

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100820\
 Data File : BP003578.D
 Acq On : 08 Oct 2020 18:57
 Operator : CG/JU
 Sample : L4298-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RBR-559

Quant Time: Oct 09 01:58:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 08 15:55:58 2020
 Response via : Initial Calibration

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

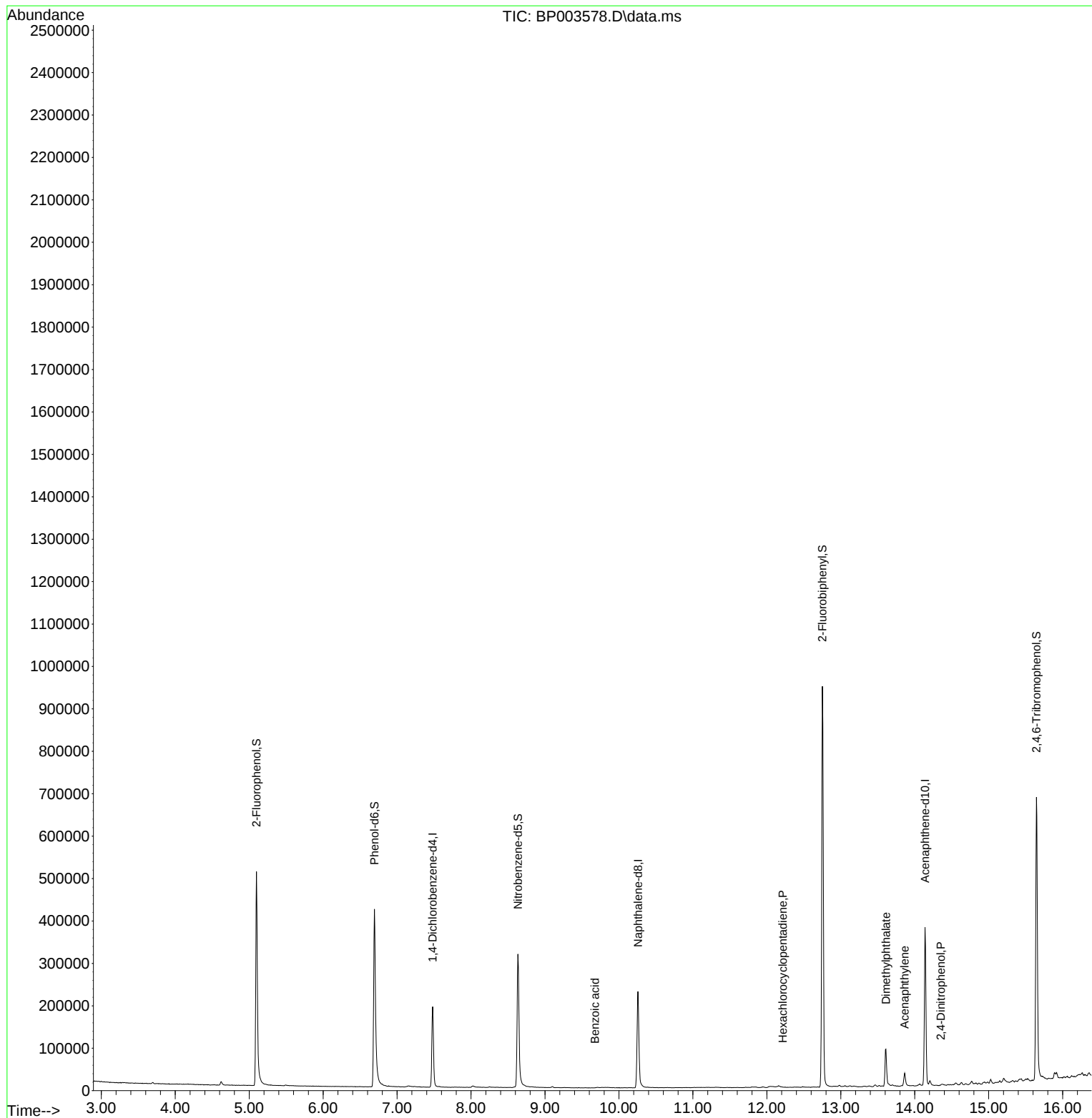
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.481	152	51560	20.00	ng	0.00
21) Naphthalene-d8	10.257	136	202477	20.00	ng	0.00
39) Acenaphthene-d10	14.140	164	121234	20.00	ng	0.00
64) Phenanthrene-d10	16.898	188	267853	20.00	ng	0.00
76) Chrysene-d12	21.010	240	308826	20.00	ng	0.00
86) Perylene-d12	23.174	264	364181	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.099	112	248524	84.17	ng	0.00
7) Phenol-d6	6.693	99	292782	74.39	ng	0.00
23) Nitrobenzene-d5	8.634	82	209612	60.82	ng	0.00
42) 2,4,6-Tribromophenol	15.645	330	154125	83.35	ng	0.00
45) 2-Fluorobiphenyl	12.751	172	494823	59.69	ng	0.00
79) Terphenyl-d14	19.486	244	794728	53.62	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.675	122	43	9.17	ng	# 11
41) Hexachlorocyclopentadiene	12.216	237	8	6.85	ng	84
49) Acenaphthylene	13.863	152	25844	2.26	ng	97
50) Dimethylphthalate	13.610	163	59807	6.18	ng	100
54) 2,4-Dinitrophenol	14.351	184	28	7.28	ng	# 1
70) Pentachlorophenol	16.592	266	36	6.79	ng	92
71) Phenanthrene	16.939	178	125506	8.61	ng	100
72) Anthracene	17.039	178	37669	2.62	ng	98
75) Fluoranthene	18.933	202	334859	18.27	ng	98
78) Pyrene	19.286	202	337037	17.50	ng	100
81) Benzo(a)anthracene	20.998	228	167833	8.41	ng	98
83) Chrysene	21.045	228	184386	9.61	ng	97
84) Bis(2-ethylhexyl)phtha...	20.933	149	26080	2.10	ng	# 98
87) Indeno(1,2,3-cd)pyrene	25.368	276	144175	5.22	ng	# 91
88) Benzo(b)fluoranthene	22.533	252	257269	11.19	ng	99
89) Benzo(k)fluoranthene	22.533	252	257269	11.67	ng	99
90) Benzo(a)pyrene	23.086	252	192684	8.89	ng	97
92) Benzo(g,h,i)perylene	26.045	276	151072	6.64	ng	# 94

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

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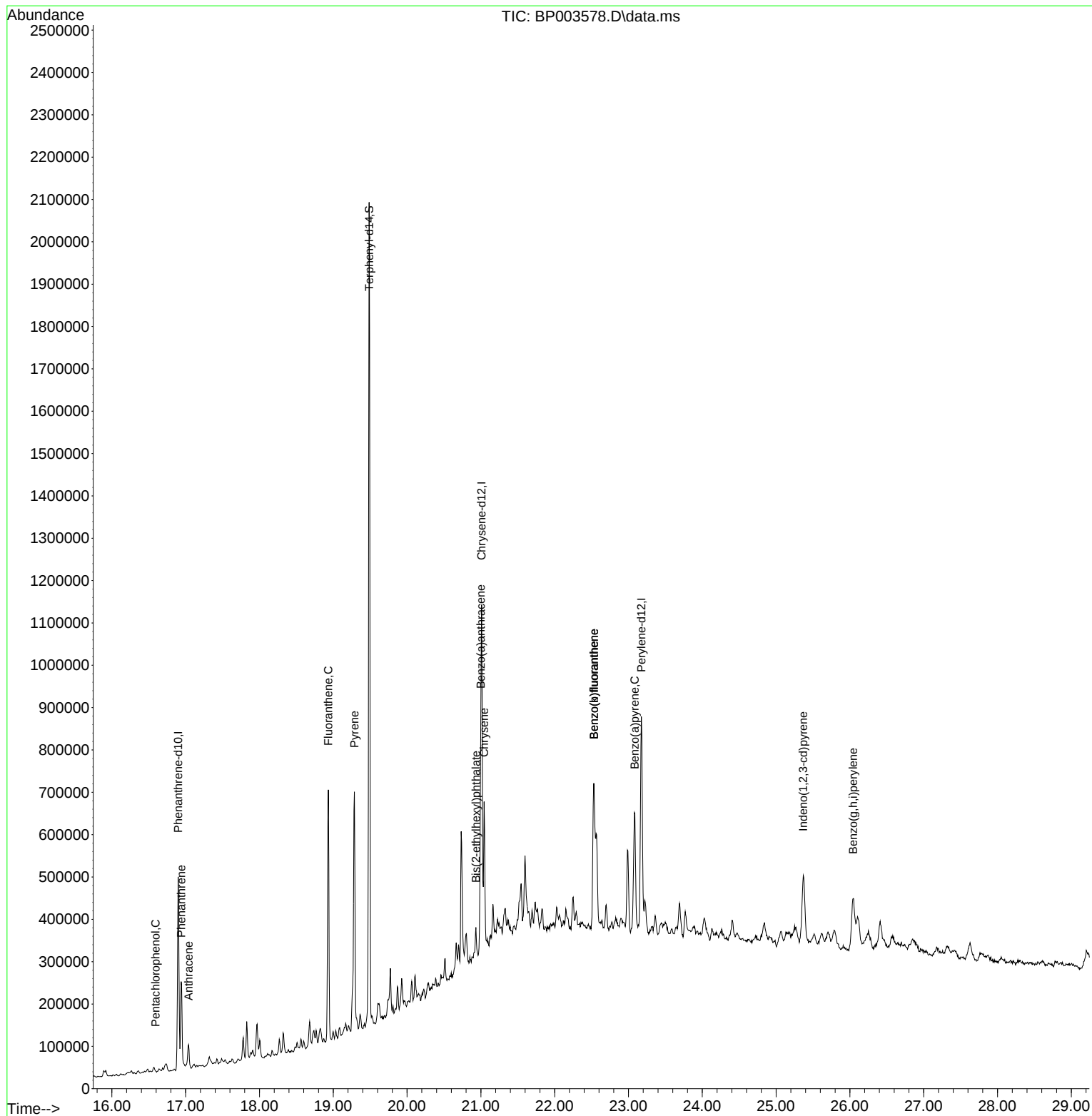
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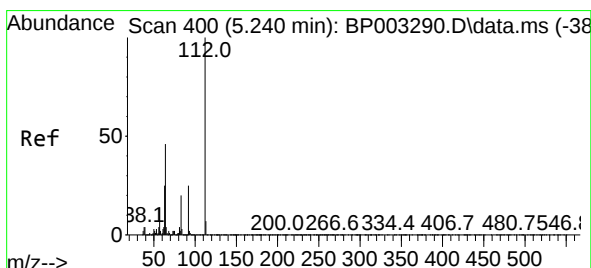
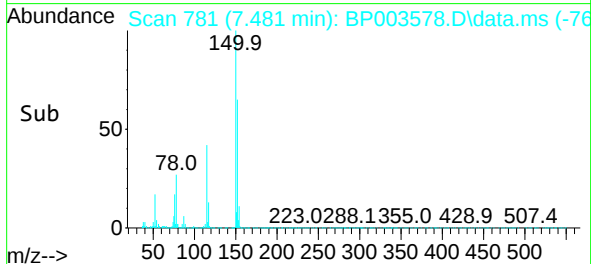
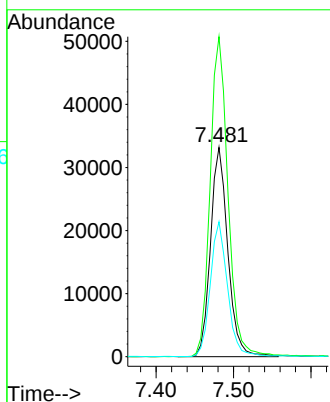
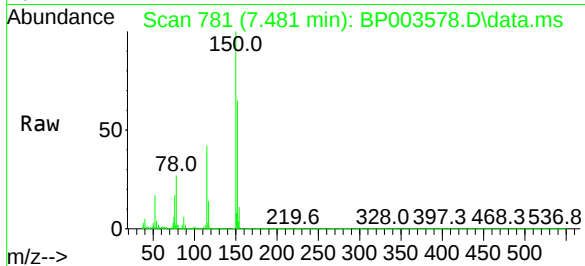




