

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111422\
 Data File : BM037501.D
 Acq On : 14 Nov 2022 12:17
 Operator : CG/JU
 Sample : N5317-12
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: Nov 15 00:01:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM111222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 14 01:42:00 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.792	152	205636	20.000	ng	0.00
21) Naphthalene-d8	10.592	136	900778	20.000	ng	-0.01
39) Acenaphthene-d10	14.439	164	576914	20.000	ng	0.00
64) Phenanthrene-d10	17.186	188	1211186	20.000	ng	0.00
76) Chrysene-d12	21.374	240	1329132	20.000	ng	0.00
86) Perylene-d12	23.703	264	1231994	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	1201825	110.369	ng	0.00
7) Phenol-d6	6.975	99	1721436	109.876	ng	0.00
23) Nitrobenzene-d5	8.969	82	1129131	65.140	ng	0.00
42) 2,4,6-Tribromophenol	15.933	330	964433	120.901	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	2805577	67.586	ng	0.00
79) Terphenyl-d14	19.815	244	5565617	83.629	ng	0.00
Target Compounds						
						Qvalue
6) Aniline	7.228	93	2133048	107.603	ng	# 55
10) Phenol	7.004	94	1152515	64.585	ng	100
11) bis(2-Chloroethyl)ether	7.228	93	2133048	147.642	ng	99
12) 1,3-Dichlorobenzene	7.681	146	2117061	134.475	ng	99
13) 1,4-Dichlorobenzene	7.681	146	2117061	130.112	ng	100
14) 1,2-Dichlorobenzene	8.145	146	1621602	101.275	ng	99
19) n-Nitroso-di-n-propyla...	8.610	70	878319	70.997	ng	98
24) Nitrobenzene	9.010	77	2223445	124.353	ng	99
25) Isophorone	9.539	82	4276807	133.738	ng	99
26) 2-Nitrophenol	9.722	139	845322	101.357	ng	99
27) 2,4-Dimethylphenol	9.716	122	54199	4.524	ng	# 7
28) bis(2-Chloroethoxy)met...	10.016	93	1491485	80.871	ng	99
30) 1,2,4-Trichlorobenzene	10.457	180	2115965	135.222	ng	100
32) Benzoic acid	9.716	122	54199	9.938	ng	# 8
34) Hexachlorobutadiene	10.916	225	1122205	123.105	ng	98
36) 4-Chloro-3-methylphenol	11.898	107	1388440	88.783	ng	100
37) 2-Methylnaphthalene	12.257	142	1258099	35.030	ng	99
38) 1-Methylnaphthalene	12.257	142	1258099	35.241	ng	98
43) 2,4,6-Trichlorophenol	12.874	196	1083805	89.171	ng	99
44) 2,4,5-Trichlorophenol	12.874	196	1083805	80.535	ng	# 92
47) 2-Chloronaphthalene	13.316	162	1657672	46.139	ng	99
49) Acenaphthylene	14.163	152	2321959	40.350	ng	100
50) Dimethylphthalate	13.916	163	4878060	105.642	ng	99
51) 2,6-Dinitrotoluene	14.039	165	723769	72.948	ng	99
52) Acenaphthene	14.504	154	1580536	44.996	ng	100
53) 3-Nitroaniline	14.504	138	1713	3.093	ng	# 1
54) 2,4-Dinitrophenol	14.680	184	466	6.446	ng	# 1
55) Dibenzofuran	14.839	168	4195161	74.688	ng	100
56) 4-Nitrophenol	14.686	139	780257	80.183	ng	99
57) 2,4-Dinitrotoluene	14.827	165	851950	62.026	ng	96
58) Fluorene	15.492	166	5901907	123.905	ng	99
61) 4-Chlorophenyl-phenyle...	15.486	204	1674591	75.236	ng	99
62) 4-Nitroaniline	15.492	138	70976	9.543	ng	# 27
67) 4-Bromophenyl-phenylether	16.380	248	979902	72.284	ng	98
71) Phenanthrene	17.227	178	4452271	59.882	ng	99
72) Anthracene	17.227	178	4452271	62.446	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111422\
 Data File : BM037501.D
 Acq On : 14 Nov 2022 12:17
 Operator : CG/JU
 Sample : N5317-12
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: Nov 15 00:01:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM111222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 14 01:42:00 2022
 Response via : Initial Calibration

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

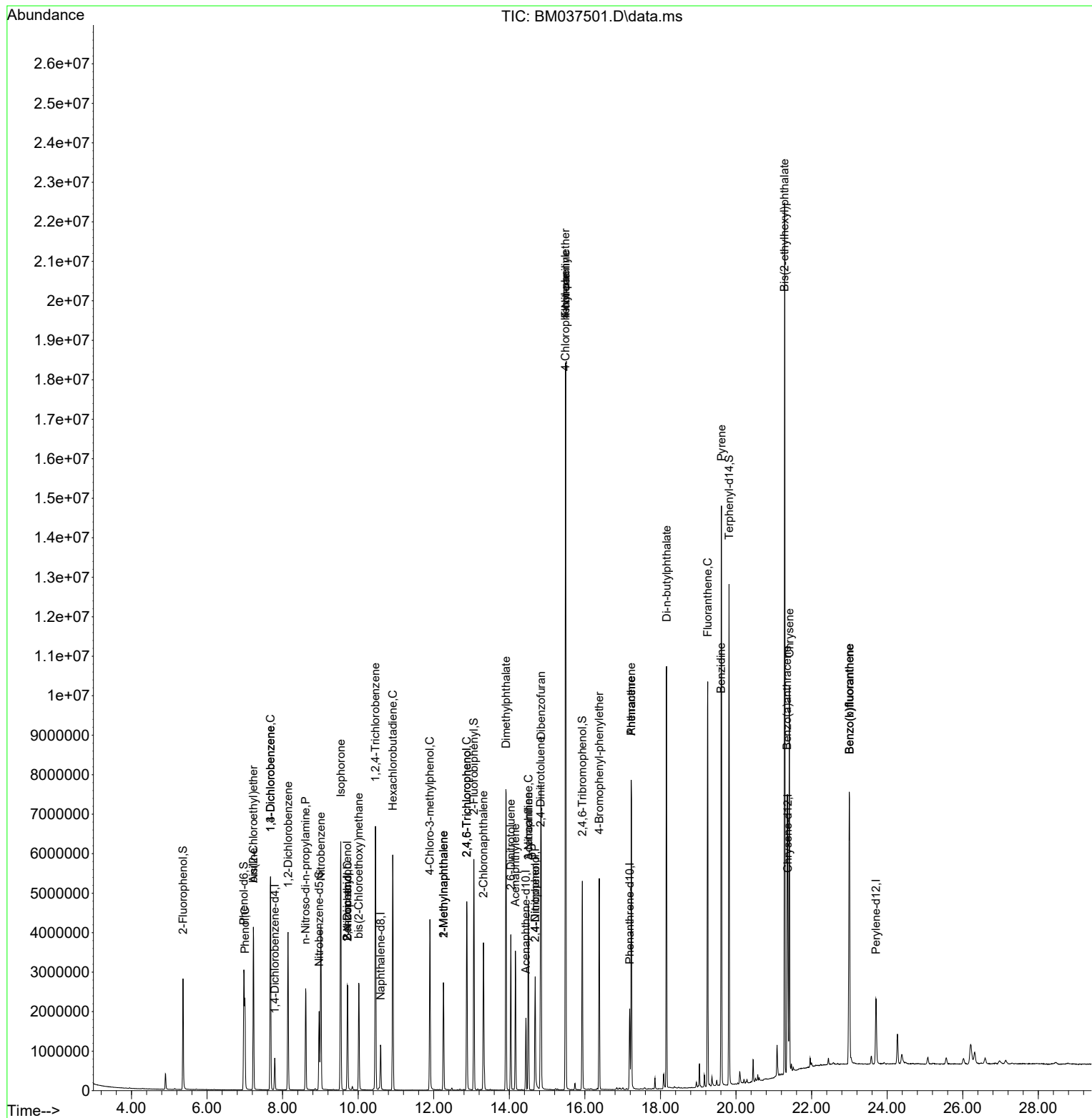
74) Di-n-butylphthalate	18.162	149	7701427	86.806	ng	99
75) Fluoranthene	19.251	202	5792112	65.357	ng	99
77) Benzidine	19.603	184	123	2.439	ng	# 1
78) Pyrene	19.615	202	8373635	96.066	ng	98
81) Benzo(a)anthracene	21.356	228	3489213	37.450	ng	100
83) Chrysene	21.415	228	4595233	51.087	ng	100
84) Bis(2-ethylhexyl)phtha...	21.286	149	7917159	143.407	ng	98
88) Benzo(b)fluoranthene	23.003	252	4796147	58.059	ng	100
89) Benzo(k)fluoranthene	23.003	252	4796147	57.244	ng	100

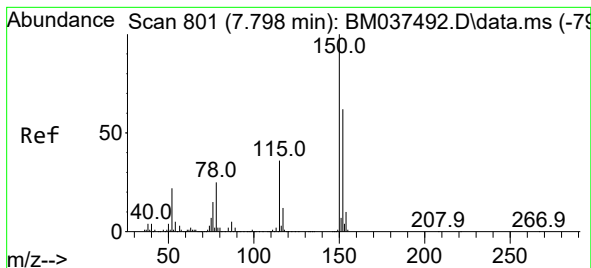
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111422\
Data File : BM037501.D
Acq On : 14 Nov 2022 12:17
Operator : CG/JU
Sample : N5317-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

Quant Time: Nov 15 00:01:42 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM111222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 14 01:42:00 2022
Response via : Initial Calibration

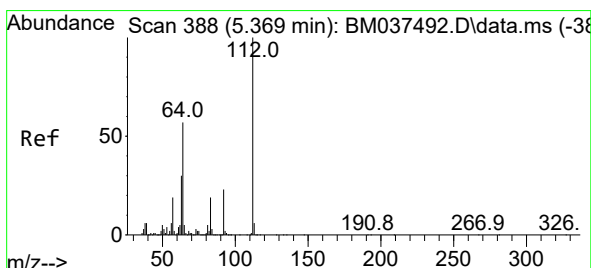
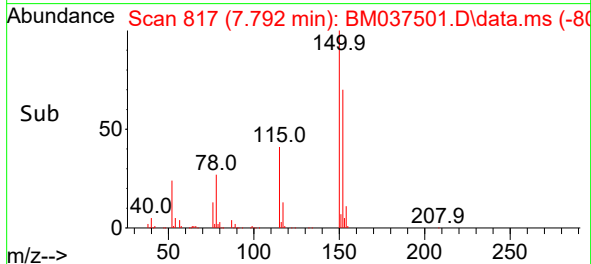
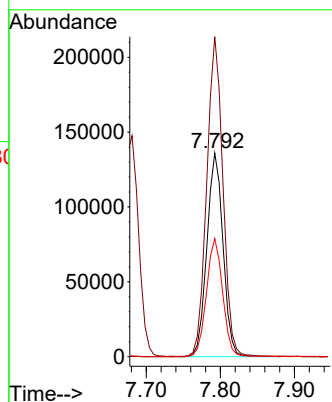
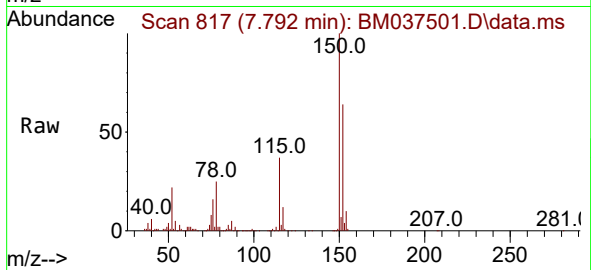




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.792 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

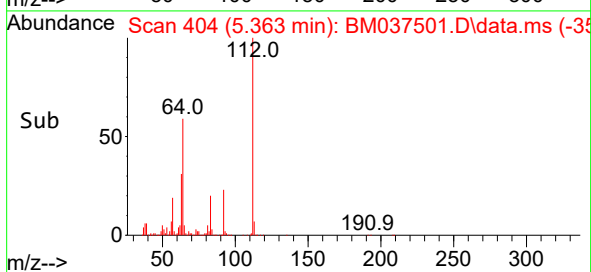
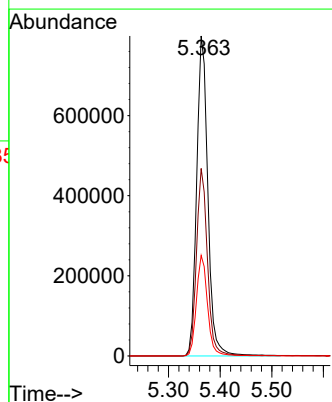
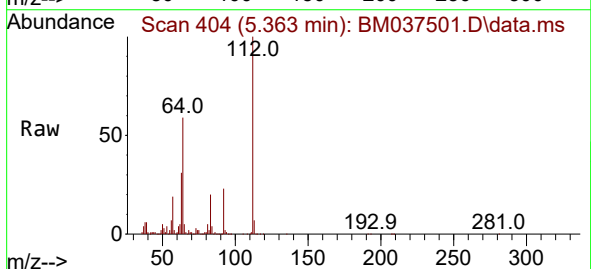
Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

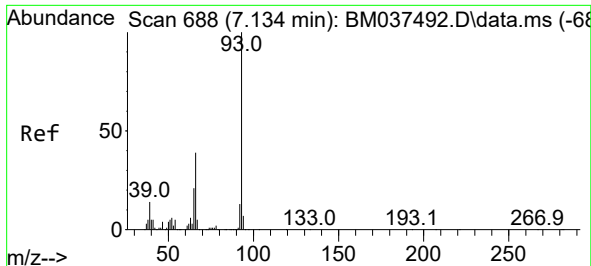
Tgt Ion:152 Resp: 205636
Ion Ratio Lower Upper
152 100
150 157.1 129.8 194.6
115 58.0 46.6 69.8



#5
2-Fluorophenol
Concen: 110.369 ng
RT: 5.363 min Scan# 404
Delta R.T. -0.006 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

Tgt Ion:112 Resp: 1201825
Ion Ratio Lower Upper
112 100
64 58.6 45.9 68.9
63 31.4 24.2 36.4

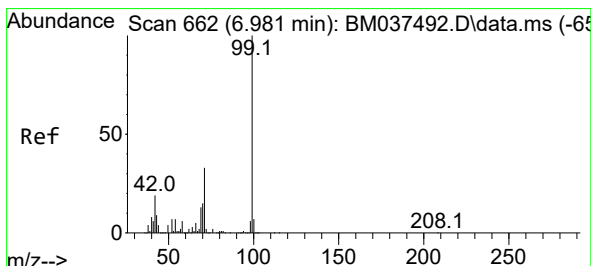
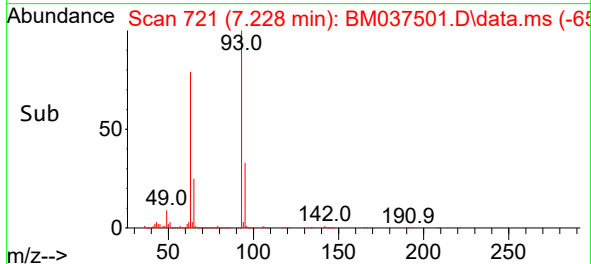
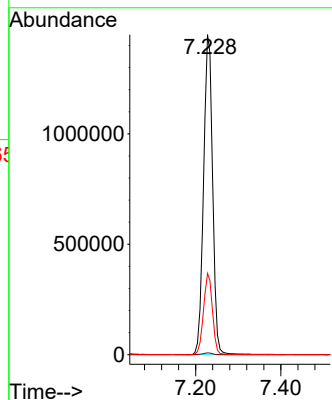
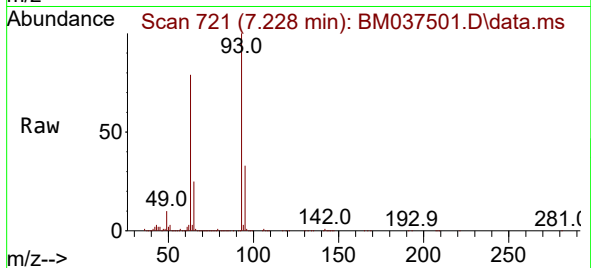




#6
Aniline
Concen: 107.603 ng
RT: 7.228 min Scan# 71
Delta R.T. 0.094 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

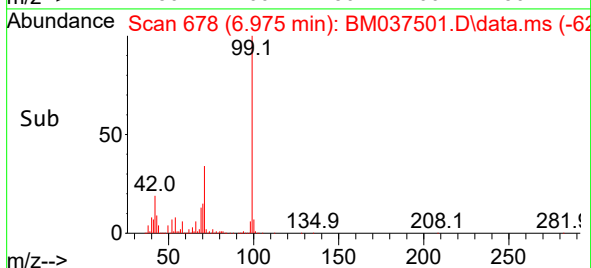
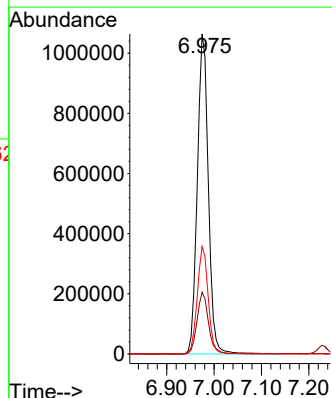
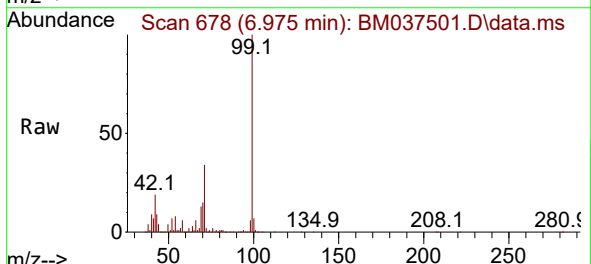
Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

