upper
330 100
332 97.0 77.4 116.2
141 40.2 31.6 47.4

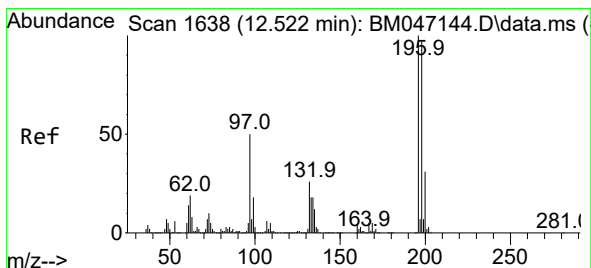
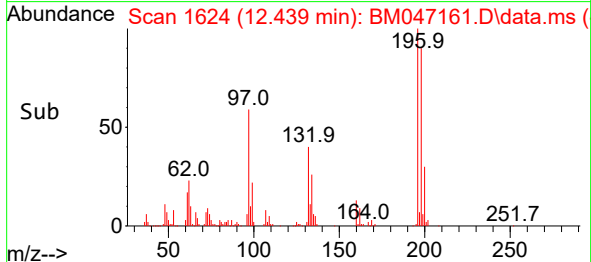
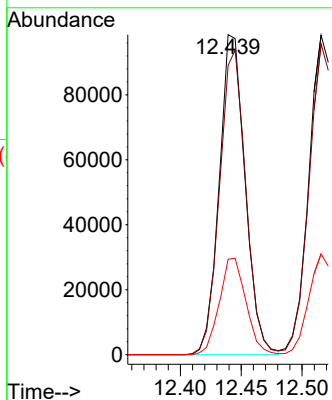
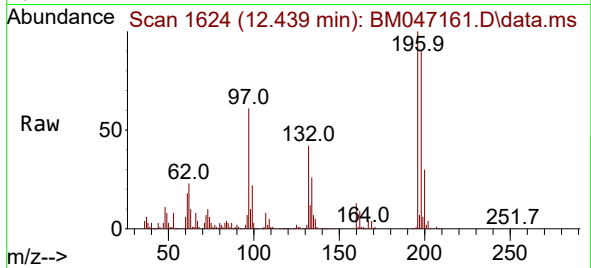




#43
2,4,6-Trichlorophenol
Concen: 10.573 ng
RT: 12.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

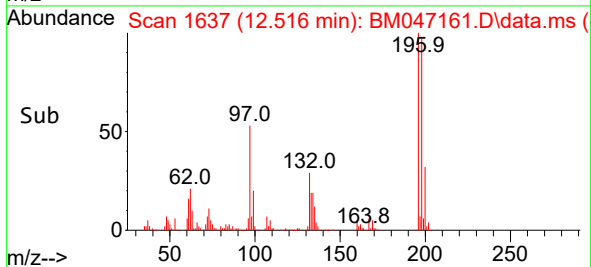
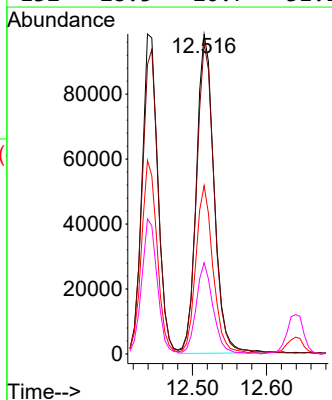
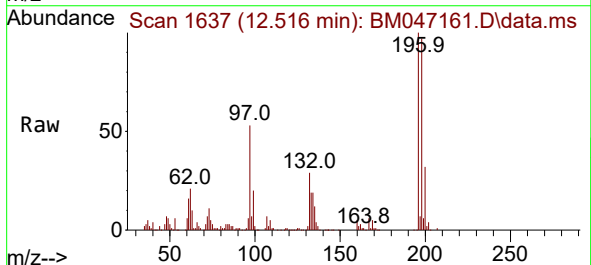
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

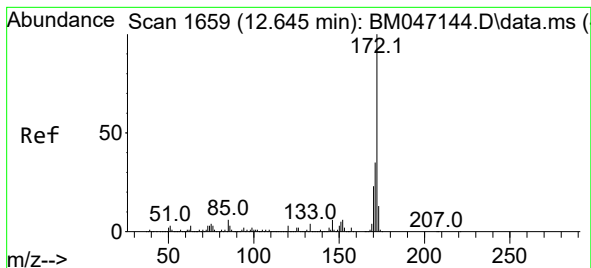
Tgt Ion:196 Resp: 146261
Ion Ratio Lower Upper
196 100
198 90.5 75.6 113.4
200 29.8 24.6 37.0



#44
2,4,5-Trichlorophenol
Concen: 10.590 ng
RT: 12.516 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

Tgt Ion:196 Resp: 162658
Ion Ratio Lower Upper
196 100
198 97.2 77.7 116.5
97 52.7 39.8 59.8
132 28.5 20.7 31.1





#45

2-Fluorobiphenyl

Concen: 88.658 ng

RT: 12.639 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

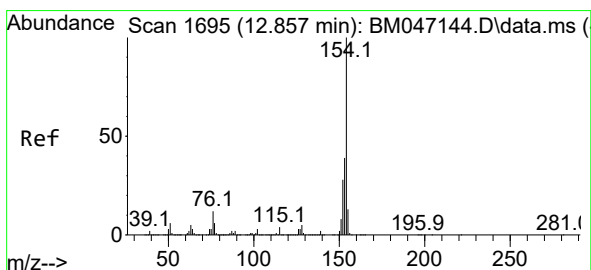
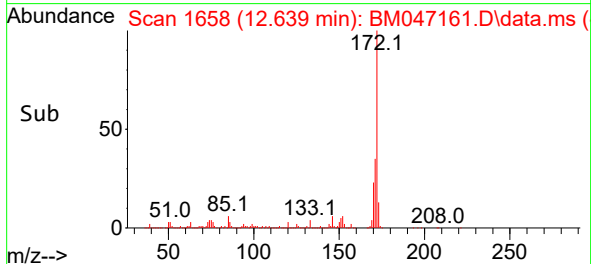
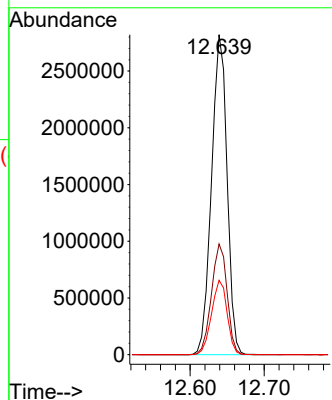
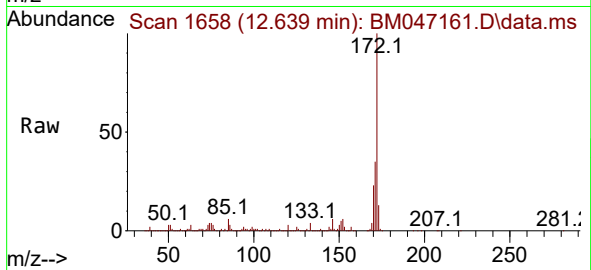
Tgt Ion:172 Resp: 4101256

Ion Ratio Lower Upper

172 100

171 34.6 27.8 41.6

170 23.3 18.7 28.1



#46

1,1'-Biphenyl

Concen: 11.563 ng

RT: 12.851 min Scan# 1694

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

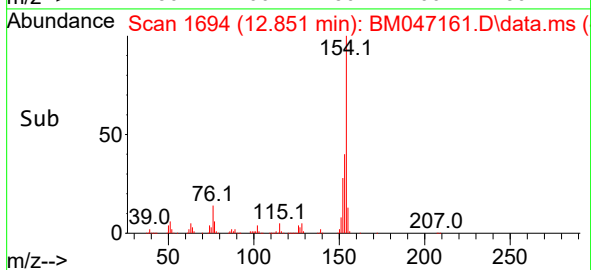
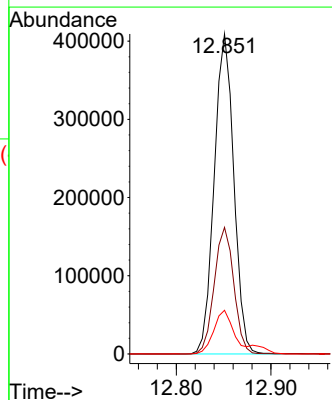
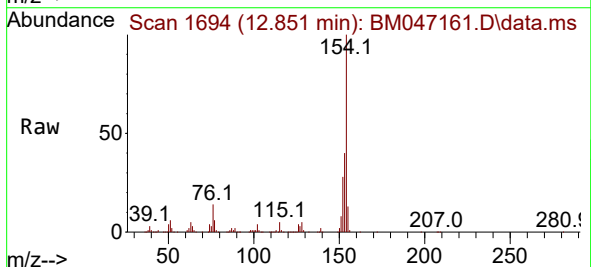
Tgt Ion:154 Resp: 587413

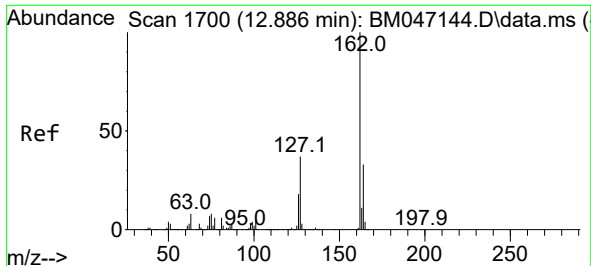
Ion Ratio Lower Upper

154 100

153 39.6 19.0 59.0

76 13.7 0.0 31.9

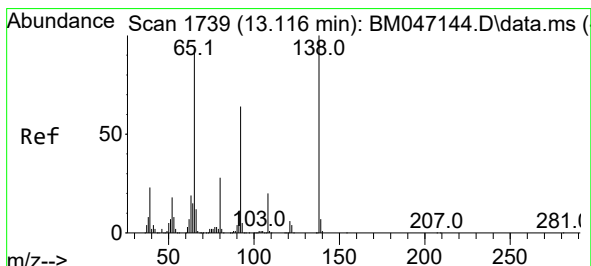
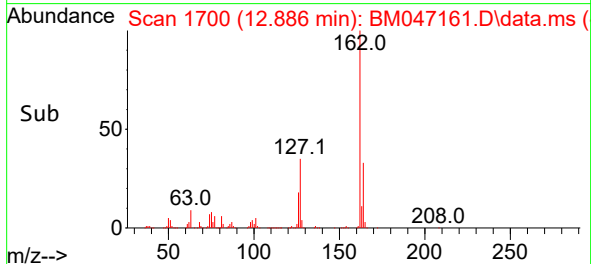
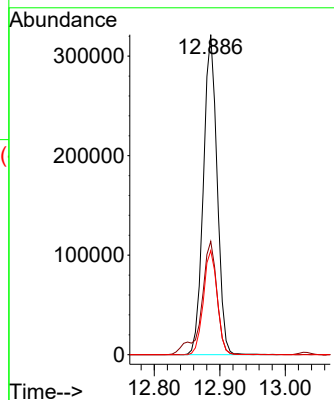
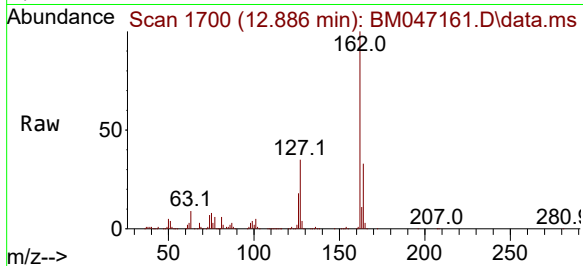




#47
2-Chloronaphthalene
Concen: 11.829 ng
RT: 12.886 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

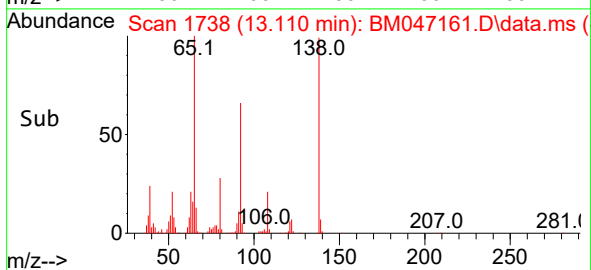
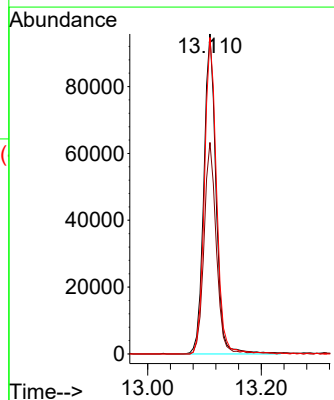
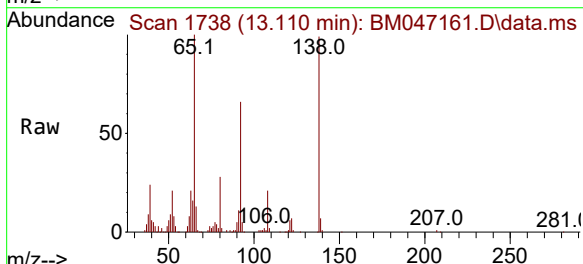
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

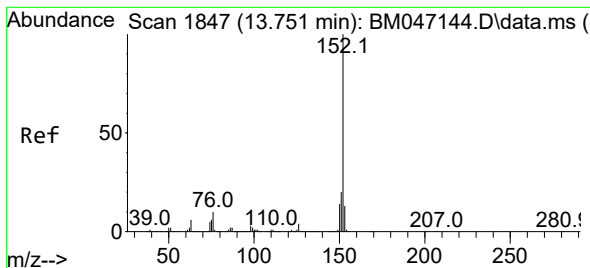
Tgt Ion:162 Resp: 469651
Ion Ratio Lower Upper
162 100
127 35.4 30.0 45.0
164 32.5 26.3 39.5



#48
2-Nitroaniline
Concen: 11.446 ng
RT: 13.110 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

Tgt Ion: 65 Resp: 142379
Ion Ratio Lower Upper
65 100
92 66.1 55.1 82.7
138 98.9 85.9 128.9