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.481 min Scan# 781
Delta R.T. 0.000 min
Lab File: BP003578.D
Acq: 08 Oct 2020 18:57

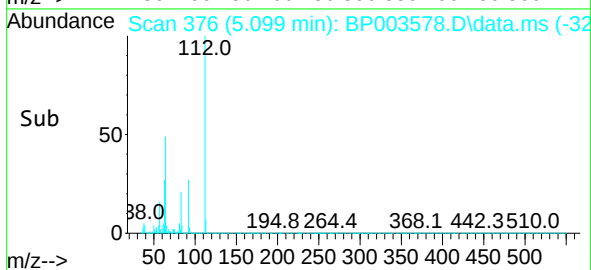
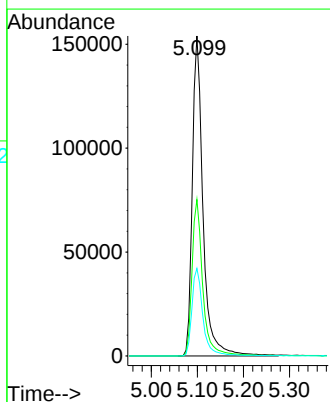
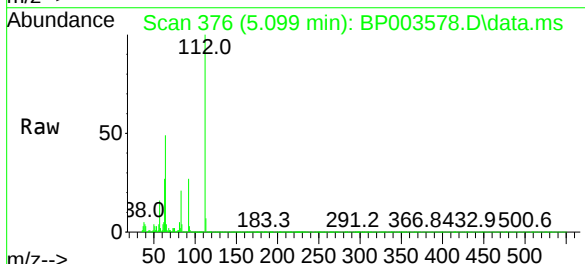
Instrument :
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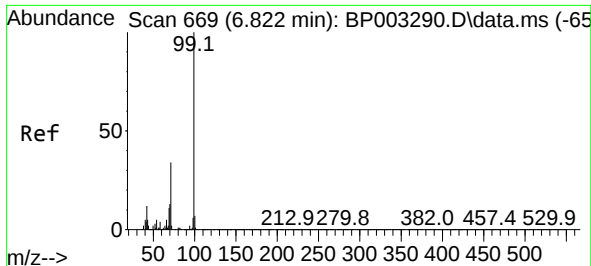
Tgt Ion:152 Resp: 51560
Ion Ratio Lower Upper
152 100
150 152.9 123.8 185.6
115 64.5 43.8 65.6



#5
2-Fluorophenol
Concen: 84.17 ng
RT: 5.099 min Scan# 376
Delta R.T. 0.000 min
Lab File: BP003578.D
Acq: 08 Oct 2020 18:57

Tgt Ion:112 Resp: 248524
Ion Ratio Lower Upper
112 100
64 48.9 32.8 49.2
63 27.3 17.0 25.4#

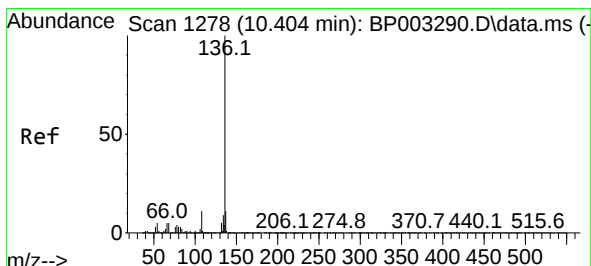
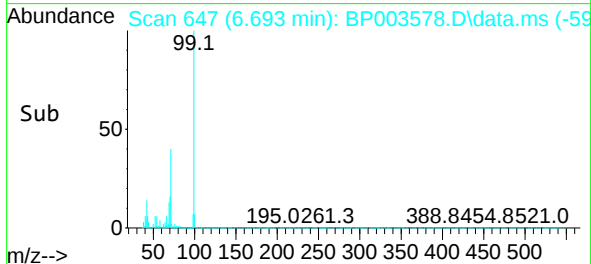
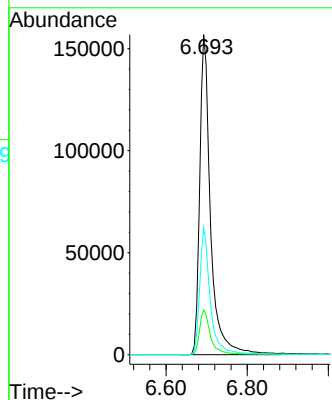
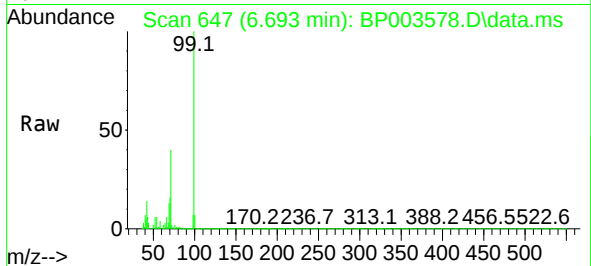




#7
Phenol-d6
Concen: 74.39 ng
RT: 6.693 min Scan# 647
Delta R.T. 0.006 min
Lab File: BP003578.D
Acq: 08 Oct 2020 18:57

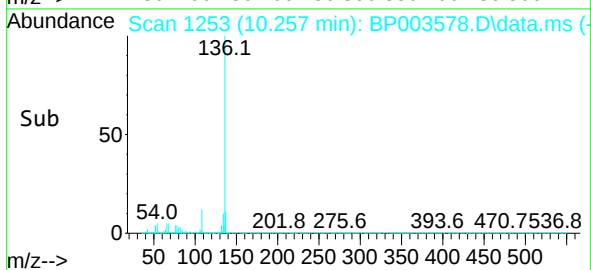
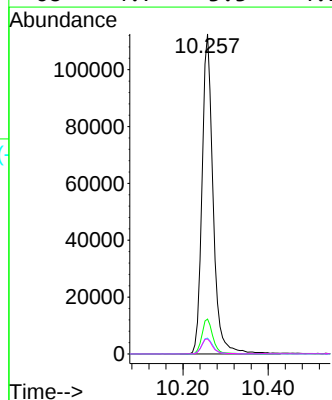
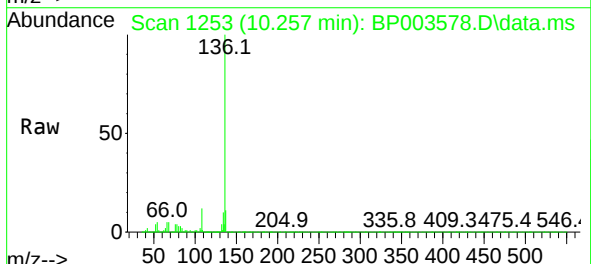
Instrument :
BNA_P
ClientSampleId :
RBR-559

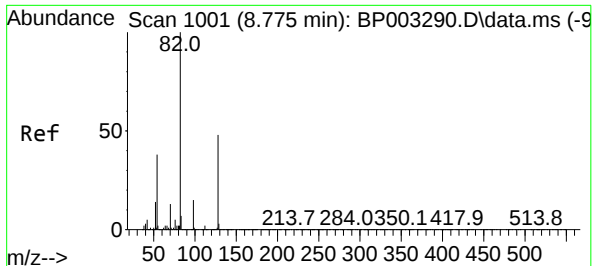
Tgt Ion: 99 Resp: 292782
Ion Ratio Lower Upper
99 100
42 14.0 8.6 13.0#
71 39.6 23.4 35.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.257 min Scan# 1253
Delta R.T. 0.006 min
Lab File: BP003578.D
Acq: 08 Oct 2020 18:57

Tgt Ion: 136 Resp: 202477
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 4.9 3.6 5.4
68 4.7 3.3 4.9

