

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
 Data File : BP003407.D
 Acq On : 29 Sep 2020 19:38
 Operator : CG/JU
 Sample : L4154-09DL 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-5(11-13)DL

Quant Time: Sep 30 01:19:43 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)

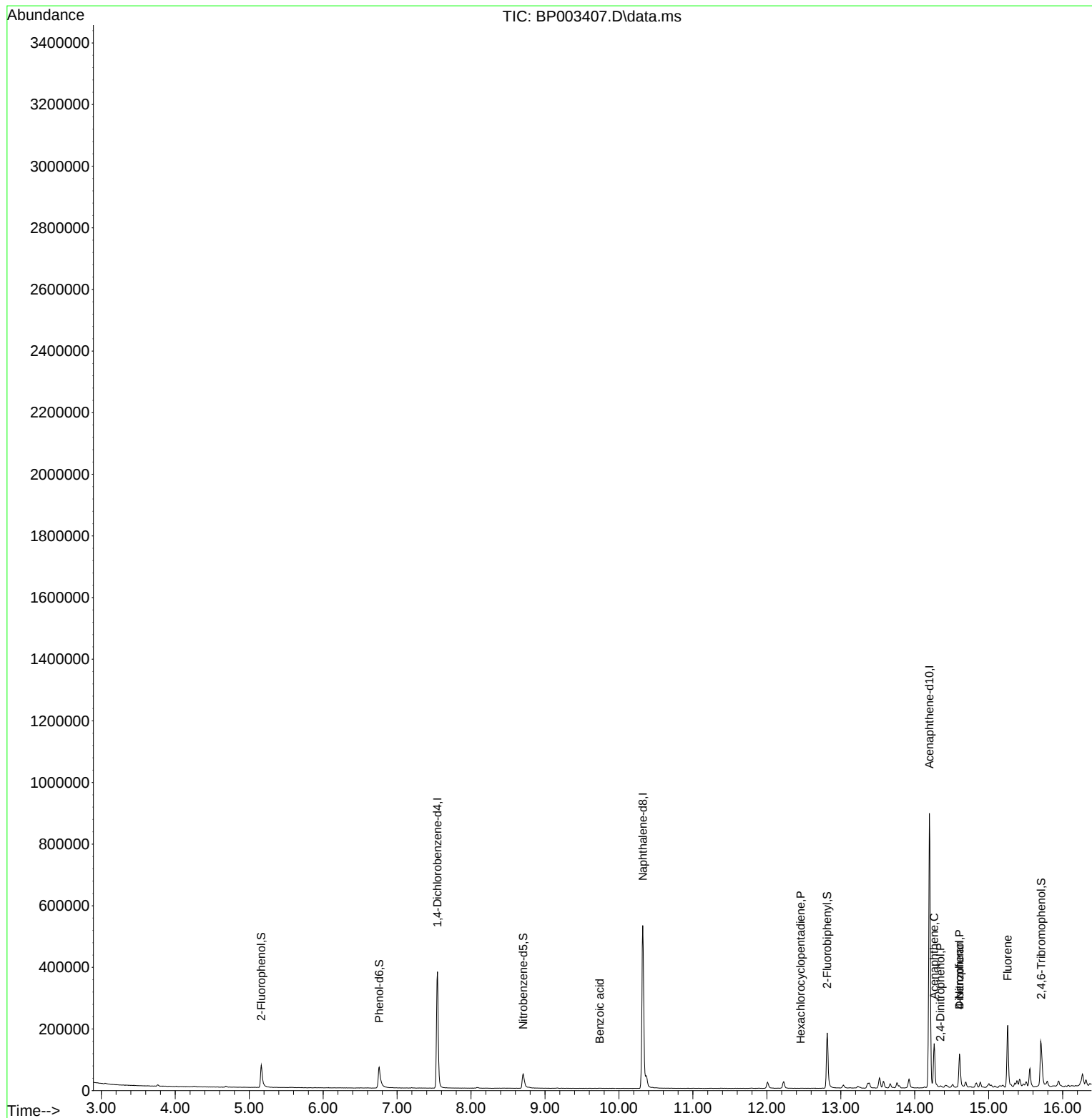
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.546	152	108204	20.00	ng	0.00
21) Naphthalene-d8	10.322	136	474380	20.00	ng	# 0.00
39) Acenaphthene-d10	14.198	164	301681	20.00	ng	-0.01
64) Phenanthrene-d10	16.957	188	662850	20.00	ng	# 0.00
76) Chrysene-d12	21.063	240	760867	20.00	ng	-0.01
86) Perylene-d12	23.251	264	838656	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.164	112	44203	7.13	ng	0.00
7) Phenol-d6	6.758	99	62897	7.61	ng	0.00
23) Nitrobenzene-d5	8.704	82	41662	5.16	ng	0.00
42) 2,4,6-Tribromophenol	15.710	330	21292	4.63	ng	0.00
45) 2-Fluorobiphenyl	12.816	172	106805	5.18	ng	0.00
79) Terphenyl-d14	19.539	244	171436	4.69	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	9.740	122	23	9.16	ng	# 1
41) Hexachlorocyclopentadiene	12.457	237	12	6.84	ng	90
52) Acenaphthene	14.263	154	48945	2.83	ng	97
54) 2,4-Dinitrophenol	14.345	184	34	7.26	ng	# 1
55) Dibenzofuran	14.604	168	71361	2.58	ng	96
56) 4-Nitrophenol	14.604	139	27675	8.09	ng	# 21
58) Fluorene	15.257	166	87367	4.00	ng	99
70) Pentachlorophenol	16.628	266	16	6.77	ng	100
71) Phenanthrene	16.998	178	1223779	33.93	ng	99
72) Anthracene	17.092	178	389113	10.95	ng	99
73) Carbazole	17.369	167	101783	3.01	ng	99
75) Fluoranthene	18.986	202	1637326	36.11	ng	99
78) Pyrene	19.339	202	1298876	27.37	ng	100
81) Benzo(a)anthracene	21.045	228	772276	15.70	ng	100
83) Chrysene	21.098	228	640294	13.55	ng	98
87) Indeno(1,2,3-cd)pyrene	25.474	276	350860	5.52	ng	96
88) Benzo(b)fluoranthene	22.598	252	1116151	21.08	ng	99
89) Benzo(k)fluoranthene	22.598	252	1116151	21.99	ng	99
90) Benzo(a)pyrene	23.157	252	586056	11.74	ng	99
92) Benzo(g,h,i)perylene	26.151	276	311039	5.94	ng	99

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

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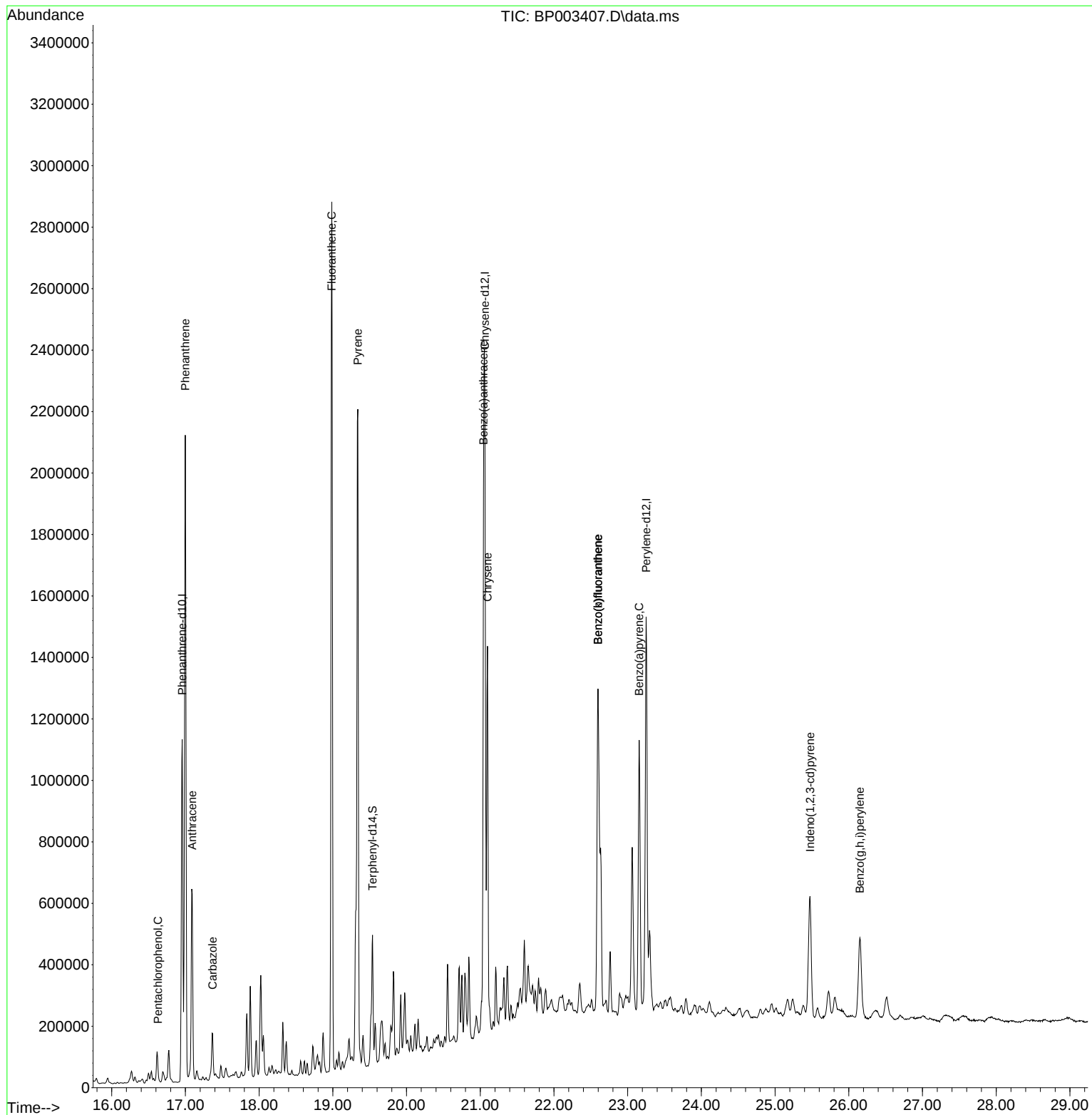
Quant Time: Sep 30 01:19:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
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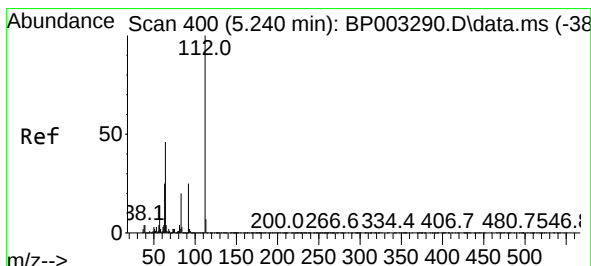
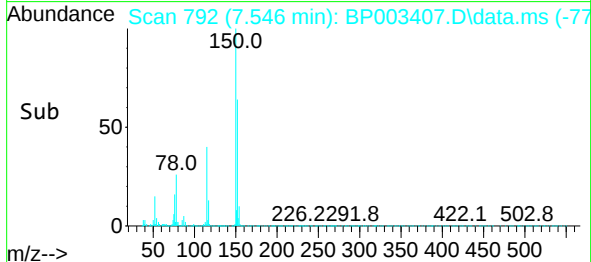
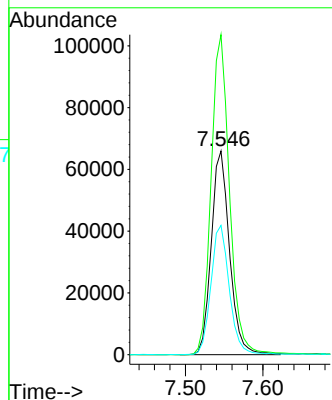
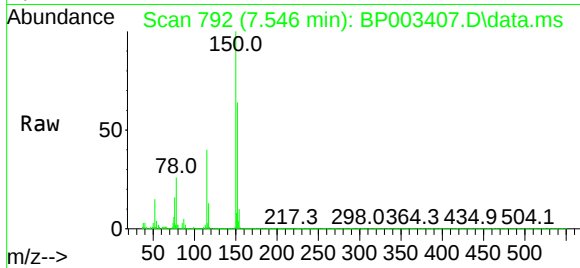




