

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
 Data File : BP003403.D
 Acq On : 29 Sep 2020 17:21
 Operator : CG/JU
 Sample : L4160-02DL 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 11976DL

Quant Time: Sep 29 18:02:49 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)

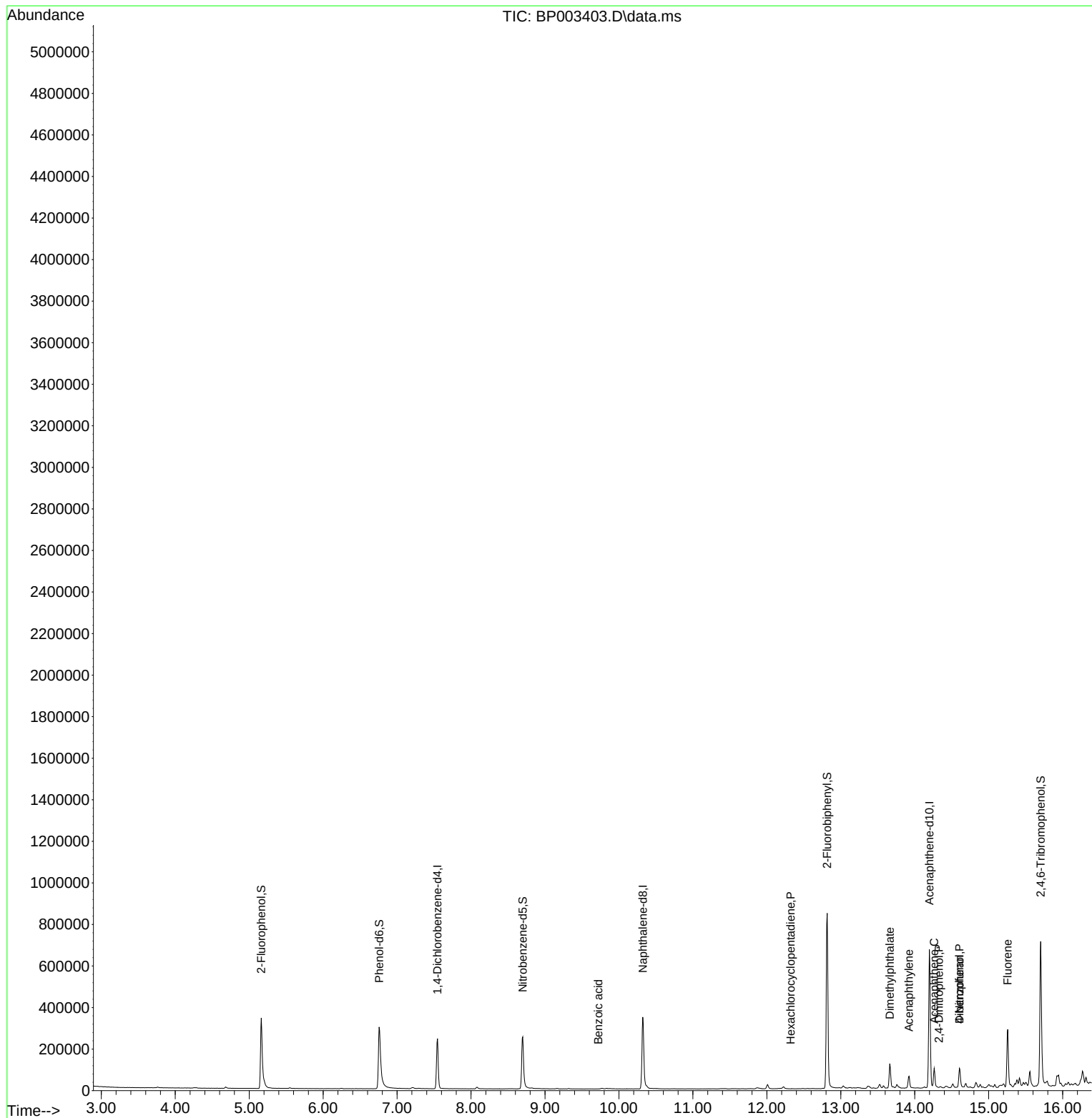
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.546	152	68891	20.00	ng	0.00
21) Naphthalene-d8	10.322	136	314913	20.00	ng	# 0.00
39) Acenaphthene-d10	14.198	164	226855	20.00	ng	-0.01
64) Phenanthrene-d10	16.957	188	520284	20.00	ng	# 0.00
76) Chrysene-d12	21.063	240	632106	20.00	ng	-0.01
86) Perylene-d12	23.251	264	796725	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.163	112	202150	51.24	ng	0.00
7) Phenol-d6	6.757	99	283026	53.82	ng	0.00
23) Nitrobenzene-d5	8.699	82	182957	34.13	ng	0.00
42) 2,4,6-Tribromophenol	15.704	330	132538	38.31	ng	0.00
45) 2-Fluorobiphenyl	12.816	172	471690	30.41	ng	0.00
79) Terphenyl-d14	19.539	244	837796	27.62	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	9.722	122	20	9.16	ng	# 1
41) Hexachlorocyclopentadiene	12.322	237	22	6.85	ng	78
49) Acenaphthylene	13.922	152	43281	2.02	ng	99
50) Dimethylphthalate	13.663	163	80077	4.42	ng	100
52) Acenaphthene	14.263	154	30746	2.36	ng	99
54) 2,4-Dinitrophenol	14.328	184	30	7.27	ng	# 1
55) Dibenzofuran	14.604	168	61583	2.96	ng	99
56) 4-Nitrophenol	14.604	139	23012	8.95	ng	# 21
58) Fluorene	15.257	166	123742	7.53	ng	100
70) Pentachlorophenol	16.510	266	23	6.78	ng	86
71) Phenanthrene	16.998	178	1029276	36.36	ng	99
72) Anthracene	17.092	178	744809	26.70	ng	99
73) Carbazole	17.369	167	171322	6.47	ng	99
75) Fluoranthene	18.986	202	2395721	67.31	ng	99
78) Pyrene	19.339	202	1839293	46.66	ng	100
81) Benzo(a)anthracene	21.045	228	670364	16.41	ng	99
83) Chrysene	21.098	228	604951	15.41	ng	97
87) Indeno(1,2,3-cd)pyrene	25.474	276	197449	3.27	ng	97
88) Benzo(b)fluoranthene	22.598	252	776227	15.43	ng	98
89) Benzo(k)fluoranthene	22.598	252	776227	16.10	ng	98
90) Benzo(a)pyrene	23.157	252	343508	7.24	ng	99
92) Benzo(g,h,i)perylene	26.156	276	178207	3.58	ng	98

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

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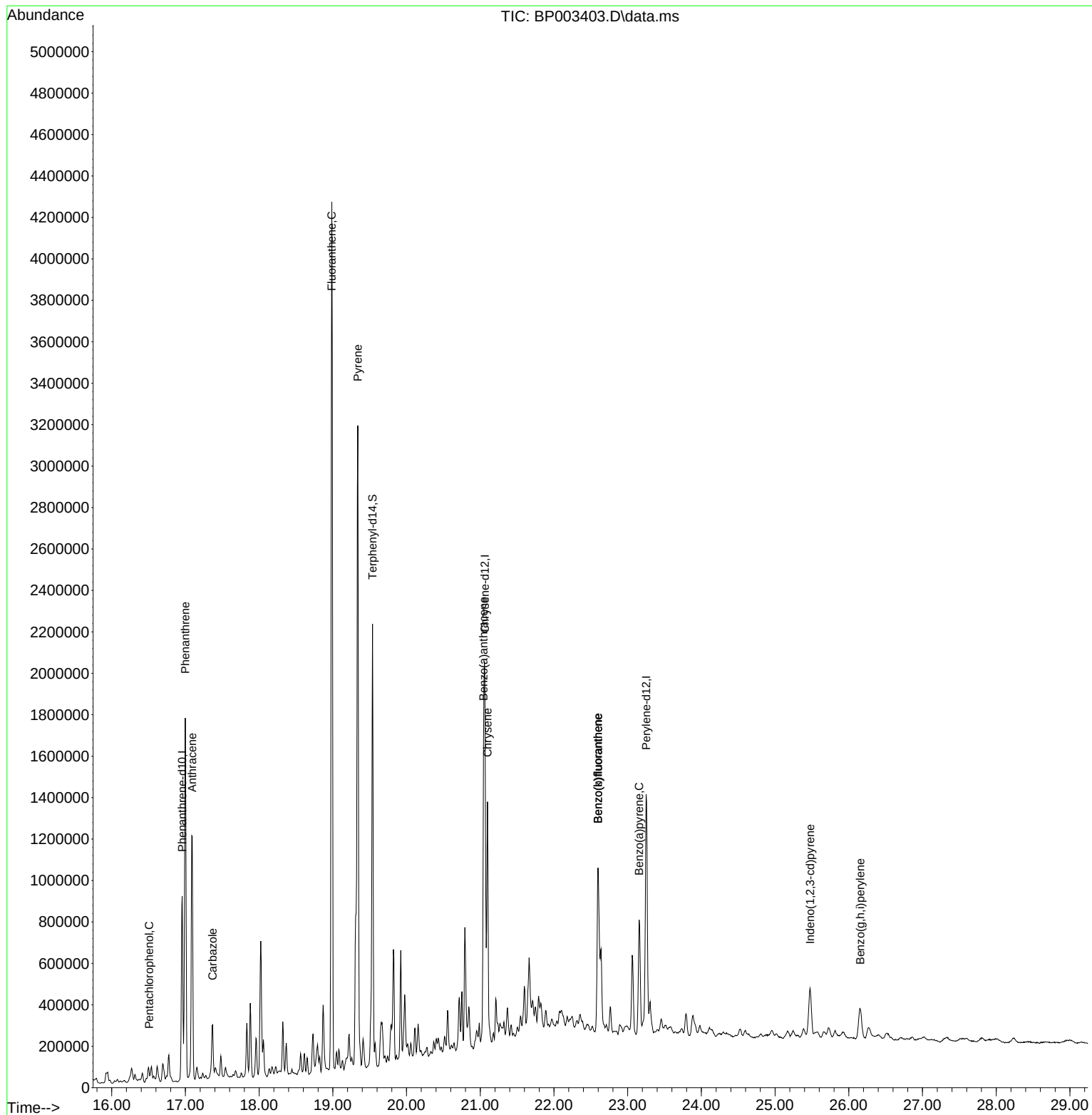
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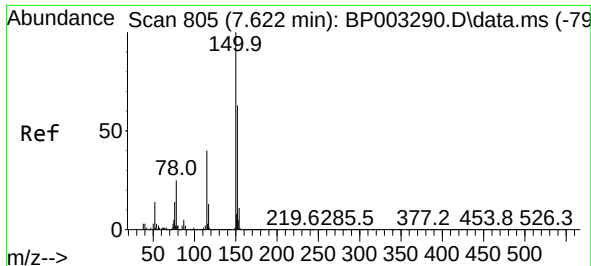


