

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091724\
 Data File : BM047543.D
 Acq On : 17 Sep 2024 14:14
 Operator : RC/JU
 Sample : P2403-02
 Misc : LOQ-SOIL-10 ppm
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Sep 17 14:49:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 08:56:37 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	371373	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1647092	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	944888	20.000	ng	0.00
64) Phenanthrene-d10	17.209	188	1800922	20.000	ng	0.00
76) Chrysene-d12	21.439	240	1502304	20.000	ng	0.00
86) Perylene-d12	24.462	264	1442147	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	2174230	93.218	ng	0.00
7) Phenol-d6	7.004	99	2977530	90.648	ng	0.00
23) Nitrobenzene-d5	8.998	82	2132328	64.790	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	799058	87.490	ng	0.00
45) 2-Fluorobiphenyl	13.104	172	4276993	62.353	ng	0.00
79) Terphenyl-d14	19.827	244	5825980	69.492	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.322	88	88994	8.908	ng	99
3) Pyridine	3.722	79	217980	7.330	ng	97
4) n-Nitrosodimethylamine	3.628	42	112351	8.327	ng	# 95
6) Aniline	7.169	93	260646	8.950	ng	97
8) 2-Chlorophenol	7.410	128	190677	7.416	ng	97
9) Benzaldehyde	6.987	77	198995	12.741	ng	100
10) Phenol	7.034	94	243848	7.414	ng	98
11) bis(2-Chloroethyl)ether	7.269	93	202819	7.681	ng	98
12) 1,3-Dichlorobenzene	7.739	146	202772	7.205	ng	97
13) 1,4-Dichlorobenzene	7.881	146	208735	7.282	ng	97
14) 1,2-Dichlorobenzene	8.204	146	202120	7.165	ng	97
15) Benzyl Alcohol	8.081	79	164686	7.402	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.369	45	306015	8.239	ng	99
17) 2-Methylphenol	8.281	107	146232	6.960	ng	98
18) Hexachloroethane	8.933	117	85383	7.456	ng	94
19) n-Nitroso-di-n-propyla...	8.651	70	161080	7.273	ng	98
20) 3+4-Methylphenols	8.604	107	197279	6.729	ng	97
22) Acetophenone	8.663	105	321682	7.429	ng	# 98
24) Nitrobenzene	9.039	77	249498	7.377	ng	97
25) Isophorone	9.569	82	421015	7.276	ng	99
26) 2-Nitrophenol	9.757	139	67613	5.867	ng	99
27) 2,4-Dimethylphenol	9.810	122	92236	5.280	ng	98
28) bis(2-Chloroethoxy)met...	10.051	93	267362	7.356	ng	99
29) 2,4-Dichlorophenol	10.286	162	140587	6.334	ng	98
30) 1,2,4-Trichlorobenzene	10.504	180	168109	6.612	ng	98
31) Naphthalene	10.692	128	608314	6.838	ng	99
32) Benzoic acid	9.892	122	123113	12.851	ng	97
33) 4-Chloroaniline	10.792	127	234487	7.291	ng	100
34) Hexachlorobutadiene	10.986	225	89450	6.352	ng	99
35) Caprolactam	11.545	113	46313	6.335	ng	96
36) 4-Chloro-3-methylphenol	11.916	107	162125	6.374	ng	98
37) 2-Methylnaphthalene	12.304	142	390560	6.597	ng	96
38) 1-Methylnaphthalene	12.521	142	362710	6.165	ng	99
40) 1,2,4,5-Tetrachloroben...	12.668	216	167978	6.570	ng	97
41) Hexachlorocyclopentadiene	12.663	237	94675	11.327	ng	93
43) 2,4,6-Trichlorophenol	12.910	196	95632	5.970	ng	98

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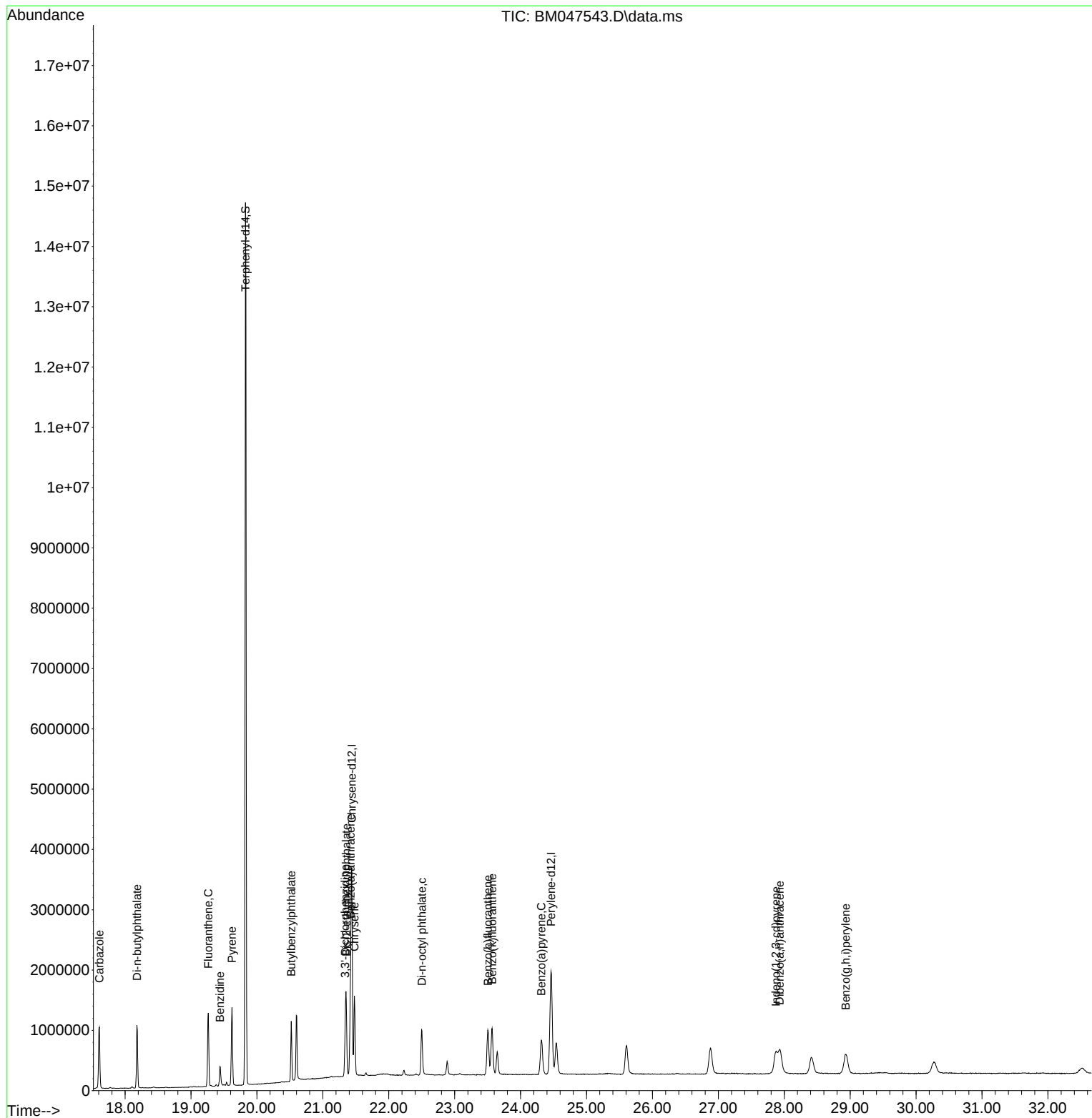
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.974	196	107326	5.932	ng	94
46) 1,1'-Biphenyl	13.316	154	514680	7.001	ng	99
47) 2-Chloronaphthalene	13.351	162	378096	6.623	ng	98
48) 2-Nitroaniline	13.545	65	104261	6.218	ng	94
49) Acenaphthylene	14.198	152	590354	7.166	ng	98
50) Dimethylphthalate	13.933	163	439411	6.823	ng	100
51) 2,6-Dinitrotoluene	14.045	165	83729	6.159	ng	97
52) Acenaphthene	14.539	154	369445	6.401	ng	98
53) 3-Nitroaniline	14.368	138	95027	6.288	ng	97
54) 2,4-Dinitrophenol	14.568	184	29220	8.280	ng	86
55) Dibenzofuran	14.874	168	547071	6.745	ng	96
56) 4-Nitrophenol	14.668	139	75713	6.089	ng	96
57) 2,4-Dinitrotoluene	14.827	165	105357	5.811	ng	93
58) Fluorene	15.521	166	449377	6.154	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.098	232	85151	6.036	ng	93
60) Diethylphthalate	15.298	149	460468	6.718	ng	99
61) 4-Chlorophenyl-phenyle...	15.521	204	199551	5.976	ng	99
62) 4-Nitroaniline	15.521	138	98346	5.537	ng	89
63) Azobenzene	15.809	77	562761	7.457	ng	96
65) 4,6-Dinitro-2-methylph...	15.586	198	52257	12.018	ng	92
66) n-Nitrosodiphenylamine	15.727	169	353009	6.407	ng	98
67) 4-Bromophenyl-phenylether	16.409	248	106367	6.078	ng	99
68) Hexachlorobenzene	16.521	284	119884	6.047	ng	94
69) Atrazine	16.674	200	99382	6.526	ng	99
70) Pentachlorophenol	16.862	266	116824	10.166	ng	97
71) Phenanthrene	17.251	178	649070	6.540	ng	99
72) Anthracene	17.345	178	601698	6.310	ng	100
73) Carbazole	17.609	167	602324	6.374	ng	99
74) Di-n-butylphthalate	18.180	149	704798	6.233	ng	98
75) Fluoranthene	19.262	202	639611	5.907	ng	97
77) Benzidine	19.439	184	185394	8.762	ng	99
78) Pyrene	19.621	202	678868	6.195	ng	99
80) Butylbenzylphthalate	20.521	149	248137	5.882	ng	92
81) Benzo(a)anthracene	21.421	228	665774	6.799	ng	99
82) 3,3'-Dichlorobenzidine	21.339	252	176551	6.778	ng	99
83) Chrysene	21.480	228	629392	6.795	ng	99
84) Bis(2-ethylhexyl)phtha...	21.356	149	411800	6.232	ng	98
85) Di-n-octyl phthalate	22.503	149	583687	6.244	ng	98
87) Indeno(1,2,3-cd)pyrene	27.873	276	626631	7.261	ng	98
88) Benzo(b)fluoranthene	23.503	252	573375	6.145	ng	98
89) Benzo(k)fluoranthene	23.568	252	607851	6.573	ng	98
90) Benzo(a)pyrene	24.315	252	513140	6.710	ng	# 97
91) Dibenzo(a,h)anthracene	27.932	278	507096	6.984	ng	98
92) Benzo(g,h,i)perylene	28.932	276	487228	6.869	ng	98

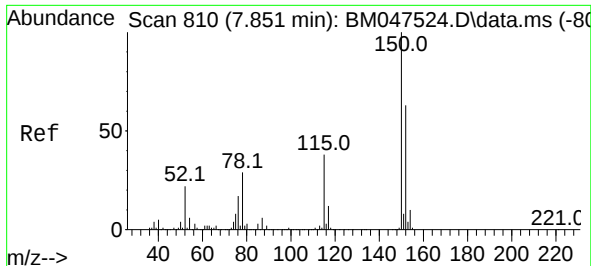
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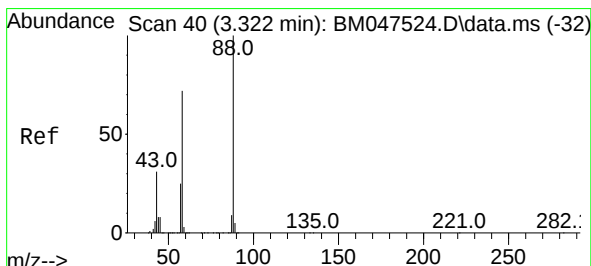
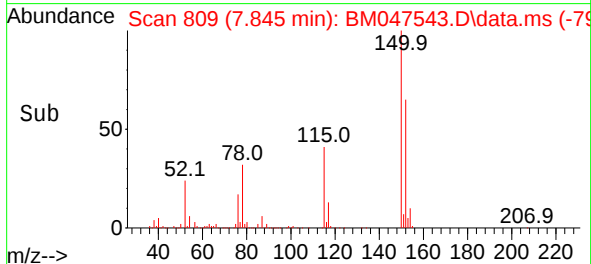
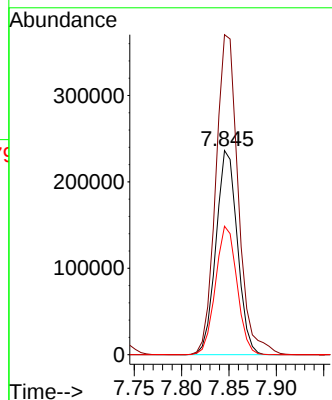
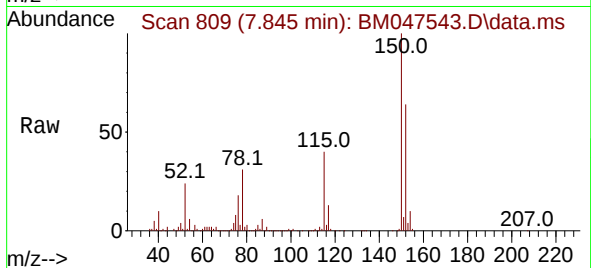




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

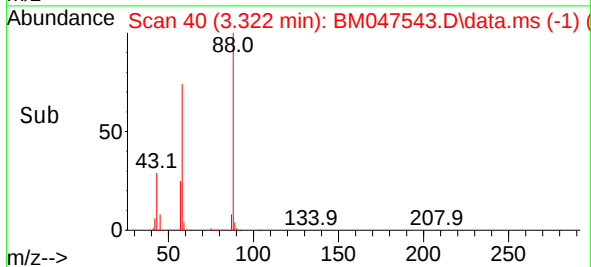
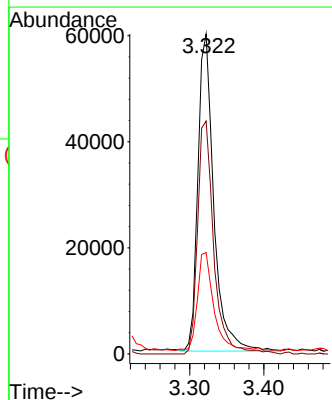
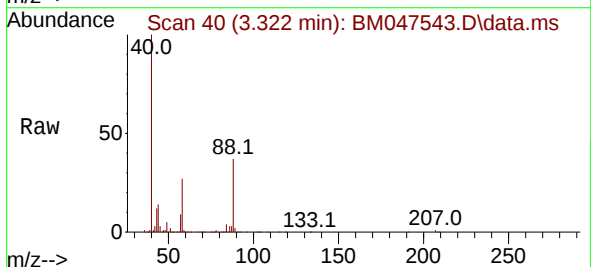
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

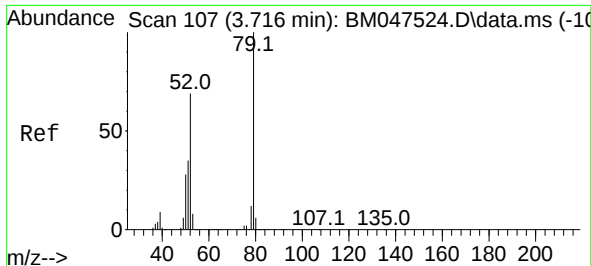
Tgt Ion:152 Resp: 371373
Ion Ratio Lower Upper
152 100
150 156.7 126.8 190.2
115 62.9 47.8 71.8



#2
1,4-Dioxane
Concen: 8.908 ng
RT: 3.322 min Scan# 40
Delta R.T. -0.000 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

Tgt Ion: 88 Resp: 88994
Ion Ratio Lower Upper
88 100
58 74.8 59.0 88.6
43 31.9 25.0 37.4

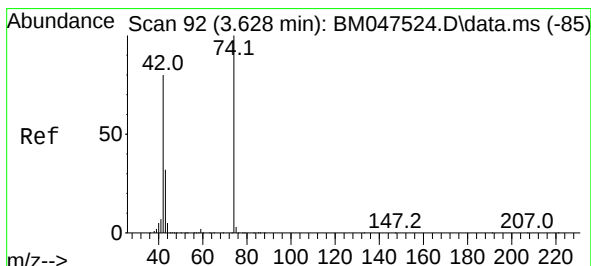
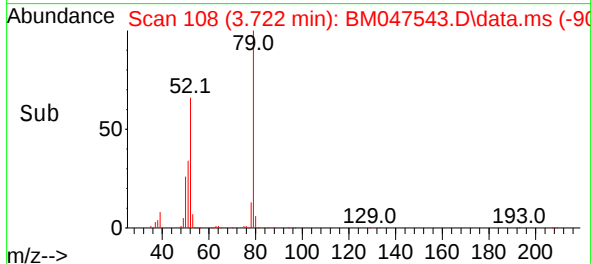
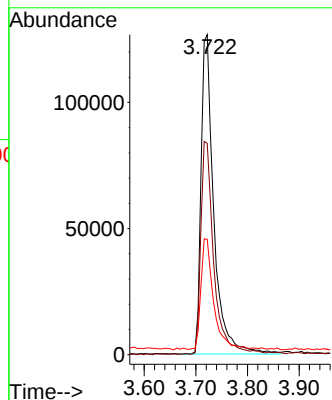
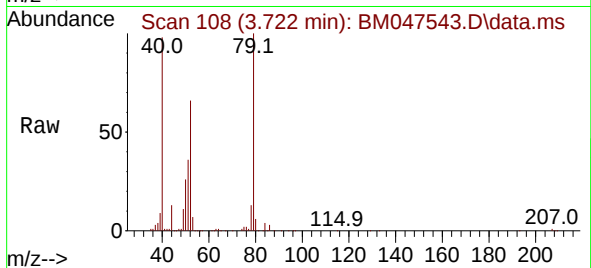




#3
Pyridine
Concen: 7.330 ng
RT: 3.722 min Scan# 107
Delta R.T. 0.006 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

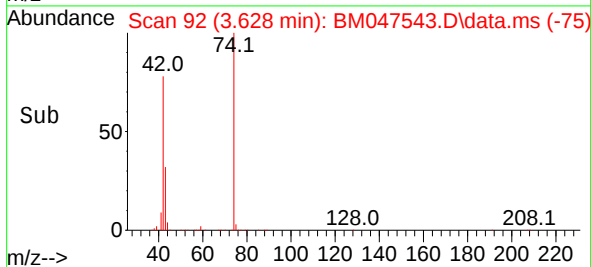
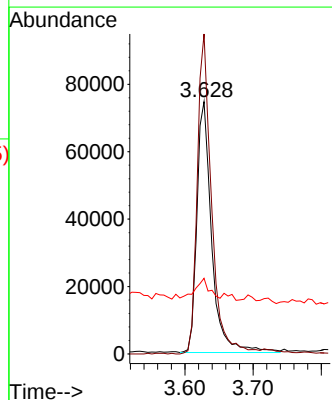
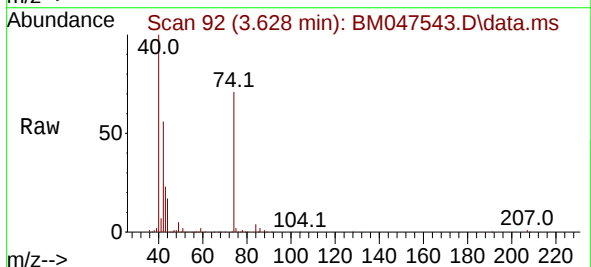
Instrument :
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ClientSampleId :
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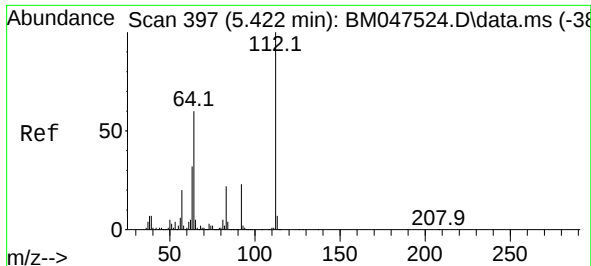
Tgt Ion: 79 Resp: 217980
Ion Ratio Lower Upper
79 100
52 66.1 55.4 83.0
51 36.0 27.9 41.9



#4
n-Nitrosodimethylamine
Concen: 8.327 ng
RT: 3.628 min Scan# 92
Delta R.T. -0.000 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

Tgt Ion: 42 Resp: 112351
Ion Ratio Lower Upper
42 100
74 126.8 100.5 150.7
44 30.0 6.9 10.3#

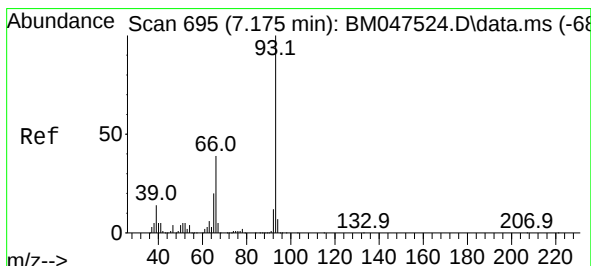
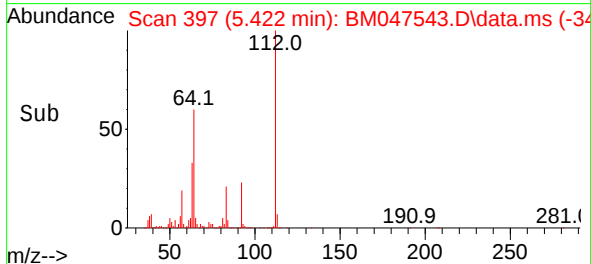
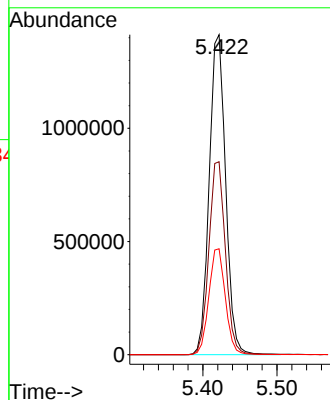
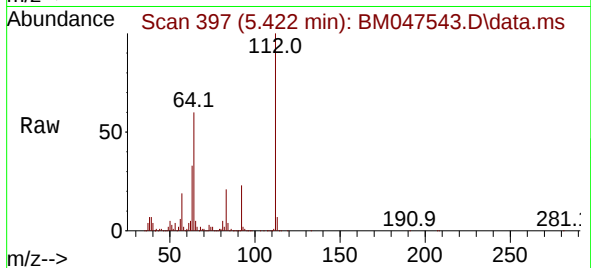




#5
2-Fluorophenol
Concen: 93.218 ng
RT: 5.422 min Scan# 397
Delta R.T. -0.000 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

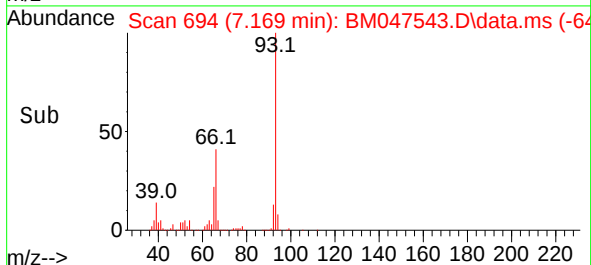
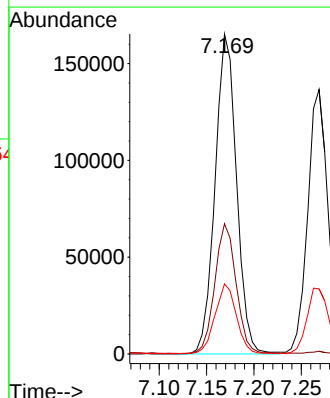
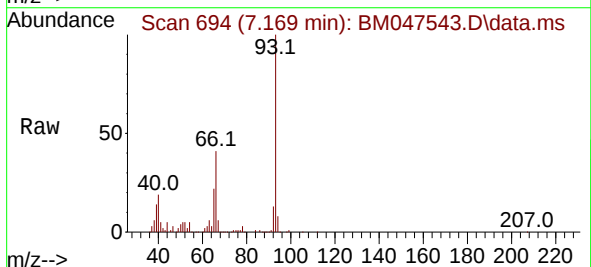
Instrument :
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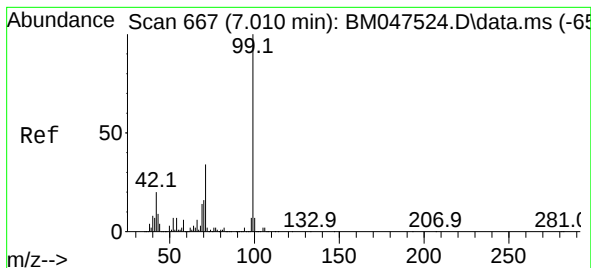
Tgt Ion:112 Resp: 2174230
Ion Ratio Lower Upper
112 100
64 60.3 48.2 72.4
63 33.1 26.0 39.0



#6
Aniline
Concen: 8.950 ng
RT: 7.169 min Scan# 694
Delta R.T. -0.006 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

Tgt Ion: 93 Resp: 260646
Ion Ratio Lower Upper
93 100
66 40.7 31.4 47.0
65 21.9 16.3 24.5





#7

Phenol-d6

Concen: 90.648 ng

RT: 7.004 min Scan# 6

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

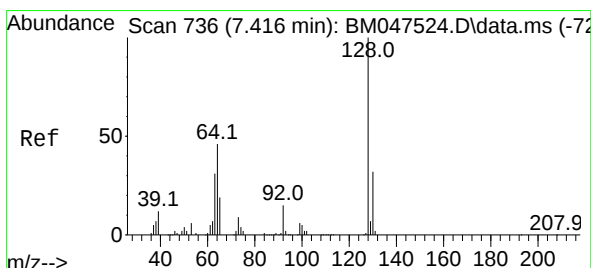
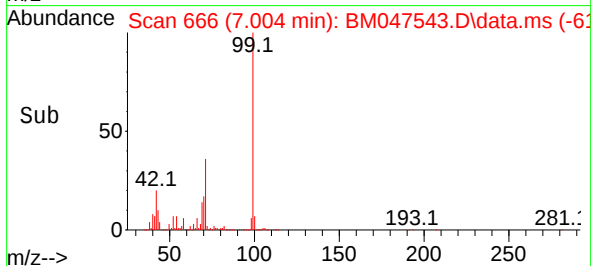
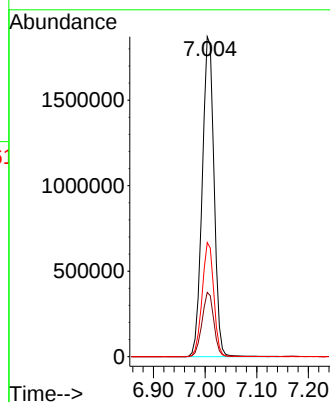
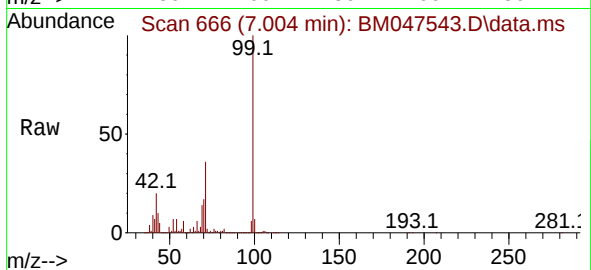
Tgt Ion: 99 Resp: 2977530