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.546 min Scan# 792
Delta R.T. -0.000 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

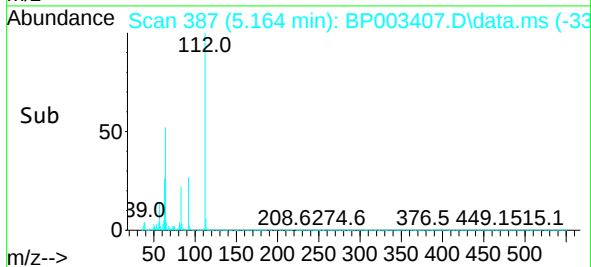
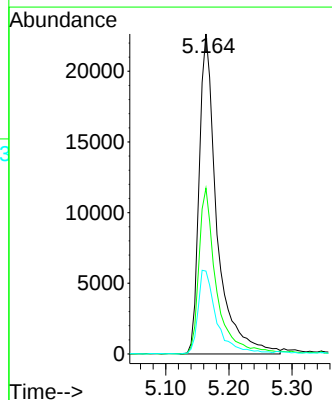
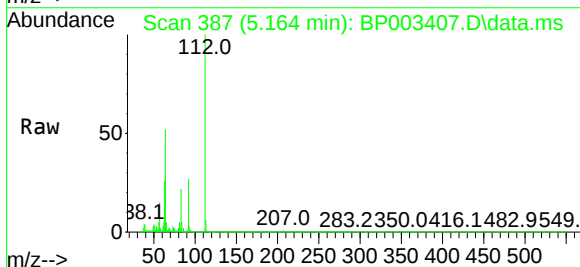
Instrument :
BNA_P
ClientSampleId :
B-5(11-13)DL

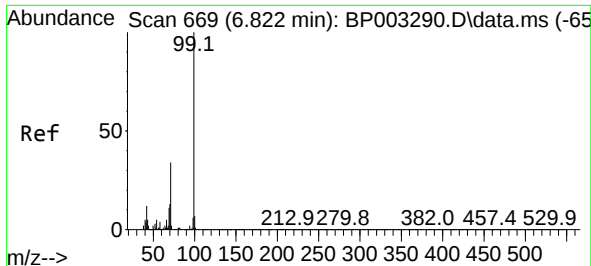
Tgt Ion:152 Resp: 108204
Ion Ratio Lower Upper
152 100
150 157.1 123.8 185.6
115 63.4 43.8 65.6



#5
2-Fluorophenol
Concen: 7.13 ng
RT: 5.164 min Scan# 387
Delta R.T. 0.000 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:112 Resp: 44203
Ion Ratio Lower Upper
112 100
64 51.8 32.8 49.2#
63 25.9 17.0 25.4#

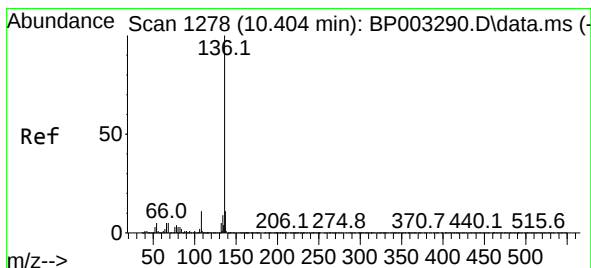
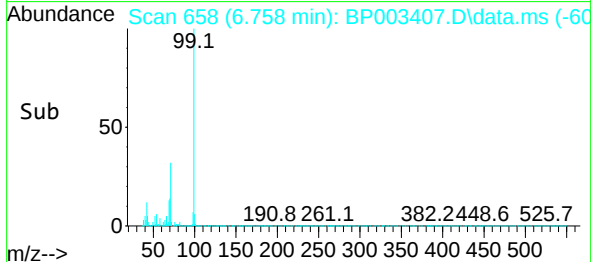
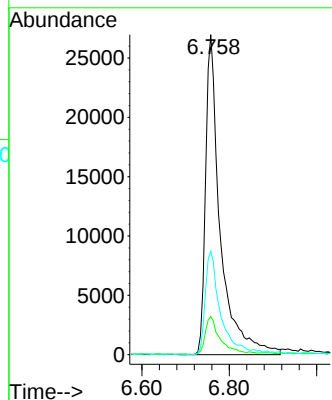
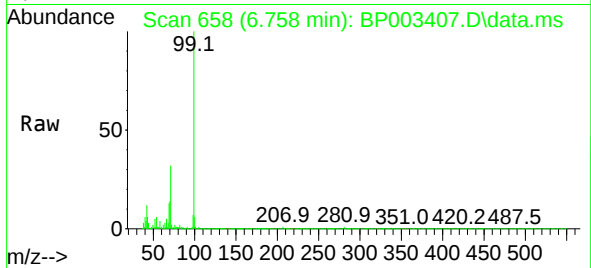




#7
Phenol-d6
Concen: 7.61 ng
RT: 6.758 min Scan# 658
Delta R.T. 0.006 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

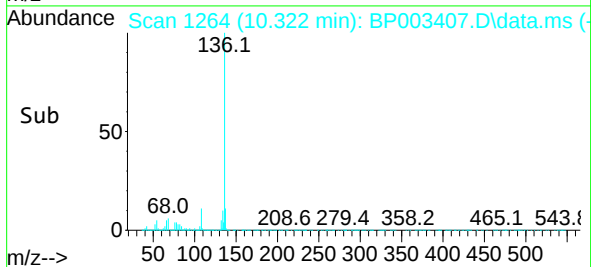
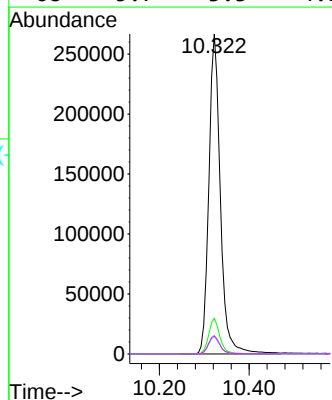
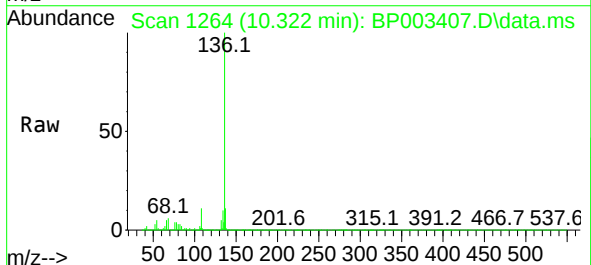
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ClientSampleId :
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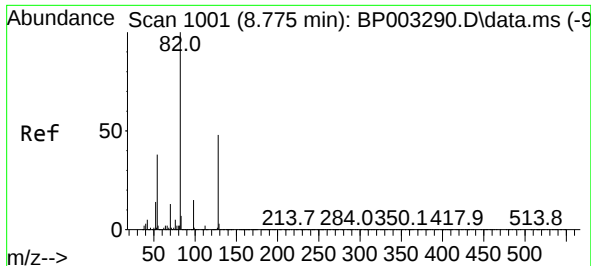
Tgt Ion: 99 Resp: 62897
Ion Ratio Lower Upper
99 100
42 11.9 8.6 13.0
71 32.3 23.4 35.2



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.322 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion: 136 Resp: 474380
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 5.5 3.6 5.4#
68 5.7 3.3 4.9#

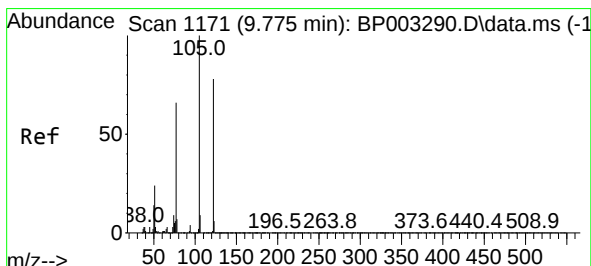
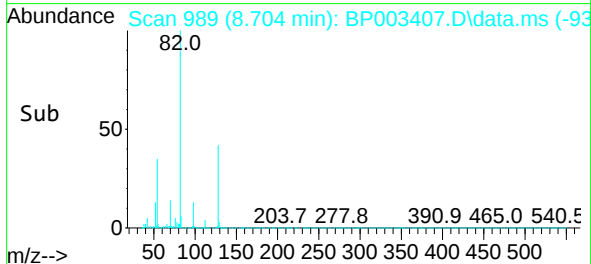
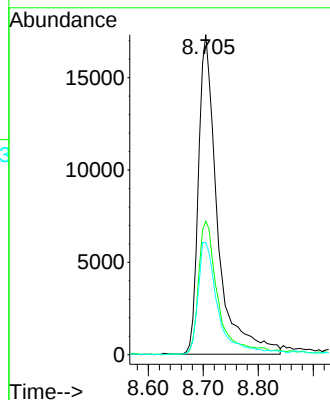
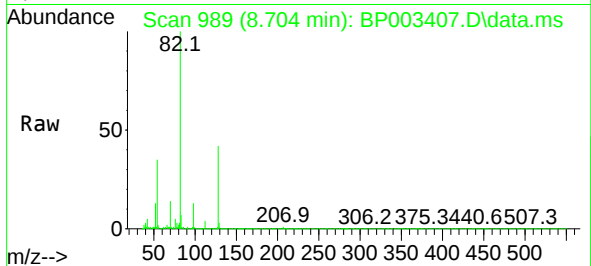




