

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP053024\
 Data File : BP020483.D
 Acq On : 30 May 2024 12:25
 Operator : MA/JU
 Sample : P2252-11DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PT-BNA-SOILD

Quant Time: May 30 12:55:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 30 03:41:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	252818	20.000	ng	-0.03
21) Naphthalene-d8	10.516	136	920361	20.000	ng	-0.02
39) Acenaphthene-d10	14.375	164	532738	20.000	ng	-0.02
64) Phenanthrene-d10	17.192	188	1037613	20.000	ng	-0.01
76) Chrysene-d12	21.663	240	1026795	20.000	ng	0.00
86) Perylene-d12	25.033	264	1231273	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	321974	22.802	ng	-0.02
7) Phenol-d6	6.905	99	424288	21.307	ng	-0.03
23) Nitrobenzene-d5	8.887	82	256947	15.282	ng	-0.04
42) 2,4,6-Tribromophenol	15.892	330	110850	20.050	ng	-0.02
45) 2-Fluorobiphenyl	12.981	172	612268	17.133	ng	-0.02
79) Terphenyl-d14	19.939	244	958981	15.548	ng	0.00
Target Compounds						
						Qvalue
8) 2-Chlorophenol	7.305	128	764993	48.329	ng	99
12) 1,3-Dichlorobenzene	7.775	146	335275	17.978	ng	99
13) 1,4-Dichlorobenzene	7.775	146	335275	17.688	ng	99
14) 1,2-Dichlorobenzene	8.087	146	427266	23.357	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.269	45	359801	14.327	ng	100
18) Hexachloroethane	8.810	117	51889	7.497	ng	95
24) Nitrobenzene	8.934	77	922030	54.035	ng	99
25) Isophorone	9.446	82	619057	18.950	ng	100
26) 2-Nitrophenol	9.640	139	154819	24.916	ng	98
29) 2,4-Dichlorophenol	10.151	162	423237	31.966	ng	98
30) 1,2,4-Trichlorobenzene	10.381	180	803554	51.122	ng	98
32) Benzoic acid	9.634	122	9929	7.756	ng	# 8
34) Hexachlorobutadiene	10.846	225	231396	23.370	ng	96
36) 4-Chloro-3-methylphenol	11.787	107	564403	36.408	ng	99
37) 2-Methylnaphthalene	12.187	142	203041	6.022	ng	98
38) 1-Methylnaphthalene	12.187	142	203041	6.075	ng	98
43) 2,4,6-Trichlorophenol	12.787	196	236124	25.343	ng	98
44) 2,4,5-Trichlorophenol	12.787	196	236124	21.967	ng	# 92
47) 2-Chloronaphthalene	13.245	162	725388	24.270	ng	100
49) Acenaphthylene	14.092	152	412546	9.302	ng	99
50) Dimethylphthalate	13.828	163	1173535	31.251	ng	100
52) Acenaphthene	14.445	154	193294	6.909	ng	99
54) 2,4-Dinitrophenol	14.492	184	15	4.979	ng	# 1
55) Dibenzofuran	14.787	168	636995	14.374	ng	97
56) 4-Nitrophenol	14.575	139	166580	26.747	ng	96
58) Fluorene	15.445	166	1224404	34.416	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.004	232	55934	6.359	ng	98
60) Diethylphthalate	15.234	149	1379601	36.141	ng	100
65) 4,6-Dinitro-2-methylph...	15.534	198	17	7.656	ng	# 1
67) 4-Bromophenyl-phenylether	16.369	248	262194	24.699	ng	95
70) Pentachlorophenol	16.822	266	76122	10.032	ng	99
71) Phenanthrene	17.328	178	647262	12.690	ng	99
72) Anthracene	17.328	178	647262	12.932	ng	100
73) Carbazole	17.610	167	726494	15.006	ng	99
74) Di-n-butylphthalate	18.222	149	1346152	22.961	ng	99
75) Fluoranthene	19.333	202	579585	9.605	ng	98

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QLast Update : Thu May 30 03:41:03 2024
Response via : Initial Calibration

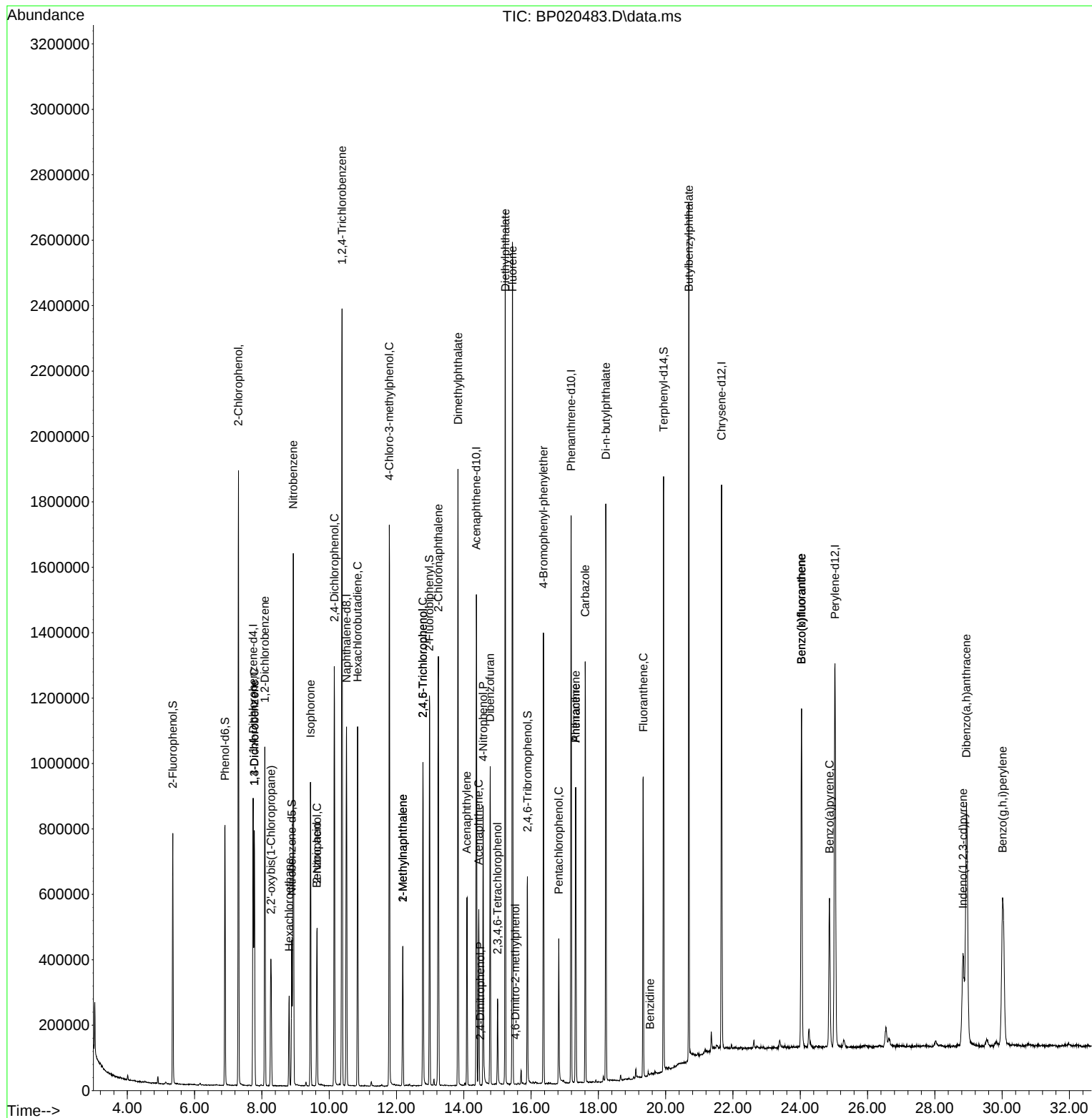
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Benzidine	19.539	184	207	5.976	ng	95
80) Butylbenzylphthalate	20.692	149	847690	28.305	ng	93
87) Indeno(1,2,3-cd)pyrene	28.839	276	504073	6.732	ng #	91
88) Benzo(b)fluoranthene	24.039	252	993574	12.953	ng	99
89) Benzo(k)fluoranthene	24.039	252	993574	13.281	ng	99
90) Benzo(a)pyrene	24.868	252	485155	7.637	ng	100
91) Dibenzo(a,h)anthracene	28.939	278	1268917	20.319	ng	99
92) Benzo(g,h,i)perylene	30.015	276	828555	13.273	ng	99

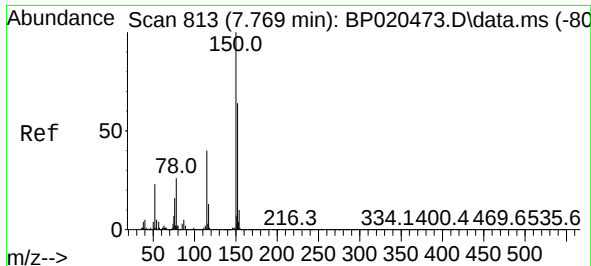
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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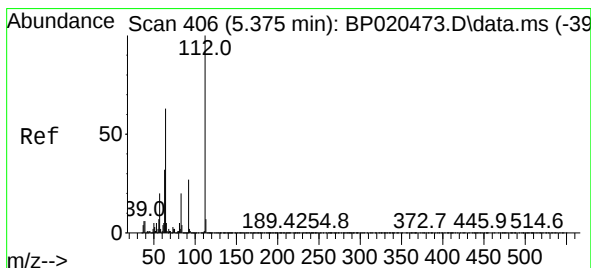
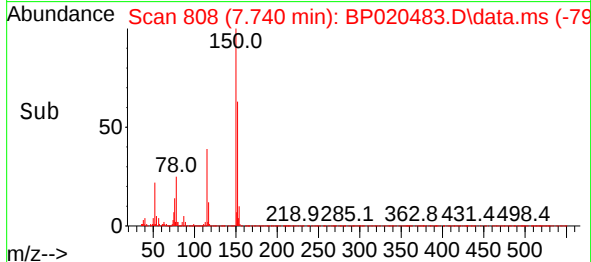
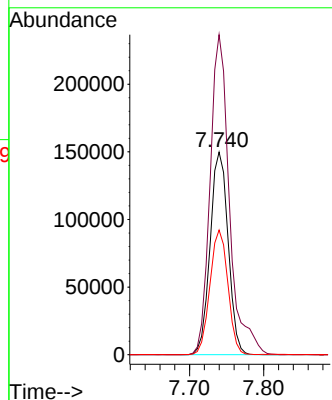
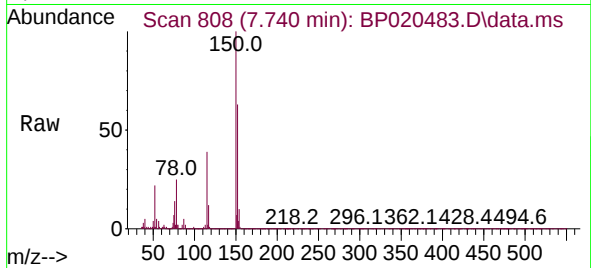




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 80
Delta R.T. -0.029 min
Lab File: BP020483.D
Acq: 30 May 2024 12:25

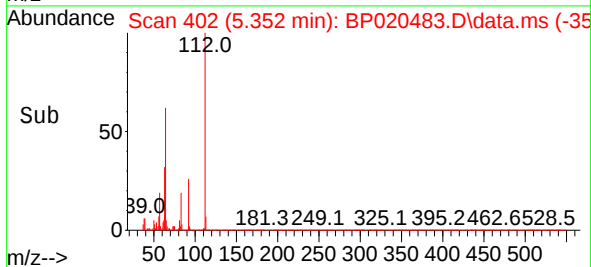
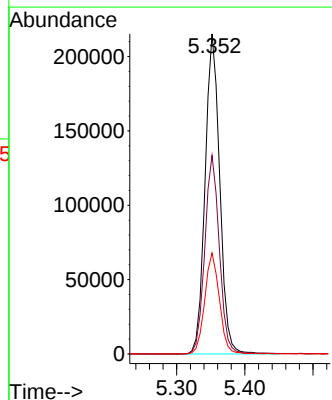
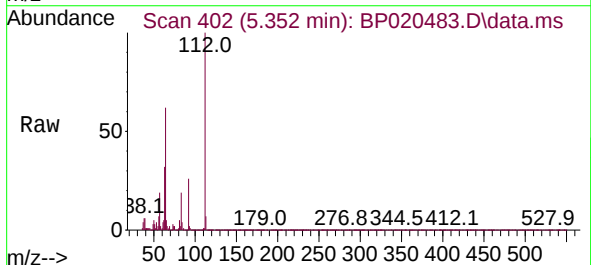
Instrument :
BNA_P
ClientSampleId :
PT-BNA-SOILD

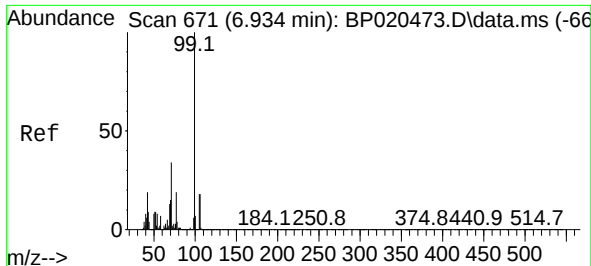
Tgt Ion:152 Resp: 252818
Ion Ratio Lower Upper
152 100
150 158.0 124.2 186.2
115 61.6 49.5 74.3



#5
2-Fluorophenol
Concen: 22.802 ng
RT: 5.352 min Scan# 402
Delta R.T. -0.024 min
Lab File: BP020483.D
Acq: 30 May 2024 12:25

Tgt Ion:112 Resp: 321974
Ion Ratio Lower Upper
112 100
64 62.0 50.1 75.1
63 31.6 25.7 38.5

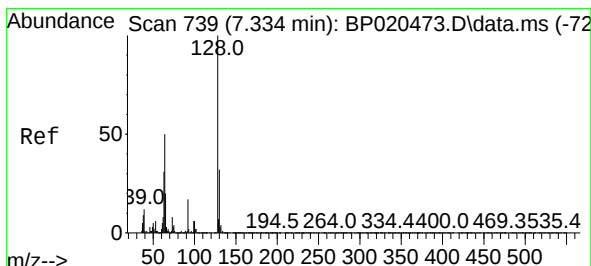
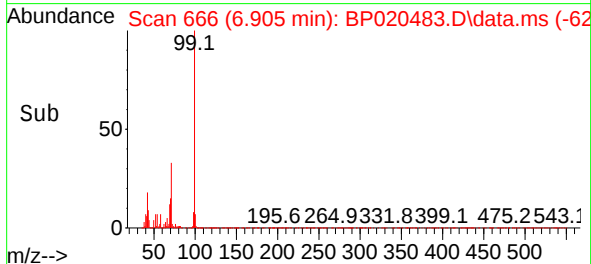
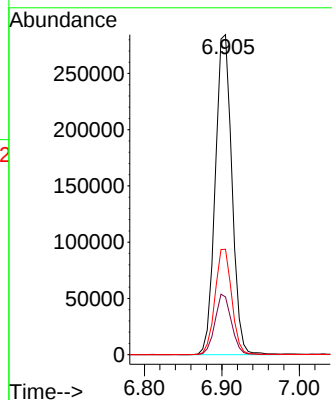
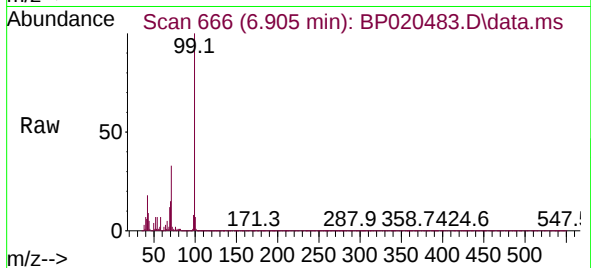




#7
Phenol-d6
Concen: 21.307 ng
RT: 6.905 min Scan# 671
Delta R.T. -0.029 min
Lab File: BP020483.D
Acq: 30 May 2024 12:25

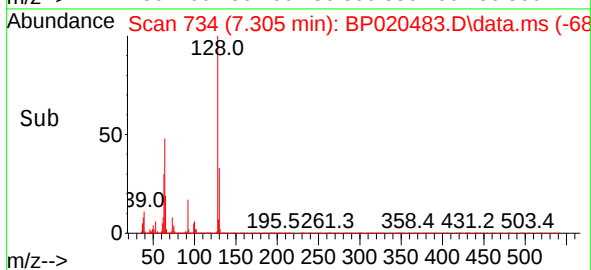
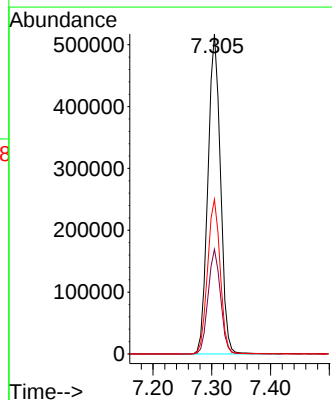
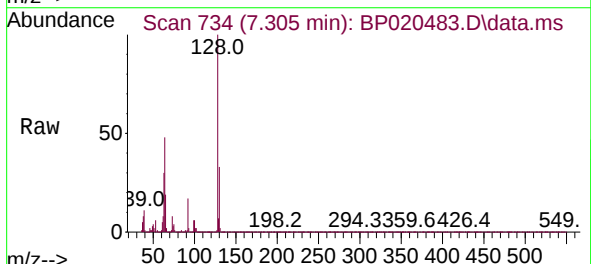
Instrument :
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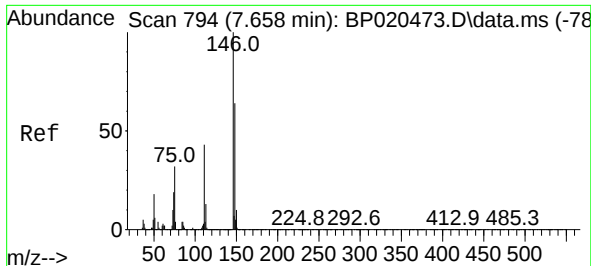
Tgt Ion: 99 Resp: 424288
Ion Ratio Lower Upper
99 100
42 18.1 15.0 22.4
71 32.9 27.3 40.9



