

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081224\
 Data File : BM047159.D
 Acq On : 12 Aug 2024 17:28
 Operator : RC/JU
 Sample : P3390-02
 Misc : LOQ-SOIL-5NG
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Aug 12 18:06:36 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	253997	20.000	ng	0.00
21) Naphthalene-d8	10.127	136	1065262	20.000	ng	0.00
39) Acenaphthene-d10	14.033	164	719266	20.000	ng	0.00
64) Phenanthrene-d10	16.792	188	1582517	20.000	ng	0.00
76) Chrysene-d12	21.027	240	1533970	20.000	ng	0.00
86) Perylene-d12	23.727	264	1738821	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	1320829	92.919	ng	0.00
7) Phenol-d6	6.581	99	1816989	92.766	ng	0.00
23) Nitrobenzene-d5	8.522	82	1667239	78.808	ng	0.00
42) 2,4,6-Tribromophenol	15.539	330	827845	99.262	ng	0.00
45) 2-Fluorobiphenyl	12.639	172	3646446	78.201	ng	0.00
79) Terphenyl-d14	19.462	244	6181461	86.347	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.034	88	30093	5.109	ng	99
3) Pyridine	3.416	79	78913	4.569	ng	96
4) n-Nitrosodimethylamine	3.334	42	37509	4.971	ng	# 88
6) Aniline	6.722	93	115611	6.245	ng	99
8) 2-Chlorophenol	6.945	128	77879	5.023	ng	95
9) Benzaldehyde	6.539	77	78548	5.259	ng	97
10) Phenol	6.604	94	97257	4.976	ng	91
11) bis(2-Chloroethyl)ether	6.822	93	86757	5.183	ng	99
12) 1,3-Dichlorobenzene	7.263	146	92648	5.029	ng	99
13) 1,4-Dichlorobenzene	7.410	146	95691	5.130	ng	99
14) 1,2-Dichlorobenzene	7.716	146	91067	5.174	ng	96
15) Benzyl Alcohol	7.622	79	76493	5.487	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.910	45	116724	5.435	ng	98
17) 2-Methylphenol	7.828	107	62534	4.796	ng	98
18) Hexachloroethane	8.428	117	35209	4.873	ng	96
19) n-Nitroso-di-n-propyla...	8.181	70	71856	5.446	ng	97
20) 3+4-Methylphenols	8.157	107	88734	4.868	ng	97
22) Acetophenone	8.192	105	138336	5.380	ng	# 95
24) Nitrobenzene	8.557	77	110772	5.200	ng	99
25) Isophorone	9.086	82	189210	5.137	ng	99
26) 2-Nitrophenol	9.263	139	39430	4.179	ng	97
27) 2,4-Dimethylphenol	9.339	122	46775	4.233	ng	97
28) bis(2-Chloroethoxy)met...	9.575	93	118526	5.114	ng	99
29) 2,4-Dichlorophenol	9.798	162	75826	4.624	ng	99
30) 1,2,4-Trichlorobenzene	9.998	180	89033	4.798	ng	98
31) Naphthalene	10.175	128	270019	5.088	ng	98
32) Benzoic acid	9.433	122	35787	2.787	ng	98
33) 4-Chloroaniline	10.310	127	108213	5.303	ng	98
34) Hexachlorobutadiene	10.463	225	47862	4.407	ng	99
35) Caprolactam	11.086	113	26384	4.633	ng	96
36) 4-Chloro-3-methylphenol	11.445	107	81102	4.644	ng	96
37) 2-Methylnaphthalene	11.804	142	184246	4.876	ng	98
38) 1-Methylnaphthalene	12.027	142	186780	5.002	ng	98
40) 1,2,4,5-Tetrachloroben...	12.186	216	95936	4.890	ng	100
41) Hexachlorocyclopentadiene	12.163	237	16546	2.415	ng	94
43) 2,4,6-Trichlorophenol	12.445	196	61927	4.441	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081224\
 Data File : BM047159.D
 Acq On : 12 Aug 2024 17:28
 Operator : RC/JU
 Sample : P3390-02
 Misc : LOQ-SOIL-5NG
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Aug 12 18:06:36 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

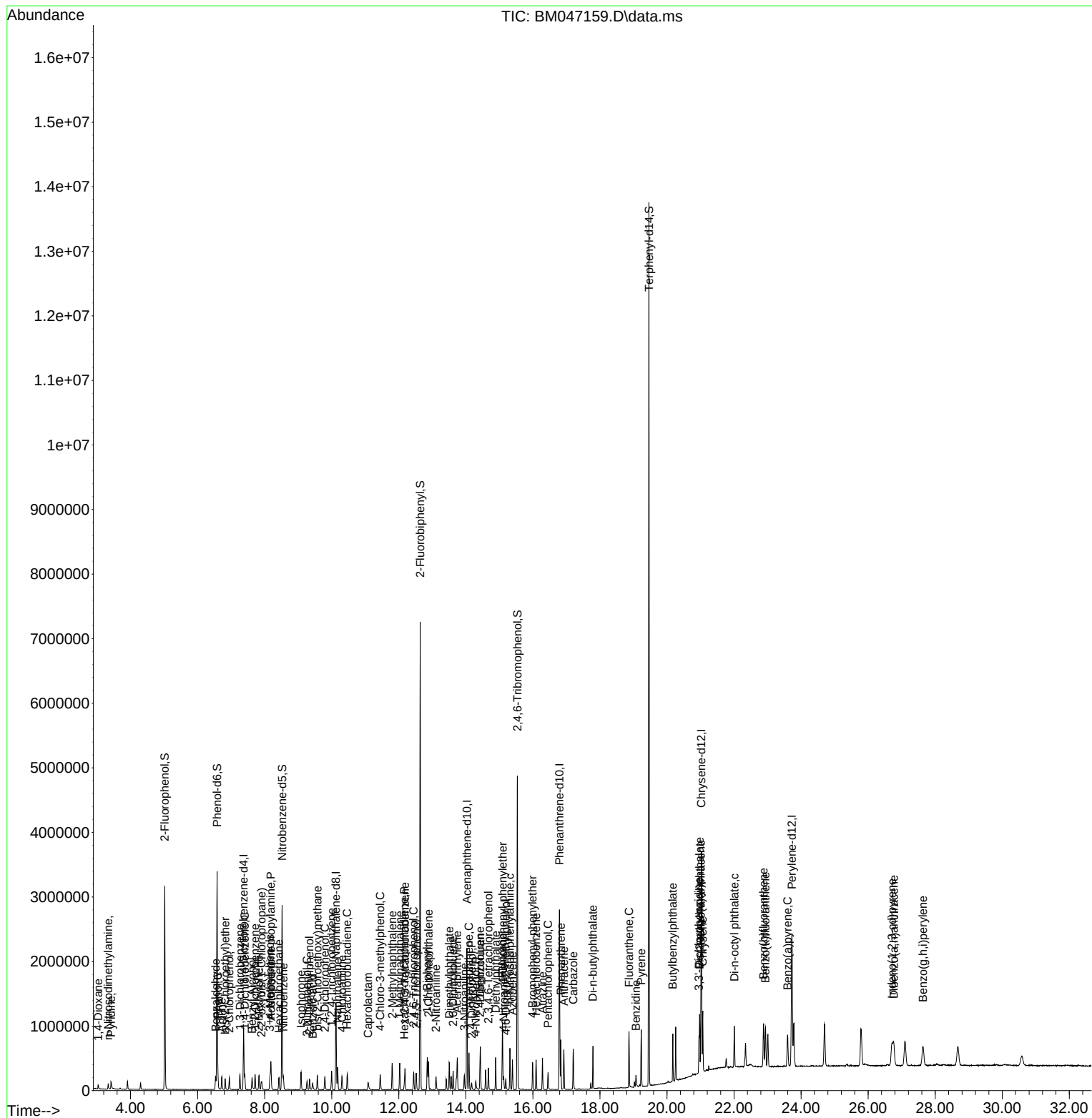
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.521	196	68891	4.450	ng	97
46) 1,1'-Biphenyl	12.851	154	265015	5.175	ng	99
47) 2-Chloronaphthalene	12.886	162	206476	5.159	ng	99
48) 2-Nitroaniline	13.110	65	56849	4.534	ng	92
49) Acenaphthylene	13.745	152	332860	5.642	ng	100
50) Dimethylphthalate	13.510	163	262043	5.216	ng	99
51) 2,6-Dinitrotoluene	13.621	165	53021	4.515	ng	94
52) Acenaphthene	14.092	154	196352	5.247	ng	98
53) 3-Nitroaniline	13.957	138	53356	4.534	ng	98
54) 2,4-Dinitrophenol	14.174	184	20914	2.972	ng	93
55) Dibenzofuran	14.433	168	327040	5.533	ng	99
56) 4-Nitrophenol	14.298	139	40930	4.034	ng	89
57) 2,4-Dinitrotoluene	14.421	165	67132	4.283	ng	# 80
58) Fluorene	15.092	166	261328	5.358	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.674	232	60939	4.789	ng	97
60) Diethylphthalate	14.892	149	260478	5.078	ng	99
61) 4-Chlorophenyl-phenyle...	15.098	204	123114	5.302	ng	99
62) 4-Nitroaniline	15.127	138	52406	4.521	ng	94
63) Azobenzene	15.392	77	256798	5.280	ng	98
65) 4,6-Dinitro-2-methylph...	15.192	198	31168	3.364	ng	91
66) n-Nitrosodiphenylamine	15.315	169	220841	5.123	ng	99
67) 4-Bromophenyl-phenylether	15.992	248	70673	4.634	ng	96
68) Hexachlorobenzene	16.098	284	89893	4.922	ng	97
69) Atrazine	16.286	200	75016	5.784	ng	98
70) Pentachlorophenol	16.451	266	44454	3.472	ng	98
71) Phenanthrene	16.833	178	432490	5.446	ng	100
72) Anthracene	16.927	178	379252	4.908	ng	99
73) Carbazole	17.203	167	390232	4.946	ng	100
74) Di-n-butylphthalate	17.792	149	440747	4.801	ng	99
75) Fluoranthene	18.868	202	480192	4.971	ng	99
77) Benzidine	19.074	184	111254	4.277	ng	98
78) Pyrene	19.233	202	503546	4.597	ng	99
80) Butylbenzylphthalate	20.174	149	191527	4.285	ng	97
81) Benzo(a)anthracene	21.009	228	504577	4.955	ng	99
82) 3,3'-Dichlorobenzidine	20.956	252	163956	5.146	ng	99
83) Chrysene	21.068	228	474445	4.911	ng	99
84) Bis(2-ethylhexyl)phtha...	20.974	149	289291	4.564	ng	98
85) Di-n-octyl phthalate	22.009	149	443883	4.120	ng	97
87) Indeno(1,2,3-cd)pyrene	26.709	276	558269	4.967	ng	98
88) Benzo(b)fluoranthene	22.880	252	509979	4.939	ng	98
89) Benzo(k)fluoranthene	22.938	252	485771	4.980	ng	99
90) Benzo(a)pyrene	23.597	252	423623	4.736	ng	99
91) Dibenzo(a,h)anthracene	26.768	278	468994	5.156	ng	98
92) Benzo(g,h,i)perylene	27.638	276	459610	4.867	ng	99

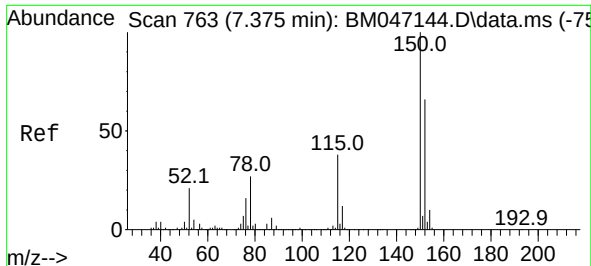
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081224\
Data File : BM047159.D
Acq On : 12 Aug 2024 17:28
Operator : RC/JU
Sample : P3390-02
Misc : LOQ-SOIL-5NG
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Aug 12 18:06:36 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

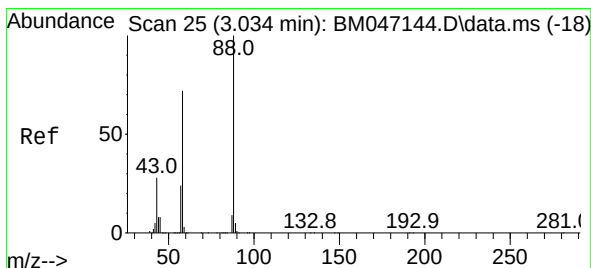
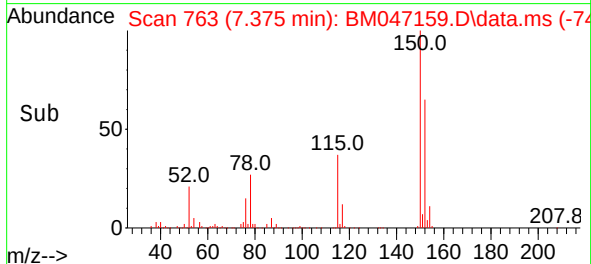
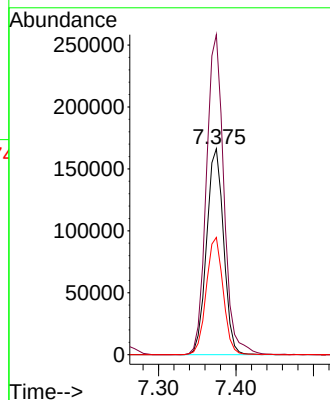
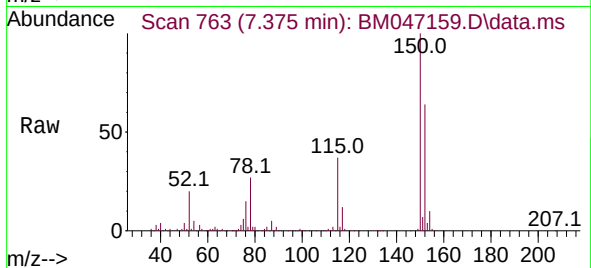




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 763
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

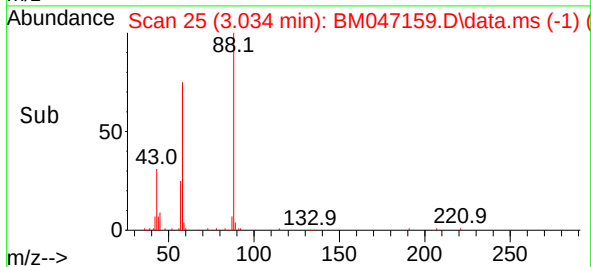
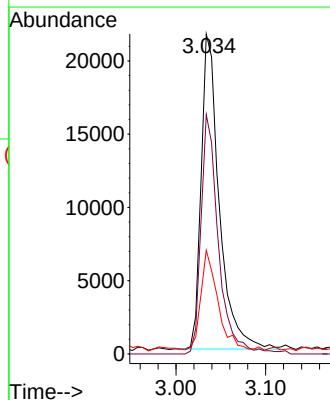
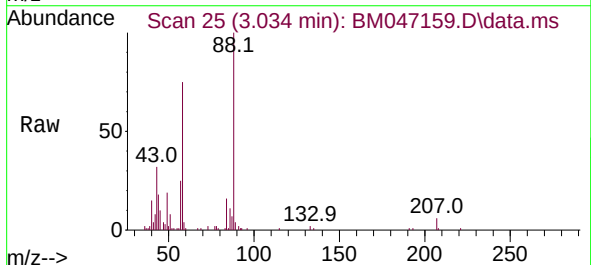
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

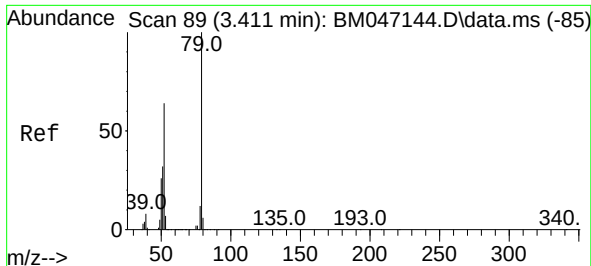
Tgt Ion:152 Resp: 253997
Ion Ratio Lower Upper
152 100
150 155.4 120.5 180.7
115 56.9 45.5 68.3



#2
1,4-Dioxane
Concen: 5.109 ng
RT: 3.034 min Scan# 25
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

Tgt Ion: 88 Resp: 30093
Ion Ratio Lower Upper
88 100
58 73.5 58.2 87.4
43 29.4 22.5 33.7





#3

Pyridine

Concen: 4.569 ng

RT: 3.416 min Scan# 90

Delta R.T. 0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

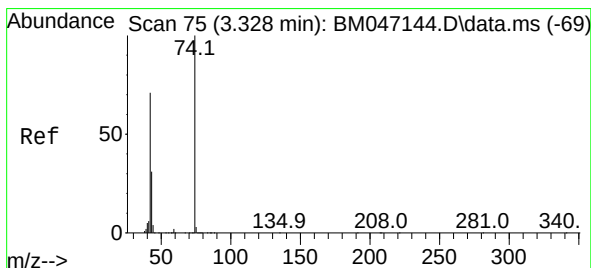
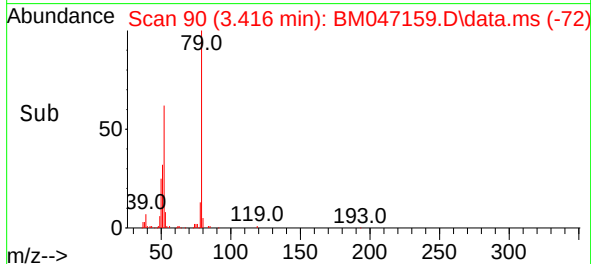
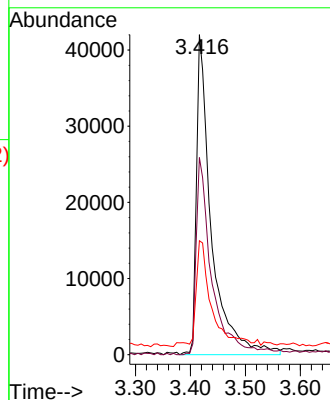
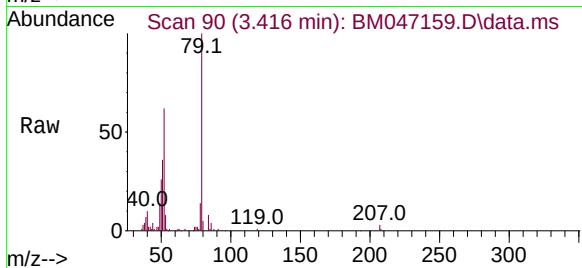
Tgt Ion: 79 Resp: 78913

Ion Ratio Lower Upper

79 100

52 61.6 51.2 76.8

51 35.6 26.1 39.1



#4

n-Nitrosodimethylamine

Concen: 4.971 ng

RT: 3.334 min Scan# 76

Delta R.T. 0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

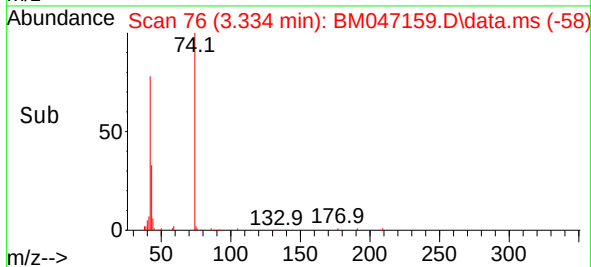
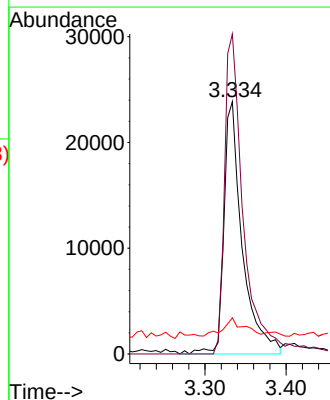
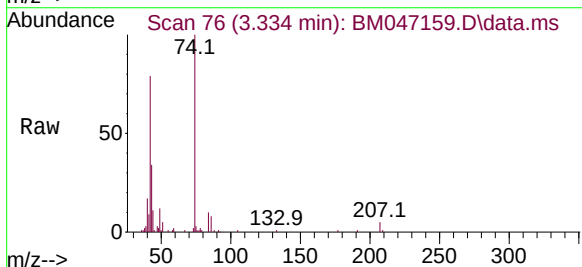
Tgt Ion: 42 Resp: 37509

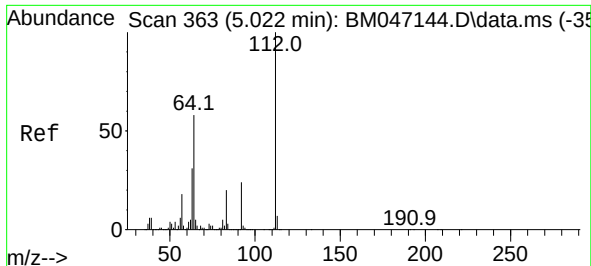
Ion Ratio Lower Upper

42 100

74 126.8 112.9 169.3

44 14.3 5.3 7.9#

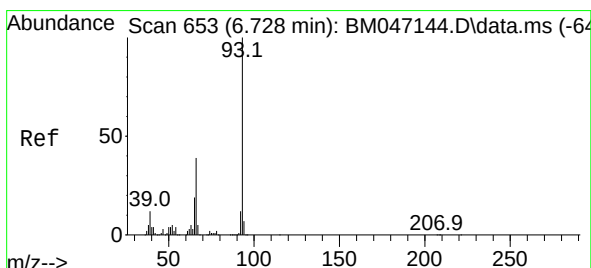
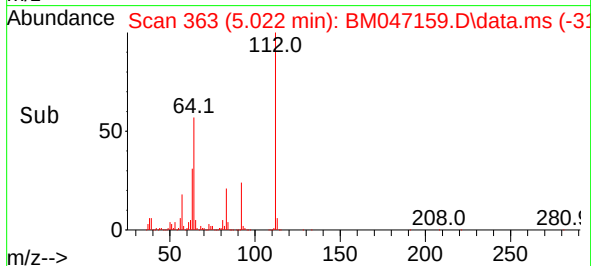
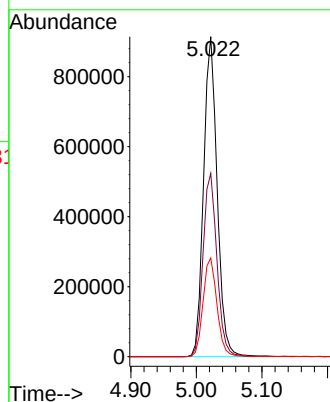
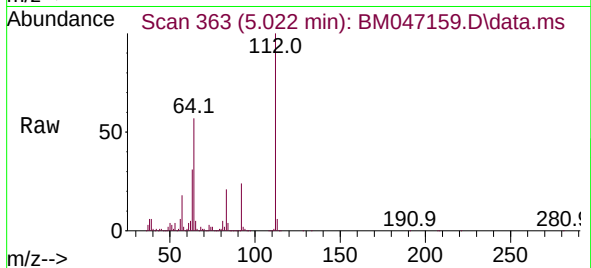




#5
2-Fluorophenol
Concen: 92.919 ng
RT: 5.022 min Scan# 363
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

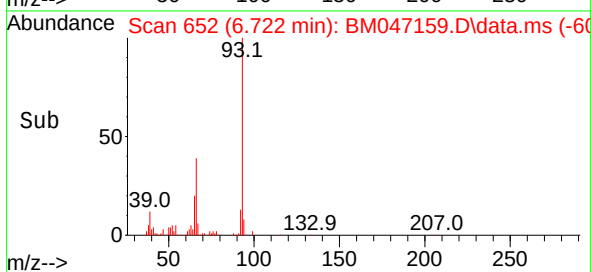
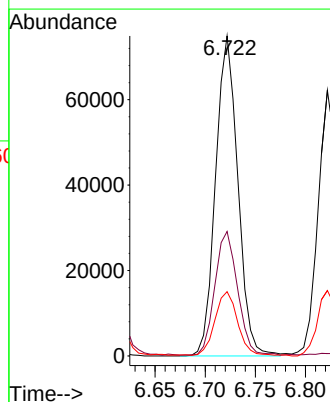
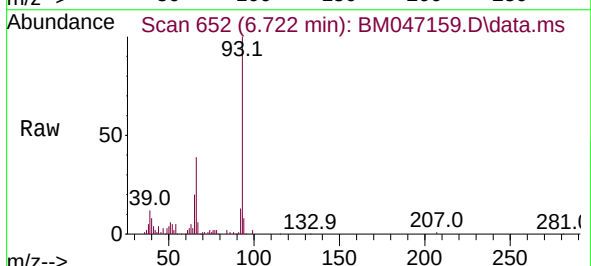
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

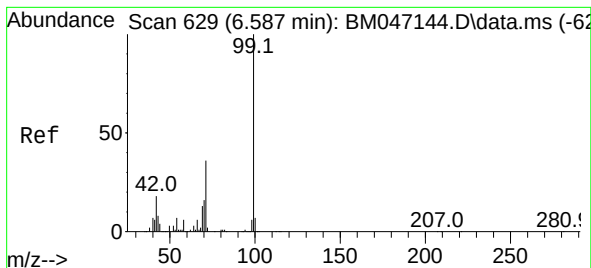
Tgt Ion:112 Resp: 1320829
Ion Ratio Lower Upper
112 100
64 57.3 46.7 70.1
63 30.9 24.8 37.2



#6
Aniline
Concen: 6.245 ng
RT: 6.722 min Scan# 652
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

Tgt Ion: 93 Resp: 115611
Ion Ratio Lower Upper
93 100
66 38.9 31.4 47.2
65 20.1 15.6 23.4





#7

Phenol-d6

Concen: 92.766 ng

RT: 6.581 min Scan# 61

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

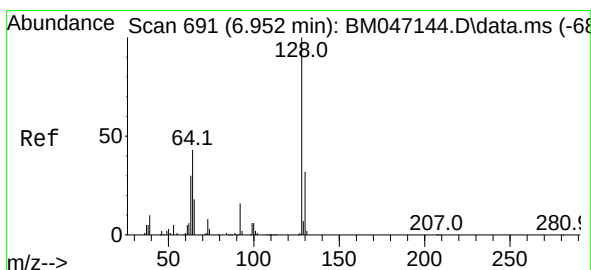
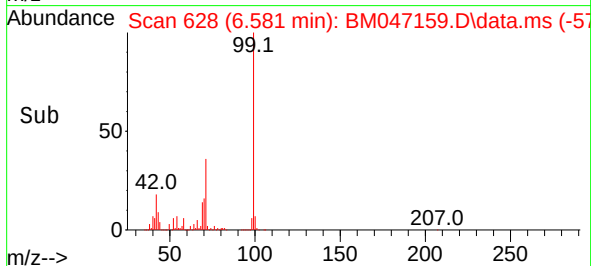
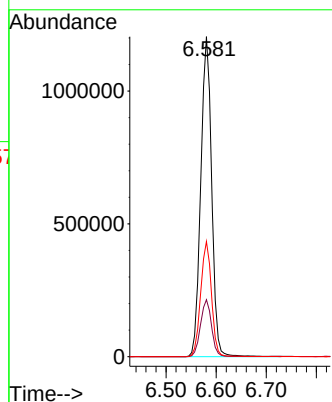
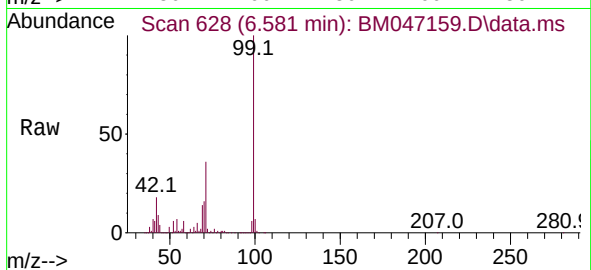
Tgt Ion: 99 Resp: 1816989

