

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
 Data File : BP003404.D
 Acq On : 29 Sep 2020 17:55
 Operator : CG/JU
 Sample : L4154-07DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-4(12-14)DL

Quant Time: Sep 29 18:52:32 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)

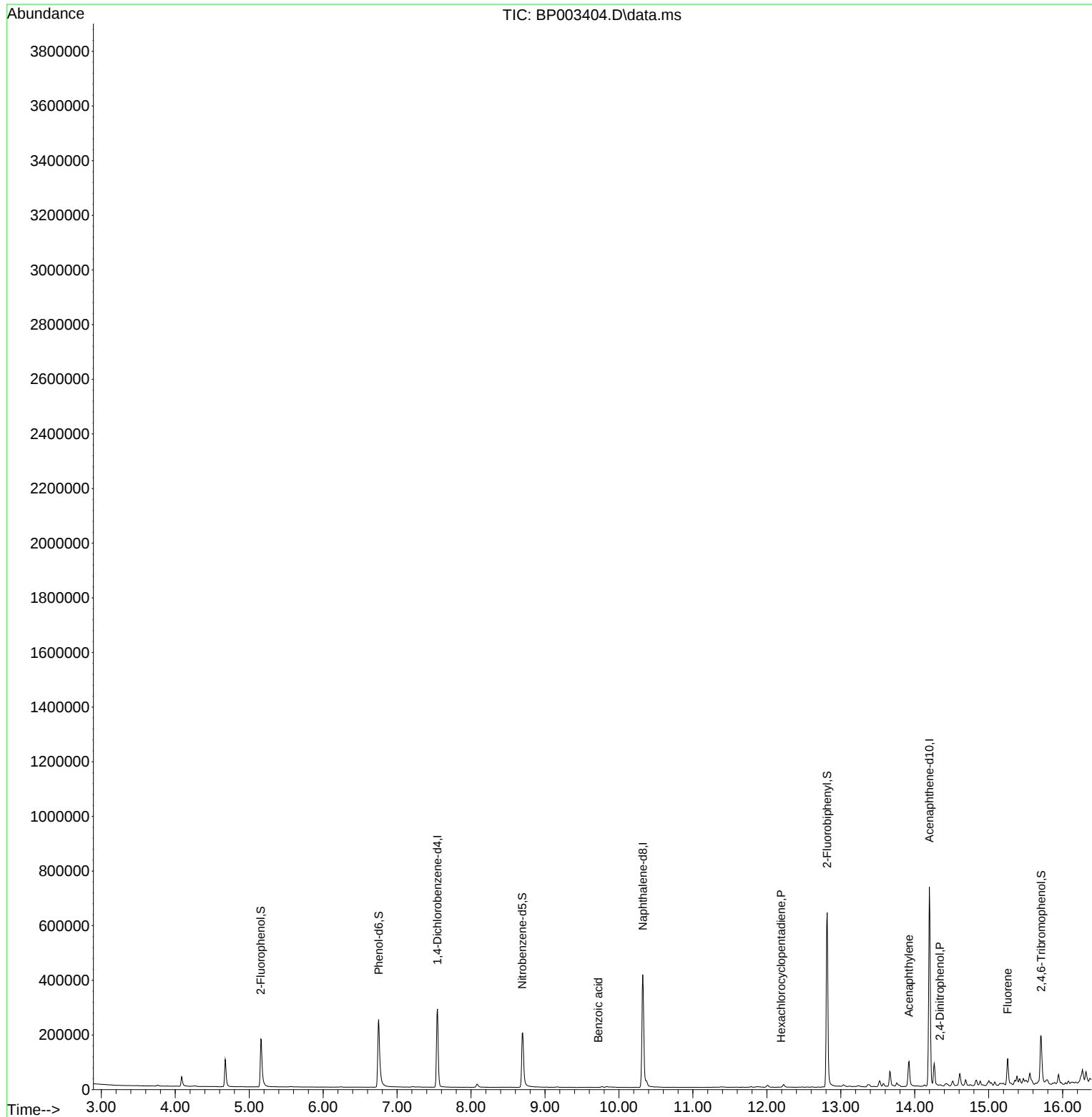
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.546	152	82501	20.00	ng	0.00
21) Naphthalene-d8	10.322	136	373811	20.00	ng	# 0.00
39) Acenaphthene-d10	14.198	164	250333	20.00	ng	-0.01
64) Phenanthrene-d10	16.957	188	569497	20.00	ng	# 0.00
76) Chrysene-d12	21.063	240	683531	20.00	ng	-0.01
86) Perylene-d12	23.257	264	840090	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.158	112	101642	21.51	ng	0.00
7) Phenol-d6	6.752	99	200654	31.86	ng	0.00
23) Nitrobenzene-d5	8.693	82	152850	24.02	ng	-0.01
42) 2,4,6-Tribromophenol	15.710	330	33535	8.78	ng	0.00
45) 2-Fluorobiphenyl	12.816	172	350508	20.48	ng	0.00
79) Terphenyl-d14	19.539	244	610119	18.60	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	9.722	122	18	9.16	ng	# 1
41) Hexachlorocyclopentadiene	12.193	237	32	6.85	ng	80
49) Acenaphthylene	13.922	152	74107	3.14	ng	100
54) 2,4-Dinitrophenol	14.339	184	14	7.26	ng	# 1
58) Fluorene	15.257	166	41431	2.29	ng	# 99
70) Pentachlorophenol	16.628	266	14	6.77	ng	# 37
71) Phenanthrene	16.998	178	914009	29.50	ng	100
72) Anthracene	17.086	178	264154	8.65	ng	100
73) Carbazole	17.369	167	61356	2.12	ng	98
75) Fluoranthene	18.986	202	1801343	46.24	ng	99
78) Pyrene	19.339	202	1843445	43.24	ng	100
81) Benzo(a)anthracene	21.045	228	1087423	24.61	ng	99
83) Chrysene	21.098	228	953291	22.46	ng	98
87) Indeno(1,2,3-cd)pyrene	25.474	276	613234	9.63	ng	95
88) Benzo(b)fluoranthene	22.598	252	1643352	30.98	ng	98
89) Benzo(k)fluoranthene	22.598	252	1643352	32.32	ng	98
90) Benzo(a)pyrene	23.163	252	1016007	20.31	ng	98
91) Dibenzo(a,h)anthracene	25.727	278	144773	2.76	ng	96
92) Benzo(g,h,i)perylene	26.156	276	597341	11.39	ng	99

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

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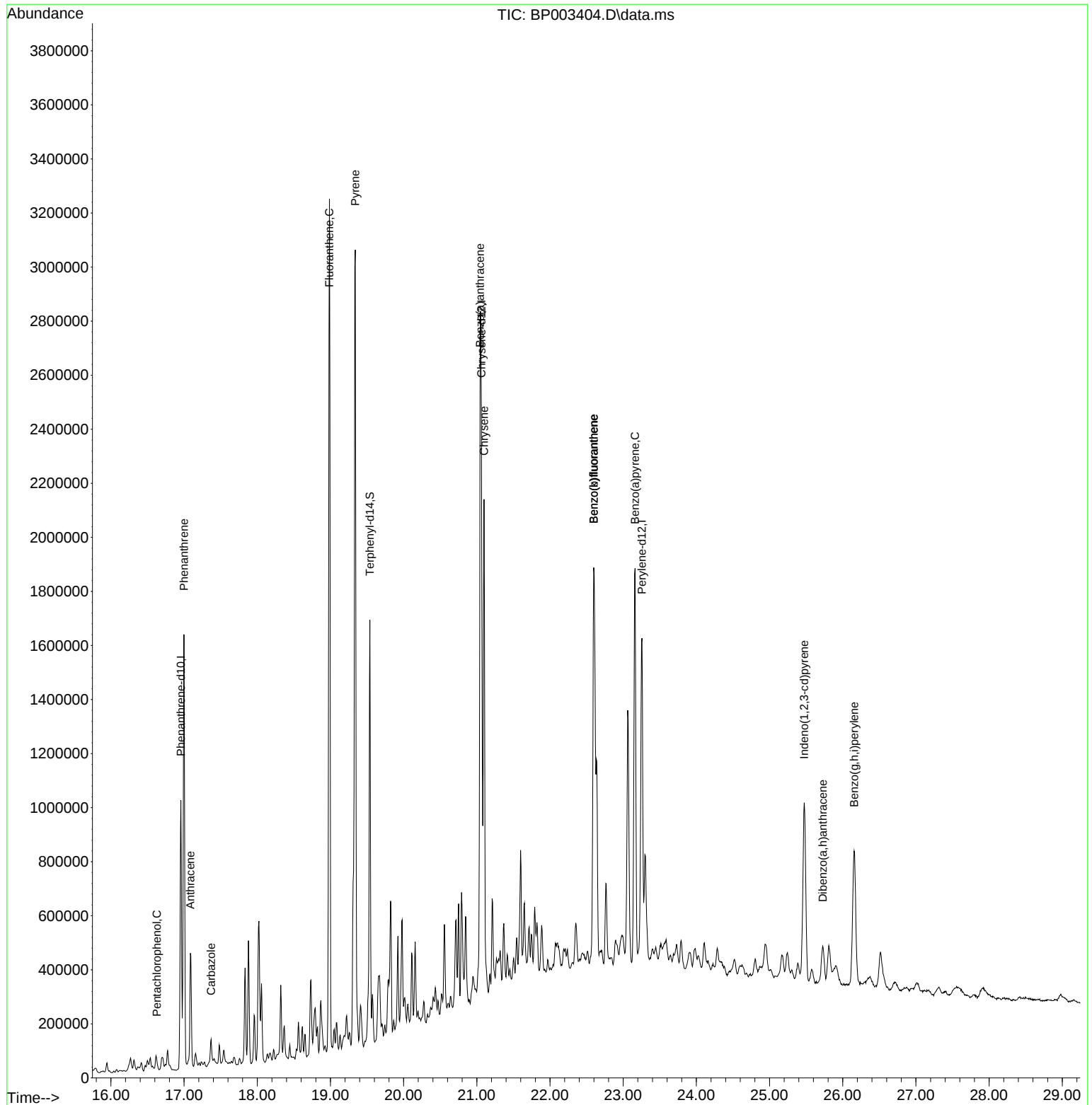
Quant Time: Sep 29 18:52:32 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
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QLast Update : Mon Sep 28 17:55:44 2020
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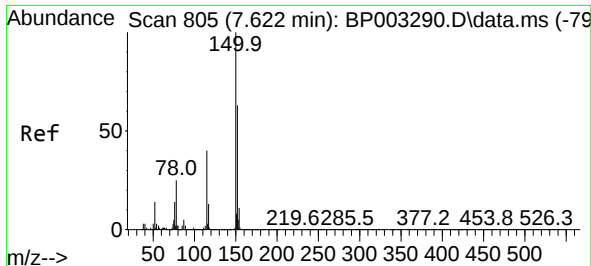