#8
2-Chlorophenol
Concen: 48.329 ng
RT: 7.305 min Scan# 734
Delta R.T. -0.029 min
Lab File: BP020483.D
Acq: 30 May 2024 12:25

Tgt Ion: 128 Resp: 764993
Ion Ratio Lower Upper
128 100
130 32.7 12.4 52.4
64 48.3 29.6 69.6

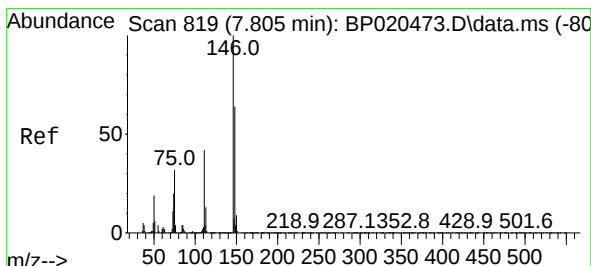
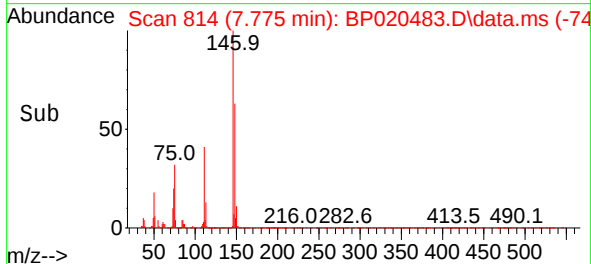
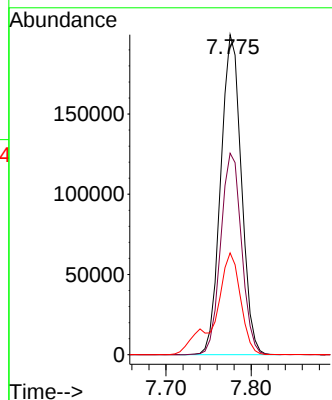
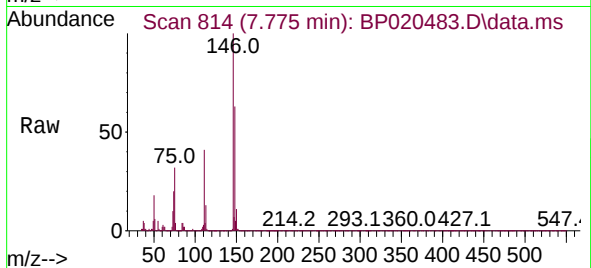




#12
1,3-Dichlorobenzene
Concen: 17.978 ng
RT: 7.775 min Scan# 814
Delta R.T. 0.118 min
Lab File: BP020483.D
Acq: 30 May 2024 12:25

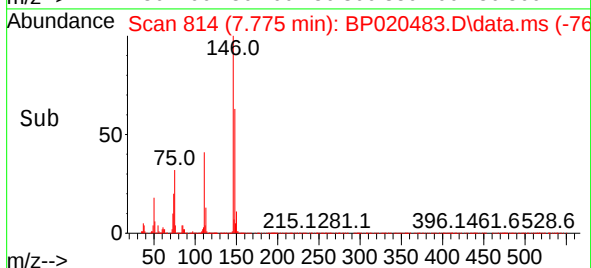
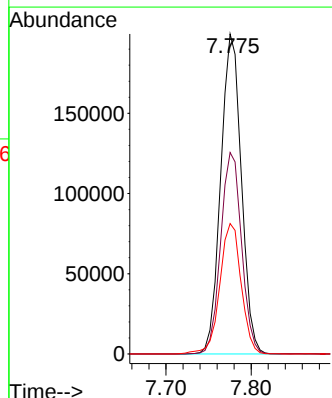
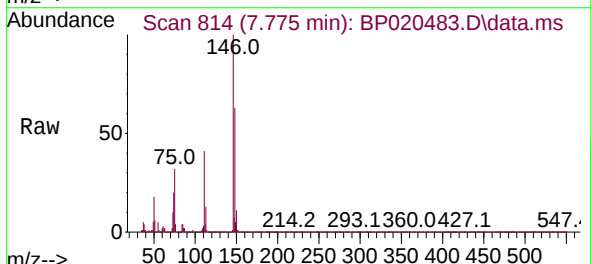
Instrument :
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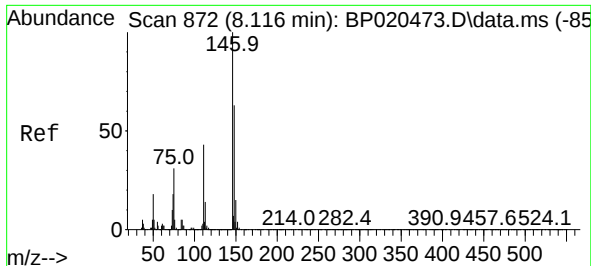
Tgt Ion:146 Resp: 335275
Ion Ratio Lower Upper
146 100
148 62.9 51.2 76.8
75 31.8 25.3 37.9



#13
1,4-Dichlorobenzene
Concen: 17.688 ng
RT: 7.775 min Scan# 814
Delta R.T. -0.029 min
Lab File: BP020483.D
Acq: 30 May 2024 12:25

Tgt Ion:146 Resp: 335275
Ion Ratio Lower Upper
146 100
148 62.9 50.8 76.2
111 40.8 33.8 50.6

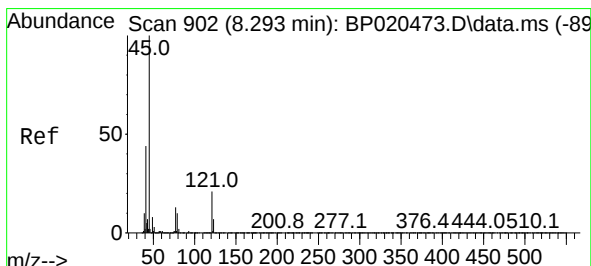
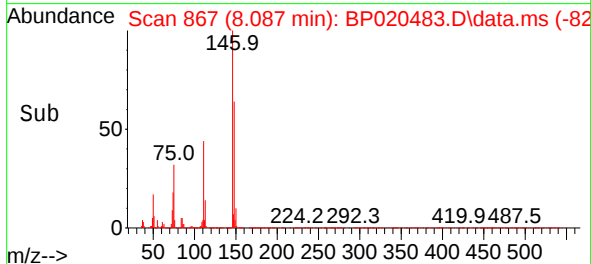
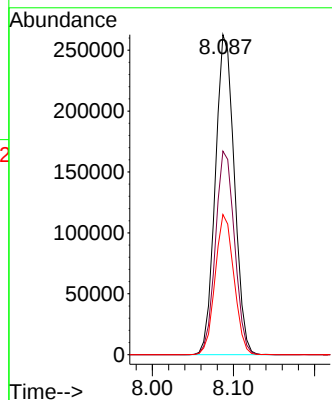
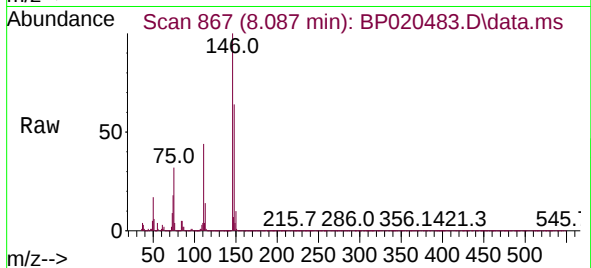




#14
1,2-Dichlorobenzene
Concen: 23.357 ng
RT: 8.087 min Scan# 80
Delta R.T. -0.029 min
Lab File: BP020483.D
Acq: 30 May 2024 12:25

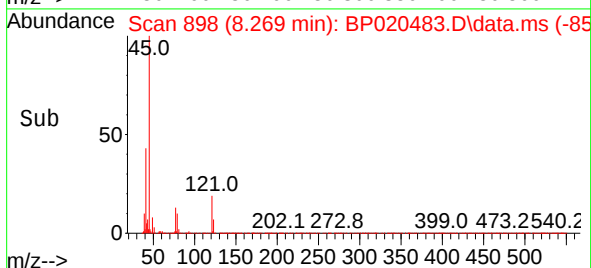
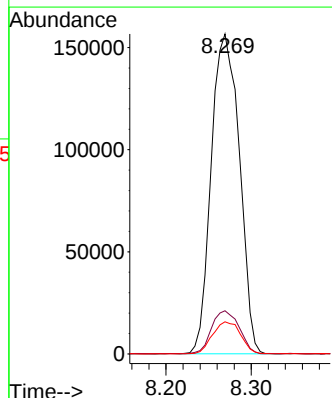
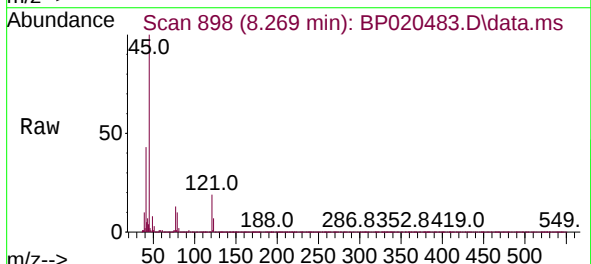
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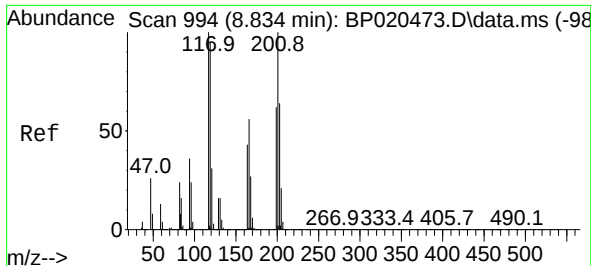
Tgt Ion:146 Resp: 427266
Ion Ratio Lower Upper
146 100
148 63.6 50.1 75.1
111 43.8 34.4 51.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 14.327 ng
RT: 8.269 min Scan# 898
Delta R.T. -0.024 min
Lab File: BP020483.D
Acq: 30 May 2024 12:25

Tgt Ion: 45 Resp: 359801
Ion Ratio Lower Upper
45 100
77 13.5 0.0 33.6
79 10.1 0.0 29.9

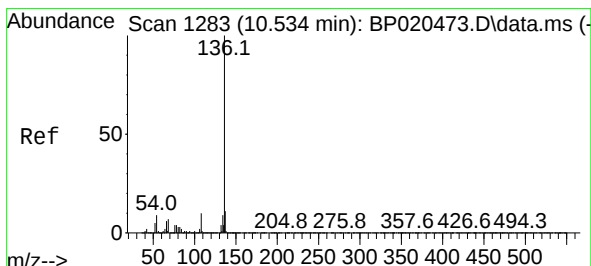
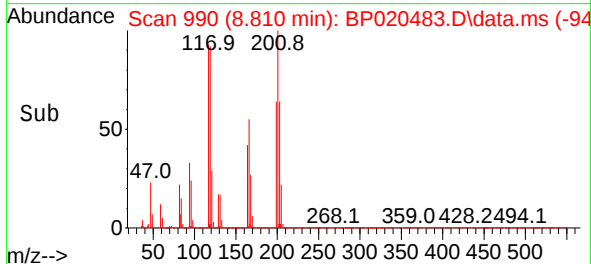
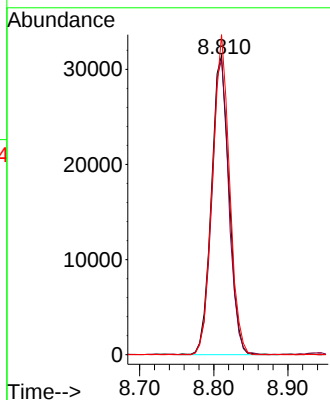
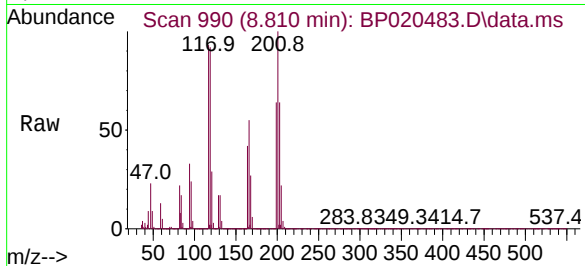




#18
Hexachloroethane
Concen: 7.497 ng
RT: 8.810 min Scan# 994
Delta R.T. -0.024 min
Lab File: BP020483.D
Acq: 30 May 2024 12:25

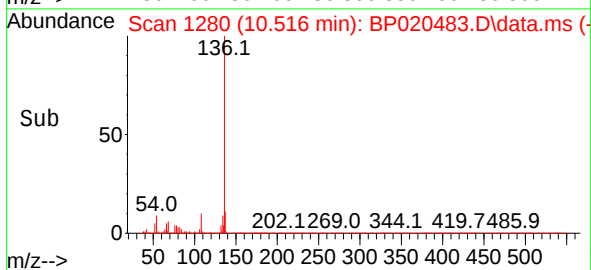
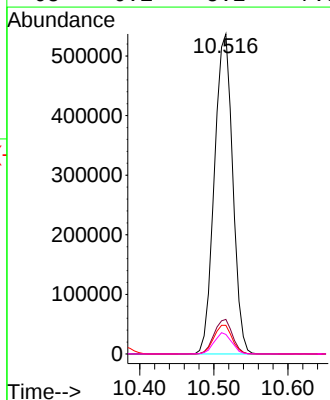
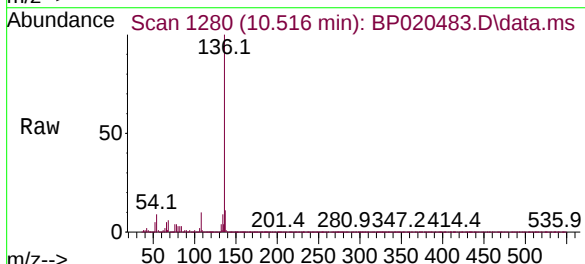
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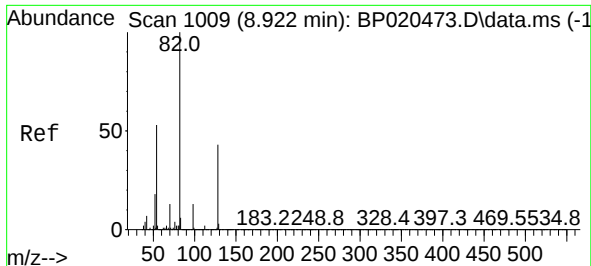
Tgt Ion:117 Resp: 51889
Ion Ratio Lower Upper
117 100
119 98.7 76.3 114.5
201 107.0 79.9 119.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1280
Delta R.T. -0.018 min
Lab File: BP020483.D
Acq: 30 May 2024 12:25

Tgt Ion:136 Resp: 920361
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 9.0 7.4 11.0
68 6.1 5.2 7.8





#23

Nitrobenzene-d5

Concen: 15.282 ng

RT: 8.887 min Scan# 1003

Delta R.T. -0.035 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOILDL

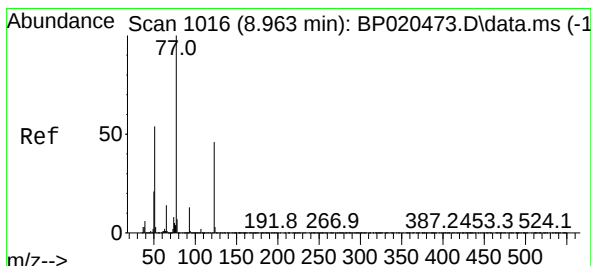
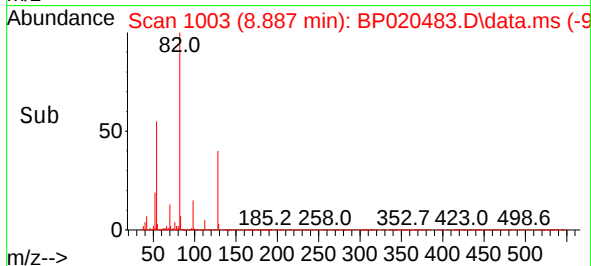
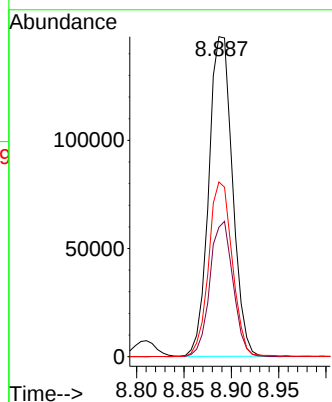
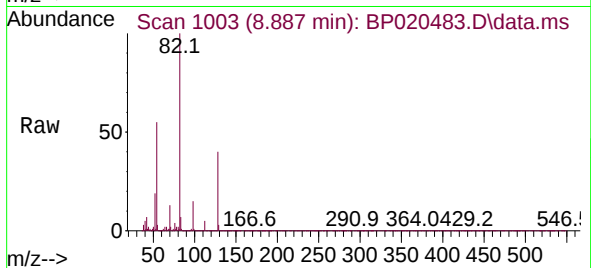
Tgt Ion: 82 Resp: 256947