Ion Ratio Lower Upper

99 100

42 17.8 14.1 21.1

71 36.0 28.5 42.7



#8

2-Chlorophenol

Concen: 5.023 ng

RT: 6.945 min Scan# 690

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

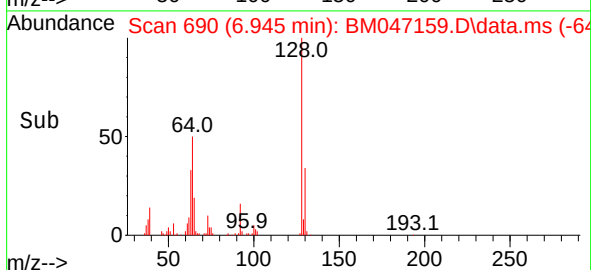
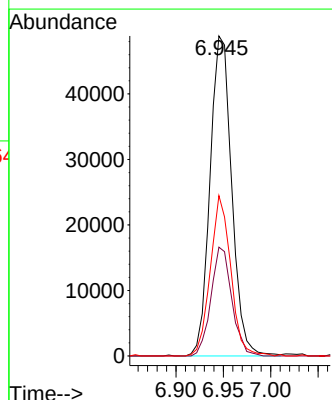
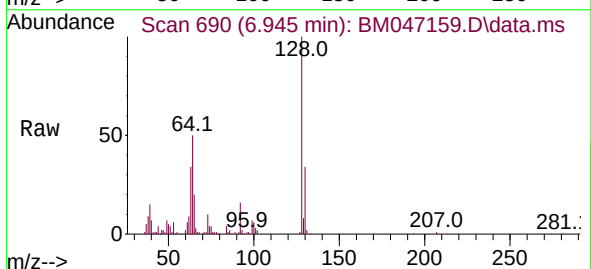
Tgt Ion: 128 Resp: 77879

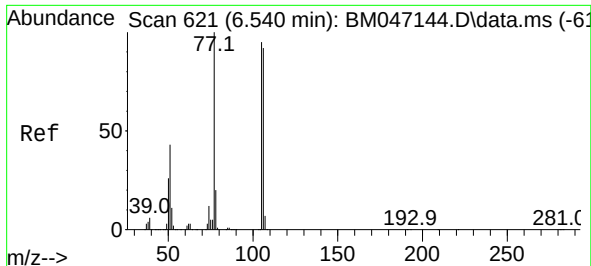
Ion Ratio Lower Upper

128 100

130 34.0 12.1 52.1

64 50.1 26.6 66.6

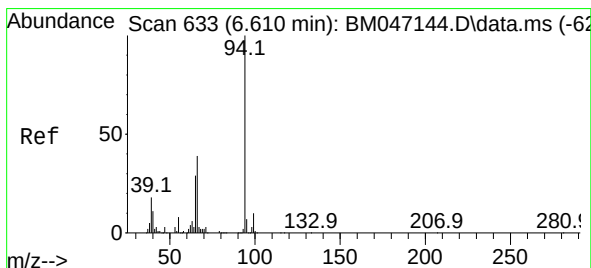
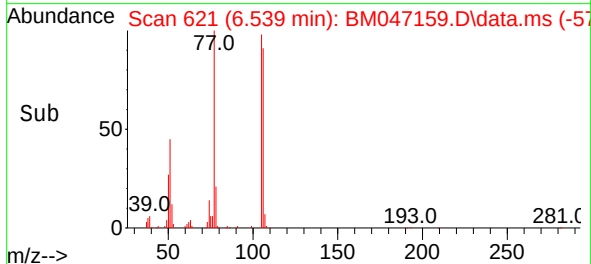
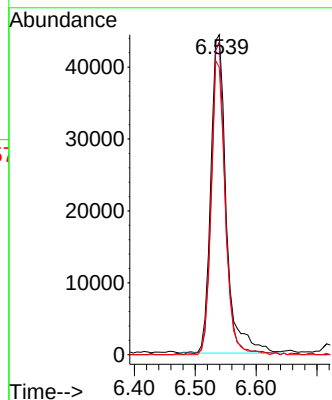
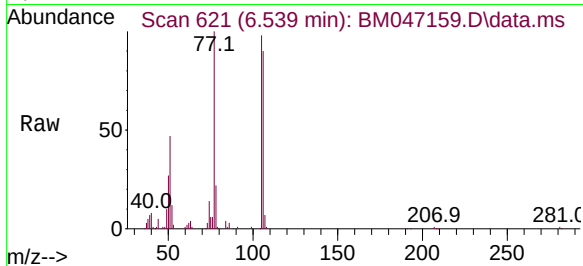




#9
Benzaldehyde
Concen: 5.259 ng
RT: 6.539 min Scan# 61
Delta R.T. -0.001 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

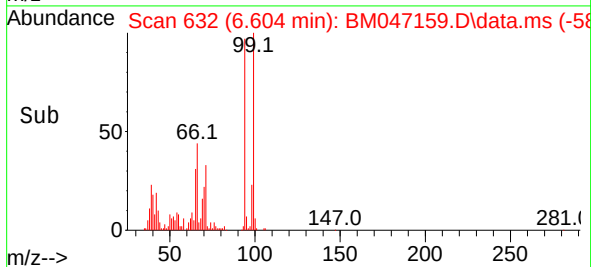
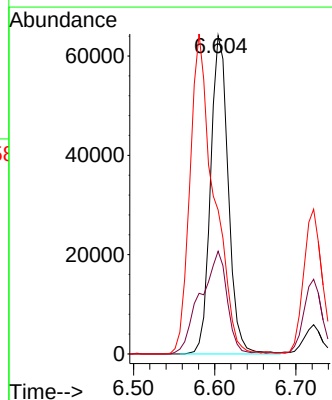
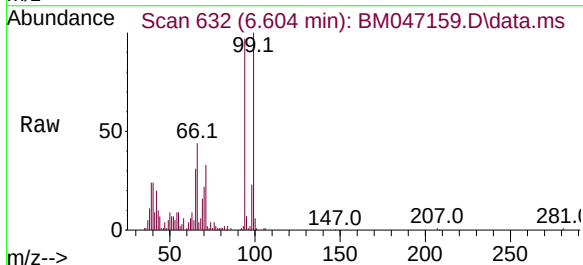
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

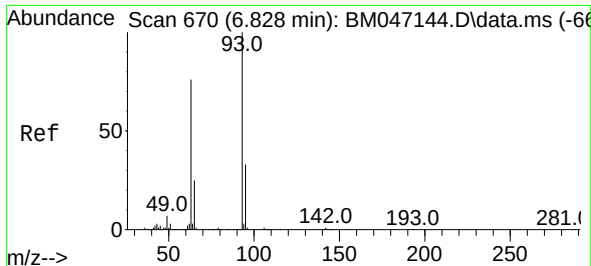
Tgt Ion: 77 Resp: 78548
Ion Ratio Lower Upper
77 100
105 97.6 74.5 114.5
106 89.8 72.3 112.3



#10
Phenol
Concen: 4.976 ng
RT: 6.604 min Scan# 632
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

Tgt Ion: 94 Resp: 97257
Ion Ratio Lower Upper
94 100
65 32.3 9.0 49.0
66 45.2 18.9 58.9

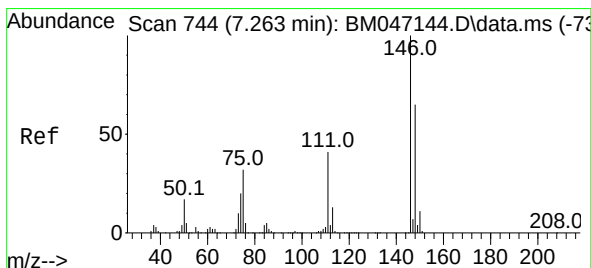
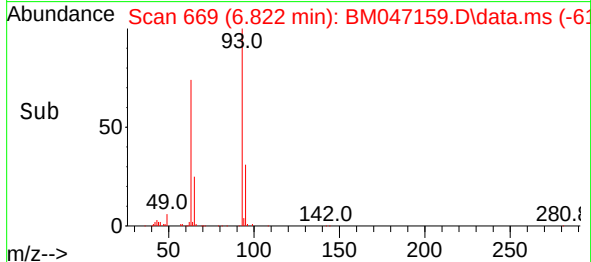
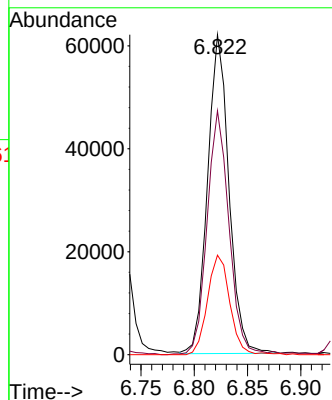
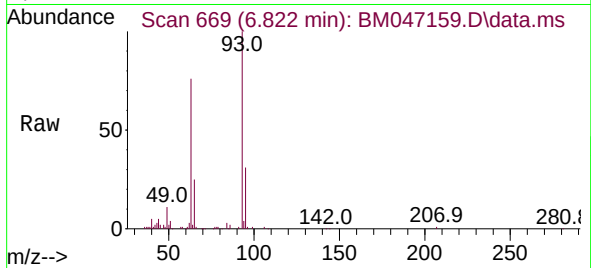




#11
bis(2-Chloroethyl)ether
Concen: 5.183 ng
RT: 6.822 min Scan# 670
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

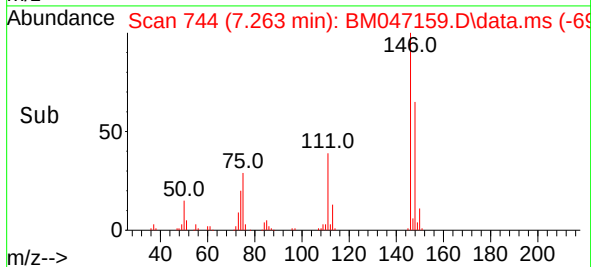
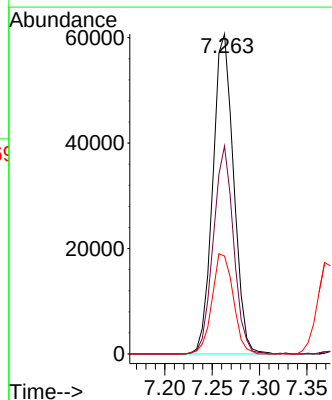
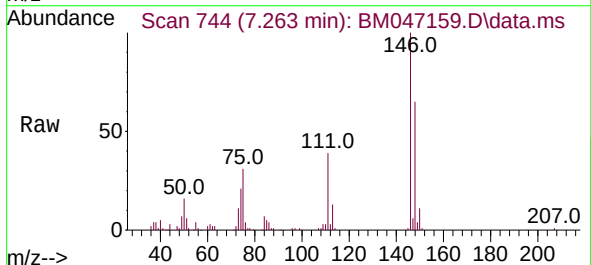
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

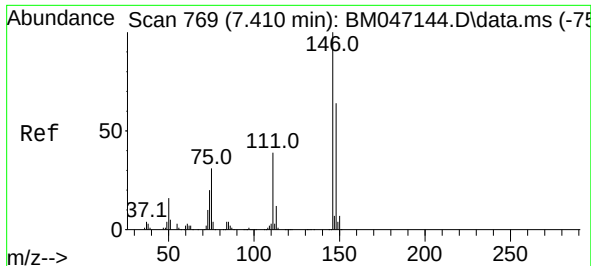
Tgt Ion: 93 Resp: 86757
Ion Ratio Lower Upper
93 100
63 76.2 55.8 95.8
95 31.1 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 5.029 ng
RT: 7.263 min Scan# 744
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

Tgt Ion:146 Resp: 92648
Ion Ratio Lower Upper
146 100
148 65.0 52.3 78.5
75 30.6 25.8 38.6

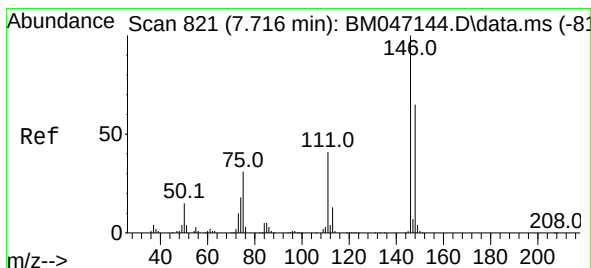
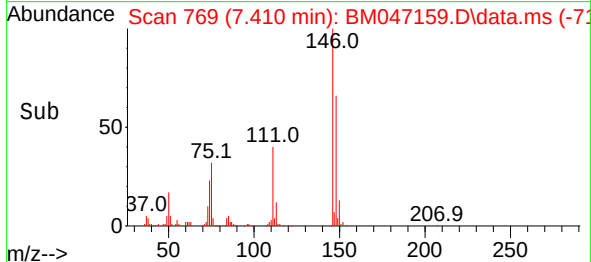
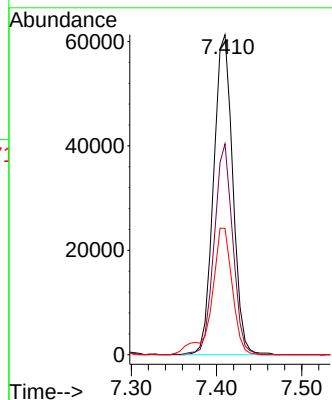
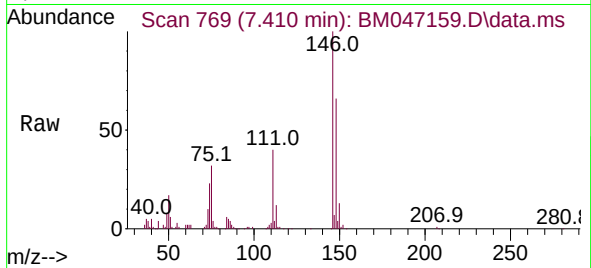




#13
1,4-Dichlorobenzene
Concen: 5.130 ng
RT: 7.410 min Scan# 769
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

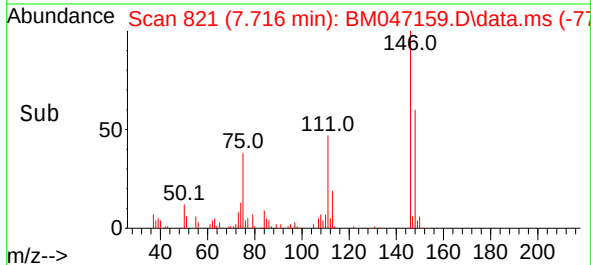
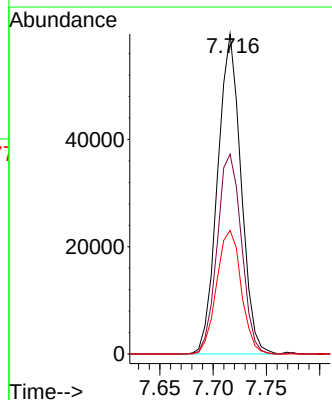
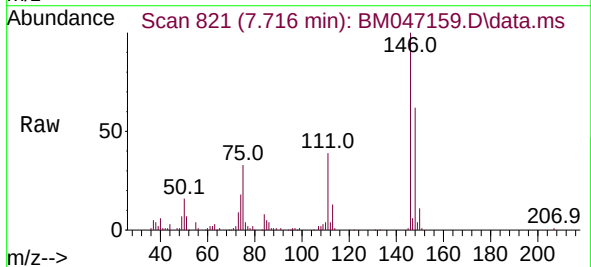
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

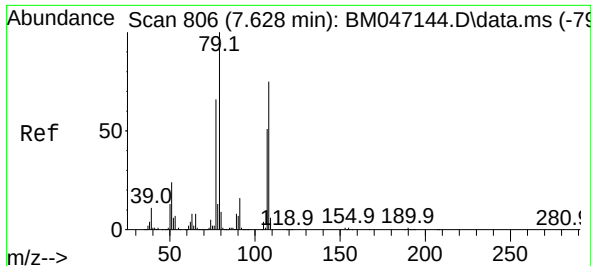
Tgt Ion:146 Resp: 95691
Ion Ratio Lower Upper
146 100
148 65.9 51.4 77.2
111 39.5 31.5 47.3



#14
1,2-Dichlorobenzene
Concen: 5.174 ng
RT: 7.716 min Scan# 821
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

Tgt Ion:146 Resp: 91067
Ion Ratio Lower Upper
146 100
148 62.4 51.8 77.8
111 38.6 33.3 49.9

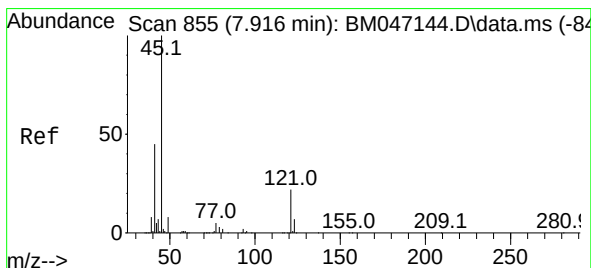
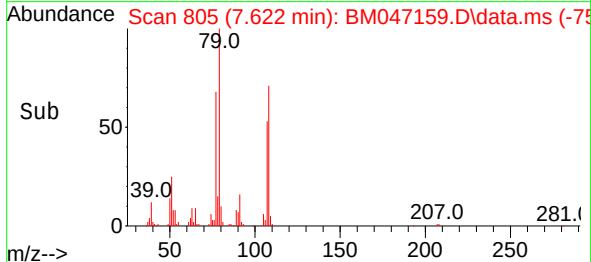
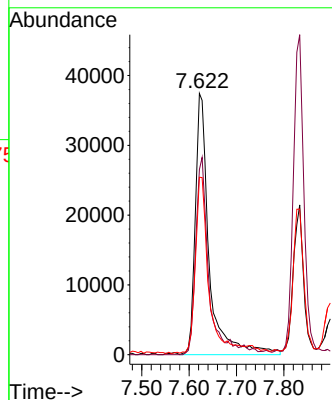
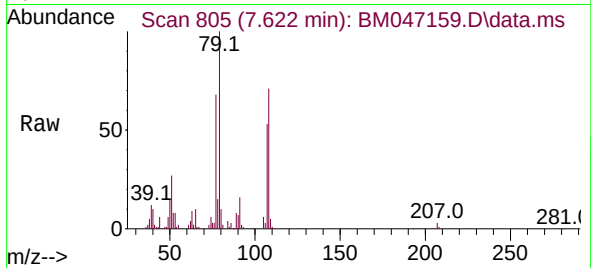




#15
Benzyl Alcohol
Concen: 5.487 ng
RT: 7.622 min Scan# 805
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

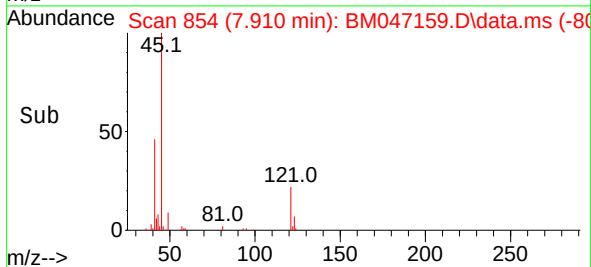
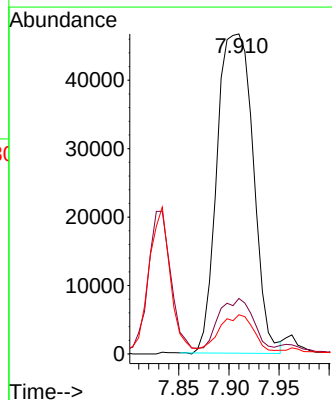
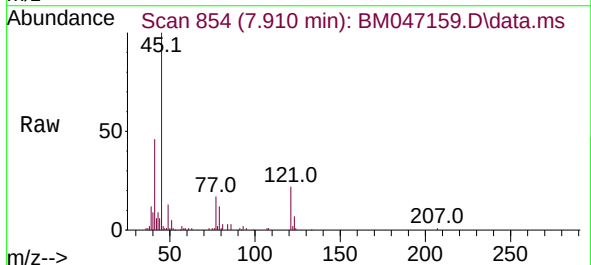
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

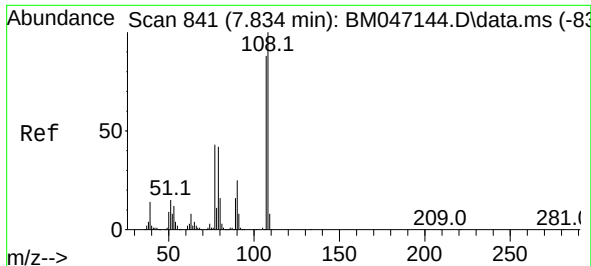
Tgt Ion: 79 Resp: 76493
Ion Ratio Lower Upper
79 100
108 70.9 59.7 89.5
77 67.9 52.9 79.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.435 ng
RT: 7.910 min Scan# 854
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

Tgt Ion: 45 Resp: 116724
Ion Ratio Lower Upper
45 100
77 17.3 0.0 35.6
79 12.2 0.0 32.4

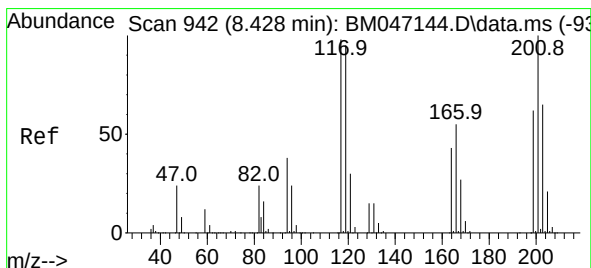
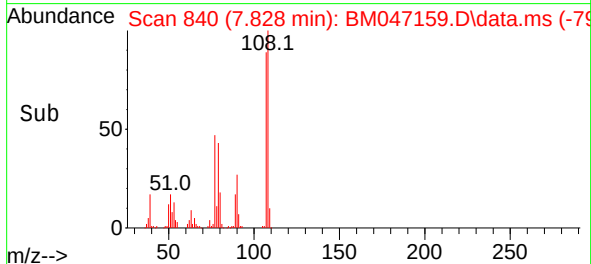
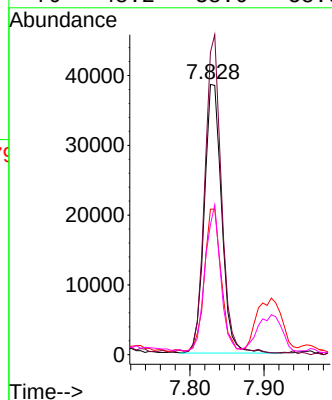
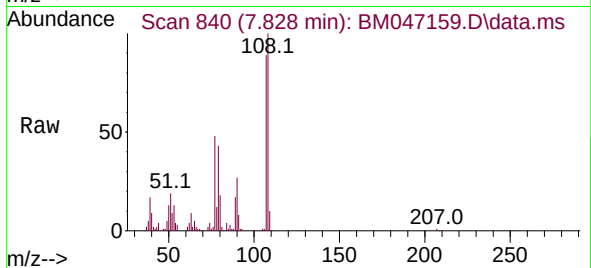




#17
2-Methylphenol
Concen: 4.796 ng
RT: 7.828 min Scan# 841
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

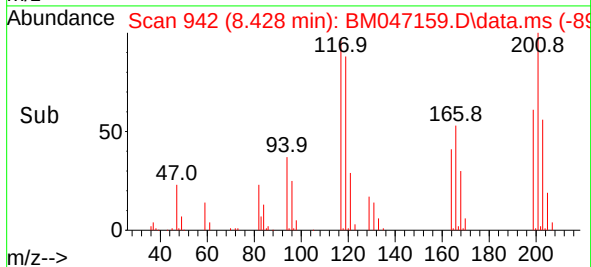
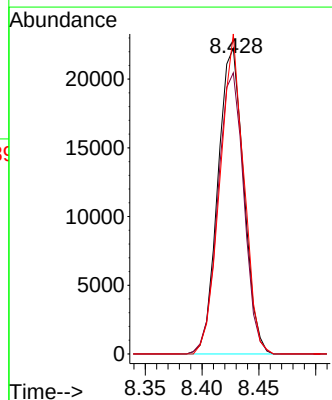
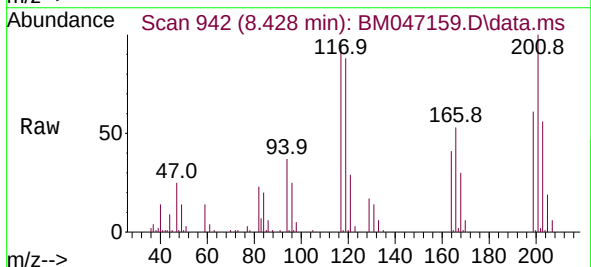
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

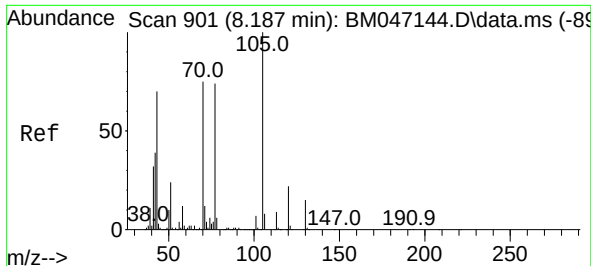
Tgt Ion:	107	Resp:	62534
Ion	Ratio	Lower	Upper
107	100		
108	111.9	90.6	135.8
77	53.8	39.3	58.9
79	48.2	38.6	58.0



#18
Hexachloroethane
Concen: 4.873 ng
RT: 8.428 min Scan# 942
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

Tgt Ion:	117	Resp:	35209
Ion	Ratio	Lower	Upper
117	100		
119	92.0	77.0	115.4
201	104.7	81.3	121.9

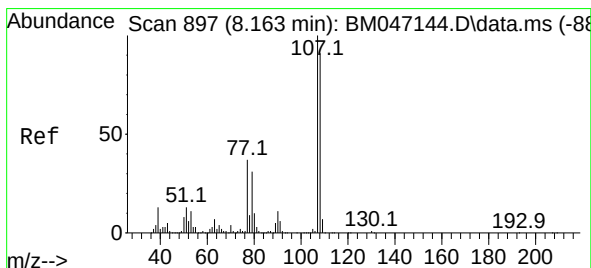
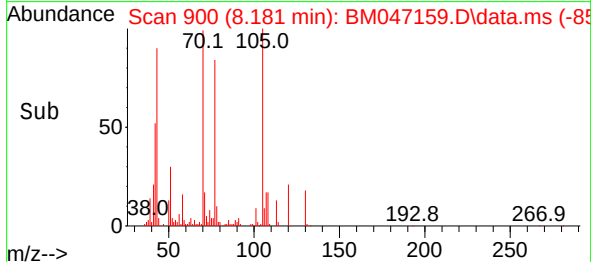
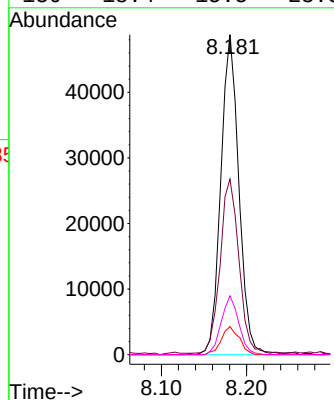
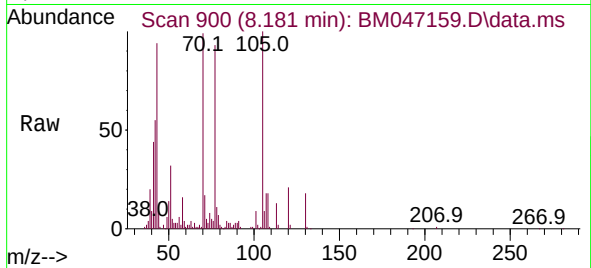




