

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
 Data File : BP003420.D
 Acq On : 30 Sep 2020 18:55
 Operator : CG/JU
 Sample : L4179-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-9(12-14)

Quant Time: Oct 01 02:16:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 30 17:14:02 2020
 Response via : Initial Calibration

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

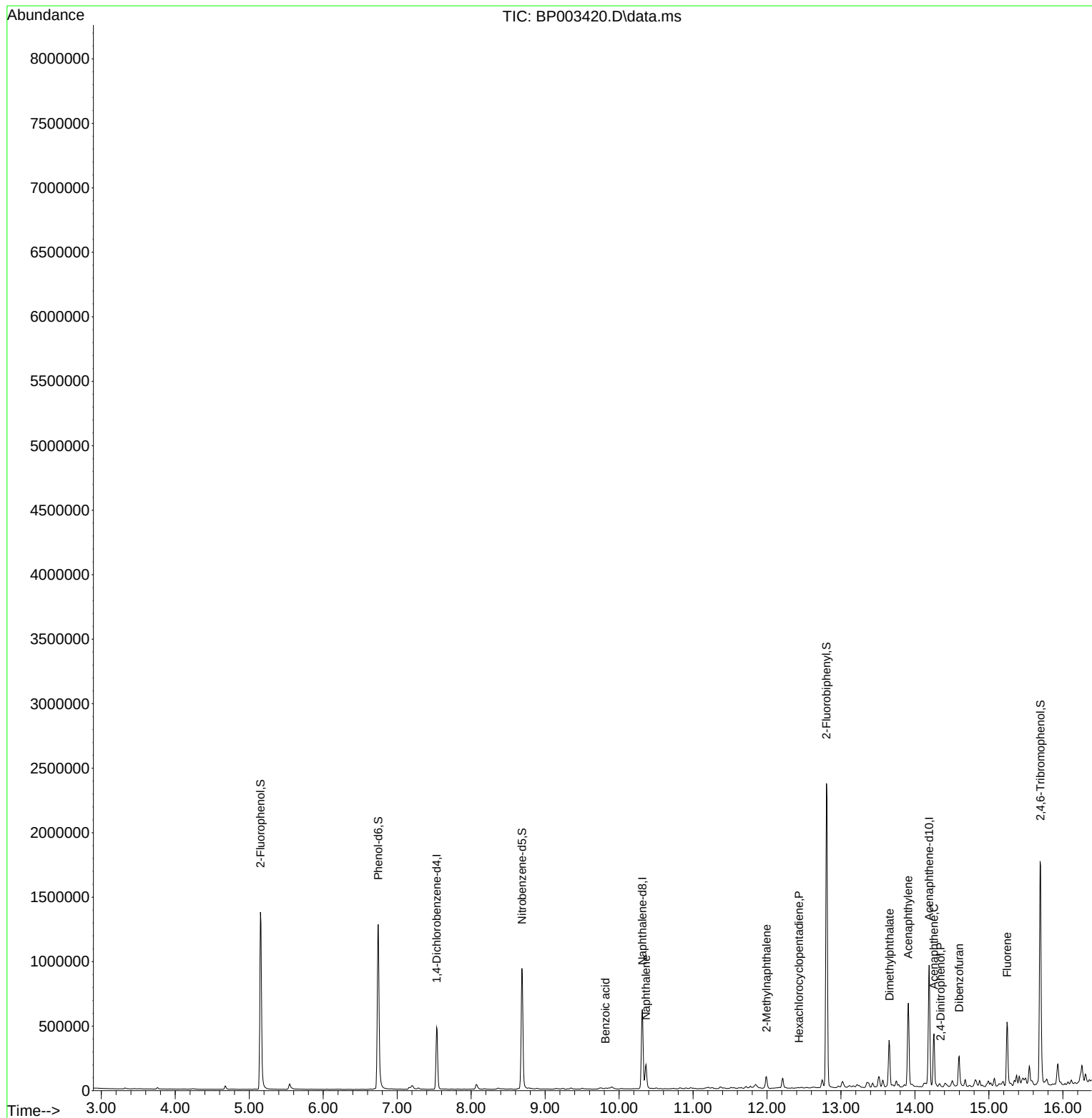
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.534	152	132967	20.00	ng	0.00
21) Naphthalene-d8	10.316	136	526283	20.00	ng	# 0.00
39) Acenaphthene-d10	14.193	164	315297	20.00	ng	0.00
64) Phenanthrene-d10	16.951	188	661732	20.00	ng	# 0.00
76) Chrysene-d12	21.075	240	513751	20.00	ng	0.01
86) Perylene-d12	23.375	264	554265	20.00	ng	# 0.12
System Monitoring Compounds						
5) 2-Fluorophenol	5.152	112	688789	90.45	ng	0.00
7) Phenol-d6	6.746	99	876600	86.36	ng	0.00
23) Nitrobenzene-d5	8.687	82	588869	65.73	ng	0.00
42) 2,4,6-Tribromophenol	15.698	330	328861	68.38	ng	0.00
45) 2-Fluorobiphenyl	12.804	172	1236874	57.37	ng	0.00
79) Terphenyl-d14	19.539	244	1536862	62.33	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.363	128	150604	5.42	ng	99
32) Benzoic acid	9.816	122	377	9.22	ng	# 42
37) 2-Methylnaphthalene	11.993	142	43279	2.15	ng	# 94
41) Hexachlorocyclopentadiene	12.434	237	22	6.85	ng	82
49) Acenaphthylene	13.910	152	471194	15.84	ng	100
50) Dimethylphthalate	13.657	163	176693	7.02	ng	99
52) Acenaphthene	14.257	154	142589	7.87	ng	99
54) 2,4-Dinitrophenol	14.346	184	63	7.27	ng	# 1
55) Dibenzofuran	14.598	168	132465	4.58	ng	94
58) Fluorene	15.246	166	216090	9.47	ng	99
70) Pentachlorophenol	16.775	266	37	6.78	ng	98
71) Phenanthrene	16.992	178	2560302	71.11	ng	99
72) Anthracene	17.087	178	941518	26.53	ng	99
73) Carbazole	17.363	167	298501	8.86	ng	99
75) Fluoranthene	18.992	202	4591564	101.43	ng	98
78) Pyrene	19.339	202	4054970	126.56	ng	98
81) Benzo(a)anthracene	21.057	228	2354783	70.90	ng	96
83) Chrysene	21.110	228	1991895	62.43	ng	97
87) Indeno(1,2,3-cd)pyrene	25.757	276	1448572	34.48	ng	# 51
88) Benzo(b)fluoranthene	22.669	252	3849409	109.98	ng	98
89) Benzo(k)fluoranthene	22.669	252	3849409	114.75	ng	99
90) Benzo(a)pyrene	23.269	252	2144909	64.99	ng	94
91) Dibenzo(a,h)anthracene	25.716	278	332146	9.58	ng	95
92) Benzo(g,h,i)perylene	26.533	276	1023257	29.57	ng	97

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

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B-9(12-14)

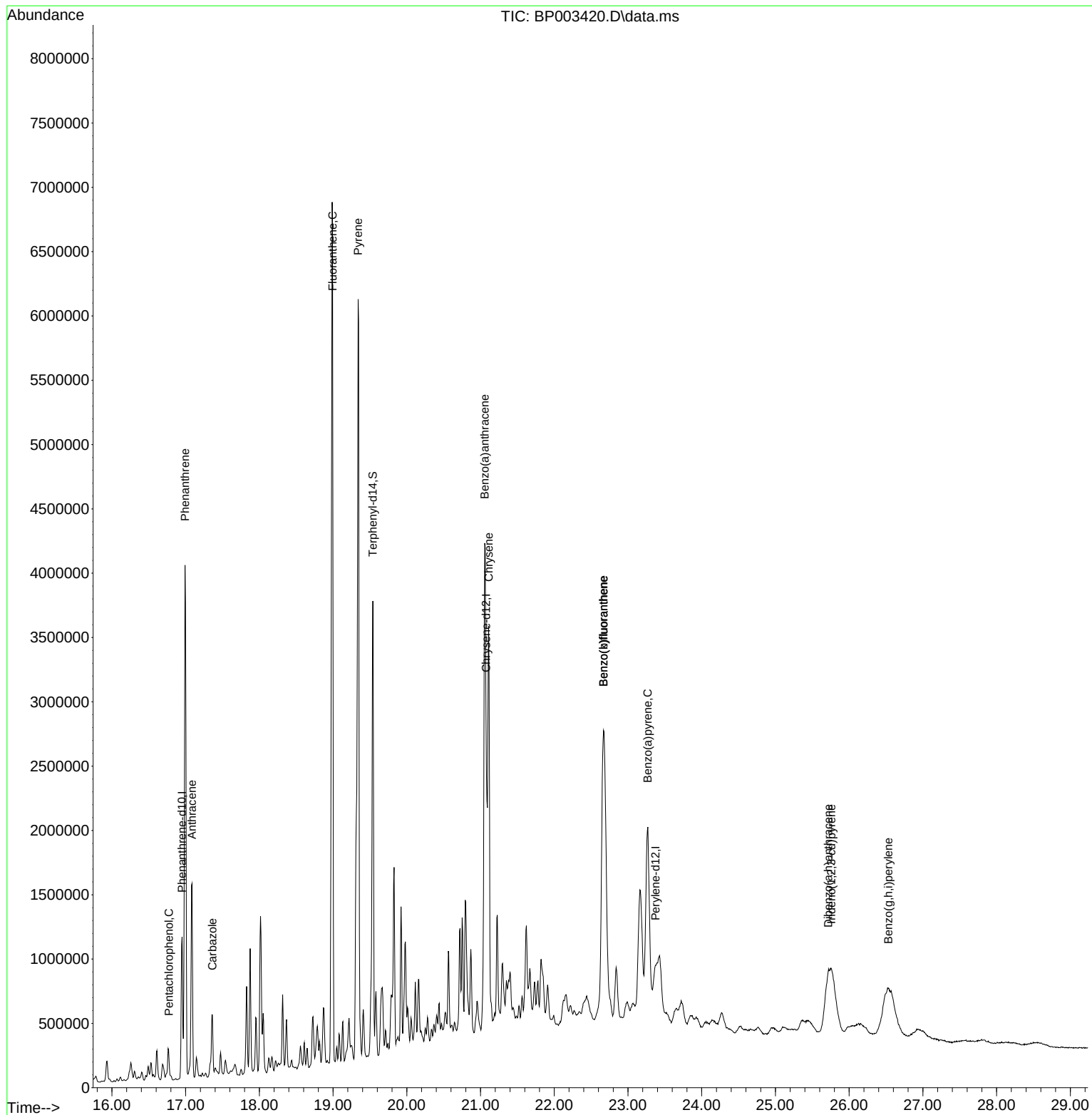
Quant Time: Oct 01 02:16:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 30 17:14:02 2020
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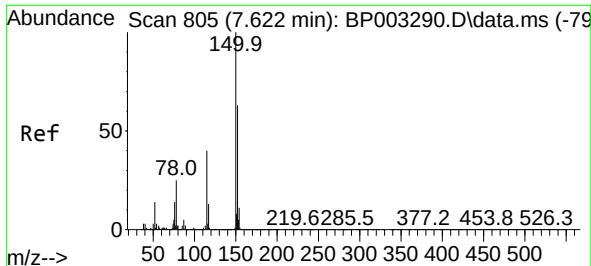