Ion Ratio Lower Upper

82 100

128 40.5 34.2 51.4

54 54.6 42.7 64.1



#24

Nitrobenzene

Concen: 54.035 ng

RT: 8.934 min Scan# 1011

Delta R.T. -0.029 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

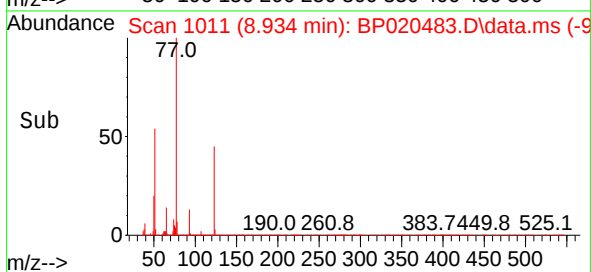
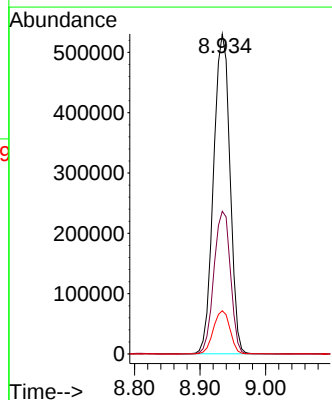
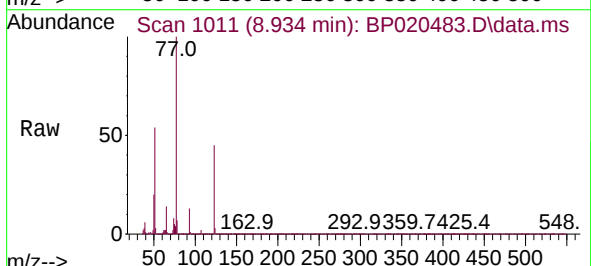
Tgt Ion: 77 Resp: 922030

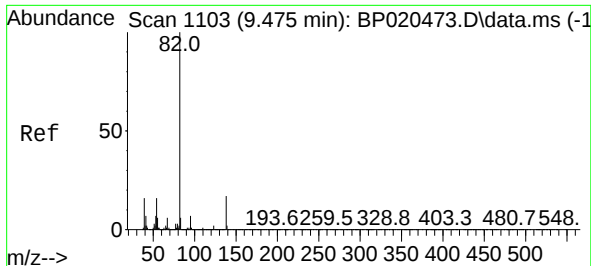
Ion Ratio Lower Upper

77 100

123 44.6 36.6 54.8

65 13.5 11.1 16.7





#25

Isophorone

Concen: 18.950 ng

RT: 9.446 min Scan# 1109

Delta R.T. -0.029 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOILDL

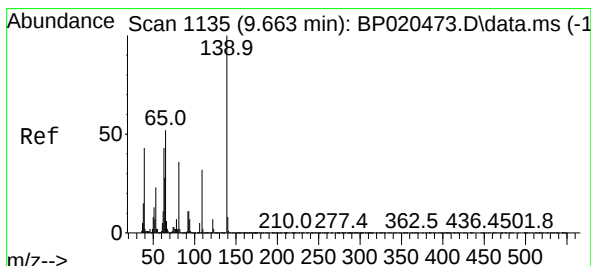
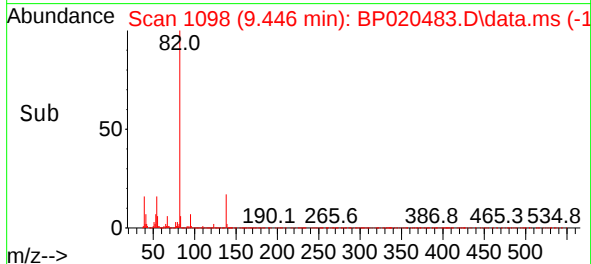
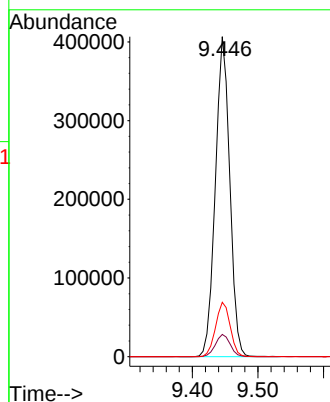
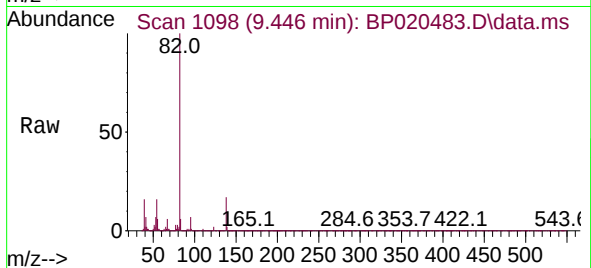
Tgt Ion: 82 Resp: 619057

Ion Ratio Lower Upper

82 100

95 7.0 5.8 8.6

138 17.0 13.8 20.6



#26

2-Nitrophenol

Concen: 24.916 ng

RT: 9.640 min Scan# 1131

Delta R.T. -0.023 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

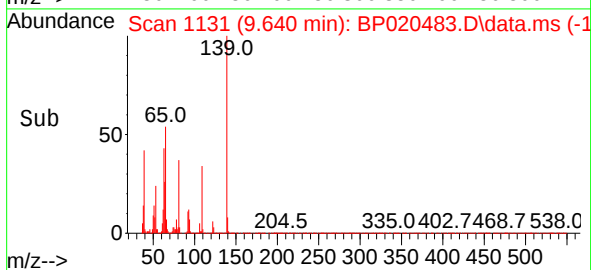
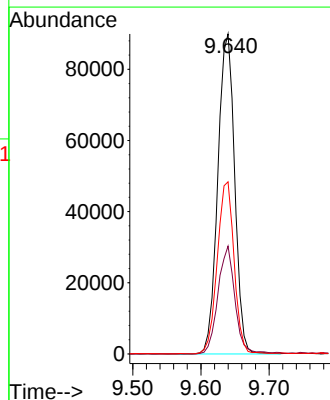
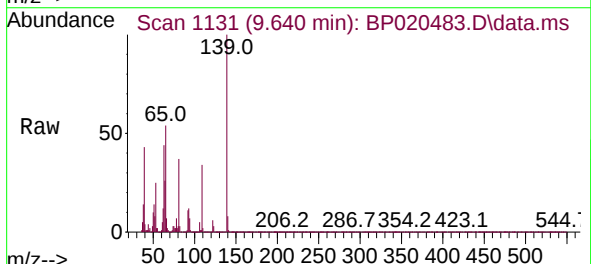
Tgt Ion: 139 Resp: 154819

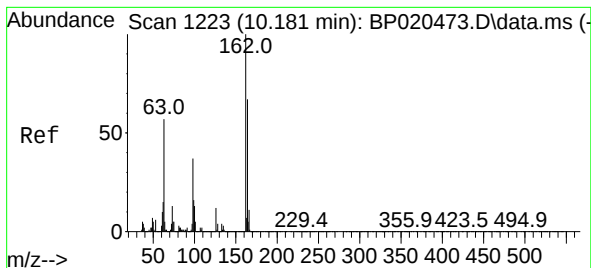
Ion Ratio Lower Upper

139 100

109 33.7 25.8 38.8

65 53.8 41.8 62.8





#29

2,4-Dichlorophenol

Concen: 31.966 ng

RT: 10.151 min Scan# 1218

Delta R.T. -0.029 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOILDL

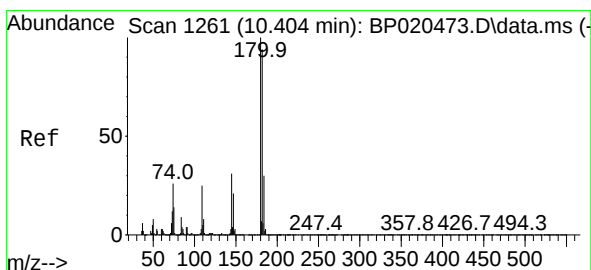
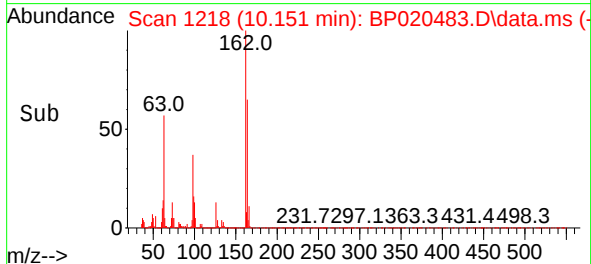
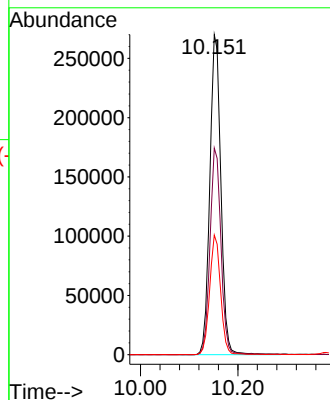
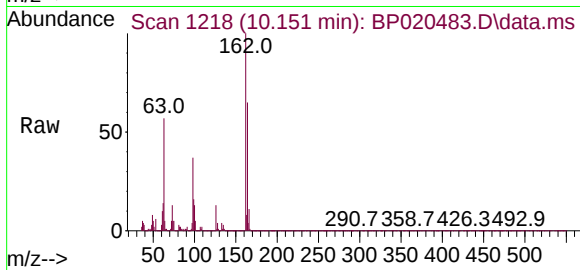
Tgt Ion:162 Resp: 423237

Ion Ratio Lower Upper

162 100

164 64.6 46.5 86.5

98 37.4 17.4 57.4



#30

1,2,4-Trichlorobenzene

Concen: 51.122 ng

RT: 10.381 min Scan# 1257

Delta R.T. -0.024 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

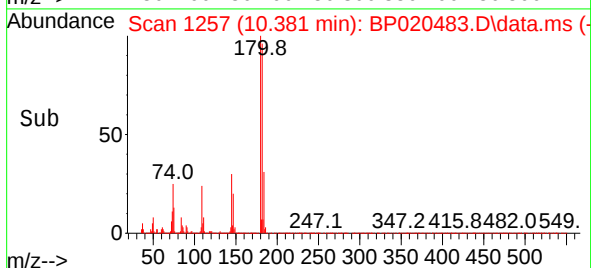
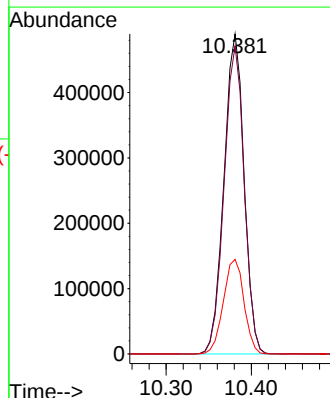
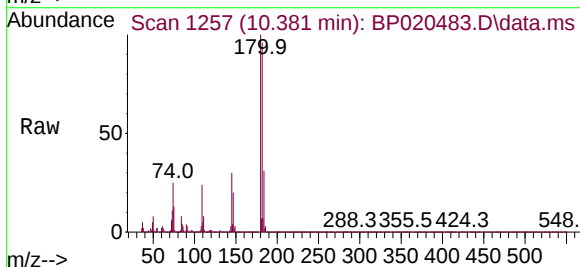
Tgt Ion:180 Resp: 803554

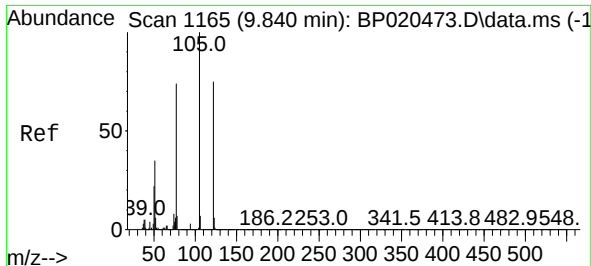
Ion Ratio Lower Upper

180 100

182 96.3 75.2 112.8

145 29.5 24.9 37.3

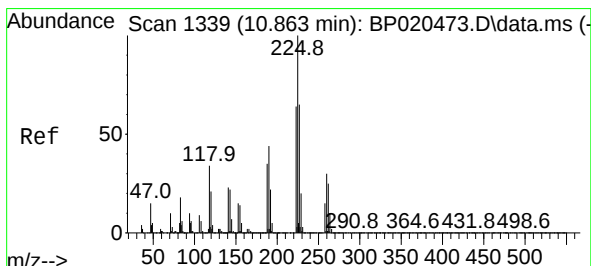
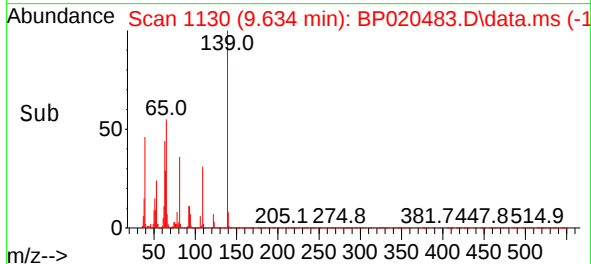
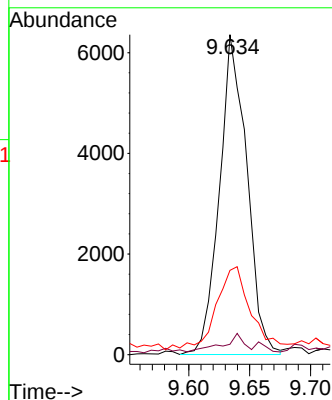
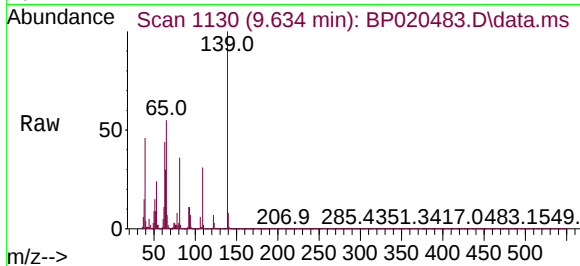




#32
Benzoic acid
Concen: 7.756 ng
RT: 9.634 min Scan# 1165
Delta R.T. -0.206 min
Lab File: BP020483.D
Acq: 30 May 2024 12:25

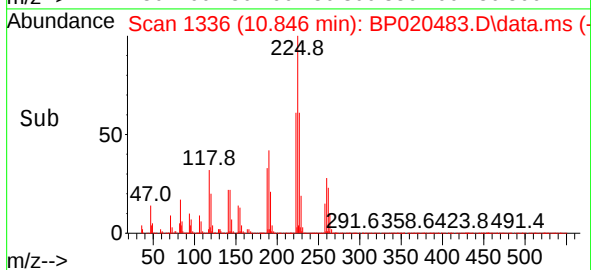
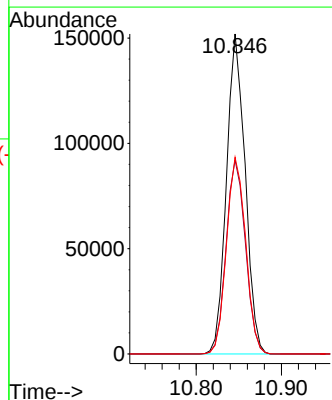
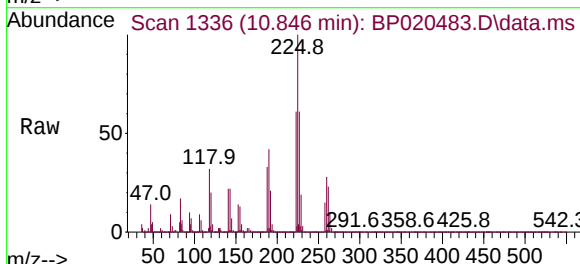
Instrument :
BNA_P
ClientSampleId :
PT-BNA-SOILD

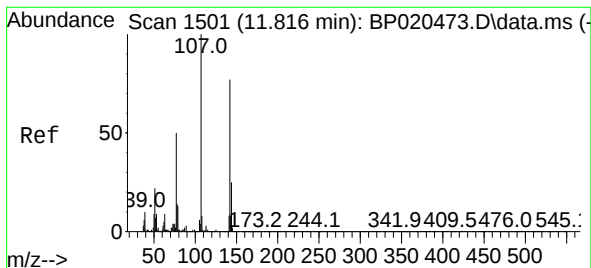
Tgt Ion:122 Resp: 9929
Ion Ratio Lower Upper
122 100
105 3.2 107.5 147.5#
77 26.4 76.1 116.1#



#34
Hexachlorobutadiene
Concen: 23.370 ng
RT: 10.846 min Scan# 1336
Delta R.T. -0.018 min
Lab File: BP020483.D
Acq: 30 May 2024 12:25

Tgt Ion:225 Resp: 231396
Ion Ratio Lower Upper
225 100
223 60.6 51.3 76.9
227 61.5 51.6 77.4