#19
n-Nitroso-di-n-propylamine
Concen: 5.446 ng
RT: 8.181 min Scan# 901
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

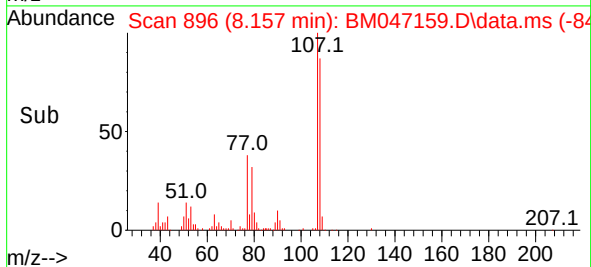
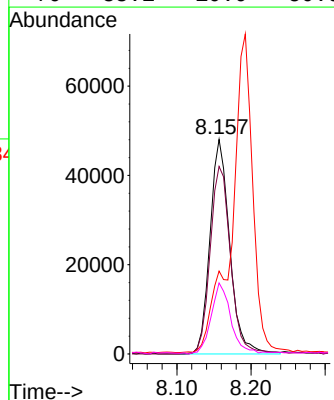
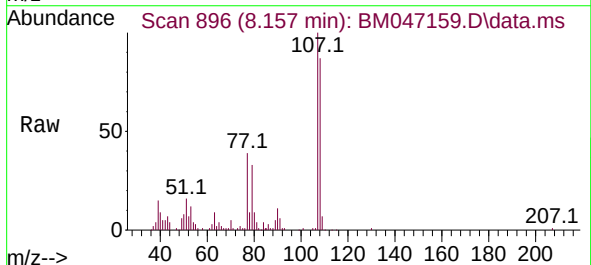
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

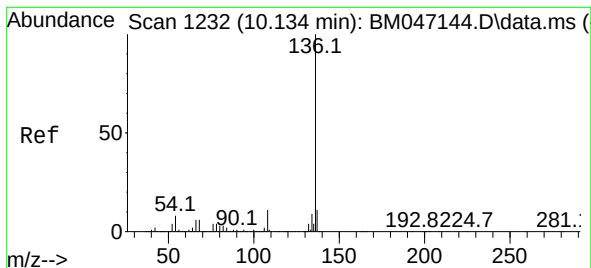
Tgt Ion:	70	Resp:	71856
Ion	Ratio	Lower	Upper
70	100		
42	54.9	42.0	63.0
101	8.8	7.2	10.8
130	18.4	15.5	23.3



#20
3+4-Methylphenols
Concen: 4.868 ng
RT: 8.157 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

Tgt Ion:	107	Resp:	88734
Ion	Ratio	Lower	Upper
107	100		
108	87.4	70.7	110.7
77	38.6	17.4	57.4
79	33.1	10.9	50.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.127 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:136 Resp: 1065262

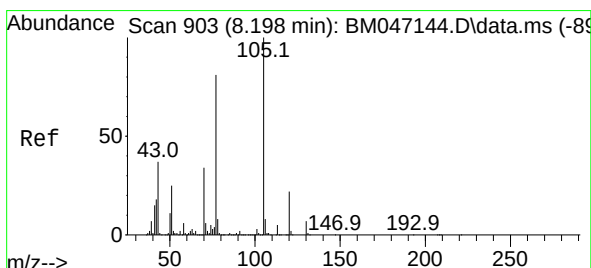
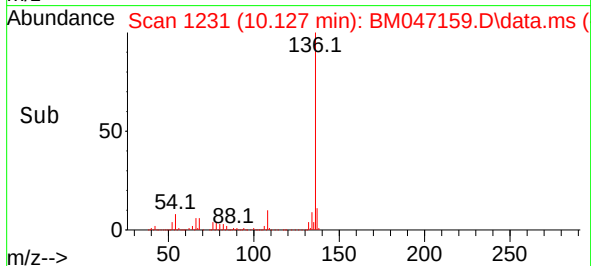
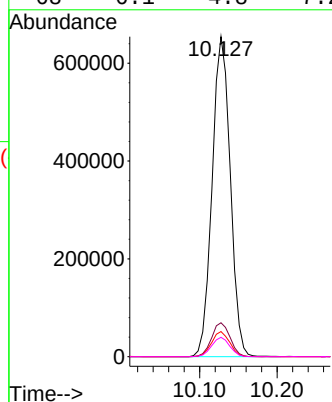
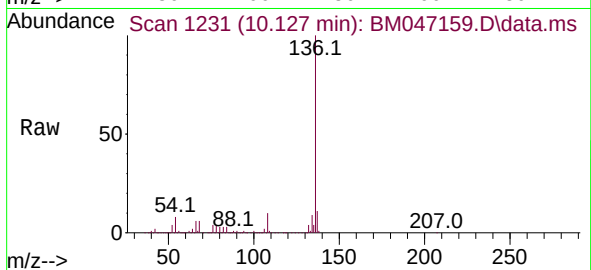
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 7.9 6.0 9.0

68 6.1 4.8 7.2



#22

Acetophenone

Concen: 5.380 ng

RT: 8.192 min Scan# 902

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Tgt Ion:105 Resp: 138336

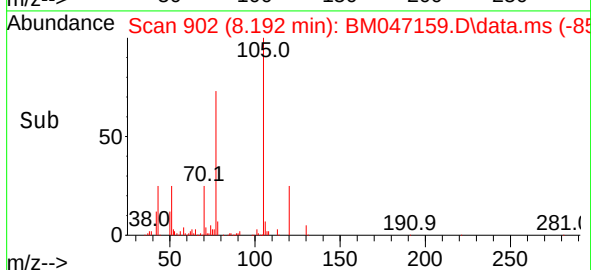
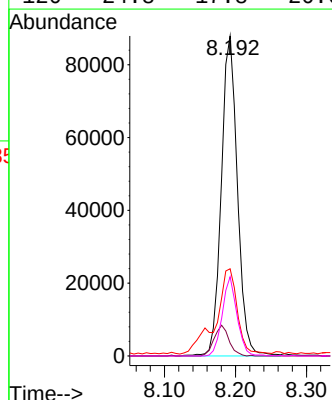
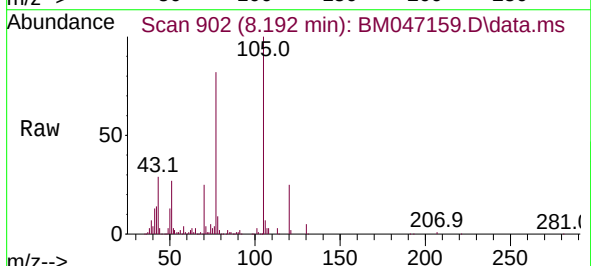
Ion Ratio Lower Upper

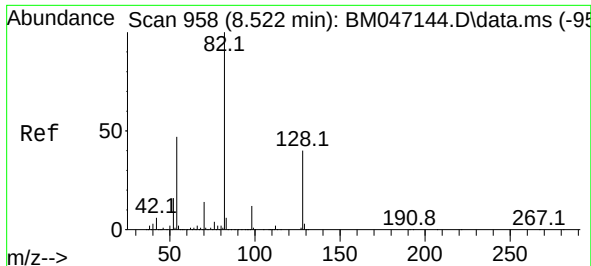
105 100

71 4.0 4.5 6.7#

51 27.2 20.1 30.1

120 24.8 17.8 26.6





#23

Nitrobenzene-d5

Concen: 78.808 ng

RT: 8.522 min Scan# 958

Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

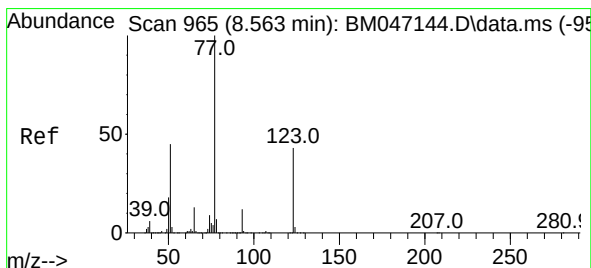
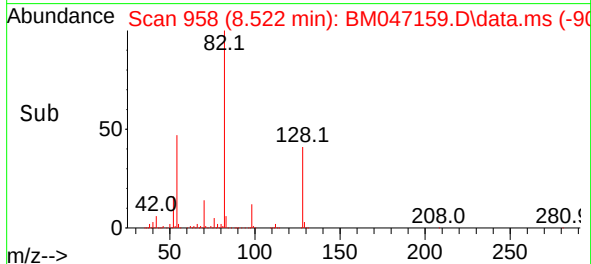
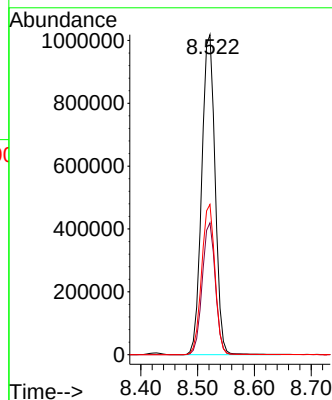
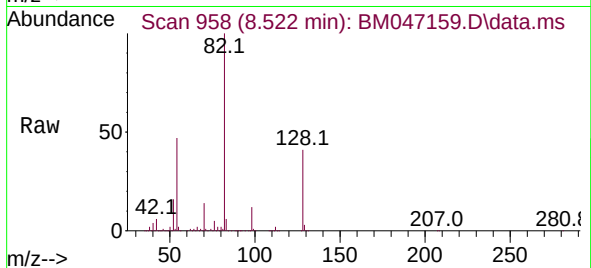
BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion: 82 Resp: 1667239

Ion	Ratio	Lower	Upper
82	100		
128	41.2	32.3	48.5
54	46.9	37.4	56.2



#24

Nitrobenzene

Concen: 5.200 ng

RT: 8.557 min Scan# 964

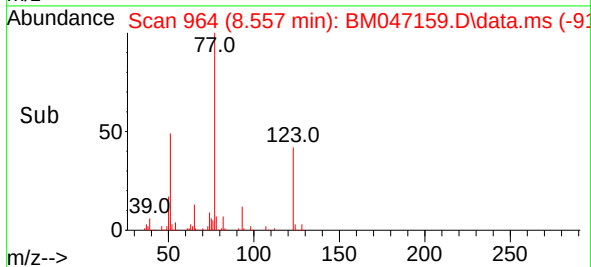
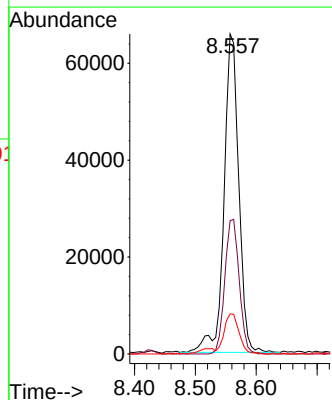
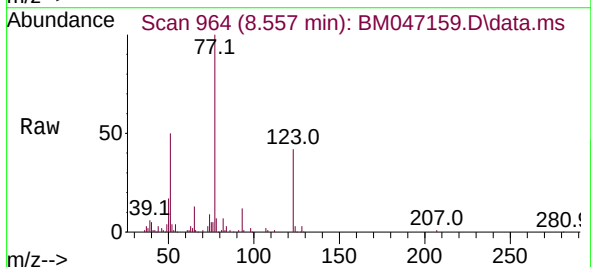
Delta R.T. -0.006 min

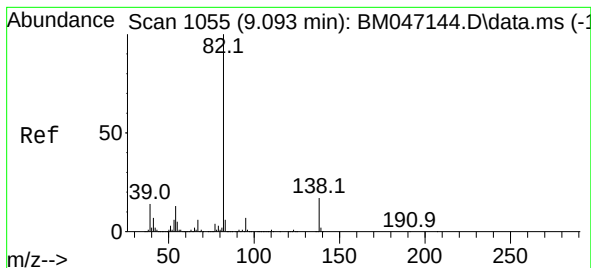
Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Tgt Ion: 77 Resp: 110772

Ion	Ratio	Lower	Upper
77	100		
123	41.6	34.0	51.0
65	12.5	10.5	15.7





#25

Isophorone

Concen: 5.137 ng

RT: 9.086 min Scan# 1054

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

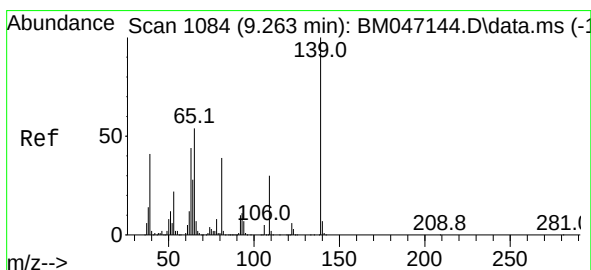
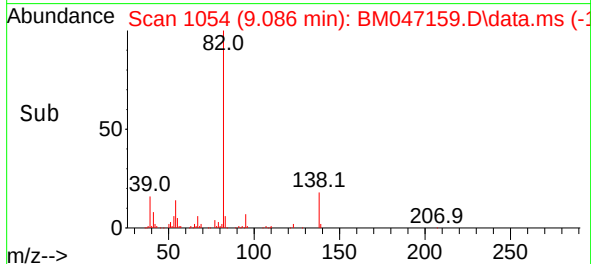
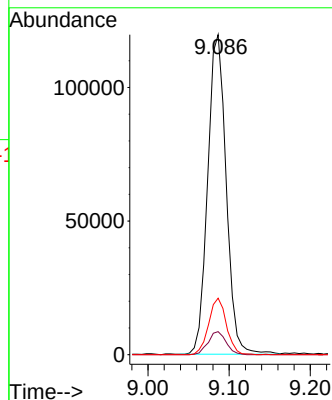
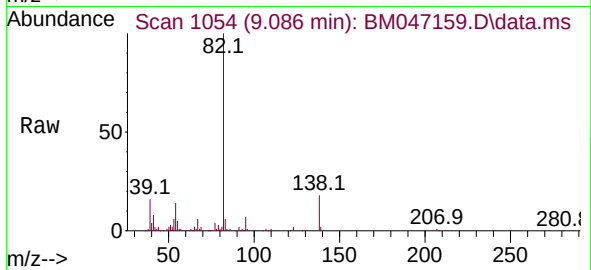
Tgt Ion: 82 Resp: 189210

Ion Ratio Lower Upper

82 100

95 7.2 5.5 8.3

138 17.6 13.5 20.3



#26

2-Nitrophenol

Concen: 4.179 ng

RT: 9.263 min Scan# 1084

Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

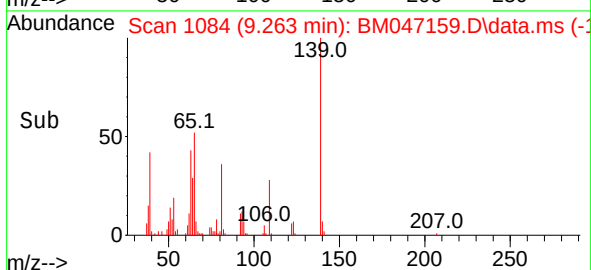
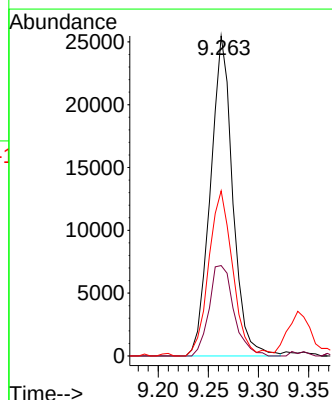
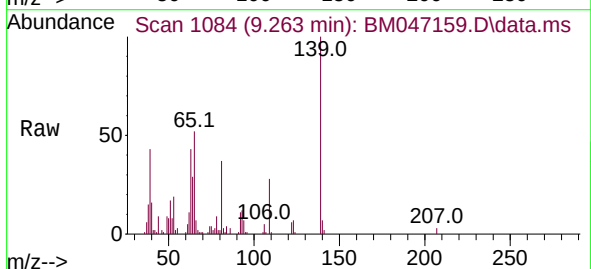
Tgt Ion:139 Resp: 39430

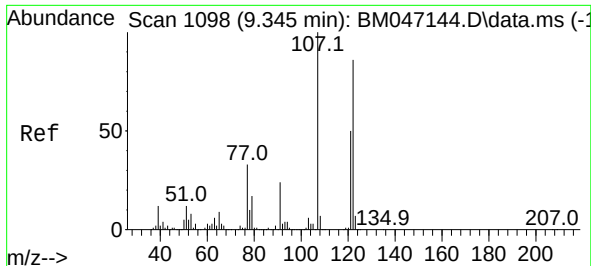
Ion Ratio Lower Upper

139 100

109 28.3 24.4 36.6

65 51.6 43.0 64.6

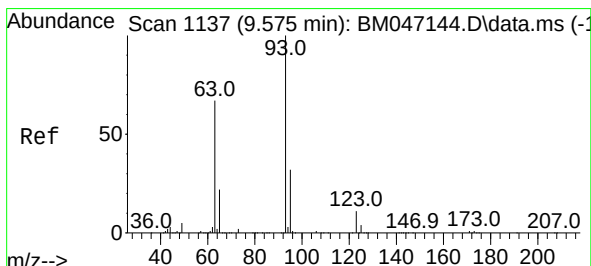
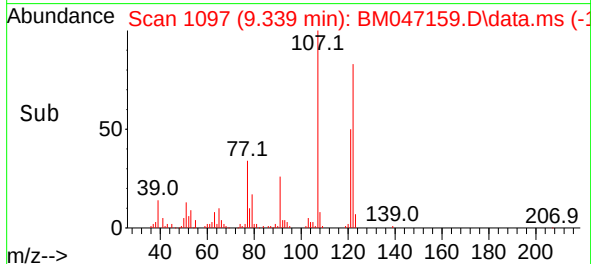
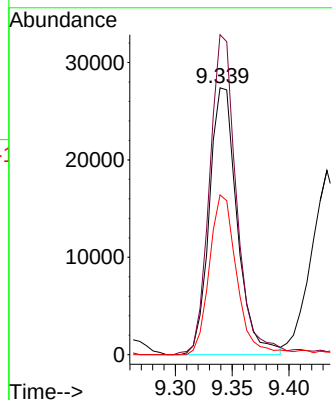
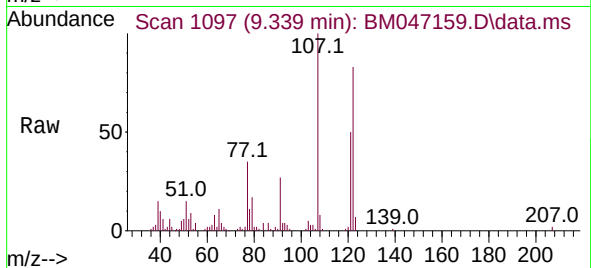




#27
2,4-Dimethylphenol
Concen: 4.233 ng
RT: 9.339 min Scan# 1097
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

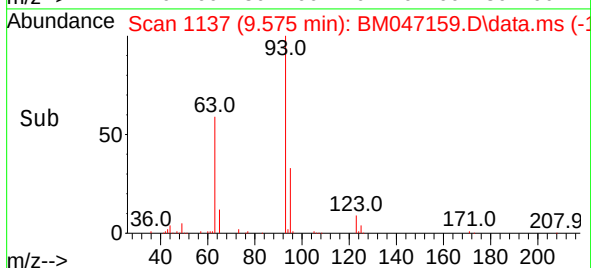
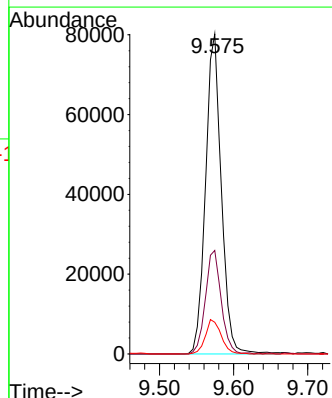
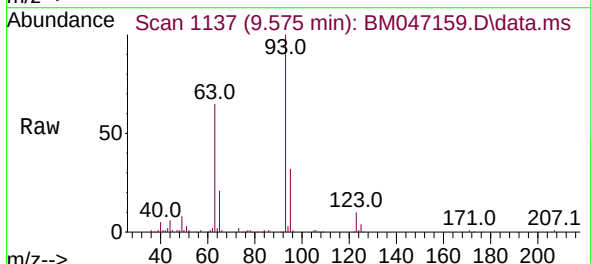
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

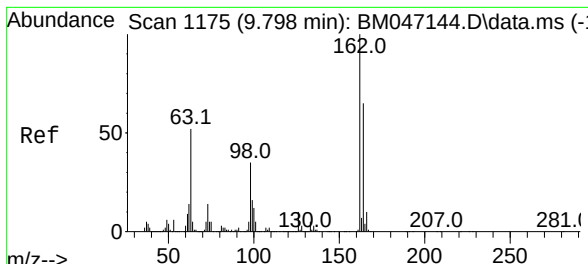
Tgt Ion:122 Resp: 46775
Ion Ratio Lower Upper
122 100
107 119.9 92.8 139.2
121 59.9 46.1 69.1



#28
bis(2-Chloroethoxy)methane
Concen: 5.114 ng
RT: 9.575 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

Tgt Ion: 93 Resp: 118526
Ion Ratio Lower Upper
93 100
95 32.3 25.8 38.8
123 9.9 9.0 13.4

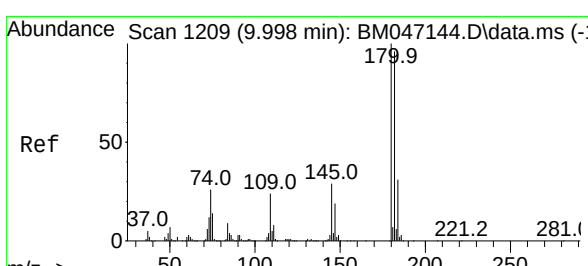
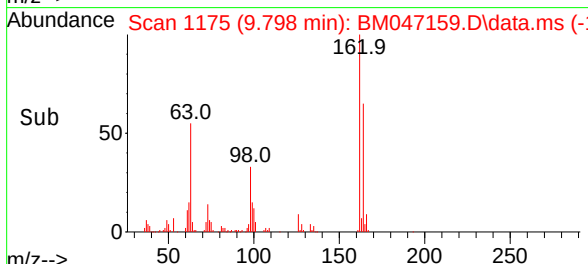
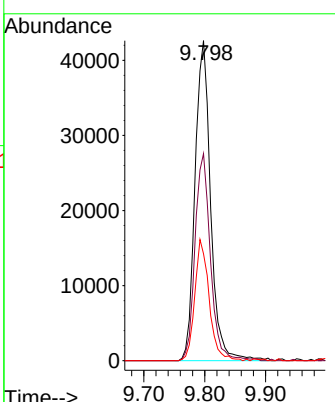
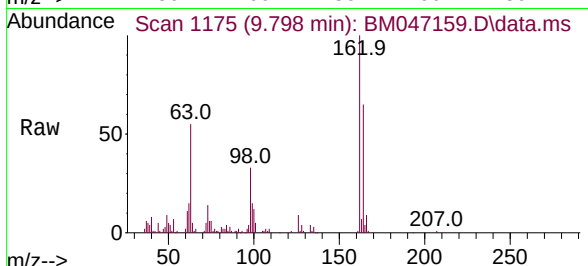




#29
2,4-Dichlorophenol
Concen: 4.624 ng
RT: 9.798 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

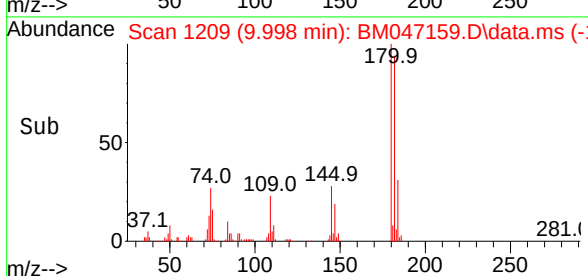
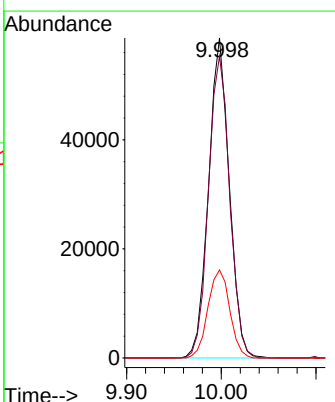
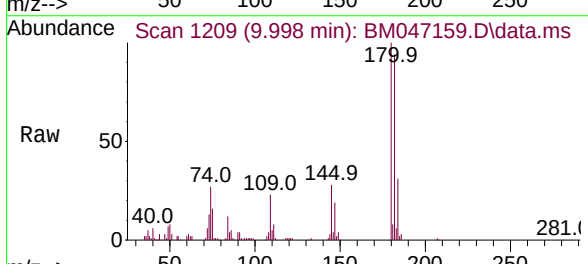
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT3-2024

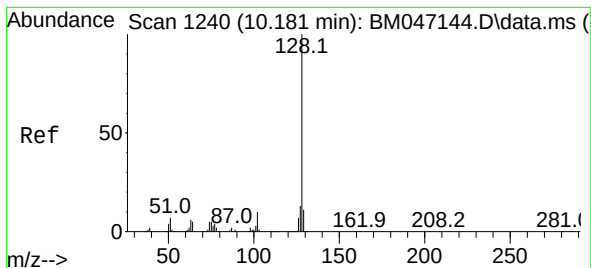
Tgt Ion:	162	Resp:	75826
Ion Ratio	Lower	Upper	
162	100		
164	64.7	44.7	84.7
98	33.4	14.9	54.9



#30
1,2,4-Trichlorobenzene
Concen: 4.798 ng
RT: 9.998 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

Tgt Ion:	180	Resp:	89033
Ion Ratio	Lower	Upper	
180	100		
182	94.3	76.6	115.0
145	27.5	23.4	35.2





#31

Naphthalene

Concen: 5.088 ng

RT: 10.175 min Scan# 1113

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

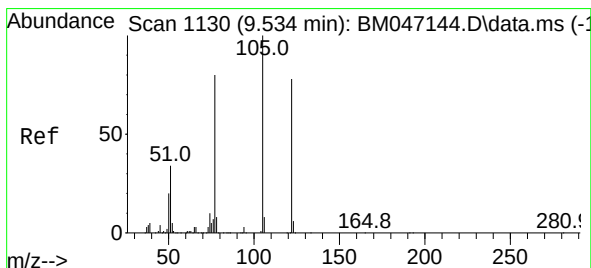
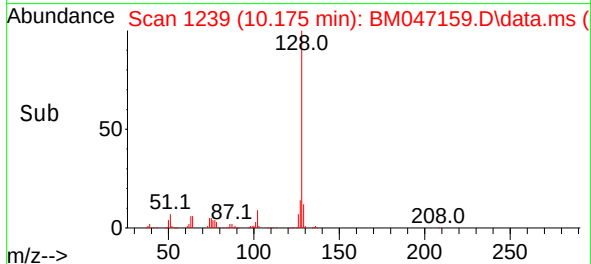
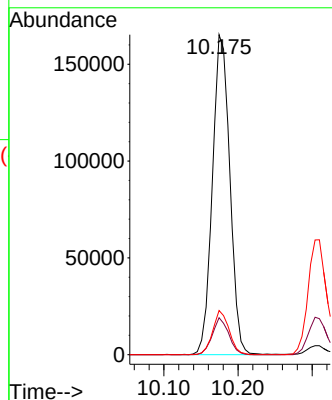
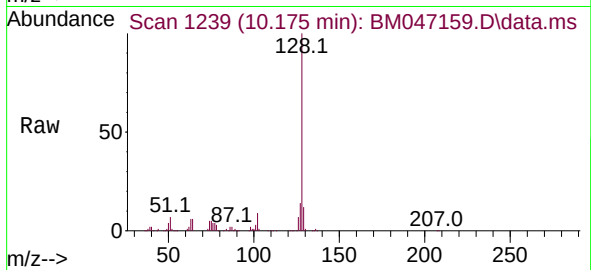
Tgt Ion:128 Resp: 270019