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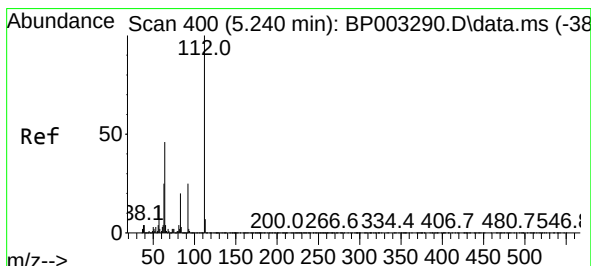
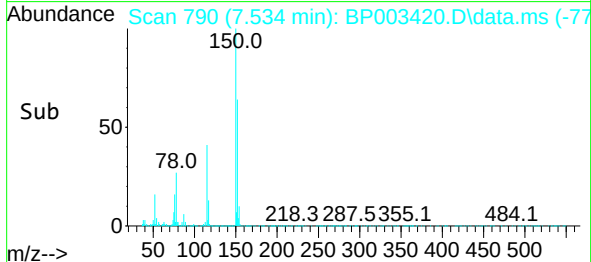
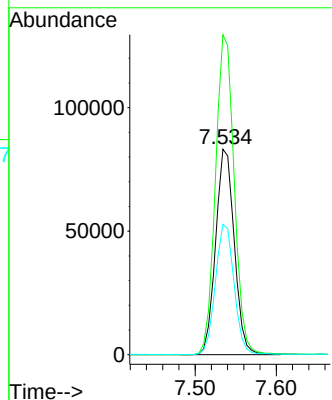
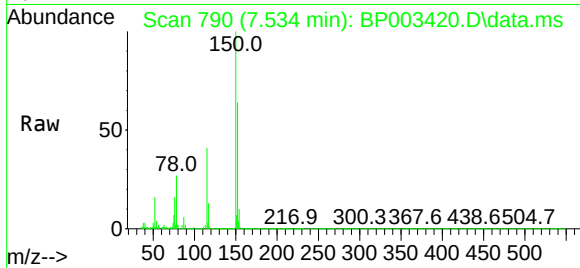




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.534 min Scan# 790
Delta R.T. 0.000 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

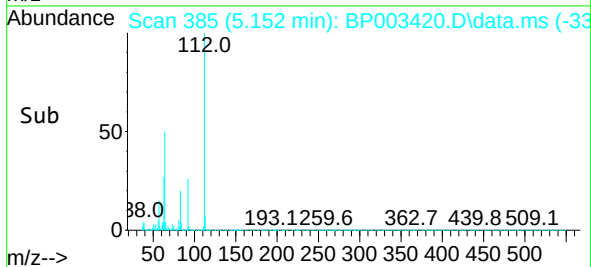
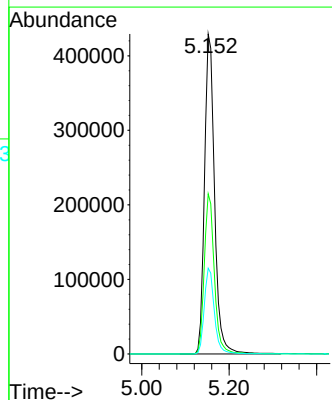
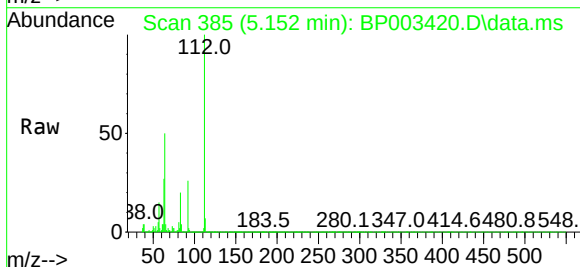
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BNA_P
ClientSampleId :
B-9(12-14)

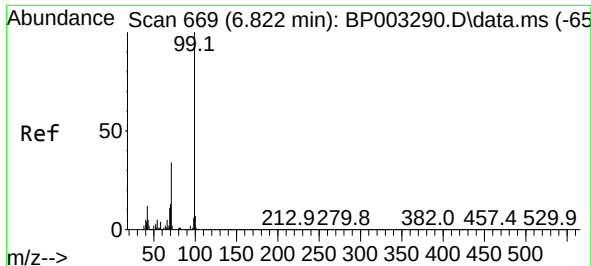
Tgt Ion:152 Resp: 132967
Ion Ratio Lower Upper
152 100
150 155.8 123.8 185.6
115 63.5 43.8 65.6



#5
2-Fluorophenol
Concen: 90.45 ng
RT: 5.152 min Scan# 385
Delta R.T. 0.000 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

Tgt Ion:112 Resp: 688789
Ion Ratio Lower Upper
112 100
64 50.1 32.8 49.2#
63 26.8 17.0 25.4#

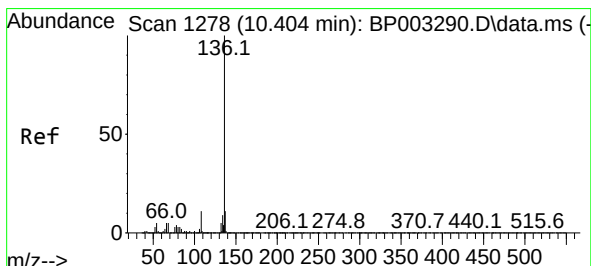
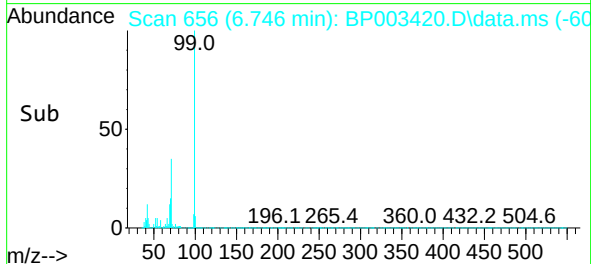
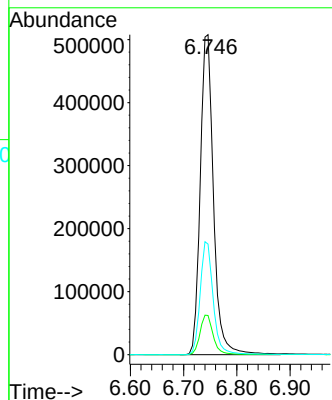
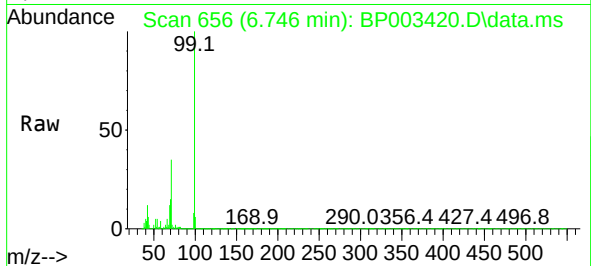




#7
Phenol-d6
Concen: 86.36 ng
RT: 6.746 min Scan# 656
Delta R.T. 0.006 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

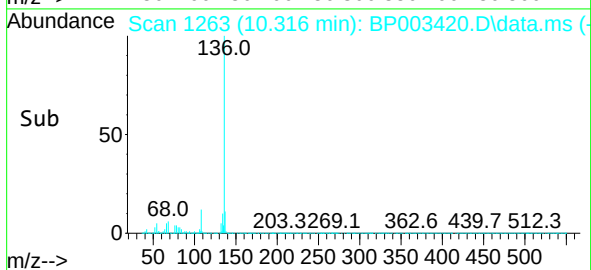
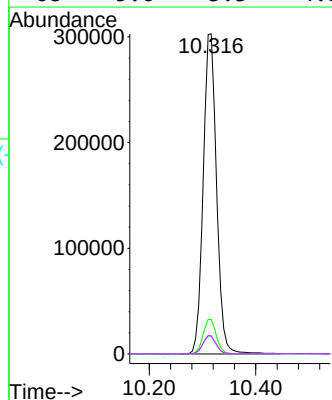
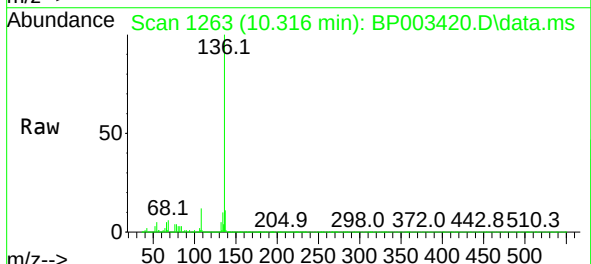
Instrument :
BNA_P
ClientSampleId :
B-9(12-14)

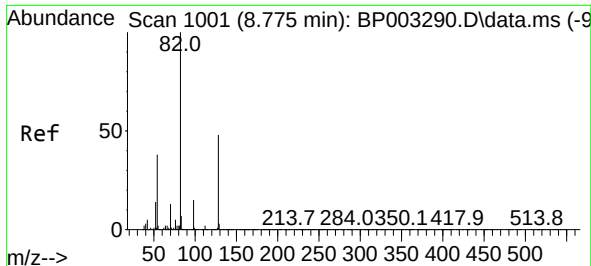
Tgt Ion: 99 Resp: 876600
Ion Ratio Lower Upper
99 100
42 12.2 8.6 13.0
71 34.6 23.4 35.2



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.316 min Scan# 1263
Delta R.T. 0.006 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

Tgt Ion: 136 Resp: 526283
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 5.5 3.6 5.4#
68 5.6 3.3 4.9#

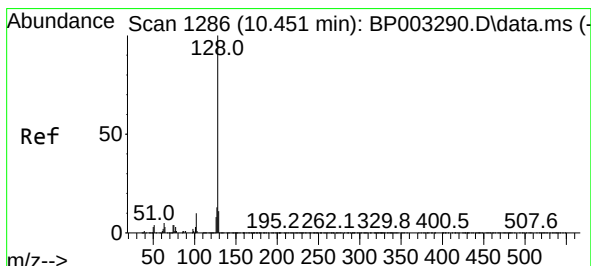
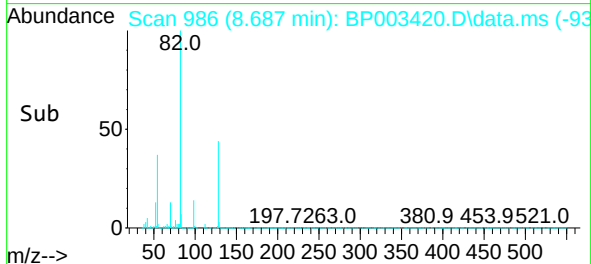
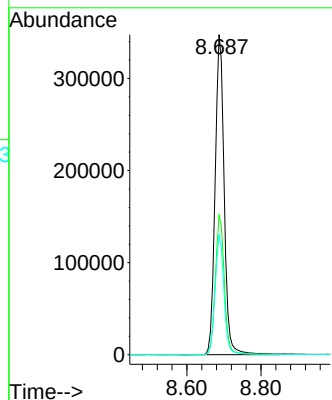
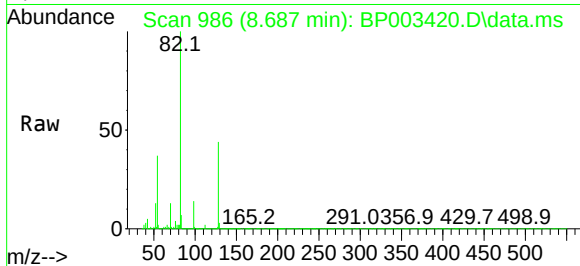




#23
Nitrobenzene-d5
Concen: 65.73 ng
RT: 8.687 min Scan# 986
Delta R.T. 0.000 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

