

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092220\
 Data File : BP003348.D
 Acq On : 22 Sep 2020 20:19
 Operator : CG/JU
 Sample : L3872-07 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BU-02-092120

Quant Time: Sep 23 03:34:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 22 12:48:08 2020
 Response via : Initial Calibration

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

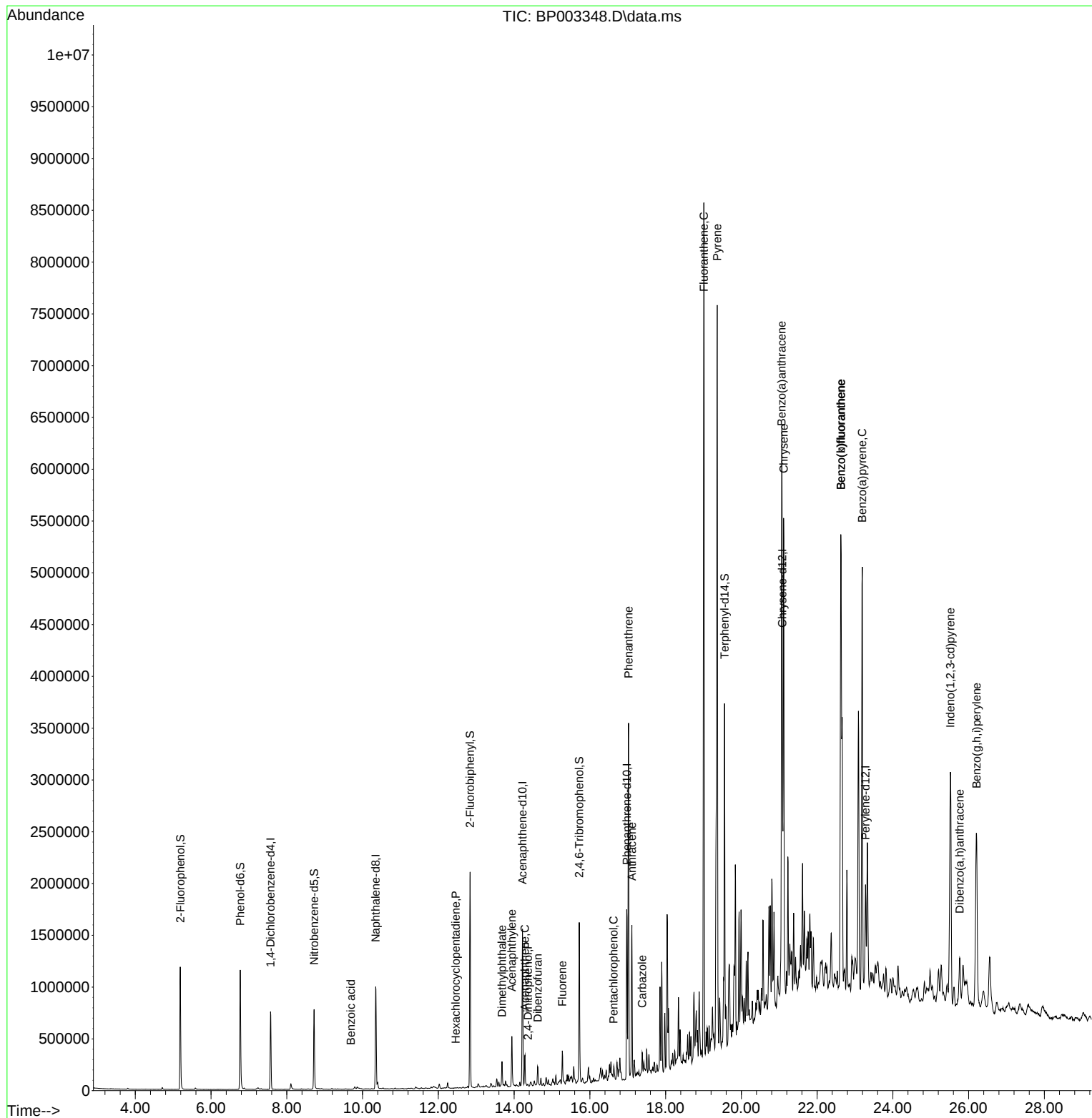
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.569	152	209535	20.00	ng	0.00
21) Naphthalene-d8	10.346	136	844006	20.00	ng	# 0.00
39) Acenaphthene-d10	14.222	164	505824	20.00	ng	0.00
64) Phenanthrene-d10	16.975	188	1007558	20.00	ng	# 0.00
76) Chrysene-d12	21.080	240	680720	20.00	ng	0.01
86) Perylene-d12	23.280	264	714142	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.187	112	592021	49.34	ng	0.00
7) Phenol-d6	6.769	99	761910	47.63	ng	0.00
23) Nitrobenzene-d5	8.722	82	493511	34.35	ng	0.00
42) 2,4,6-Tribromophenol	15.722	330	288838	37.44	ng	0.00
45) 2-Fluorobiphenyl	12.840	172	1149376	33.23	ng	0.00
79) Terphenyl-d14	19.557	244	1289291	39.46	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.693	122	61	9.16	ng	# 5
41) Hexachlorocyclopentadiene	12.463	237	37	6.85	ng	95
49) Acenaphthylene	13.940	152	382174	8.01	ng	99
50) Dimethylphthalate	13.681	163	131737	3.26	ng	99
52) Acenaphthene	14.287	154	106023	3.65	ng	98
54) 2,4-Dinitrophenol	14.369	184	84	7.27	ng	# 1
55) Dibenzofuran	14.622	168	100832	2.17	ng	95
58) Fluorene	15.275	166	136878	3.74	ng	99
70) Pentachlorophenol	16.628	266	70	6.78	ng	# 66
71) Phenanthrene	17.022	178	2068280	37.73	ng	99
72) Anthracene	17.110	178	921026	17.05	ng	100
73) Carbazole	17.381	167	132111	2.57	ng	98
75) Fluoranthene	19.010	202	5652888	82.01	ng	98
78) Pyrene	19.363	202	5025888	118.39	ng	98
81) Benzo(a)anthracene	21.063	228	2968898	67.47	ng	97
83) Chrysene	21.116	228	2728412	64.54	ng	97
87) Indeno(1,2,3-cd)pyrene	25.521	276	2245203	41.48	ng	# 94
88) Benzo(b)fluoranthene	22.627	252	5444667	120.73	ng	98
89) Benzo(k)fluoranthene	22.627	252	5444667	125.97	ng	98
90) Benzo(a)pyrene	23.192	252	2999007	70.52	ng	97
91) Dibenzo(a,h)anthracene	25.762	278	457779	10.25	ng	96
92) Benzo(g,h,i)perylene	26.210	276	2141889	48.03	ng	97