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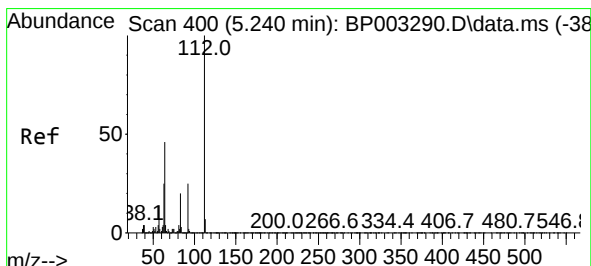
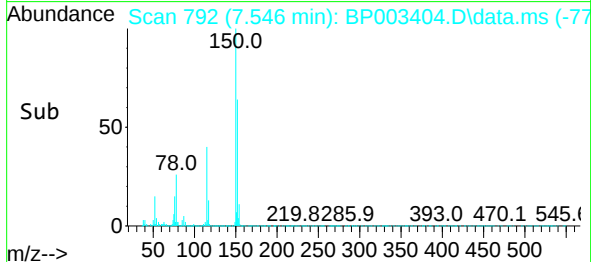
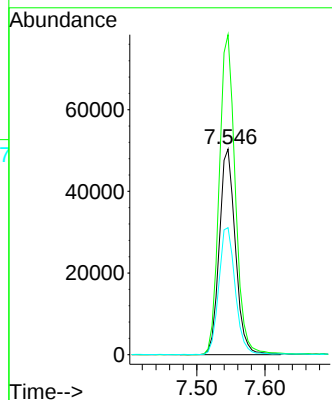
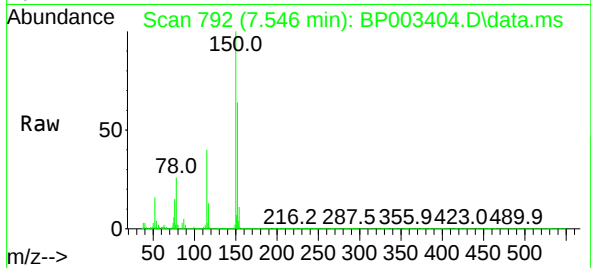




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.546 min Scan# 792
 Delta R.T. -0.000 min
 Lab File: BP003404.D
 Acq: 29 Sep 2020 17:55

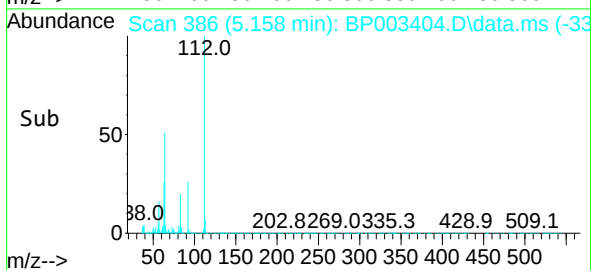
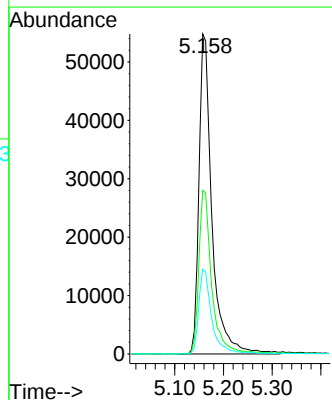
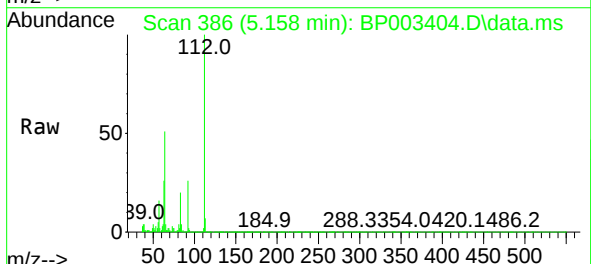
Instrument :
 BNA_P
 ClientSampleId :
 B-4(12-14)DL

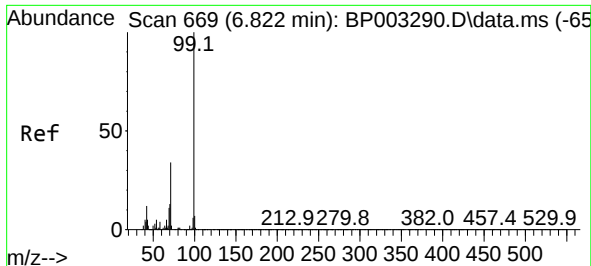
Tgt Ion:152 Resp: 82501
 Ion Ratio Lower Upper
 152 100
 150 155.6 123.8 185.6
 115 61.8 43.8 65.6



#5
 2-Fluorophenol
 Concen: 21.51 ng
 RT: 5.158 min Scan# 386
 Delta R.T. -0.006 min
 Lab File: BP003404.D
 Acq: 29 Sep 2020 17:55

Tgt Ion:112 Resp: 101642
 Ion Ratio Lower Upper
 112 100
 64 51.1 32.8 49.2#
 63 26.5 17.0 25.4#

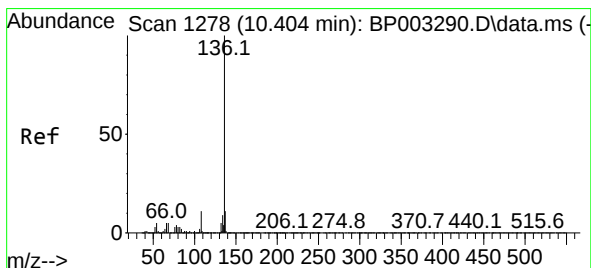
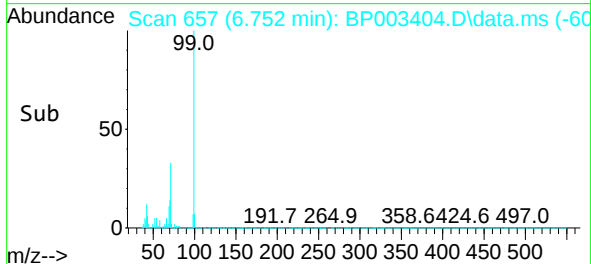
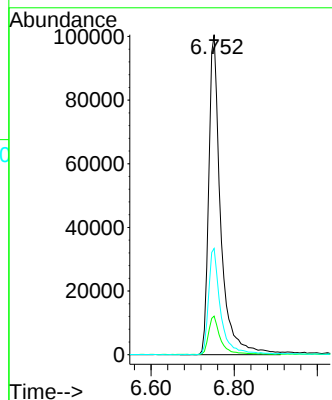
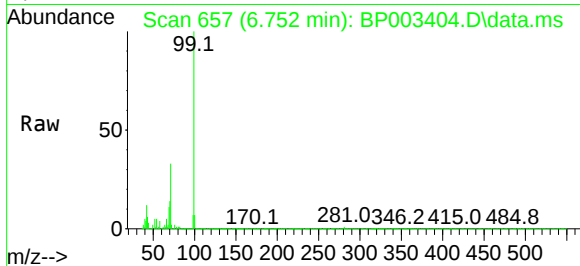




#7
Phenol-d6
Concen: 31.86 ng
RT: 6.752 min Scan# 657
Delta R.T. 0.000 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

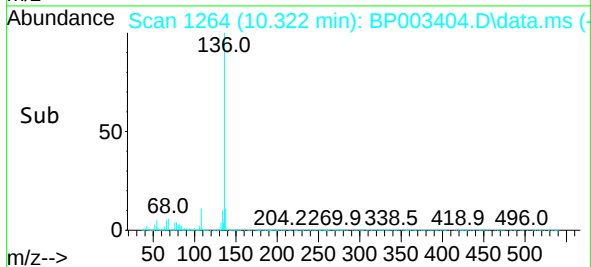
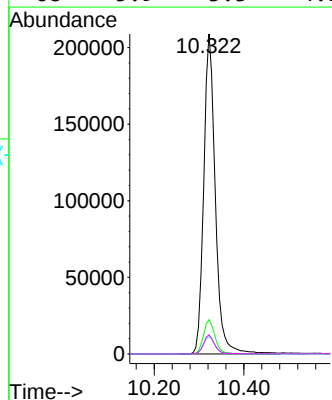
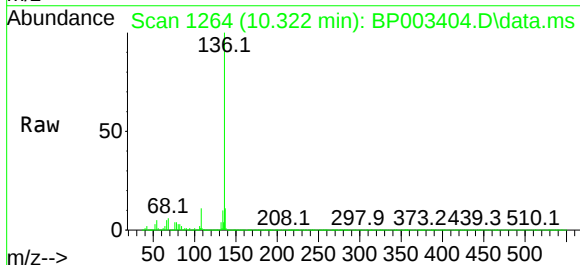
Instrument :
BNA_P
ClientSampleId :
B-4(12-14)DL

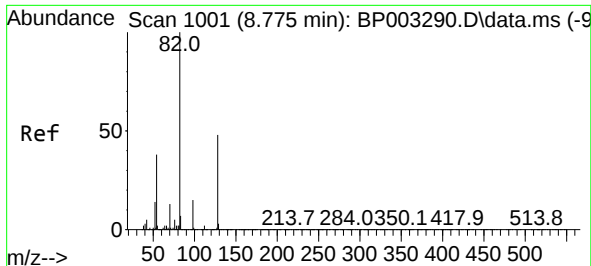
Tgt Ion: 99 Resp: 200654
Ion Ratio Lower Upper
99 100
42 12.0 8.6 13.0
71 33.2 23.4 35.2



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.322 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

Tgt Ion: 136 Resp: 373811
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 5.4 3.6 5.4
68 5.9 3.3 4.9#