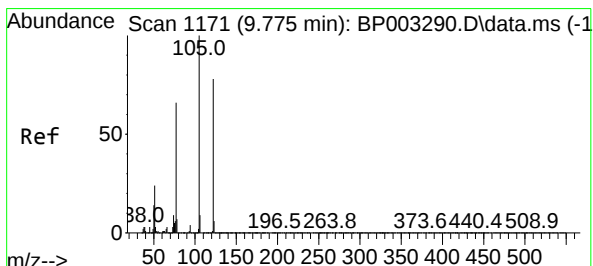
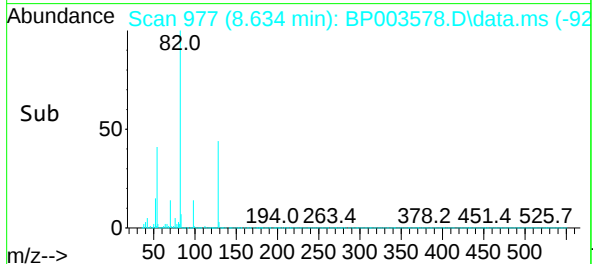
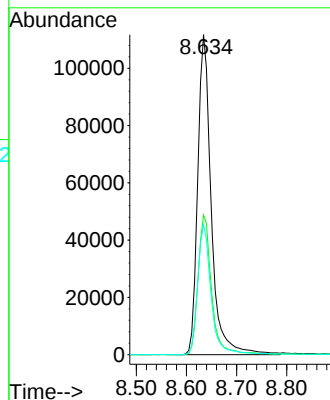
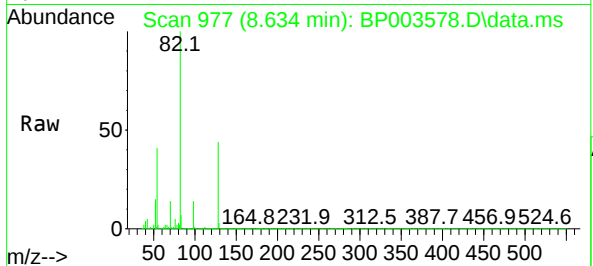




#23
Nitrobenzene-d5
Concen: 60.82 ng
RT: 8.634 min Scan# 977
Delta R.T. 0.000 min
Lab File: BP003578.D
Acq: 08 Oct 2020 18:57

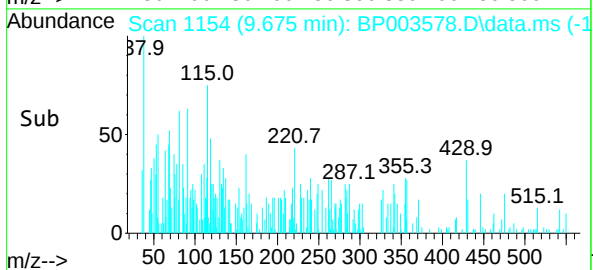
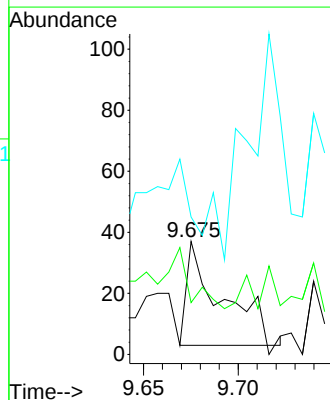
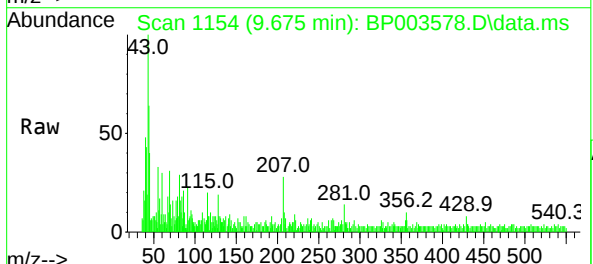
Instrument :
BNA_P
ClientSampleId :
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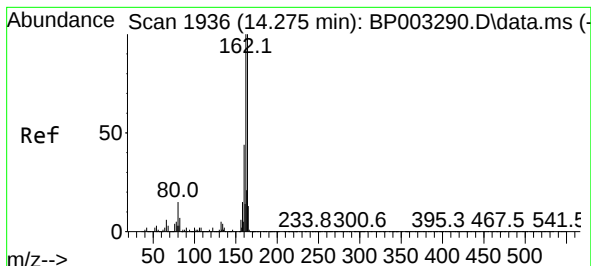
Tgt Ion: 82 Resp: 209612
Ion Ratio Lower Upper
82 100
128 43.6 45.6 68.4#
54 40.7 30.1 45.1



#32
Benzoic acid
Concen: 9.17 ng
RT: 9.675 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BP003578.D
Acq: 08 Oct 2020 18:57

Tgt Ion: 122 Resp: 43
Ion Ratio Lower Upper
122 100
105 45.9 94.1 134.1#
77 178.4 50.1 90.1#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.140 min Scan# 1913

Delta R.T. 0.000 min

Lab File: BP003578.D

Acq: 08 Oct 2020 18:57

Instrument :

BNA_P

ClientSampleId :

RBR-559

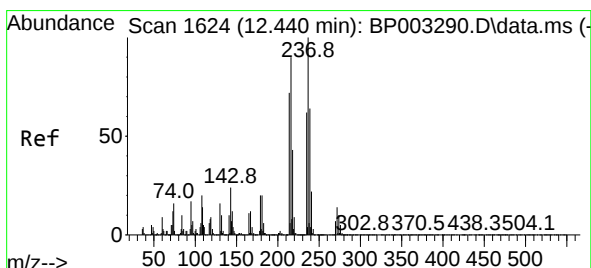
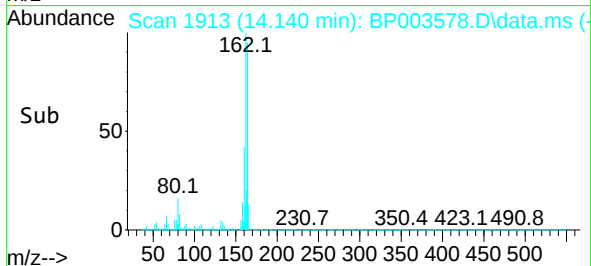
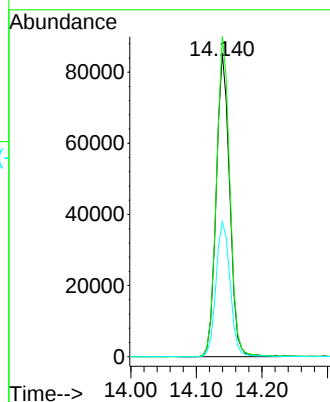
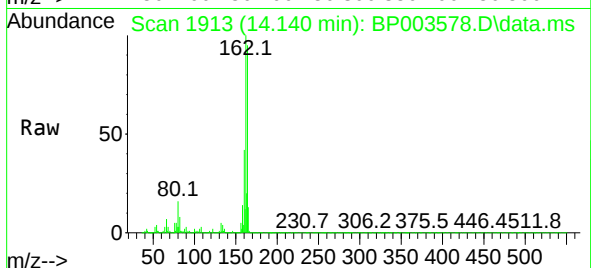
Tgt Ion:164 Resp: 121234

Ion Ratio Lower Upper

164 100

162 105.4 79.4 119.2

160 44.4 36.1 54.1



#41

Hexachlorocyclopentadiene

Concen: 6.85 ng

RT: 12.216 min Scan# 1586

Delta R.T. -0.076 min

Lab File: BP003578.D

Acq: 08 Oct 2020 18:57

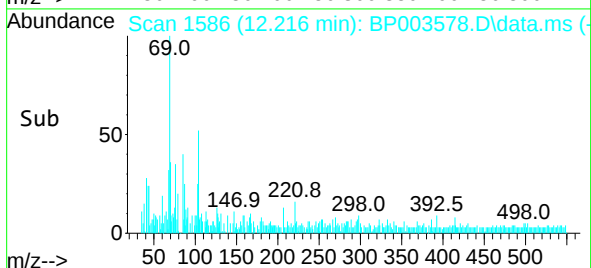
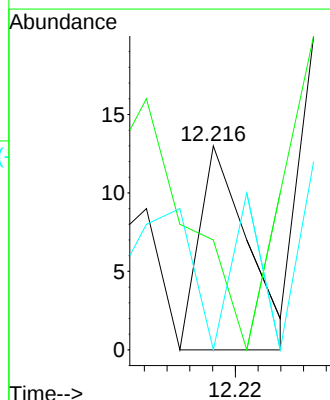
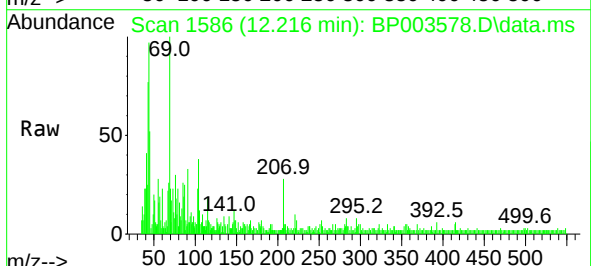
Tgt Ion:237 Resp: 8