Ion Ratio Lower Upper

99 100

42 20.1 15.8 23.8

71 35.6 27.6 41.4



#8

2-Chlorophenol

Concen: 7.416 ng

RT: 7.410 min Scan# 735

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

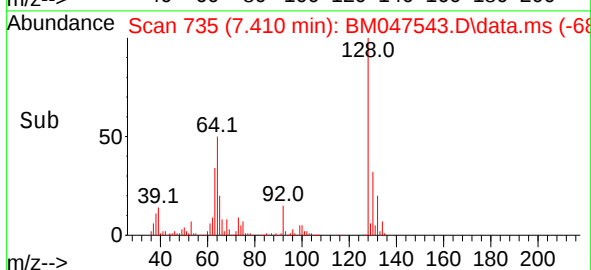
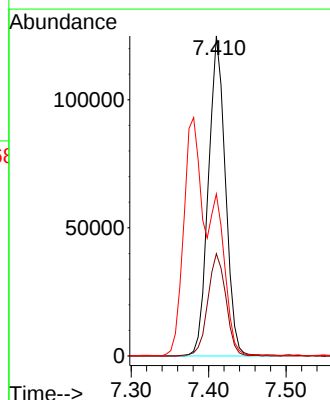
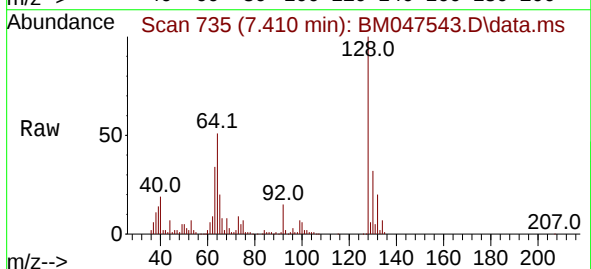
Tgt Ion: 128 Resp: 190677

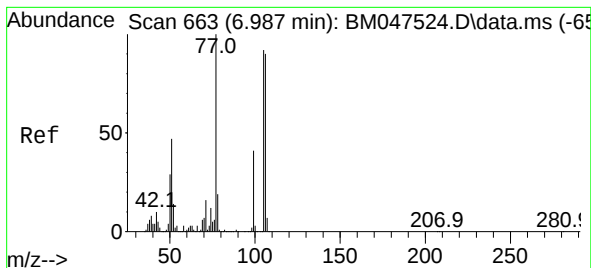
Ion Ratio Lower Upper

128 100

130 32.0 11.8 51.8

64 50.6 27.6 67.6





#9

Benzaldehyde

Concen: 12.741 ng

RT: 6.987 min Scan# 6

Delta R.T. -0.000 min

Lab File: BM047543.D

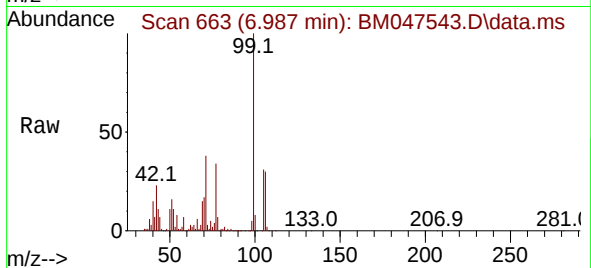
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Instrument :

BNA_M

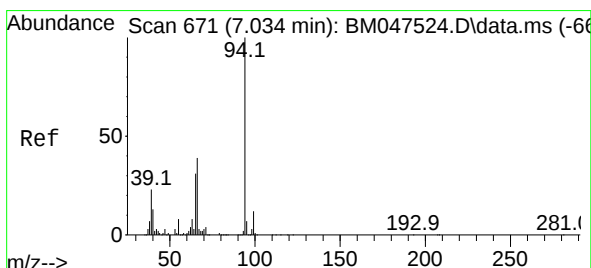
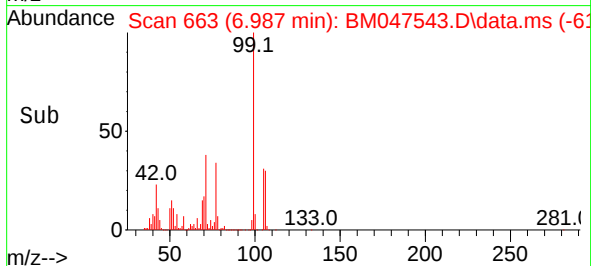
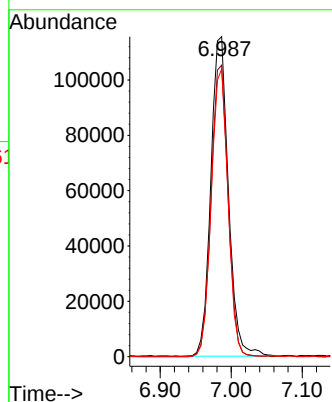
ClientSampleId :

LOQ-SOIL-02-QT2-2024



Tgt Ion: 77 Resp: 198995

Ion	Ratio	Lower	Upper
77	100		
105	91.1	71.8	111.8
106	89.9	69.7	109.7



#10

Phenol

Concen: 7.414 ng

RT: 7.034 min Scan# 671

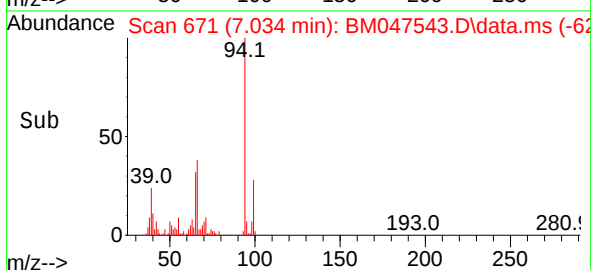
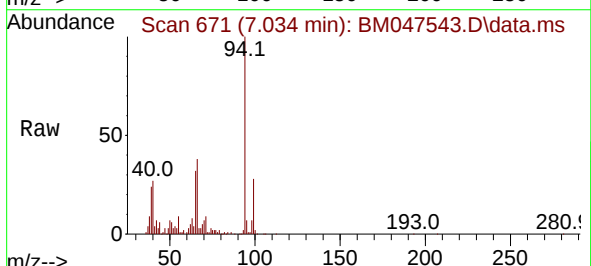
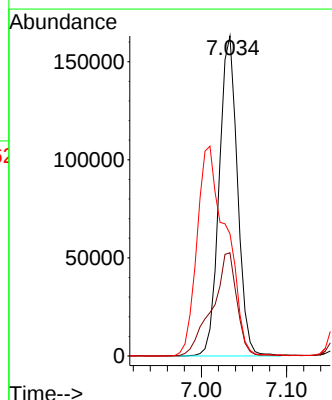
Delta R.T. -0.000 min

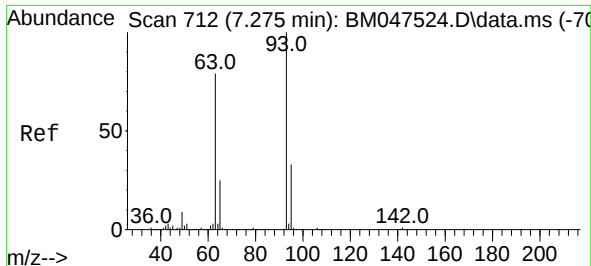
Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Tgt Ion: 94 Resp: 243848

Ion	Ratio	Lower	Upper
94	100		
65	32.3	10.8	50.8
66	38.2	19.2	59.2

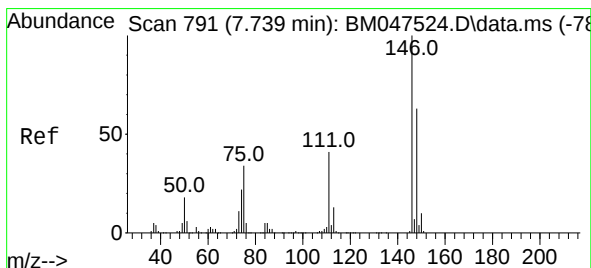
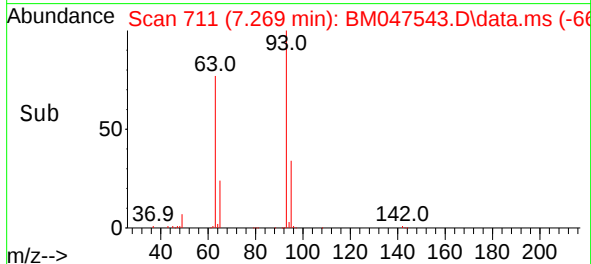
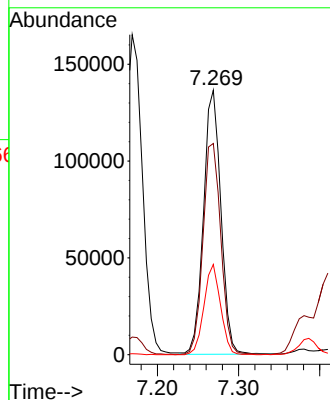
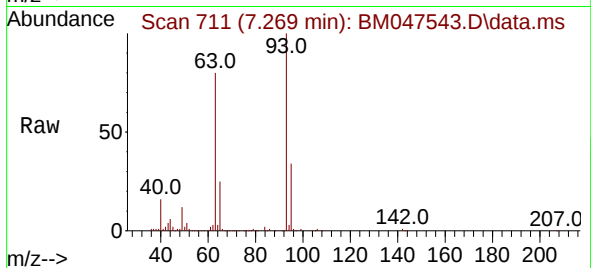




#11
bis(2-Chloroethyl)ether
Concen: 7.681 ng
RT: 7.269 min Scan# 712
Delta R.T. -0.006 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

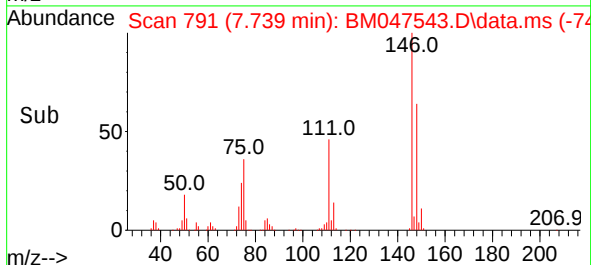
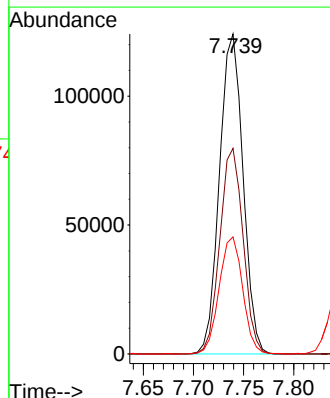
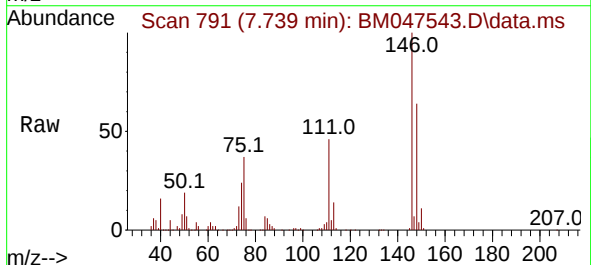
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

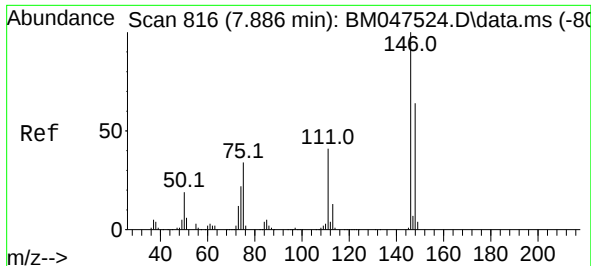
Tgt Ion: 93 Resp: 202819
Ion Ratio Lower Upper
93 100
63 79.8 58.2 98.2
95 34.1 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 7.205 ng
RT: 7.739 min Scan# 791
Delta R.T. -0.000 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

Tgt Ion:146 Resp: 202772
Ion Ratio Lower Upper
146 100
148 64.2 50.2 75.4
75 36.6 27.4 41.0

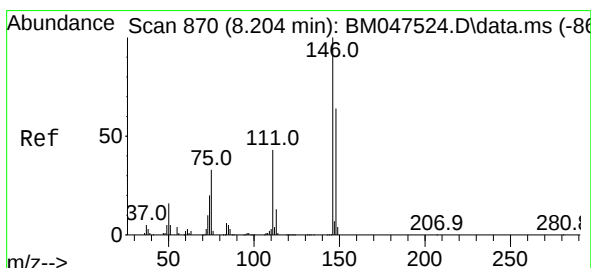
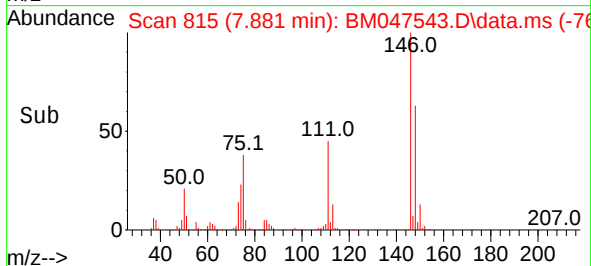
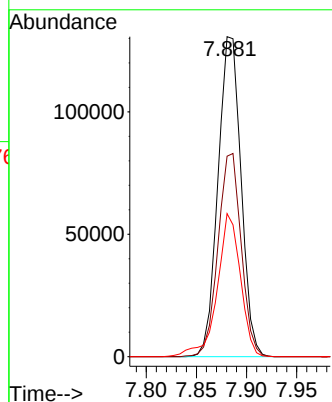
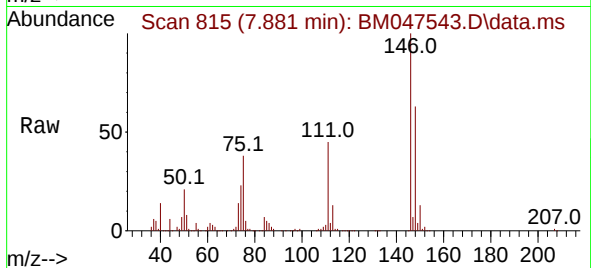




#13
1,4-Dichlorobenzene
Concen: 7.282 ng
RT: 7.881 min Scan# 816
Delta R.T. -0.006 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

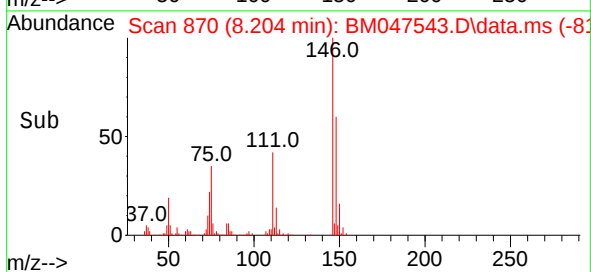
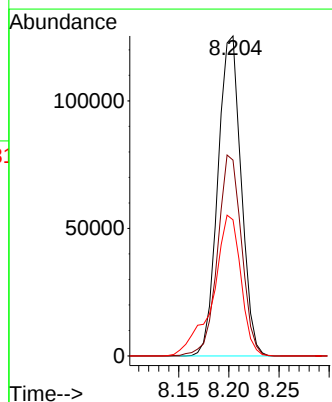
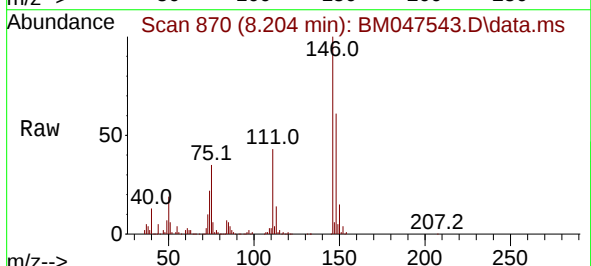
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

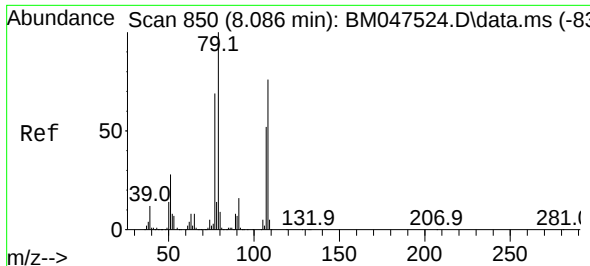
Tgt Ion:146 Resp: 208735
Ion Ratio Lower Upper
146 100
148 62.6 51.3 76.9
111 44.7 32.9 49.3



#14
1,2-Dichlorobenzene
Concen: 7.165 ng
RT: 8.204 min Scan# 870
Delta R.T. -0.000 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

Tgt Ion:146 Resp: 202120
Ion Ratio Lower Upper
146 100
148 61.2 51.1 76.7
111 42.6 34.7 52.1

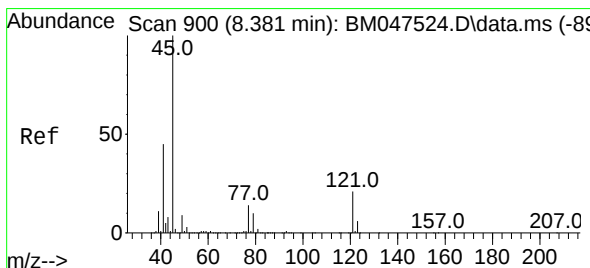
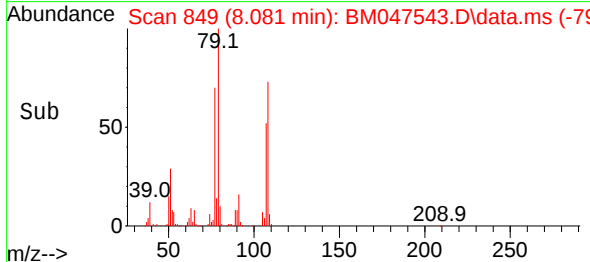
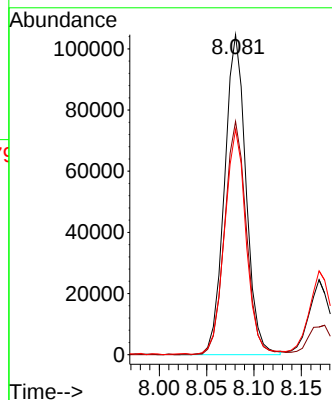
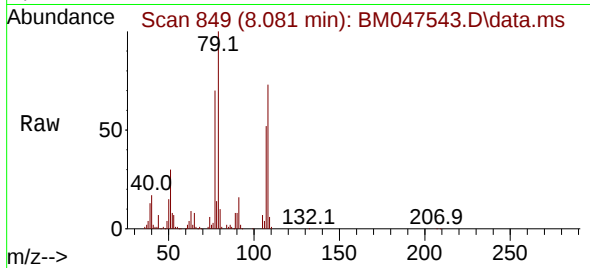




#15
Benzyl Alcohol
Concen: 7.402 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.006 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

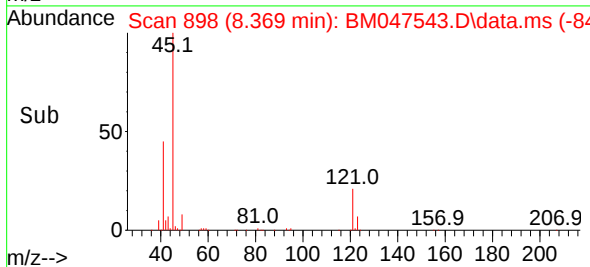
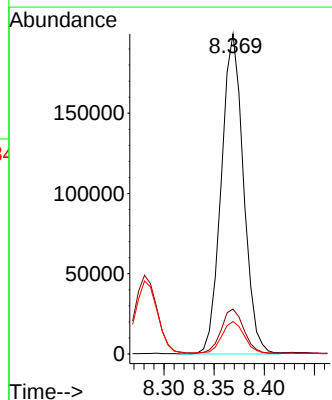
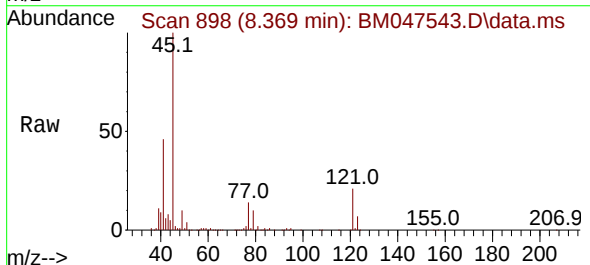
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

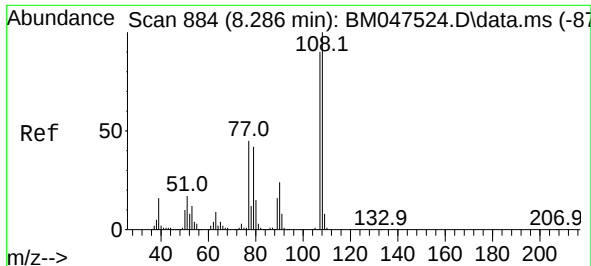
Tgt Ion: 79 Resp: 164686
Ion Ratio Lower Upper
79 100
108 72.9 60.6 91.0
77 70.4 55.0 82.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.239 ng
RT: 8.369 min Scan# 898
Delta R.T. -0.012 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

Tgt Ion: 45 Resp: 306015
Ion Ratio Lower Upper
45 100
77 14.0 0.0 33.7
79 10.1 0.0 30.3

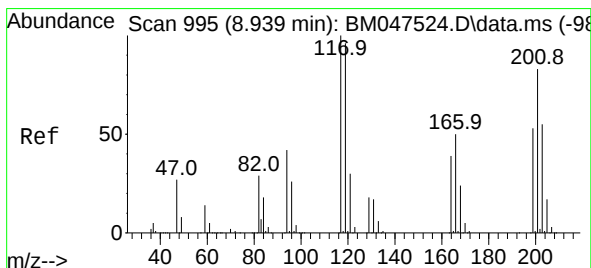
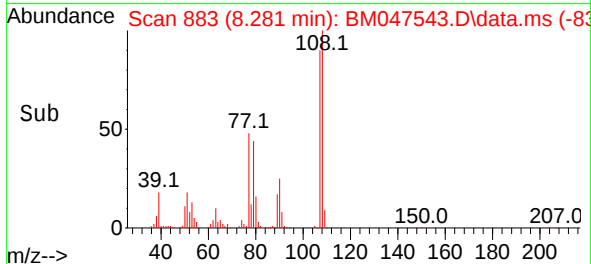
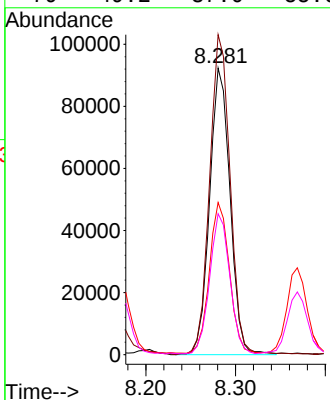
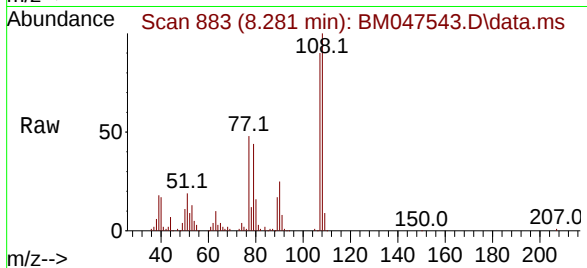




#17
2-Methylphenol
Concen: 6.960 ng
RT: 8.281 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

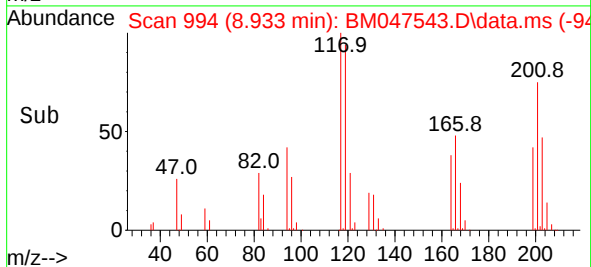
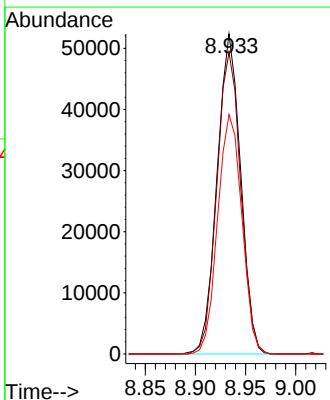
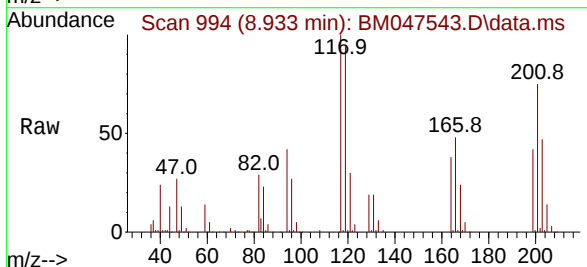
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

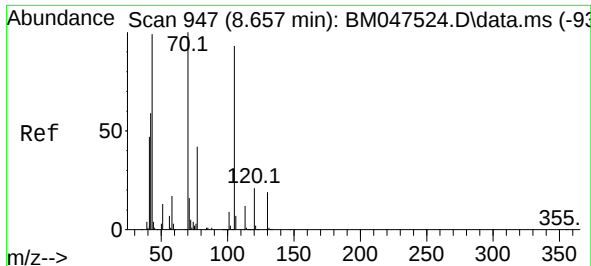
Tgt Ion:	107	Resp:	146232
Ion	Ratio	Lower	Upper
107	100		
108	111.6	88.9	133.3
77	53.1	39.8	59.8
79	49.2	37.0	55.6



#18
Hexachloroethane
Concen: 7.456 ng
RT: 8.933 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

Tgt Ion:	117	Resp:	85383
Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.0	115.4
201	74.8	66.8	100.2

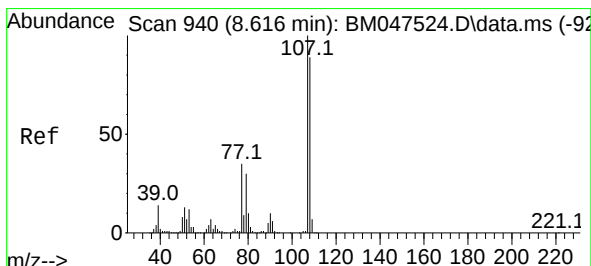
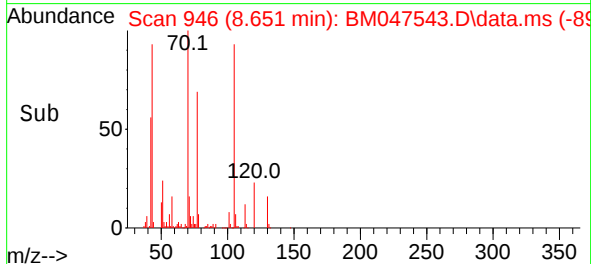
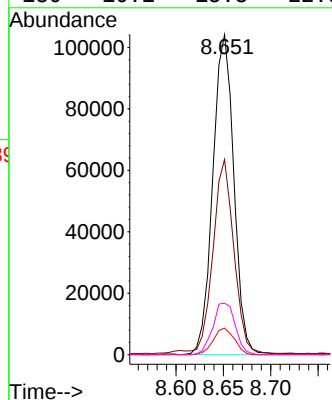
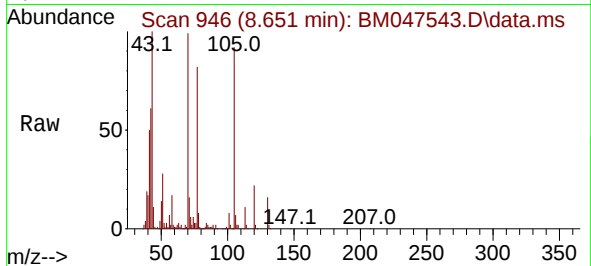