#23
Nitrobenzene-d5
Concen: 5.16 ng
RT: 8.704 min Scan# 989
Delta R.T. 0.000 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

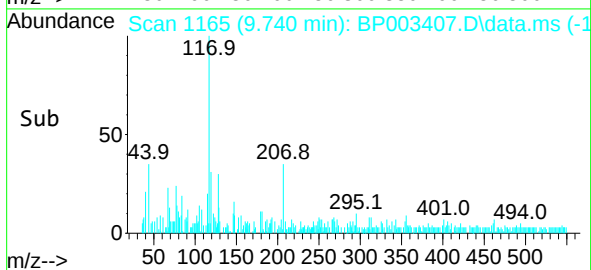
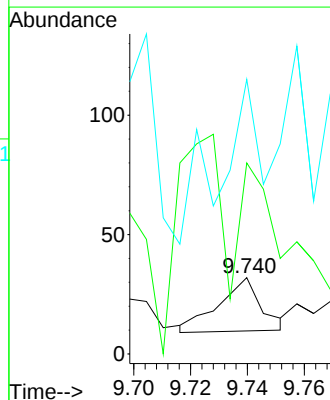
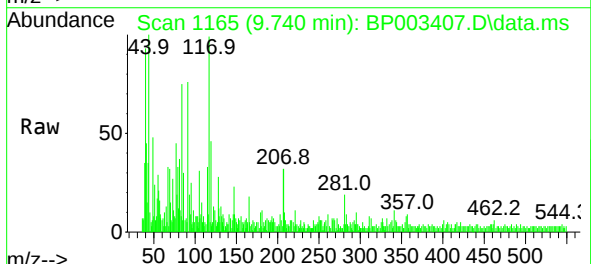
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ClientSampleId :
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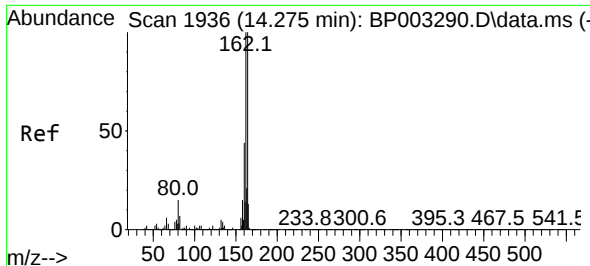
Tgt Ion: 82 Resp: 41662
Ion Ratio Lower Upper
82 100
128 41.7 45.6 68.4#
54 35.0 30.1 45.1



#32
Benzoic acid
Concen: 9.16 ng
RT: 9.740 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BP003407.D
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Tgt Ion: 122 Resp: 23
Ion Ratio Lower Upper
122 100
105 250.0 94.1 134.1#
77 359.4 50.1 90.1#

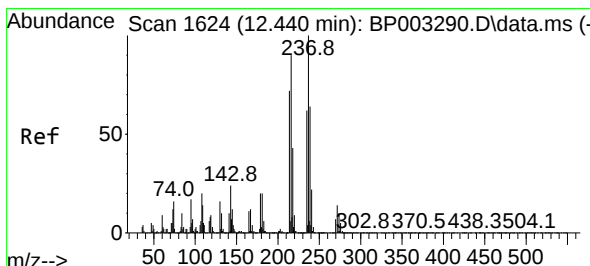
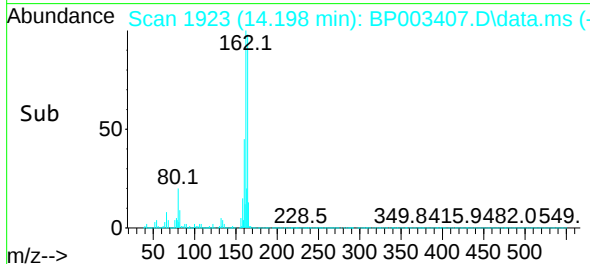
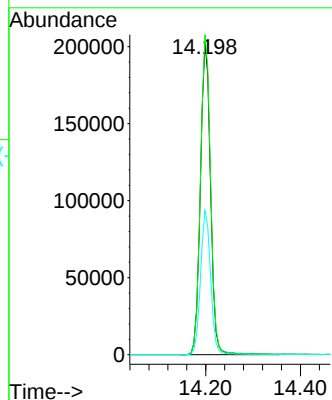
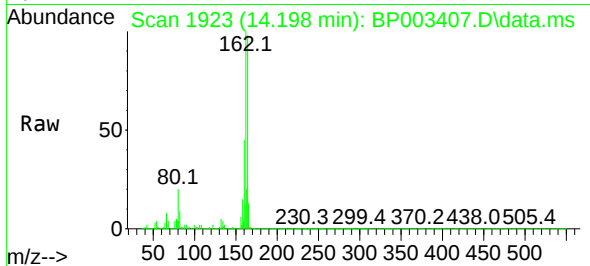




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.198 min Scan# 1923
Delta R.T. -0.012 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

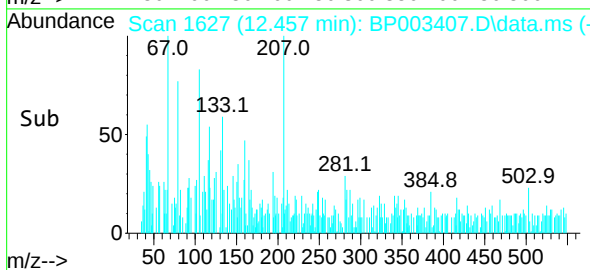
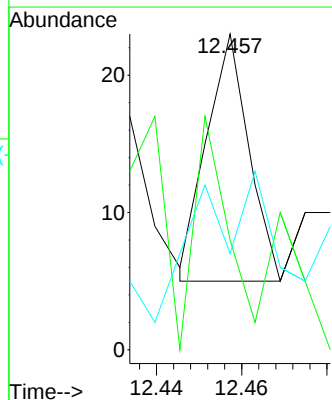
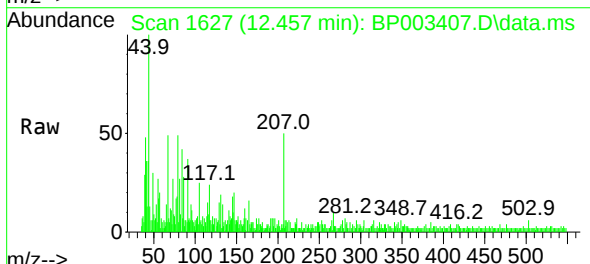
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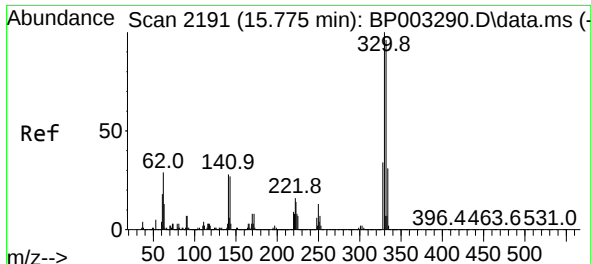
Tgt Ion:164 Resp: 301681
Ion Ratio Lower Upper
164 100
162 102.5 79.4 119.2
160 46.1 36.1 54.1



#41
Hexachlorocyclopentadiene
Concen: 6.84 ng
RT: 12.457 min Scan# 1627
Delta R.T. 0.088 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:237 Resp: 12
Ion Ratio Lower Upper
237 100
235 60.9 43.2 83.2
272 30.4 0.0 33.3

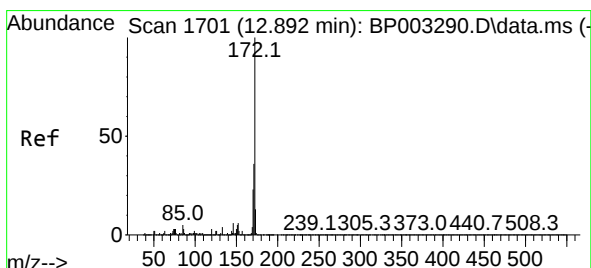
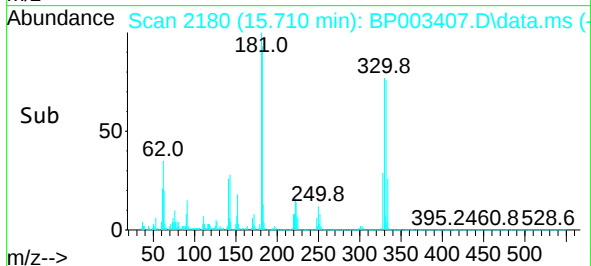
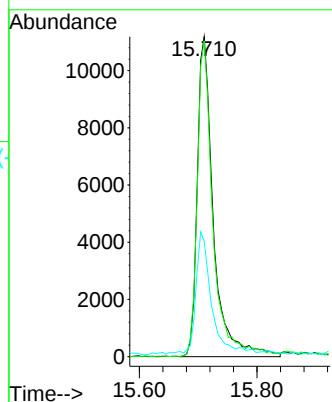
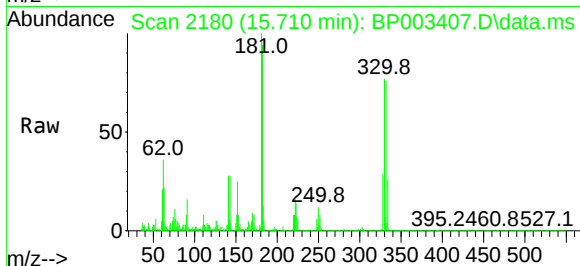




#42
2,4,6-Tribromophenol
Concen: 4.63 ng
RT: 15.710 min Scan# 2180
Delta R.T. 0.000 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