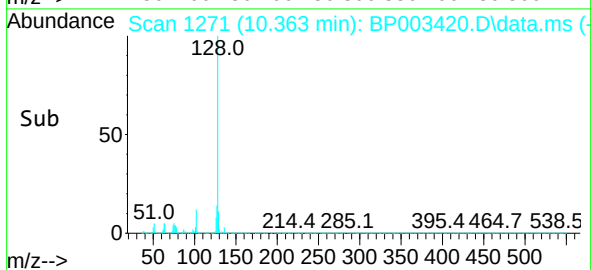
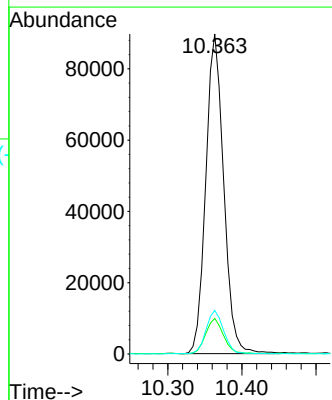
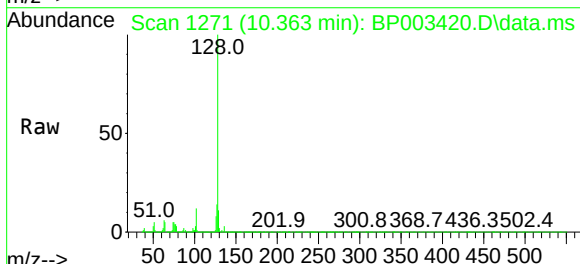
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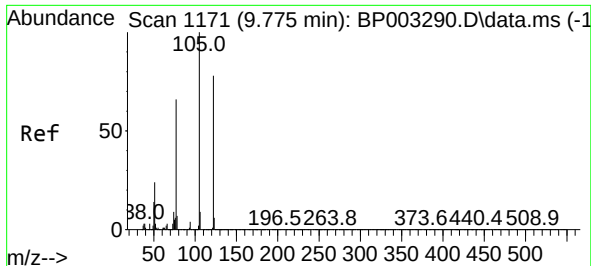
Tgt Ion: 82 Resp: 588869
Ion Ratio Lower Upper
82 100
128 43.6 45.6 68.4#
54 37.3 30.1 45.1



#31
Naphthalene
Concen: 5.42 ng
RT: 10.363 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

Tgt Ion: 128 Resp: 150604
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.6 10.6 15.8

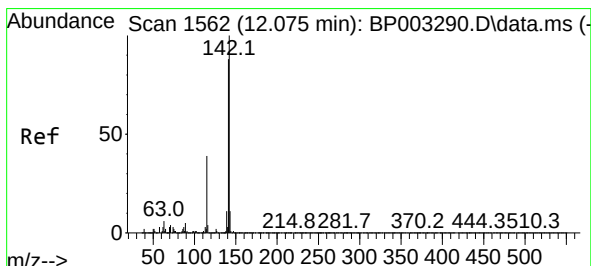
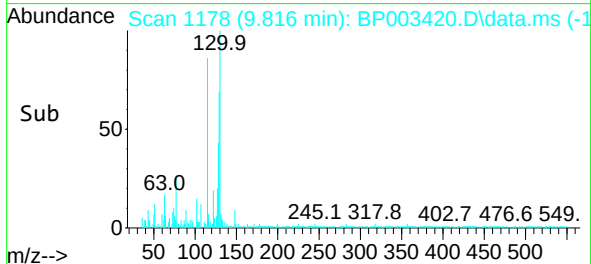
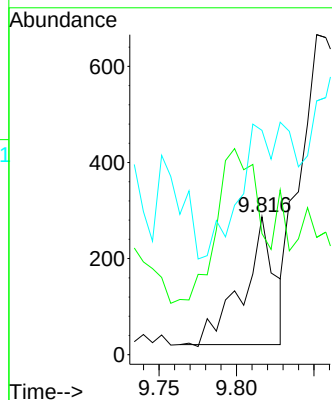
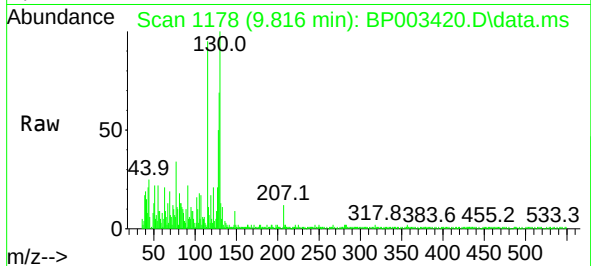




#32
Benzoic acid
Concen: 9.22 ng
RT: 9.816 min Scan# 1178
Delta R.T. 0.100 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

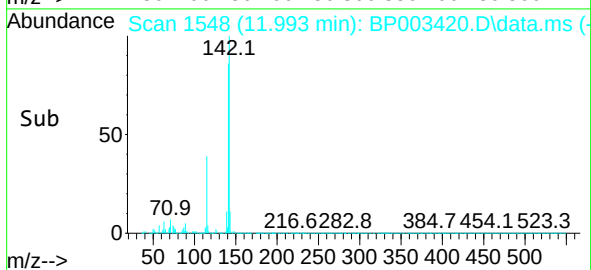
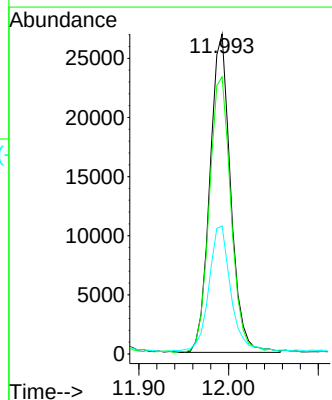
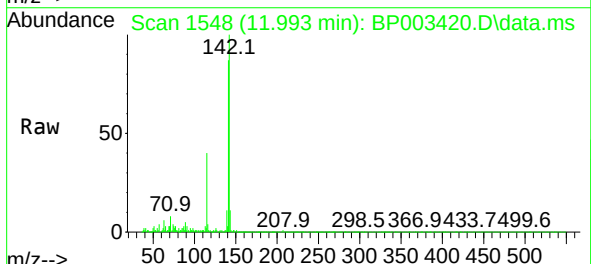
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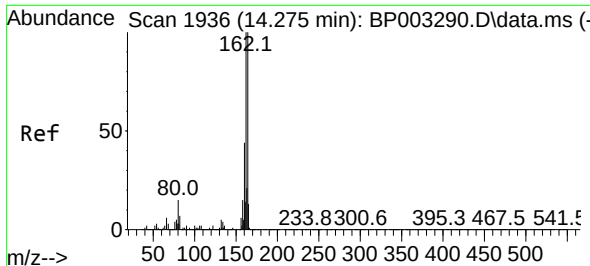
Tgt Ion:122 Resp: 377
Ion Ratio Lower Upper
122 100
105 87.8 94.1 134.1#
77 162.7 50.1 90.1#



#37
2-Methylnaphthalene
Concen: 2.15 ng
RT: 11.993 min Scan# 1548
Delta R.T. 0.006 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

Tgt Ion:142 Resp: 43279
Ion Ratio Lower Upper
142 100
141 86.6 71.4 107.2
115 40.0 25.8 38.6#

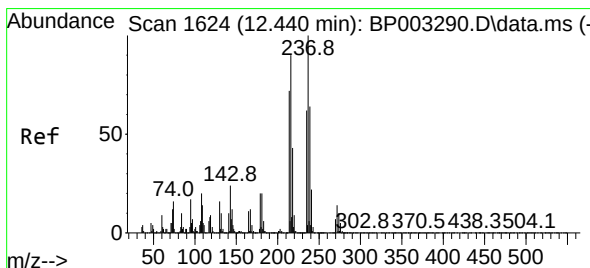
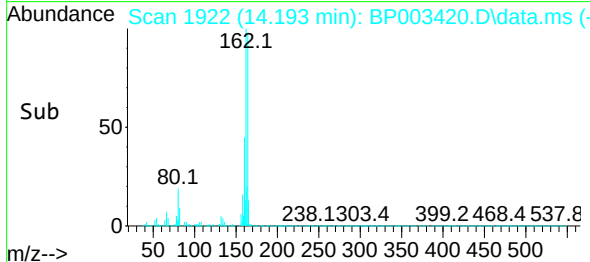
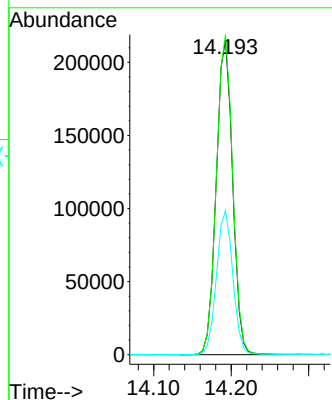
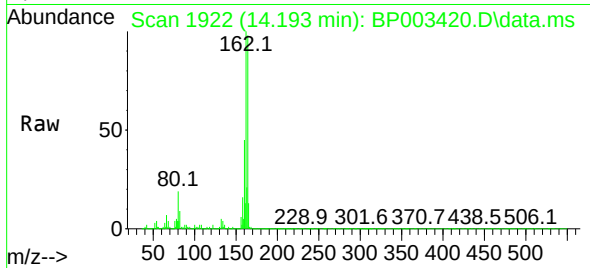




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.193 min Scan# 1922
Delta R.T. 0.000 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

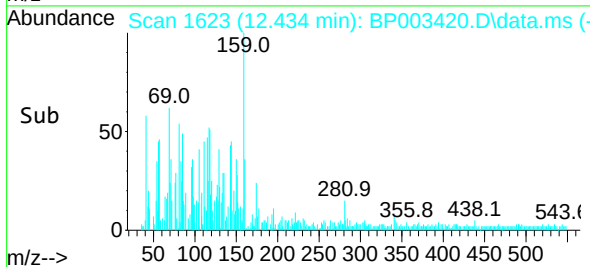
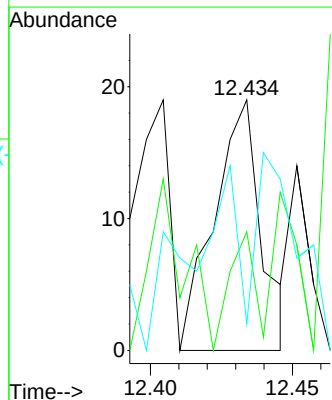
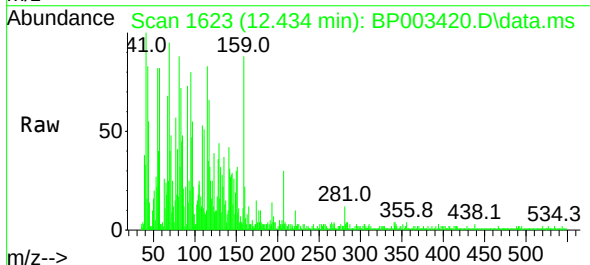
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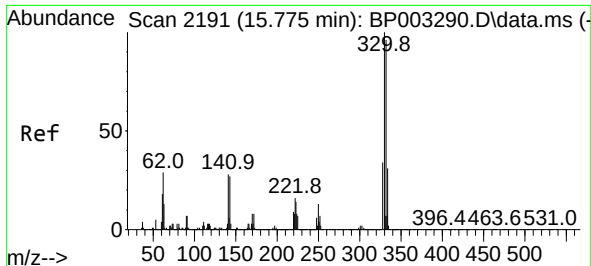
Tgt Ion:164 Resp: 315297
Ion Ratio Lower Upper
164 100
162 101.7 79.4 119.2
160 45.8 36.1 54.1



#41
Hexachlorocyclopentadiene
Concen: 6.85 ng
RT: 12.434 min Scan# 1623
Delta R.T. 0.082 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

Tgt Ion:237 Resp: 22
Ion Ratio Lower Upper
237 100
235 47.4 43.2 83.2
272 10.5 0.0 33.3