Ion Ratio Lower Upper

128 100

129 11.5 8.6 13.0

127 13.8 10.2 15.4



#32

Benzoic acid

Concen: 2.787 ng

RT: 9.433 min Scan# 1113

Delta R.T. -0.100 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

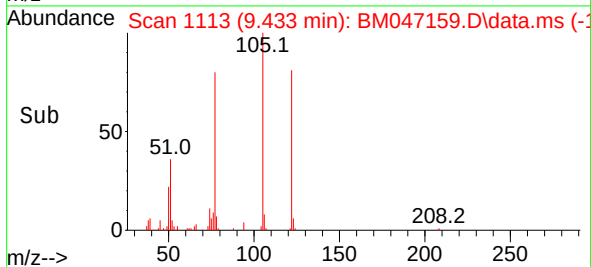
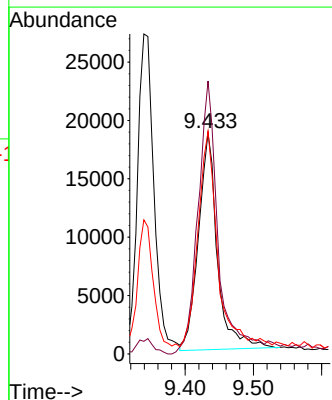
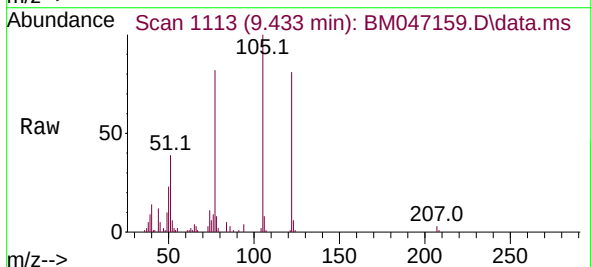
Tgt Ion:122 Resp: 35787

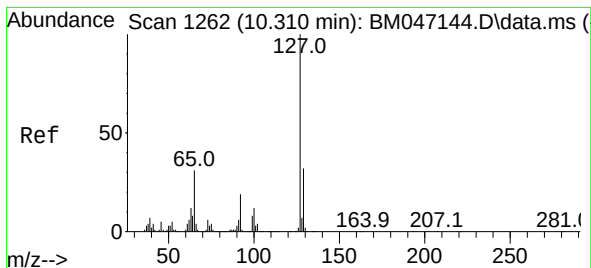
Ion Ratio Lower Upper

122 100

105 123.6 107.1 147.1

77 100.8 82.1 122.1





#33

4-Chloroaniline

Concen: 5.303 ng

RT: 10.310 min Scan# 1262

Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:127 Resp: 108213

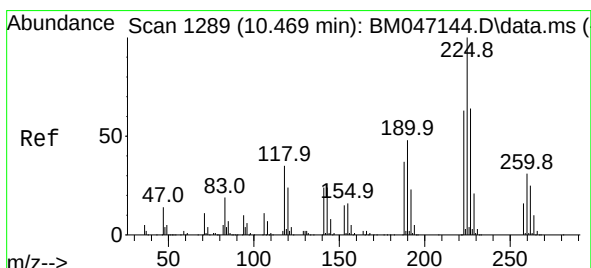
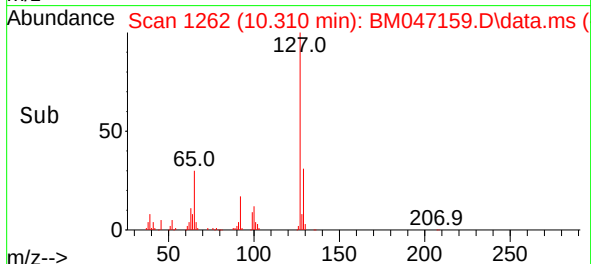
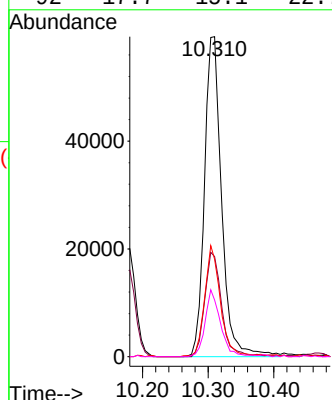
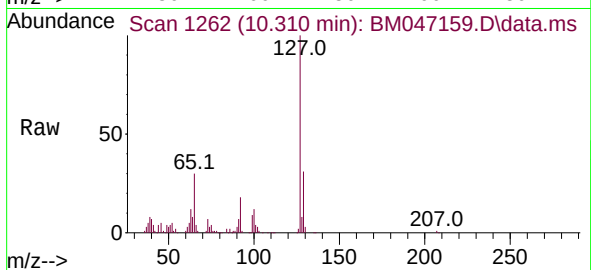
Ion Ratio Lower Upper

127 100

129 31.3 25.8 38.8

65 30.5 24.9 37.3

92 17.7 15.1 22.7



#34

Hexachlorobutadiene

Concen: 4.407 ng

RT: 10.463 min Scan# 1288

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

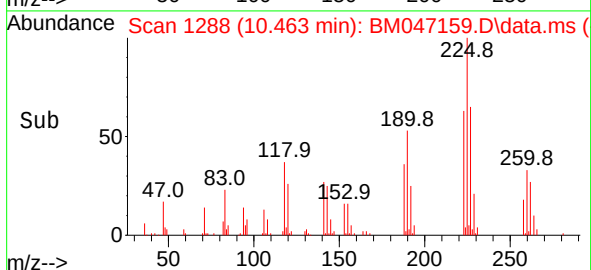
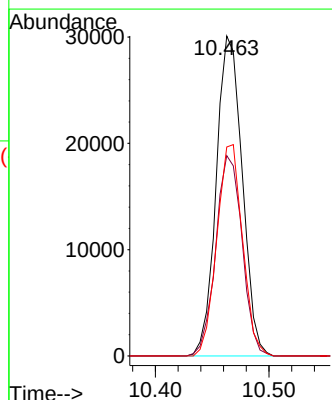
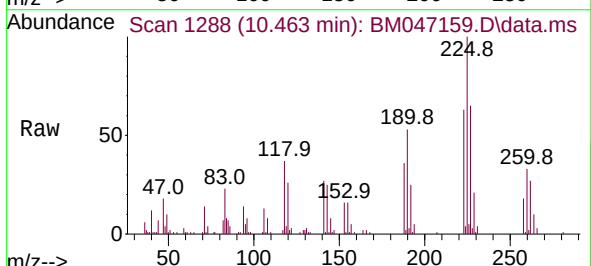
Tgt Ion:225 Resp: 47862

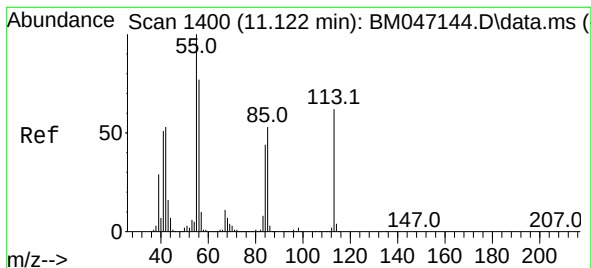
Ion Ratio Lower Upper

225 100

223 62.6 50.2 75.2

227 65.3 51.4 77.0





#35

Caprolactam

Concen: 4.633 ng

RT: 11.086 min Scan# 1400

Delta R.T. -0.036 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

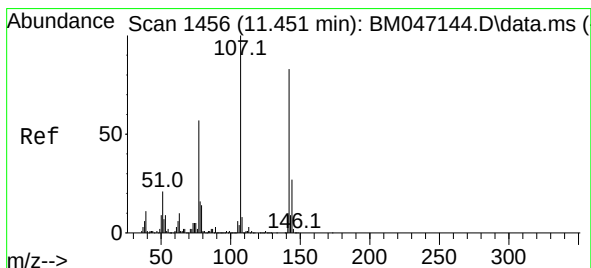
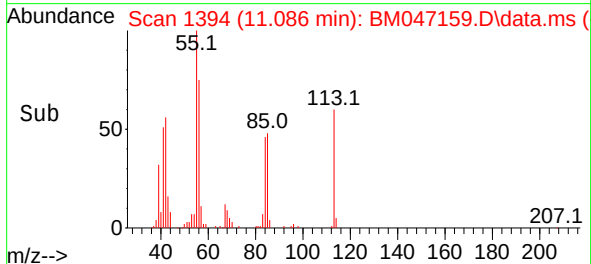
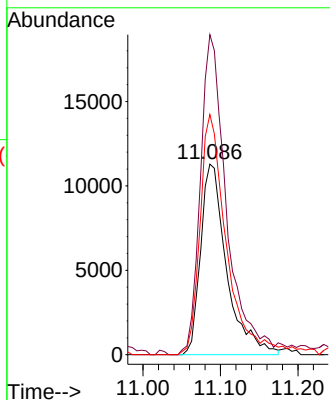
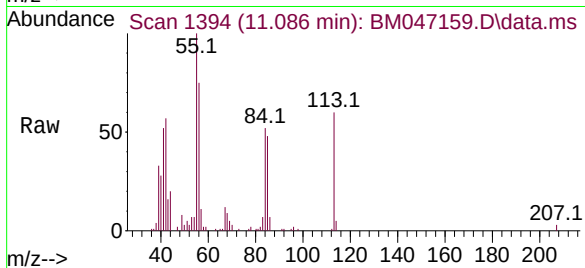
Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:113	Resp:	26384
Ion Ratio	Lower	Upper
113	100	
55	168.0	140.5 180.5
56	126.1	103.6 143.6



#36

4-Chloro-3-methylphenol

Concen: 4.644 ng

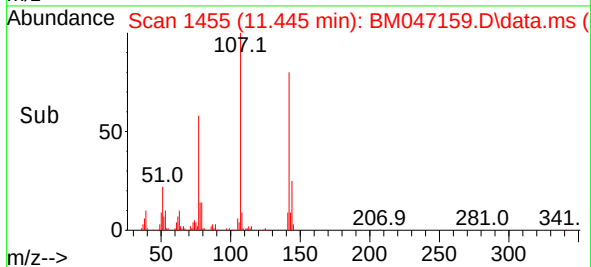
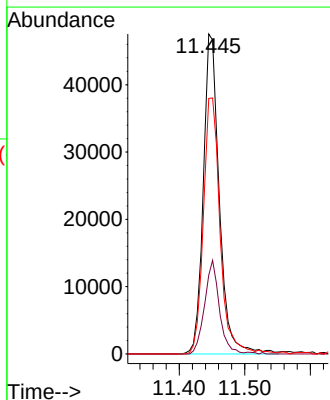
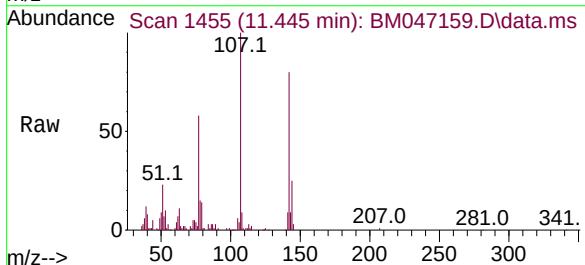
RT: 11.445 min Scan# 1455

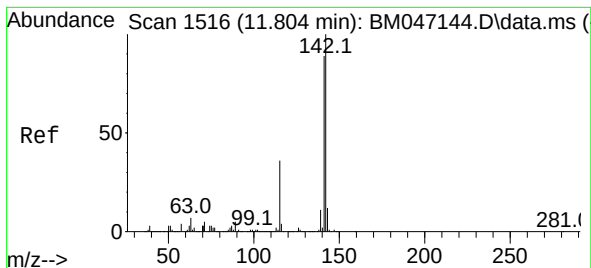
Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Tgt Ion:107	Resp:	81102
Ion Ratio	Lower	Upper
107	100	
144	24.7	21.8 32.6
142	79.8	66.8 100.2





#37

2-Methylnaphthalene

Concen: 4.876 ng

RT: 11.804 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

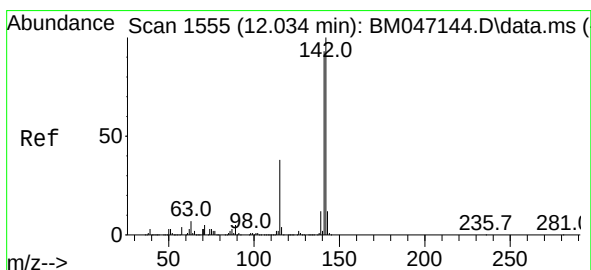
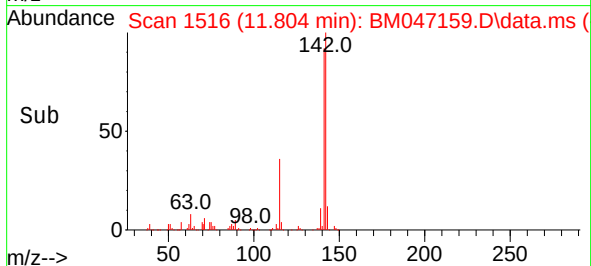
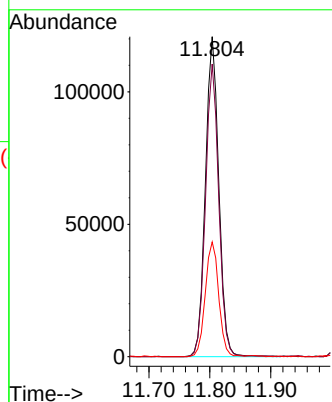
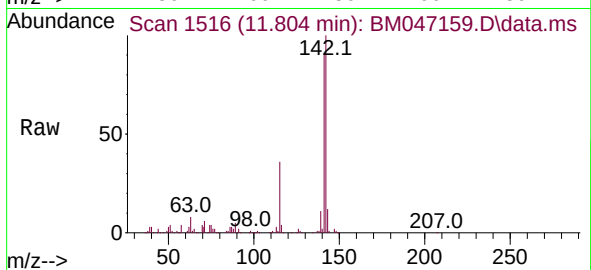
Tgt Ion:142 Resp: 184246

Ion Ratio Lower Upper

142 100

141 91.4 70.9 106.3

115 35.9 28.7 43.1



#38

1-Methylnaphthalene

Concen: 5.002 ng

RT: 12.027 min Scan# 1554

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

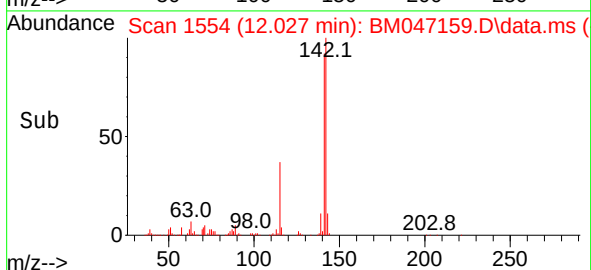
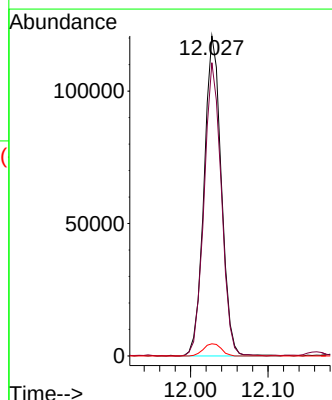
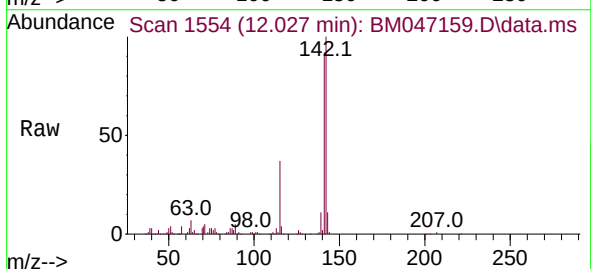
Tgt Ion:142 Resp: 186780

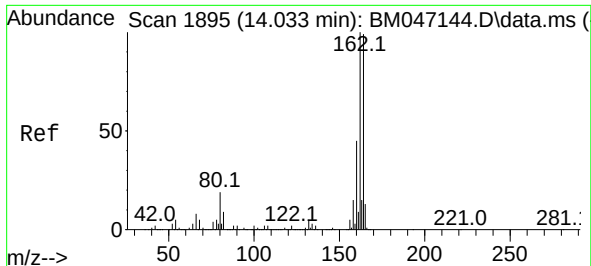
Ion Ratio Lower Upper

142 100

141 91.7 74.6 111.8

116 3.8 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.033 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM047159.D

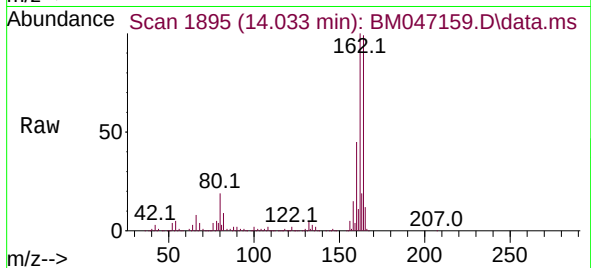
Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024



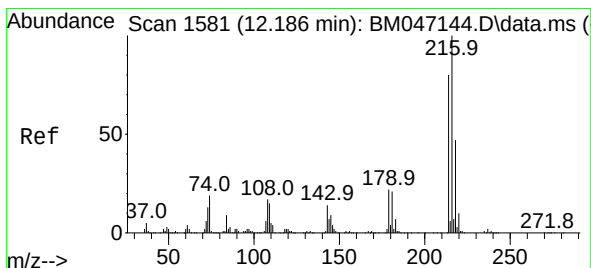
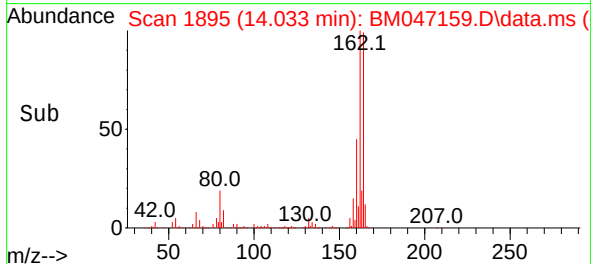
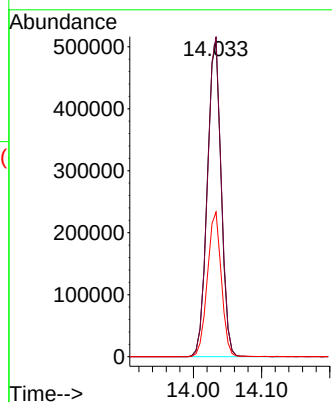
Tgt Ion:164 Resp: 719266

Ion Ratio Lower Upper

164 100

162 101.2 80.7 121.1

160 45.7 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.890 ng

RT: 12.186 min Scan# 1581

Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Tgt Ion:216 Resp: 95936

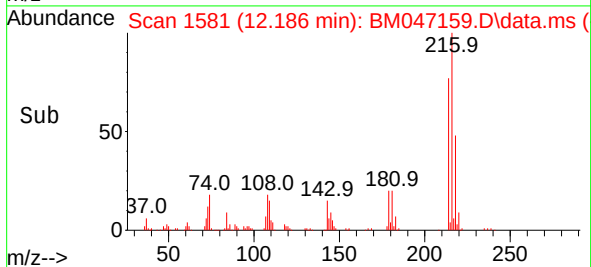
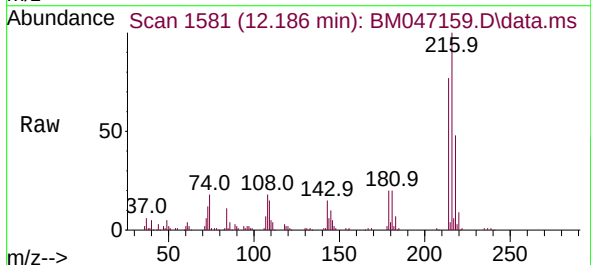
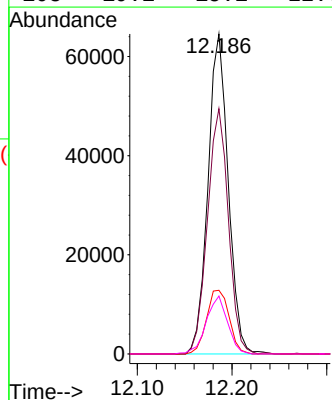
Ion Ratio Lower Upper

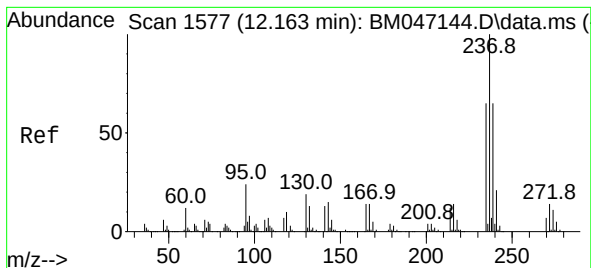
216 100

214 79.1 63.4 95.2

179 22.2 17.6 26.4

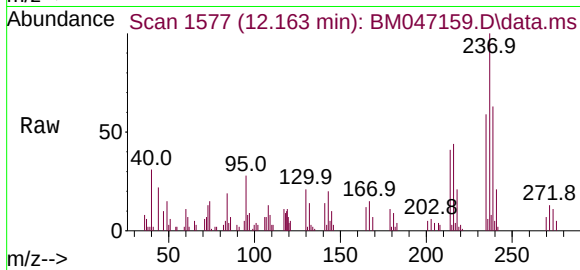
108 19.1 15.1 22.7



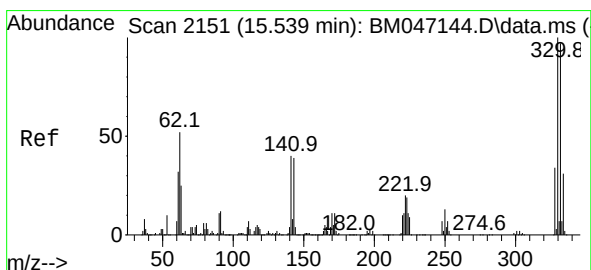
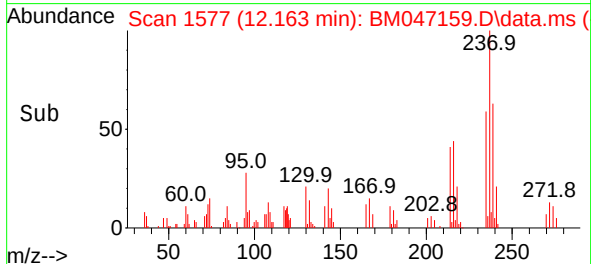
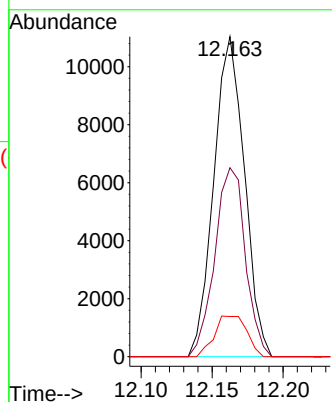


#41
Hexachlorocyclopentadiene
Concen: 2.415 ng
RT: 12.163 min Scan# 1577
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

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

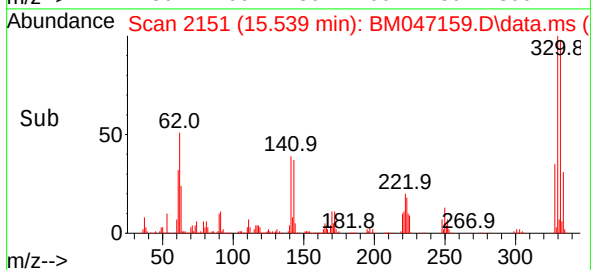
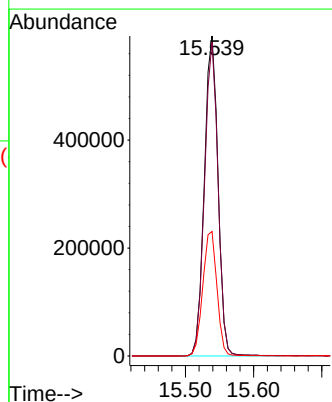
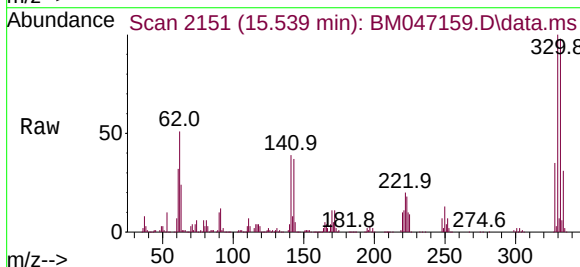


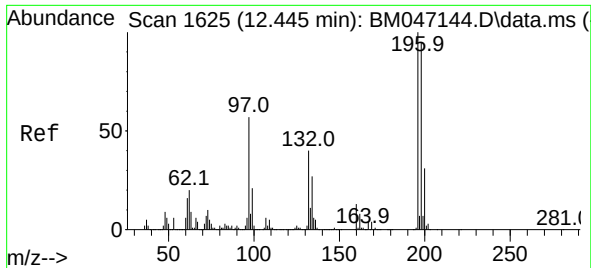
Tgt Ion:237 Resp: 16546
Ion Ratio Lower Upper
237 100
235 59.1 44.8 84.8
272 12.5 0.0 33.5



#42
2,4,6-Tribromophenol
Concen: 99.262 ng
RT: 15.539 min Scan# 2151
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

Tgt Ion:330 Resp: 827845
Ion Ratio Lower Upper
330 100
332 97.0 77.4 116.2
141 40.4 31.6 47.4

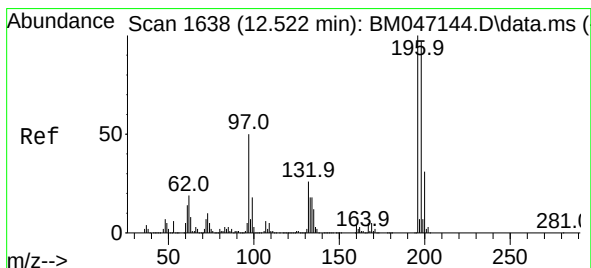
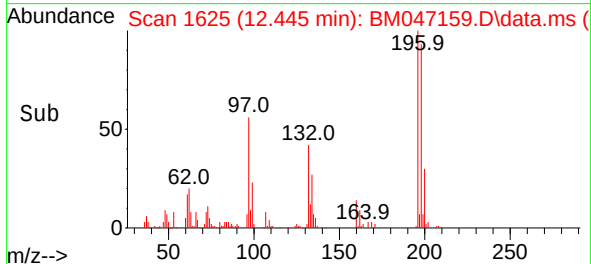
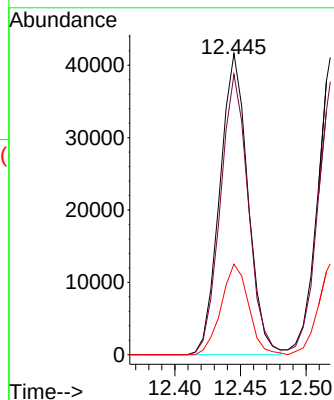
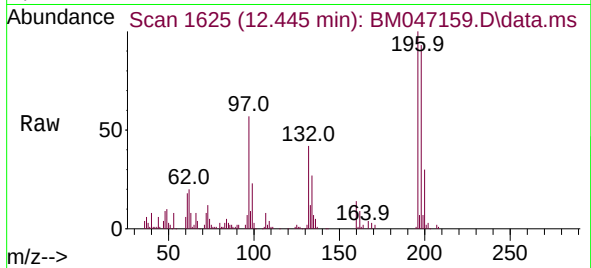




