

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
 Data File : BP003409.D
 Acq On : 29 Sep 2020 20:46
 Operator : CG/JU
 Sample : L4172-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-6(3-4)

Quant Time: Sep 30 01:20:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 17:55:44 2020
 Response via : Initial Calibration

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

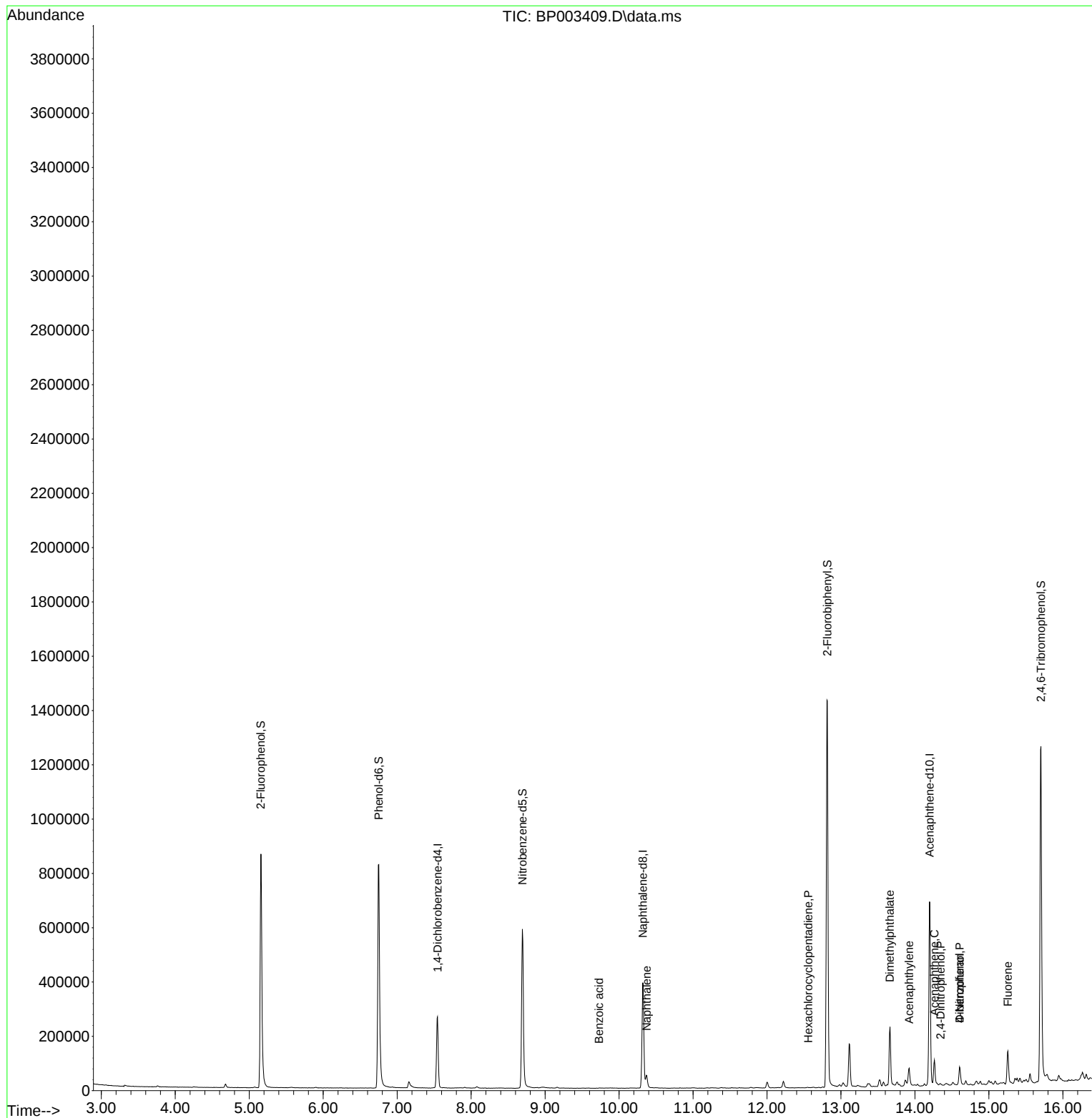
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.546	152	75063	20.00	ng	0.00
21) Naphthalene-d8	10.322	136	337985	20.00	ng	# 0.00
39) Acenaphthene-d10	14.198	164	226898	20.00	ng	-0.01
64) Phenanthrene-d10	16.957	188	519526	20.00	ng	# 0.00
76) Chrysene-d12	21.063	240	655335	20.00	ng	-0.01
86) Perylene-d12	23.251	264	755788	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.158	112	440397	102.45	ng	0.00
7) Phenol-d6	6.752	99	590409	103.04	ng	0.00
23) Nitrobenzene-d5	8.693	82	382556	66.50	ng	-0.01
42) 2,4,6-Tribromophenol	15.704	330	261868	75.67	ng	0.00
45) 2-Fluorobiphenyl	12.816	172	794618	51.22	ng	0.00
79) Terphenyl-d14	19.539	244	1242472	39.50	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	10.375	128	37520	2.10	ng	98
32) Benzoic acid	9.728	122	15	9.16	ng	# 1
41) Hexachlorocyclopentadiene	12.557	237	9	6.84	ng	80
49) Acenaphthylene	13.922	152	47331	2.21	ng	98
50) Dimethylphthalate	13.663	163	150939	8.33	ng	100
52) Acenaphthene	14.263	154	32633	2.50	ng	98
54) 2,4-Dinitrophenol	14.345	184	20	7.26	ng	# 1
55) Dibenzofuran	14.604	168	41659	2.00	ng	93
56) 4-Nitrophenol	14.604	139	16173	6.29	ng	# 23
58) Fluorene	15.257	166	53890	3.28	ng	98
70) Pentachlorophenol	16.692	266	47	6.78	ng	93
71) Phenanthrene	16.998	178	631008	22.32	ng	100
72) Anthracene	17.086	178	164308	5.90	ng	99
73) Carbazole	17.369	167	65514	2.48	ng	98
75) Fluoranthene	18.980	202	809642	22.78	ng	98
78) Pyrene	19.333	202	726085	17.77	ng	100
81) Benzo(a)anthracene	21.045	228	450739	10.64	ng	99
83) Chrysene	21.098	228	381950	9.38	ng	97
87) Indeno(1,2,3-cd)pyrene	25.474	276	247751	4.32	ng	95
88) Benzo(b)fluoranthene	22.598	252	724074	15.17	ng	97
89) Benzo(k)fluoranthene	22.598	252	724074	15.83	ng	98
90) Benzo(a)pyrene	23.157	252	414487	9.21	ng	98
92) Benzo(g,h,i)perylene	26.157	276	234502	4.97	ng	99

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

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B-6(3-4)

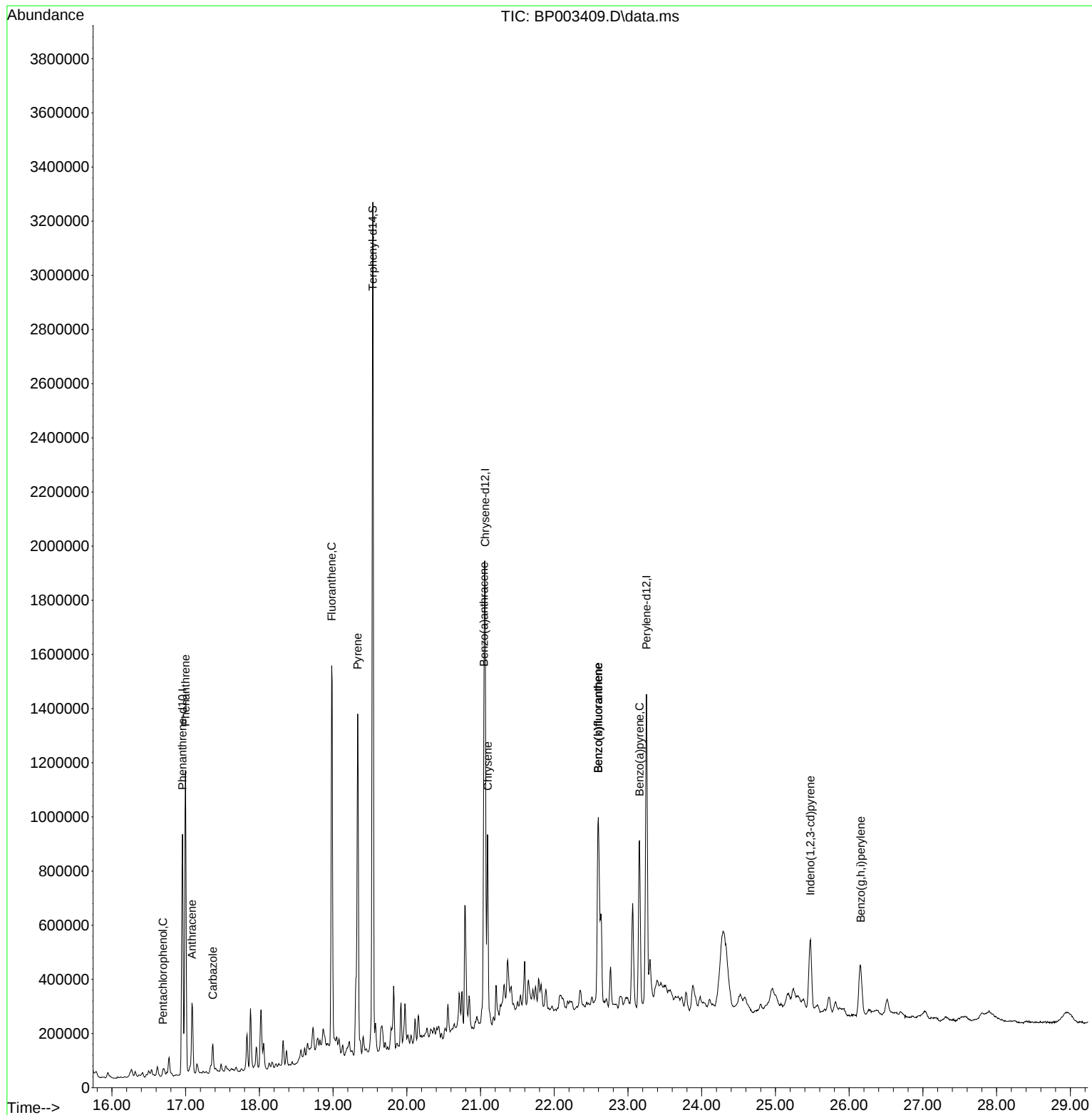
Quant Time: Sep 30 01:20:27 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 28 17:55:44 2020
Response via : Initial Calibration