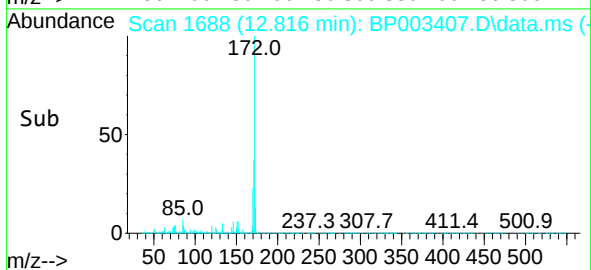
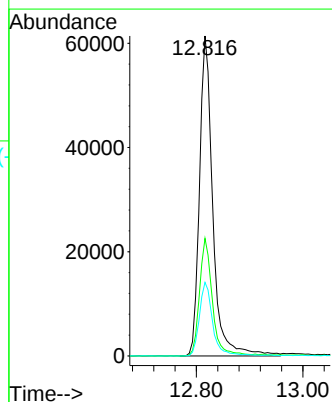
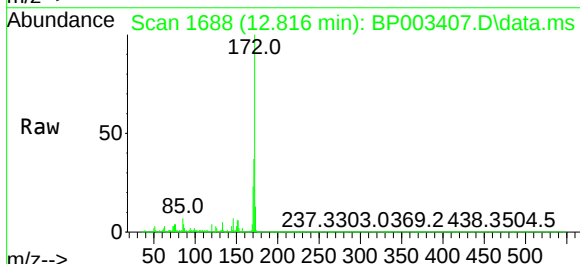
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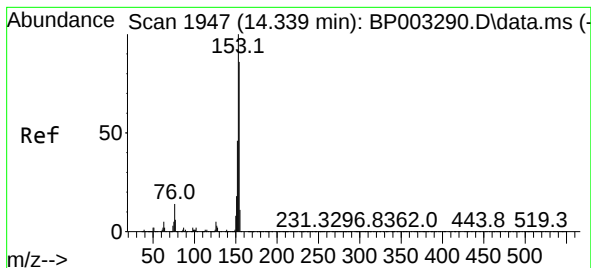
Tgt Ion:330 Resp: 21292
Ion Ratio Lower Upper
330 100
332 96.4 77.1 115.7
141 37.3 23.4 35.2#



#45
2-Fluorobiphenyl
Concen: 5.18 ng
RT: 12.816 min Scan# 1688
Delta R.T. -0.006 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:172 Resp: 106805
Ion Ratio Lower Upper
172 100
171 36.8 28.5 42.7
170 23.0 19.2 28.8

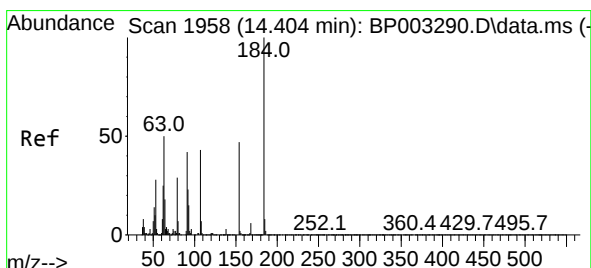
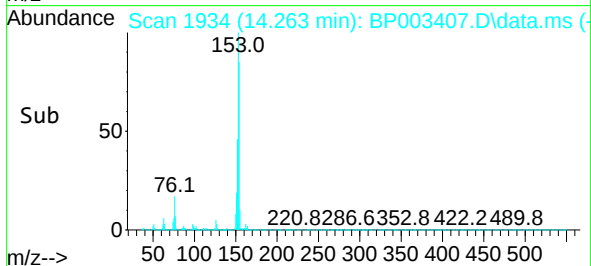
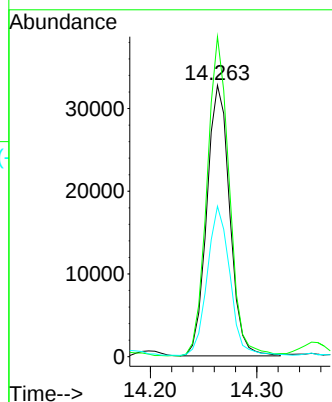
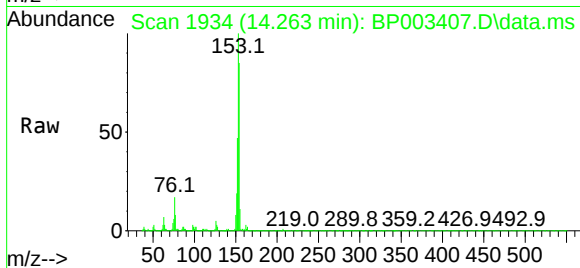




#52
Acenaphthene
Concen: 2.83 ng
RT: 14.263 min Scan# 1934
Delta R.T. -0.012 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

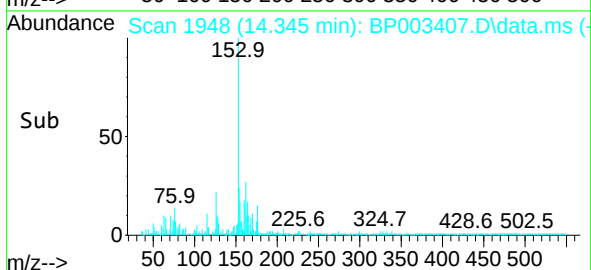
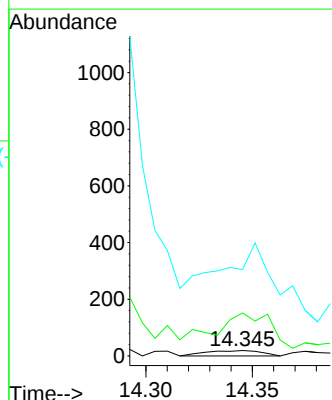
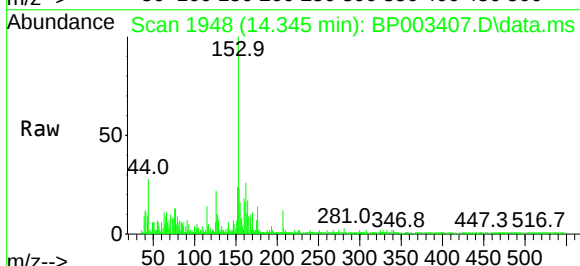
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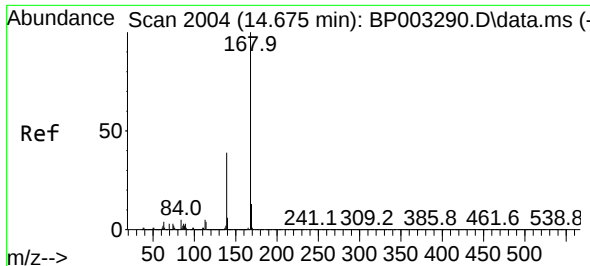
Tgt Ion:154 Resp: 48945
Ion Ratio Lower Upper
154 100
153 117.9 91.0 136.6
152 55.4 43.0 64.6



#54
2,4-Dinitrophenol
Concen: 7.26 ng
RT: 14.345 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:184 Resp: 34
Ion Ratio Lower Upper
184 100
63 800.0 32.3 48.5#
154 1605.3 49.1 73.7#

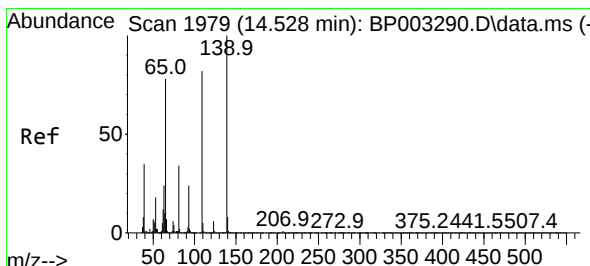
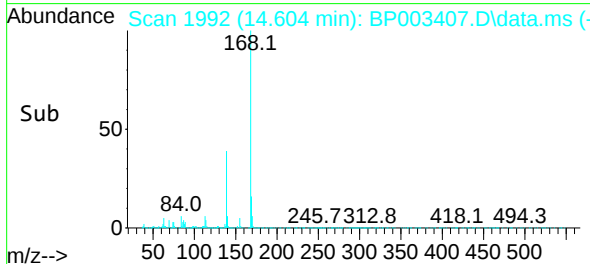
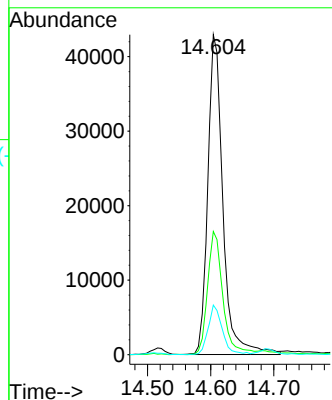
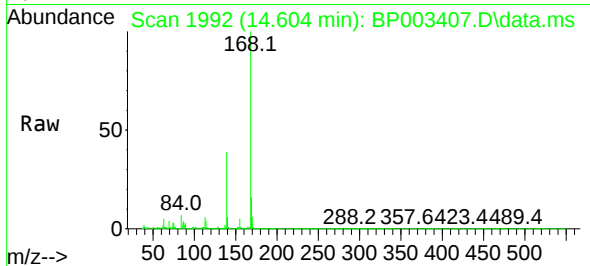




#55
Dibenzofuran
Concen: 2.58 ng
RT: 14.604 min Scan# 1992
Delta R.T. -0.006 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

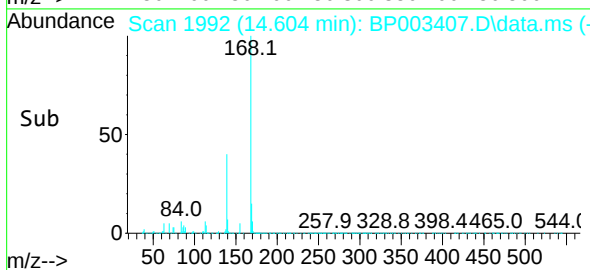
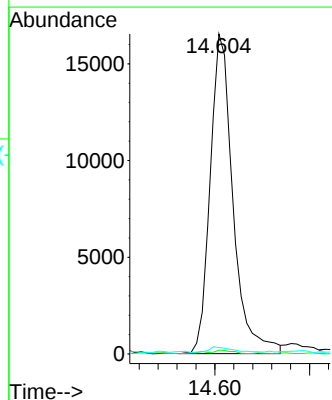
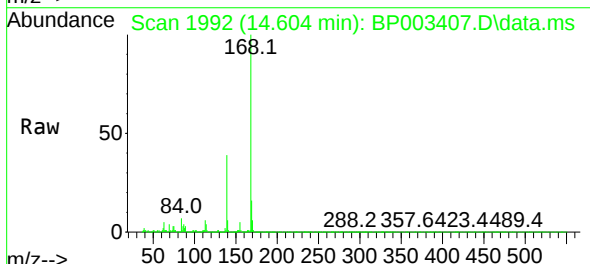
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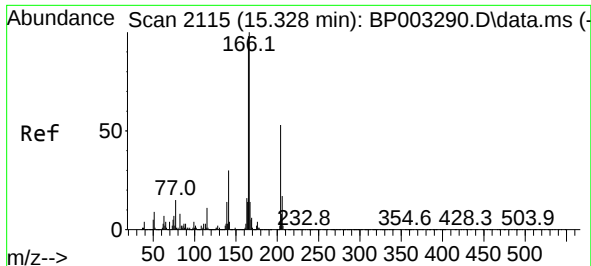
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Ion Ratio Lower Upper
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139 38.5 29.1 43.7
169 15.5 10.4 15.6