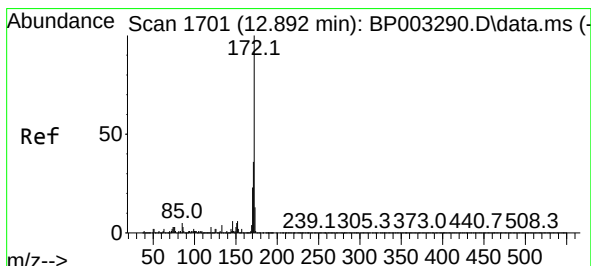
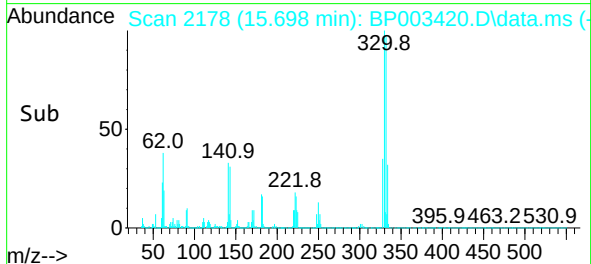
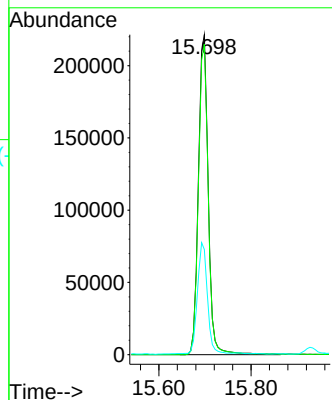
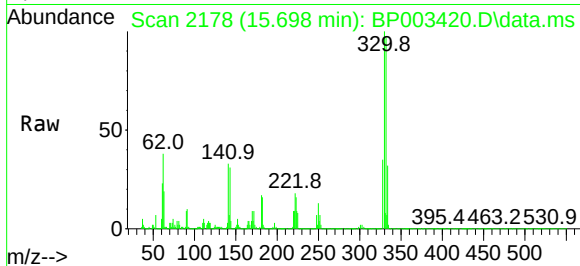




#42
2,4,6-Tribromophenol
Concen: 68.38 ng
RT: 15.698 min Scan# 2178
Delta R.T. 0.006 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

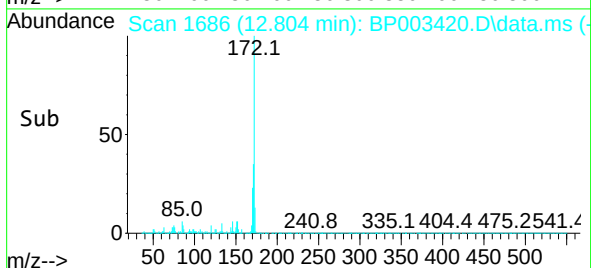
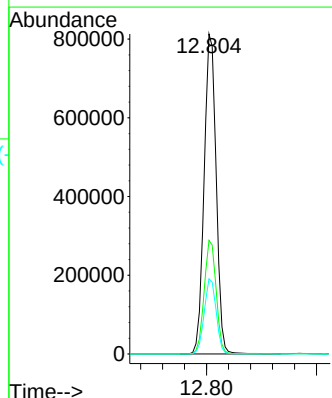
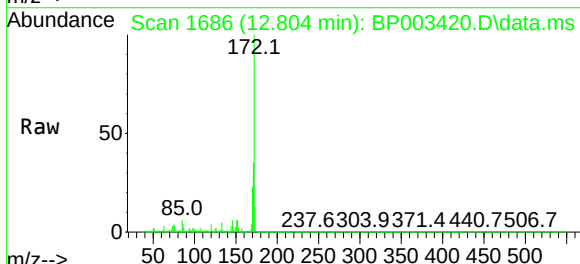
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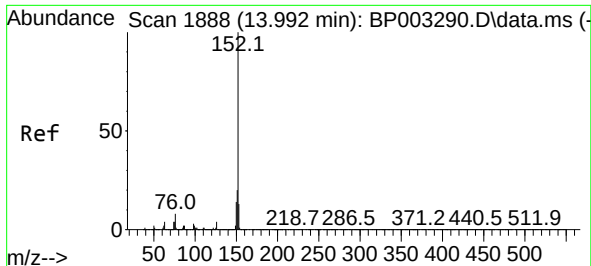
Tgt Ion:330 Resp: 328861
Ion Ratio Lower Upper
330 100
332 96.4 77.1 115.7
141 35.8 23.4 35.2#



#45
2-Fluorobiphenyl
Concen: 57.37 ng
RT: 12.804 min Scan# 1686
Delta R.T. 0.000 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

Tgt Ion:172 Resp: 1236874
Ion Ratio Lower Upper
172 100
171 35.5 28.5 42.7
170 23.5 19.2 28.8

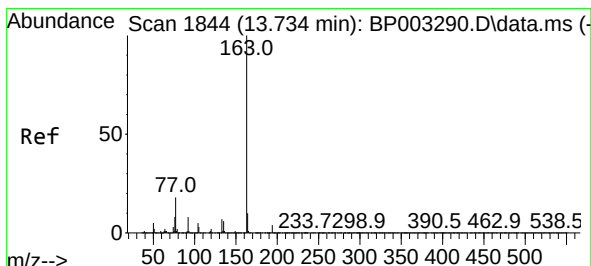
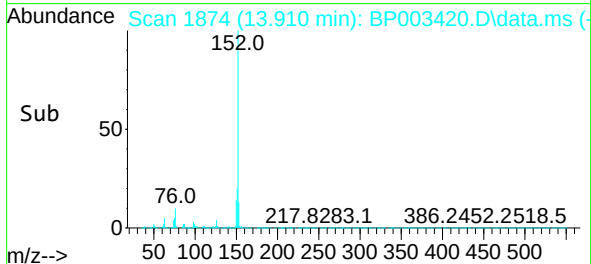
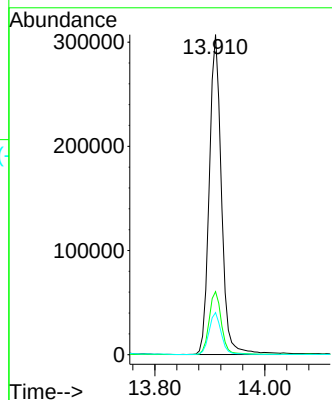
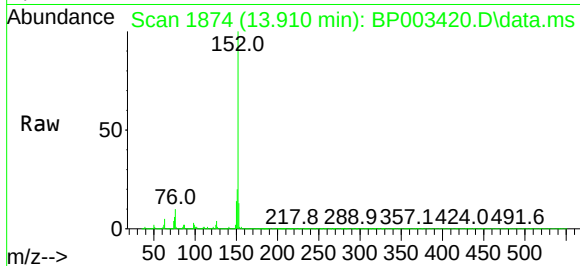




#49
Acenaphthylene
Concen: 15.84 ng
RT: 13.910 min Scan# 1874
Delta R.T. 0.000 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

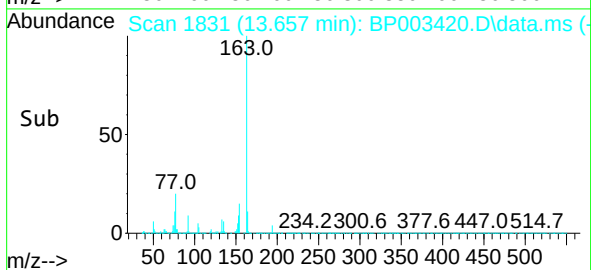
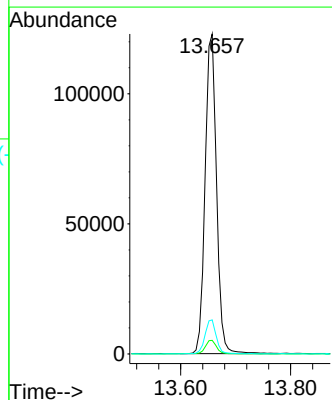
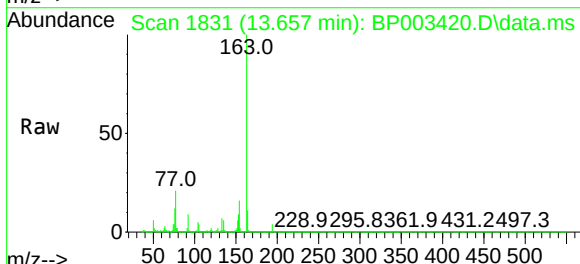
Instrument :
BNA_P
ClientSampleId :
B-9(12-14)

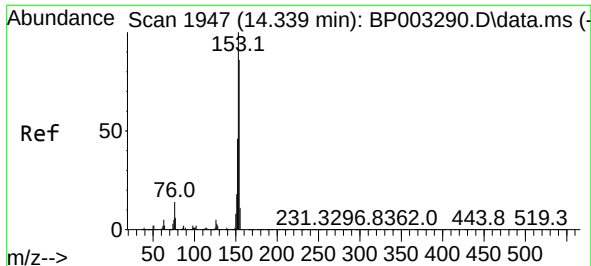
Tgt Ion:152 Resp: 471194
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 13.2 10.5 15.7



#50
Dimethylphthalate
Concen: 7.02 ng
RT: 13.657 min Scan# 1831
Delta R.T. 0.000 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

Tgt Ion:163 Resp: 176693
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 10.6 8.2 12.2

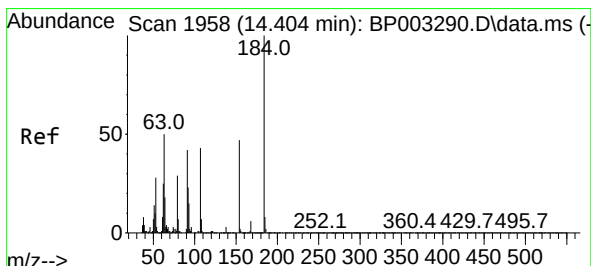
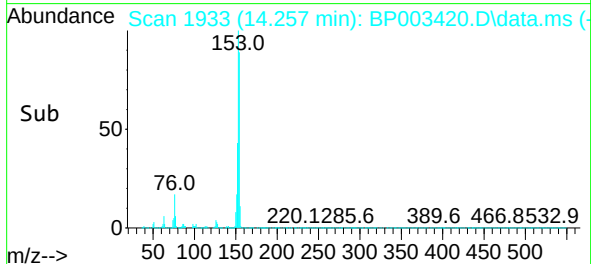
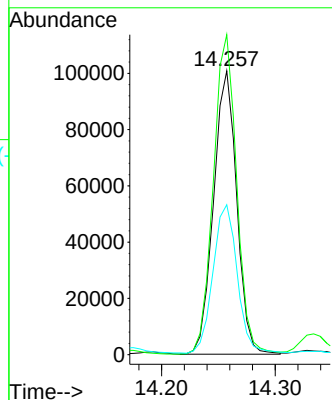
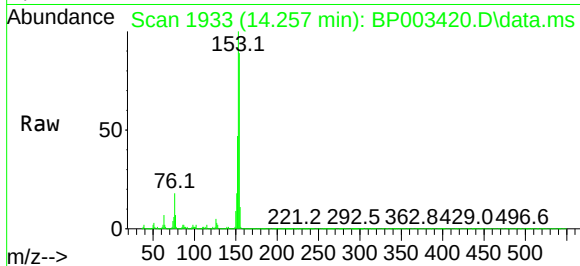




#52
Acenaphthene
Concen: 7.87 ng
RT: 14.257 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

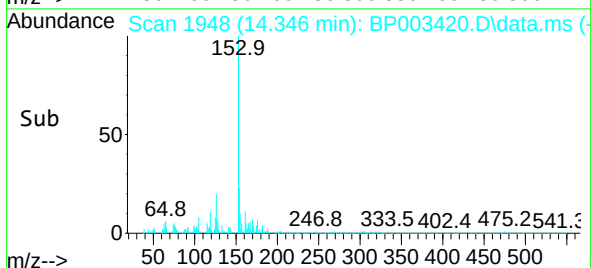
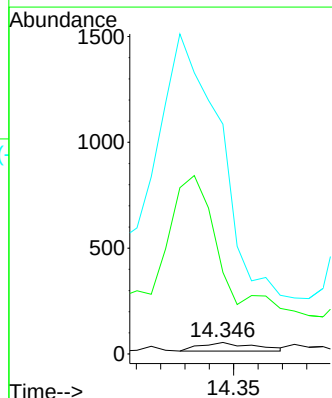
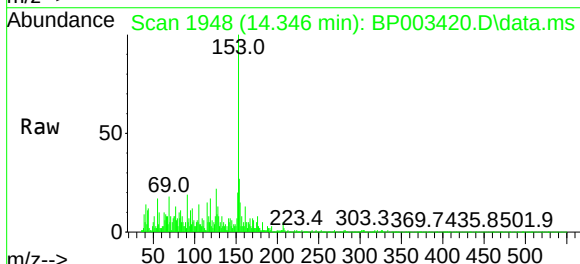
Instrument :
BNA_P
ClientSampleId :
B-9(12-14)