#49

Acenaphthylene

Concen: 12.963 ng

RT: 13.745 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047161.D

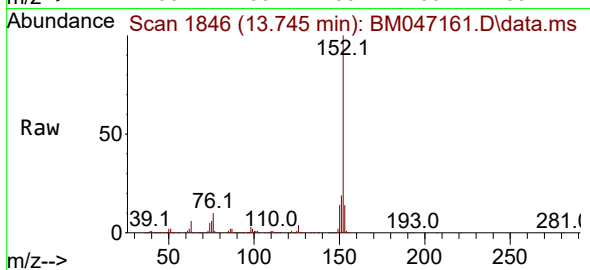
Acq: 12 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024



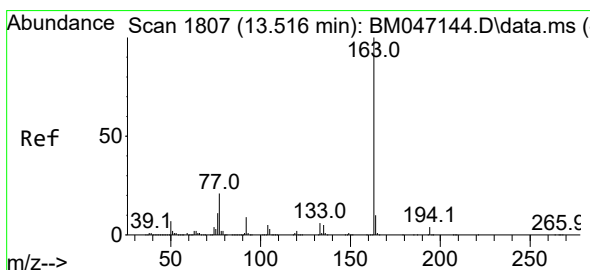
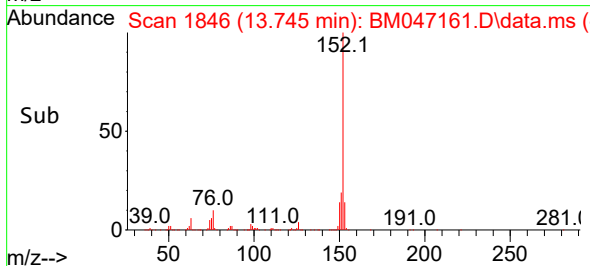
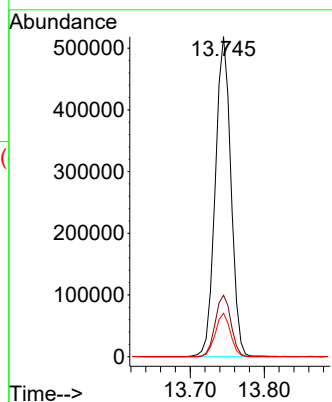
Tgt Ion:152 Resp: 758706

Ion Ratio Lower Upper

152 100

151 19.2 15.8 23.6

153 13.6 10.4 15.6



#50

Dimethylphthalate

Concen: 11.970 ng

RT: 13.504 min Scan# 1805

Delta R.T. -0.012 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

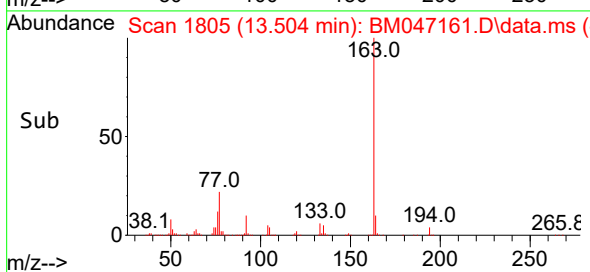
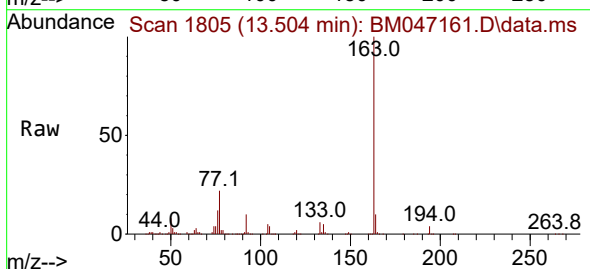
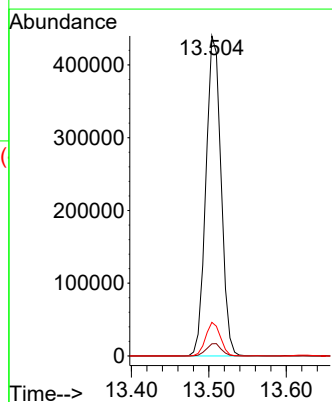
Tgt Ion:163 Resp: 596509

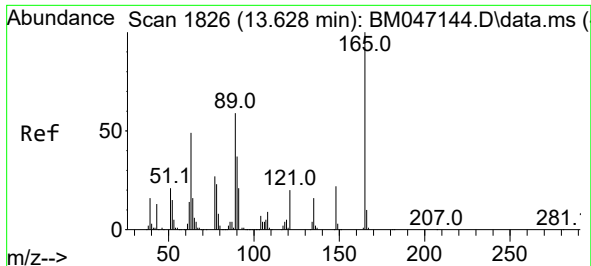
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 10.5 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 10.938 ng

RT: 13.621 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

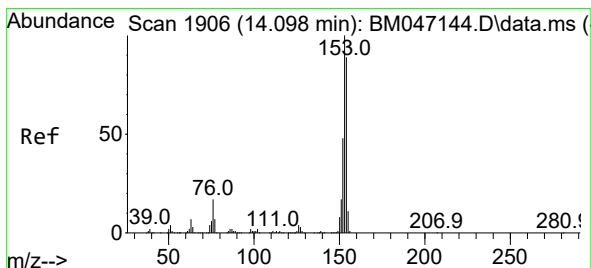
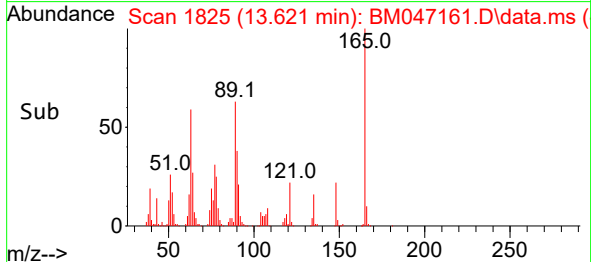
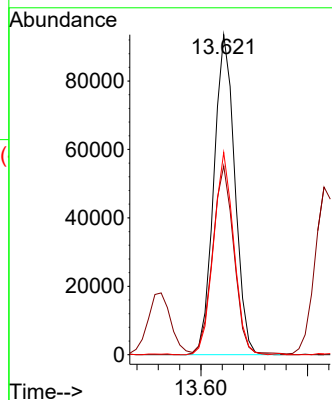
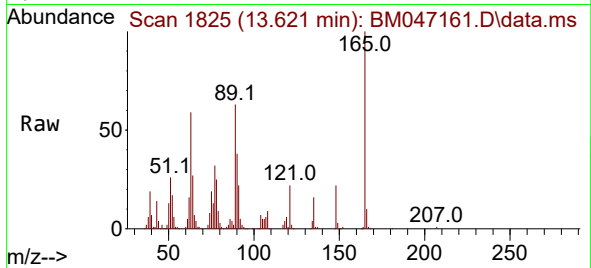
Tgt Ion:165 Resp: 127430

Ion Ratio Lower Upper

165 100

63 59.0 46.5 69.7

89 63.2 47.3 70.9



#52

Acenaphthene

Concen: 11.769 ng

RT: 14.092 min Scan# 1905

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

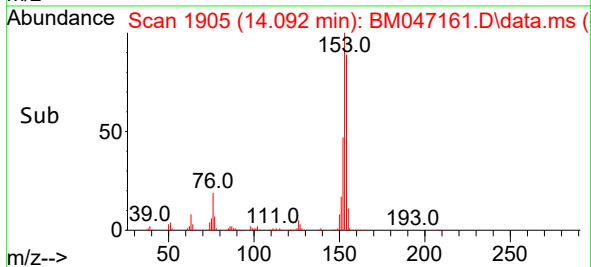
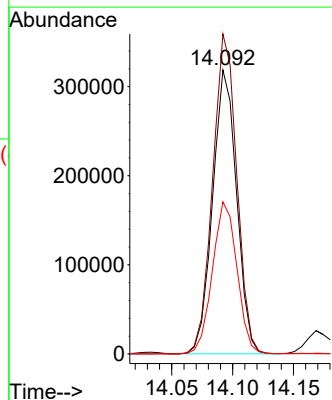
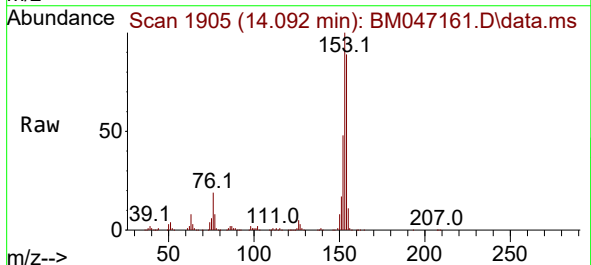
Tgt Ion:154 Resp: 436934

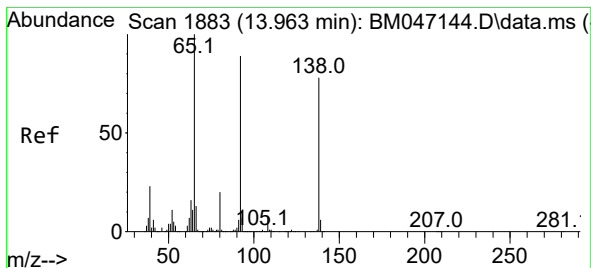
Ion Ratio Lower Upper

154 100

153 112.6 90.3 135.5

152 53.5 42.9 64.3

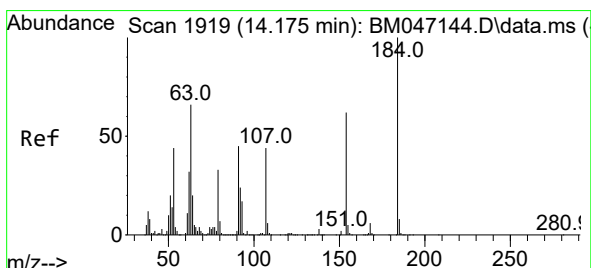
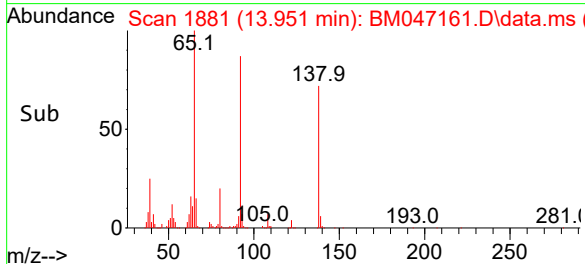
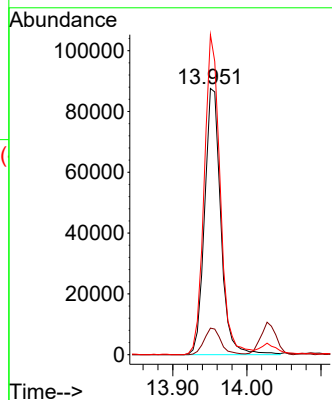
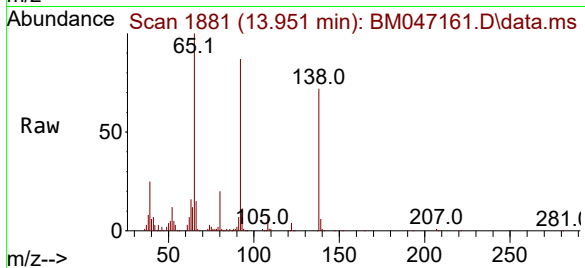




#53
3-Nitroaniline
Concen: 11.418 ng
RT: 13.951 min Scan# 1881
Delta R.T. -0.012 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

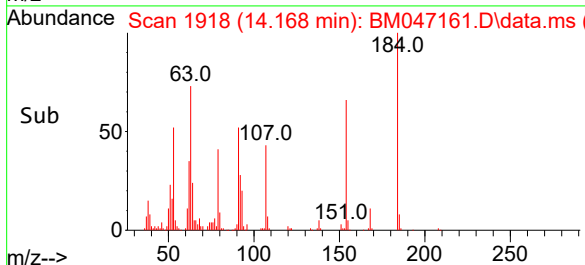
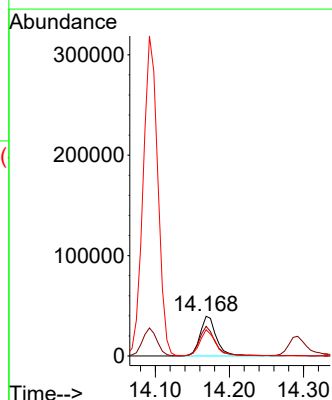
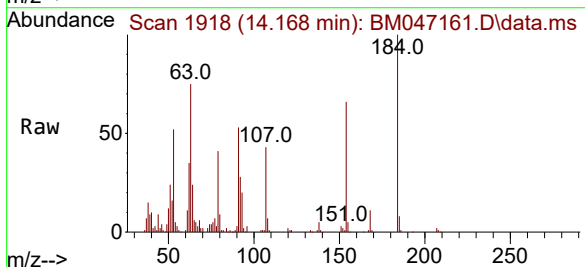
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

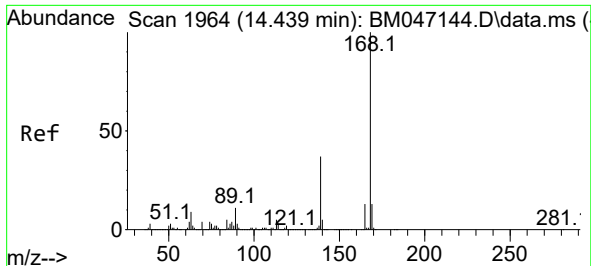
Tgt Ion:138 Resp: 133290
Ion Ratio Lower Upper
138 100
108 10.0 7.9 11.9
92 120.2 92.0 138.0



#54
2,4-Dinitrophenol
Concen: 8.628 ng
RT: 14.168 min Scan# 1918
Delta R.T. -0.007 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

Tgt Ion:184 Resp: 60246
Ion Ratio Lower Upper
184 100
63 74.6 52.7 79.1
154 66.2 50.4 75.6

