

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092520\
 Data File : BP003381.D
 Acq On : 25 Sep 2020 15:01
 Operator : CG/JU
 Sample : L4148-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CTB-WEST-SOIL-(MERL)

Quant Time: Sep 25 15:35:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 22 12:48:08 2020
 Response via : Initial Calibration

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

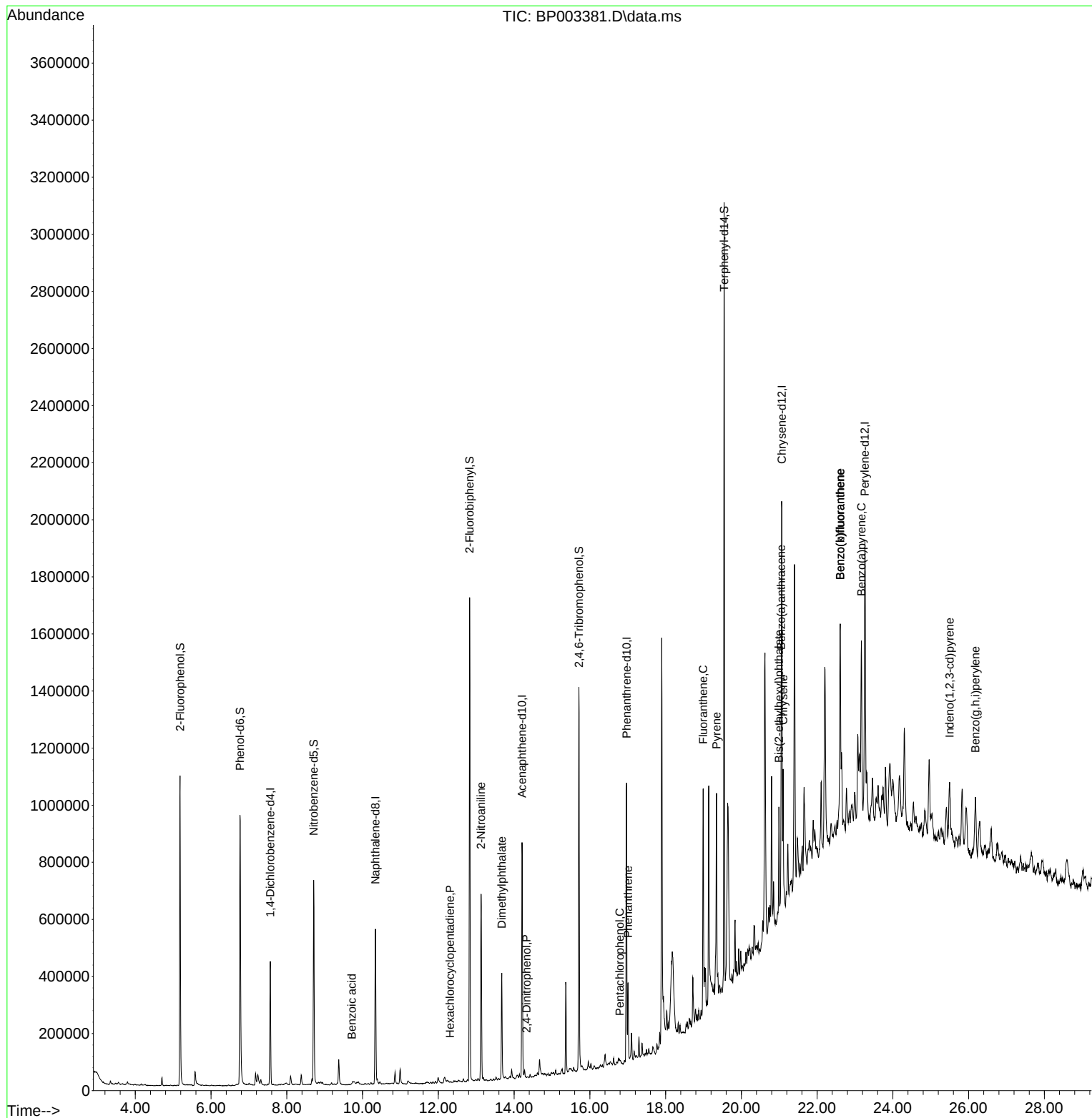
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.563	152	117855	20.00	ng	0.00
21) Naphthalene-d8	10.340	136	462033	20.00	ng	# 0.00
39) Acenaphthene-d10	14.210	164	282559	20.00	ng	-0.01
64) Phenanthrene-d10	16.969	188	595136	20.00	ng	# 0.00
76) Chrysene-d12	21.069	240	598205	20.00	ng	0.00
86) Perylene-d12	23.263	264	627163	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.181	112	542915	80.44	ng	0.00
7) Phenol-d6	6.763	99	680014	75.59	ng	0.00
23) Nitrobenzene-d5	8.710	82	446577	56.78	ng	-0.01
42) 2,4,6-Tribromophenol	15.716	330	273775	63.53	ng	0.00
45) 2-Fluorobiphenyl	12.828	172	873036	45.19	ng	-0.01
79) Terphenyl-d14	19.545	244	1146832	39.94	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.716	122	4134	9.92	ng	# 78
41) Hexachlorocyclopentadiene	12.310	237	22	6.85	ng	85
48) 2-Nitroaniline	13.128	65	12821	2.90	ng	# 1
50) Dimethylphthalate	13.675	163	242843	10.76	ng	99
54) 2,4-Dinitrophenol	14.328	184	25	7.26	ng	# 1
70) Pentachlorophenol	16.792	266	47	6.78	ng	90
71) Phenanthrene	17.010	178	168960	5.22	ng	100
75) Fluoranthene	18.992	202	444853	10.93	ng	99
78) Pyrene	19.345	202	415801	11.15	ng	100
81) Benzo(a)anthracene	21.051	228	306115	7.92	ng	99
83) Chrysene	21.104	228	271256	7.30	ng	98
84) Bis(2-ethylhexyl)phtha...	20.992	149	138637	5.77	ng	98
87) Indeno(1,2,3-cd)pyrene	25.498	276	204357	4.30	ng	96
88) Benzo(b)fluoranthene	22.610	252	542752	13.70	ng	# 92
89) Benzo(k)fluoranthene	22.610	252	542752	14.30	ng	# 92
90) Benzo(a)pyrene	23.169	252	277123	7.42	ng	# 93
92) Benzo(g,h,i)perylene	26.180	276	213562	5.45	ng	96

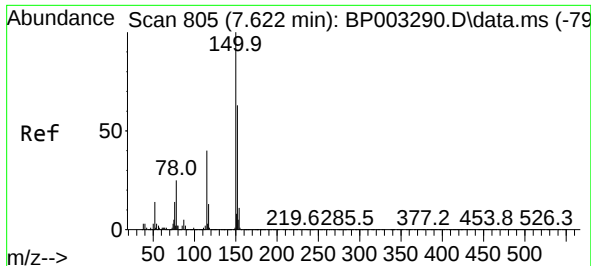
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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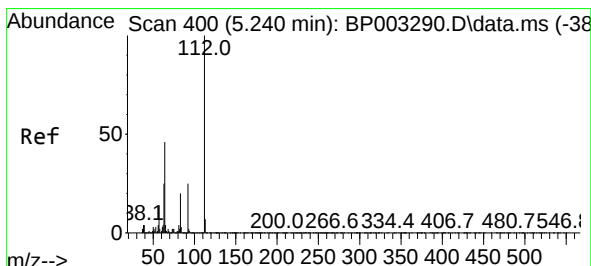
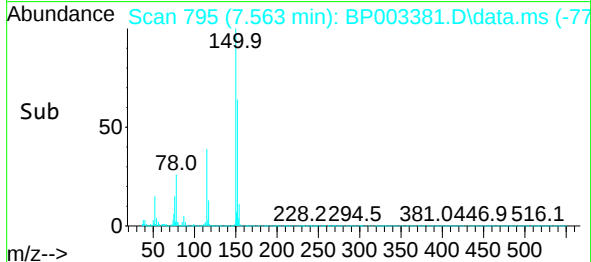
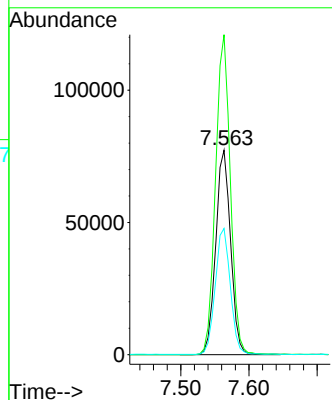
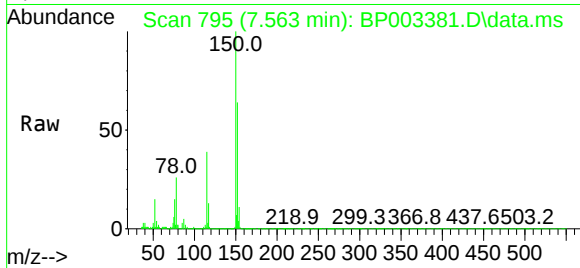




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.563 min Scan# 795
Delta R.T. -0.006 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