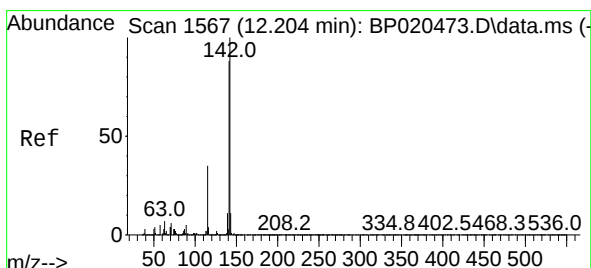
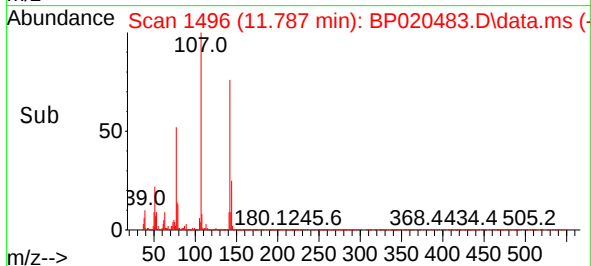
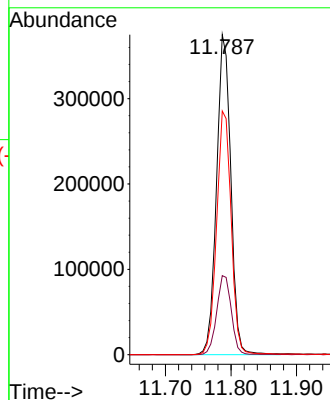
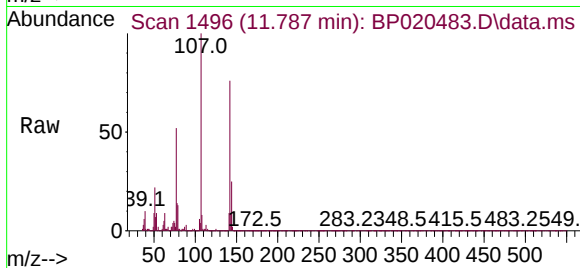




#36
4-Chloro-3-methylphenol
Concen: 36.408 ng
RT: 11.787 min Scan# 1496
Delta R.T. -0.029 min
Lab File: BP020483.D
Acq: 30 May 2024 12:25

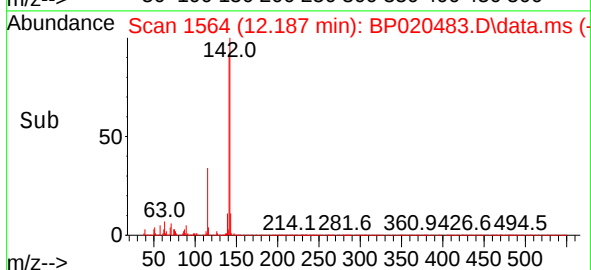
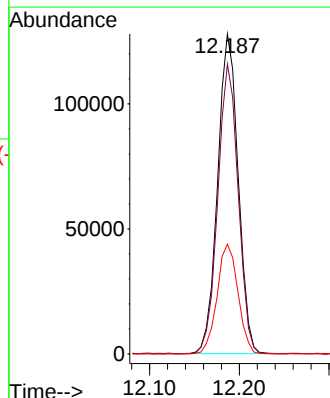
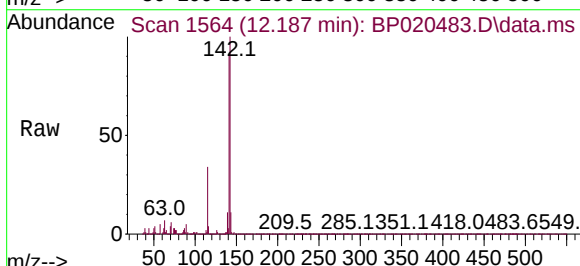
Instrument :
BNA_P
ClientSampleId :
PT-BNA-SOILD

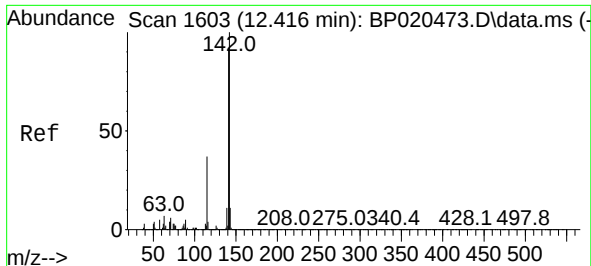
Tgt Ion:107 Resp: 564403
Ion Ratio Lower Upper
107 100
144 24.7 20.0 30.0
142 76.2 61.4 92.2



#37
2-Methylnaphthalene
Concen: 6.022 ng
RT: 12.187 min Scan# 1564
Delta R.T. -0.018 min
Lab File: BP020483.D
Acq: 30 May 2024 12:25

Tgt Ion:142 Resp: 203041
Ion Ratio Lower Upper
142 100
141 90.6 70.3 105.5
115 34.3 28.0 42.0





#38

1-Methylnaphthalene

Concen: 6.075 ng

RT: 12.187 min Scan# 1564

Delta R.T. -0.229 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOILD

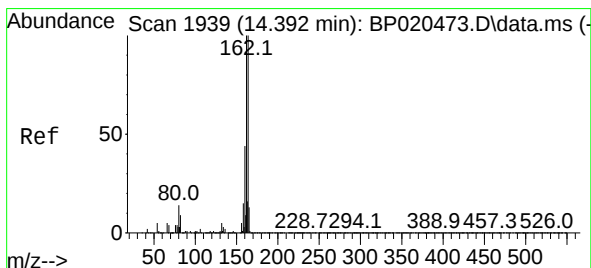
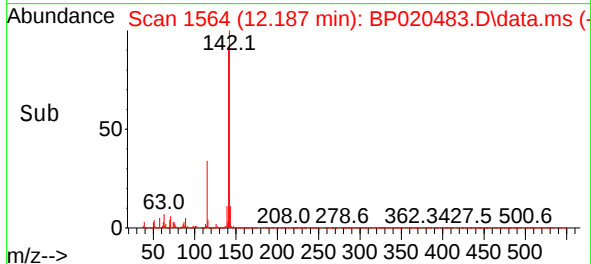
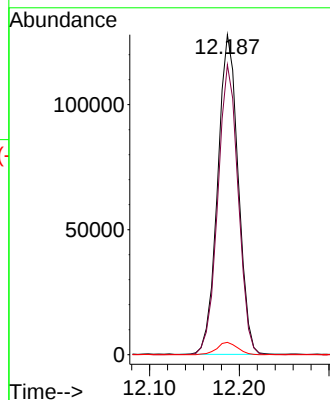
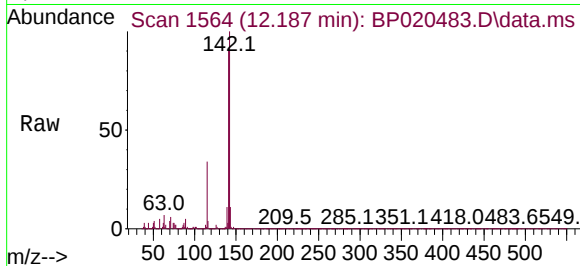
Tgt Ion:142 Resp: 203041

Ion Ratio Lower Upper

142 100

141 90.6 73.7 110.5

116 3.9 3.2 4.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.375 min Scan# 1936

Delta R.T. -0.017 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

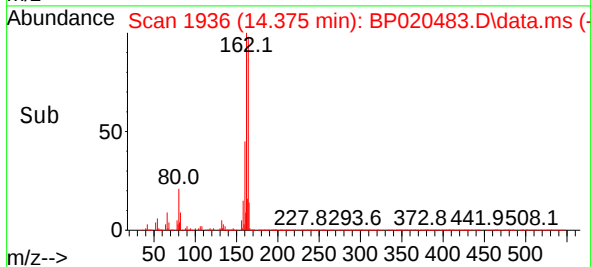
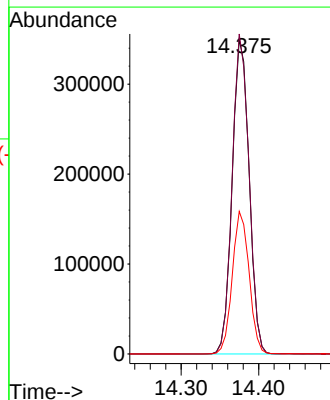
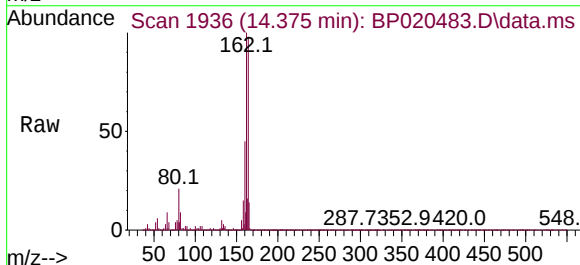
Tgt Ion:164 Resp: 532738

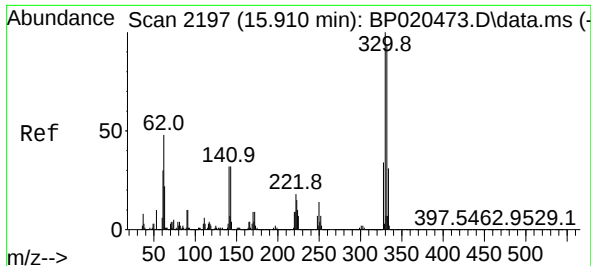
Ion Ratio Lower Upper

164 100

162 101.7 80.3 120.5

160 45.4 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 20.050 ng

RT: 15.892 min Scan# 2197

Delta R.T. -0.018 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOILD

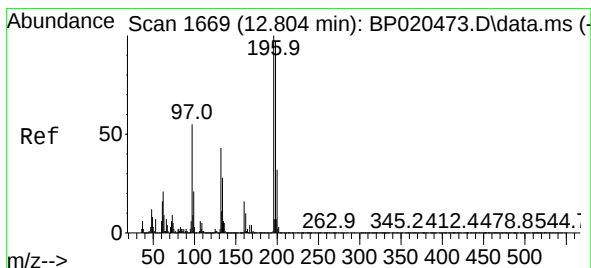
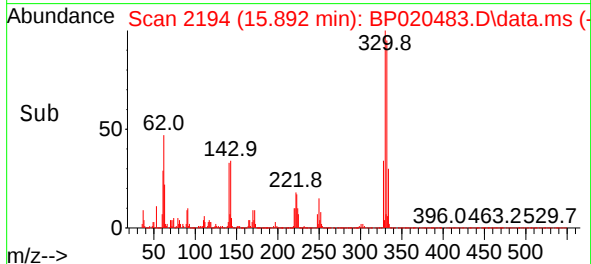
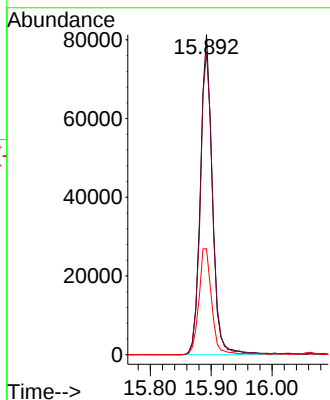
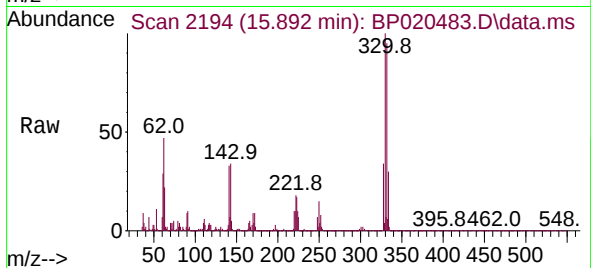
Tgt Ion:330 Resp: 110850

Ion Ratio Lower Upper

330 100

332 98.0 76.6 114.8

141 35.2 27.1 40.7



#43

2,4,6-Trichlorophenol

Concen: 25.343 ng

RT: 12.787 min Scan# 1666

Delta R.T. -0.018 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

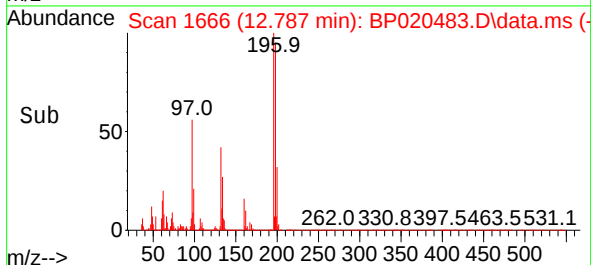
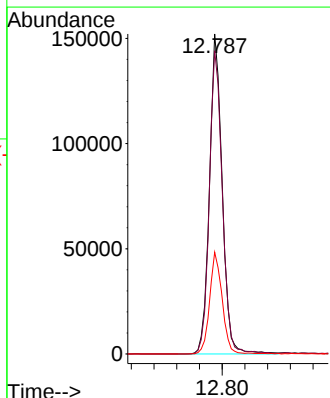
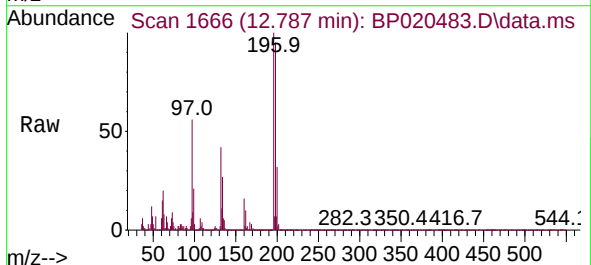
Tgt Ion:196 Resp: 236124

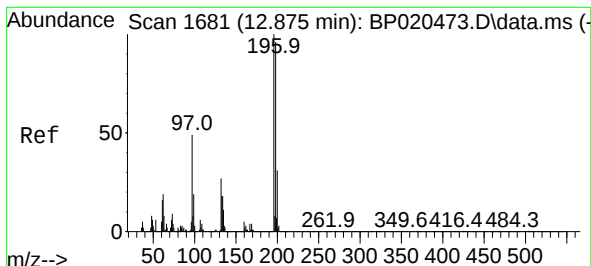
Ion Ratio Lower Upper

196 100

198 94.7 77.9 116.9

200 31.8 25.5 38.3





#44

2,4,5-Trichlorophenol

Concen: 21.967 ng

RT: 12.787 min Scan# 1

Delta R.T. -0.088 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOILDL

Tgt Ion:196 Resp: 236124

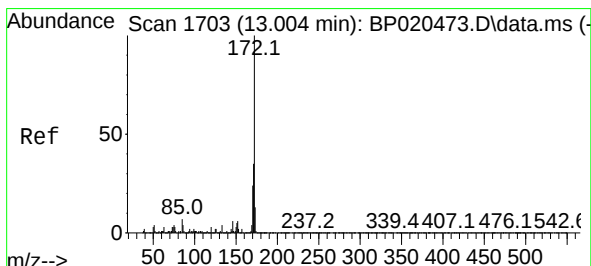
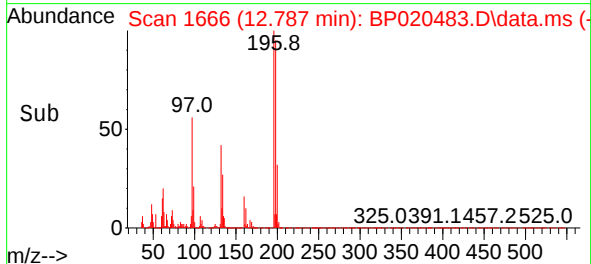
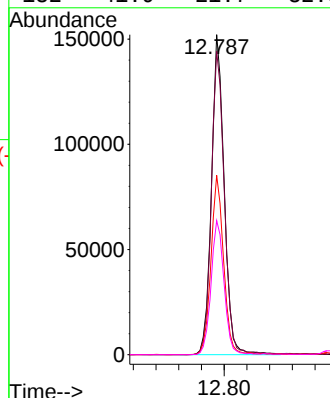
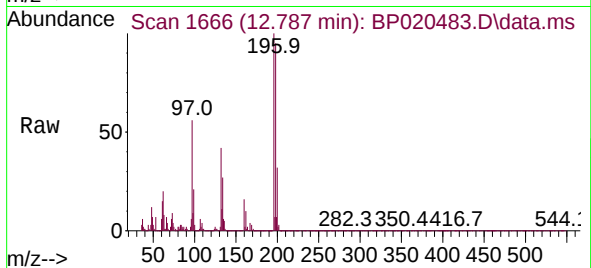
Ion Ratio Lower Upper

196 100

198 94.7 77.0 115.4

97 56.1 38.9 58.3

132 41.9 21.7 32.5#



#45

2-Fluorobiphenyl

Concen: 17.133 ng

RT: 12.981 min Scan# 1699

Delta R.T. -0.024 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

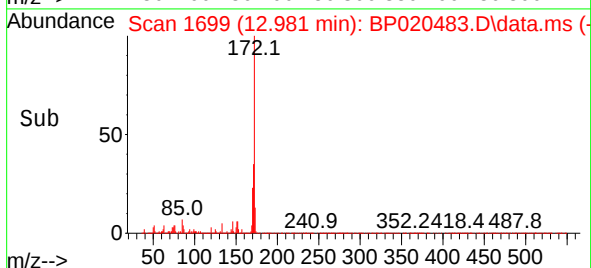
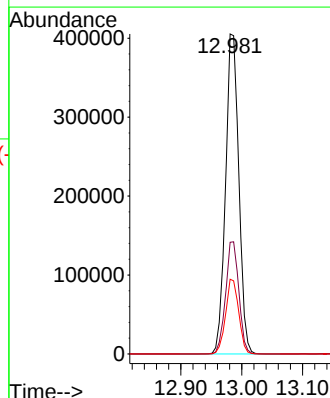
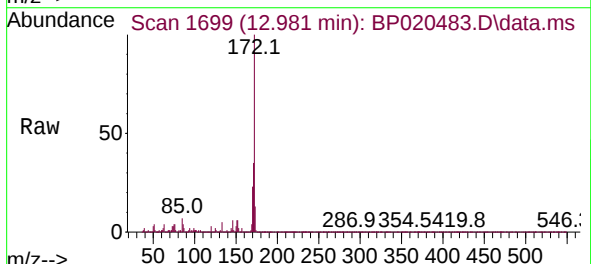
Tgt Ion:172 Resp: 612268