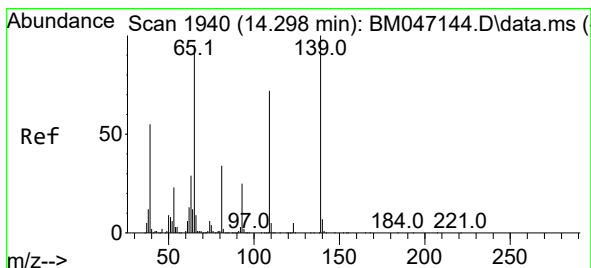
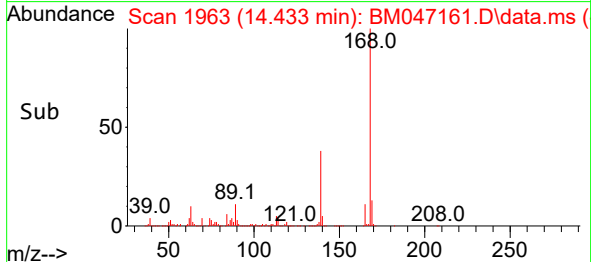
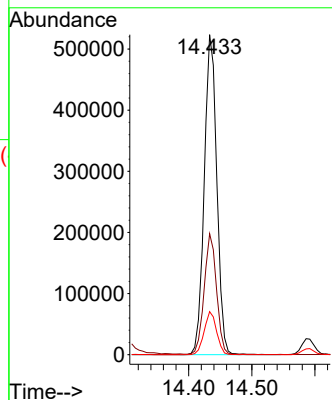
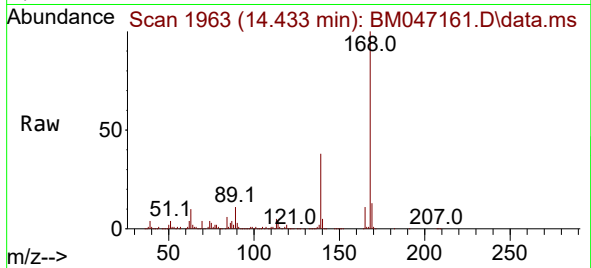




#55
Dibenzenofuran
Concen: 12.342 ng
RT: 14.433 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

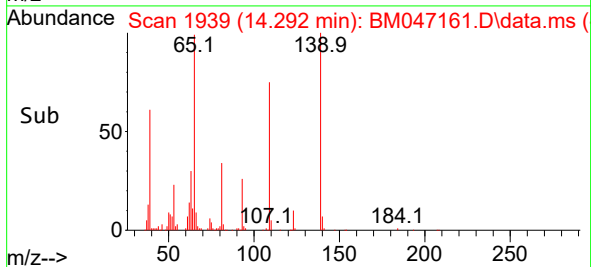
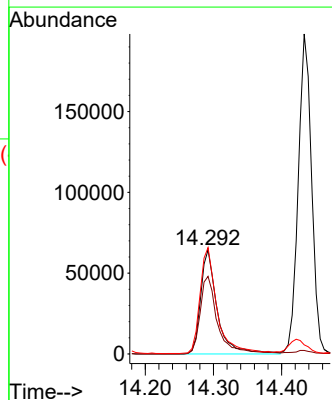
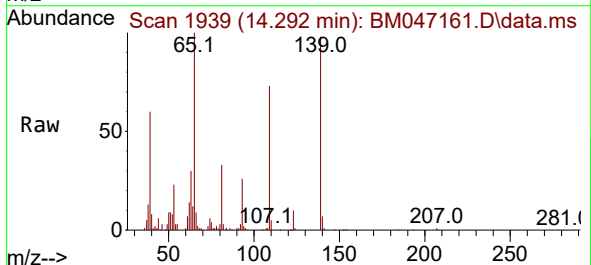
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

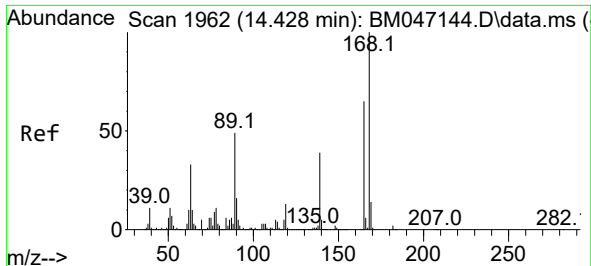
Tgt Ion:168 Resp: 723739
Ion Ratio Lower Upper
168 100
139 37.8 29.6 44.4
169 13.4 10.7 16.1



#56
4-Nitrophenol
Concen: 10.827 ng
RT: 14.292 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

Tgt Ion:139 Resp: 108982
Ion Ratio Lower Upper
139 100
109 74.5 52.5 92.5
65 102.2 75.4 115.4

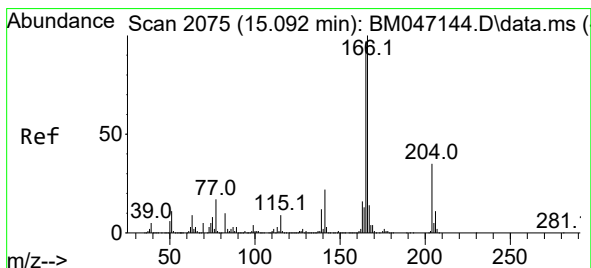
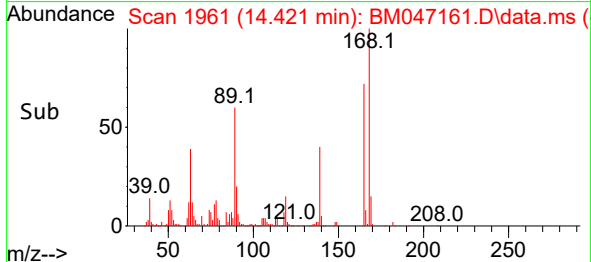
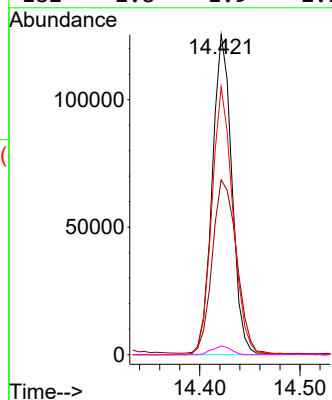
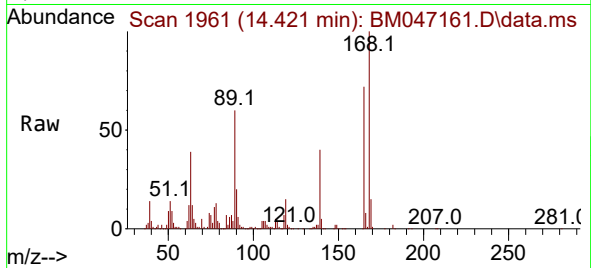




#57
2,4-Dinitrotoluene
Concen: 10.951 ng
RT: 14.421 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

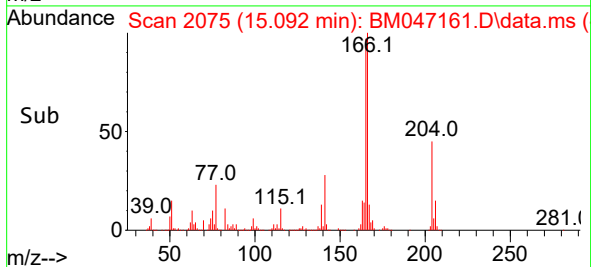
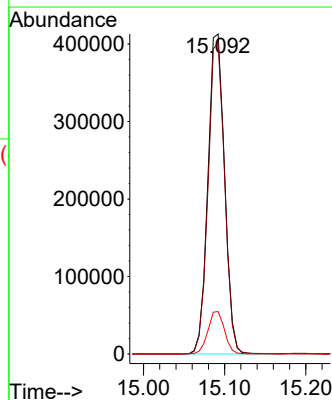
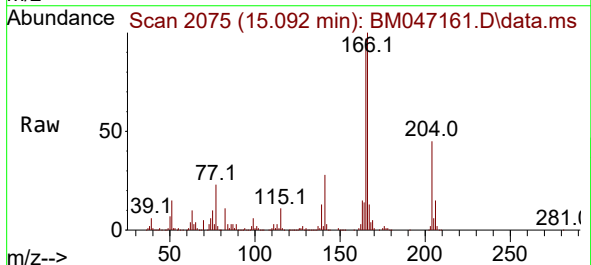
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

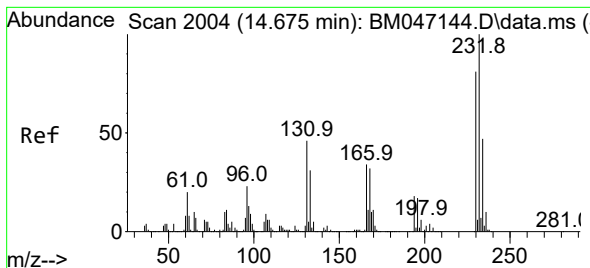
Tgt Ion:	165	Resp:	170279
Ion	Ratio	Lower	Upper
165	100		
63	54.6	40.3	60.5
89	83.6	61.0	91.6
182	2.8	1.9	2.9



#58
Fluorene
Concen: 12.179 ng
RT: 15.092 min Scan# 2075
Delta R.T. -0.000 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

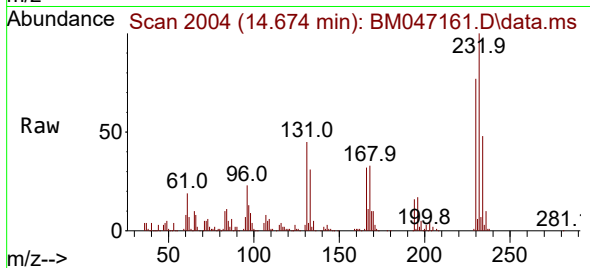
Tgt Ion:	166	Resp:	589261
Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.4	116.0
167	13.2	11.0	16.6



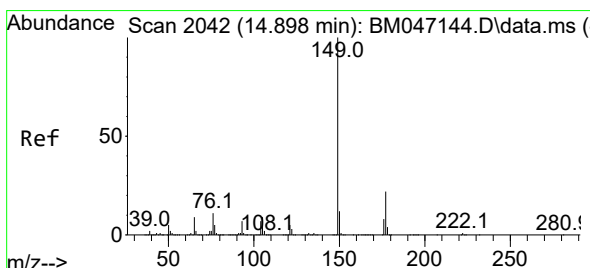
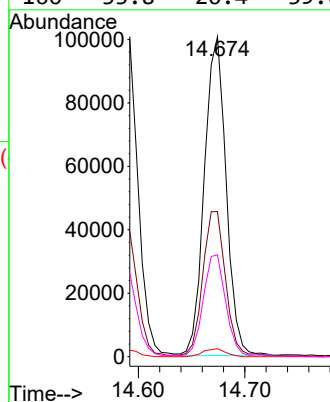
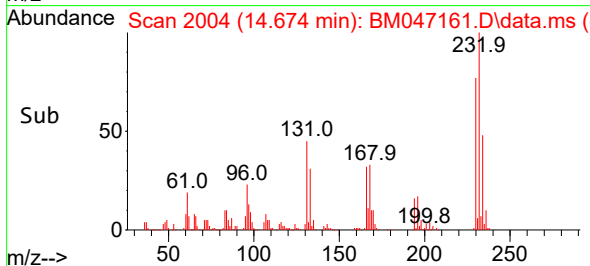


#59
2,3,4,6-Tetrachlorophenol
Concen: 11.308 ng
RT: 14.674 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

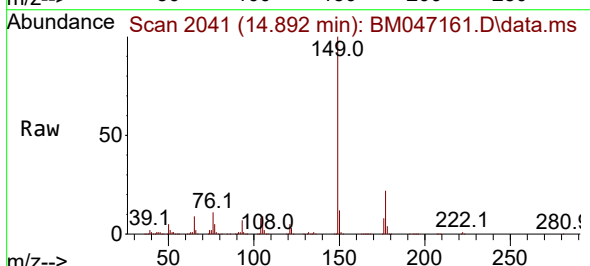
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



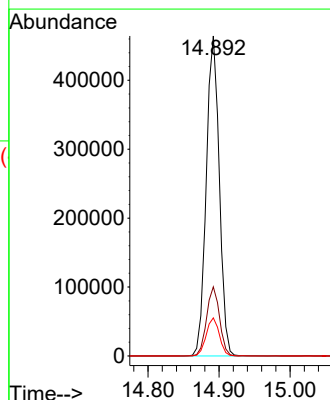
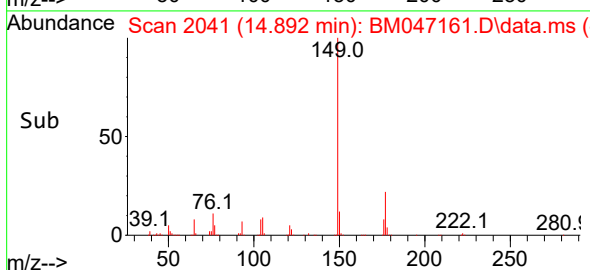
Tgt Ion:232 Resp: 142744
Ion Ratio Lower Upper
232 100
131 48.7 36.9 55.3
130 2.6 2.0 3.0
166 33.8 26.4 39.6

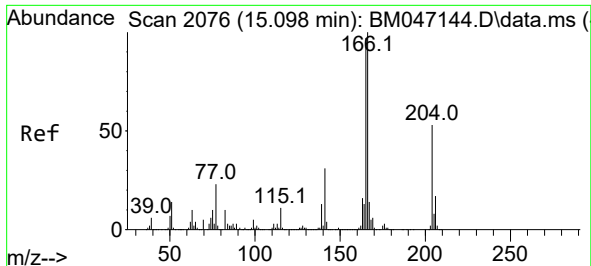


#60
Diethylphthalate
Concen: 11.657 ng
RT: 14.892 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51



Tgt Ion:149 Resp: 593222
Ion Ratio Lower Upper
149 100
177 21.6 17.6 26.4
150 11.9 9.8 14.6

