

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081224\
 Data File : BM047158.D
 Acq On : 12 Aug 2024 16:39
 Operator : RC/JU
 Sample : P3390-02
 Misc : LOQ-SOIL-5NG
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Aug 12 18:17:44 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	253427	20.000	ng	0.00
21) Naphthalene-d8	10.127	136	1058733	20.000	ng	0.00
39) Acenaphthene-d10	14.027	164	711313	20.000	ng	0.00
64) Phenanthrene-d10	16.792	188	1584431	20.000	ng	0.00
76) Chrysene-d12	21.027	240	1503966	20.000	ng	0.00
86) Perylene-d12	23.727	264	1717416	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	1460395	102.968	ng	0.00
7) Phenol-d6	6.581	99	1981786	101.407	ng	0.00
23) Nitrobenzene-d5	8.522	82	1809987	86.083	ng	0.00
42) 2,4,6-Tribromophenol	15.539	330	903214	109.510	ng	0.00
45) 2-Fluorobiphenyl	12.639	172	3961267	85.903	ng	0.00
79) Terphenyl-d14	19.462	244	6731819	95.911	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.034	88	33924	5.773	ng	98
3) Pyridine	3.416	79	87395	5.072	ng	98
4) n-Nitrosodimethylamine	3.334	42	42093	5.591	ng	# 91
6) Aniline	6.722	93	126539	6.850	ng	96
8) 2-Chlorophenol	6.945	128	85508	5.528	ng	97
9) Benzaldehyde	6.539	77	86293	5.870	ng	98
10) Phenol	6.604	94	108167	5.547	ng	92
11) bis(2-Chloroethyl)ether	6.822	93	96765	5.794	ng	97
12) 1,3-Dichlorobenzene	7.263	146	100825	5.485	ng	99
13) 1,4-Dichlorobenzene	7.410	146	103678	5.571	ng	99
14) 1,2-Dichlorobenzene	7.716	146	102037	5.811	ng	99
15) Benzyl Alcohol	7.622	79	82183	5.909	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.916	45	129550	6.046	ng	97
17) 2-Methylphenol	7.834	107	70742	5.438	ng	97
18) Hexachloroethane	8.428	117	38163	5.294	ng	100
19) n-Nitroso-di-n-propyla...	8.181	70	80821	6.140	ng	97
20) 3+4-Methylphenols	8.157	107	96381	5.299	ng	97
22) Acetophenone	8.192	105	153243	5.996	ng	98
24) Nitrobenzene	8.563	77	120012	5.668	ng	98
25) Isophorone	9.086	82	211358	5.773	ng	100
26) 2-Nitrophenol	9.263	139	43513	4.641	ng	94
27) 2,4-Dimethylphenol	9.339	122	52392	4.770	ng	97
28) bis(2-Chloroethoxy)met...	9.575	93	132918	5.770	ng	100
29) 2,4-Dichlorophenol	9.798	162	82421	5.057	ng	98
30) 1,2,4-Trichlorobenzene	9.998	180	98561	5.344	ng	99
31) Naphthalene	10.175	128	295962	5.611	ng	100
32) Benzoic acid	9.439	122	38813	3.042	ng	96
33) 4-Chloroaniline	10.304	127	119973	5.915	ng	98
34) Hexachlorobutadiene	10.463	225	52471	4.861	ng	97
35) Caprolactam	11.086	113	30209	5.338	ng	87
36) 4-Chloro-3-methylphenol	11.445	107	90423	5.210	ng	96
37) 2-Methylnaphthalene	11.804	142	208647	5.556	ng	99
38) 1-Methylnaphthalene	12.027	142	203657	5.487	ng	98
40) 1,2,4,5-Tetrachloroben...	12.186	216	104507	5.387	ng	98
41) Hexachlorocyclopentadiene	12.163	237	17774	2.624	ng	93
43) 2,4,6-Trichlorophenol	12.445	196	67962	4.928	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081224\
 Data File : BM047158.D
 Acq On : 12 Aug 2024 16:39
 Operator : RC/JU
 Sample : P3390-02
 Misc : LOQ-SOIL-5NG
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Aug 12 18:17:44 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

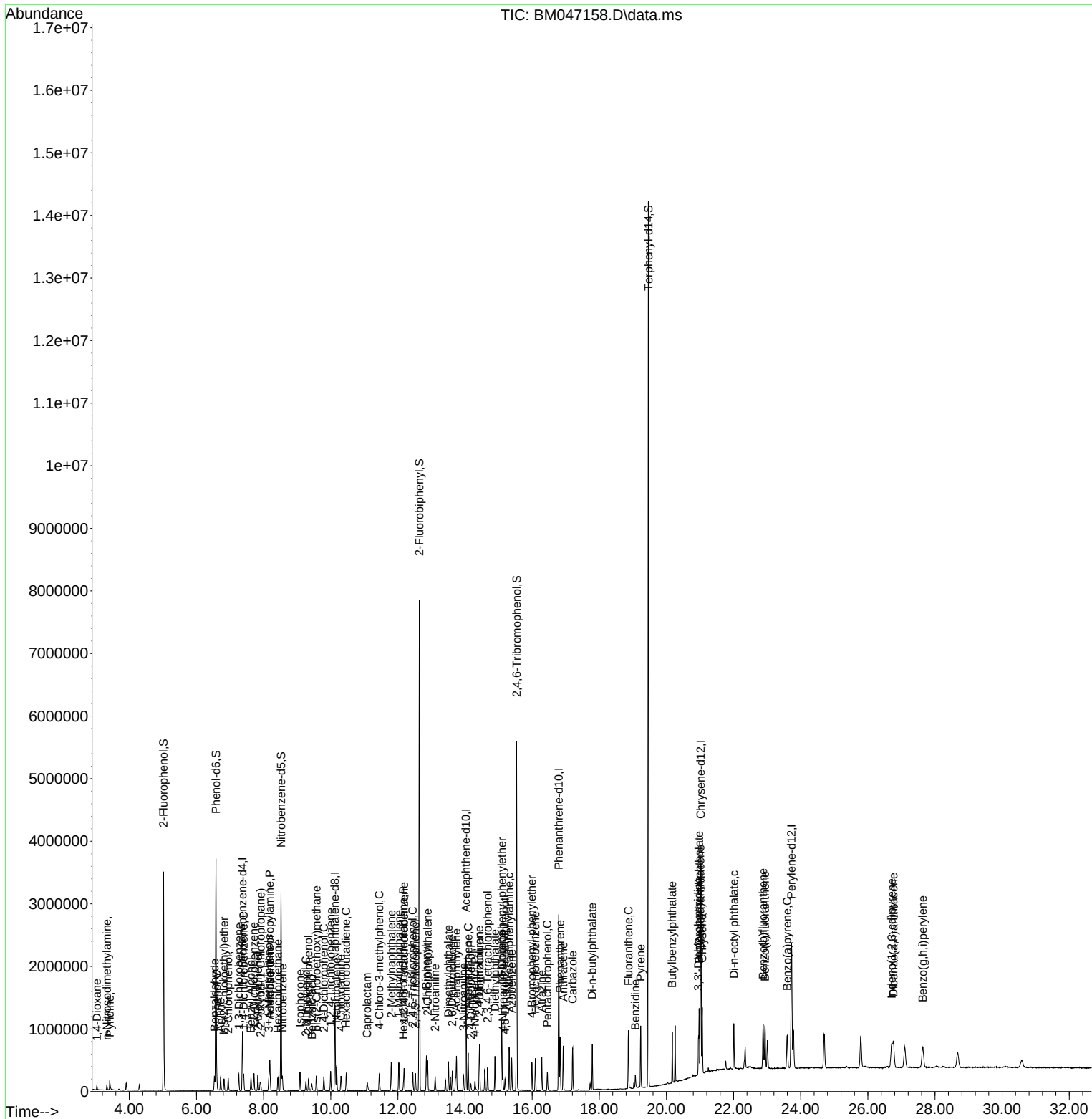
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.521	196	76530	4.998	ng	96
46) 1,1'-Biphenyl	12.851	154	291151	5.749	ng	98
47) 2-Chloronaphthalene	12.886	162	225137	5.688	ng	99
48) 2-Nitroaniline	13.110	65	64418	5.195	ng	93
49) Acenaphthylene	13.745	152	365444	6.264	ng	98
50) Dimethylphthalate	13.504	163	294822	5.935	ng	99
51) 2,6-Dinitrotoluene	13.621	165	57707	4.969	ng	98
52) Acenaphthene	14.098	154	215901	5.834	ng	99
53) 3-Nitroaniline	13.957	138	60920	5.235	ng	98
54) 2,4-Dinitrophenol	14.174	184	23851	3.427	ng	92
55) Dibenzofuran	14.433	168	360558	6.168	ng	100
56) 4-Nitrophenol	14.298	139	47118	4.696	ng	93
57) 2,4-Dinitrotoluene	14.421	165	77166	4.978	ng	88
58) Fluorene	15.092	166	287003	5.950	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.674	232	69490	5.522	ng	98
60) Diethylphthalate	14.892	149	290504	5.726	ng	99
61) 4-Chlorophenyl-phenyle...	15.098	204	136794	5.957	ng	98
62) 4-Nitroaniline	15.127	138	61354	5.352	ng	94
63) Azobenzene	15.392	77	288228	5.992	ng	98
65) 4,6-Dinitro-2-methylph...	15.192	198	35455	3.822	ng	88
66) n-Nitrosodiphenylamine	15.315	169	244962	5.676	ng	99
67) 4-Bromophenyl-phenylether	15.992	248	78709	5.155	ng	97
68) Hexachlorobenzene	16.098	284	99219	5.426	ng	97
69) Atrazine	16.286	200	84913	6.539	ng	97
70) Pentachlorophenol	16.451	266	49823	3.887	ng	100
71) Phenanthrene	16.833	178	471391	5.928	ng	99
72) Anthracene	16.927	178	418074	5.404	ng	99
73) Carbazole	17.209	167	436887	5.530	ng	99
74) Di-n-butylphthalate	17.792	149	491607	5.348	ng	99
75) Fluoranthene	18.868	202	525254	5.431	ng	99
77) Benzidine	19.074	184	128927	5.055	ng	99
78) Pyrene	19.233	202	561110	5.225	ng	99
80) Butylbenzylphthalate	20.174	149	214618	4.897	ng	96
81) Benzo(a)anthracene	21.009	228	552253	5.531	ng	98
82) 3,3'-Dichlorobenzidine	20.956	252	179274	5.739	ng	97
83) Chrysene	21.068	228	521326	5.503	ng	99
84) Bis(2-ethylhexyl)phtha...	20.974	149	330442	5.317	ng	97
85) Di-n-octyl phthalate	22.009	149	506986	4.799	ng	97
87) Indeno(1,2,3-cd)pyrene	26.709	276	612479	5.517	ng	99
88) Benzo(b)fluoranthene	22.880	252	566342	5.553	ng	98
89) Benzo(k)fluoranthene	22.938	252	532752	5.530	ng	99
90) Benzo(a)pyrene	23.597	252	469737	5.317	ng	98
91) Dibenzo(a,h)anthracene	26.762	278	512367	5.703	ng	99
92) Benzo(g,h,i)perylene	27.638	276	500742	5.369	ng	98

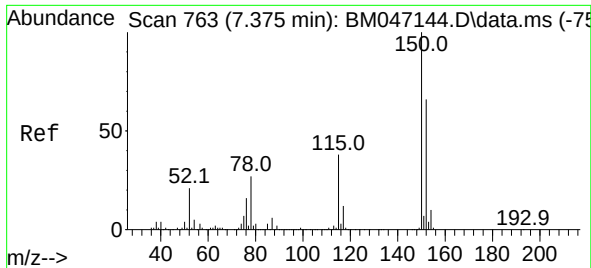
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_M

ClientSampleId :
LOQ-SOIL-02-QT3-2024

Quant Time: Aug 12 18:17:44 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

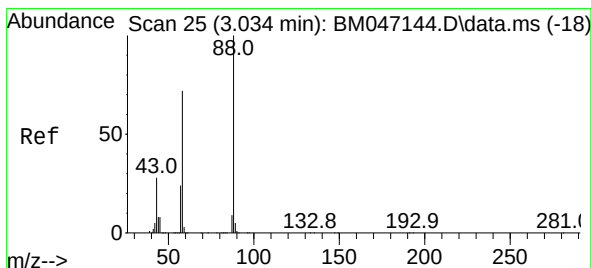
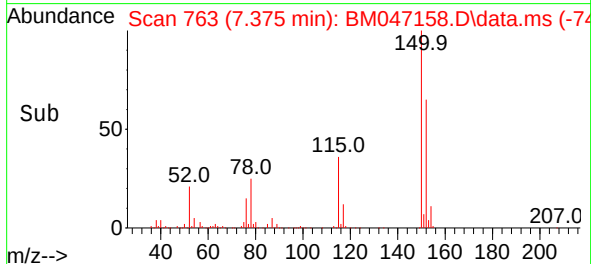
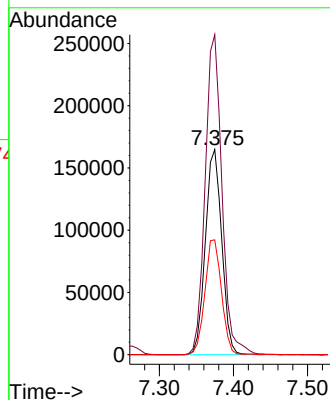
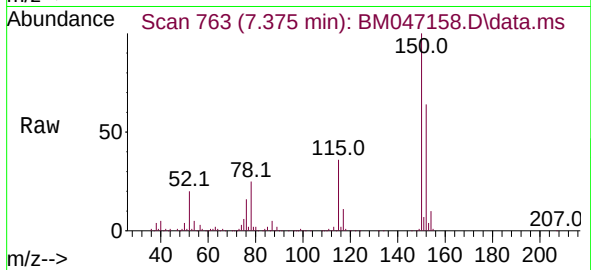




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 763
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

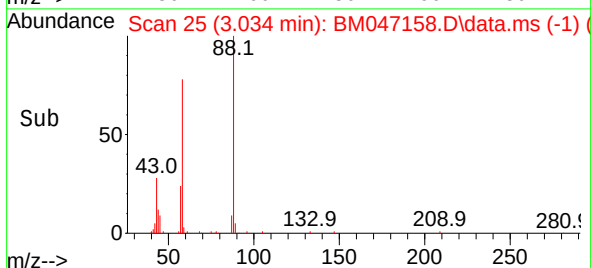
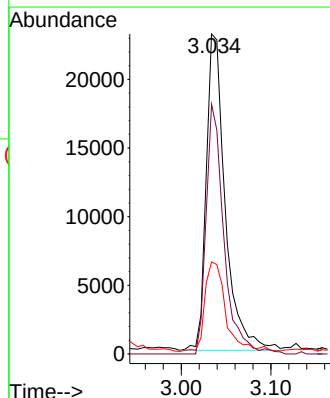
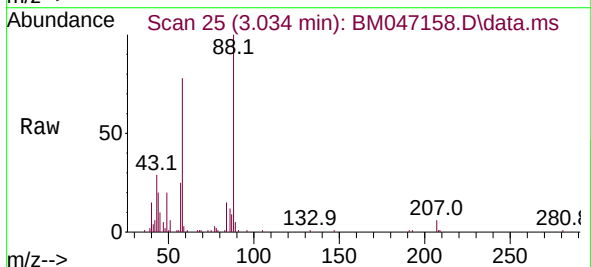
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

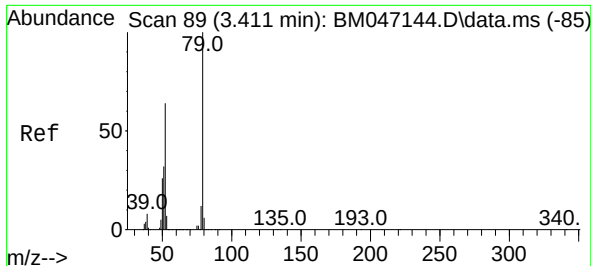
Tgt Ion:152 Resp: 253427
Ion Ratio Lower Upper
152 100
150 156.0 120.5 180.7
115 56.0 45.5 68.3



#2
1,4-Dioxane
Concen: 5.773 ng
RT: 3.034 min Scan# 25
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

Tgt Ion: 88 Resp: 33924
Ion Ratio Lower Upper
88 100
58 73.6 58.2 87.4
43 30.7 22.5 33.7





#3

Pyridine

Concen: 5.072 ng

RT: 3.416 min Scan# 90

Delta R.T. 0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

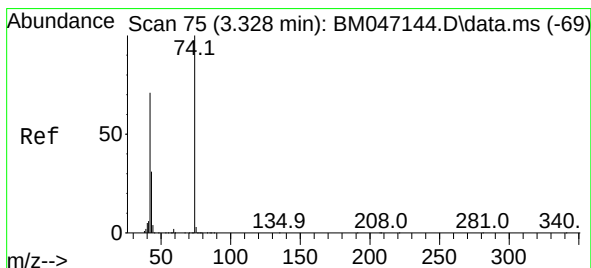
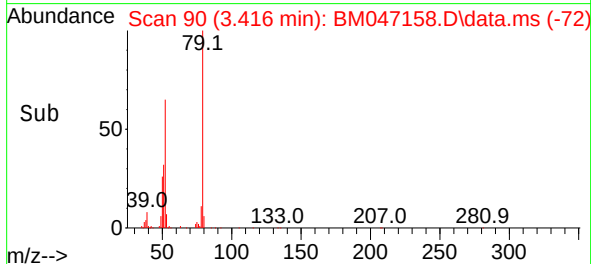
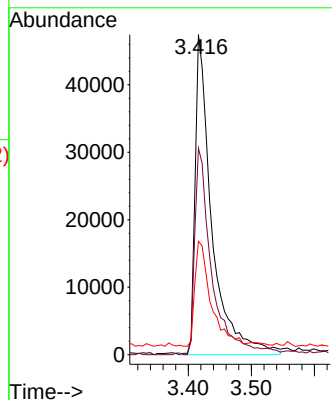
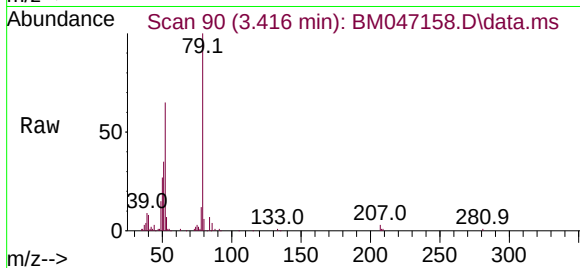
Tgt Ion: 79 Resp: 87395

Ion Ratio Lower Upper

79 100

52 64.5 51.2 76.8

51 35.5 26.1 39.1



#4

n-Nitrosodimethylamine

Concen: 5.591 ng

RT: 3.334 min Scan# 76

Delta R.T. 0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

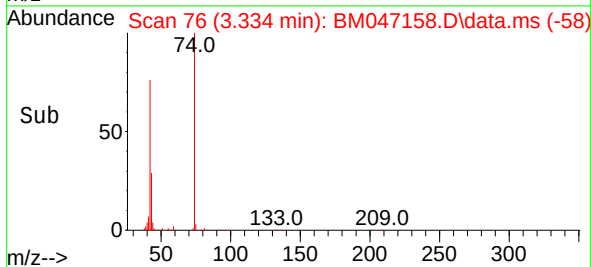
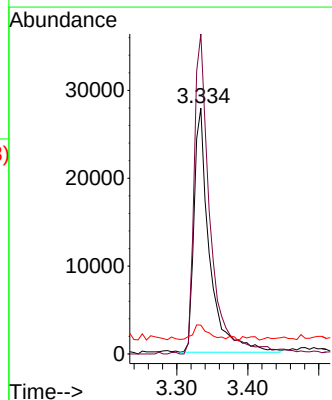
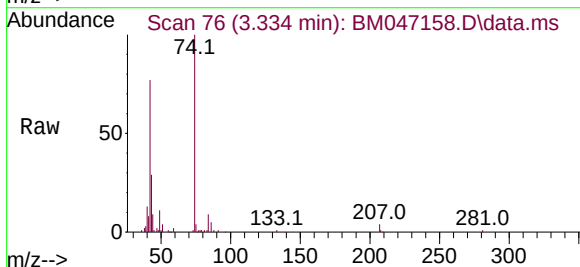
Tgt Ion: 42 Resp: 42093

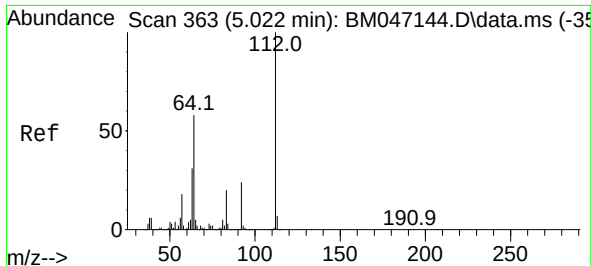
Ion Ratio Lower Upper

42 100

74 130.2 112.9 169.3

44 11.7 5.3 7.9#

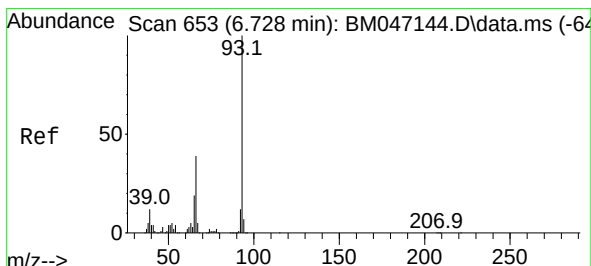
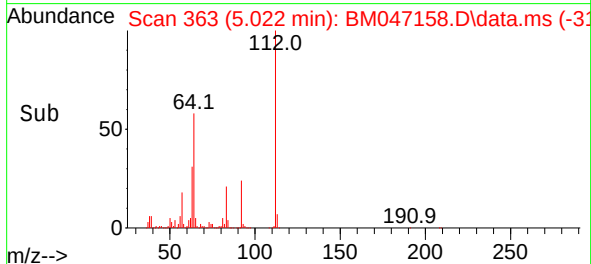
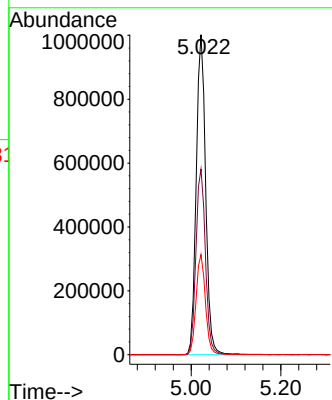
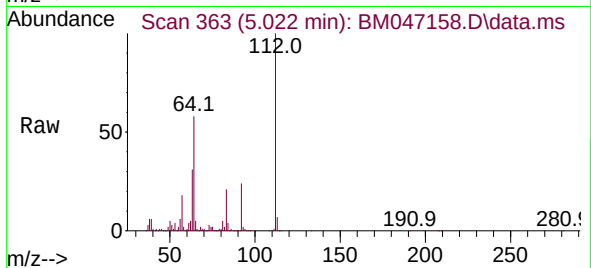




#5
2-Fluorophenol
Concen: 102.968 ng
RT: 5.022 min Scan# 363
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

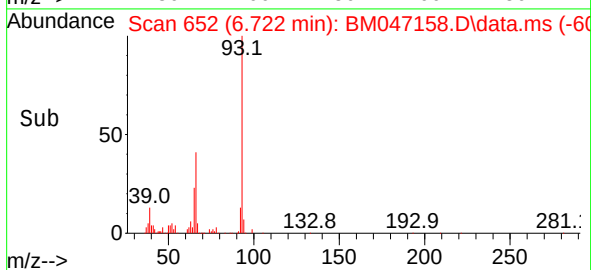
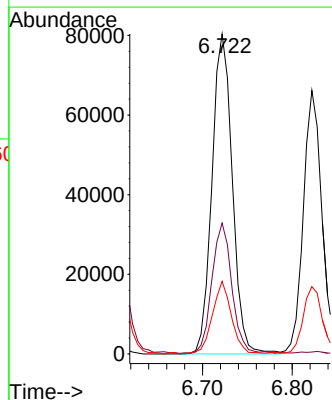
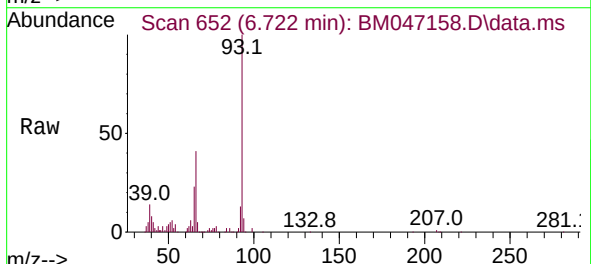
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

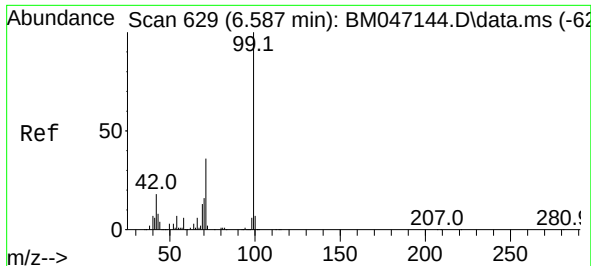
Tgt Ion:112 Resp: 1460395
Ion Ratio Lower Upper
112 100
64 58.0 46.7 70.1
63 31.3 24.8 37.2



#6
Aniline
Concen: 6.850 ng
RT: 6.722 min Scan# 652
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

Tgt Ion: 93 Resp: 126539
Ion Ratio Lower Upper
93 100
66 40.9 31.4 47.2
65 22.7 15.6 23.4

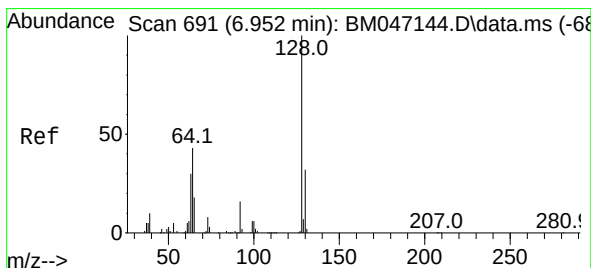
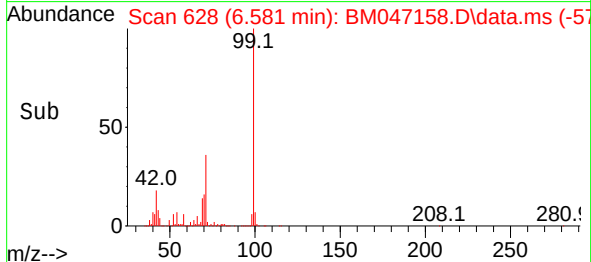
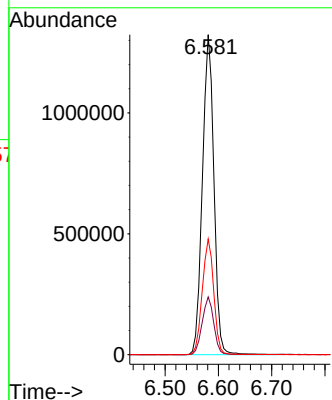
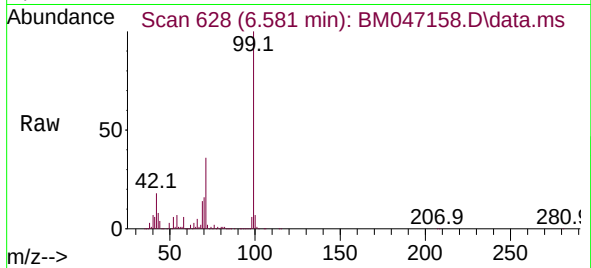