#56
4-Nitrophenol
Concen: 8.09 ng
RT: 14.604 min Scan# 1992
Delta R.T. 0.124 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:139 Resp: 27675
Ion Ratio Lower Upper
139 100
109 1.2 44.6 84.6#
65 2.0 41.6 81.6#

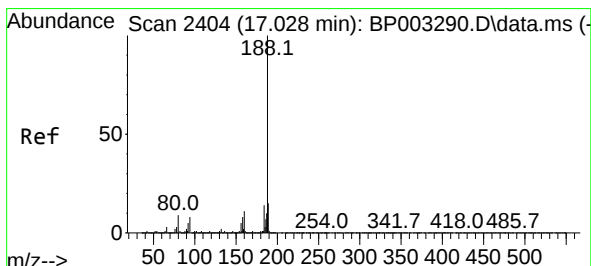
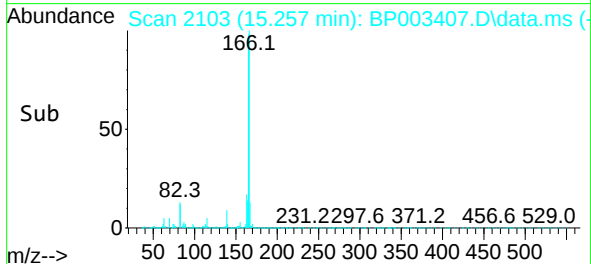
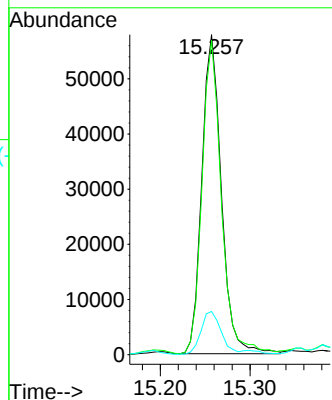
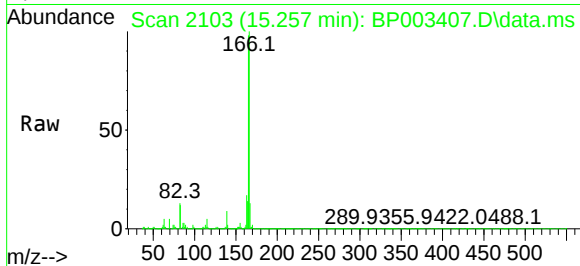




#58
Fluorene
Concen: 4.00 ng
RT: 15.257 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

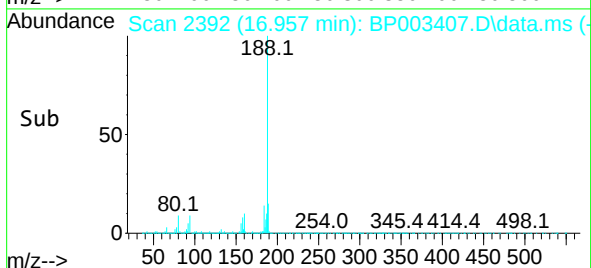
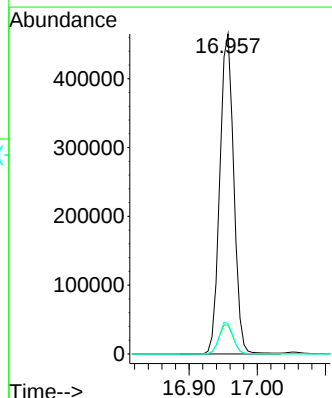
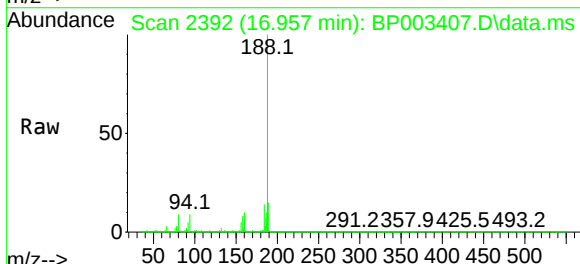
Instrument :
BNA_P
ClientSampleId :
B-5(11-13)DL

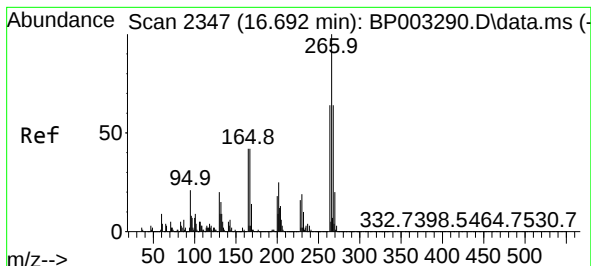
Tgt Ion:166 Resp: 87367
Ion Ratio Lower Upper
166 100
165 98.3 77.8 116.8
167 13.5 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.957 min Scan# 2392
Delta R.T. -0.006 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:188 Resp: 662850
Ion Ratio Lower Upper
188 100
94 9.1 6.2 9.2
80 9.5 6.2 9.2#

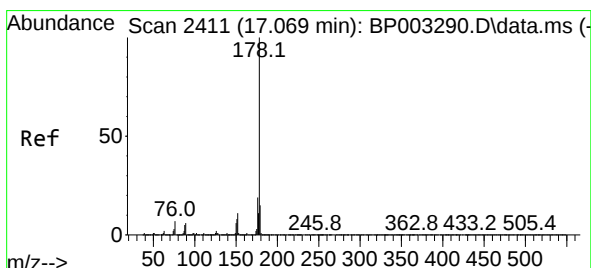
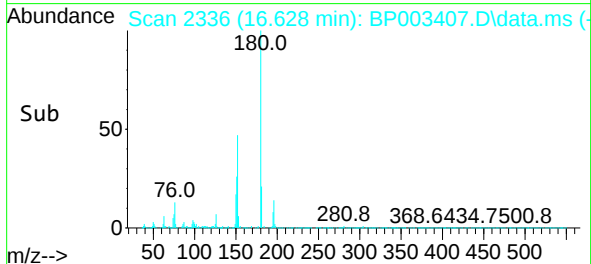
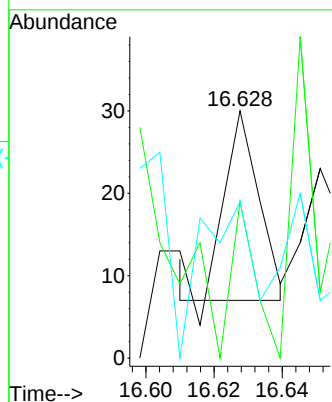
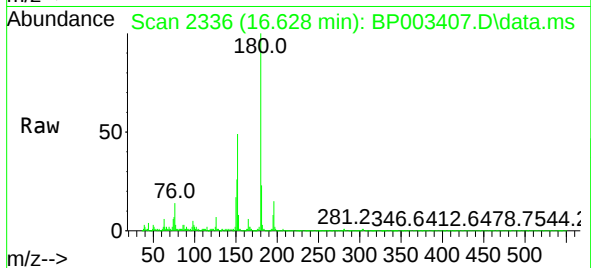




#70
Pentachlorophenol
Concen: 6.77 ng
RT: 16.628 min Scan# 2336
Delta R.T. -0.012 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

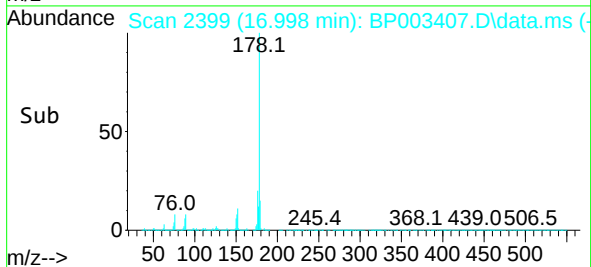
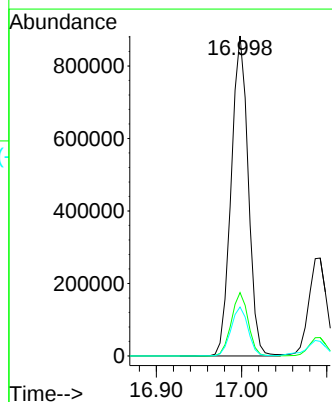
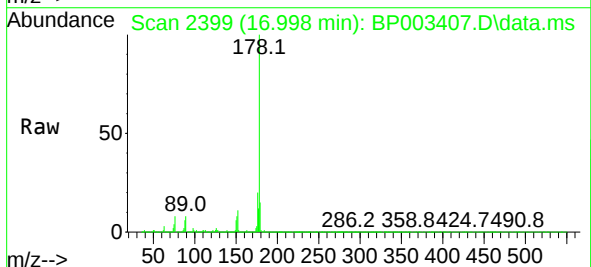
Instrument :
BNA_P
ClientSampleId :
B-5(11-13)DL

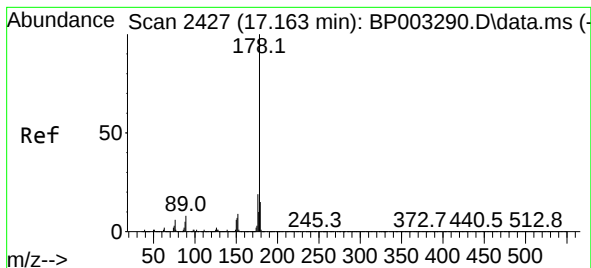
Tgt Ion:266 Resp: 16
Ion Ratio Lower Upper
266 100
268 63.3 51.1 76.7
264 63.3 50.6 76.0