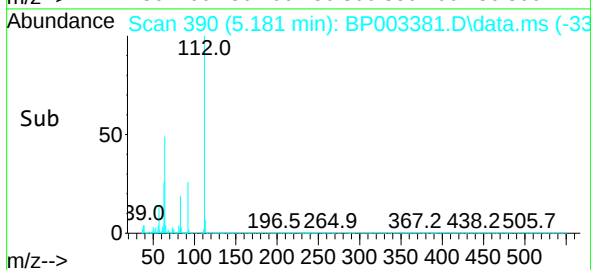
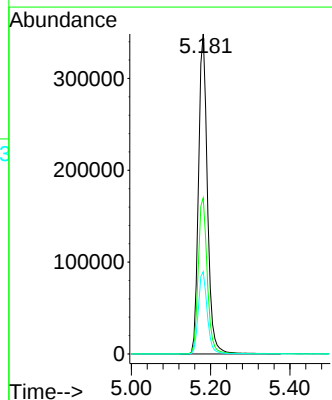
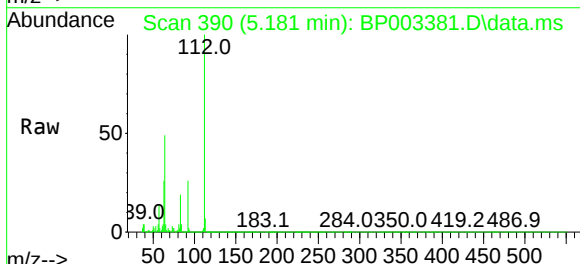
Instrument :
BNA_P
ClientSampleId :
CTB-WEST-SOIL-(MERL)

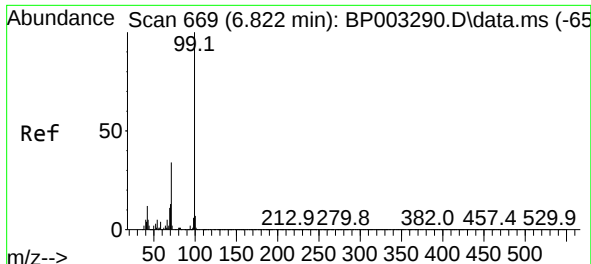
Tgt Ion:152 Resp: 117855
Ion Ratio Lower Upper
152 100
150 156.5 123.8 185.6
115 61.7 43.8 65.6



#5
2-Fluorophenol
Concen: 80.44 ng
RT: 5.181 min Scan# 390
Delta R.T. 0.000 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

Tgt Ion:112 Resp: 542915
Ion Ratio Lower Upper
112 100
64 48.8 32.8 49.2
63 25.7 17.0 25.4#

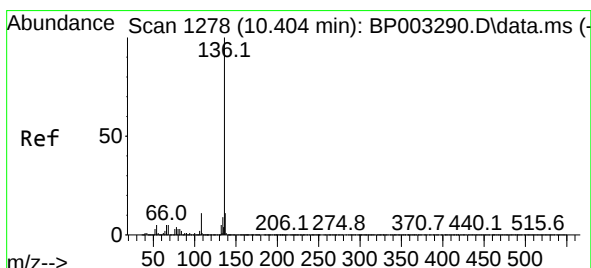
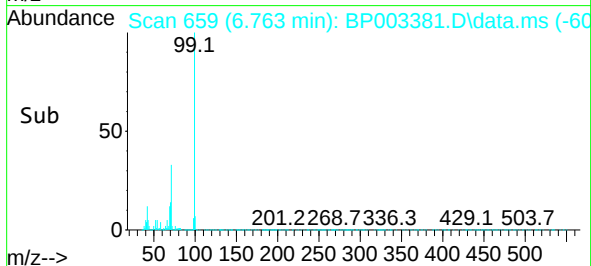
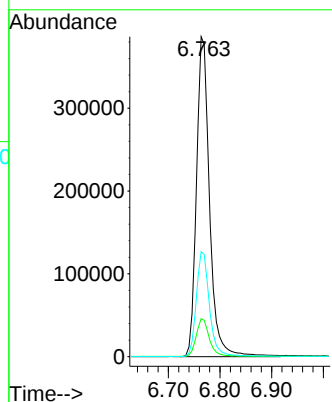
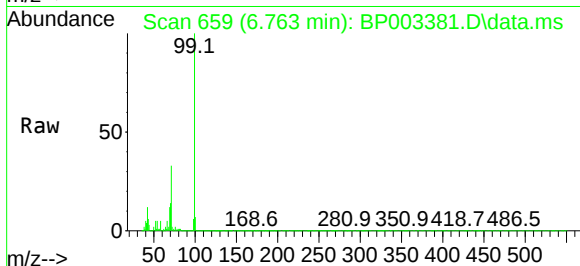




#7
Phenol-d6
Concen: 75.59 ng
RT: 6.763 min Scan# 659
Delta R.T. -0.006 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

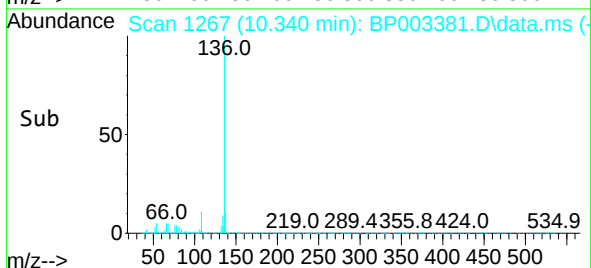
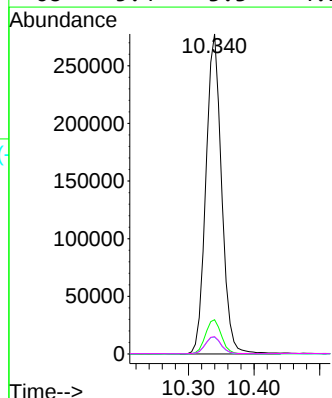
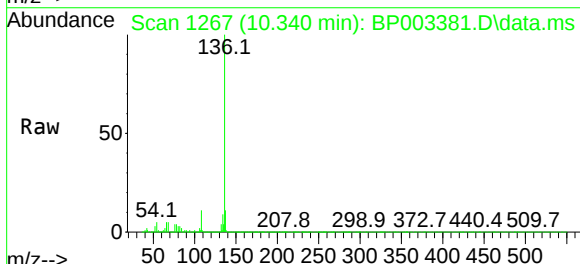
Instrument :
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ClientSampleId :
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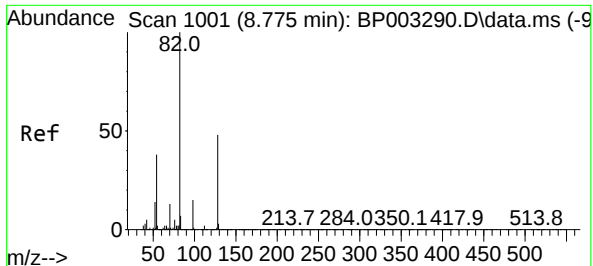
Tgt Ion:	99	Resp:	680014
Ion Ratio	Lower	Upper	
99	100		
42	11.9	8.6	13.0
71	32.8	23.4	35.2



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.340 min Scan# 1267
Delta R.T. -0.006 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

Tgt Ion:	136	Resp:	462033
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.6	13.0
54	5.2	3.6	5.4
68	5.4	3.3	4.9

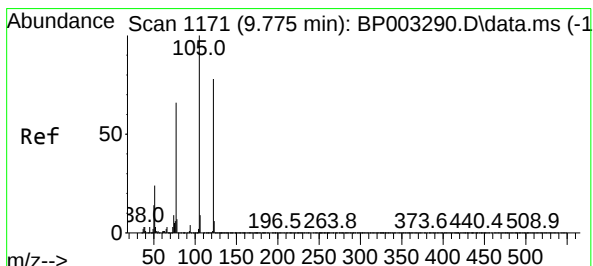
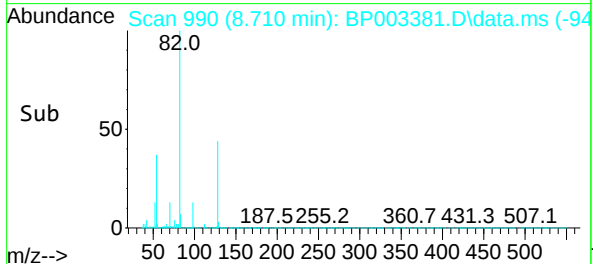
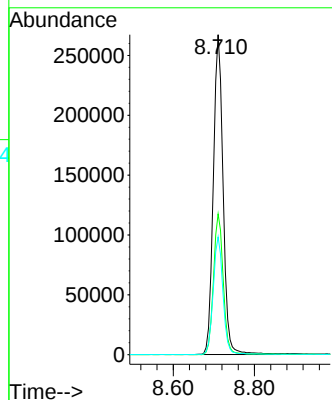
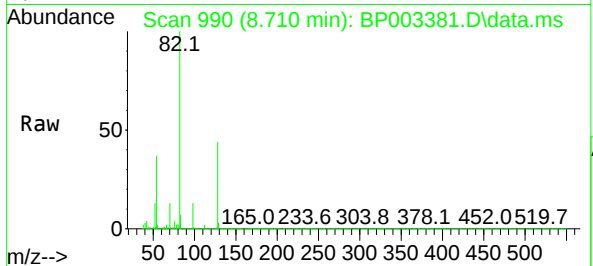