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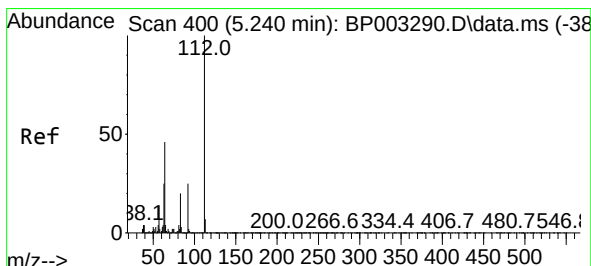
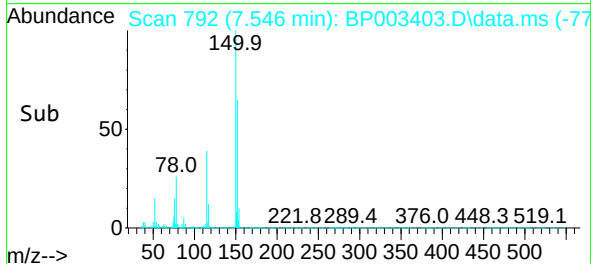
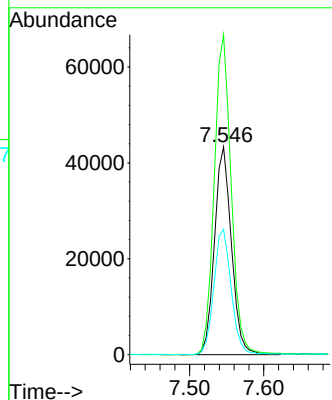
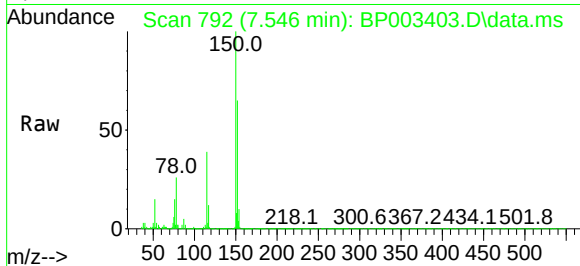




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.546 min Scan# 792
Delta R.T. -0.000 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

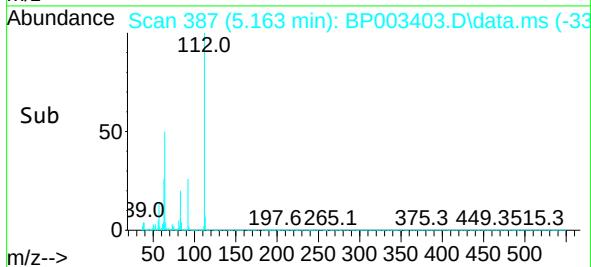
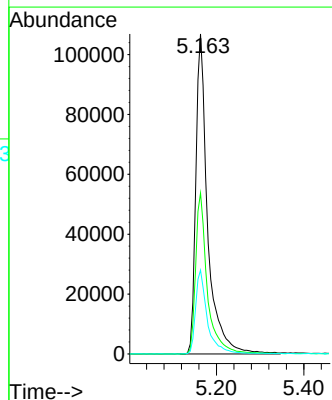
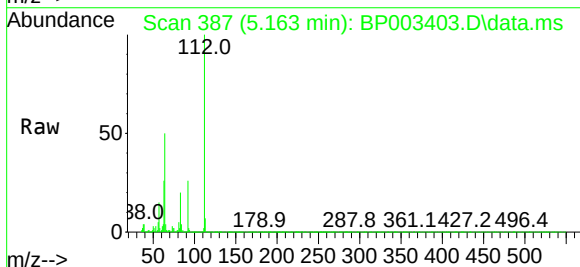
Instrument :
BNA_P
ClientSampleId :
11976DL

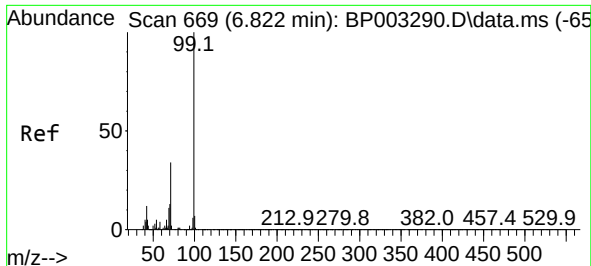
Tgt Ion:152 Resp: 68891
Ion Ratio Lower Upper
152 100
150 153.9 123.8 185.6
115 60.2 43.8 65.6



#5
2-Fluorophenol
Concen: 51.24 ng
RT: 5.163 min Scan# 387
Delta R.T. 0.000 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

Tgt Ion:112 Resp: 202150
Ion Ratio Lower Upper
112 100
64 50.3 32.8 49.2#
63 26.2 17.0 25.4#

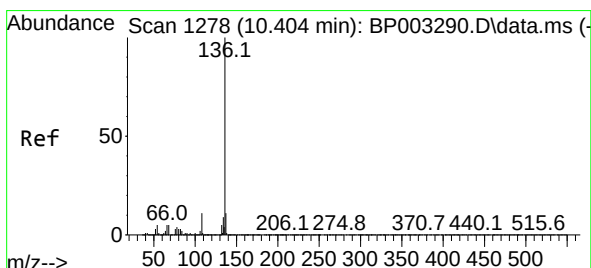
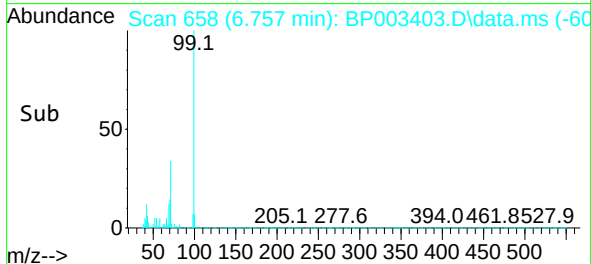
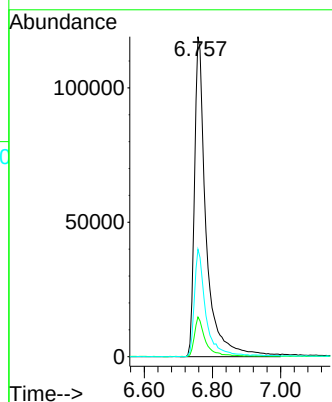
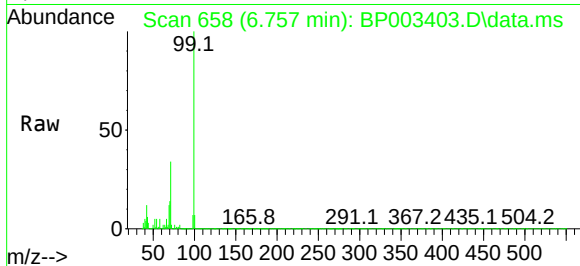




#7
Phenol-d6
Concen: 53.82 ng
RT: 6.757 min Scan# 658
Delta R.T. 0.006 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

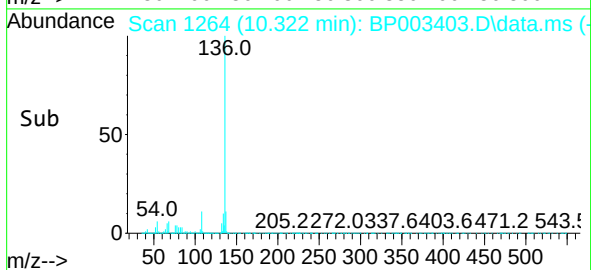
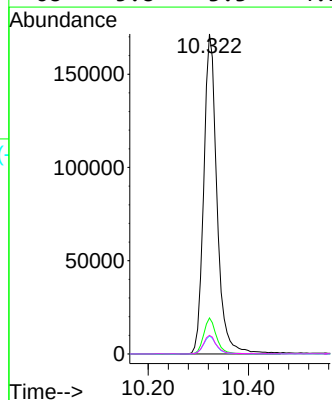
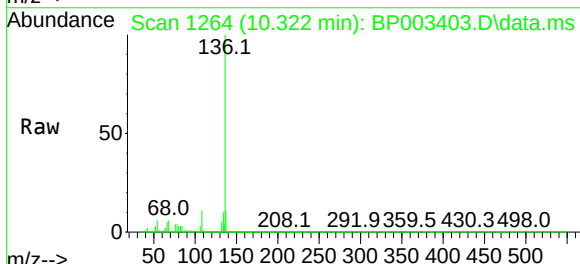
Instrument :
BNA_P
ClientSampleId :
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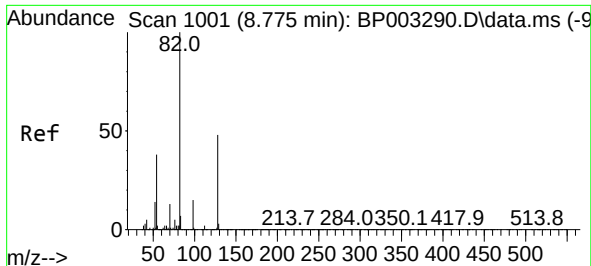
Tgt Ion: 99 Resp: 283026
Ion Ratio Lower Upper
99 100
42 12.4 8.6 13.0
71 33.6 23.4 35.2



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.322 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

Tgt Ion: 136 Resp: 314913
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 5.7 3.6 5.4#
68 5.8 3.3 4.9#

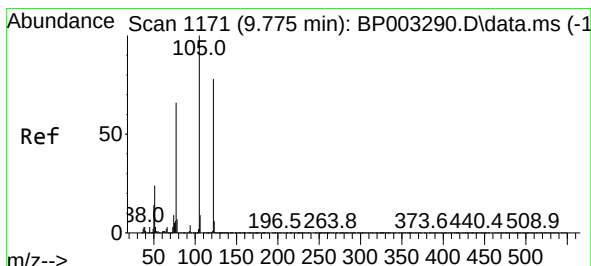
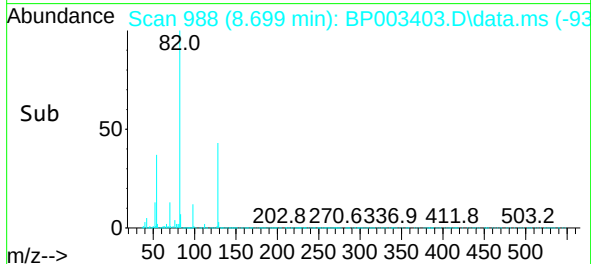
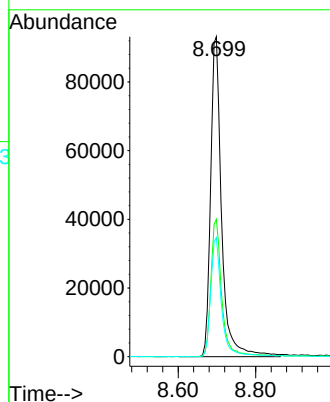
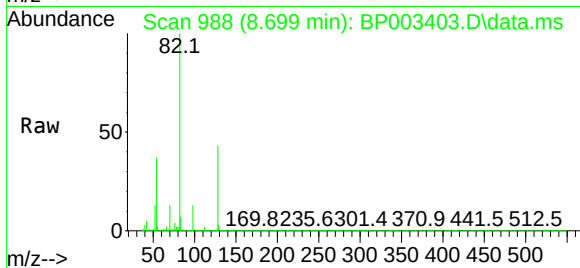