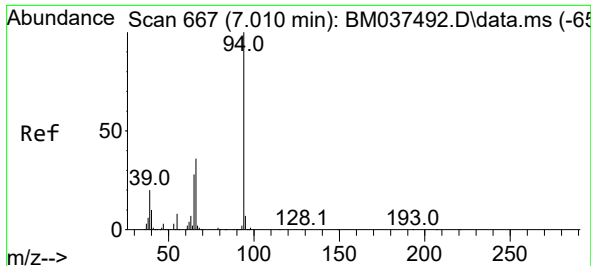
Tgt Ion: 93 Resp: 2133048
Ion Ratio Lower Upper
93 100
66 0.6 31.6 47.4#
65 25.4 16.9 25.3#



#7
Phenol-d6
Concen: 109.876 ng
RT: 6.975 min Scan# 678
Delta R.T. -0.006 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

Tgt Ion: 99 Resp: 1721436
Ion Ratio Lower Upper
99 100
42 19.3 15.0 22.6
71 33.5 26.2 39.2

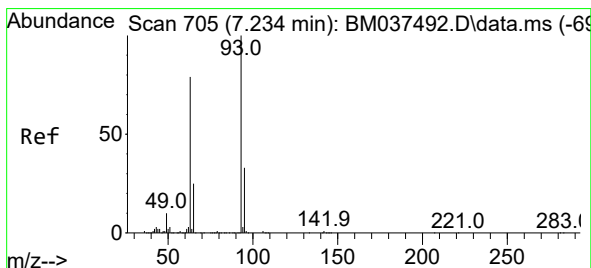
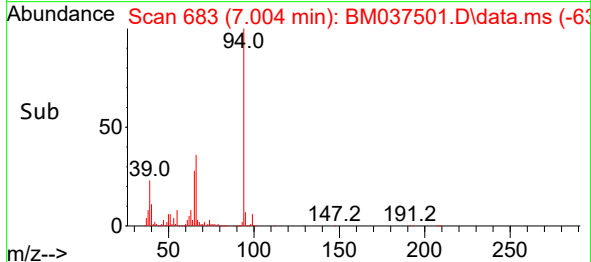
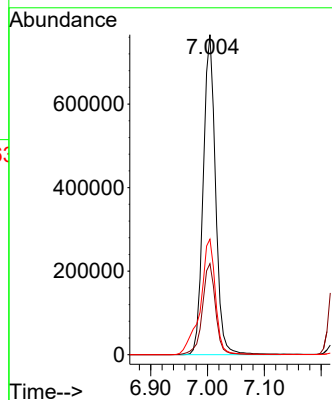
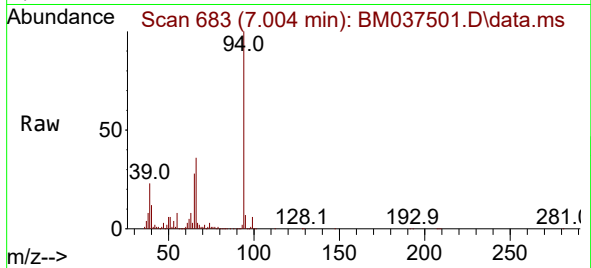




#10
Phenol
Concen: 64.585 ng
RT: 7.004 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

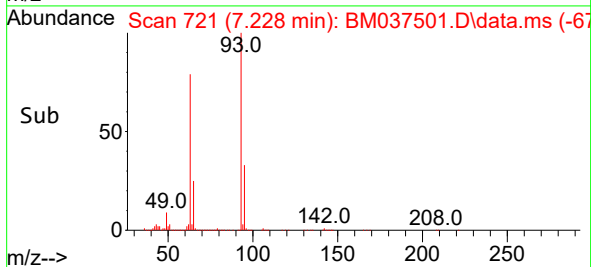
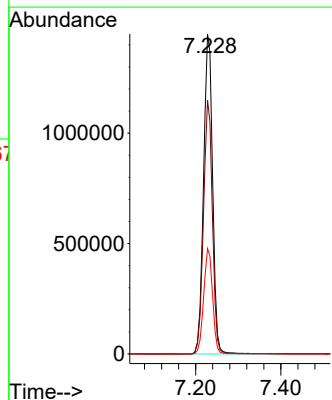
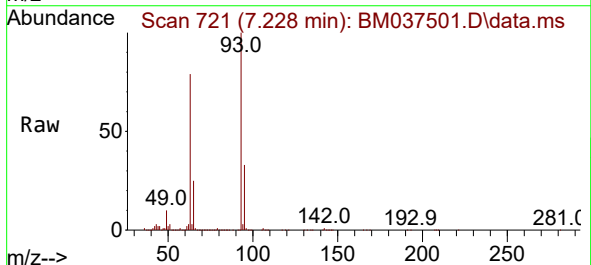
Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

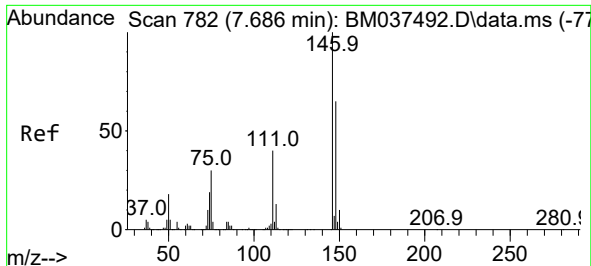
Tgt Ion: 94 Resp: 1152515
Ion Ratio Lower Upper
94 100
65 28.5 8.6 48.6
66 36.1 16.5 56.5



#11
bis(2-Chloroethyl)ether
Concen: 147.642 ng
RT: 7.228 min Scan# 721
Delta R.T. -0.006 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

Tgt Ion: 93 Resp: 2133048
Ion Ratio Lower Upper
93 100
63 79.3 58.3 98.3
95 32.9 12.6 52.6





#12

1,3-Dichlorobenzene

Concen: 134.475 ng

RT: 7.681 min Scan# 798

Delta R.T. -0.006 min

Lab File: BM037501.D

Acq: 14 Nov 2022 12:17

Instrument :

BNA_M

ClientSampleId :

PT-BNA-SOIL

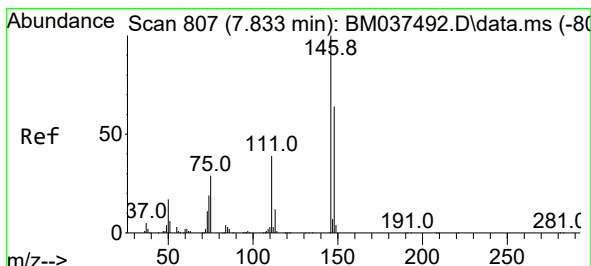
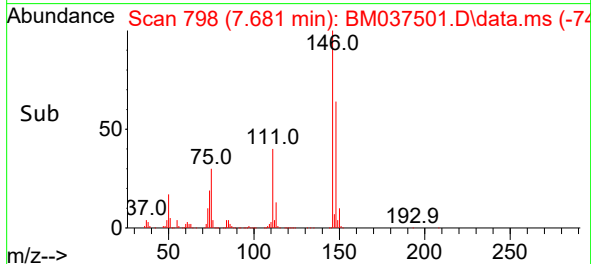
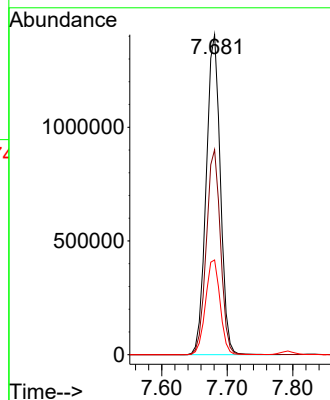
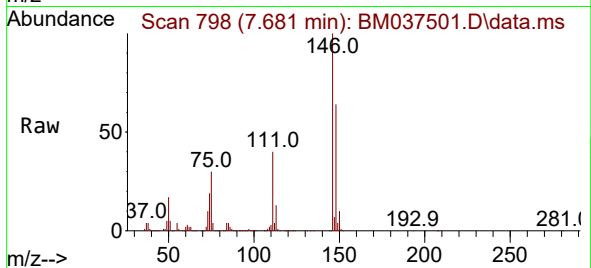
Tgt Ion:146 Resp: 2117061

Ion Ratio Lower Upper

146 100

148 64.0 51.7 77.5

75 29.6 23.8 35.6



#13

1,4-Dichlorobenzene

Concen: 130.112 ng

RT: 7.681 min Scan# 798

Delta R.T. -0.153 min

Lab File: BM037501.D

Acq: 14 Nov 2022 12:17

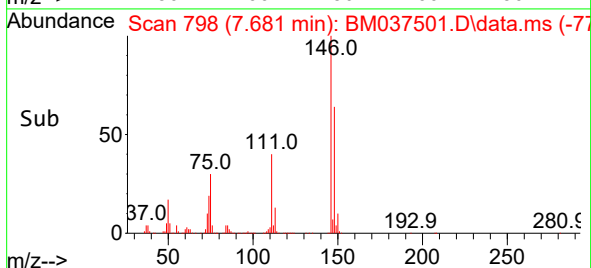
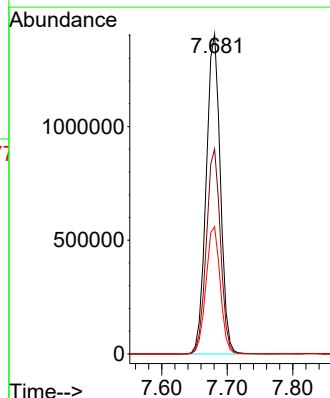
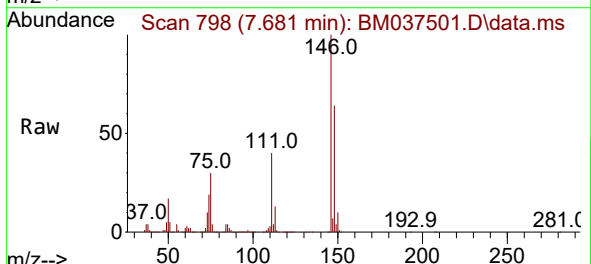
Tgt Ion:146 Resp: 2117061

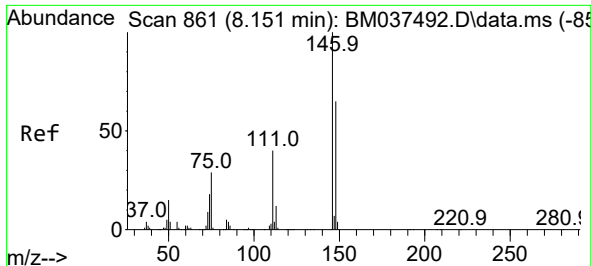
Ion Ratio Lower Upper

146 100

148 64.0 51.6 77.4

111 39.7 31.8 47.8

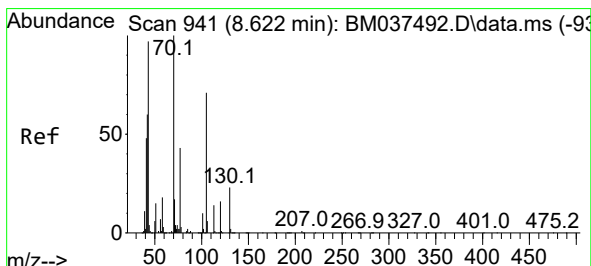
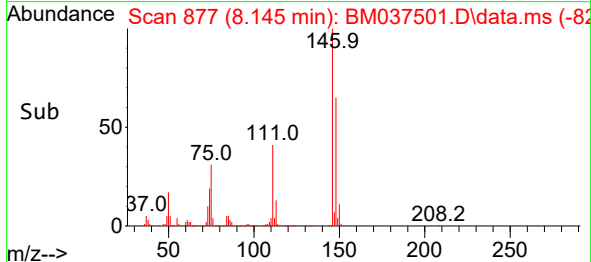
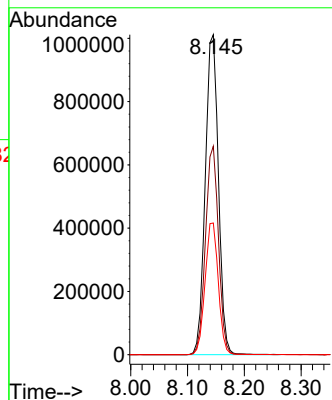
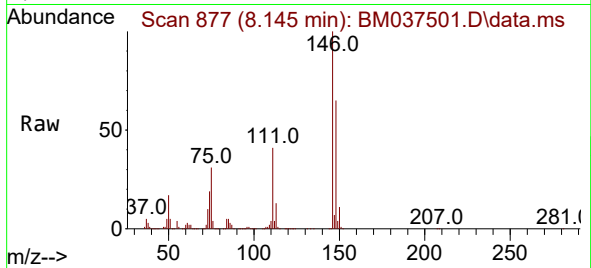




#14
1,2-Dichlorobenzene
Concen: 101.275 ng
RT: 8.145 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

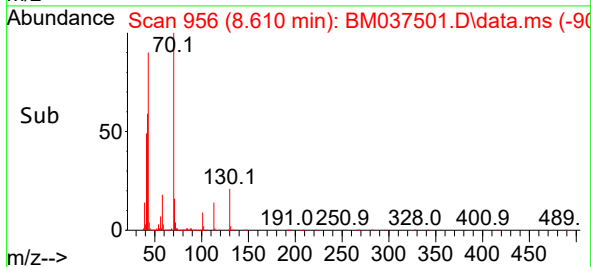
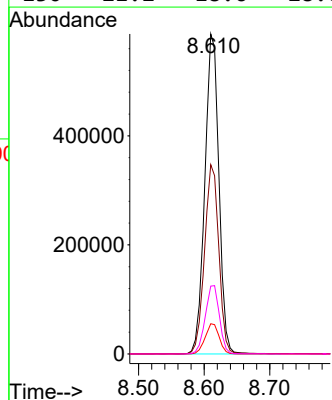
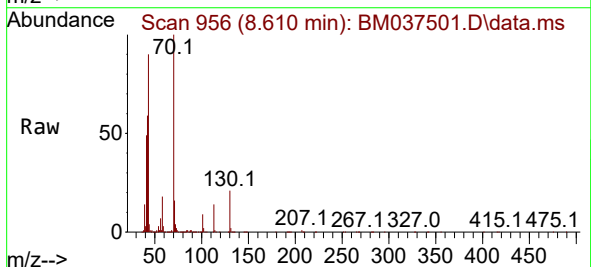
Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

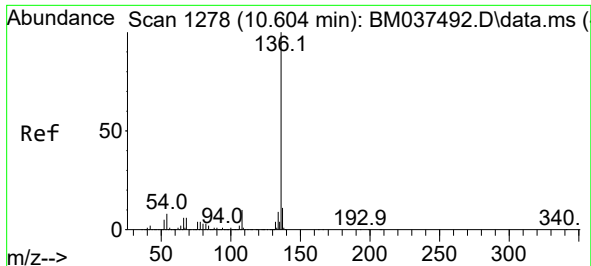
Tgt Ion:146 Resp: 1621602
Ion Ratio Lower Upper
146 100
148 65.1 51.7 77.5
111 41.2 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 70.997 ng
RT: 8.610 min Scan# 956
Delta R.T. -0.012 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

Tgt Ion: 70 Resp: 878319
Ion Ratio Lower Upper
70 100
42 59.1 48.5 72.7
101 9.5 7.8 11.6
130 21.2 18.6 28.0

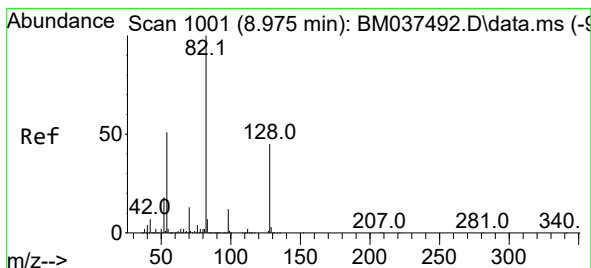
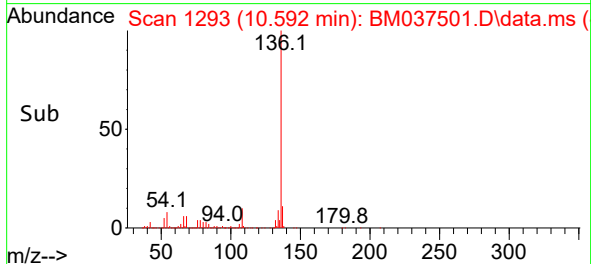
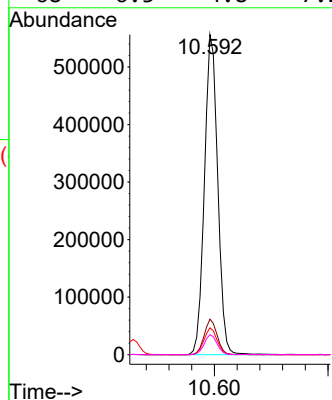
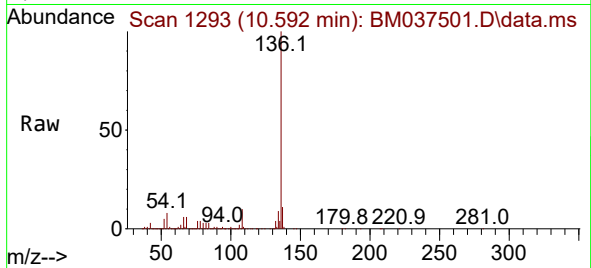




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.592 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