#19
n-Nitroso-di-n-propylamine
Concen: 7.273 ng
RT: 8.651 min Scan# 947
Delta R.T. -0.006 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

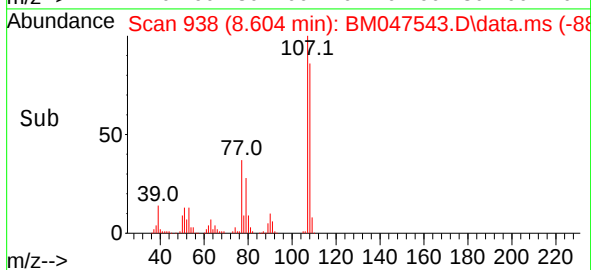
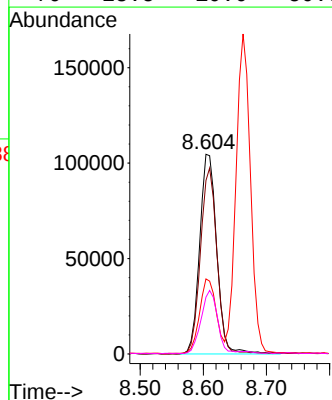
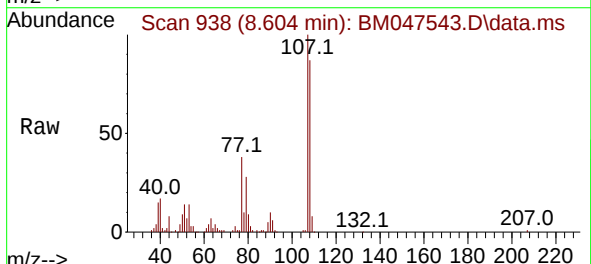
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

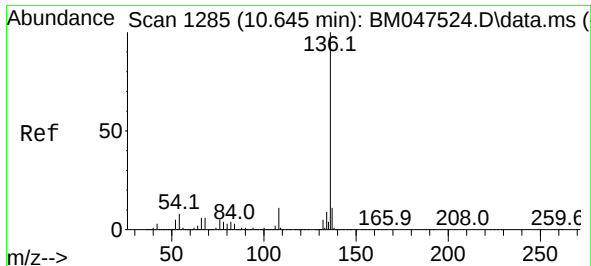
Tgt Ion: 70 Resp: 161080
Ion Ratio Lower Upper
70 100
42 61.0 48.2 72.2
101 8.3 7.0 10.4
130 16.1 15.3 22.9



#20
3+4-Methylphenols
Concen: 6.729 ng
RT: 8.604 min Scan# 938
Delta R.T. -0.012 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

Tgt Ion:107 Resp: 197279
Ion Ratio Lower Upper
107 100
108 86.8 68.9 108.9
77 37.6 15.5 55.5
79 28.5 10.0 50.0



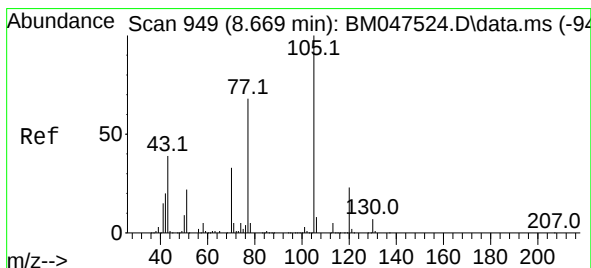
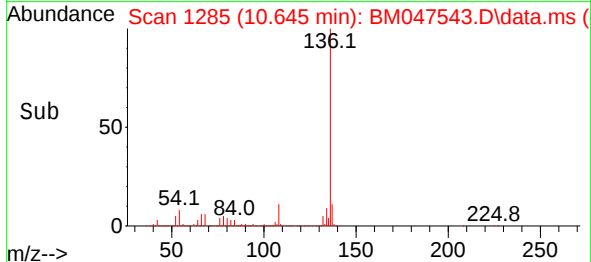
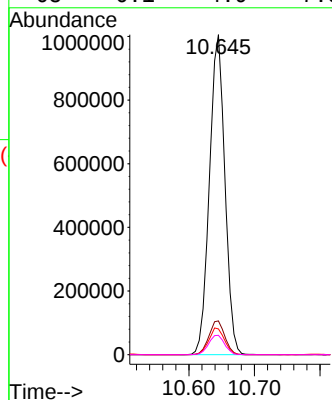
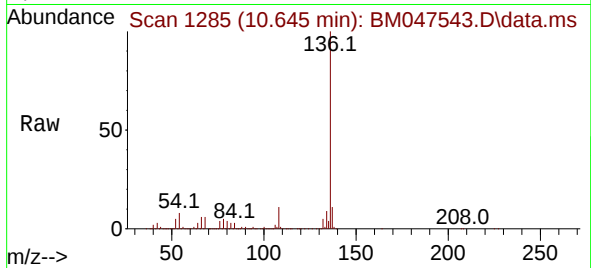


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

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

Tgt Ion:136 Resp: 1647092

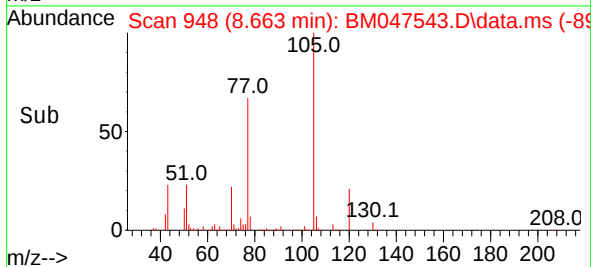
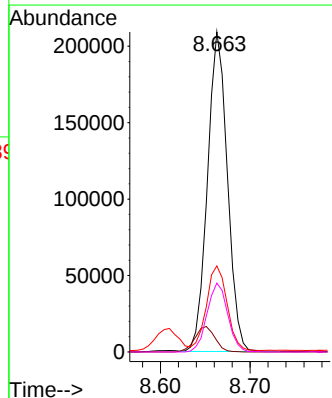
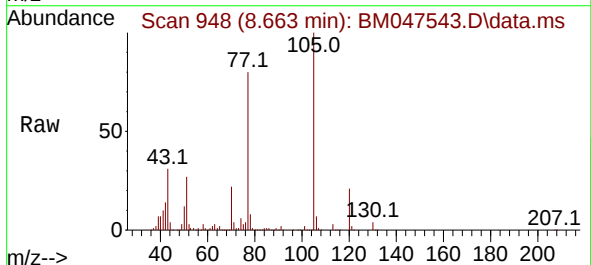
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.0	13.6
54	8.1	6.6	9.8
68	6.1	4.9	7.3

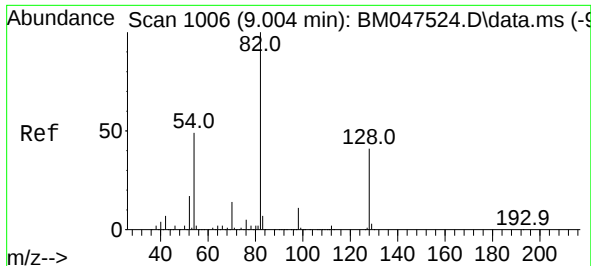


#22
Acetophenone
Concen: 7.429 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

Tgt Ion:105 Resp: 321682

Ion	Ratio	Lower	Upper
105	100		
71	3.6	4.3	6.5#
51	26.9	21.5	32.3
120	21.5	18.6	28.0





#23

Nitrobenzene-d5

Concen: 64.790 ng

RT: 8.998 min Scan# 1005

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

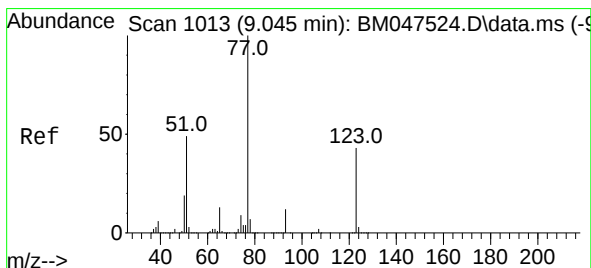
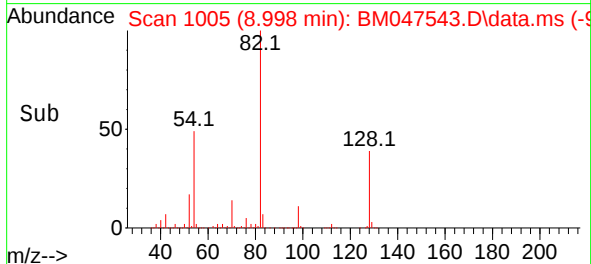
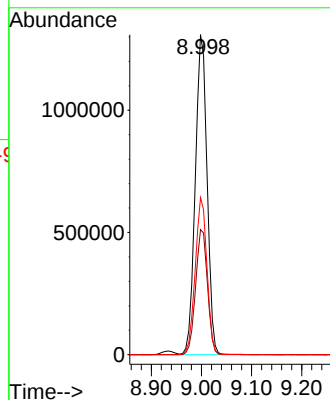
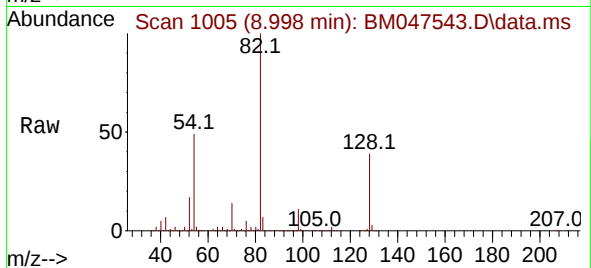
Tgt Ion: 82 Resp: 2132328

Ion Ratio Lower Upper

82 100

128 39.1 33.0 49.4

54 49.1 39.3 58.9



#24

Nitrobenzene

Concen: 7.377 ng

RT: 9.039 min Scan# 1012

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

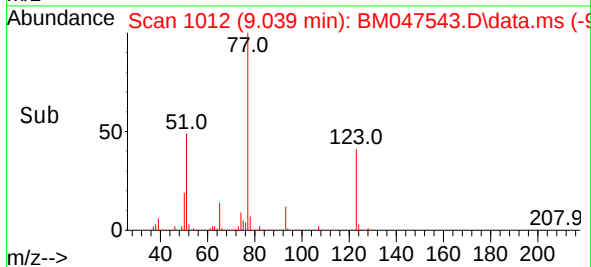
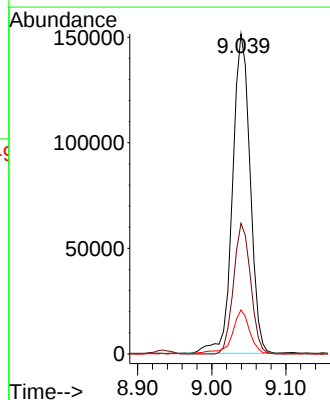
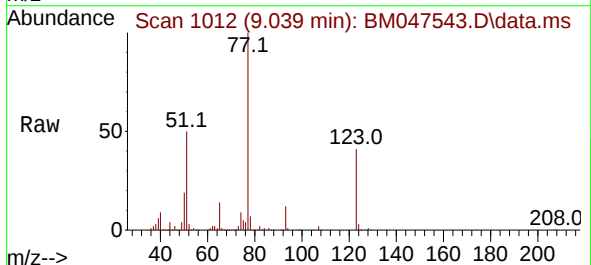
Tgt Ion: 77 Resp: 249498

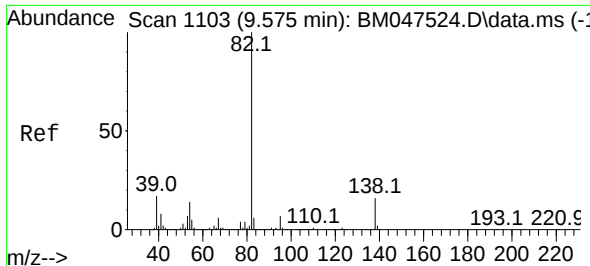
Ion Ratio Lower Upper

77 100

123 40.8 34.5 51.7

65 13.8 10.7 16.1





#25

Isophorone

Concen: 7.276 ng

RT: 9.569 min Scan# 1102

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

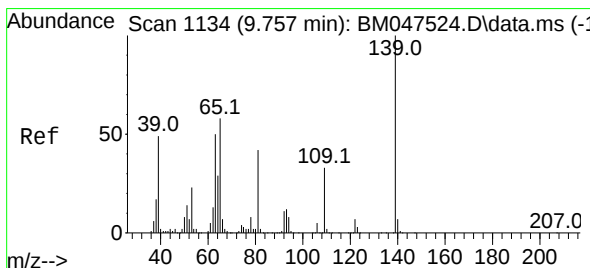
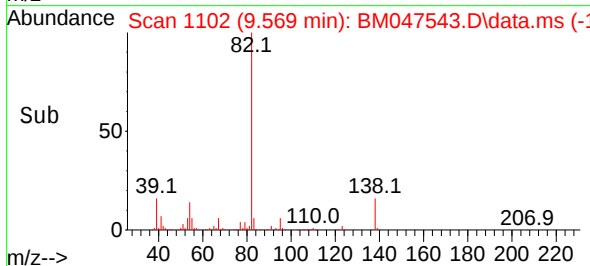
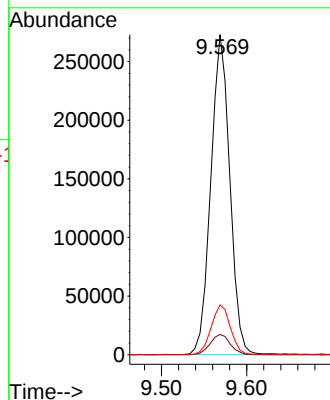
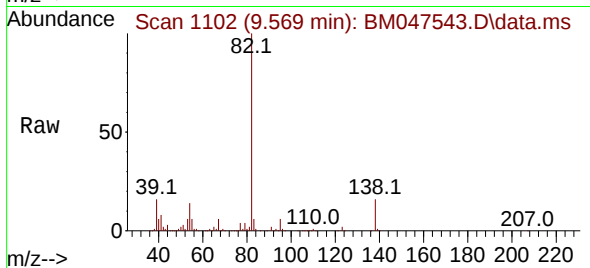
Tgt Ion: 82 Resp: 421015

Ion Ratio Lower Upper

82 100

95 6.3 5.4 8.0

138 15.6 12.9 19.3



#26

2-Nitrophenol

Concen: 5.867 ng

RT: 9.757 min Scan# 1134

Delta R.T. -0.000 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

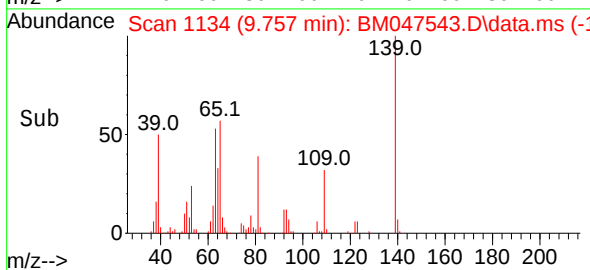
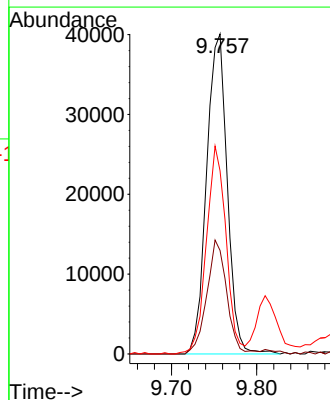
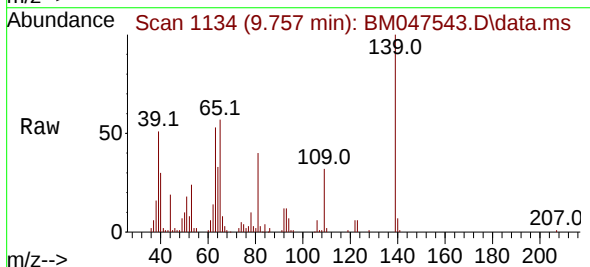
Tgt Ion:139 Resp: 67613

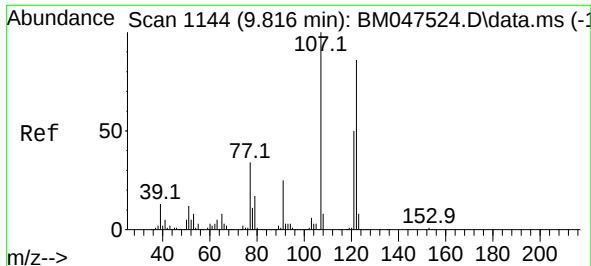
Ion Ratio Lower Upper

139 100

109 32.4 26.0 39.0

65 57.2 46.2 69.4





#27

2,4-Dimethylphenol

Concen: 5.280 ng

RT: 9.810 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

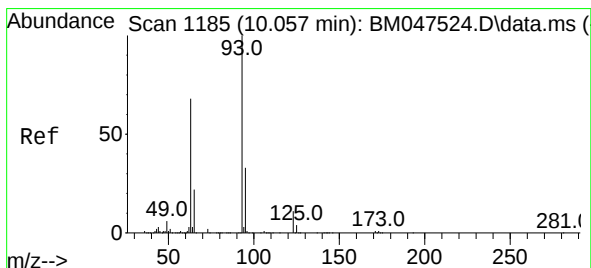
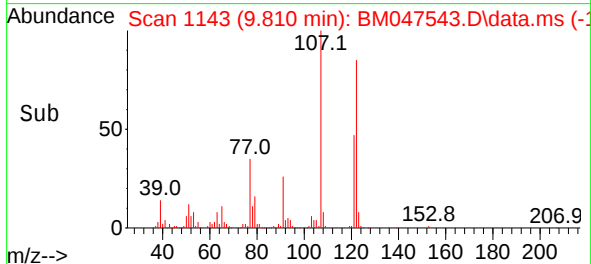
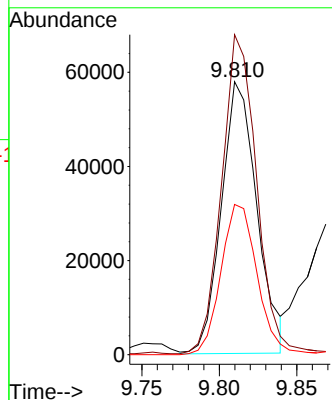
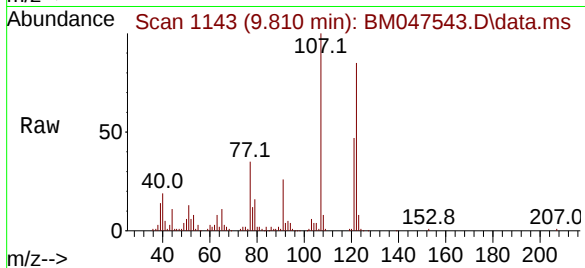
Tgt Ion:122 Resp: 92236

Ion Ratio Lower Upper

122 100

107 117.2 92.4 138.6

121 55.0 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 7.356 ng

RT: 10.051 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

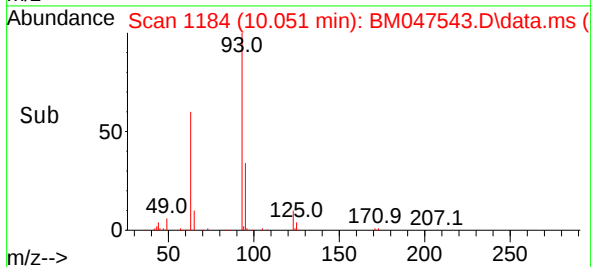
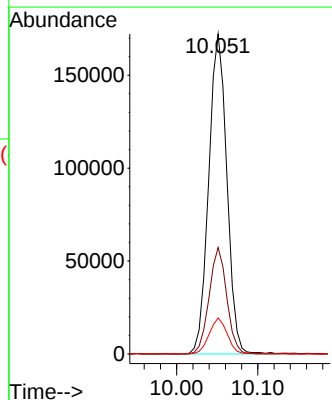
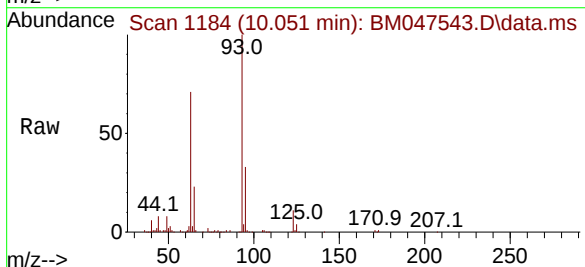
Tgt Ion: 93 Resp: 267362

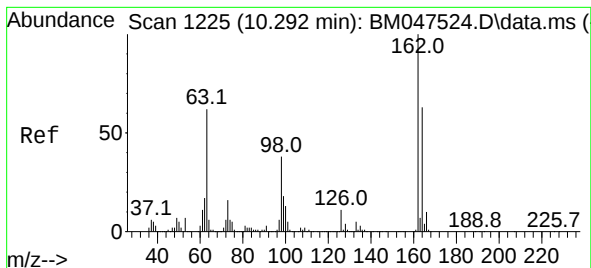
Ion Ratio Lower Upper

93 100

95 33.3 26.2 39.2

123 11.2 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 6.334 ng

RT: 10.286 min Scan# 1224

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

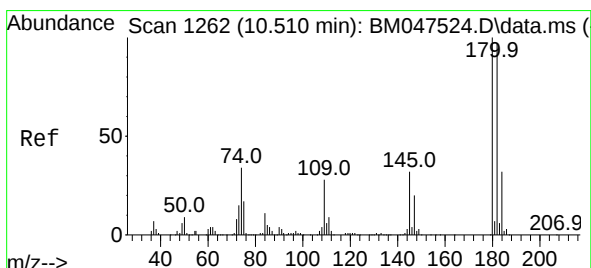
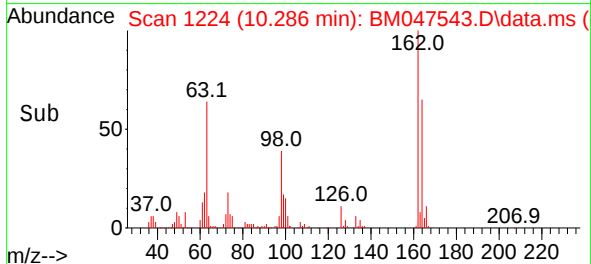
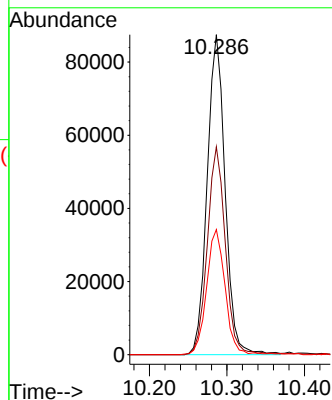
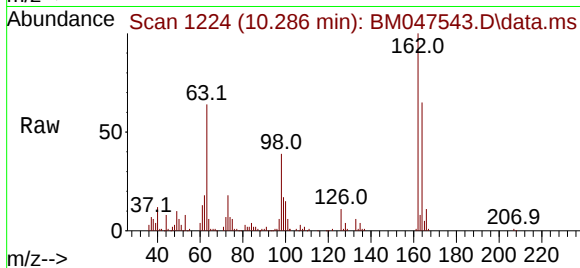
Tgt Ion:162 Resp: 140587

Ion Ratio Lower Upper

162 100

164 64.9 43.5 83.5

98 39.1 17.6 57.6



#30

1,2,4-Trichlorobenzene

Concen: 6.612 ng

RT: 10.504 min Scan# 1261

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

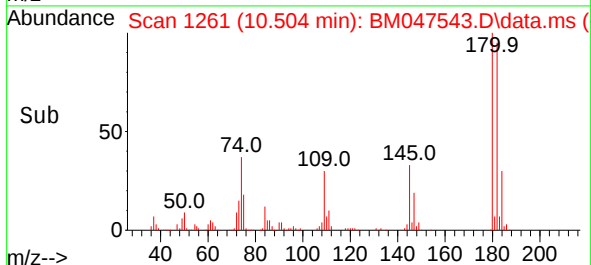
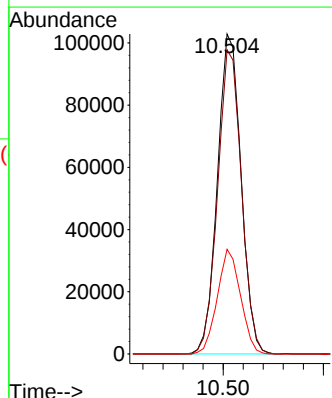
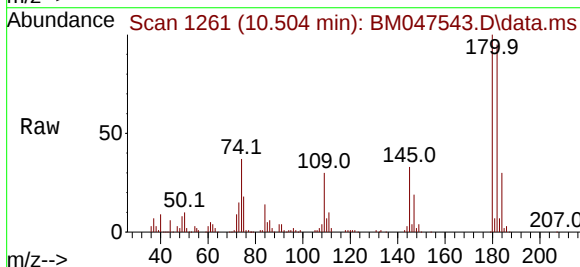
Tgt Ion:180 Resp: 168109

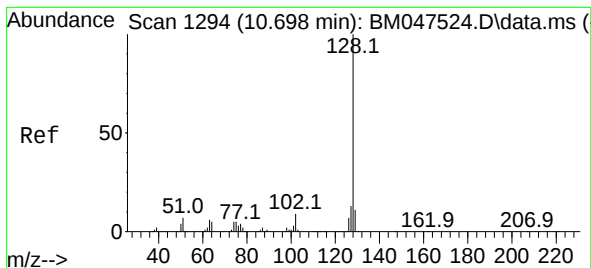
Ion Ratio Lower Upper

180 100

182 95.0 77.6 116.4

145 32.7 25.4 38.0





#31

Naphthalene

Concen: 6.838 ng

RT: 10.692 min Scan# 1157

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

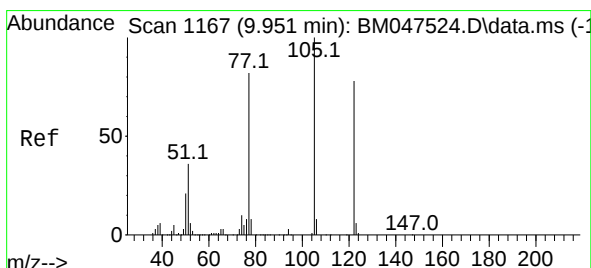
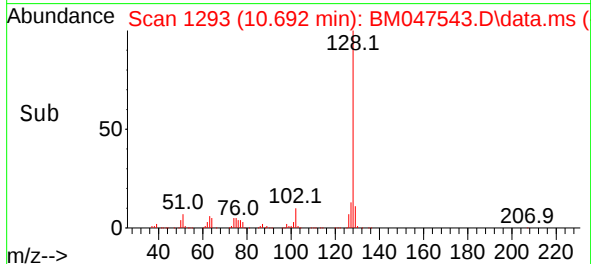
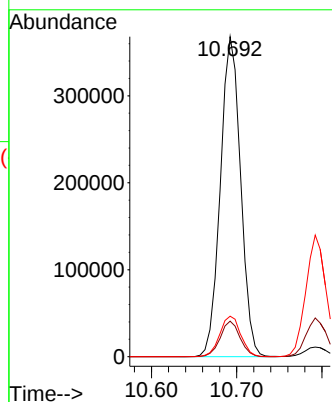
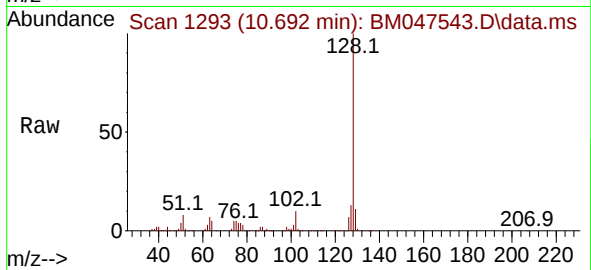
Tgt Ion:128 Resp: 608314