#23
Nitrobenzene-d5
Concen: 34.13 ng
RT: 8.699 min Scan# 988
Delta R.T. -0.006 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

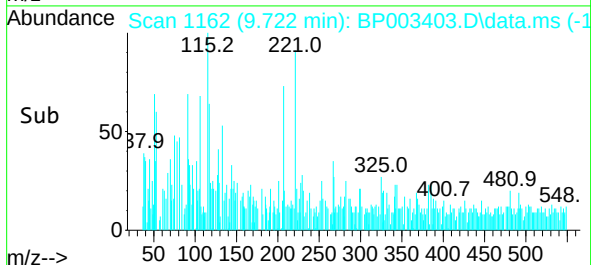
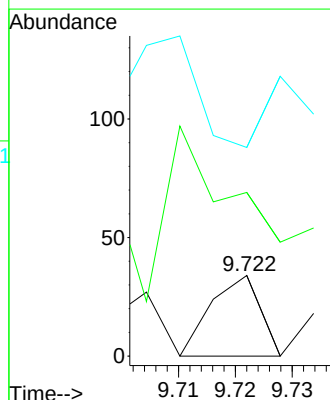
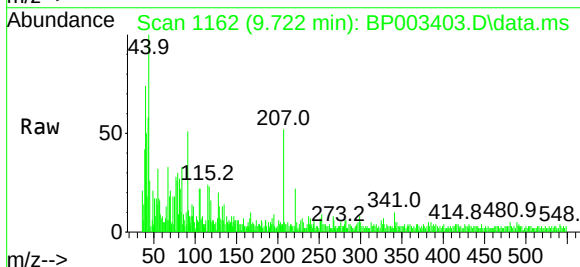
Instrument :
BNA_P
ClientSampleId :
11976DL

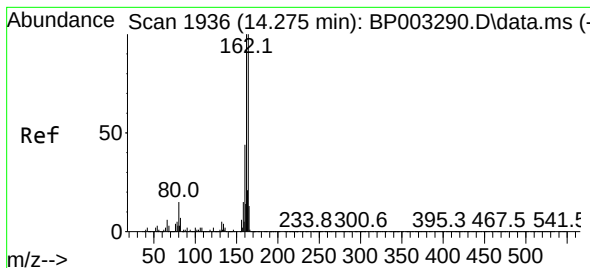
Tgt Ion: 82 Resp: 182957
Ion Ratio Lower Upper
82 100
128 42.9 45.6 68.4#
54 37.3 30.1 45.1



#32
Benzoic acid
Concen: 9.16 ng
RT: 9.722 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

Tgt Ion: 122 Resp: 20
Ion Ratio Lower Upper
122 100
105 202.9 94.1 134.1#
77 258.8 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: BP003403.D

Acq: 29 Sep 2020 17:21

Instrument :

BNA_P

ClientSampleId :

11976DL

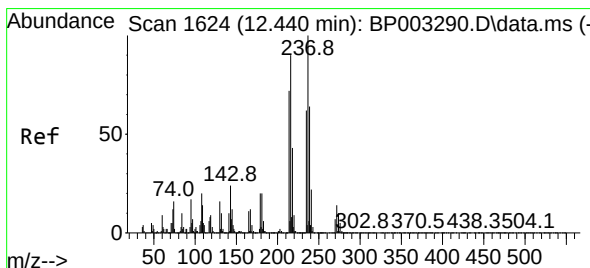
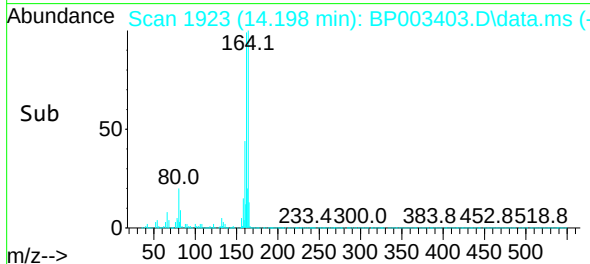
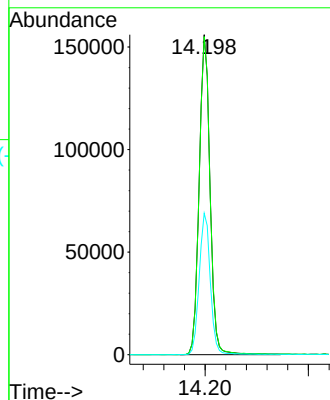
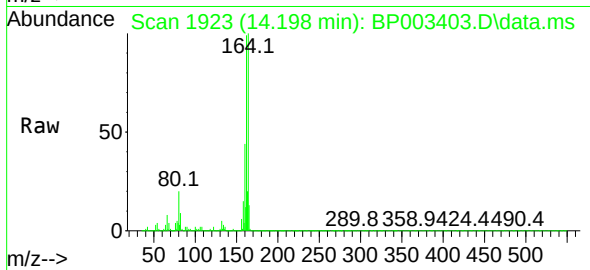
Tgt Ion:164 Resp: 226855

Ion Ratio Lower Upper

164 100

162 99.4 79.4 119.2

160 44.2 36.1 54.1



#41

Hexachlorocyclopentadiene

Concen: 6.85 ng

RT: 12.322 min Scan# 1604

Delta R.T. -0.047 min

Lab File: BP003403.D

Acq: 29 Sep 2020 17:21

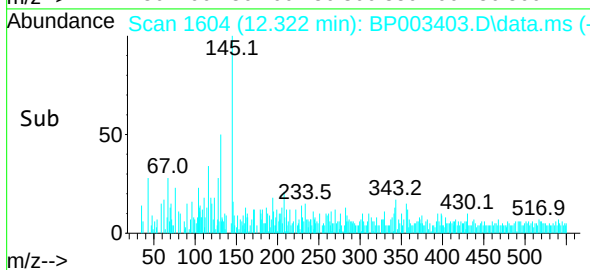
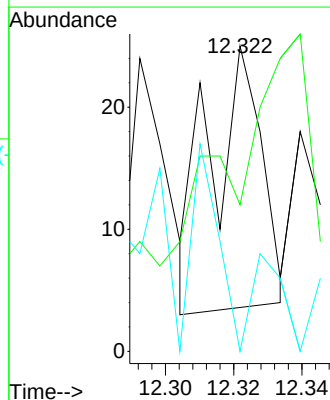
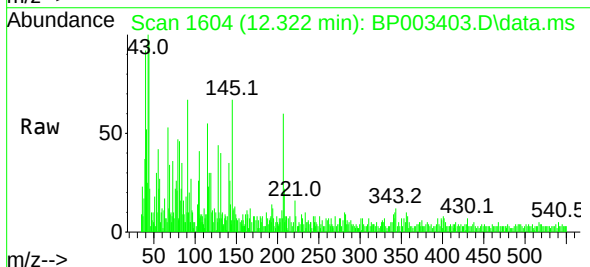
Tgt Ion:237 Resp: 22

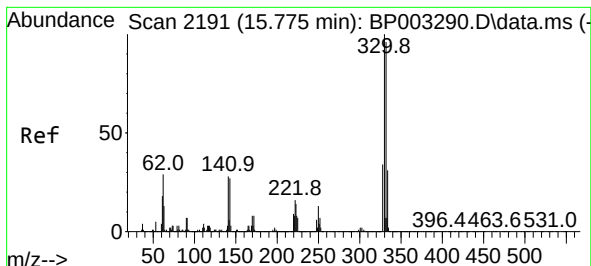
Ion Ratio Lower Upper

237 100

235 48.0 43.2 83.2

272 0.0 0.0 33.3

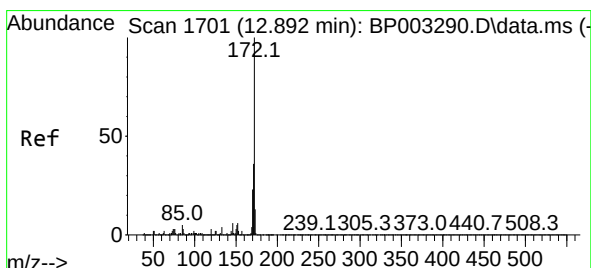
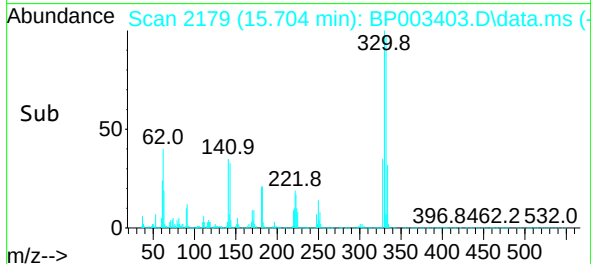
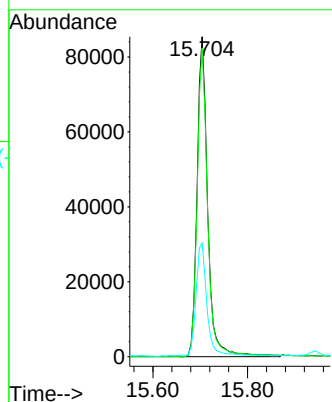
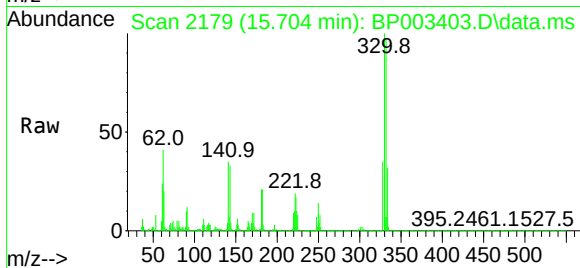




#42
2,4,6-Tribromophenol
Concen: 38.31 ng
RT: 15.704 min Scan# 2179
Delta R.T. -0.006 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

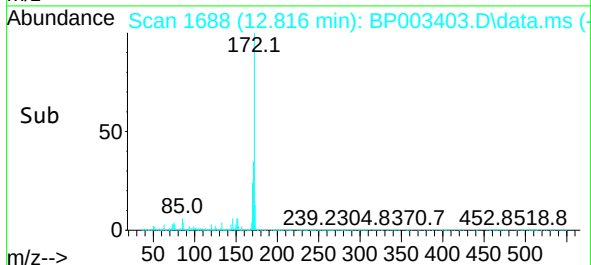
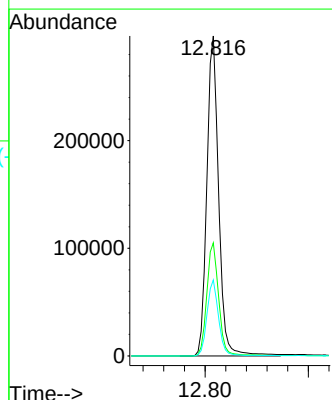
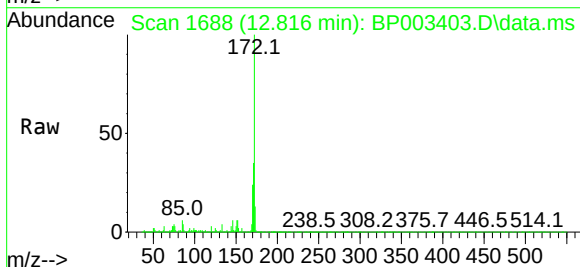
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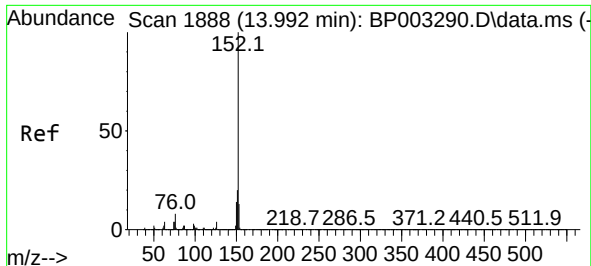
Tgt Ion:330 Resp: 132538
Ion Ratio Lower Upper
330 100
332 95.6 77.1 115.7
141 35.6 23.4 35.2#