#43
2,4,6-Trichlorophenol
Concen: 4.441 ng
RT: 12.445 min Scan# 1625
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

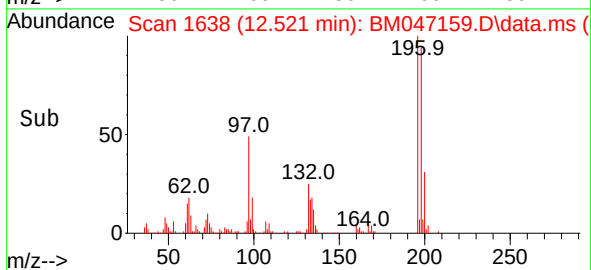
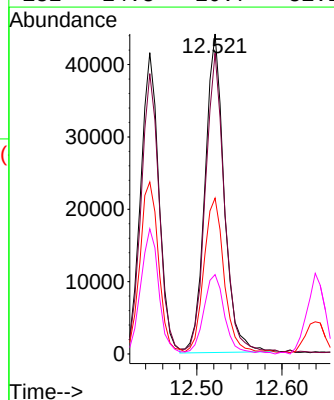
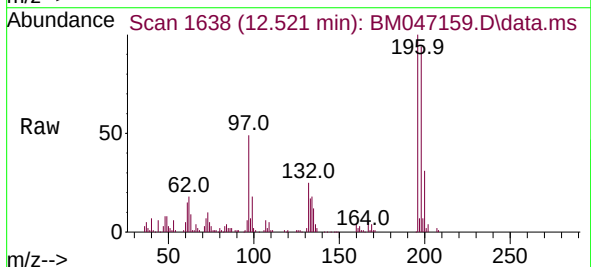
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

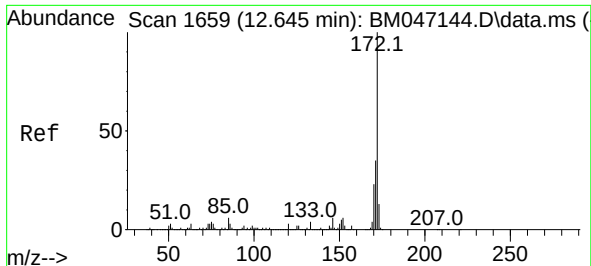
Tgt Ion:196 Resp: 61927
Ion Ratio Lower Upper
196 100
198 93.0 75.6 113.4
200 30.0 24.6 37.0



#44
2,4,5-Trichlorophenol
Concen: 4.450 ng
RT: 12.521 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

Tgt Ion:196 Resp: 68891
Ion Ratio Lower Upper
196 100
198 94.0 77.7 116.5
97 48.7 39.8 59.8
132 24.8 20.7 31.1





#45

2-Fluorobiphenyl

Concen: 78.201 ng

RT: 12.639 min Scan# 1658

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

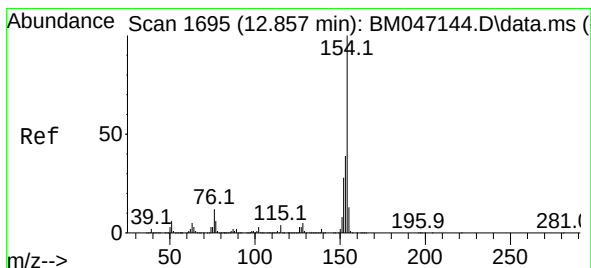
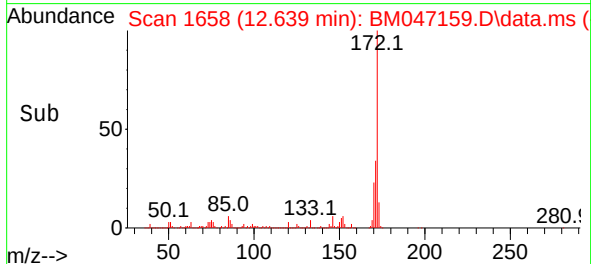
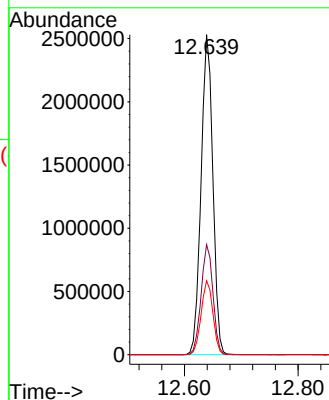
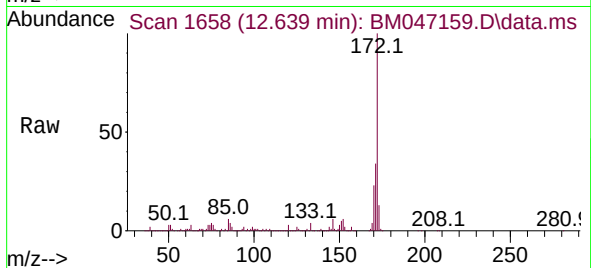
Tgt Ion:172 Resp: 3646446

Ion Ratio Lower Upper

172 100

171 34.4 27.8 41.6

170 23.1 18.7 28.1



#46

1,1'-Biphenyl

Concen: 5.175 ng

RT: 12.851 min Scan# 1694

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

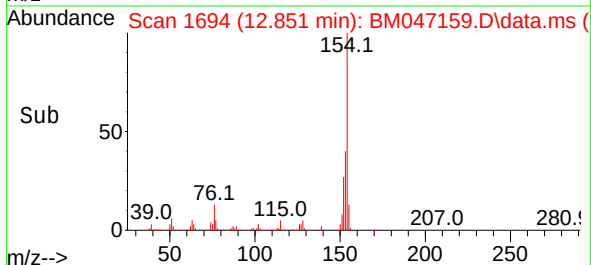
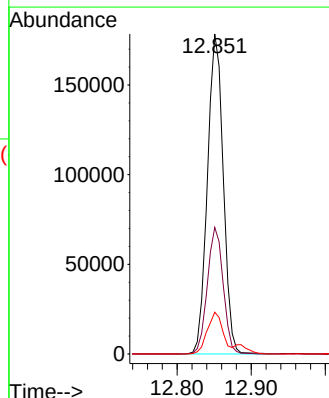
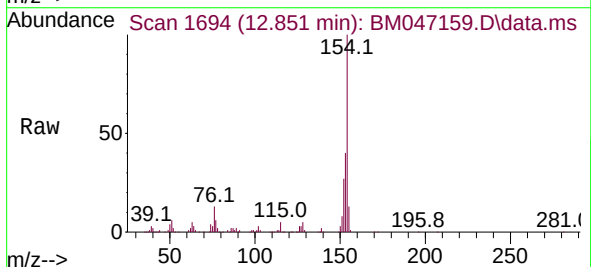
Tgt Ion:154 Resp: 265015

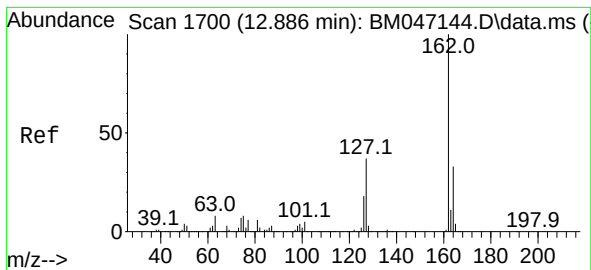
Ion Ratio Lower Upper

154 100

153 39.6 19.0 59.0

76 13.0 0.0 31.9





#47

2-Chloronaphthalene

Concen: 5.159 ng

RT: 12.886 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

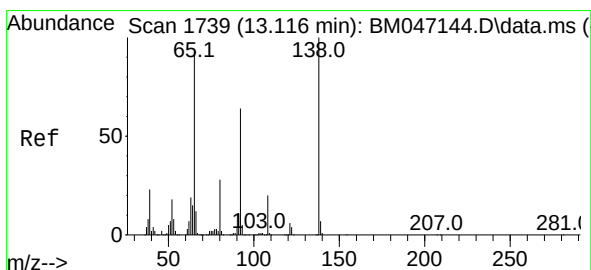
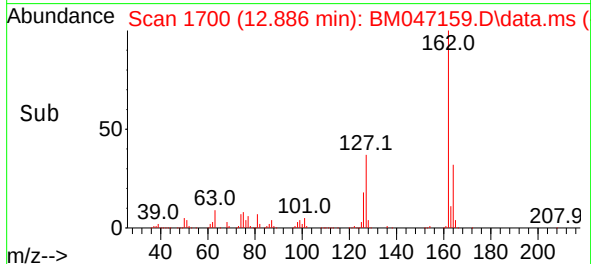
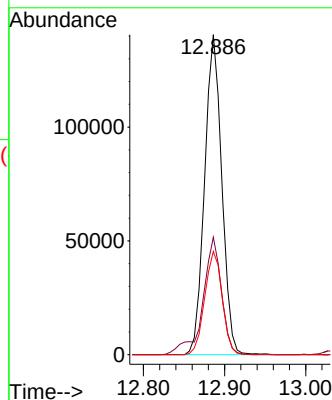
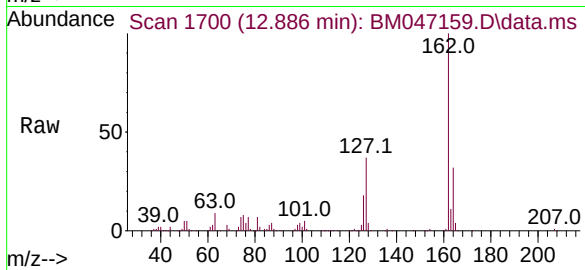
Tgt Ion:162 Resp: 206476

Ion Ratio Lower Upper

162 100

127 36.7 30.0 45.0

164 32.3 26.3 39.5



#48

2-Nitroaniline

Concen: 4.534 ng

RT: 13.110 min Scan# 1738

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

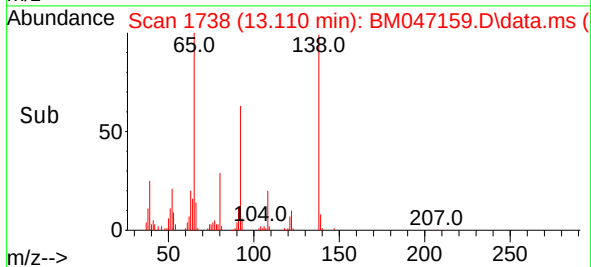
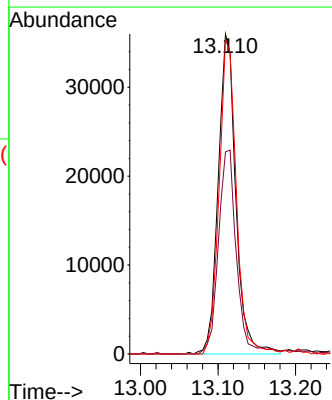
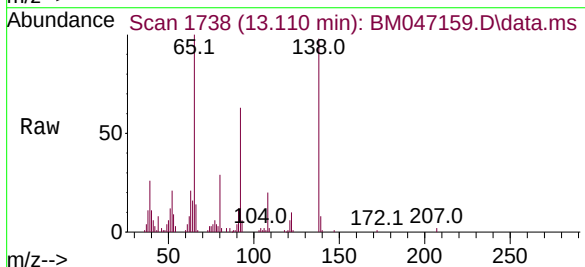
Tgt Ion: 65 Resp: 56849

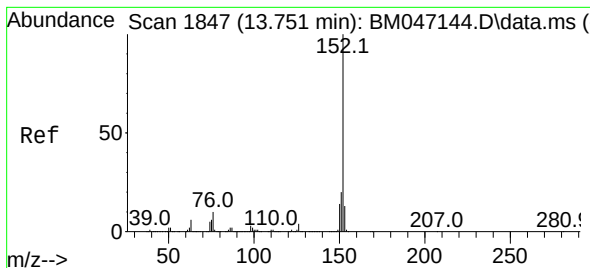
Ion Ratio Lower Upper

65 100

92 63.2 55.1 82.7

138 98.4 85.9 128.9





#49

Acenaphthylene

Concen: 5.642 ng

RT: 13.745 min Scan# 1846

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

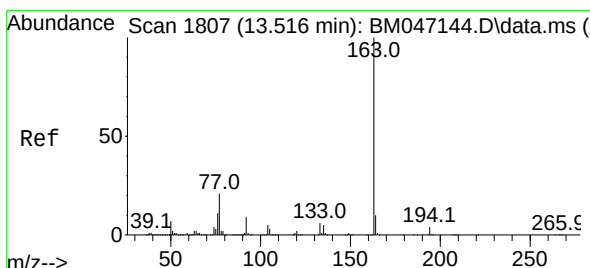
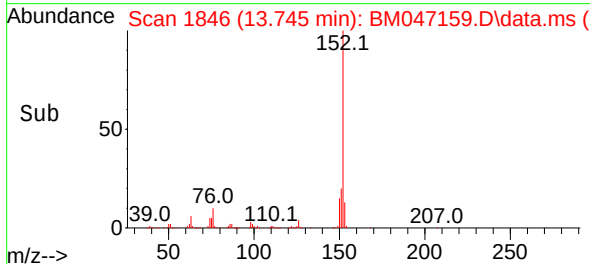
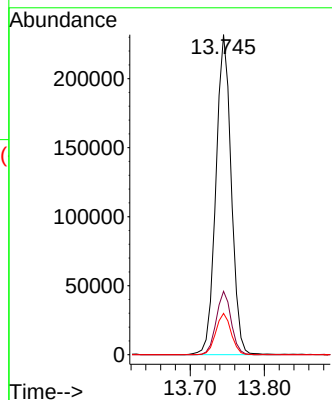
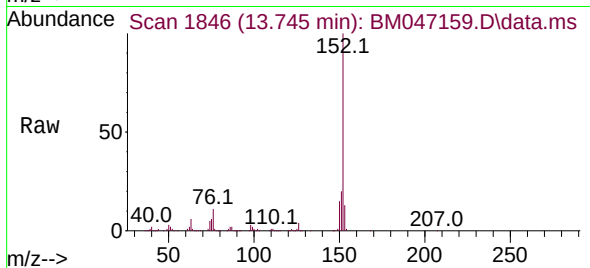
Tgt Ion:152 Resp: 332860

Ion Ratio Lower Upper

152 100

151 19.8 15.8 23.6

153 12.9 10.4 15.6



#50

Dimethylphthalate

Concen: 5.216 ng

RT: 13.510 min Scan# 1806

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

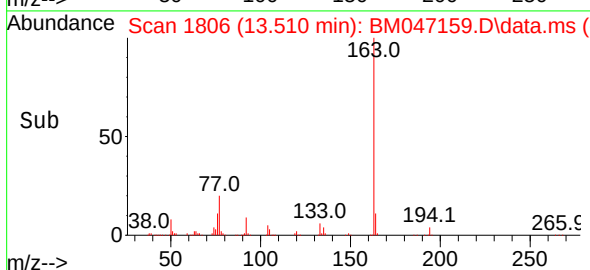
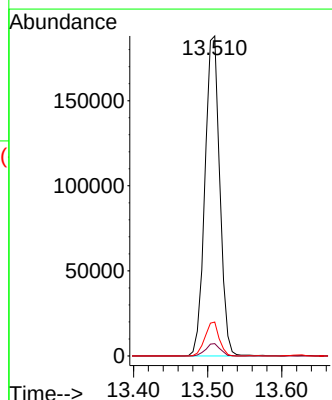
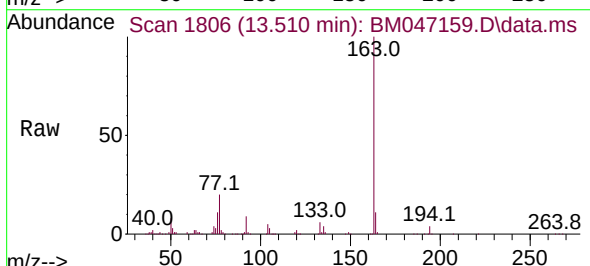
Tgt Ion:163 Resp: 262043

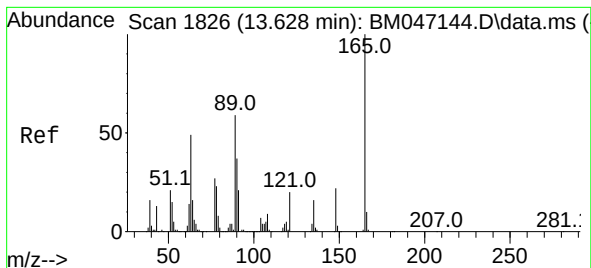
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 10.6 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 4.515 ng

RT: 13.621 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

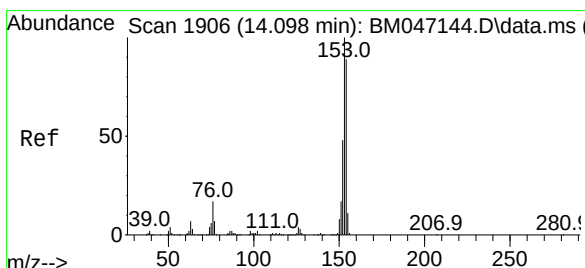
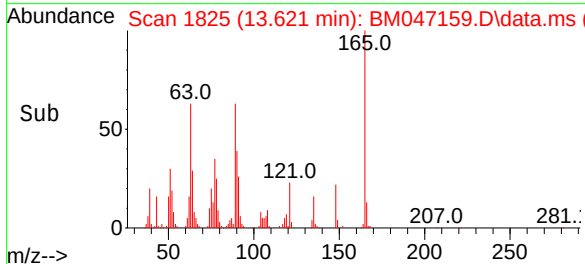
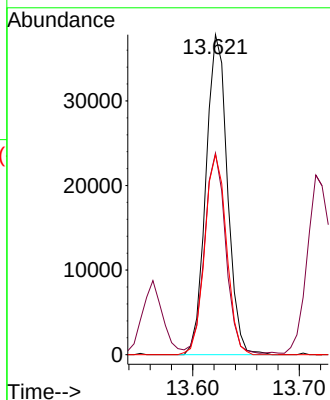
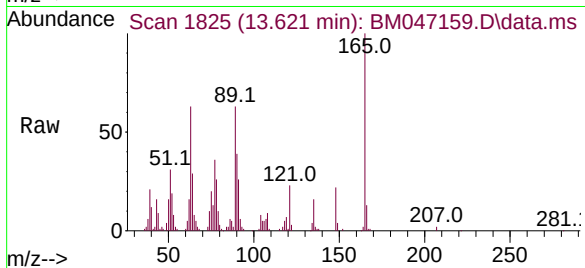
Tgt Ion:165 Resp: 53021

Ion Ratio Lower Upper

165 100

63 63.0 46.5 69.7

89 62.5 47.3 70.9



#52

Acenaphthene

Concen: 5.247 ng

RT: 14.092 min Scan# 1905

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

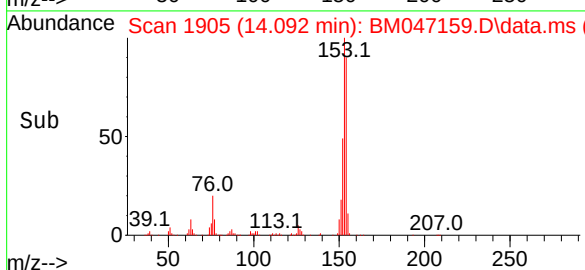
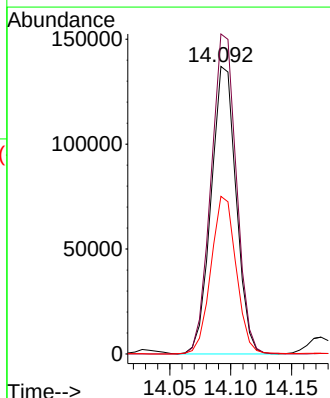
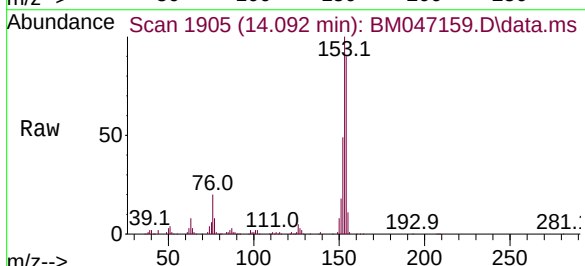
Tgt Ion:154 Resp: 196352

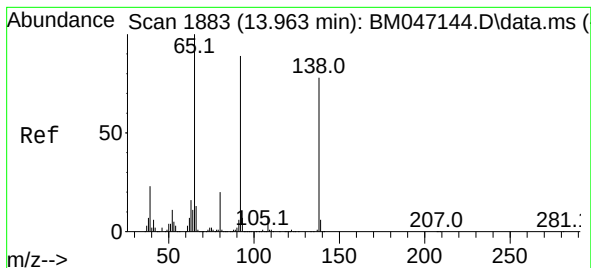
Ion Ratio Lower Upper

154 100

153 111.3 90.3 135.5

152 54.8 42.9 64.3

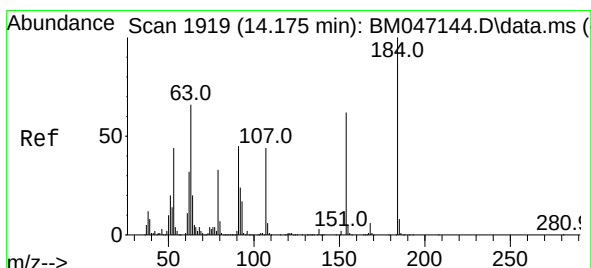
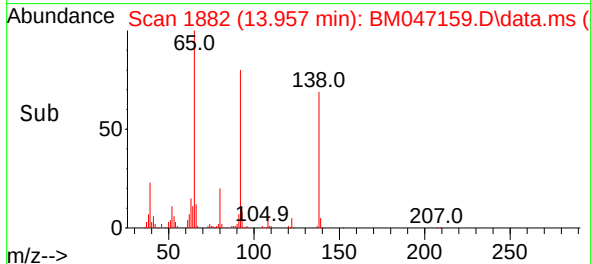
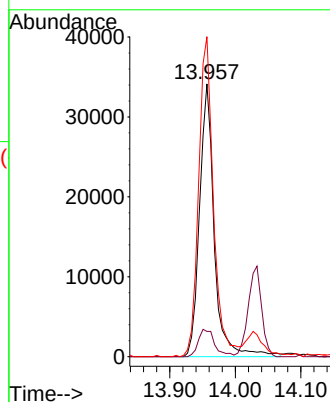
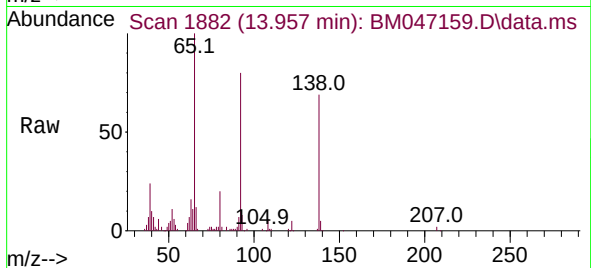




#53
3-Nitroaniline
Concen: 4.534 ng
RT: 13.957 min Scan# 1882
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

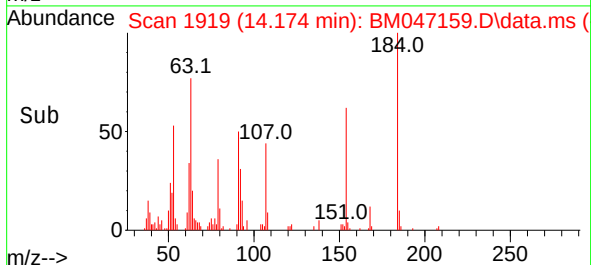
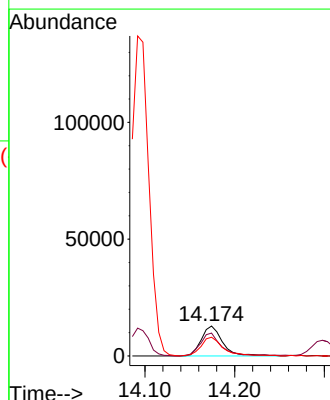
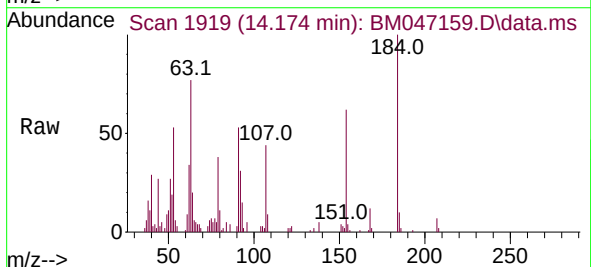
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

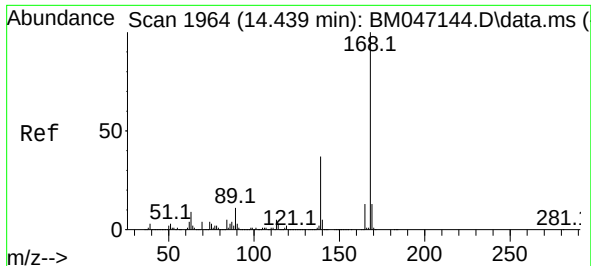
Tgt Ion:138 Resp: 53356
Ion Ratio Lower Upper
138 100
108 9.3 7.9 11.9
92 117.3 92.0 138.0



#54
2,4-Dinitrophenol
Concen: 2.972 ng
RT: 14.174 min Scan# 1919
Delta R.T. -0.001 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

Tgt Ion:184 Resp: 20914
Ion Ratio Lower Upper
184 100
63 76.9 52.7 79.1
154 62.4 50.4 75.6





#55

Dibenzenofuran

Concen: 5.533 ng

RT: 14.433 min Scan# 1964

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

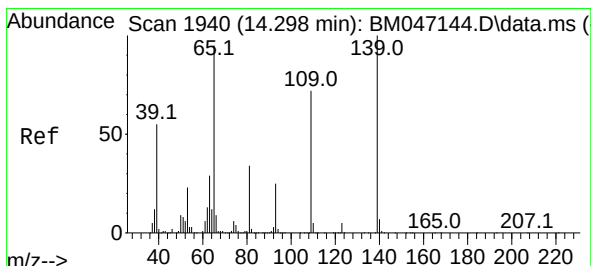
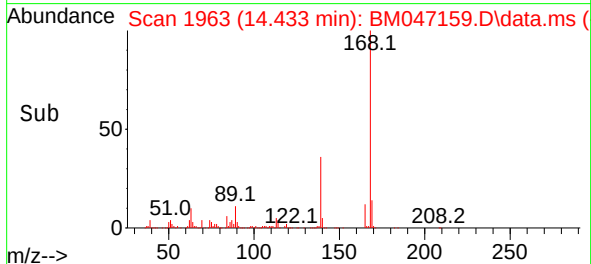
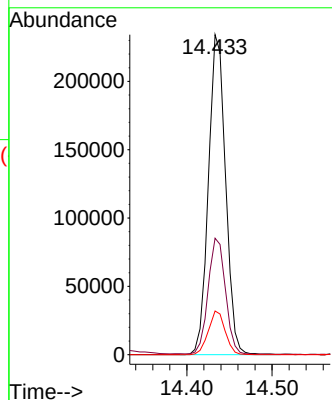
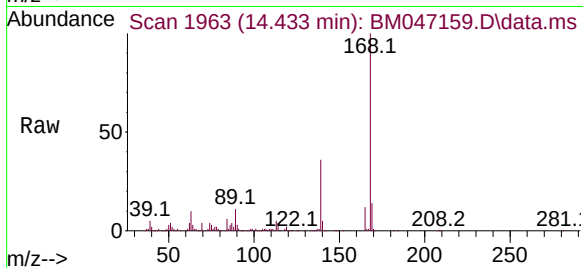
Tgt Ion:168 Resp: 327040