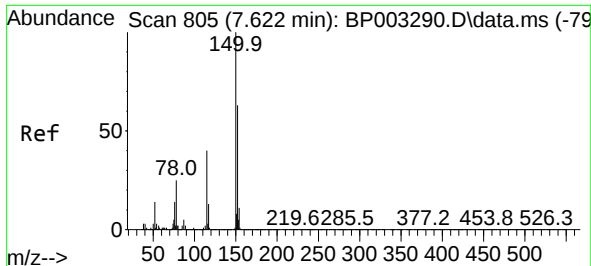
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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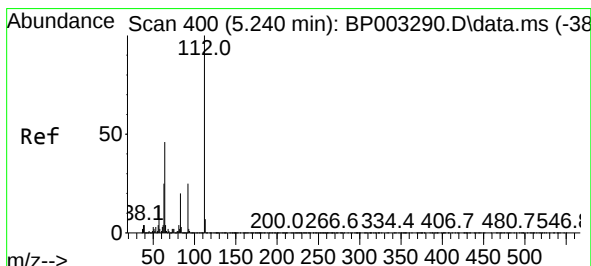
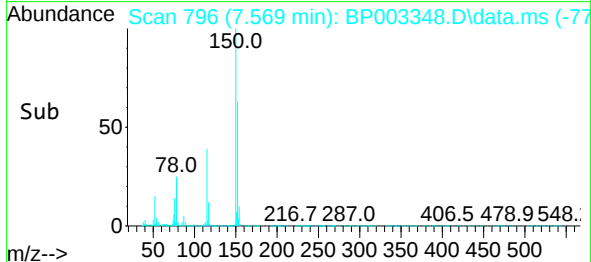
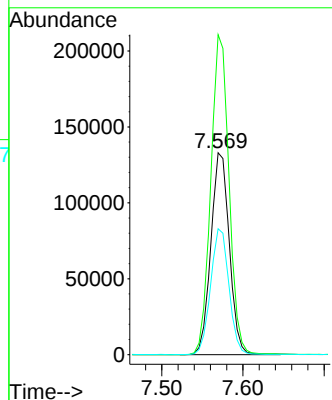
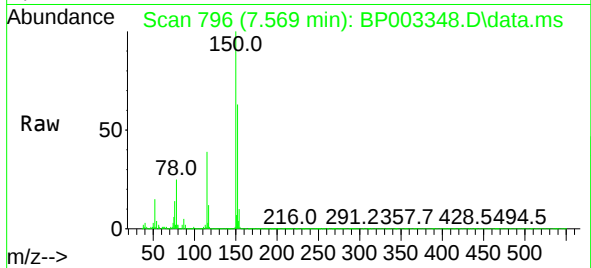