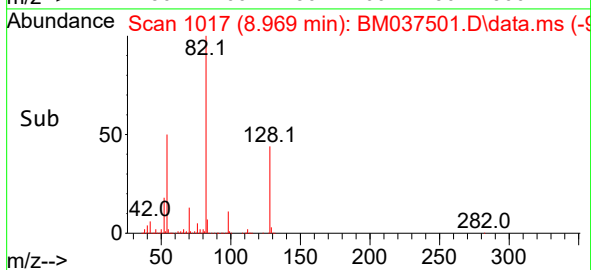
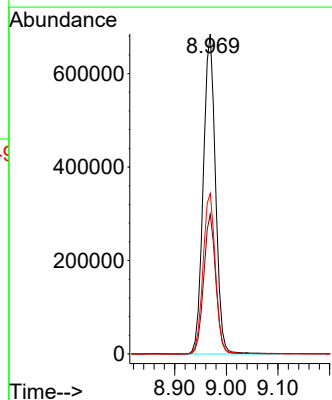
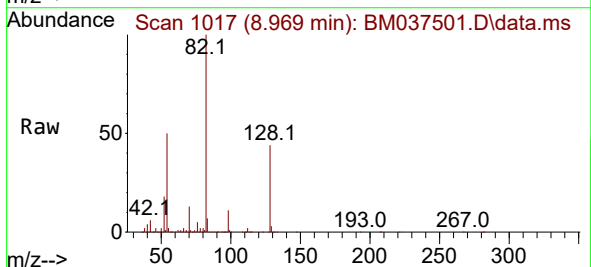
Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

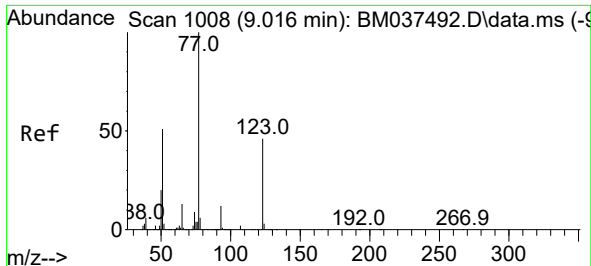
Tgt Ion:136 Resp: 900778
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 8.4 6.3 9.5
68 6.3 4.8 7.2



#23
Nitrobenzene-d5
Concen: 65.140 ng
RT: 8.969 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

Tgt Ion: 82 Resp: 1129131
Ion Ratio Lower Upper
82 100
128 43.7 36.3 54.5
54 50.2 40.7 61.1

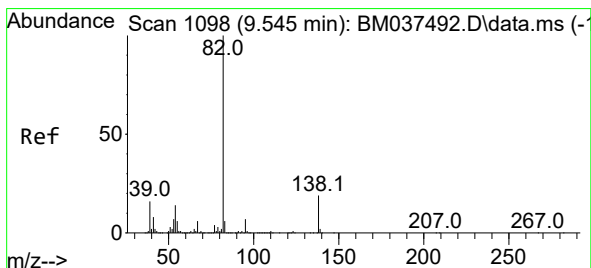
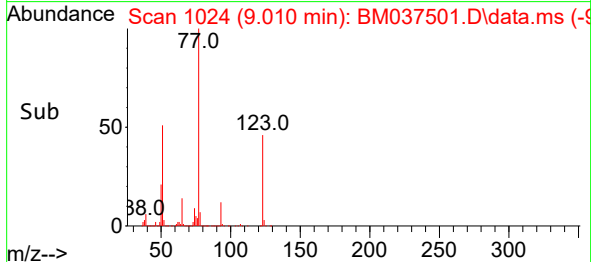
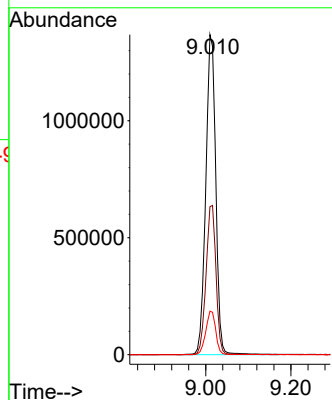
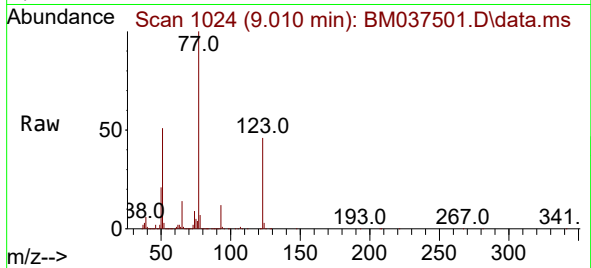




#24
Nitrobenzene
Concen: 124.353 ng
RT: 9.010 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

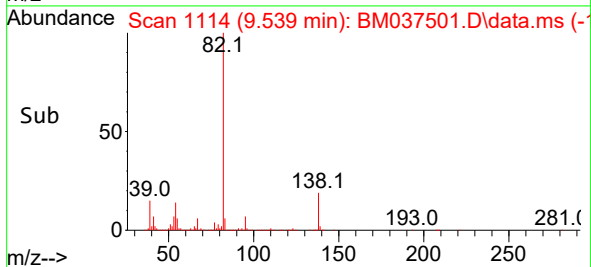
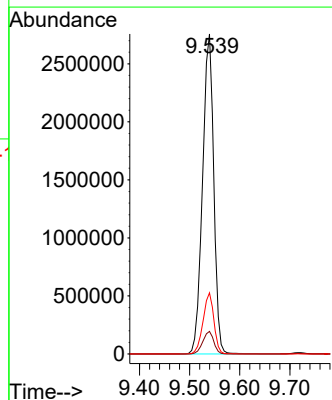
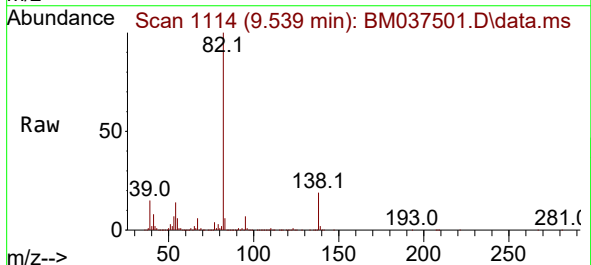
Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

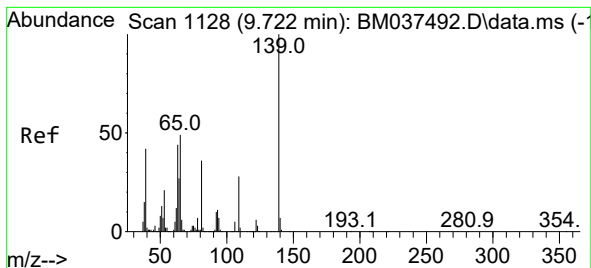
Tgt Ion: 77 Resp: 2223445
Ion Ratio Lower Upper
77 100
123 46.3 36.7 55.1
65 13.6 10.7 16.1



#25
Isophorone
Concen: 133.738 ng
RT: 9.539 min Scan# 1114
Delta R.T. -0.006 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

Tgt Ion: 82 Resp: 4276807
Ion Ratio Lower Upper
82 100
95 7.1 5.4 8.2
138 19.1 14.9 22.3





#26

2-Nitrophenol

Concen: 101.357 ng

RT: 9.722 min Scan# 1128

Delta R.T. 0.000 min

Lab File: BM037501.D

Acq: 14 Nov 2022 12:17

Instrument :

BNA_M

ClientSampleId :

PT-BNA-SOIL

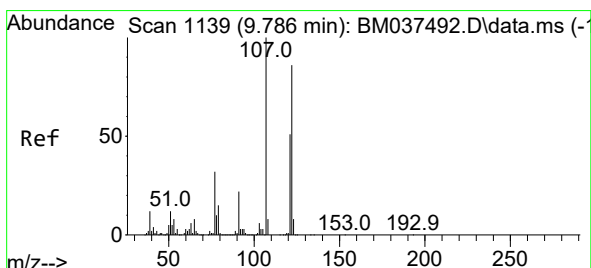
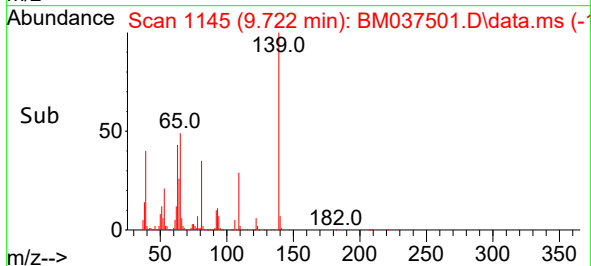
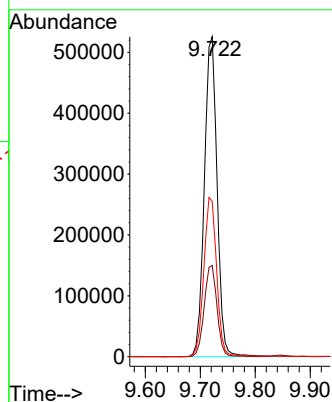
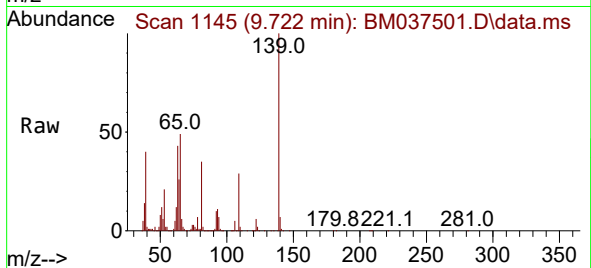
Tgt Ion:139 Resp: 845322

Ion Ratio Lower Upper

139 100

109 28.5 22.8 34.2

65 48.6 39.4 59.2



#27

2,4-Dimethylphenol

Concen: 4.524 ng

RT: 9.716 min Scan# 1144

Delta R.T. -0.070 min

Lab File: BM037501.D

Acq: 14 Nov 2022 12:17

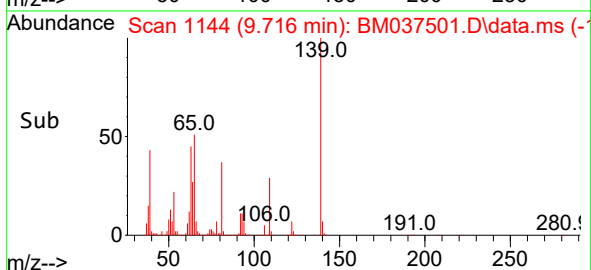
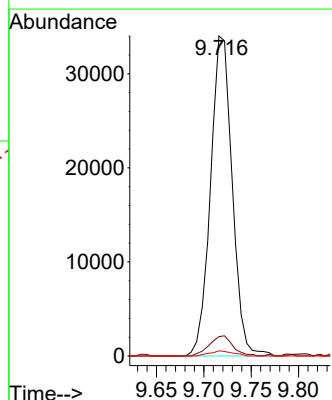
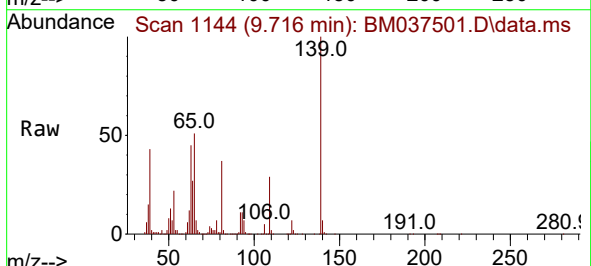
Tgt Ion:122 Resp: 54199

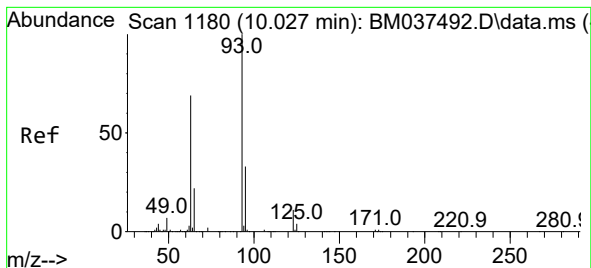
Ion Ratio Lower Upper

122 100

107 6.1 93.0 139.6#

121 1.6 47.4 71.2#

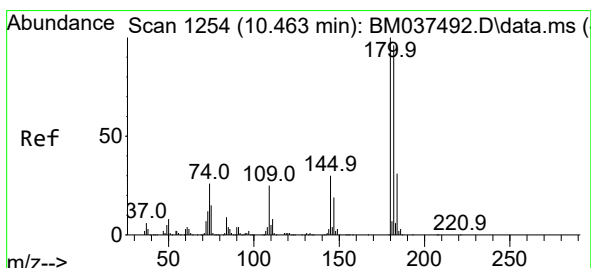
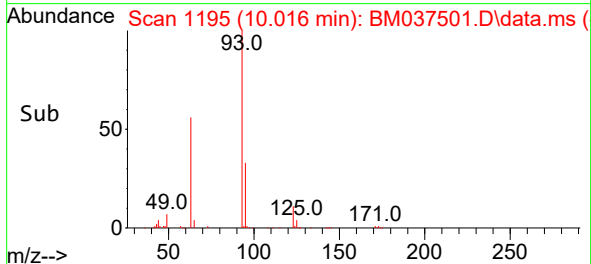
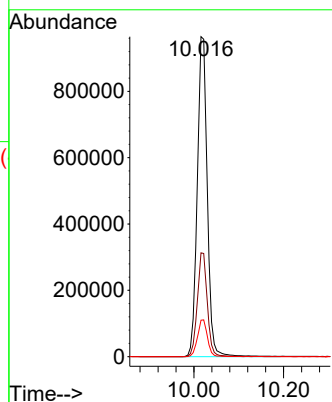
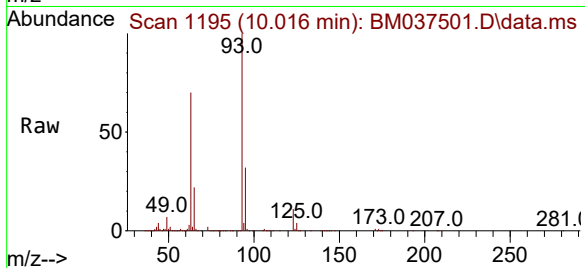




#28
bis(2-Chloroethoxy)methane
Concen: 80.871 ng
RT: 10.016 min Scan# 1180
Delta R.T. -0.012 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

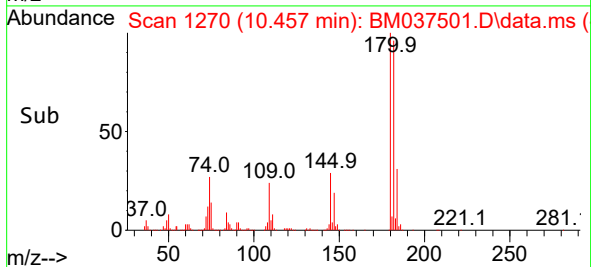
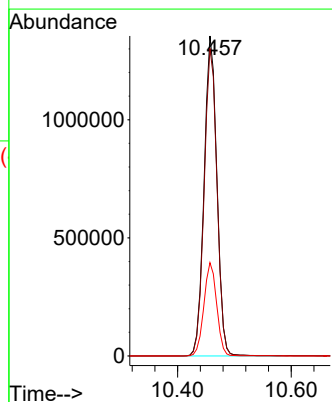
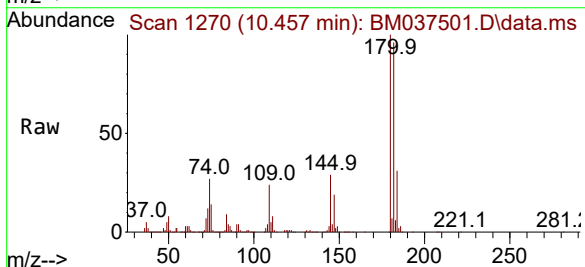
Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

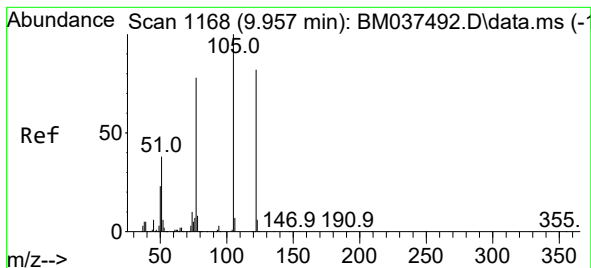
Tgt Ion: 93 Resp: 1491485
Ion Ratio Lower Upper
93 100
95 32.5 26.2 39.4
123 11.4 9.4 14.0



#30
1,2,4-Trichlorobenzene
Concen: 135.222 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

Tgt Ion:180 Resp: 2115965
Ion Ratio Lower Upper
180 100
182 96.1 77.0 115.4
145 29.2 23.9 35.9





#32

Benzoic acid

Concen: 9.938 ng

RT: 9.716 min Scan# 1144

Delta R.T. -0.241 min

Lab File: BM037501.D

Acq: 14 Nov 2022 12:17

Instrument :

BNA_M

ClientSampleId :

PT-BNA-SOIL

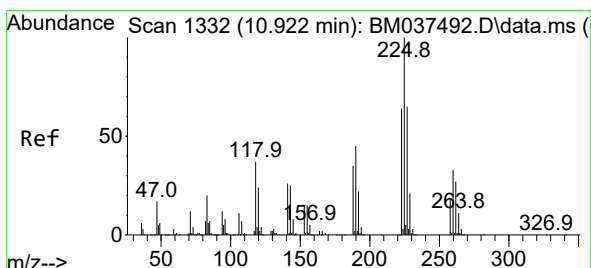
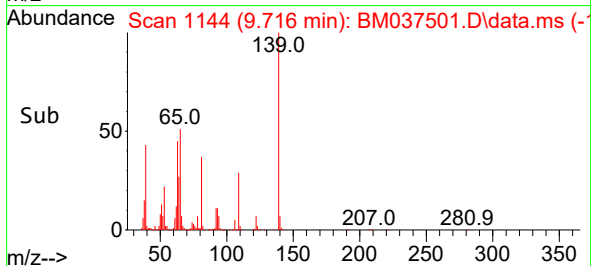
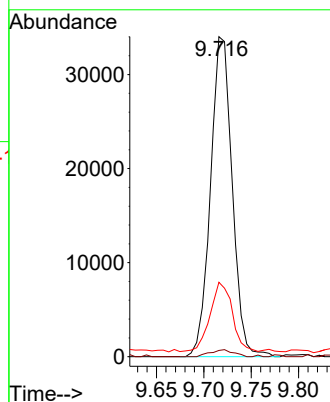
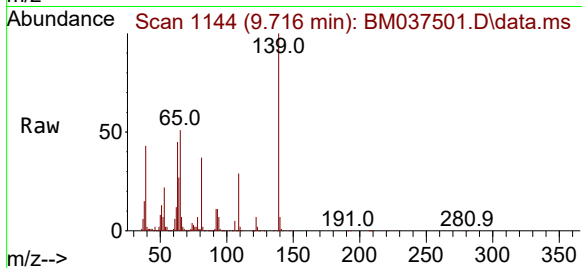
Tgt Ion:122 Resp: 54199