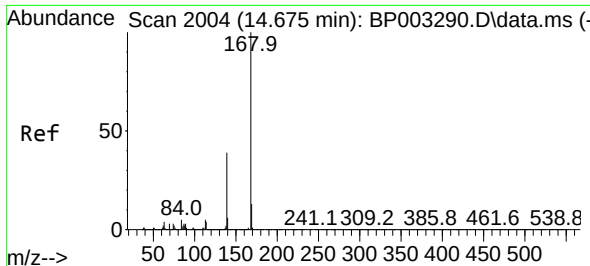
Tgt Ion:154 Resp: 142589
Ion Ratio Lower Upper
154 100
153 112.7 91.0 136.6
152 52.8 43.0 64.6



#54
2,4-Dinitrophenol
Concen: 7.27 ng
RT: 14.346 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

Tgt Ion:184 Resp: 63
Ion Ratio Lower Upper
184 100
63 701.8 32.3 48.5#
154 1974.5 49.1 73.7#

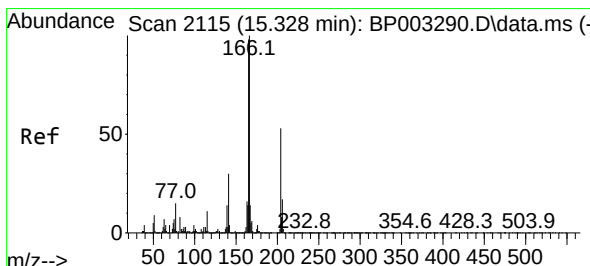
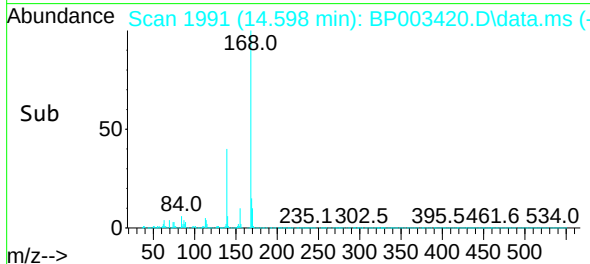
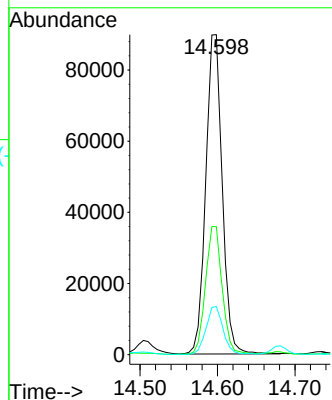
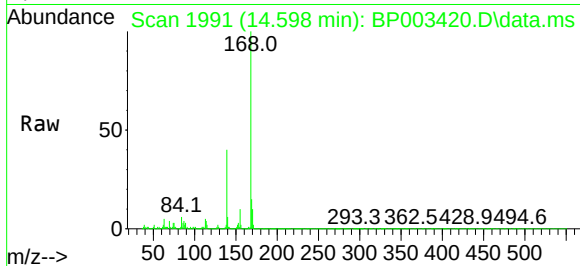




#55
Dibenzenofuran
Concen: 4.58 ng
RT: 14.598 min Scan# 1991
Delta R.T. 0.000 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

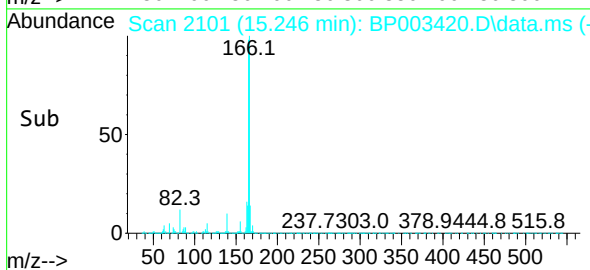
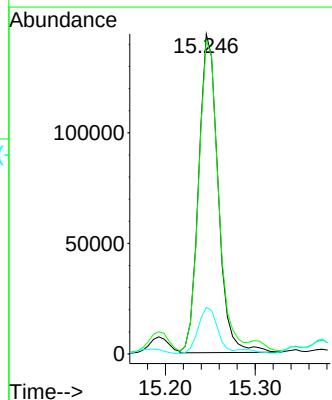
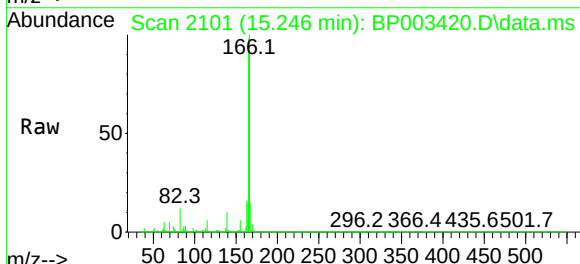
Instrument :
BNA_P
ClientSampleId :
B-9(12-14)

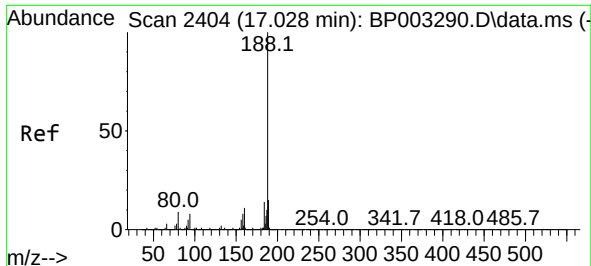
Tgt Ion:168 Resp: 132465
Ion Ratio Lower Upper
168 100
139 40.0 29.1 43.7
169 15.0 10.4 15.6



#58
Fluorene
Concen: 9.47 ng
RT: 15.246 min Scan# 2101
Delta R.T. -0.006 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

Tgt Ion:166 Resp: 216090
Ion Ratio Lower Upper
166 100
165 98.0 77.8 116.8
167 14.6 11.0 16.4

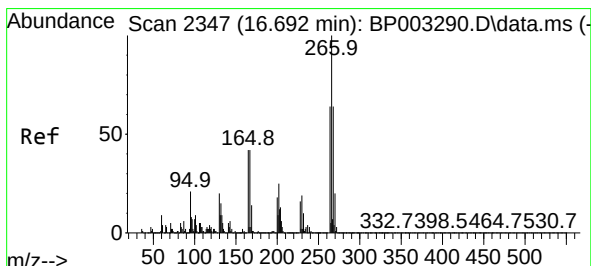
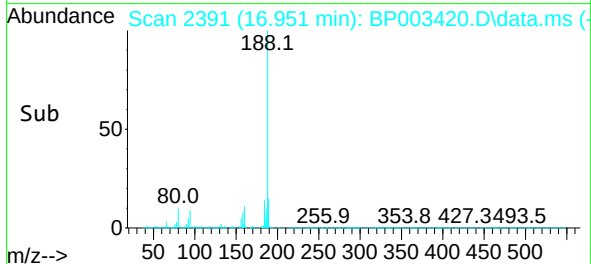
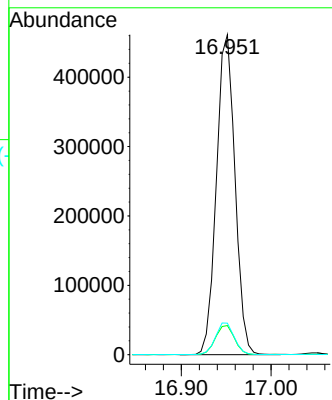
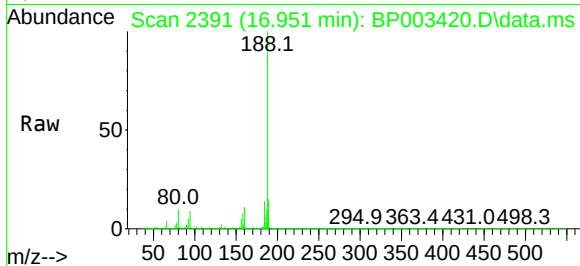




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.951 min Scan# 2391
Delta R.T. 0.006 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

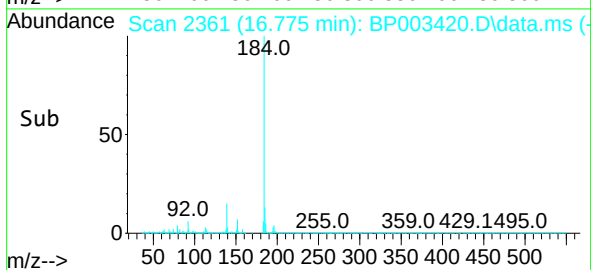
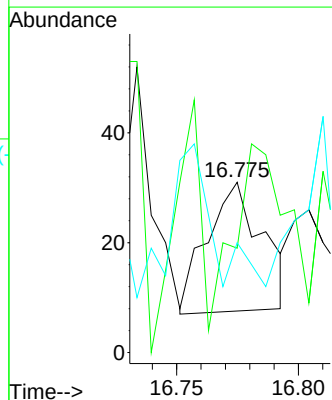
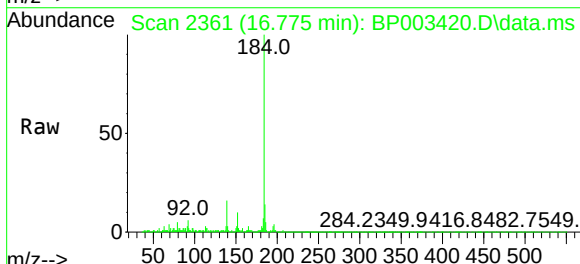
Instrument :
BNA_P
ClientSampleId :
B-9(12-14)

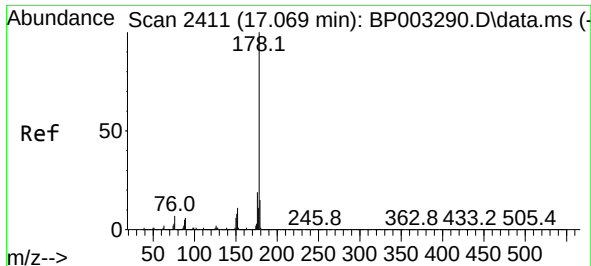
Tgt Ion:188 Resp: 661732
Ion Ratio Lower Upper
188 100
94 9.1 6.2 9.2
80 9.8 6.2 9.2#



#70
Pentachlorophenol
Concen: 6.78 ng
RT: 16.775 min Scan# 2361
Delta R.T. 0.153 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

Tgt Ion:266 Resp: 37
Ion Ratio Lower Upper
266 100
268 61.3 51.1 76.7
264 64.5 50.6 76.0