#7
Phenol-d6
Concen: 101.407 ng
RT: 6.581 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

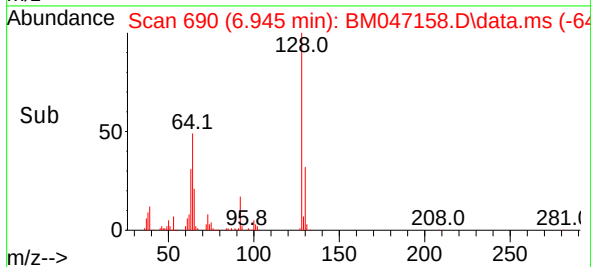
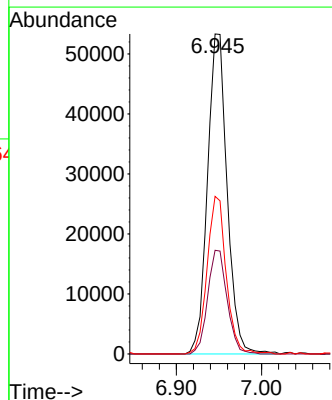
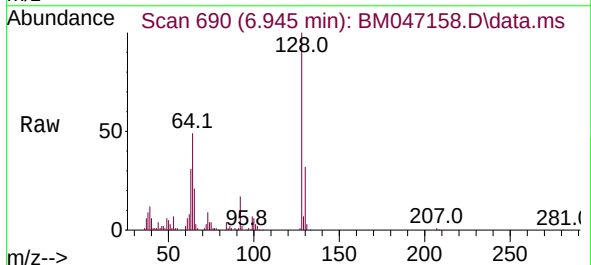
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

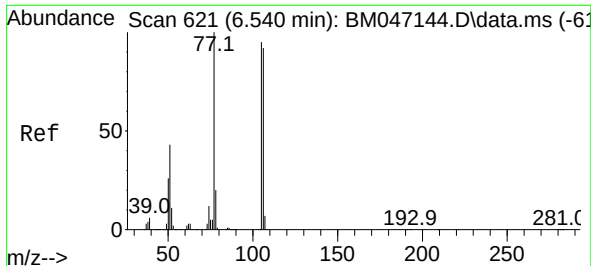
Tgt Ion: 99 Resp: 1981786
Ion Ratio Lower Upper
99 100
42 18.1 14.1 21.1
71 36.2 28.5 42.7



#8
2-Chlorophenol
Concen: 5.528 ng
RT: 6.945 min Scan# 690
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

Tgt Ion: 128 Resp: 85508
Ion Ratio Lower Upper
128 100
130 32.4 12.1 52.1
64 49.3 26.6 66.6

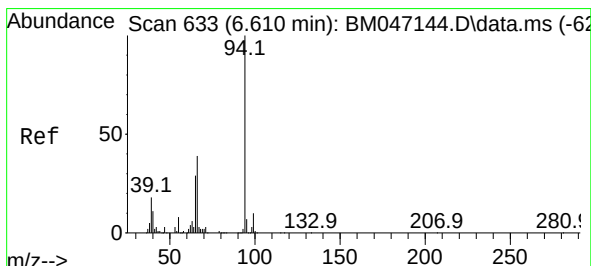
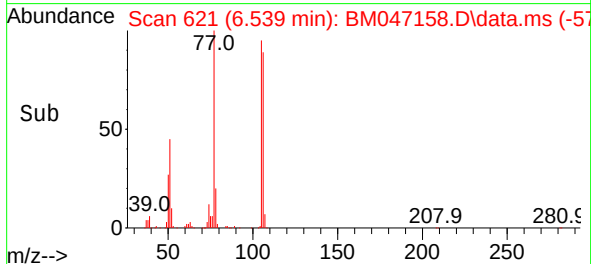
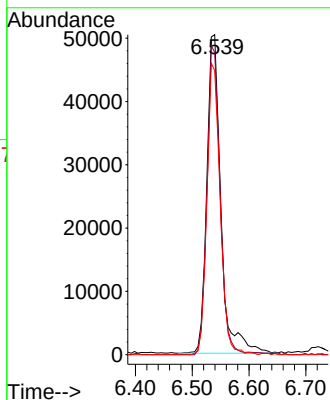
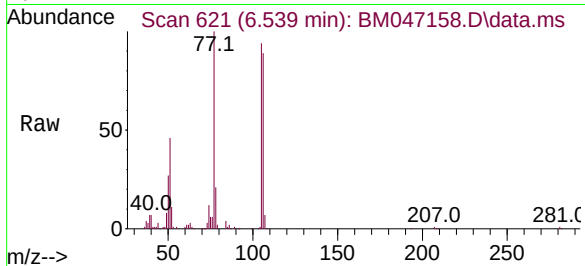




#9
Benzaldehyde
Concen: 5.870 ng
RT: 6.539 min Scan# 61
Delta R.T. -0.001 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

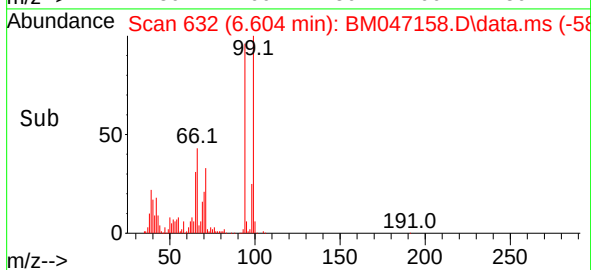
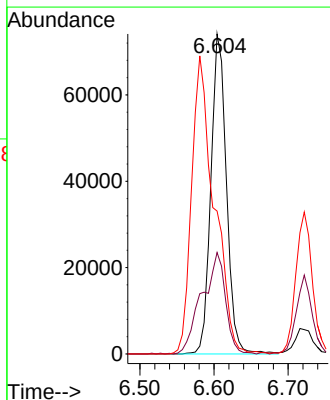
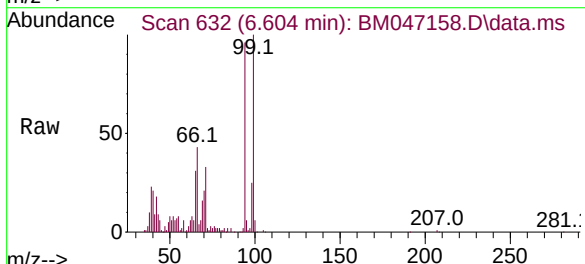
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

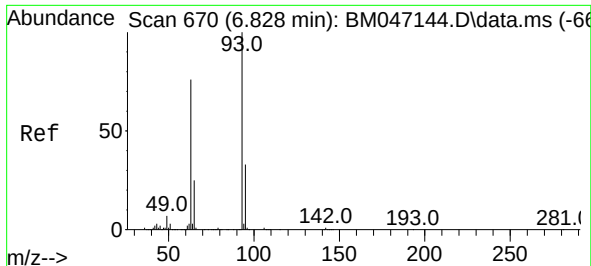
Tgt Ion: 77 Resp: 86293
Ion Ratio Lower Upper
77 100
105 94.5 74.5 114.5
106 88.8 72.3 112.3



#10
Phenol
Concen: 5.547 ng
RT: 6.604 min Scan# 632
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

Tgt Ion: 94 Resp: 108167
Ion Ratio Lower Upper
94 100
65 31.7 9.0 49.0
66 44.7 18.9 58.9

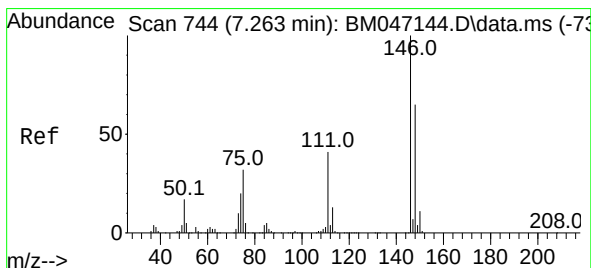
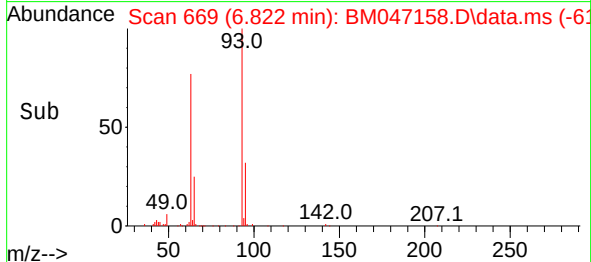
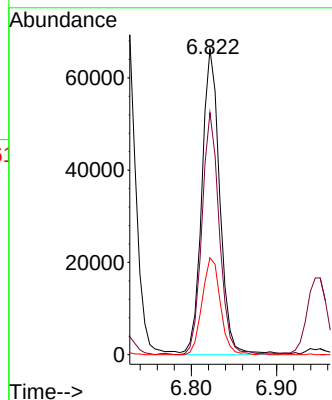
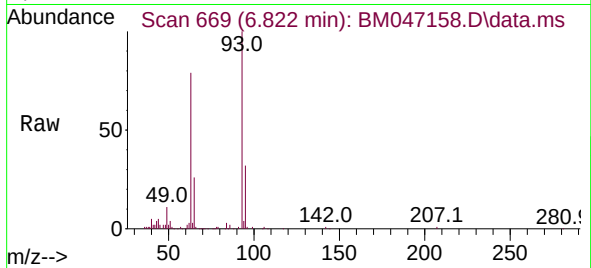




#11
bis(2-Chloroethyl)ether
Concen: 5.794 ng
RT: 6.822 min Scan# 669
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

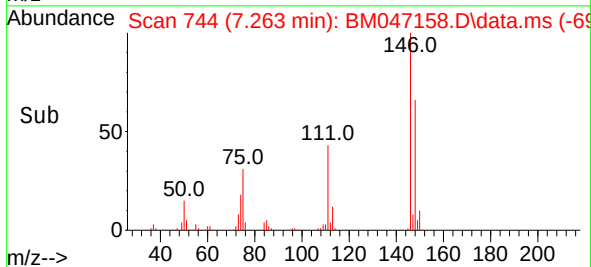
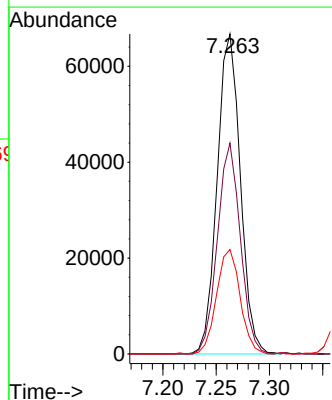
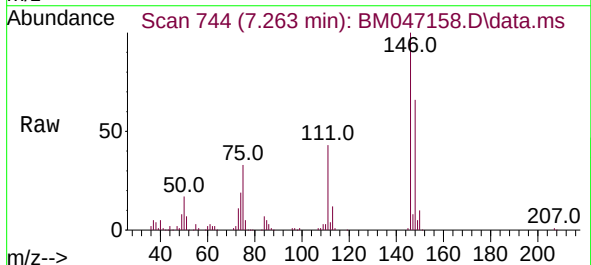
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

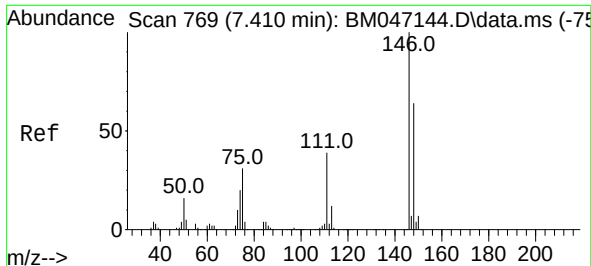
Tgt Ion:	93	Resp:	96765
Ion	Ratio	Lower	Upper
93	100		
63	79.3	55.8	95.8
95	31.7	12.7	52.7



#12
1,3-Dichlorobenzene
Concen: 5.485 ng
RT: 7.263 min Scan# 744
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

Tgt Ion:	146	Resp:	100825
Ion	Ratio	Lower	Upper
146	100		
148	65.9	52.3	78.5
75	32.6	25.8	38.6

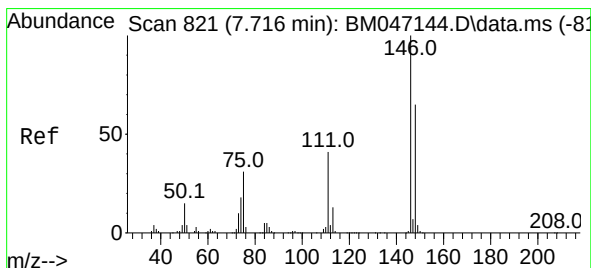
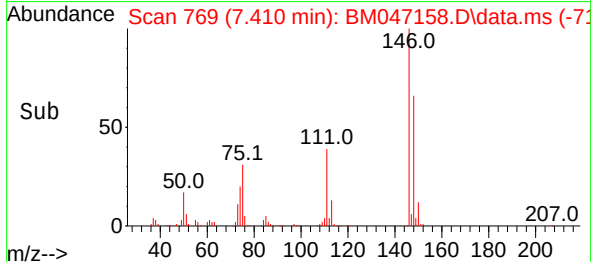
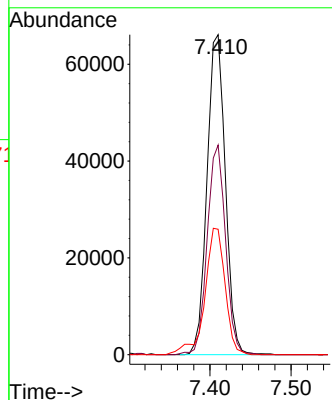
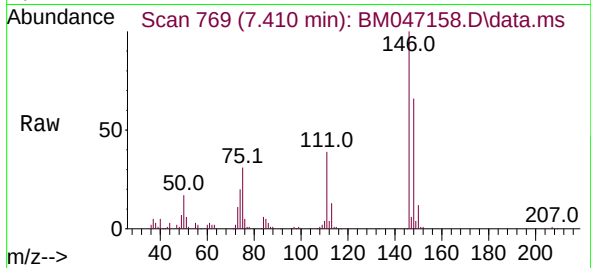




#13
1,4-Dichlorobenzene
Concen: 5.571 ng
RT: 7.410 min Scan# 769
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

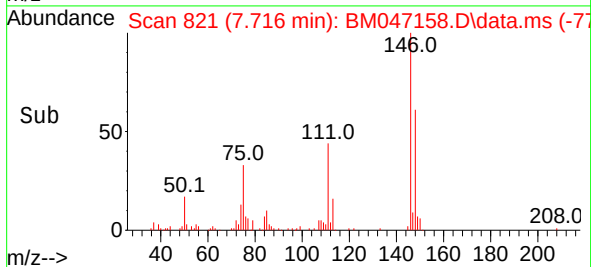
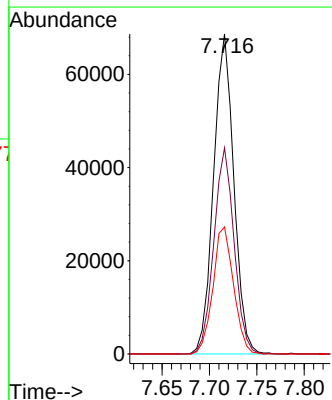
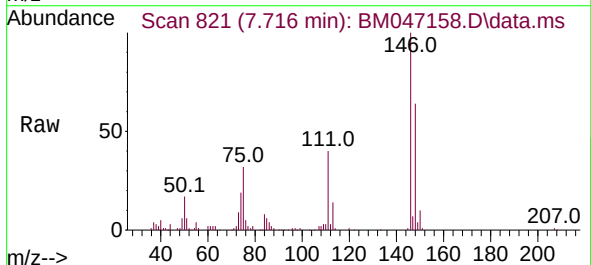
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

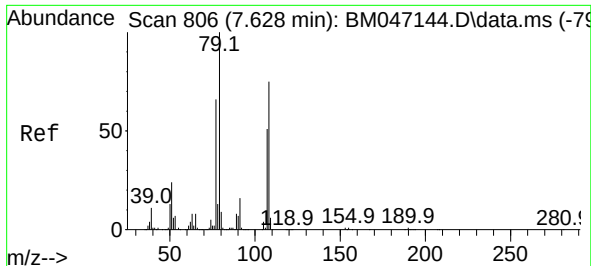
Tgt Ion:146 Resp: 103678
Ion Ratio Lower Upper
146 100
148 65.5 51.4 77.2
111 39.2 31.5 47.3



#14
1,2-Dichlorobenzene
Concen: 5.811 ng
RT: 7.716 min Scan# 821
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

Tgt Ion:146 Resp: 102037
Ion Ratio Lower Upper
146 100
148 64.4 51.8 77.8
111 39.7 33.3 49.9

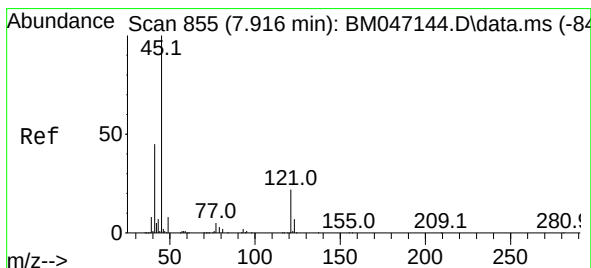
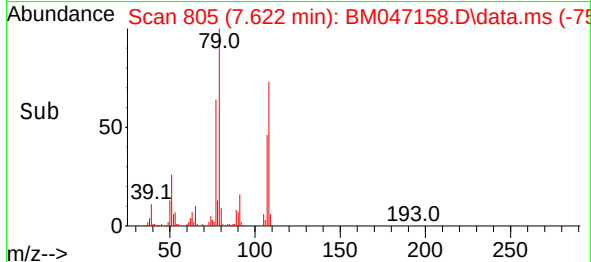
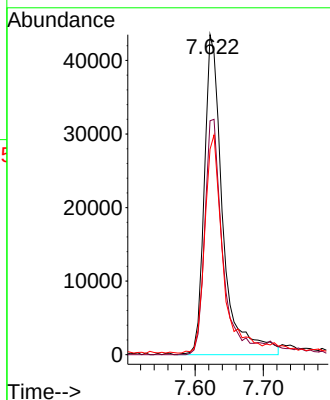
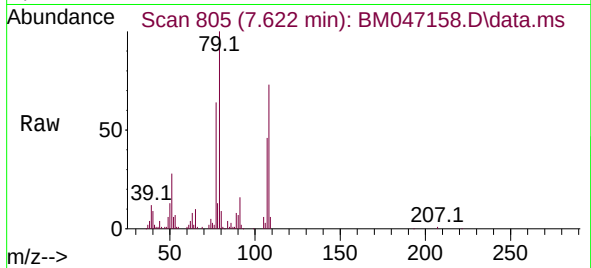




#15
Benzyl Alcohol
Concen: 5.909 ng
RT: 7.622 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

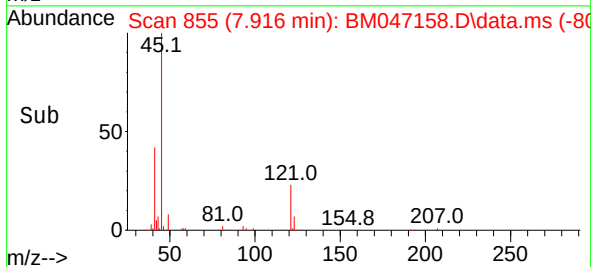
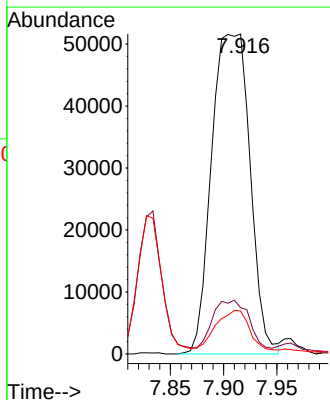
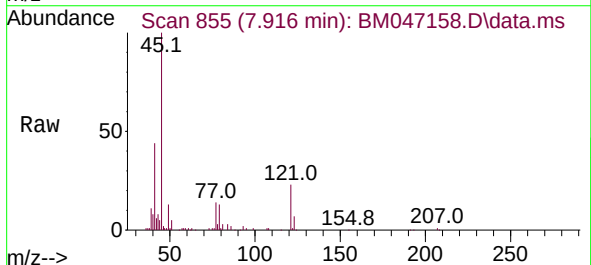
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

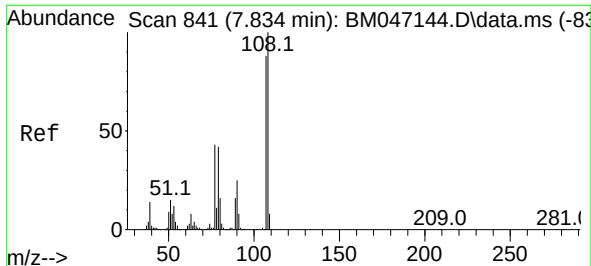
Tgt Ion: 79 Resp: 82183
Ion Ratio Lower Upper
79 100
108 73.1 59.7 89.5
77 64.2 52.9 79.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.046 ng
RT: 7.916 min Scan# 855
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

Tgt Ion: 45 Resp: 129550
Ion Ratio Lower Upper
45 100
77 14.5 0.0 35.6
79 13.4 0.0 32.4

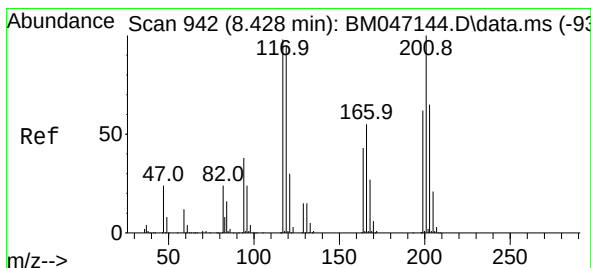
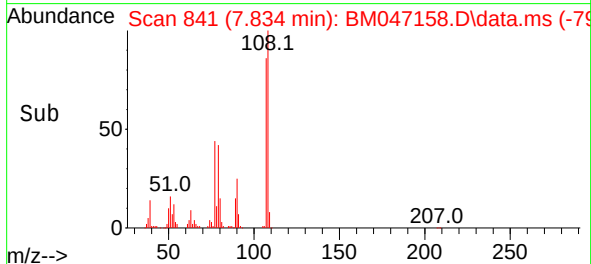
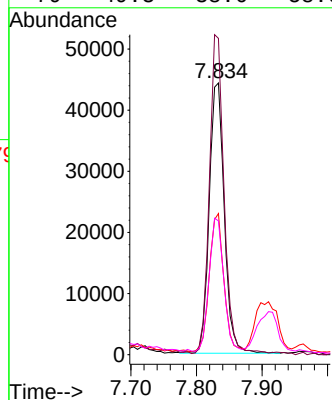
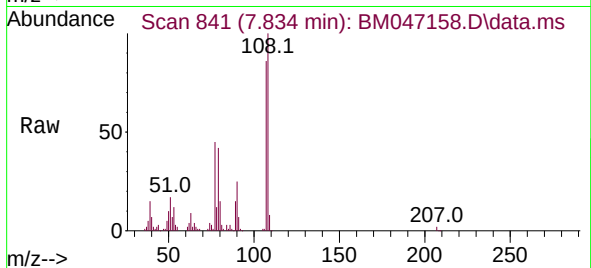




#17
2-Methylphenol
Concen: 5.438 ng
RT: 7.834 min Scan# 841
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

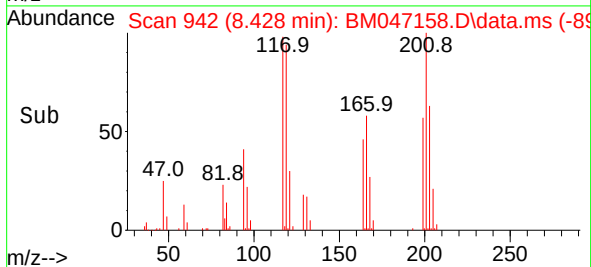
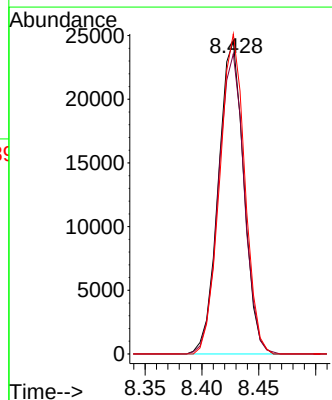
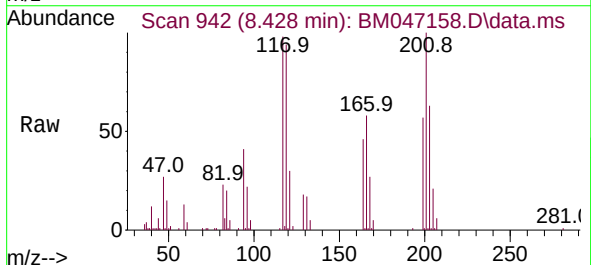
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

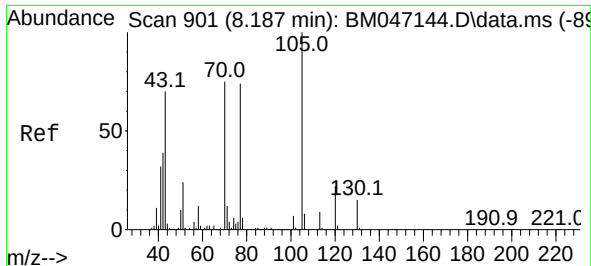
Tgt Ion:	107	Resp:	70742
Ion	Ratio	Lower	Upper
107	100		
108	116.4	90.6	135.8
77	52.0	39.3	58.9
79	49.3	38.6	58.0



#18
Hexachloroethane
Concen: 5.294 ng
RT: 8.428 min Scan# 942
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

Tgt Ion:	117	Resp:	38163
Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.0	115.4
201	102.4	81.3	121.9

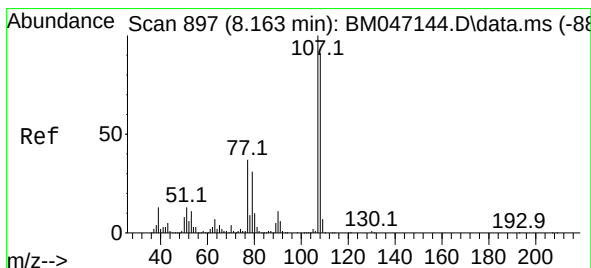
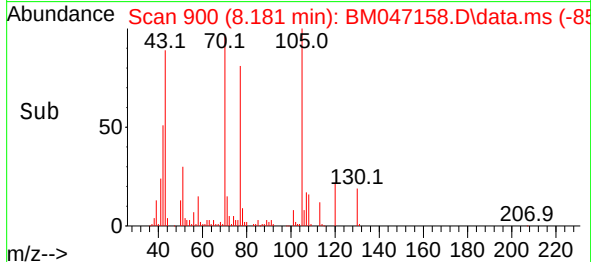
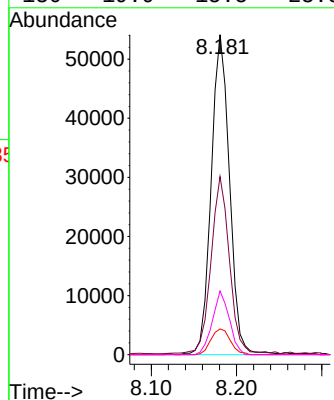
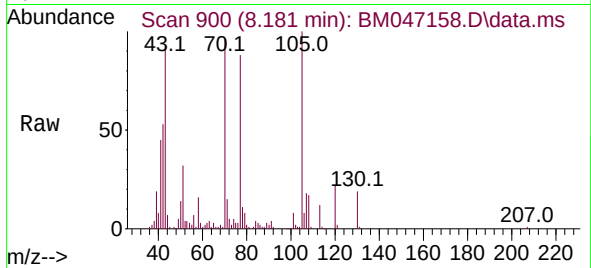