Ion Ratio Lower Upper

122 100

105 1.9 100.5 140.5#

77 23.3 74.1 114.1#



#34

Hexachlorobutadiene

Concen: 123.105 ng

RT: 10.916 min Scan# 1348

Delta R.T. -0.006 min

Lab File: BM037501.D

Acq: 14 Nov 2022 12:17

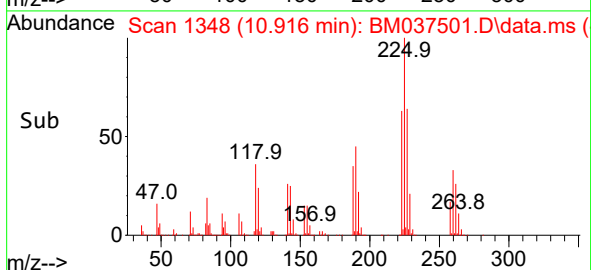
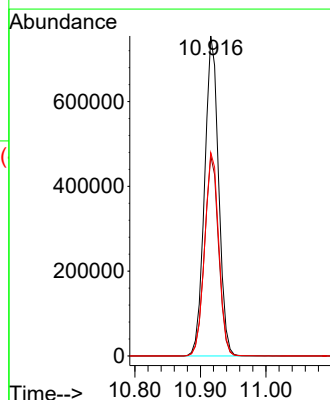
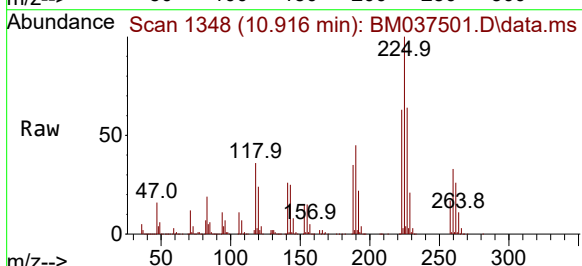
Tgt Ion:225 Resp: 1122205

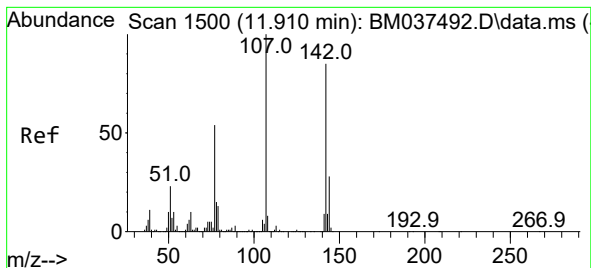
Ion Ratio Lower Upper

225 100

223 62.5 51.4 77.2

227 63.5 52.0 78.0

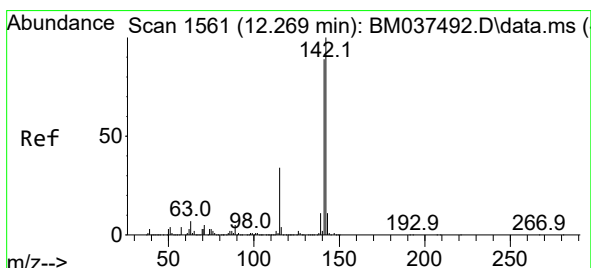
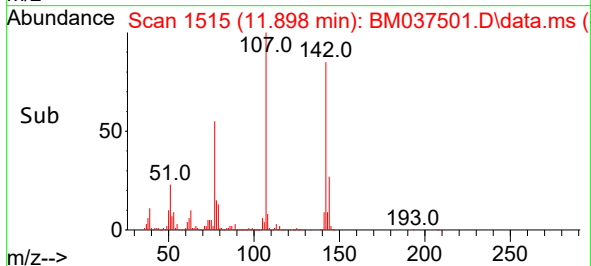
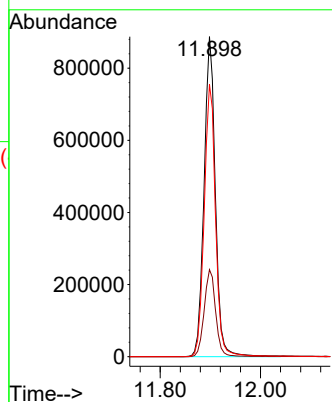
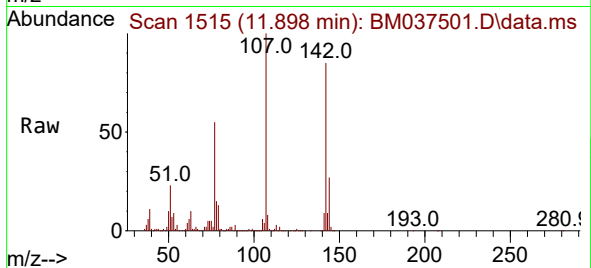




#36
 4-Chloro-3-methylphenol
 Concen: 88.783 ng
 RT: 11.898 min Scan# 1515
 Delta R.T. -0.012 min
 Lab File: BM037501.D
 Acq: 14 Nov 2022 12:17

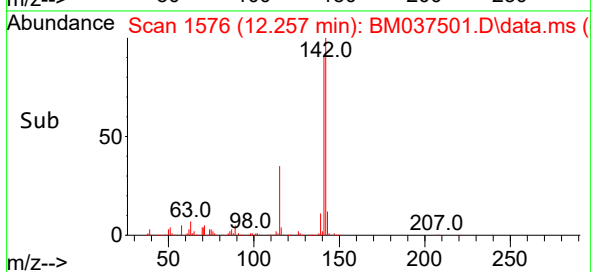
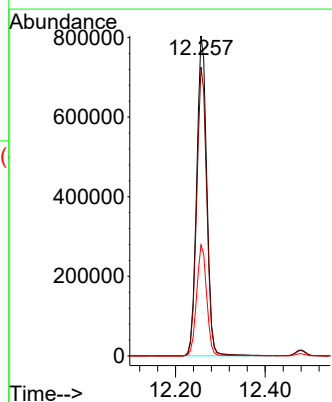
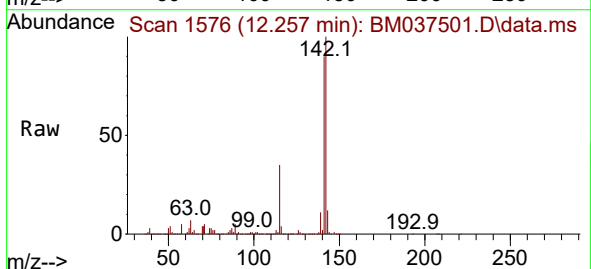
Instrument :
 BNA_M
 ClientSampleId :
 PT-BNA-SOIL

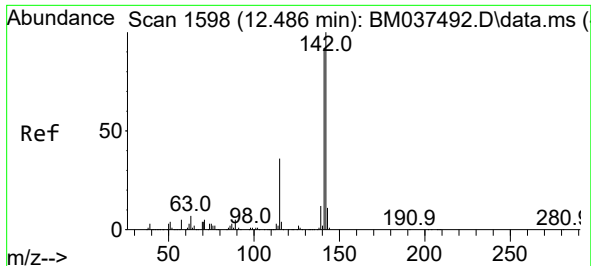
Tgt Ion:107 Resp: 1388440
 Ion Ratio Lower Upper
 107 100
 144 27.2 22.1 33.1
 142 85.1 68.2 102.4



#37
 2-Methylnaphthalene
 Concen: 35.030 ng
 RT: 12.257 min Scan# 1576
 Delta R.T. -0.012 min
 Lab File: BM037501.D
 Acq: 14 Nov 2022 12:17

Tgt Ion:142 Resp: 1258099
 Ion Ratio Lower Upper
 142 100
 141 90.3 71.5 107.3
 115 34.7 26.9 40.3

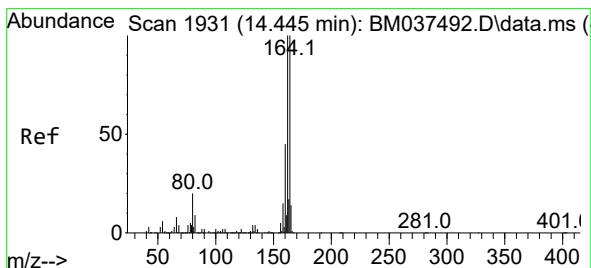
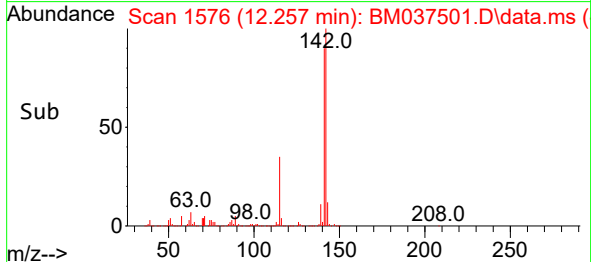
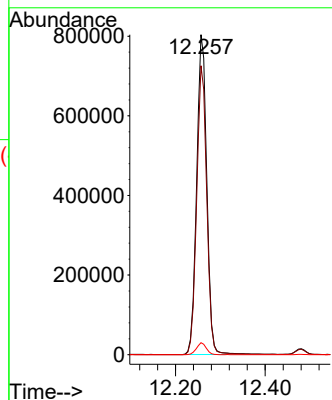
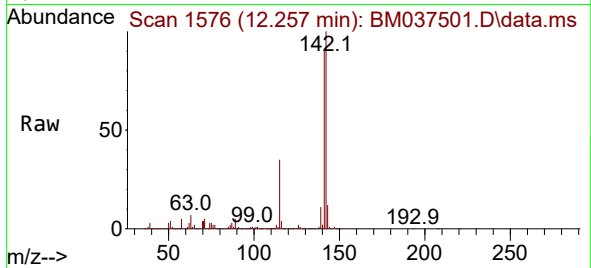




#38
1-Methylnaphthalene
Concen: 35.241 ng
RT: 12.257 min Scan# 1598
Delta R.T. -0.229 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

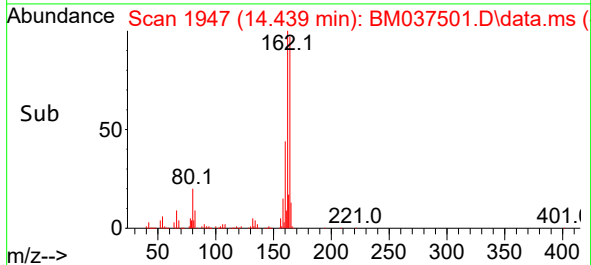
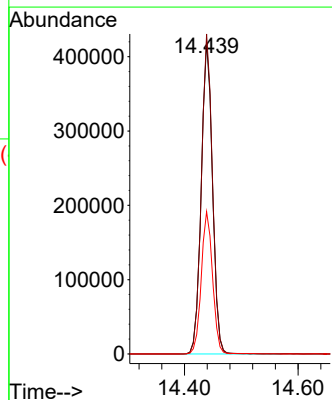
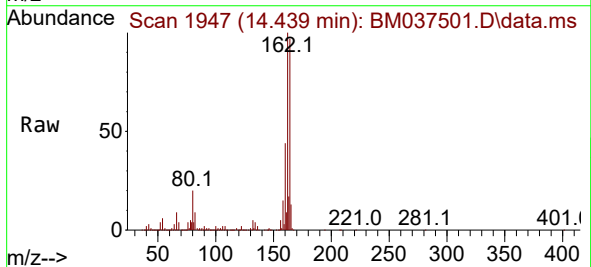
Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

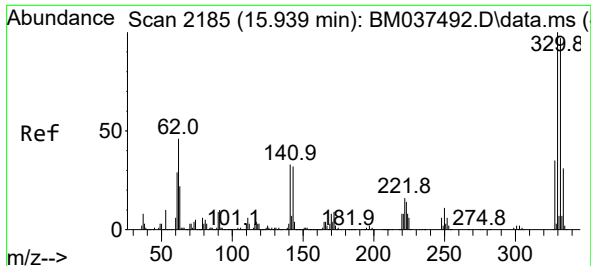
Tgt Ion:142 Resp: 1258099
Ion Ratio Lower Upper
142 100
141 90.3 73.5 110.3
116 3.7 2.9 4.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.439 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

Tgt Ion:164 Resp: 576914
Ion Ratio Lower Upper
164 100
162 102.7 79.9 119.9
160 45.6 35.7 53.5

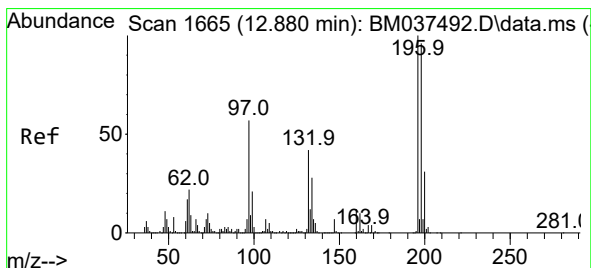
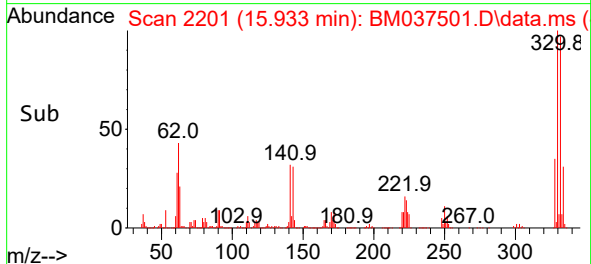
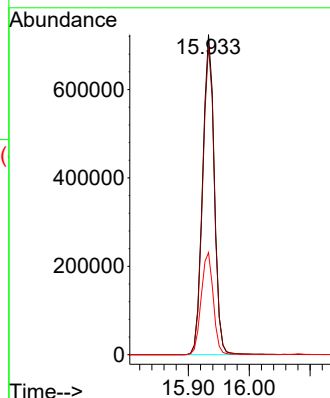
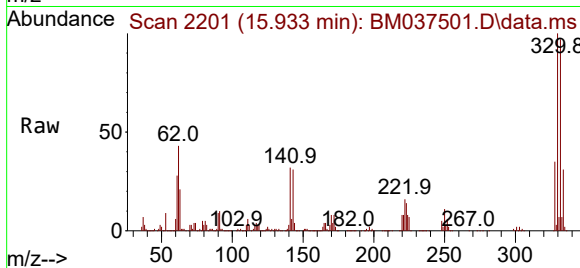




#42
2,4,6-Tribromophenol
Concen: 120.901 ng
RT: 15.933 min Scan# 2185
Delta R.T. -0.006 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

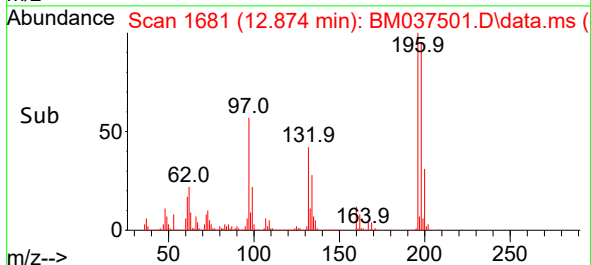
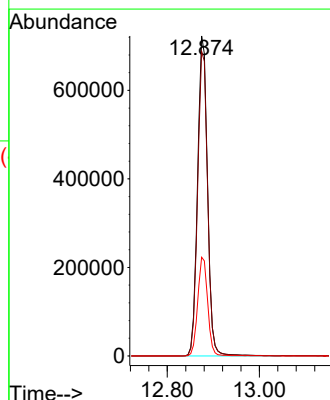
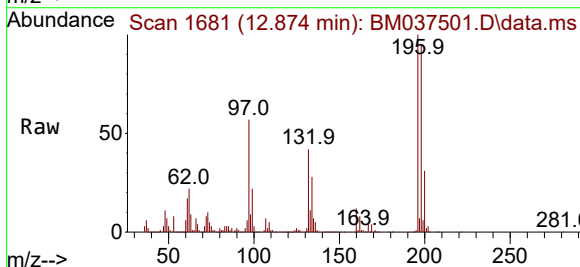
Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

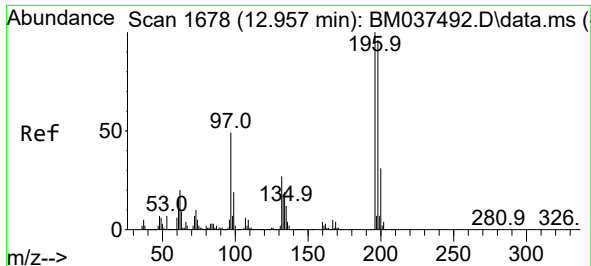
Tgt Ion:330 Resp: 964433
Ion Ratio Lower Upper
330 100
332 96.5 77.7 116.5
141 32.9 26.2 39.2



#43
2,4,6-Trichlorophenol
Concen: 89.171 ng
RT: 12.874 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

Tgt Ion:196 Resp: 1083805
Ion Ratio Lower Upper
196 100
198 95.2 77.0 115.6
200 30.8 24.5 36.7