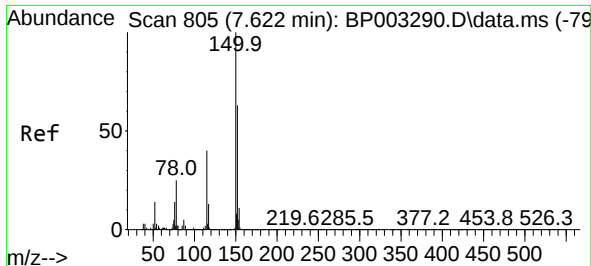


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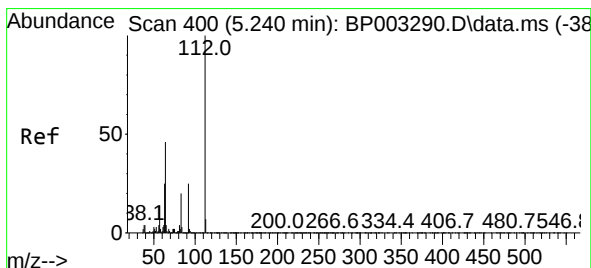
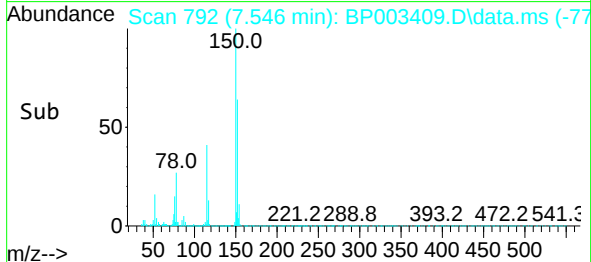
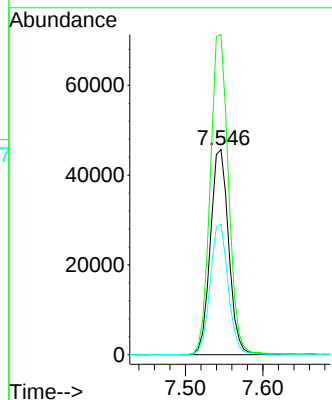
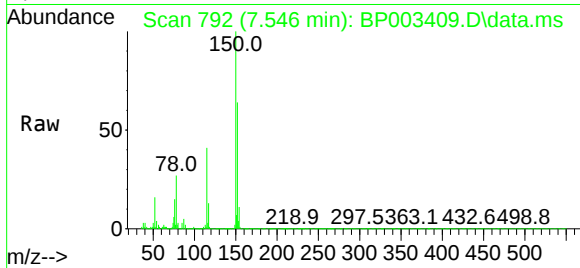




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.546 min Scan# 792
Delta R.T. -0.000 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

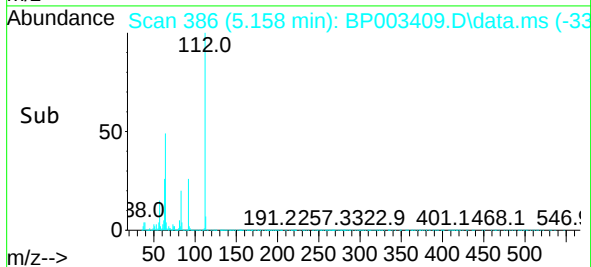
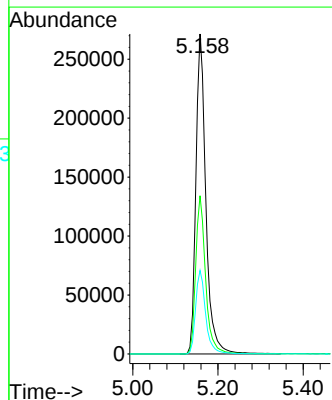
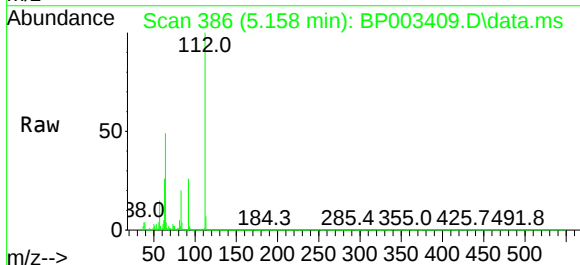
Instrument :
BNA_P
ClientSampleId :
B-6(3-4)

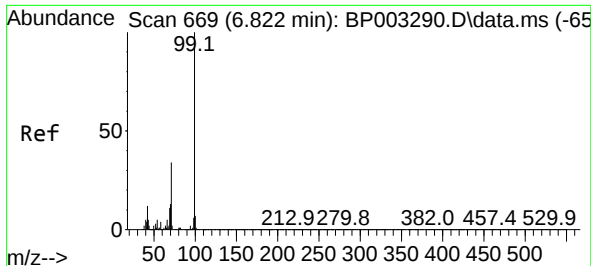
Tgt Ion:152 Resp: 75063
Ion Ratio Lower Upper
152 100
150 156.1 123.8 185.6
115 63.6 43.8 65.6



#5
2-Fluorophenol
Concen: 102.45 ng
RT: 5.158 min Scan# 386
Delta R.T. -0.006 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

Tgt Ion:112 Resp: 440397
Ion Ratio Lower Upper
112 100
64 49.5 32.8 49.2#
63 26.1 17.0 25.4#

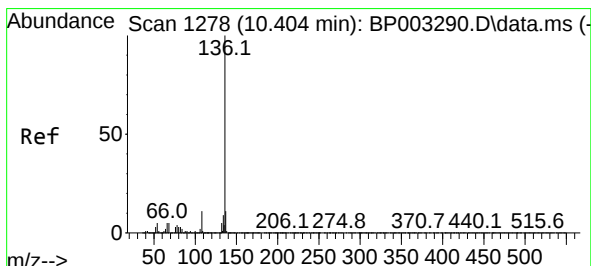
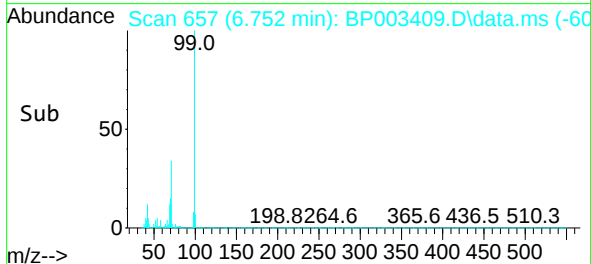
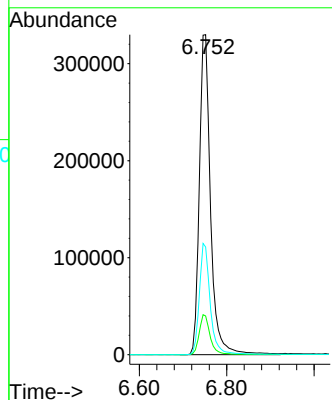
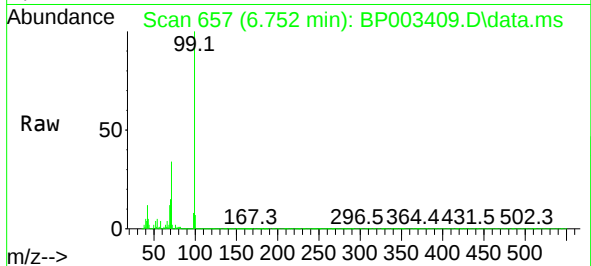




#7
Phenol-d6
Concen: 103.04 ng
RT: 6.752 min Scan# 657
Delta R.T. 0.000 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

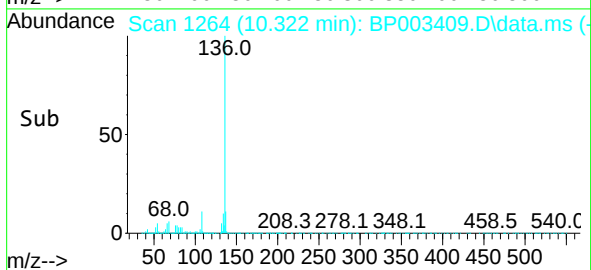
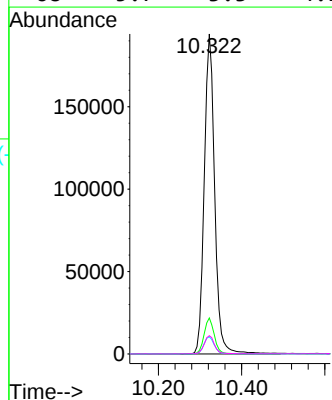
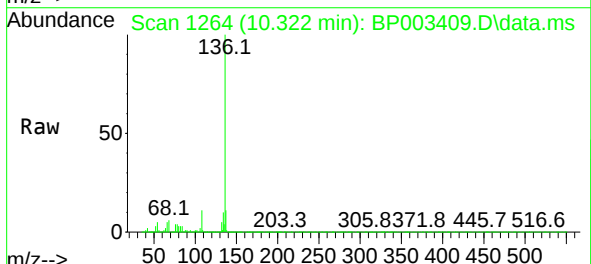
Instrument :
BNA_P
ClientSampleId :
B-6(3-4)

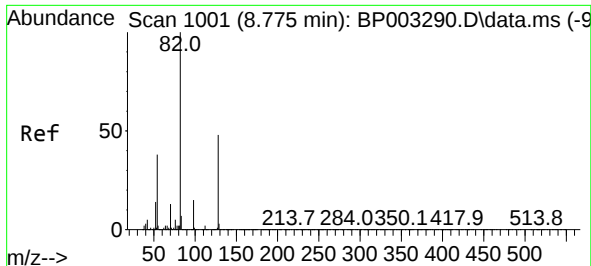
Tgt Ion: 99 Resp: 590409
Ion Ratio Lower Upper
99 100
42 12.1 8.6 13.0
71 33.7 23.4 35.2



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.322 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

Tgt Ion: 136 Resp: 337985
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 5.4 3.6 5.4
68 5.7 3.3 4.9

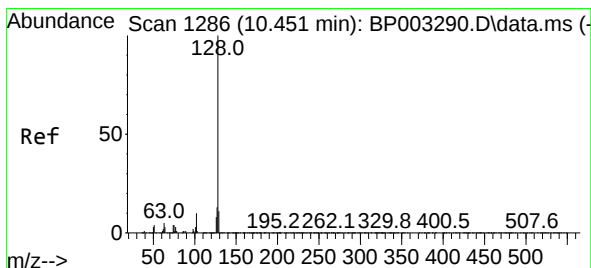
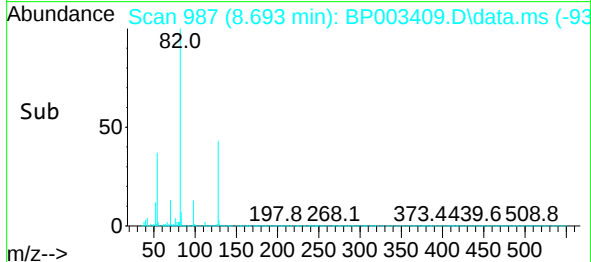
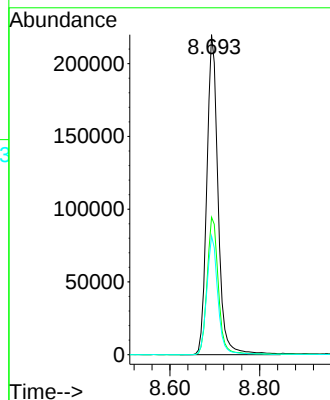
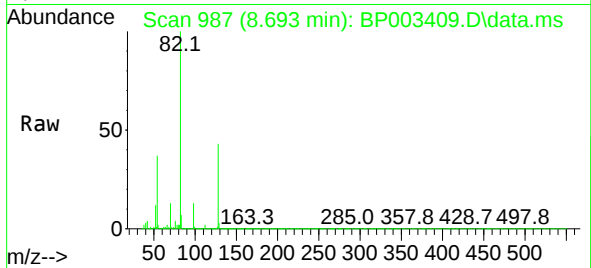




#23
Nitrobenzene-d5
Concen: 66.50 ng
RT: 8.693 min Scan# 987
Delta R.T. -0.012 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