#19
n-Nitroso-di-n-propylamine
Concen: 6.140 ng
RT: 8.181 min Scan# 901
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

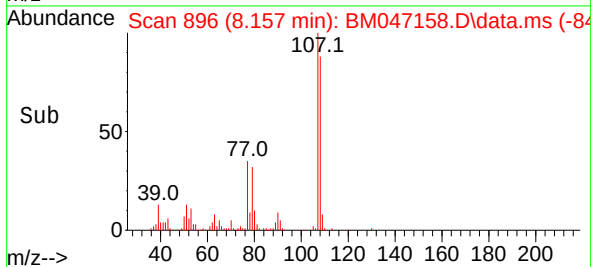
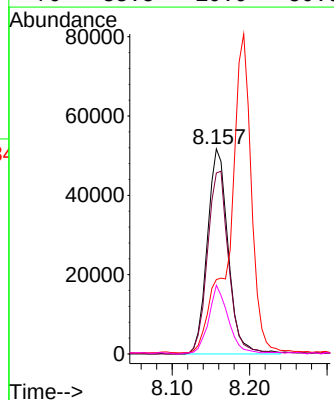
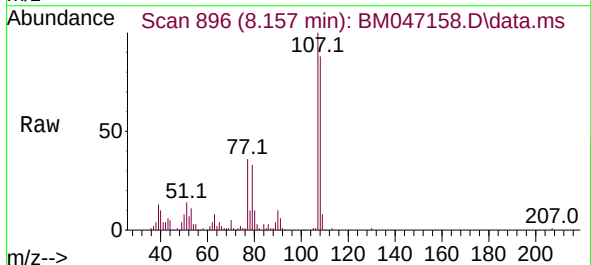
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

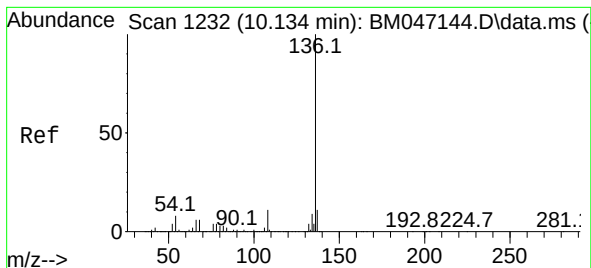
Tgt Ion:	70	Resp:	80821
Ion	Ratio	Lower	Upper
70	100		
42	55.7	42.0	63.0
101	8.0	7.2	10.8
130	19.9	15.5	23.3



#20
3+4-Methylphenols
Concen: 5.299 ng
RT: 8.157 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

Tgt Ion:	107	Resp:	96381
Ion	Ratio	Lower	Upper
107	100		
108	88.2	70.7	110.7
77	36.3	17.4	57.4
79	33.5	10.9	50.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.127 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:136 Resp: 1058733

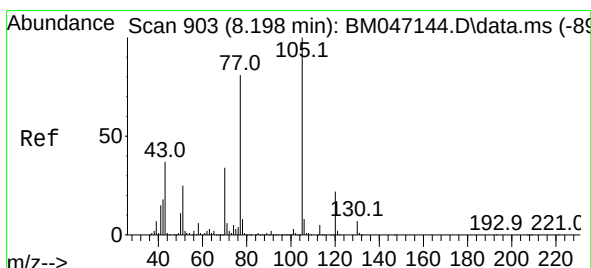
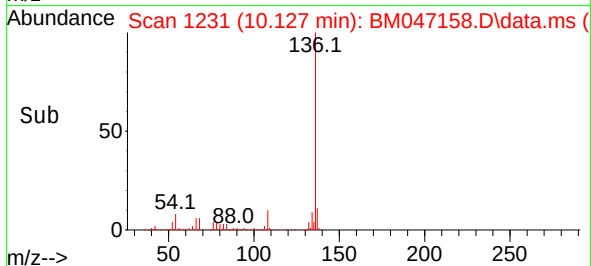
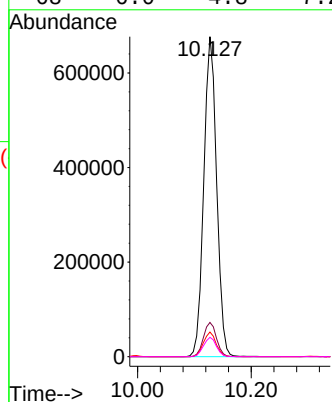
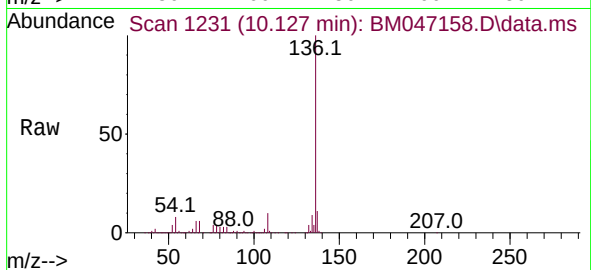
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 7.7 6.0 9.0

68 6.0 4.8 7.2



#22

Acetophenone

Concen: 5.996 ng

RT: 8.192 min Scan# 902

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Tgt Ion:105 Resp: 153243

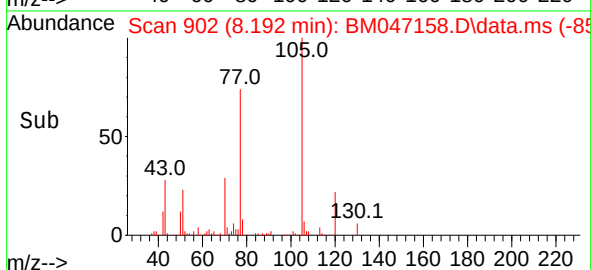
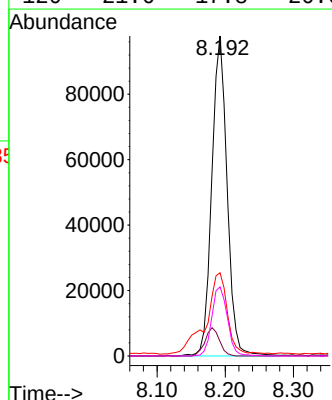
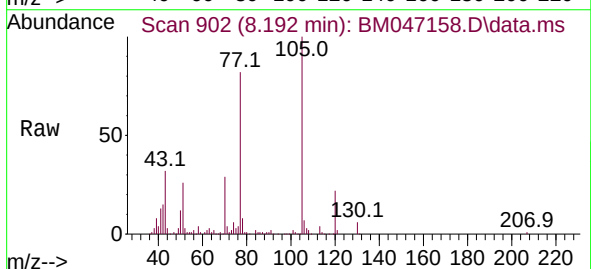
Ion Ratio Lower Upper

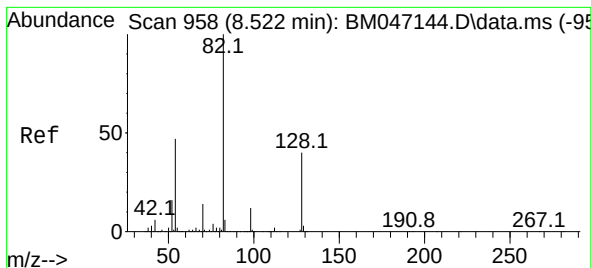
105 100

71 4.5 4.5 6.7

51 26.0 20.1 30.1

120 21.6 17.8 26.6





#23

Nitrobenzene-d5

Concen: 86.083 ng

RT: 8.522 min Scan# 958

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

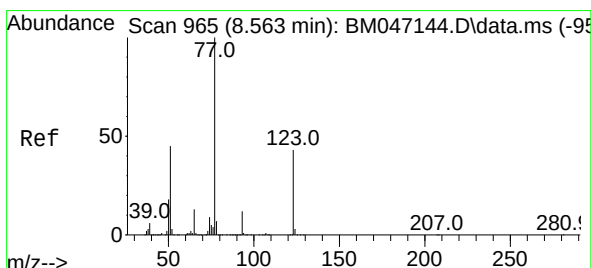
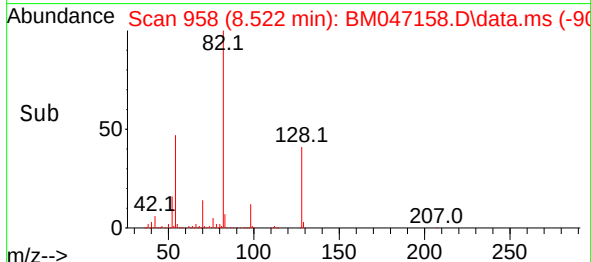
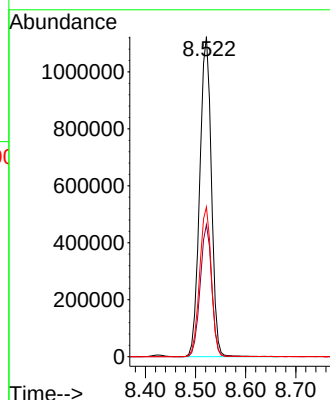
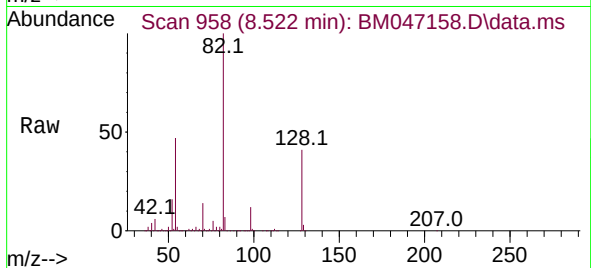
BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion: 82 Resp: 1809987

Ion	Ratio	Lower	Upper
82	100		
128	41.2	32.3	48.5
54	46.8	37.4	56.2



#24

Nitrobenzene

Concen: 5.668 ng

RT: 8.563 min Scan# 965

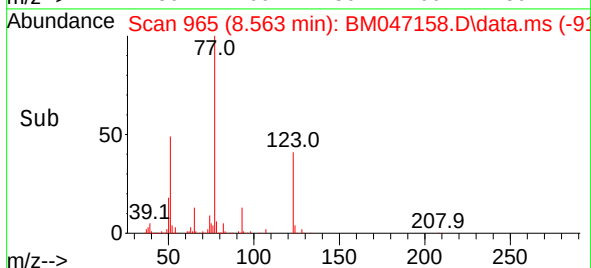
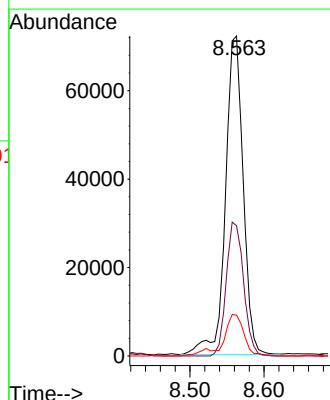
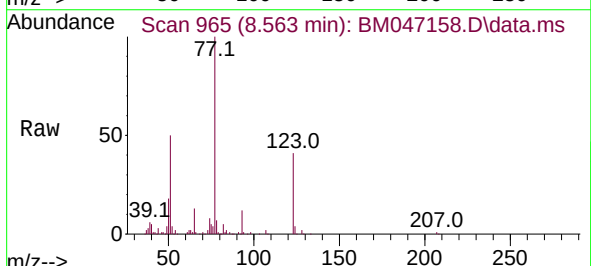
Delta R.T. -0.000 min

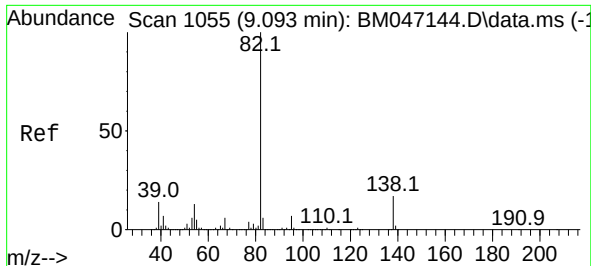
Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Tgt Ion: 77 Resp: 120012

Ion	Ratio	Lower	Upper
77	100		
123	40.7	34.0	51.0
65	12.8	10.5	15.7

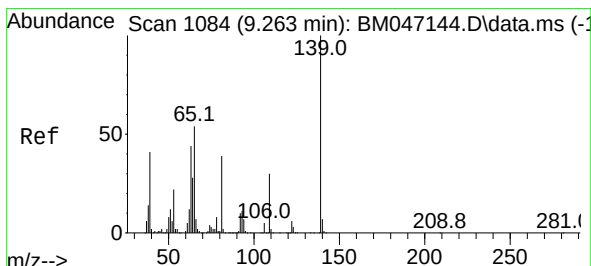
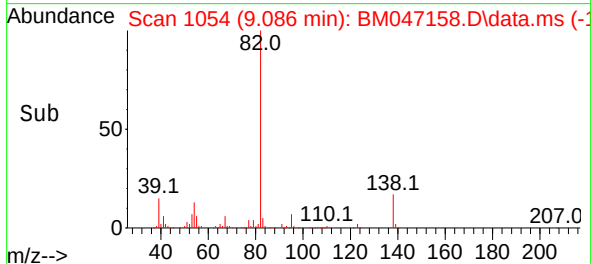
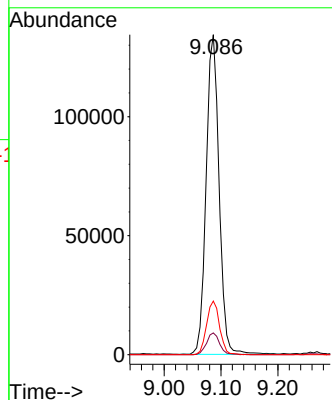
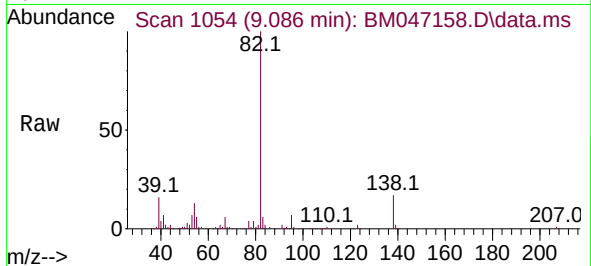




#25
Isophorone
Concen: 5.773 ng
RT: 9.086 min Scan# 1054
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

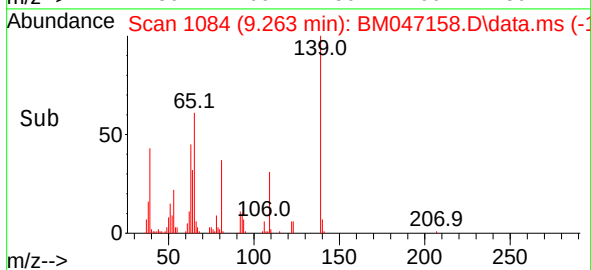
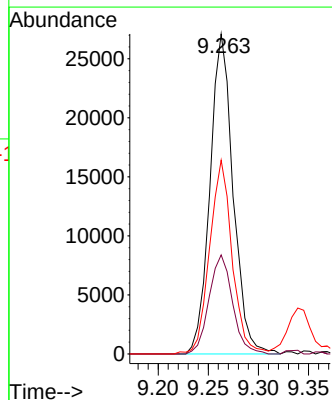
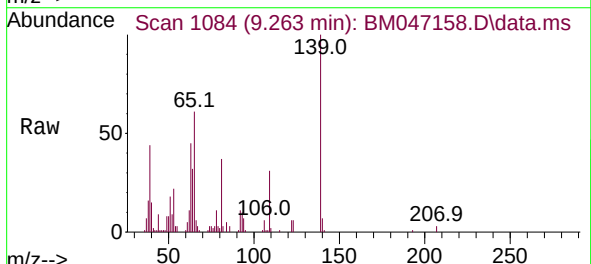
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

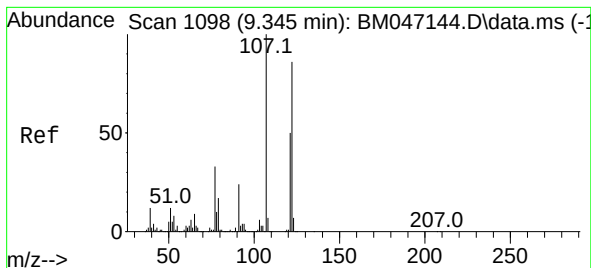
Tgt Ion: 82 Resp: 211358
Ion Ratio Lower Upper
82 100
95 6.8 5.5 8.3
138 16.7 13.5 20.3



#26
2-Nitrophenol
Concen: 4.641 ng
RT: 9.263 min Scan# 1084
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

Tgt Ion:139 Resp: 43513
Ion Ratio Lower Upper
139 100
109 30.9 24.4 36.6
65 60.5 43.0 64.6





#27

2,4-Dimethylphenol

Concen: 4.770 ng

RT: 9.339 min Scan# 1097

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

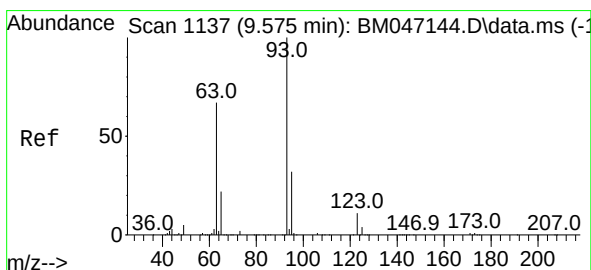
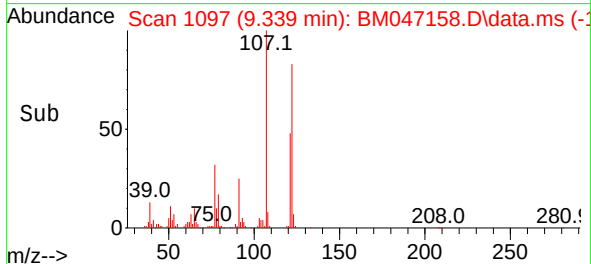
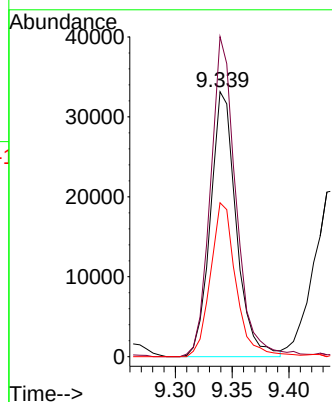
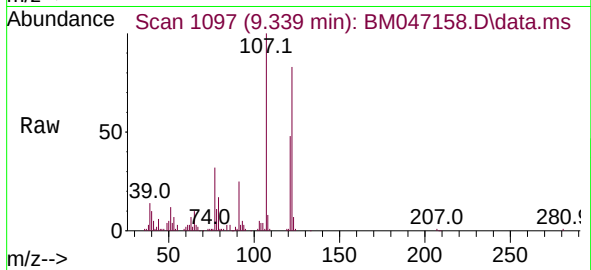
Tgt Ion:122 Resp: 52392

Ion Ratio Lower Upper

122 100

107 120.8 92.8 139.2

121 58.1 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 5.770 ng

RT: 9.575 min Scan# 1137

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

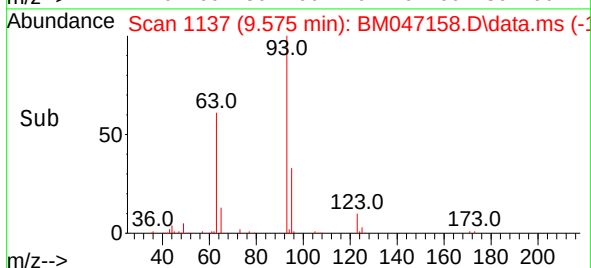
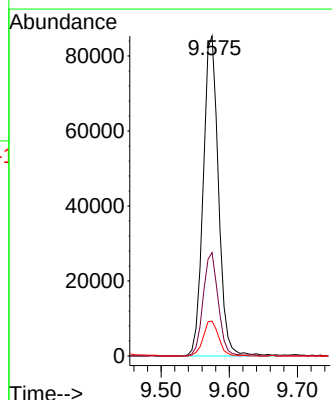
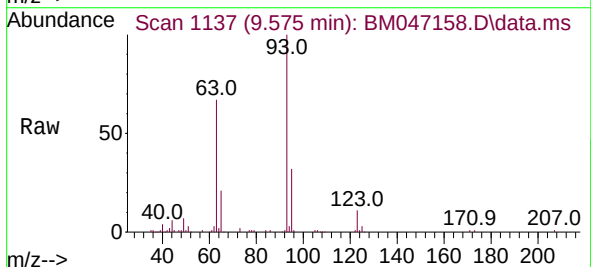
Tgt Ion: 93 Resp: 132918

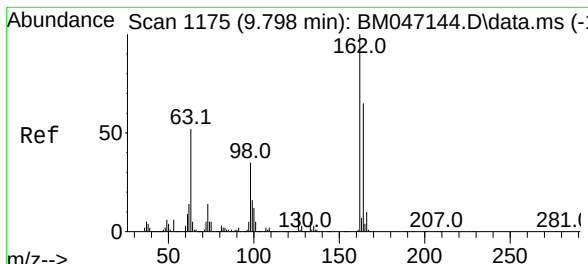
Ion Ratio Lower Upper

93 100

95 32.3 25.8 38.8

123 10.9 9.0 13.4

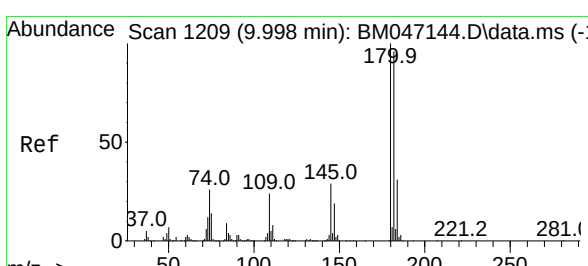
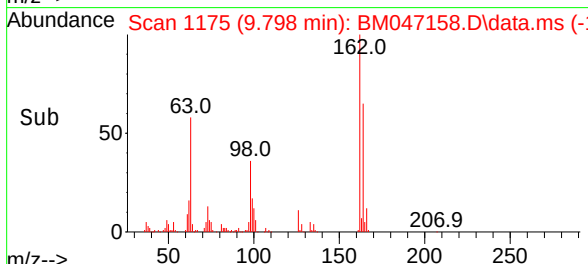
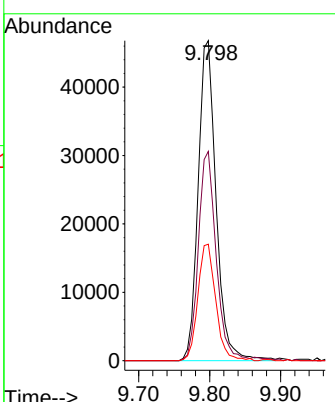
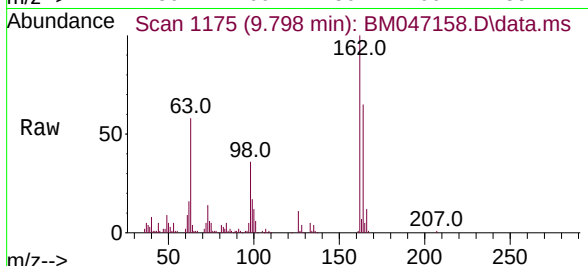




#29
 2,4-Dichlorophenol
 Concen: 5.057 ng
 RT: 9.798 min Scan# 1175
 Delta R.T. -0.000 min
 Lab File: BM047158.D
 Acq: 12 Aug 2024 16:39

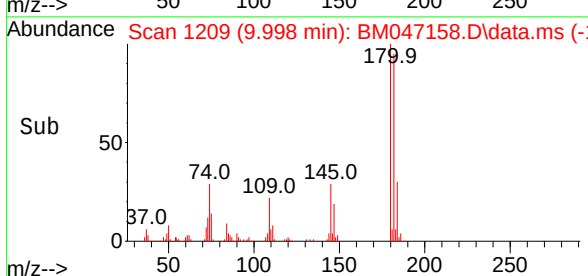
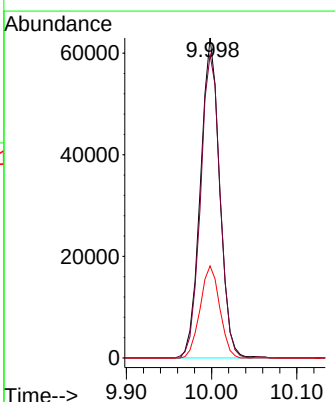
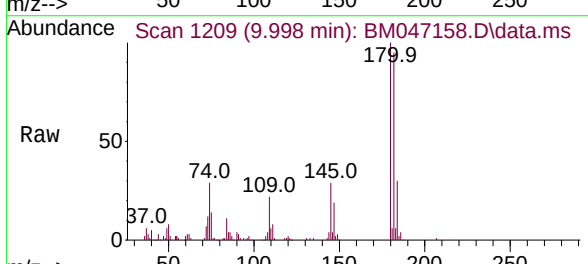
Instrument : BNA_M
 ClientSampleId : LOQ-SOIL-02-QT3-2024

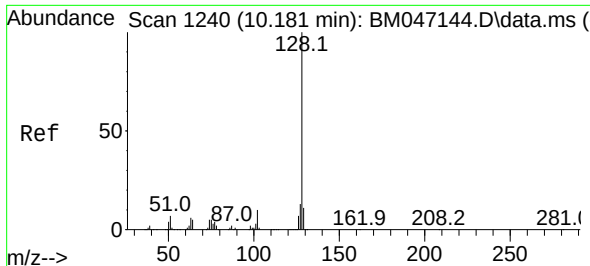
Tgt Ion:	162	Resp:	82421
Ion Ratio	Lower	Upper	
162	100		
164	65.4	44.7	84.7
98	36.4	14.9	54.9



#30
 1,2,4-Trichlorobenzene
 Concen: 5.344 ng
 RT: 9.998 min Scan# 1209
 Delta R.T. -0.000 min
 Lab File: BM047158.D
 Acq: 12 Aug 2024 16:39

Tgt Ion:	180	Resp:	98561
Ion Ratio	Lower	Upper	
180	100		
182	94.8	76.6	115.0
145	28.7	23.4	35.2

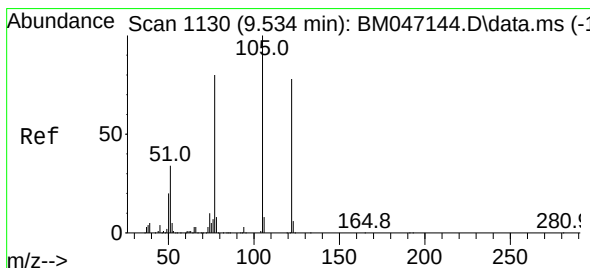
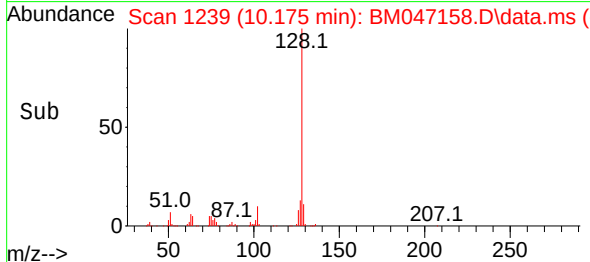
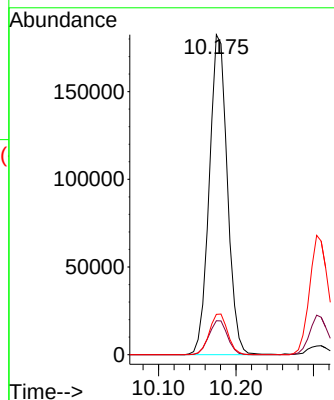
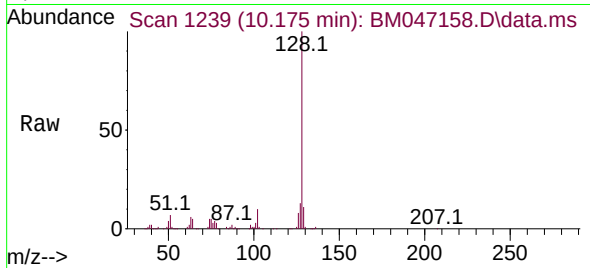