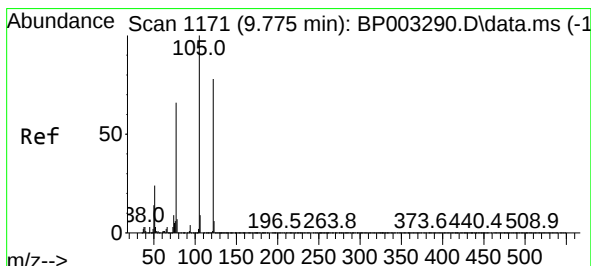
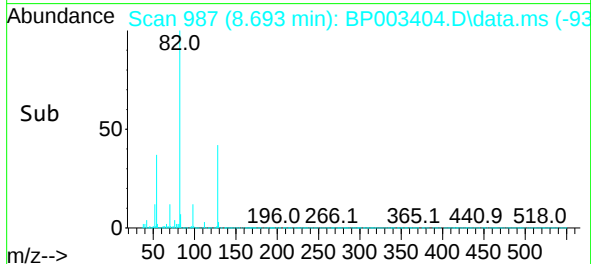
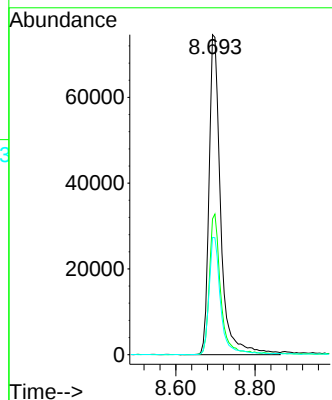
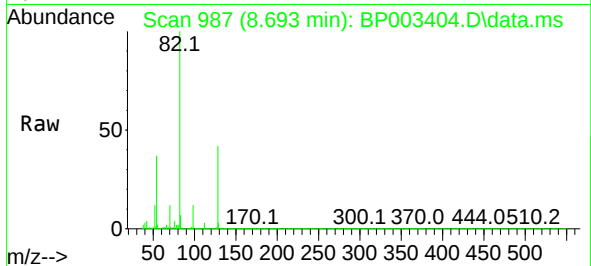




#23
Nitrobenzene-d5
Concen: 24.02 ng
RT: 8.693 min Scan# 987
Delta R.T. -0.012 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

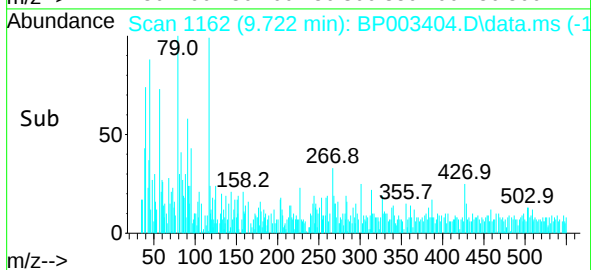
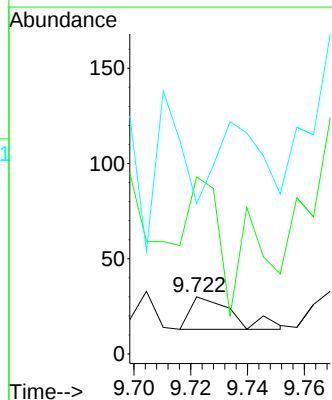
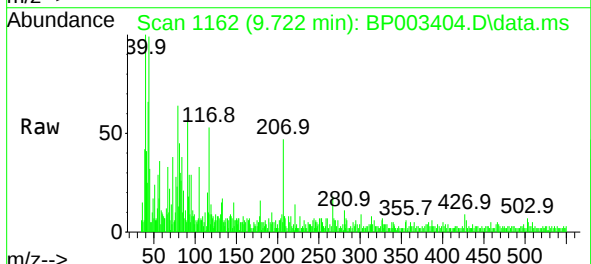
Instrument :
BNA_P
ClientSampleId :
B-4(12-14)DL

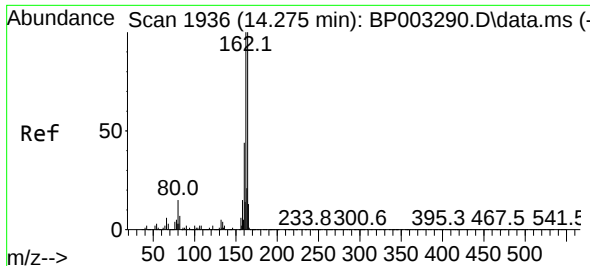
Tgt Ion: 82 Resp: 152850
Ion Ratio Lower Upper
82 100
128 42.4 45.6 68.4#
54 36.6 30.1 45.1



#32
Benzoic acid
Concen: 9.16 ng
RT: 9.722 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

Tgt Ion: 122 Resp: 18
Ion Ratio Lower Upper
122 100
105 310.0 94.1 134.1#
77 263.3 50.1 90.1#

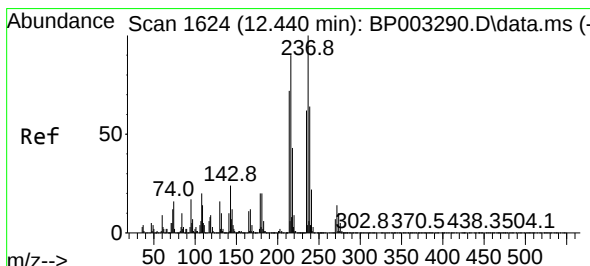
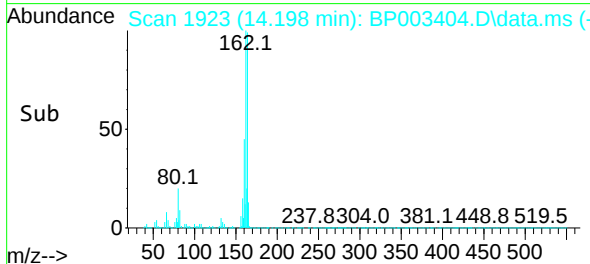
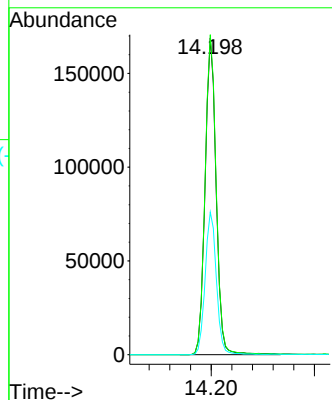
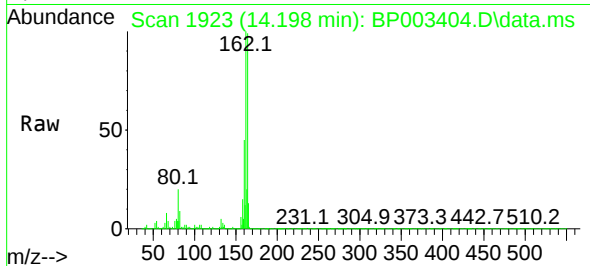




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.198 min Scan# 1923
Delta R.T. -0.012 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

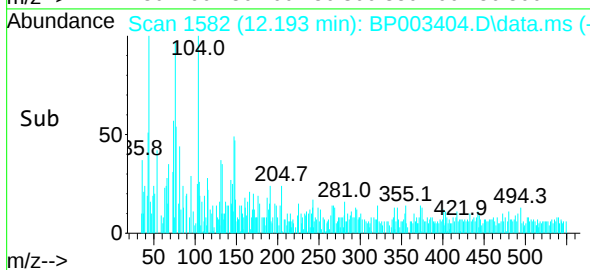
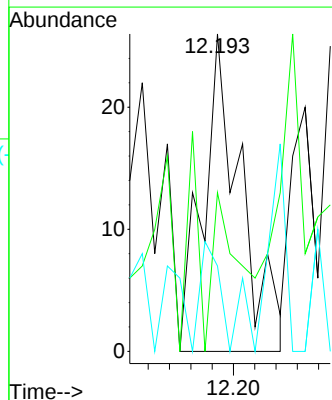
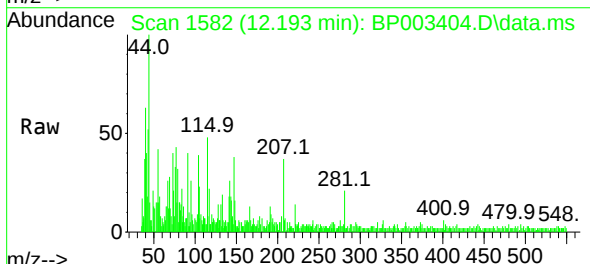
Instrument :
BNA_P
ClientSampleId :
B-4(12-14)DL

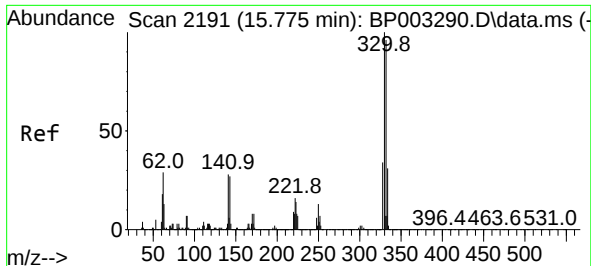
Tgt Ion:164 Resp: 250333
Ion Ratio Lower Upper
164 100
162 101.0 79.4 119.2
160 45.0 36.1 54.1



#41
Hexachlorocyclopentadiene
Concen: 6.85 ng
RT: 12.193 min Scan# 1582
Delta R.T. -0.176 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

Tgt Ion:237 Resp: 32
Ion Ratio Lower Upper
237 100
235 50.0 43.2 83.2
272 26.9 0.0 33.3

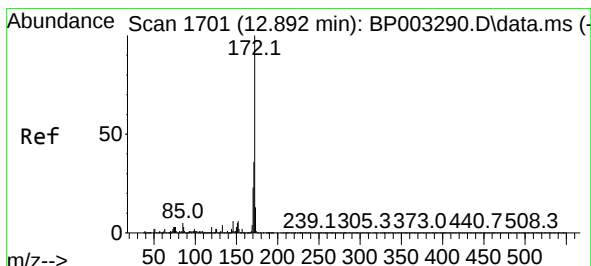
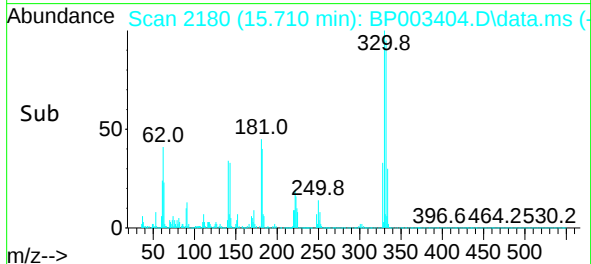
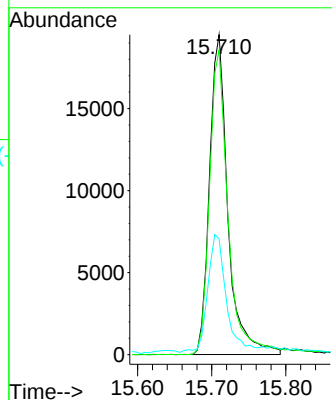
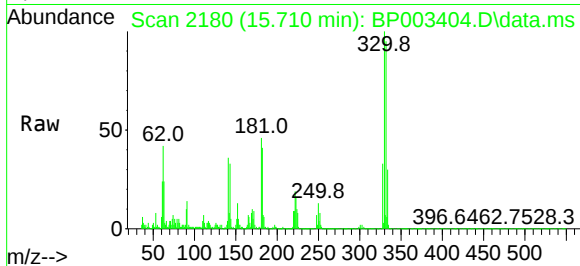