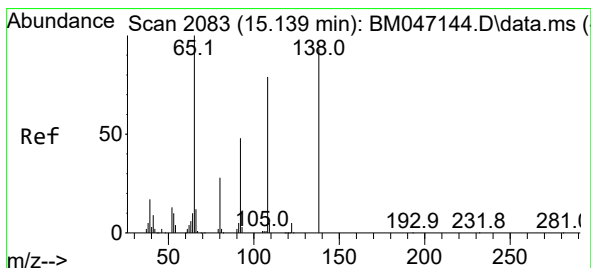
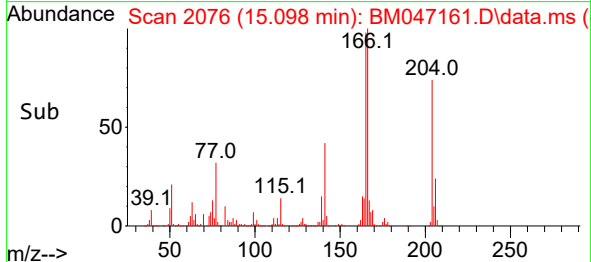
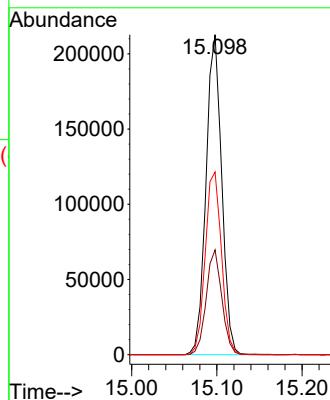
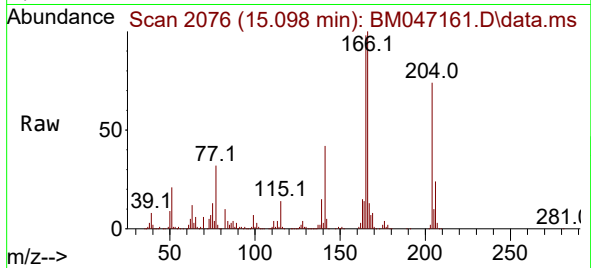




#61
4-Chlorophenyl-phenylether
Concen: 11.823 ng
RT: 15.098 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

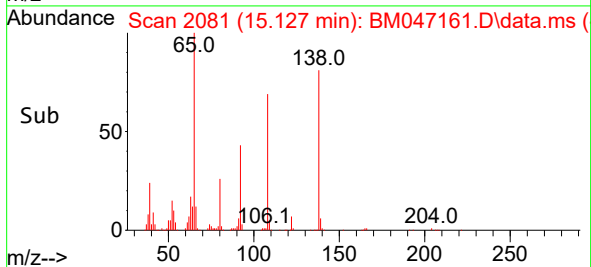
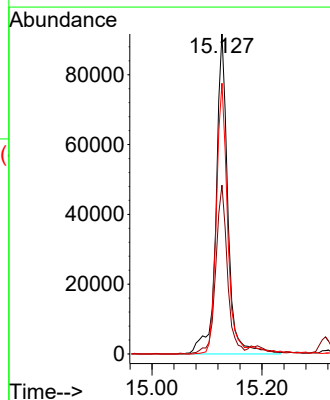
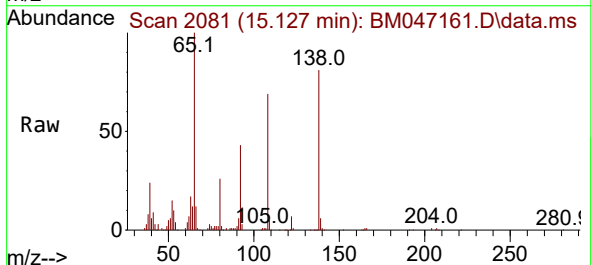
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

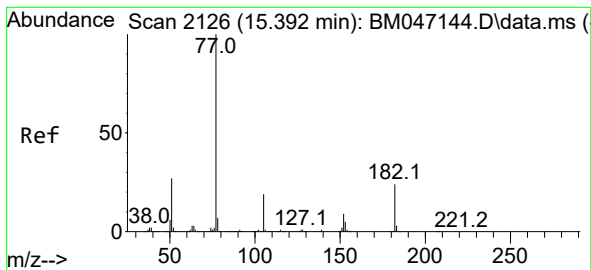
Tgt Ion:204 Resp: 272350
Ion Ratio Lower Upper
204 100
206 32.8 26.2 39.4
141 57.1 47.2 70.8



#62
4-Nitroaniline
Concen: 11.943 ng
RT: 15.127 min Scan# 2081
Delta R.T. -0.012 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

Tgt Ion:138 Resp: 137352
Ion Ratio Lower Upper
138 100
92 52.8 31.9 71.9
108 84.6 63.8 103.8





#63

Azobenzene

Concen: 12.210 ng

RT: 15.392 min Scan# 2126

Delta R.T. -0.000 min

Lab File: BM047161.D

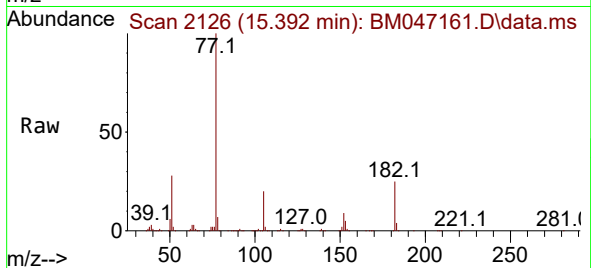
Acq: 12 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024



Tgt Ion: 77 Resp: 589166

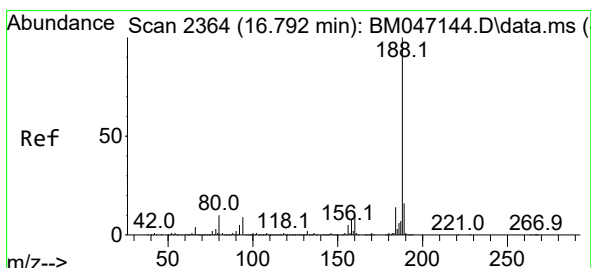
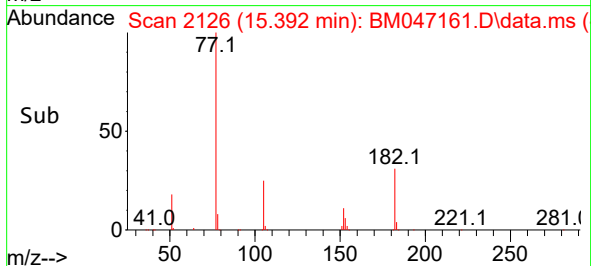
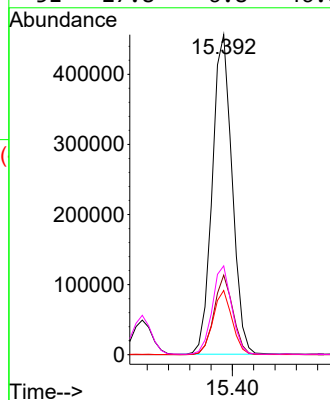
Ion Ratio Lower Upper

77 100

182 24.8 3.8 43.8

105 20.1 0.0 39.5

51 27.8 6.8 46.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.792 min Scan# 2364

Delta R.T. -0.000 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

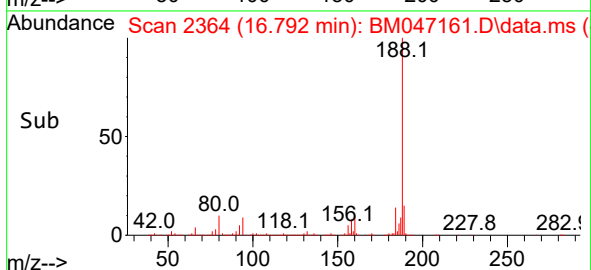
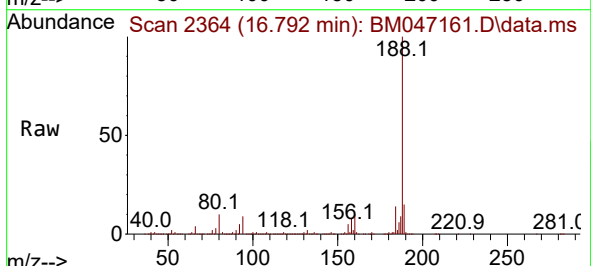
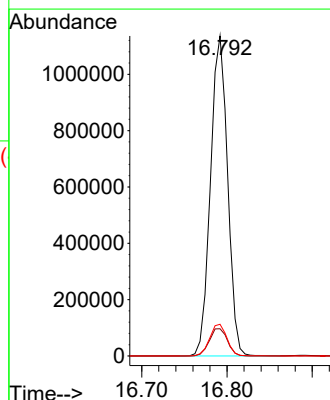
Tgt Ion:188 Resp: 1583554

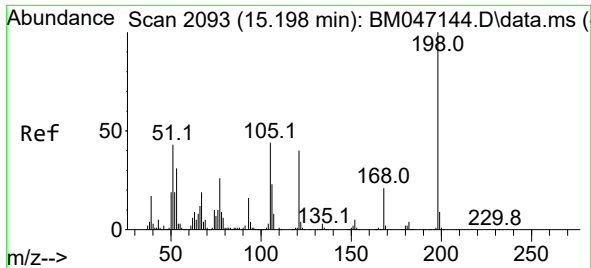
Ion Ratio Lower Upper

188 100

94 8.5 7.0 10.6

80 9.9 8.0 12.0

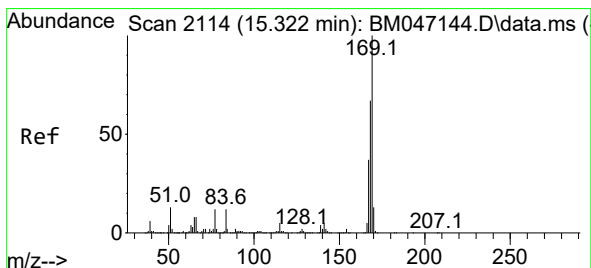
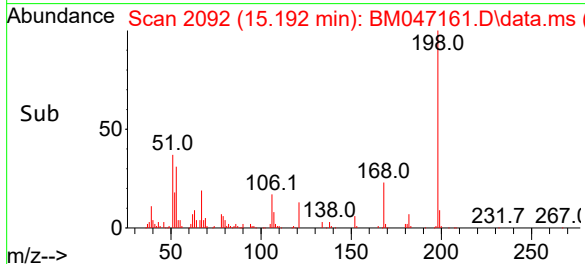
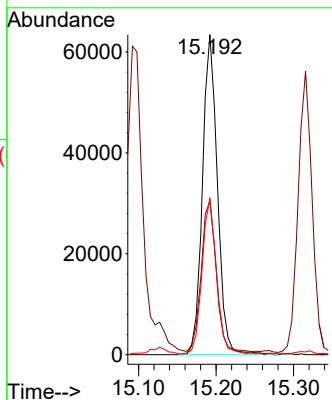
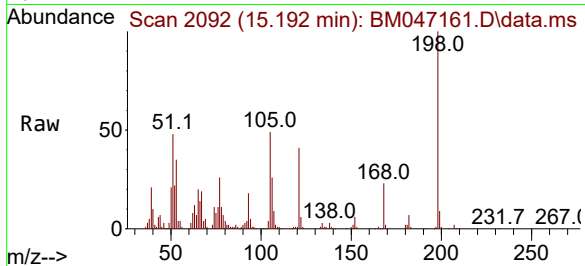




#65
4,6-Dinitro-2-methylphenol
Concen: 9.164 ng
RT: 15.192 min Scan# 2093
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

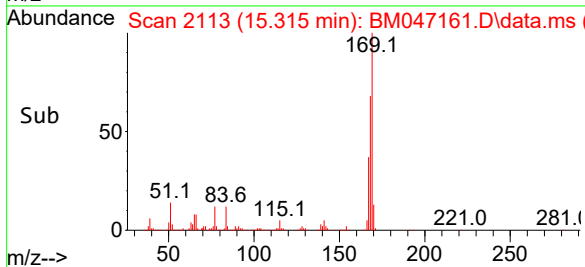
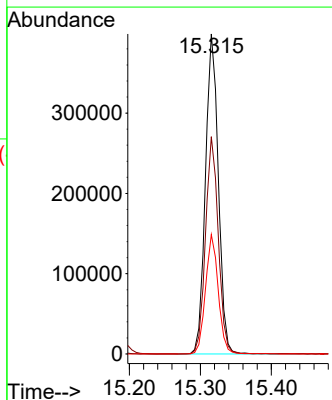
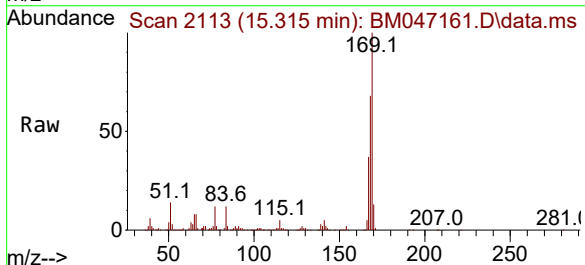
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

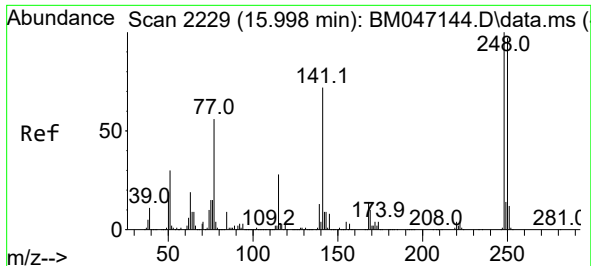
Tgt Ion	Ratio	Lower	Upper
198	100		
51	48.1	23.9	63.9
105	48.7	24.3	64.3



#66
n-Nitrosodiphenylamine
Concen: 11.697 ng
RT: 15.315 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.9	53.8	80.8
167	37.3	29.3	43.9

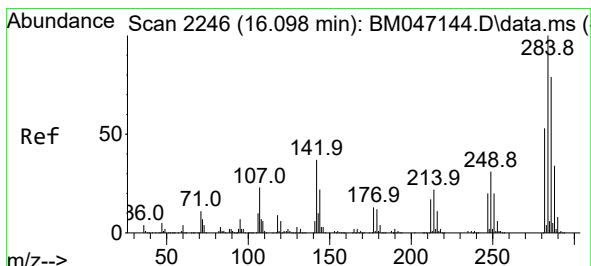
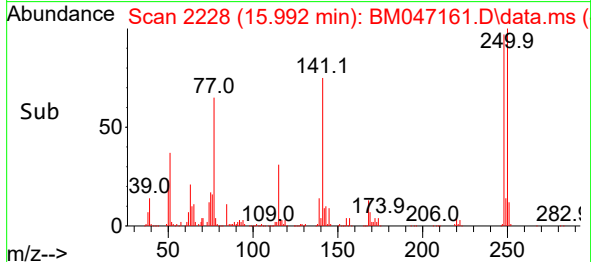
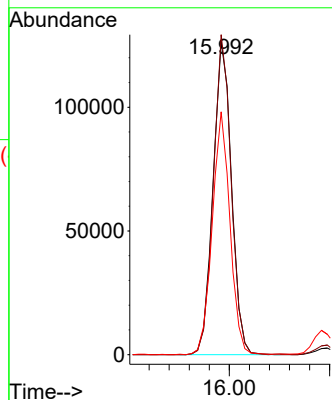
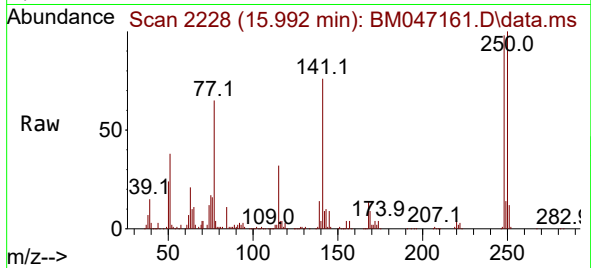