#23
Nitrobenzene-d5
Concen: 56.78 ng
RT: 8.710 min Scan# 990
Delta R.T. -0.012 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

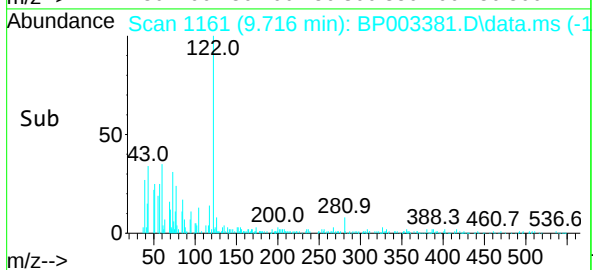
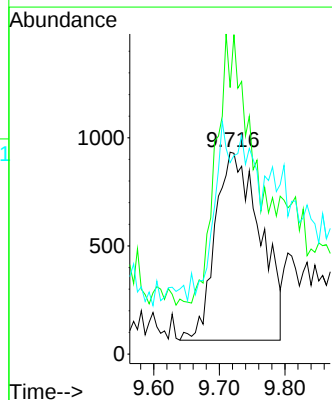
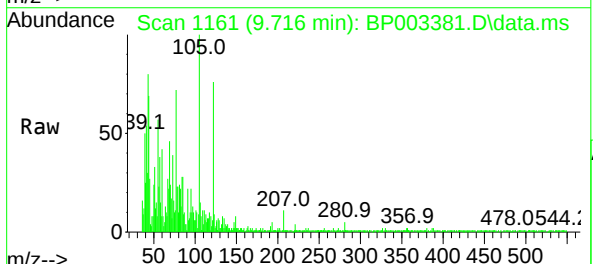
Instrument :
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ClientSampleId :
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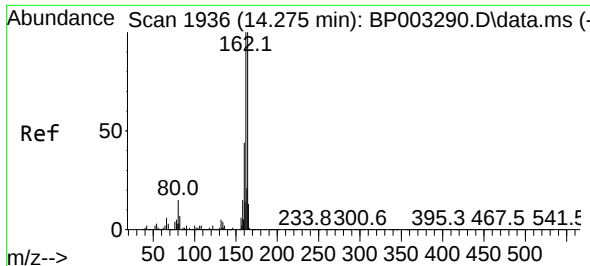
Tgt Ion: 82 Resp: 446577
Ion Ratio Lower Upper
82 100
128 44.0 45.6 68.4#
54 36.8 30.1 45.1



#32
Benzoic acid
Concen: 9.92 ng
RT: 9.716 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

Tgt Ion: 122 Resp: 4134
Ion Ratio Lower Upper
122 100
105 132.0 94.1 134.1
77 94.9 50.1 90.1#

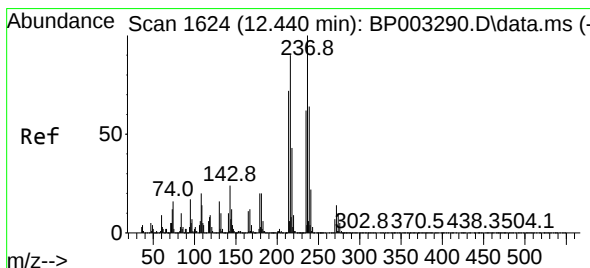
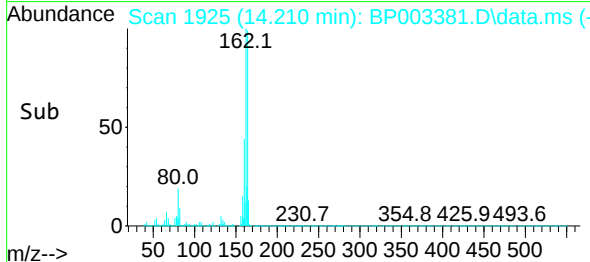
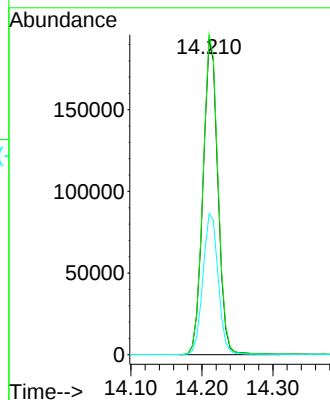
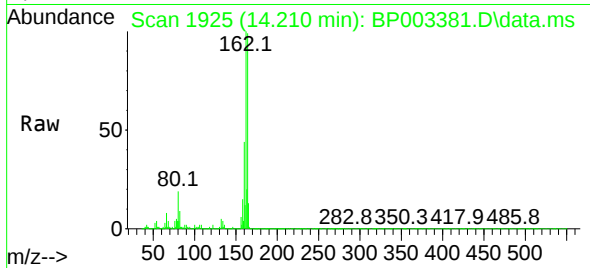




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.210 min Scan# 1925
Delta R.T. -0.012 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

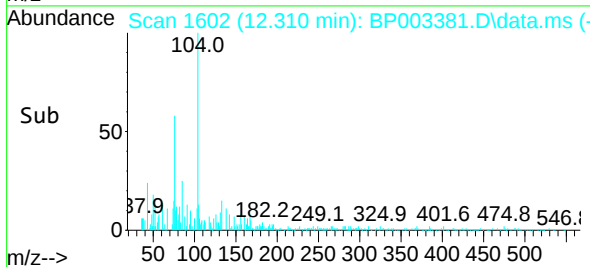
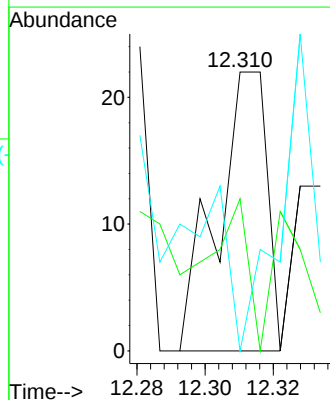
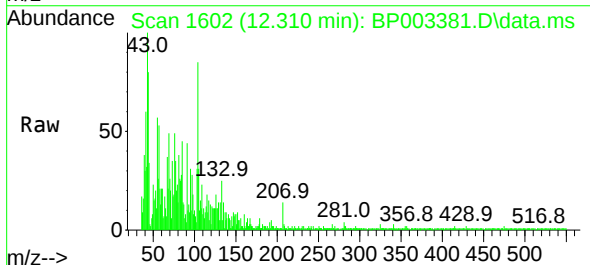
Instrument :
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ClientSampleId :
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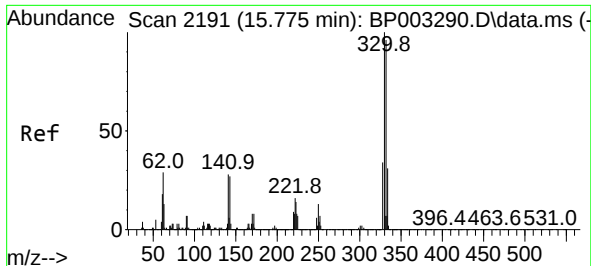
Tgt Ion:164 Resp: 282559
Ion Ratio Lower Upper
164 100
162 101.4 79.4 119.2
160 44.7 36.1 54.1



#41
Hexachlorocyclopentadiene
Concen: 6.85 ng
RT: 12.310 min Scan# 1602
Delta R.T. -0.071 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

Tgt Ion:237 Resp: 22
Ion Ratio Lower Upper
237 100
235 54.5 43.2 83.2
272 0.0 0.0 33.3

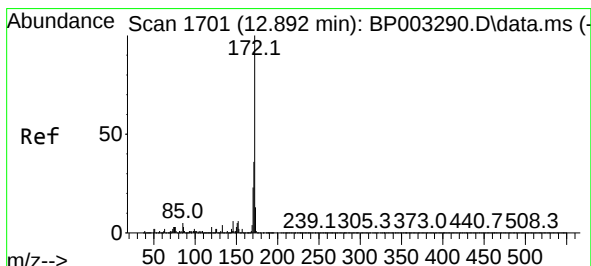
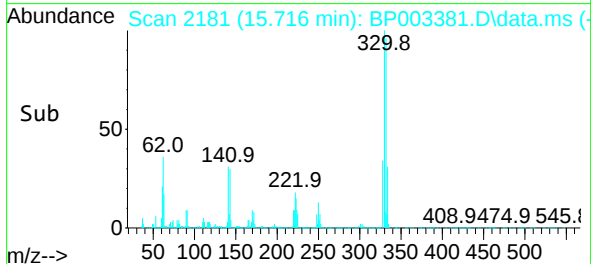
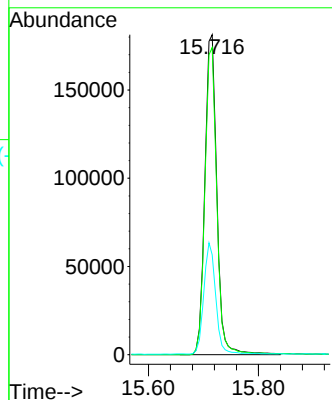
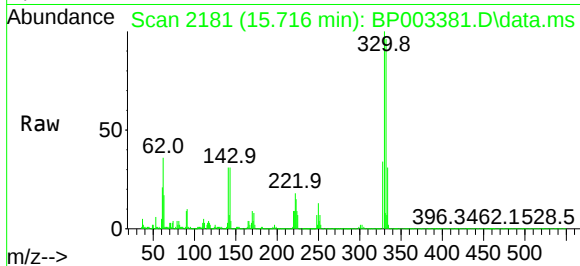