Ion Ratio Lower Upper

168 100

139 36.4 29.6 44.4

169 13.7 10.7 16.1



#56

4-Nitrophenol

Concen: 4.034 ng

RT: 14.298 min Scan# 1940

Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

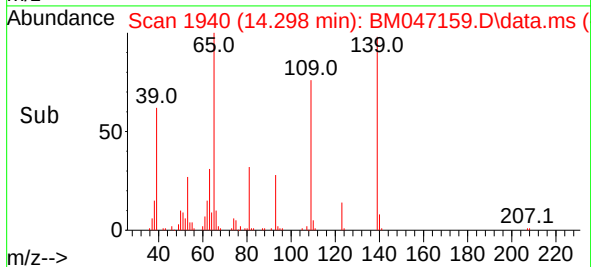
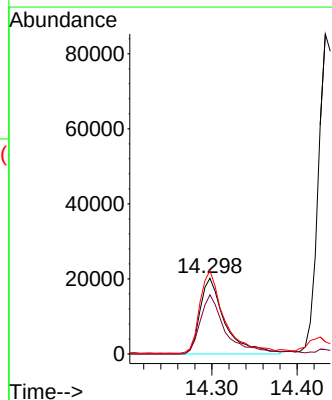
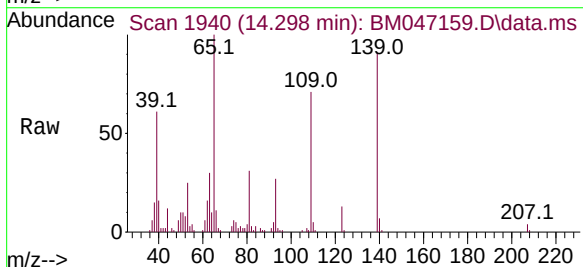
Tgt Ion:139 Resp: 40930

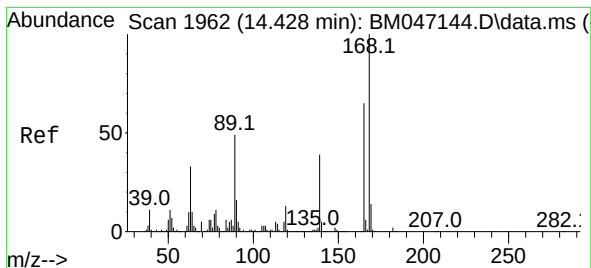
Ion Ratio Lower Upper

139 100

109 78.1 52.5 92.5

65 110.1 75.4 115.4





#57

2,4-Dinitrotoluene

Concen: 4.283 ng

RT: 14.421 min Scan# 1962

Delta R.T. -0.006 min

Lab File: BM047159.D

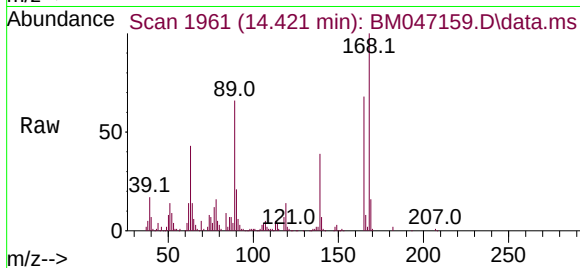
Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024



Tgt Ion:165 Resp: 67132

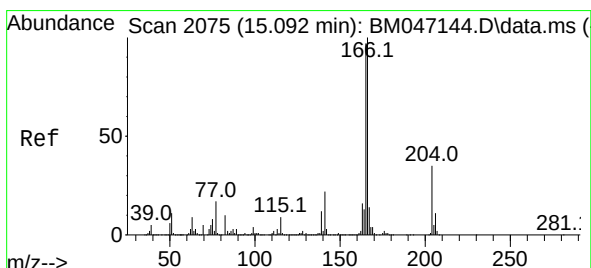
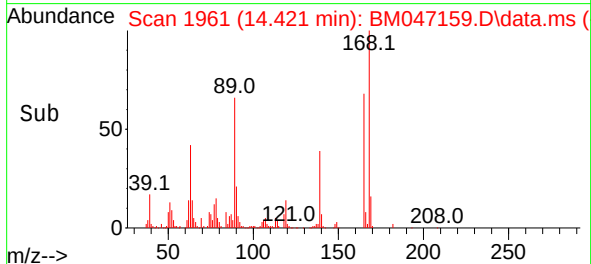
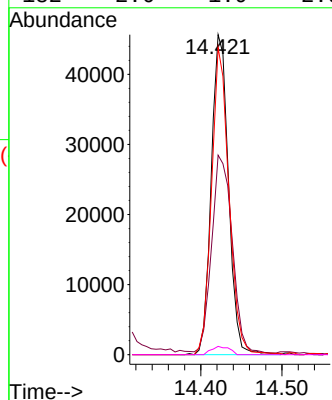
Ion Ratio Lower Upper

165 100

63 62.4 40.3 60.5#

89 95.9 61.0 91.6#

182 2.6 1.9 2.9



#58

Fluorene

Concen: 5.358 ng

RT: 15.092 min Scan# 2075

Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

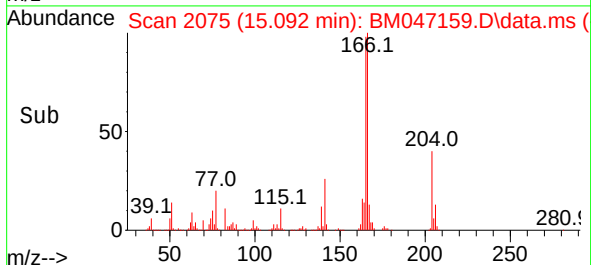
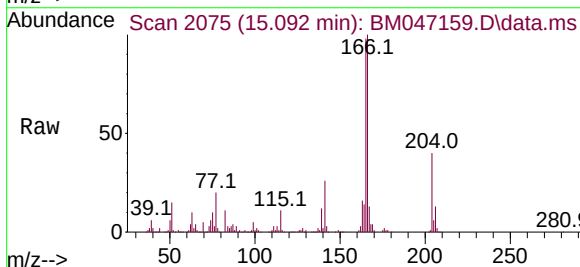
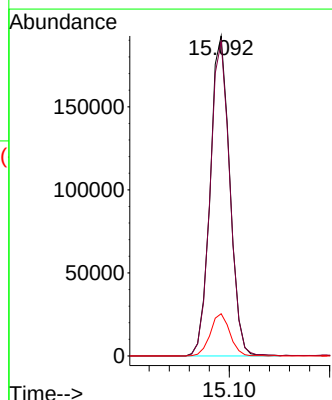
Tgt Ion:166 Resp: 261328

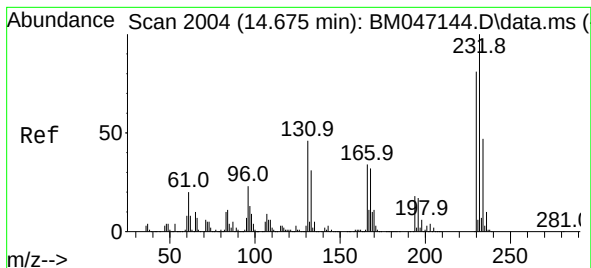
Ion Ratio Lower Upper

166 100

165 98.2 77.4 116.0

167 13.2 11.0 16.6

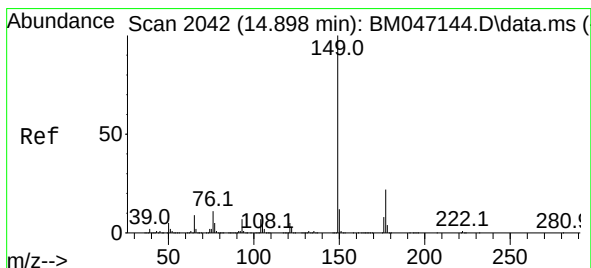
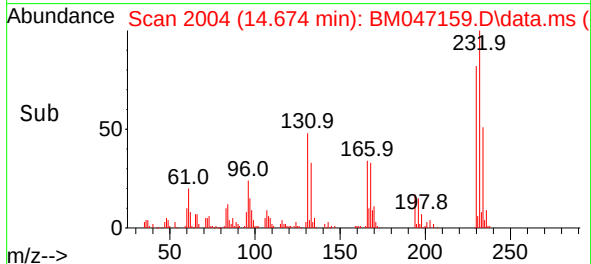
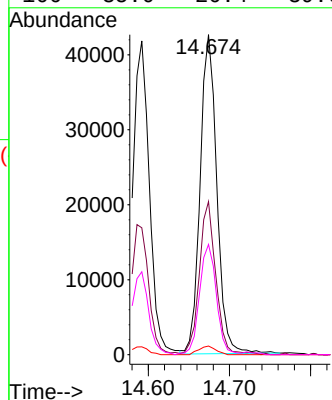
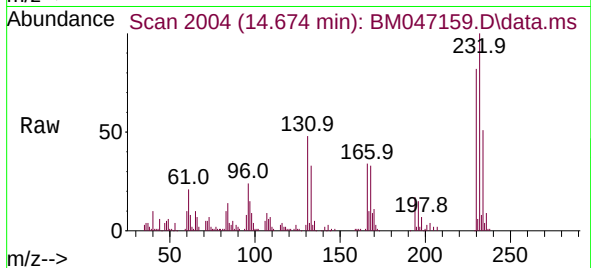




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.789 ng
RT: 14.674 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

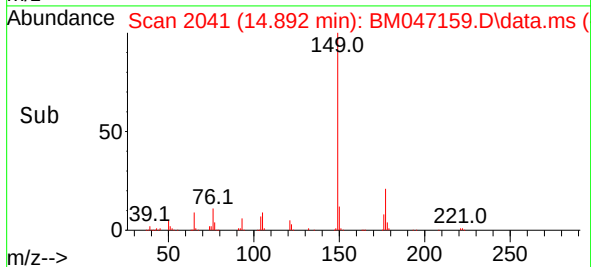
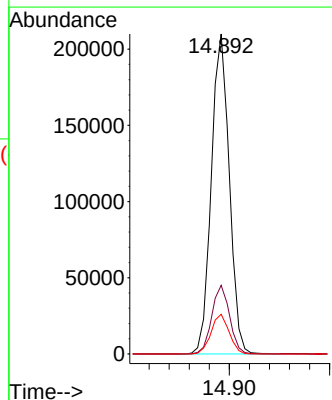
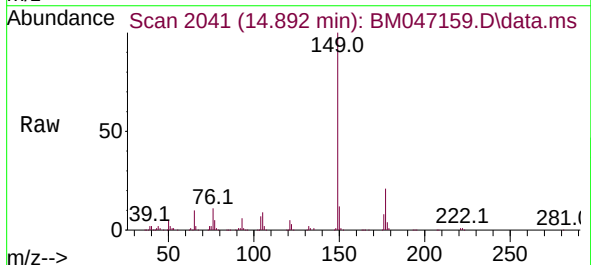
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

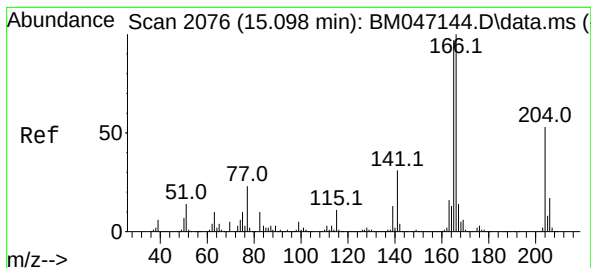
Tgt Ion:232	Resp:	60939
Ion Ratio	Lower	Upper
232	100	
131	47.5	36.9 55.3
130	2.8	2.0 3.0
166	35.0	26.4 39.6



#60
Diethylphthalate
Concen: 5.078 ng
RT: 14.892 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

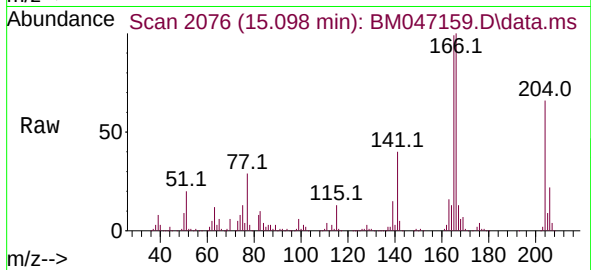
Tgt Ion:149	Resp:	260478
Ion Ratio	Lower	Upper
149	100	
177	21.5	17.6 26.4
150	12.4	9.8 14.6



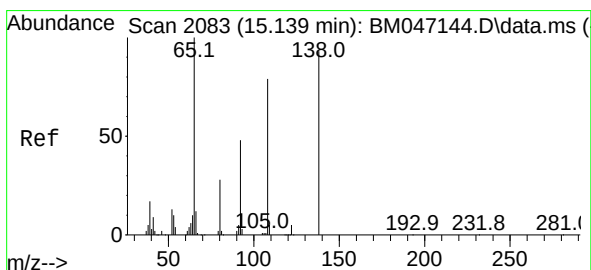
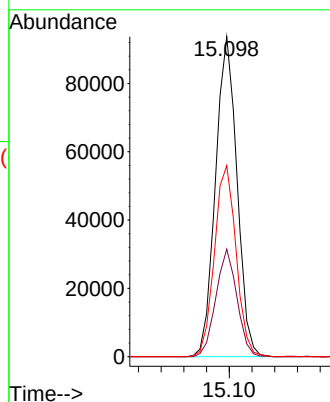
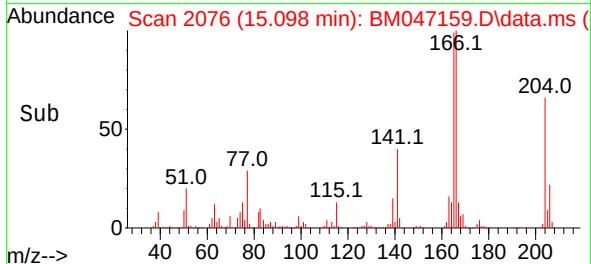


#61
4-Chlorophenyl-phenylether
Concen: 5.302 ng
RT: 15.098 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

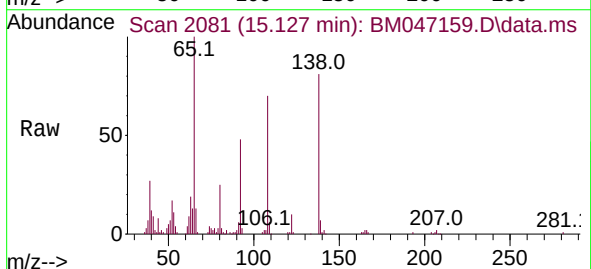
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



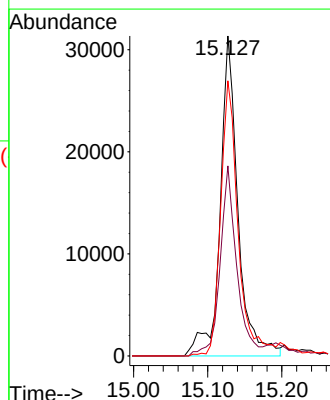
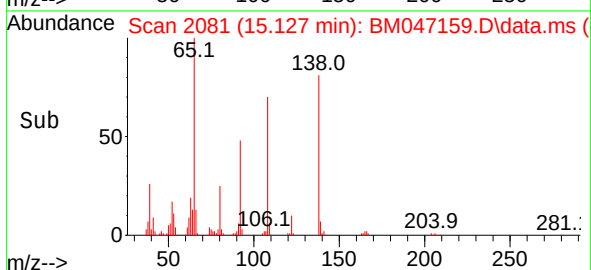
Tgt Ion:204 Resp: 123114
Ion Ratio Lower Upper
204 100
206 33.6 26.2 39.4
141 59.7 47.2 70.8

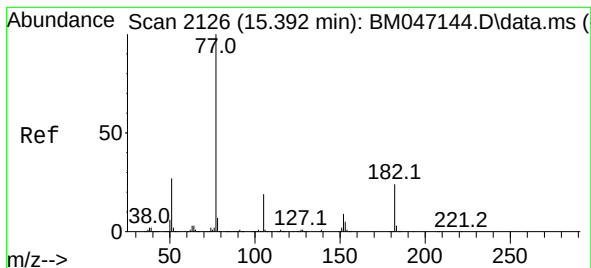


#62
4-Nitroaniline
Concen: 4.521 ng
RT: 15.127 min Scan# 2081
Delta R.T. -0.012 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28



Tgt Ion:138 Resp: 52406
Ion Ratio Lower Upper
138 100
92 59.4 31.9 71.9
108 86.0 63.8 103.8





#63

Azobenzene

Concen: 5.280 ng

RT: 15.392 min Scan# 2126

Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion: 77 Resp: 256798

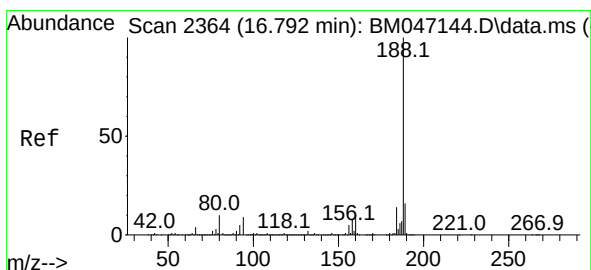
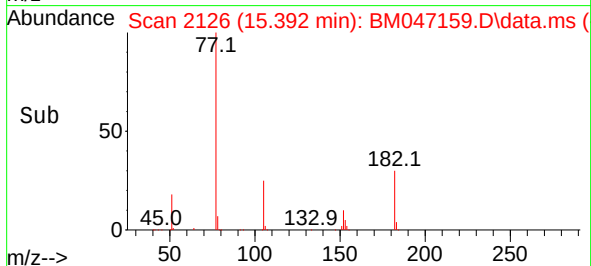
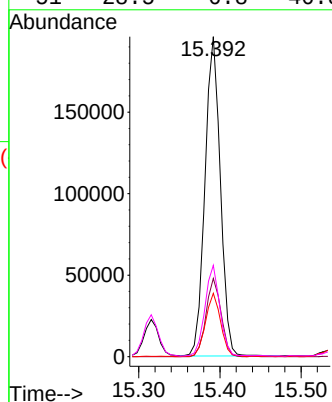
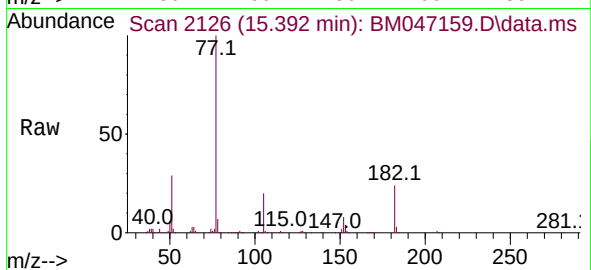
Ion Ratio Lower Upper

77 100

182 24.4 3.8 43.8

105 19.8 0.0 39.5

51 28.5 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: BM047159.D

Acq: 12 Aug 2024 17:28

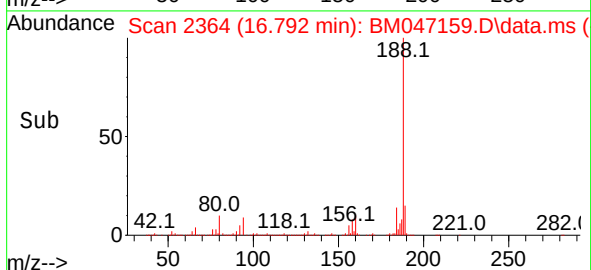
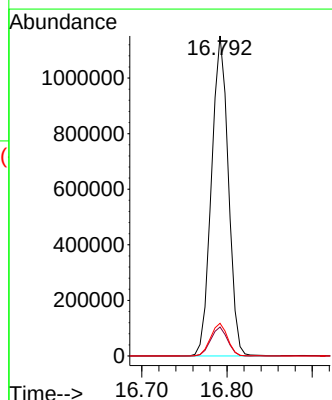
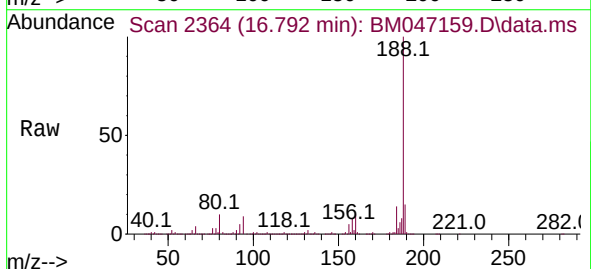
Tgt Ion: 188 Resp: 1582517

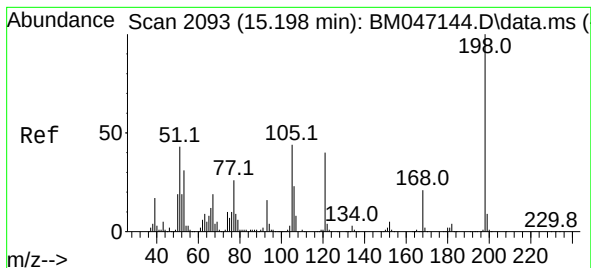
Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.6

80 10.2 8.0 12.0

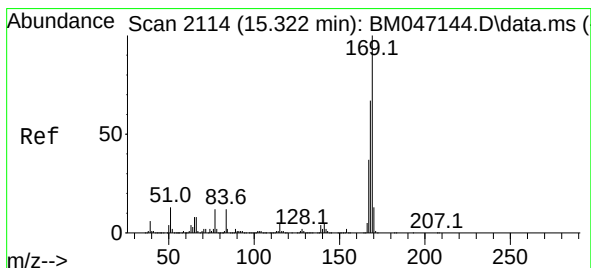
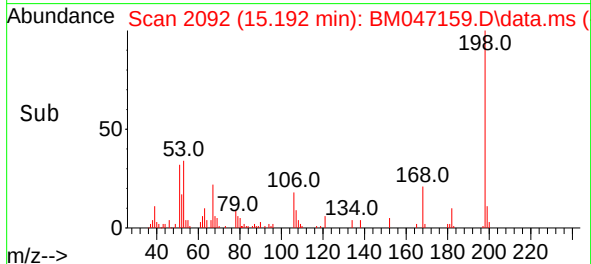
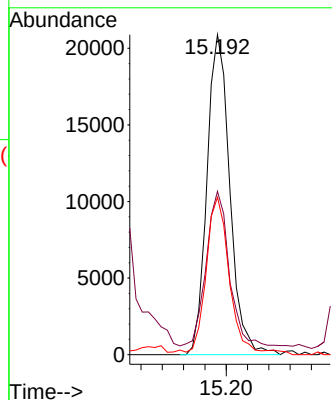
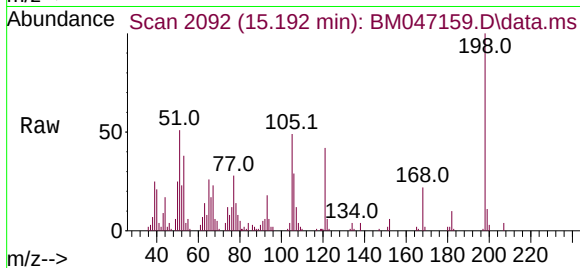




#65
4,6-Dinitro-2-methylphenol
Concen: 3.364 ng
RT: 15.192 min Scan# 2093
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

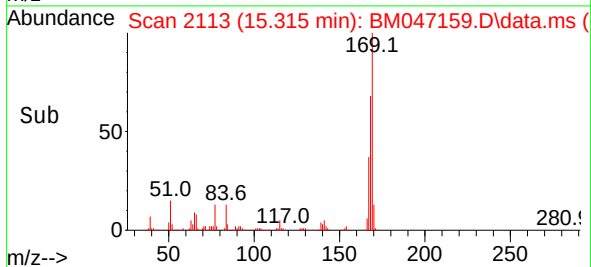
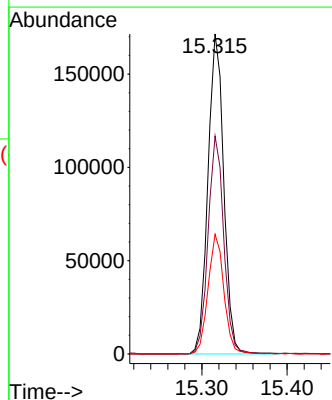
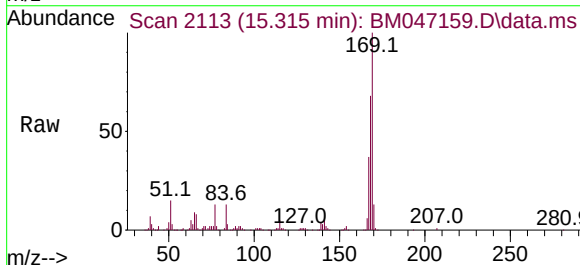
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

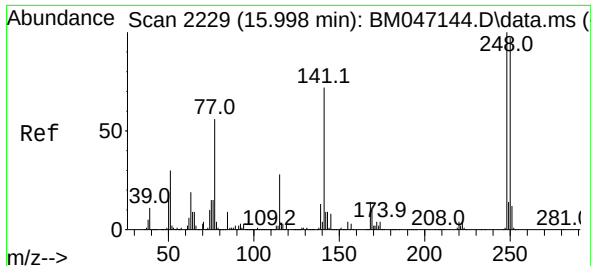
Tgt Ion:198 Resp: 31168
Ion Ratio Lower Upper
198 100
51 51.1 23.9 63.9
105 49.2 24.3 64.3



#66
n-Nitrosodiphenylamine
Concen: 5.123 ng
RT: 15.315 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

Tgt Ion:169 Resp: 220841
Ion Ratio Lower Upper
169 100
168 68.1 53.8 80.8
167 37.4 29.3 43.9





#67

4-Bromophenyl-phenylether

Concen: 4.634 ng

RT: 15.992 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

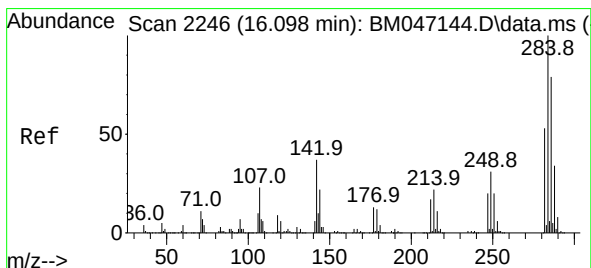
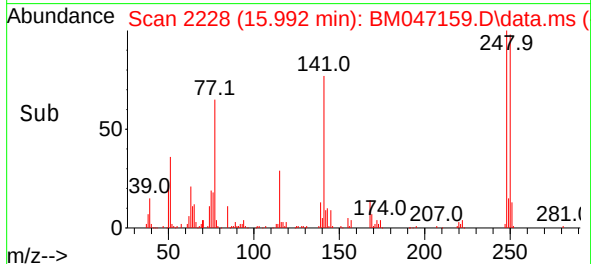
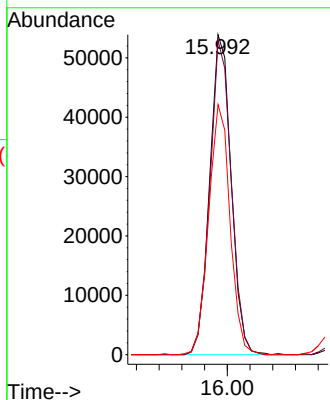
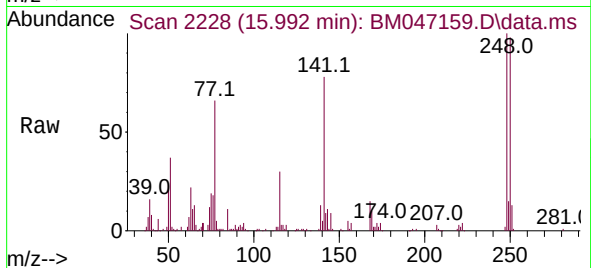
Tgt Ion:248 Resp: 70673