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.569 min Scan# 796
Delta R.T. 0.000 min
Lab File: BP003348.D
Acq: 22 Sep 2020 20:19

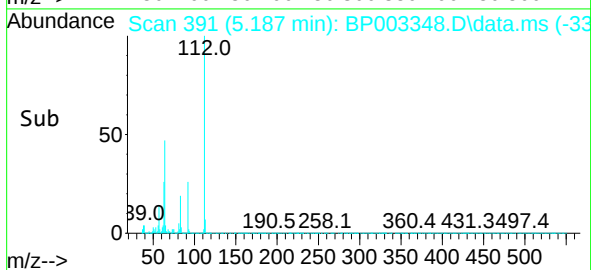
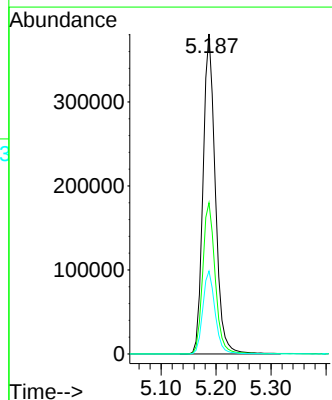
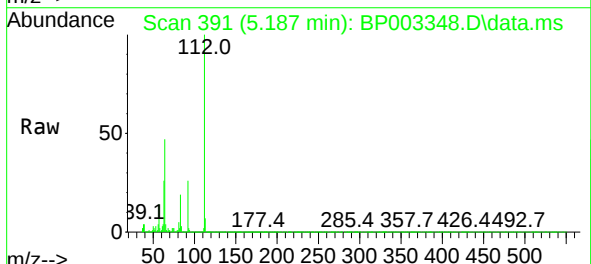
Instrument :
BNA_P
ClientSampleId :
BU-02-092120

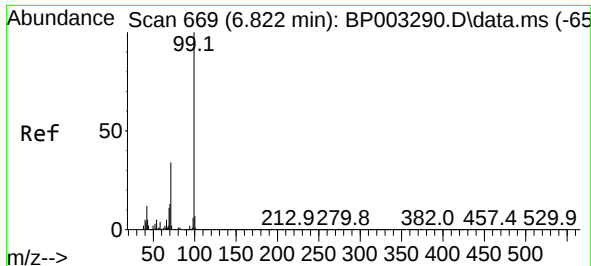
Tgt Ion:152 Resp: 209535
Ion Ratio Lower Upper
152 100
150 158.5 123.8 185.6
115 62.3 43.8 65.6



#5
2-Fluorophenol
Concen: 49.34 ng
RT: 5.187 min Scan# 391
Delta R.T. 0.006 min
Lab File: BP003348.D
Acq: 22 Sep 2020 20:19

Tgt Ion:112 Resp: 592021
Ion Ratio Lower Upper
112 100
64 47.2 32.8 49.2
63 25.9 17.0 25.4#