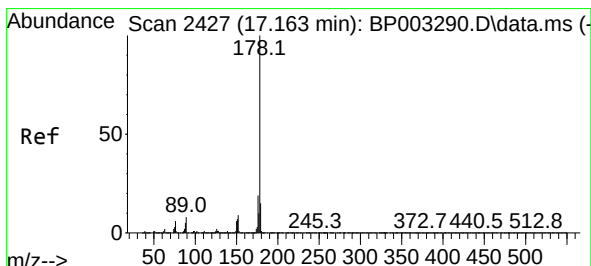
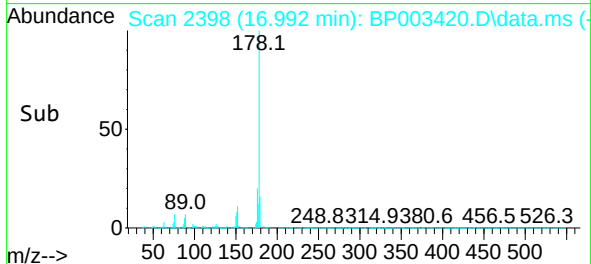
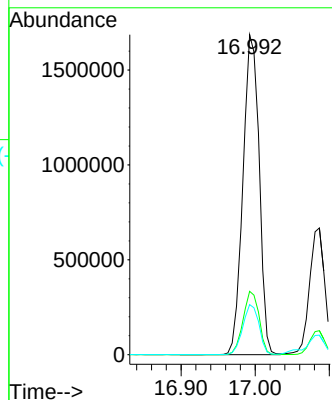
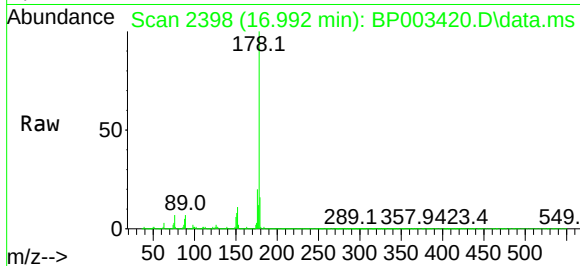




#71
Phenanthrene
Concen: 71.11 ng
RT: 16.992 min Scan# 2398
Delta R.T. 0.000 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

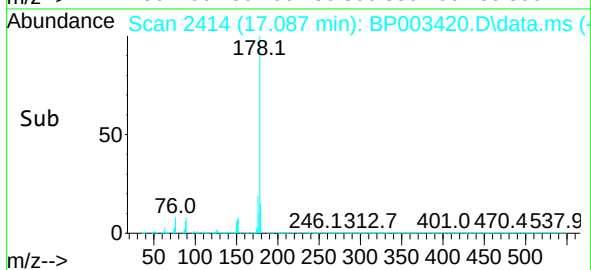
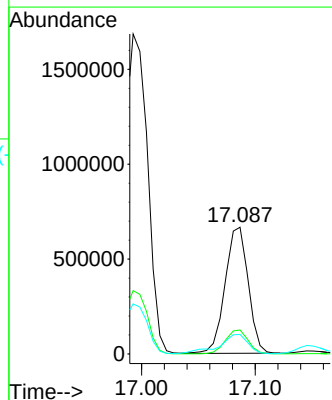
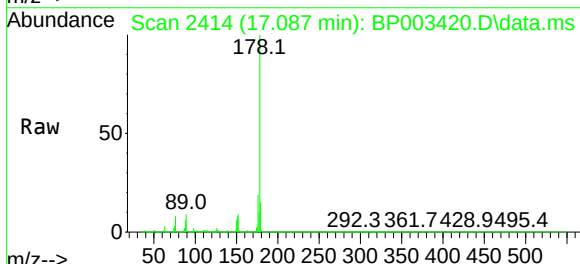
Instrument :
BNA_P
ClientSampleId :
B-9(12-14)

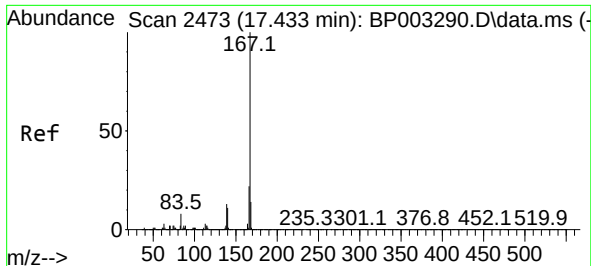
Tgt Ion:178 Resp: 2560302
Ion Ratio Lower Upper
178 100
176 19.8 15.3 22.9
179 15.6 12.5 18.7



#72
Anthracene
Concen: 26.53 ng
RT: 17.087 min Scan# 2414
Delta R.T. 0.006 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

Tgt Ion:178 Resp: 941518
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.4
179 15.3 12.5 18.7

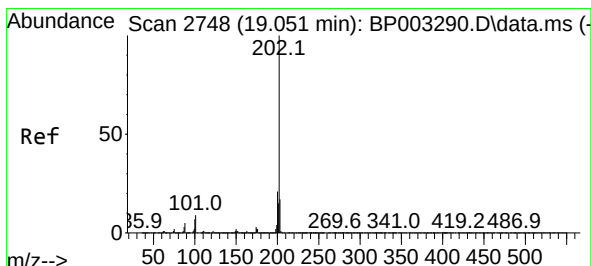
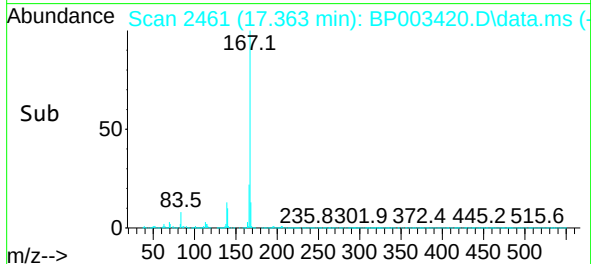
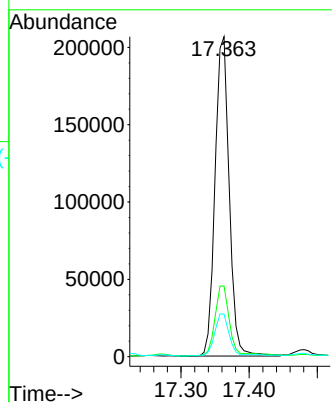
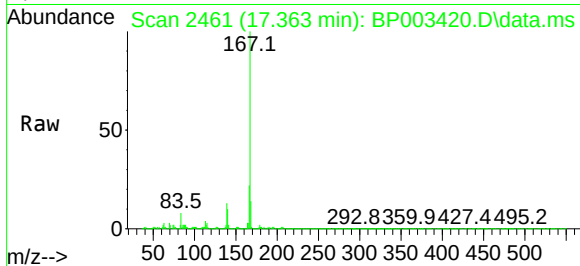




#73
 Carbazole
 Concen: 8.86 ng
 RT: 17.363 min Scan# 2461
 Delta R.T. 0.000 min
 Lab File: BP003420.D
 Acq: 30 Sep 2020 18:55

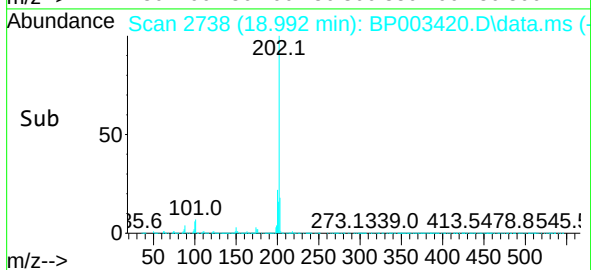
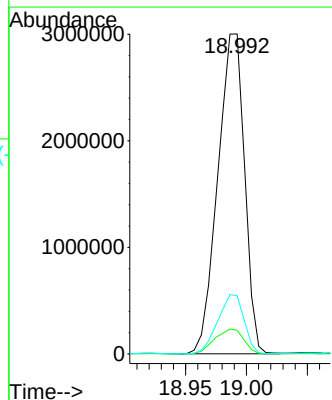
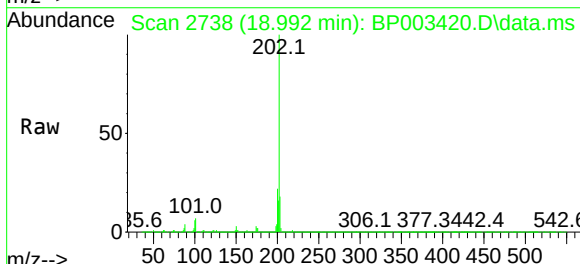
Instrument :
 BNA_P
 ClientSampleId :
 B-9(12-14)

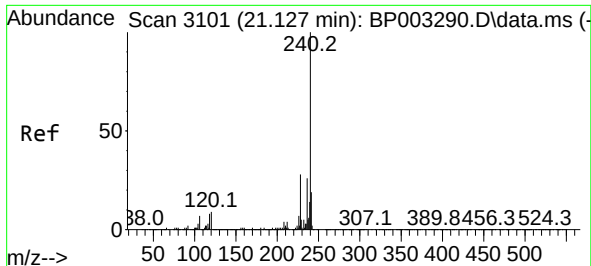
Tgt Ion:167	Resp: 298501
Ion Ratio	Lower Upper
167 100	
166 22.1	17.6 26.4
139 13.3	10.2 15.4



#75
 Fluoranthene
 Concen: 101.43 ng
 RT: 18.992 min Scan# 2738
 Delta R.T. 0.012 min
 Lab File: BP003420.D
 Acq: 30 Sep 2020 18:55

Tgt Ion:202	Resp: 4591564
Ion Ratio	Lower Upper
202 100	
101 7.4	0.0 29.4
203 18.2	0.0 37.8

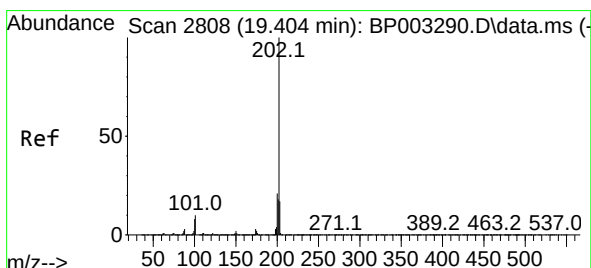
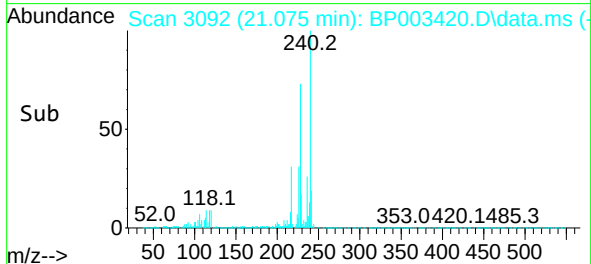
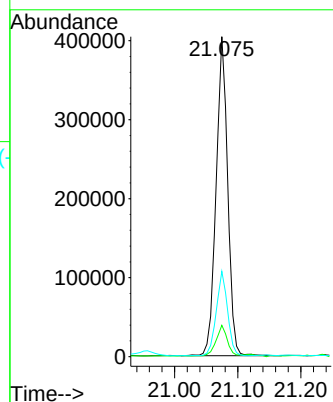
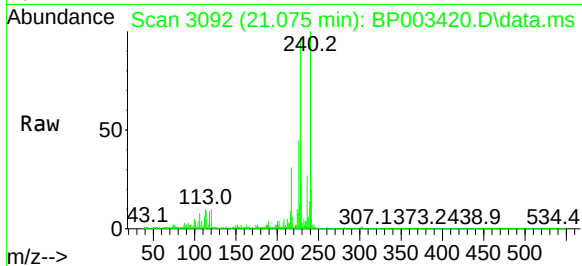




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.075 min Scan# 3092
Delta R.T. 0.012 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

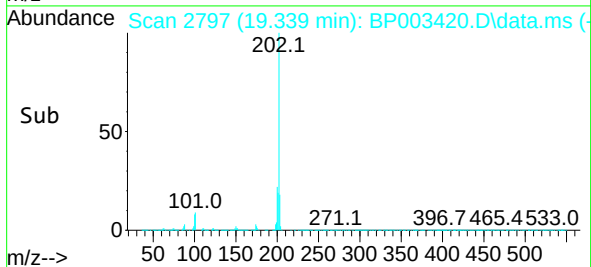
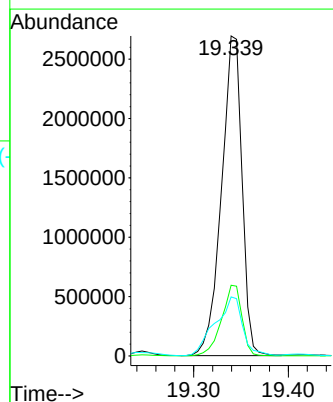
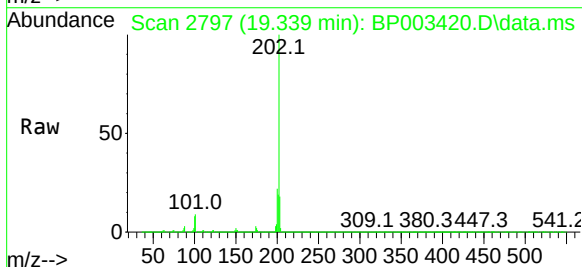
Instrument :
BNA_P
ClientSampleId :
B-9(12-14)