Ion Ratio Lower Upper

248 100

250 98.2 77.8 116.8

141 78.2 57.7 86.5



#68

Hexachlorobenzene

Concen: 4.922 ng

RT: 16.098 min Scan# 2246

Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

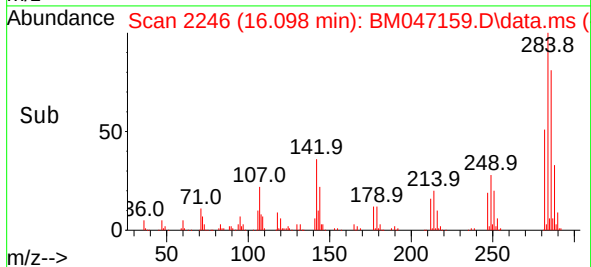
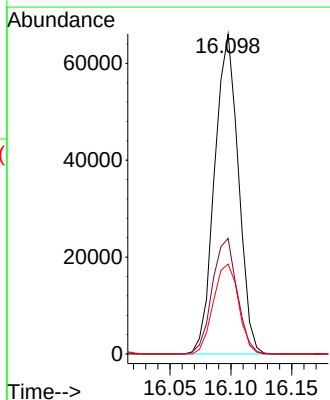
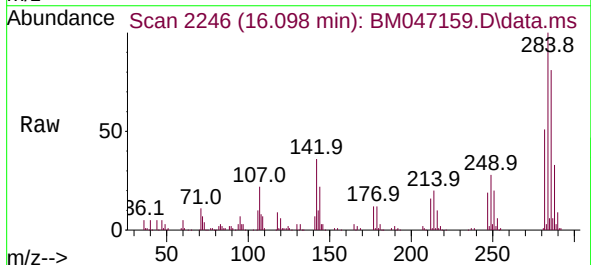
Tgt Ion:284 Resp: 89893

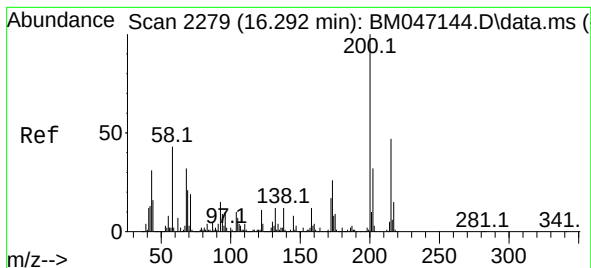
Ion Ratio Lower Upper

284 100

142 36.1 29.4 44.0

249 28.1 25.1 37.7





#69

Atrazine

Concen: 5.784 ng

RT: 16.286 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

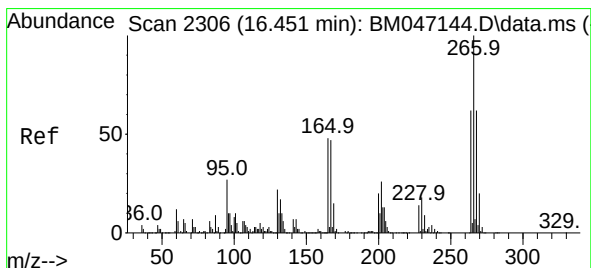
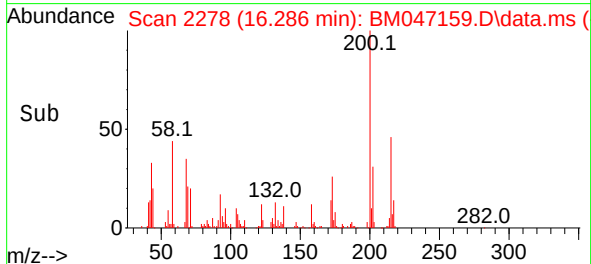
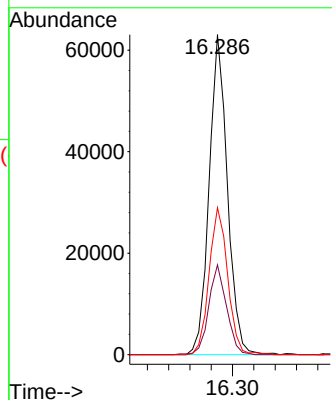
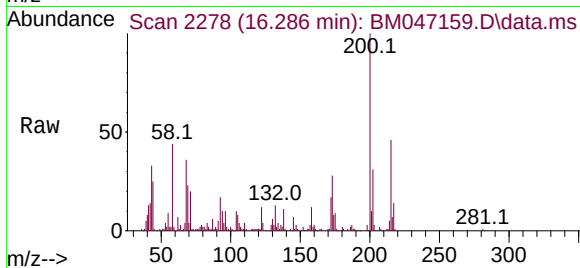
Tgt Ion:200 Resp: 75016

Ion Ratio Lower Upper

200 100

173 28.1 6.1 46.1

215 46.0 26.8 66.8



#70

Pentachlorophenol

Concen: 3.472 ng

RT: 16.451 min Scan# 2306

Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

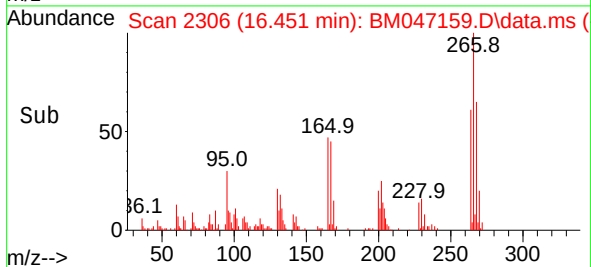
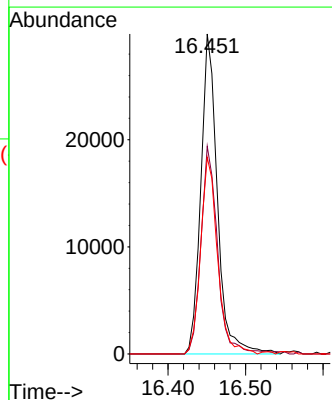
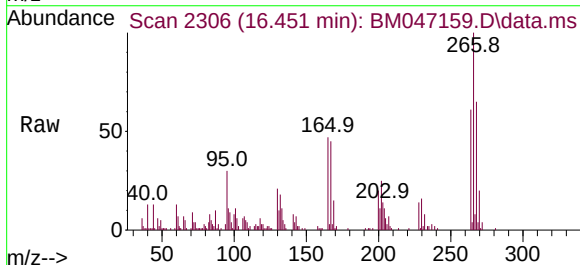
Tgt Ion:266 Resp: 44454

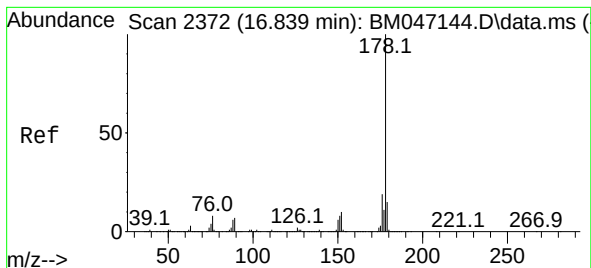
Ion Ratio Lower Upper

266 100

268 64.9 49.8 74.6

264 61.4 49.6 74.4





#71

Phenanthrene

Concen: 5.446 ng

RT: 16.833 min Scan# 2371

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

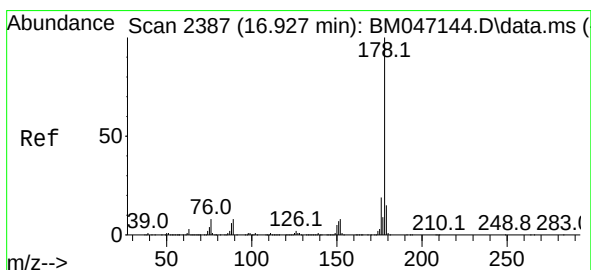
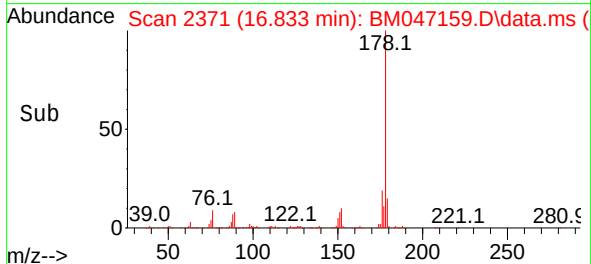
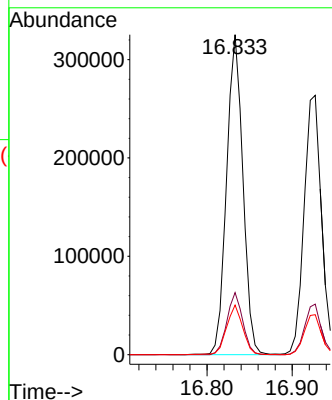
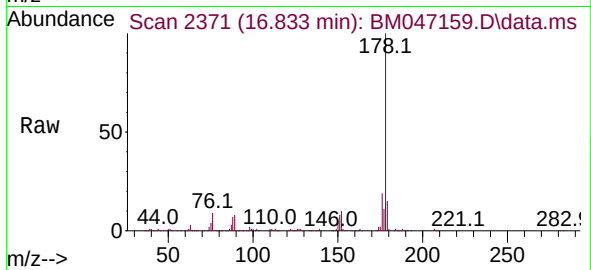
Tgt Ion:178 Resp: 432490

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

179 15.5 12.4 18.6



#72

Anthracene

Concen: 4.908 ng

RT: 16.927 min Scan# 2387

Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

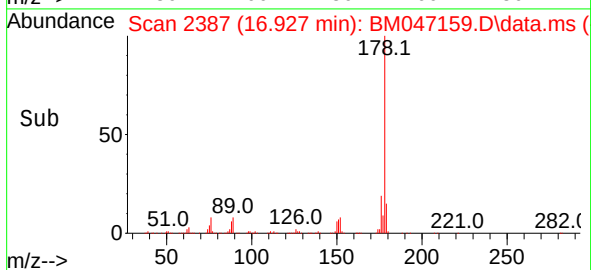
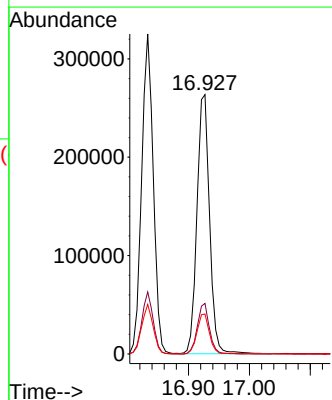
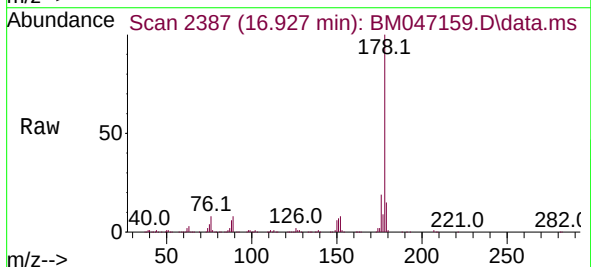
Tgt Ion:178 Resp: 379252

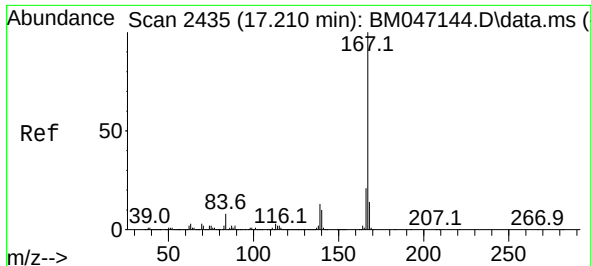
Ion Ratio Lower Upper

178 100

176 19.5 14.8 22.2

179 15.4 12.4 18.6

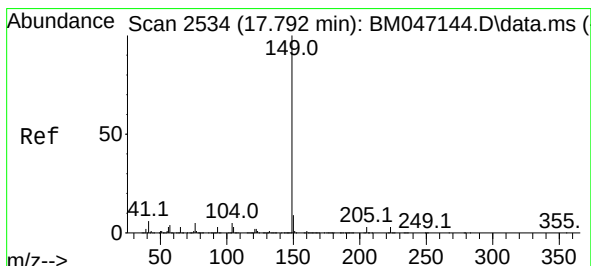
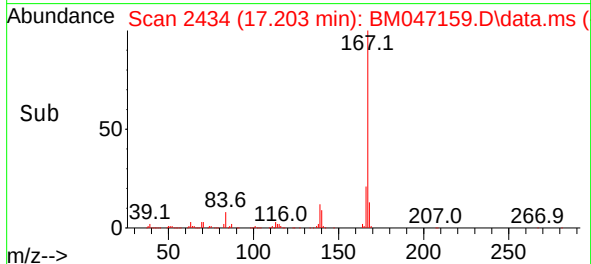
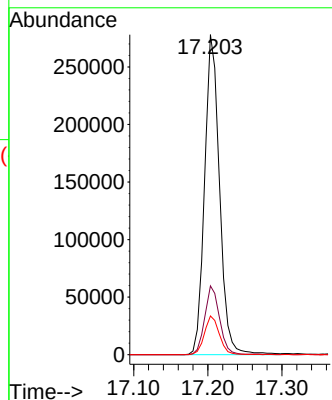
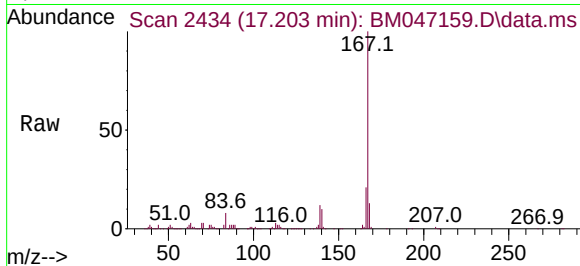




#73
 Carbazole
 Concen: 4.946 ng
 RT: 17.203 min Scan# 2434
 Delta R.T. -0.006 min
 Lab File: BM047159.D
 Acq: 12 Aug 2024 17:28

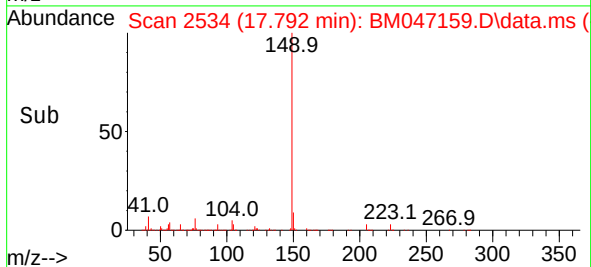
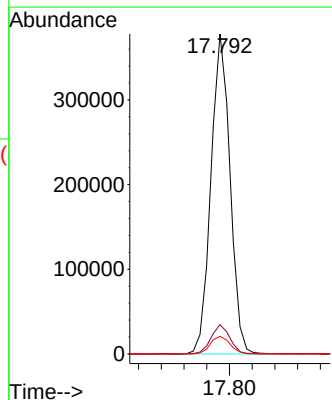
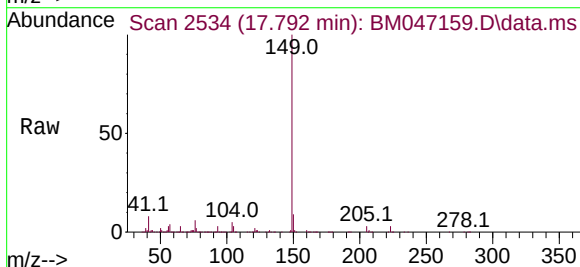
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

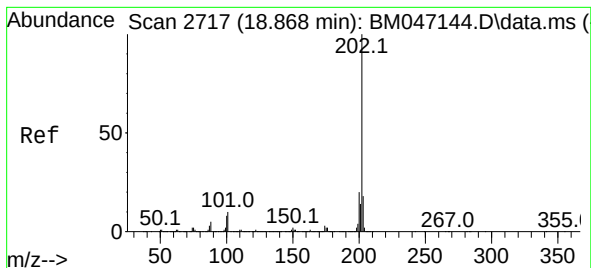
Tgt Ion:167 Resp: 390232
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.1 25.7
 139 12.1 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 4.801 ng
 RT: 17.792 min Scan# 2534
 Delta R.T. -0.000 min
 Lab File: BM047159.D
 Acq: 12 Aug 2024 17:28

Tgt Ion:149 Resp: 440747
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.5 11.3
 104 5.5 4.1 6.1





#75

Fluoranthene

Concen: 4.971 ng

RT: 18.868 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

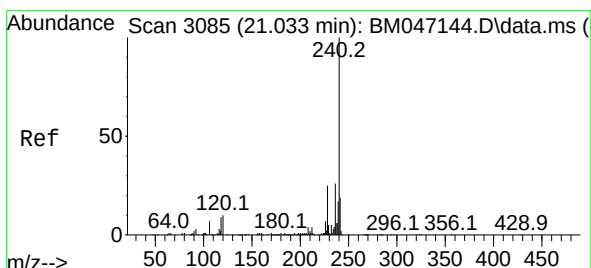
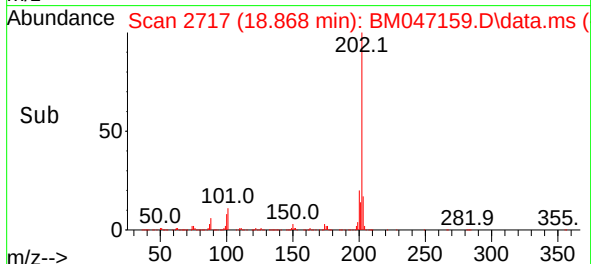
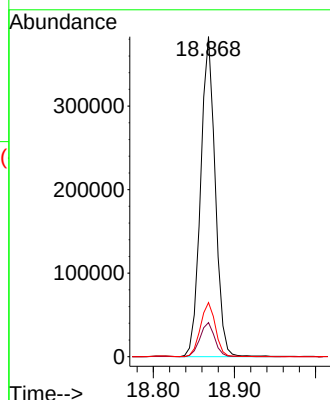
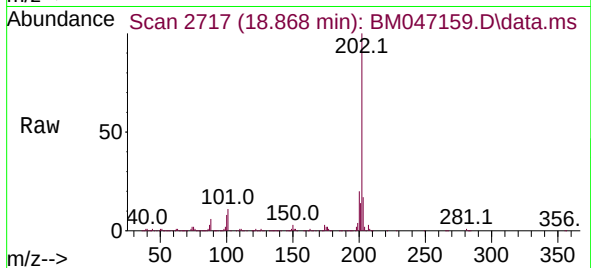
Tgt Ion:202 Resp: 480192

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.2

203 16.9 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: BM047159.D

Acq: 12 Aug 2024 17:28

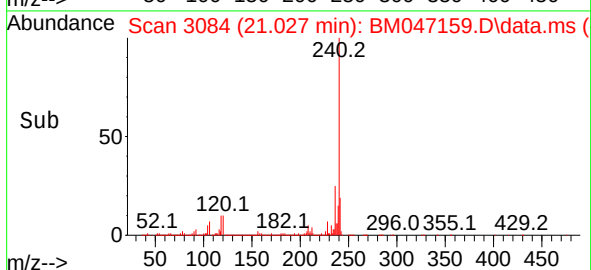
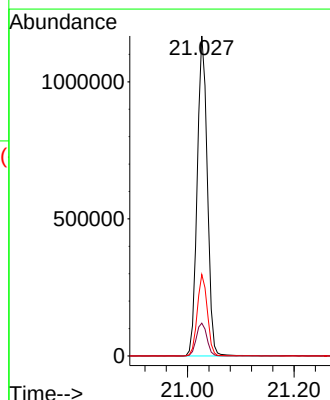
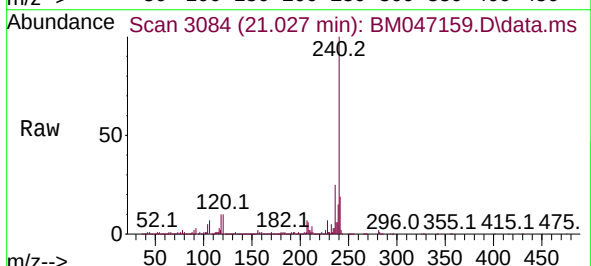
Tgt Ion:240 Resp: 1533970

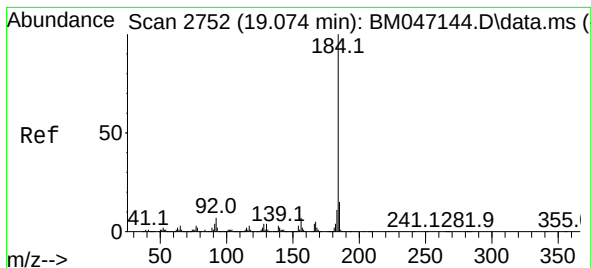
Ion Ratio Lower Upper

240 100

120 10.3 8.2 12.2

236 25.4 20.6 30.8





#77

Benzidine

Concen: 4.277 ng

RT: 19.074 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

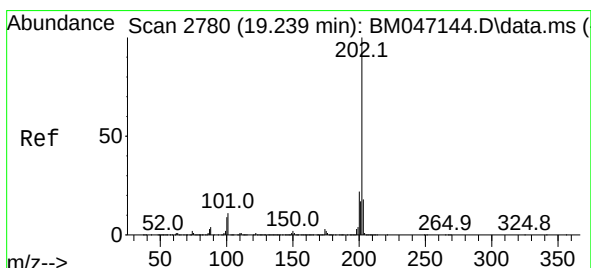
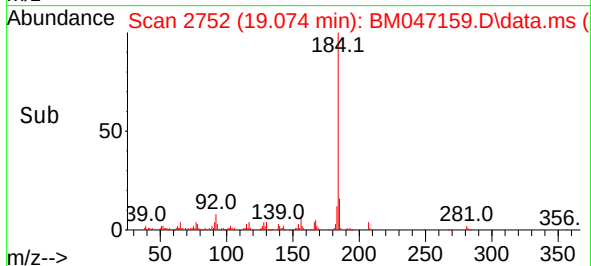
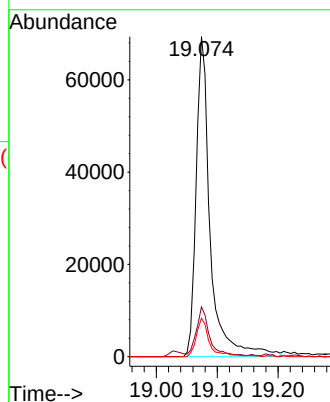
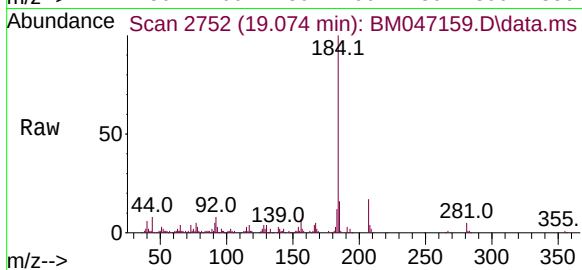
Tgt Ion:184 Resp: 111254

Ion Ratio Lower Upper

184 100

185 15.6 11.8 17.6

183 12.0 9.0 13.6



#78

Pyrene

Concen: 4.597 ng

RT: 19.233 min Scan# 2779

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

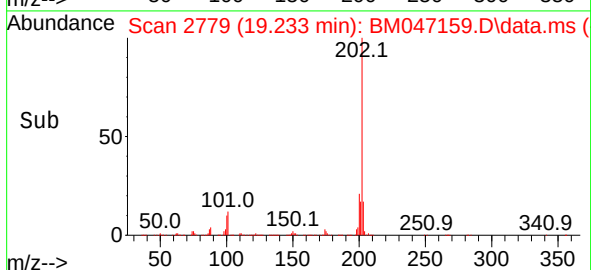
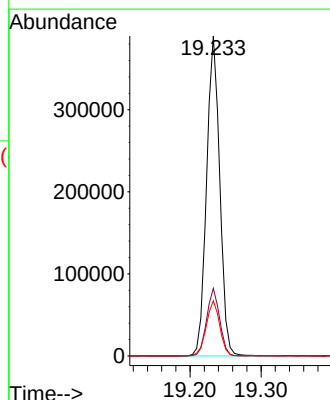
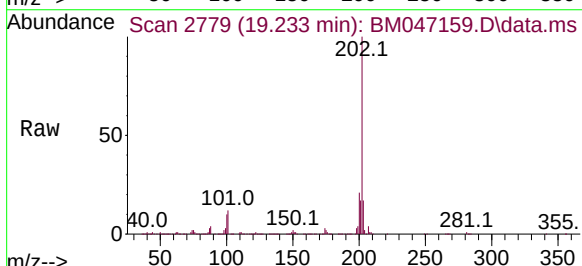
Tgt Ion:202 Resp: 503546

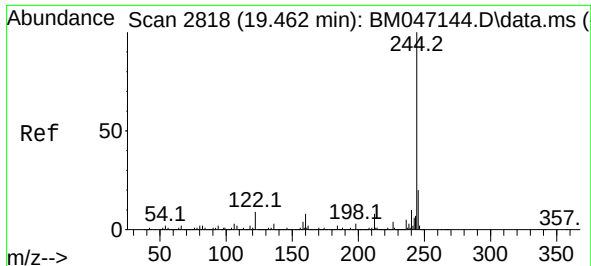
Ion Ratio Lower Upper

202 100

200 21.1 17.2 25.8

203 17.3 14.2 21.2

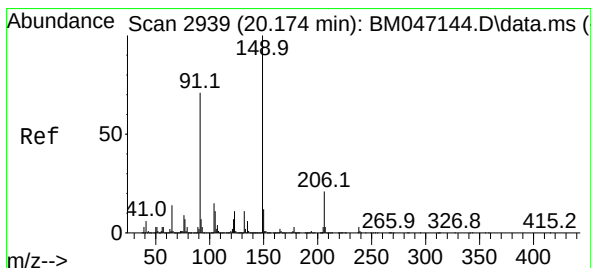
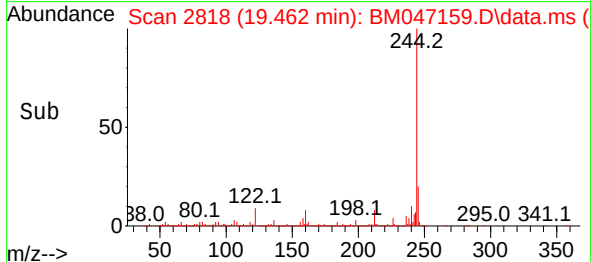
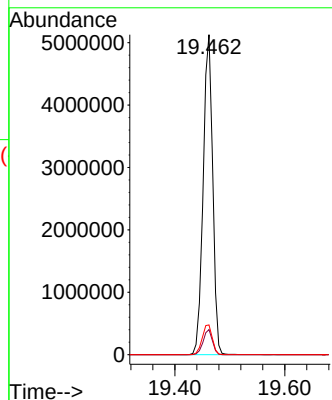
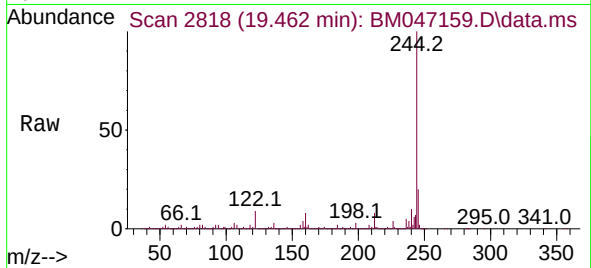