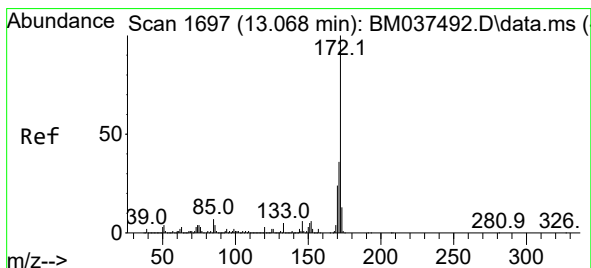
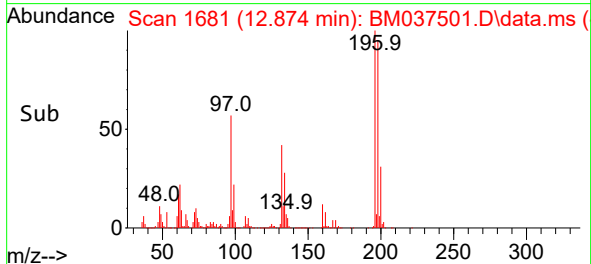
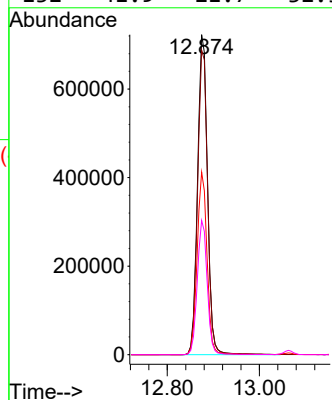
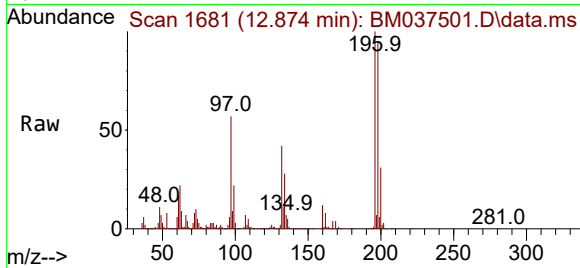




#44
2,4,5-Trichlorophenol
Concen: 80.535 ng
RT: 12.874 min Scan# 1
Delta R.T. -0.082 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

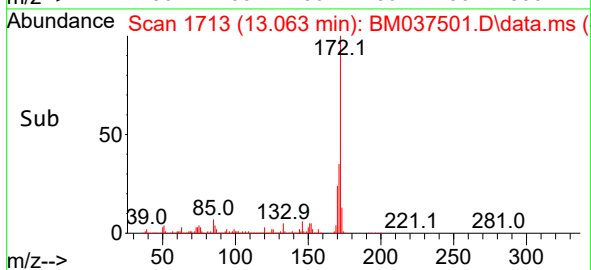
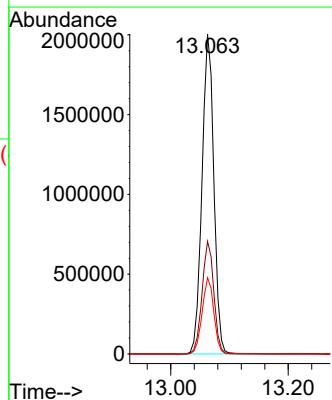
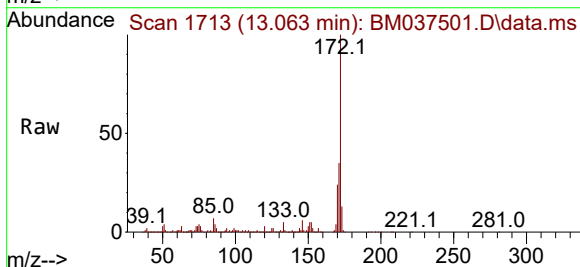
Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

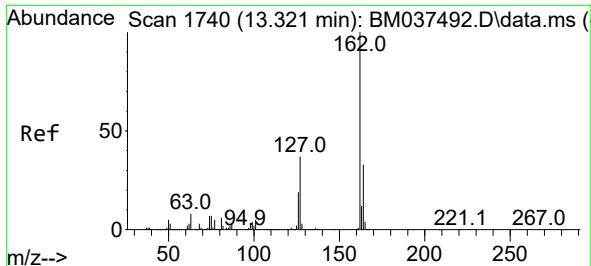
Tgt Ion:196 Resp: 1083805
Ion Ratio Lower Upper
196 100
198 95.2 76.4 114.6
97 57.0 39.3 58.9
132 41.9 21.7 32.5#



#45
2-Fluorobiphenyl
Concen: 67.586 ng
RT: 13.063 min Scan# 1713
Delta R.T. -0.005 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

Tgt Ion:172 Resp: 2805577
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.8 18.9 28.3

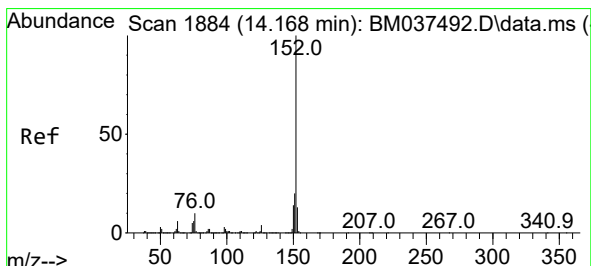
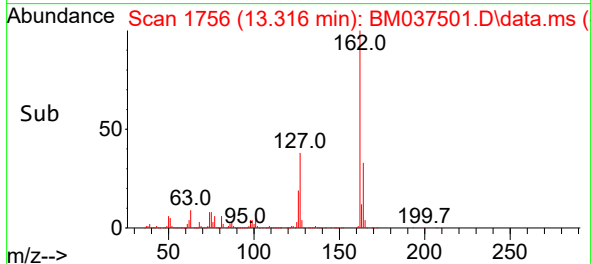
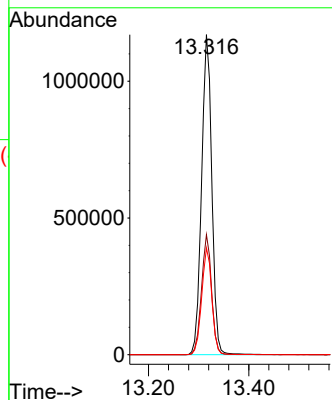
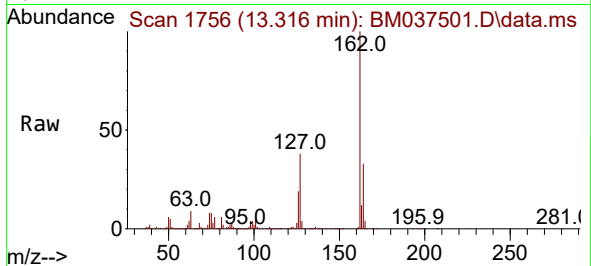




#47
2-Chloronaphthalene
Concen: 46.139 ng
RT: 13.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

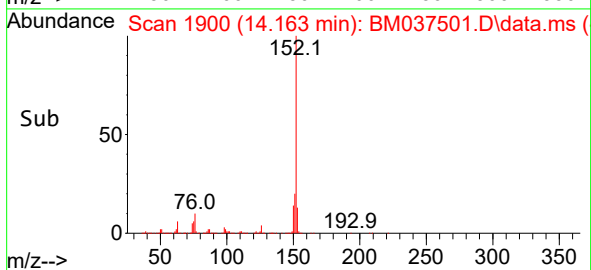
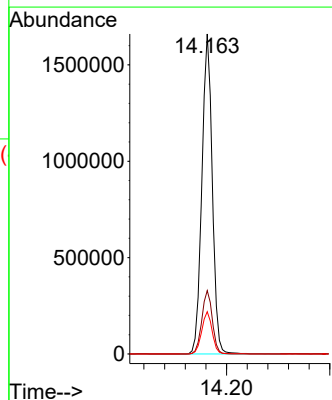
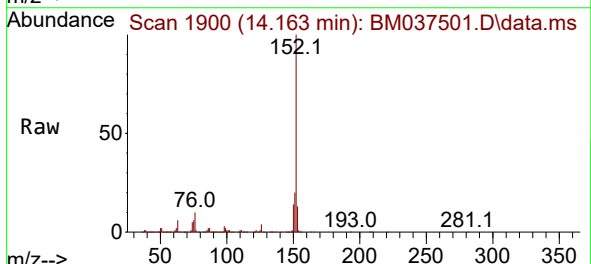
Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

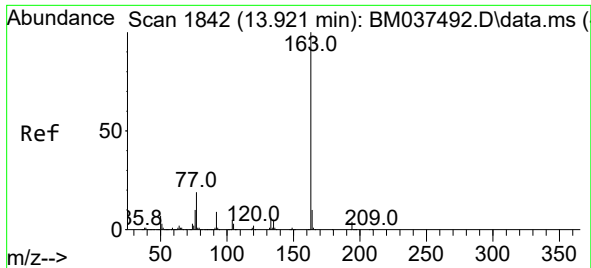
Tgt Ion:162 Resp: 1657672
Ion Ratio Lower Upper
162 100
127 37.5 29.8 44.8
164 33.3 26.3 39.5



#49
Acenaphthylene
Concen: 40.350 ng
RT: 14.163 min Scan# 1900
Delta R.T. -0.006 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

Tgt Ion:152 Resp: 2321959
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 13.2 10.6 16.0

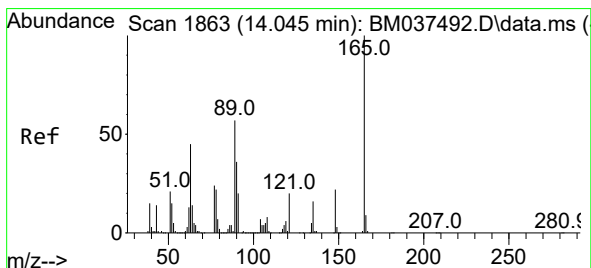
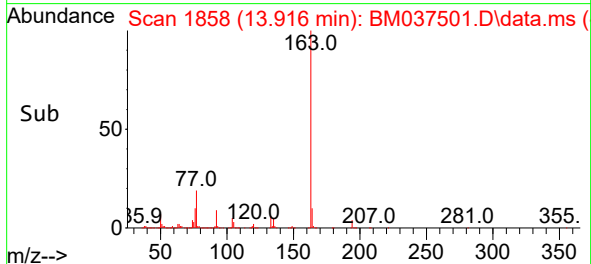
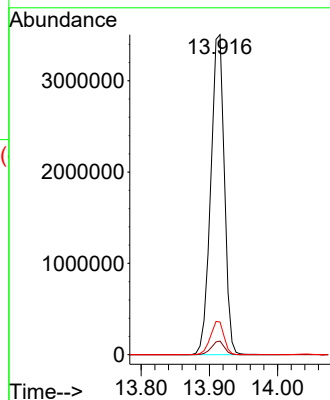
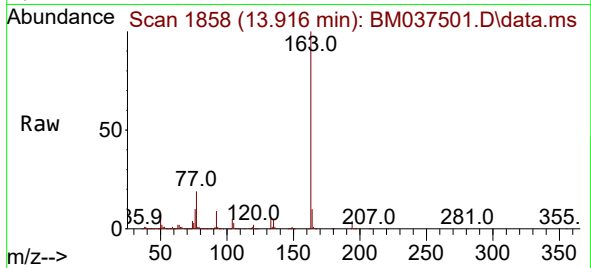




#50
Dimethylphthalate
Concen: 105.642 ng
RT: 13.916 min Scan# 1842
Delta R.T. -0.005 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

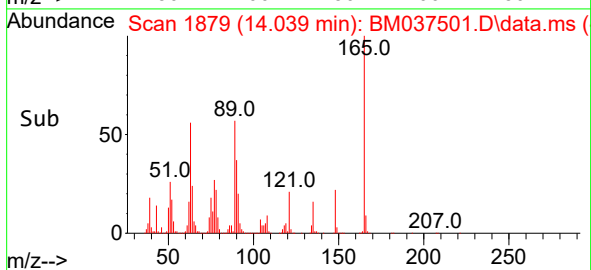
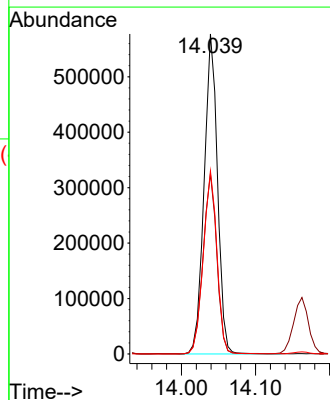
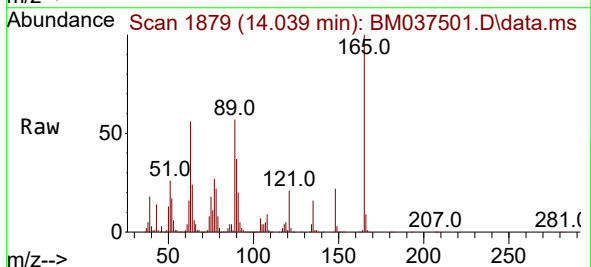
Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

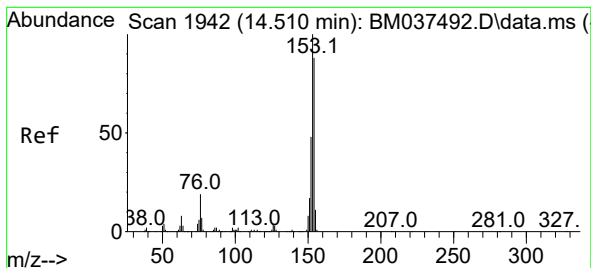
Tgt Ion:163 Resp: 4878060
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.2 7.9 11.9



#51
2,6-Dinitrotoluene
Concen: 72.948 ng
RT: 14.039 min Scan# 1879
Delta R.T. -0.006 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

Tgt Ion:165 Resp: 723769
Ion Ratio Lower Upper
165 100
63 56.3 46.2 69.2
89 57.2 45.4 68.2





#52

Acenaphthene

Concen: 44.996 ng

RT: 14.504 min Scan# 1958

Delta R.T. -0.006 min

Lab File: BM037501.D

Acq: 14 Nov 2022 12:17

Instrument :

BNA_M

ClientSampleId :

PT-BNA-SOIL

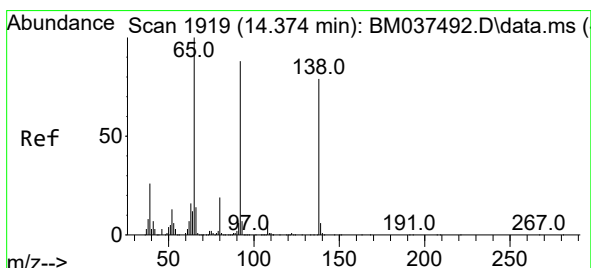
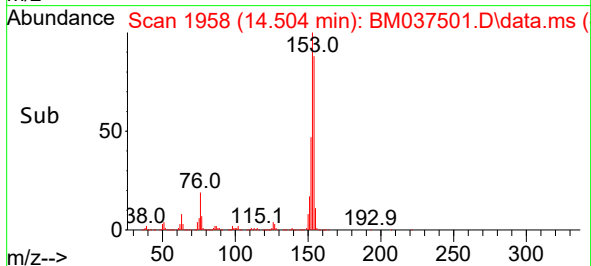
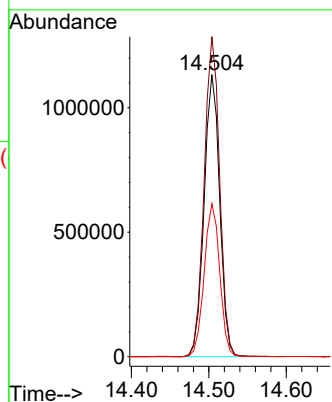
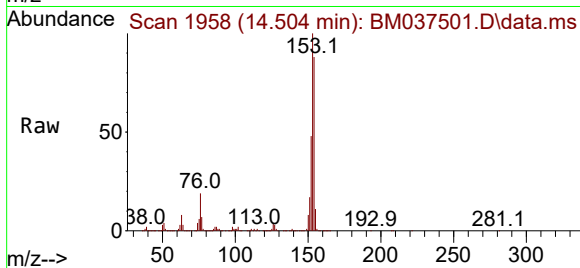
Tgt Ion:154 Resp: 1580536

Ion Ratio Lower Upper

154 100

153 113.5 90.8 136.2

152 54.2 43.3 64.9



#53

3-Nitroaniline

Concen: 3.093 ng

RT: 14.504 min Scan# 1958

Delta R.T. 0.130 min

Lab File: BM037501.D

Acq: 14 Nov 2022 12:17

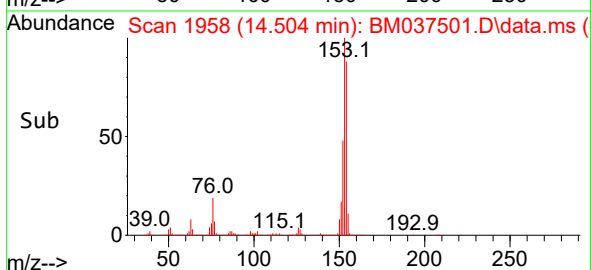
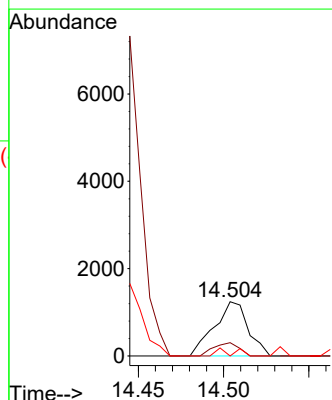
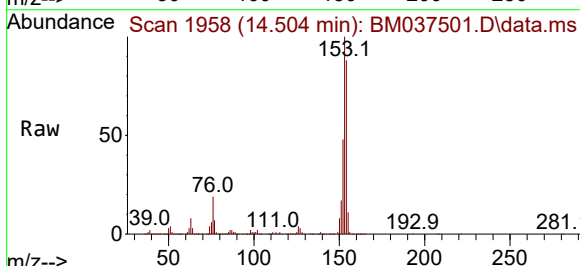
Tgt Ion:138 Resp: 1713