#71
Phenanthrene
Concen: 33.93 ng
RT: 16.998 min Scan# 2399
Delta R.T. -0.012 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:178 Resp: 1223779
Ion Ratio Lower Upper
178 100
176 19.8 15.3 22.9
179 15.3 12.5 18.7





#72

Anthracene

Concen: 10.95 ng

RT: 17.092 min Scan# 2415

Delta R.T. -0.006 min

Lab File: BP003407.D

Acq: 29 Sep 2020 19:38

Tgt Ion:178 Resp: 389113

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

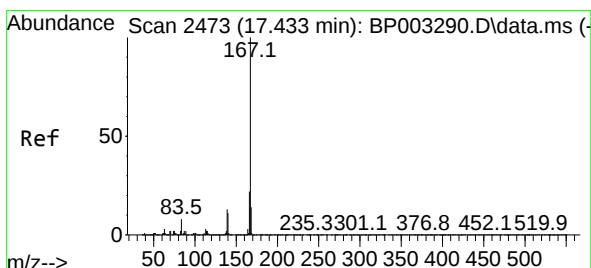
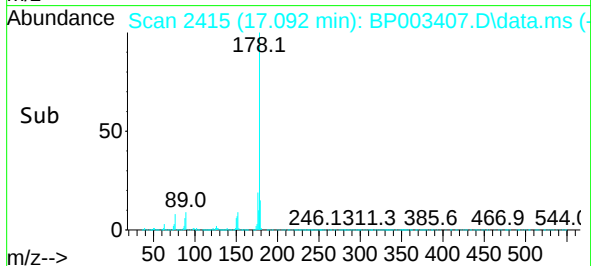
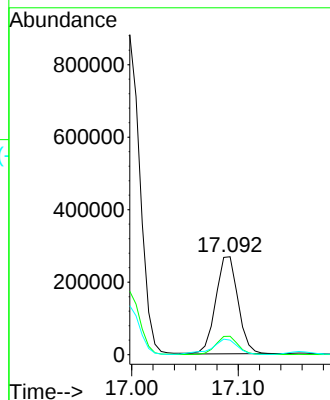
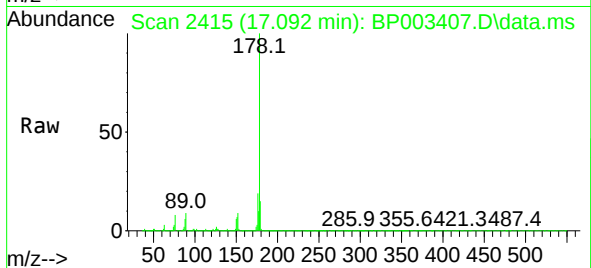
179 14.9 12.5 18.7

Instrument :

BNA_P

ClientSampleId :

B-5(11-13)DL



#73

Carbazole

Concen: 3.01 ng

RT: 17.369 min Scan# 2462

Delta R.T. -0.006 min

Lab File: BP003407.D

Acq: 29 Sep 2020 19:38

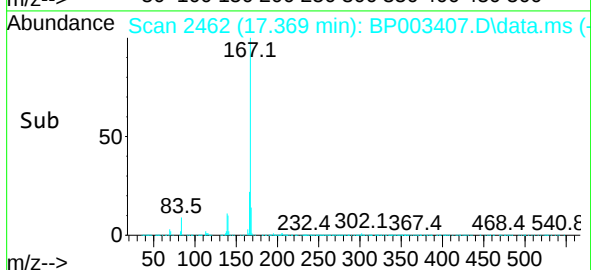
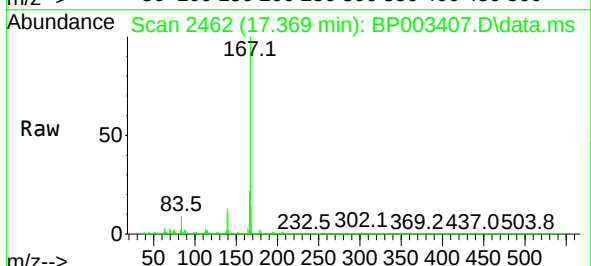
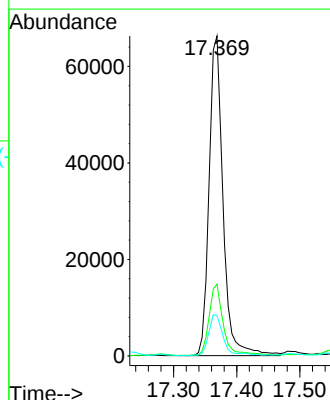
Tgt Ion:167 Resp: 101783

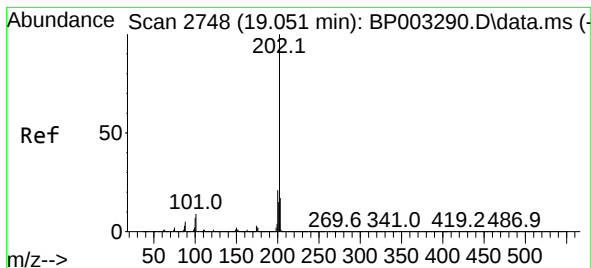
Ion Ratio Lower Upper

167 100

166 22.5 17.6 26.4

139 12.6 10.2 15.4

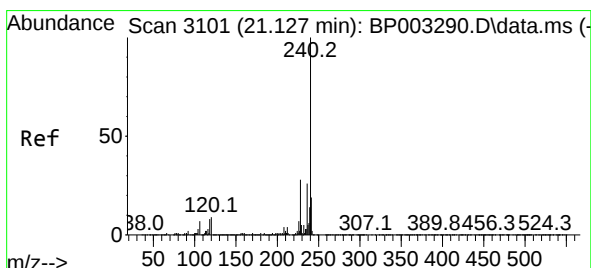
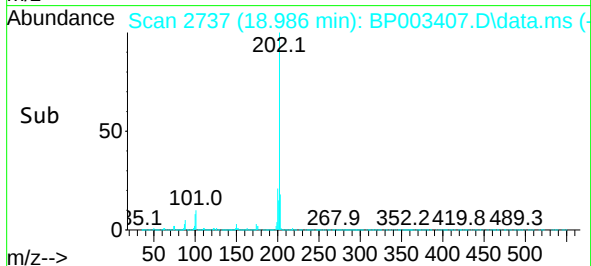
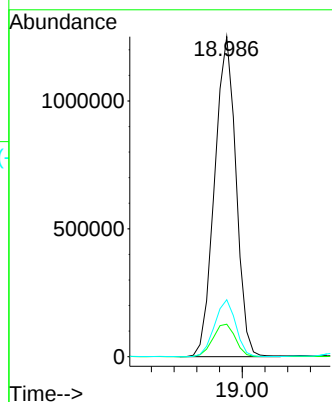
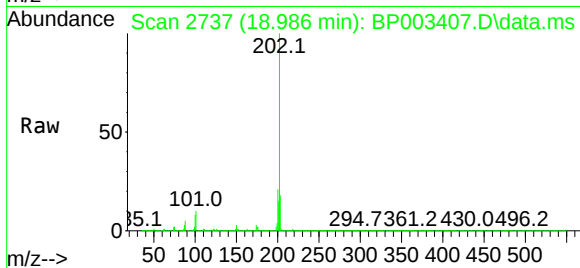




#75
Fluoranthene
Concen: 36.11 ng
RT: 18.986 min Scan# 2737
Delta R.T. -0.006 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

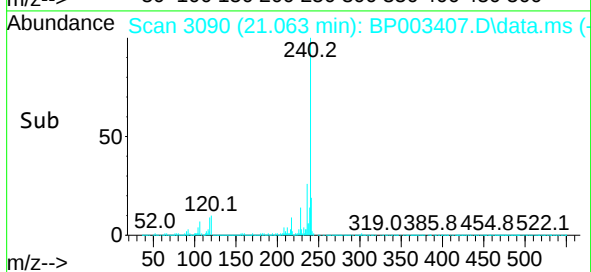
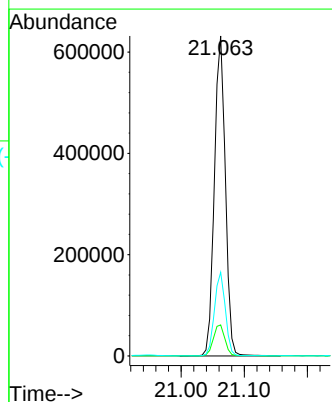
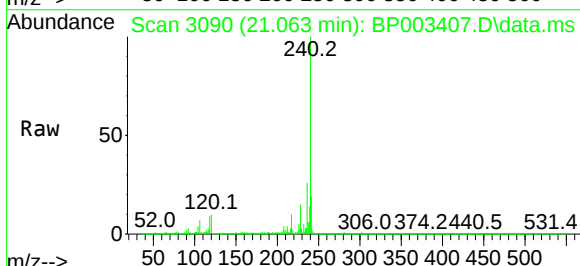
Instrument :
BNA_P
ClientSampleId :
B-5(11-13)DL

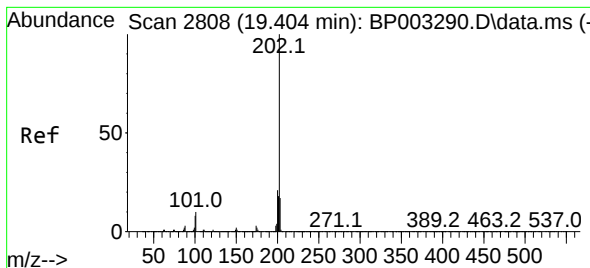
Tgt Ion:202 Resp: 1637326
Ion Ratio Lower Upper
202 100
101 10.2 0.0 29.4
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.063 min Scan# 3090
Delta R.T. -0.012 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:240 Resp: 760867
Ion Ratio Lower Upper
240 100
120 9.7 7.8 11.6
236 26.1 20.8 31.2