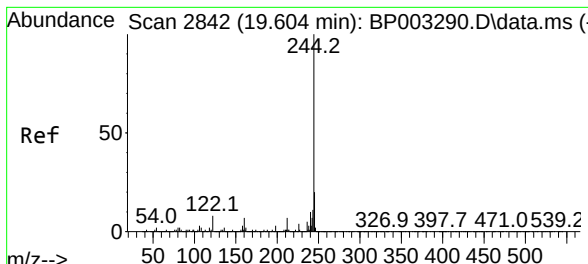
Tgt Ion:240 Resp: 513751
Ion Ratio Lower Upper
240 100
120 9.8 7.8 11.6
236 26.7 20.8 31.2



#78
Pyrene
Concen: 126.56 ng
RT: 19.339 min Scan# 2797
Delta R.T. 0.006 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

Tgt Ion:202 Resp: 4054970
Ion Ratio Lower Upper
202 100
200 22.1 17.1 25.7
203 18.5 14.2 21.2



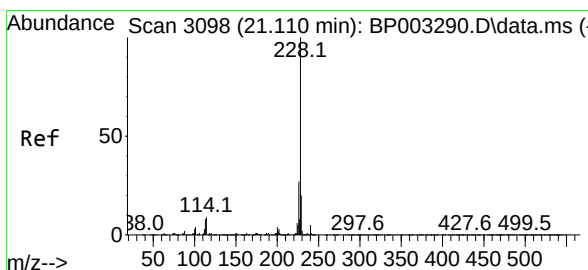
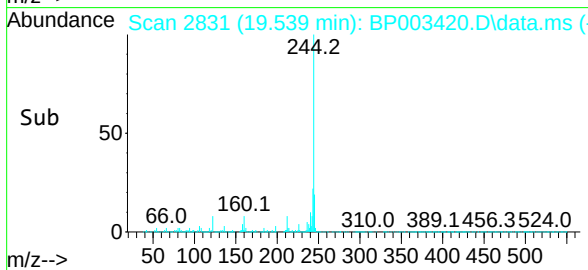
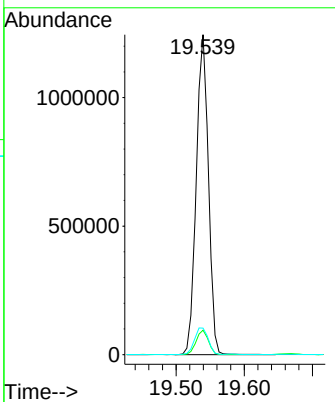
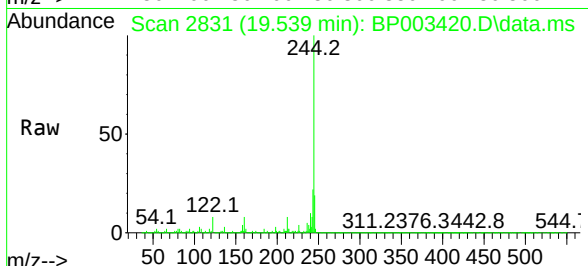


#79
 Terphenyl-d14
 Concen: 62.33 ng
 RT: 19.539 min Scan# 2831
 Delta R.T. 0.006 min
 Lab File: BP003420.D
 Acq: 30 Sep 2020 18:55

Instrument :
 BNA_P
ClientSampleId :
 B-9(12-14)

Tgt Ion:244 Resp: 1536862

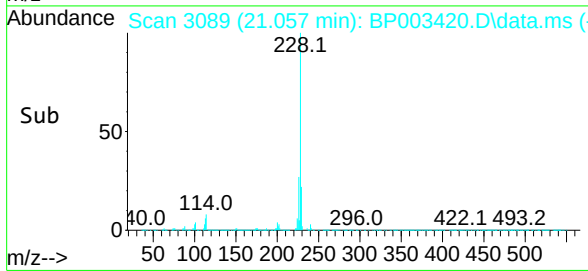
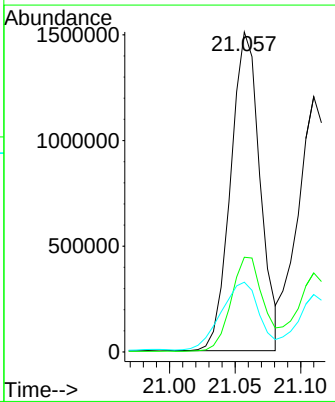
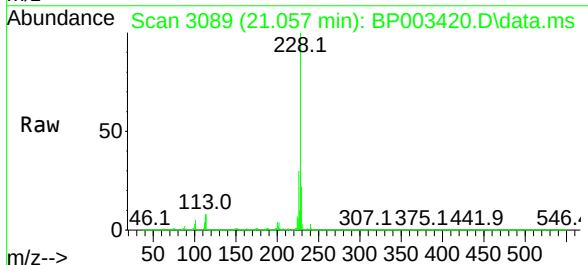
Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.6
122	8.3	7.8	11.8

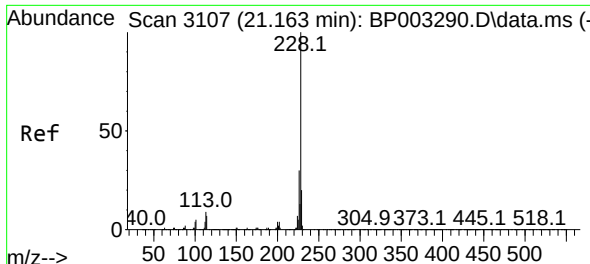


#81
 Benzo(a)anthracene
 Concen: 70.90 ng
 RT: 21.057 min Scan# 3089
 Delta R.T. 0.012 min
 Lab File: BP003420.D
 Acq: 30 Sep 2020 18:55

Tgt Ion:228 Resp: 2354783

Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.1	33.1
229	21.8	15.9	23.9

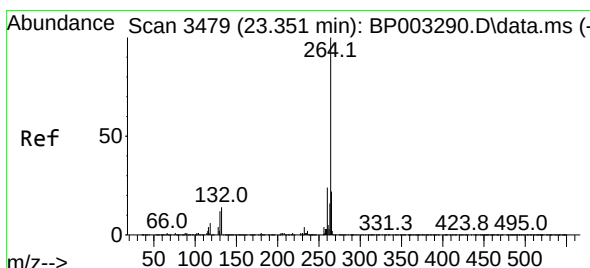
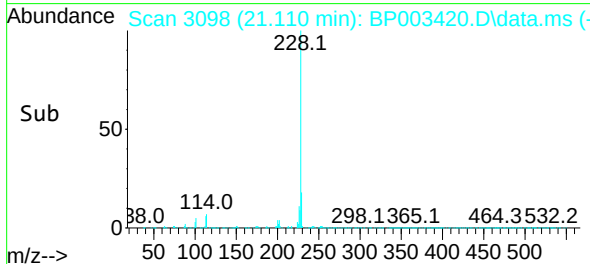
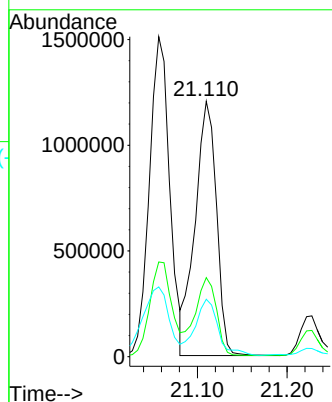
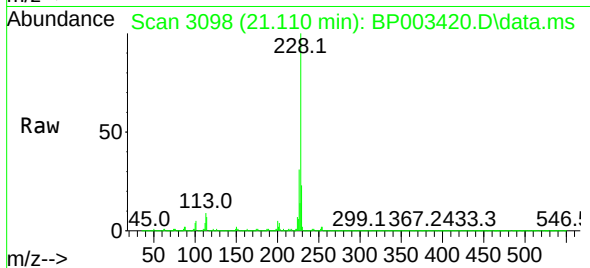




#83
Chrysene
Concen: 62.43 ng
RT: 21.110 min Scan# 3098
Delta R.T. 0.012 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

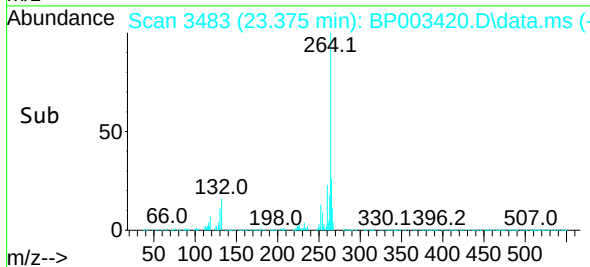
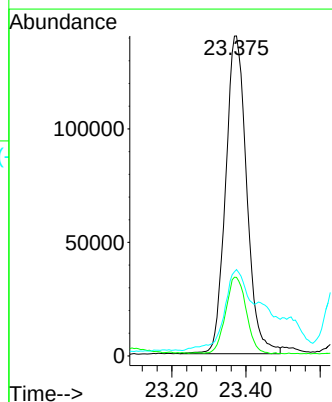
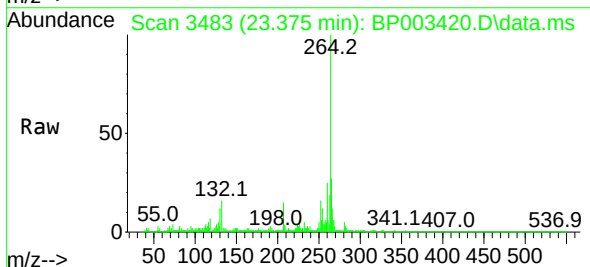
Instrument :
BNA_P
ClientSampleId :
B-9(12-14)

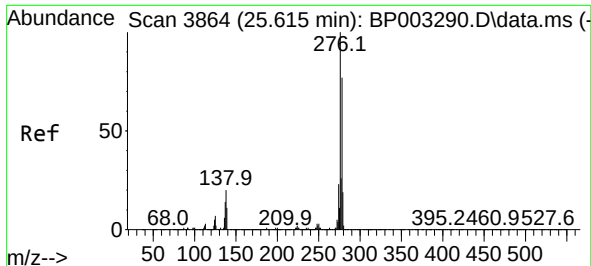
Tgt Ion:228 Resp: 1991895
Ion Ratio Lower Upper
228 100
226 31.0 24.4 36.6
229 22.5 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.375 min Scan# 3483
Delta R.T. 0.118 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

Tgt Ion:264 Resp: 554265
Ion Ratio Lower Upper
264 100
260 24.6 18.8 28.2
265 27.0 17.4 26.2#