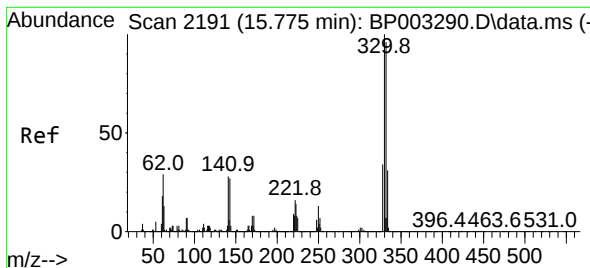
Ion Ratio Lower Upper

237 100

235 53.8 43.2 83.2

272 0.0 0.0 33.3

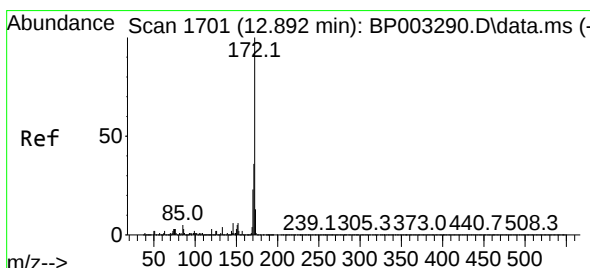
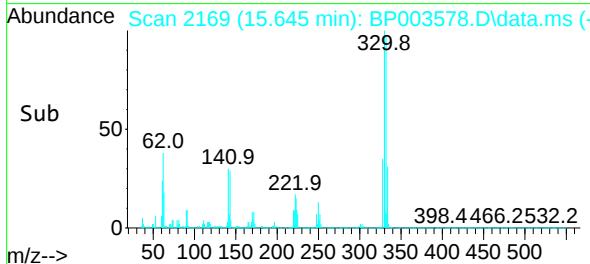
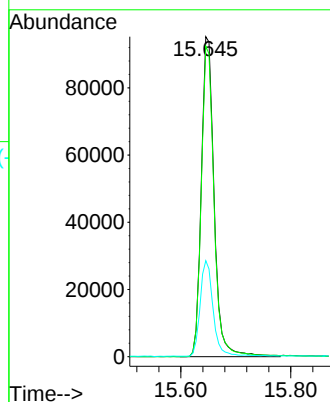
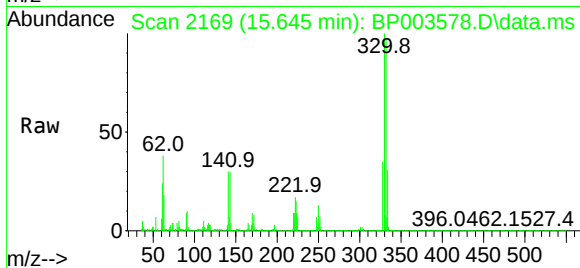




#42
2,4,6-Tribromophenol
Concen: 83.35 ng
RT: 15.645 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BP003578.D
Acq: 08 Oct 2020 18:57

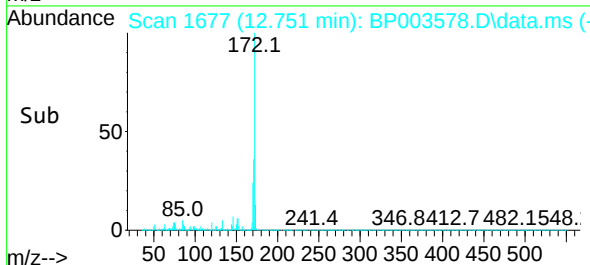
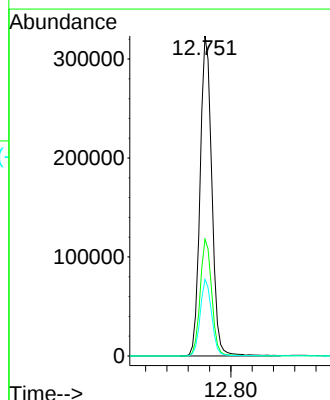
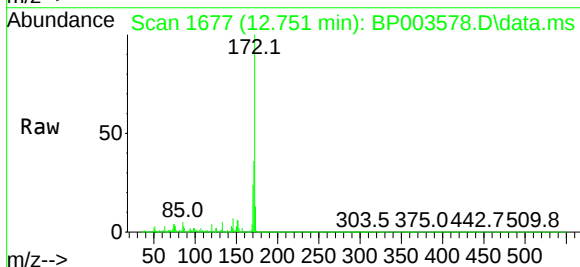
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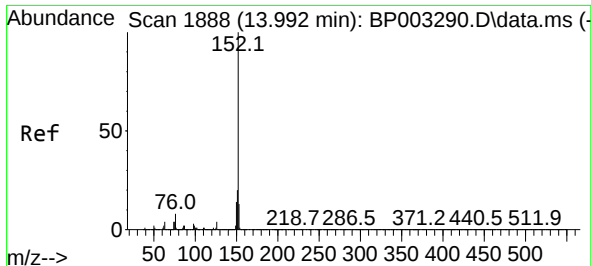
Tgt Ion:330 Resp: 154125
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 29.9 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 59.69 ng
RT: 12.751 min Scan# 1677
Delta R.T. 0.000 min
Lab File: BP003578.D
Acq: 08 Oct 2020 18:57

Tgt Ion:172 Resp: 494823
Ion Ratio Lower Upper
172 100
171 36.4 28.5 42.7
170 23.9 19.2 28.8

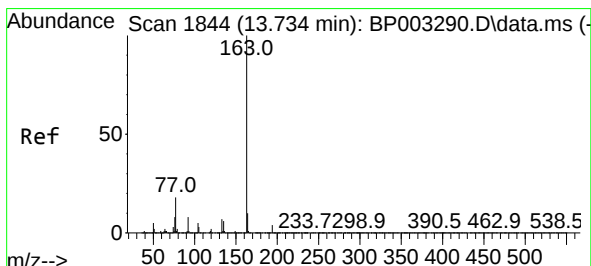
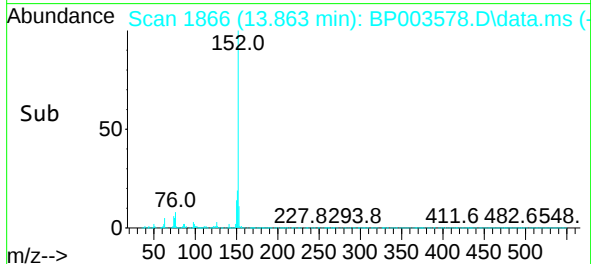
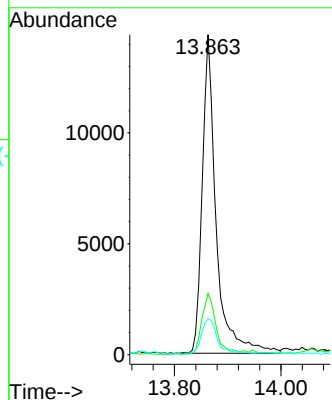
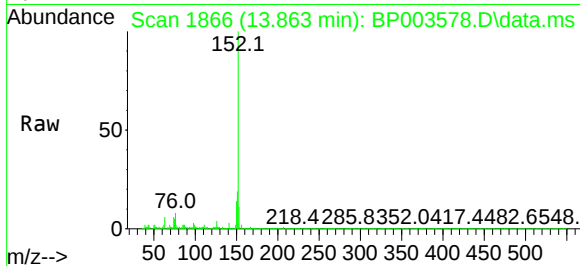




#49
Acenaphthylene
Concen: 2.26 ng
RT: 13.863 min Scan# 1866
Delta R.T. 0.006 min
Lab File: BP003578.D
Acq: 08 Oct 2020 18:57

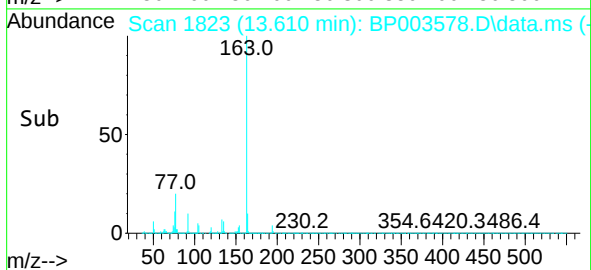
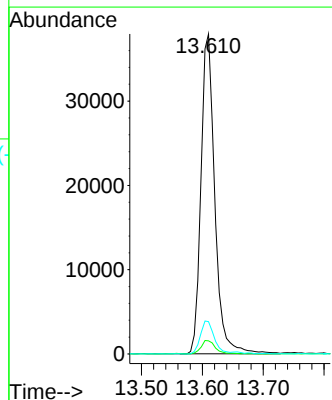
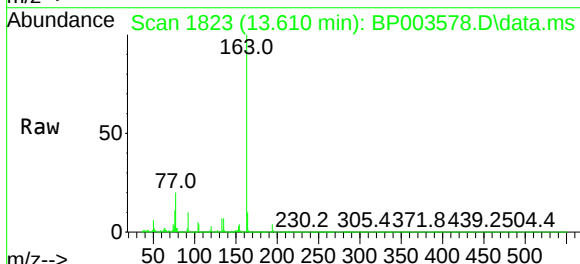
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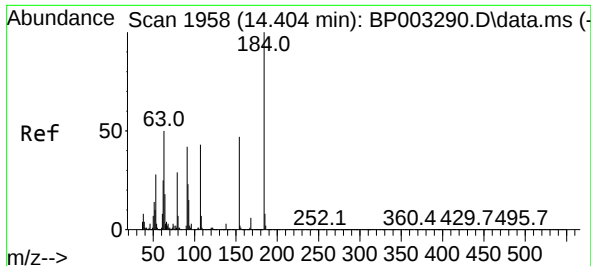
Tgt Ion:152	Resp:	25844
Ion Ratio	Lower	Upper
152	100	
151	19.1	15.9 23.9
153	11.2	10.5 15.7



#50
Dimethylphthalate
Concen: 6.18 ng
RT: 13.610 min Scan# 1823
Delta R.T. 0.000 min
Lab File: BP003578.D
Acq: 08 Oct 2020 18:57

Tgt Ion:163	Resp:	59807
Ion Ratio	Lower	Upper
163	100	
194	4.1	3.3 4.9
164	10.1	8.2 12.2

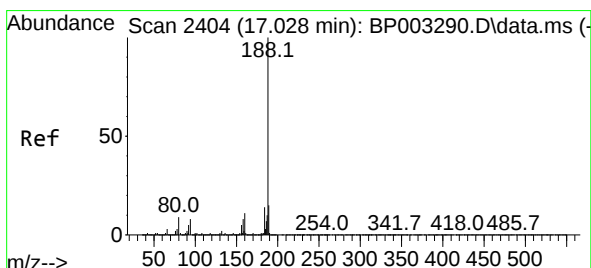
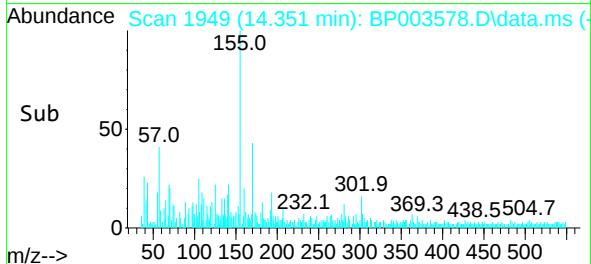
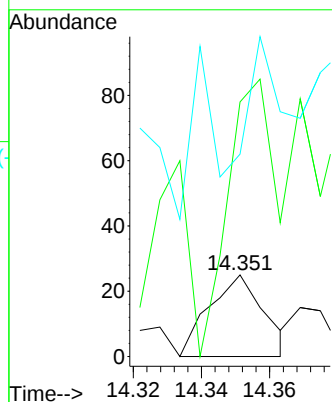
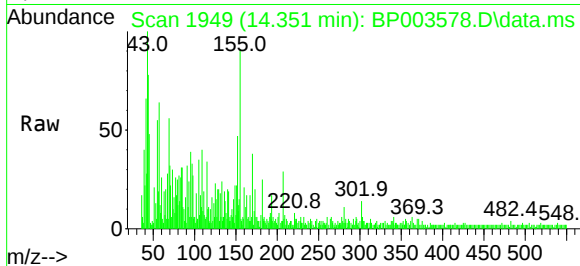




