

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
 Data File : BP003406.D
 Acq On : 29 Sep 2020 19:03
 Operator : CG/JU
 Sample : L4154-08DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-5(5-7)DL

Quant Time: Sep 30 01:19:17 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)

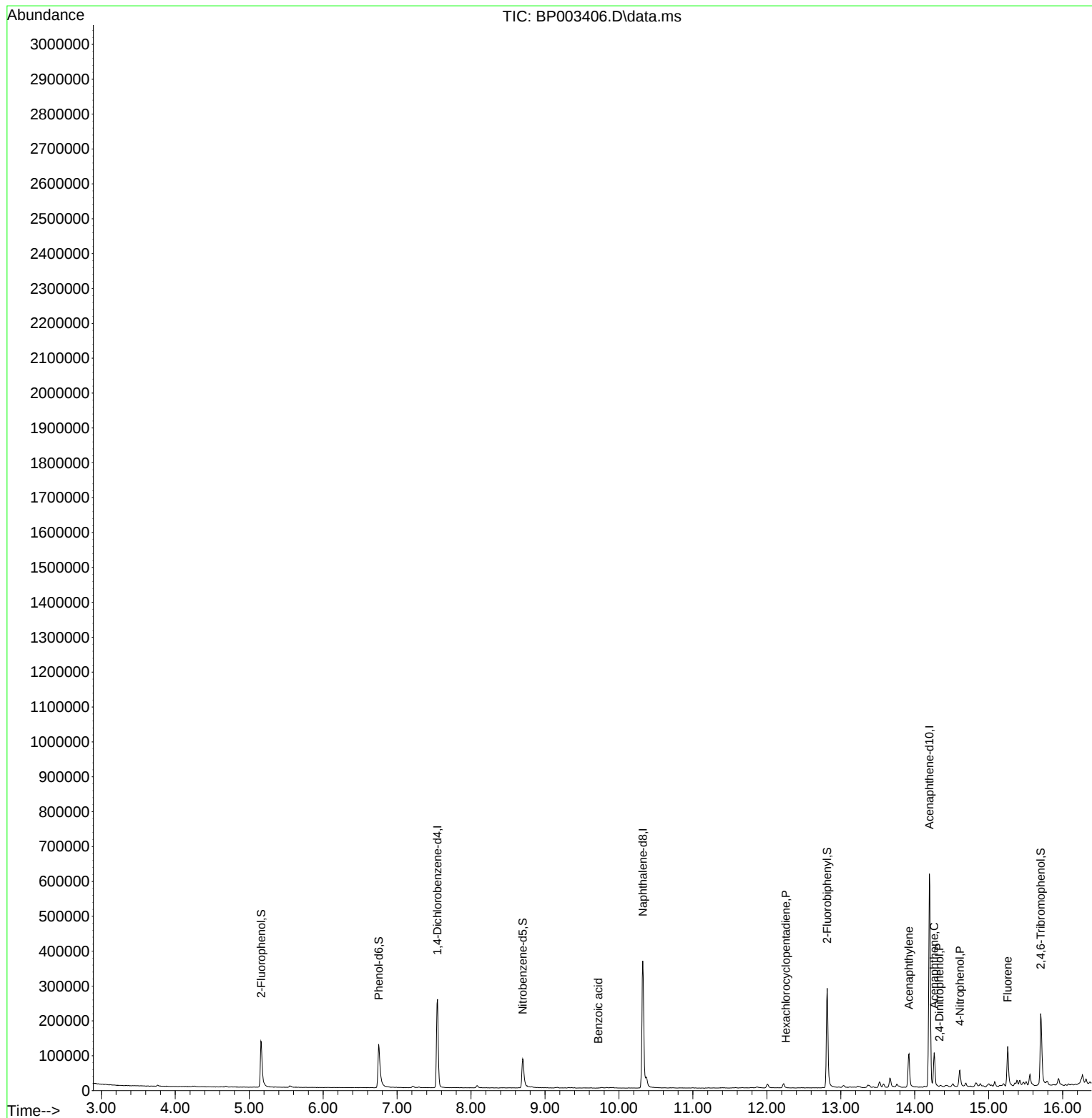
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.546	152	74818	20.00	ng	0.00
21) Naphthalene-d8	10.322	136	328082	20.00	ng	# 0.00
39) Acenaphthene-d10	14.198	164	213544	20.00	ng	-0.01
64) Phenanthrene-d10	16.957	188	486806	20.00	ng	# 0.00
76) Chrysene-d12	21.063	240	615939	20.00	ng	-0.01
86) Perylene-d12	23.257	264	759168	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.163	112	79441	18.54	ng	0.00
7) Phenol-d6	6.752	99	105853	18.53	ng	0.00
23) Nitrobenzene-d5	8.699	82	70267	12.58	ng	0.00
42) 2,4,6-Tribromophenol	15.704	330	40006	12.28	ng	0.00
45) 2-Fluorobiphenyl	12.816	172	160486	10.99	ng	0.00
79) Terphenyl-d14	19.539	244	291339	9.86	ng	-0.01
Target Compounds						
						Qvalue
32) Benzoic acid	9.722	122	36	9.16	ng	# 36
41) Hexachlorocyclopentadiene	12.257	237	22	6.85	ng	80
49) Acenaphthylene	13.922	152	74560	3.70	ng	98
52) Acenaphthene	14.263	154	34019	2.77	ng	98
54) 2,4-Dinitrophenol	14.334	184	19	7.26	ng	# 1
56) 4-Nitrophenol	14.610	139	12577	5.20	ng	# 21
58) Fluorene	15.257	166	49423	3.20	ng	98
70) Pentachlorophenol	16.869	266	31	6.78	ng	95
71) Phenanthrene	16.998	178	807053	30.47	ng	100
72) Anthracene	17.092	178	219481	8.41	ng	99
73) Carbazole	17.369	167	88834	3.58	ng	100
75) Fluoranthene	18.986	202	1395860	41.91	ng	99
78) Pyrene	19.339	202	1241316	32.32	ng	100
81) Benzo(a)anthracene	21.045	228	783955	19.69	ng	99
83) Chrysene	21.098	228	657826	17.20	ng	98
87) Indeno(1,2,3-cd)pyrene	25.474	276	506744	8.81	ng	95
88) Benzo(b)fluoranthene	22.598	252	1363790	28.45	ng	98
89) Benzo(k)fluoranthene	22.598	252	1363790	29.68	ng	99
90) Benzo(a)pyrene	23.157	252	783002	17.32	ng	97
91) Dibenzo(a,h)anthracene	25.727	278	114381	2.41	ng	96
92) Benzo(g,h,i)perylene	26.156	276	463726	9.78	ng	98

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

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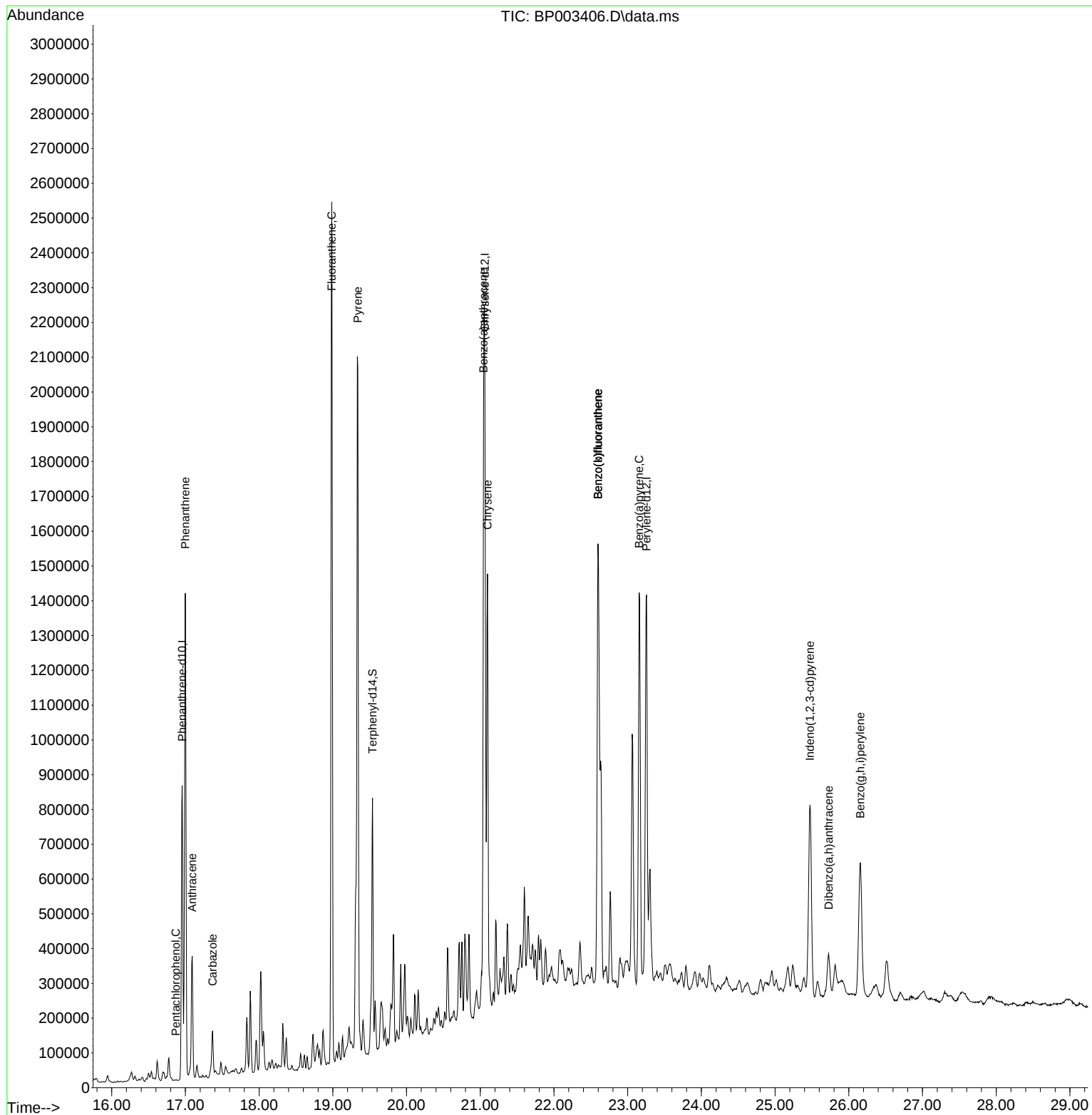
Quant Time: Sep 30 01:19:17 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 28 17:55:44 2020
Response via : Initial Calibration