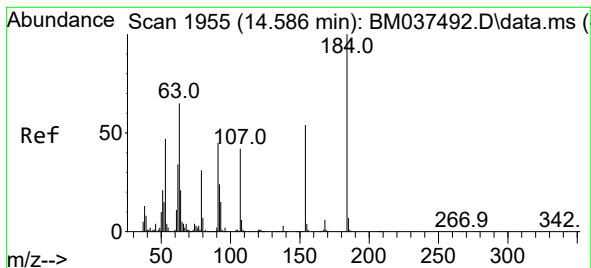
Ion Ratio Lower Upper

138 100

108 24.4 7.2 10.8#

92 0.0 89.0 133.6#

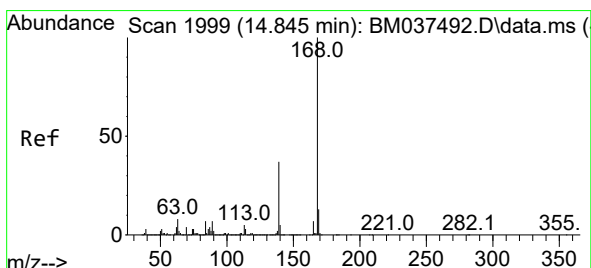
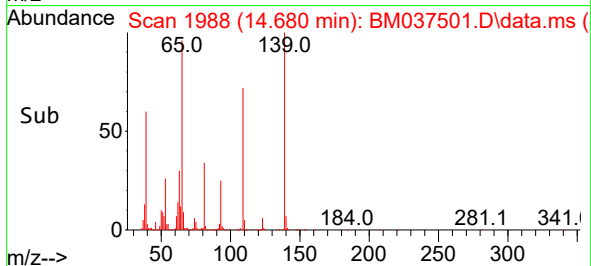
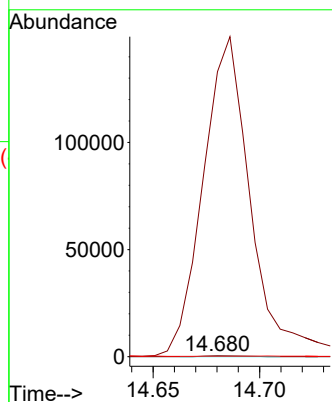
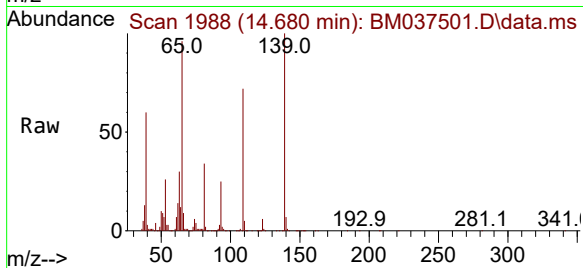




#54
2,4-Dinitrophenol
Concen: 6.446 ng
RT: 14.680 min Scan# 1955
Delta R.T. 0.094 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

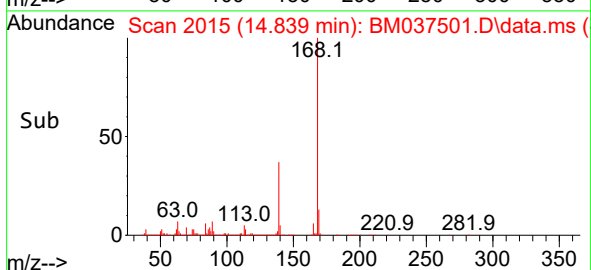
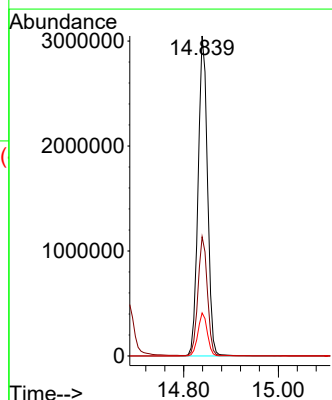
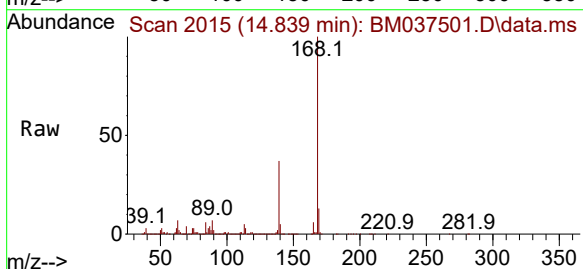
Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

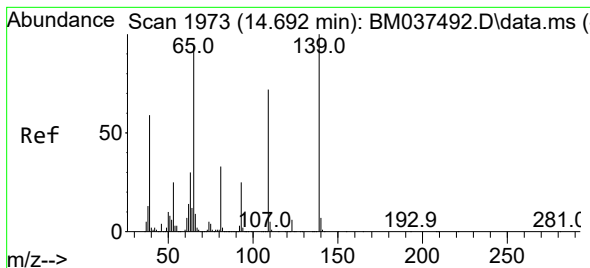
Tgt Ion:184 Resp: 466
Ion Ratio Lower Upper
184 100
63 32691.9 52.2 78.4#
154 49.6 48.2 72.2



#55
Dibenzofuran
Concen: 74.688 ng
RT: 14.839 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

Tgt Ion:168 Resp: 4195161
Ion Ratio Lower Upper
168 100
139 37.3 29.8 44.8
169 13.5 10.8 16.2

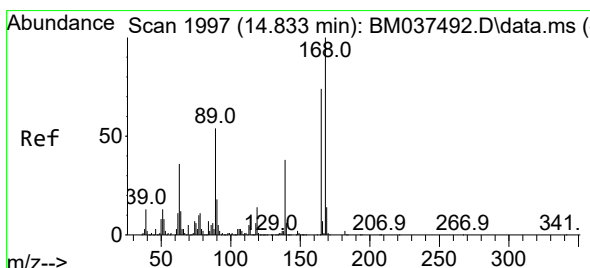
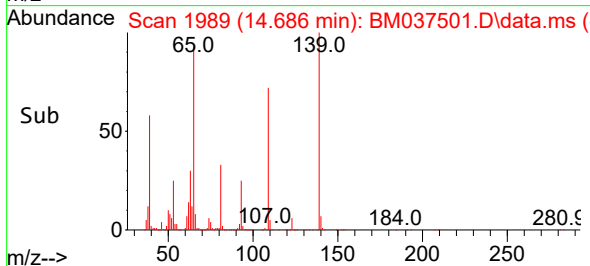
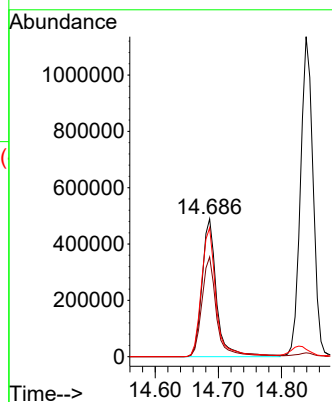
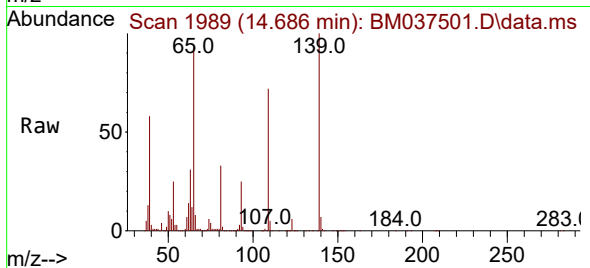




#56
4-Nitrophenol
Concen: 80.183 ng
RT: 14.686 min Scan# 1973
Delta R.T. -0.006 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

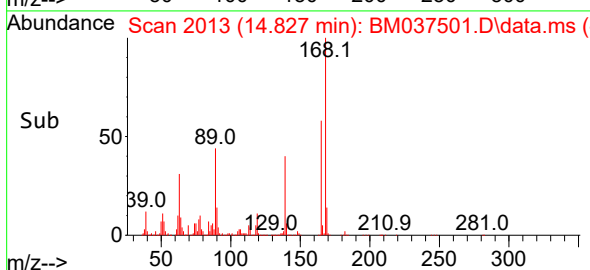
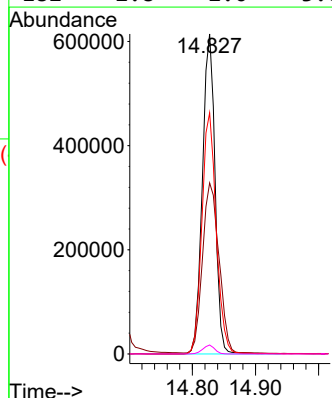
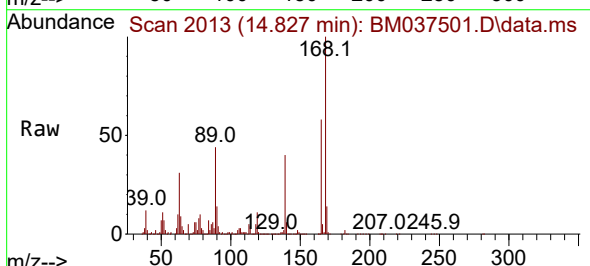
Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

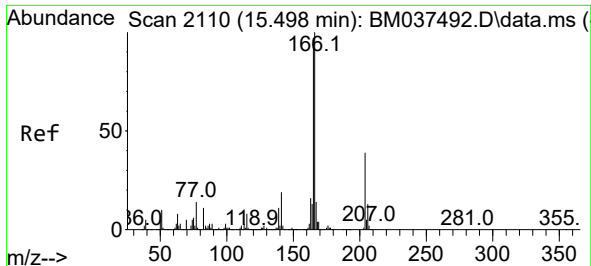
Tgt Ion:139 Resp: 780257
Ion Ratio Lower Upper
139 100
109 72.4 52.1 92.1
65 93.4 74.4 114.4



#57
2,4-Dinitrotoluene
Concen: 62.026 ng
RT: 14.827 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

Tgt Ion:165 Resp: 851950
Ion Ratio Lower Upper
165 100
63 53.4 39.5 59.3
89 75.4 58.4 87.6
182 2.8 2.0 3.0

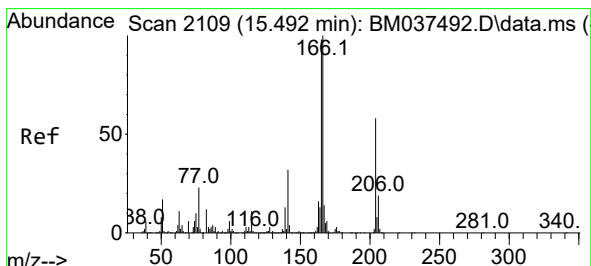
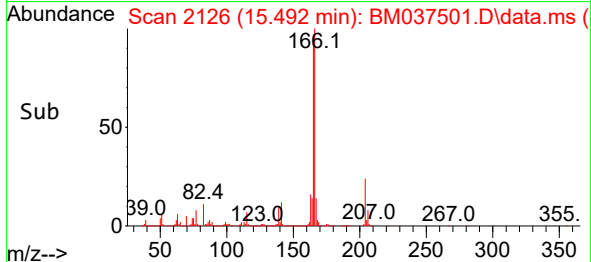
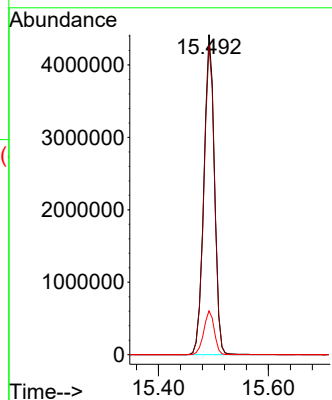
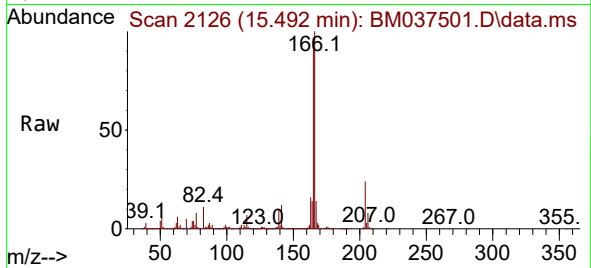




#58
Fluorene
Concen: 123.905 ng
RT: 15.492 min Scan# 2110
Delta R.T. -0.006 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

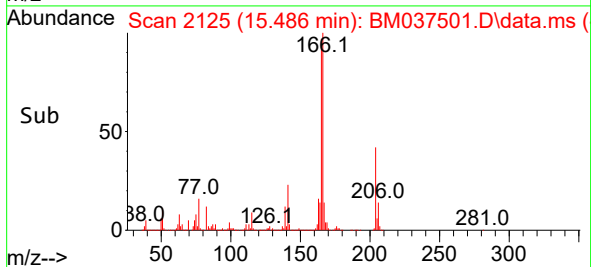
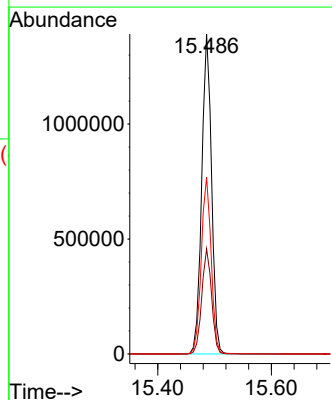
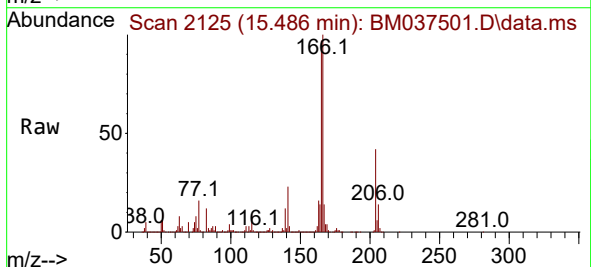
Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

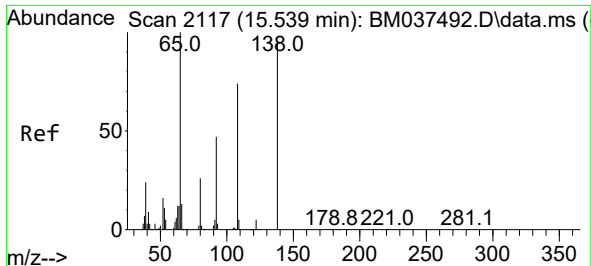
Tgt Ion:166 Resp: 5901907
Ion Ratio Lower Upper
166 100
165 96.7 77.8 116.8
167 13.7 10.8 16.2



#61
4-Chlorophenyl-phenylether
Concen: 75.236 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

Tgt Ion:204 Resp: 1674591
Ion Ratio Lower Upper
204 100
206 32.8 25.8 38.8
141 55.3 43.6 65.4

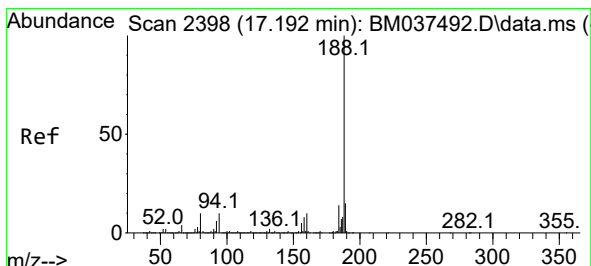
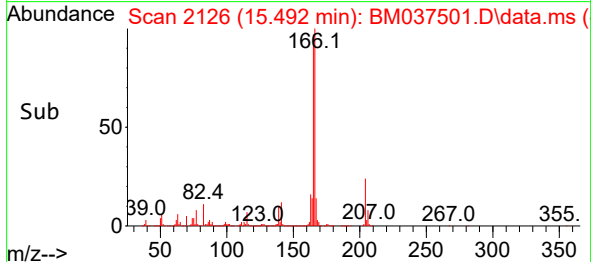
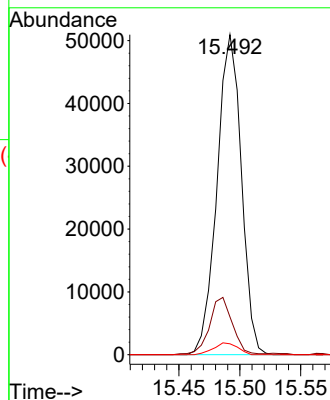
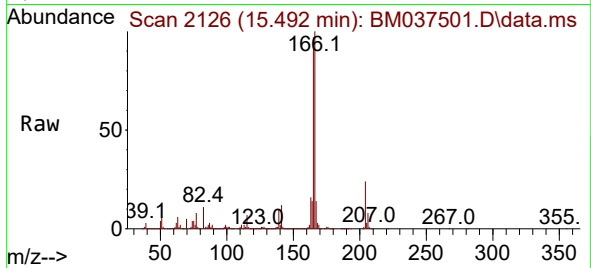




#62
4-Nitroaniline
Concen: 9.543 ng
RT: 15.492 min Scan# 2117
Delta R.T. -0.047 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

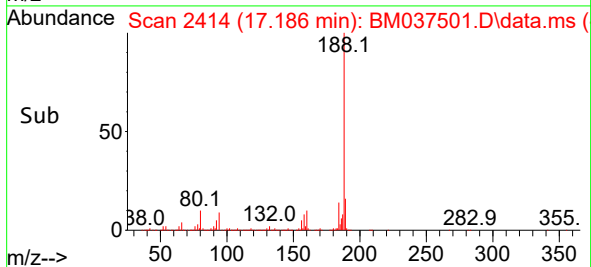
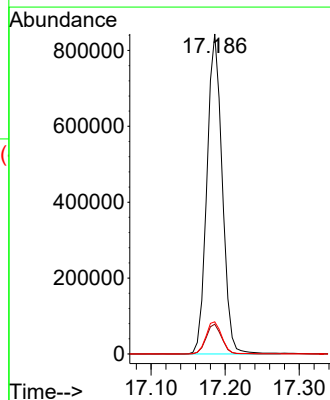
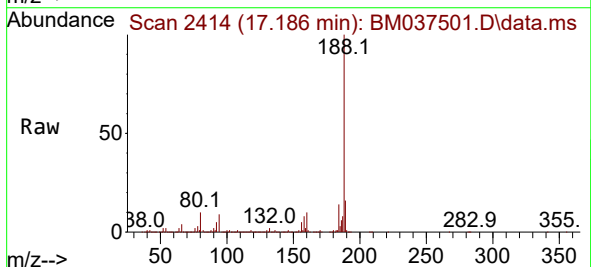
Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