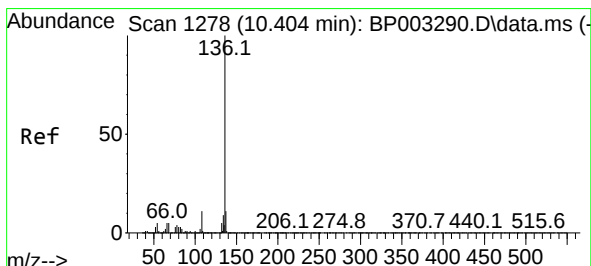
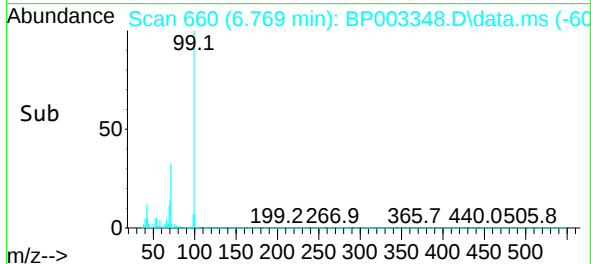
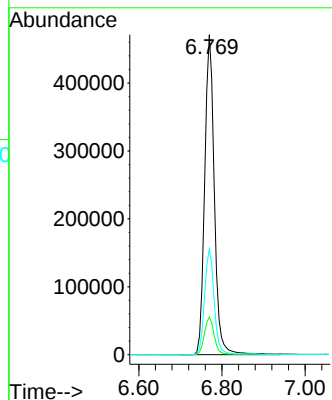
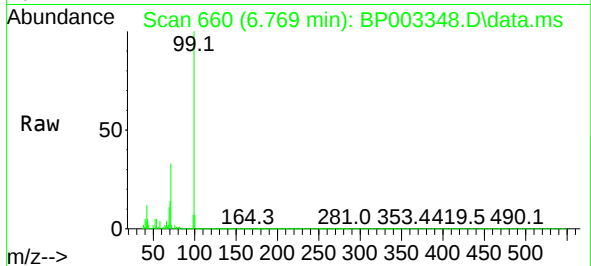




#7
Phenol-d6
Concen: 47.63 ng
RT: 6.769 min Scan# 660
Delta R.T. 0.000 min
Lab File: BP003348.D
Acq: 22 Sep 2020 20:19

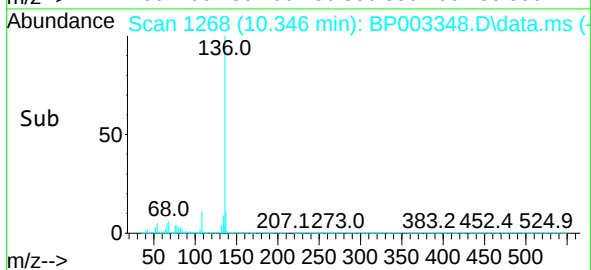
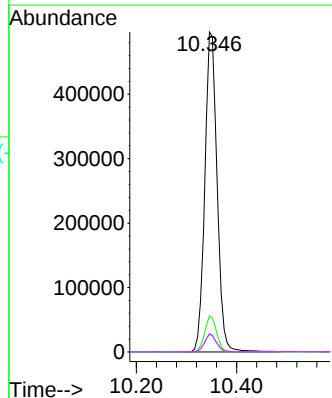
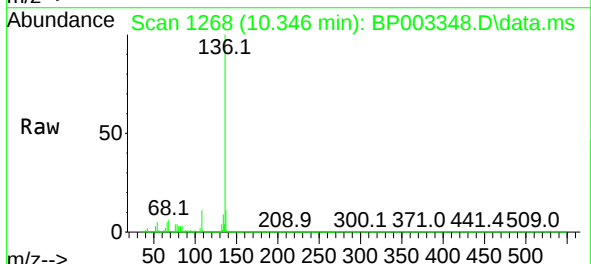
Instrument :
BNA_P
ClientSampleId :
BU-02-092120

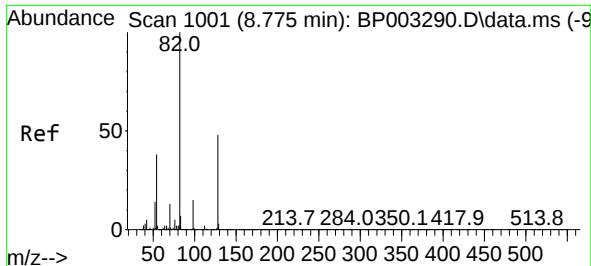
Tgt Ion: 99 Resp: 761910
Ion Ratio Lower Upper
99 100
42 11.8 8.6 13.0
71 33.0 23.4 35.2