#79
 Terphenyl-d14
 Concen: 86.347 ng
 RT: 19.462 min Scan# 2818
 Delta R.T. -0.000 min
 Lab File: BM047159.D
 Acq: 12 Aug 2024 17:28

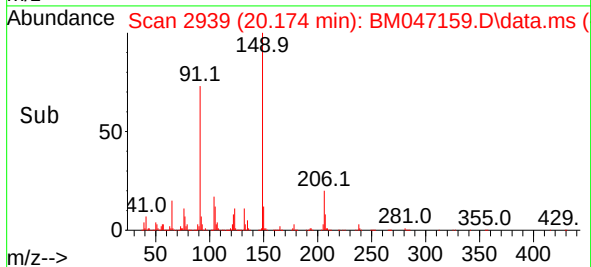
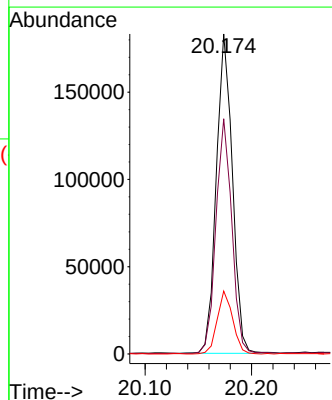
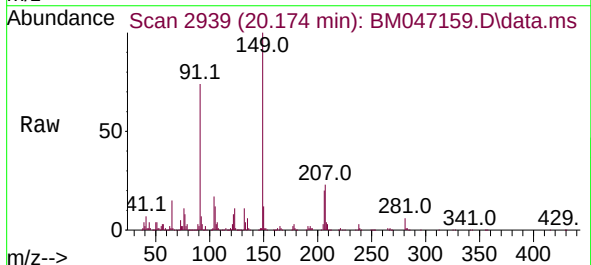
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

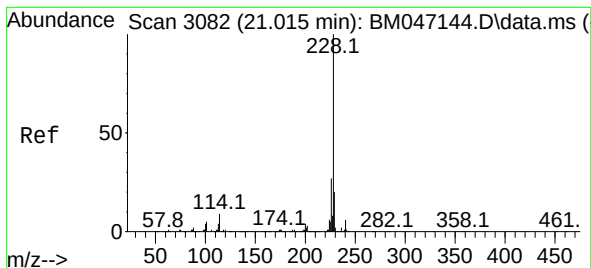
Tgt Ion:244 Resp: 6181461
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.4
 122 9.3 7.1 10.7



#80
 Butylbenzylphthalate
 Concen: 4.285 ng
 RT: 20.174 min Scan# 2939
 Delta R.T. -0.000 min
 Lab File: BM047159.D
 Acq: 12 Aug 2024 17:28

Tgt Ion:149 Resp: 191527
 Ion Ratio Lower Upper
 149 100
 91 73.5 57.0 85.4
 206 19.7 16.4 24.6





#81

Benzo(a)anthracene

Concen: 4.955 ng

RT: 21.009 min Scan# 3082

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

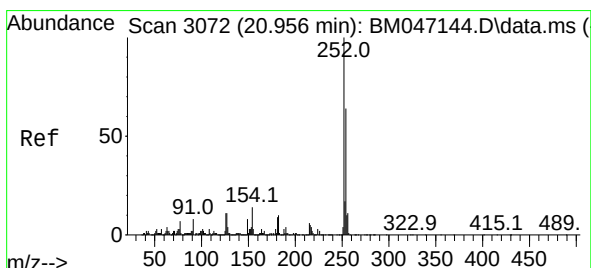
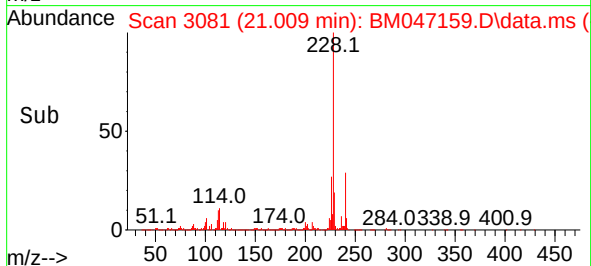
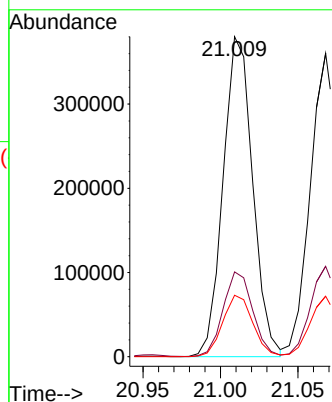
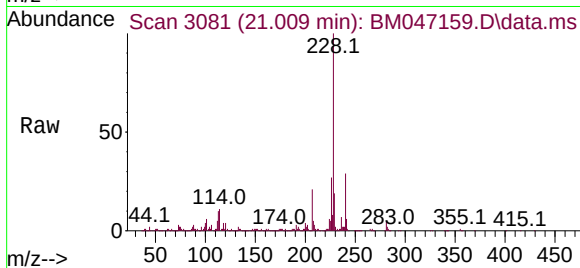
Tgt Ion:228 Resp: 504577

Ion Ratio Lower Upper

228 100

226 26.5 21.8 32.6

229 19.2 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 5.146 ng

RT: 20.956 min Scan# 3072

Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

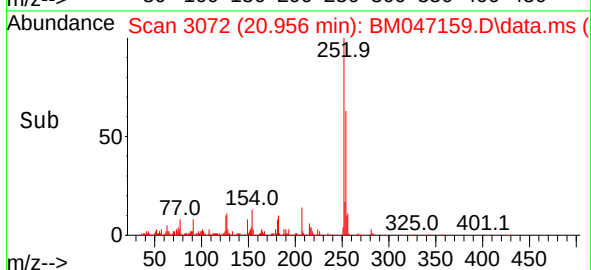
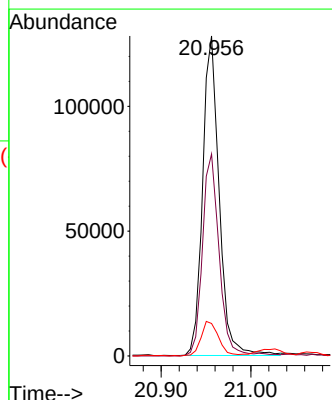
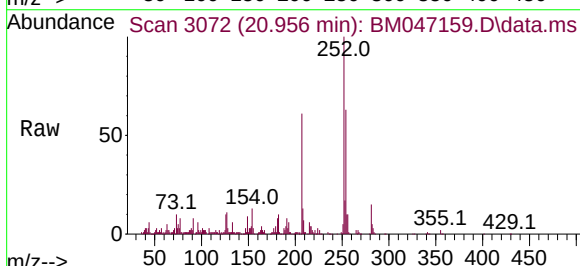
Tgt Ion:252 Resp: 163956

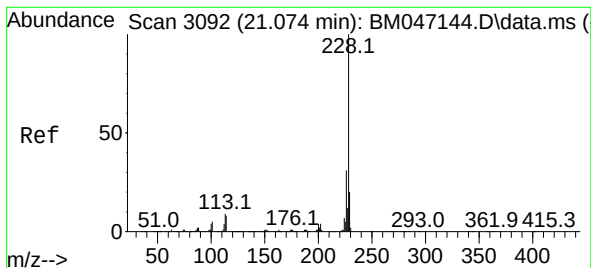
Ion Ratio Lower Upper

252 100

254 63.1 51.0 76.6

126 10.1 8.5 12.7





#83

Chrysene

Concen: 4.911 ng

RT: 21.068 min Scan# 3092

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

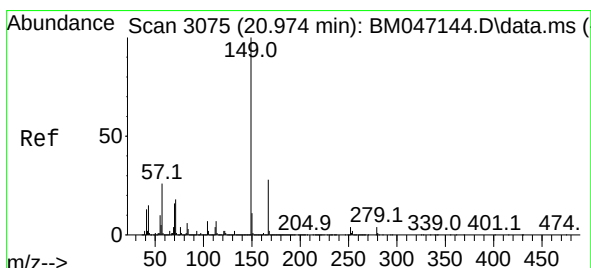
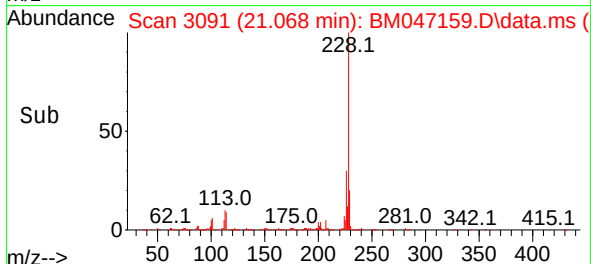
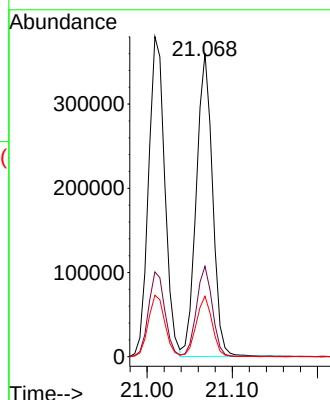
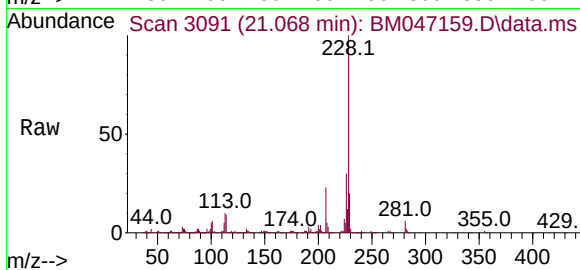
Tgt Ion:228 Resp: 474445

Ion Ratio Lower Upper

228 100

226 29.8 24.4 36.6

229 19.9 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.564 ng

RT: 20.974 min Scan# 3075

Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

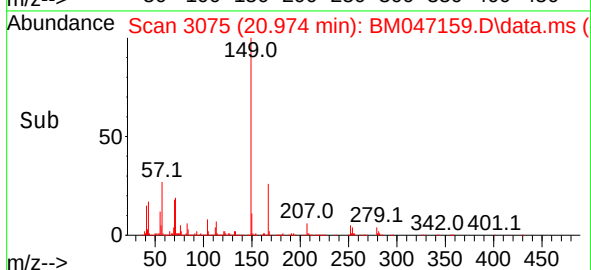
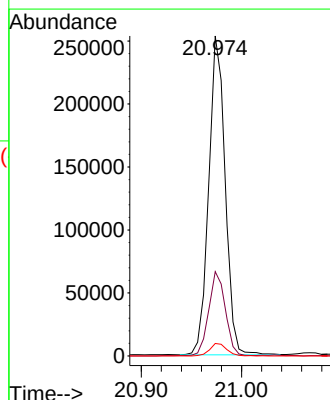
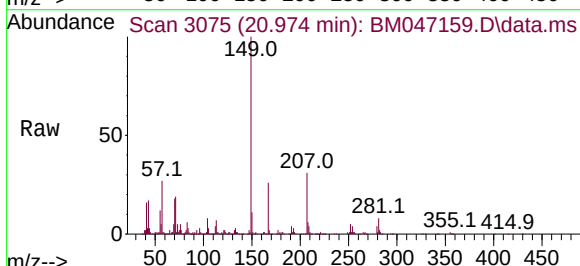
Tgt Ion:149 Resp: 289291

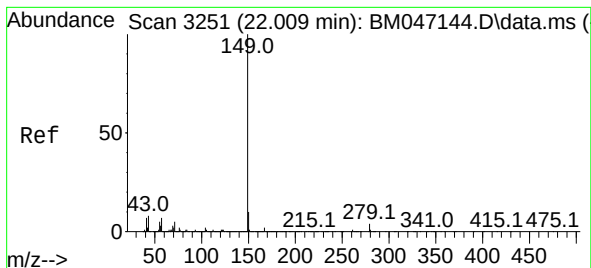
Ion Ratio Lower Upper

149 100

167 26.3 22.2 33.2

279 3.9 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 4.120 ng

RT: 22.009 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

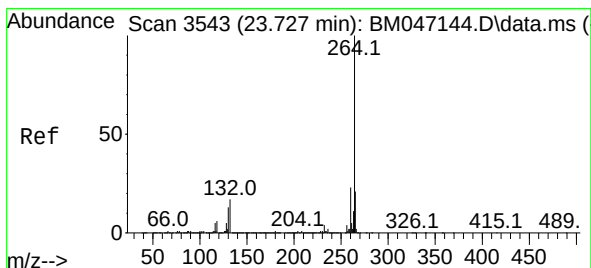
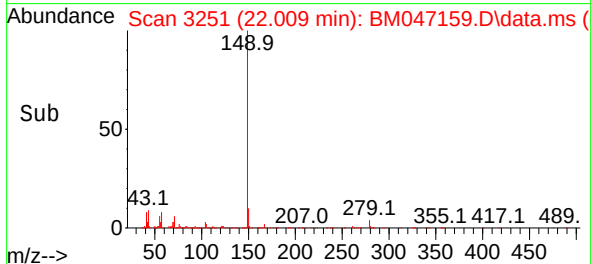
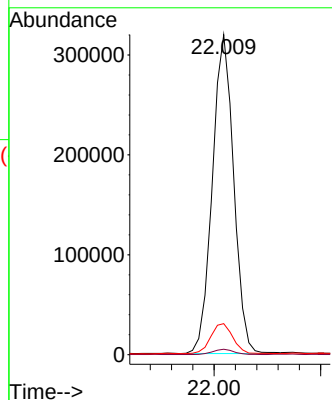
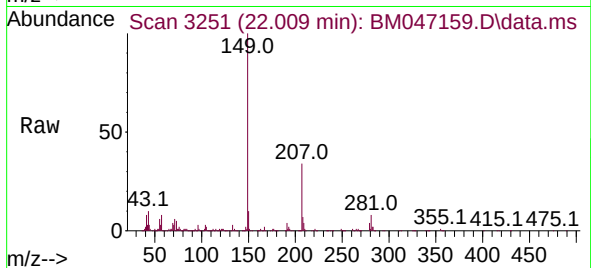
Tgt Ion:149 Resp: 443883

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.7 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: BM047159.D

Acq: 12 Aug 2024 17:28

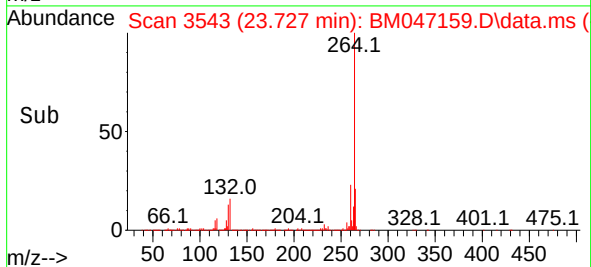
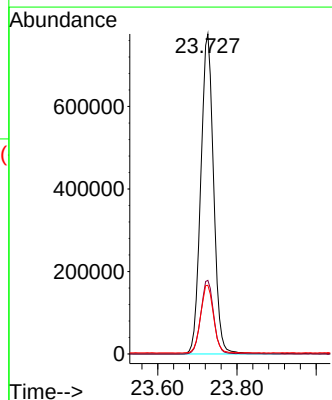
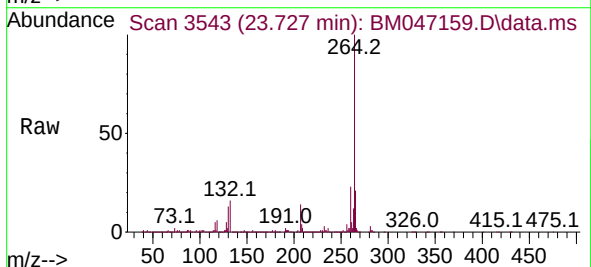
Tgt Ion:264 Resp: 1738821

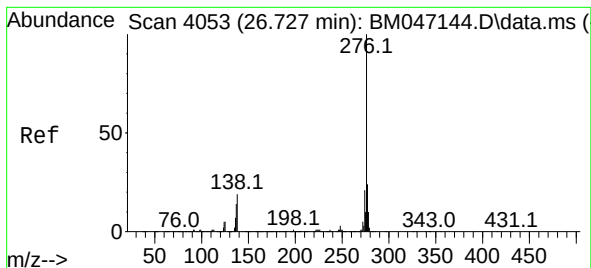
Ion Ratio Lower Upper

264 100

260 23.0 18.5 27.7

265 21.5 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.967 ng

RT: 26.709 min Scan# 4053

Delta R.T. -0.018 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

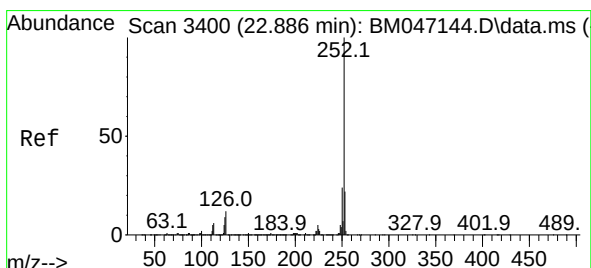
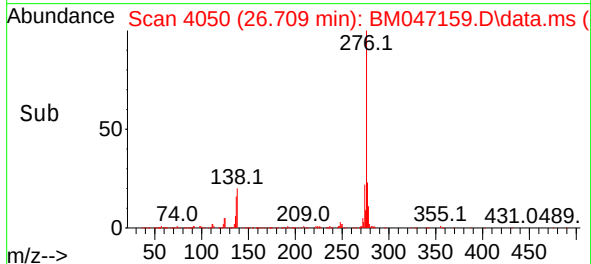
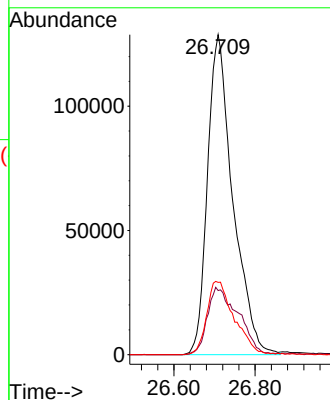
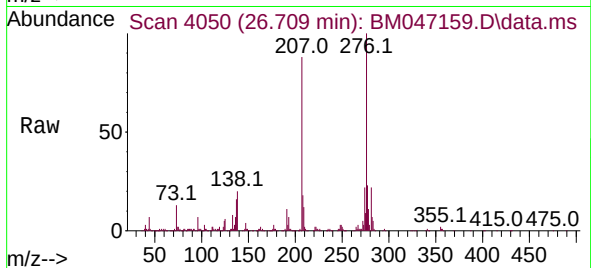
Tgt Ion:276 Resp: 558269

Ion Ratio Lower Upper

276 100

138 25.7 19.4 29.0

277 24.8 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 4.939 ng

RT: 22.880 min Scan# 3399

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

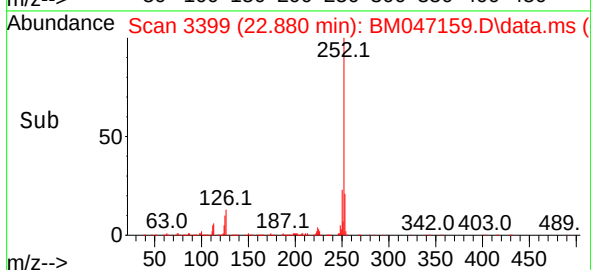
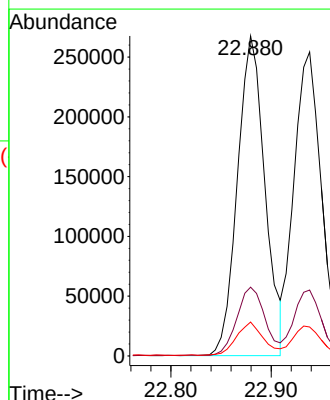
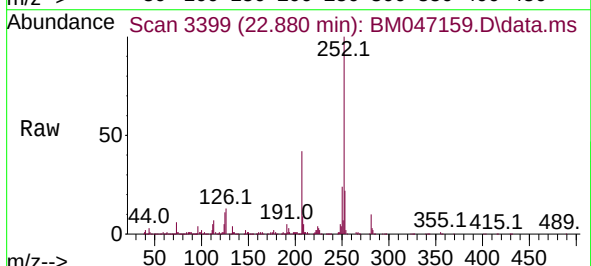
Tgt Ion:252 Resp: 509979

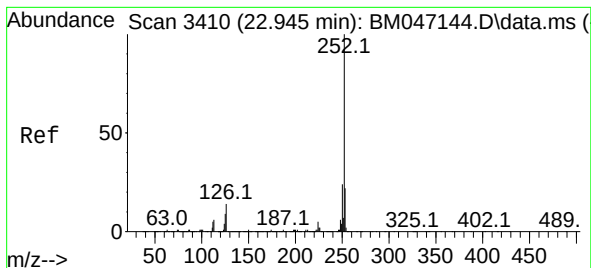
Ion Ratio Lower Upper

252 100

253 21.5 17.8 26.6

125 10.6 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 4.980 ng

RT: 22.938 min Scan# 3410

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

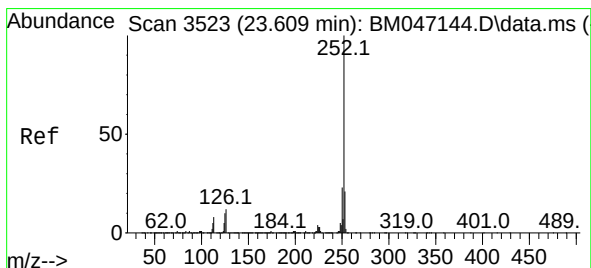
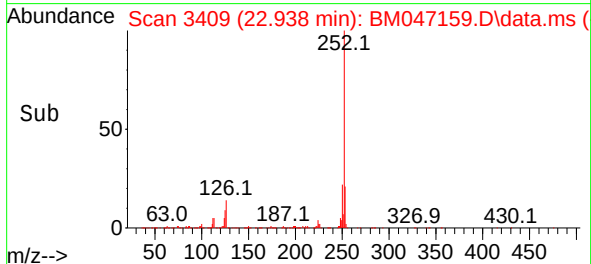
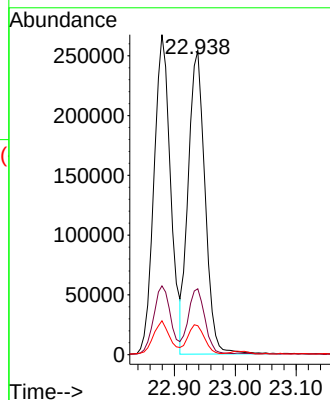
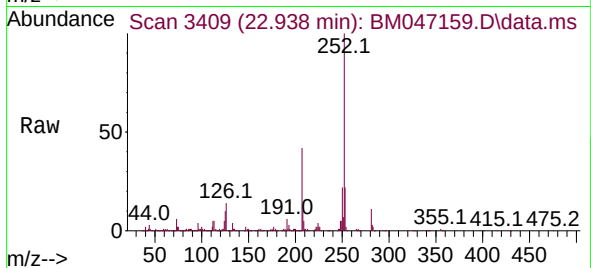
Tgt Ion:252 Resp: 485771

Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 9.5 7.4 11.2



#90

Benzo(a)pyrene

Concen: 4.736 ng

RT: 23.597 min Scan# 3521

Delta R.T. -0.012 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

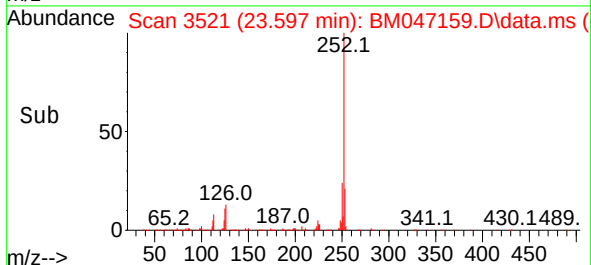
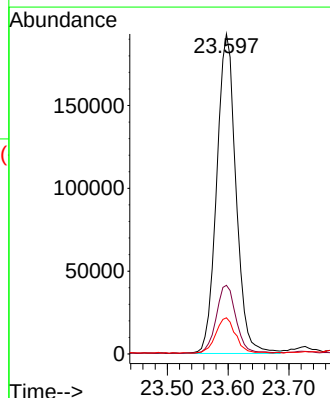
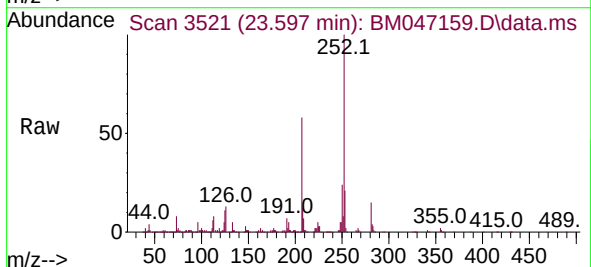
Tgt Ion:252 Resp: 423623

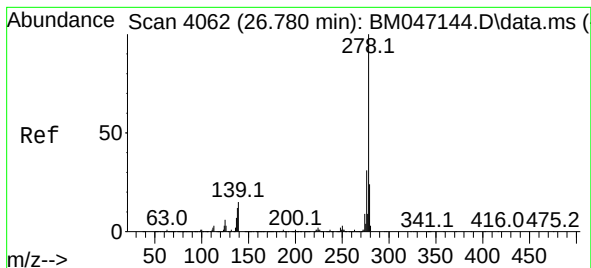
Ion Ratio Lower Upper

252 100

253 21.5 17.1 25.7

125 11.3 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 5.156 ng

RT: 26.768 min Scan# 4062

Delta R.T. -0.012 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

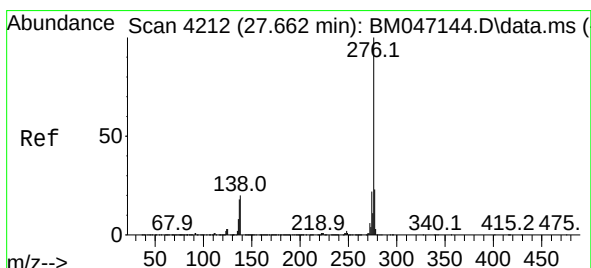
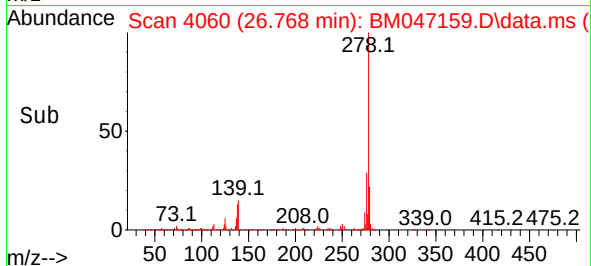
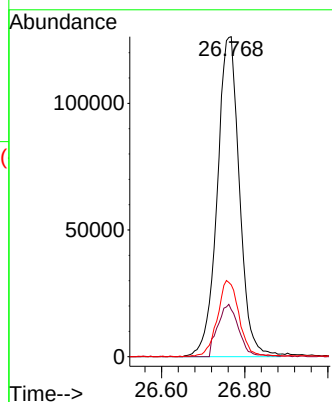
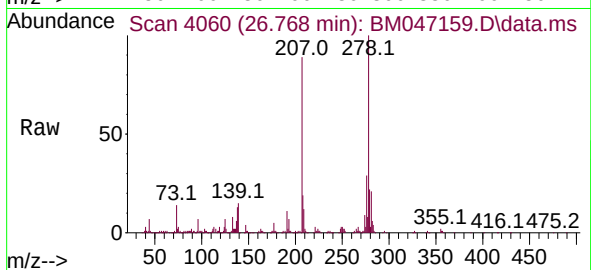
Tgt Ion:278 Resp: 468994

Ion Ratio Lower Upper

278 100

139 14.7 12.0 18.0

279 22.5 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 4.867 ng

RT: 27.638 min Scan# 4208

Delta R.T. -0.024 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Tgt Ion:276 Resp: 459610

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 21.2 16.2 24.4