#42
2,4,6-Tribromophenol
Concen: 63.53 ng
RT: 15.716 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

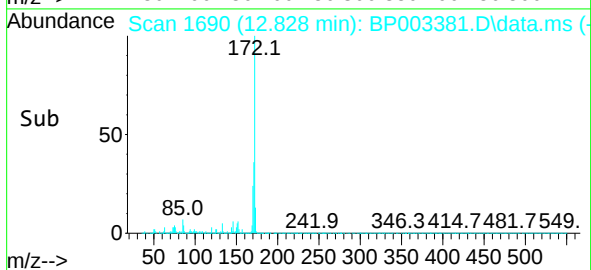
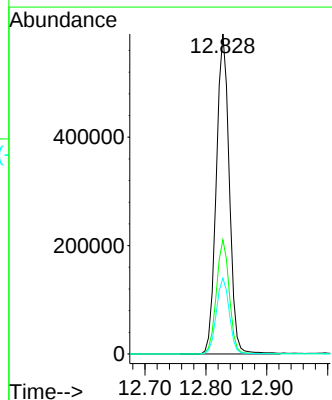
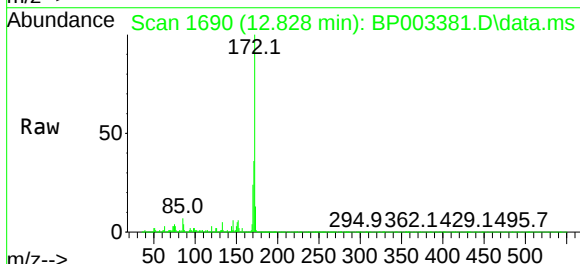
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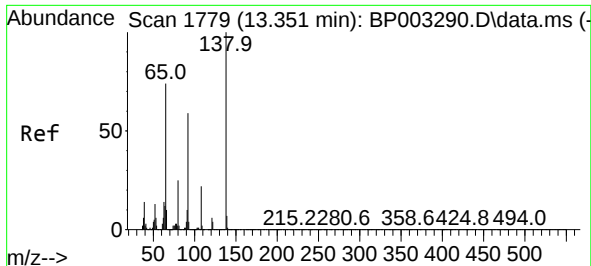
Tgt Ion:330 Resp: 273775
Ion Ratio Lower Upper
330 100
332 96.2 77.1 115.7
141 34.6 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 45.19 ng
RT: 12.828 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

Tgt Ion:172 Resp: 873036
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 23.7 19.2 28.8

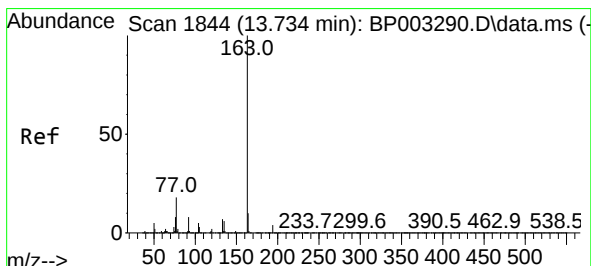
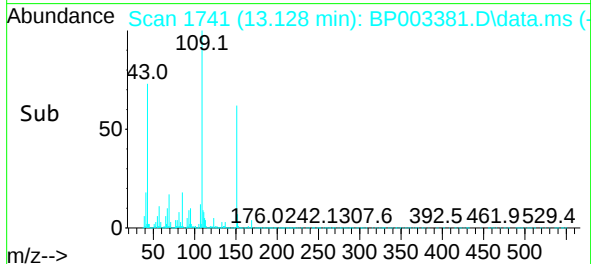
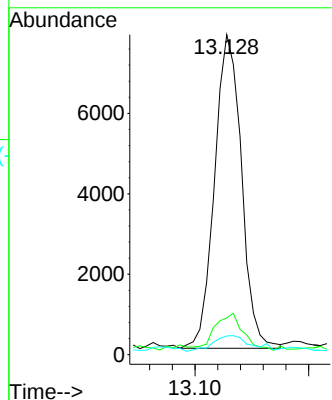
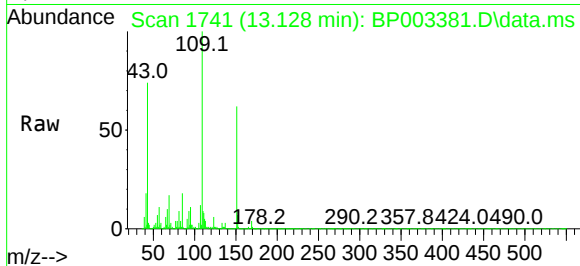




#48
2-Nitroaniline
Concen: 2.90 ng
RT: 13.128 min Scan# 1741
Delta R.T. -0.170 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

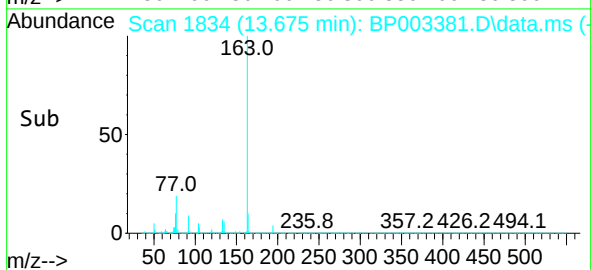
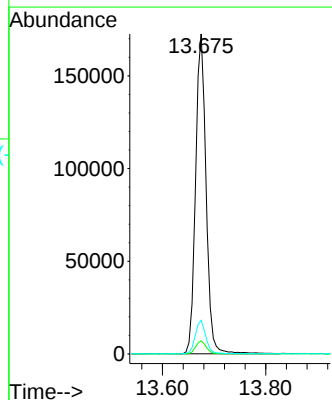
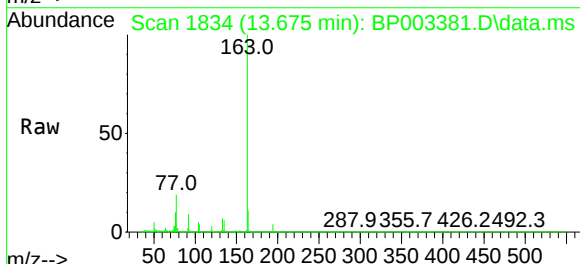
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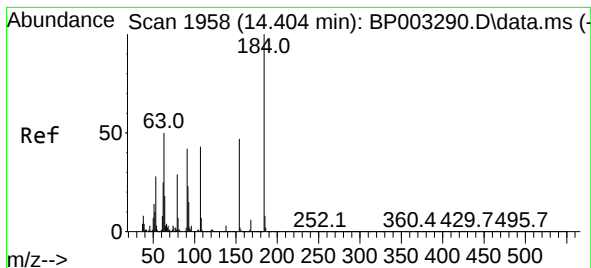
Tgt Ion: 65 Resp: 12821
Ion Ratio Lower Upper
65 100
92 11.5 70.6 106.0#
138 5.8 133.6 200.4#



#50
Dimethylphthalate
Concen: 10.76 ng
RT: 13.675 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

Tgt Ion: 163 Resp: 242843
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.5 8.2 12.2

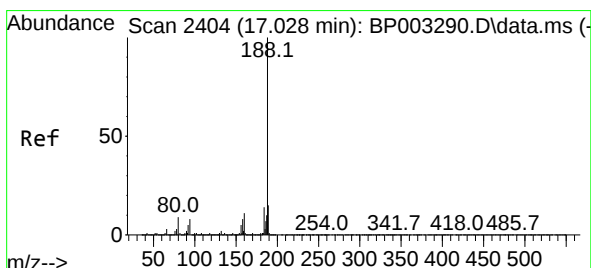
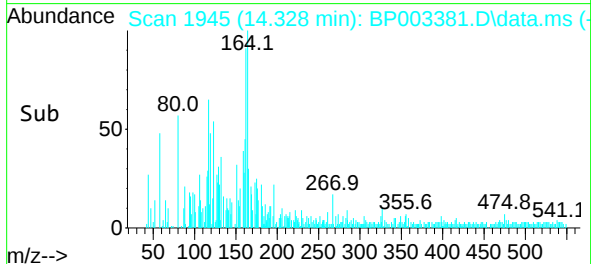
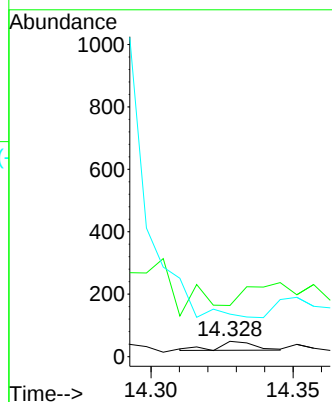
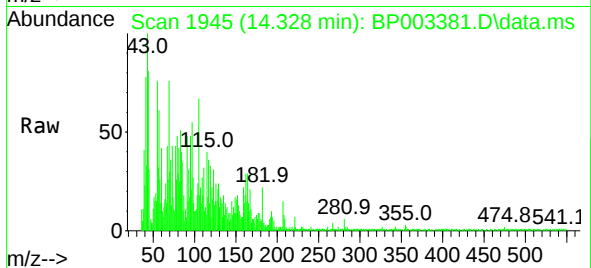