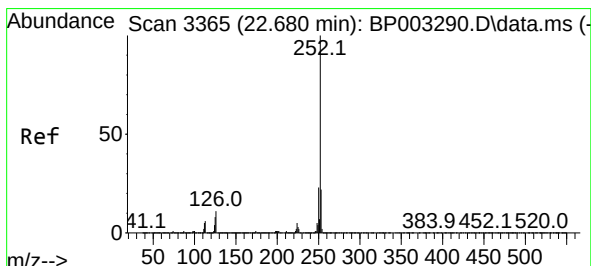
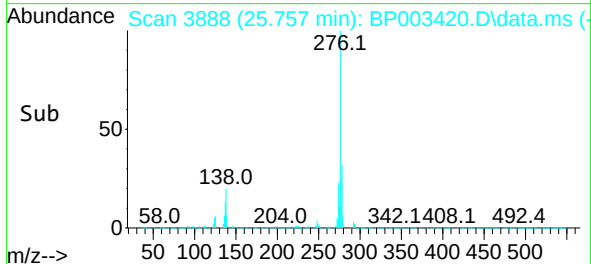
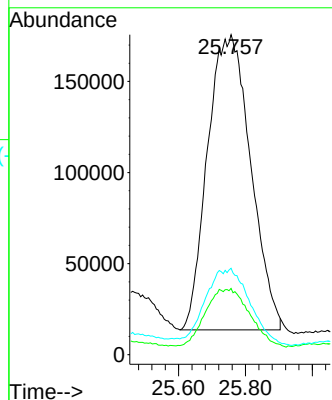
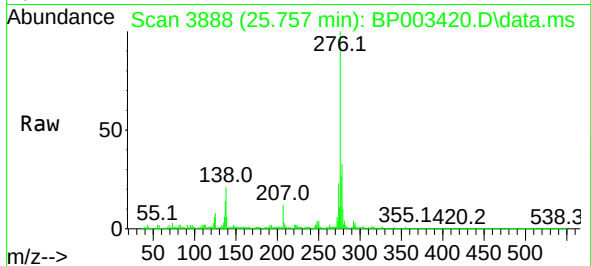




#87
Indeno(1,2,3-cd)pyrene
Concen: 34.48 ng
RT: 25.757 min Scan# 3888
Delta R.T. 0.259 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

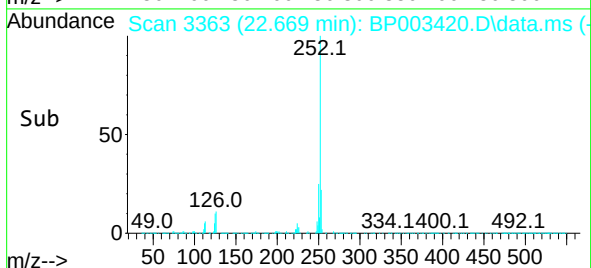
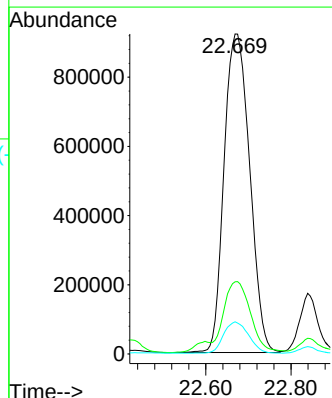
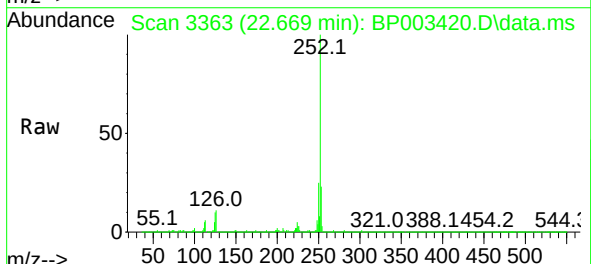
Instrument :
BNA_P
ClientSampleId :
B-9(12-14)

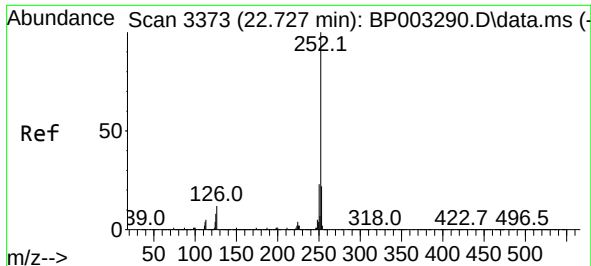
Tgt Ion:276 Resp: 1448572
Ion Ratio Lower Upper
276 100
138 0.0 18.7 28.1#
277 0.0 20.4 30.6#



#88
Benzo(b)fluoranthene
Concen: 109.98 ng
RT: 22.669 min Scan# 3363
Delta R.T. 0.077 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

Tgt Ion:252 Resp: 3849409
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 10.1 7.3 10.9

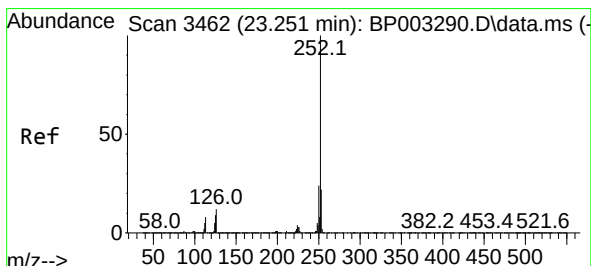
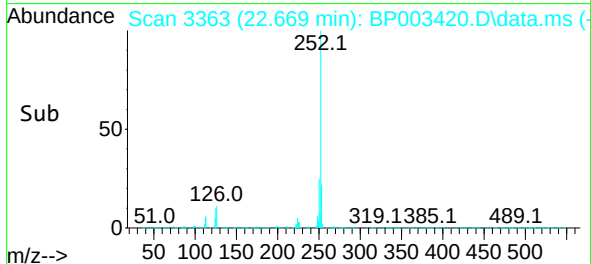
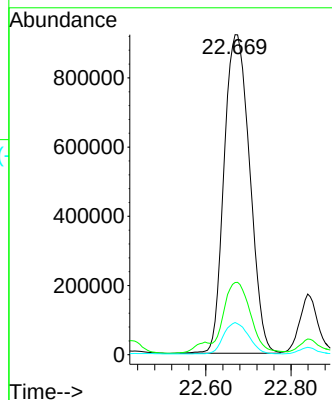
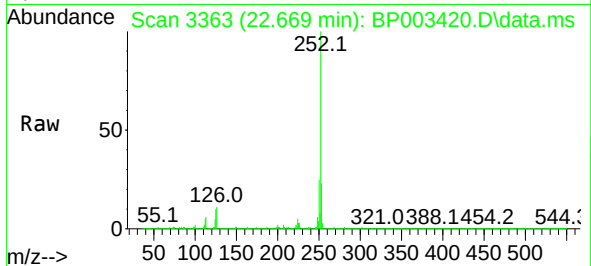




#89
Benzo(k)fluoranthene
Concen: 114.75 ng
RT: 22.669 min Scan# 3363
Delta R.T. 0.024 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

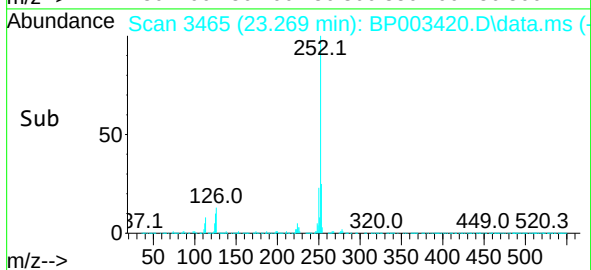
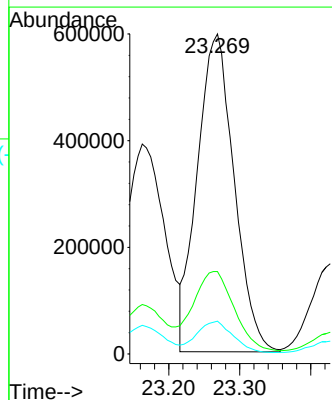
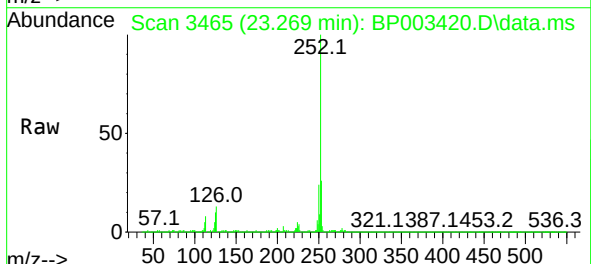
Instrument :
BNA_P
ClientSampleId :
B-9(12-14)

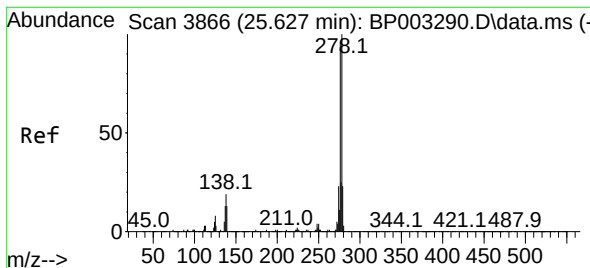
Tgt Ion:252 Resp: 3849409
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 10.1 7.4 11.2



#90
Benzo(a)pyrene
Concen: 64.99 ng
RT: 23.269 min Scan# 3465
Delta R.T. 0.106 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

Tgt Ion:252 Resp: 2144909
Ion Ratio Lower Upper
252 100
253 25.7 17.4 26.0
125 10.2 8.2 12.4

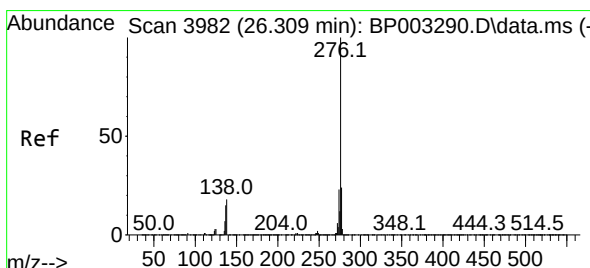
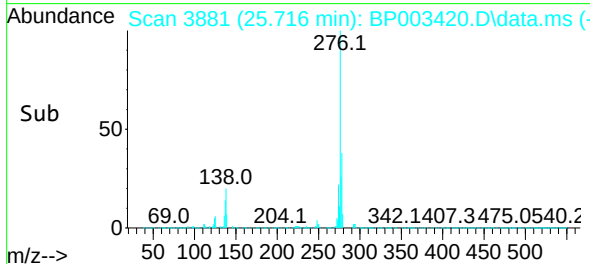
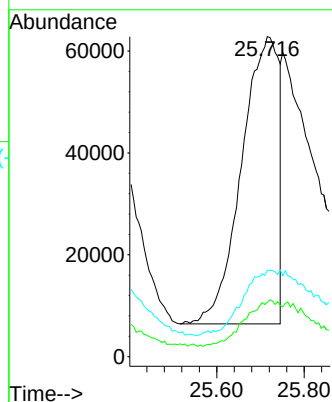
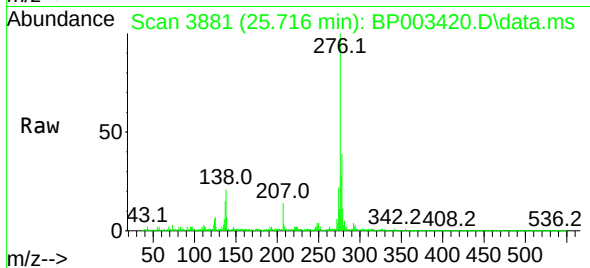




#91
Dibenzo(a,h)anthracene
Concen: 9.58 ng
RT: 25.716 min Scan# 3881
Delta R.T. 0.206 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

Instrument :
BNA_P
ClientSampleId :
B-9(12-14)

Tgt Ion:278 Resp: 332146
Ion Ratio Lower Upper
278 100
139 17.0 12.4 18.6
279 27.0 19.0 28.6



#92
Benzo(g,h,i)perylene
Concen: 29.57 ng
RT: 26.533 min Scan# 4020
Delta R.T. 0.335 min
Lab File: BP003420.D
Acq: 30 Sep 2020 18:55

Tgt Ion:276 Resp: 1023257
Ion Ratio Lower Upper
276 100
277 25.8 19.0 28.6
138 19.5 16.6 24.8