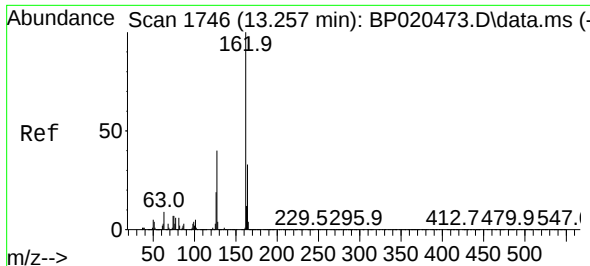
Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 23.4 18.9 28.3

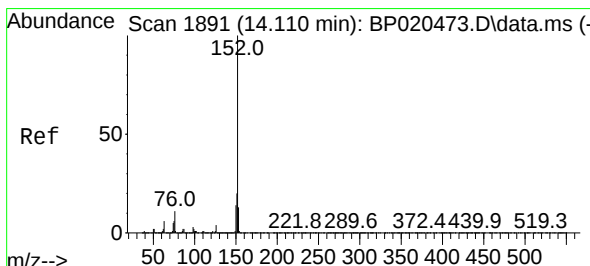
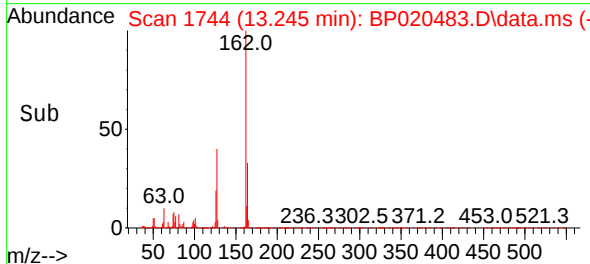
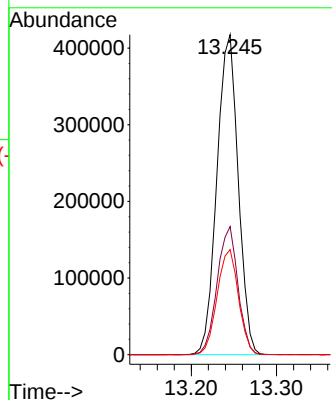
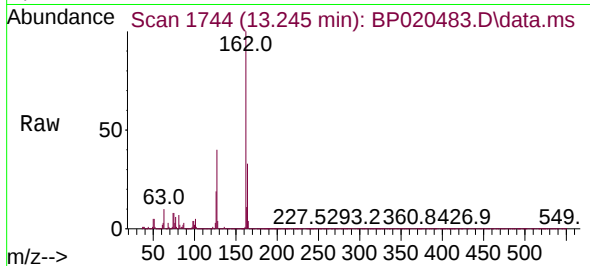




#47
2-Chloronaphthalene
Concen: 24.270 ng
RT: 13.245 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP020483.D
Acq: 30 May 2024 12:25

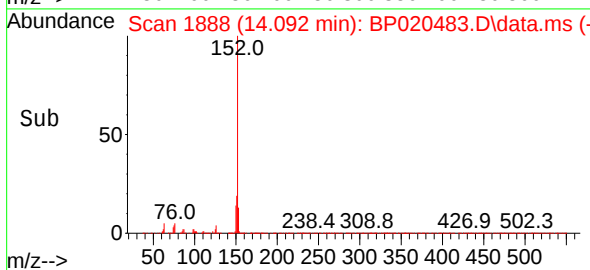
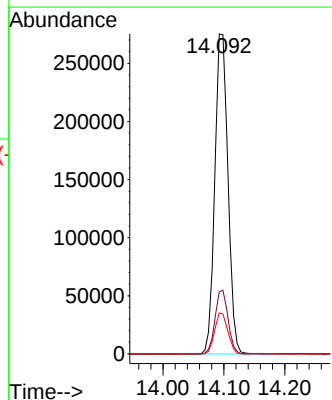
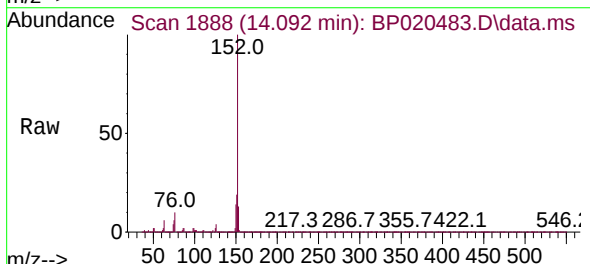
Instrument :
BNA_P
ClientSampleId :
PT-BNA-SOILD

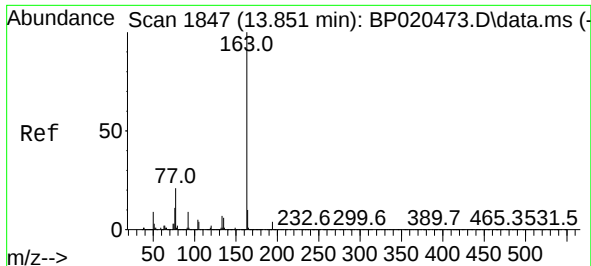
Tgt Ion:162 Resp: 725388
Ion Ratio Lower Upper
162 100
127 40.0 32.2 48.2
164 32.8 26.1 39.1



#49
Acenaphthylene
Concen: 9.302 ng
RT: 14.092 min Scan# 1888
Delta R.T. -0.018 min
Lab File: BP020483.D
Acq: 30 May 2024 12:25

Tgt Ion:152 Resp: 412546
Ion Ratio Lower Upper
152 100
151 19.4 15.9 23.9
153 12.8 10.6 15.8





#50

Dimethylphthalate

Concen: 31.251 ng

RT: 13.828 min Scan# 11

Delta R.T. -0.024 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOILDL

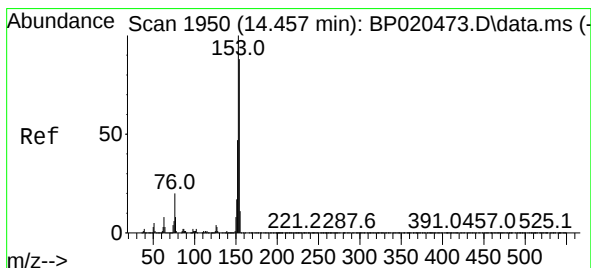
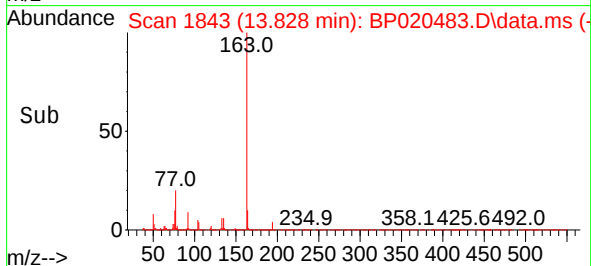
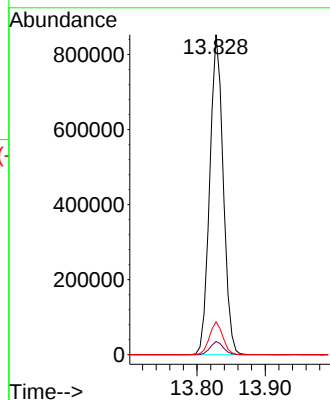
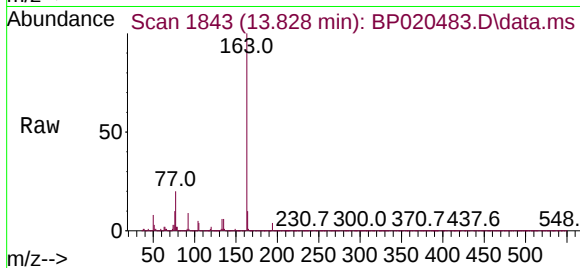
Tgt Ion:163 Resp: 1173535

Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 10.2 8.3 12.5



#52

Acenaphthene

Concen: 6.909 ng

RT: 14.445 min Scan# 1948

Delta R.T. -0.012 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

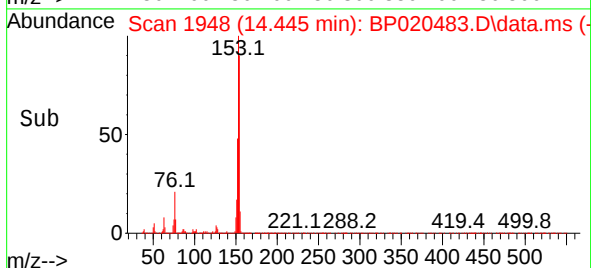
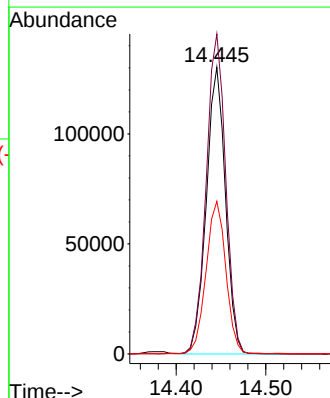
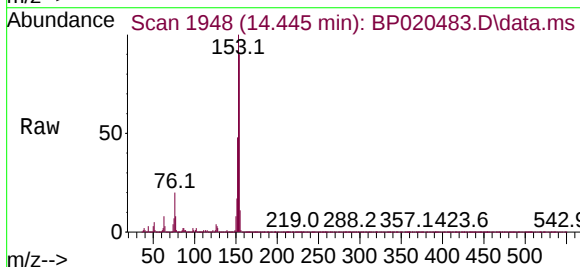
Tgt Ion:154 Resp: 193294

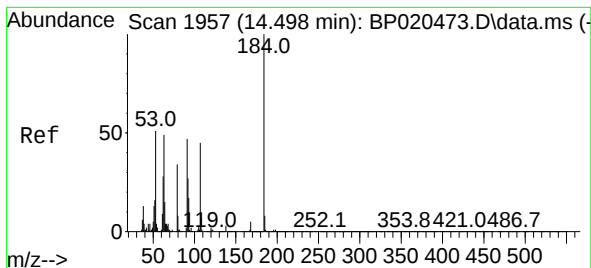
Ion Ratio Lower Upper

154 100

153 111.6 90.6 136.0

152 53.2 42.6 63.8

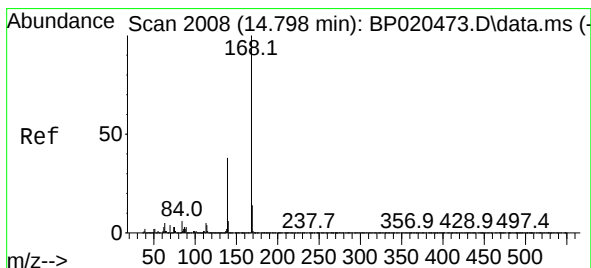
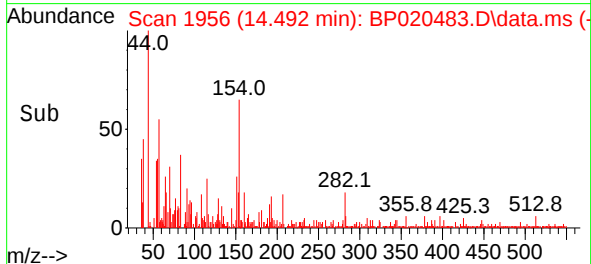
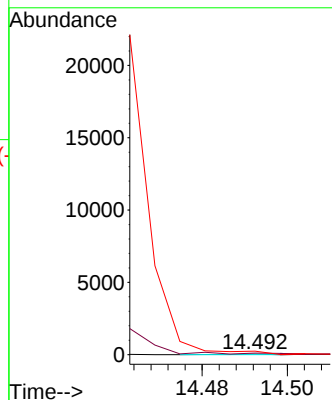
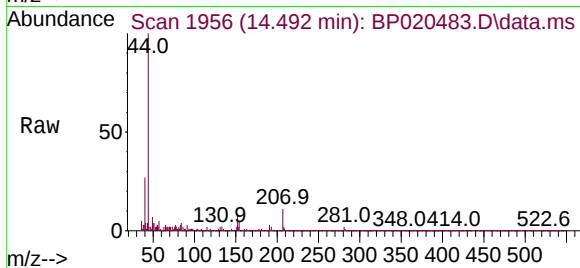




#54
2,4-Dinitrophenol
Concen: 4.979 ng
RT: 14.492 min Scan# 1957
Delta R.T. -0.006 min
Lab File: BP020483.D
Acq: 30 May 2024 12:25

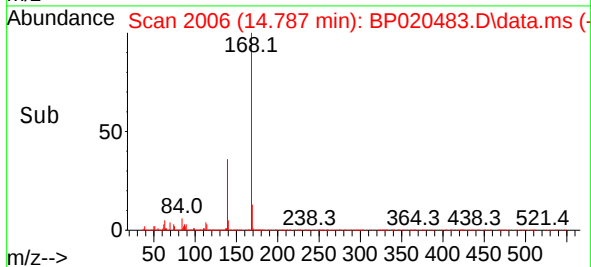
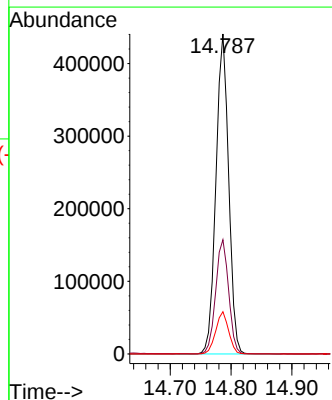
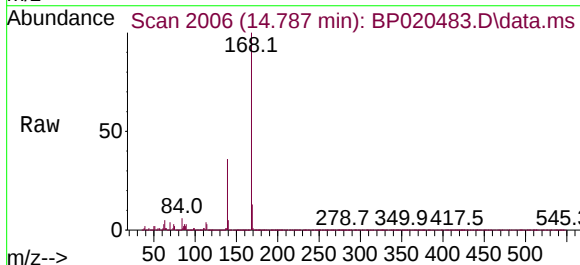
Instrument :
BNA_P
ClientSampleId :
PT-BNA-SOILDL

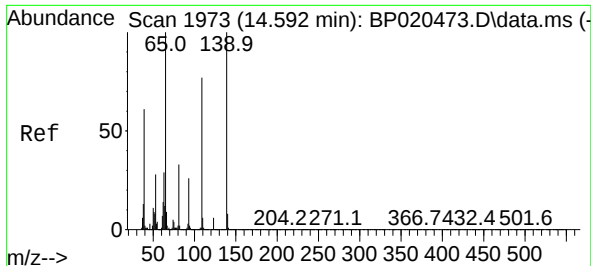
Tgt Ion:184 Resp: 15
Ion Ratio Lower Upper
184 100
63 407.1 54.2 81.4#
154 885.7 51.0 76.6#



#55
Dibenzofuran
Concen: 14.374 ng
RT: 14.787 min Scan# 2006
Delta R.T. -0.012 min
Lab File: BP020483.D
Acq: 30 May 2024 12:25

Tgt Ion:168 Resp: 636995
Ion Ratio Lower Upper
168 100
139 35.7 30.4 45.6
169 13.2 11.0 16.4





#56

4-Nitrophenol

Concen: 26.747 ng

RT: 14.575 min Scan# 11

Delta R.T. -0.018 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOILDL

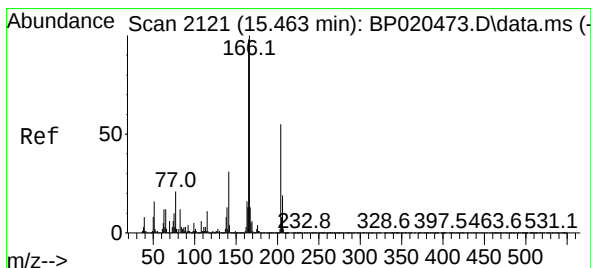
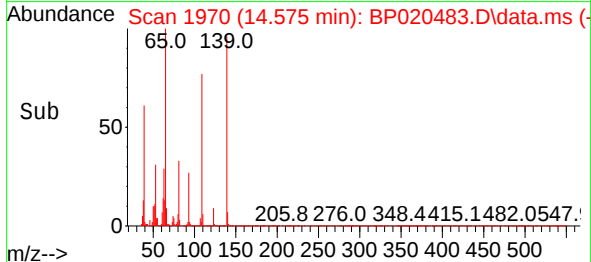
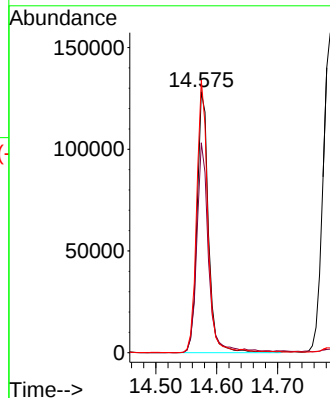
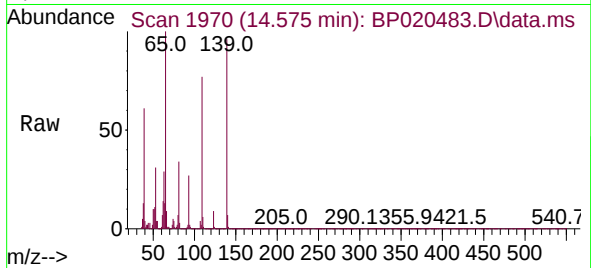
Tgt Ion:139 Resp: 166580