#31
Naphthalene
Concen: 5.611 ng
RT: 10.175 min Scan# 1114
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

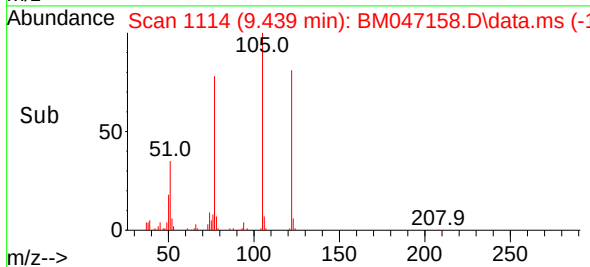
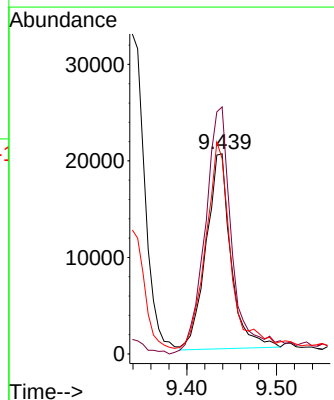
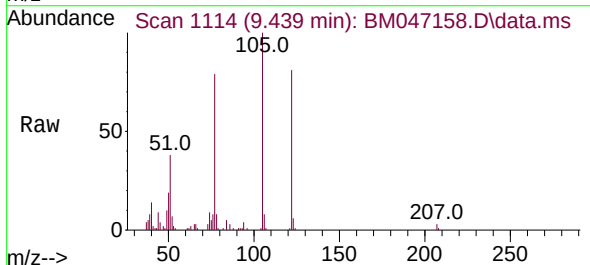
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

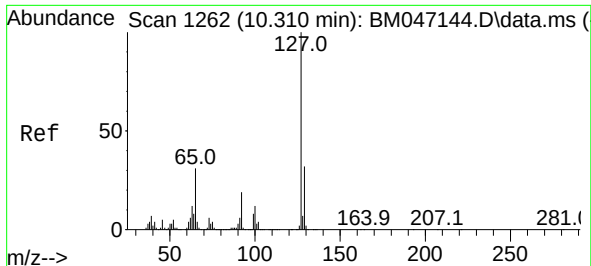
Tgt Ion:128 Resp: 295962
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 12.6 10.2 15.4



#32
Benzoic acid
Concen: 3.042 ng
RT: 9.439 min Scan# 1114
Delta R.T. -0.094 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

Tgt Ion:122 Resp: 38813
Ion Ratio Lower Upper
122 100
105 123.4 107.1 147.1
77 97.7 82.1 122.1





#33

4-Chloroaniline

Concen: 5.915 ng

RT: 10.304 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:127 Resp: 119973

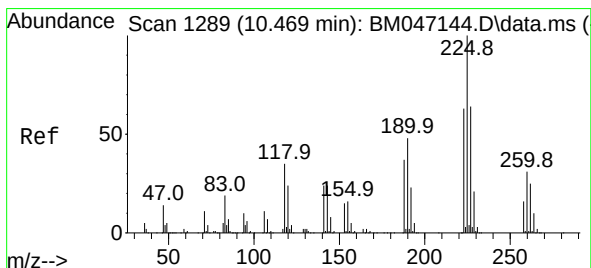
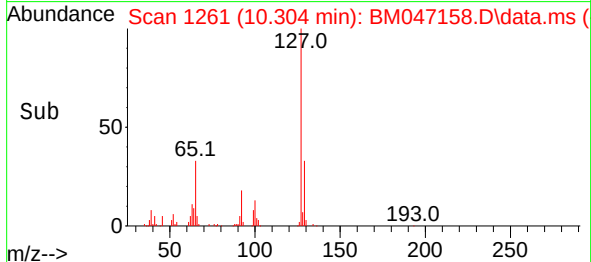
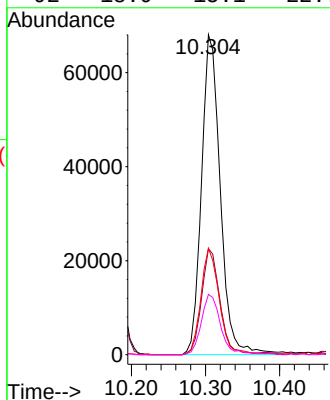
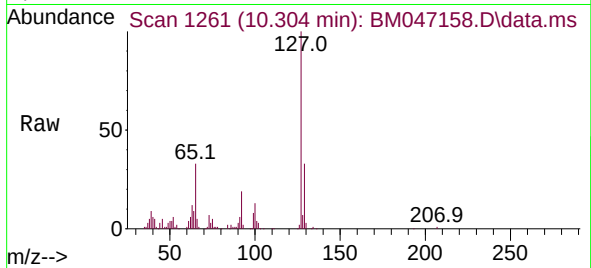
Ion Ratio Lower Upper

127 100

129 33.2 25.8 38.8

65 33.3 24.9 37.3

92 18.9 15.1 22.7



#34

Hexachlorobutadiene

Concen: 4.861 ng

RT: 10.463 min Scan# 1288

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

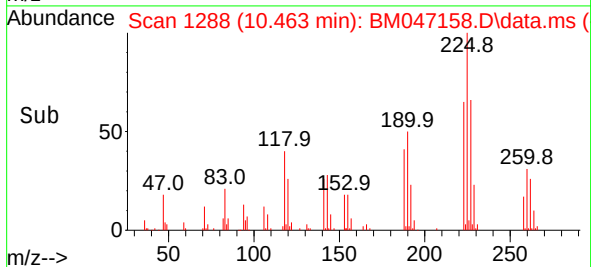
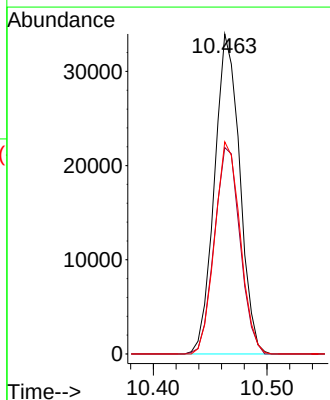
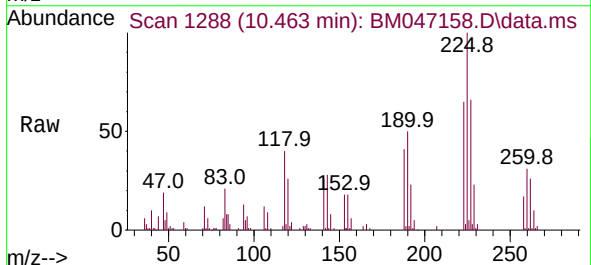
Tgt Ion:225 Resp: 52471

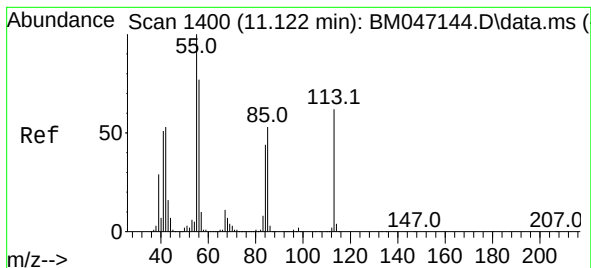
Ion Ratio Lower Upper

225 100

223 64.5 50.2 75.2

227 66.3 51.4 77.0





#35

Caprolactam

Concen: 5.338 ng

RT: 11.086 min Scan# 1400

Delta R.T. -0.036 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

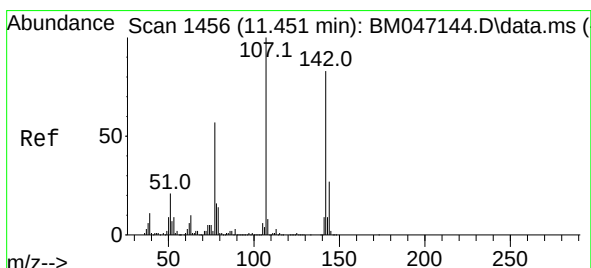
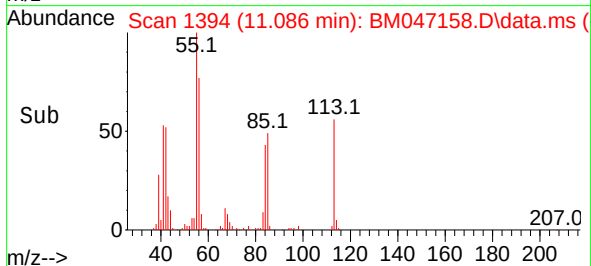
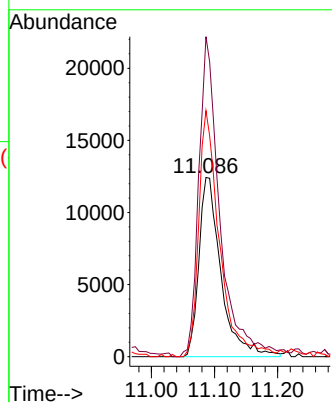
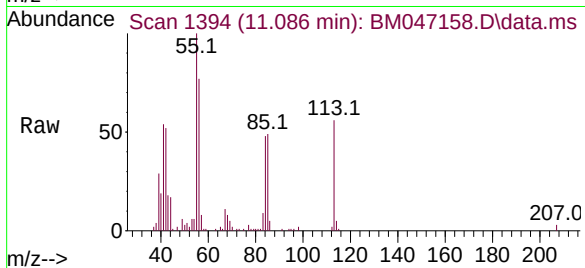
Tgt Ion:113 Resp: 30209

Ion Ratio Lower Upper

113 100

55 178.6 140.5 180.5

56 137.3 103.6 143.6



#36

4-Chloro-3-methylphenol

Concen: 5.210 ng

RT: 11.445 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

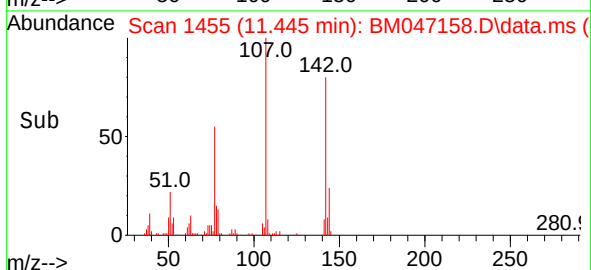
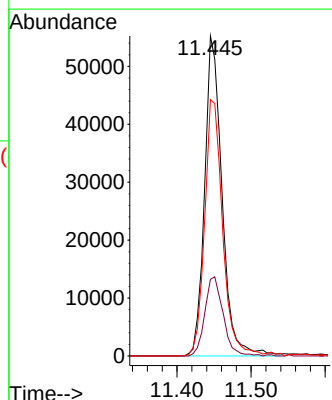
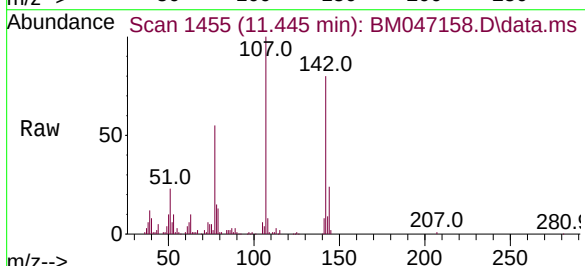
Tgt Ion:107 Resp: 90423

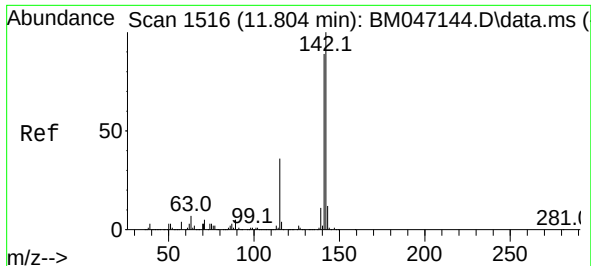
Ion Ratio Lower Upper

107 100

144 24.0 21.8 32.6

142 80.1 66.8 100.2





#37

2-Methylnaphthalene

Concen: 5.556 ng

RT: 11.804 min Scan# 1516

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

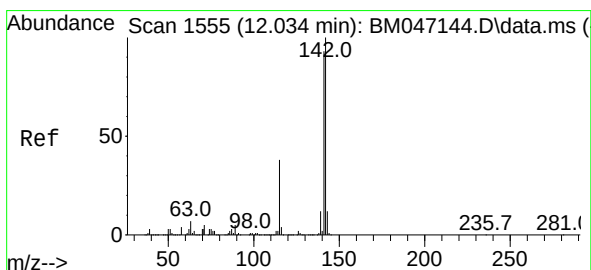
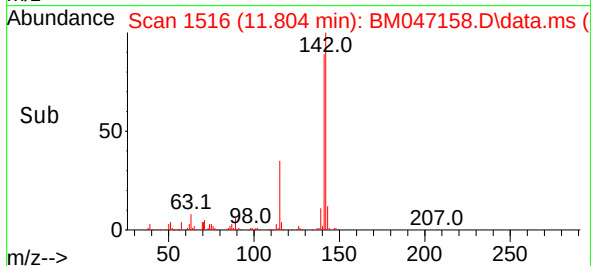
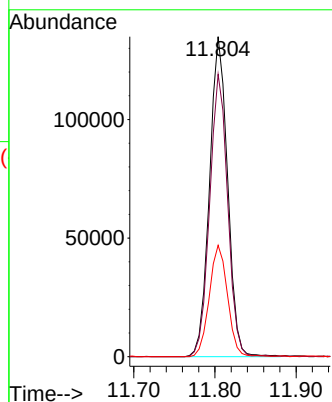
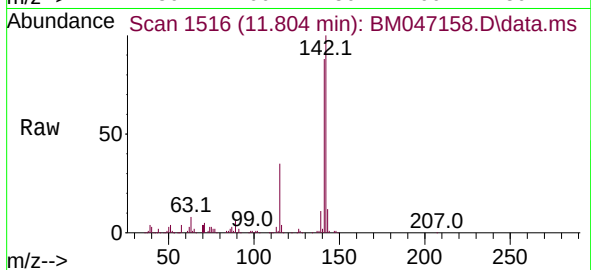
Tgt Ion:142 Resp: 208647

Ion Ratio Lower Upper

142 100

141 88.2 70.9 106.3

115 34.8 28.7 43.1



#38

1-Methylnaphthalene

Concen: 5.487 ng

RT: 12.027 min Scan# 1554

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

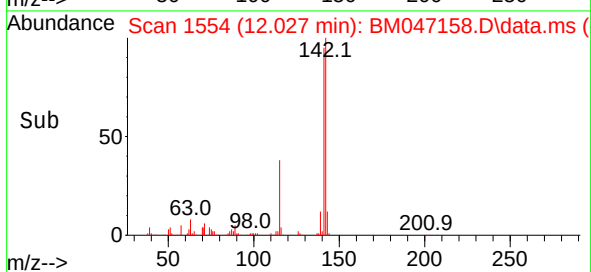
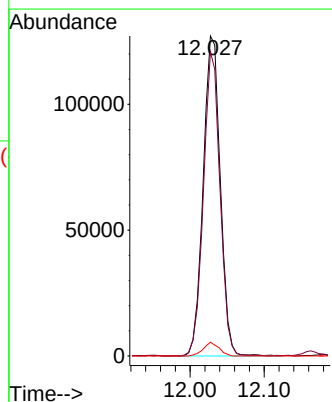
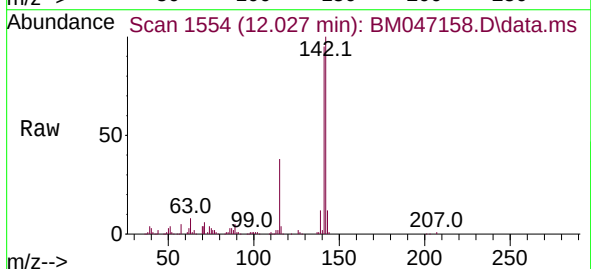
Tgt Ion:142 Resp: 203657

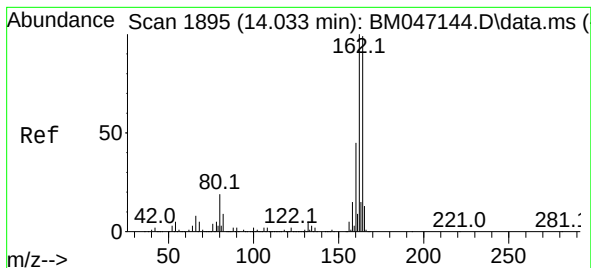
Ion Ratio Lower Upper

142 100

141 95.0 74.6 111.8

116 4.3 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.027 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

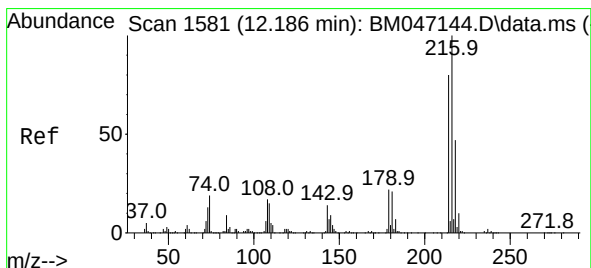
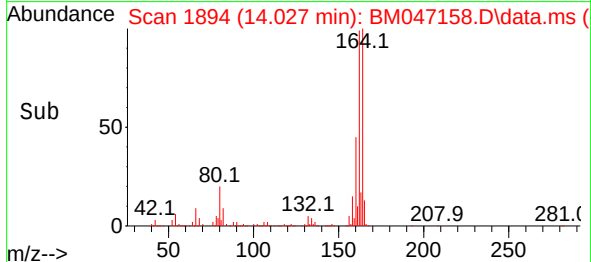
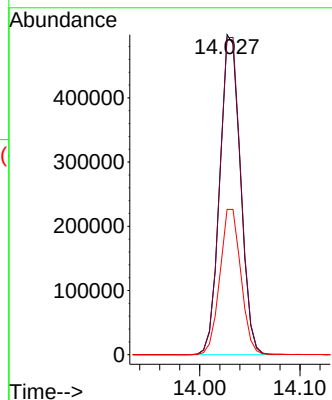
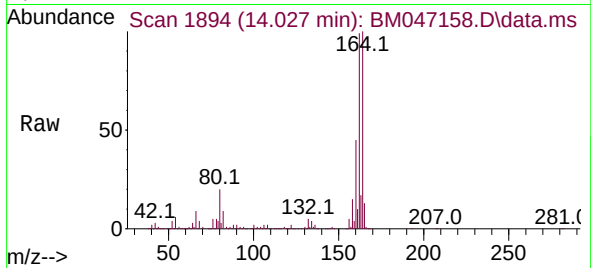
Tgt Ion:164 Resp: 711313

Ion Ratio Lower Upper

164 100

162 99.1 80.7 121.1

160 45.4 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.387 ng

RT: 12.186 min Scan# 1581

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Tgt Ion:216 Resp: 104507

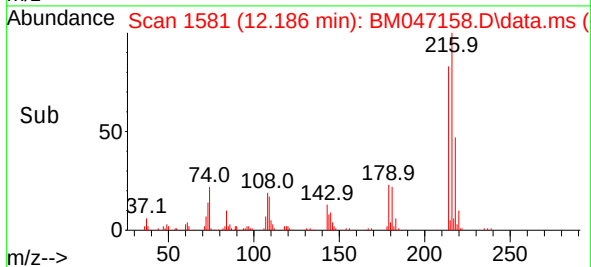
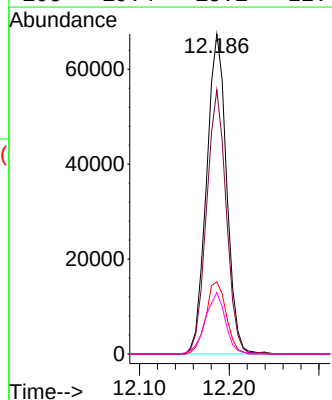
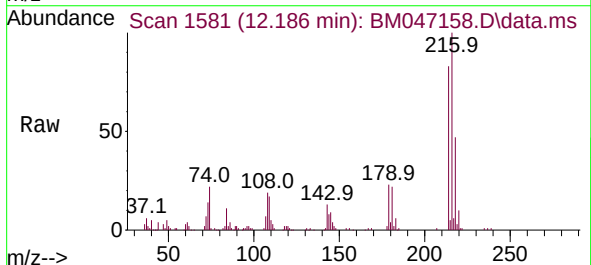
Ion Ratio Lower Upper

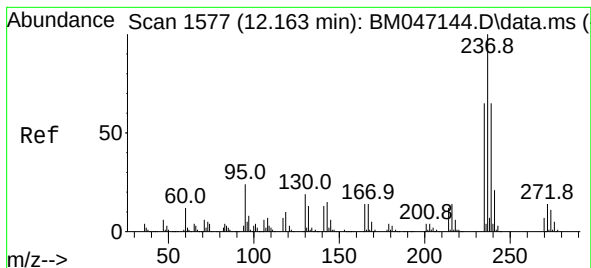
216 100

214 81.1 63.4 95.2

179 22.9 17.6 26.4

108 19.4 15.1 22.7





#41

Hexachlorocyclopentadiene

Concen: 2.624 ng

RT: 12.163 min Scan# 1577

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

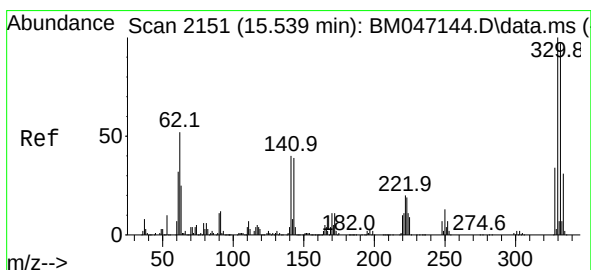
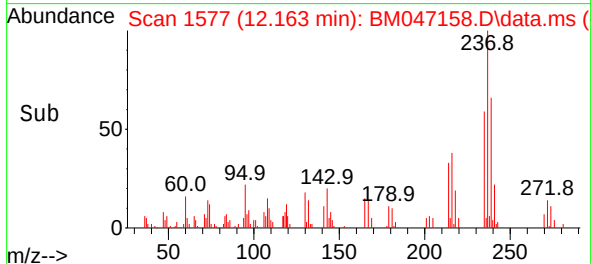
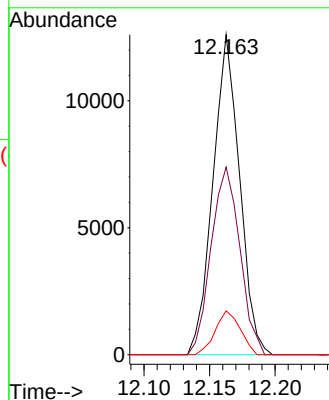
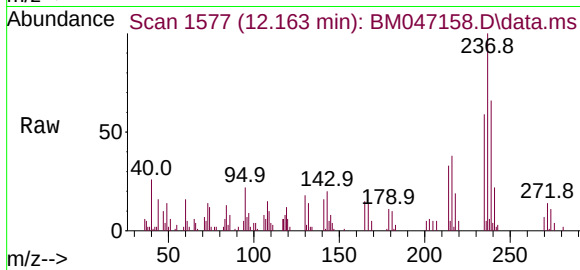
Tgt Ion:237 Resp: 17774

Ion Ratio Lower Upper

237 100

235 58.6 44.8 84.8

272 13.7 0.0 33.5



#42

2,4,6-Tribromophenol

Concen: 109.510 ng

RT: 15.539 min Scan# 2151

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

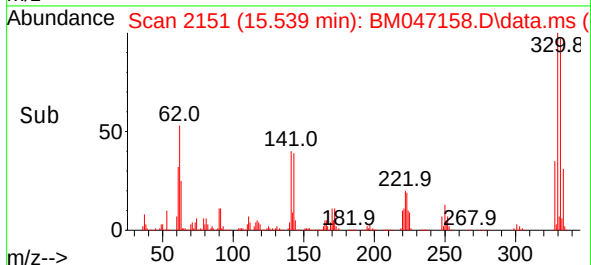
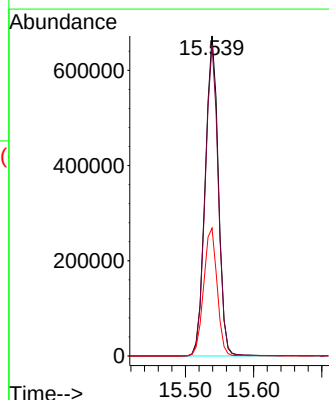
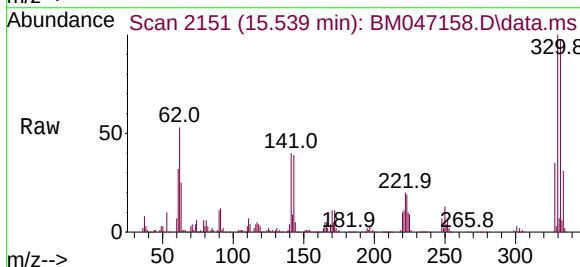
Tgt Ion:330 Resp: 903214

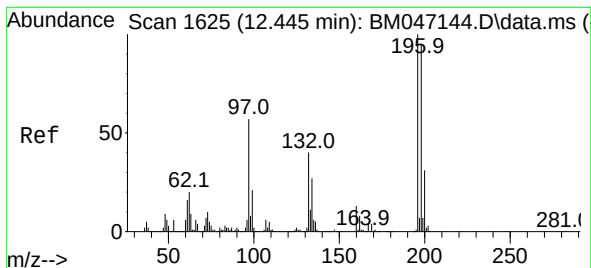
Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.2

141 40.9 31.6 47.4





#43

2,4,6-Trichlorophenol

Concen: 4.928 ng

RT: 12.445 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

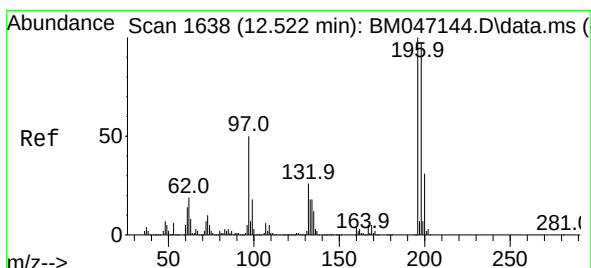
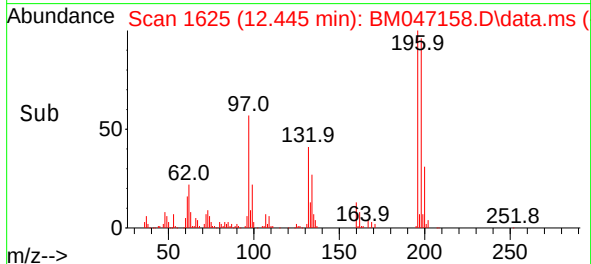
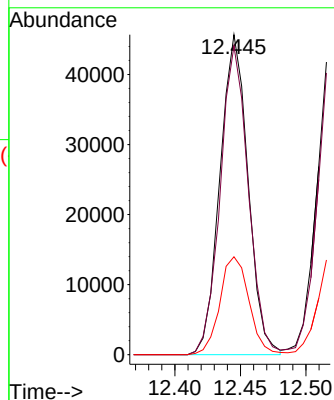
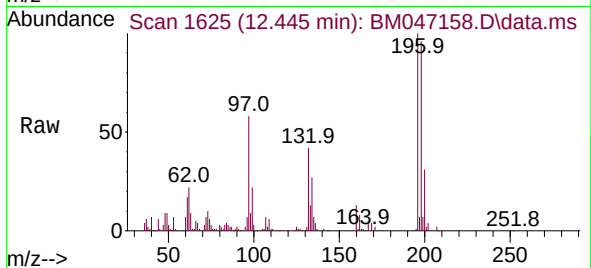
Tgt Ion:196 Resp: 67962