#45
2-Fluorobiphenyl
Concen: 30.41 ng
RT: 12.816 min Scan# 1688
Delta R.T. -0.006 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

Tgt Ion:172 Resp: 471690
Ion Ratio Lower Upper
172 100
171 35.3 28.5 42.7
170 23.8 19.2 28.8

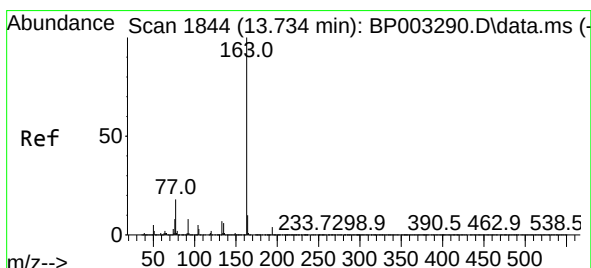
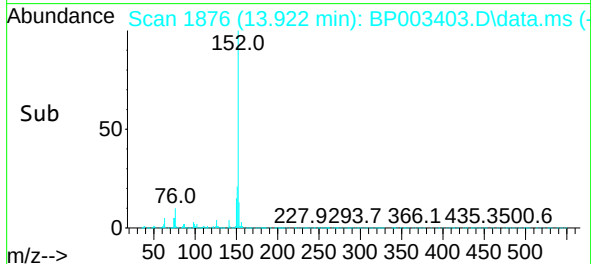
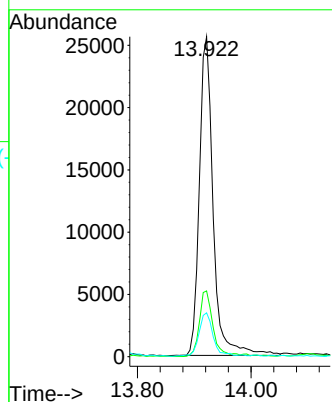
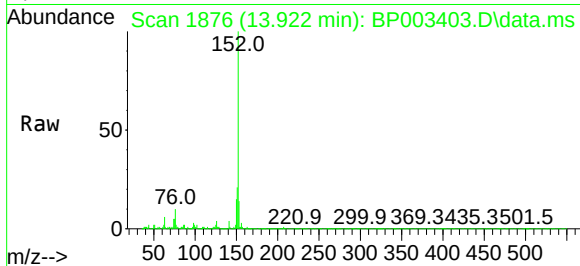




#49
Acenaphthylene
Concen: 2.02 ng
RT: 13.922 min Scan# 1876
Delta R.T. -0.006 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

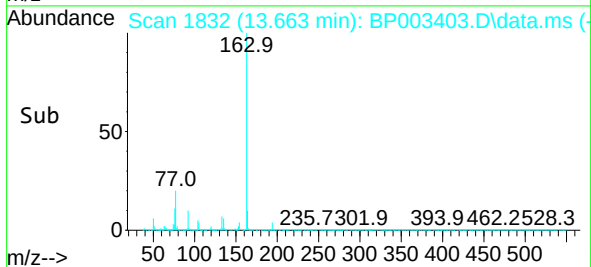
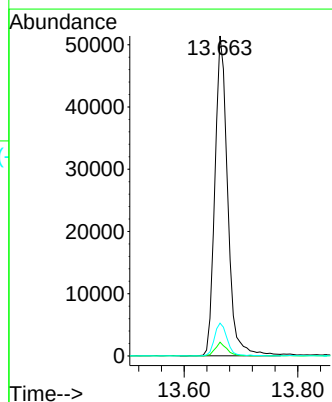
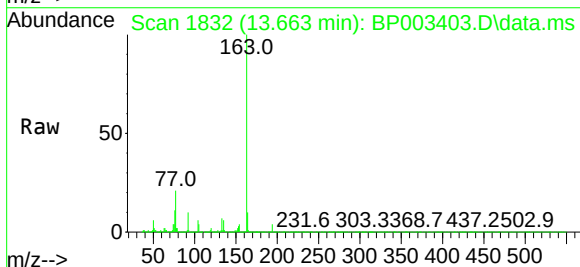
Instrument :
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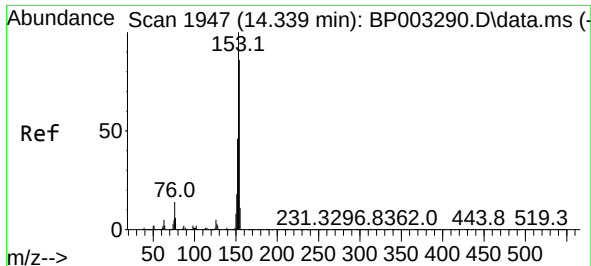
Tgt Ion:152	Resp:	43281
Ion Ratio	Lower	Upper
152	100	
151	20.6	15.9 23.9
153	13.7	10.5 15.7



#50
Dimethylphthalate
Concen: 4.42 ng
RT: 13.663 min Scan# 1832
Delta R.T. -0.012 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

Tgt Ion:163	Resp:	80077
Ion Ratio	Lower	Upper
163	100	
194	4.3	3.3 4.9
164	10.2	8.2 12.2

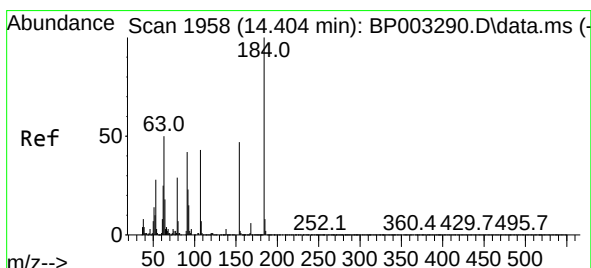
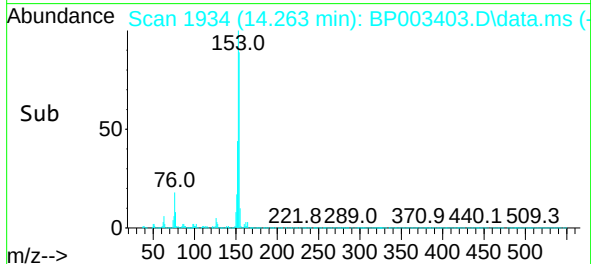
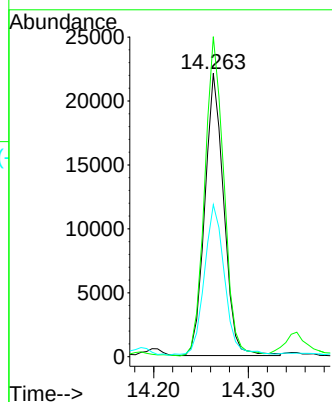
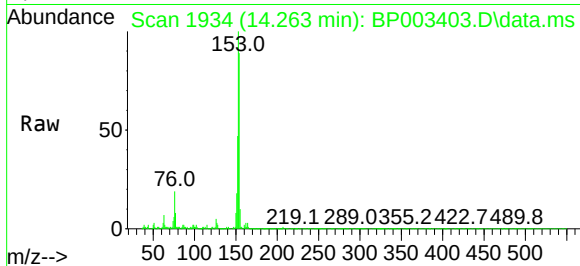




#52
Acenaphthene
Concen: 2.36 ng
RT: 14.263 min Scan# 1934
Delta R.T. -0.012 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

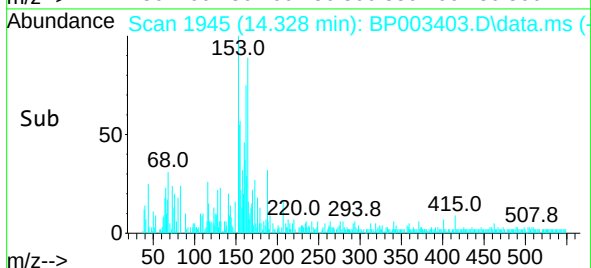
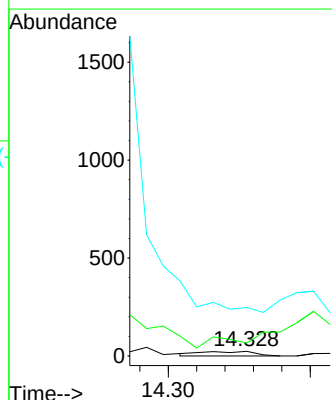
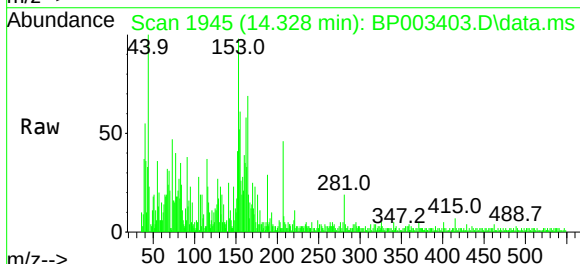
Instrument :
BNA_P
ClientSampled :
11976DL

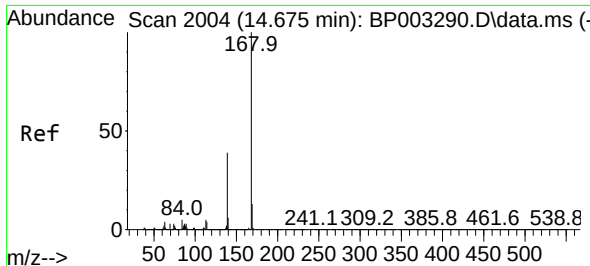
Tgt Ion:154 Resp: 30746
Ion Ratio Lower Upper
154 100
153 113.0 91.0 136.6
152 53.6 43.0 64.6



#54
2,4-Dinitrophenol
Concen: 7.27 ng
RT: 14.328 min Scan# 1945
Delta R.T. -0.029 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

Tgt Ion:184 Resp: 30
Ion Ratio Lower Upper
184 100
63 275.0 32.3 48.5#
154 1033.3 49.1 73.7#