#42
2,4,6-Tribromophenol
Concen: 8.78 ng
RT: 15.710 min Scan# 2180
Delta R.T. 0.000 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

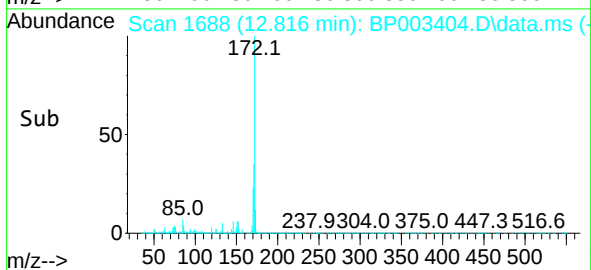
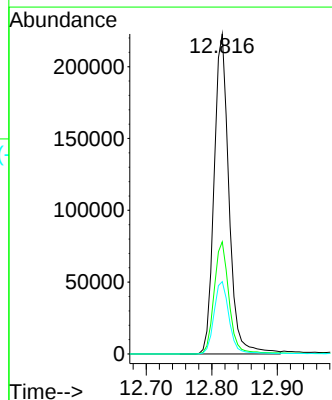
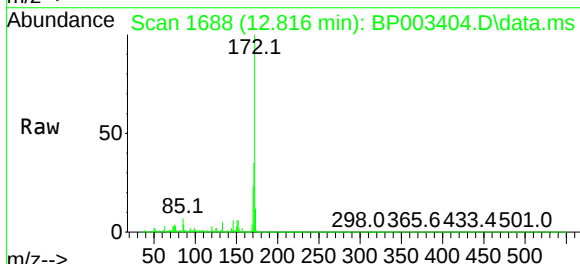
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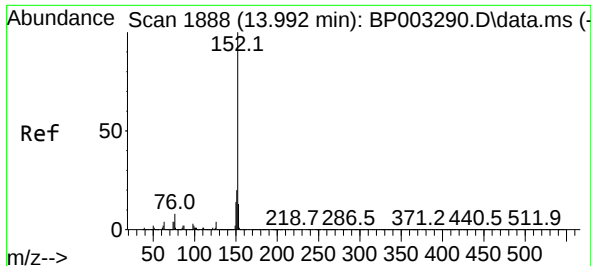
Tgt Ion:330 Resp: 33535
Ion Ratio Lower Upper
330 100
332 99.3 77.1 115.7
141 37.3 23.4 35.2#



#45
2-Fluorobiphenyl
Concen: 20.48 ng
RT: 12.816 min Scan# 1688
Delta R.T. -0.006 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

Tgt Ion:172 Resp: 350508
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 22.6 19.2 28.8





#49

Acenaphthylene

Concen: 3.14 ng

RT: 13.922 min Scan# 1876

Delta R.T. -0.006 min

Lab File: BP003404.D

Acq: 29 Sep 2020 17:55

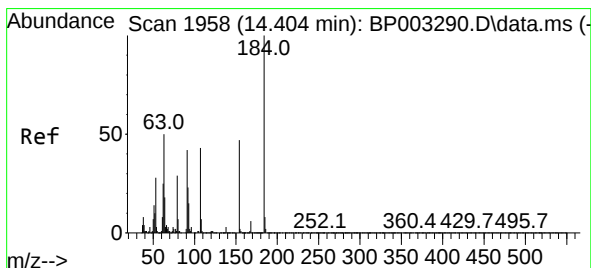
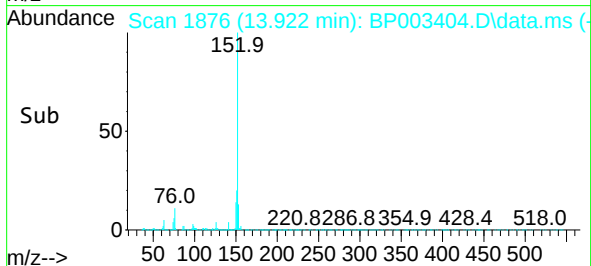
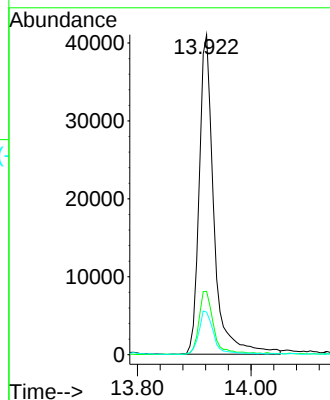
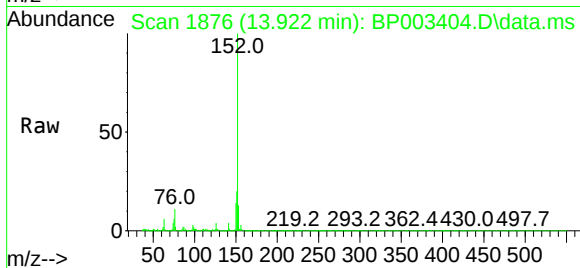
Tgt Ion:152	Resp:	74107
Ion Ratio	Lower	Upper
152	100	
151	19.8	15.9 23.9
153	13.3	10.5 15.7

Instrument :

BNA_P

ClientSampleId :

B-4(12-14)DL



#54

2,4-Dinitrophenol

Concen: 7.26 ng

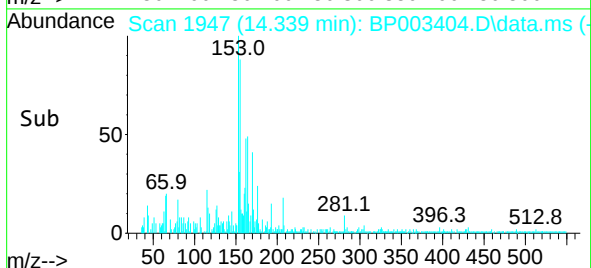
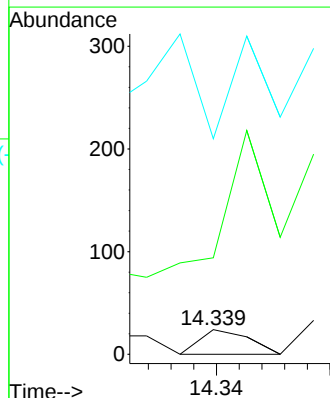
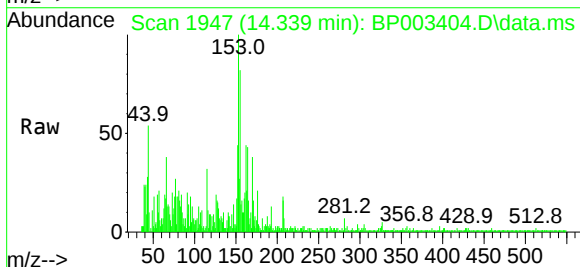
RT: 14.339 min Scan# 1947

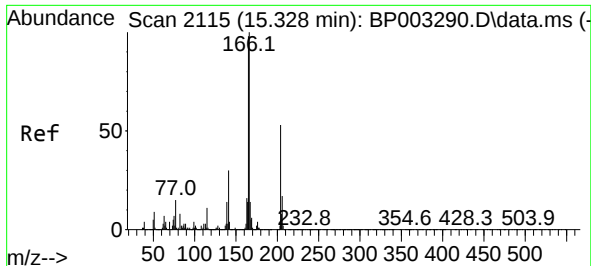
Delta R.T. -0.018 min

Lab File: BP003404.D

Acq: 29 Sep 2020 17:55

Tgt Ion:184	Resp:	14
Ion Ratio	Lower	Upper
184	100	
63	391.7	32.3 48.5#
154	875.0	49.1 73.7#

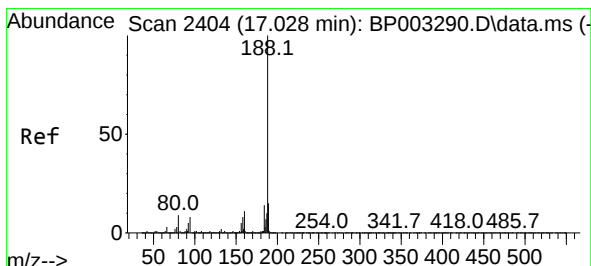
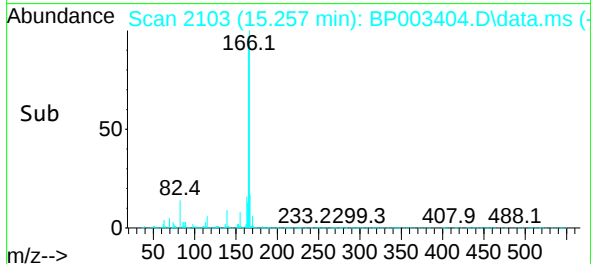
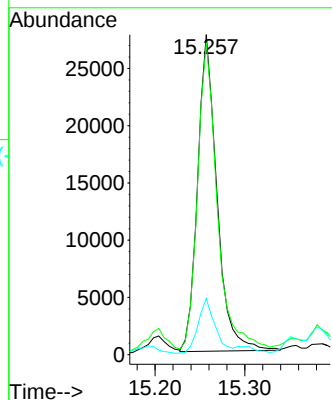
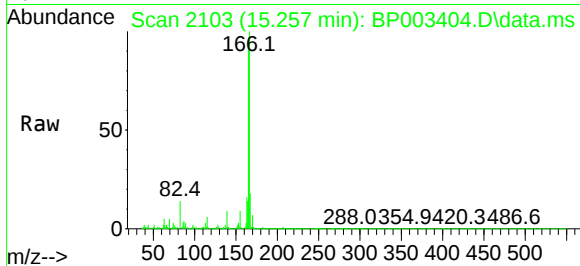