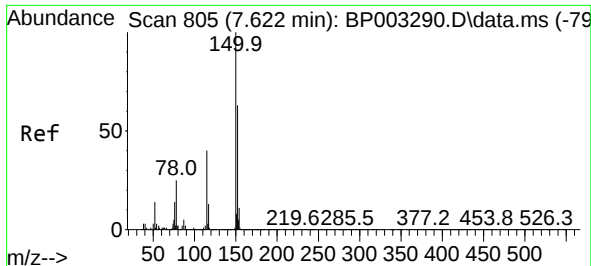


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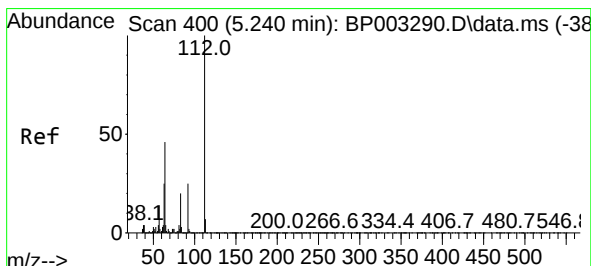
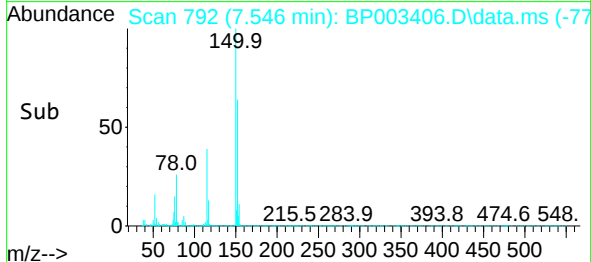
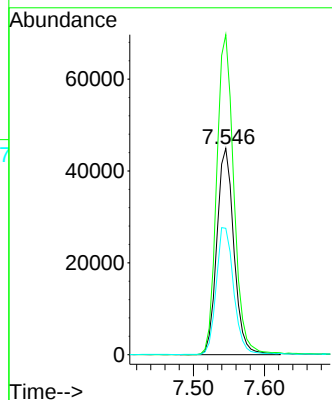
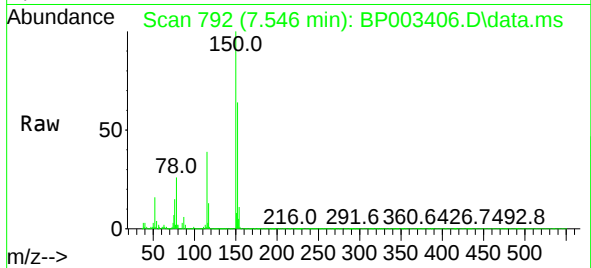




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.546 min Scan# 792
Delta R.T. -0.000 min
Lab File: BP003406.D
Acq: 29 Sep 2020 19:03

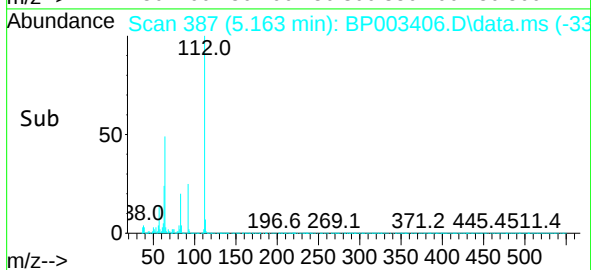
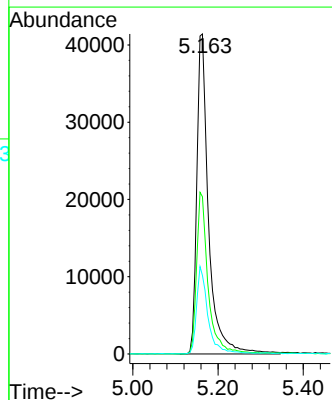
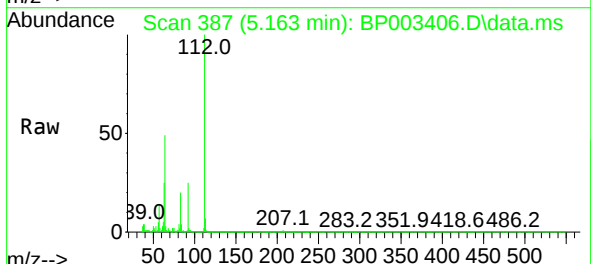
Instrument :
BNA_P
ClientSampleId :
B-5(5-7)DL

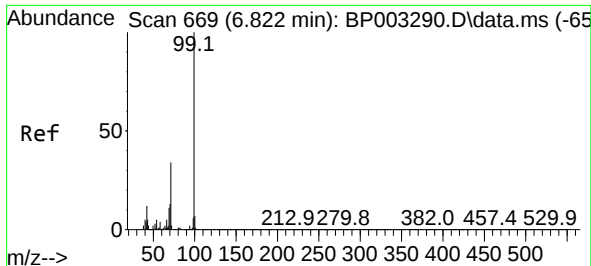
Tgt Ion:152 Resp: 74818
Ion Ratio Lower Upper
152 100
150 155.2 123.8 185.6
115 61.3 43.8 65.6



#5
2-Fluorophenol
Concen: 18.54 ng
RT: 5.163 min Scan# 387
Delta R.T. 0.000 min
Lab File: BP003406.D
Acq: 29 Sep 2020 19:03

Tgt Ion:112 Resp: 79441
Ion Ratio Lower Upper
112 100
64 49.2 32.8 49.2
63 24.5 17.0 25.4

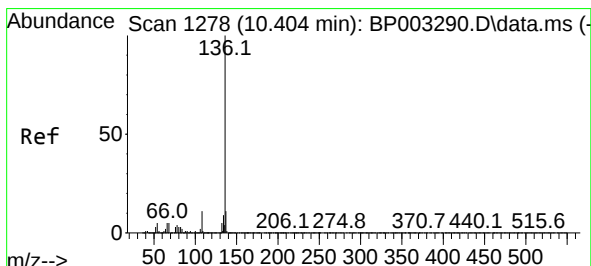
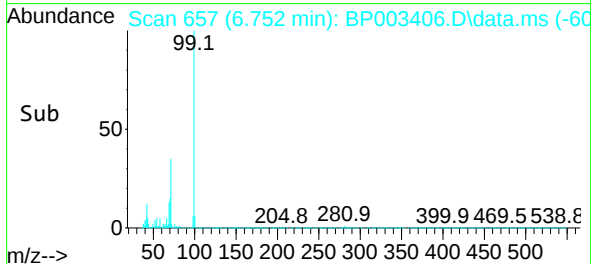
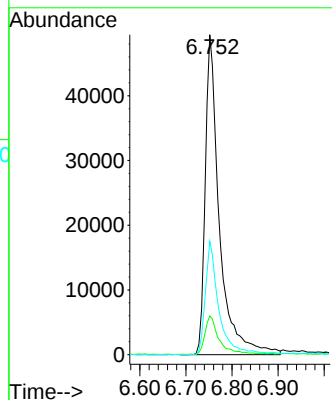
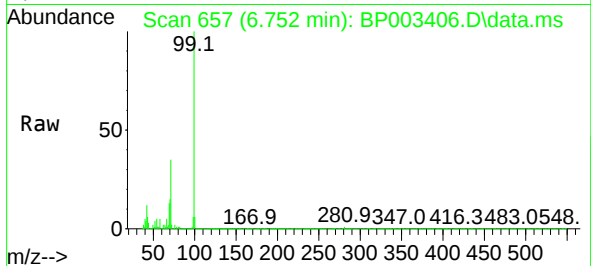




#7
Phenol-d6
Concen: 18.53 ng
RT: 6.752 min Scan# 657
Delta R.T. 0.000 min
Lab File: BP003406.D
Acq: 29 Sep 2020 19:03

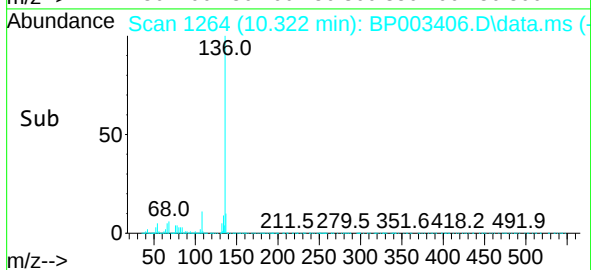
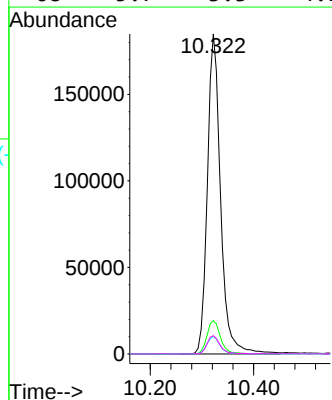
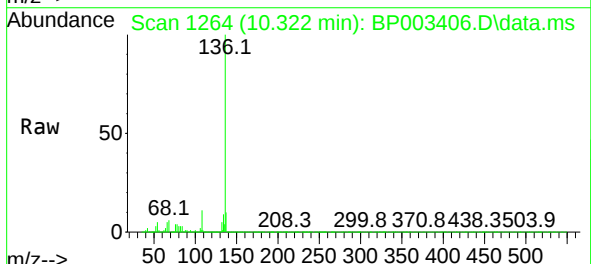
Instrument :
BNA_P
ClientSampleId :
B-5(5-7)DL

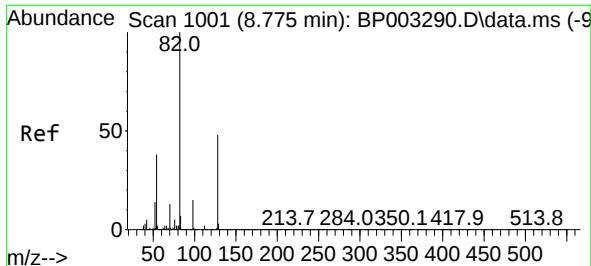
Tgt Ion: 99 Resp: 105853
Ion Ratio Lower Upper
99 100
42 12.1 8.6 13.0
71 35.5 23.4 35.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.322 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BP003406.D
Acq: 29 Sep 2020 19:03

Tgt Ion: 136 Resp: 328082
Ion Ratio Lower Upper
136 100
137 10.4 8.6 13.0
54 5.5 3.6 5.4#
68 5.7 3.3 4.9#

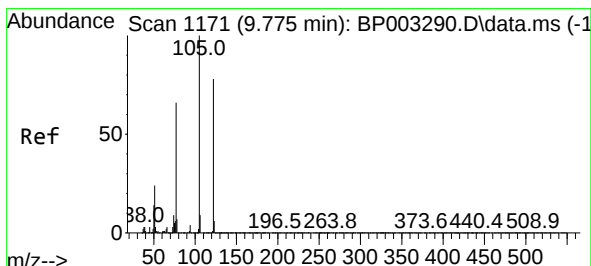
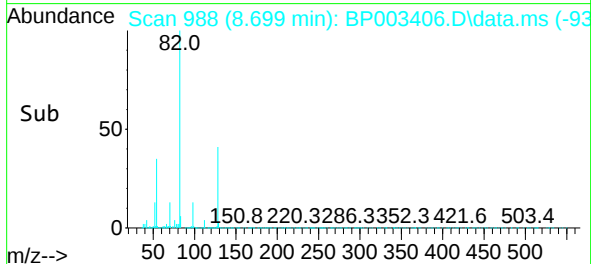
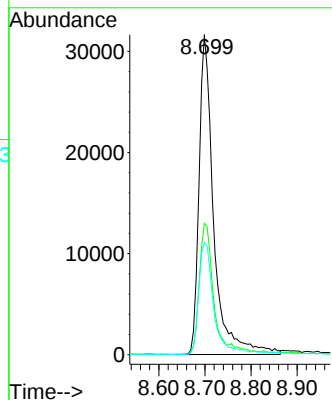
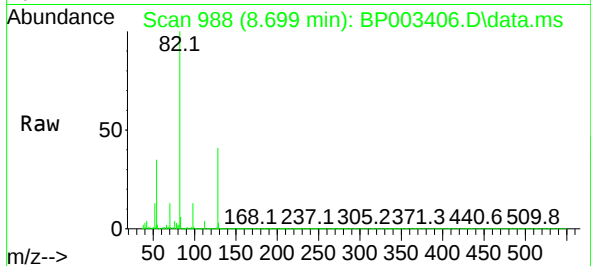