#78

Pyrene

Concen: 27.37 ng

RT: 19.339 min Scan# 2797

Delta R.T. -0.006 min

Lab File: BP003407.D

Acq: 29 Sep 2020 19:38

Tgt Ion:202 Resp: 1298876

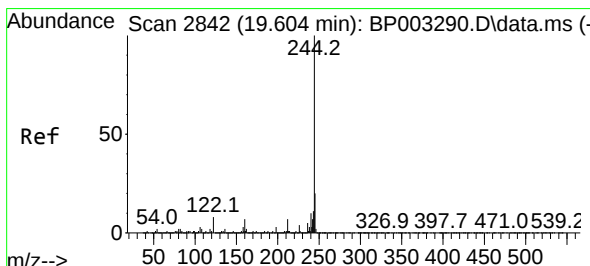
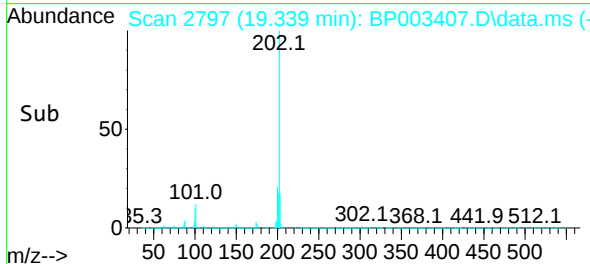
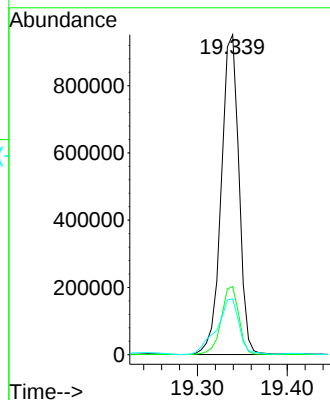
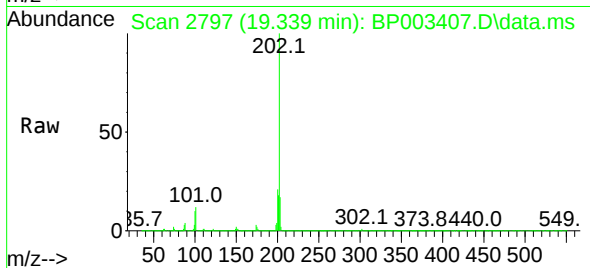
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.1	25.7
203	17.5	14.2	21.2

Instrument :

BNA_P

ClientSampleId :

B-5(11-13)DL



#79

Terphenyl-d14

Concen: 4.69 ng

RT: 19.539 min Scan# 2831

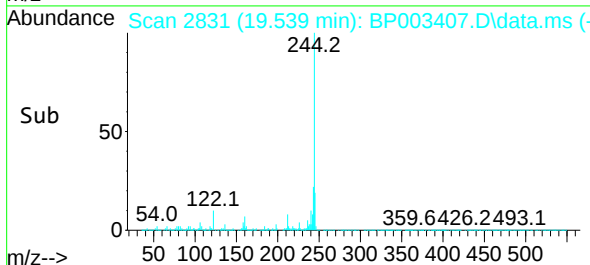
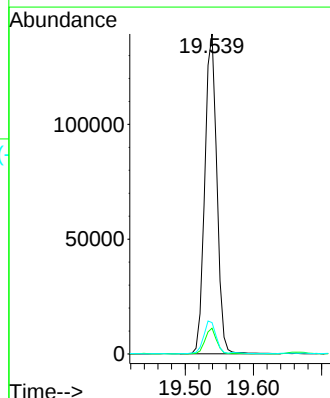
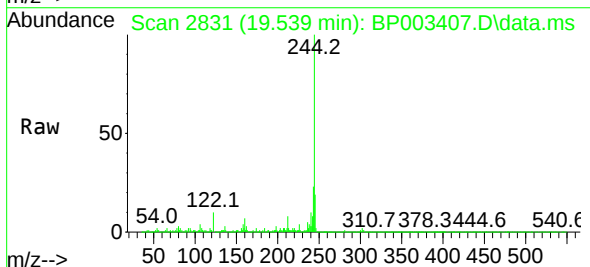
Delta R.T. -0.012 min

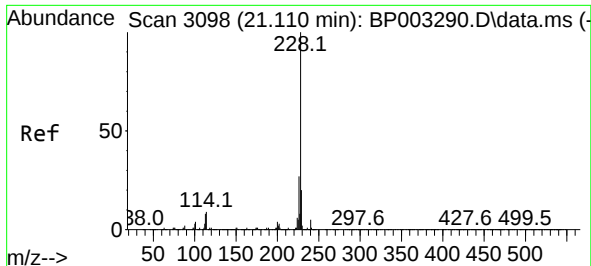
Lab File: BP003407.D

Acq: 29 Sep 2020 19:38

Tgt Ion:244 Resp: 171436

Ion	Ratio	Lower	Upper
244	100		
212	8.1	5.8	8.6
122	9.8	7.8	11.8

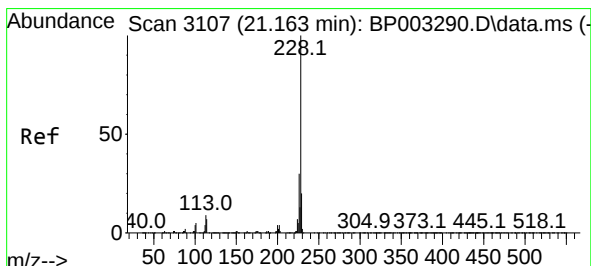
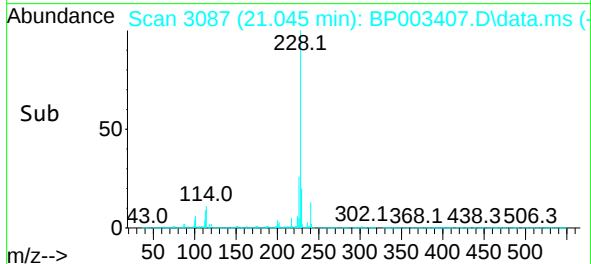
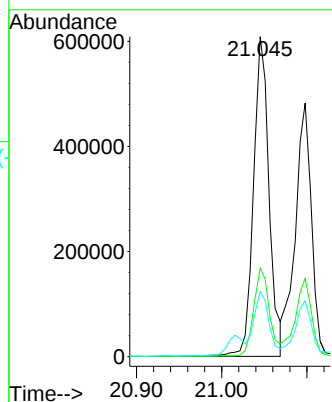
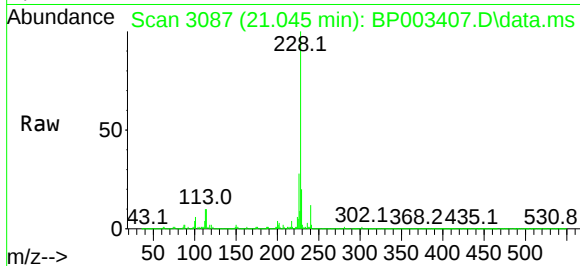




#81
Benzo(a)anthracene
Concen: 15.70 ng
RT: 21.045 min Scan# 3087
Delta R.T. -0.012 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

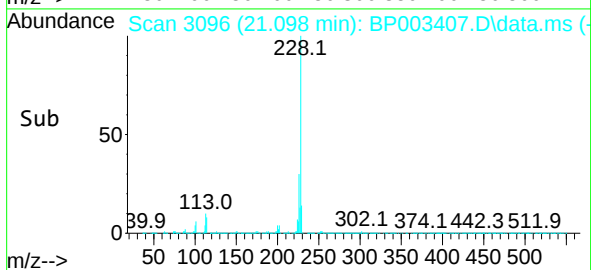
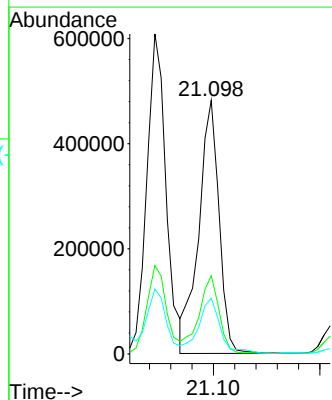
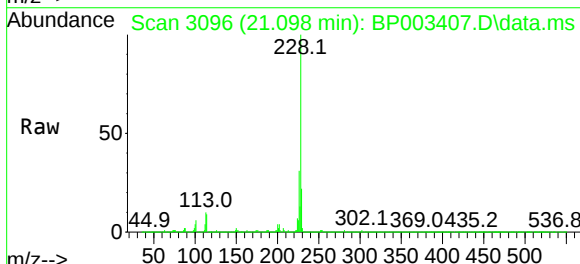
Instrument :
BNA_P
ClientSampled :
B-5(11-13)DL

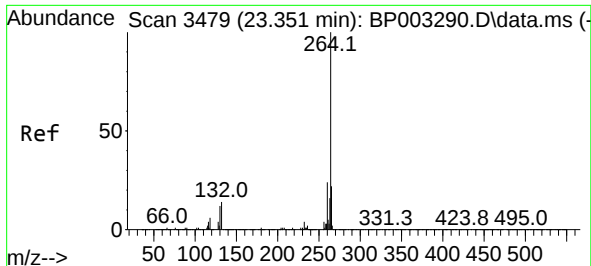
Tgt Ion:228 Resp: 772276
Ion Ratio Lower Upper
228 100
226 27.7 22.1 33.1
229 20.3 15.9 23.9



#83
Chrysene
Concen: 13.55 ng
RT: 21.098 min Scan# 3096
Delta R.T. -0.012 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:228 Resp: 640294
Ion Ratio Lower Upper
228 100
226 30.8 24.4 36.6
229 22.0 15.8 23.6

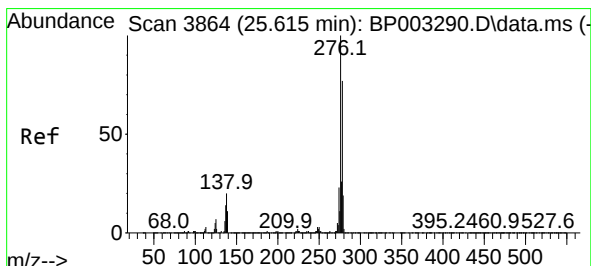
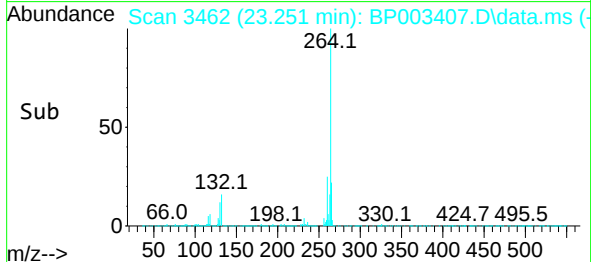
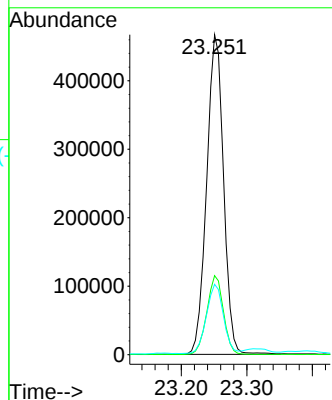
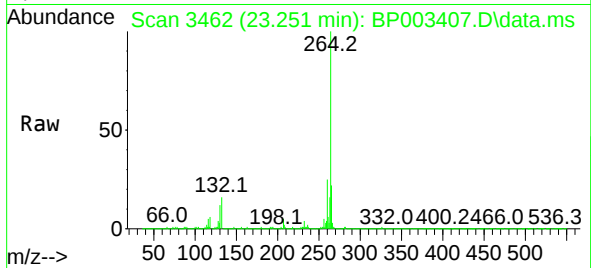