#54
2,4-Dinitrophenol
Concen: 7.28 ng
RT: 14.351 min Scan# 1949
Delta R.T. 0.035 min
Lab File: BP003578.D
Acq: 08 Oct 2020 18:57

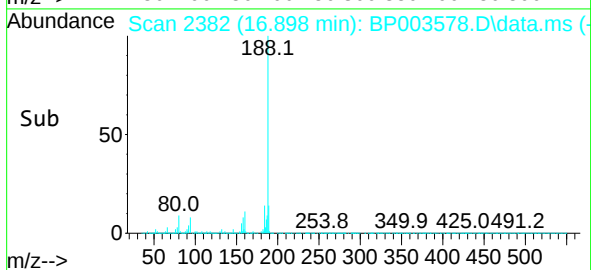
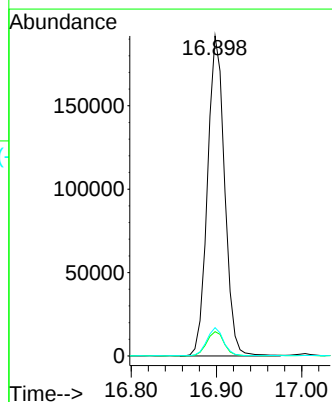
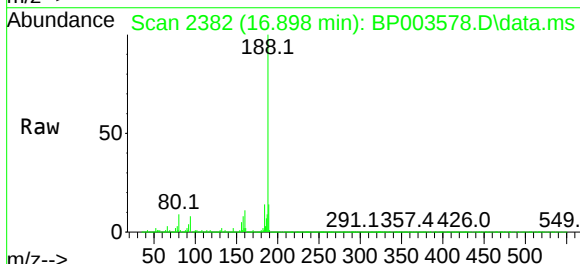
Instrument :
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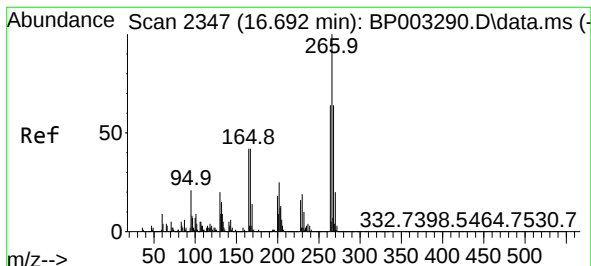
Tgt Ion:184 Resp: 28
Ion Ratio Lower Upper
184 100
63 312.0 32.3 48.5#
154 248.0 49.1 73.7#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.898 min Scan# 2382
Delta R.T. 0.000 min
Lab File: BP003578.D
Acq: 08 Oct 2020 18:57

Tgt Ion:188 Resp: 267853
Ion Ratio Lower Upper
188 100
94 7.6 6.2 9.2
80 8.8 6.2 9.2

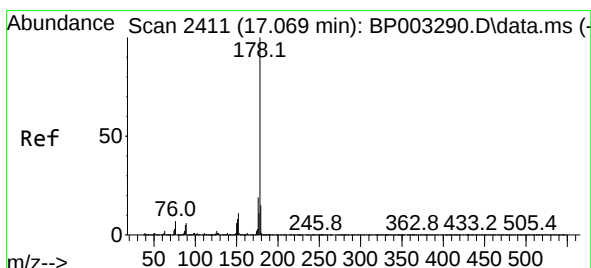
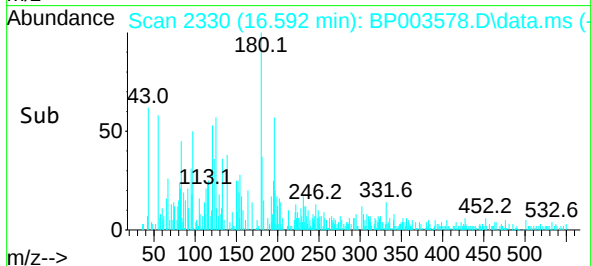
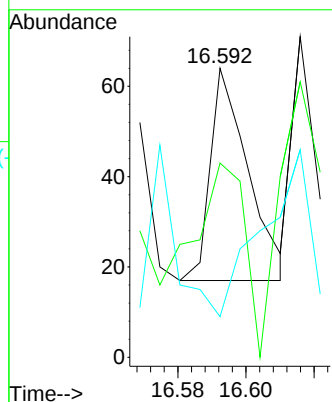
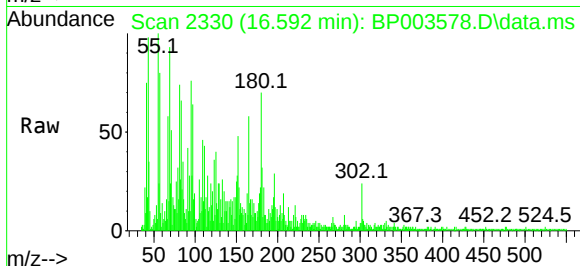




#70
Pentachlorophenol
Concen: 6.79 ng
RT: 16.592 min Scan# 2330
Delta R.T. 0.012 min
Lab File: BP003578.D
Acq: 08 Oct 2020 18:57

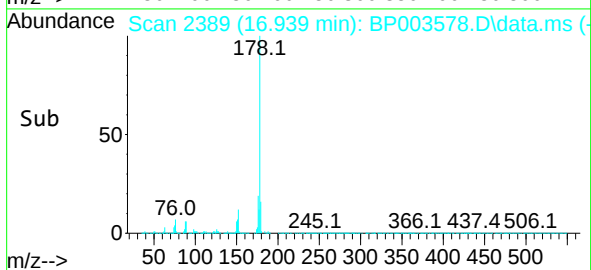
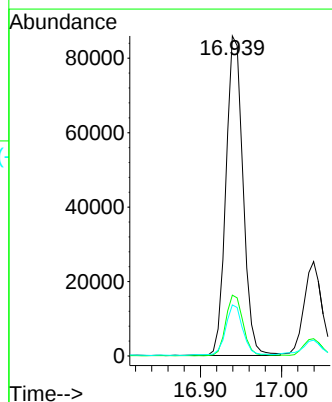
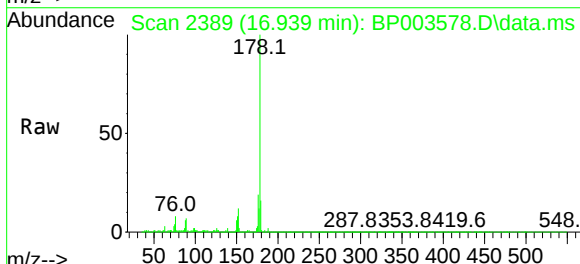
Instrument :
BNA_P
ClientSampleId :
RBR-559

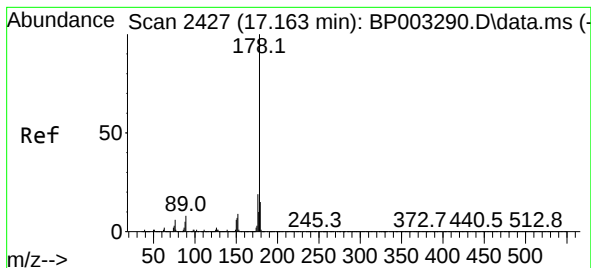
Tgt Ion:266 Resp: 36
Ion Ratio Lower Upper
266 100
268 67.2 51.1 76.7
264 54.7 50.6 76.0



#71
Phenanthrene
Concen: 8.61 ng
RT: 16.939 min Scan# 2389
Delta R.T. 0.000 min
Lab File: BP003578.D
Acq: 08 Oct 2020 18:57

Tgt Ion:178 Resp: 125506
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 16.0 12.5 18.7





#72

Anthracene

Concen: 2.62 ng

RT: 17.039 min Scan# 2406

Delta R.T. 0.006 min

Lab File: BP003578.D

Acq: 08 Oct 2020 18:57

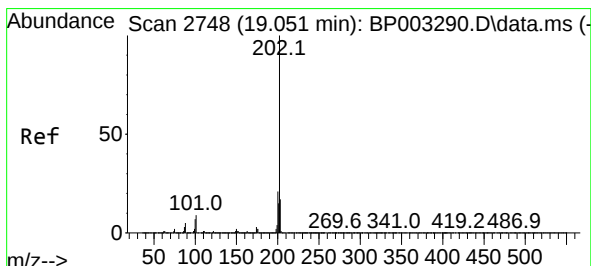
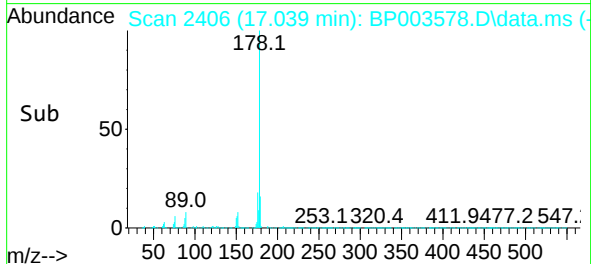
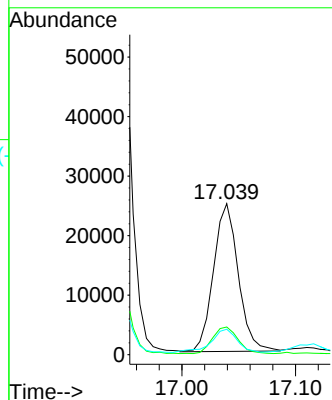
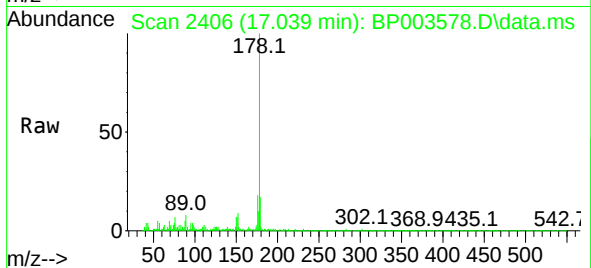
Tgt Ion:178 Resp: 37669

Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.4

179 16.9 12.5 18.7



#75

Fluoranthene

Concen: 18.27 ng

RT: 18.933 min Scan# 2728

Delta R.T. 0.000 min

Lab File: BP003578.D

Acq: 08 Oct 2020 18:57

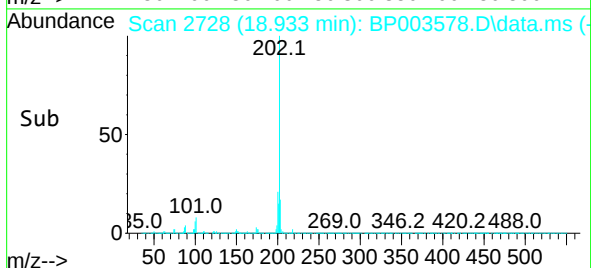
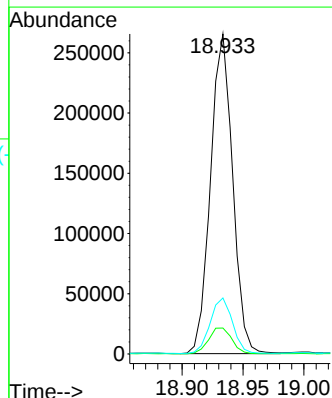
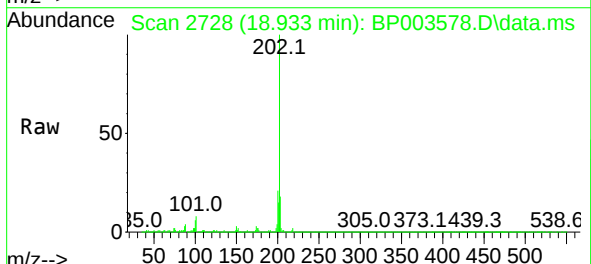
Tgt Ion:202 Resp: 334859

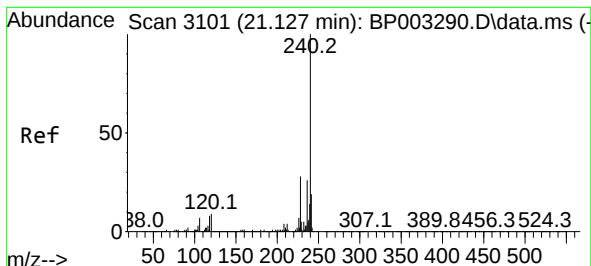
Ion Ratio Lower Upper

202 100

101 8.1 0.0 29.4

203 17.5 0.0 37.8





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.010 min Scan# 3081

Delta R.T. 0.000 min

Lab File: BP003578.D

Acq: 08 Oct 2020 18:57

Tgt Ion:240 Resp: 308826

Ion Ratio Lower Upper

240 100

120 8.1 7.8 11.6

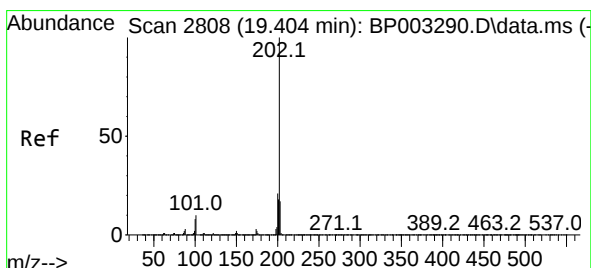
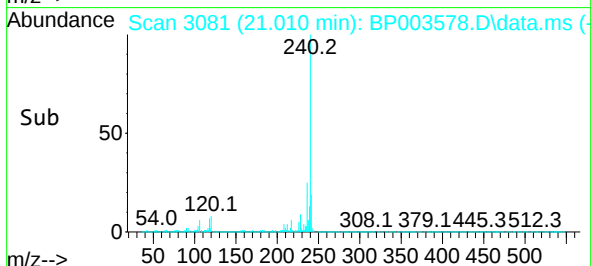
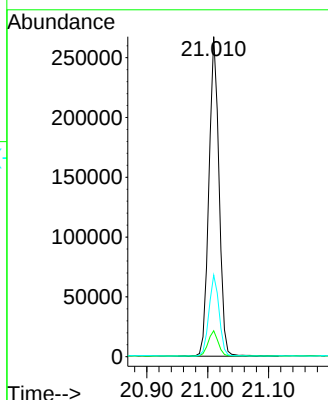
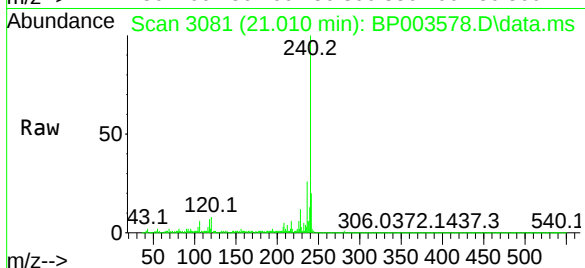
236 25.5 20.8 31.2

Instrument :

BNA_P

ClientSampleId :

RBR-559



#78

Pyrene

Concen: 17.50 ng

RT: 19.286 min Scan# 2788

Delta R.T. 0.000 min

Lab File: BP003578.D

Acq: 08 Oct 2020 18:57

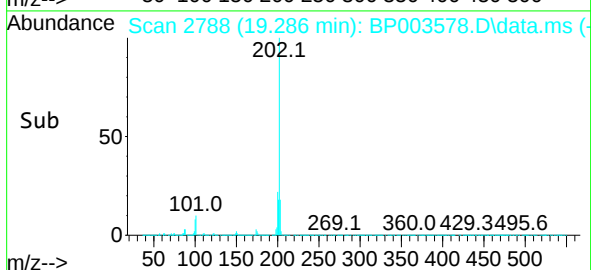
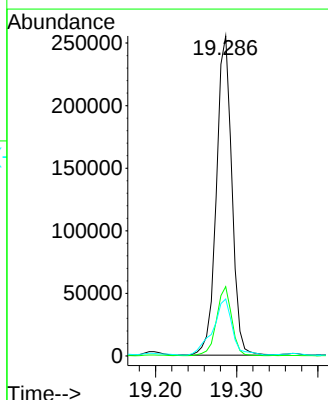
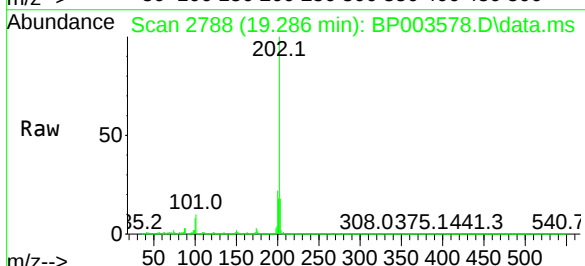
Tgt Ion:202 Resp: 337037

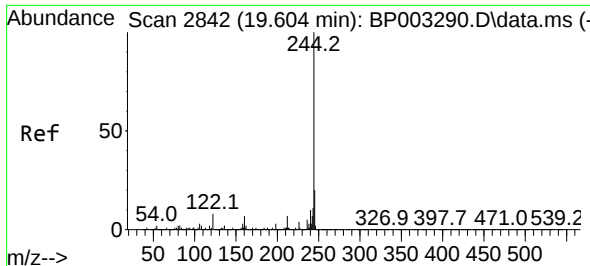
Ion Ratio Lower Upper

202 100

200 21.6 17.1 25.7

203 17.8 14.2 21.2

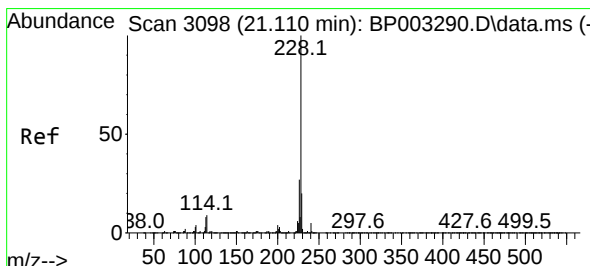
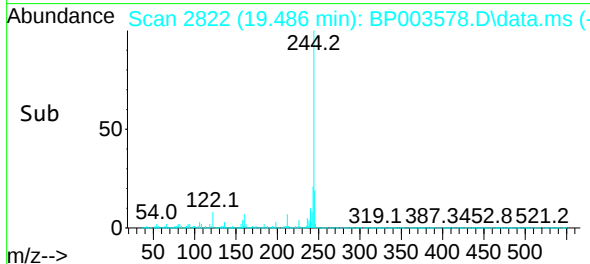
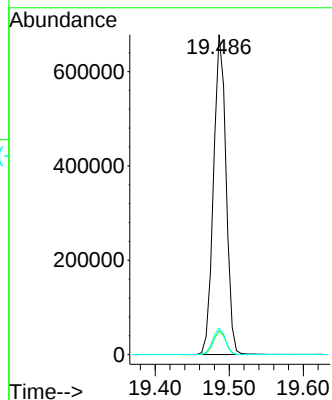
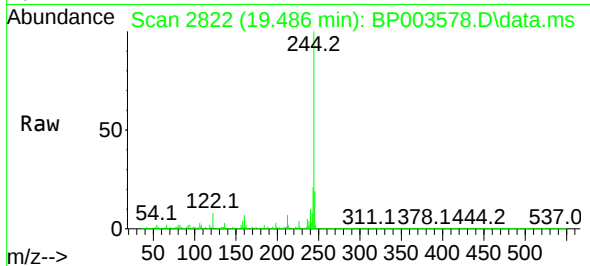