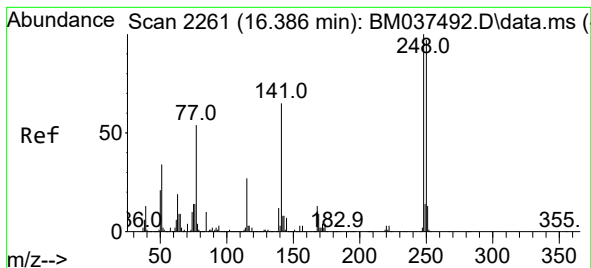
Tgt Ion:138 Resp: 70976
Ion Ratio Lower Upper
138 100
92 11.8 28.9 68.9#
108 3.4 56.8 96.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2414
Delta R.T. -0.006 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

Tgt Ion:188 Resp: 1211186
Ion Ratio Lower Upper
188 100
94 9.3 7.8 11.6
80 10.0 8.2 12.4

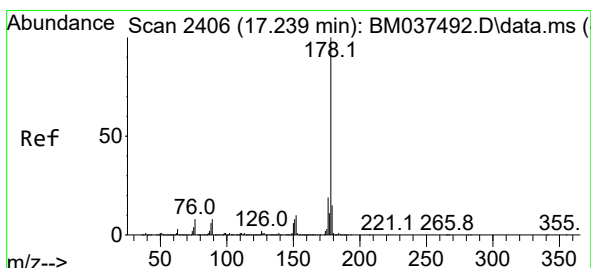
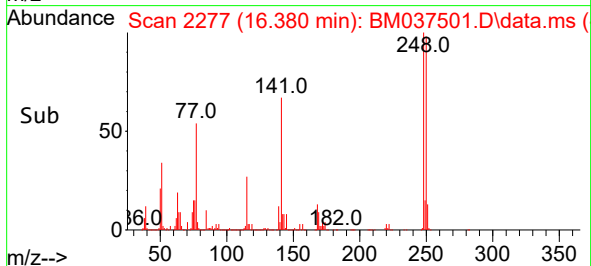
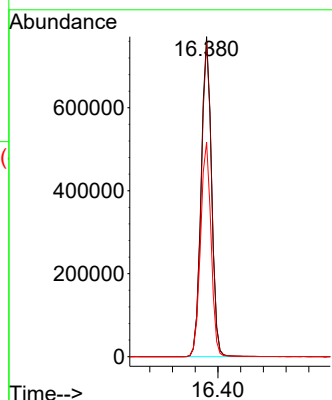
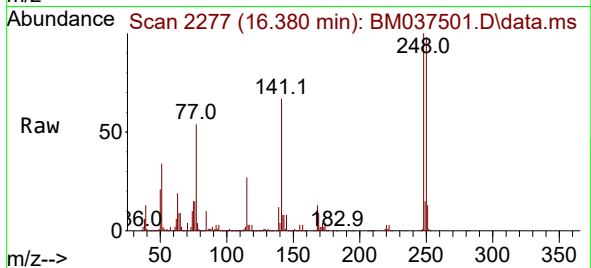




#67
4-Bromophenyl-phenylether
Concen: 72.284 ng
RT: 16.380 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

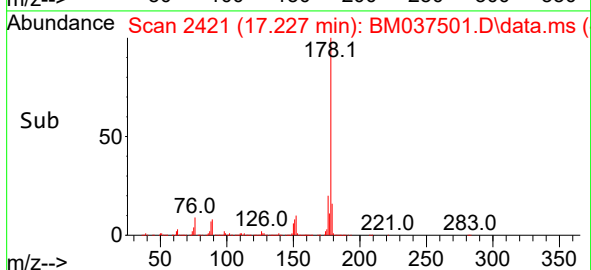
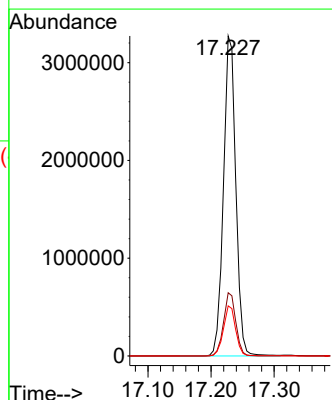
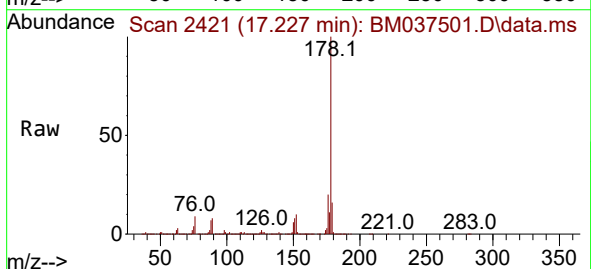
Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

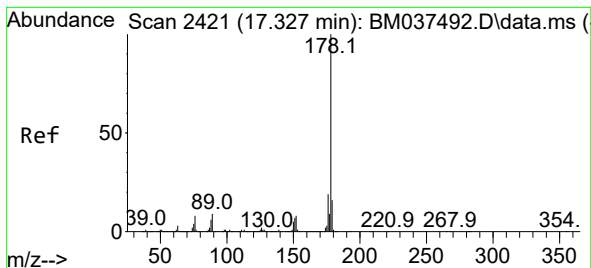
Tgt Ion:248 Resp: 979902
Ion Ratio Lower Upper
248 100
250 98.4 77.8 116.8
141 67.0 52.2 78.2



#71
Phenanthrene
Concen: 59.882 ng
RT: 17.227 min Scan# 2421
Delta R.T. -0.012 min
Lab File: BM037501.D
Acq: 14 Nov 2022 12:17

Tgt Ion:178 Resp: 4452271
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 15.6 12.2 18.4





#72

Anthracene

Concen: 62.446 ng

RT: 17.227 min Scan# 24

Delta R.T. -0.100 min

Lab File: BM037501.D

Acq: 14 Nov 2022 12:17

Instrument :

BNA_M

ClientSampleId :

PT-BNA-SOIL

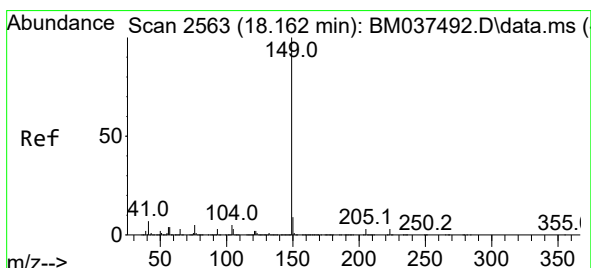
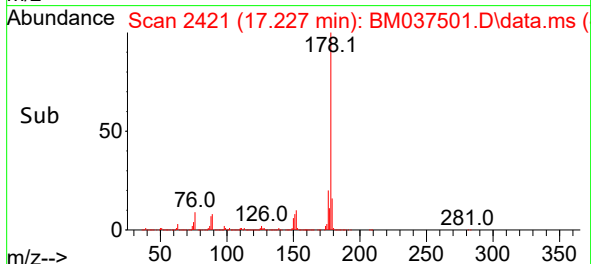
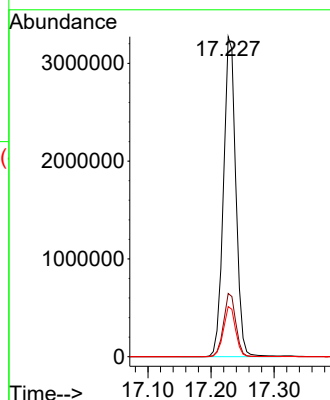
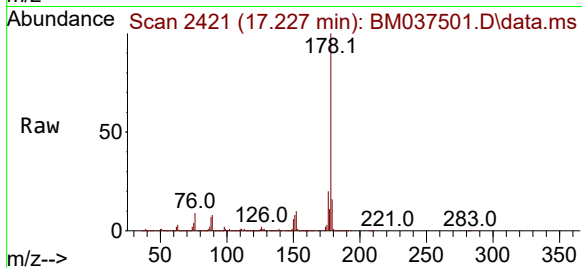
Tgt Ion:178 Resp: 4452271

Ion Ratio Lower Upper

178 100

176 19.7 15.0 22.6

179 15.6 12.4 18.6



#74

Di-n-butylphthalate

Concen: 86.806 ng

RT: 18.162 min Scan# 2580

Delta R.T. 0.000 min

Lab File: BM037501.D

Acq: 14 Nov 2022 12:17

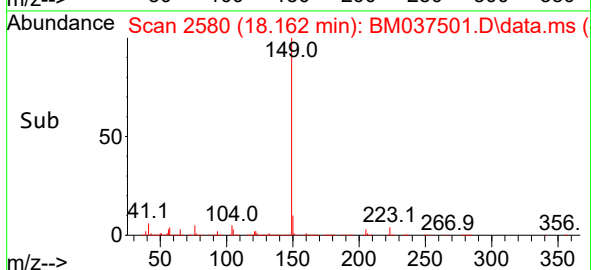
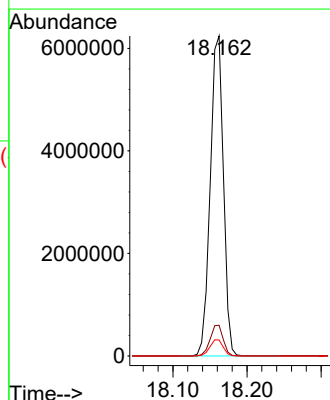
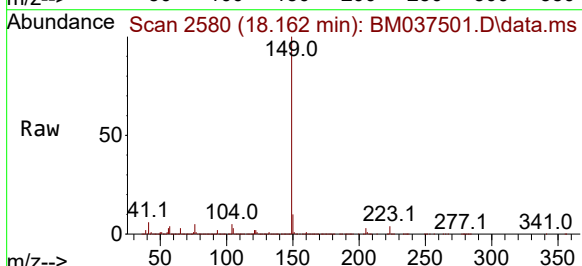
Tgt Ion:149 Resp: 7701427

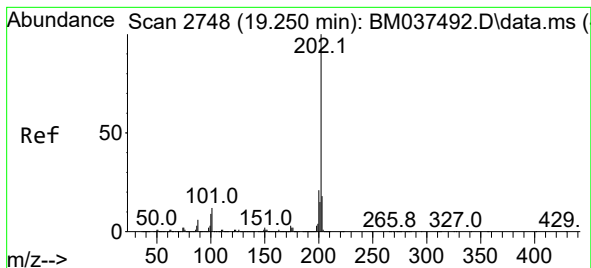
Ion Ratio Lower Upper

149 100

150 9.6 7.4 11.2

104 5.0 4.1 6.1





#75

Fluoranthene

Concen: 65.357 ng

RT: 19.251 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM037501.D

Acq: 14 Nov 2022 12:17

Instrument :

BNA_M

ClientSampleId :

PT-BNA-SOIL

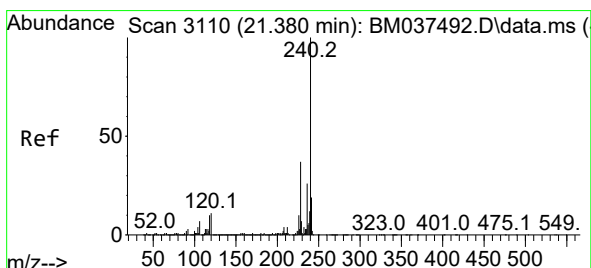
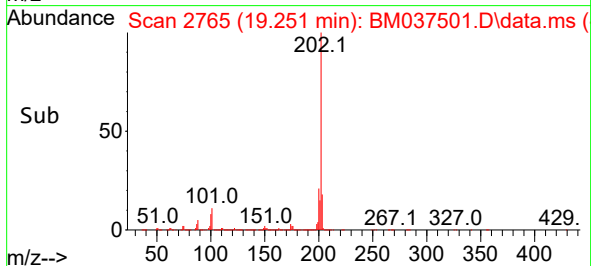
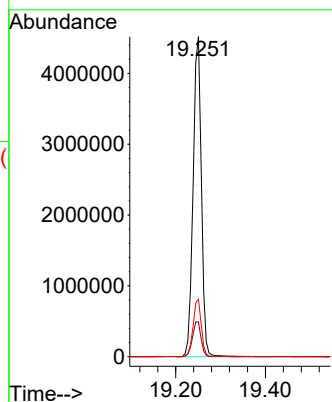
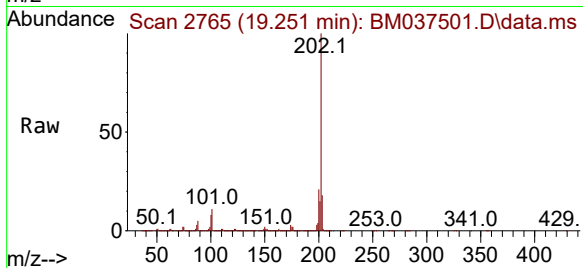
Tgt Ion:202 Resp: 5792112

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.8

203 18.0 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.374 min Scan# 3126

Delta R.T. -0.006 min

Lab File: BM037501.D

Acq: 14 Nov 2022 12:17

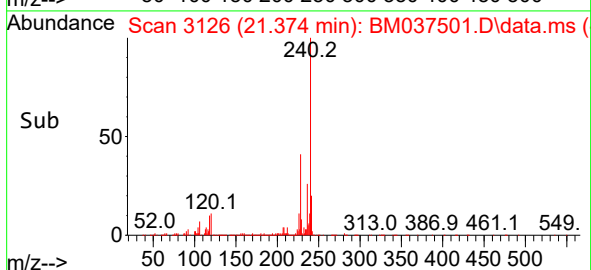
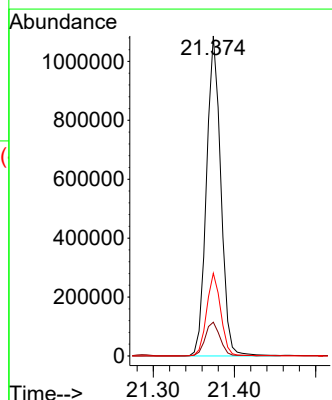
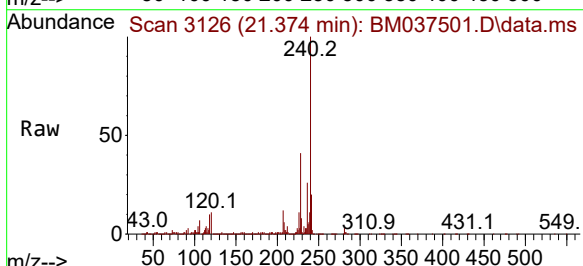
Tgt Ion:240 Resp: 1329132

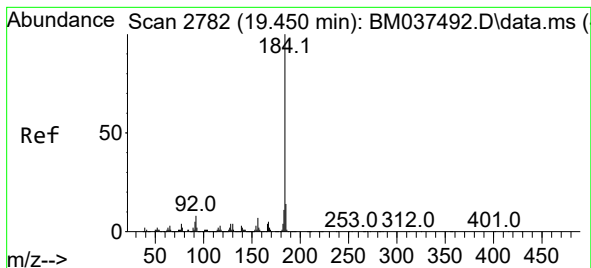
Ion Ratio Lower Upper

240 100

120 10.5 8.6 13.0

236 25.8 20.8 31.2





#77

Benzidine

Concen: 2.439 ng

RT: 19.603 min Scan# 21

Delta R.T. 0.153 min

Lab File: BM037501.D

Acq: 14 Nov 2022 12:17

Instrument :

BNA_M

ClientSampleId :

PT-BNA-SOIL

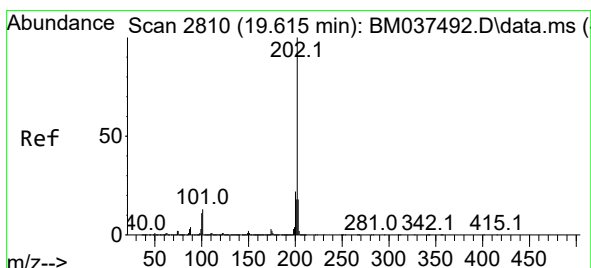
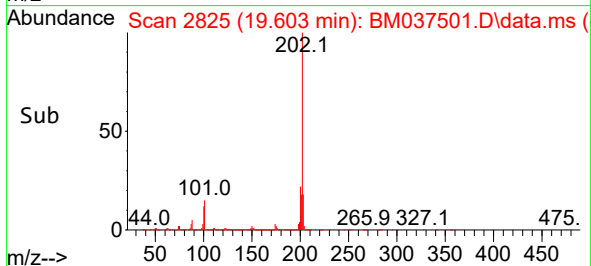
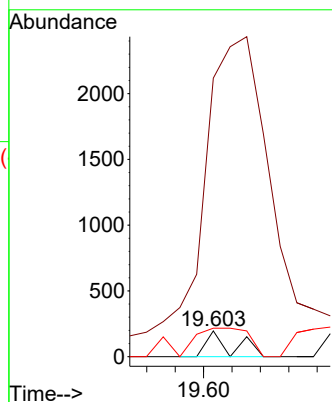
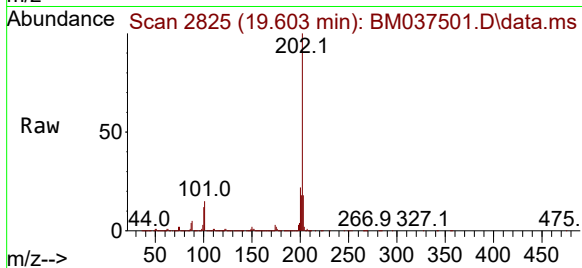
Tgt Ion:184 Resp: 123