Ion Ratio Lower Upper

139 100

109 80.6 57.4 97.4

65 104.7 80.4 120.4



#58

Fluorene

Concen: 34.416 ng

RT: 15.445 min Scan# 2118

Delta R.T. -0.018 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

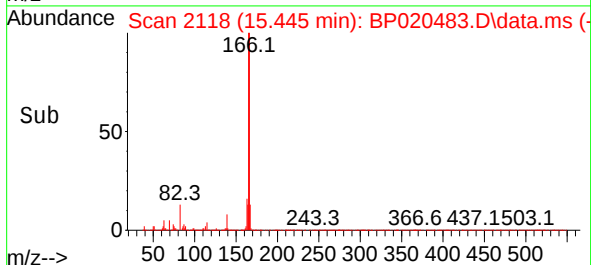
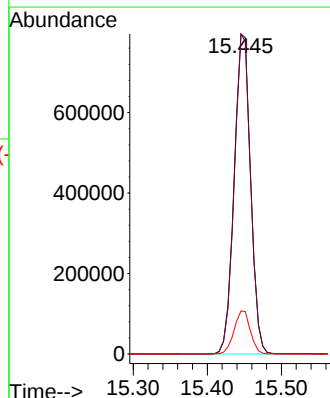
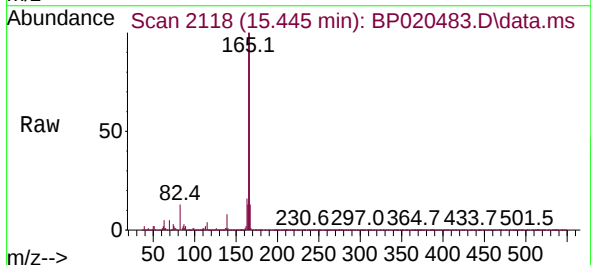
Tgt Ion:166 Resp: 1224404

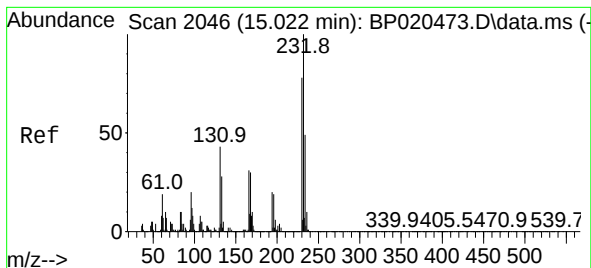
Ion Ratio Lower Upper

166 100

165 99.9 78.2 117.4

167 13.4 10.7 16.1

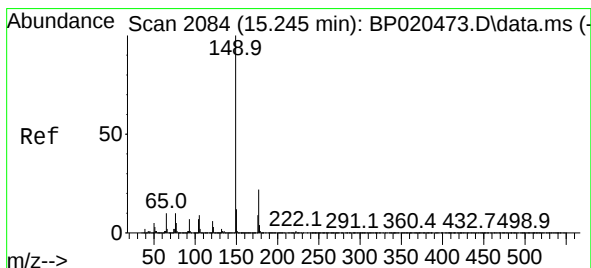
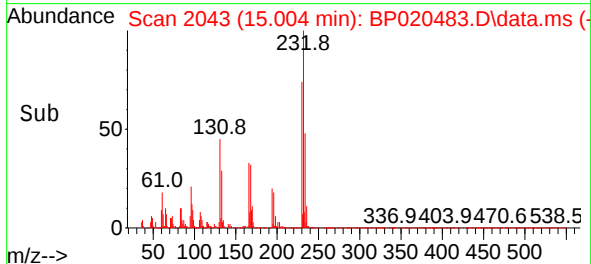
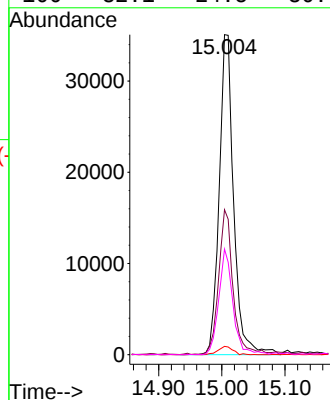
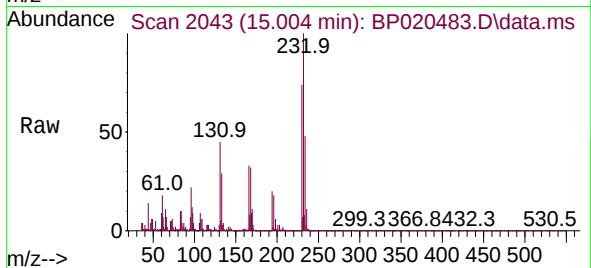




#59
2,3,4,6-Tetrachlorophenol
Concen: 6.359 ng
RT: 15.004 min Scan# 2043
Delta R.T. -0.018 min
Lab File: BP020483.D
Acq: 30 May 2024 12:25

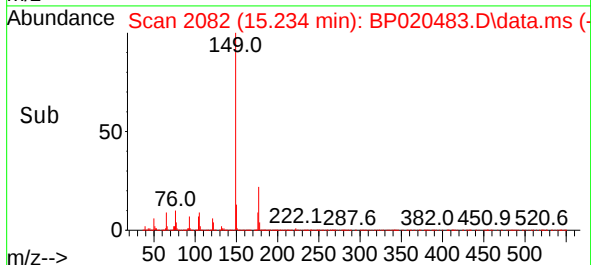
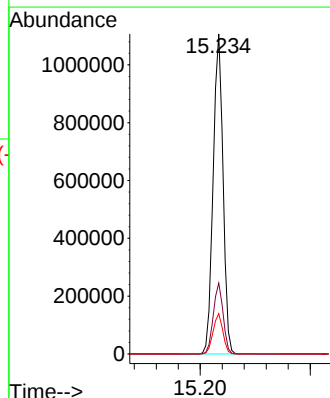
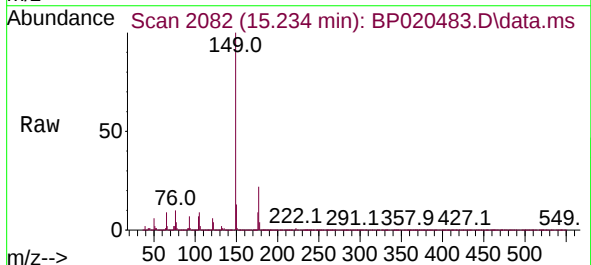
Instrument :
BNA_P
ClientSampleId :
PT-BNA-SOILD

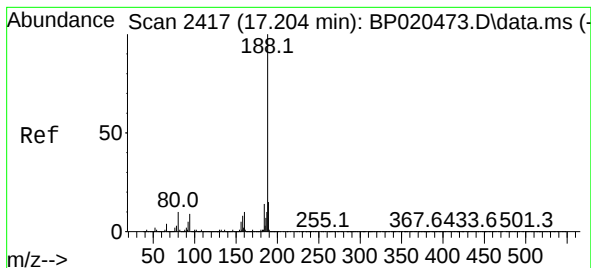
Tgt Ion:	232	Resp:	55934
Ion Ratio	Lower	Upper	
232	100		
131	44.5	34.8	52.2
130	2.7	1.9	2.9
166	32.1	24.5	36.7



#60
Diethylphthalate
Concen: 36.141 ng
RT: 15.234 min Scan# 2082
Delta R.T. -0.012 min
Lab File: BP020483.D
Acq: 30 May 2024 12:25

Tgt Ion:	149	Resp:	1379601
Ion Ratio	Lower	Upper	
149	100		
177	22.2	17.8	26.8
150	12.6	9.8	14.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.192 min Scan# 2417

Delta R.T. -0.012 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOILDL

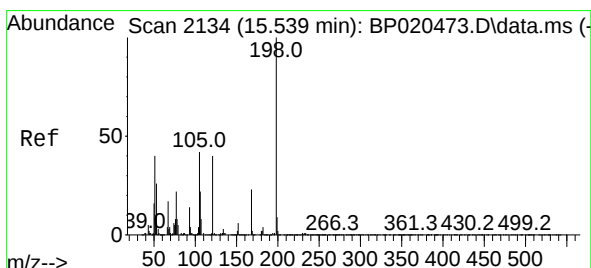
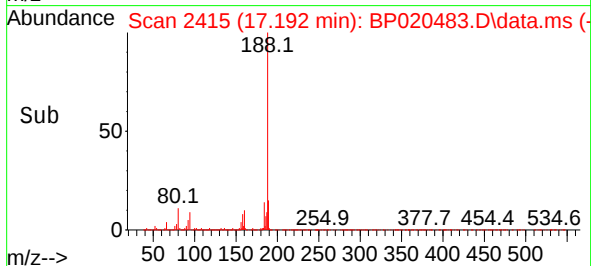
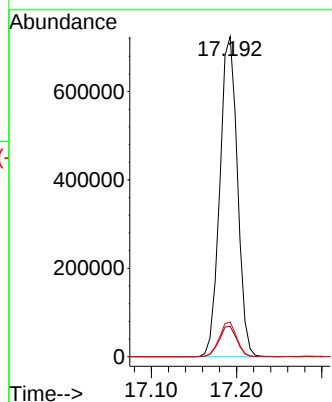
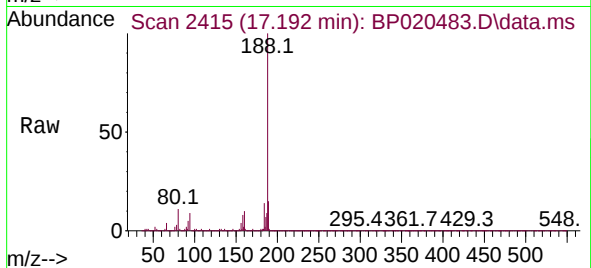
Tgt Ion:188 Resp: 1037613

Ion Ratio Lower Upper

188 100

94 9.5 7.2 10.8

80 10.8 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.656 ng

RT: 15.534 min Scan# 2133

Delta R.T. -0.005 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

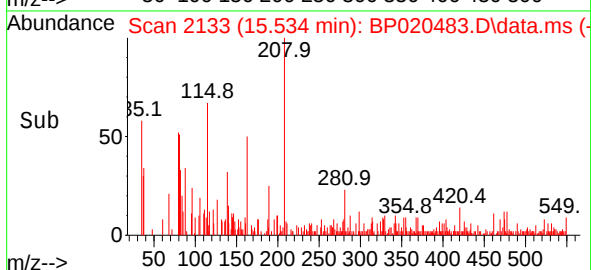
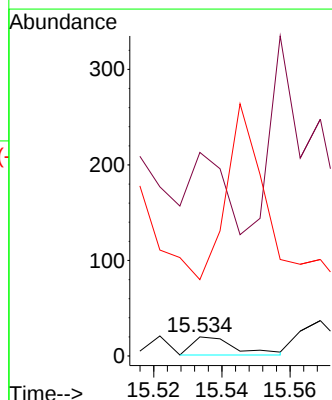
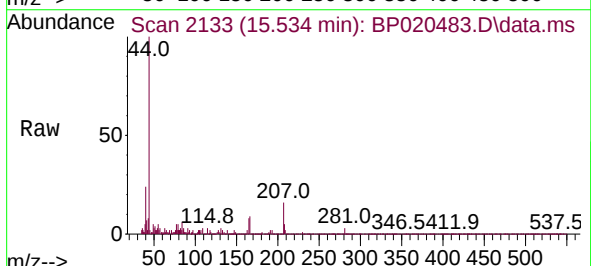
Tgt Ion:198 Resp: 17

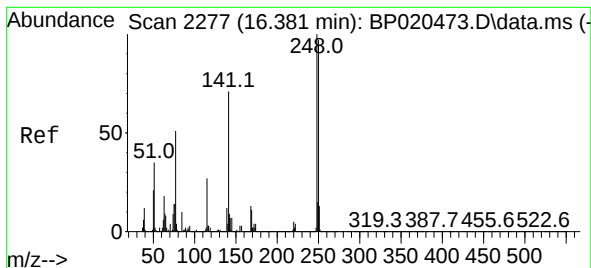
Ion Ratio Lower Upper

198 100

51 1065.0 24.8 64.8#

105 560.0 23.2 63.2#





#67

4-Bromophenyl-phenylether

Concen: 24.699 ng

RT: 16.369 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOILD

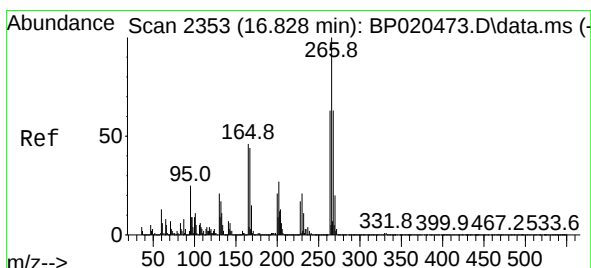
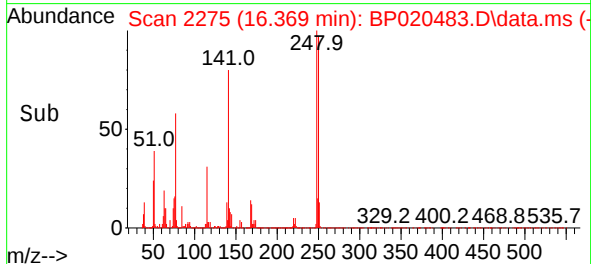
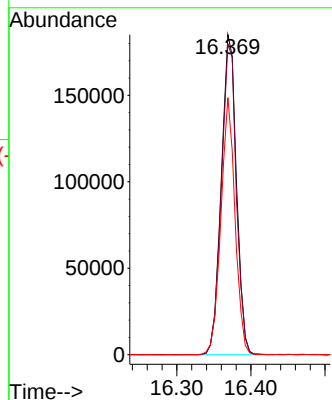
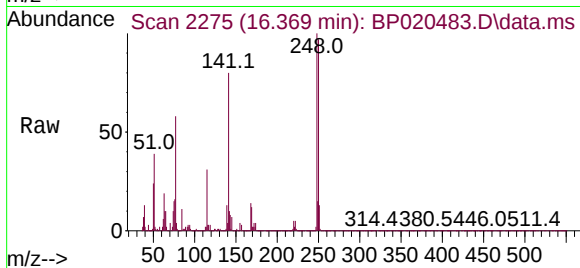
Tgt Ion:248 Resp: 262194

Ion Ratio Lower Upper

248 100

250 97.1 77.4 116.0

141 80.3 56.5 84.7



#70

Pentachlorophenol

Concen: 10.032 ng

RT: 16.822 min Scan# 2352

Delta R.T. -0.006 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

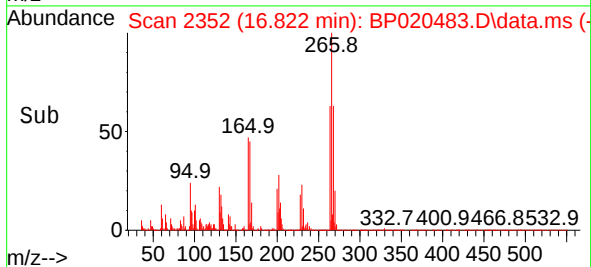
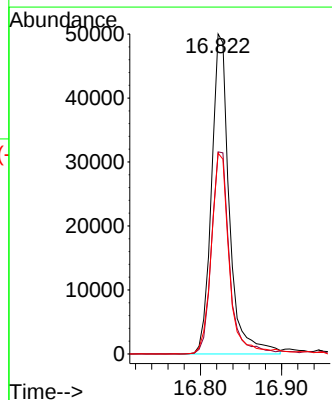
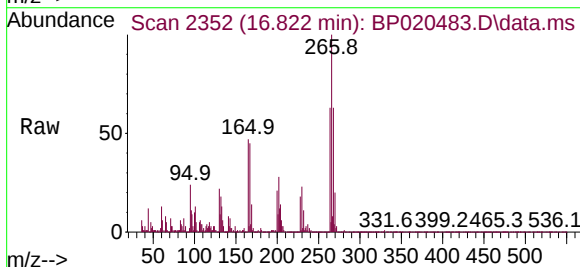
Tgt Ion:266 Resp: 76122