#58
Fluorene
Concen: 2.29 ng
RT: 15.257 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

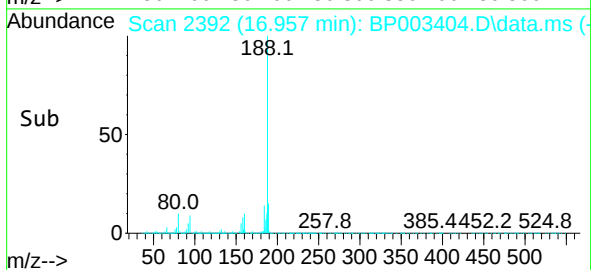
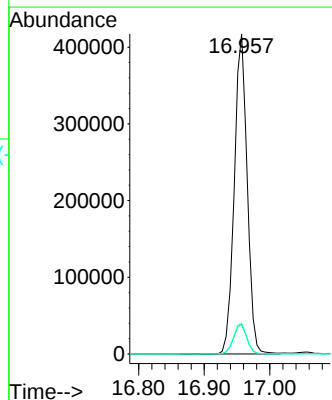
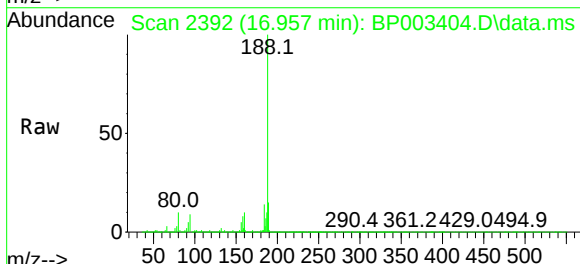
Instrument :
BNA_P
ClientSampleId :
B-4(12-14)DL

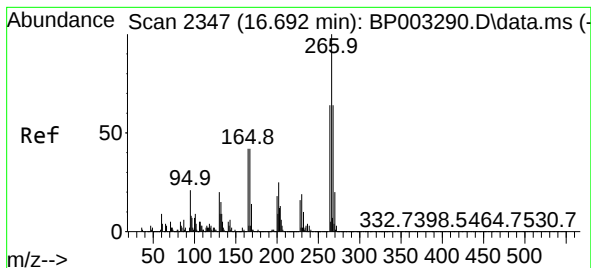
Tgt Ion:166 Resp: 41431
Ion Ratio Lower Upper
166 100
165 97.5 77.8 116.8
167 17.5 11.0 16.4#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.957 min Scan# 2392
Delta R.T. -0.006 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

Tgt Ion:188 Resp: 569497
Ion Ratio Lower Upper
188 100
94 9.2 6.2 9.2
80 9.5 6.2 9.2#

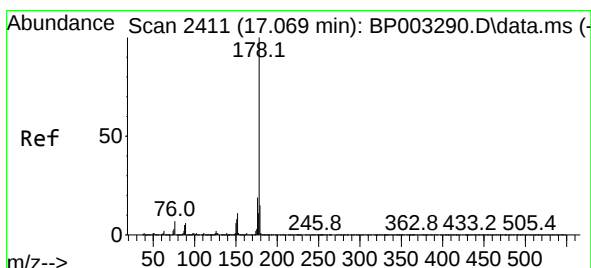
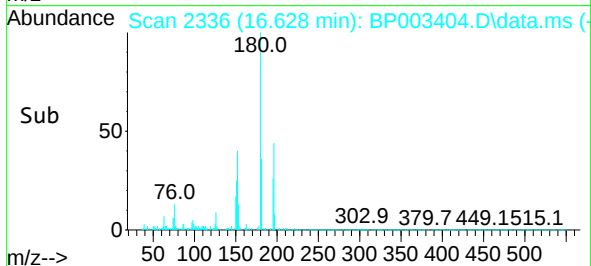
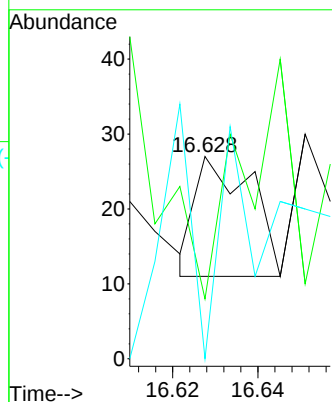
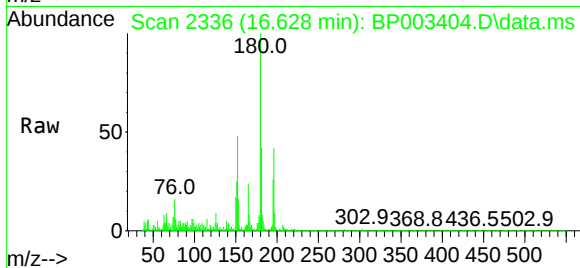




#70
Pentachlorophenol
Concen: 6.77 ng
RT: 16.628 min Scan# 2336
Delta R.T. -0.012 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

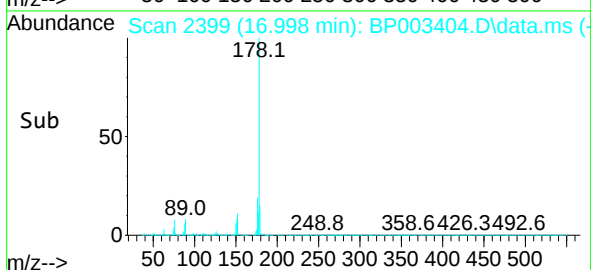
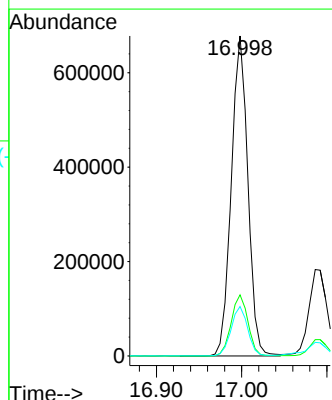
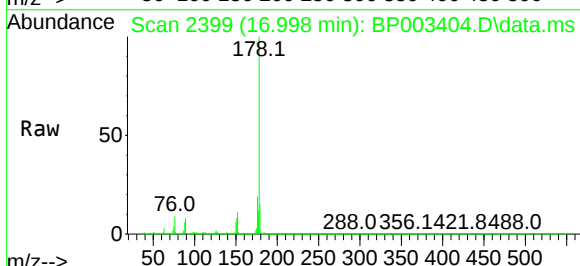
Instrument :
BNA_P
ClientSampleID :
B-4(12-14)DL

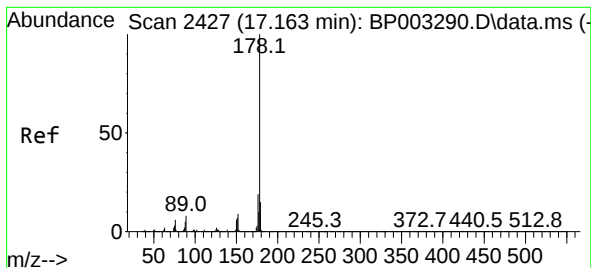
Tgt Ion:266 Resp: 14
Ion Ratio Lower Upper
266 100
268 29.6 51.1 76.7#
264 0.0 50.6 76.0#



#71
Phenanthrene
Concen: 29.50 ng
RT: 16.998 min Scan# 2399
Delta R.T. -0.012 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

Tgt Ion:178 Resp: 914009
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.5 12.5 18.7





#72

Anthracene

Concen: 8.65 ng

RT: 17.086 min Scan# 2414

Delta R.T. -0.012 min

Lab File: BP003404.D

Acq: 29 Sep 2020 17:55

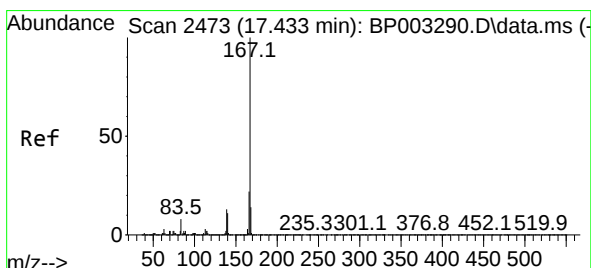
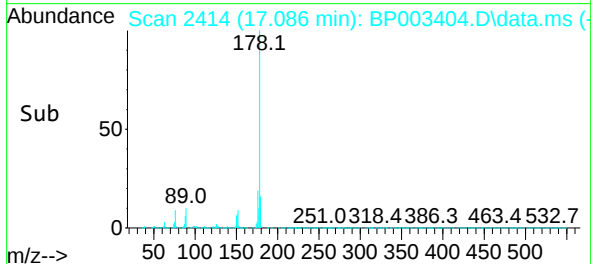
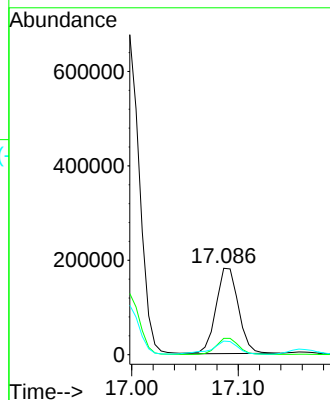
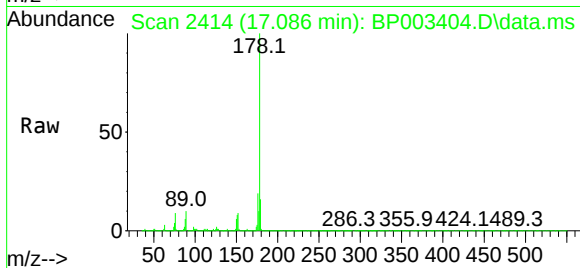
Tgt Ion:178 Resp: 264154