#67
4-Bromophenyl-phenylether
Concen: 10.551 ng
RT: 15.992 min Scan# 211
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

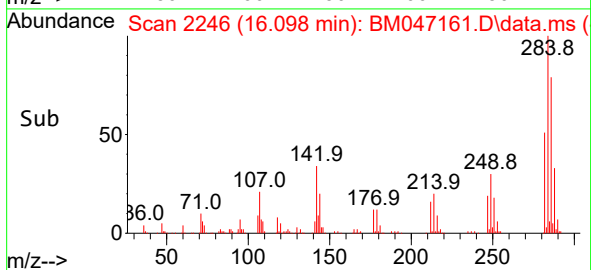
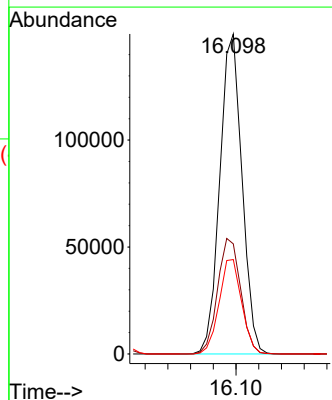
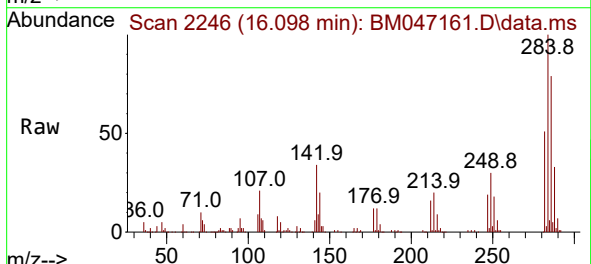
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

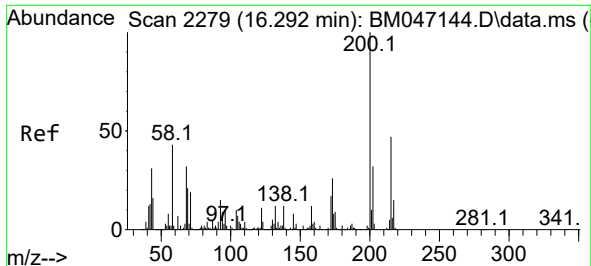
Tgt Ion:248 Resp: 161007
Ion Ratio Lower Upper
248 100
250 102.2 77.8 116.8
141 77.6 57.7 86.5



#68
Hexachlorobenzene
Concen: 11.118 ng
RT: 16.098 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

Tgt Ion:284 Resp: 203191
Ion Ratio Lower Upper
284 100
142 34.4 29.4 44.0
249 29.5 25.1 37.7

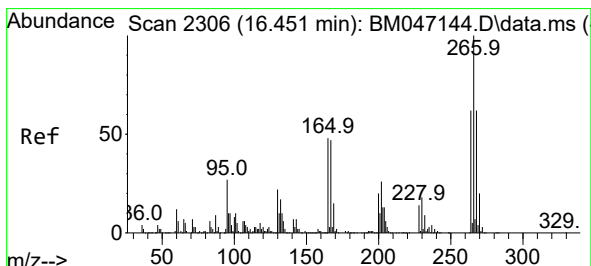
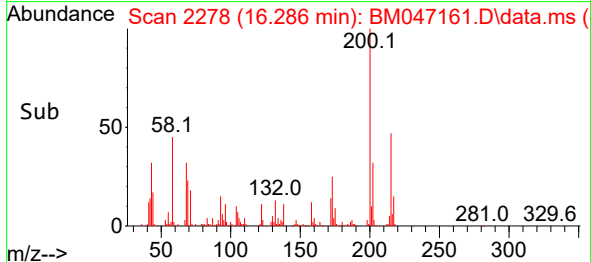
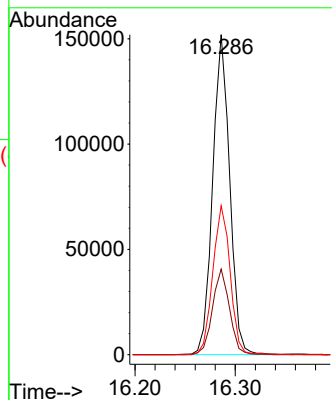
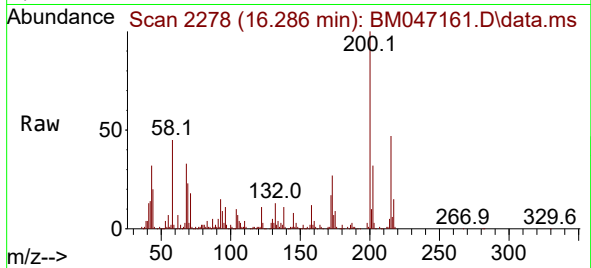




#69
 Atrazine
 Concen: 13.758 ng
 RT: 16.286 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM047161.D
 Acq: 12 Aug 2024 18:51

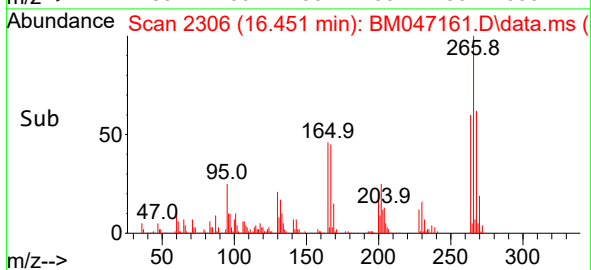
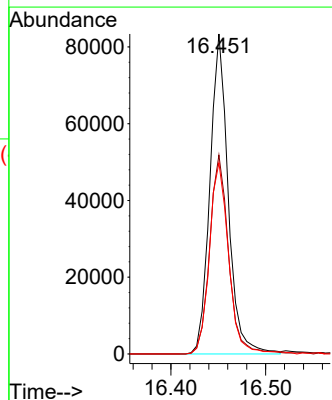
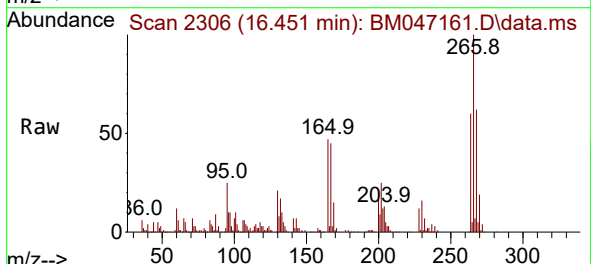
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

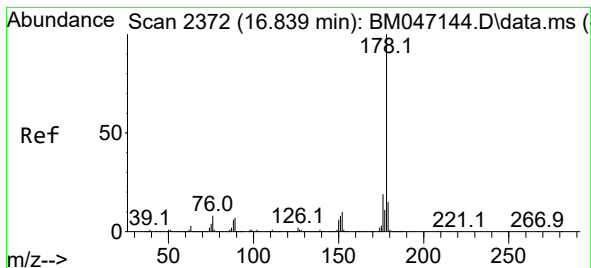
Tgt Ion:200 Resp: 178563
 Ion Ratio Lower Upper
 200 100
 173 26.7 6.1 46.1
 215 46.5 26.8 66.8



#70
 Pentachlorophenol
 Concen: 8.712 ng
 RT: 16.451 min Scan# 2306
 Delta R.T. -0.000 min
 Lab File: BM047161.D
 Acq: 12 Aug 2024 18:51

Tgt Ion:266 Resp: 111604
 Ion Ratio Lower Upper
 266 100
 268 62.2 49.8 74.6
 264 59.8 49.6 74.4





#71

Phenanthrene

Concen: 11.876 ng

RT: 16.833 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

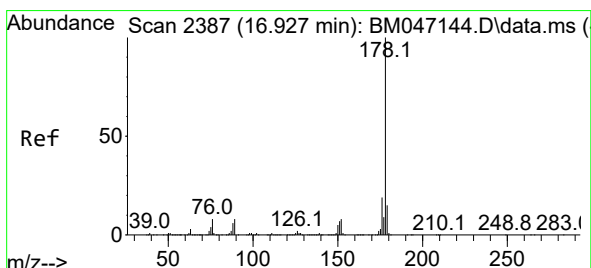
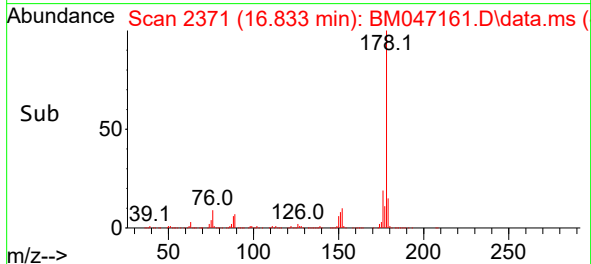
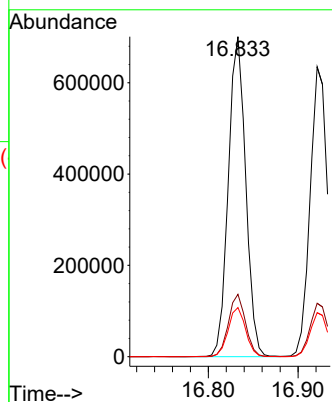
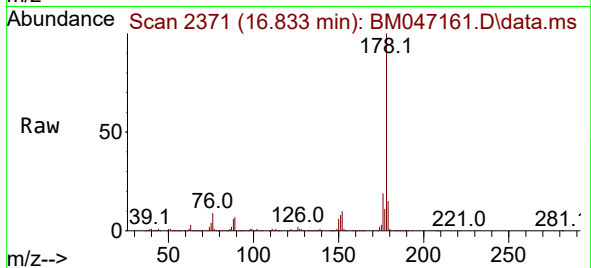
Tgt Ion:178 Resp: 943782

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

179 15.3 12.4 18.6



#72

Anthracene

Concen: 11.350 ng

RT: 16.921 min Scan# 2386

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

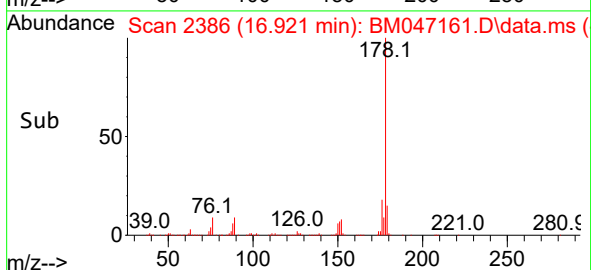
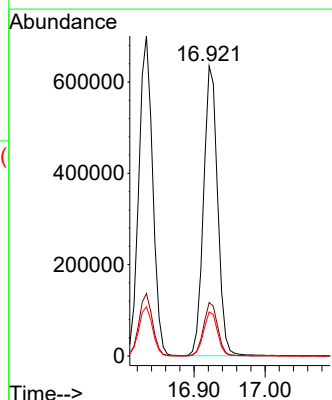
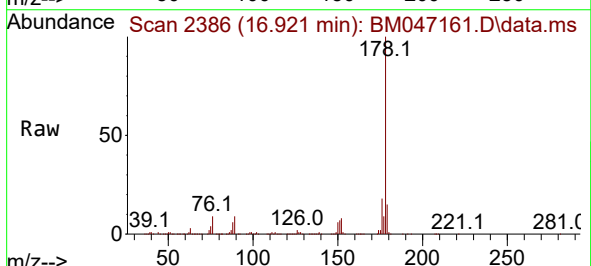
Tgt Ion:178 Resp: 877707

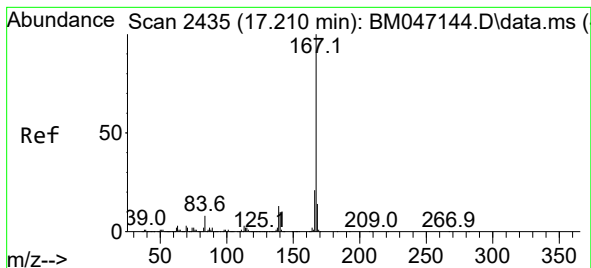
Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

179 15.2 12.4 18.6





#73

Carbazole

Concen: 11.417 ng

RT: 17.204 min Scan# 2434

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

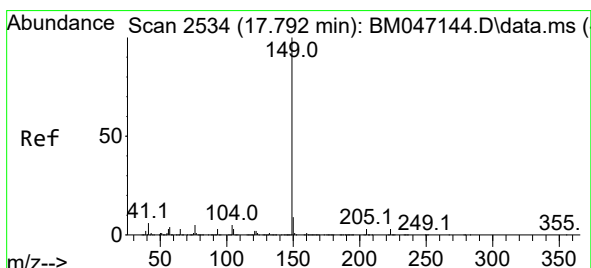
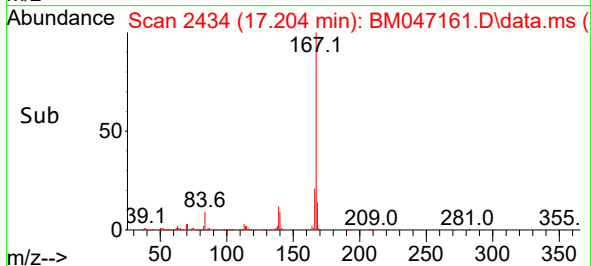
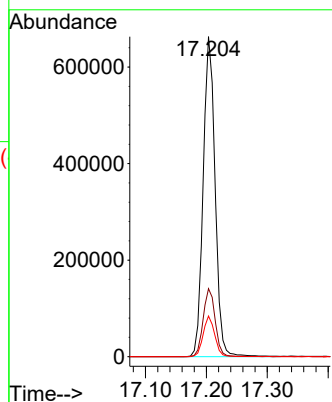
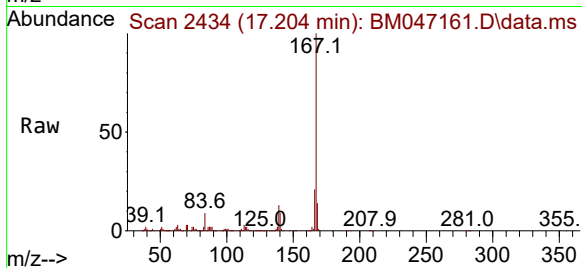
Tgt Ion:167 Resp: 901383