#23
Nitrobenzene-d5
Concen: 12.58 ng
RT: 8.699 min Scan# 988
Delta R.T. -0.006 min
Lab File: BP003406.D
Acq: 29 Sep 2020 19:03

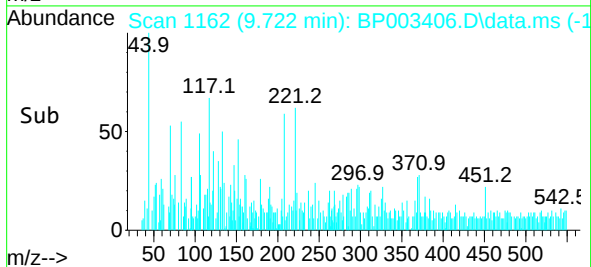
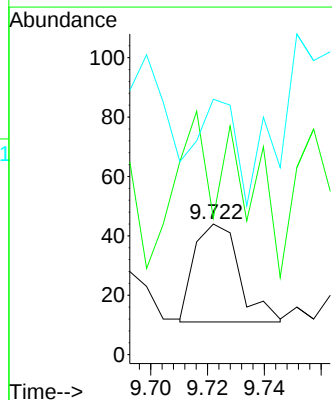
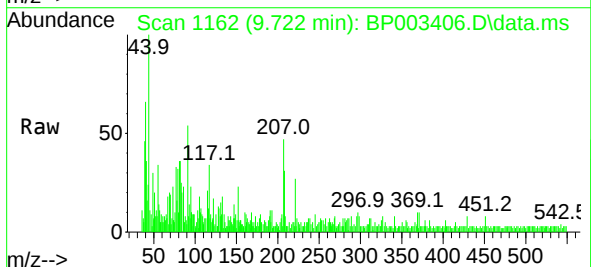
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B-5(5-7)DL

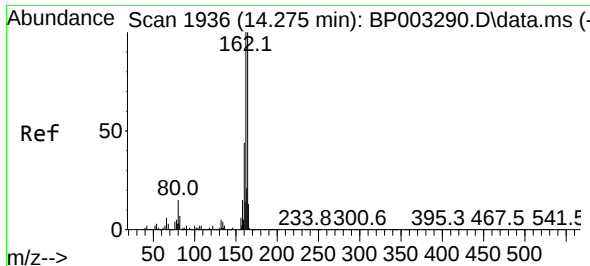
Tgt Ion: 82 Resp: 70267
Ion Ratio Lower Upper
82 100
128 41.0 45.6 68.4#
54 35.0 30.1 45.1



#32
Benzoic acid
Concen: 9.16 ng
RT: 9.722 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BP003406.D
Acq: 29 Sep 2020 19:03

Tgt Ion: 122 Resp: 36
Ion Ratio Lower Upper
122 100
105 104.5 94.1 134.1
77 195.5 50.1 90.1#

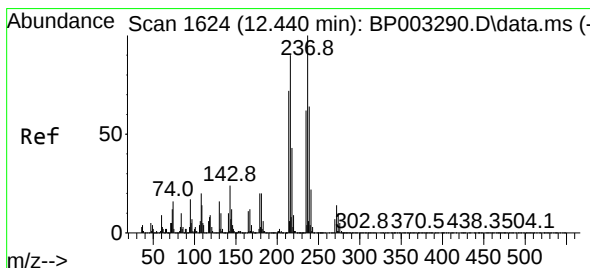
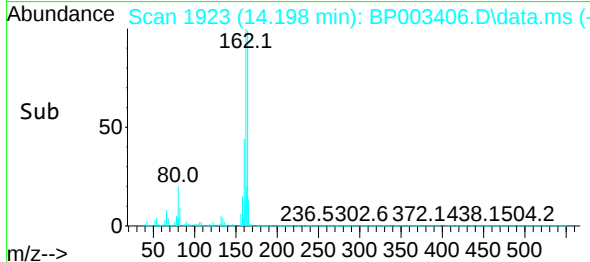
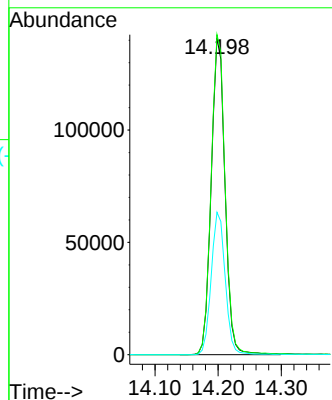
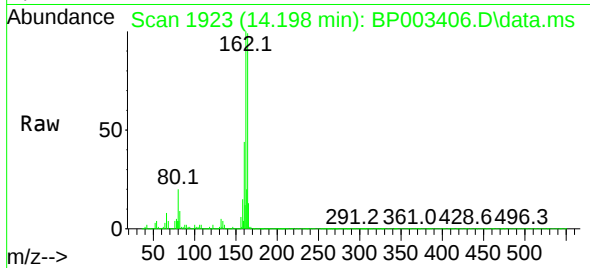




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.198 min Scan# 1923
Delta R.T. -0.012 min
Lab File: BP003406.D
Acq: 29 Sep 2020 19:03

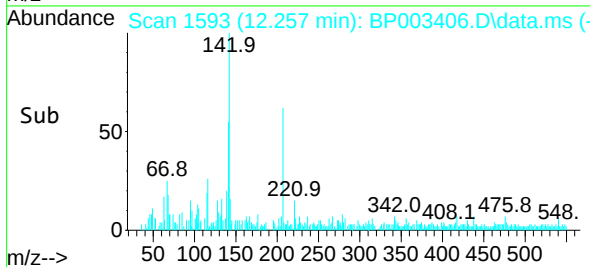
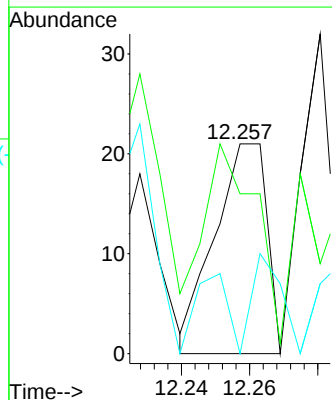
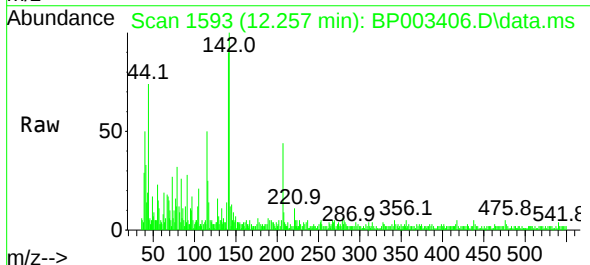
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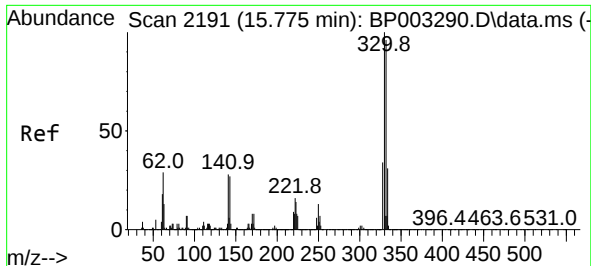
Tgt Ion:164 Resp: 213544
Ion Ratio Lower Upper
164 100
162 101.1 79.4 119.2
160 45.0 36.1 54.1



#41
Hexachlorocyclopentadiene
Concen: 6.85 ng
RT: 12.257 min Scan# 1593
Delta R.T. -0.112 min
Lab File: BP003406.D
Acq: 29 Sep 2020 19:03

Tgt Ion:237 Resp: 22
Ion Ratio Lower Upper
237 100
235 76.2 43.2 83.2
272 0.0 0.0 33.3

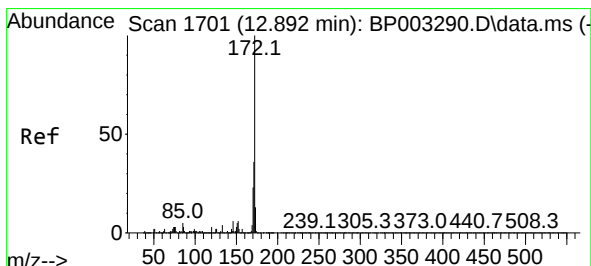
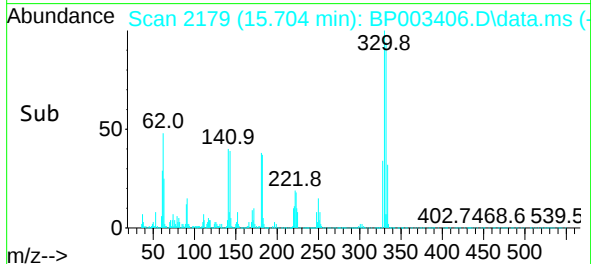
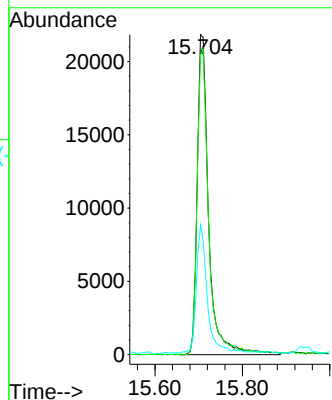
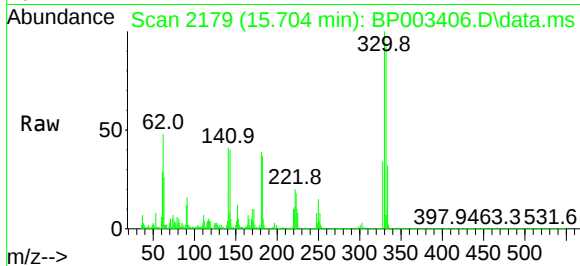




#42
2,4,6-Tribromophenol
Concen: 12.28 ng
RT: 15.704 min Scan# 2179
Delta R.T. -0.006 min
Lab File: BP003406.D
Acq: 29 Sep 2020 19:03

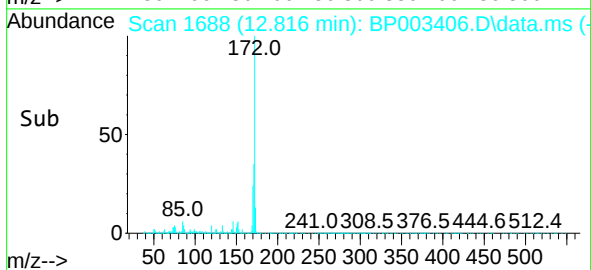
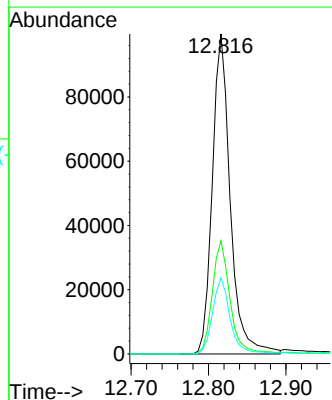
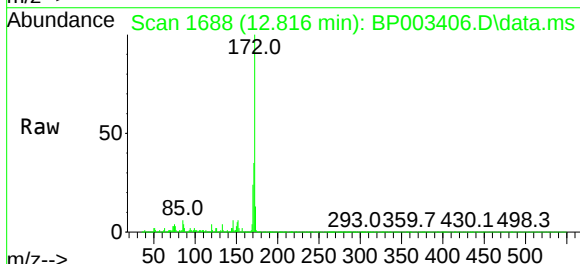
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B-5(5-7)DL