#54
2,4-Dinitrophenol
Concen: 7.26 ng
RT: 14.328 min Scan# 1945
Delta R.T. -0.029 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

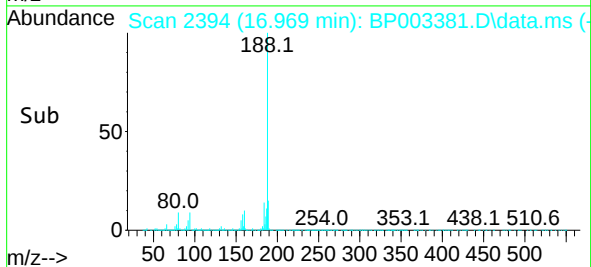
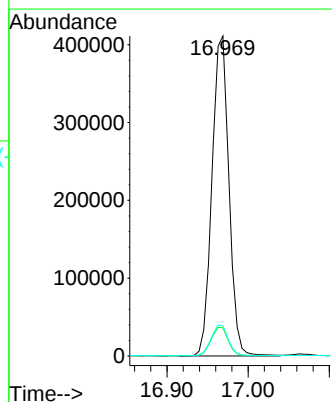
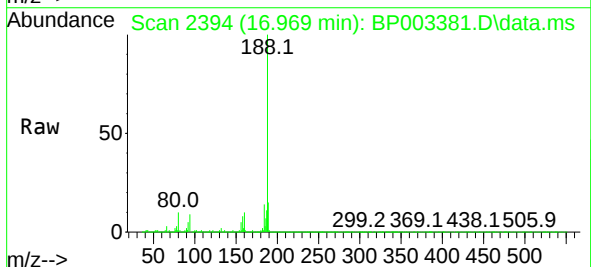
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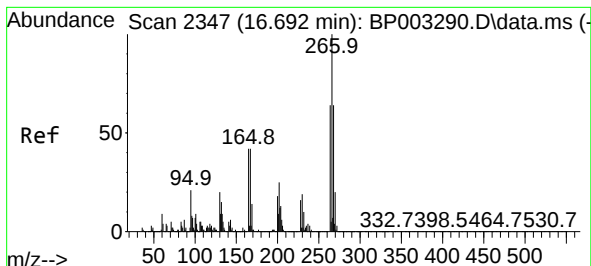
Tgt Ion:184 Resp: 25
Ion Ratio Lower Upper
184 100
63 334.7 32.3 48.5#
154 277.6 49.1 73.7#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.969 min Scan# 2394
Delta R.T. -0.006 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

Tgt Ion:188 Resp: 595136
Ion Ratio Lower Upper
188 100
94 8.8 6.2 9.2
80 9.5 6.2 9.2#

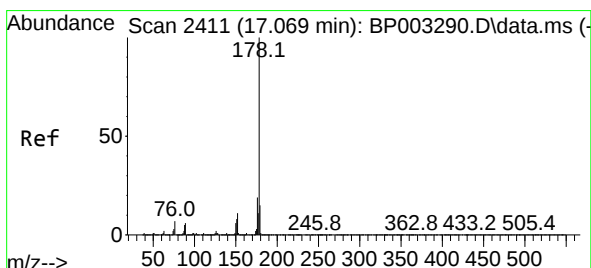
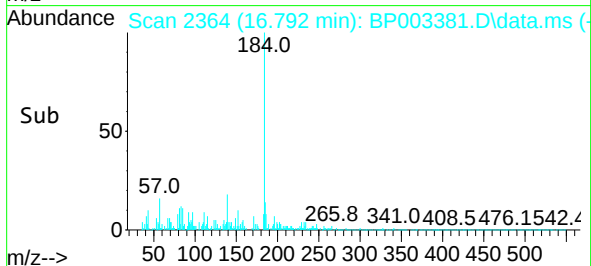
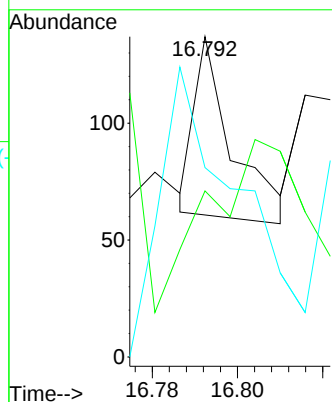
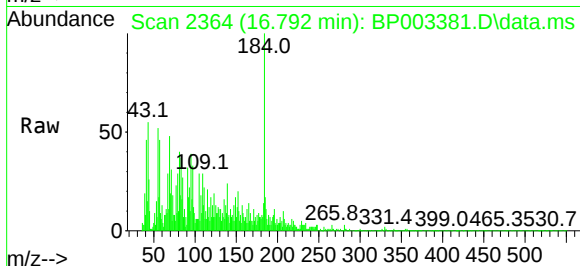




#70
Pentachlorophenol
Concen: 6.78 ng
RT: 16.792 min Scan# 2364
Delta R.T. 0.153 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

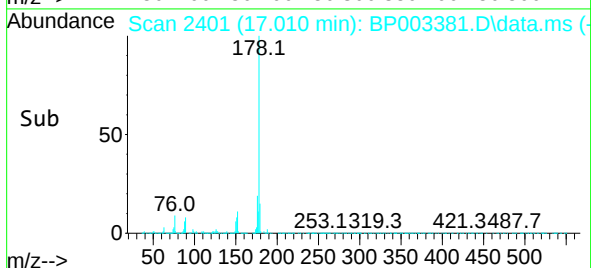
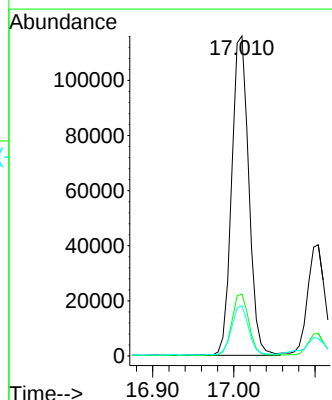
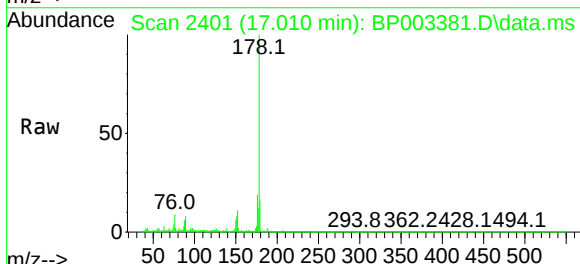
Instrument :
BNA_P
ClientSampleId :
CTB-WEST-SOIL-(MERL)

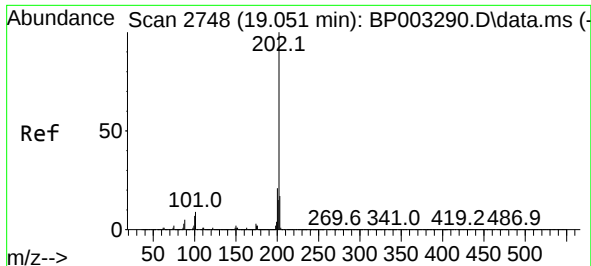
Tgt Ion:266 Resp: 47
Ion Ratio Lower Upper
266 100
268 51.8 51.1 76.7
264 59.1 50.6 76.0



#71
Phenanthrene
Concen: 5.22 ng
RT: 17.010 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

Tgt Ion:178 Resp: 168960
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.7 12.5 18.7

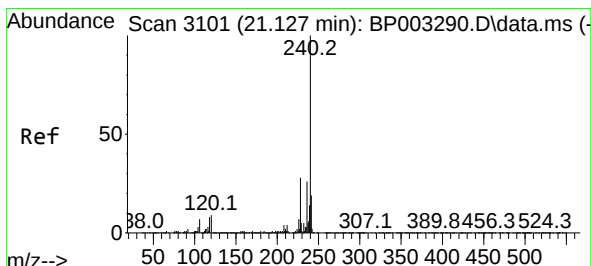
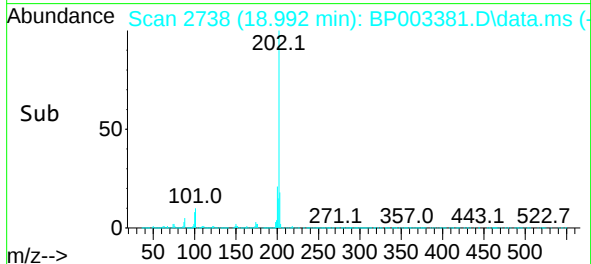
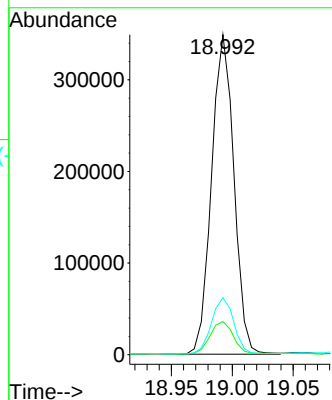
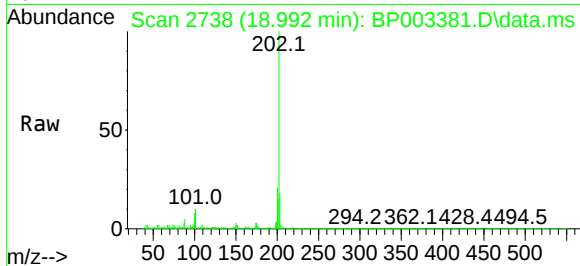