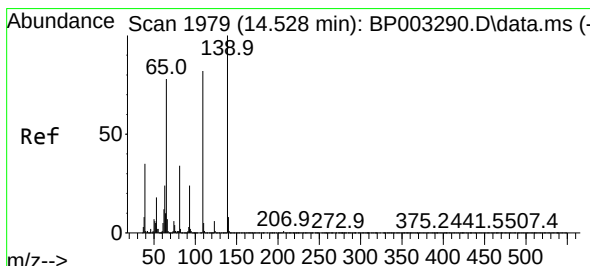
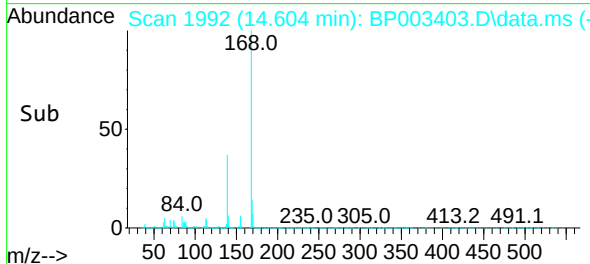
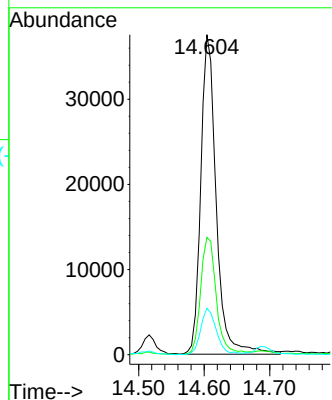
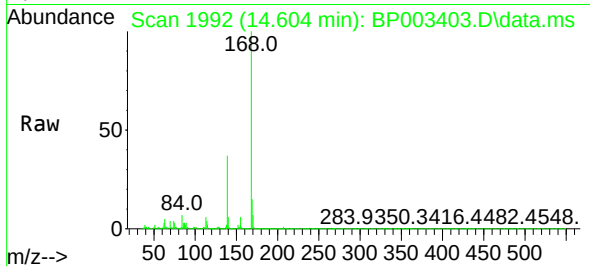




#55
Dibenzofuran
Concen: 2.96 ng
RT: 14.604 min Scan# 1992
Delta R.T. -0.006 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

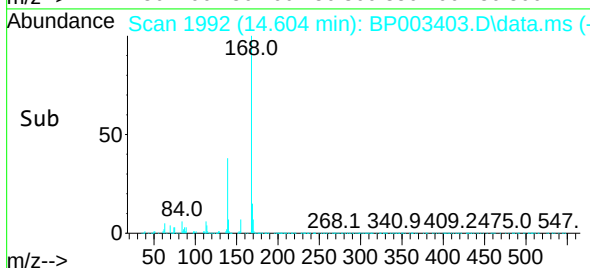
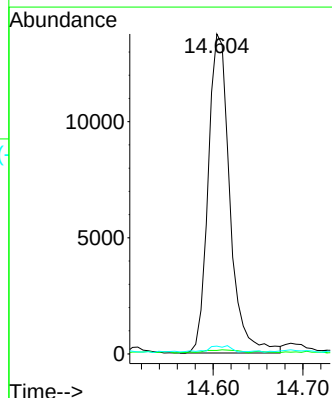
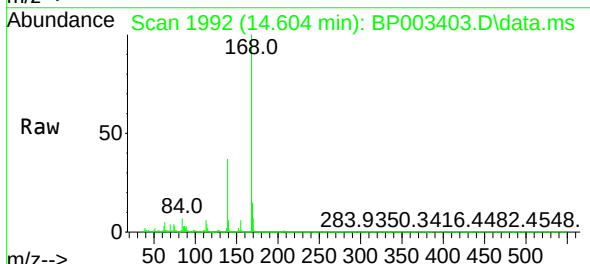
Instrument :
BNA_P
ClientSampleId :
11976DL

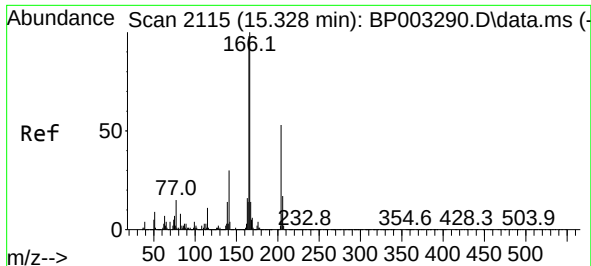
Tgt Ion:168 Resp: 61583
Ion Ratio Lower Upper
168 100
139 36.7 29.1 43.7
169 14.5 10.4 15.6



#56
4-Nitrophenol
Concen: 8.95 ng
RT: 14.604 min Scan# 1992
Delta R.T. 0.124 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

Tgt Ion:139 Resp: 23012
Ion Ratio Lower Upper
139 100
109 1.1 44.6 84.6#
65 2.5 41.6 81.6#

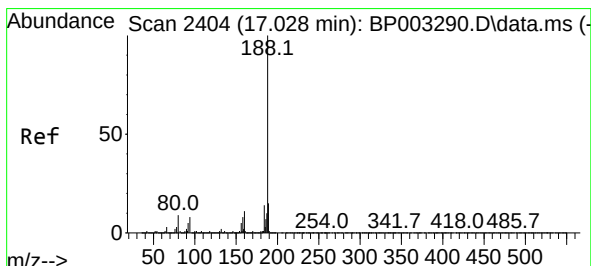
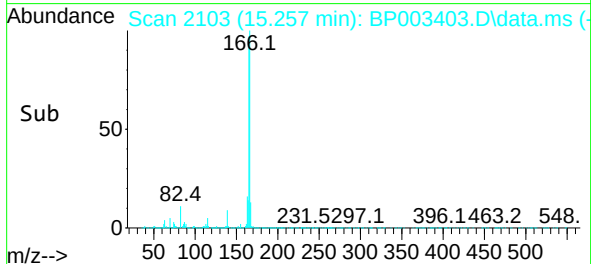
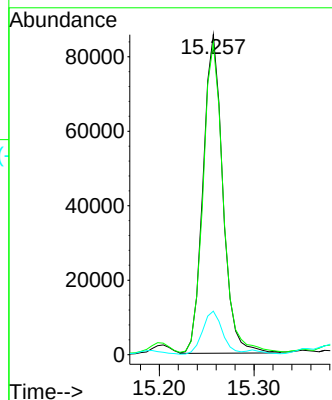
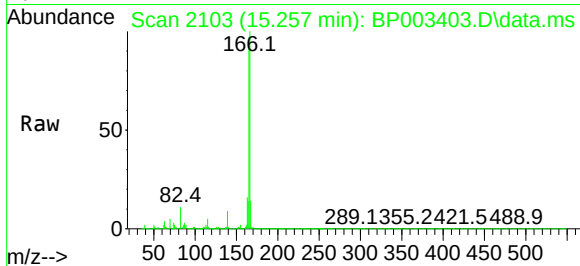




#58
Fluorene
Concen: 7.53 ng
RT: 15.257 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

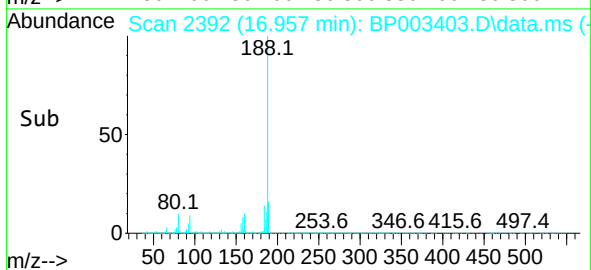
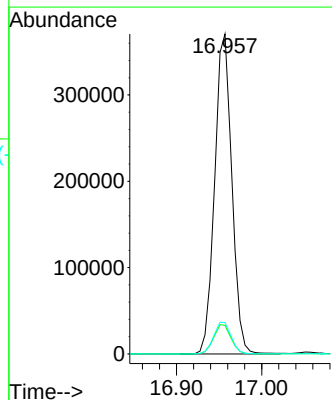
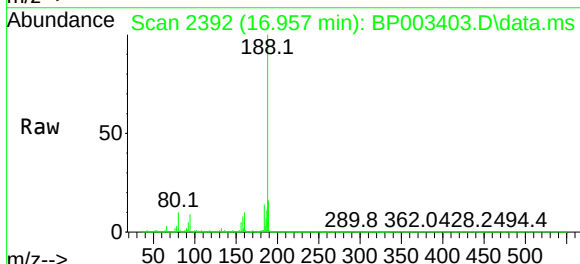
Instrument :
BNA_P
ClientSampleId :
11976DL

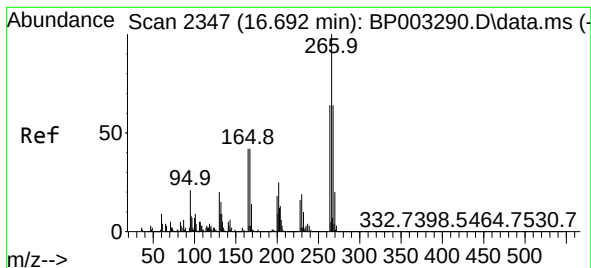
Tgt Ion:166 Resp: 123742
Ion Ratio Lower Upper
166 100
165 97.3 77.8 116.8
167 13.6 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.957 min Scan# 2392
Delta R.T. -0.006 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

Tgt Ion:188 Resp: 520284
Ion Ratio Lower Upper
188 100
94 8.9 6.2 9.2
80 9.8 6.2 9.2#

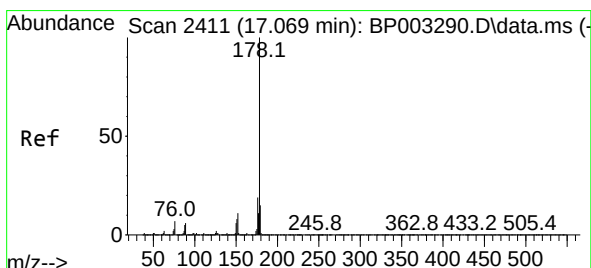
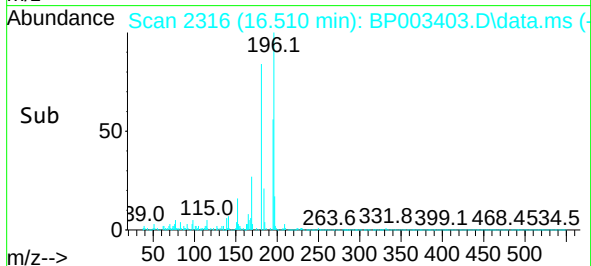
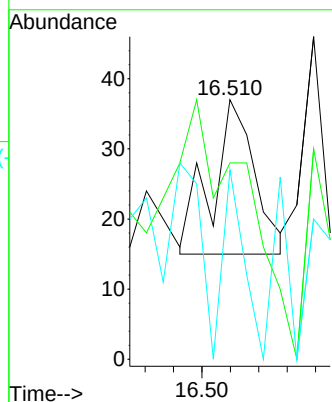
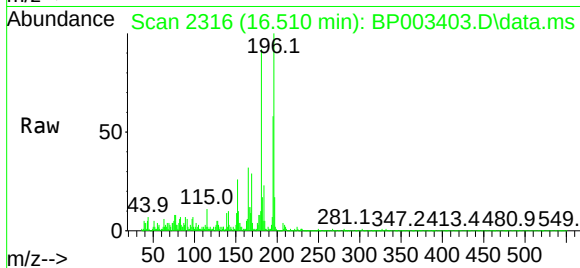




#70
Pentachlorophenol
Concen: 6.78 ng
RT: 16.510 min Scan# 2316
Delta R.T. -0.129 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