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

179 15.7 12.5 18.7



#73

Carbazole

Concen: 2.12 ng

RT: 17.369 min Scan# 2462

Delta R.T. -0.006 min

Lab File: BP003404.D

Acq: 29 Sep 2020 17:55

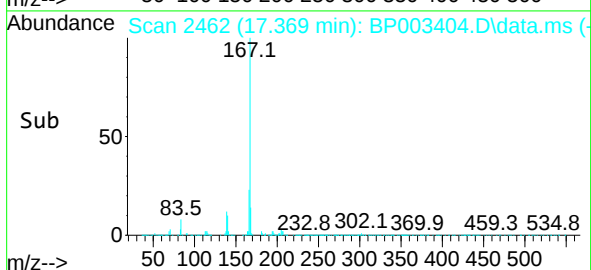
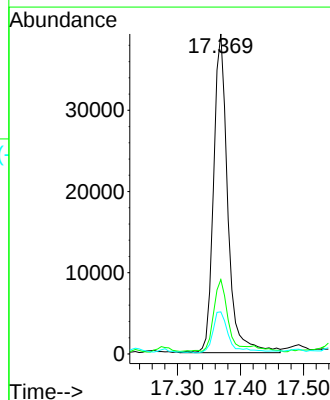
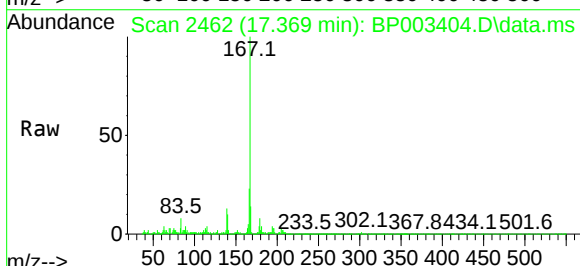
Tgt Ion:167 Resp: 61356

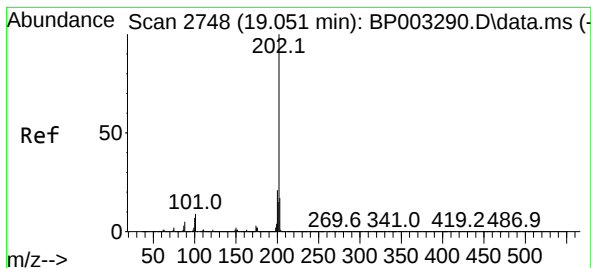
Ion Ratio Lower Upper

167 100

166 23.3 17.6 26.4

139 13.2 10.2 15.4

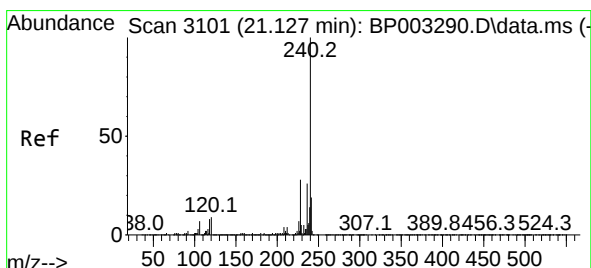
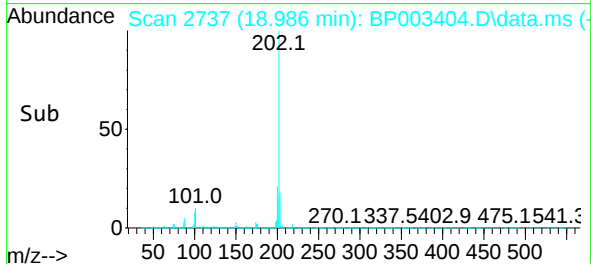
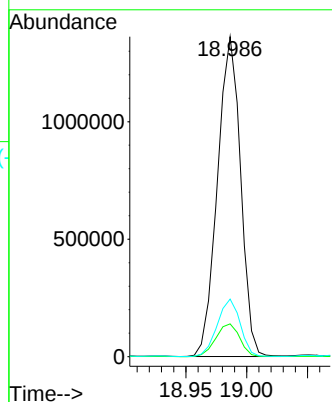
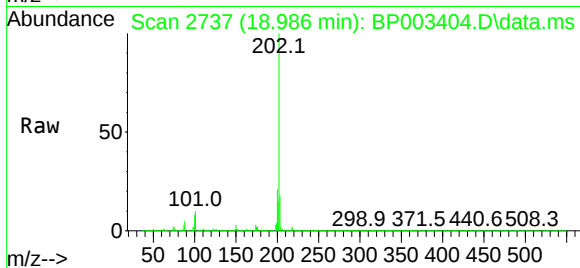




#75
Fluoranthene
Concen: 46.24 ng
RT: 18.986 min Scan# 2737
Delta R.T. -0.006 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

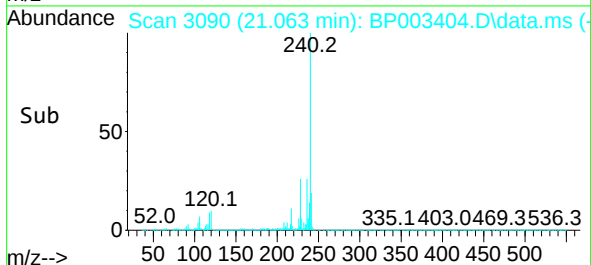
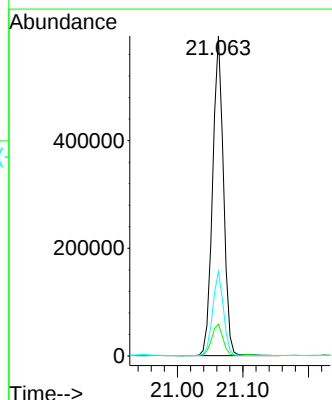
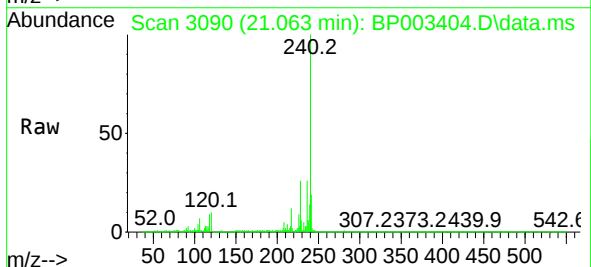
Instrument :
BNA_P
ClientSampleId :
B-4(12-14)DL

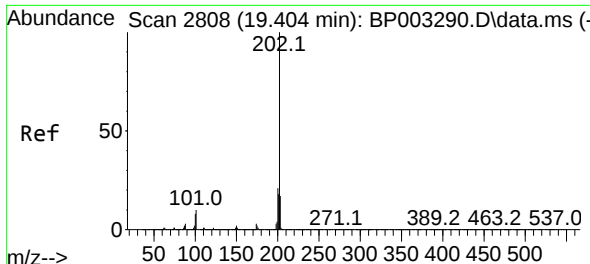
Tgt Ion:202 Resp: 1801343
Ion Ratio Lower Upper
202 100
101 10.3 0.0 29.4
203 18.0 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.063 min Scan# 3090
Delta R.T. -0.012 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

Tgt Ion:240 Resp: 683531
Ion Ratio Lower Upper
240 100
120 10.0 7.8 11.6
236 26.4 20.8 31.2

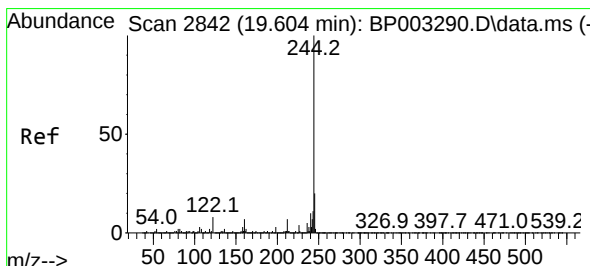
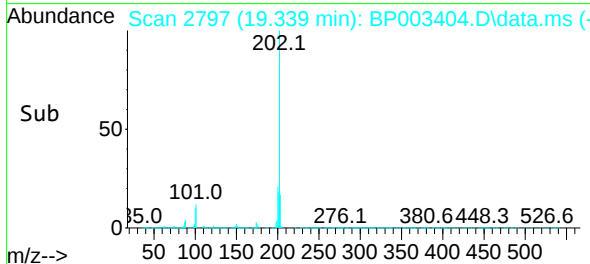
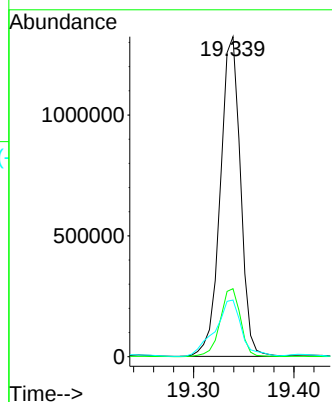
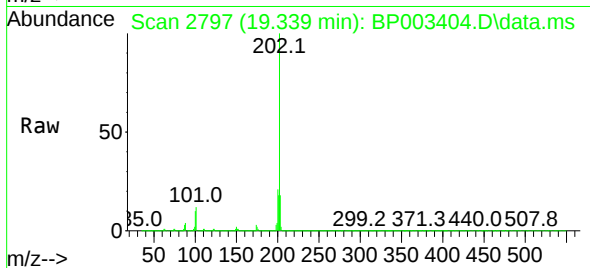




#78
Pyrene
Concen: 43.24 ng
RT: 19.339 min Scan# 2797
Delta R.T. -0.006 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

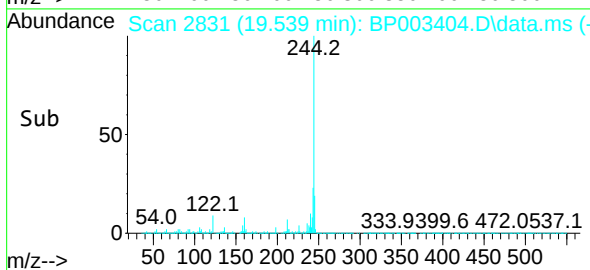
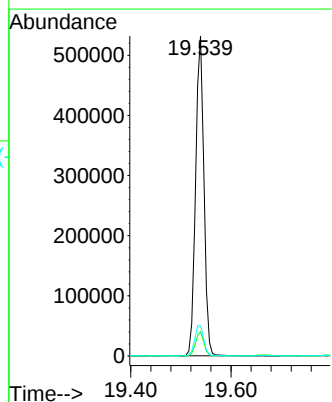
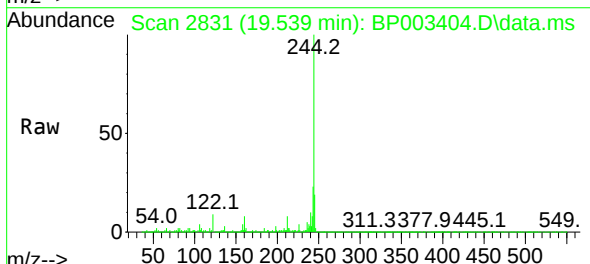
Instrument :
BNA_P
ClientSampleId :
B-4(12-14)DL