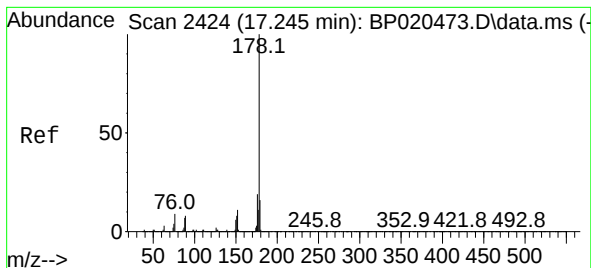
Ion Ratio Lower Upper

266 100

268 63.2 50.1 75.1

264 62.8 50.6 76.0





#71

Phenanthrene

Concen: 12.690 ng

RT: 17.328 min Scan# 2438

Delta R.T. 0.082 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOILD

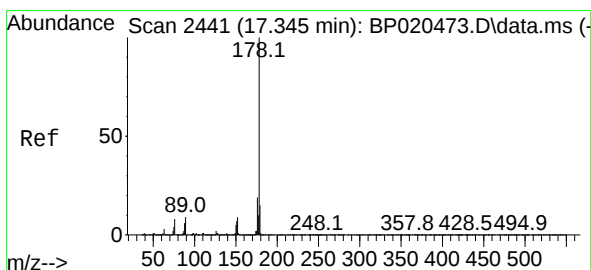
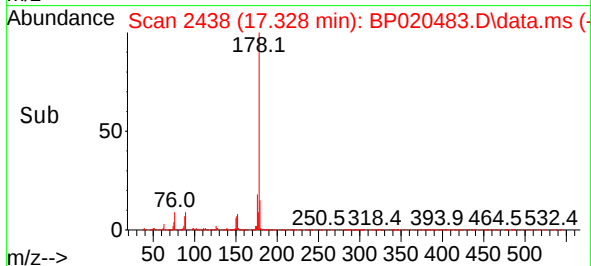
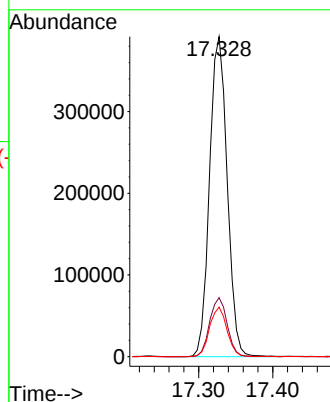
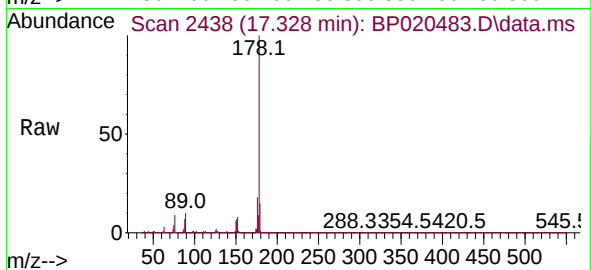
Tgt Ion:178 Resp: 647262

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.2

179 15.5 12.5 18.7



#72

Anthracene

Concen: 12.932 ng

RT: 17.328 min Scan# 2438

Delta R.T. -0.018 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

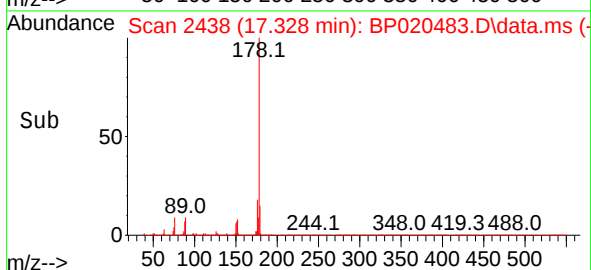
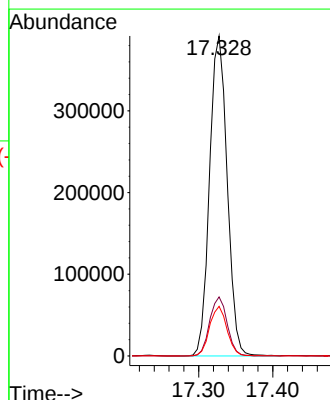
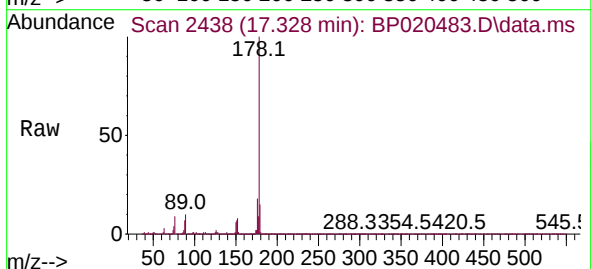
Tgt Ion:178 Resp: 647262

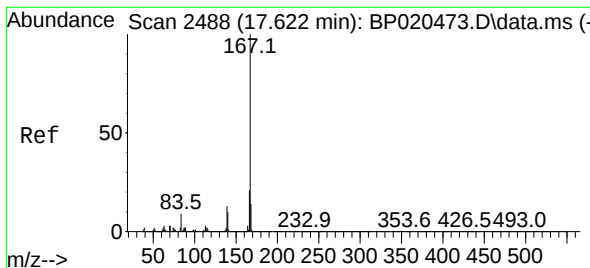
Ion Ratio Lower Upper

178 100

176 18.5 14.8 22.2

179 15.5 12.2 18.4





#73

Carbazole

Concen: 15.006 ng

RT: 17.610 min Scan# 2486

Delta R.T. -0.012 min

Lab File: BP020483.D

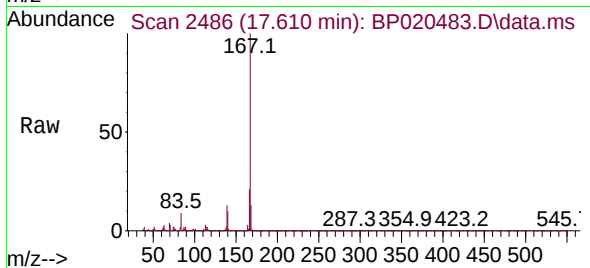
Acq: 30 May 2024 12:25

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOILD



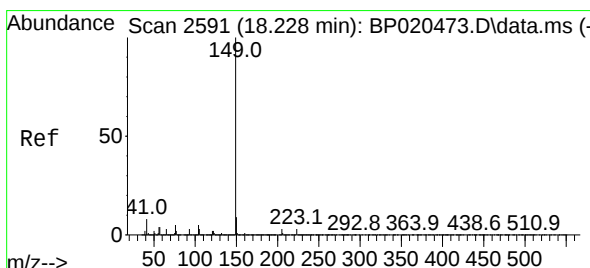
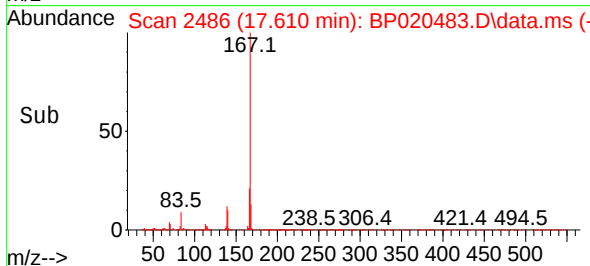
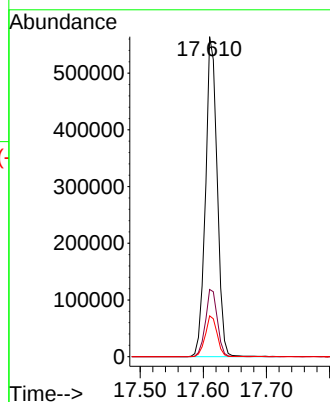
Tgt Ion:167 Resp: 726494

Ion Ratio Lower Upper

167 100

166 21.0 17.1 25.7

139 12.7 10.5 15.7



#74

Di-n-butylphthalate

Concen: 22.961 ng

RT: 18.222 min Scan# 2590

Delta R.T. -0.006 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

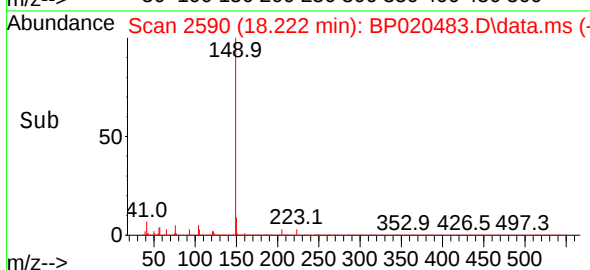
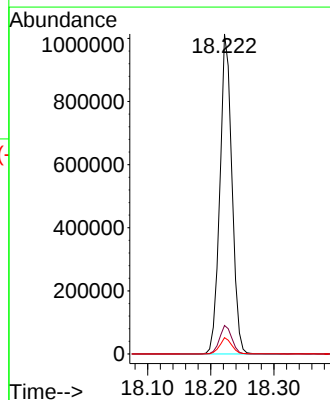
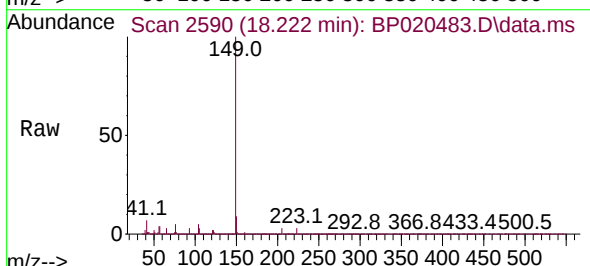
Tgt Ion:149 Resp: 1346152

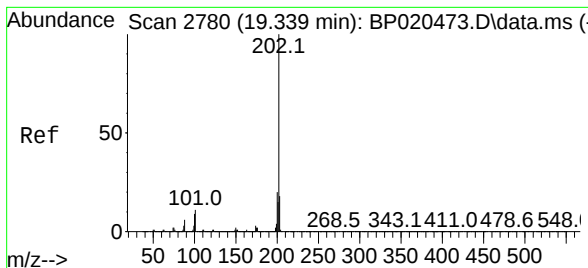
Ion Ratio Lower Upper

149 100

150 8.9 7.4 11.2

104 5.1 4.2 6.2





#75

Fluoranthene

Concen: 9.605 ng

RT: 19.333 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOILD

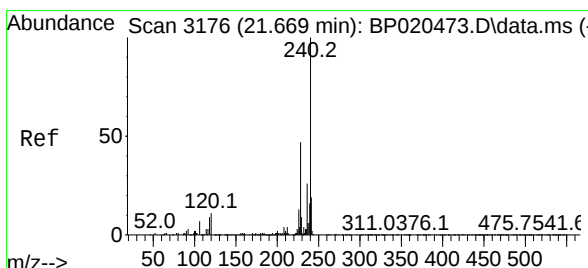
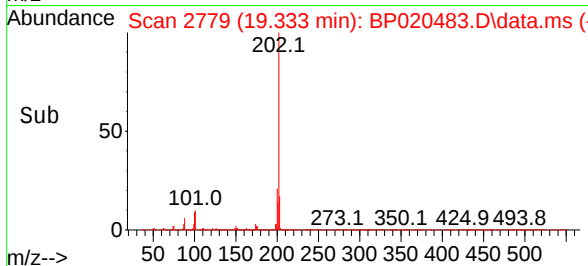
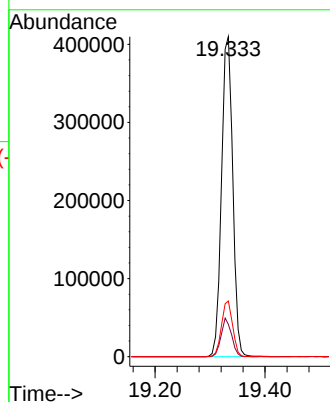
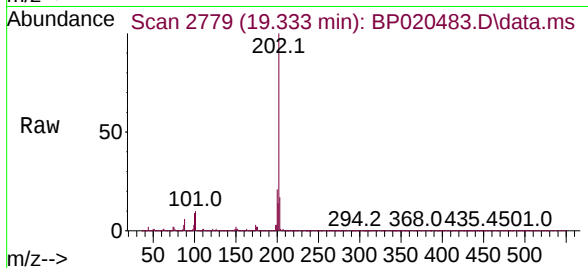
Tgt Ion:202 Resp: 579585

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.4

203 17.4 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.663 min Scan# 3175

Delta R.T. -0.006 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

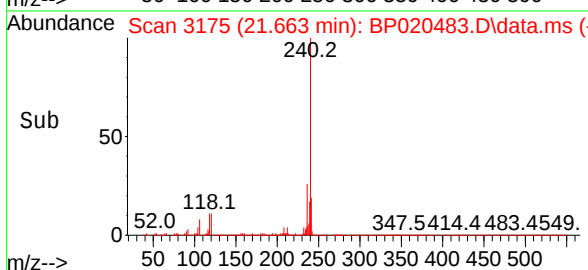
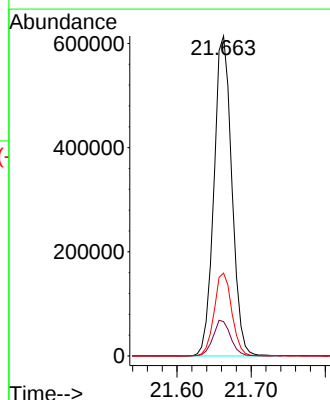
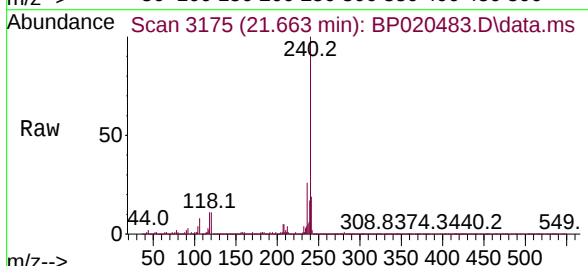
Tgt Ion:240 Resp: 1026795

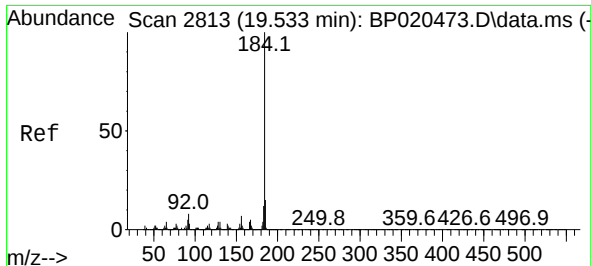
Ion Ratio Lower Upper

240 100

120 10.7 8.5 12.7

236 25.9 20.5 30.7





#77

Benzidine

Concen: 5.976 ng

RT: 19.539 min Scan# 2813

Delta R.T. 0.006 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOILD

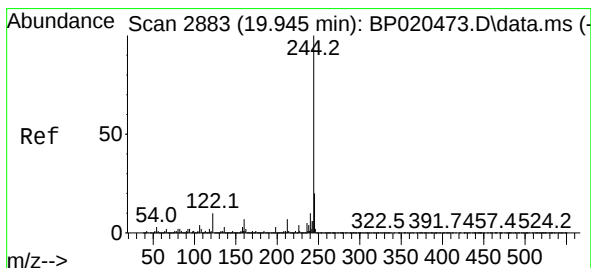
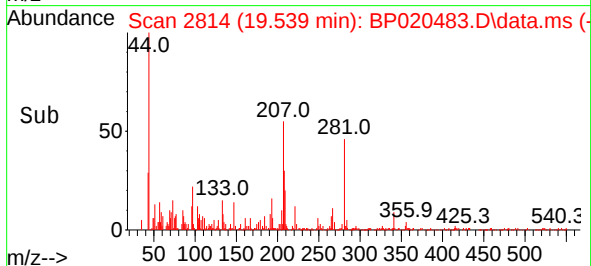
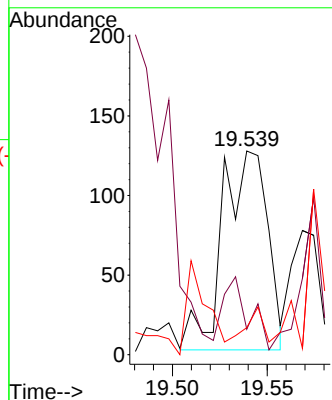
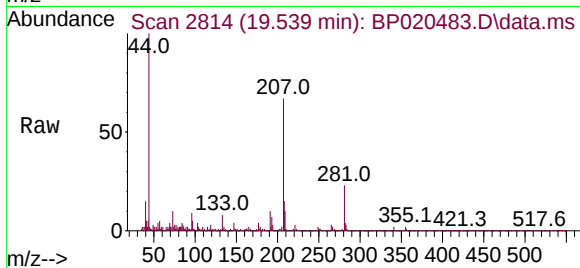
Tgt Ion:184 Resp: 207

Ion Ratio Lower Upper

184 100

185 12.5 12.0 18.0

183 13.3 9.4 14.0



#79

Terphenyl-d14

Concen: 15.548 ng

RT: 19.939 min Scan# 2882

Delta R.T. -0.006 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

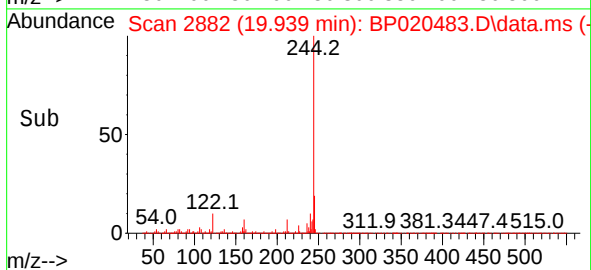
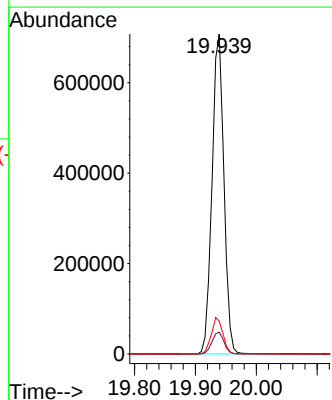
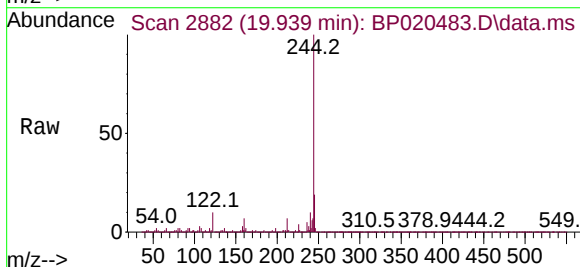
Tgt Ion:244 Resp: 958981