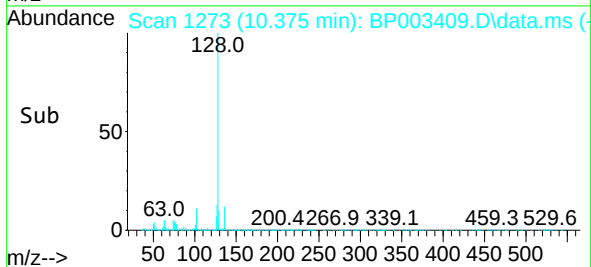
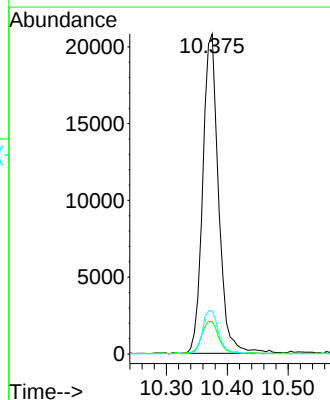
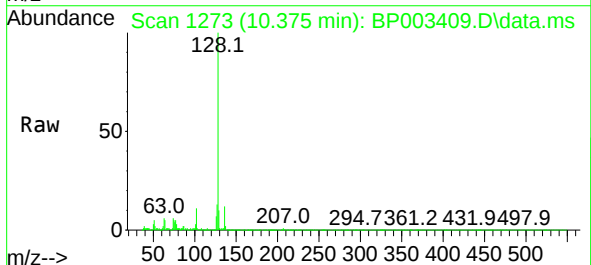
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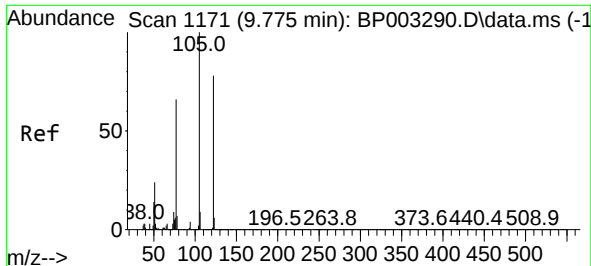
Tgt Ion: 82 Resp: 382556
Ion Ratio Lower Upper
82 100
128 42.9 45.6 68.4#
54 37.1 30.1 45.1



#31
Naphthalene
Concen: 2.10 ng
RT: 10.375 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

Tgt Ion: 128 Resp: 37520
Ion Ratio Lower Upper
128 100
129 10.0 8.8 13.2
127 13.5 10.6 15.8

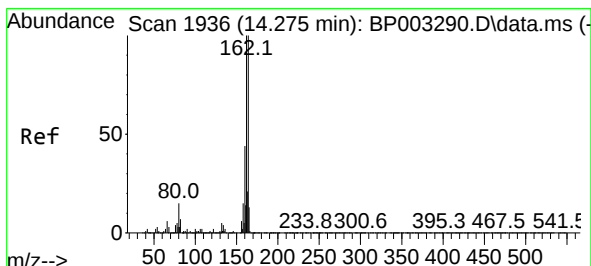
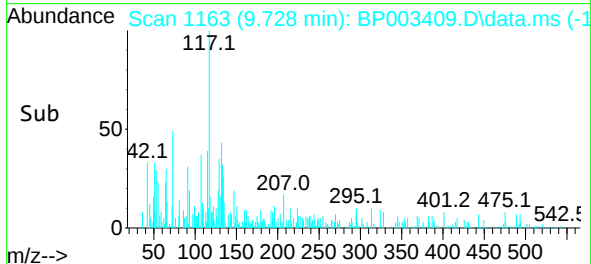
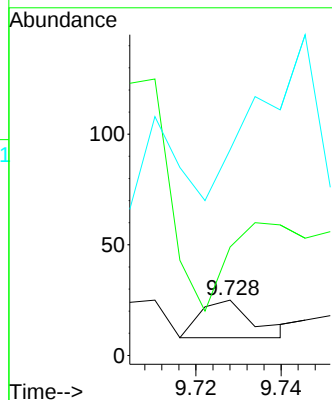
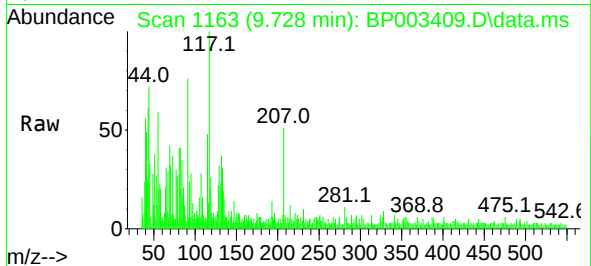




#32
Benzoic acid
Concen: 9.16 ng
RT: 9.728 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

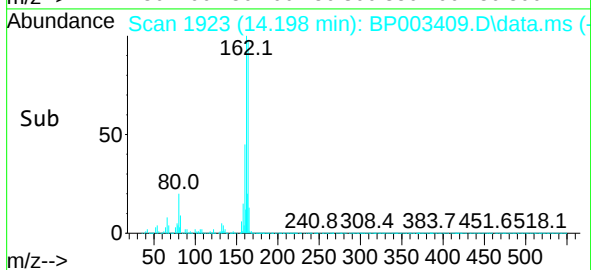
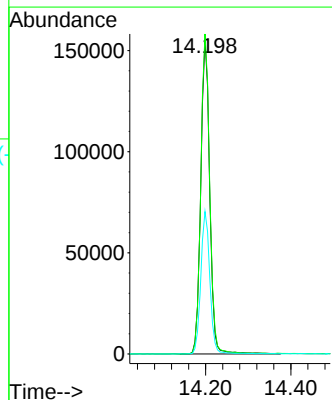
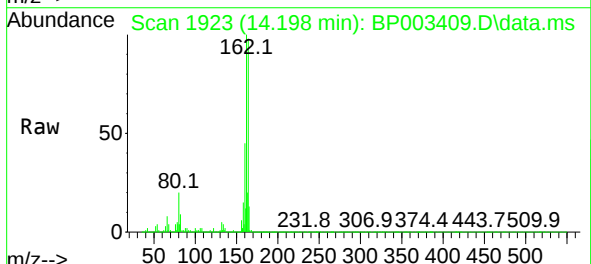
Instrument :
BNA_P
ClientSampleId :
B-6(3-4)

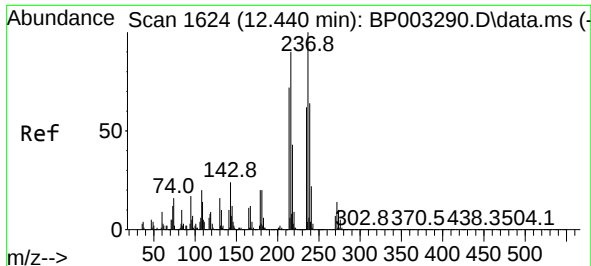
Tgt Ion:122 Resp: 15
Ion Ratio Lower Upper
122 100
105 196.0 94.1 134.1#
77 372.0 50.1 90.1#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.198 min Scan# 1923
Delta R.T. -0.012 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

Tgt Ion:164 Resp: 226898
Ion Ratio Lower Upper
164 100
162 101.8 79.4 119.2
160 45.3 36.1 54.1

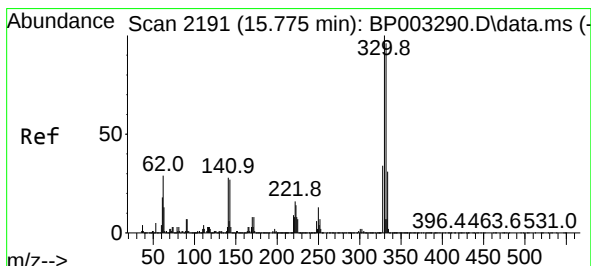
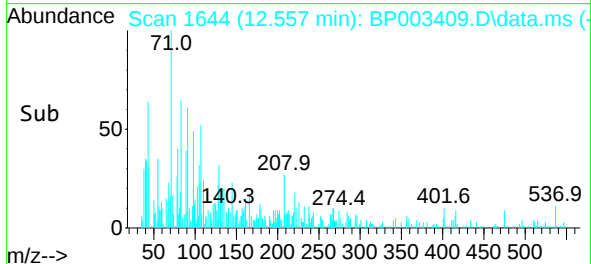
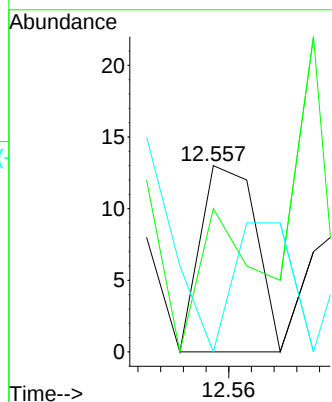
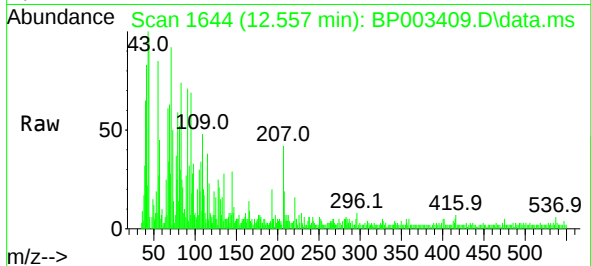




#41
Hexachlorocyclopentadiene
Concen: 6.84 ng
RT: 12.557 min Scan# 1644
Delta R.T. 0.188 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

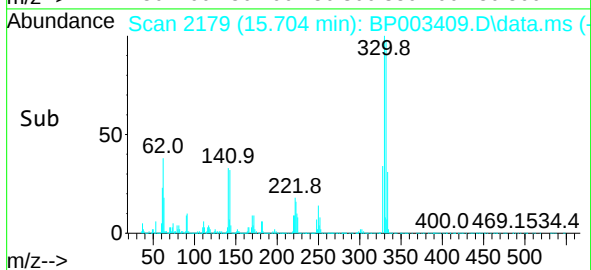
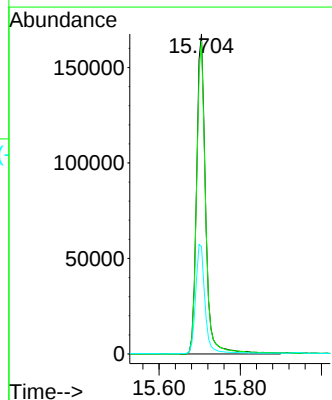
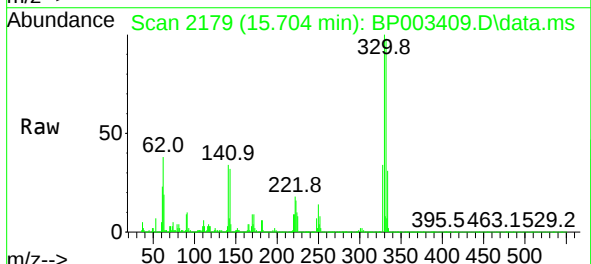
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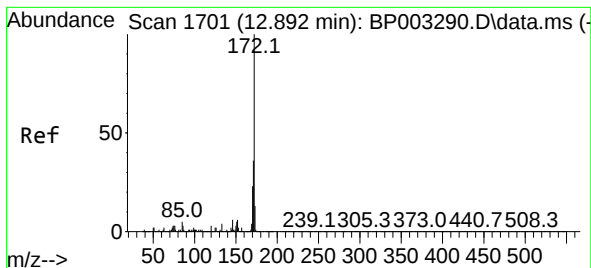
Tgt Ion:	237	Resp:	9
Ion	Ratio	Lower	Upper
237	100		
235	76.9	43.2	83.2
272	0.0	0.0	33.3



#42
2,4,6-Tribromophenol
Concen: 75.67 ng
RT: 15.704 min Scan# 2179
Delta R.T. -0.006 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