#79
 Terphenyl-d14
 Concen: 53.62 ng
 RT: 19.486 min Scan# 2822
 Delta R.T. 0.000 min
 Lab File: BP003578.D
 Acq: 08 Oct 2020 18:57

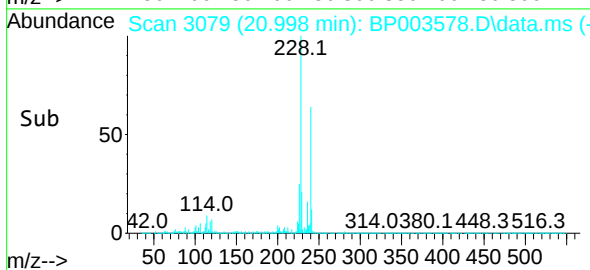
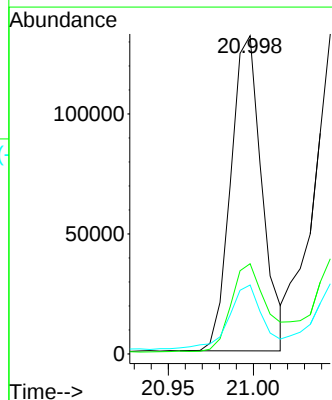
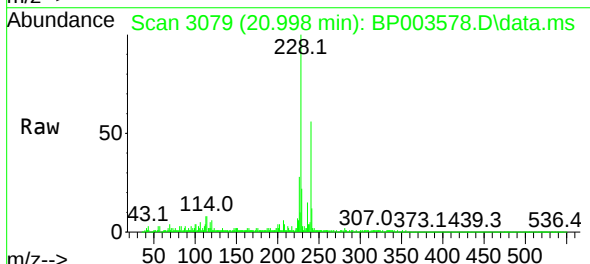
Instrument :
 BNA_P
 ClientSampleId :
 RBR-559

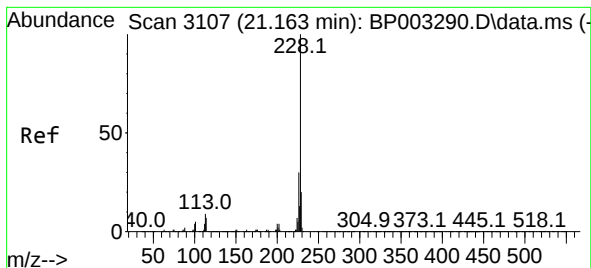
Tgt Ion:244 Resp: 794728
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 8.3 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 8.41 ng
 RT: 20.998 min Scan# 3079
 Delta R.T. 0.000 min
 Lab File: BP003578.D
 Acq: 08 Oct 2020 18:57

Tgt Ion:228 Resp: 167833
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.1 33.1
 229 21.7 15.9 23.9





#83

Chrysene

Concen: 9.61 ng

RT: 21.045 min Scan# 3087

Delta R.T. 0.000 min

Lab File: BP003578.D

Acq: 08 Oct 2020 18:57

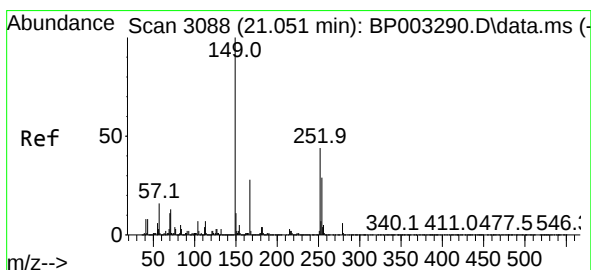
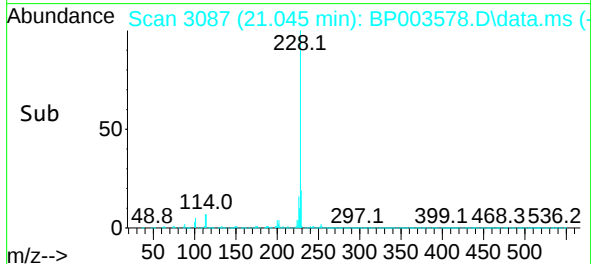
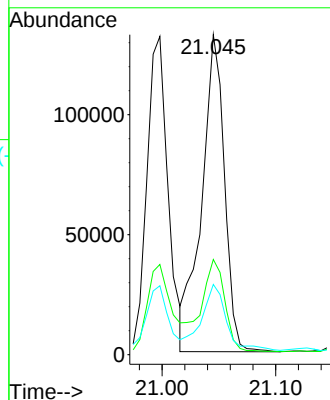
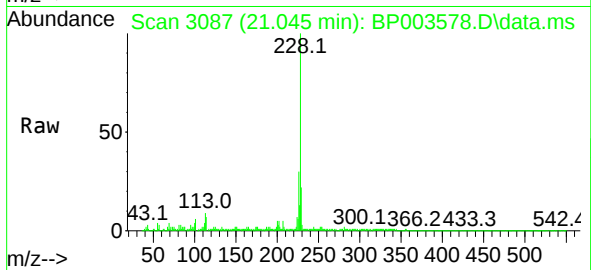
Tgt Ion:228 Resp: 184386

Ion Ratio Lower Upper

228 100

226 29.8 24.4 36.6

229 22.0 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.10 ng

RT: 20.933 min Scan# 3068

Delta R.T. 0.000 min

Lab File: BP003578.D

Acq: 08 Oct 2020 18:57

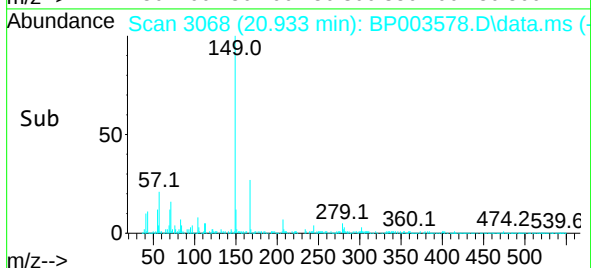
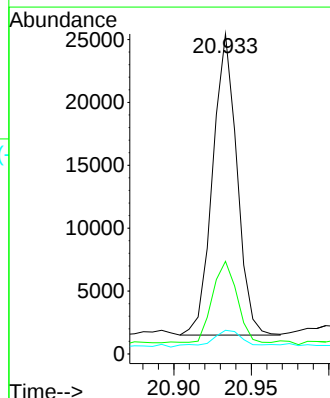
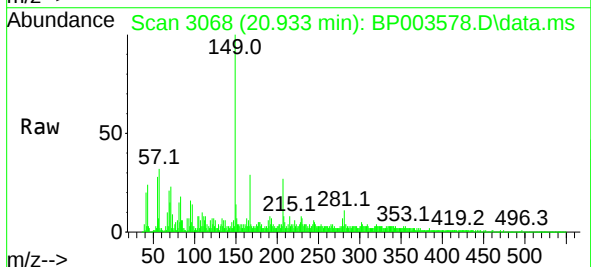
Tgt Ion:149 Resp: 26080

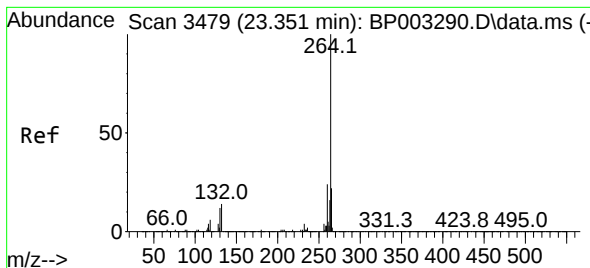
Ion Ratio Lower Upper

149 100

167 28.9 22.6 34.0

279 7.4 4.2 6.2#





#86

Perylene-d12

Concen: 20.00 ng

RT: 23.174 min Scan# 3449

Delta R.T. 0.000 min

Lab File: BP003578.D

Acq: 08 Oct 2020 18:57

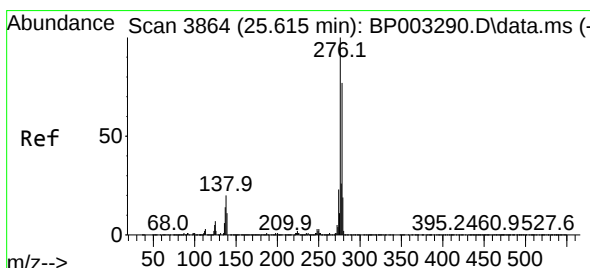
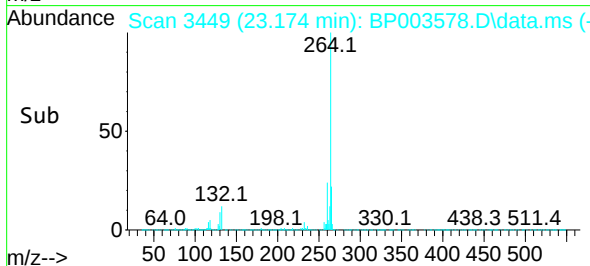
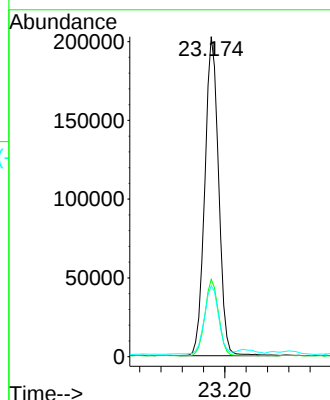
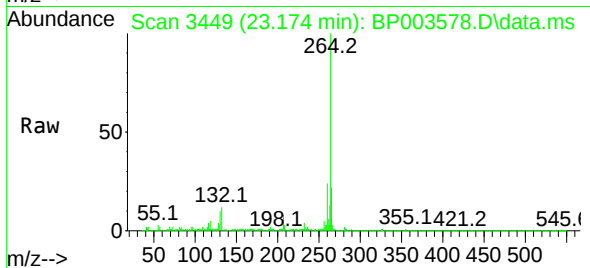
Instrument :

BNA_P

ClientSampleId :

RBR-559

Tgt Ion:	264	Resp:	364181
Ion Ratio	Lower	Upper	
264	100		
260	24.2	18.8	28.2
265	22.1	17.4	26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.22 ng