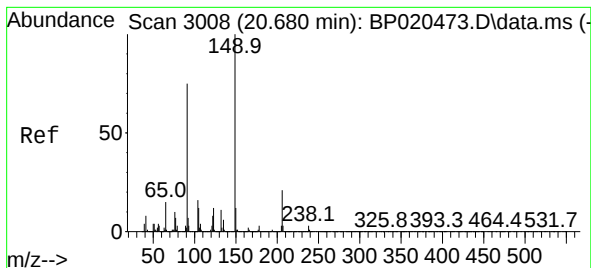
Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

122 10.2 8.2 12.2





#80

Butylbenzylphthalate

Concen: 28.305 ng

RT: 20.692 min Scan# 3008

Delta R.T. 0.012 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOILDL

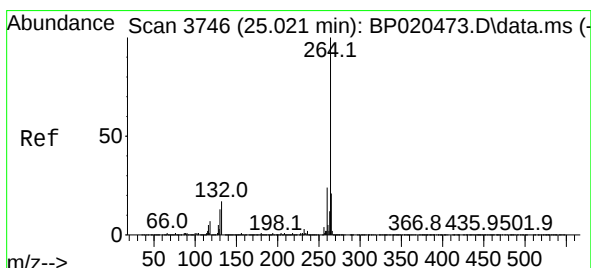
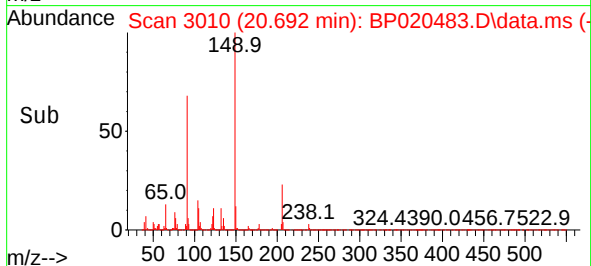
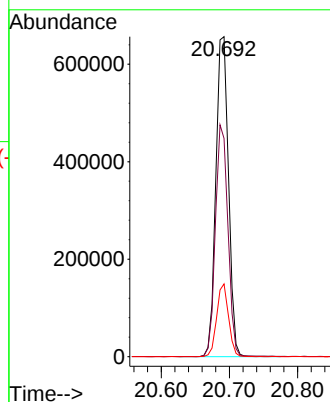
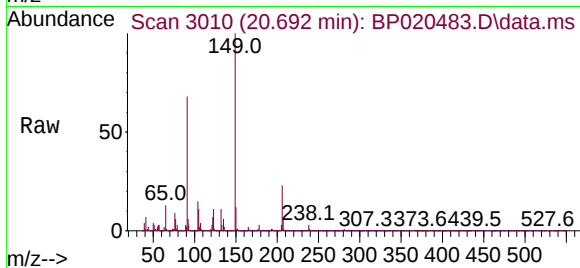
Tgt Ion:149 Resp: 847690

Ion Ratio Lower Upper

149 100

91 68.2 60.0 90.0

206 22.8 16.6 25.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.033 min Scan# 3748

Delta R.T. 0.012 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

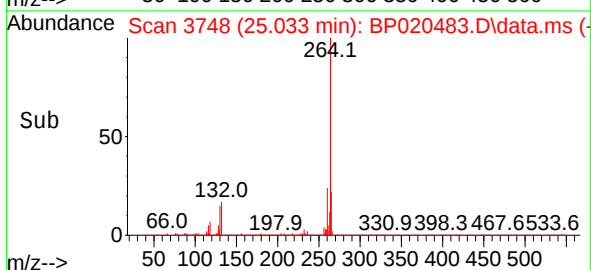
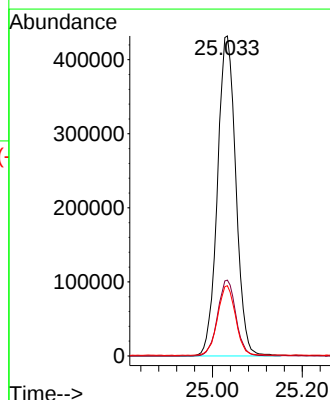
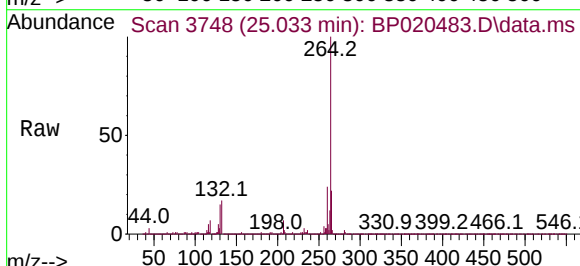
Tgt Ion:264 Resp: 1231273

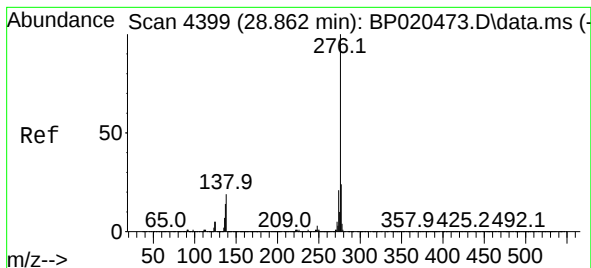
Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

265 21.9 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.732 ng

RT: 28.839 min Scan# 41

Delta R.T. -0.024 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOILDL

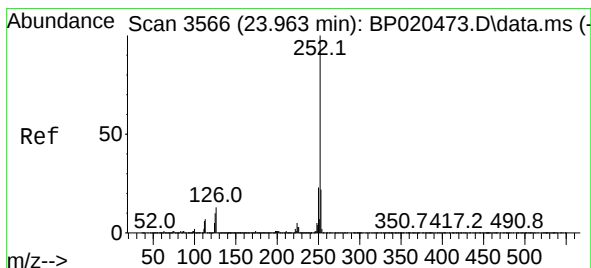
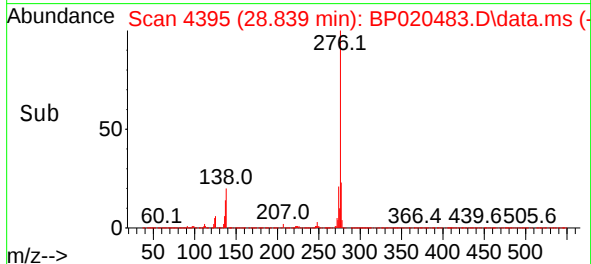
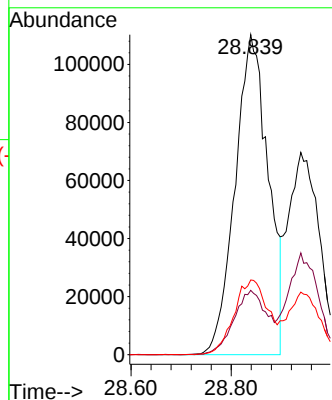
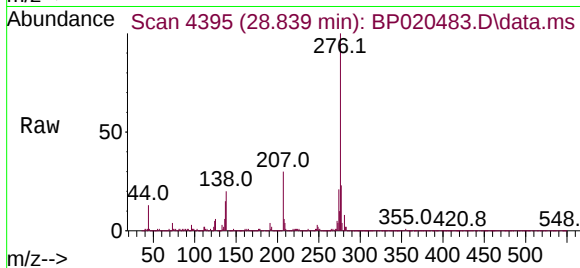
Tgt Ion:276 Resp: 504073

Ion Ratio Lower Upper

276 100

138 19.8 12.8 19.2#

277 23.8 15.6 23.4#



#88

Benzo(b)fluoranthene

Concen: 12.953 ng

RT: 24.039 min Scan# 3579

Delta R.T. 0.076 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

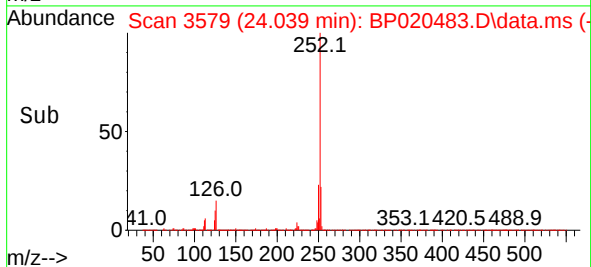
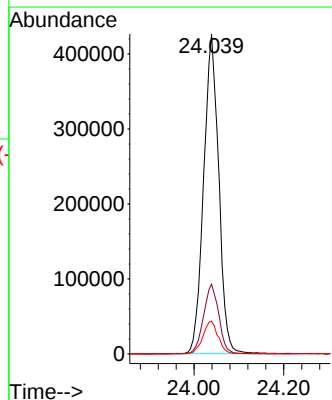
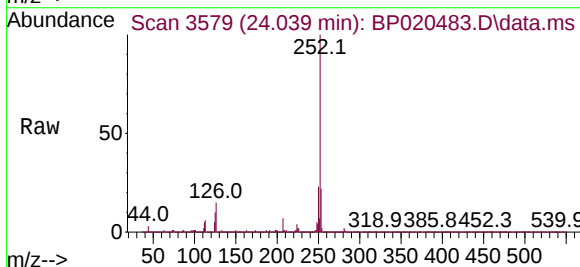
Tgt Ion:252 Resp: 993574

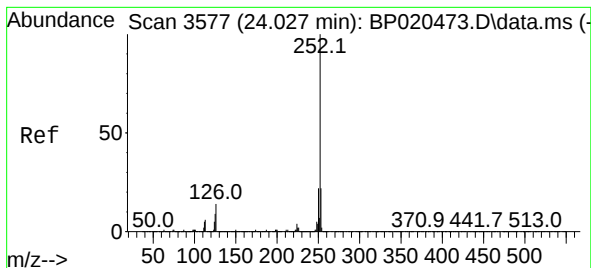
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 10.3 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 13.281 ng

RT: 24.039 min Scan# 30

Delta R.T. 0.012 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOILDL

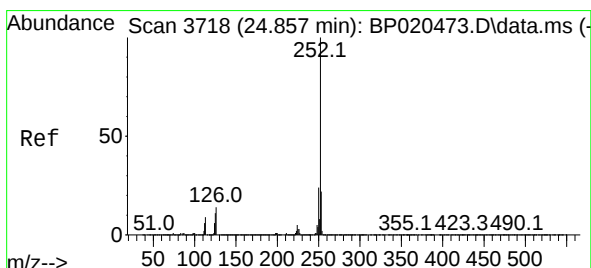
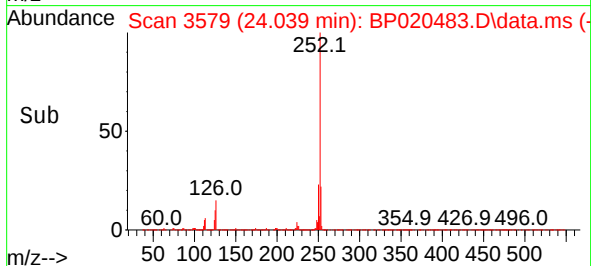
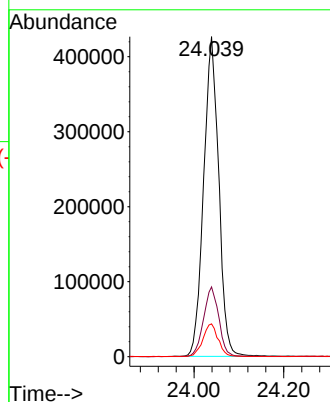
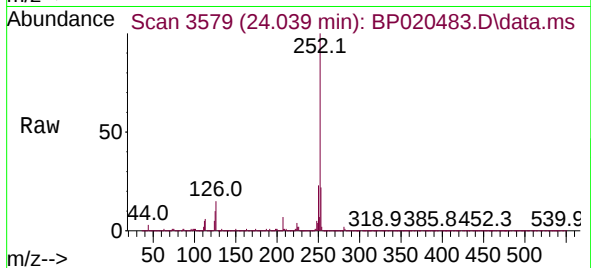
Tgt Ion:252 Resp: 993574

Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 10.3 7.8 11.6



#90

Benzo(a)pyrene

Concen: 7.637 ng

RT: 24.868 min Scan# 3720

Delta R.T. 0.012 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

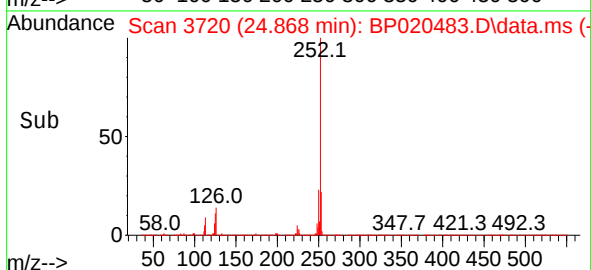
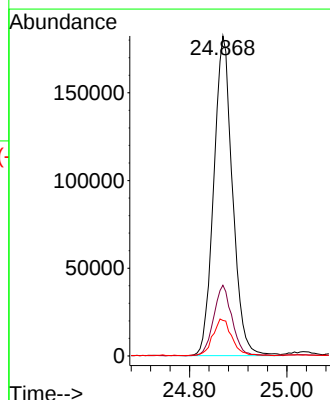
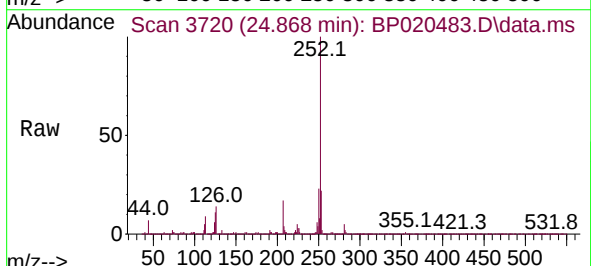
Tgt Ion:252 Resp: 485155

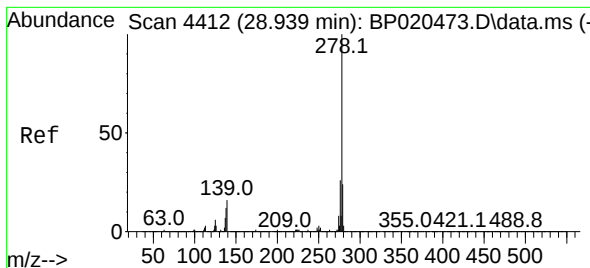
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 11.1 8.9 13.3





#91

Dibenzo(a,h)anthracene

Concen: 20.319 ng

RT: 28.939 min Scan# 4412

Delta R.T. -0.000 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOILDL

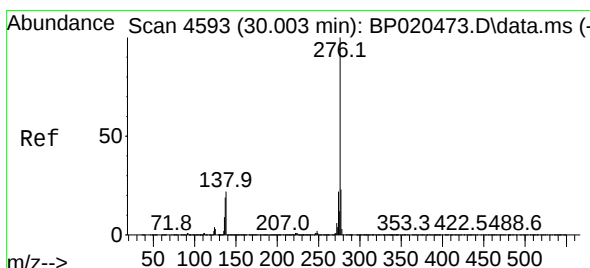
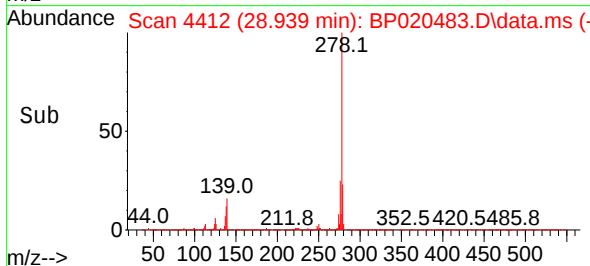
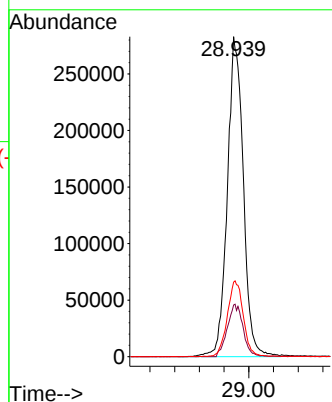
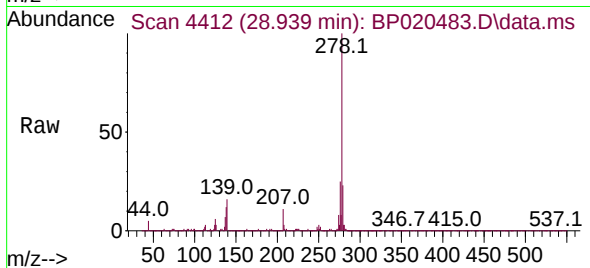
Tgt Ion:278 Resp: 1268917

Ion Ratio Lower Upper

278 100

139 16.2 13.0 19.4

279 23.3 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 13.273 ng

RT: 30.015 min Scan# 4595

Delta R.T. 0.012 min

Lab File: BP020483.D

Acq: 30 May 2024 12:25

Tgt Ion:276 Resp: 828555

Ion Ratio Lower Upper

276 100

277 23.5 18.7 28.1

138 21.2 17.7 26.5