Tgt Ion:	330	Resp:	261868
Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.1	115.7
141	35.3	23.4	35.2#

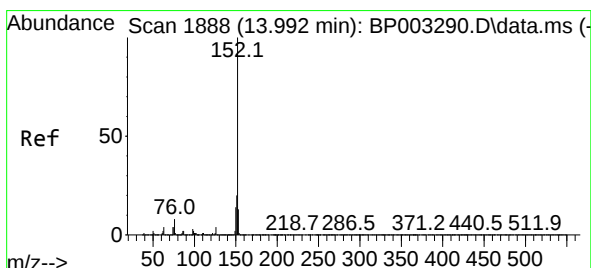
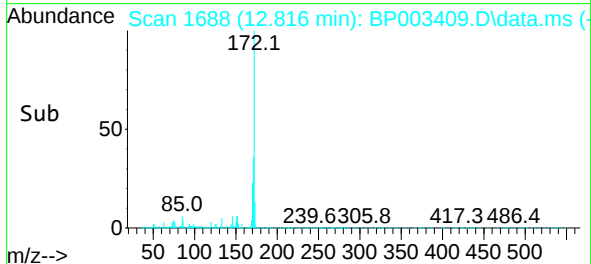
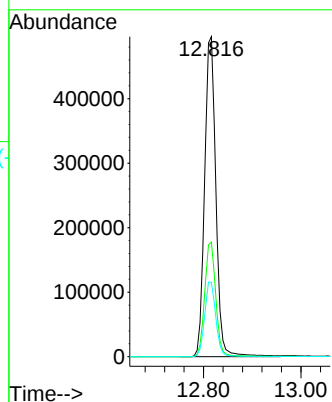
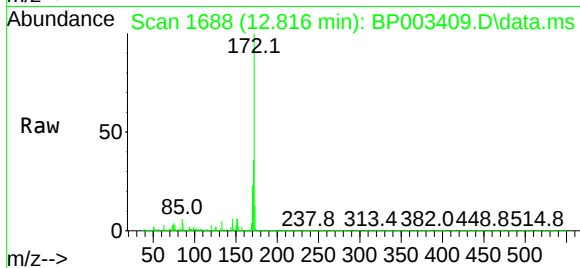




#45
2-Fluorobiphenyl
Concen: 51.22 ng
RT: 12.816 min Scan# 1688
Delta R.T. -0.006 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

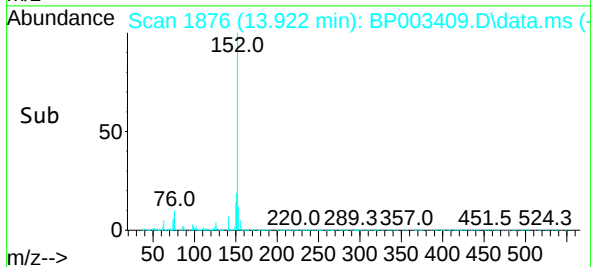
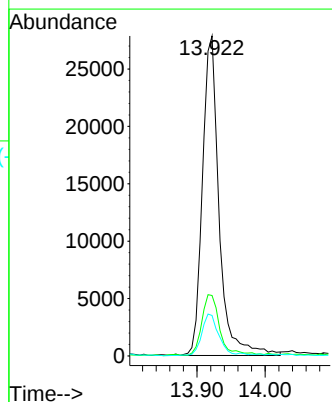
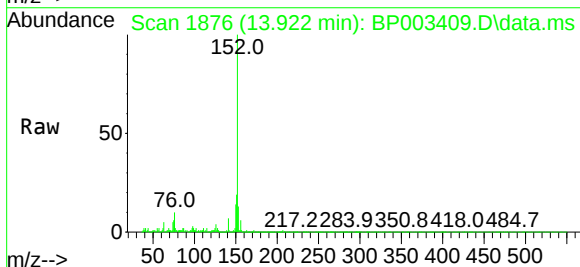
Instrument :
BNA_P
ClientSampleId :
B-6(3-4)

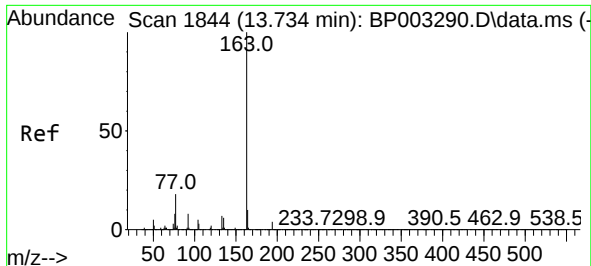
Tgt Ion:172 Resp: 794618
Ion Ratio Lower Upper
172 100
171 35.8 28.5 42.7
170 23.2 19.2 28.8



#49
Acenaphthylene
Concen: 2.21 ng
RT: 13.922 min Scan# 1876
Delta R.T. -0.006 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

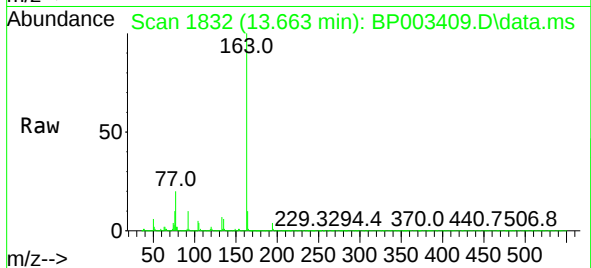
Tgt Ion:152 Resp: 47331
Ion Ratio Lower Upper
152 100
151 18.9 15.9 23.9
153 12.7 10.5 15.7



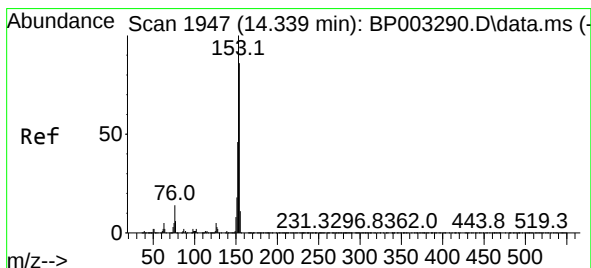
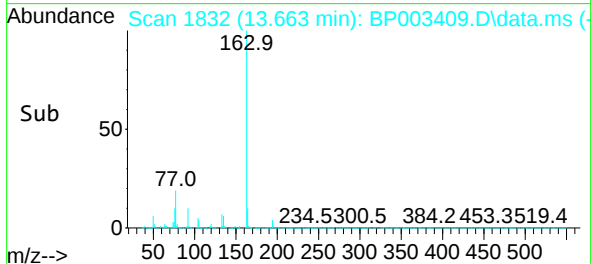
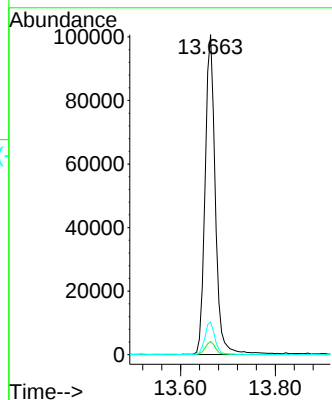


#50
Dimethylphthalate
Concen: 8.33 ng
RT: 13.663 min Scan# 1832
Delta R.T. -0.012 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

Instrument :
BNA_P
ClientSampled :
B-6(3-4)

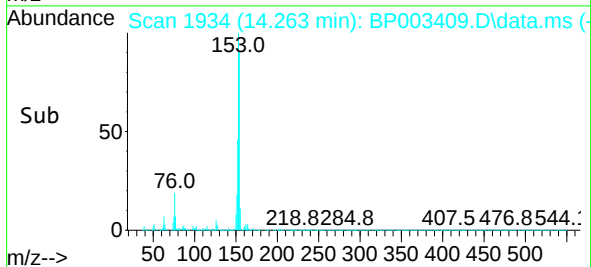
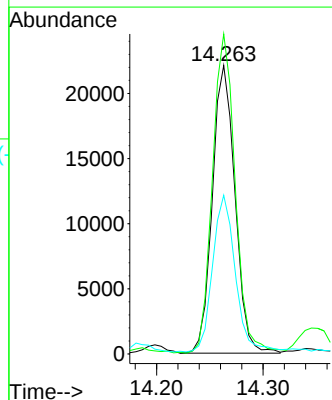
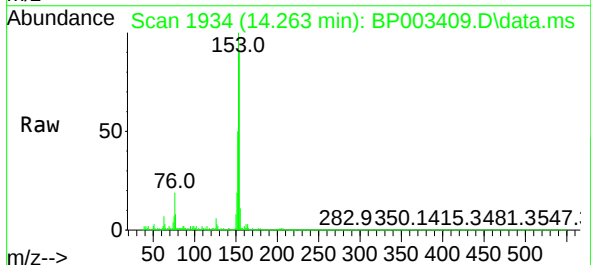


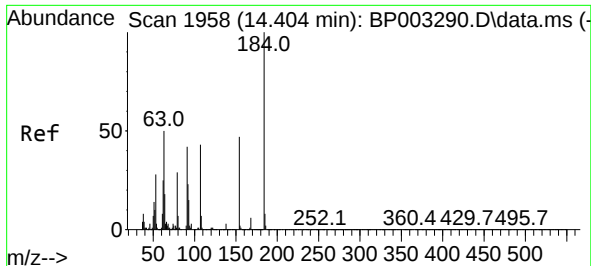
Tgt Ion:163 Resp: 150939
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.3 8.2 12.2



#52
Acenaphthene
Concen: 2.50 ng
RT: 14.263 min Scan# 1934
Delta R.T. -0.012 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

Tgt Ion:154 Resp: 32633
Ion Ratio Lower Upper
154 100
153 110.9 91.0 136.6
152 55.0 43.0 64.6

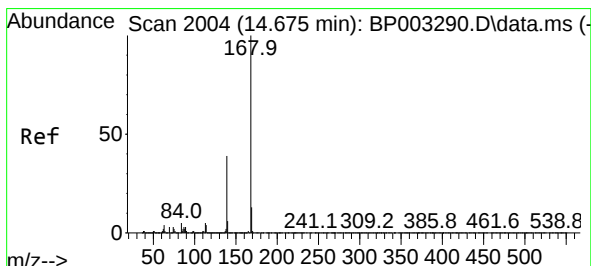
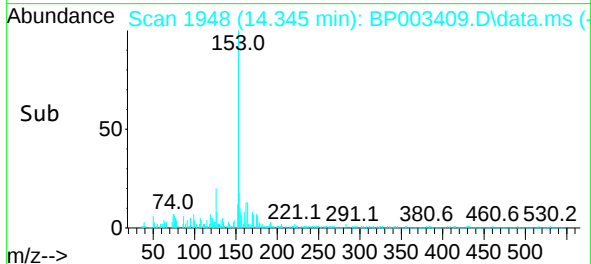
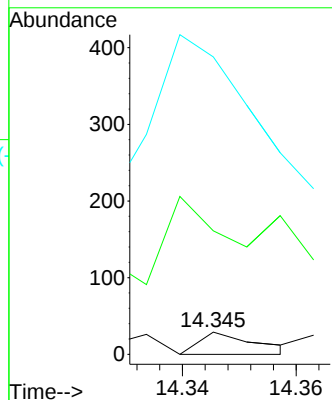
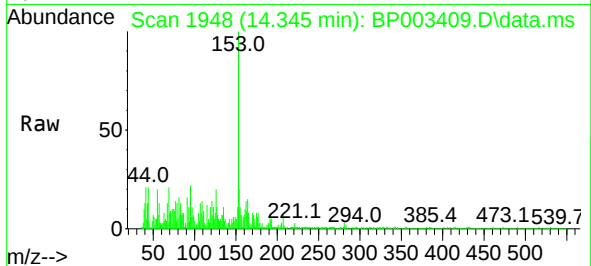