#75
Fluoranthene
Concen: 10.93 ng
RT: 18.992 min Scan# 2738
Delta R.T. -0.006 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

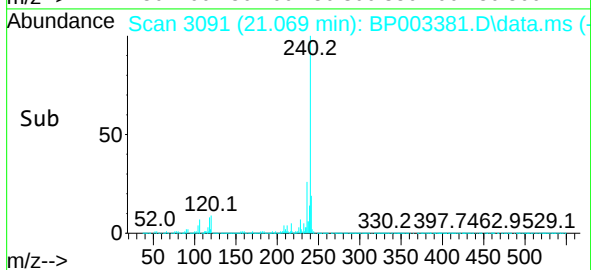
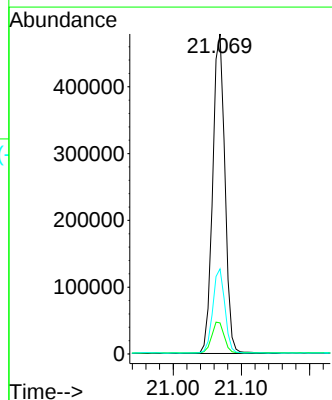
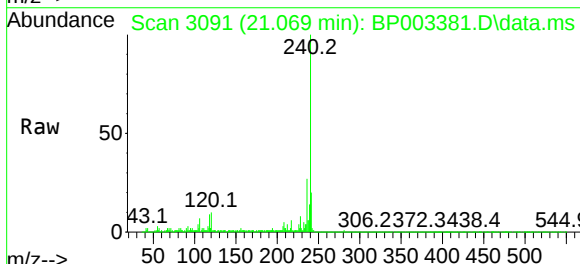
Instrument :
BNA_P
ClientSampleId :
CTB-WEST-SOIL-(MERL)

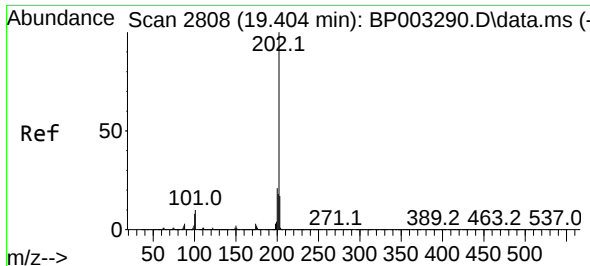
Tgt Ion:202	Resp: 444853
Ion Ratio	Lower Upper
202 100	
101 10.3	0.0 29.4
203 17.8	0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.069 min Scan# 3091
Delta R.T. 0.000 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

Tgt Ion:240	Resp: 598205
Ion Ratio	Lower Upper
240 100	
120 9.7	7.8 11.6
236 26.6	20.8 31.2

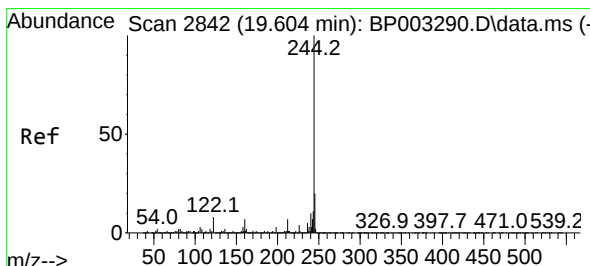
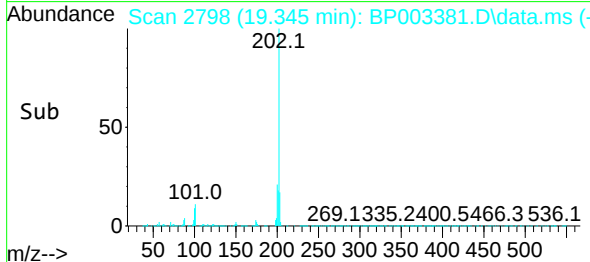
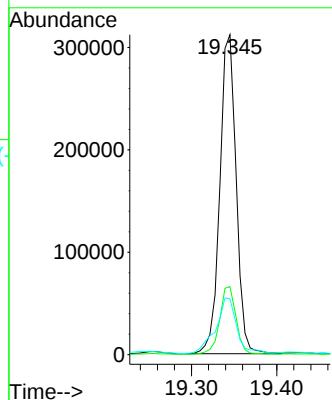
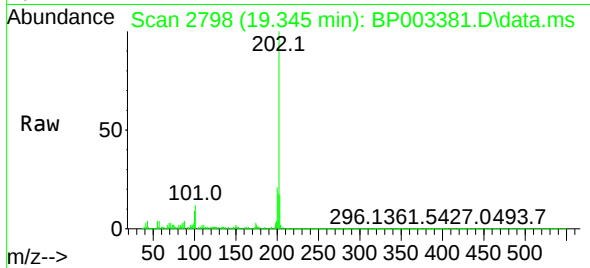




#78
Pyrene
Concen: 11.15 ng
RT: 19.345 min Scan# 2798
Delta R.T. -0.006 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

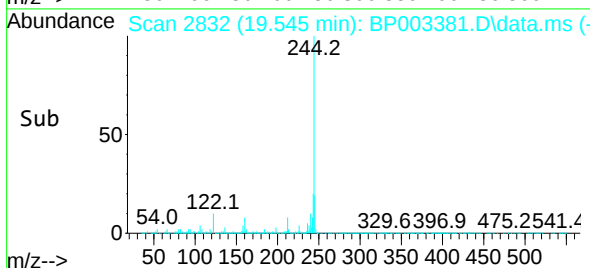
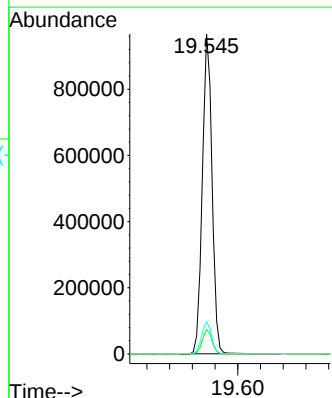
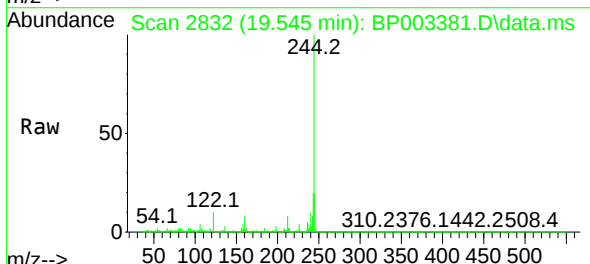
Instrument :
BNA_P
ClientSampleId :
CTB-WEST-SOIL-(MERL)

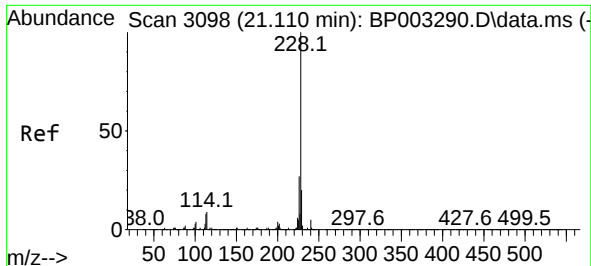
Tgt Ion:202 Resp: 415801
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 17.5 14.2 21.2



#79
Terphenyl-d14
Concen: 39.94 ng
RT: 19.545 min Scan# 2832
Delta R.T. -0.006 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

Tgt Ion:244 Resp: 1146832
Ion Ratio Lower Upper
244 100
212 7.6 5.8 8.6
122 10.0 7.8 11.8

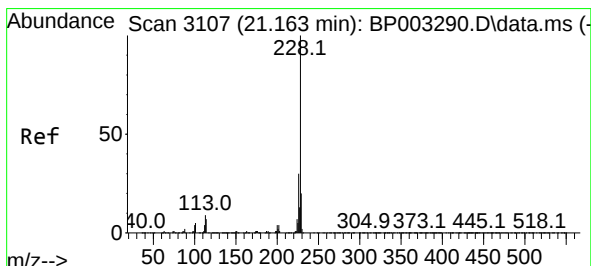
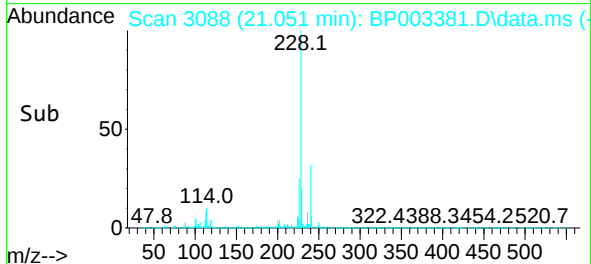
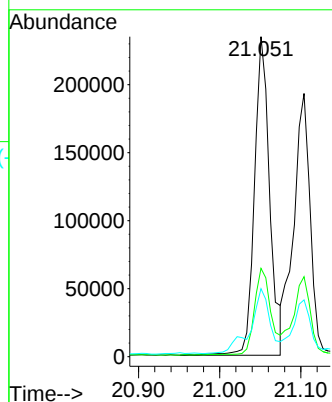
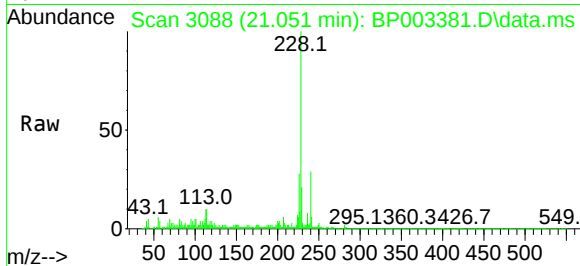