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

127 12.6 10.5 15.7



#32

Benzoic acid

Concen: 12.851 ng

RT: 9.892 min Scan# 1157

Delta R.T. -0.059 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

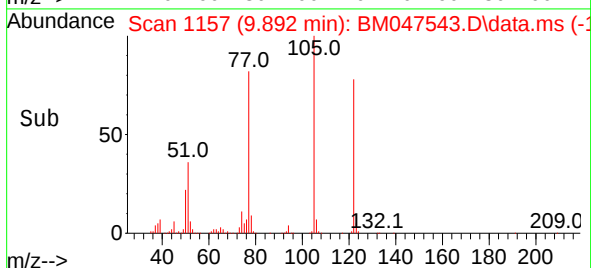
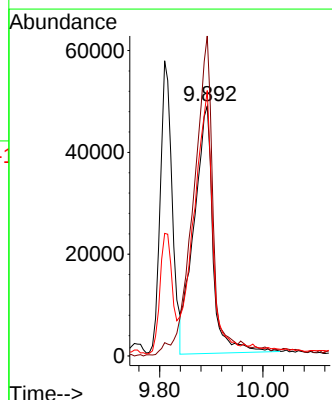
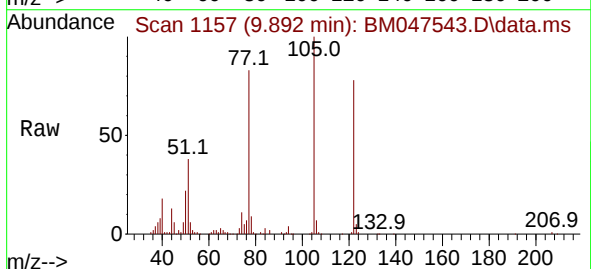
Tgt Ion:122 Resp: 123113

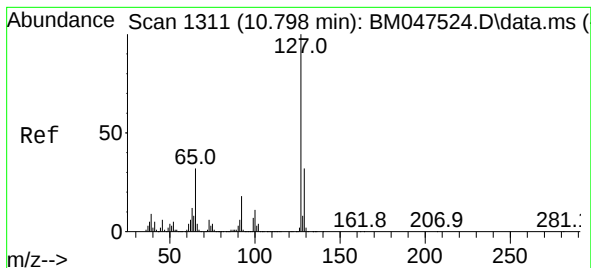
Ion Ratio Lower Upper

122 100

105 128.1 104.7 144.7

77 106.3 83.4 123.4





#33

4-Chloroaniline

Concen: 7.291 ng

RT: 10.792 min Scan# 1310

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:127 Resp: 234487

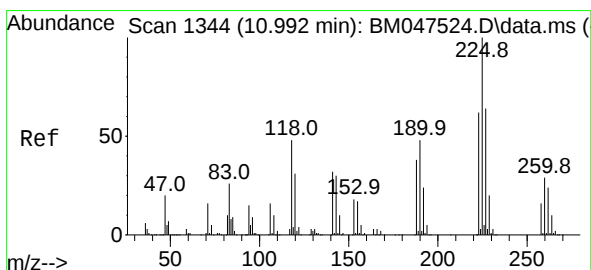
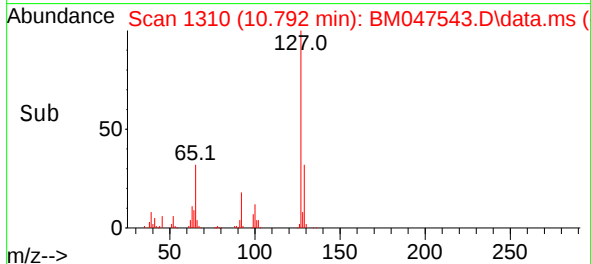
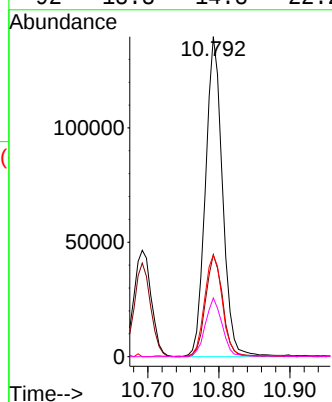
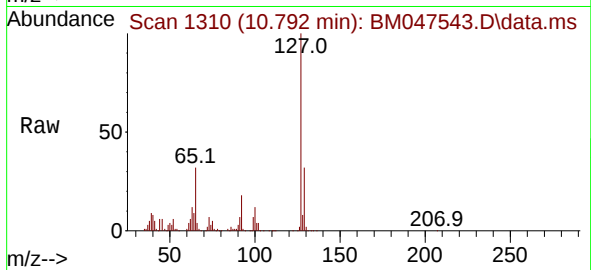
Ion Ratio Lower Upper

127 100

129 31.9 25.4 38.0

65 31.7 25.5 38.3

92 18.3 14.8 22.2



#34

Hexachlorobutadiene

Concen: 6.352 ng

RT: 10.986 min Scan# 1343

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

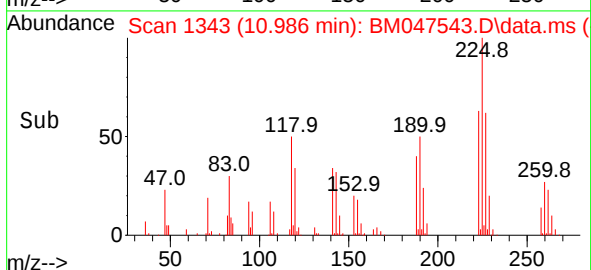
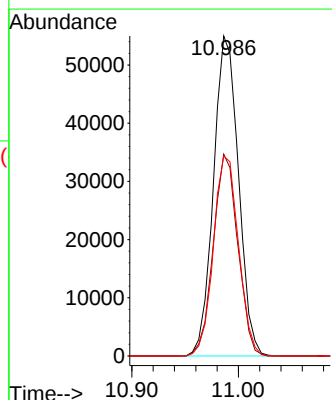
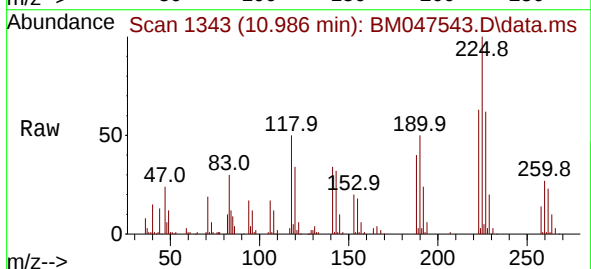
Tgt Ion:225 Resp: 89450

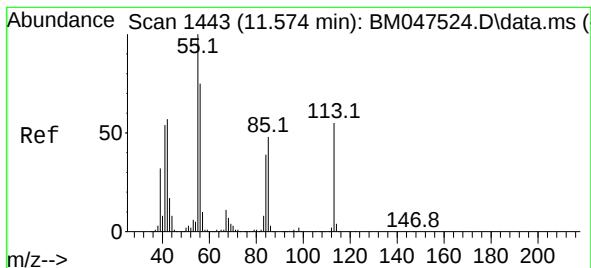
Ion Ratio Lower Upper

225 100

223 63.0 49.8 74.6

227 62.4 51.0 76.4





#35

Caprolactam

Concen: 6.335 ng

RT: 11.545 min Scan# 1443

Delta R.T. -0.029 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

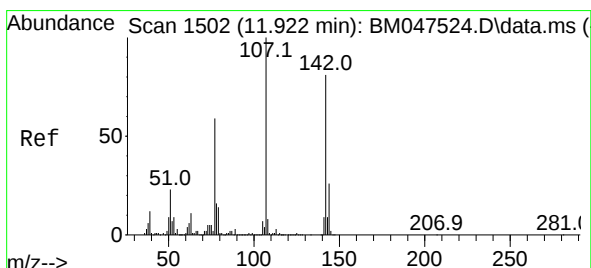
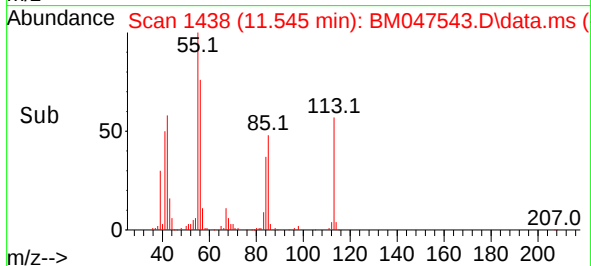
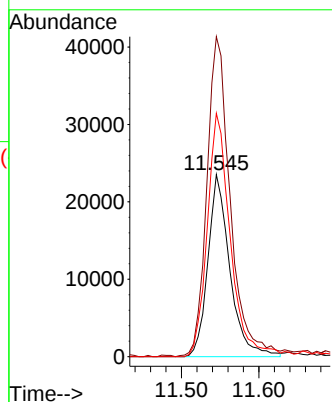
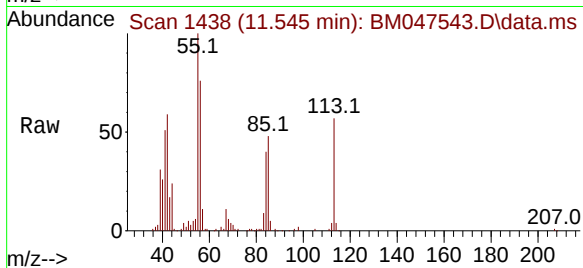
Tgt Ion:113 Resp: 46313

Ion Ratio Lower Upper

113 100

55 175.7 162.5 202.5

56 133.6 116.5 156.5



#36

4-Chloro-3-methylphenol

Concen: 6.374 ng

RT: 11.916 min Scan# 1501

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

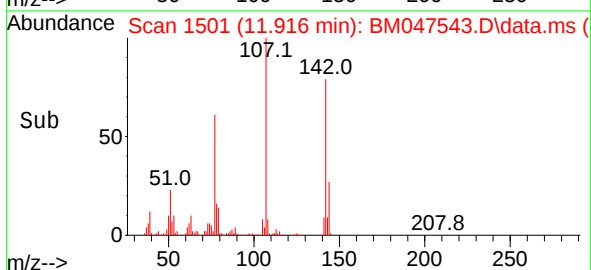
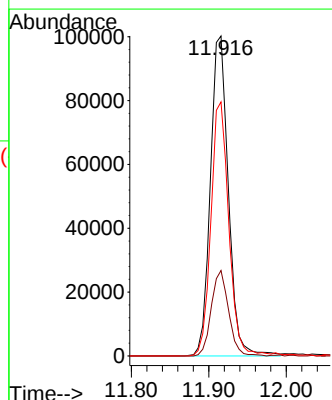
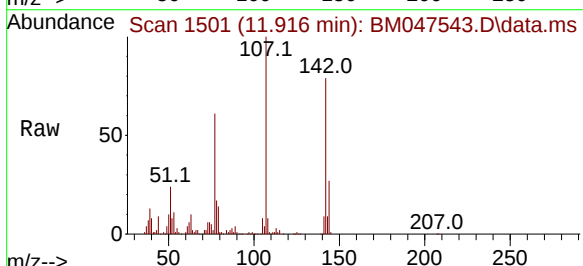
Tgt Ion:107 Resp: 162125

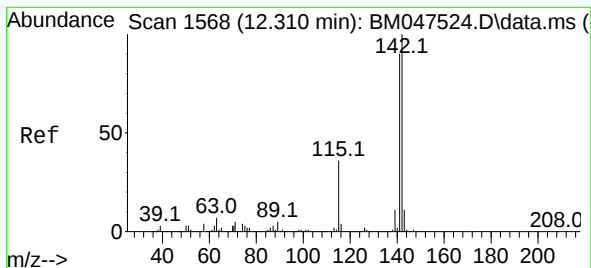
Ion Ratio Lower Upper

107 100

144 26.7 20.5 30.7

142 79.4 65.0 97.4





#37

2-Methylnaphthalene

Concen: 6.597 ng

RT: 12.304 min Scan# 1568

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

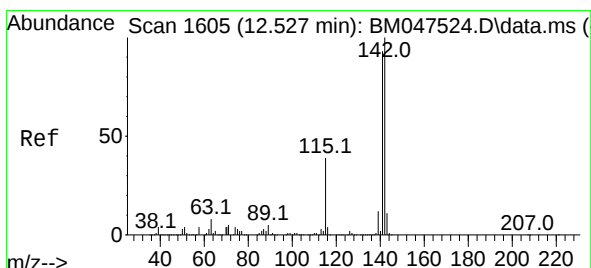
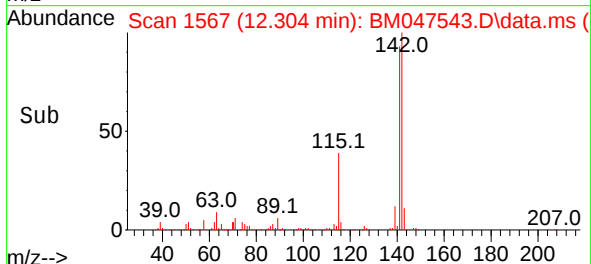
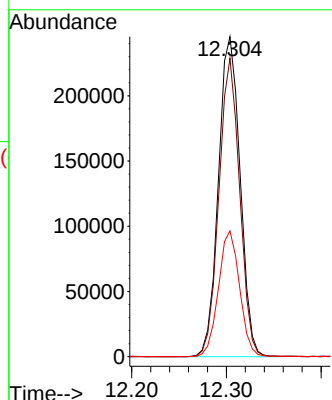
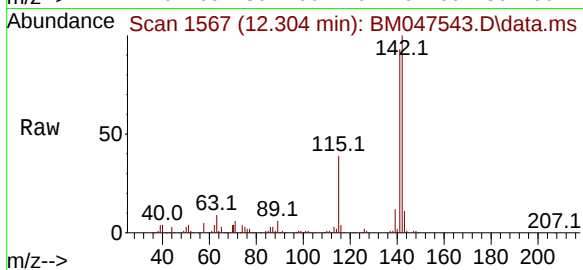
Tgt Ion:142 Resp: 390560

Ion Ratio Lower Upper

142 100

141 93.3 72.2 108.4

115 39.3 29.1 43.7



#38

1-Methylnaphthalene

Concen: 6.165 ng

RT: 12.521 min Scan# 1604

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

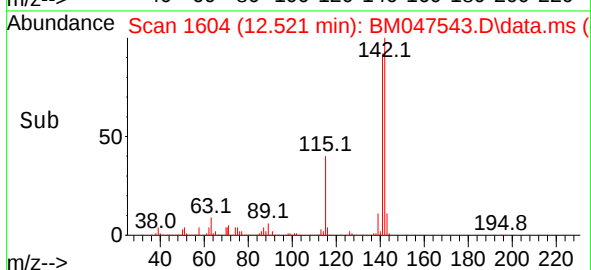
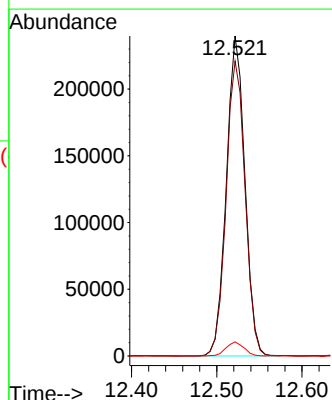
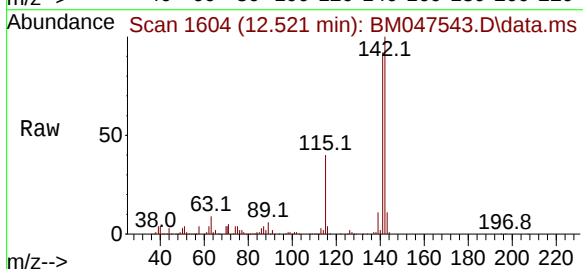
Tgt Ion:142 Resp: 362710

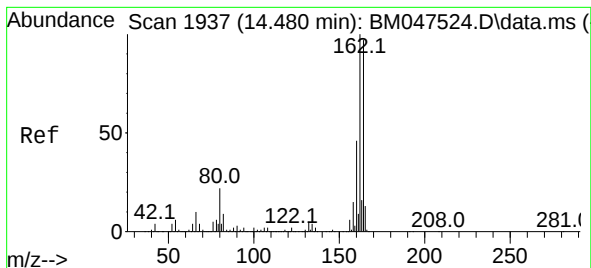
Ion Ratio Lower Upper

142 100

141 92.2 74.7 112.1

116 4.4 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.480 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

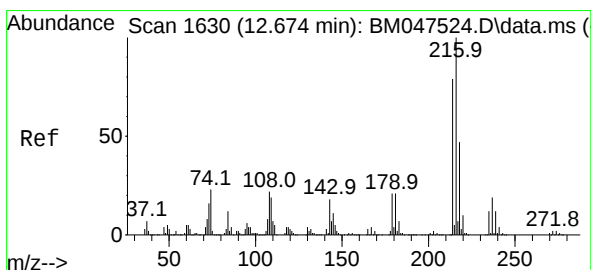
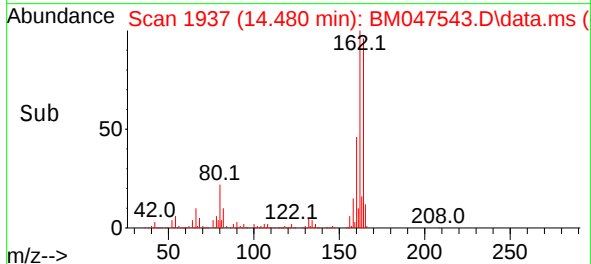
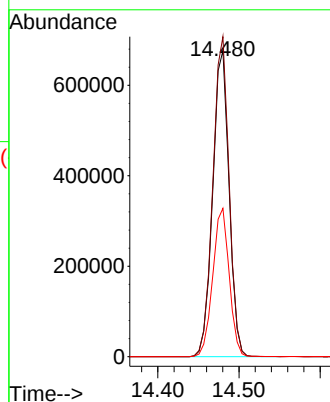
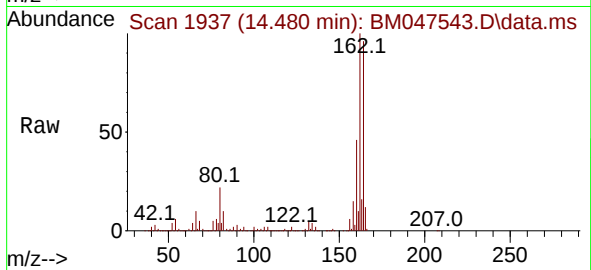
Tgt Ion:164 Resp: 944888

Ion Ratio Lower Upper

164 100

162 104.6 82.2 123.2

160 48.5 38.2 57.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 6.570 ng

RT: 12.668 min Scan# 1629

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Tgt Ion:216 Resp: 167978

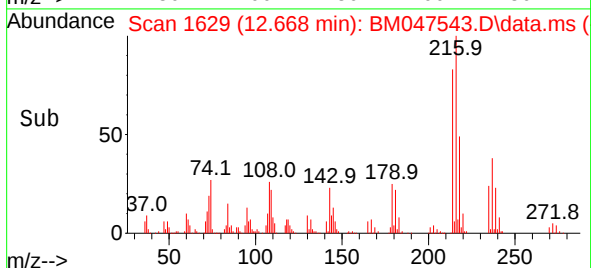
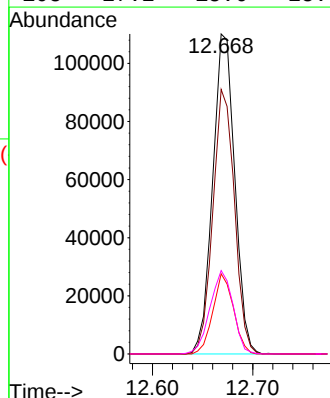
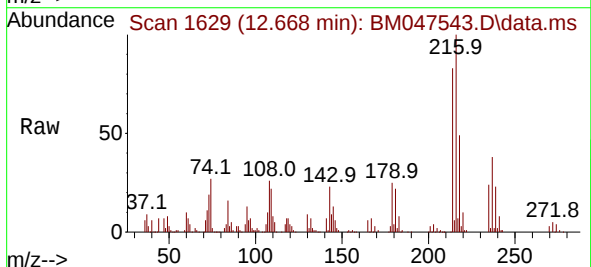
Ion Ratio Lower Upper

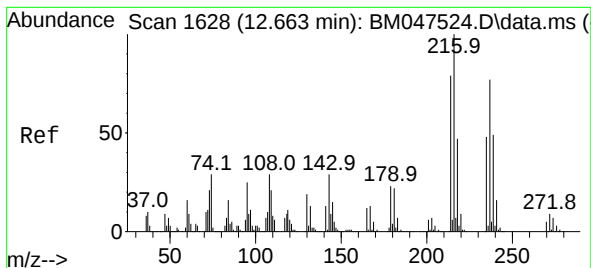
216 100

214 80.8 63.0 94.6

179 23.3 17.5 26.3

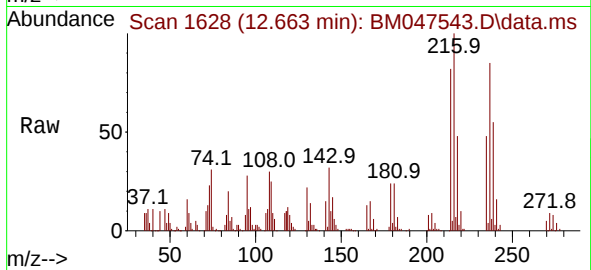
108 27.2 18.6 28.0



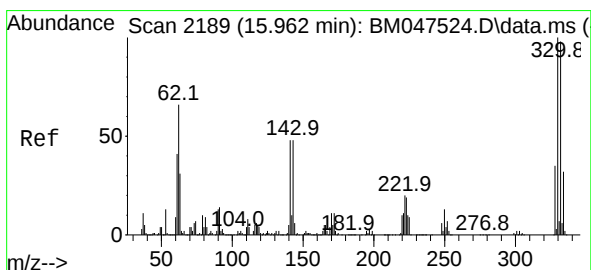
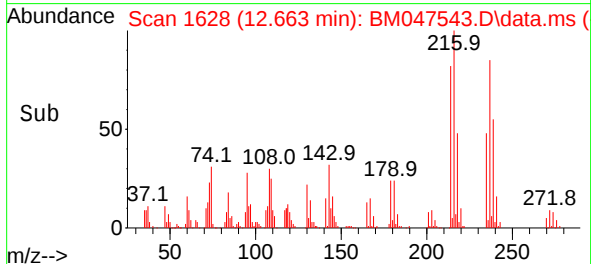
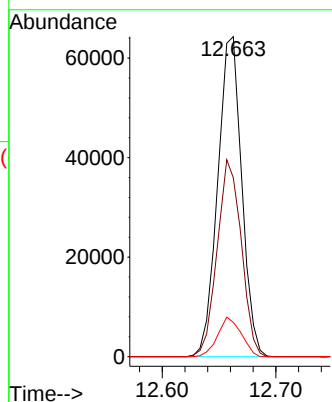


#41
Hexachlorocyclopentadiene
Concen: 11.327 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

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

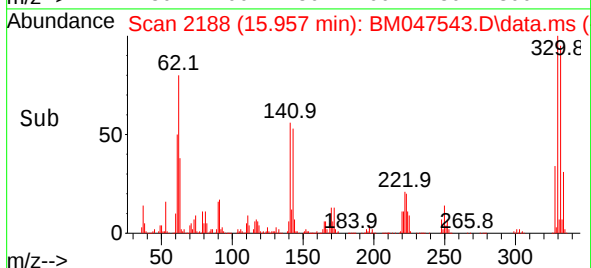
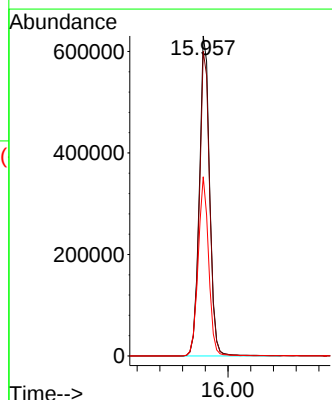
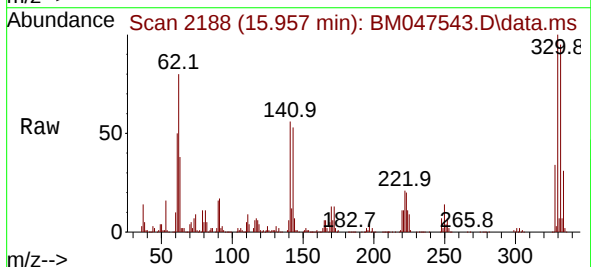


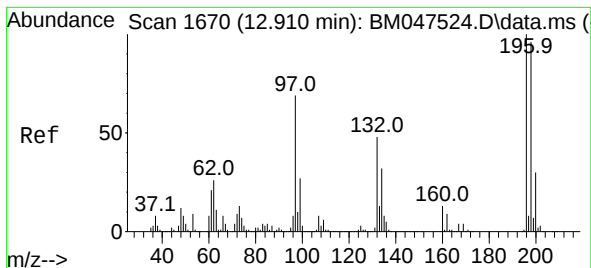
Tgt Ion	Ratio	Lower	Upper
237	100		
235	55.9	42.0	82.0
272	10.8	0.0	31.5



#42
2,4,6-Tribromophenol
Concen: 87.490 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.9	115.3
141	56.8	42.2	63.2





#43

2,4,6-Trichlorophenol

Concen: 5.970 ng

RT: 12.910 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

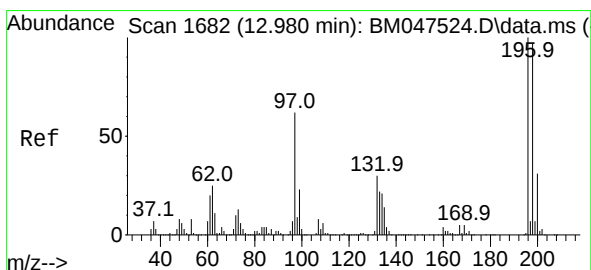
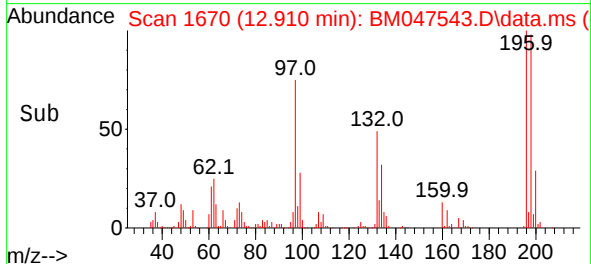
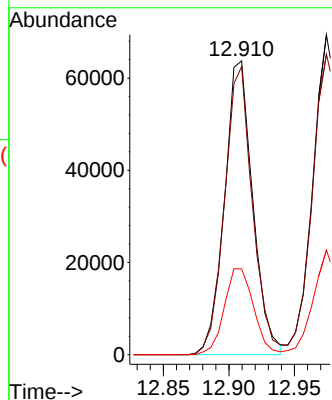
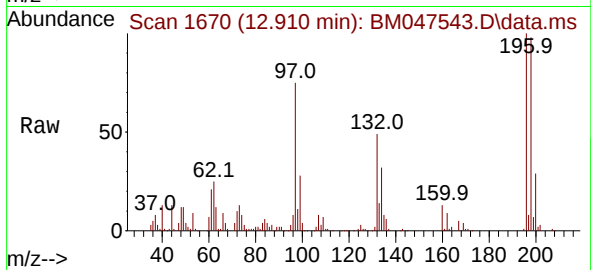
Tgt Ion:196 Resp: 95632