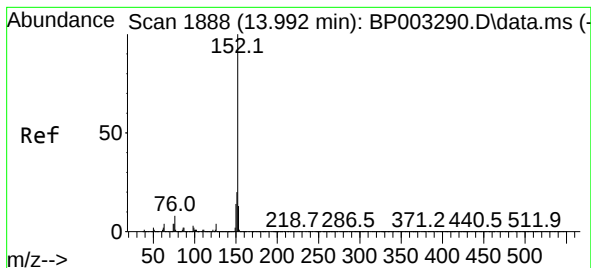
Tgt Ion: 330 Resp: 40006
Ion Ratio Lower Upper
330 100
332 95.3 77.1 115.7
141 37.2 23.4 35.2#



#45
2-Fluorobiphenyl
Concen: 10.99 ng
RT: 12.816 min Scan# 1688
Delta R.T. -0.006 min
Lab File: BP003406.D
Acq: 29 Sep 2020 19:03

Tgt Ion: 172 Resp: 160486
Ion Ratio Lower Upper
172 100
171 35.3 28.5 42.7
170 23.7 19.2 28.8





#49

Acenaphthylene

Concen: 3.70 ng

RT: 13.922 min Scan# 1876

Delta R.T. -0.006 min

Lab File: BP003406.D

Acq: 29 Sep 2020 19:03

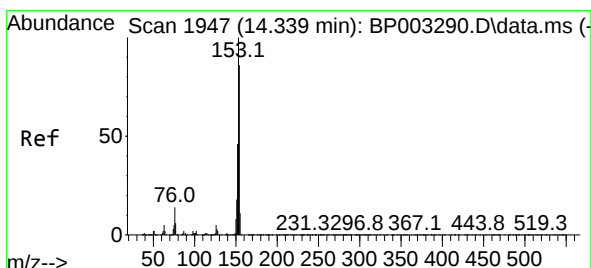
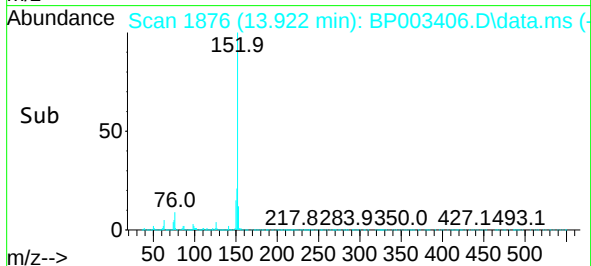
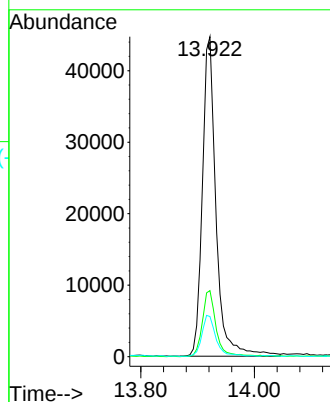
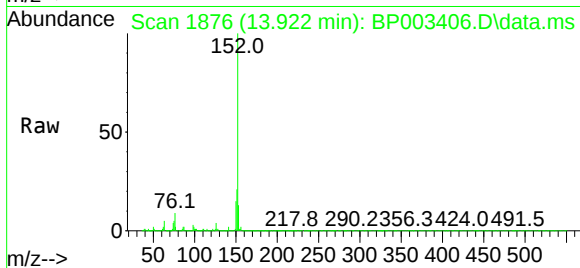
Instrument :

BNA_P

ClientSampleId :

B-5(5-7)DL

Tgt Ion:152	Resp:	74560
Ion Ratio	Lower	Upper
152	100	
151	20.7	15.9 23.9
153	12.5	10.5 15.7



#52

Acenaphthene

Concen: 2.77 ng

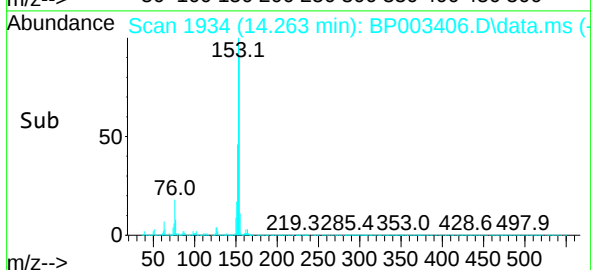
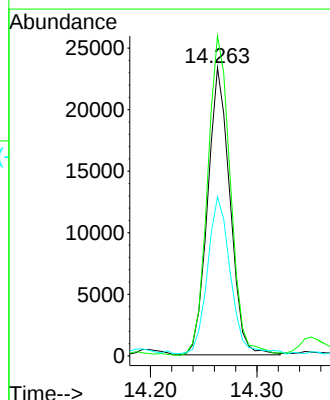
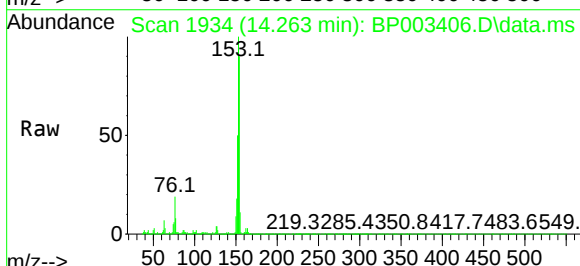
RT: 14.263 min Scan# 1934

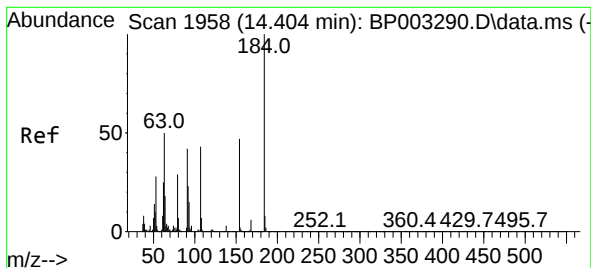
Delta R.T. -0.012 min

Lab File: BP003406.D

Acq: 29 Sep 2020 19:03

Tgt Ion:154	Resp:	34019
Ion Ratio	Lower	Upper
154	100	
153	111.0	91.0 136.6
152	55.2	43.0 64.6

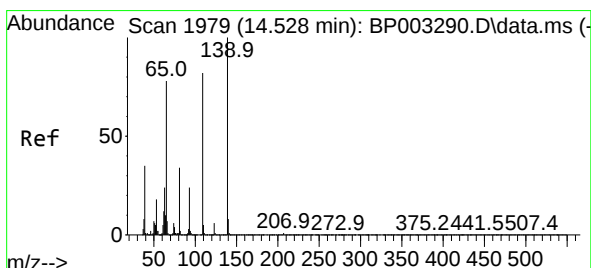
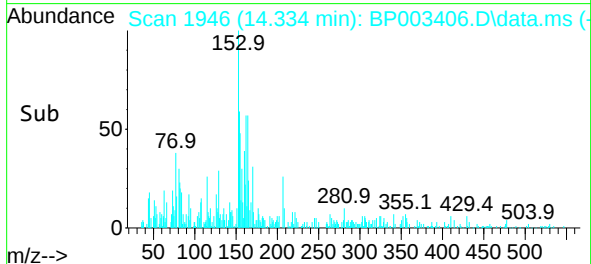
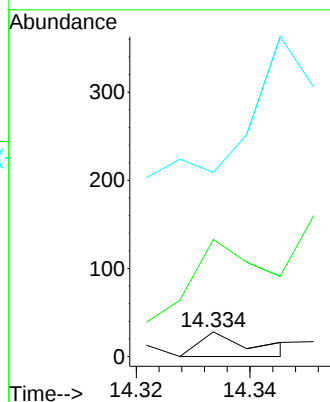
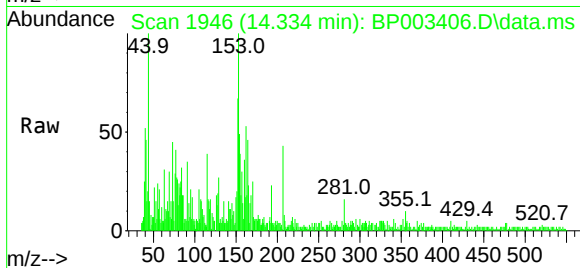




#54
2,4-Dinitrophenol
Concen: 7.26 ng
RT: 14.334 min Scan# 1946
Delta R.T. -0.023 min
Lab File: BP003406.D
Acq: 29 Sep 2020 19:03

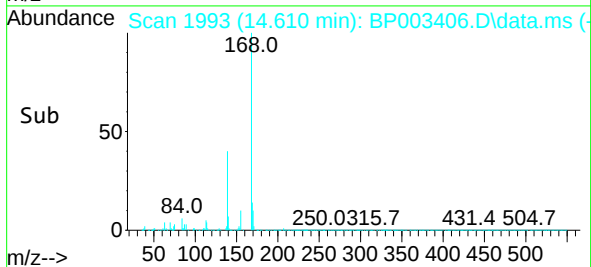
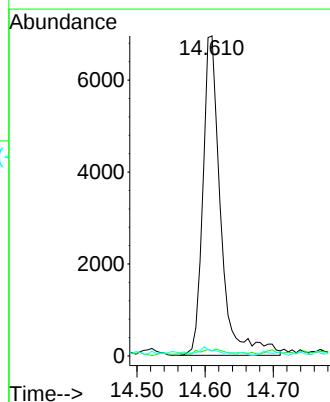
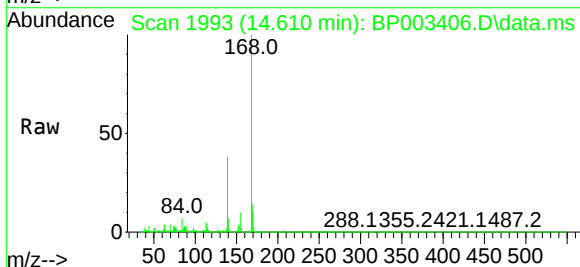
Instrument :
BNA_P
ClientSampleId :
B-5(5-7)DL

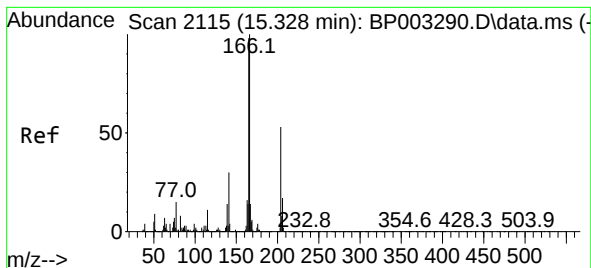
Tgt Ion:184 Resp: 19
Ion Ratio Lower Upper
184 100
63 475.0 32.3 48.5#
154 746.4 49.1 73.7#