#54
2,4-Dinitrophenol
Concen: 7.26 ng
RT: 14.345 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

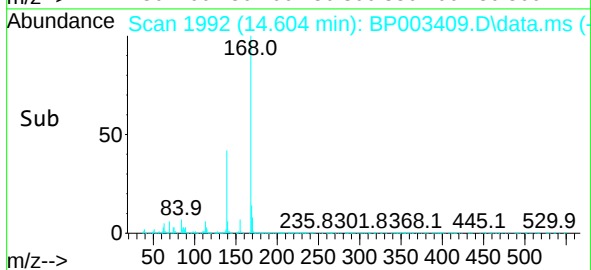
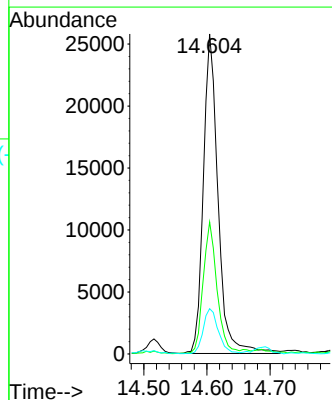
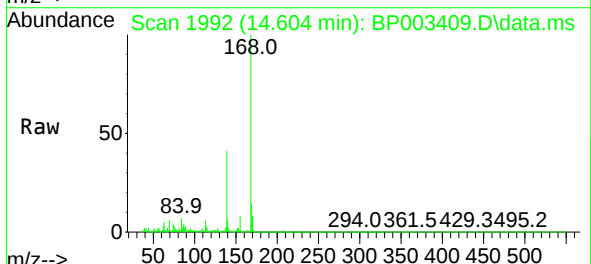
Instrument :
BNA_P
ClientSampled :
B-6(3-4)

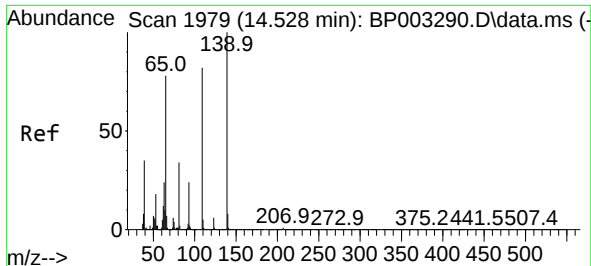
Tgt Ion:184 Resp: 20
Ion Ratio Lower Upper
184 100
63 555.2 32.3 48.5#
154 1337.9 49.1 73.7#



#55
Dibenzofuran
Concen: 2.00 ng
RT: 14.604 min Scan# 1992
Delta R.T. -0.006 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

Tgt Ion:168 Resp: 41659
Ion Ratio Lower Upper
168 100
139 41.2 29.1 43.7
169 14.2 10.4 15.6

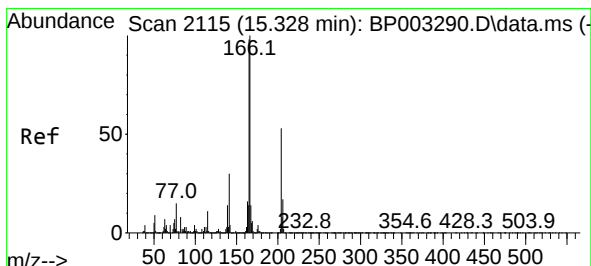
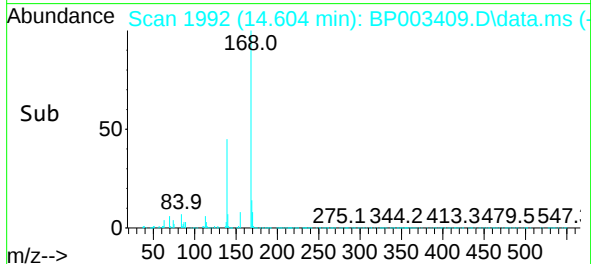
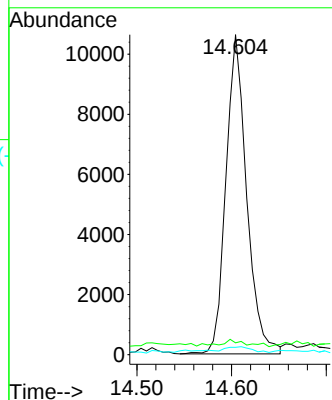
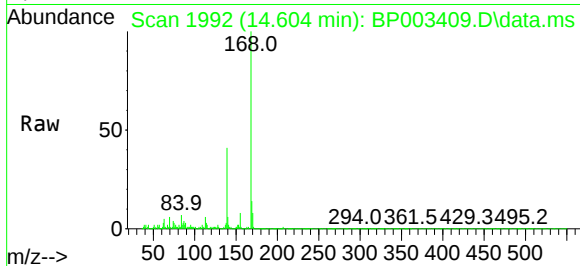




#56
4-Nitrophenol
Concen: 6.29 ng
RT: 14.604 min Scan# 1992
Delta R.T. 0.124 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

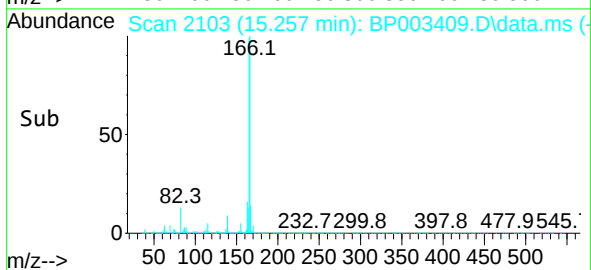
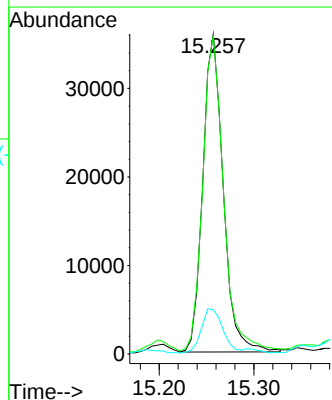
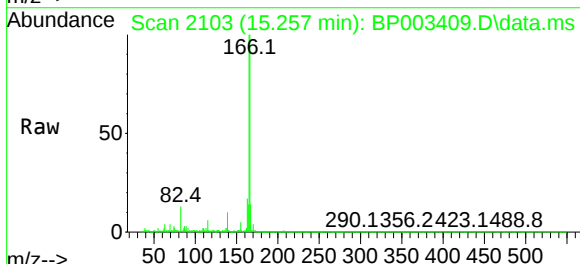
Instrument :
BNA_P
ClientSampleId :
B-6(3-4)

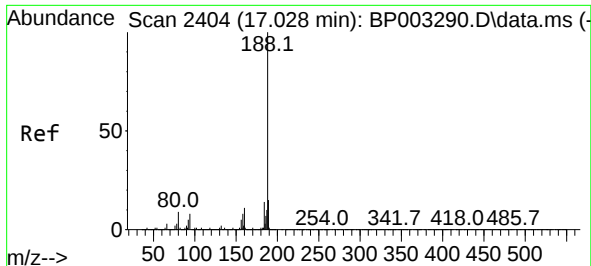
Tgt Ion:139 Resp: 16173
Ion Ratio Lower Upper
139 100
109 3.7 44.6 84.6#
65 2.3 41.6 81.6#



#58
Fluorene
Concen: 3.28 ng
RT: 15.257 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

Tgt Ion:166 Resp: 53890
Ion Ratio Lower Upper
166 100
165 99.6 77.8 116.8
167 13.8 11.0 16.4

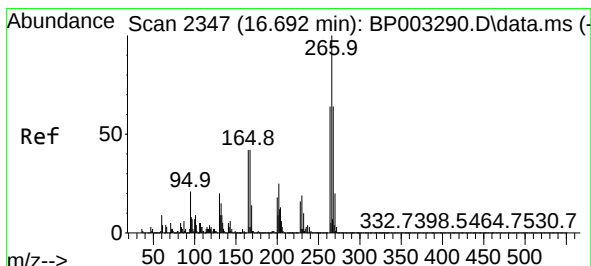
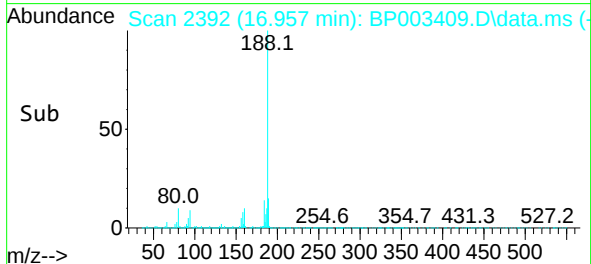
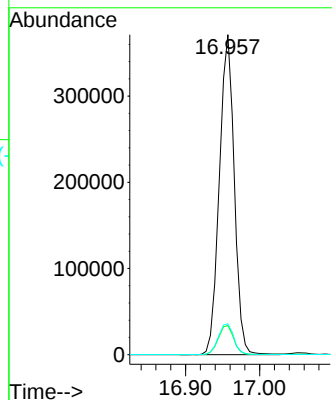
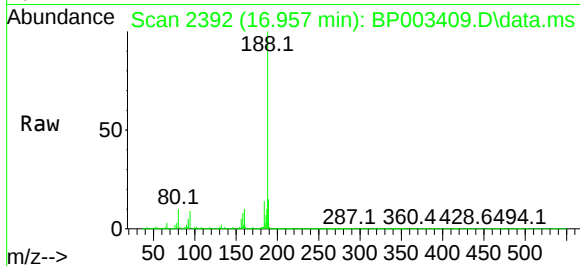




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.957 min Scan# 2392
Delta R.T. -0.006 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

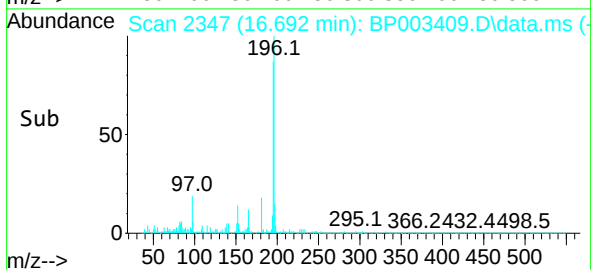
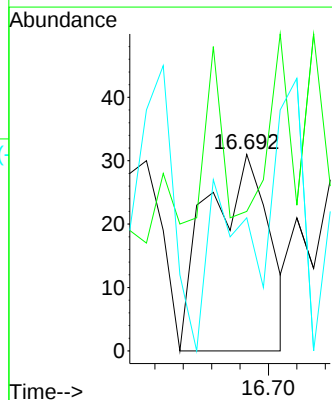
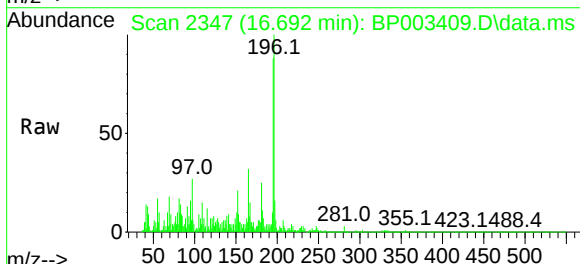
Instrument :
BNA_P
ClientSampled :
B-6(3-4)