Ion Ratio Lower Upper

196 100

198 98.1 76.9 115.3

200 29.2 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 5.932 ng

RT: 12.974 min Scan# 1681

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Tgt Ion:196 Resp: 107326

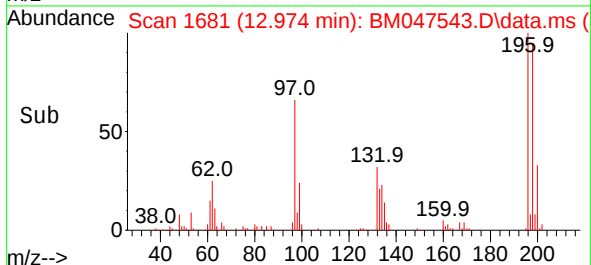
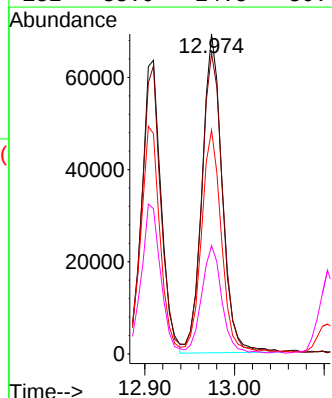
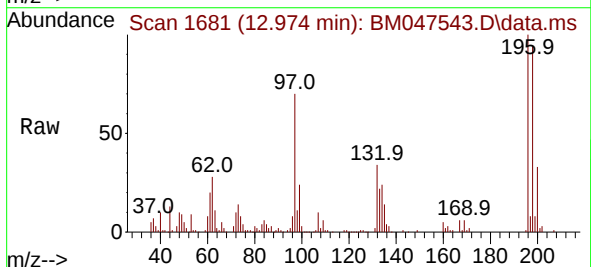
Ion Ratio Lower Upper

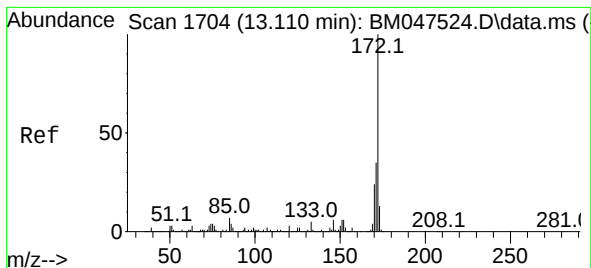
196 100

198 94.0 77.4 116.2

97 69.9 49.8 74.8

132 33.9 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 62.353 ng

RT: 13.104 min Scan# 1703

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

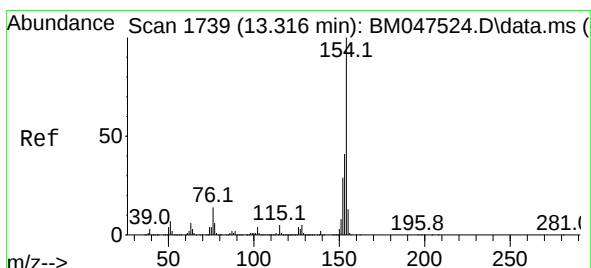
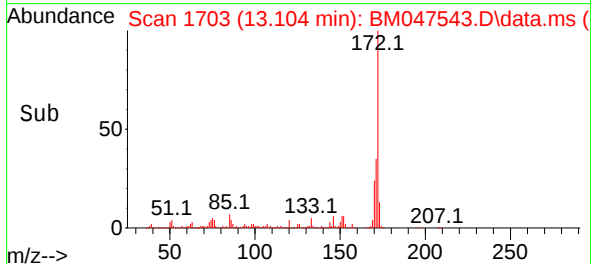
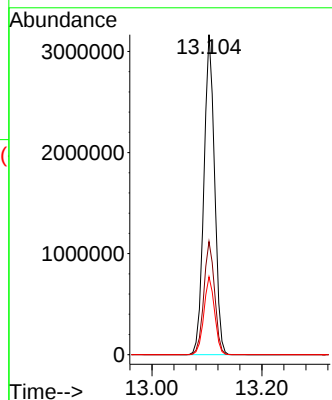
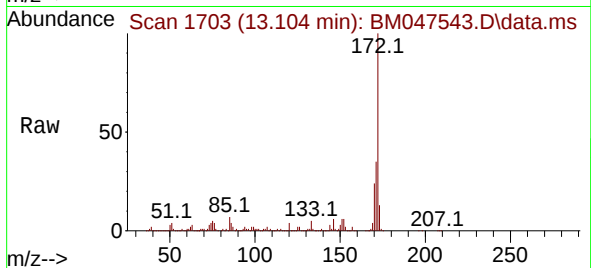
Tgt Ion:172 Resp: 4276993

Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.2

170 24.3 19.4 29.0



#46

1,1'-Biphenyl

Concen: 7.001 ng

RT: 13.316 min Scan# 1739

Delta R.T. -0.000 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

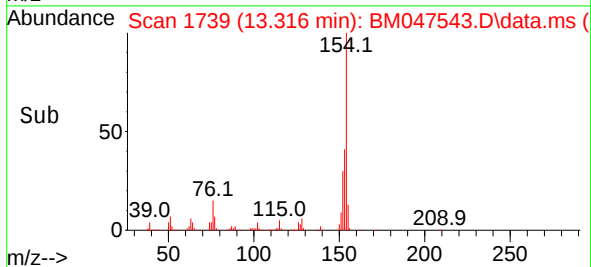
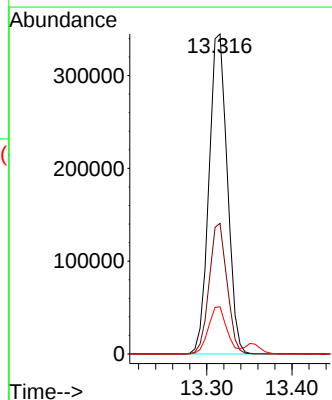
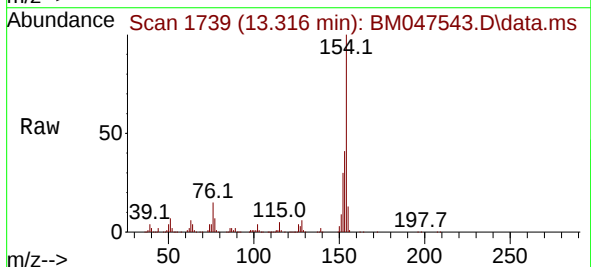
Tgt Ion:154 Resp: 514680

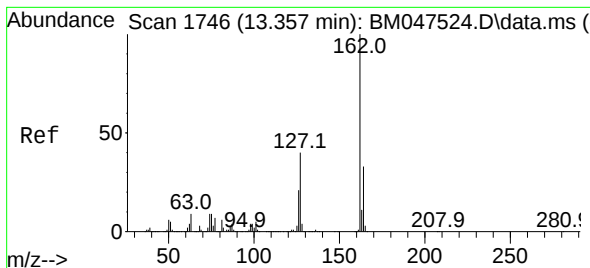
Ion Ratio Lower Upper

154 100

153 40.8 20.6 60.6

76 14.7 0.0 33.9





#47

2-Chloronaphthalene

Concen: 6.623 ng

RT: 13.351 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

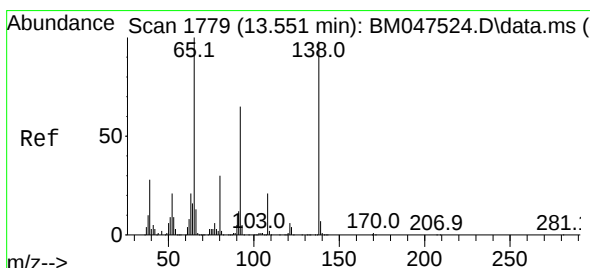
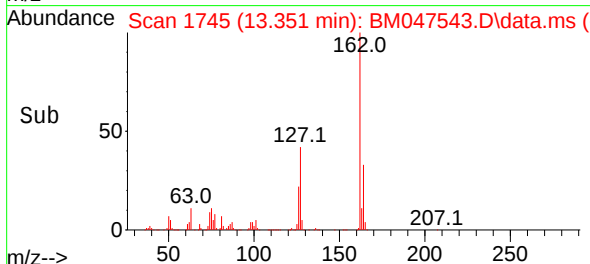
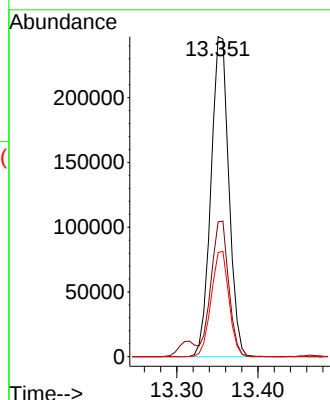
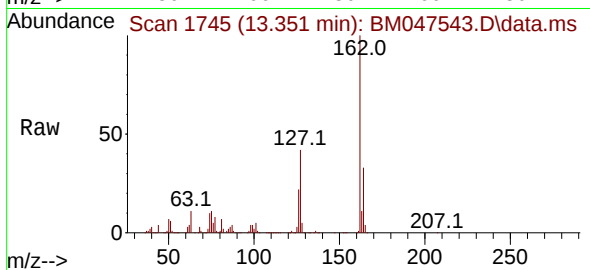
Tgt Ion:162 Resp: 378096

Ion Ratio Lower Upper

162 100

127 42.1 32.2 48.4

164 32.5 26.3 39.5



#48

2-Nitroaniline

Concen: 6.218 ng

RT: 13.545 min Scan# 1778

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

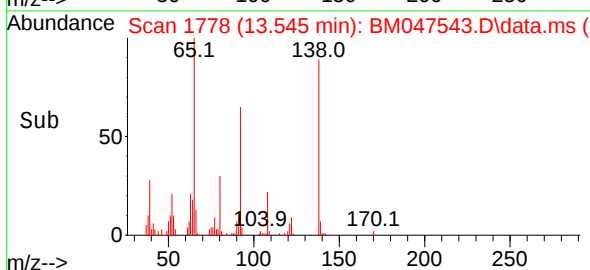
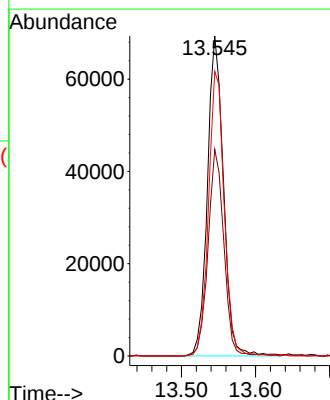
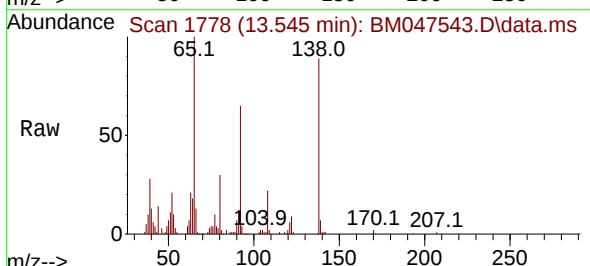
Tgt Ion: 65 Resp: 104261

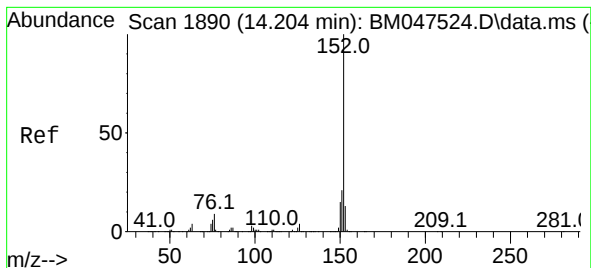
Ion Ratio Lower Upper

65 100

92 64.5 51.9 77.9

138 88.9 78.5 117.7





#49

Acenaphthylene

Concen: 7.166 ng

RT: 14.198 min Scan# 1889

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

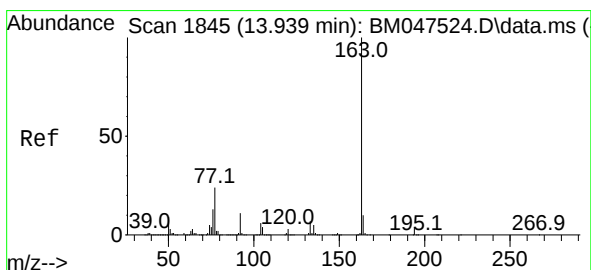
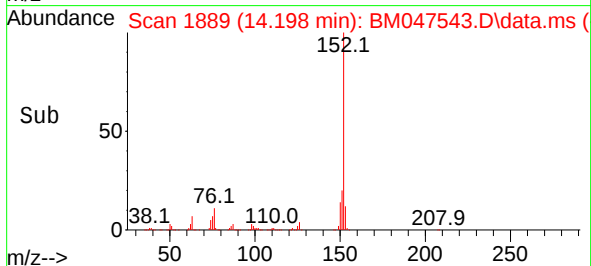
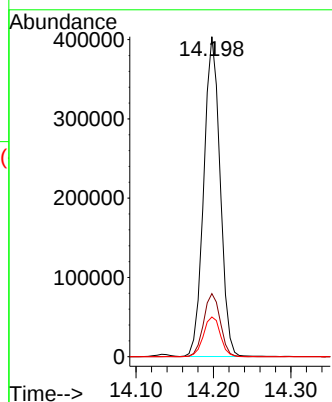
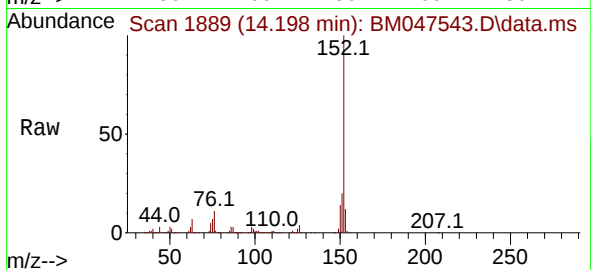
Tgt Ion:152 Resp: 590354

Ion Ratio Lower Upper

152 100

151 19.7 16.5 24.7

153 12.4 10.4 15.6



#50

Dimethylphthalate

Concen: 6.823 ng

RT: 13.933 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

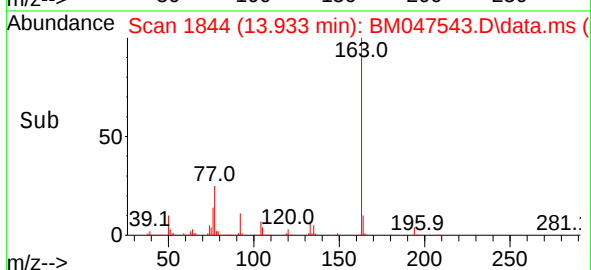
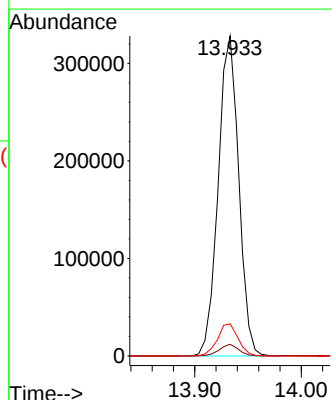
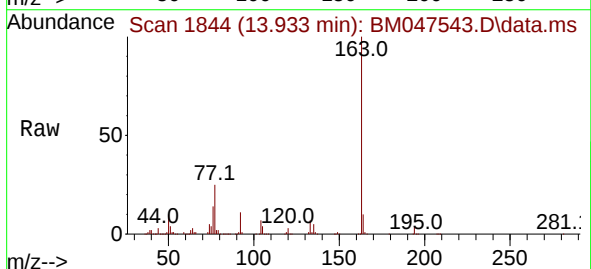
Tgt Ion:163 Resp: 439411

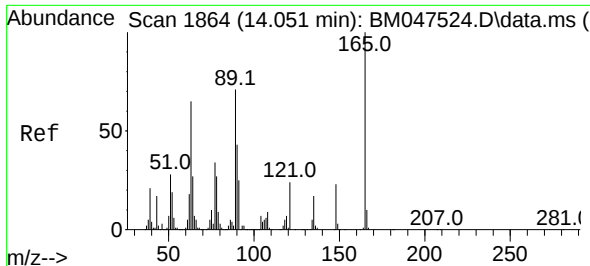
Ion Ratio Lower Upper

163 100

194 3.7 2.9 4.3

164 10.0 7.9 11.9





#51

2,6-Dinitrotoluene

Concen: 6.159 ng

RT: 14.045 min Scan# 1863

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

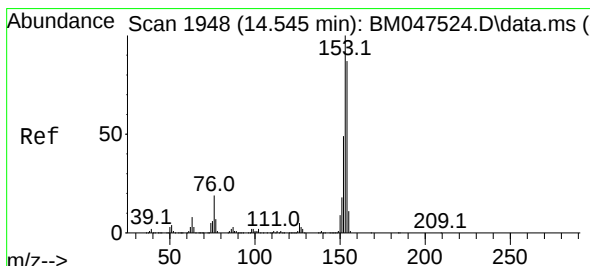
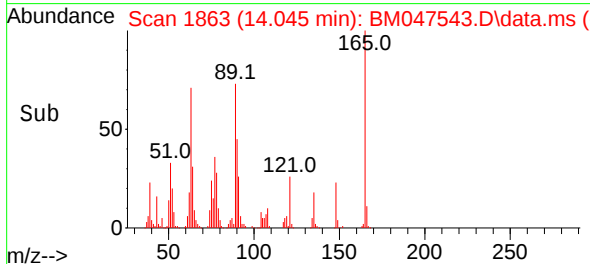
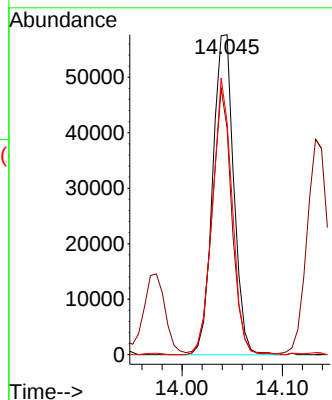
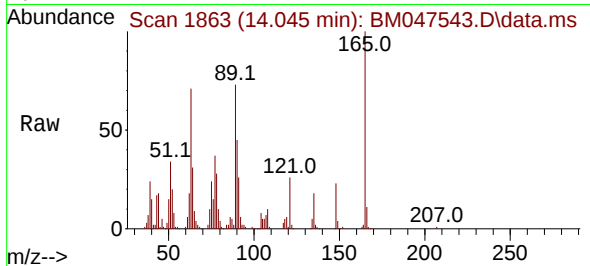
Tgt Ion:165 Resp: 83729

Ion Ratio Lower Upper

165 100

63 70.7 54.2 81.2

89 72.7 56.4 84.6



#52

Acenaphthene

Concen: 6.401 ng

RT: 14.539 min Scan# 1947

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

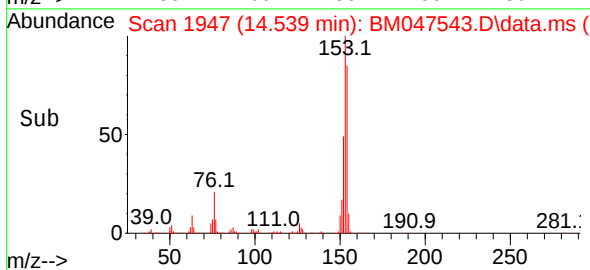
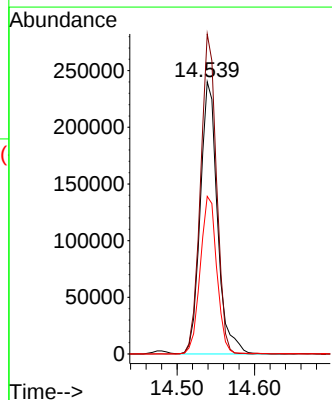
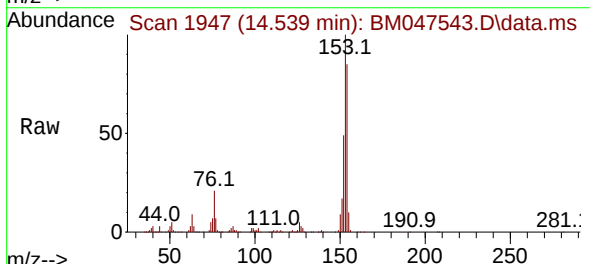
Tgt Ion:154 Resp: 369445

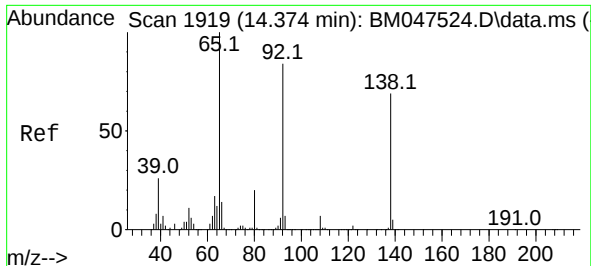
Ion Ratio Lower Upper

154 100

153 117.6 92.2 138.2

152 57.9 45.4 68.0





#53

3-Nitroaniline

Concen: 6.288 ng

RT: 14.368 min Scan# 1918

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

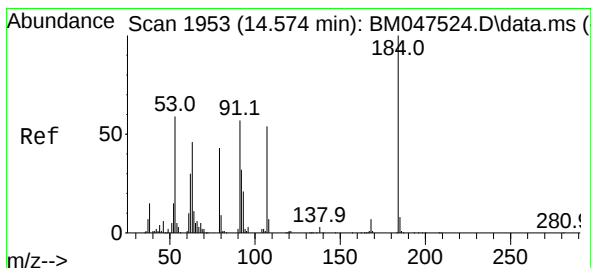
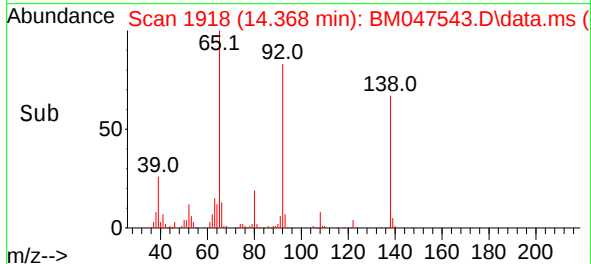
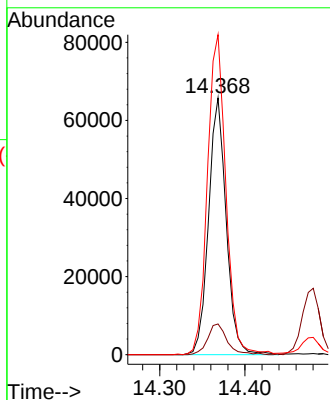
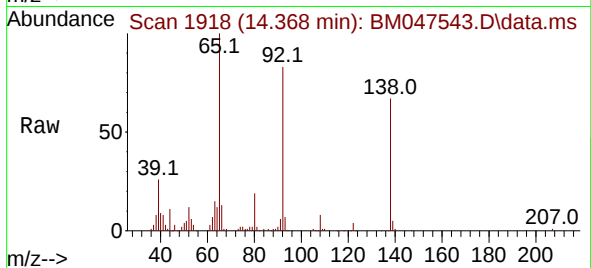
Tgt Ion:138 Resp: 95027

Ion Ratio Lower Upper

138 100

108 11.9 8.0 12.0

92 124.6 97.4 146.0



#54

2,4-Dinitrophenol

Concen: 8.280 ng

RT: 14.568 min Scan# 1952

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

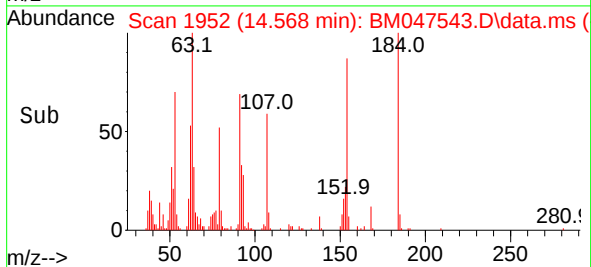
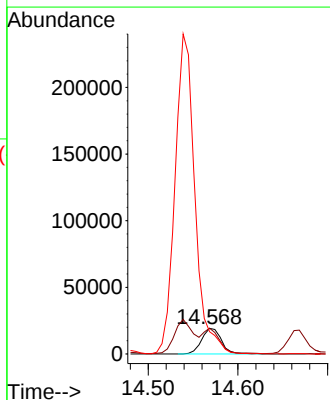
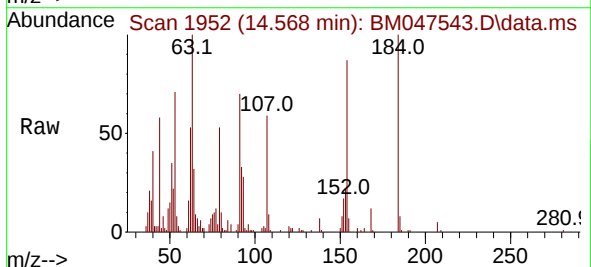
Tgt Ion:184 Resp: 29220

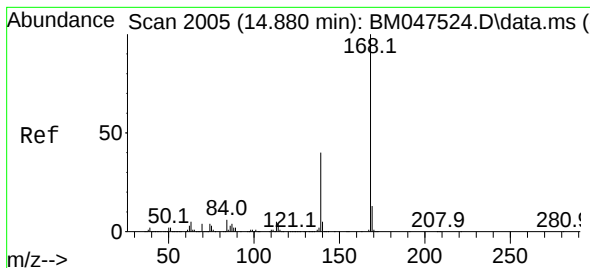
Ion Ratio Lower Upper

184 100

63 100.4 69.4 104.0

154 87.3 60.4 90.6





#55

Dibenzofuran

Concen: 6.745 ng

RT: 14.874 min Scan# 2005

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

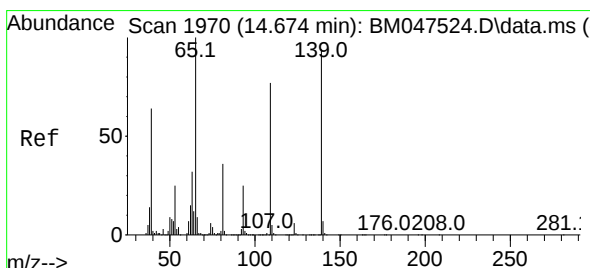
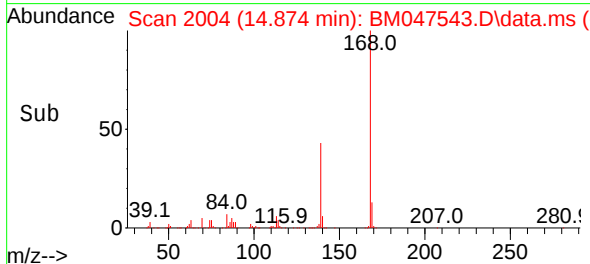
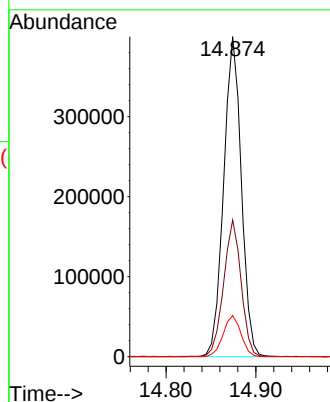
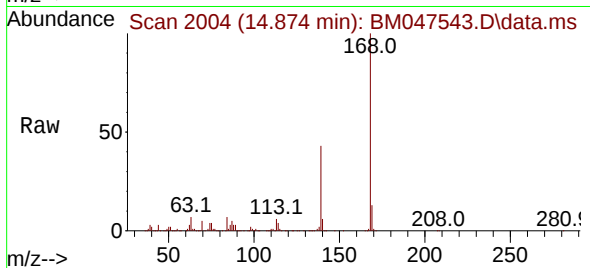
Tgt Ion:168 Resp: 547071