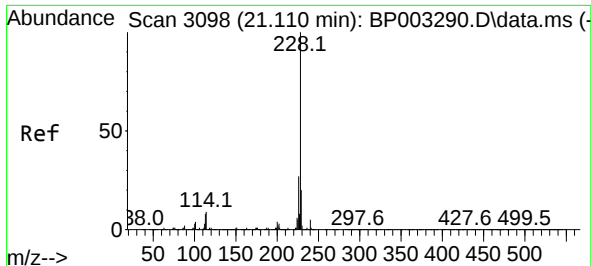
Tgt Ion:202 Resp: 1843445
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 17.7 14.2 21.2



#79
Terphenyl-d14
Concen: 18.60 ng
RT: 19.539 min Scan# 2831
Delta R.T. -0.012 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

Tgt Ion:244 Resp: 610119
Ion Ratio Lower Upper
244 100
212 7.5 5.8 8.6
122 9.4 7.8 11.8

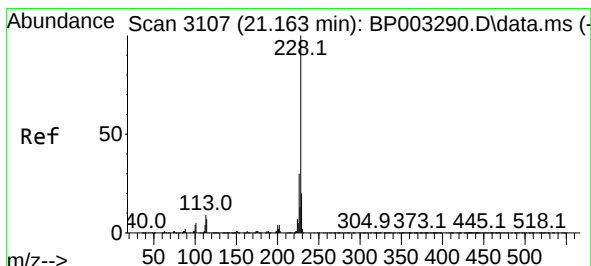
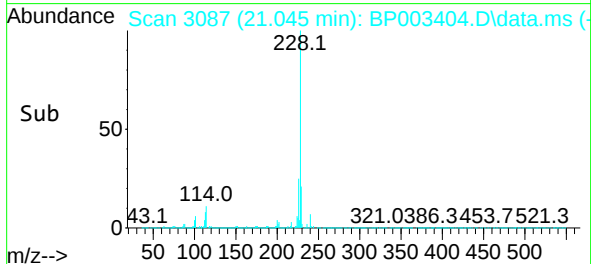
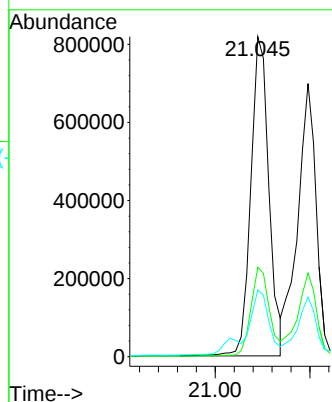
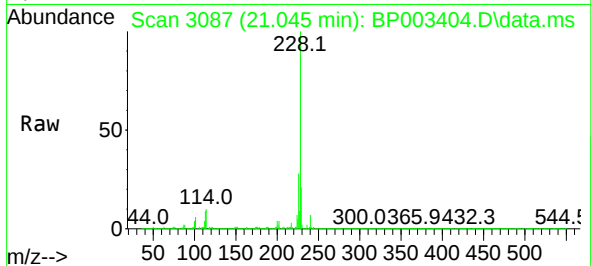




#81
Benzo(a)anthracene
Concen: 24.61 ng
RT: 21.045 min Scan# 3087
Delta R.T. -0.012 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

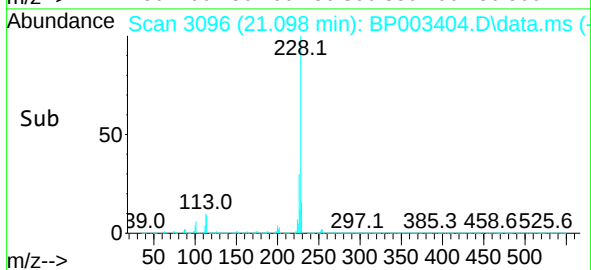
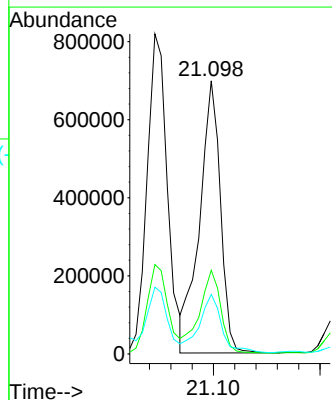
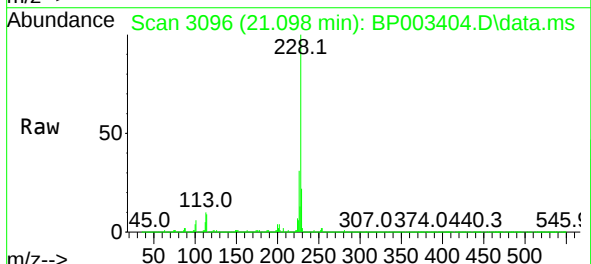
Instrument :
BNA_P
ClientSampleId :
B-4(12-14)DL

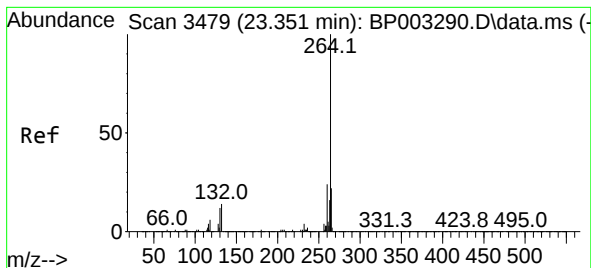
Tgt Ion:228 Resp: 1087423
Ion Ratio Lower Upper
228 100
226 28.0 22.1 33.1
229 20.8 15.9 23.9



#83
Chrysene
Concen: 22.46 ng
RT: 21.098 min Scan# 3096
Delta R.T. -0.012 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

Tgt Ion:228 Resp: 953291
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 21.8 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: BP003404.D

Acq: 29 Sep 2020 17:55

Instrument :

BNA_P

ClientSampleId :

B-4(12-14)DL

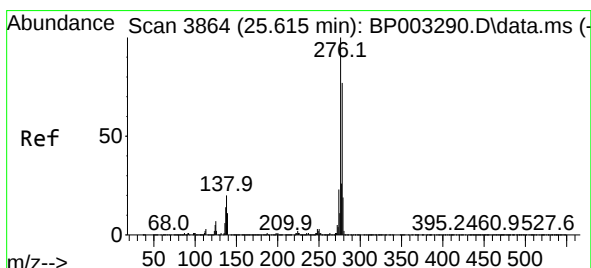
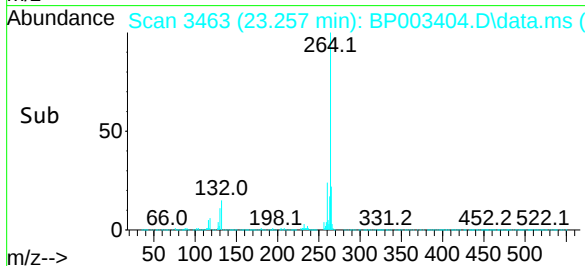
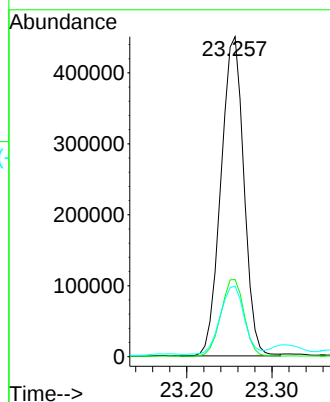
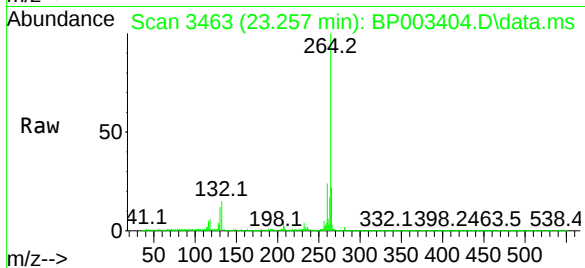
Tgt Ion:264 Resp: 840090

Ion Ratio Lower Upper

264 100

260 24.1 18.8 28.2

265 22.1 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.63 ng

RT: 25.474 min Scan# 3840

Delta R.T. -0.029 min

Lab File: BP003404.D

Acq: 29 Sep 2020 17:55

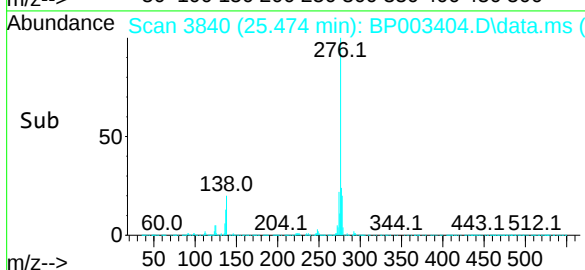
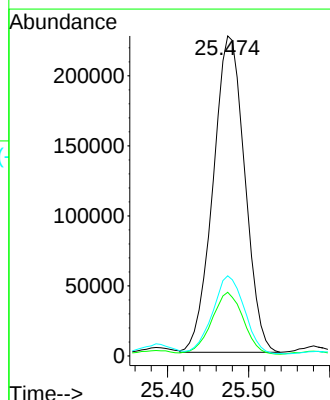
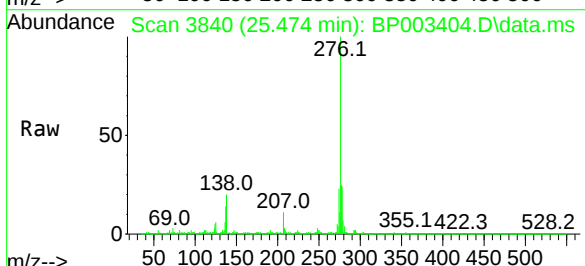
Tgt Ion:276 Resp: 613234