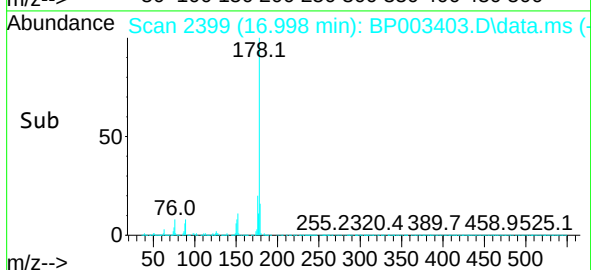
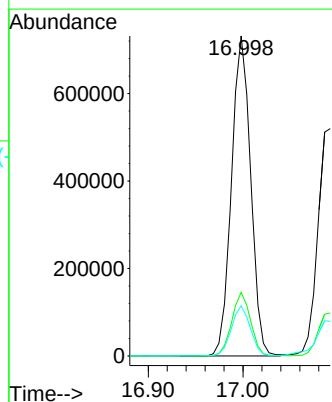
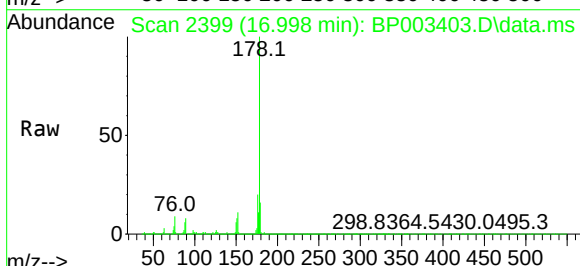
Instrument :
BNA_P
ClientSampleId :
11976DL

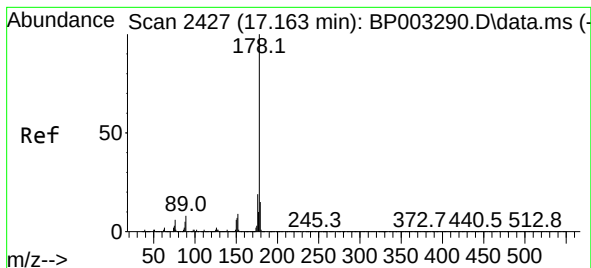
Tgt Ion:266 Resp: 23
Ion Ratio Lower Upper
266 100
268 75.7 51.1 76.7
264 73.0 50.6 76.0



#71
Phenanthrene
Concen: 36.36 ng
RT: 16.998 min Scan# 2399
Delta R.T. -0.012 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

Tgt Ion:178 Resp: 1029276
Ion Ratio Lower Upper
178 100
176 19.9 15.3 22.9
179 15.6 12.5 18.7





#72

Anthracene

Concen: 26.70 ng

RT: 17.092 min Scan# 2415

Delta R.T. -0.006 min

Lab File: BP003403.D

Acq: 29 Sep 2020 17:21

Instrument :

BNA_P

ClientSampleId :

11976DL

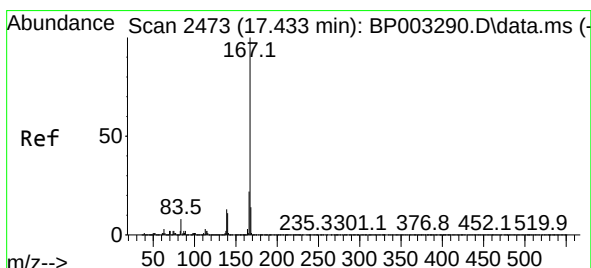
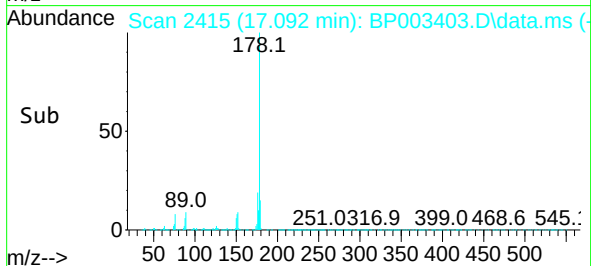
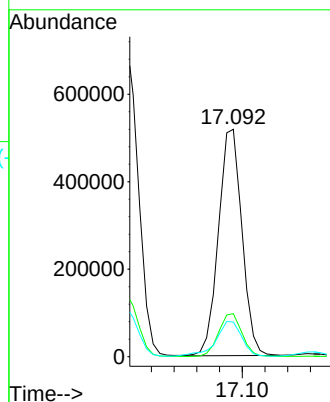
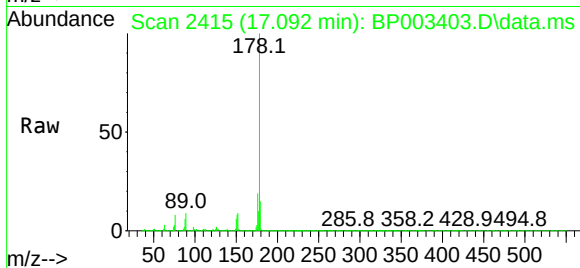
Tgt Ion:178 Resp: 744809

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

179 15.2 12.5 18.7



#73

Carbazole

Concen: 6.47 ng

RT: 17.369 min Scan# 2462

Delta R.T. -0.006 min

Lab File: BP003403.D

Acq: 29 Sep 2020 17:21

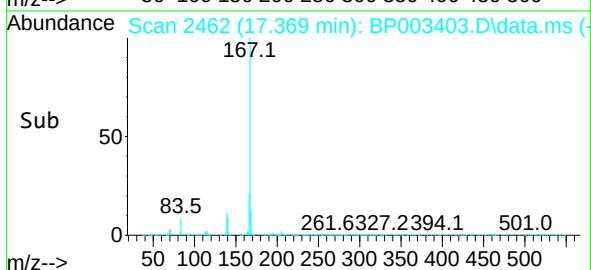
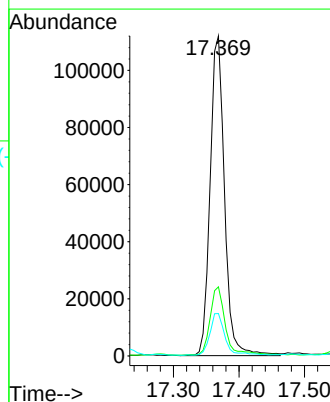
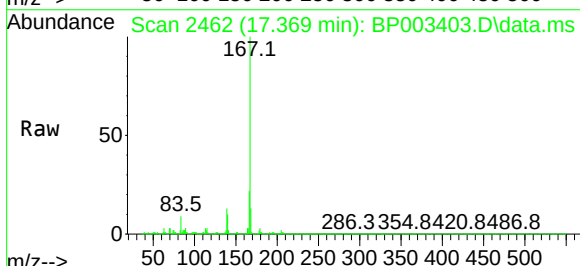
Tgt Ion:167 Resp: 171322

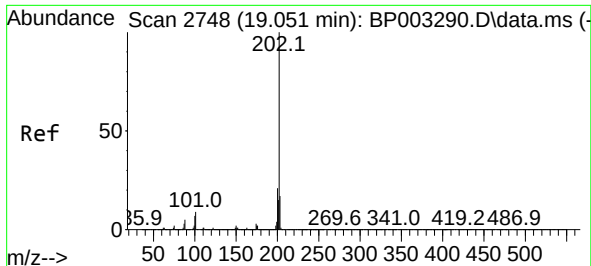
Ion Ratio Lower Upper

167 100

166 21.6 17.6 26.4

139 13.2 10.2 15.4



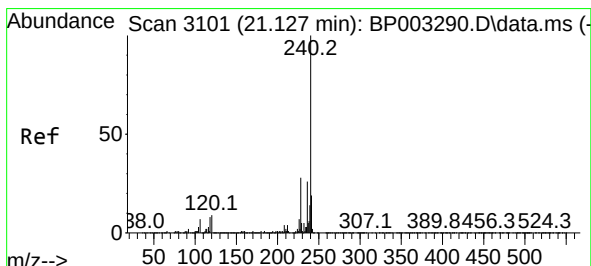
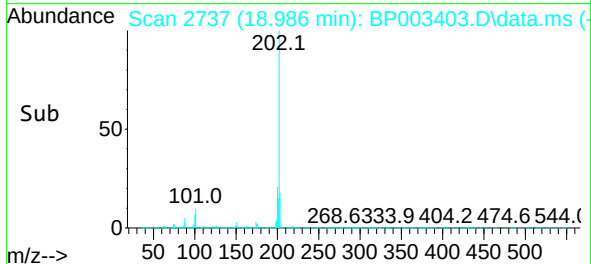
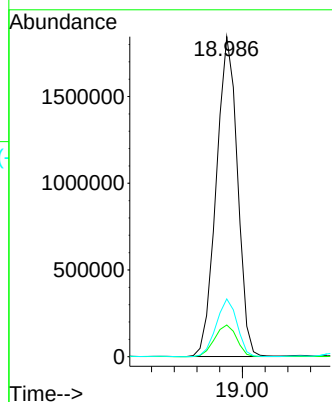
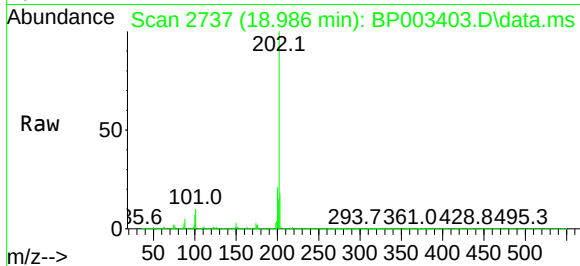


#75
Fluoranthene
Concen: 67.31 ng
RT: 18.986 min Scan# 2737
Delta R.T. -0.006 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

Instrument :
BNA_P
ClientSampleId :
11976DL

Tgt Ion:202 Resp: 2395721

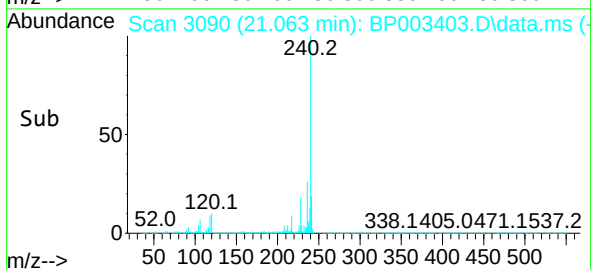
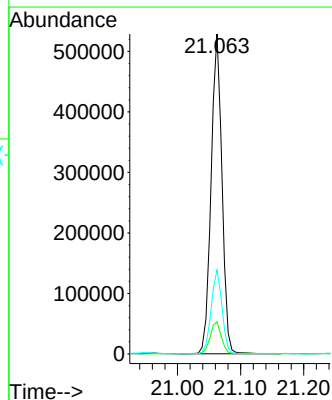
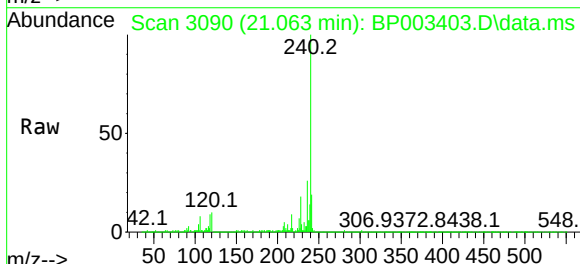
Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.4
203	18.0	0.0	37.8