Ion Ratio Lower Upper

167 100

166 21.3 17.1 25.7

139 12.7 10.0 15.0



#74

Di-n-butylphthalate

Concen: 11.122 ng

RT: 17.792 min Scan# 2534

Delta R.T. -0.000 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

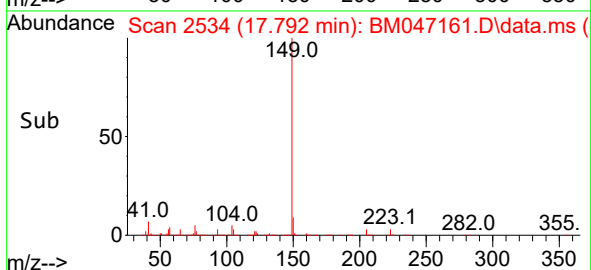
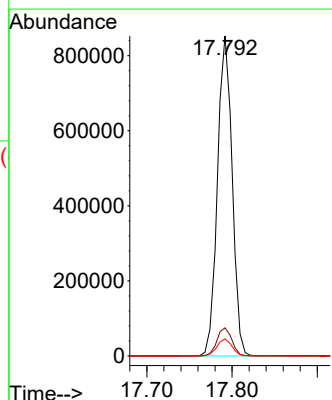
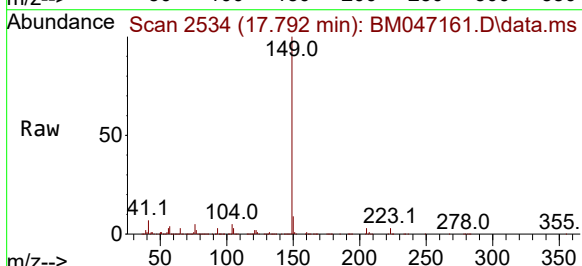
Tgt Ion:149 Resp: 1021747

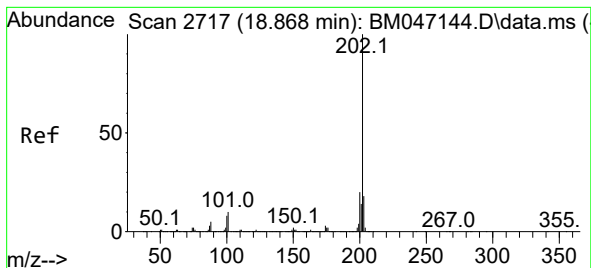
Ion Ratio Lower Upper

149 100

150 8.8 7.5 11.3

104 5.4 4.1 6.1





#75

Fluoranthene

Concen: 11.089 ng

RT: 18.868 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

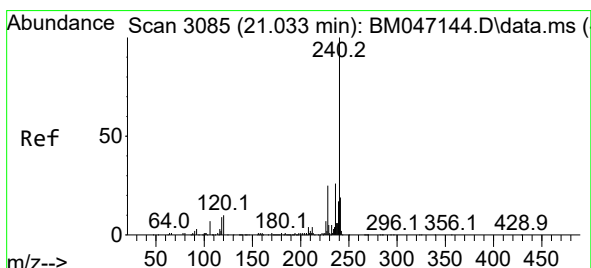
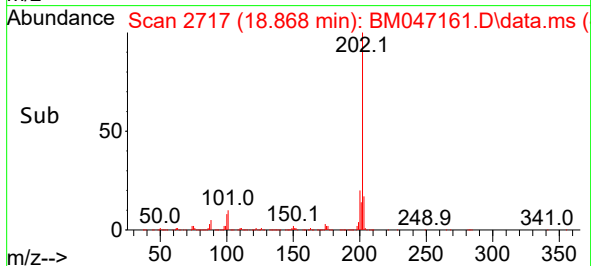
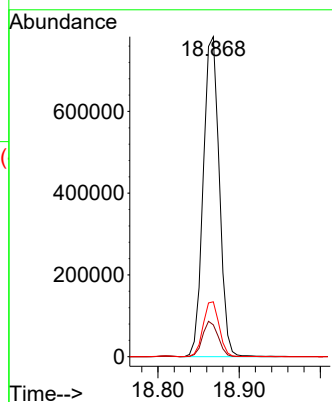
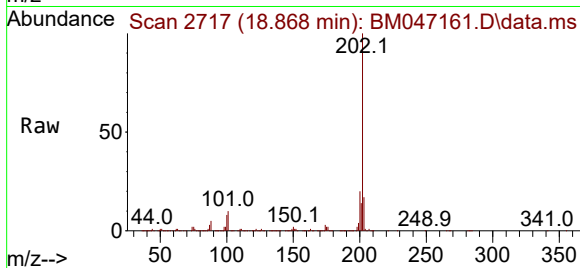
Tgt Ion:202 Resp: 1071940

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.2

203 17.1 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.027 min Scan# 3084

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

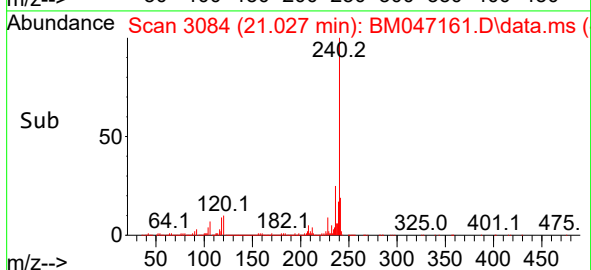
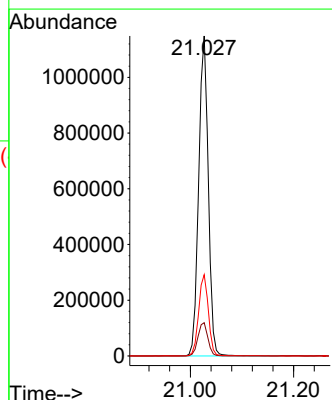
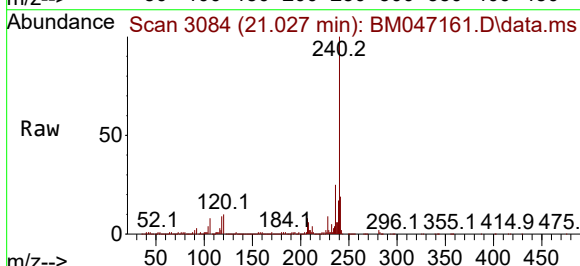
Tgt Ion:240 Resp: 1477601

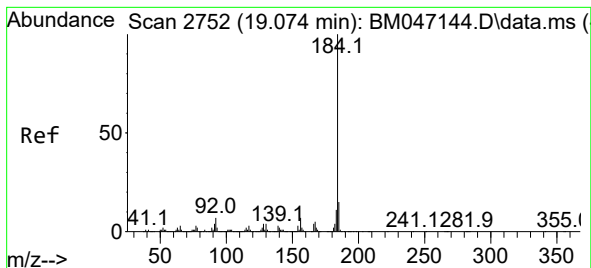
Ion Ratio Lower Upper

240 100

120 10.4 8.2 12.2

236 25.4 20.6 30.8





#77

Benzidine

Concen: 11.027 ng

RT: 19.074 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

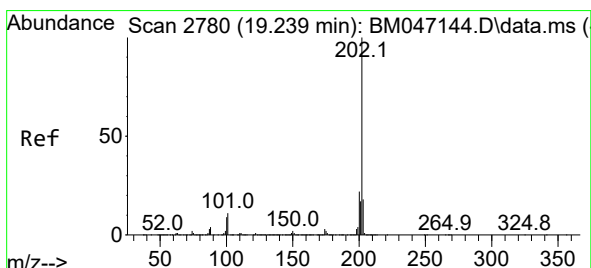
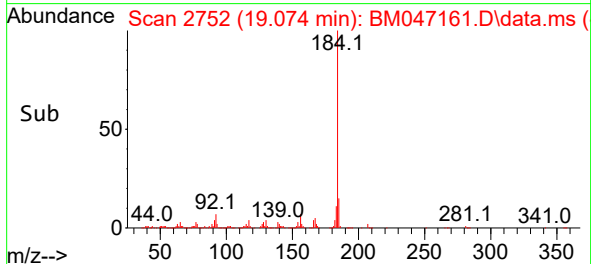
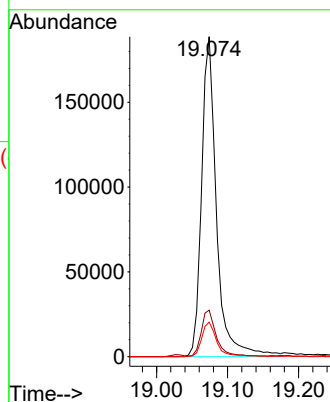
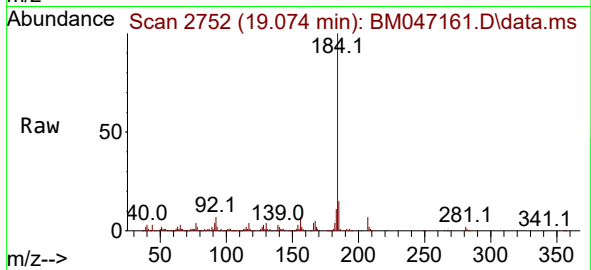
Tgt Ion:184 Resp: 276312

Ion Ratio Lower Upper

184 100

185 14.6 11.8 17.6

183 10.8 9.0 13.6



#78

Pyrene

Concen: 10.733 ng

RT: 19.233 min Scan# 2779

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

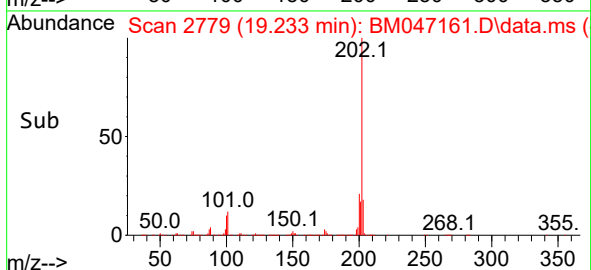
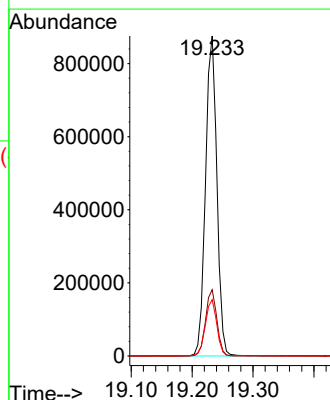
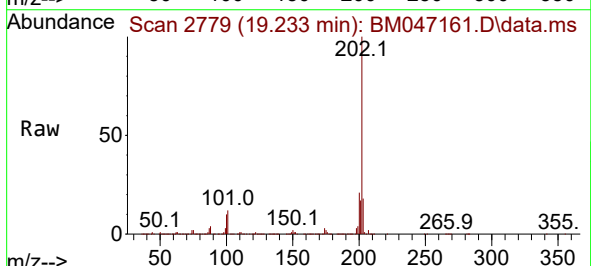
Tgt Ion:202 Resp: 1132355

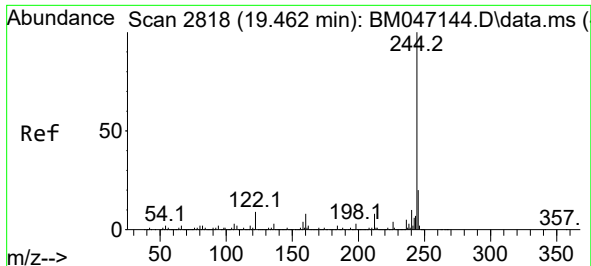
Ion Ratio Lower Upper

202 100

200 20.7 17.2 25.8

203 17.6 14.2 21.2

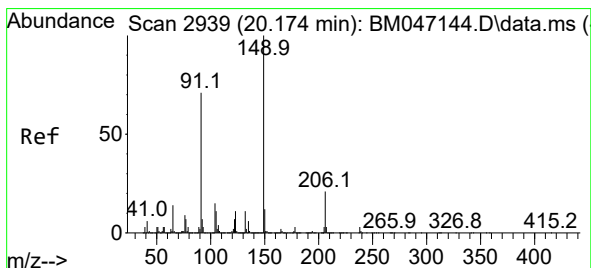
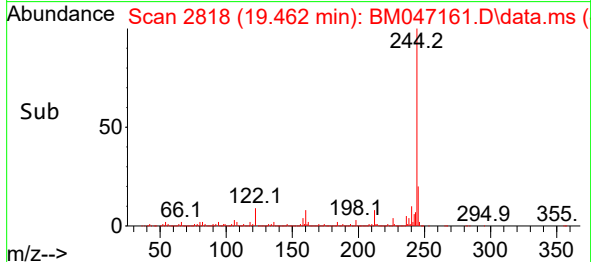
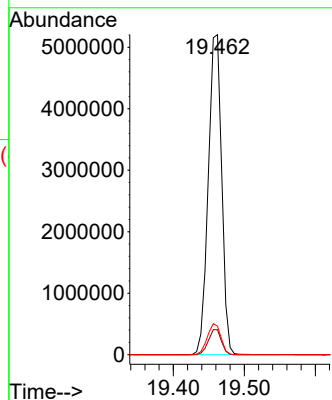
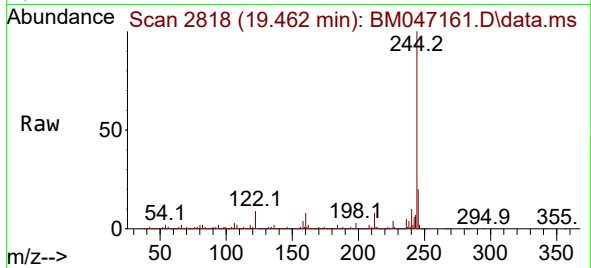