#81
Benzo(a)anthracene
Concen: 7.92 ng
RT: 21.051 min Scan# 3088
Delta R.T. -0.006 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

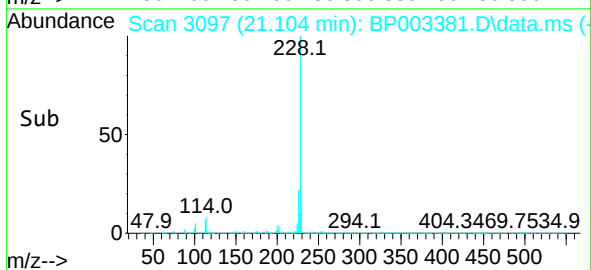
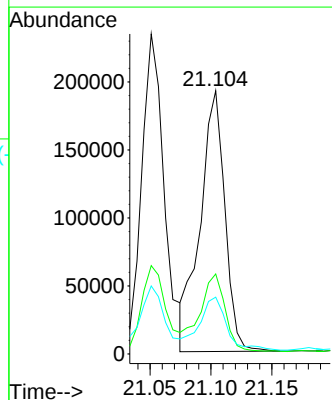
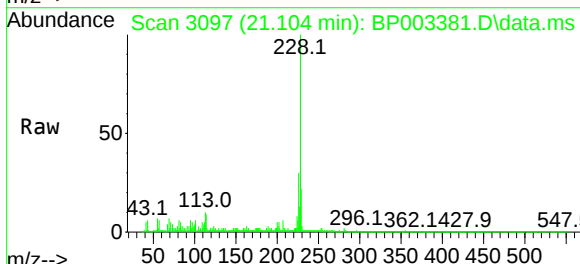
Instrument :
BNA_P
ClientSampleId :
CTB-WEST-SOIL-(MERL)

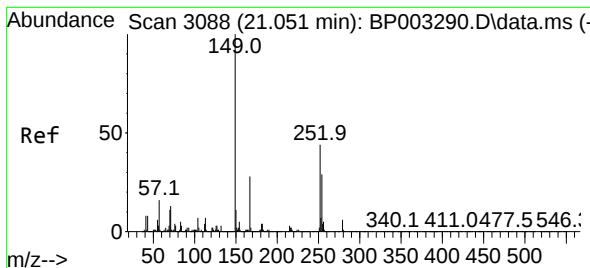
Tgt Ion:228 Resp: 306115
Ion Ratio Lower Upper
228 100
226 27.6 22.1 33.1
229 21.2 15.9 23.9



#83
Chrysene
Concen: 7.30 ng
RT: 21.104 min Scan# 3097
Delta R.T. 0.000 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

Tgt Ion:228 Resp: 271256
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 21.6 15.8 23.6

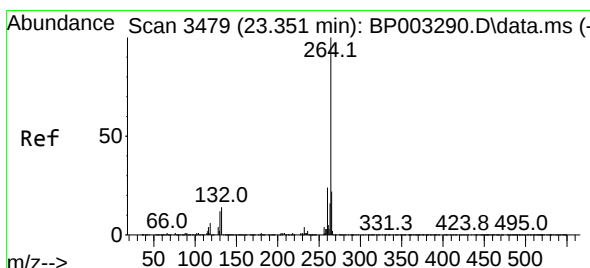
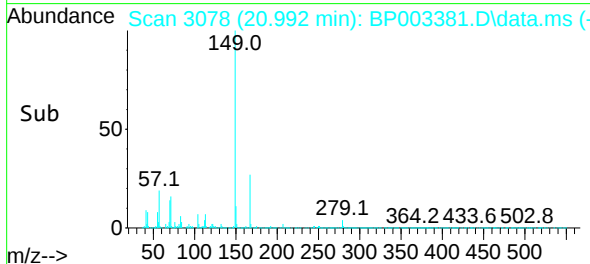
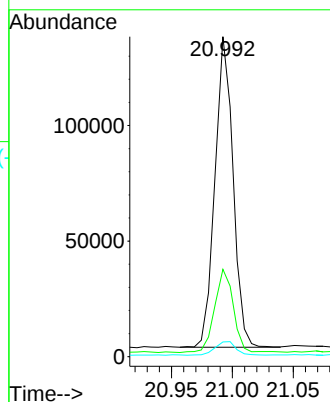
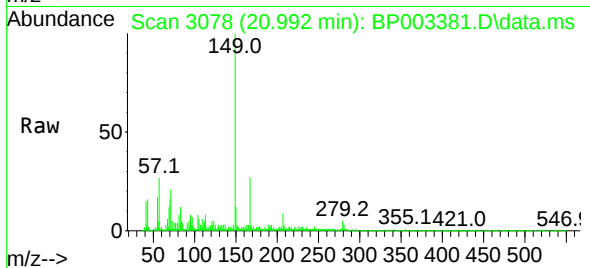




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.77 ng
RT: 20.992 min Scan# 3078
Delta R.T. -0.006 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

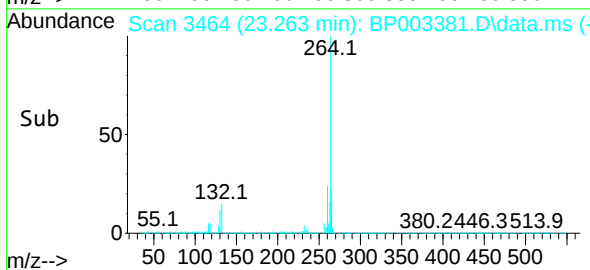
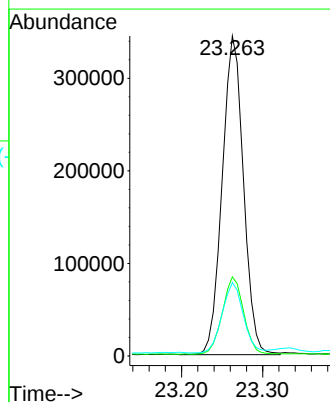
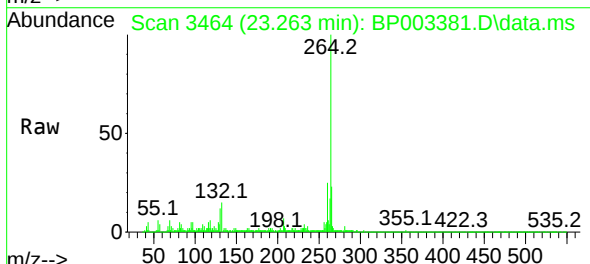
Instrument :
BNA_P
ClientSampleId :
CTB-WEST-SOIL-(MERL)

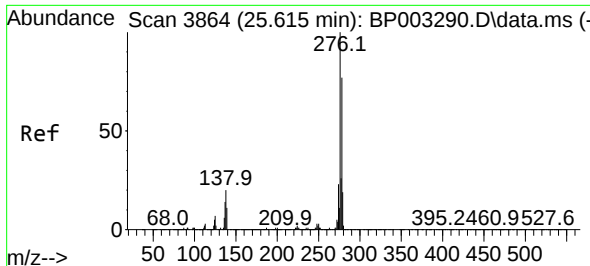
Tgt Ion:149 Resp: 138637
Ion Ratio Lower Upper
149 100
167 27.3 22.6 34.0
279 4.6 4.2 6.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.263 min Scan# 3464
Delta R.T. 0.000 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

Tgt Ion:264 Resp: 627163
Ion Ratio Lower Upper
264 100
260 24.7 18.8 28.2
265 23.0 17.4 26.2