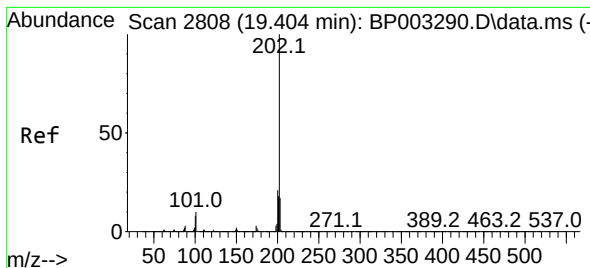


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.063 min Scan# 3090
Delta R.T. -0.012 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

Tgt Ion:240 Resp: 632106

Ion	Ratio	Lower	Upper
240	100		
120	10.0	7.8	11.6
236	26.2	20.8	31.2





#78

Pyrene

Concen: 46.66 ng

RT: 19.339 min Scan# 2797

Delta R.T. -0.006 min

Lab File: BP003403.D

Acq: 29 Sep 2020 17:21

Instrument :

BNA_P

ClientSampleId :

11976DL

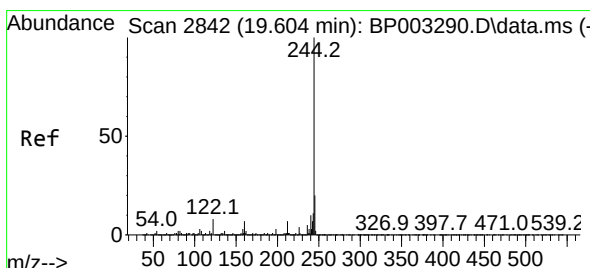
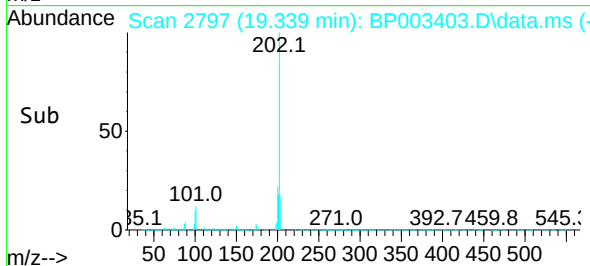
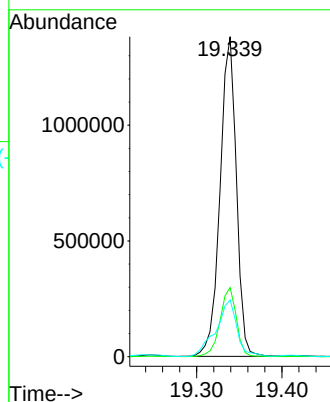
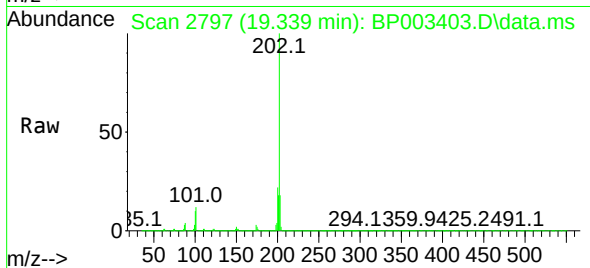
Tgt Ion:202 Resp: 1839293

Ion Ratio Lower Upper

202 100

200 21.6 17.1 25.7

203 17.7 14.2 21.2



#79

Terphenyl-d14

Concen: 27.62 ng

RT: 19.539 min Scan# 2831

Delta R.T. -0.012 min

Lab File: BP003403.D

Acq: 29 Sep 2020 17:21

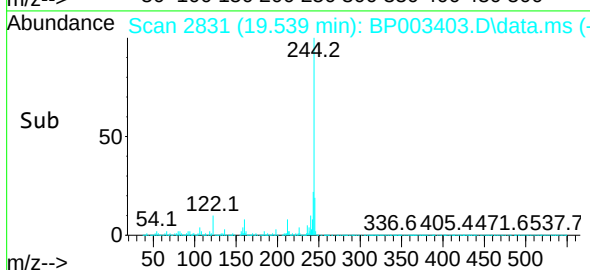
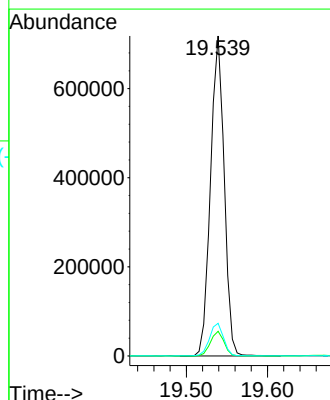
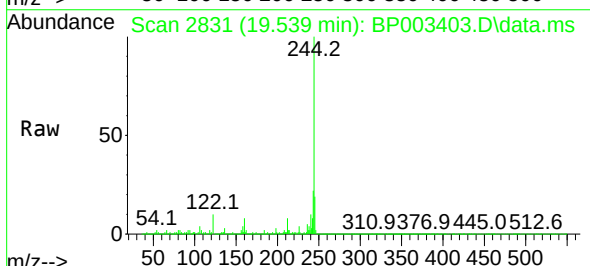
Tgt Ion:244 Resp: 837796

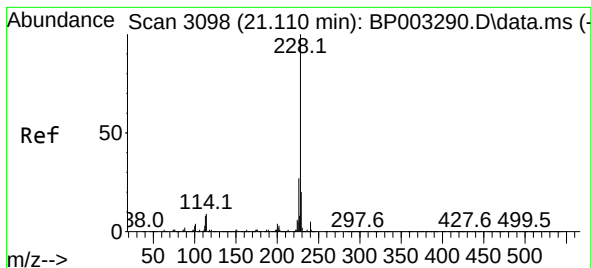
Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.6

122 10.2 7.8 11.8

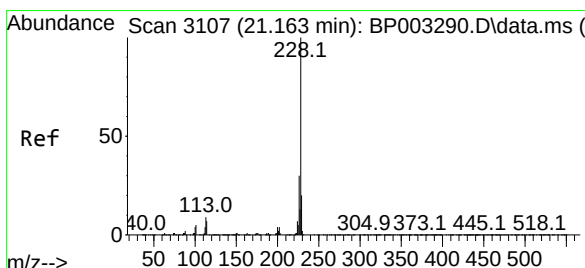
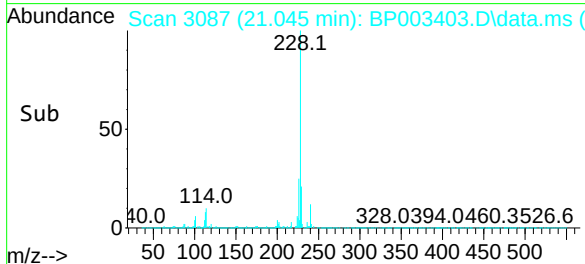
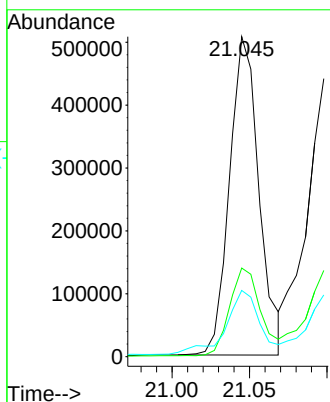
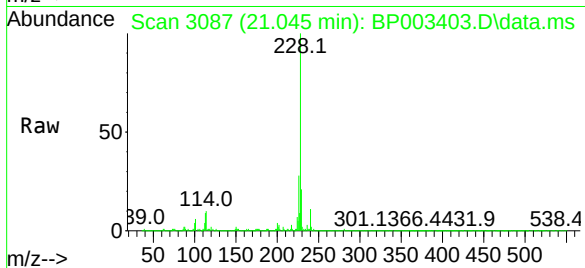




#81
Benzo(a)anthracene
Concen: 16.41 ng
RT: 21.045 min Scan# 3087
Delta R.T. -0.012 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

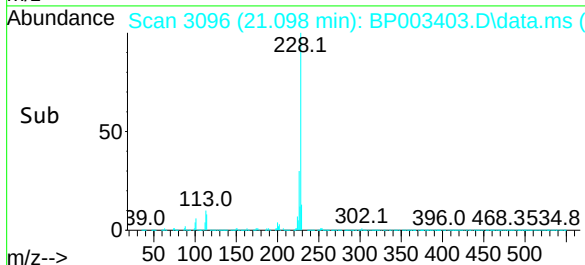
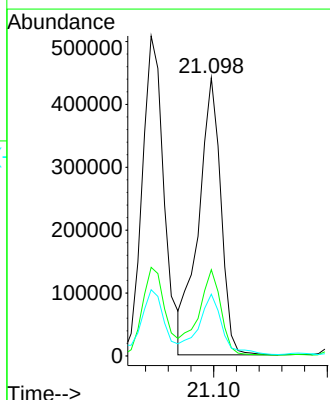
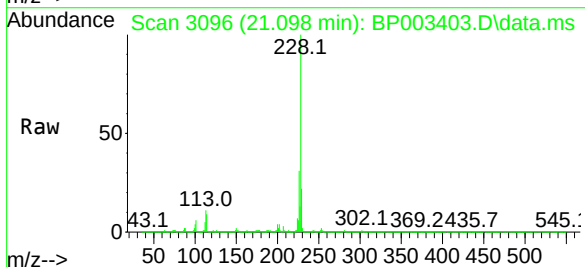
Instrument :
BNA_P
ClientSampled :
11976DL

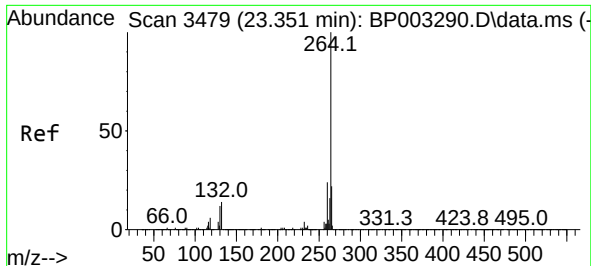
Tgt Ion:228 Resp: 670364
Ion Ratio Lower Upper
228 100
226 27.7 22.1 33.1
229 20.7 15.9 23.9



#83
Chrysene
Concen: 15.41 ng
RT: 21.098 min Scan# 3096
Delta R.T. -0.012 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

Tgt Ion:228 Resp: 604951
Ion Ratio Lower Upper
228 100
226 31.0 24.4 36.6
229 22.2 15.8 23.6