Ion Ratio Lower Upper

196 100

198 96.4 75.6 113.4

200 30.6 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 4.998 ng

RT: 12.521 min Scan# 1638

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Tgt Ion:196 Resp: 76530

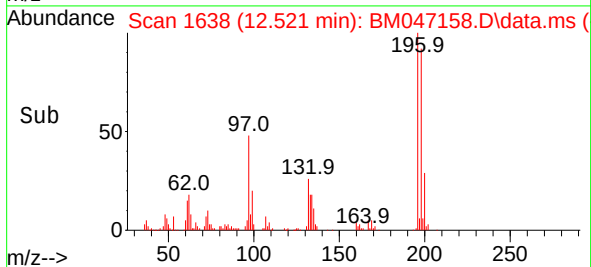
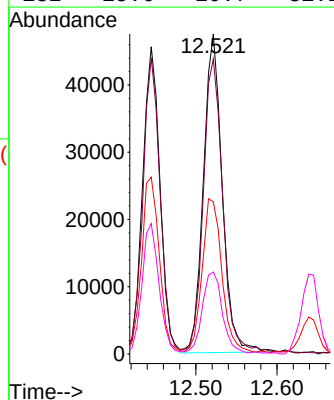
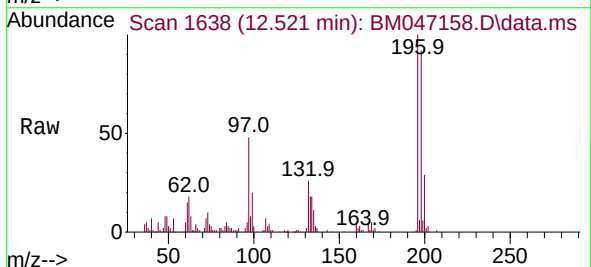
Ion Ratio Lower Upper

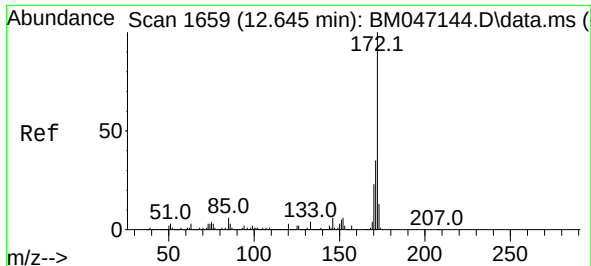
196 100

198 92.1 77.7 116.5

97 47.5 39.8 59.8

132 25.6 20.7 31.1





#45

2-Fluorobiphenyl

Concen: 85.903 ng

RT: 12.639 min Scan# 1658

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

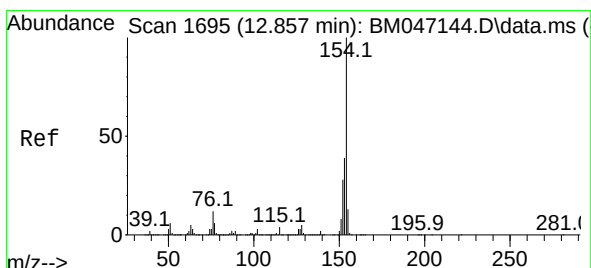
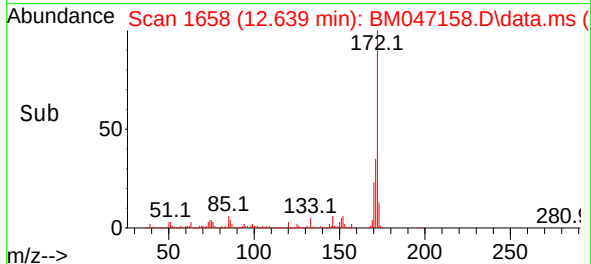
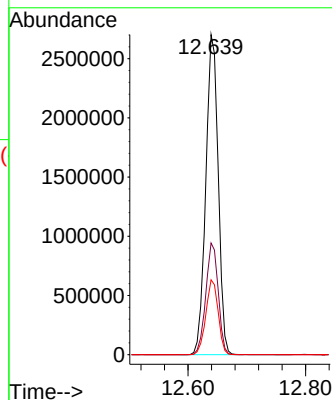
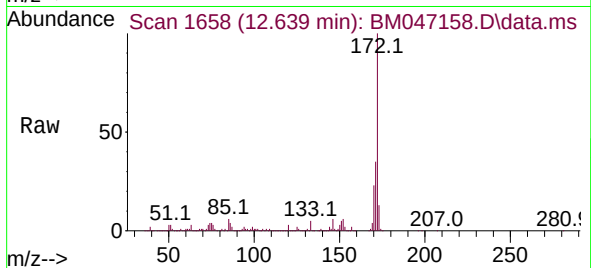
Tgt Ion:172 Resp: 3961267

Ion Ratio Lower Upper

172 100

171 34.9 27.8 41.6

170 23.4 18.7 28.1



#46

1,1'-Biphenyl

Concen: 5.749 ng

RT: 12.851 min Scan# 1694

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

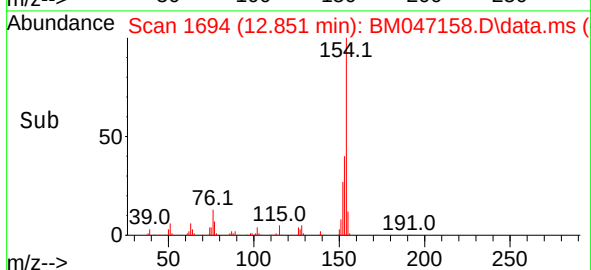
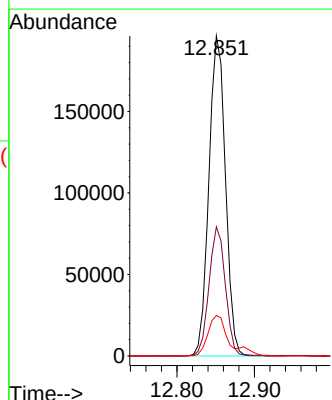
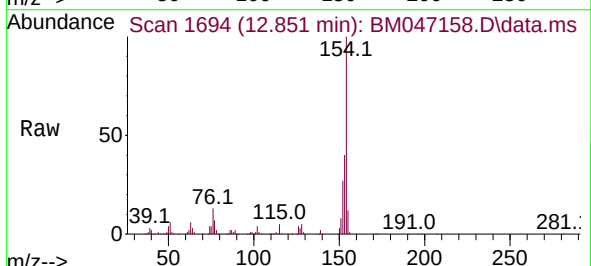
Tgt Ion:154 Resp: 291151

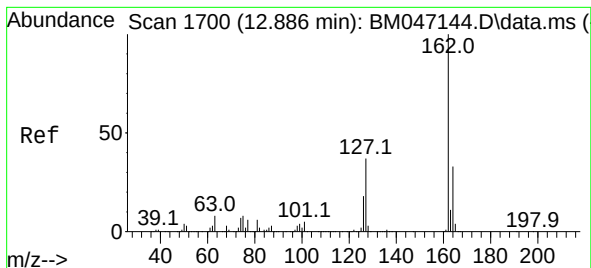
Ion Ratio Lower Upper

154 100

153 40.3 19.0 59.0

76 12.7 0.0 31.9





#47

2-Chloronaphthalene

Concen: 5.688 ng

RT: 12.886 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

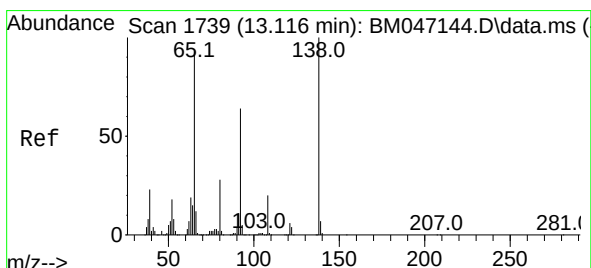
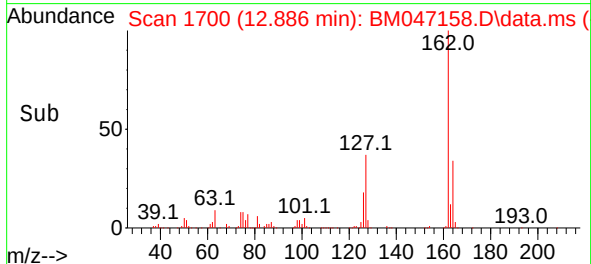
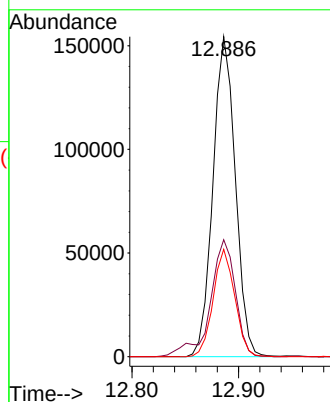
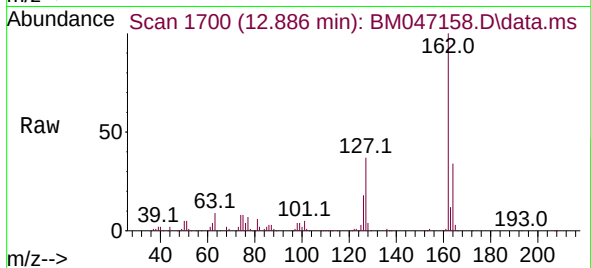
Tgt Ion:162 Resp: 225137

Ion Ratio Lower Upper

162 100

127 36.6 30.0 45.0

164 33.6 26.3 39.5



#48

2-Nitroaniline

Concen: 5.195 ng

RT: 13.110 min Scan# 1738

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

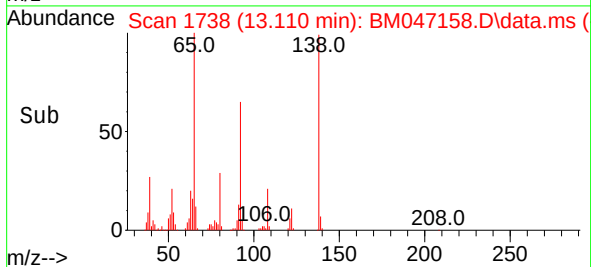
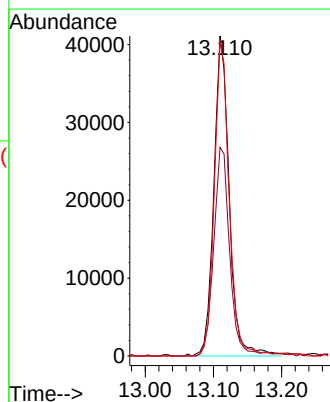
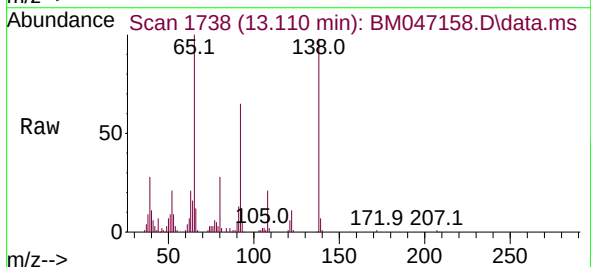
Tgt Ion: 65 Resp: 64418

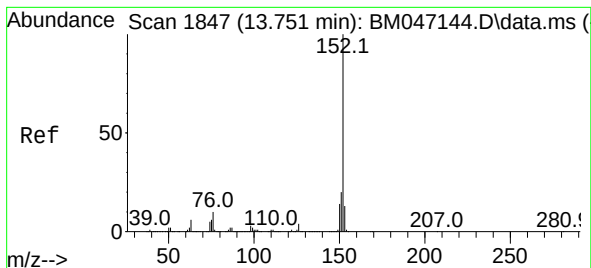
Ion Ratio Lower Upper

65 100

92 65.2 55.1 82.7

138 98.2 85.9 128.9





#49

Acenaphthylene

Concen: 6.264 ng

RT: 13.745 min Scan# 1846

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

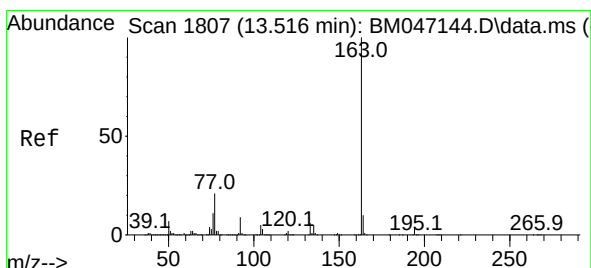
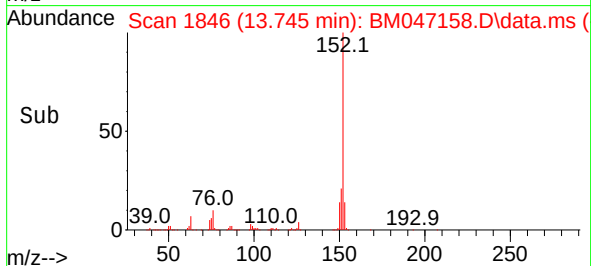
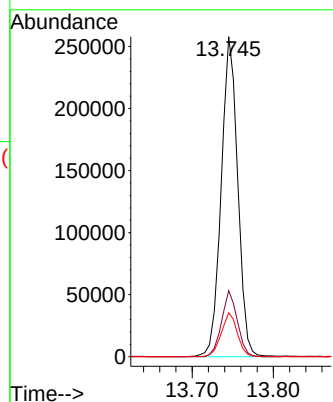
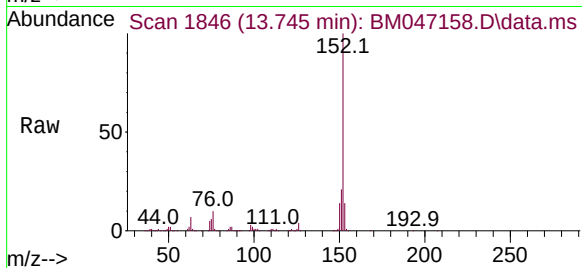
Tgt Ion:152 Resp: 365444

Ion Ratio Lower Upper

152 100

151 20.6 15.8 23.6

153 13.7 10.4 15.6



#50

Dimethylphthalate

Concen: 5.935 ng

RT: 13.504 min Scan# 1805

Delta R.T. -0.012 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

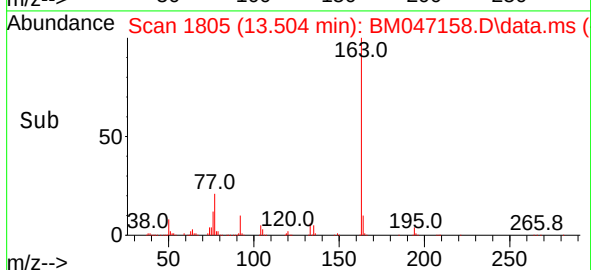
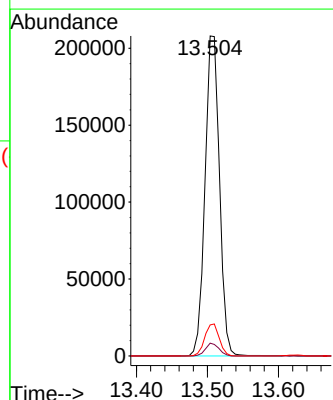
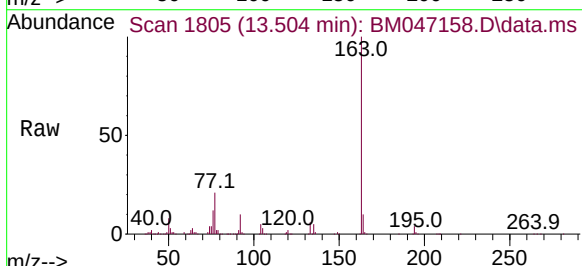
Tgt Ion:163 Resp: 294822

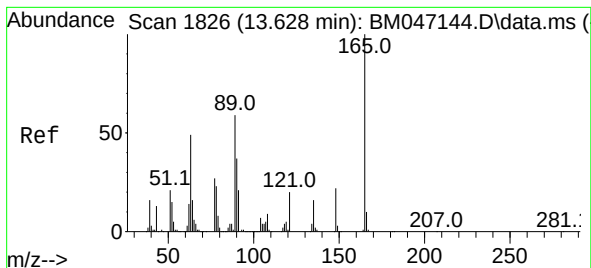
Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.6

164 9.7 8.0 12.0

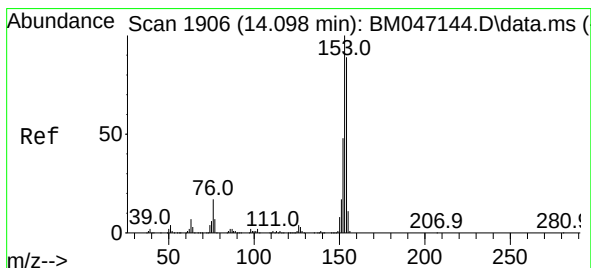
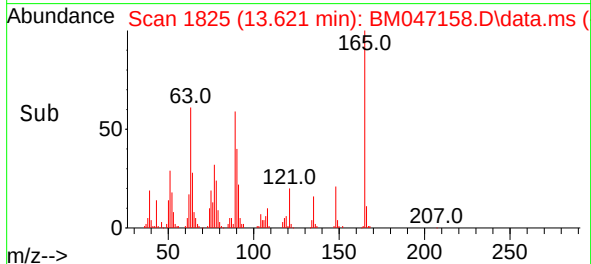
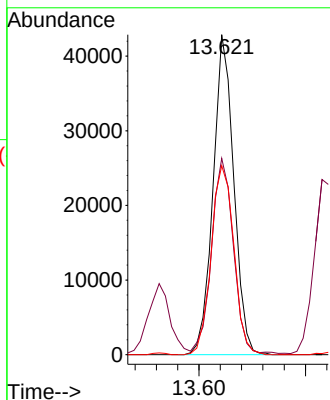
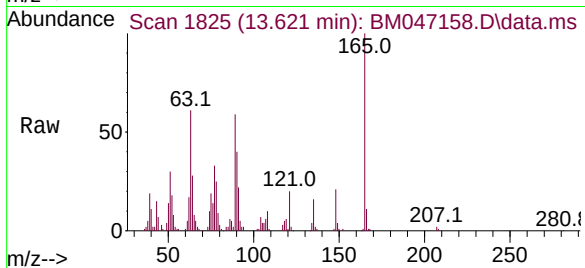




#51
2,6-Dinitrotoluene
Concen: 4.969 ng
RT: 13.621 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

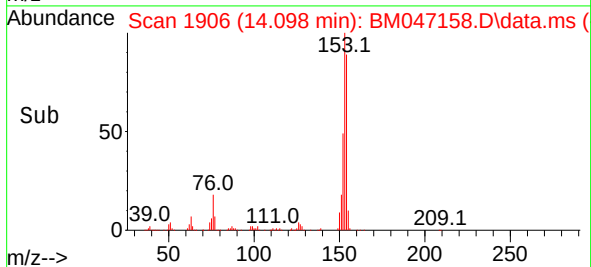
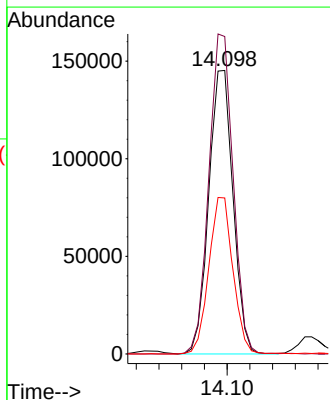
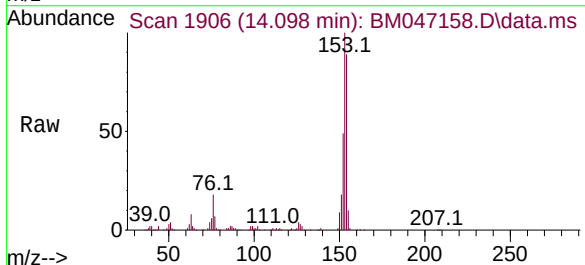
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

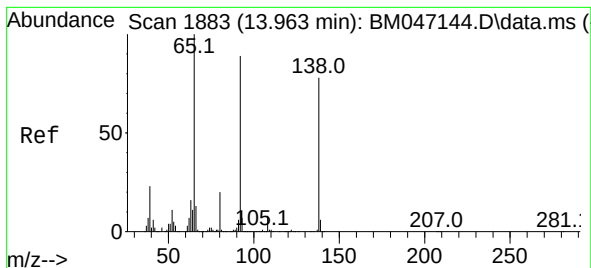
Tgt Ion:165 Resp: 57707
Ion Ratio Lower Upper
165 100
63 61.3 46.5 69.7
89 59.1 47.3 70.9



#52
Acenaphthene
Concen: 5.834 ng
RT: 14.098 min Scan# 1906
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

Tgt Ion:154 Resp: 215901
Ion Ratio Lower Upper
154 100
153 111.9 90.3 135.5
152 55.0 42.9 64.3

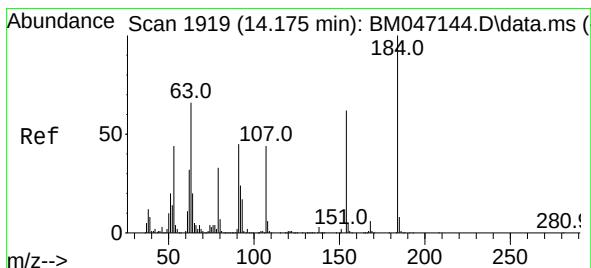
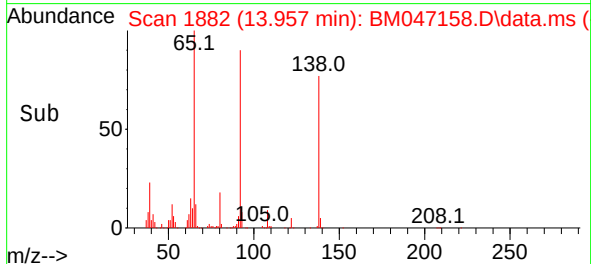
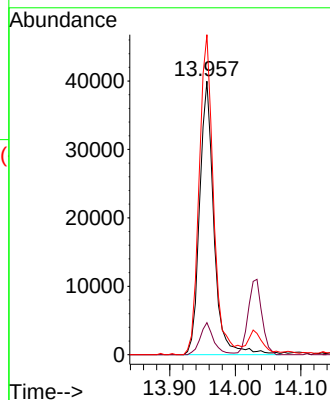
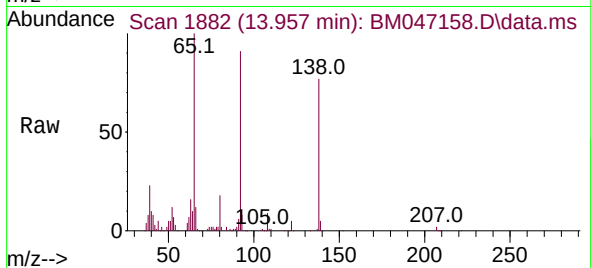




#53
3-Nitroaniline
Concen: 5.235 ng
RT: 13.957 min Scan# 1882
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

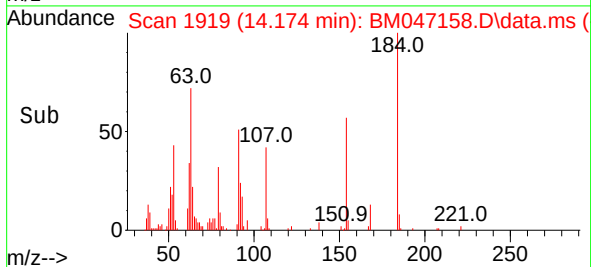
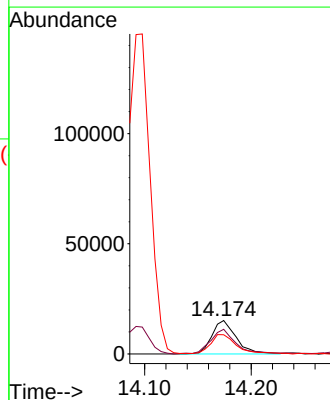
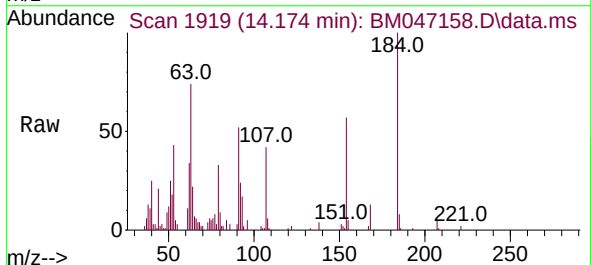
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

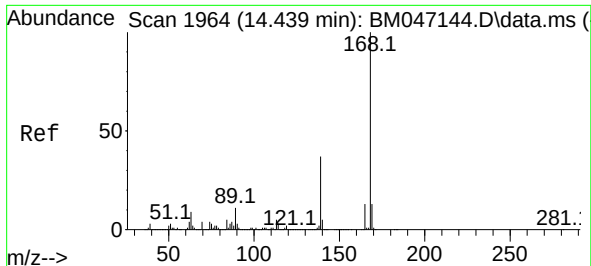
Tgt Ion:138 Resp: 60920
Ion Ratio Lower Upper
138 100
108 11.7 7.9 11.9
92 117.0 92.0 138.0



#54
2,4-Dinitrophenol
Concen: 3.427 ng
RT: 14.174 min Scan# 1919
Delta R.T. -0.001 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

Tgt Ion:184 Resp: 23851
Ion Ratio Lower Upper
184 100
63 73.6 52.7 79.1
154 57.5 50.4 75.6

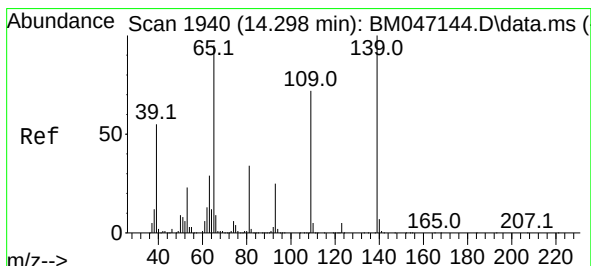
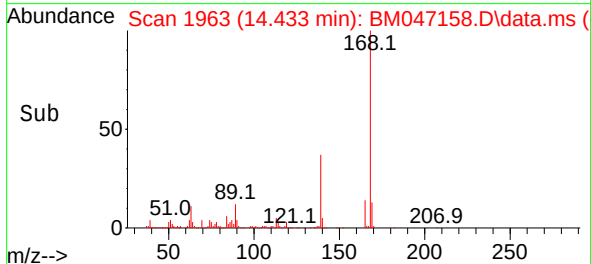
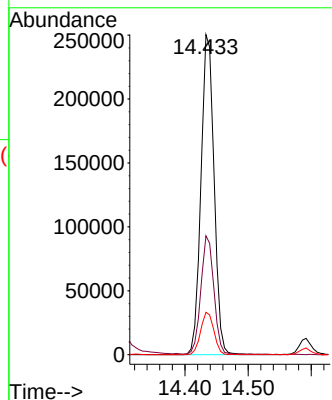
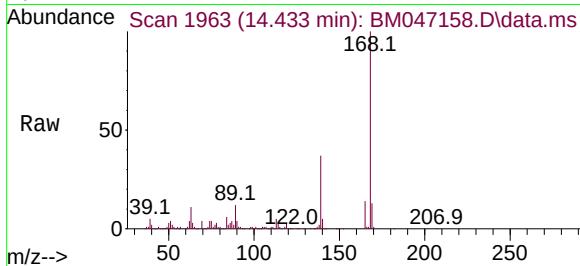