Ion Ratio Lower Upper

184 100

185 1080.6 11.1 16.7#

183 110.2 9.0 13.6#



#78

Pyrene

Concen: 96.066 ng

RT: 19.615 min Scan# 2827

Delta R.T. 0.000 min

Lab File: BM037501.D

Acq: 14 Nov 2022 12:17

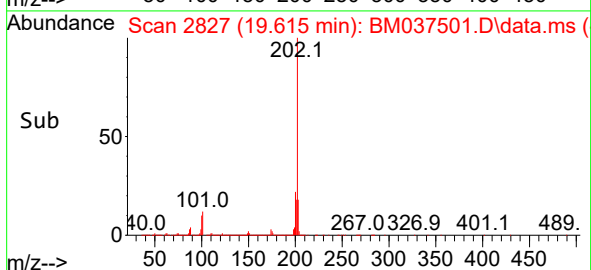
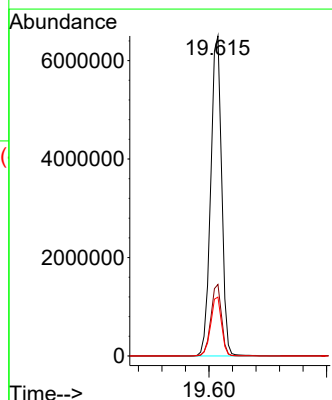
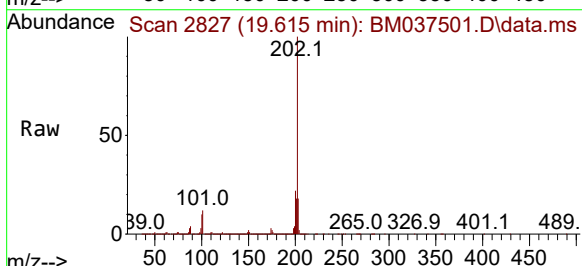
Tgt Ion:202 Resp: 8373635

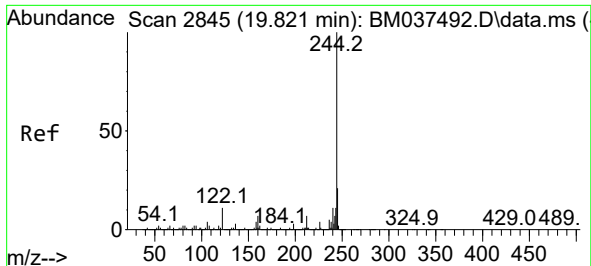
Ion Ratio Lower Upper

202 100

200 22.4 17.2 25.8

203 18.4 14.3 21.5

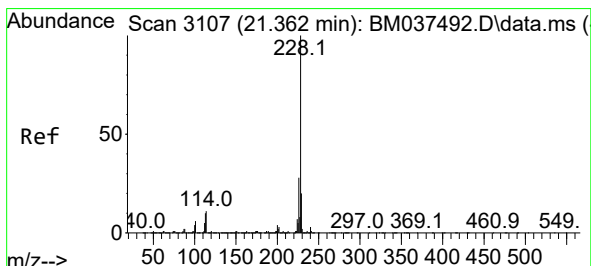
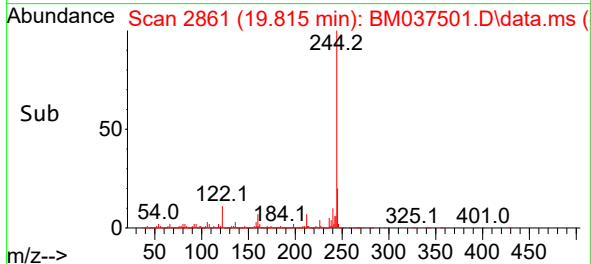
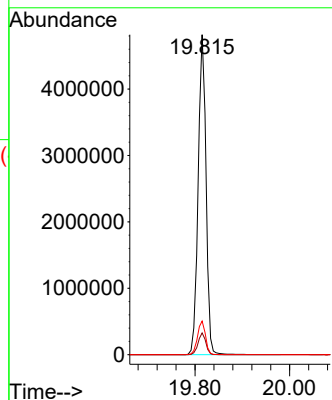
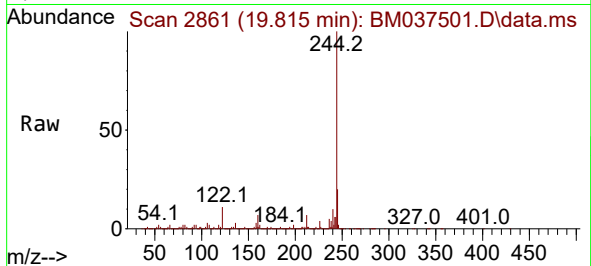




#79
 Terphenyl-d14
 Concen: 83.629 ng
 RT: 19.815 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM037501.D
 Acq: 14 Nov 2022 12:17

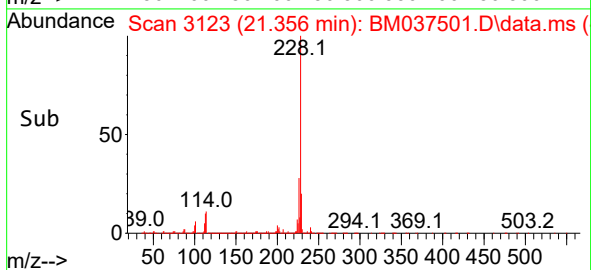
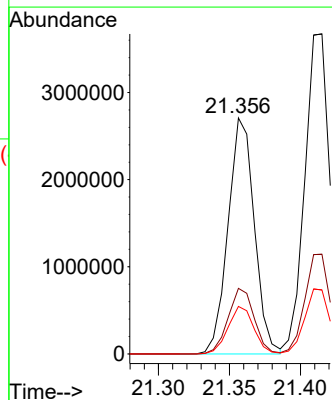
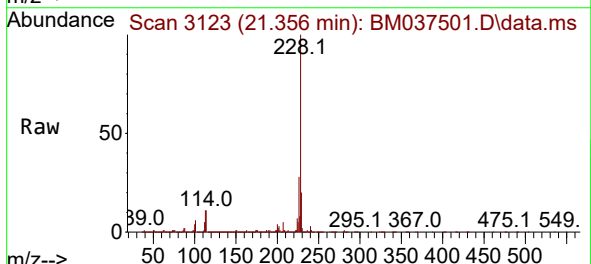
Instrument :
 BNA_M
 ClientSampleId :
 PT-BNA-SOIL

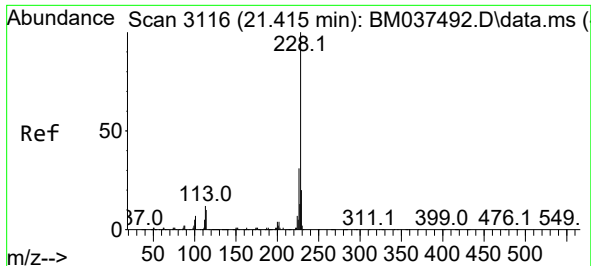
Tgt Ion:244 Resp: 5565617
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 10.5 8.7 13.1



#81
 Benzo(a)anthracene
 Concen: 37.450 ng
 RT: 21.356 min Scan# 3123
 Delta R.T. -0.006 min
 Lab File: BM037501.D
 Acq: 14 Nov 2022 12:17

Tgt Ion:228 Resp: 3489213
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.4 33.6
 229 20.1 16.2 24.2





#83

Chrysene

Concen: 51.087 ng

RT: 21.415 min Scan# 3116

Delta R.T. 0.000 min

Lab File: BM037501.D

Acq: 14 Nov 2022 12:17

Instrument :

BNA_M

ClientSampleId :

PT-BNA-SOIL

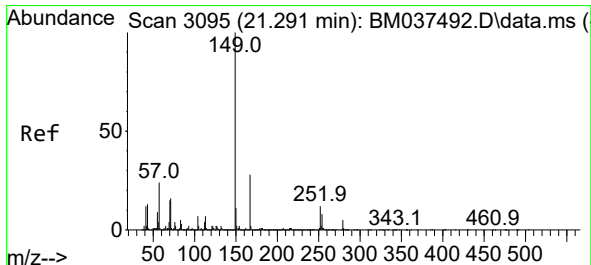
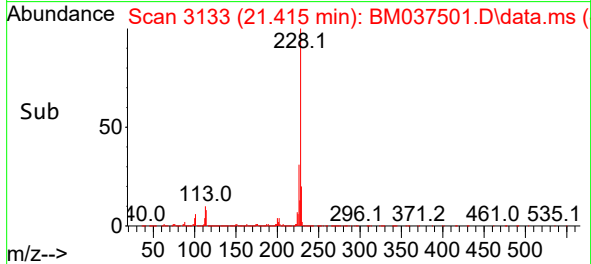
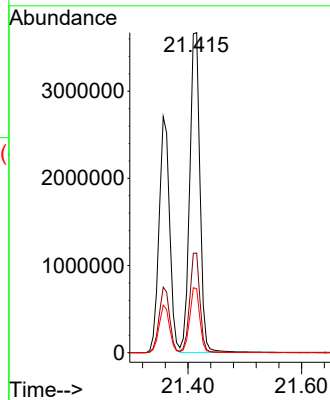
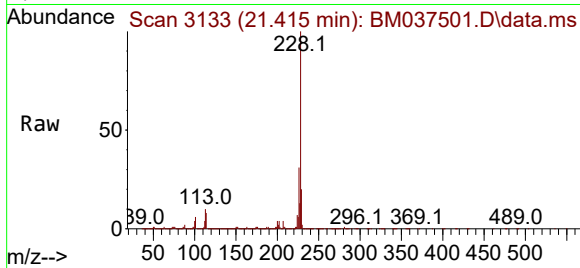
Tgt Ion:228 Resp: 4595233

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.4

229 20.0 16.2 24.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 143.407 ng

RT: 21.286 min Scan# 3111

Delta R.T. -0.006 min

Lab File: BM037501.D

Acq: 14 Nov 2022 12:17

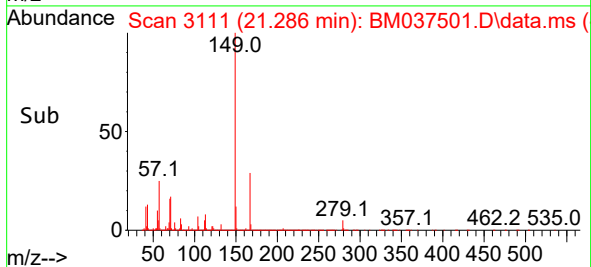
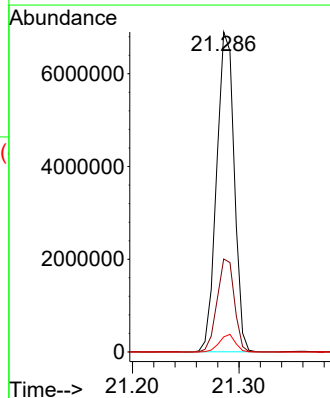
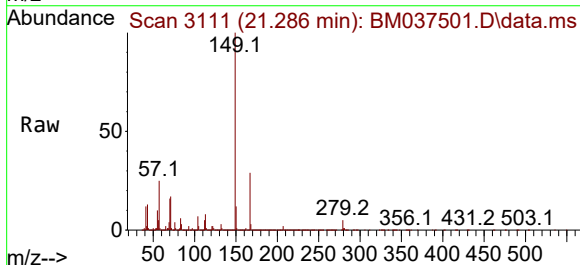
Tgt Ion:149 Resp: 7917159

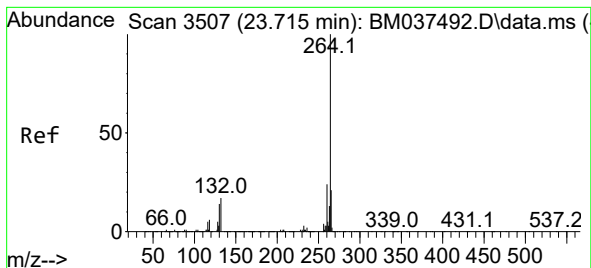
Ion Ratio Lower Upper

149 100

167 29.1 22.3 33.5

279 4.7 3.8 5.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.703 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM037501.D

Acq: 14 Nov 2022 12:17

Instrument :

BNA_M

ClientSampleId :

PT-BNA-SOIL

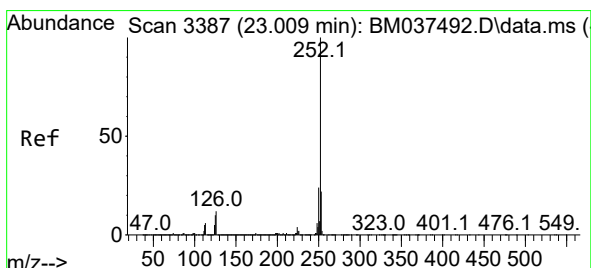
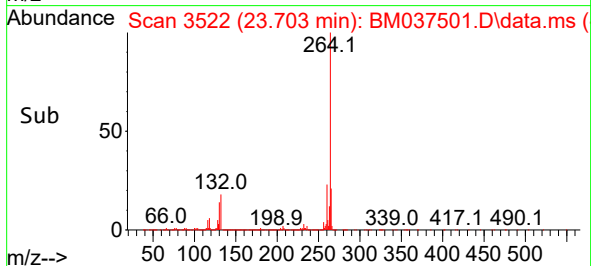
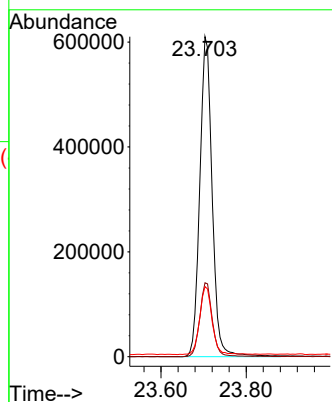
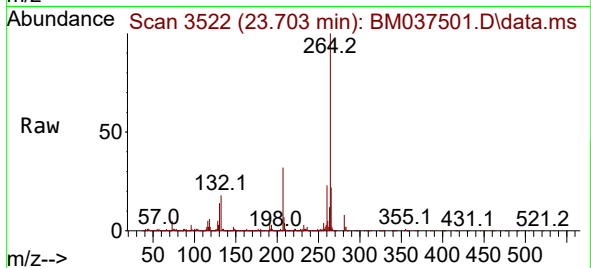
Tgt Ion:264 Resp: 1231994

Ion Ratio Lower Upper

264 100

260 23.1 19.1 28.7

265 21.9 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 58.059 ng

RT: 23.003 min Scan# 3403

Delta R.T. -0.006 min

Lab File: BM037501.D

Acq: 14 Nov 2022 12:17

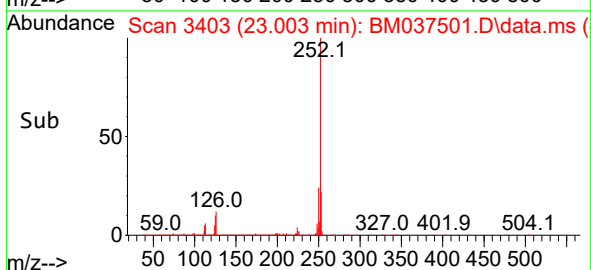
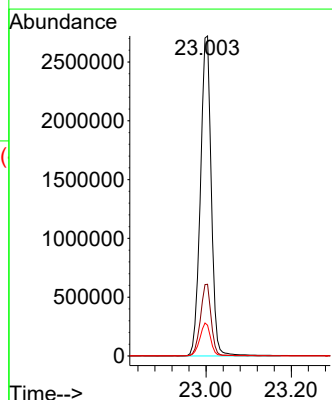
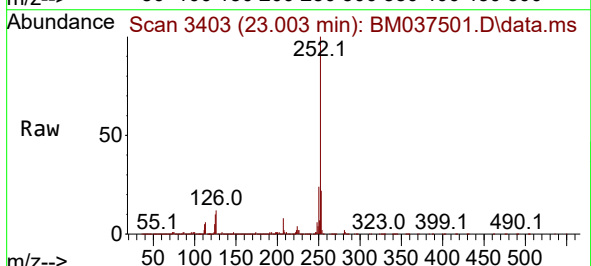
Tgt Ion:252 Resp: 4796147

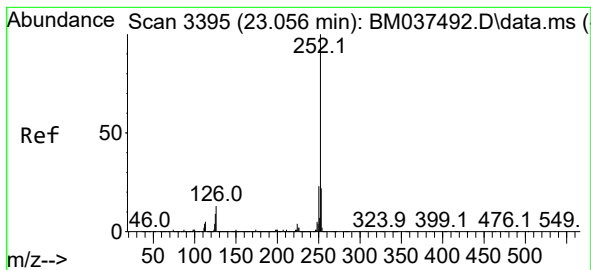
Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

125 9.6 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 57.244 ng

RT: 23.003 min Scan# 34

Delta R.T. -0.053 min

Lab File: BM037501.D

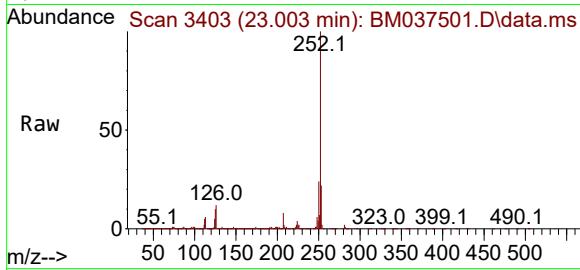
Acq: 14 Nov 2022 12:17

Instrument :

BNA_M

ClientSampleId :

PT-BNA-SOIL



Tgt Ion:252 Resp: 4796147

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

125 9.6 7.7 11.5