Ion Ratio Lower Upper

168 100

139 42.7 31.9 47.9

169 12.9 10.5 15.7



#56

4-Nitrophenol

Concen: 6.089 ng

RT: 14.668 min Scan# 1969

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

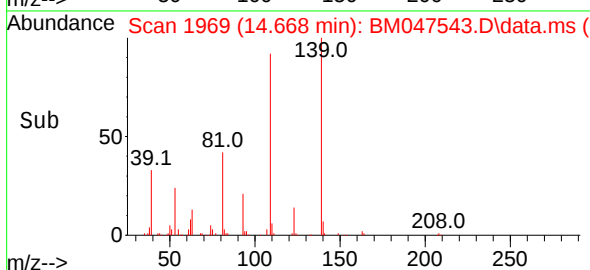
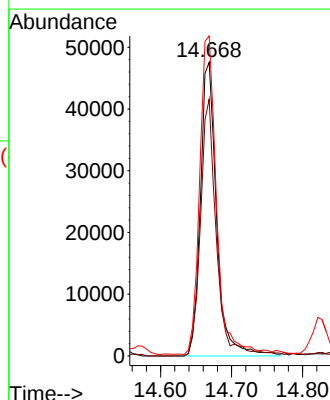
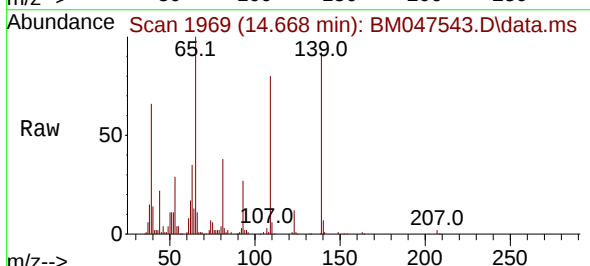
Tgt Ion:139 Resp: 75713

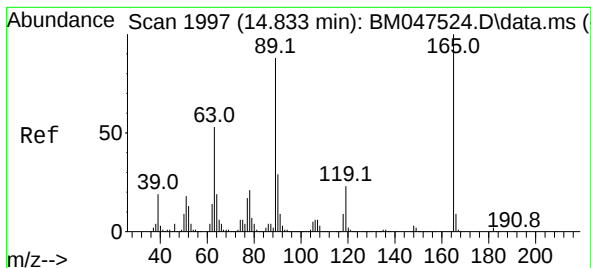
Ion Ratio Lower Upper

139 100

109 87.5 62.0 102.0

65 109.0 87.0 127.0





#57

2,4-Dinitrotoluene

Concen: 5.811 ng

RT: 14.827 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:165 Resp: 105357

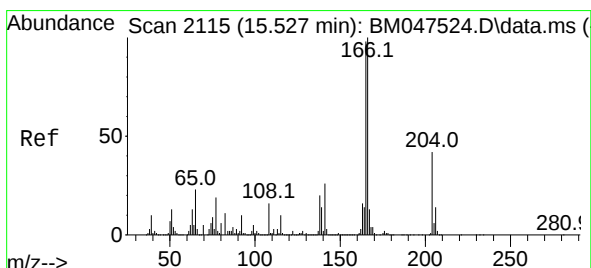
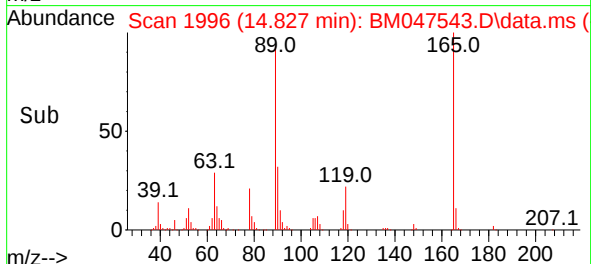
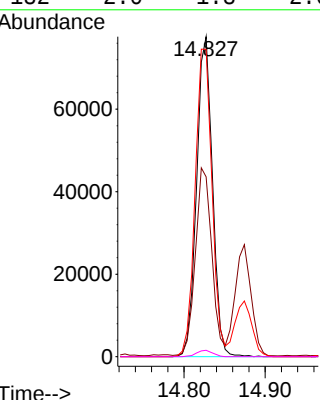
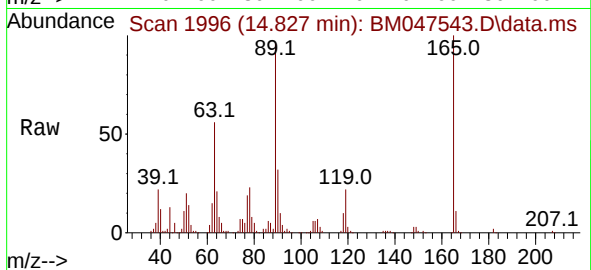
Ion Ratio Lower Upper

165 100

63 56.2 42.4 63.6

89 96.1 70.5 105.7

182 2.0 1.8 2.6



#58

Fluorene

Concen: 6.154 ng

RT: 15.521 min Scan# 2114

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

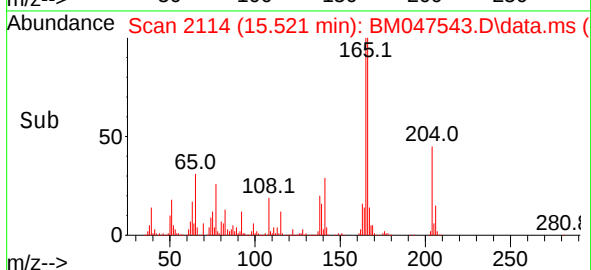
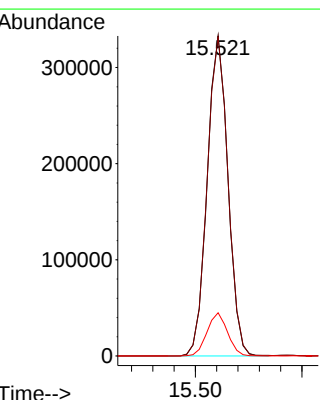
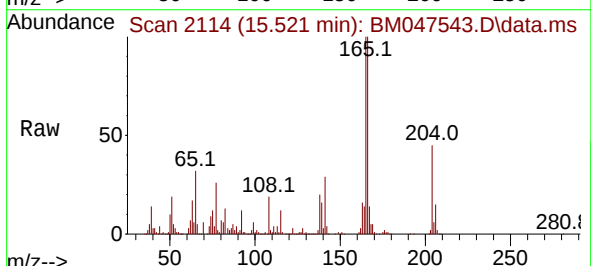
Tgt Ion:166 Resp: 449377

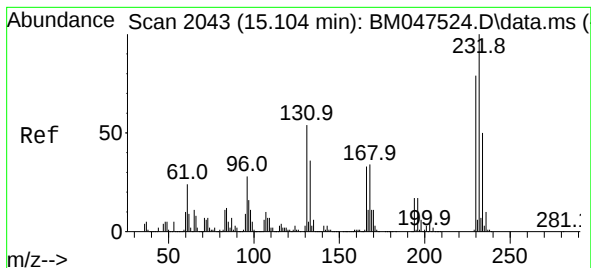
Ion Ratio Lower Upper

166 100

165 99.7 78.6 117.8

167 13.5 10.7 16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 6.036 ng

RT: 15.098 min Scan# 2042

Delta R.T. -0.006 min

Lab File: BM047543.D

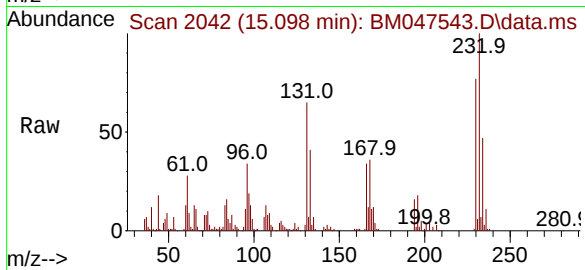
Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024



Tgt Ion:232 Resp: 85151

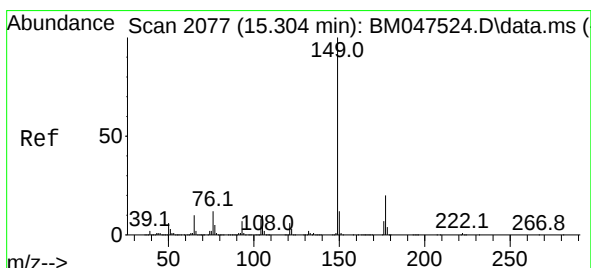
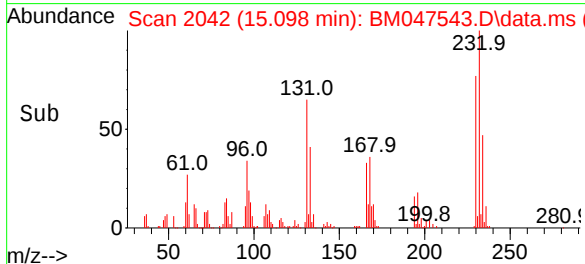
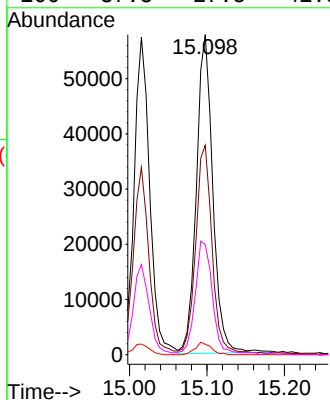
Ion Ratio Lower Upper

232 100

131 65.2 47.0 70.4

130 3.7 2.6 3.8

166 37.8 27.5 41.3



#60

Diethylphthalate

Concen: 6.718 ng

RT: 15.298 min Scan# 2076

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

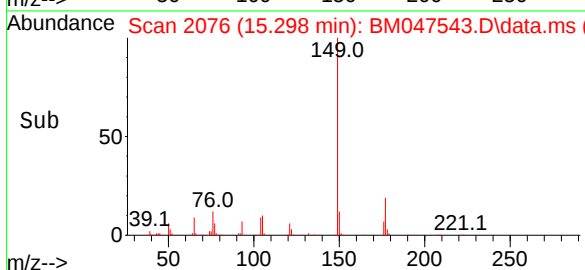
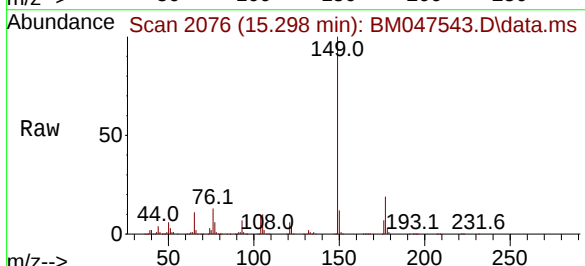
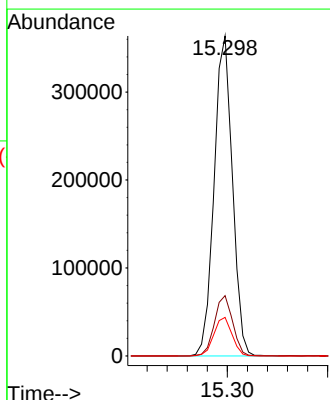
Tgt Ion:149 Resp: 460468

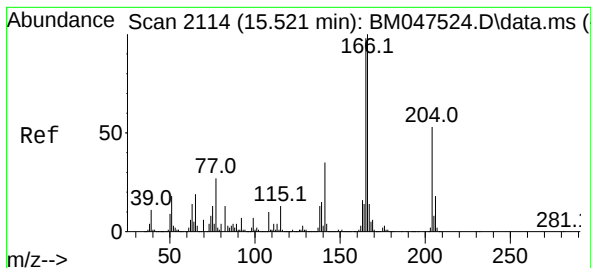
Ion Ratio Lower Upper

149 100

177 18.8 15.8 23.8

150 12.1 9.7 14.5

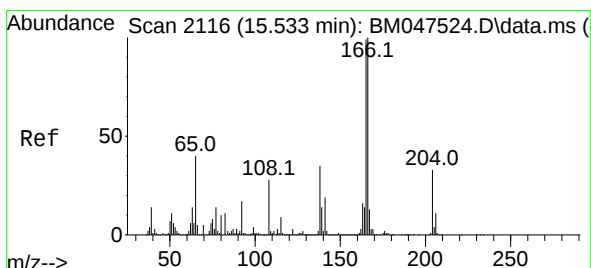
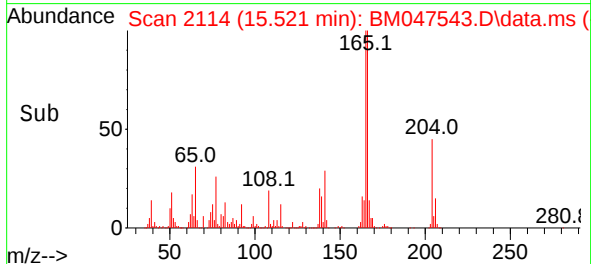
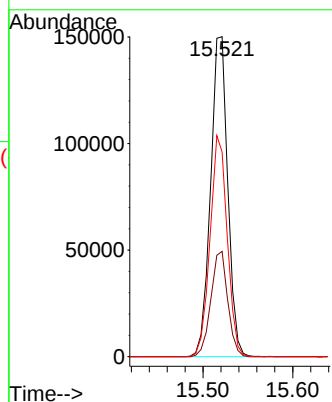
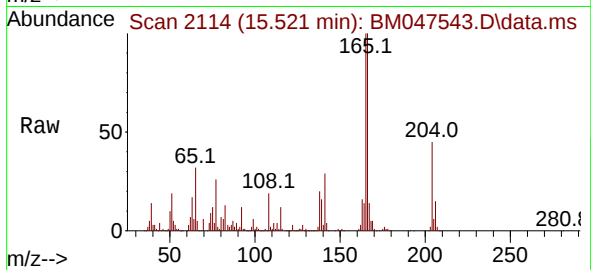




#61
4-Chlorophenyl-phenylether
Concen: 5.976 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.000 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

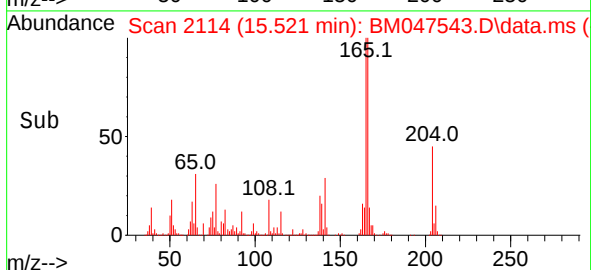
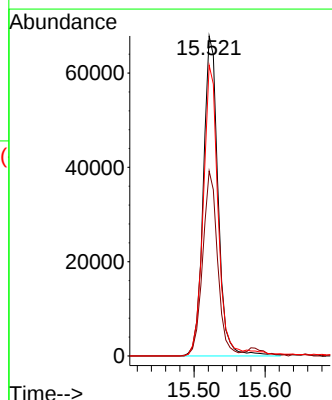
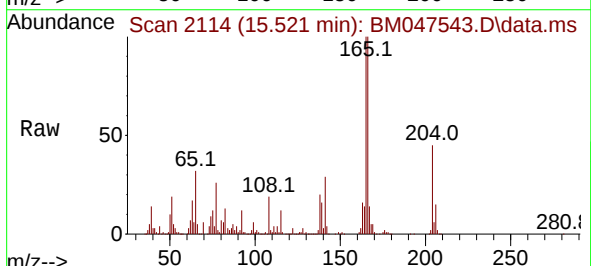
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

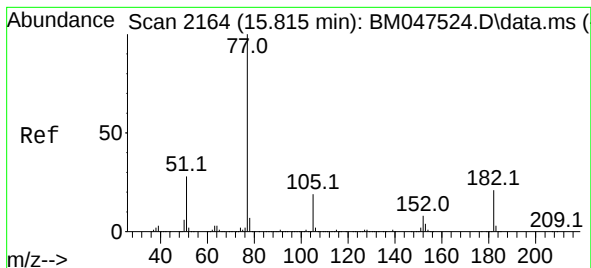
Tgt Ion:204 Resp: 199551
Ion Ratio Lower Upper
204 100
206 32.9 26.5 39.7
141 64.0 52.1 78.1



#62
4-Nitroaniline
Concen: 5.537 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.012 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

Tgt Ion:138 Resp: 98346
Ion Ratio Lower Upper
138 100
92 57.8 30.0 70.0
108 90.9 61.7 101.7





#63

Azobenzene

Concen: 7.457 ng

RT: 15.809 min Scan# 2164

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion: 77 Resp: 562761

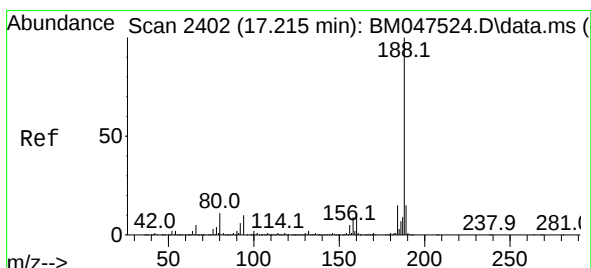
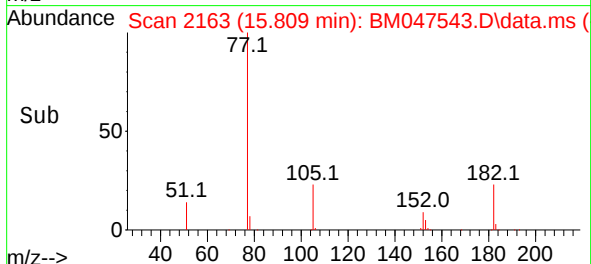
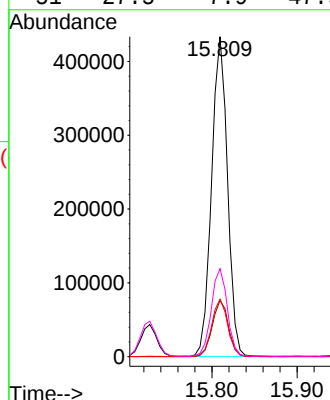
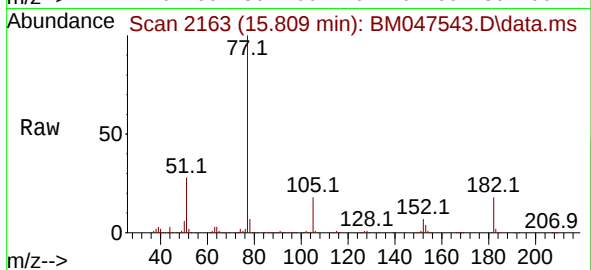
Ion Ratio Lower Upper

77 100

182 17.6 1.2 41.2

105 18.0 0.0 39.4

51 27.5 7.9 47.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.209 min Scan# 2401

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

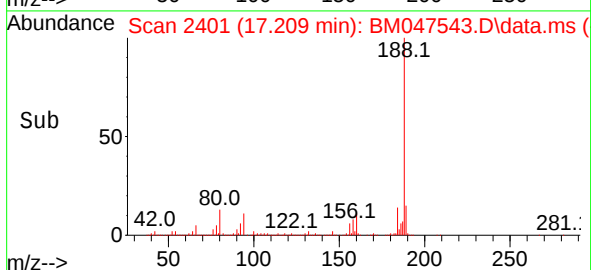
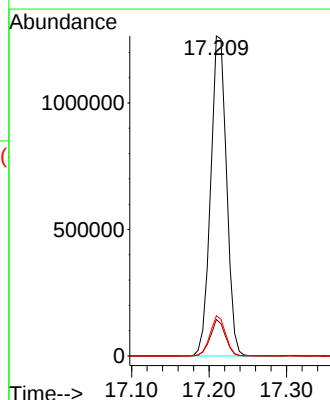
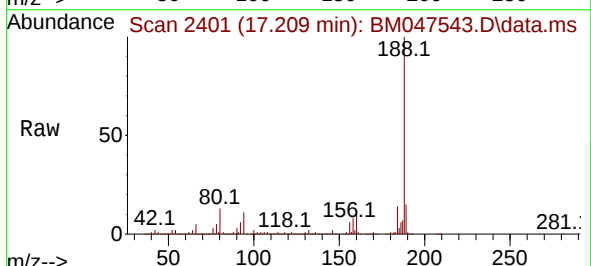
Tgt Ion:188 Resp: 1800922

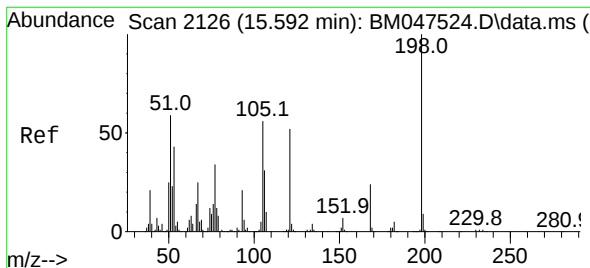
Ion Ratio Lower Upper

188 100

94 11.4 8.4 12.6

80 12.6 9.1 13.7

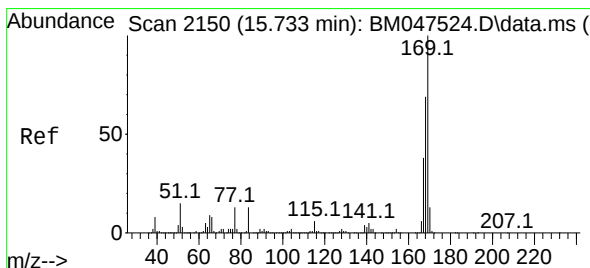
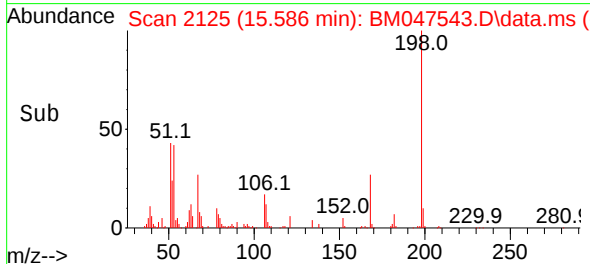
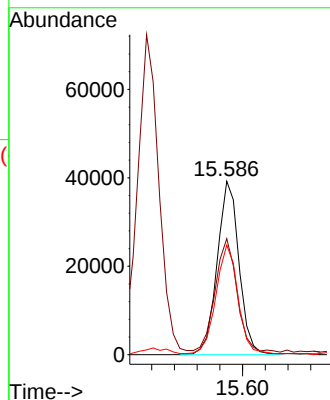
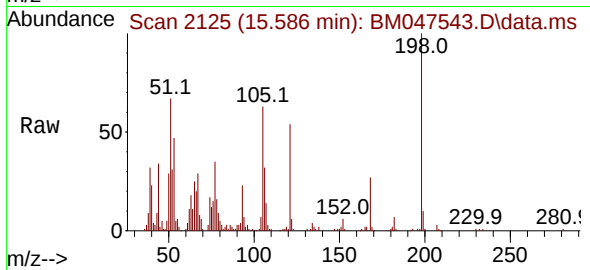




#65
4,6-Dinitro-2-methylphenol
Concen: 12.018 ng
RT: 15.586 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

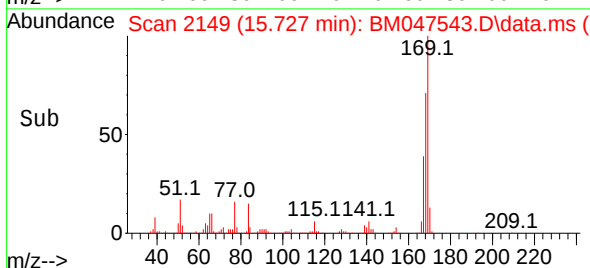
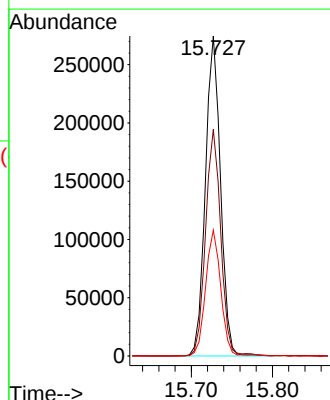
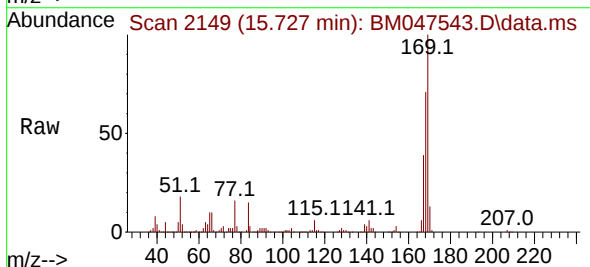
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

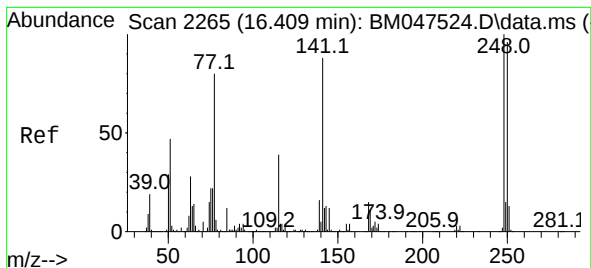
Tgt Ion:198 Resp: 52257
Ion Ratio Lower Upper
198 100
51 67.0 41.5 81.5
105 63.2 36.4 76.4



#66
n-Nitrosodiphenylamine
Concen: 6.407 ng
RT: 15.727 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

Tgt Ion:169 Resp: 353009
Ion Ratio Lower Upper
169 100
168 70.8 55.3 82.9
167 39.3 30.5 45.7

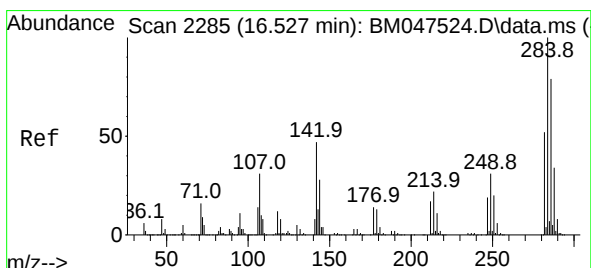
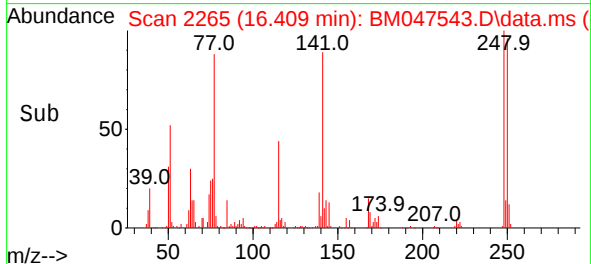
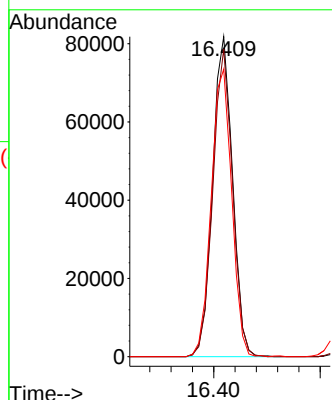
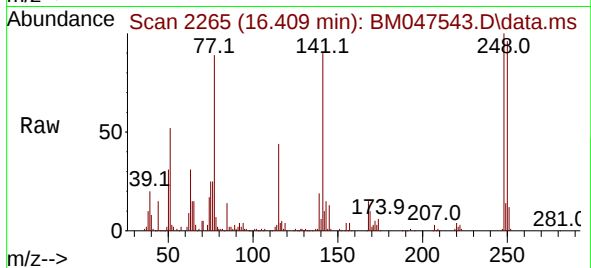




#67
4-Bromophenyl-phenylether
Concen: 6.078 ng
RT: 16.409 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