#55
Dibenzenofuran
Concen: 6.168 ng
RT: 14.433 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

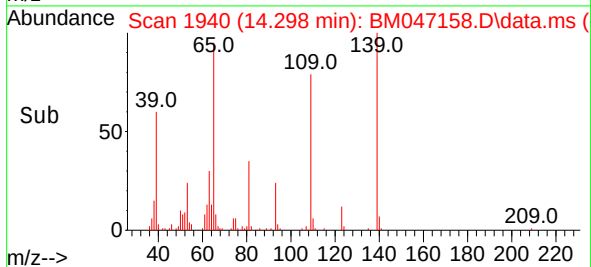
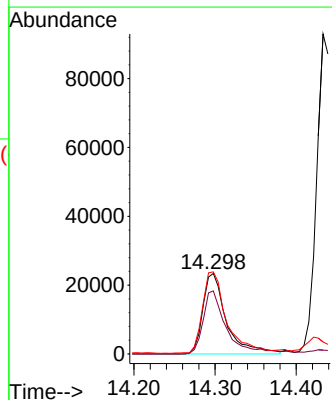
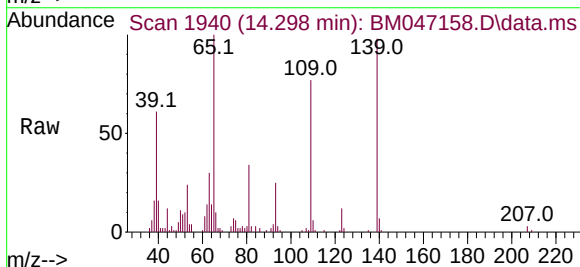
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

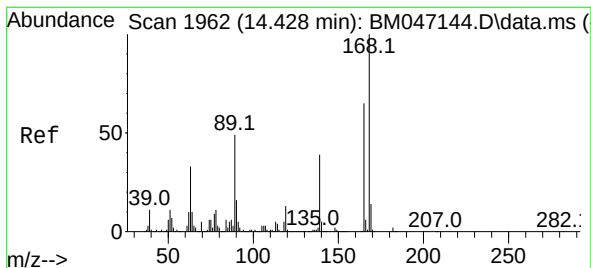
Tgt Ion:168 Resp: 360558
Ion Ratio Lower Upper
168 100
139 37.1 29.6 44.4
169 13.2 10.7 16.1



#56
4-Nitrophenol
Concen: 4.696 ng
RT: 14.298 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

Tgt Ion:139 Resp: 47118
Ion Ratio Lower Upper
139 100
109 78.3 52.5 92.5
65 102.0 75.4 115.4

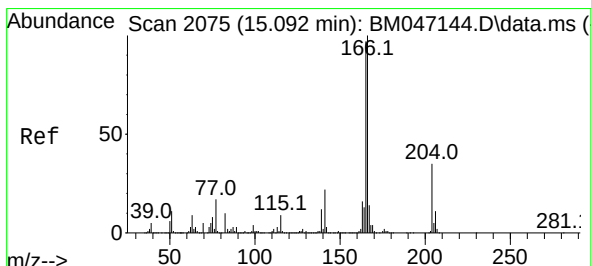
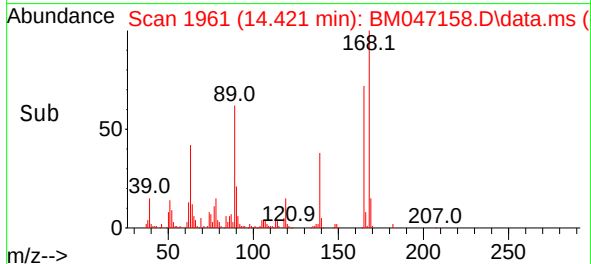
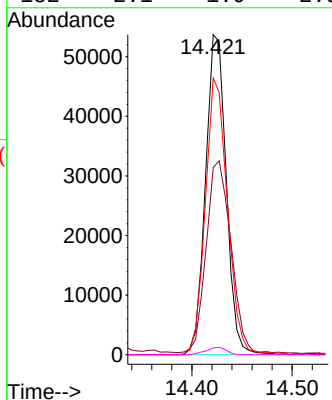
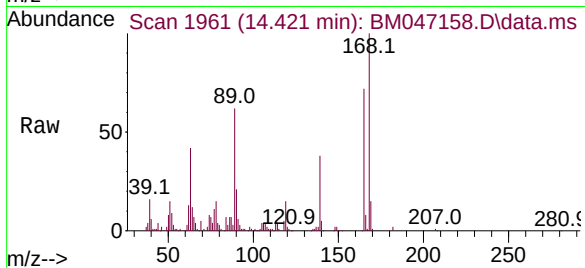




#57
2,4-Dinitrotoluene
Concen: 4.978 ng
RT: 14.421 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

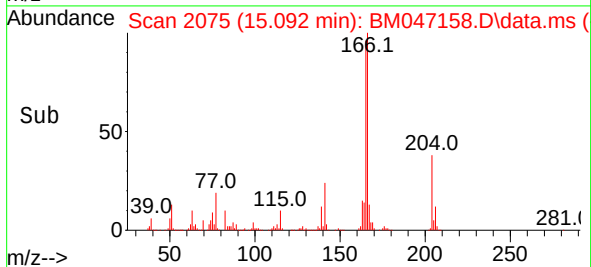
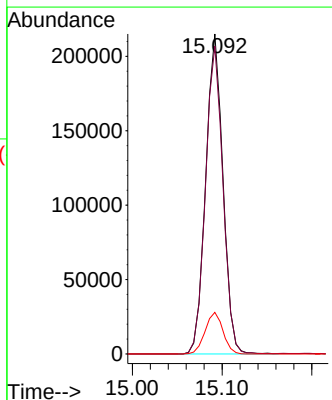
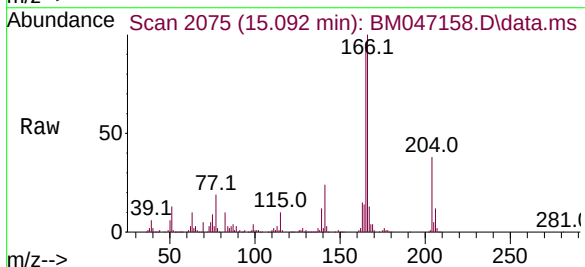
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

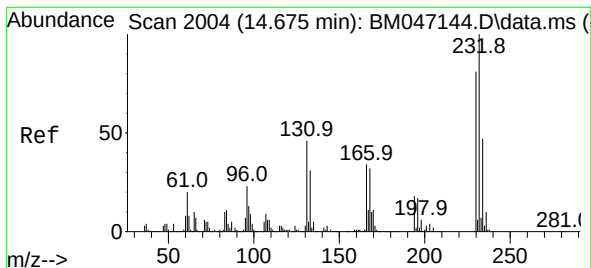
Tgt Ion:	165	Resp:	77166
Ion	Ratio	Lower	Upper
165	100		
63	58.5	40.3	60.5
89	86.5	61.0	91.6
182	2.1	1.9	2.9



#58
Fluorene
Concen: 5.950 ng
RT: 15.092 min Scan# 2075
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

Tgt Ion:	166	Resp:	287003
Ion	Ratio	Lower	Upper
166	100		
165	96.2	77.4	116.0
167	13.0	11.0	16.6





#59

2,3,4,6-Tetrachlorophenol

Concen: 5.522 ng

RT: 14.674 min Scan# 2004

Delta R.T. -0.000 min

Lab File: BM047158.D

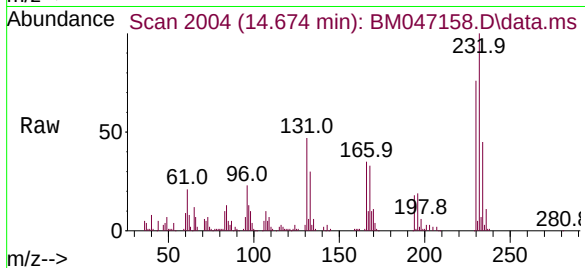
Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024



Tgt Ion:232 Resp: 69490

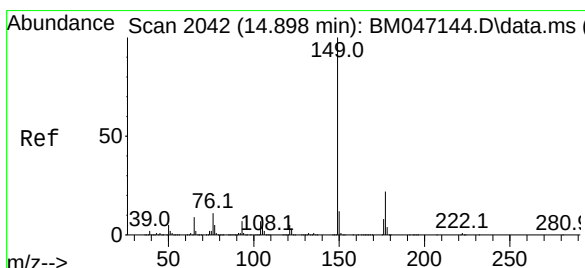
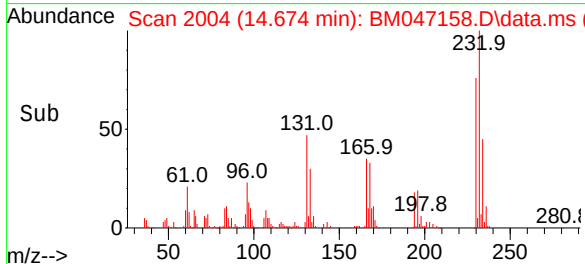
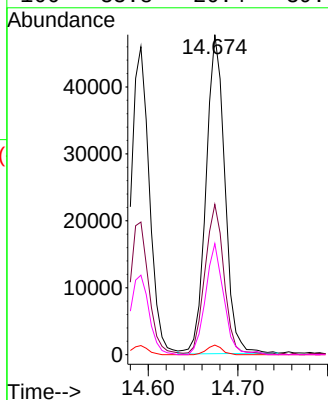
Ion Ratio Lower Upper

232 100

131 48.0 36.9 55.3

130 2.4 2.0 3.0

166 33.8 26.4 39.6



#60

Diethylphthalate

Concen: 5.726 ng

RT: 14.892 min Scan# 2041

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

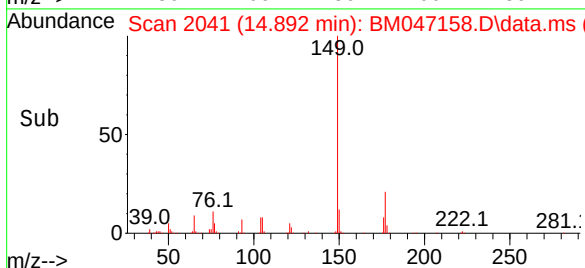
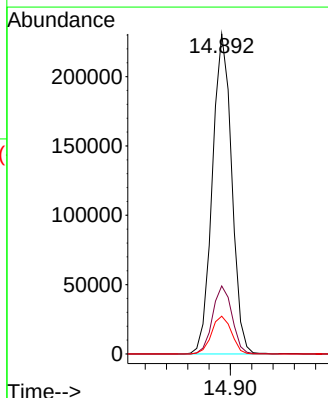
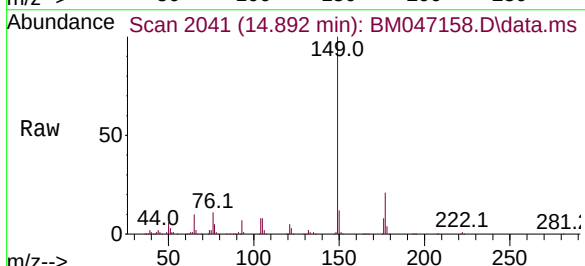
Tgt Ion:149 Resp: 290504

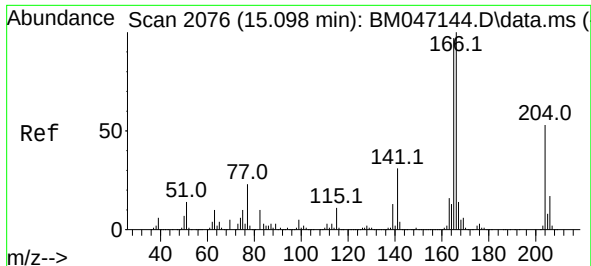
Ion Ratio Lower Upper

149 100

177 21.2 17.6 26.4

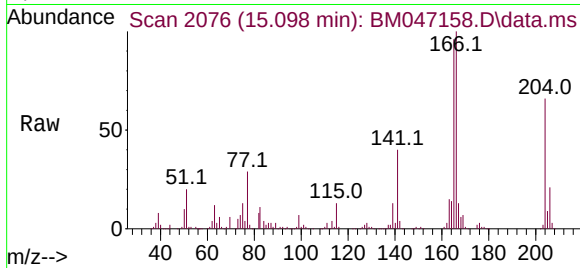
150 11.8 9.8 14.6



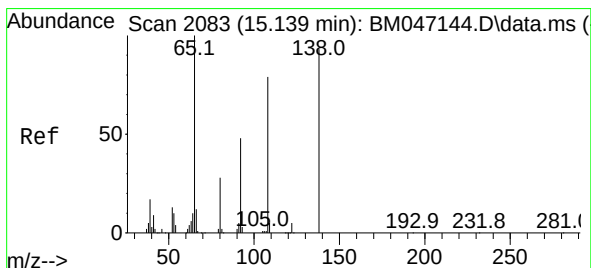
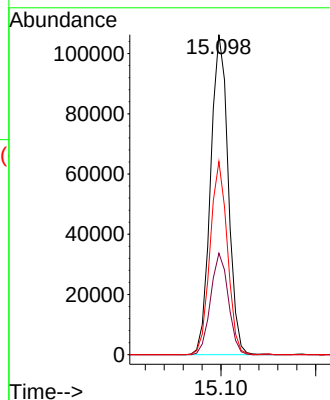
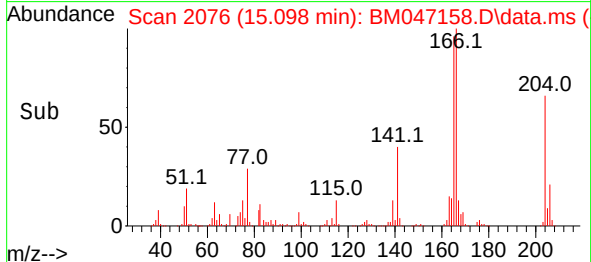


#61
4-Chlorophenyl-phenylether
Concen: 5.957 ng
RT: 15.098 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

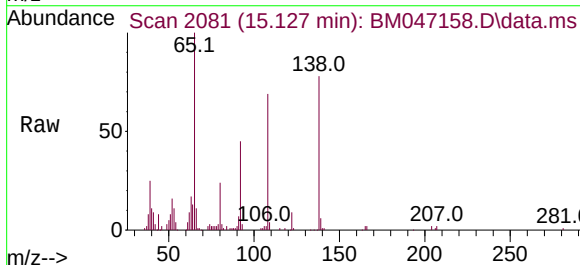
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



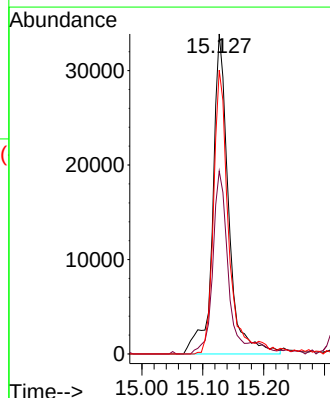
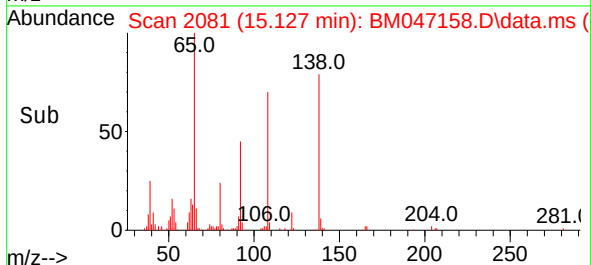
Tgt Ion:204 Resp: 136794
Ion Ratio Lower Upper
204 100
206 31.7 26.2 39.4
141 60.4 47.2 70.8

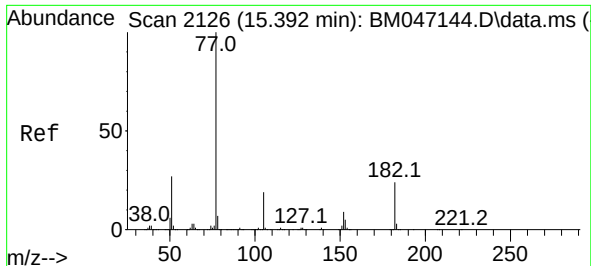


#62
4-Nitroaniline
Concen: 5.352 ng
RT: 15.127 min Scan# 2081
Delta R.T. -0.012 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39



Tgt Ion:138 Resp: 61354
Ion Ratio Lower Upper
138 100
92 57.2 31.9 71.9
108 88.7 63.8 103.8

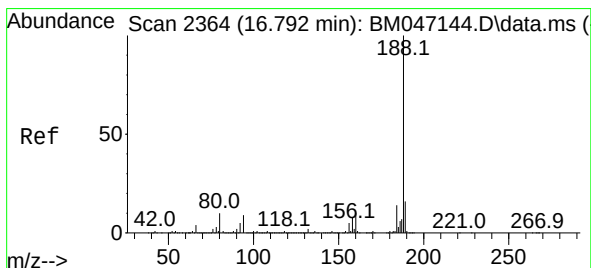
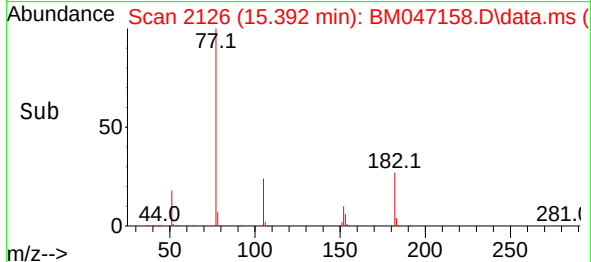
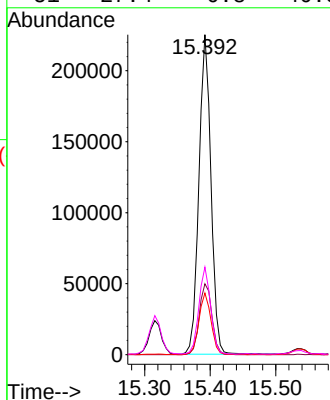
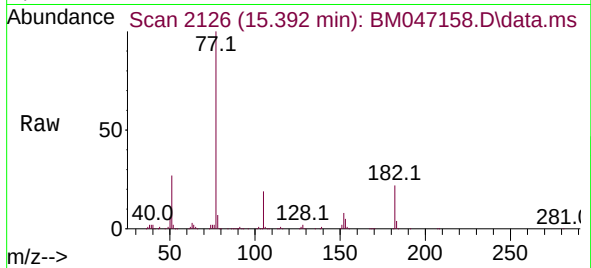




#63
Azobenzene
Concen: 5.992 ng
RT: 15.392 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

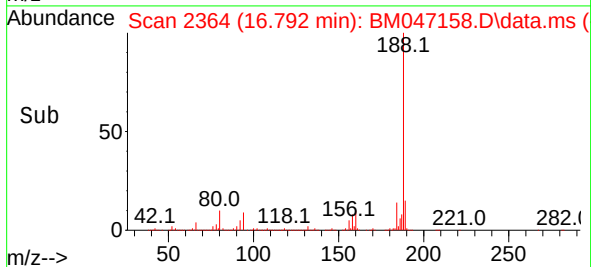
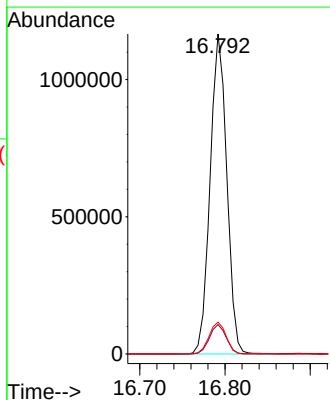
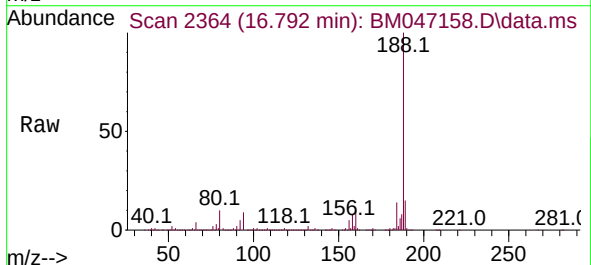
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

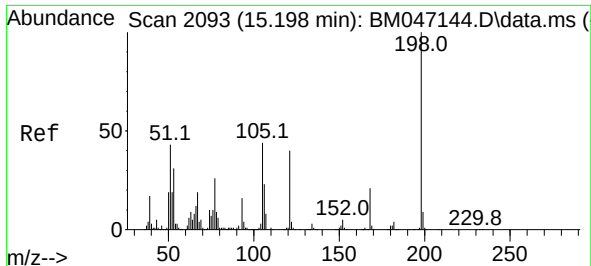
Tgt Ion: 77	Resp: 288228
Ion Ratio	Lower Upper
77 100	
182 22.2	3.8 43.8
105 19.3	0.0 39.5
51 27.4	6.8 46.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2364
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

Tgt	Ion:188	Resp:	1584431
Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.0	10.6
80	10.0	8.0	12.0





#65

4,6-Dinitro-2-methylphenol

Concen: 3.822 ng

RT: 15.192 min Scan# 2093

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

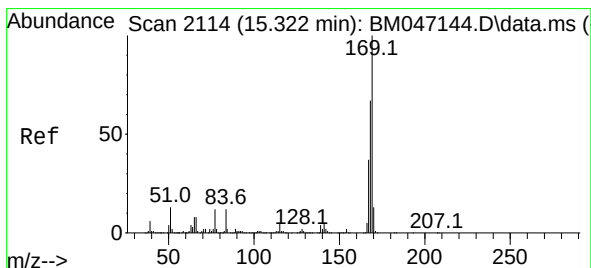
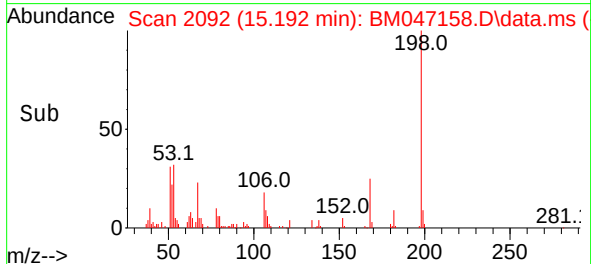
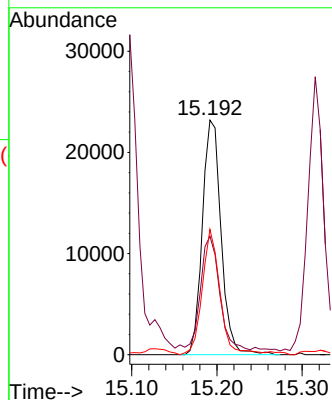
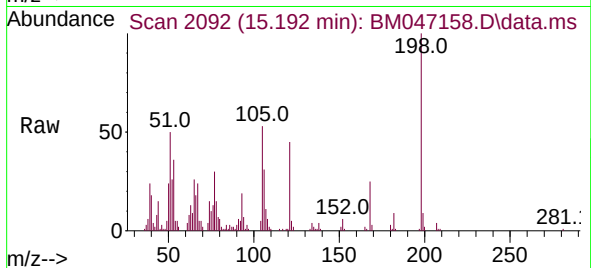
Tgt Ion:198 Resp: 35455

Ion Ratio Lower Upper

198 100

51 50.5 23.9 63.9

105 53.4 24.3 64.3



#66

n-Nitrosodiphenylamine

Concen: 5.676 ng

RT: 15.315 min Scan# 2113

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

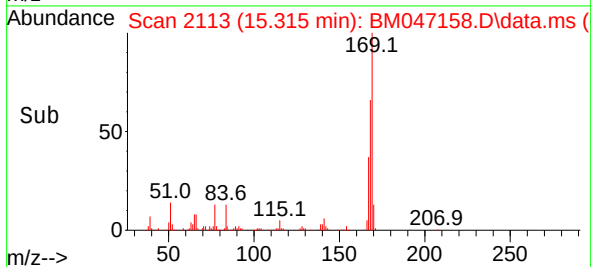
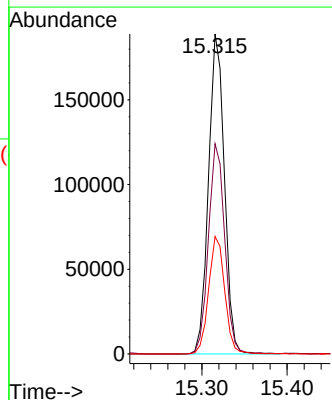
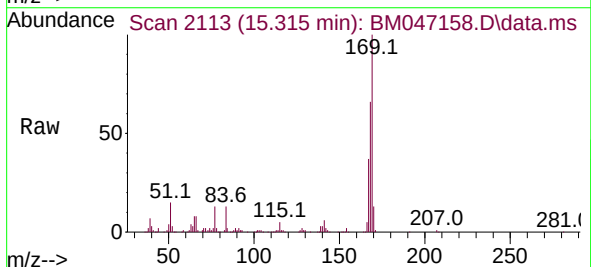
Tgt Ion:169 Resp: 244962

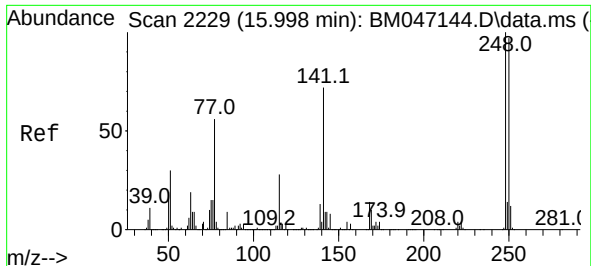
Ion Ratio Lower Upper

169 100

168 65.7 53.8 80.8

167 36.7 29.3 43.9

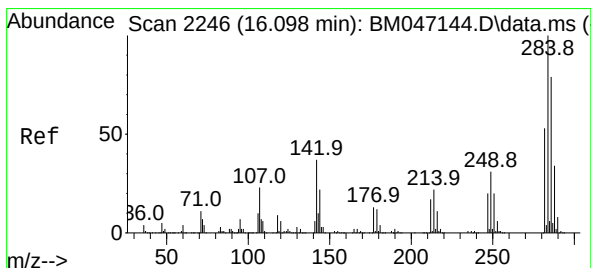
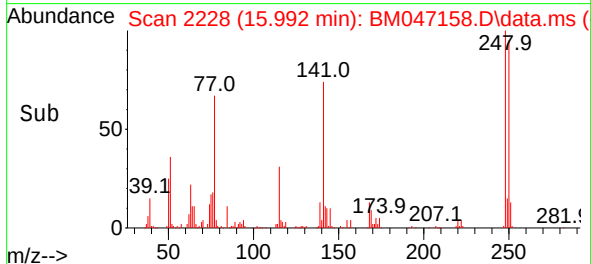
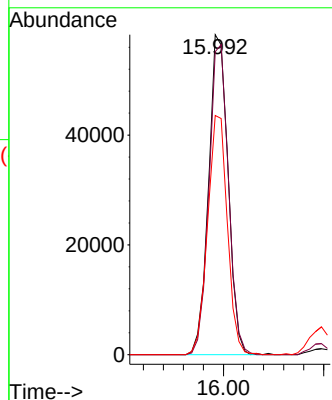
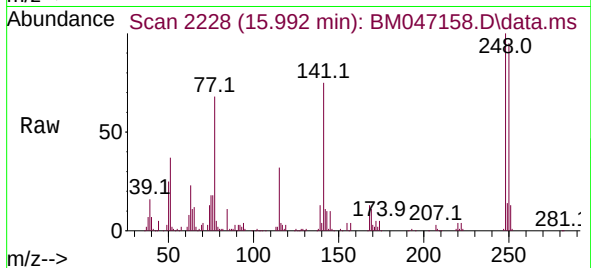