#56
4-Nitrophenol
Concen: 5.20 ng
RT: 14.610 min Scan# 1993
Delta R.T. 0.129 min
Lab File: BP003406.D
Acq: 29 Sep 2020 19:03

Tgt Ion:139 Resp: 12577
Ion Ratio Lower Upper
139 100
109 1.6 44.6 84.6#
65 1.7 41.6 81.6#





#58

Fluorene

Concen: 3.20 ng

RT: 15.257 min Scan# 2103

Delta R.T. -0.006 min

Lab File: BP003406.D

Acq: 29 Sep 2020 19:03

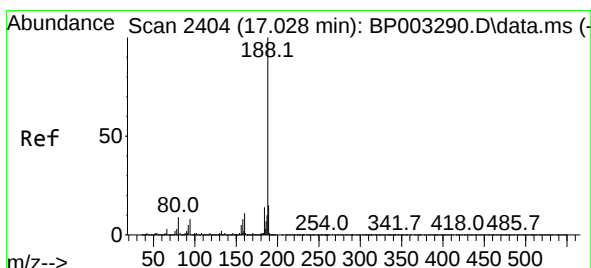
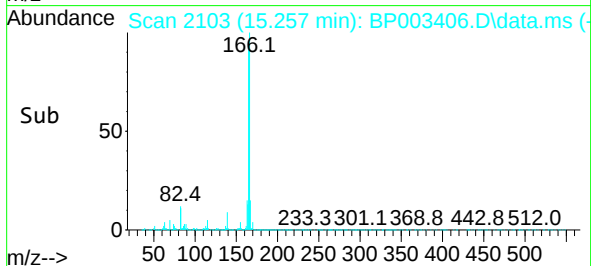
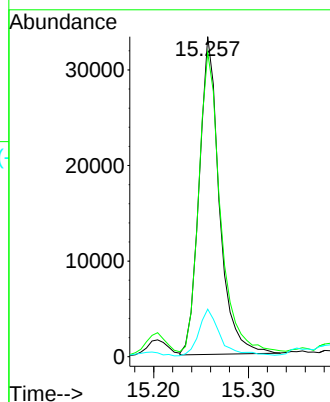
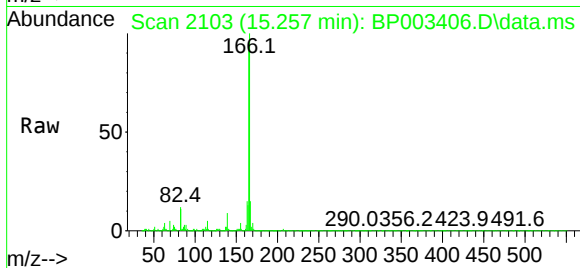
Instrument :

BNA_P

ClientSampleId :

B-5(5-7)DL

Tgt Ion:	166	Resp:	49423
Ion Ratio	Lower	Upper	
166	100		
165	95.0	77.8	116.8
167	14.9	11.0	16.4



#64

Phenanthrene-d10

Concen: 20.00 ng

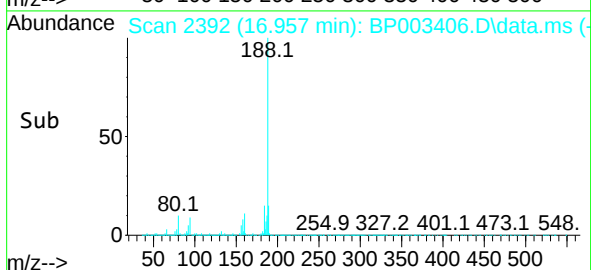
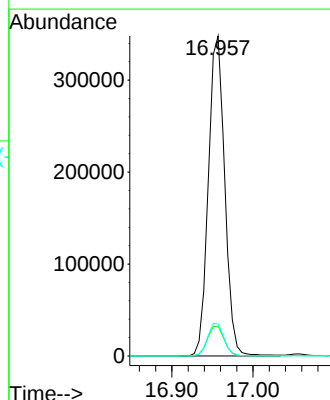
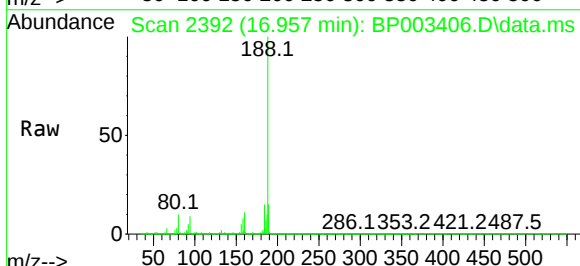
RT: 16.957 min Scan# 2392

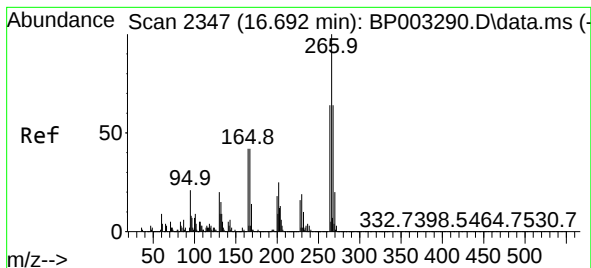
Delta R.T. -0.006 min

Lab File: BP003406.D

Acq: 29 Sep 2020 19:03

Tgt Ion:	188	Resp:	486806
Ion Ratio	Lower	Upper	
188	100		
94	9.3	6.2	9.2#
80	10.0	6.2	9.2#

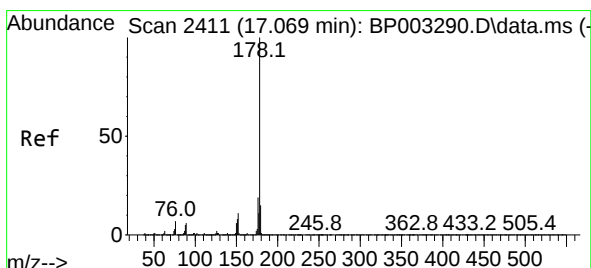
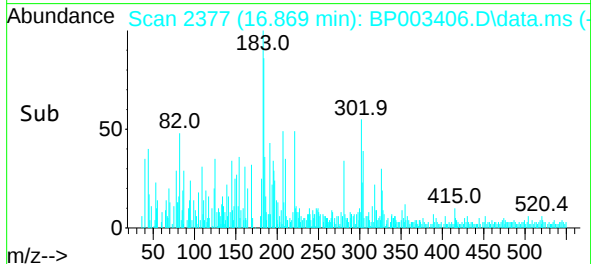
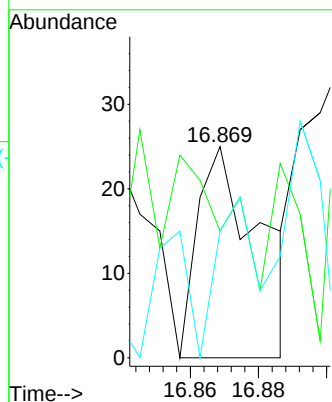
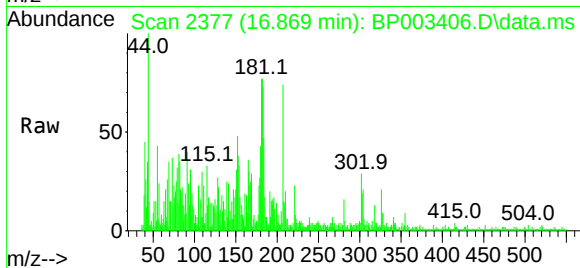




#70
Pentachlorophenol
Concen: 6.78 ng
RT: 16.869 min Scan# 2377
Delta R.T. 0.229 min
Lab File: BP003406.D
Acq: 29 Sep 2020 19:03

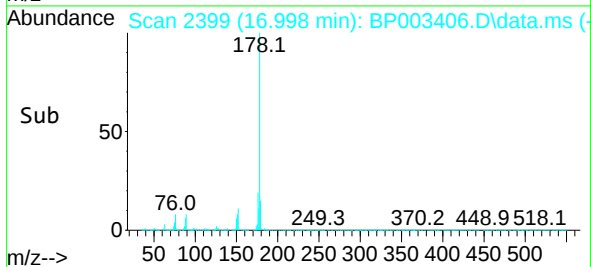
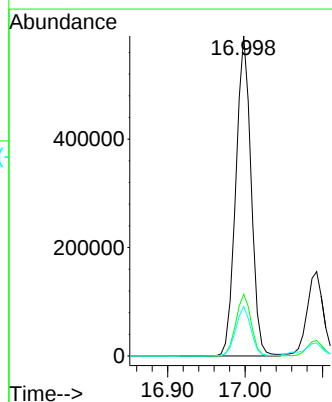
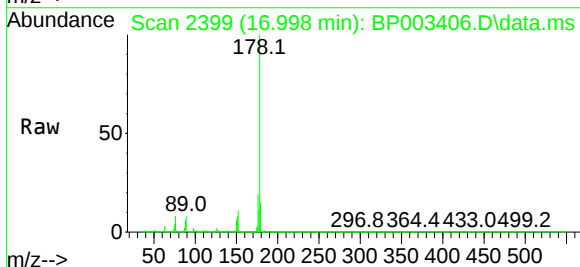
Instrument :
BNA_P
ClientSampleId :
B-5(5-7)DL

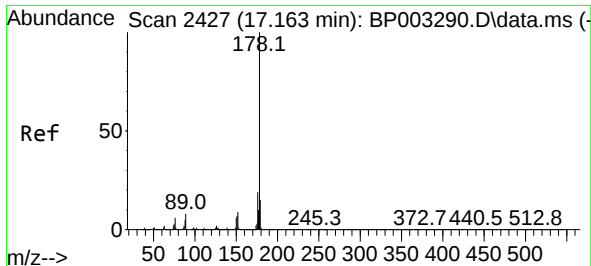
Tgt Ion:266 Resp: 31
Ion Ratio Lower Upper
266 100
268 60.0 51.1 76.7
264 60.0 50.6 76.0



#71
Phenanthrene
Concen: 30.47 ng
RT: 16.998 min Scan# 2399
Delta R.T. -0.012 min
Lab File: BP003406.D
Acq: 29 Sep 2020 19:03

Tgt Ion:178 Resp: 807053
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.5 12.5 18.7