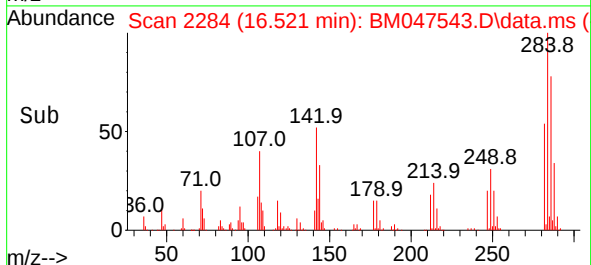
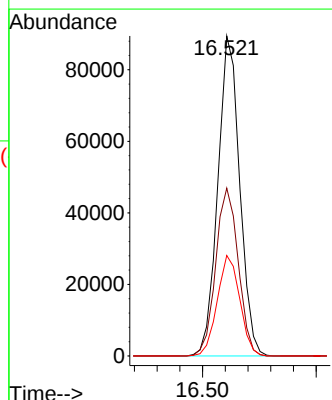
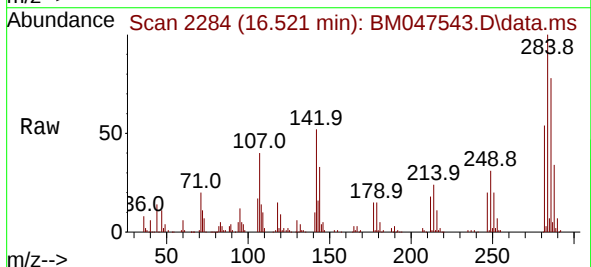
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

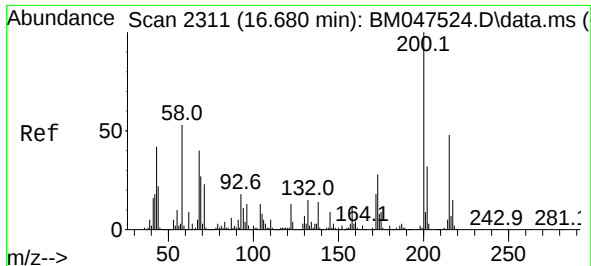
Tgt Ion:248 Resp: 106367
Ion Ratio Lower Upper
248 100
250 96.2 76.9 115.3
141 89.9 70.8 106.2



#68
Hexachlorobenzene
Concen: 6.047 ng
RT: 16.521 min Scan# 2284
Delta R.T. -0.006 min
Lab File: BM047543.D
Acq: 17 Sep 2024 14:14

Tgt Ion:284 Resp: 119884
Ion Ratio Lower Upper
284 100
142 52.4 37.3 55.9
249 31.4 24.5 36.7





#69

Atrazine

Concen: 6.526 ng

RT: 16.674 min Scan# 2311

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

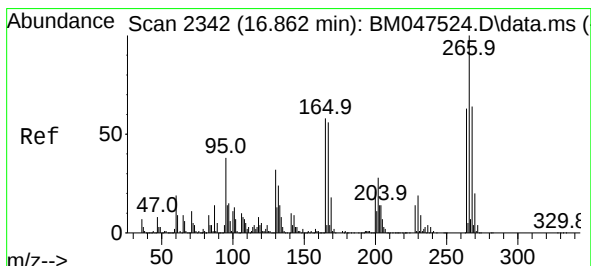
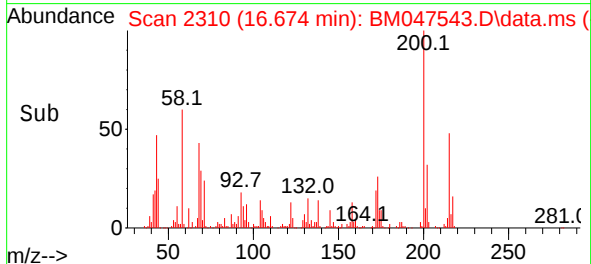
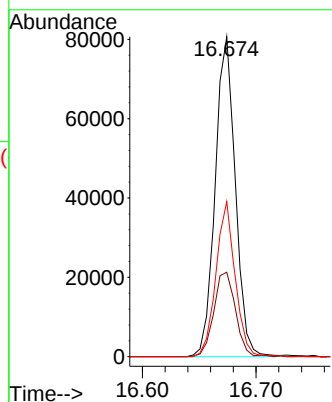
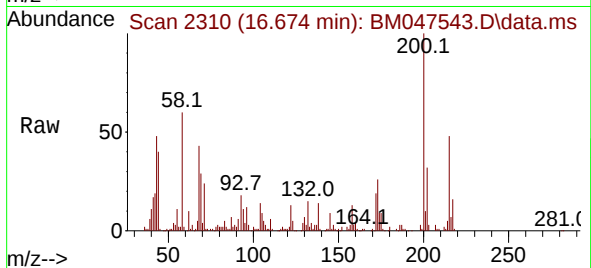
Tgt Ion:200 Resp: 99382

Ion Ratio Lower Upper

200 100

173 26.4 7.7 47.7

215 48.4 27.9 67.9



#70

Pentachlorophenol

Concen: 10.166 ng

RT: 16.862 min Scan# 2342

Delta R.T. -0.000 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

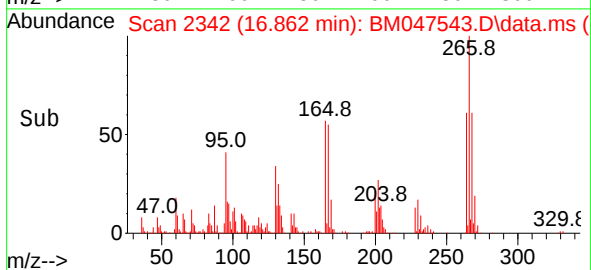
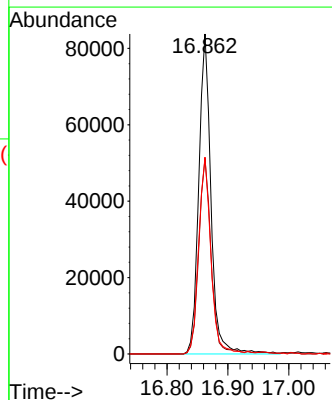
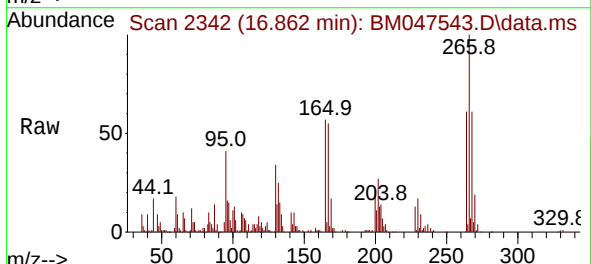
Tgt Ion:266 Resp: 116824

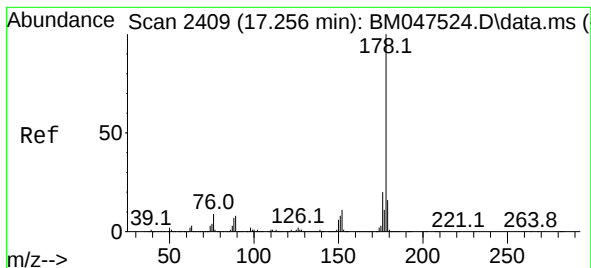
Ion Ratio Lower Upper

266 100

268 61.0 51.0 76.4

264 61.5 50.4 75.6





#71

Phenanthrene

Concen: 6.540 ng

RT: 17.251 min Scan# 2409

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

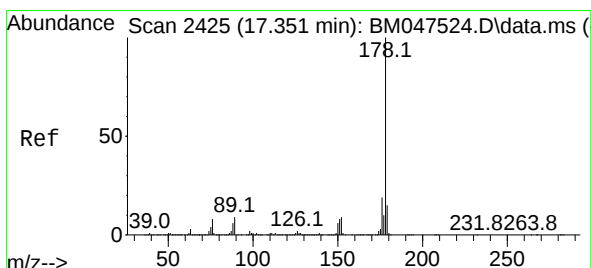
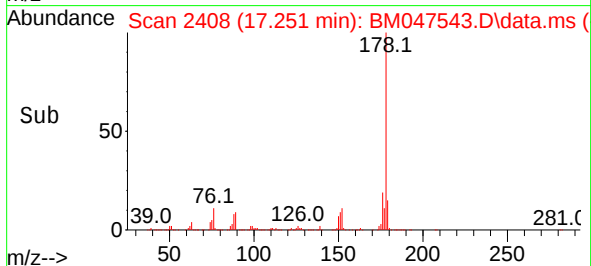
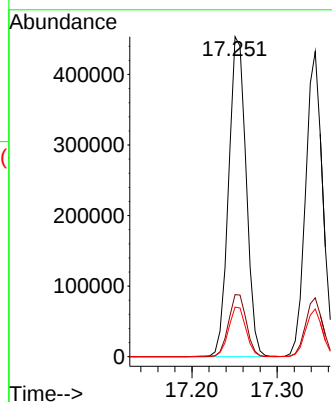
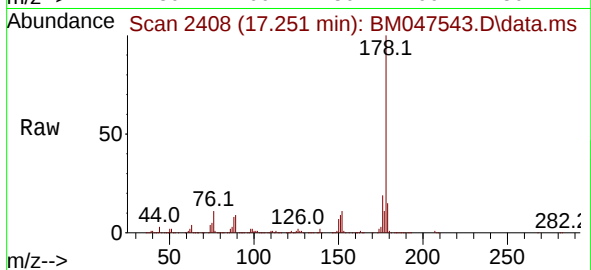
Tgt Ion:178 Resp: 649070

Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

179 15.5 12.4 18.6



#72

Anthracene

Concen: 6.310 ng

RT: 17.345 min Scan# 2424

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

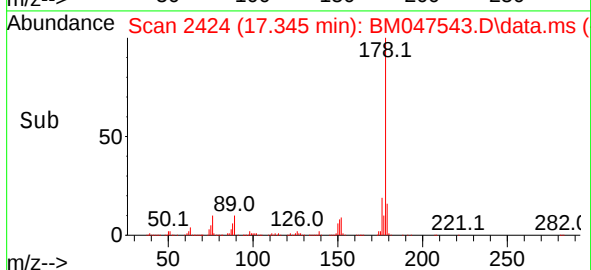
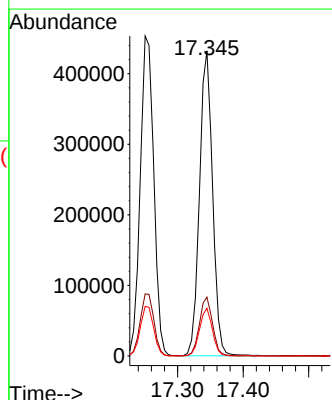
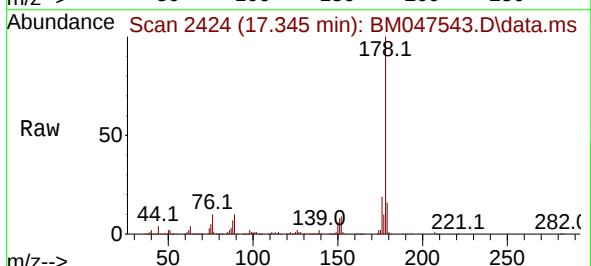
Tgt Ion:178 Resp: 601698

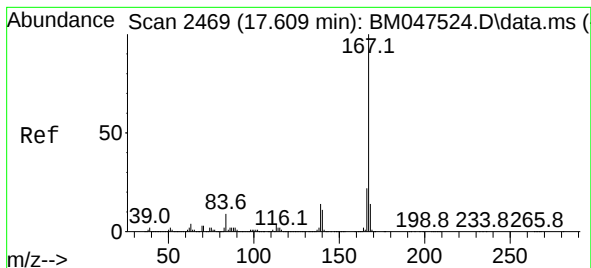
Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

179 15.6 12.3 18.5





#73

Carbazole

Concen: 6.374 ng

RT: 17.609 min Scan# 2469

Delta R.T. -0.000 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

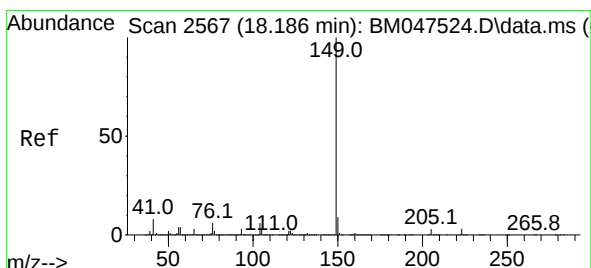
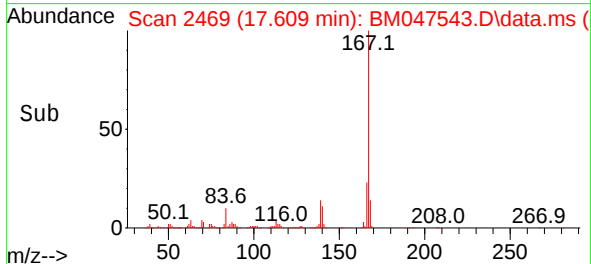
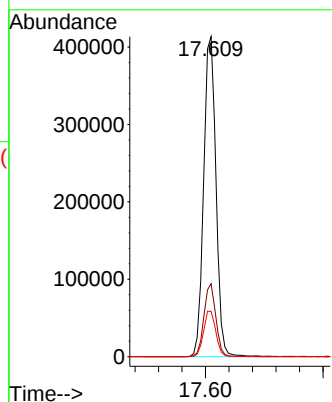
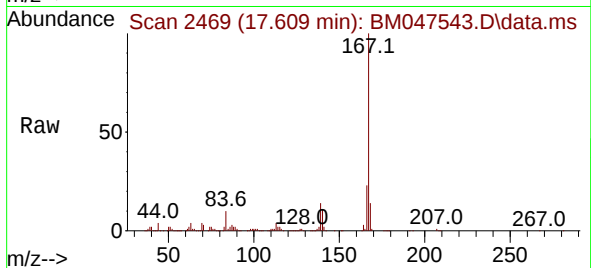
Tgt Ion:167 Resp: 602324

Ion Ratio Lower Upper

167 100

166 22.8 17.8 26.8

139 14.2 11.0 16.6



#74

Di-n-butylphthalate

Concen: 6.233 ng

RT: 18.180 min Scan# 2566

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

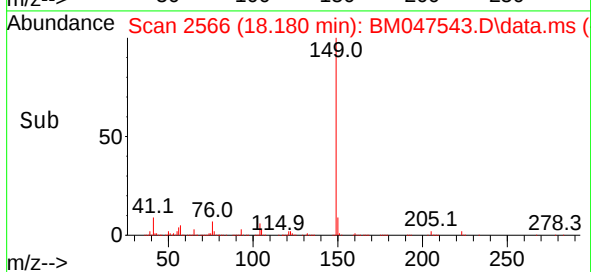
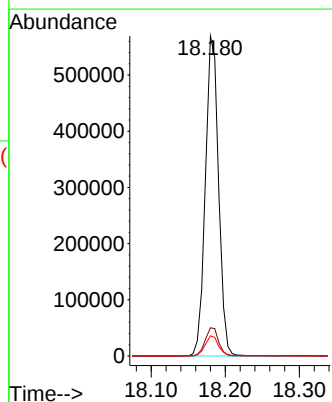
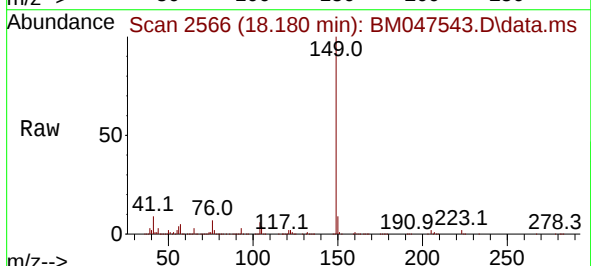
Tgt Ion:149 Resp: 704798

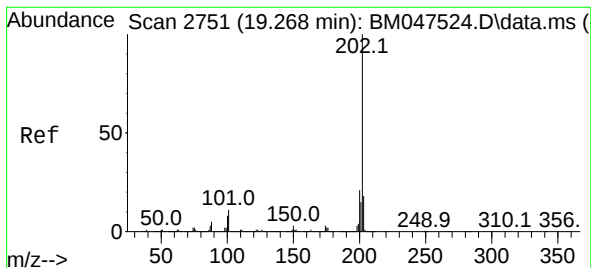
Ion Ratio Lower Upper

149 100

150 8.8 7.4 11.2

104 6.3 4.6 6.8





#75

Fluoranthene

Concen: 5.907 ng

RT: 19.262 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

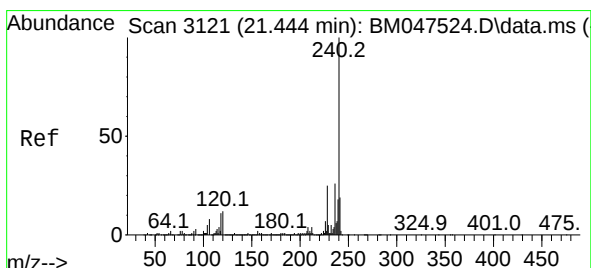
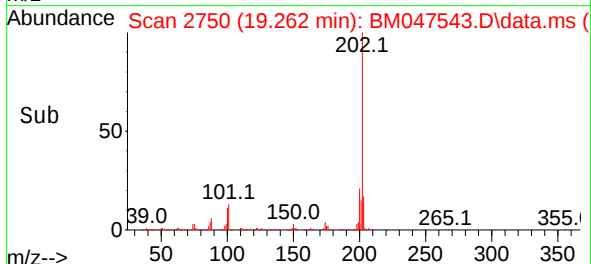
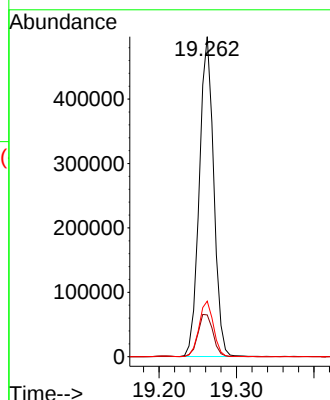
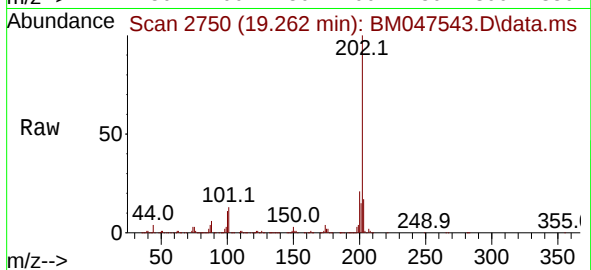
Tgt Ion:202 Resp: 639611

Ion Ratio Lower Upper

202 100

101 13.0 0.0 30.8

203 17.3 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.439 min Scan# 3120

Delta R.T. -0.005 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

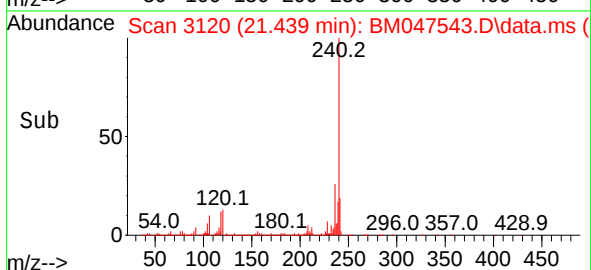
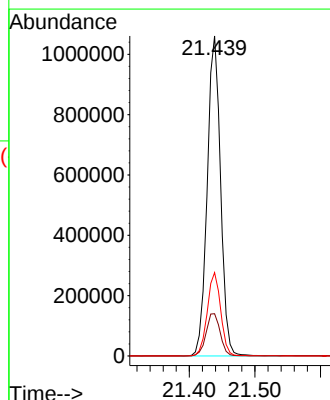
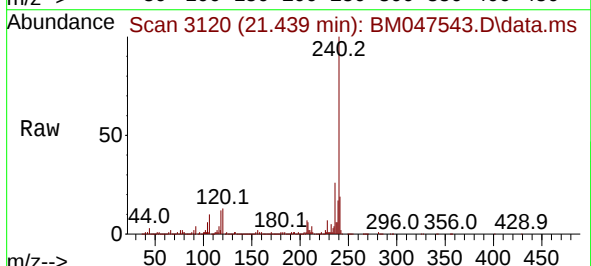
Tgt Ion:240 Resp: 1502304

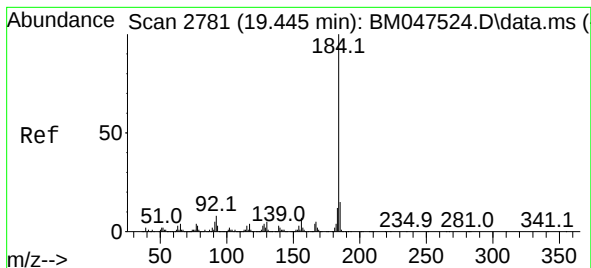
Ion Ratio Lower Upper

240 100

120 13.2 9.6 14.4

236 26.0 20.9 31.3





#77

Benzidine

Concen: 8.762 ng

RT: 19.439 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

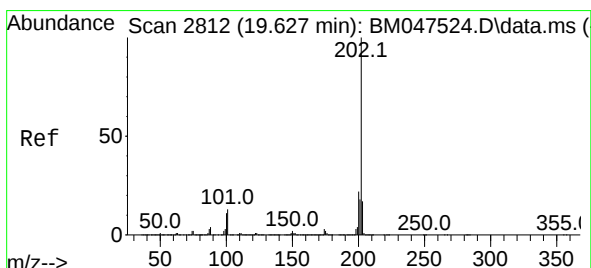
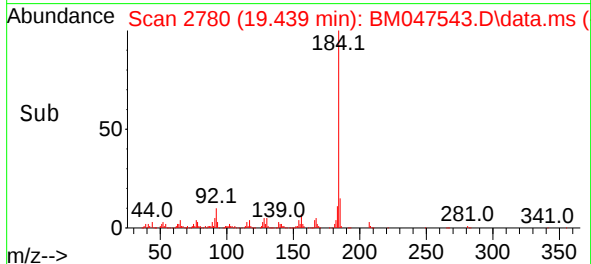
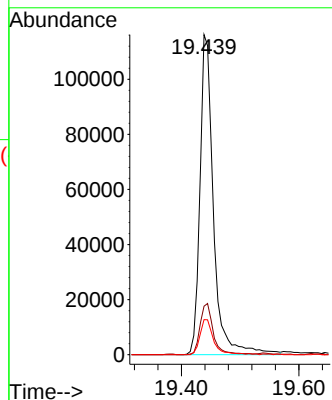
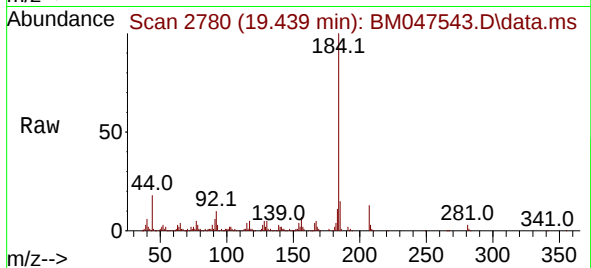
Tgt Ion:184 Resp: 185394

Ion Ratio Lower Upper

184 100

185 15.2 12.2 18.2

183 11.0 9.6 14.4



#78

Pyrene

Concen: 6.195 ng

RT: 19.621 min Scan# 2811

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

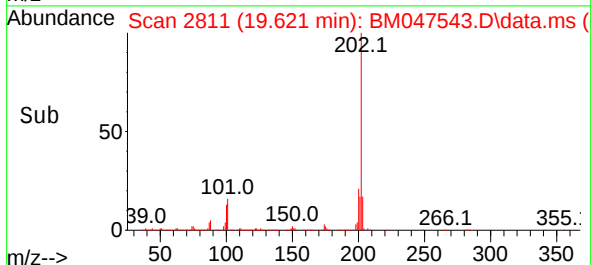
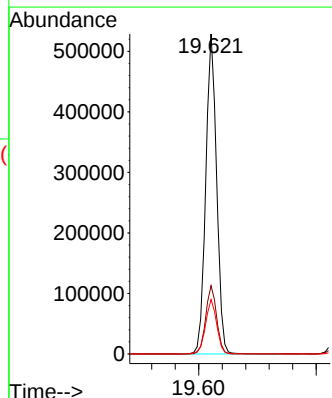
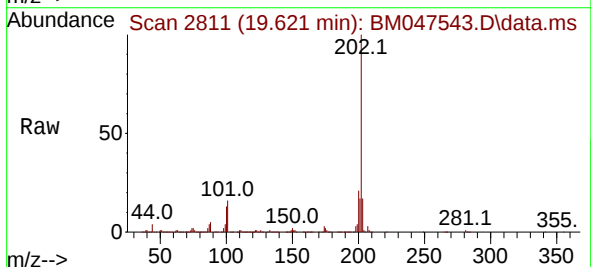
Tgt Ion:202 Resp: 678868

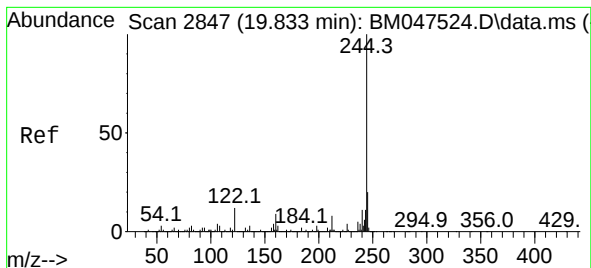
Ion Ratio Lower Upper

202 100

200 21.4 17.2 25.8

203 17.0 14.0 21.0





#79

Terphenyl-d14

Concen: 69.492 ng

RT: 19.827 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

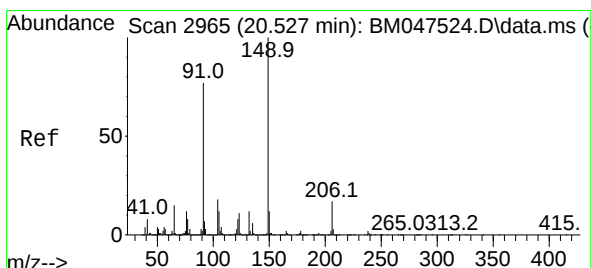
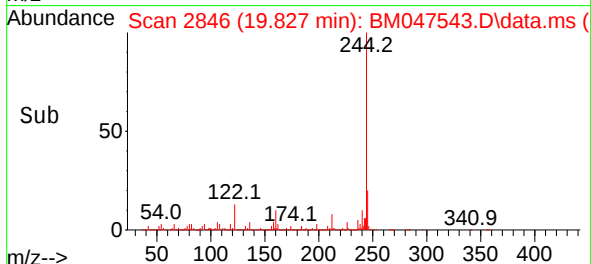
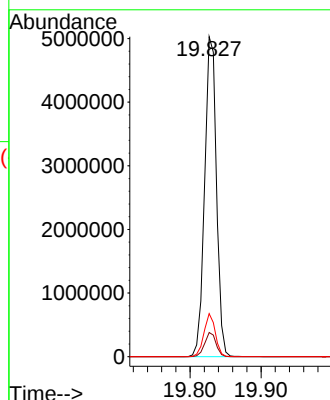
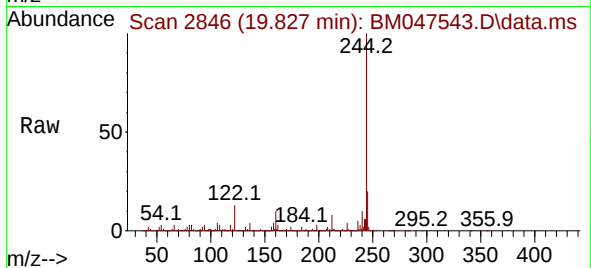
Tgt Ion:244 Resp: 5825980