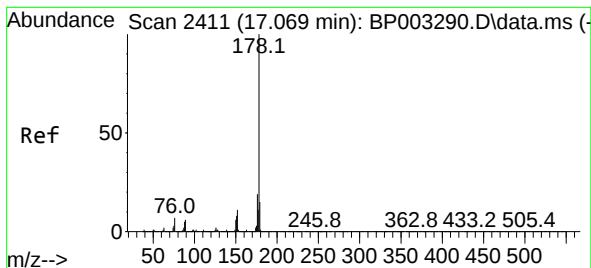
Tgt Ion:188 Resp: 519526
Ion Ratio Lower Upper
188 100
94 9.1 6.2 9.2
80 9.6 6.2 9.2#



#70
Pentachlorophenol
Concen: 6.78 ng
RT: 16.692 min Scan# 2347
Delta R.T. 0.053 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

Tgt Ion:266 Resp: 47
Ion Ratio Lower Upper
266 100
268 71.0 51.1 76.7
264 67.7 50.6 76.0





#71

Phenanthrene

Concen: 22.32 ng

RT: 16.998 min Scan# 2399

Delta R.T. -0.012 min

Lab File: BP003409.D

Acq: 29 Sep 2020 20:46

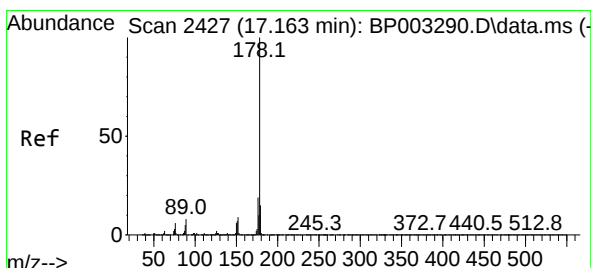
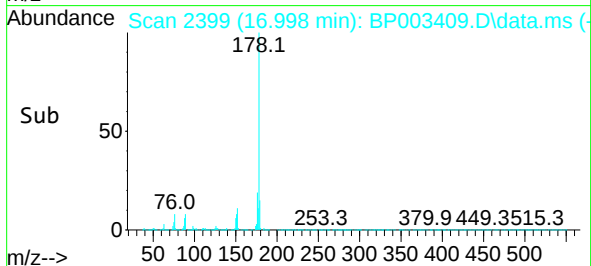
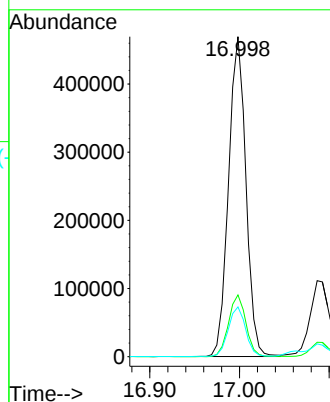
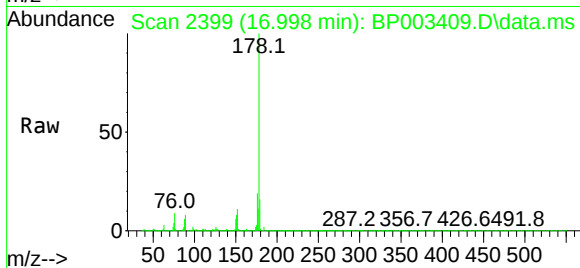
Instrument :

BNA_P

ClientSampleId :

B-6(3-4)

Tgt Ion:178	Resp: 631008
Ion Ratio	Lower Upper
178 100	
176 19.3	15.3 22.9
179 15.5	12.5 18.7



#72

Anthracene

Concen: 5.90 ng

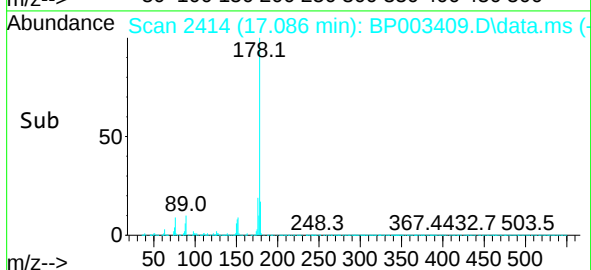
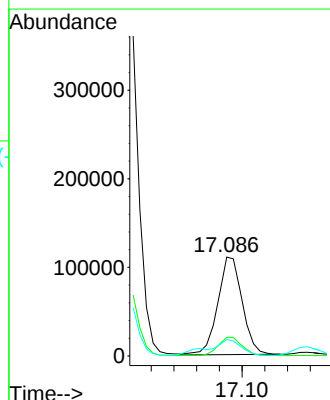
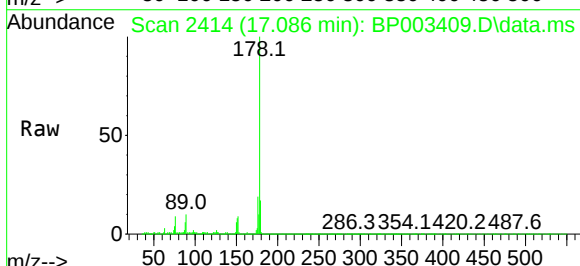
RT: 17.086 min Scan# 2414

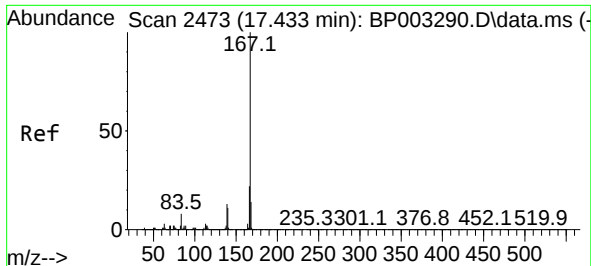
Delta R.T. -0.012 min

Lab File: BP003409.D

Acq: 29 Sep 2020 20:46

Tgt Ion:178	Resp: 164308
Ion Ratio	Lower Upper
178 100	
176 18.9	15.0 22.4
179 16.8	12.5 18.7

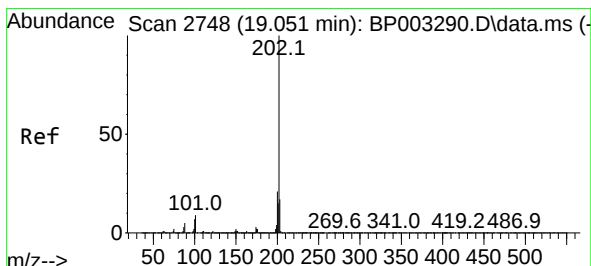
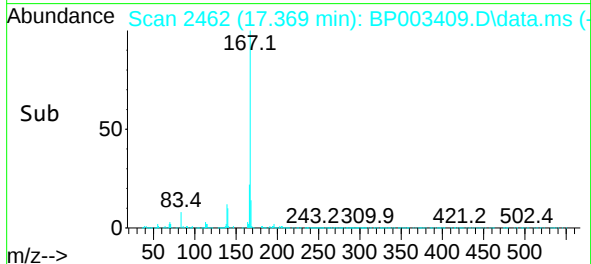
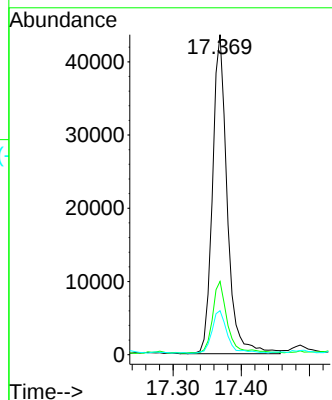
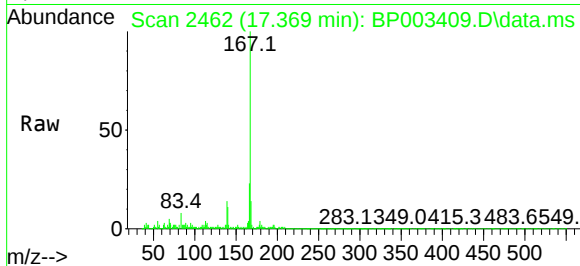




#73
 Carbazole
 Concen: 2.48 ng
 RT: 17.369 min Scan# 2462
 Delta R.T. -0.006 min
 Lab File: BP003409.D
 Acq: 29 Sep 2020 20:46

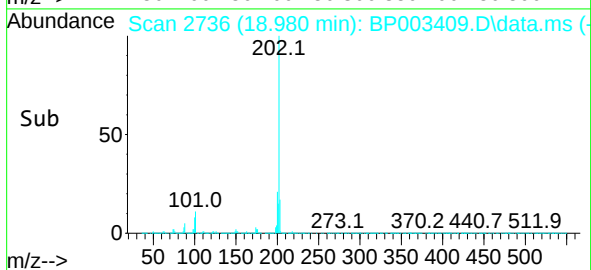
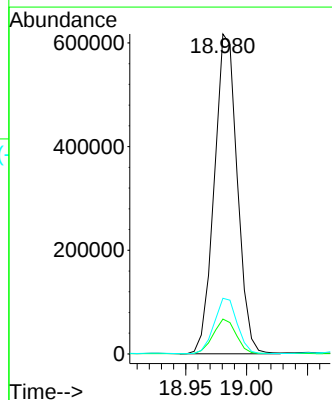
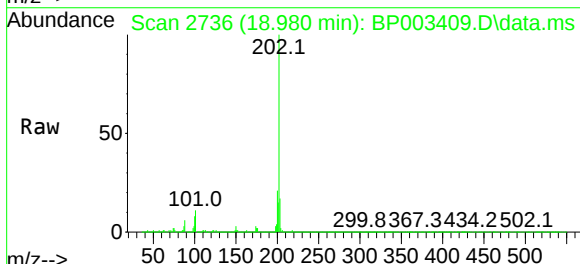
Instrument :
 BNA_P
 ClientSampleId :
 B-6(3-4)

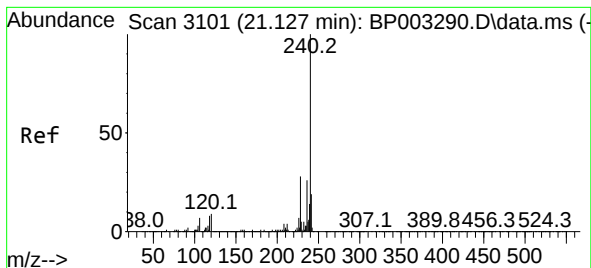
Tgt Ion:	167	Resp:	65514
Ion Ratio	Lower	Upper	
167	100		
166	22.9	17.6	26.4
139	13.8	10.2	15.4



#75
 Fluoranthene
 Concen: 22.78 ng
 RT: 18.980 min Scan# 2736
 Delta R.T. -0.012 min
 Lab File: BP003409.D
 Acq: 29 Sep 2020 20:46

Tgt Ion:	202	Resp:	809642
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	29.4
203	17.4	0.0	37.8