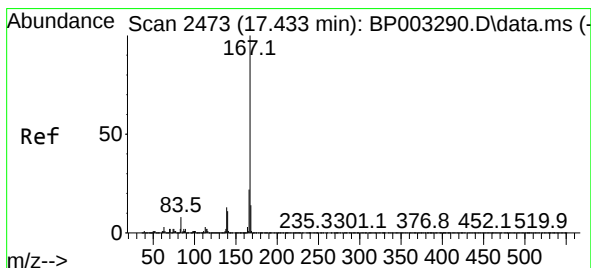
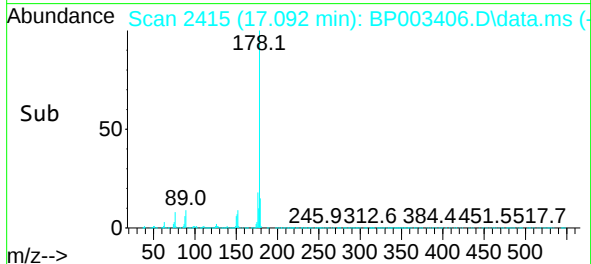
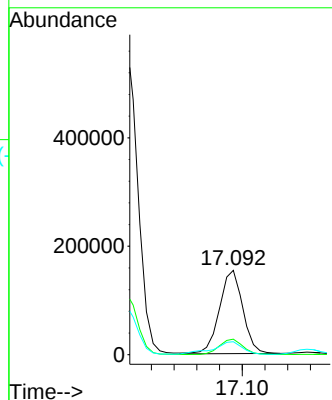
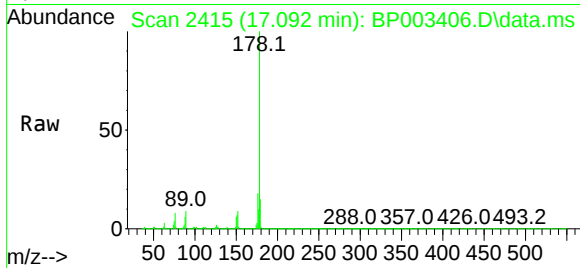




#72
 Anthracene
 Concen: 8.41 ng
 RT: 17.092 min Scan# 2415
 Delta R.T. -0.006 min
 Lab File: BP003406.D
 Acq: 29 Sep 2020 19:03

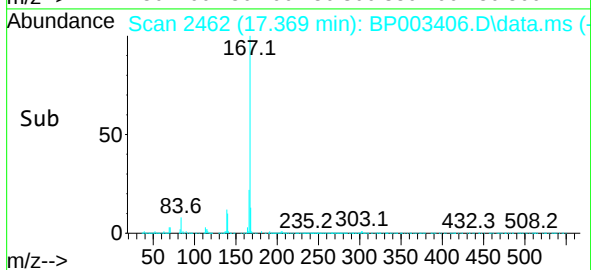
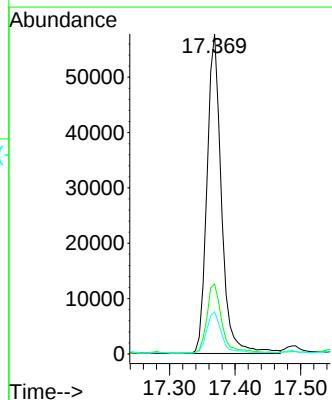
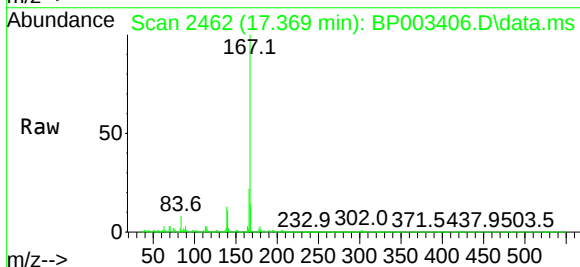
Instrument :
 BNA_P
 ClientSampleID :
 B-5(5-7)DL

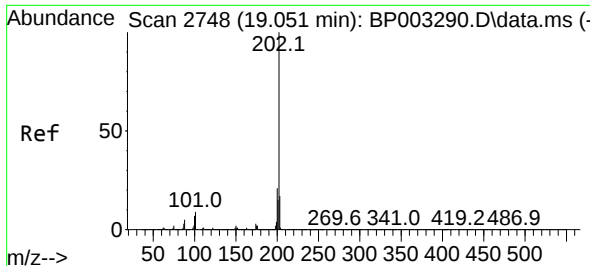
Tgt Ion:178 Resp: 219481
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.0 22.4
 179 15.3 12.5 18.7



#73
 Carbazole
 Concen: 3.58 ng
 RT: 17.369 min Scan# 2462
 Delta R.T. -0.006 min
 Lab File: BP003406.D
 Acq: 29 Sep 2020 19:03

Tgt Ion:167 Resp: 88834
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.6 26.4
 139 13.1 10.2 15.4

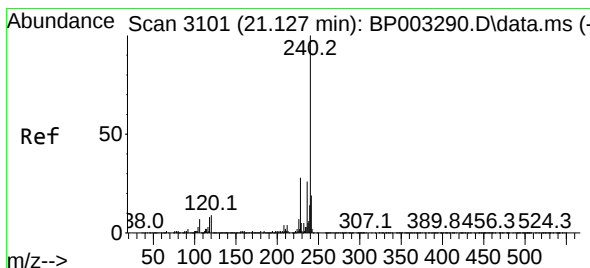
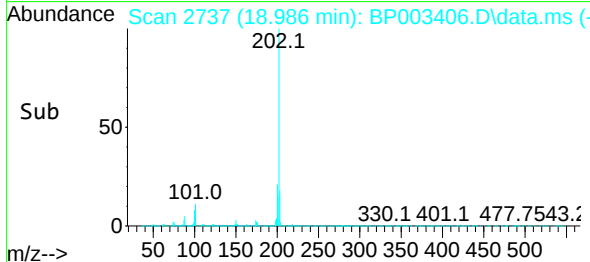
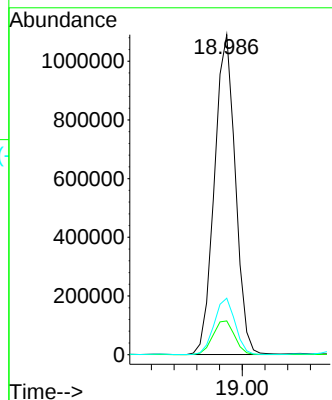
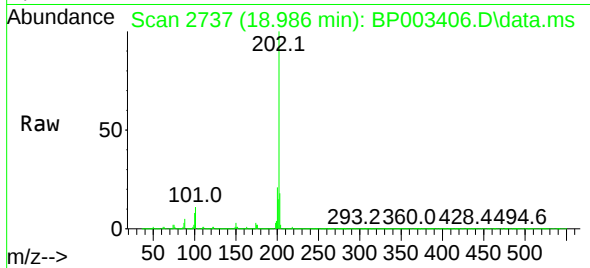




#75
Fluoranthene
Concen: 41.91 ng
RT: 18.986 min Scan# 2737
Delta R.T. -0.006 min
Lab File: BP003406.D
Acq: 29 Sep 2020 19:03

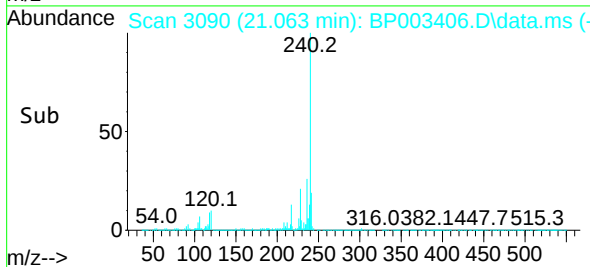
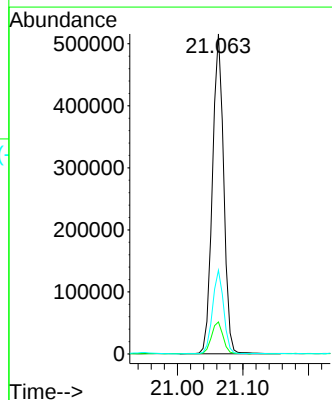
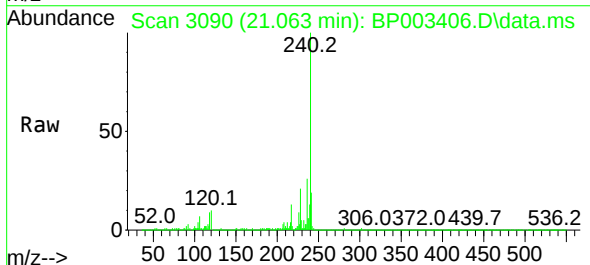
Instrument :
BNA_P
ClientSampled :
B-5(5-7)DL

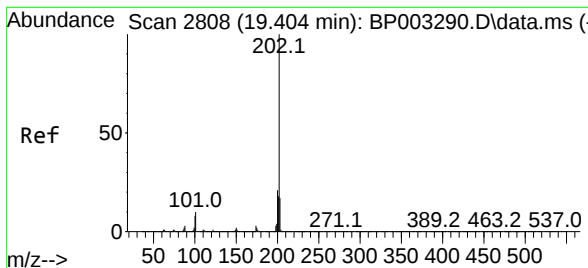
Tgt Ion:202 Resp: 1395860
Ion Ratio Lower Upper
202 100
101 10.5 0.0 29.4
203 17.7 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.063 min Scan# 3090
Delta R.T. -0.012 min
Lab File: BP003406.D
Acq: 29 Sep 2020 19:03

Tgt Ion:240 Resp: 615939
Ion Ratio Lower Upper
240 100
120 10.0 7.8 11.6
236 26.2 20.8 31.2





#78

Pyrene

Concen: 32.32 ng

RT: 19.339 min Scan# 2797

Delta R.T. -0.006 min

Lab File: BP003406.D

Acq: 29 Sep 2020 19:03

Instrument :

BNA_P

ClientSampleId :

B-5(5-7)DL

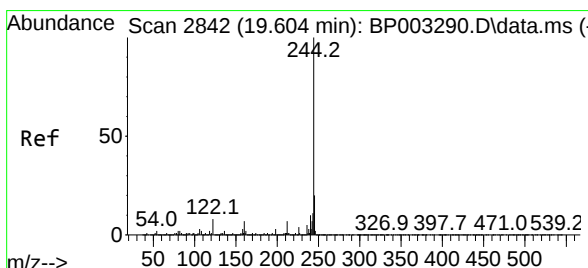
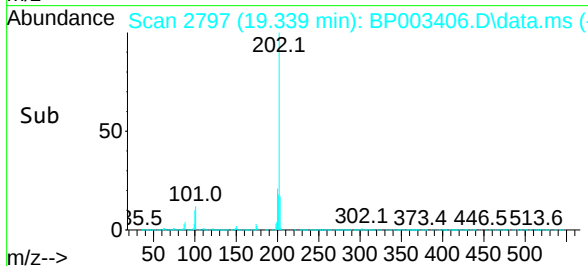
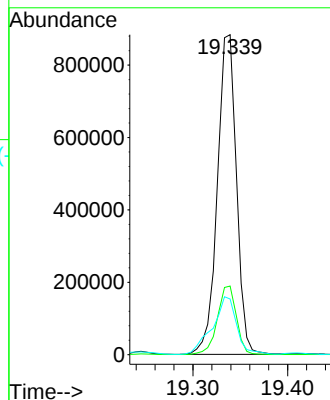
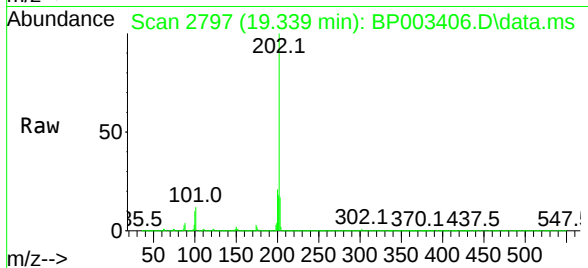
Tgt Ion:202 Resp: 1241316