#79
 Terphenyl-d14
 Concen: 99.334 ng
 RT: 19.462 min Scan# 2818
 Delta R.T. -0.000 min
 Lab File: BM047161.D
 Acq: 12 Aug 2024 18:51

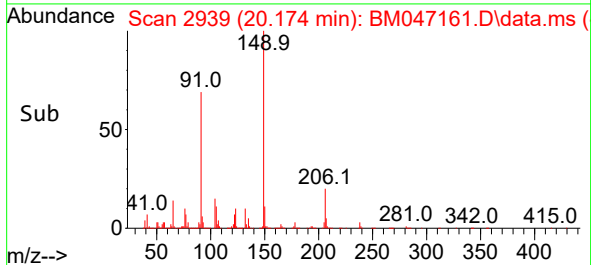
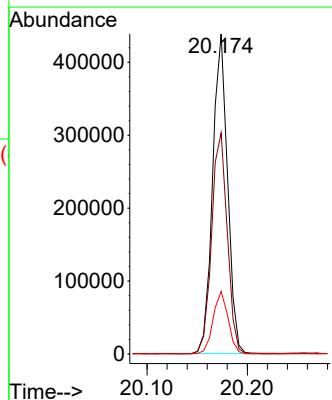
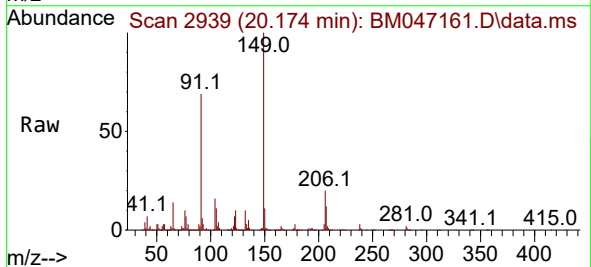
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

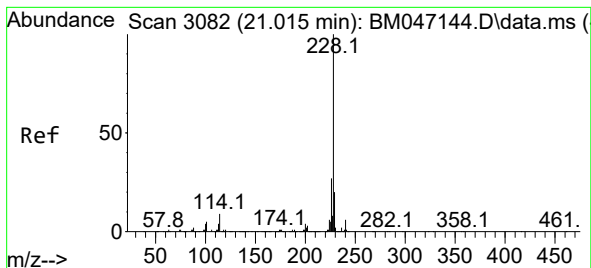
Tgt Ion:244 Resp: 6849820
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.4
 122 8.9 7.1 10.7



#80
 Butylbenzylphthalate
 Concen: 10.533 ng
 RT: 20.174 min Scan# 2939
 Delta R.T. -0.000 min
 Lab File: BM047161.D
 Acq: 12 Aug 2024 18:51

Tgt Ion:149 Resp: 453526
 Ion Ratio Lower Upper
 149 100
 91 69.1 57.0 85.4
 206 19.6 16.4 24.6





#81

Benzo(a)anthracene

Concen: 11.383 ng

RT: 21.009 min Scan# 3082

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

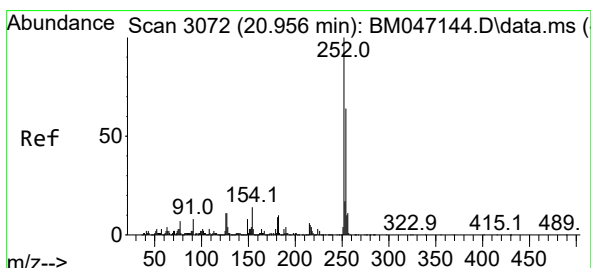
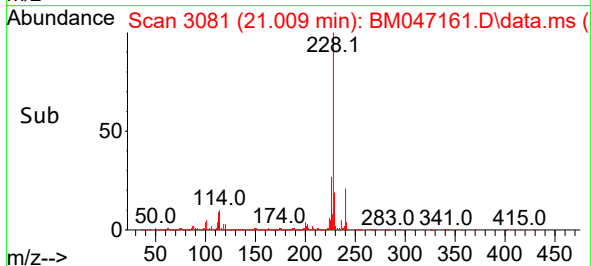
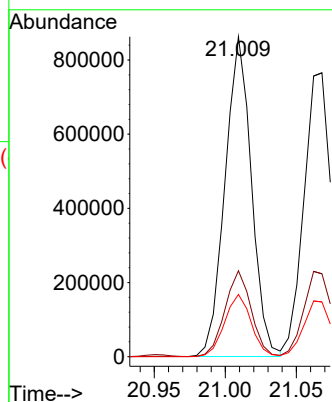
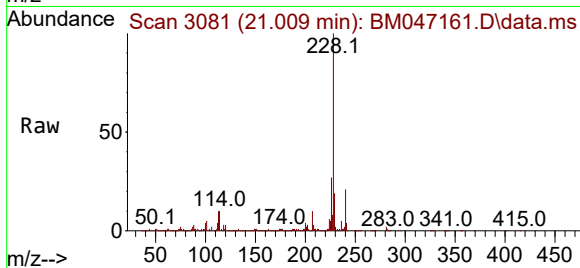
Tgt Ion:228 Resp: 1116610

Ion Ratio Lower Upper

228 100

226 26.8 21.8 32.6

229 19.5 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 13.012 ng

RT: 20.950 min Scan# 3071

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

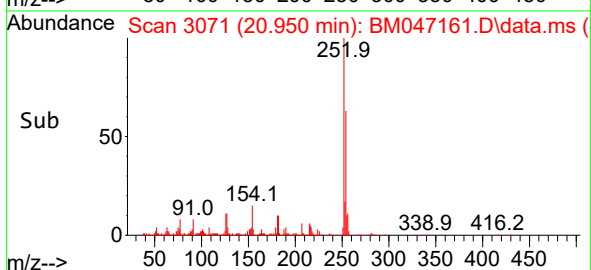
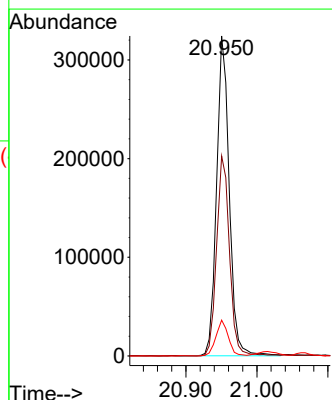
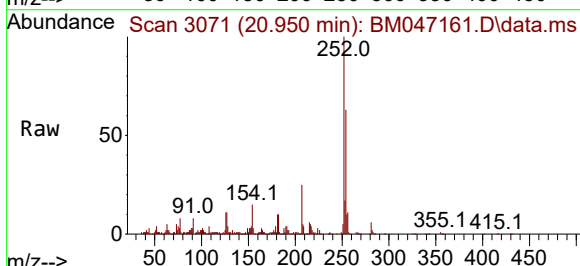
Tgt Ion:252 Resp: 399356

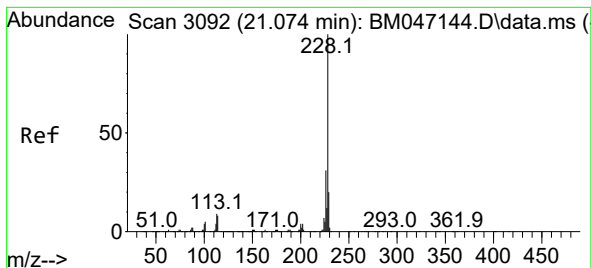
Ion Ratio Lower Upper

252 100

254 62.5 51.0 76.6

126 11.2 8.5 12.7





#83

Chrysene

Concen: 11.220 ng

RT: 21.068 min Scan# 3092

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

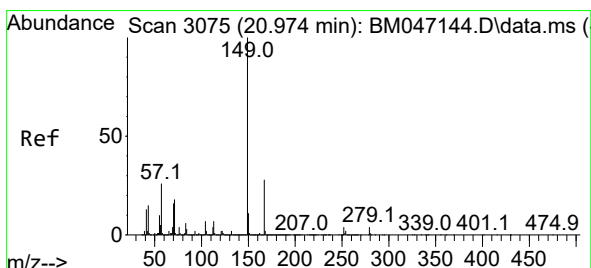
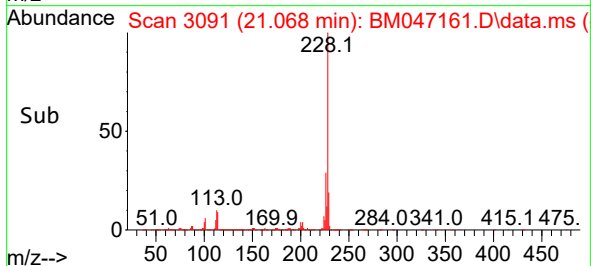
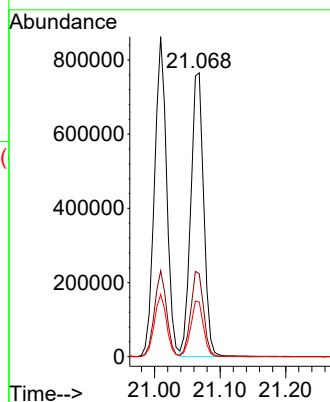
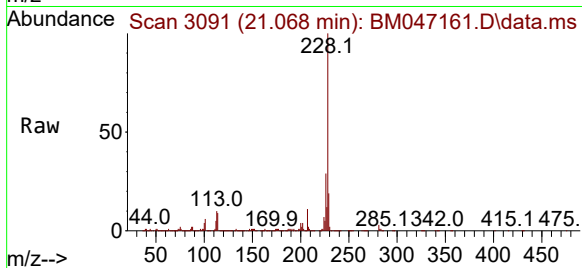
Tgt Ion:228 Resp: 1044253

Ion Ratio Lower Upper

228 100

226 29.2 24.4 36.6

229 19.3 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 11.055 ng

RT: 20.974 min Scan# 3075

Delta R.T. -0.000 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

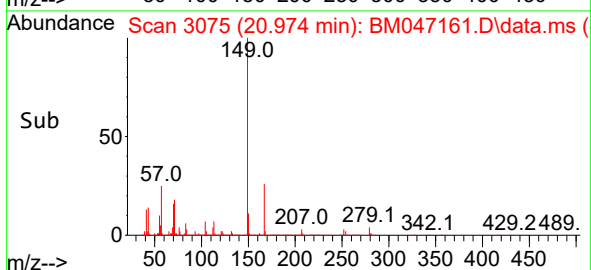
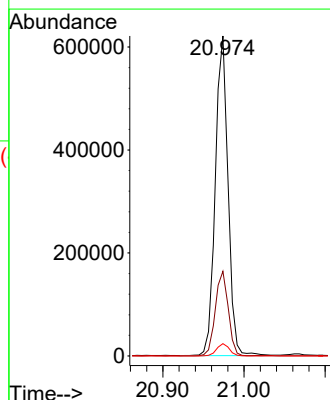
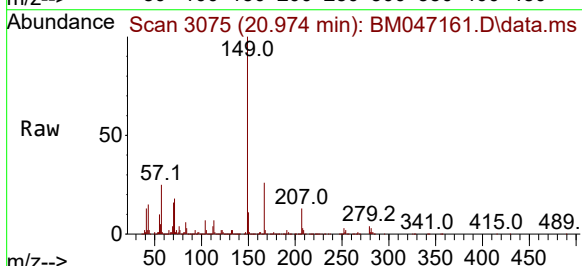
Tgt Ion:149 Resp: 675013

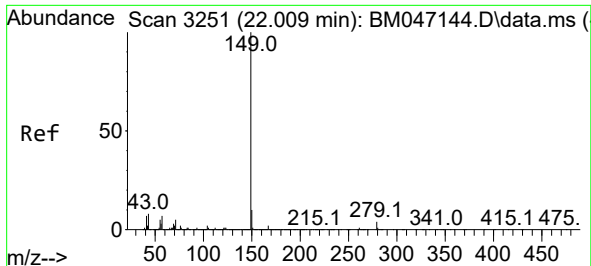
Ion Ratio Lower Upper

149 100

167 26.5 22.2 33.2

279 3.9 3.0 4.4

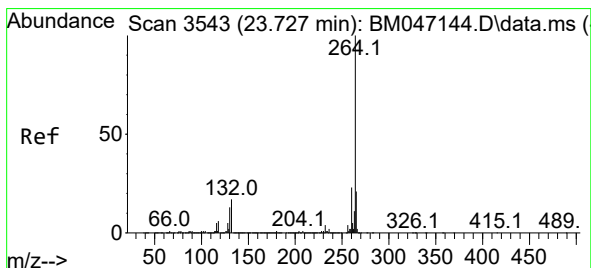
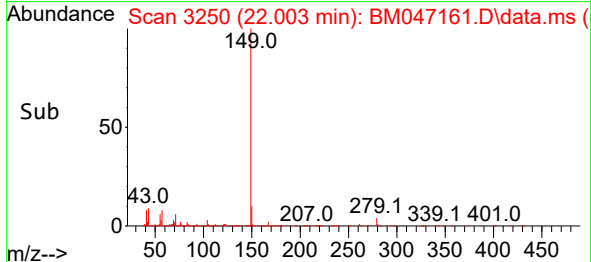
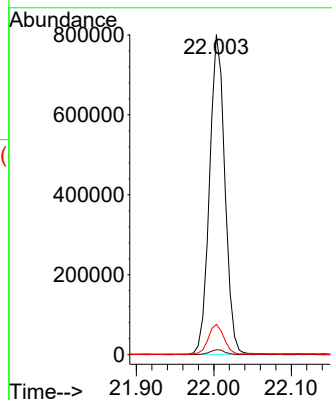
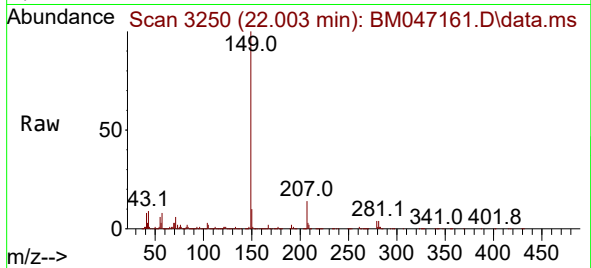