#67
4-Bromophenyl-phenylether
Concen: 5.155 ng
RT: 15.992 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

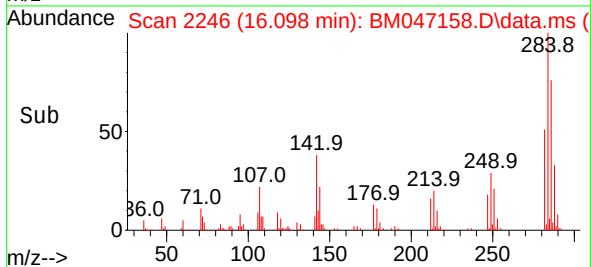
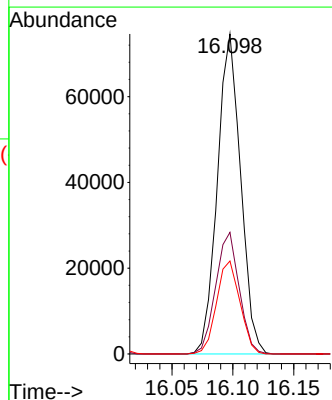
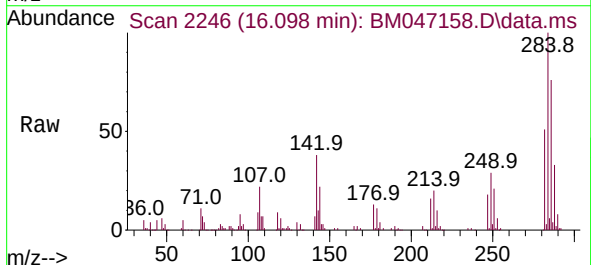
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

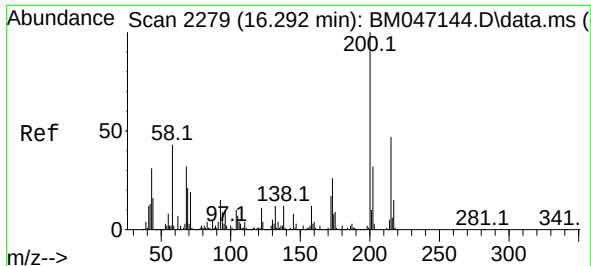
Tgt Ion:248 Resp: 78709
Ion Ratio Lower Upper
248 100
250 94.7 77.8 116.8
141 74.8 57.7 86.5



#68
Hexachlorobenzene
Concen: 5.426 ng
RT: 16.098 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

Tgt Ion:284 Resp: 99219
Ion Ratio Lower Upper
284 100
142 38.0 29.4 44.0
249 29.0 25.1 37.7





#69

Atrazine

Concen: 6.539 ng

RT: 16.286 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

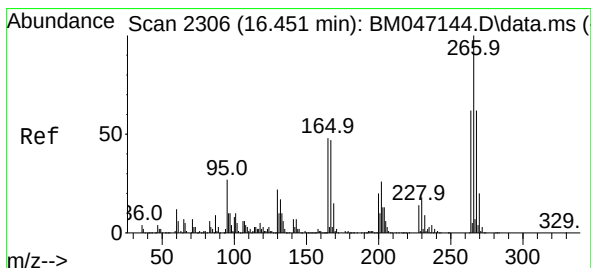
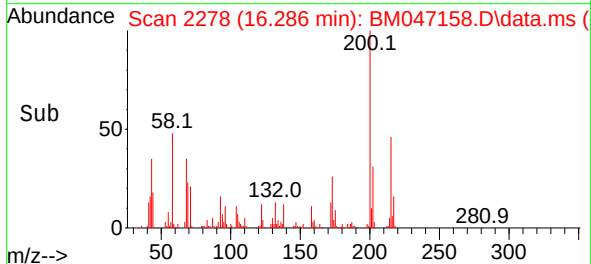
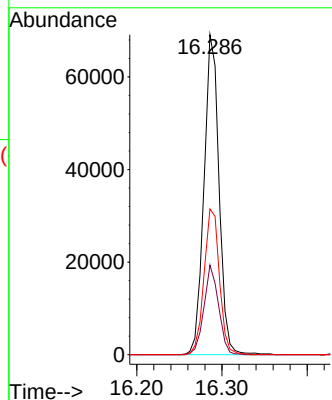
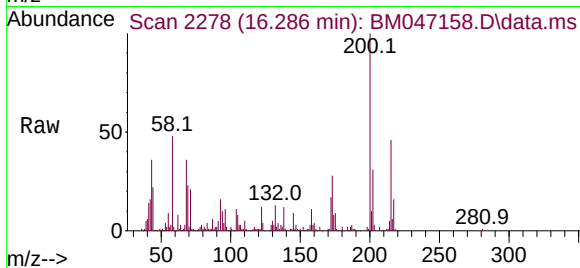
Tgt Ion:200 Resp: 84913

Ion Ratio Lower Upper

200 100

173 28.0 6.1 46.1

215 45.5 26.8 66.8



#70

Pentachlorophenol

Concen: 3.887 ng

RT: 16.451 min Scan# 2306

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

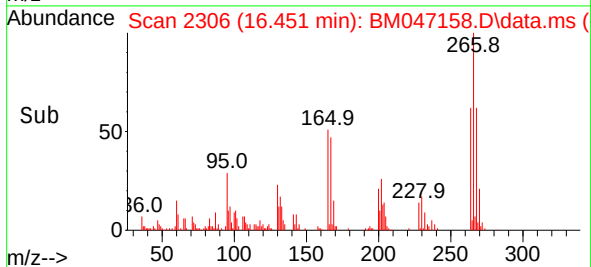
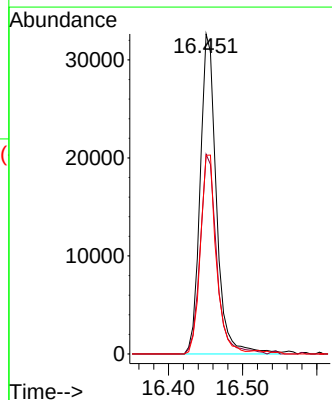
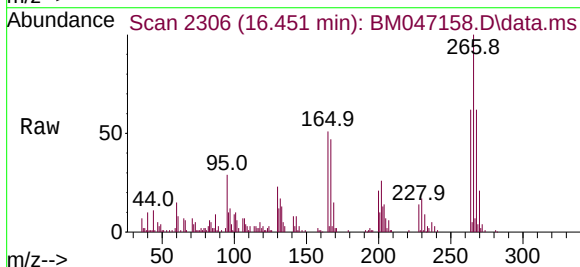
Tgt Ion:266 Resp: 49823

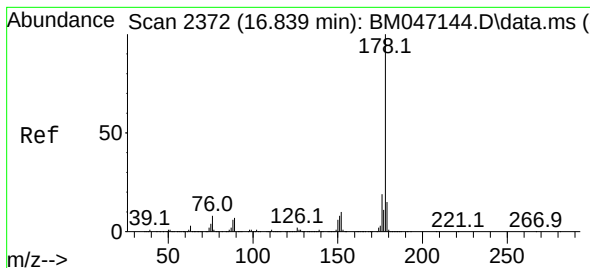
Ion Ratio Lower Upper

266 100

268 62.4 49.8 74.6

264 62.1 49.6 74.4





#71

Phenanthrene

Concen: 5.928 ng

RT: 16.833 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

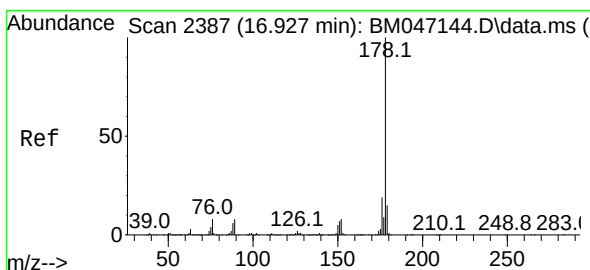
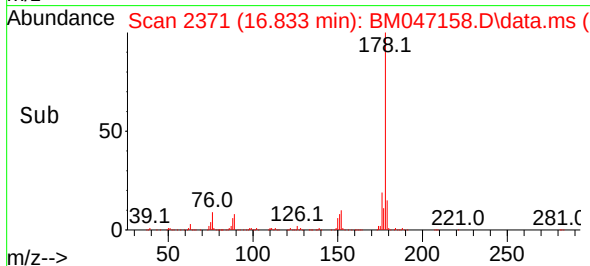
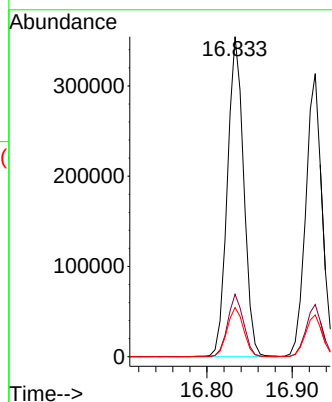
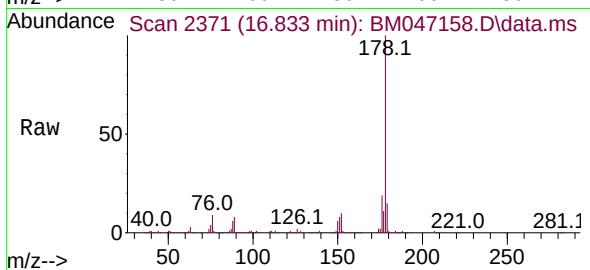
Tgt Ion:178 Resp: 471391

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

179 15.4 12.4 18.6



#72

Anthracene

Concen: 5.404 ng

RT: 16.927 min Scan# 2387

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

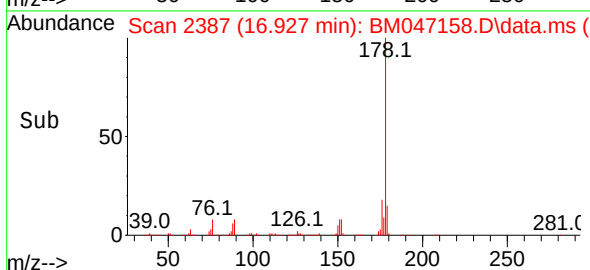
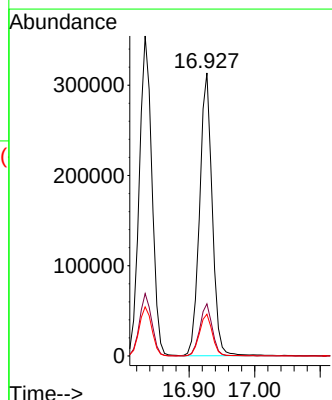
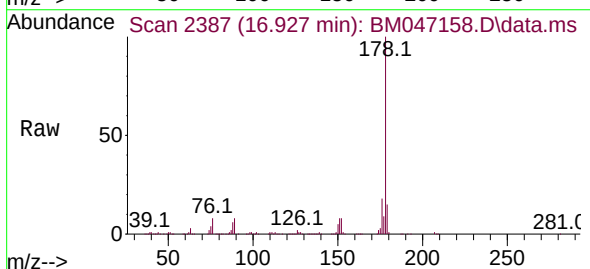
Tgt Ion:178 Resp: 418074

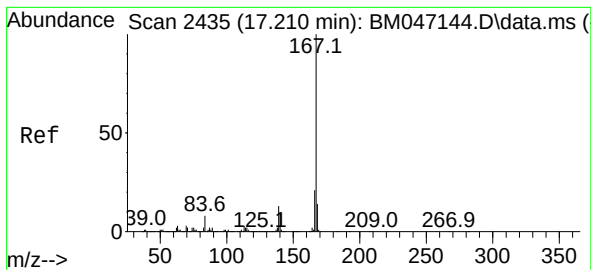
Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

179 14.8 12.4 18.6





#73

Carbazole

Concen: 5.530 ng

RT: 17.209 min Scan# 2435

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

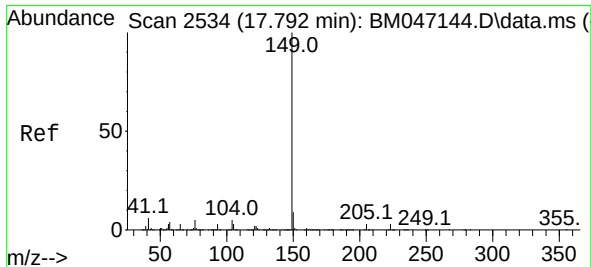
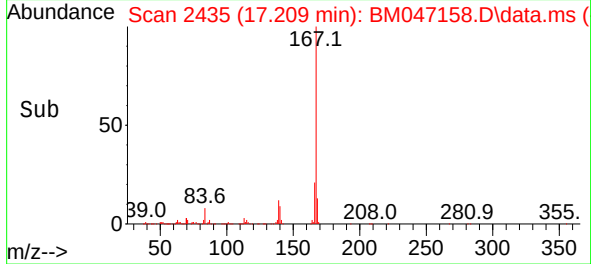
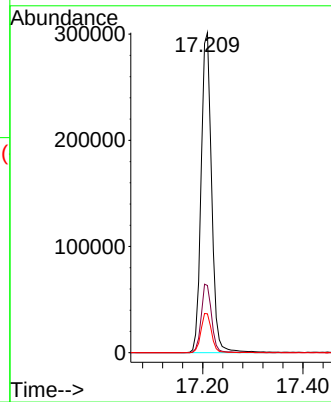
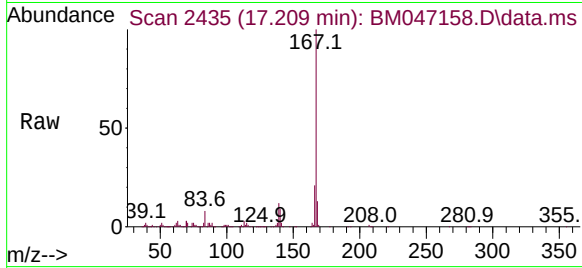
Tgt Ion:167 Resp: 436887

Ion Ratio Lower Upper

167 100

166 21.0 17.1 25.7

139 12.2 10.0 15.0



#74

Di-n-butylphthalate

Concen: 5.348 ng

RT: 17.792 min Scan# 2534

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

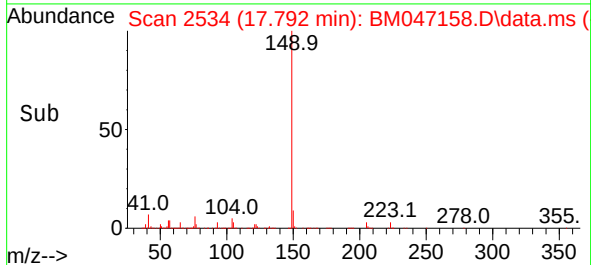
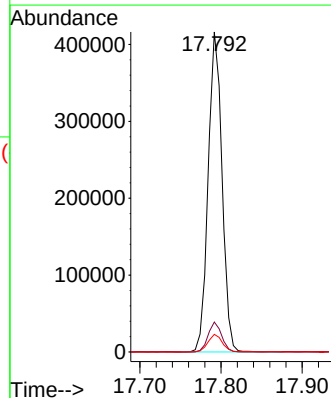
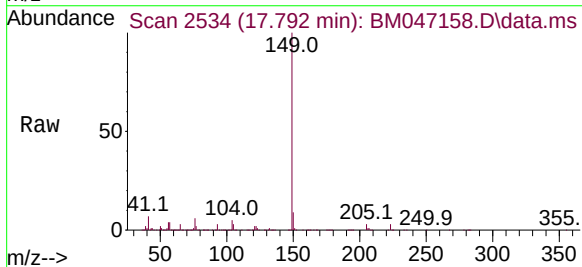
Tgt Ion:149 Resp: 491607

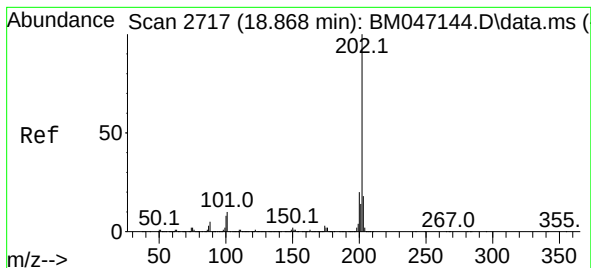
Ion Ratio Lower Upper

149 100

150 9.3 7.5 11.3

104 5.5 4.1 6.1

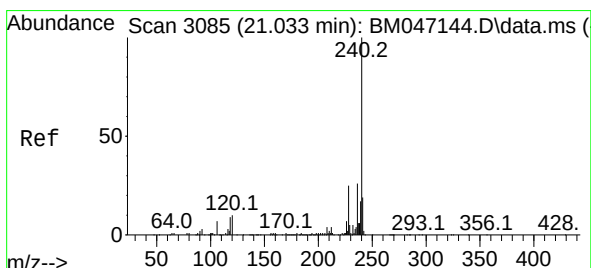
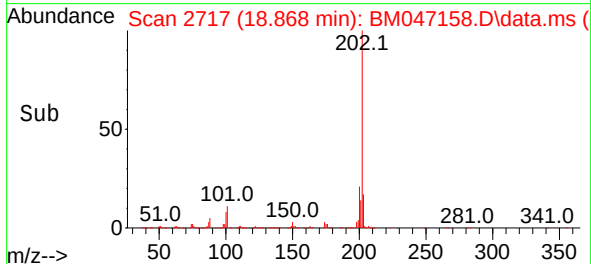
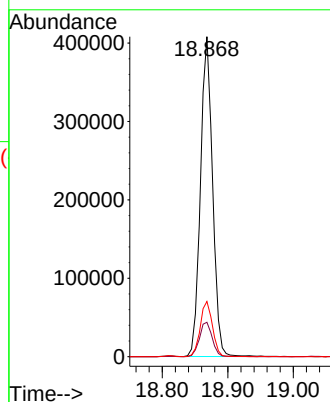
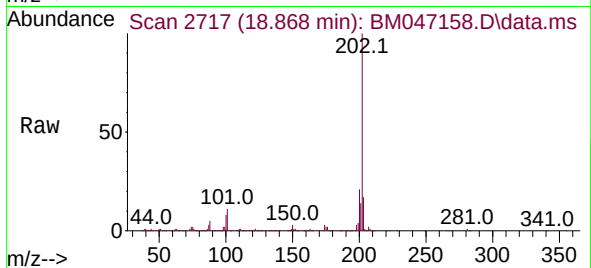




#75
Fluoranthene
Concen: 5.431 ng
RT: 18.868 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

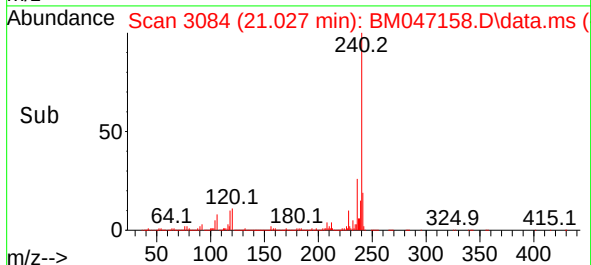
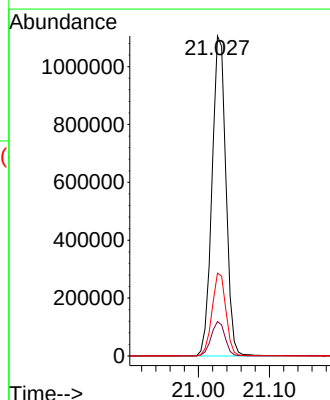
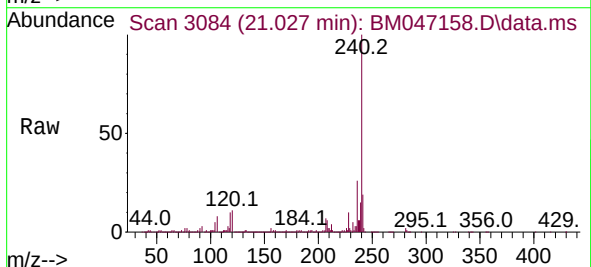
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

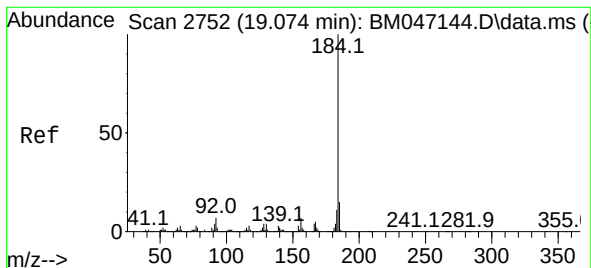
Tgt Ion:202 Resp: 525254
Ion Ratio Lower Upper
202 100
101 10.7 0.0 30.2
203 17.3 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.027 min Scan# 3084
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

Tgt Ion:240 Resp: 1503966
Ion Ratio Lower Upper
240 100
120 10.8 8.2 12.2
236 25.9 20.6 30.8





#77

Benzidine

Concen: 5.055 ng

RT: 19.074 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

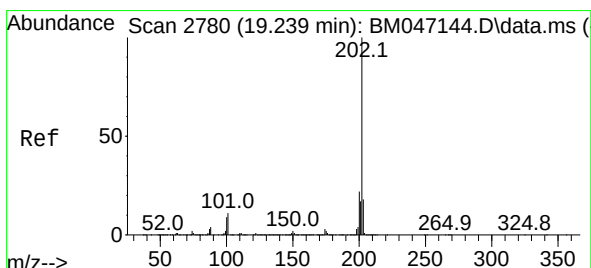
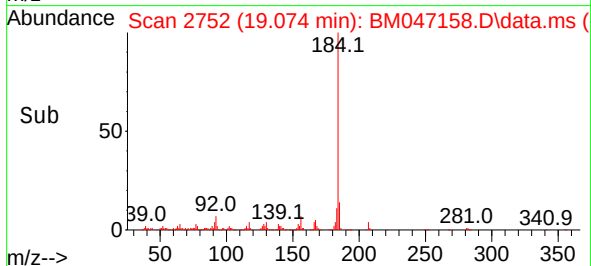
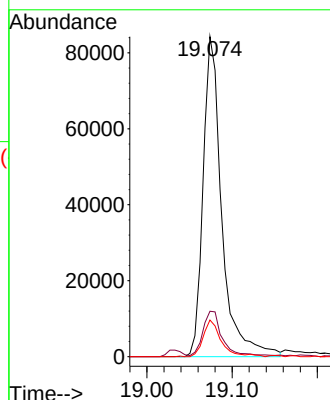
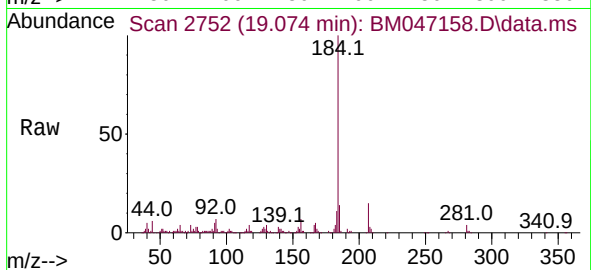
Tgt Ion:184 Resp: 128927

Ion Ratio Lower Upper

184 100

185 14.2 11.8 17.6

183 11.5 9.0 13.6



#78

Pyrene

Concen: 5.225 ng

RT: 19.233 min Scan# 2779

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

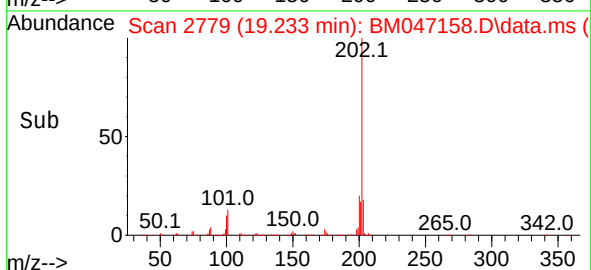
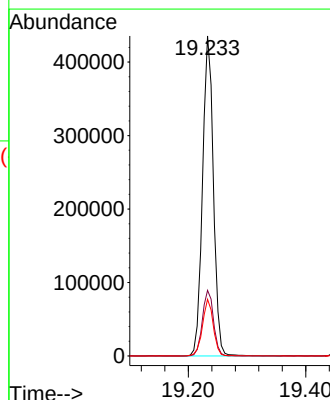
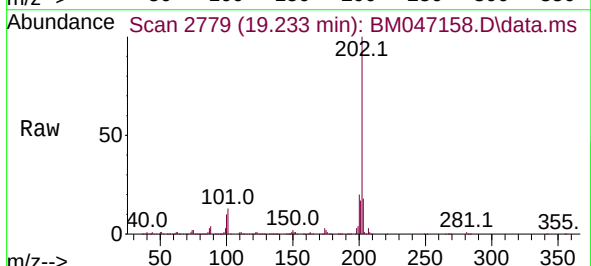
Tgt Ion:202 Resp: 561110

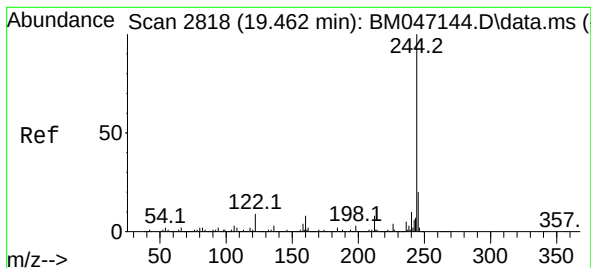
Ion Ratio Lower Upper

202 100

200 20.5 17.2 25.8

203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 95.911 ng

RT: 19.462 min Scan# 2818

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

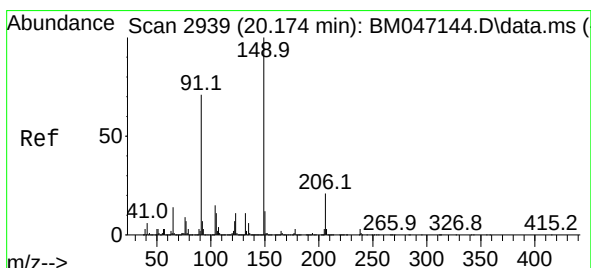
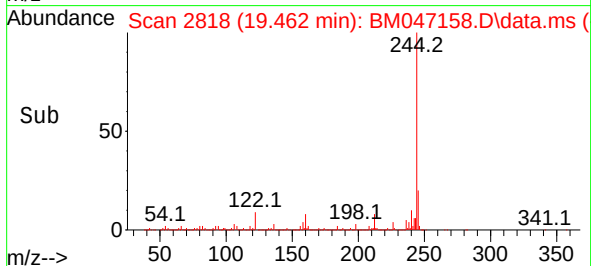
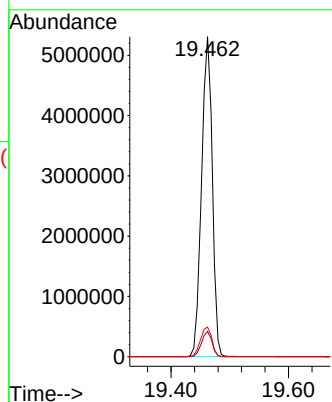
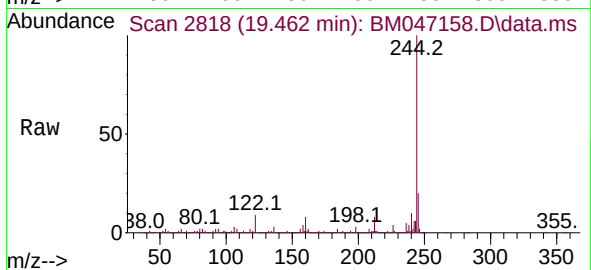
Tgt Ion:244 Resp: 6731819