Ion Ratio Lower Upper

202 100

200 21.5 17.1 25.7

203 17.4 14.2 21.2



#79

Terphenyl-d14

Concen: 9.86 ng

RT: 19.539 min Scan# 2831

Delta R.T. -0.012 min

Lab File: BP003406.D

Acq: 29 Sep 2020 19:03

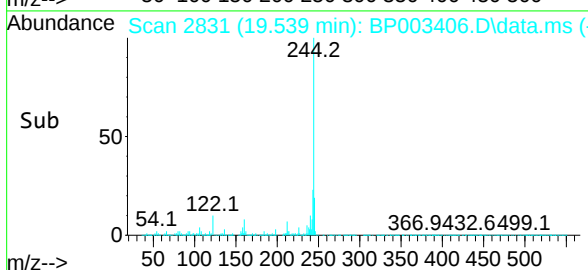
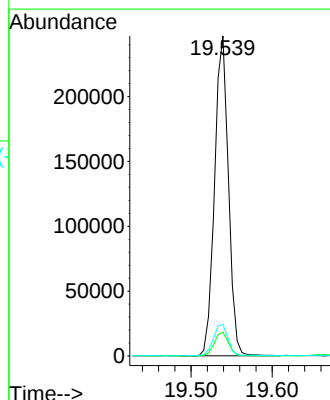
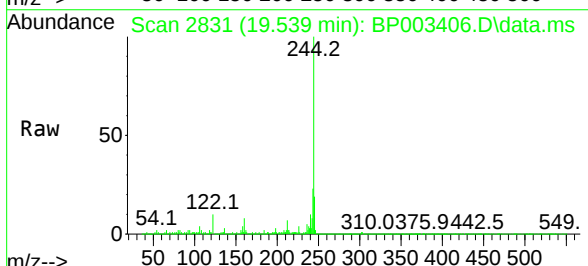
Tgt Ion:244 Resp: 291339

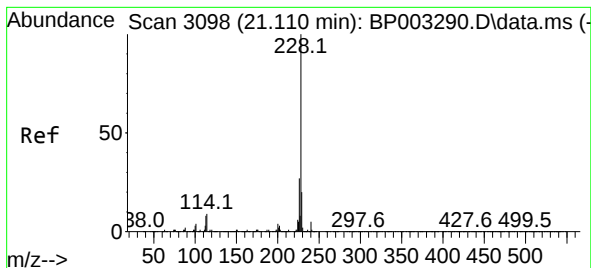
Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 9.9 7.8 11.8

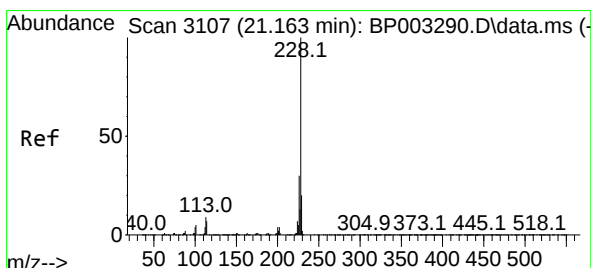
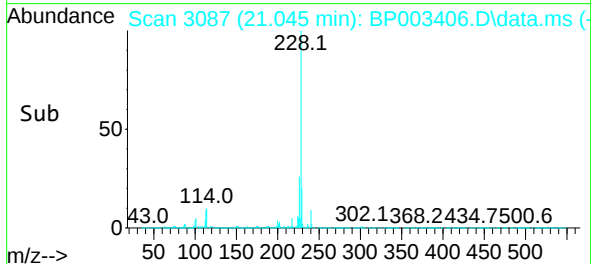
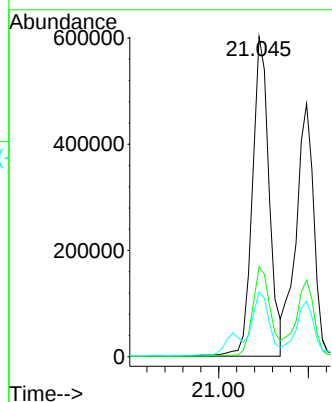
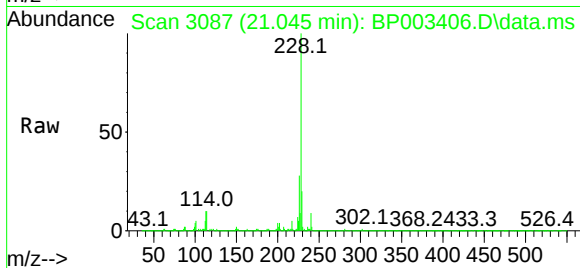




#81
Benzo(a)anthracene
Concen: 19.69 ng
RT: 21.045 min Scan# 3087
Delta R.T. -0.012 min
Lab File: BP003406.D
Acq: 29 Sep 2020 19:03

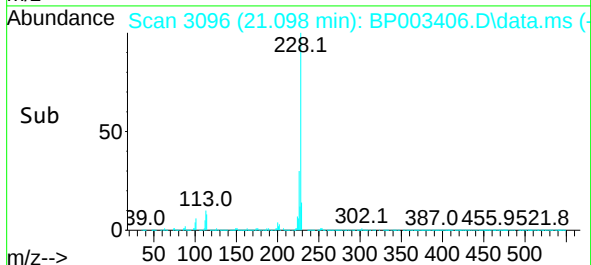
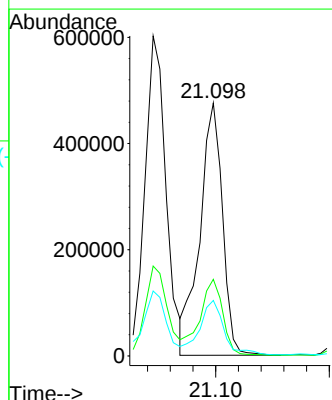
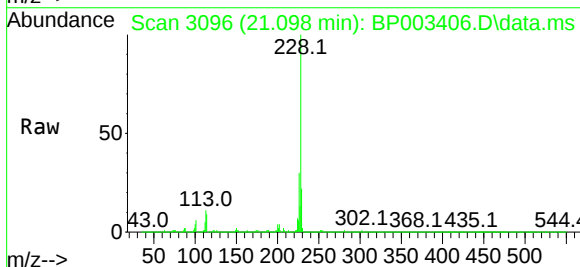
Instrument :
BNA_P
ClientSampled :
B-5(5-7)DL

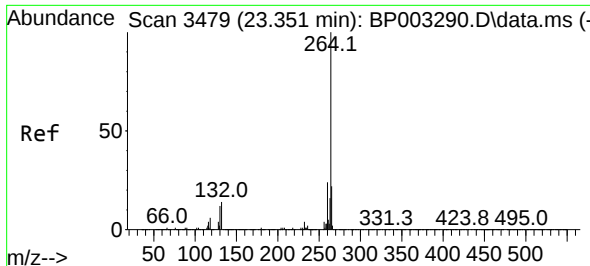
Tgt Ion:228 Resp: 783955
Ion Ratio Lower Upper
228 100
226 28.1 22.1 33.1
229 20.3 15.9 23.9



#83
Chrysene
Concen: 17.20 ng
RT: 21.098 min Scan# 3096
Delta R.T. -0.012 min
Lab File: BP003406.D
Acq: 29 Sep 2020 19:03

Tgt Ion:228 Resp: 657826
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 22.0 15.8 23.6

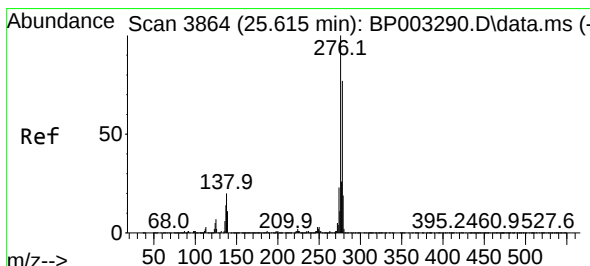
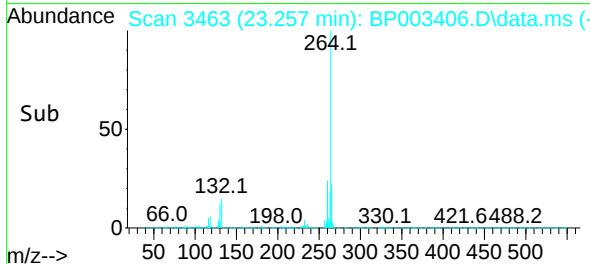
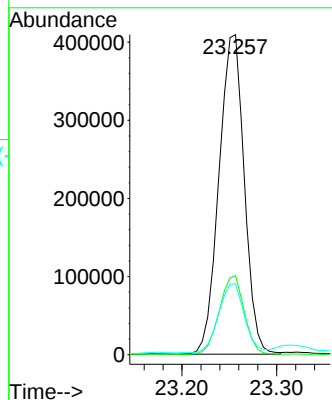
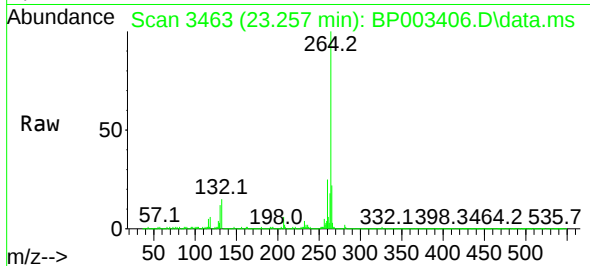




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.257 min Scan# 3463
 Delta R.T. -0.006 min
 Lab File: BP003406.D
 Acq: 29 Sep 2020 19:03

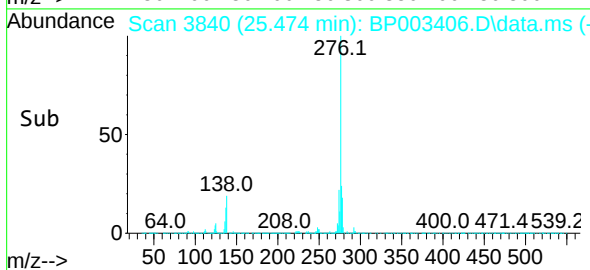
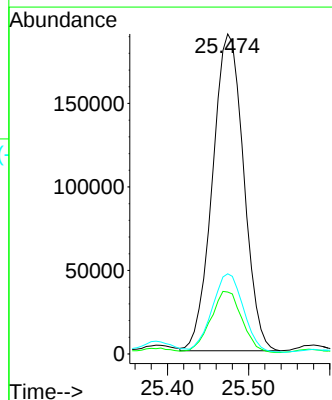
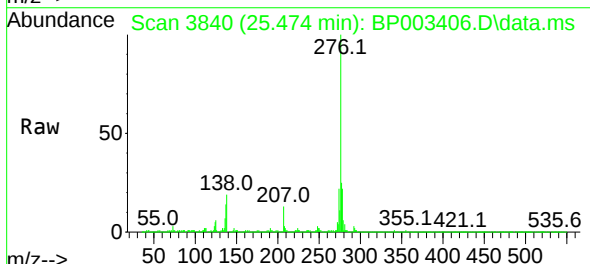
Instrument :
 BNA_P
 ClientSampleID :
 B-5(5-7)DL