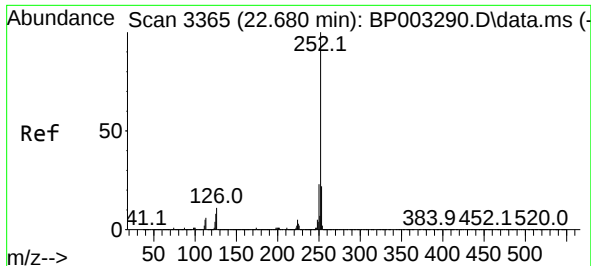
Ion Ratio Lower Upper

276 100

138 19.6 18.7 28.1

277 24.8 20.4 30.6

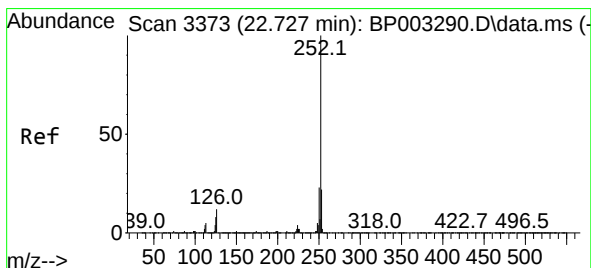
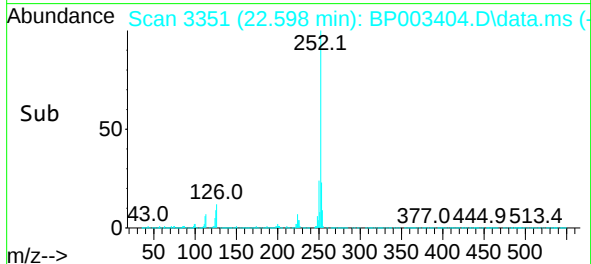
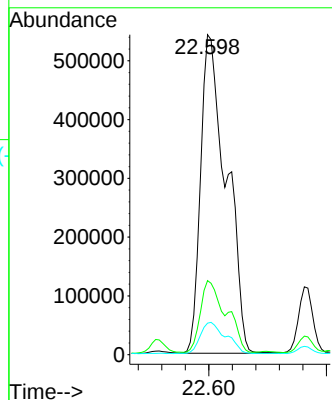
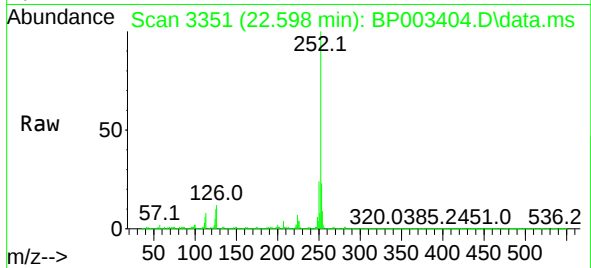




#88
Benzo(b)fluoranthene
Concen: 30.98 ng
RT: 22.598 min Scan# 3351
Delta R.T. -0.012 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

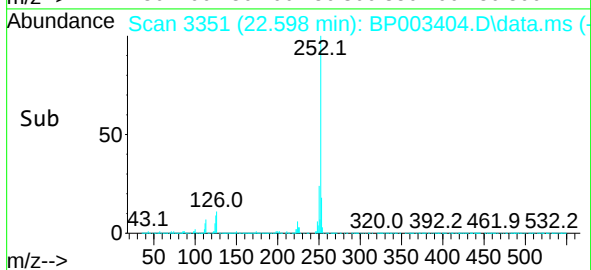
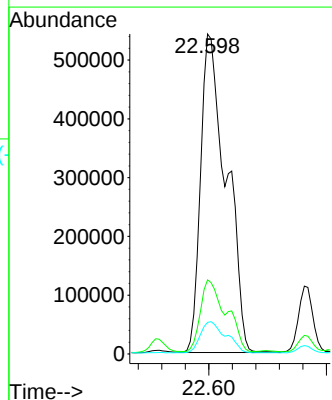
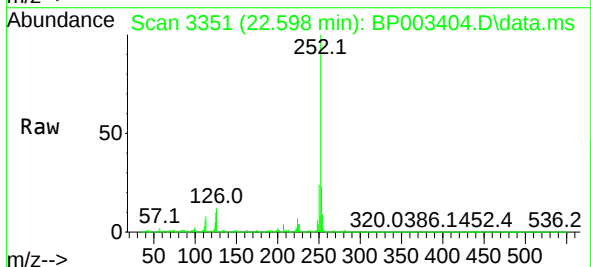
Instrument :
BNA_P
ClientSampleId :
B-4(12-14)DL

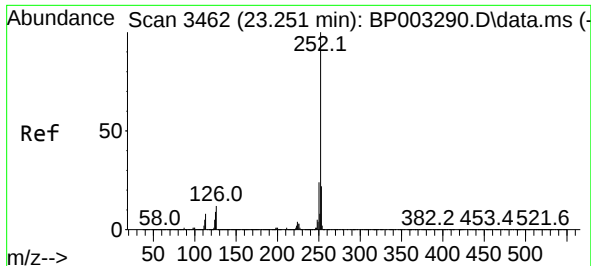
Tgt Ion:252 Resp: 1643352
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 9.8 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 32.32 ng
RT: 22.598 min Scan# 3351
Delta R.T. -0.053 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

Tgt Ion:252 Resp: 1643352
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 9.8 7.4 11.2

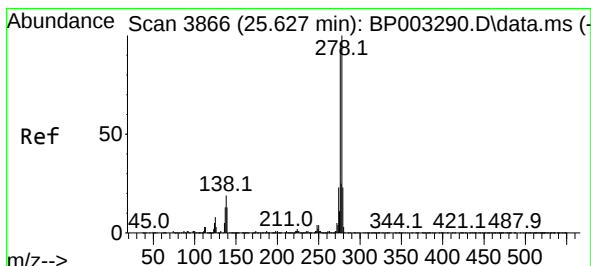
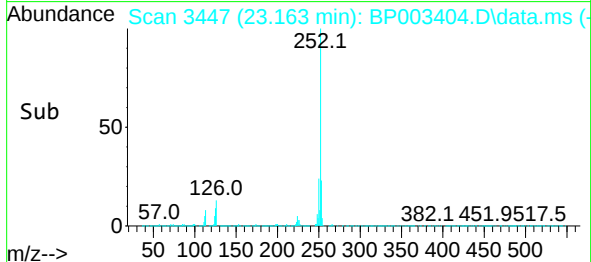
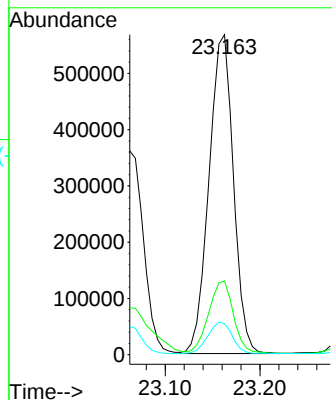
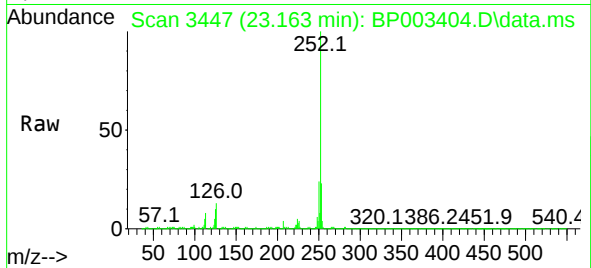




#90
Benzo(a)pyrene
Concen: 20.31 ng
RT: 23.163 min Scan# 3447
Delta R.T. -0.012 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

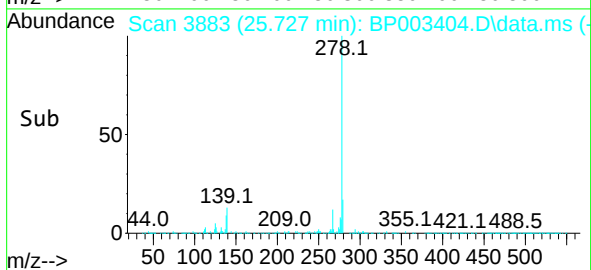
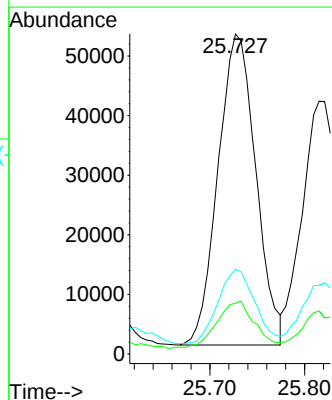
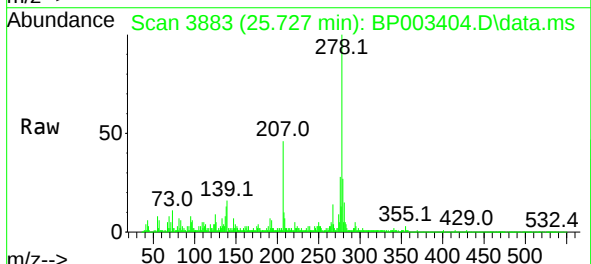
Instrument :
BNA_P
ClientSampleId :
B-4(12-14)DL

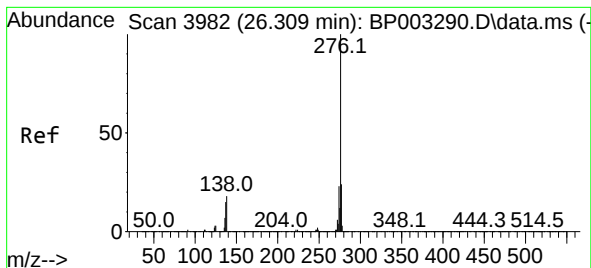
Tgt Ion:252 Resp: 1016007
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 9.7 8.2 12.4



#91
Dibenzo(a,h)anthracene
Concen: 2.76 ng
RT: 25.727 min Scan# 3883
Delta R.T. 0.218 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

Tgt Ion:278 Resp: 144773
Ion Ratio Lower Upper
278 100
139 15.9 12.4 18.6
279 26.5 19.0 28.6





#92

Benzo(g,h,i)perylene

Concen: 11.39 ng

RT: 26.156 min Scan# 3956

Delta R.T. -0.029 min

Lab File: BP003404.D

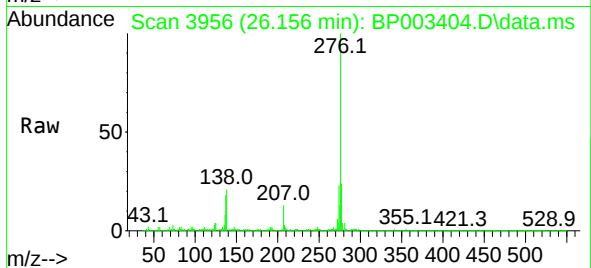
Acq: 29 Sep 2020 17:55

Instrument :

BNA_P

ClientSampleId :

B-4(12-14)DL



Tgt Ion:276 Resp: 597341

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.6

138 20.7 16.6 24.8