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.4

122 9.2 7.1 10.7



#80

Butylbenzylphthalate

Concen: 4.897 ng

RT: 20.174 min Scan# 2939

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

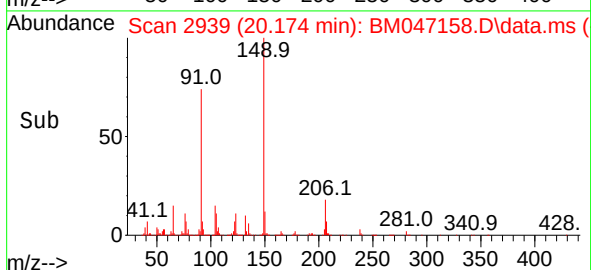
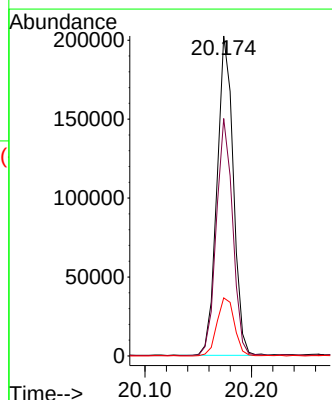
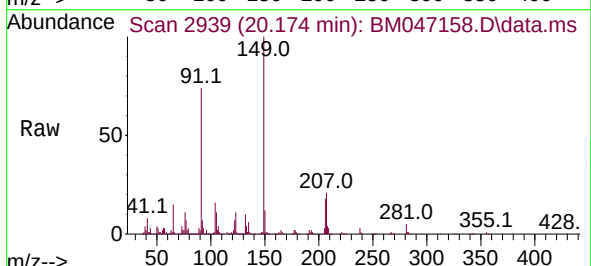
Tgt Ion:149 Resp: 214618

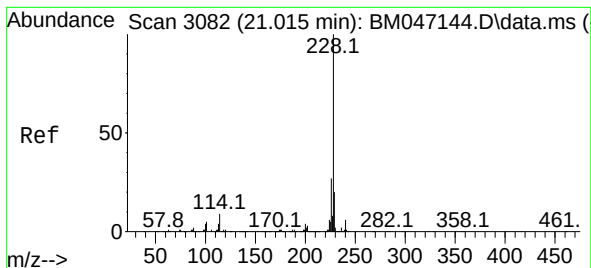
Ion Ratio Lower Upper

149 100

91 74.2 57.0 85.4

206 18.2 16.4 24.6





#81

Benzo(a)anthracene

Concen: 5.531 ng

RT: 21.009 min Scan# 3082

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

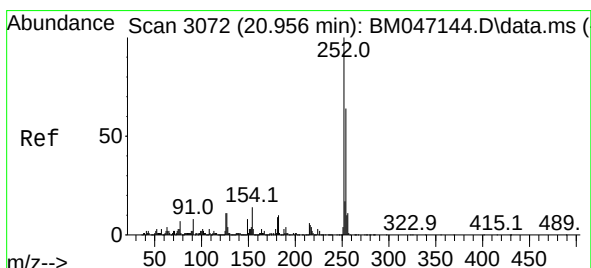
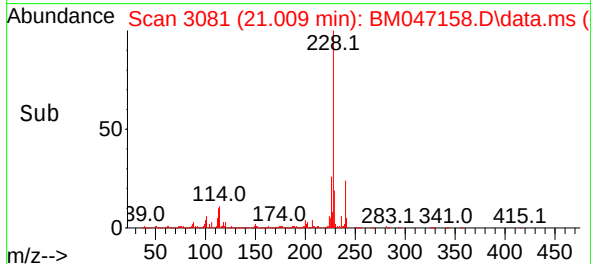
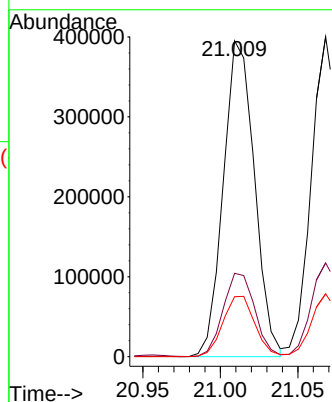
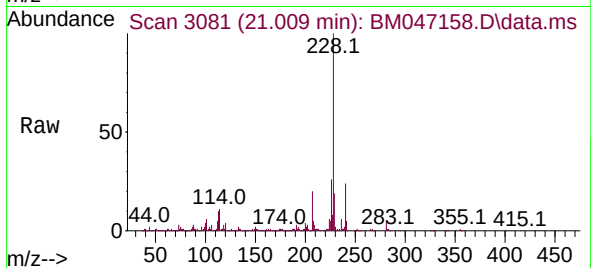
Tgt Ion:228 Resp: 552253

Ion Ratio Lower Upper

228 100

226 26.4 21.8 32.6

229 19.0 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 5.739 ng

RT: 20.956 min Scan# 3072

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

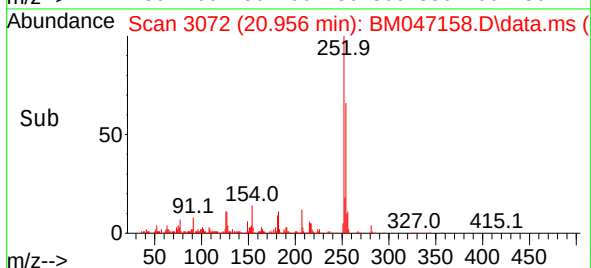
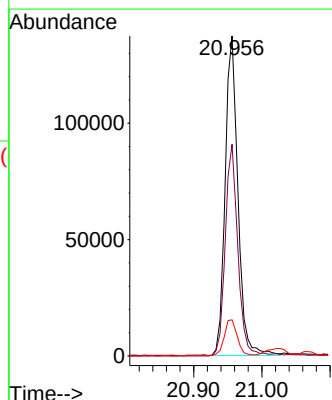
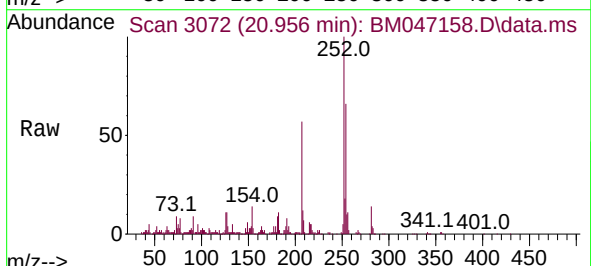
Tgt Ion:252 Resp: 179274

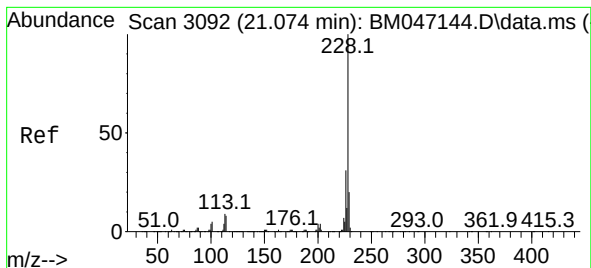
Ion Ratio Lower Upper

252 100

254 66.2 51.0 76.6

126 11.3 8.5 12.7





#83

Chrysene

Concen: 5.503 ng

RT: 21.068 min Scan# 3092

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

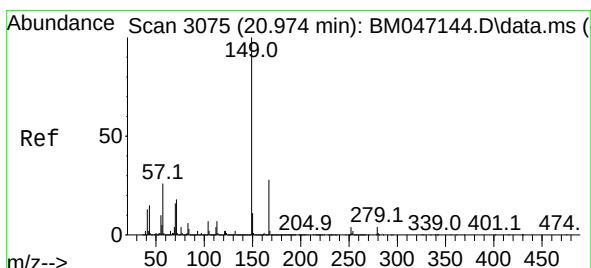
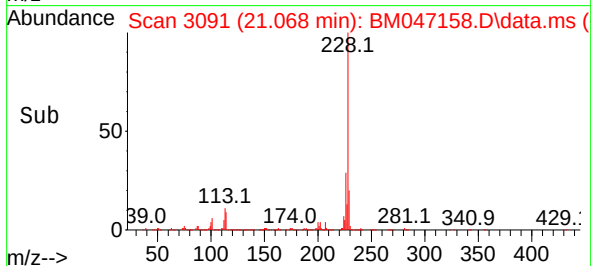
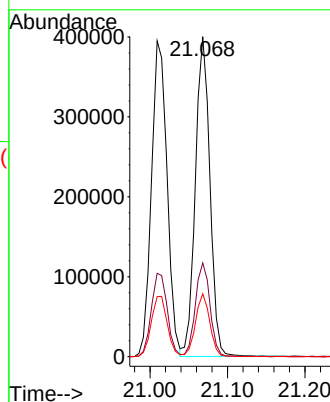
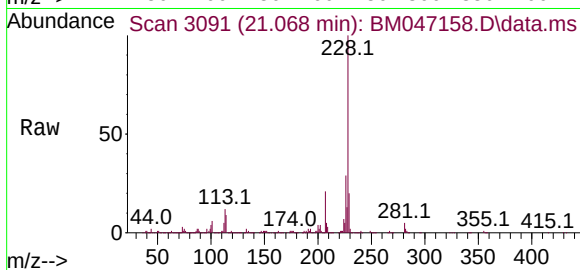
Tgt Ion:228 Resp: 521326

Ion Ratio Lower Upper

228 100

226 29.3 24.4 36.6

229 19.7 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.317 ng

RT: 20.974 min Scan# 3075

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

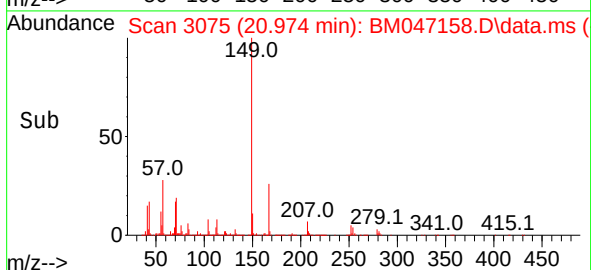
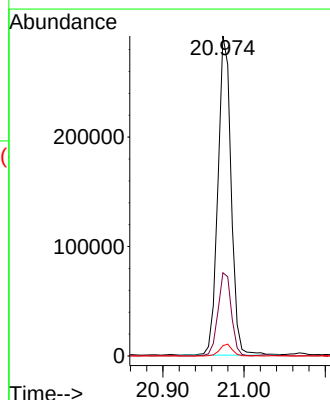
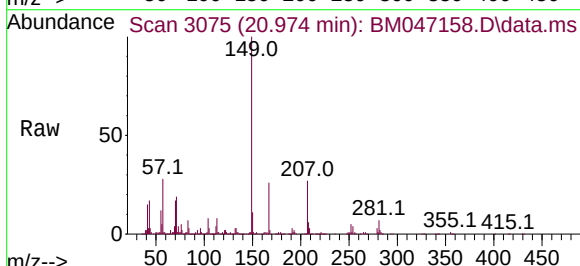
Tgt Ion:149 Resp: 330442

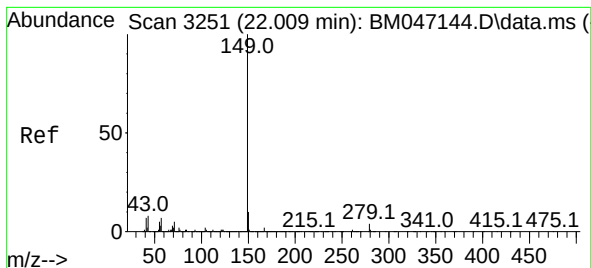
Ion Ratio Lower Upper

149 100

167 26.0 22.2 33.2

279 3.2 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 4.799 ng

RT: 22.009 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

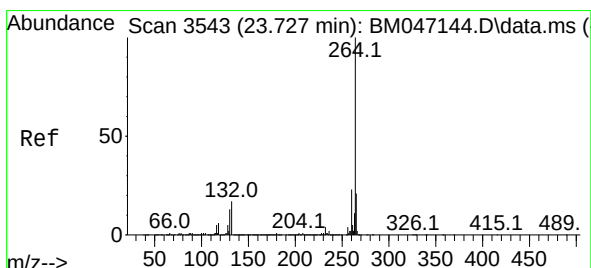
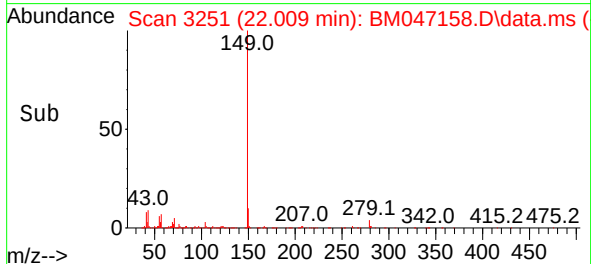
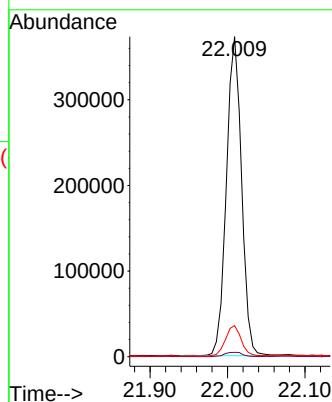
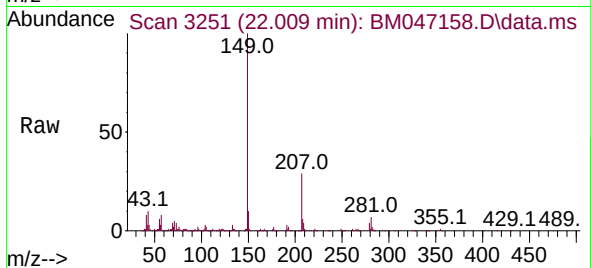
Tgt Ion:149 Resp: 506986

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 10.0 6.9 10.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.727 min Scan# 3543

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

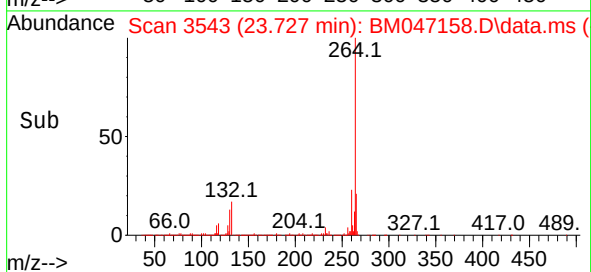
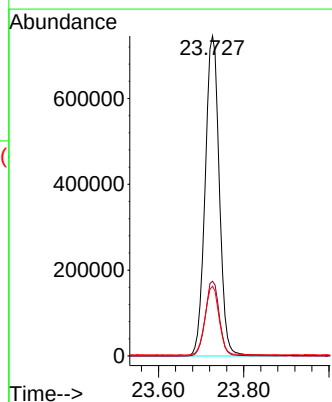
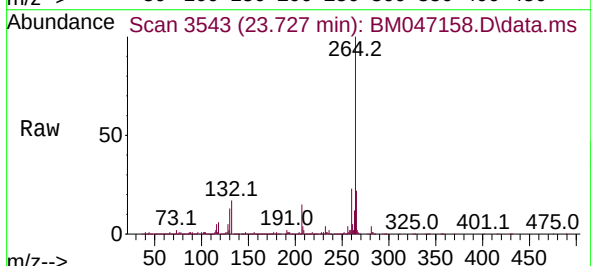
Tgt Ion:264 Resp: 1717416

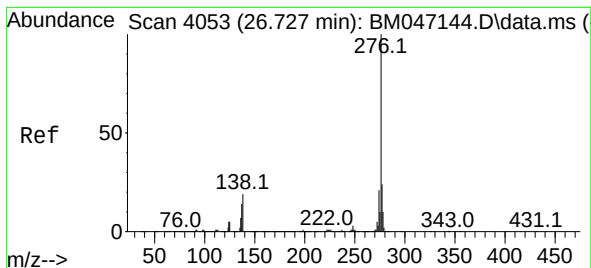
Ion Ratio Lower Upper

264 100

260 23.4 18.5 27.7

265 21.8 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.517 ng

RT: 26.709 min Scan# 4053

Delta R.T. -0.018 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

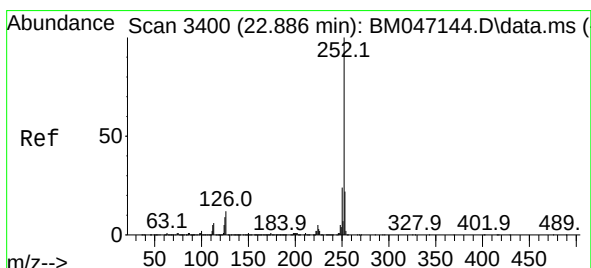
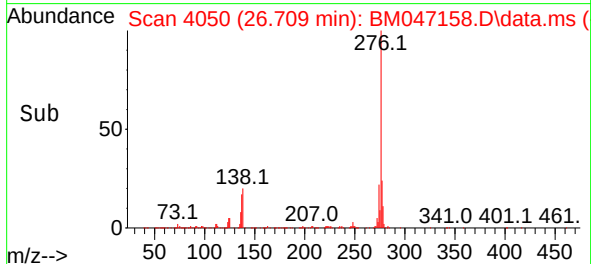
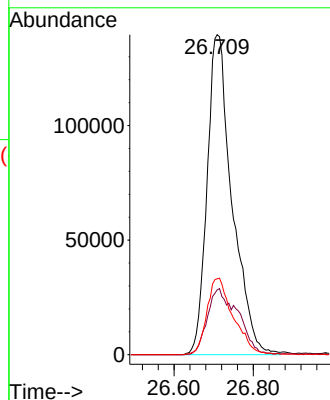
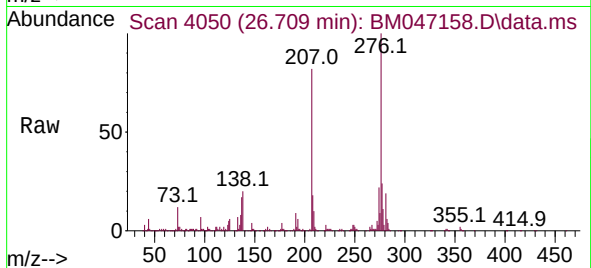
Tgt Ion:276 Resp: 612479

Ion Ratio Lower Upper

276 100

138 25.3 19.4 29.0

277 25.1 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 5.553 ng

RT: 22.880 min Scan# 3399

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

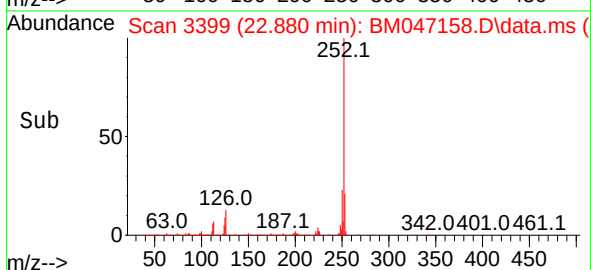
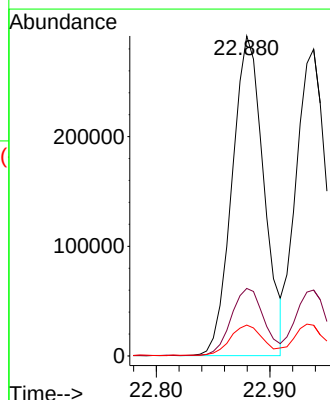
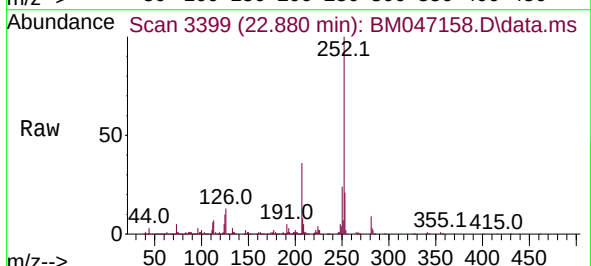
Tgt Ion:252 Resp: 566342

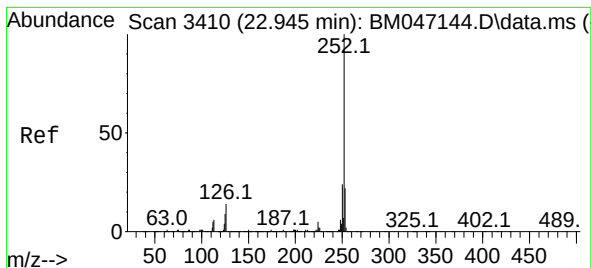
Ion Ratio Lower Upper

252 100

253 21.1 17.8 26.6

125 9.6 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 5.530 ng

RT: 22.938 min Scan# 3410

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

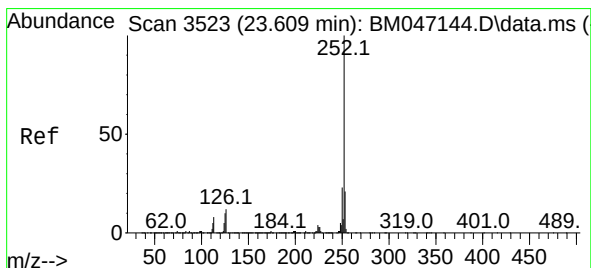
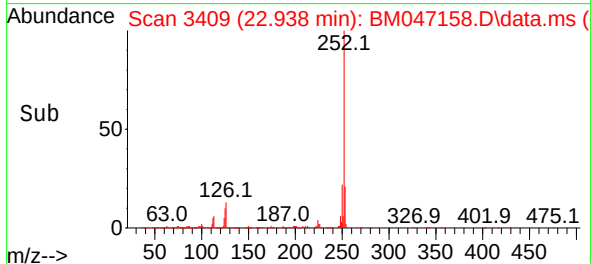
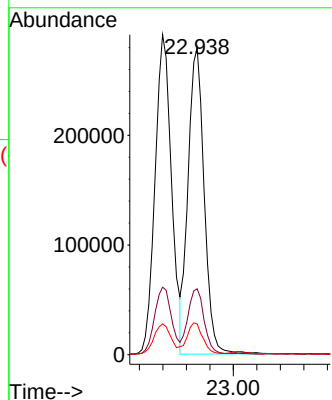
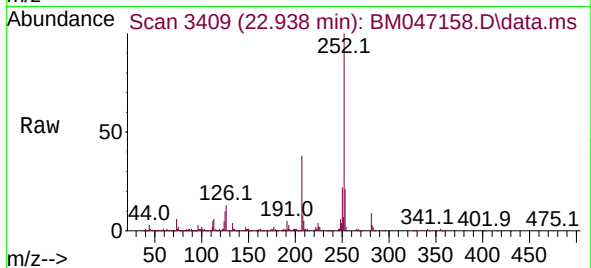
Tgt Ion:252 Resp: 532752

Ion Ratio Lower Upper

252 100

253 21.5 17.7 26.5

125 10.0 7.4 11.2



#90

Benzo(a)pyrene

Concen: 5.317 ng

RT: 23.597 min Scan# 3521

Delta R.T. -0.012 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

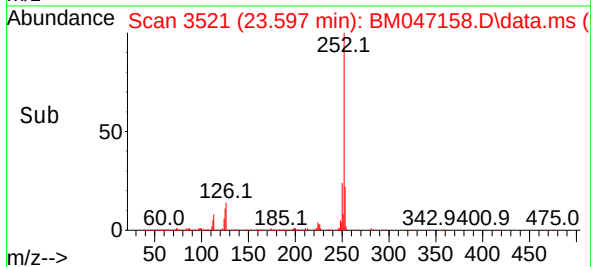
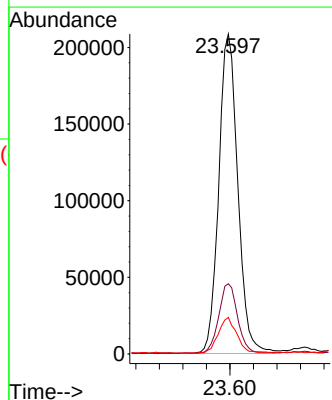
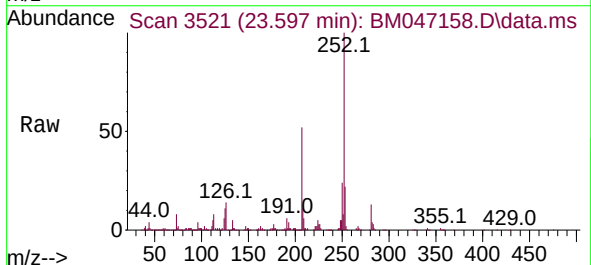
Tgt Ion:252 Resp: 469737

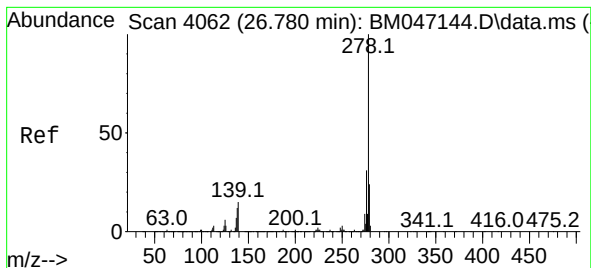
Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

125 11.4 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 5.703 ng

RT: 26.762 min Scan# 4062

Delta R.T. -0.018 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

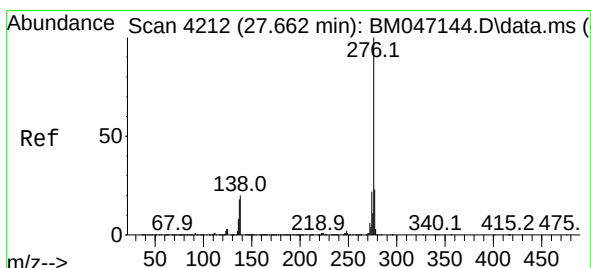
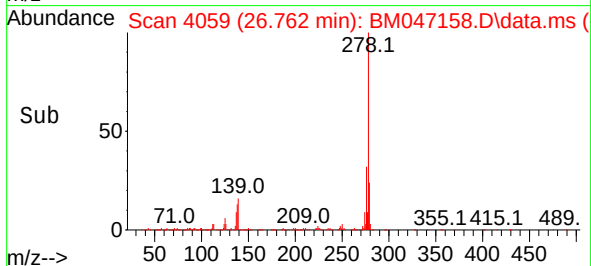
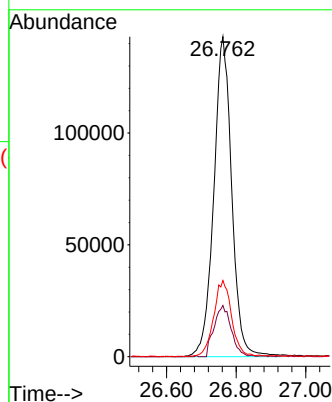
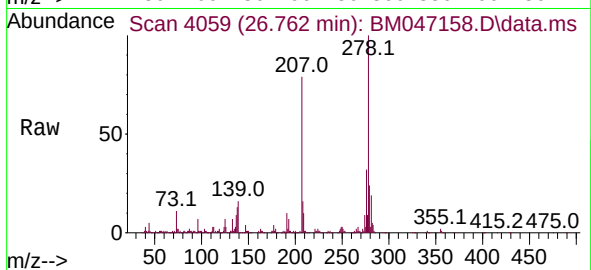
Tgt Ion:278 Resp: 512367

Ion Ratio Lower Upper

278 100

139 16.0 12.0 18.0

279 23.8 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 5.369 ng

RT: 27.638 min Scan# 4208

Delta R.T. -0.024 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Tgt Ion:276 Resp: 500742

Ion Ratio Lower Upper

276 100

277 23.9 18.8 28.2

138 22.0 16.2 24.4