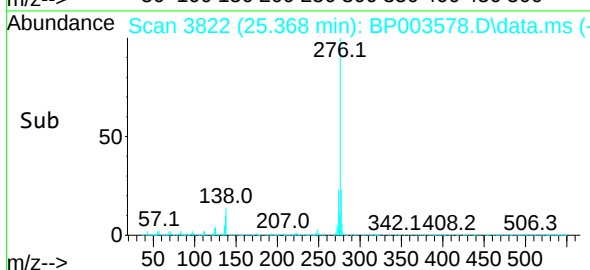
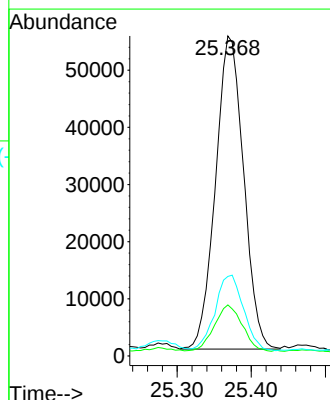
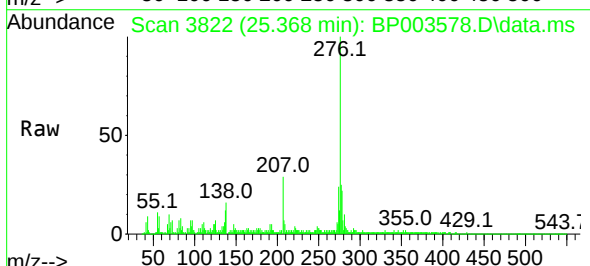
RT: 25.368 min Scan# 3822

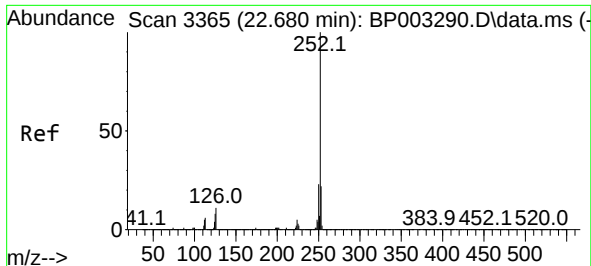
Delta R.T. 0.000 min

Lab File: BP003578.D

Acq: 08 Oct 2020 18:57

Tgt Ion:	276	Resp:	144175
Ion Ratio	Lower	Upper	
276	100		
138	15.4	18.7	28.1#
277	24.5	20.4	30.6

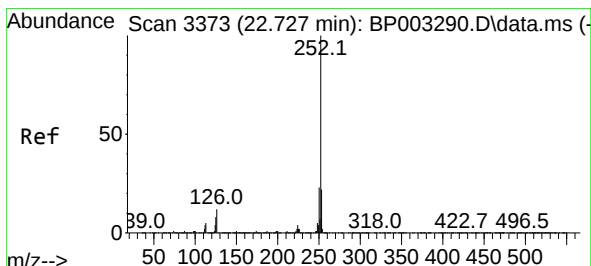
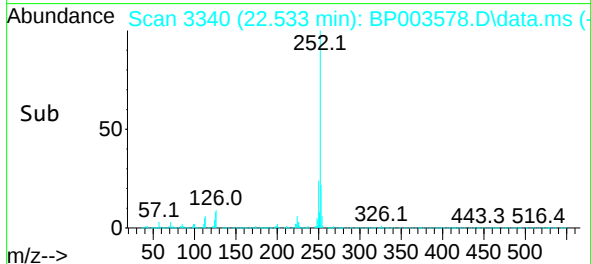
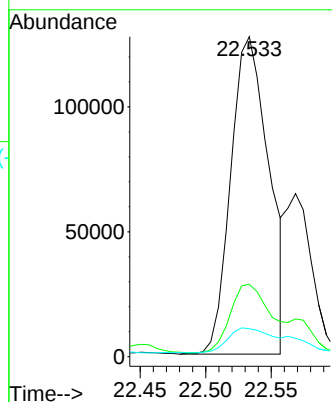
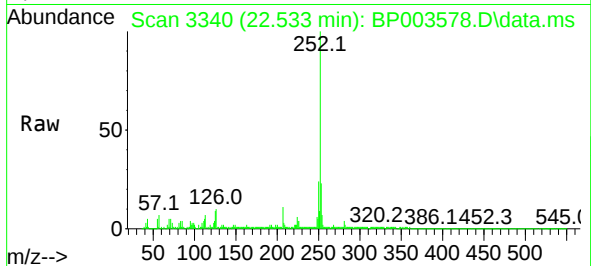




#88
Benzo(b)fluoranthene
Concen: 11.19 ng
RT: 22.533 min Scan# 3340
Delta R.T. 0.006 min
Lab File: BP003578.D
Acq: 08 Oct 2020 18:57

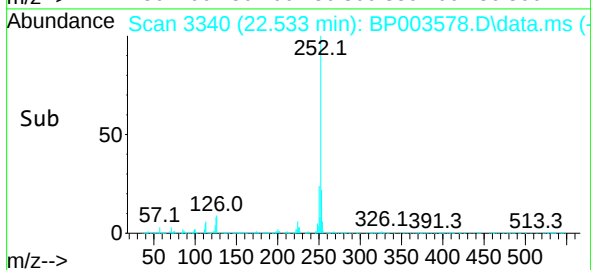
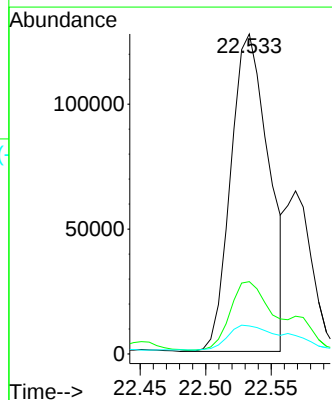
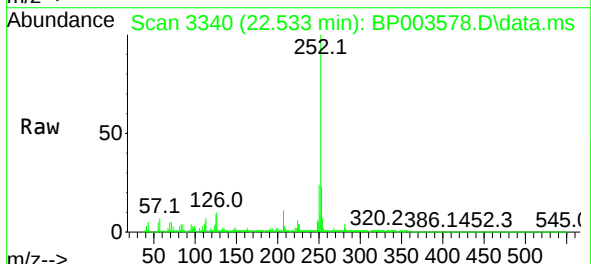
Instrument :
BNA_P
ClientSampleId :
RBR-559

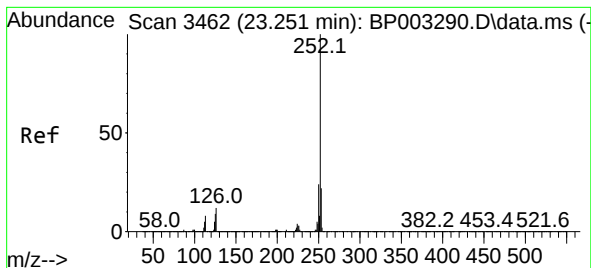
Tgt Ion:252 Resp: 257269
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 8.8 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 11.67 ng
RT: 22.533 min Scan# 3340
Delta R.T. -0.035 min
Lab File: BP003578.D
Acq: 08 Oct 2020 18:57

Tgt Ion:252 Resp: 257269
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 8.8 7.4 11.2

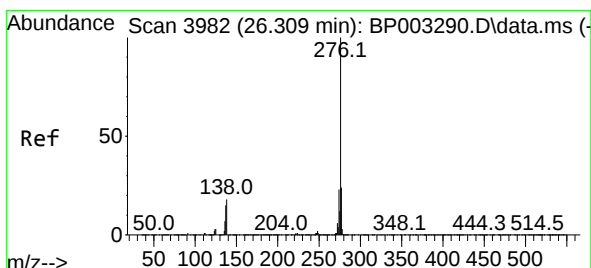
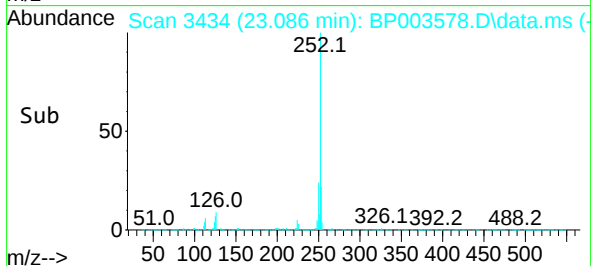
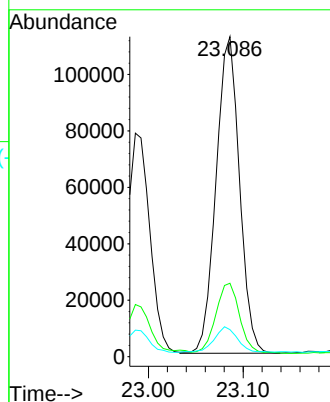
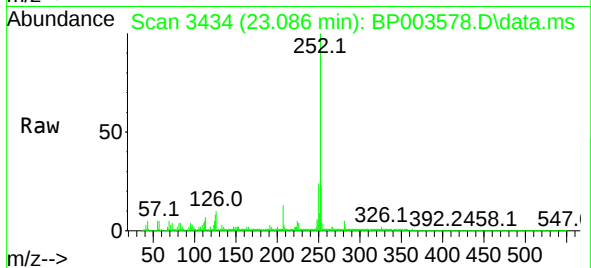




#90
Benzo(a)pyrene
Concen: 8.89 ng
RT: 23.086 min Scan# 3434
Delta R.T. 0.006 min
Lab File: BP003578.D
Acq: 08 Oct 2020 18:57

Instrument :
BNA_P
ClientSampleId :
RBR-559

Tgt Ion:252 Resp: 192684
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 8.4 8.2 12.4



#92
Benzo(g,h,i)perylene
Concen: 6.64 ng
RT: 26.045 min Scan# 3937
Delta R.T. 0.012 min
Lab File: BP003578.D
Acq: 08 Oct 2020 18:57

Tgt Ion:276 Resp: 151072
Ion Ratio Lower Upper
276 100
277 25.6 19.0 28.6
138 16.2 16.6 24.8#