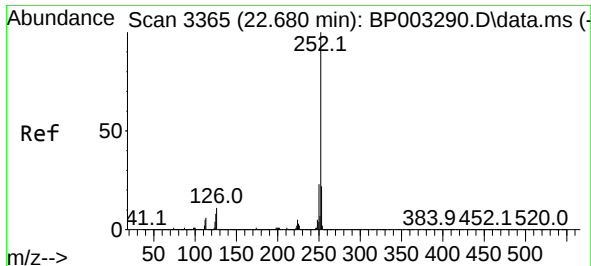
Tgt Ion:264 Resp: 759168
 Ion Ratio Lower Upper
 264 100
 260 24.7 18.8 28.2
 265 22.2 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.81 ng
 RT: 25.474 min Scan# 3840
 Delta R.T. -0.029 min
 Lab File: BP003406.D
 Acq: 29 Sep 2020 19:03

Tgt Ion:276 Resp: 506744
 Ion Ratio Lower Upper
 276 100
 138 19.4 18.7 28.1
 277 24.9 20.4 30.6

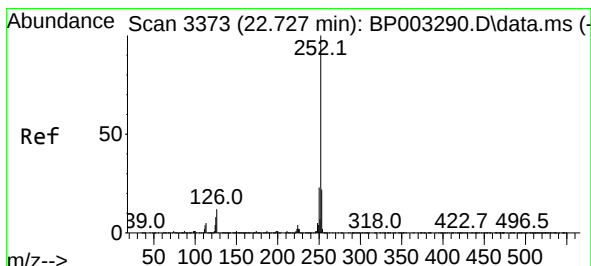
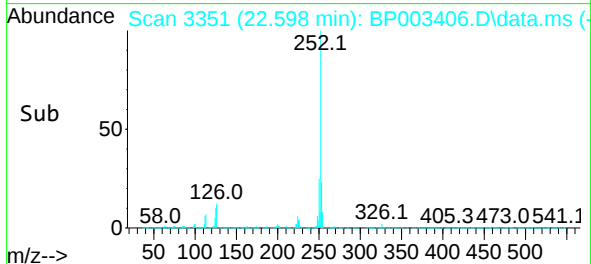
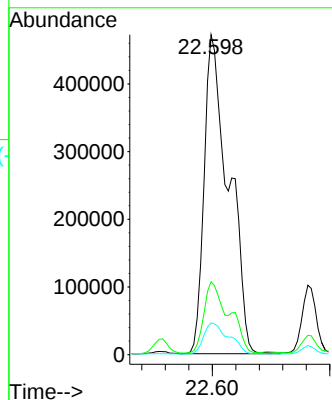
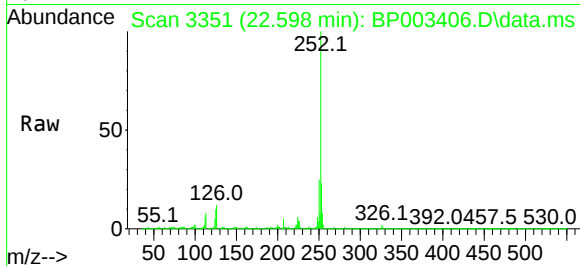




#88
Benzo(b)fluoranthene
Concen: 28.45 ng
RT: 22.598 min Scan# 3351
Delta R.T. -0.012 min
Lab File: BP003406.D
Acq: 29 Sep 2020 19:03

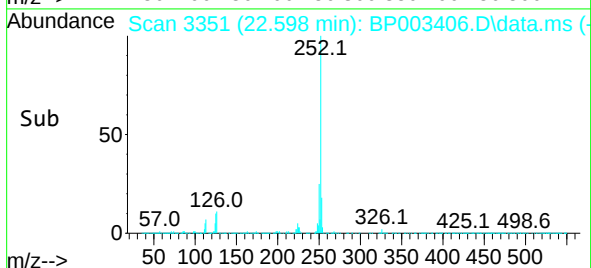
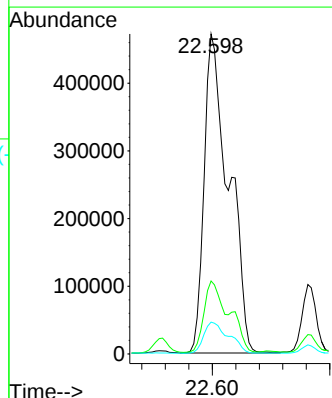
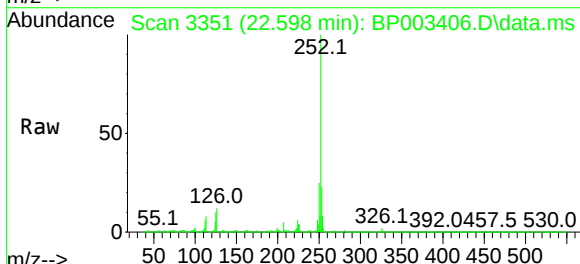
Instrument :
BNA_P
ClientSampled :
B-5(5-7)DL

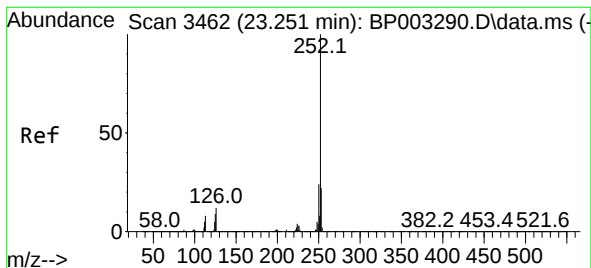
Tgt Ion:252 Resp: 1363790
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 10.0 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 29.68 ng
RT: 22.598 min Scan# 3351
Delta R.T. -0.053 min
Lab File: BP003406.D
Acq: 29 Sep 2020 19:03

Tgt Ion:252 Resp: 1363790
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 10.0 7.4 11.2





#90

Benzo(a)pyrene

Concen: 17.32 ng

RT: 23.157 min Scan# 3446

Delta R.T. -0.018 min

Lab File: BP003406.D

Acq: 29 Sep 2020 19:03

Instrument :

BNA_P

ClientSampled :

B-5(5-7)DL

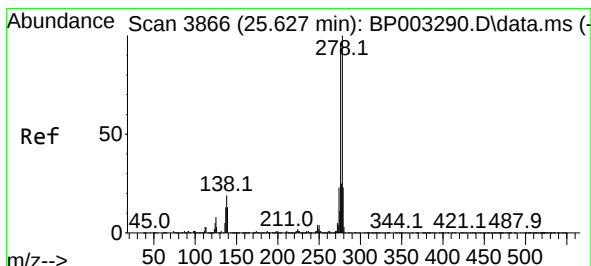
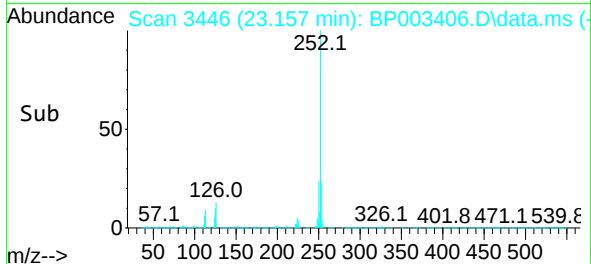
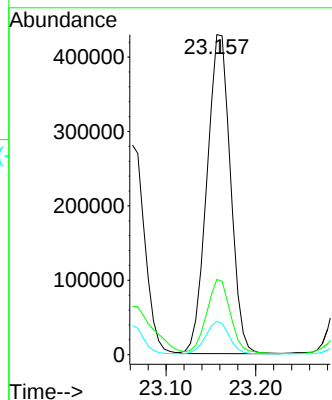
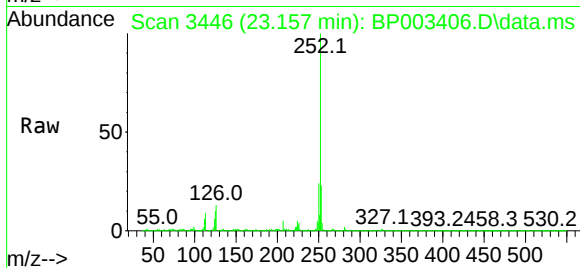
Tgt Ion:252 Resp: 783002

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

125 10.5 8.2 12.4



#91

Dibenzo(a,h)anthracene

Concen: 2.41 ng

RT: 25.727 min Scan# 3883

Delta R.T. 0.218 min

Lab File: BP003406.D

Acq: 29 Sep 2020 19:03

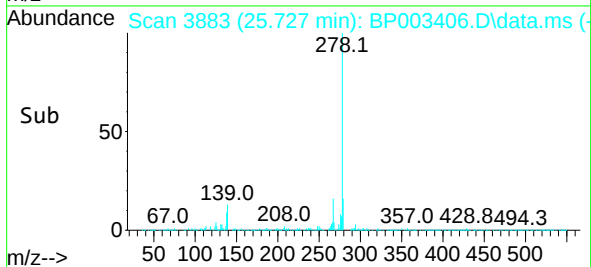
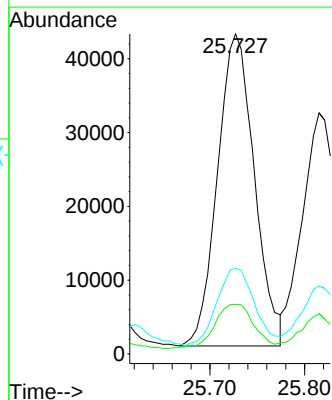
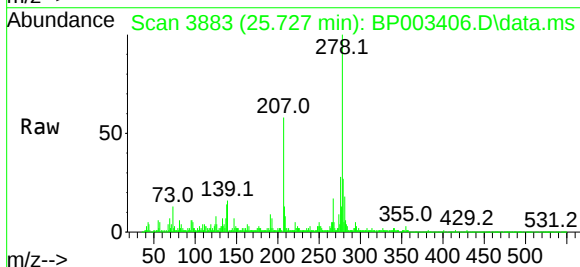
Tgt Ion:278 Resp: 114381

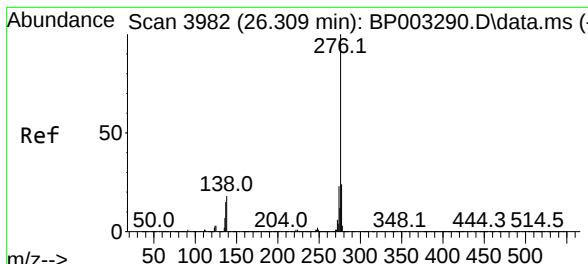
Ion Ratio Lower Upper

278 100

139 15.5 12.4 18.6

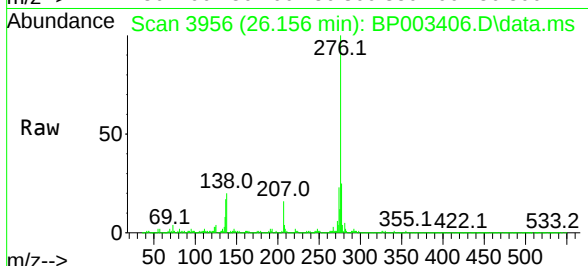
279 26.7 19.0 28.6





#92
 Benzo(g,h,i)perylene
 Concen: 9.78 ng
 RT: 26.156 min Scan# 3956
 Delta R.T. -0.029 min
 Lab File: BP003406.D
 Acq: 29 Sep 2020 19:03

Instrument :
 BNA_P
 ClientSampleId :
 B-5(5-7)DL



Tgt Ion:	276	Resp:	463726
Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.0	28.6
138	20.1	16.6	24.8