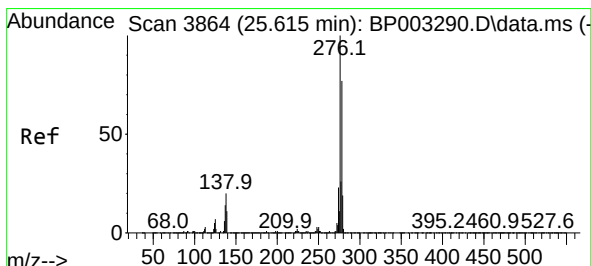
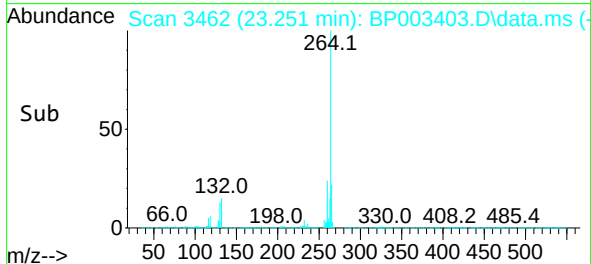
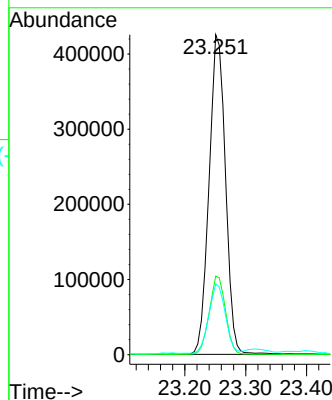
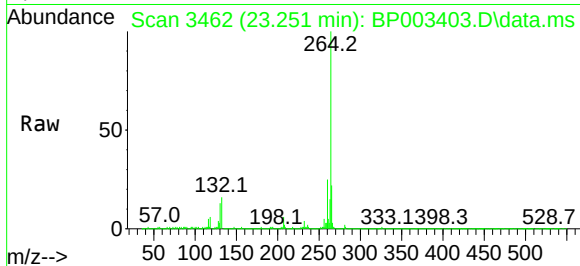




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.251 min Scan# 3462
Delta R.T. -0.012 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

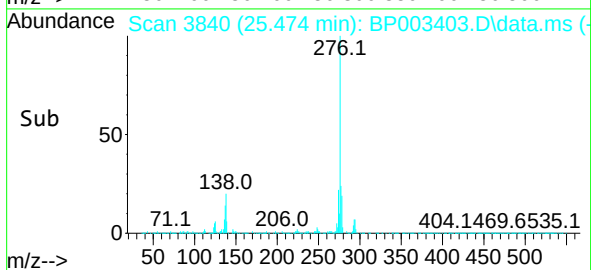
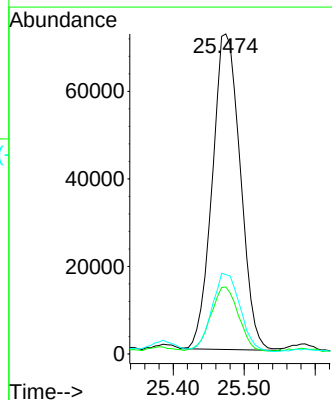
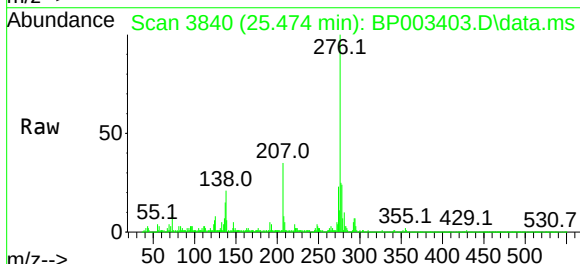
Instrument :
BNA_P
ClientSampled :
11976DL

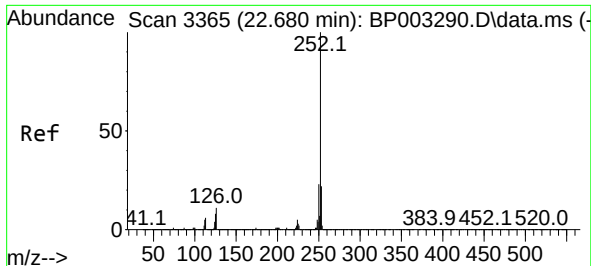
Tgt Ion:264 Resp: 796725
Ion Ratio Lower Upper
264 100
260 24.5 18.8 28.2
265 22.1 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.27 ng
RT: 25.474 min Scan# 3840
Delta R.T. -0.029 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

Tgt Ion:276 Resp: 197449
Ion Ratio Lower Upper
276 100
138 20.4 18.7 28.1
277 25.1 20.4 30.6

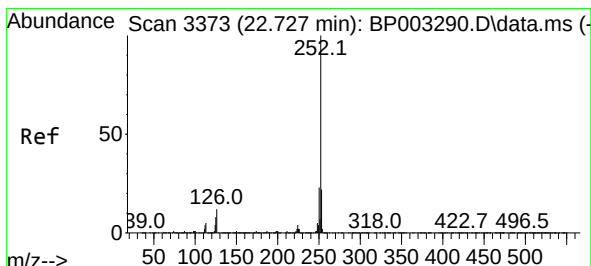
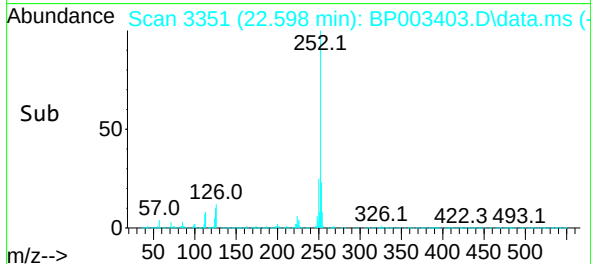
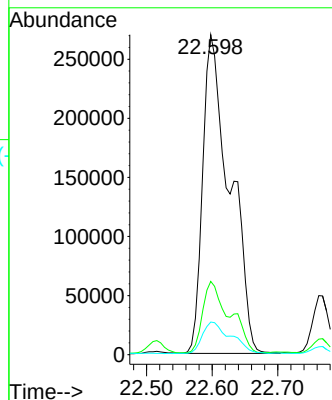
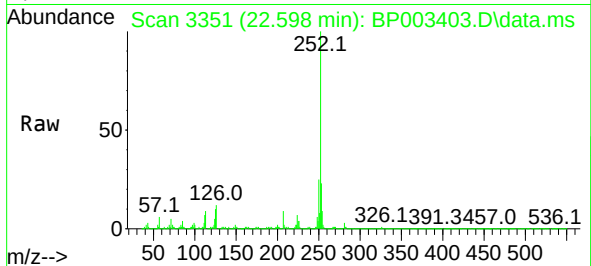




#88
Benzo(b)fluoranthene
Concen: 15.43 ng
RT: 22.598 min Scan# 3351
Delta R.T. -0.012 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

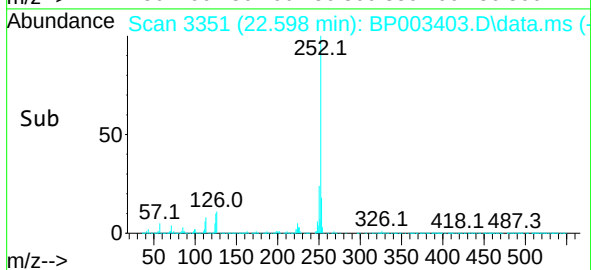
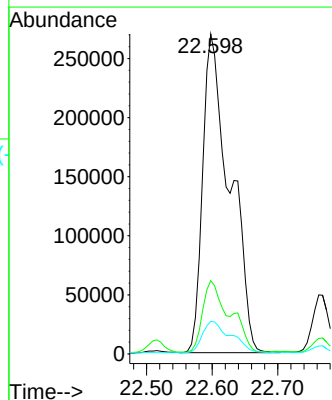
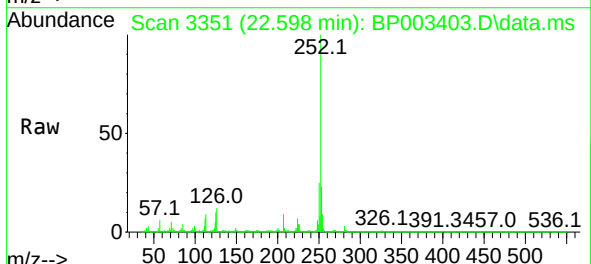
Instrument :
BNA_P
ClientSampleId :
11976DL

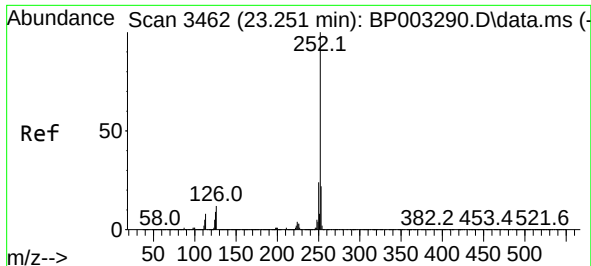
Tgt Ion:252 Resp: 776227
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 10.2 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 16.10 ng
RT: 22.598 min Scan# 3351
Delta R.T. -0.053 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

Tgt Ion:252 Resp: 776227
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 10.2 7.4 11.2

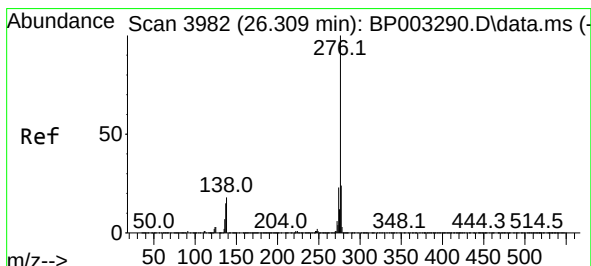
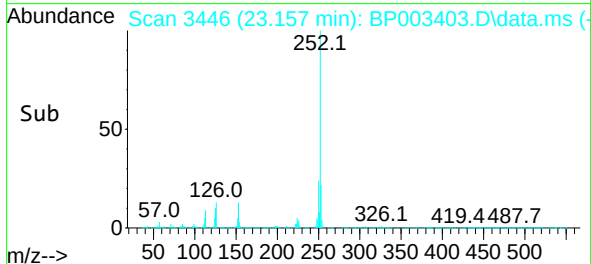
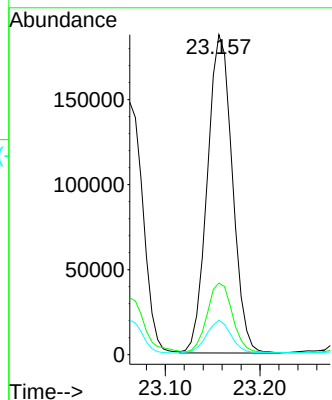
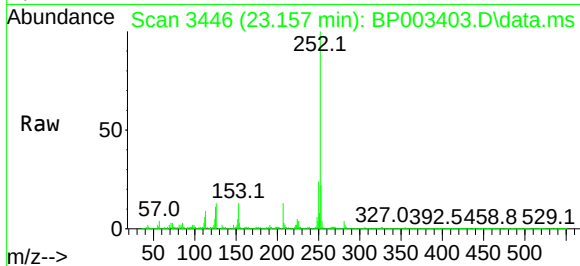




#90
Benzo(a)pyrene
Concen: 7.24 ng
RT: 23.157 min Scan# 3446
Delta R.T. -0.018 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

Instrument :
BNA_P
ClientSampled :
11976DL

Tgt Ion:252 Resp: 343508
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 10.7 8.2 12.4



#92
Benzo(g,h,i)perylene
Concen: 3.58 ng
RT: 26.156 min Scan# 3956
Delta R.T. -0.029 min
Lab File: BP003403.D
Acq: 29 Sep 2020 17:21

Tgt Ion:276 Resp: 178207
Ion Ratio Lower Upper
276 100
277 25.2 19.0 28.6
138 20.1 16.6 24.8