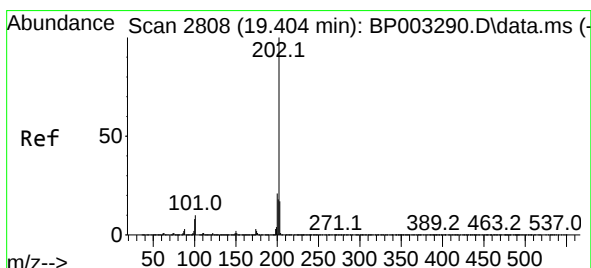
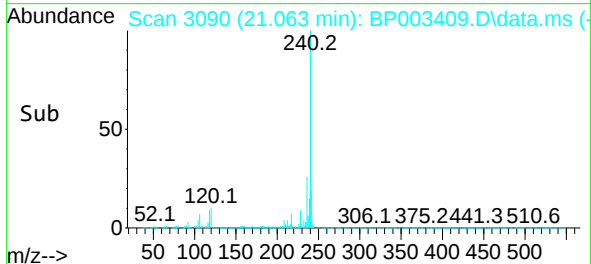
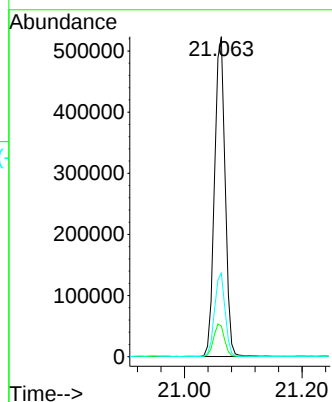
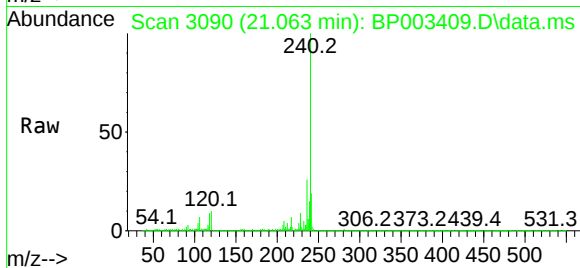




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.063 min Scan# 3090
Delta R.T. -0.012 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

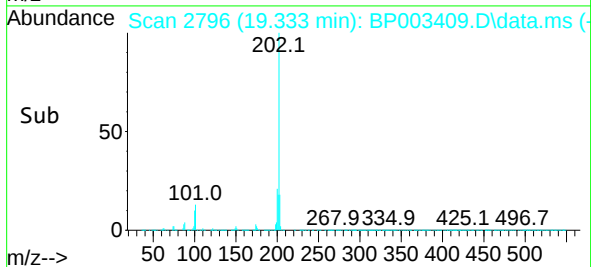
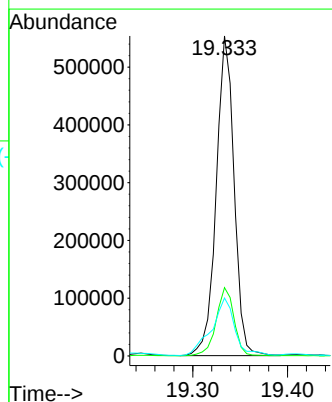
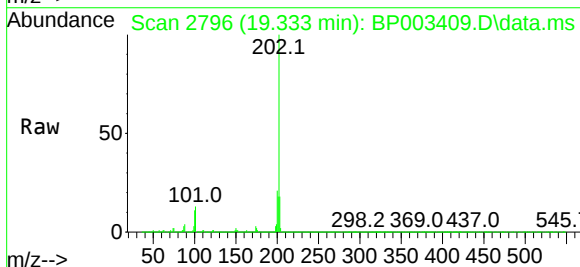
Instrument :
BNA_P
ClientSampled :
B-6(3-4)

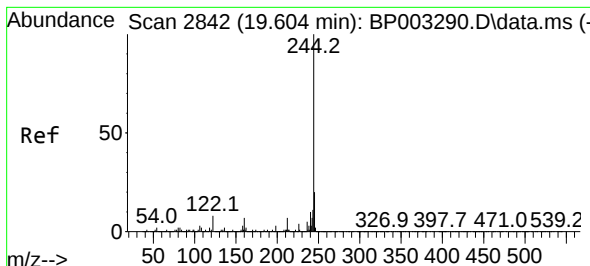
Tgt Ion:240 Resp: 655335
Ion Ratio Lower Upper
240 100
120 9.6 7.8 11.6
236 26.1 20.8 31.2



#78
Pyrene
Concen: 17.77 ng
RT: 19.333 min Scan# 2796
Delta R.T. -0.012 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

Tgt Ion:202 Resp: 726085
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 18.1 14.2 21.2





#79

Terphenyl-d14

Concen: 39.50 ng

RT: 19.539 min Scan# 2831

Delta R.T. -0.012 min

Lab File: BP003409.D

Acq: 29 Sep 2020 20:46

Instrument :

BNA_P

ClientSampleId :

B-6(3-4)

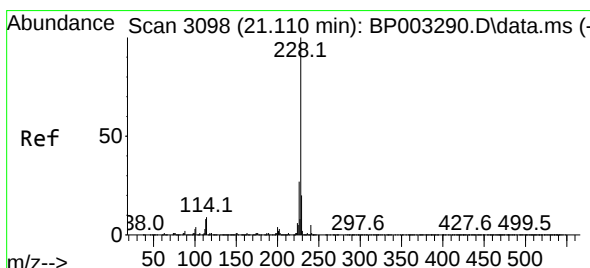
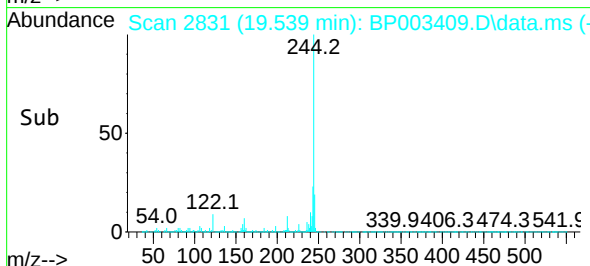
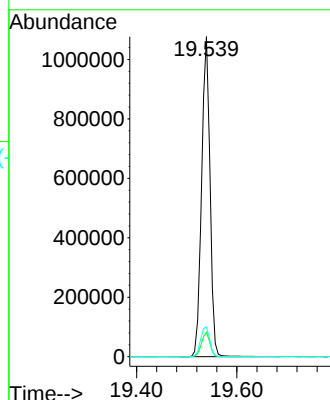
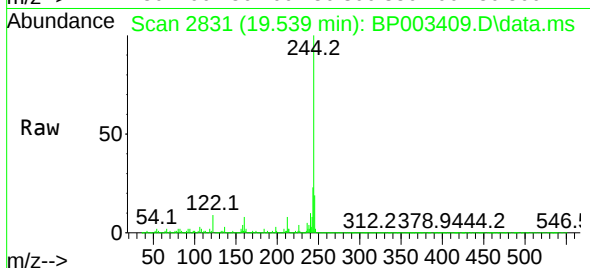
Tgt Ion:244 Resp: 1242472

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

122 9.3 7.8 11.8



#81

Benzo(a)anthracene

Concen: 10.64 ng

RT: 21.045 min Scan# 3087

Delta R.T. -0.012 min

Lab File: BP003409.D

Acq: 29 Sep 2020 20:46

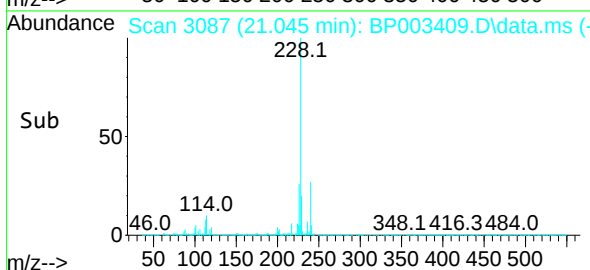
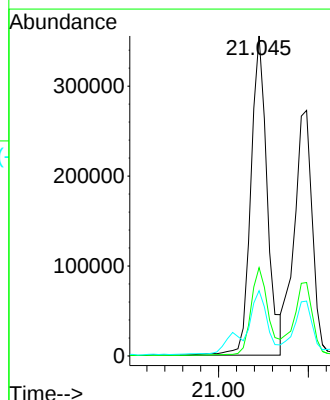
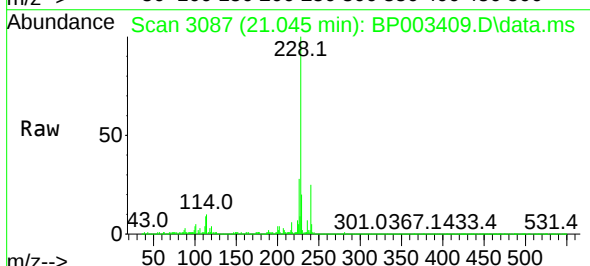
Tgt Ion:228 Resp: 450739

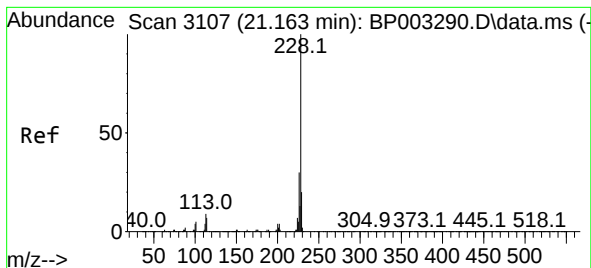
Ion Ratio Lower Upper

228 100

226 27.6 22.1 33.1

229 20.4 15.9 23.9





#83

Chrysene

Concen: 9.38 ng

RT: 21.098 min Scan# 3096

Delta R.T. -0.012 min

Lab File: BP003409.D

Acq: 29 Sep 2020 20:46

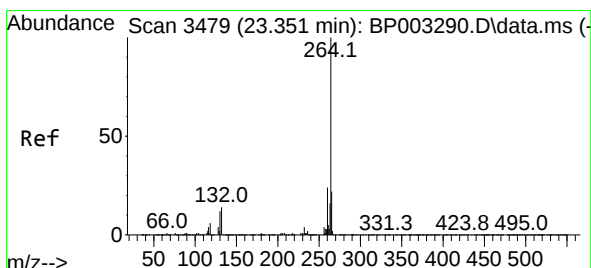
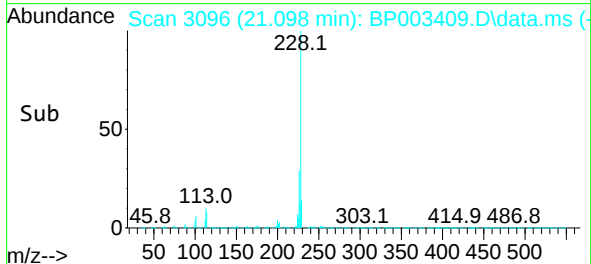
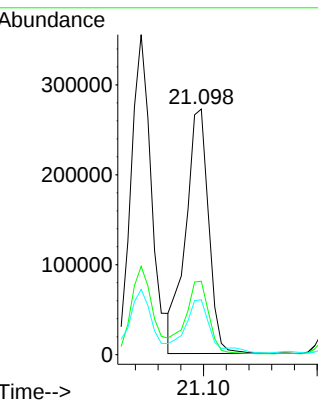
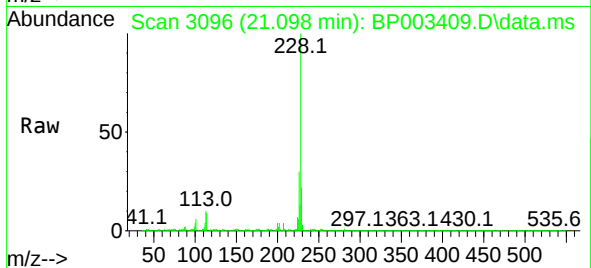
Tgt Ion:228 Resp: 381950