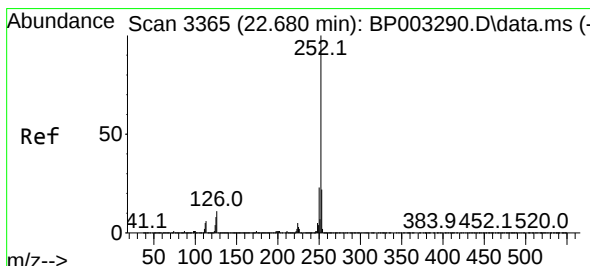
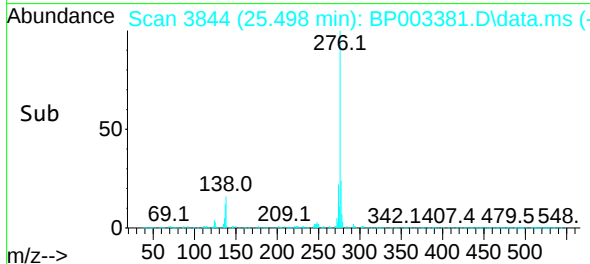
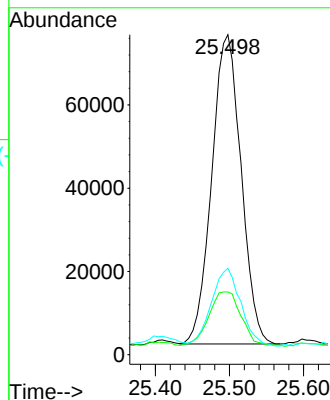
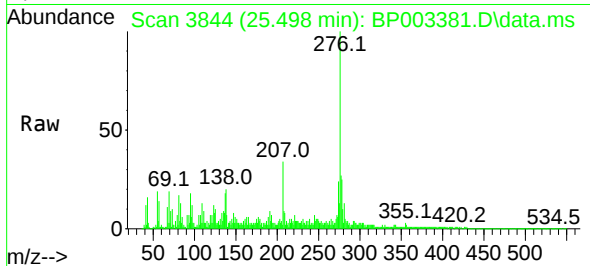




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.30 ng
RT: 25.498 min Scan# 3844
Delta R.T. 0.006 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

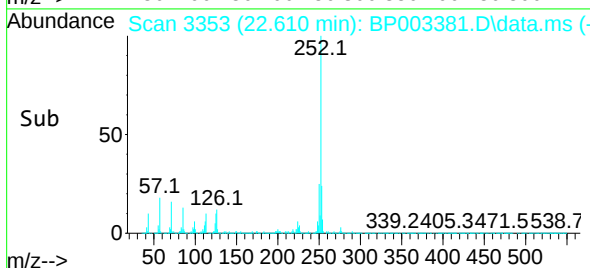
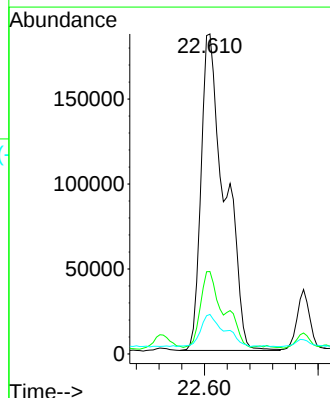
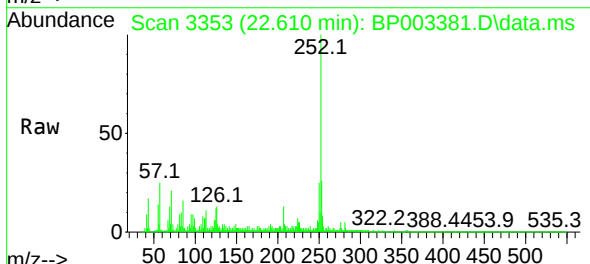
Instrument :
BNA_P
ClientSampleId :
CTB-WEST-SOIL-(MERL)

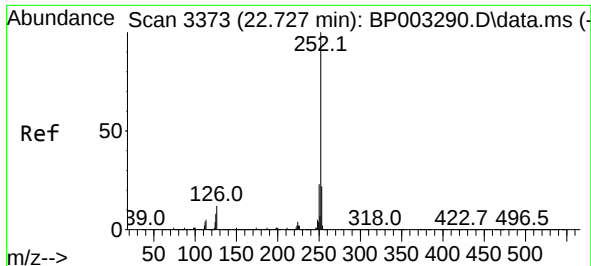
Tgt Ion:276 Resp: 204357
Ion Ratio Lower Upper
276 100
138 19.8 18.7 28.1
277 25.2 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 13.70 ng
RT: 22.610 min Scan# 3353
Delta R.T. 0.006 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

Tgt Ion:252 Resp: 542752
Ion Ratio Lower Upper
252 100
253 25.8 17.6 26.4
125 12.4 7.3 10.9#

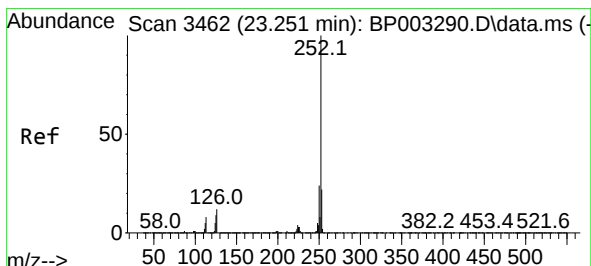
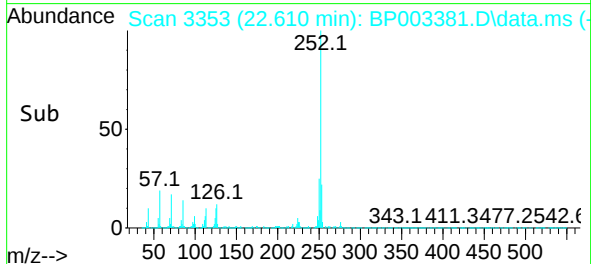
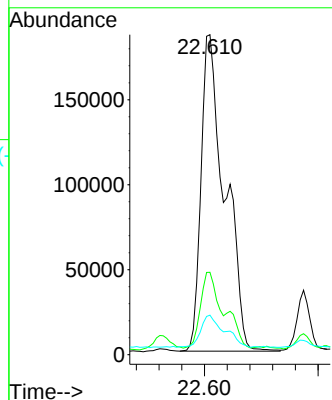
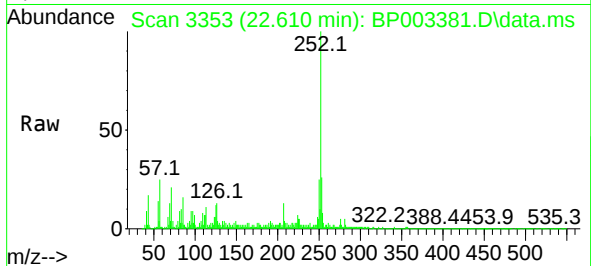




#89
Benzo(k)fluoranthene
Concen: 14.30 ng
RT: 22.610 min Scan# 3353
Delta R.T. -0.041 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

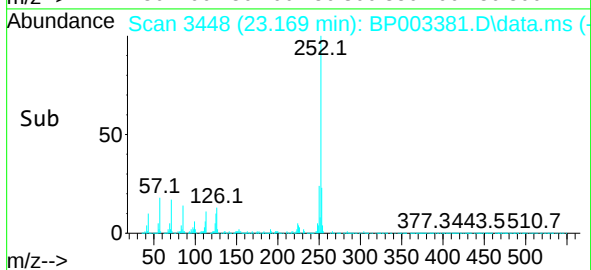
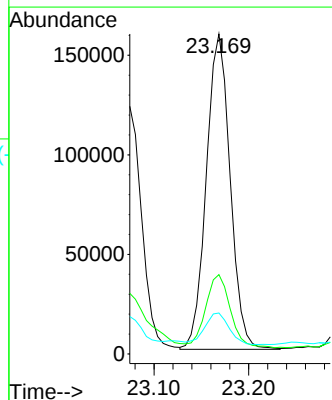
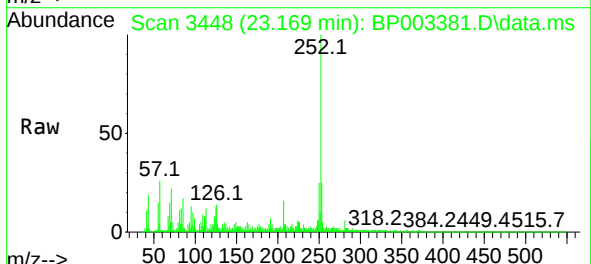
Instrument :
BNA_P
ClientSampleId :
CTB-WEST-SOIL-(MERL)

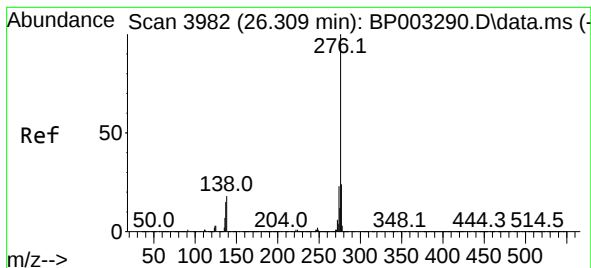
Tgt Ion:252 Resp: 542752
Ion Ratio Lower Upper
252 100
253 25.8 17.8 26.8
125 12.4 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 7.42 ng
RT: 23.169 min Scan# 3448
Delta R.T. 0.000 min
Lab File: BP003381.D
Acq: 25 Sep 2020 15:01

Tgt Ion:252 Resp: 277123
Ion Ratio Lower Upper
252 100
253 24.8 17.4 26.0
125 12.8 8.2 12.4#





#92

Benzo(g,h,i)perylene

Concen: 5.45 ng

RT: 26.180 min Scan# 3960

Delta R.T. 0.018 min

Lab File: BP003381.D

Acq: 25 Sep 2020 15:01

Instrument :

BNA_P

ClientSampleId :

CTB-WEST-SOIL-(MERL)

Tgt Ion:276 Resp: 213562

Ion Ratio Lower Upper

276 100

277 26.3 19.0 28.6

138 19.8 16.6 24.8