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

122 13.5 9.6 14.4



#80

Butylbenzylphthalate

Concen: 5.882 ng

RT: 20.521 min Scan# 2964

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

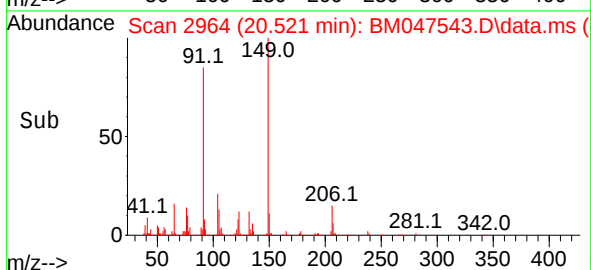
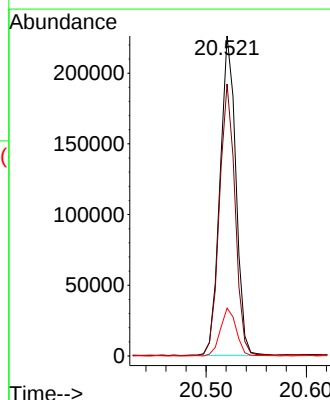
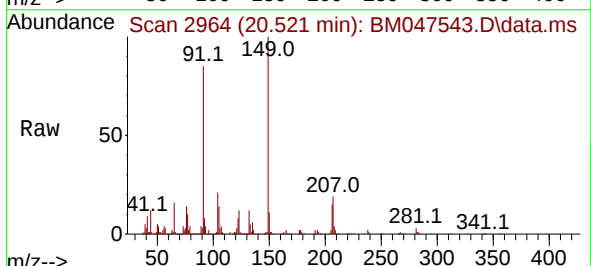
Tgt Ion:149 Resp: 248137

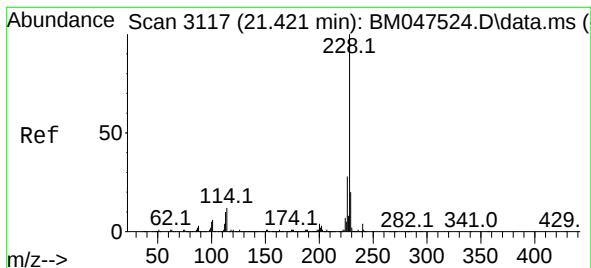
Ion Ratio Lower Upper

149 100

91 85.0 62.0 93.0

206 15.0 13.8 20.8





#81

Benzo(a)anthracene

Concen: 6.799 ng

RT: 21.421 min Scan# 3117

Delta R.T. -0.000 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

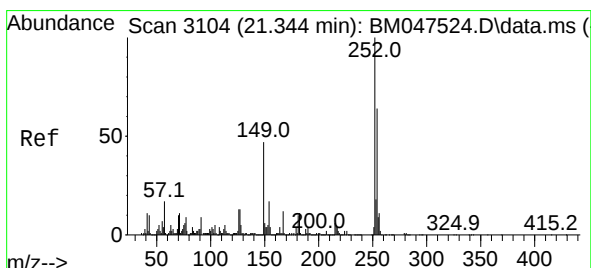
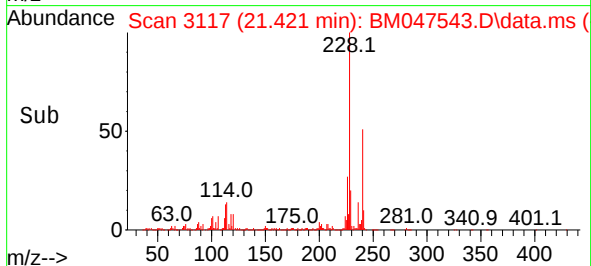
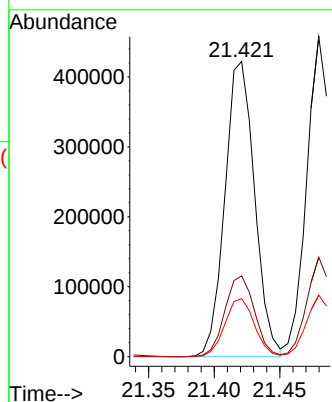
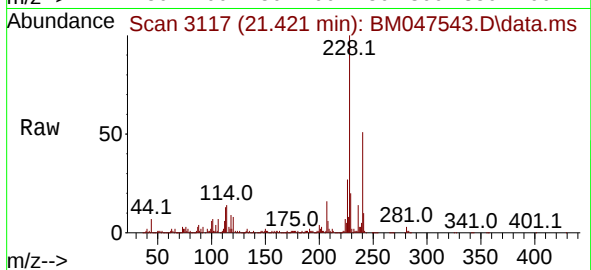
Tgt Ion:228 Resp: 665774

Ion Ratio Lower Upper

228 100

226 27.4 22.4 33.6

229 19.7 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 6.778 ng

RT: 21.339 min Scan# 3103

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

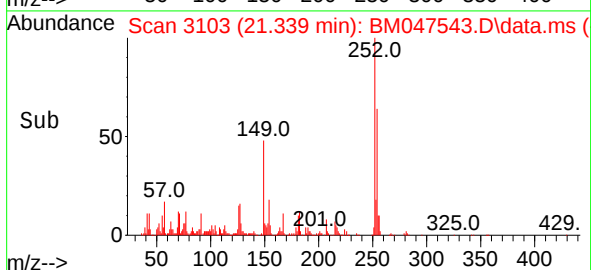
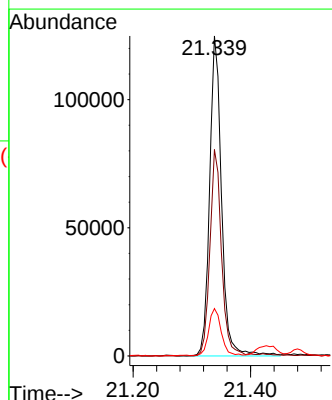
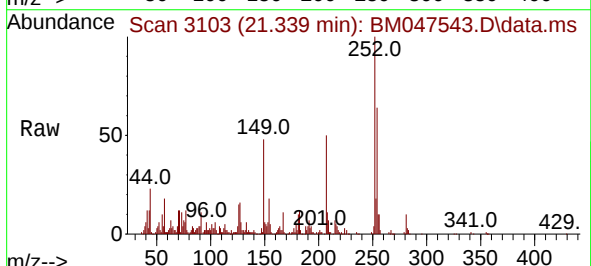
Tgt Ion:252 Resp: 176551

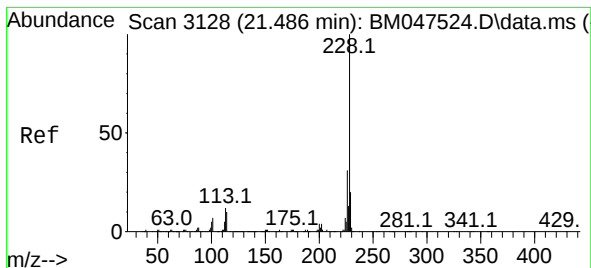
Ion Ratio Lower Upper

252 100

254 64.5 51.5 77.3

126 14.8 10.3 15.5





#83

Chrysene

Concen: 6.795 ng

RT: 21.480 min Scan# 3128

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

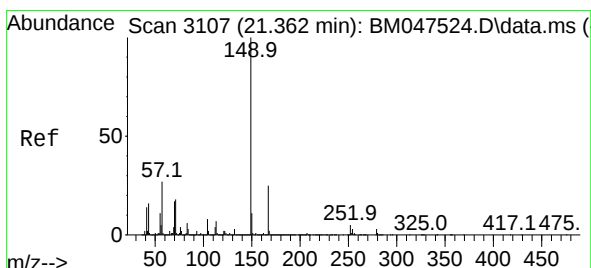
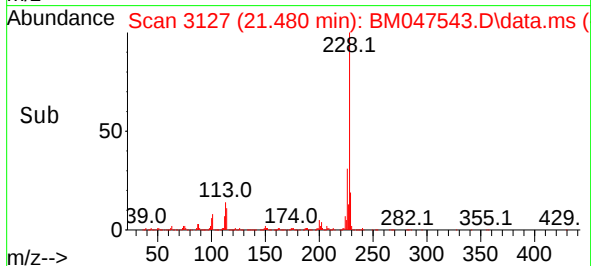
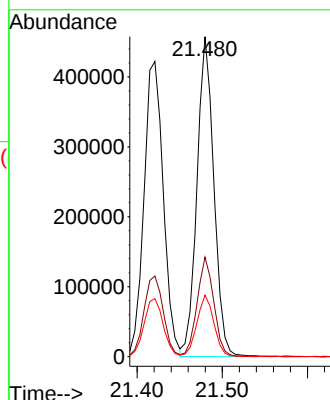
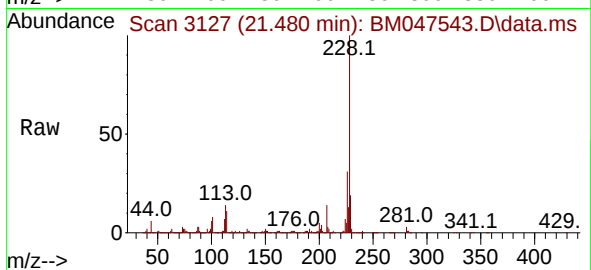
Tgt Ion:228 Resp: 629392

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

229 19.3 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.232 ng

RT: 21.356 min Scan# 3106

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

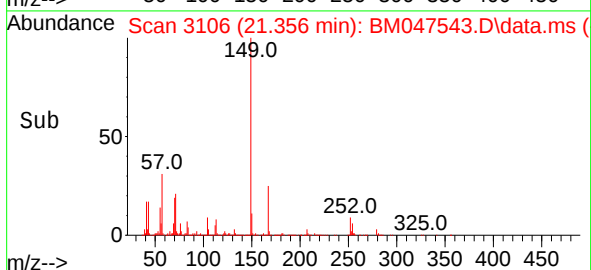
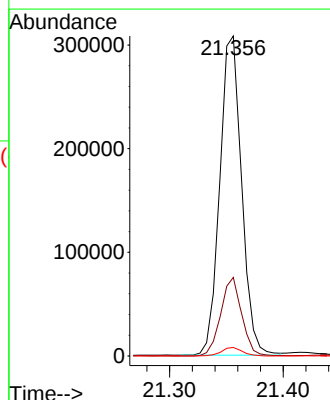
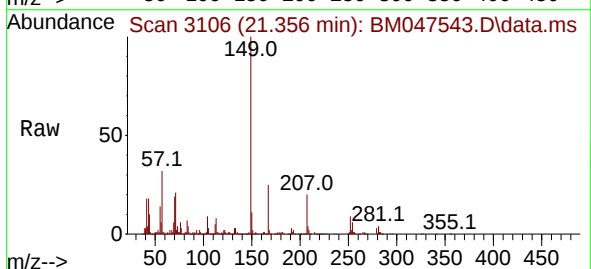
Tgt Ion:149 Resp: 411800

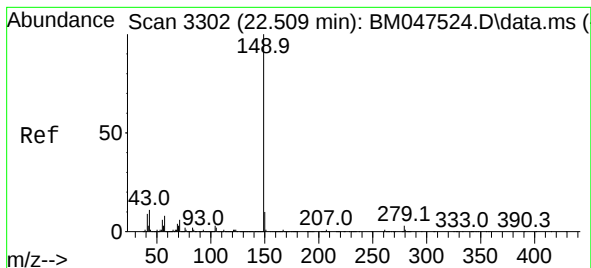
Ion Ratio Lower Upper

149 100

167 24.5 20.2 30.4

279 2.7 2.6 4.0





#85

Di-n-octyl phthalate

Concen: 6.244 ng

RT: 22.503 min Scan# 3302

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

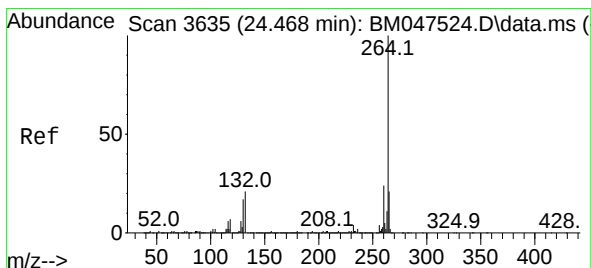
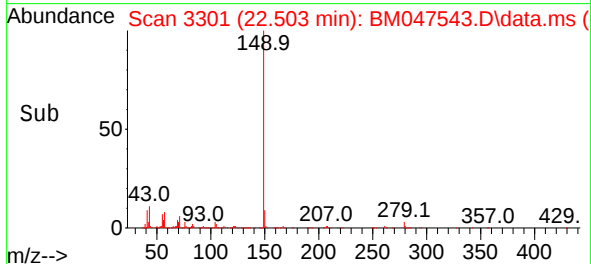
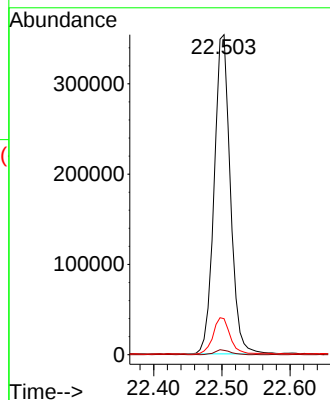
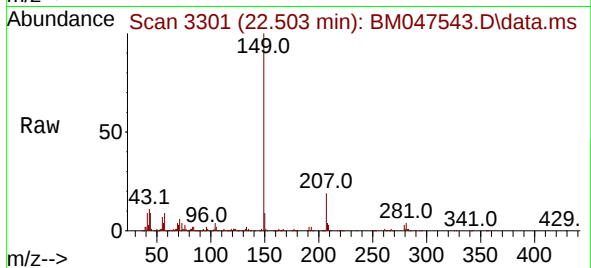
Tgt Ion:149 Resp: 583687

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

43 12.2 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.462 min Scan# 3634

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

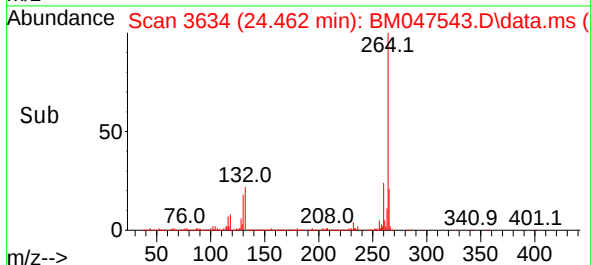
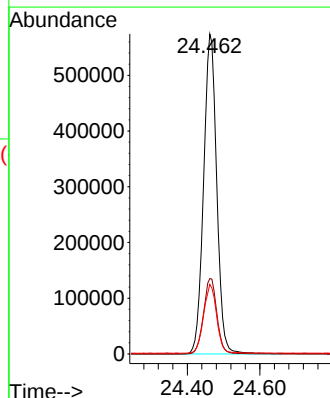
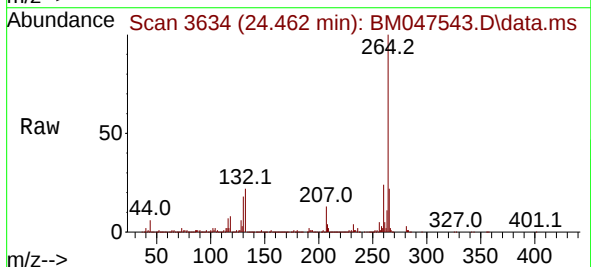
Tgt Ion:264 Resp: 1442147

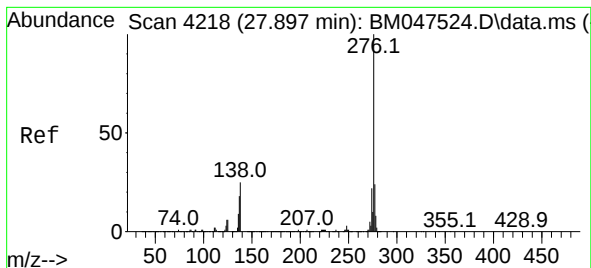
Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 21.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.261 ng

RT: 27.873 min Scan# 41

Delta R.T. -0.024 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

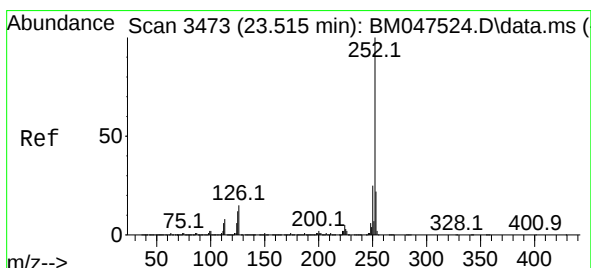
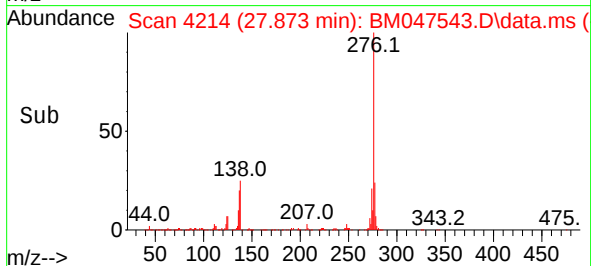
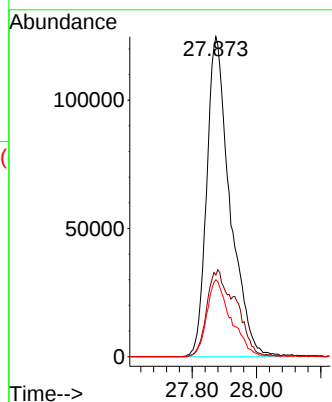
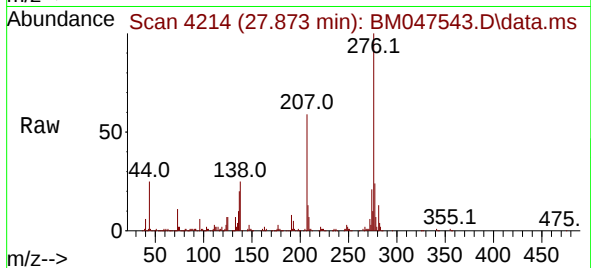
Tgt Ion:276 Resp: 626631

Ion Ratio Lower Upper

276 100

138 33.7 25.0 37.6

277 25.0 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 6.145 ng

RT: 23.503 min Scan# 3471

Delta R.T. -0.012 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

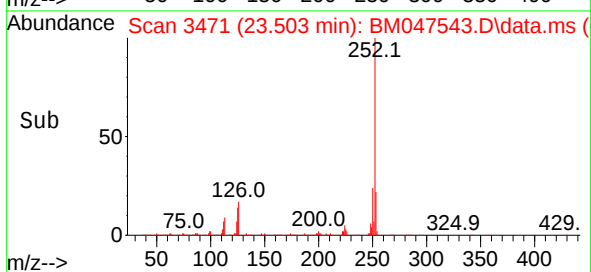
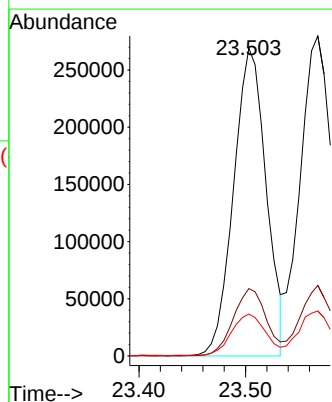
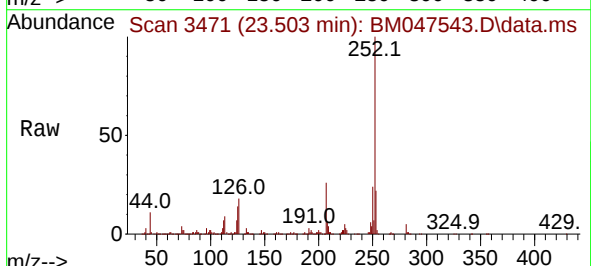
Tgt Ion:252 Resp: 573375

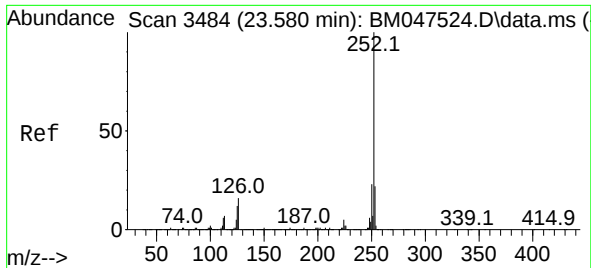
Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

125 13.6 9.5 14.3





#89

Benzo(k)fluoranthene

Concen: 6.573 ng

RT: 23.568 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

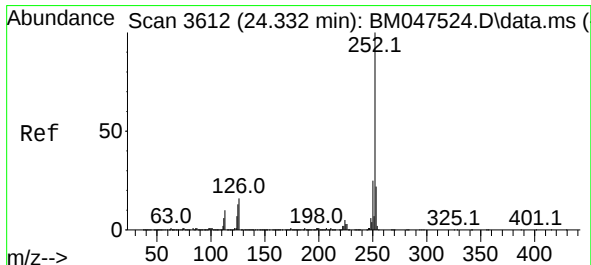
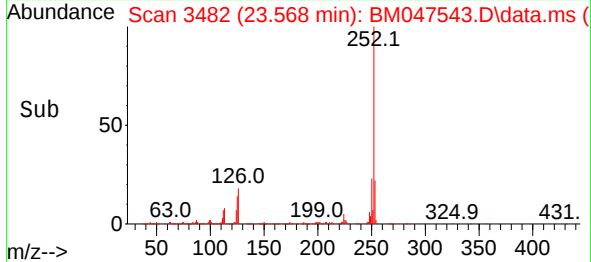
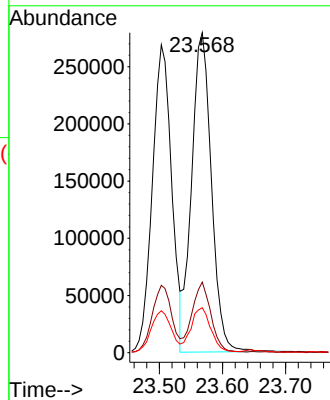
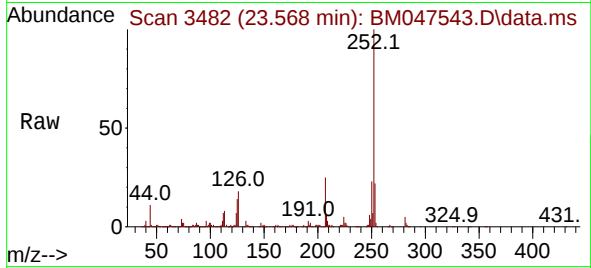
Tgt Ion:252 Resp: 607851

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

125 14.1 9.5 14.3



#90

Benzo(a)pyrene

Concen: 6.710 ng

RT: 24.315 min Scan# 3609

Delta R.T. -0.018 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

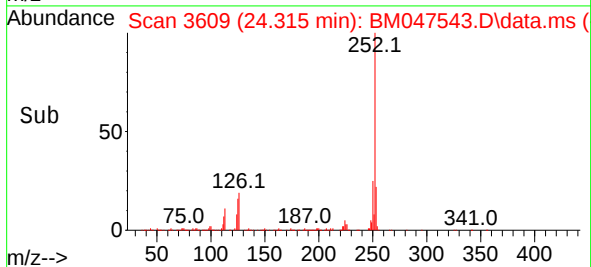
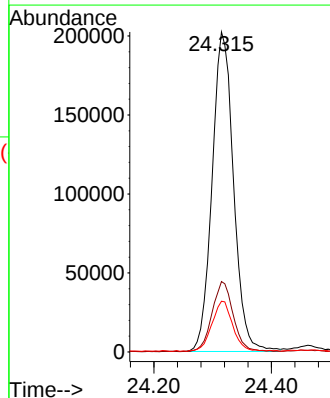
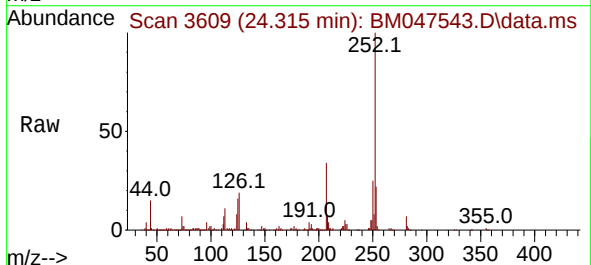
Tgt Ion:252 Resp: 513140

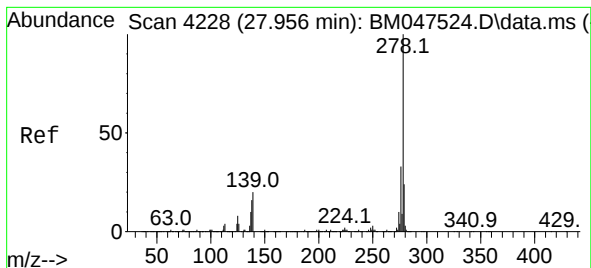
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 15.9 10.2 15.4#





#91

Dibenzo(a,h)anthracene

Concen: 6.984 ng

RT: 27.932 min Scan# 4394

Delta R.T. -0.024 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

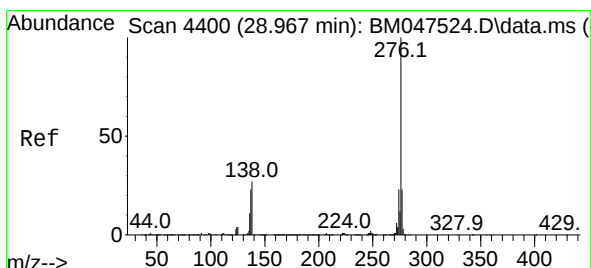
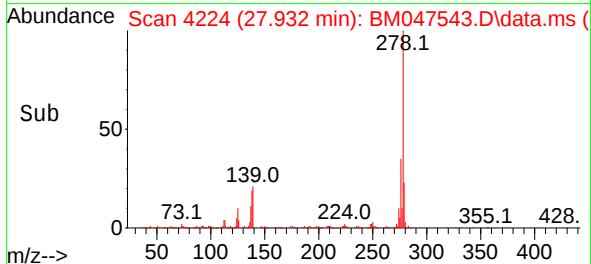
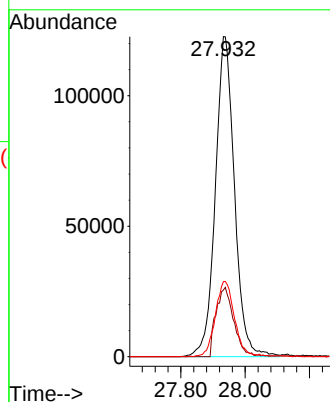
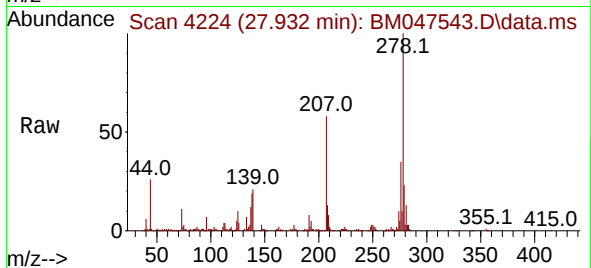
Tgt Ion:278 Resp: 507096

Ion Ratio Lower Upper

278 100

139 20.8 15.9 23.9

279 23.5 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 6.869 ng

RT: 28.932 min Scan# 4394

Delta R.T. -0.035 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Tgt Ion:276 Resp: 487228

Ion Ratio Lower Upper

276 100

277 24.3 18.6 28.0

138 28.1 21.5 32.3