#85
Di-n-octyl phthalate
Concen: 10.573 ng
RT: 22.003 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

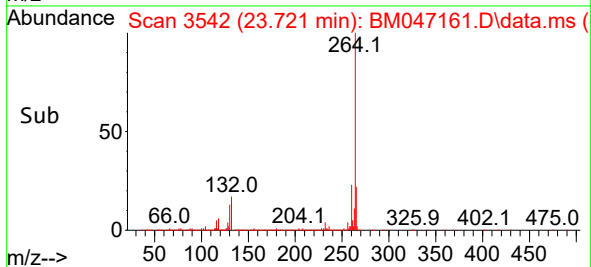
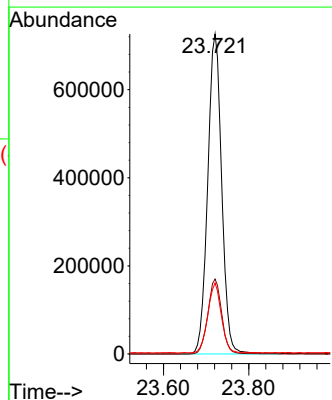
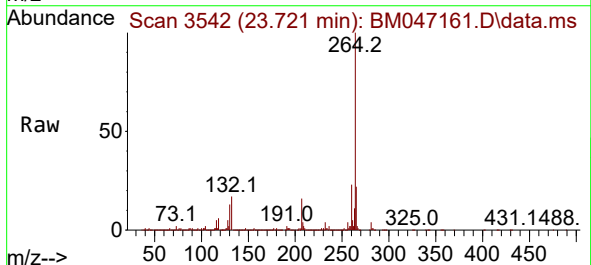
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

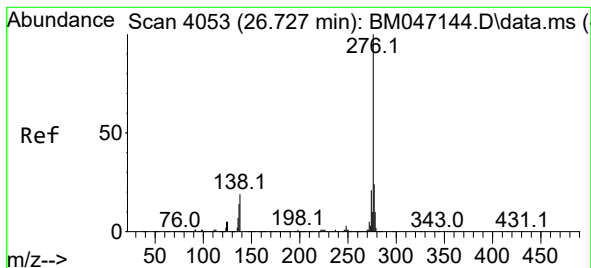
Tgt Ion:149 Resp: 1097355
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 9.7 6.9 10.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.721 min Scan# 3542
Delta R.T. -0.006 min
Lab File: BM047161.D
Acq: 12 Aug 2024 18:51

Tgt Ion:264 Resp: 1652889
Ion Ratio Lower Upper
264 100
260 23.4 18.5 27.7
265 22.1 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.806 ng

RT: 26.709 min Scan# 4053

Delta R.T. -0.018 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

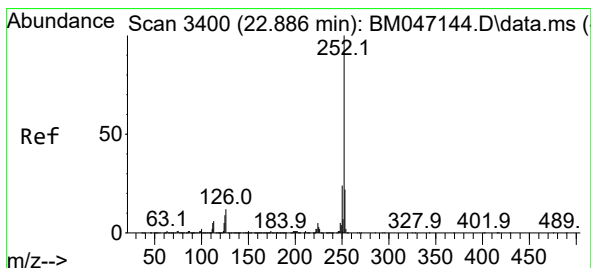
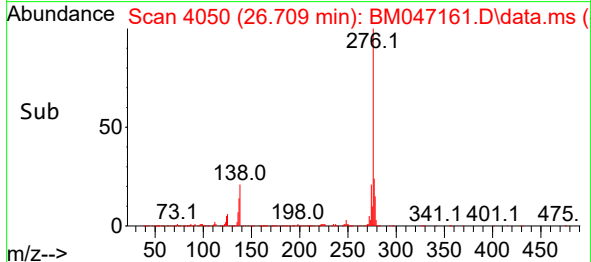
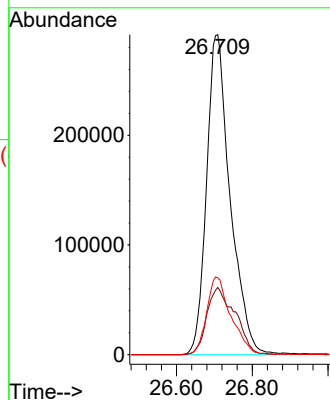
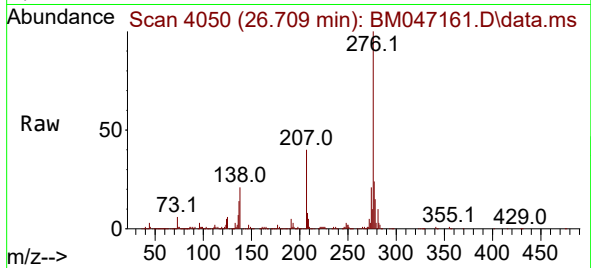
Tgt Ion:276 Resp: 1261370

Ion Ratio Lower Upper

276 100

138 25.2 19.4 29.0

277 25.0 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 11.612 ng

RT: 22.880 min Scan# 3399

Delta R.T. -0.006 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

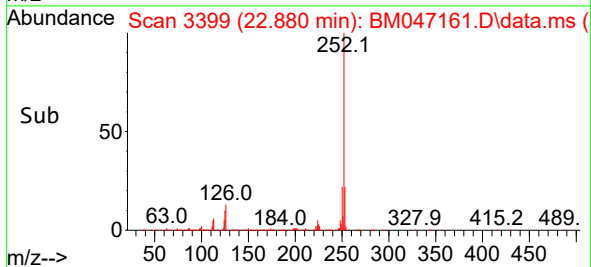
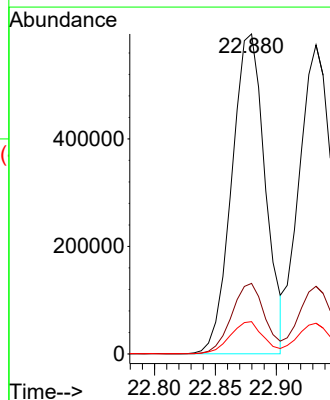
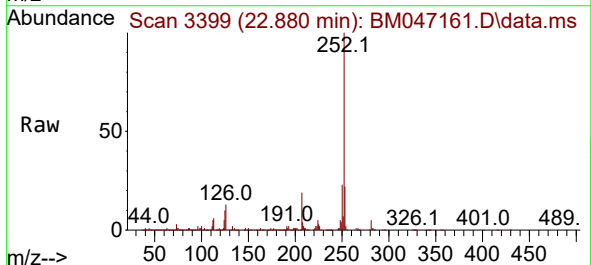
Tgt Ion:252 Resp: 1139847

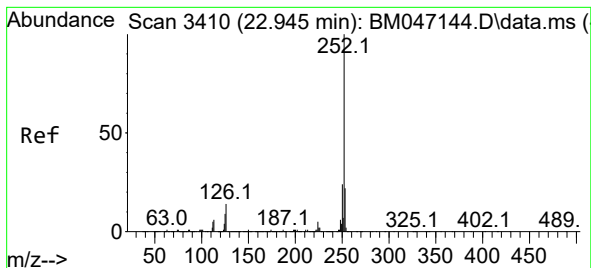
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

125 10.1 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 11.821 ng

RT: 22.933 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

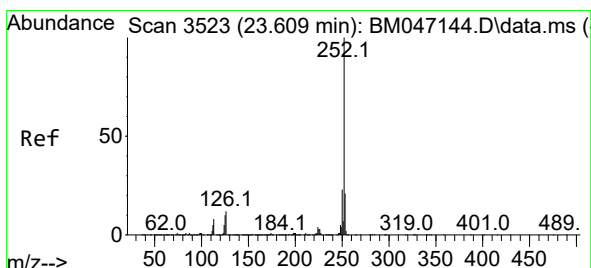
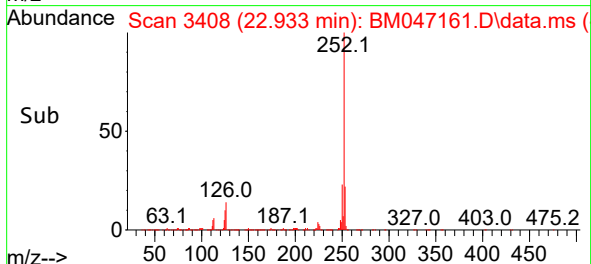
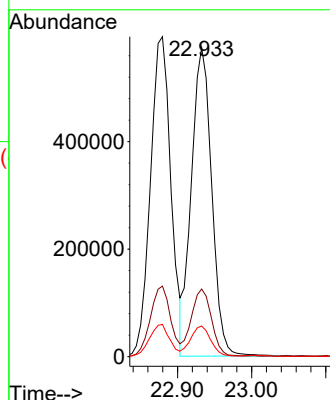
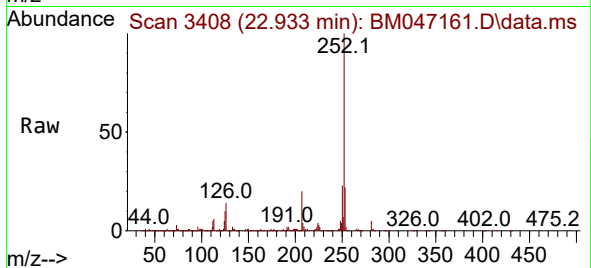
Tgt Ion:252 Resp: 1095959

Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 10.0 7.4 11.2



#90

Benzo(a)pyrene

Concen: 11.531 ng

RT: 23.591 min Scan# 3520

Delta R.T. -0.018 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

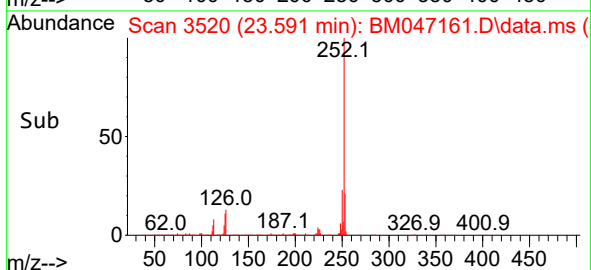
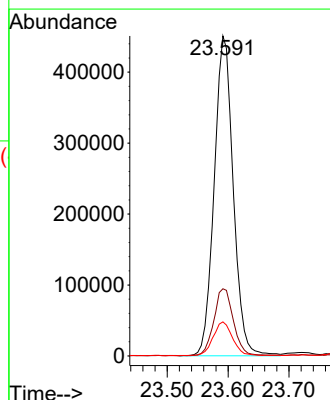
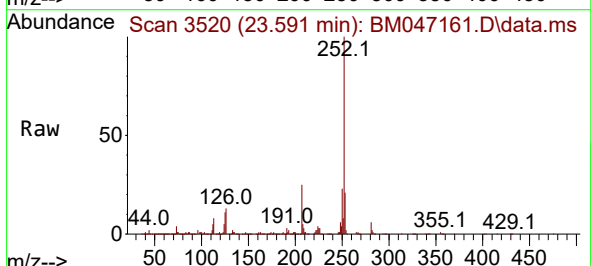
Tgt Ion:252 Resp: 980509

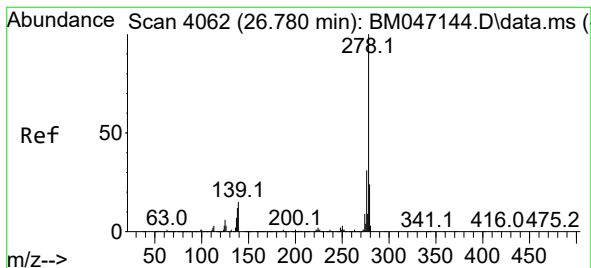
Ion Ratio Lower Upper

252 100

253 21.0 17.1 25.7

125 10.6 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 12.174 ng

RT: 26.756 min Scan# 4062

Delta R.T. -0.024 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

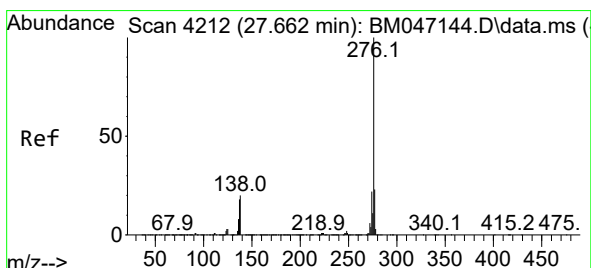
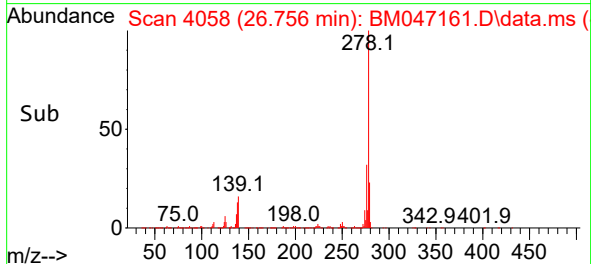
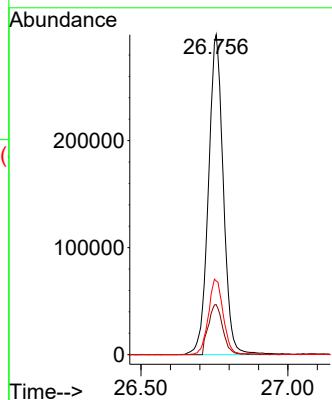
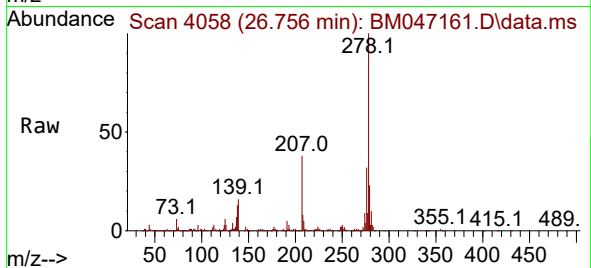
Tgt Ion:278 Resp: 1052591

Ion Ratio Lower Upper

278 100

139 15.7 12.0 18.0

279 23.1 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 11.523 ng

RT: 27.626 min Scan# 4206

Delta R.T. -0.036 min

Lab File: BM047161.D

Acq: 12 Aug 2024 18:51

Tgt Ion:276 Resp: 1034376

Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 21.5 16.2 24.4