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.251 min Scan# 3462
Delta R.T. -0.012 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

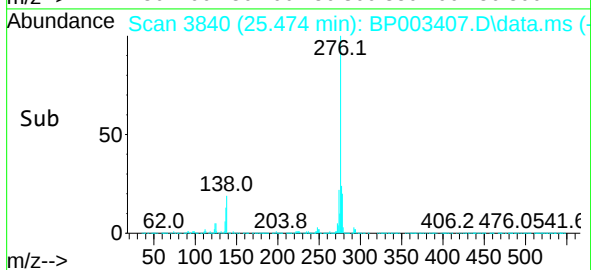
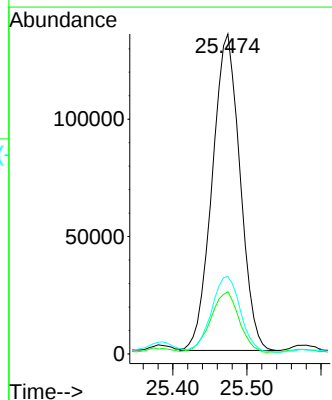
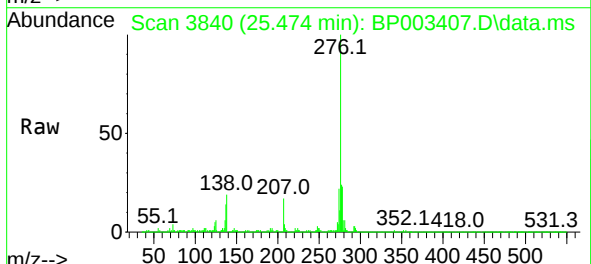
Instrument :
BNA_P
ClientSampleId :
B-5(11-13)DL

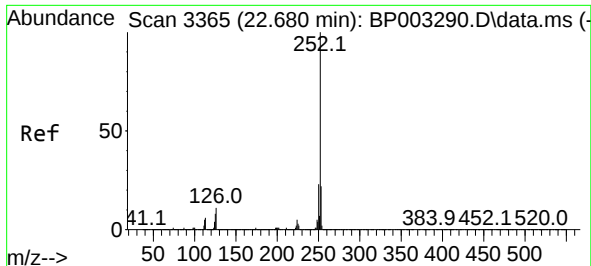
Tgt Ion:264 Resp: 838656
Ion Ratio Lower Upper
264 100
260 24.7 18.8 28.2
265 22.0 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.52 ng
RT: 25.474 min Scan# 3840
Delta R.T. -0.029 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:276 Resp: 350860
Ion Ratio Lower Upper
276 100
138 19.9 18.7 28.1
277 24.8 20.4 30.6

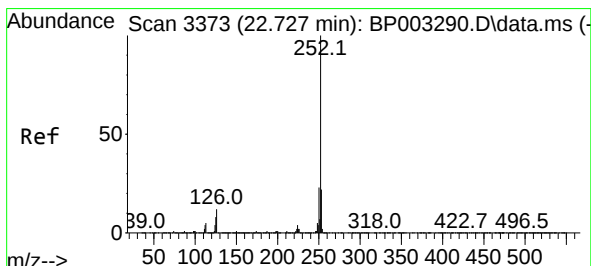
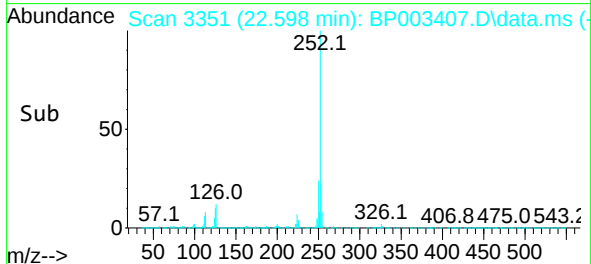
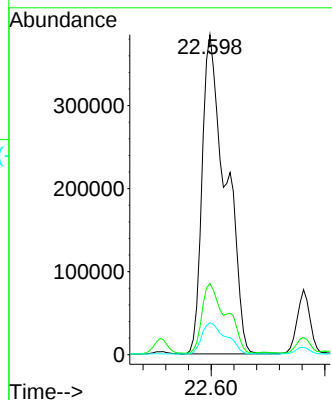
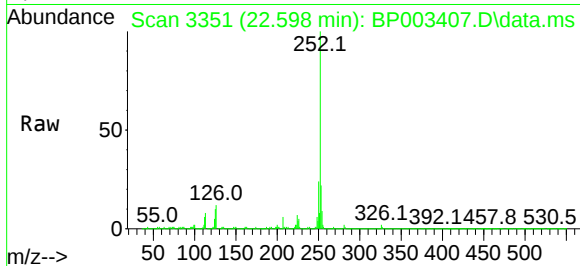




#88
Benzo(b)fluoranthene
Concen: 21.08 ng
RT: 22.598 min Scan# 3351
Delta R.T. -0.012 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

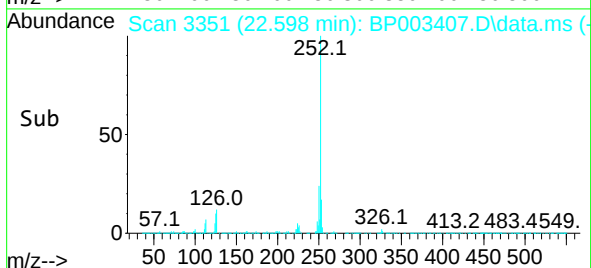
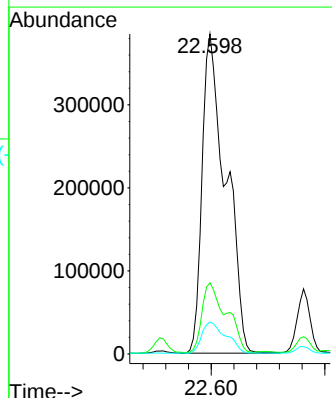
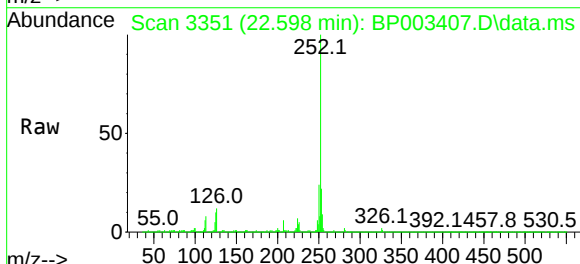
Instrument :
BNA_P
ClientSampleId :
B-5(11-13)DL

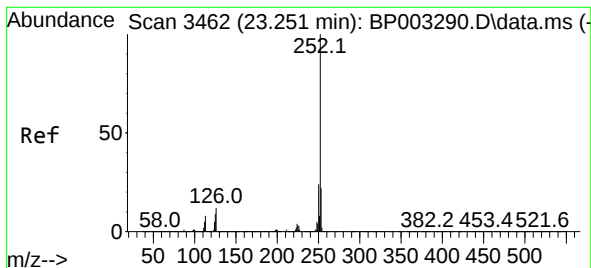
Tgt Ion:252 Resp: 1116151
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 10.0 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 21.99 ng
RT: 22.598 min Scan# 3351
Delta R.T. -0.053 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:252 Resp: 1116151
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 10.0 7.4 11.2

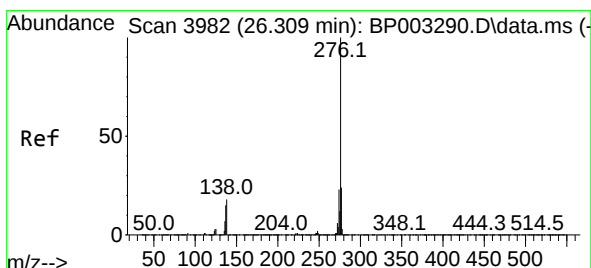
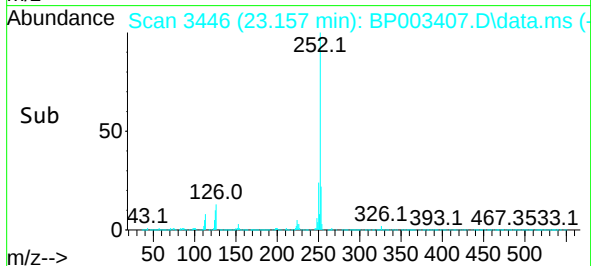
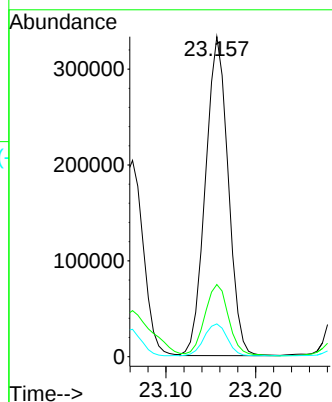
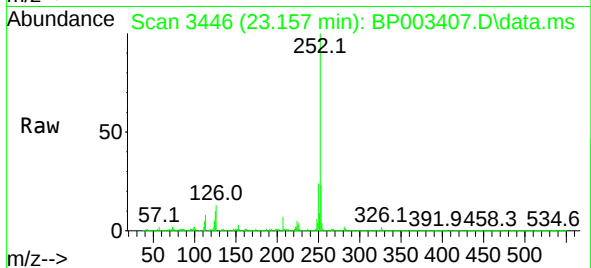




#90
Benzo(a)pyrene
Concen: 11.74 ng
RT: 23.157 min Scan# 3446
Delta R.T. -0.018 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Instrument :
BNA_P
ClientSampleId :
B-5(11-13)DL

Tgt Ion:252 Resp: 586056
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 10.3 8.2 12.4



#92
Benzo(g,h,i)perylene
Concen: 5.94 ng
RT: 26.151 min Scan# 3955
Delta R.T. -0.035 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:276 Resp: 311039
Ion Ratio Lower Upper
276 100
277 23.7 19.0 28.6
138 19.6 16.6 24.8