Ion Ratio Lower Upper

228 100

226 29.9 24.4 36.6

229 22.3 15.8 23.6



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.251 min Scan# 3462

Delta R.T. -0.012 min

Lab File: BP003409.D

Acq: 29 Sep 2020 20:46

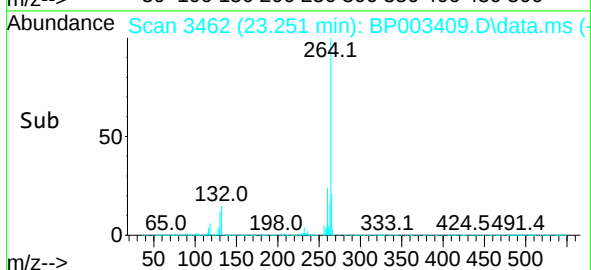
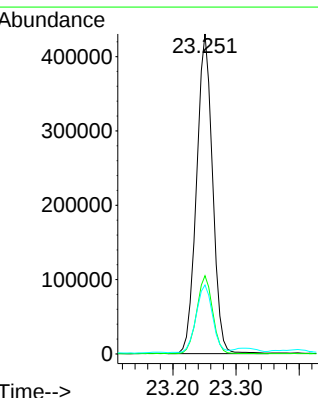
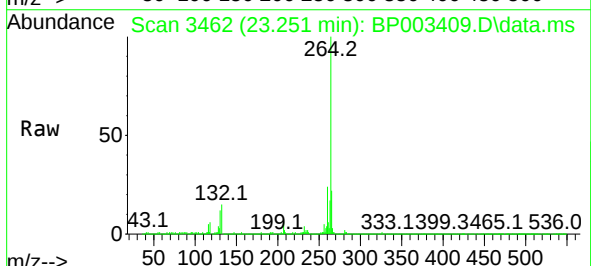
Tgt Ion:264 Resp: 755788

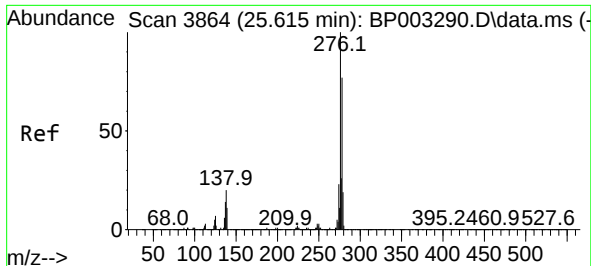
Ion Ratio Lower Upper

264 100

260 24.5 18.8 28.2

265 21.5 17.4 26.2

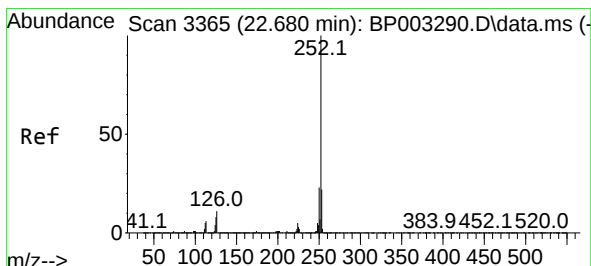
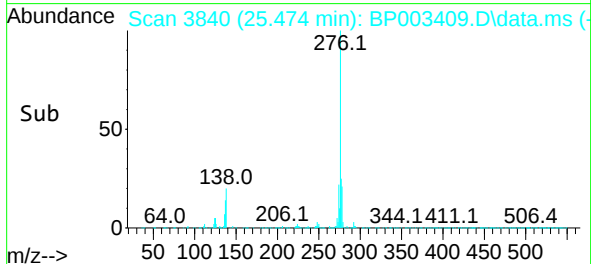
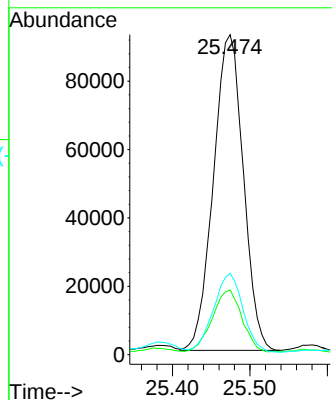
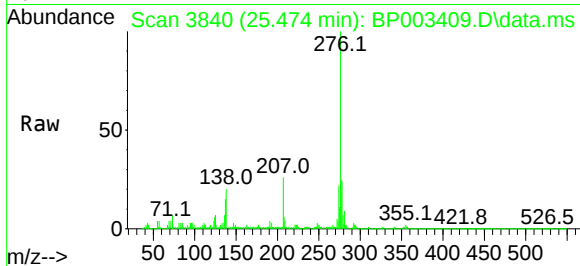




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.32 ng
RT: 25.474 min Scan# 3840
Delta R.T. -0.029 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

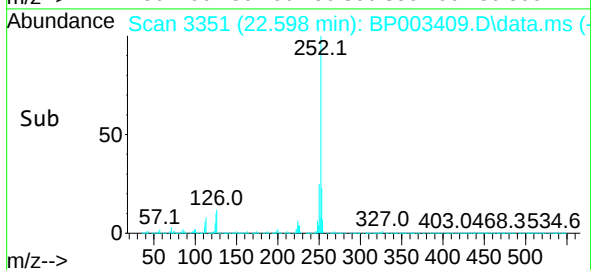
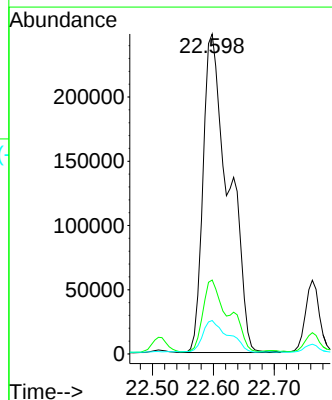
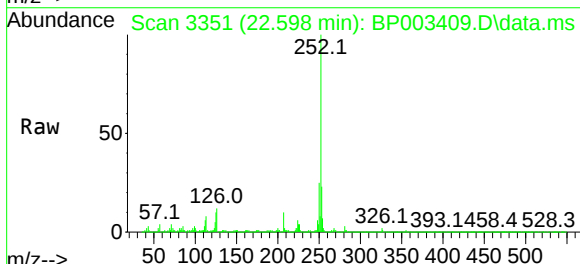
Instrument :
BNA_P
ClientSampleId :
B-6(3-4)

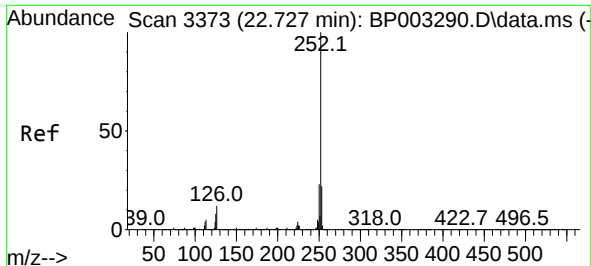
Tgt Ion:276 Resp: 247751
Ion Ratio Lower Upper
276 100
138 19.7 18.7 28.1
277 24.6 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 15.17 ng
RT: 22.598 min Scan# 3351
Delta R.T. -0.012 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

Tgt Ion:252 Resp: 724074
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 10.5 7.3 10.9

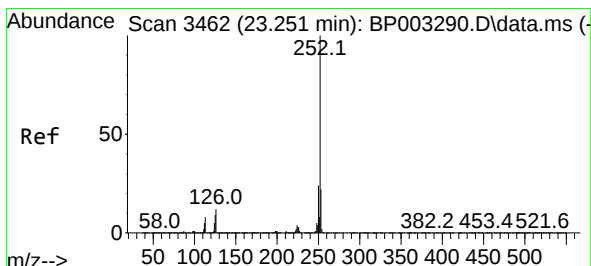
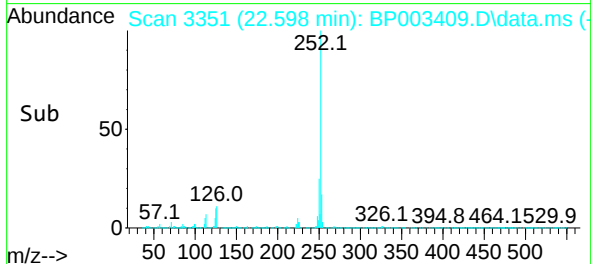
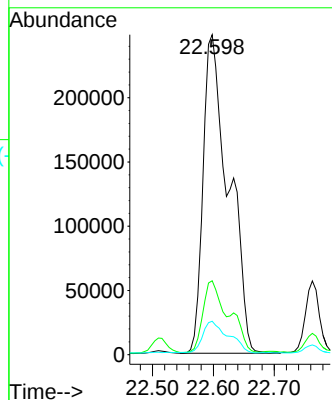
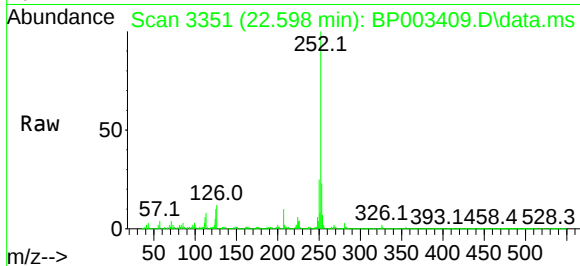




#89
Benzo(k)fluoranthene
Concen: 15.83 ng
RT: 22.598 min Scan# 3351
Delta R.T. -0.053 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

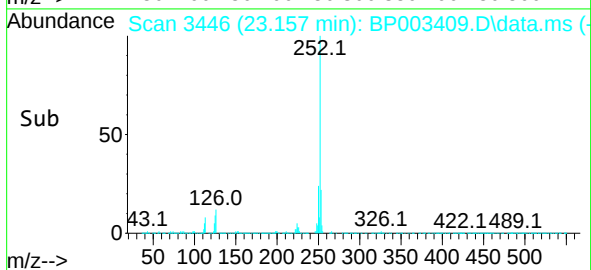
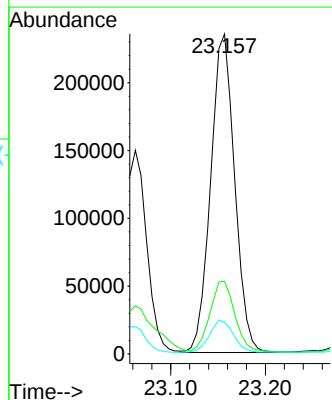
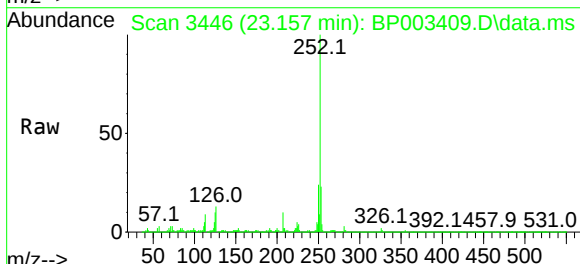
Instrument :
BNA_P
ClientSampleId :
B-6(3-4)

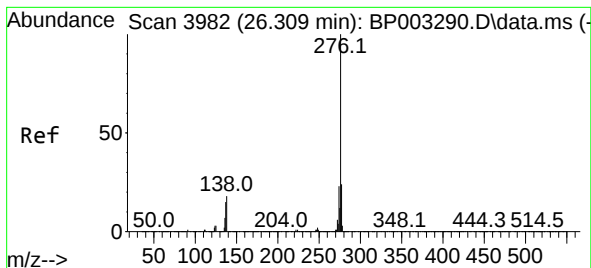
Tgt Ion:252 Resp: 724074
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 10.5 7.4 11.2



#90
Benzo(a)pyrene
Concen: 9.21 ng
RT: 23.157 min Scan# 3446
Delta R.T. -0.017 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

Tgt Ion:252 Resp: 414487
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 9.9 8.2 12.4





#92

Benzo(g,h,i)perylene

Concen: 4.97 ng

RT: 26.157 min Scan# 3956

Delta R.T. -0.029 min

Lab File: BP003409.D

Acq: 29 Sep 2020 20:46

Instrument :

BNA_P

ClientSampleId :

B-6(3-4)

Tgt Ion:276 Resp: 234502

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.6

138 20.0 16.6 24.8