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.346 min Scan# 1268
Delta R.T. 0.000 min
Lab File: BP003348.D
Acq: 22 Sep 2020 20:19

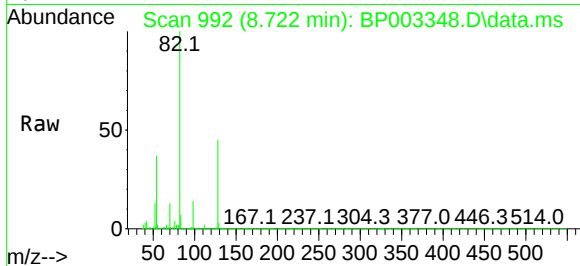
Tgt Ion: 136 Resp: 844006
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 5.4 3.6 5.4
68 5.7 3.3 4.9#



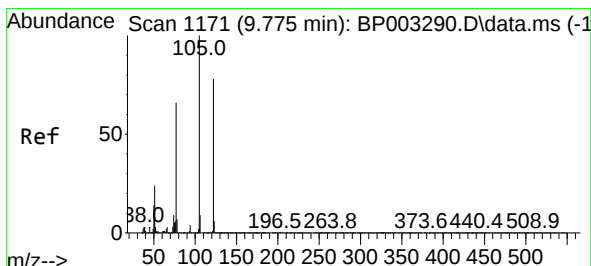
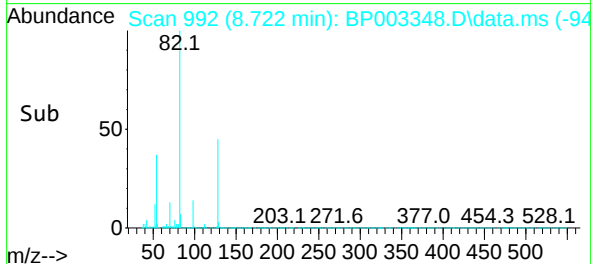
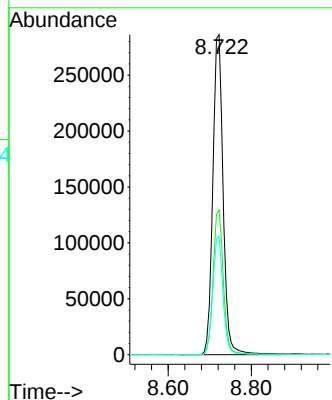


#23
Nitrobenzene-d5
Concen: 34.35 ng
RT: 8.722 min Scan# 992
Delta R.T. 0.000 min
Lab File: BP003348.D
Acq: 22 Sep 2020 20:19

Instrument :
BNA_P
ClientSampleId :
BU-02-092120

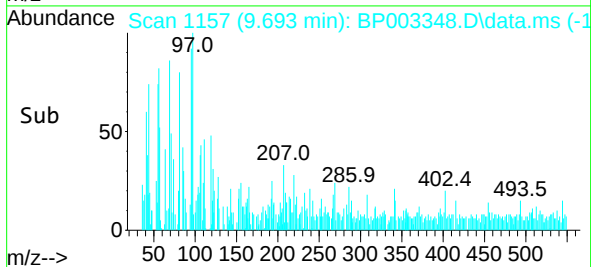
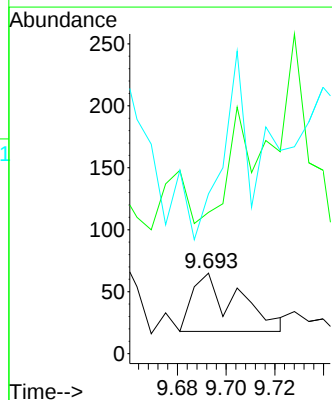
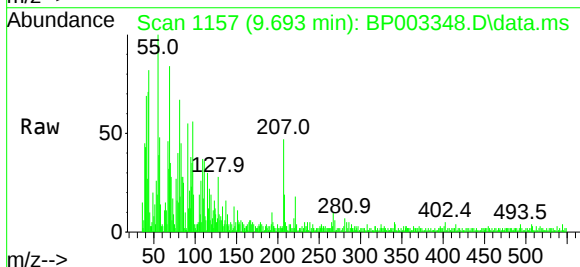


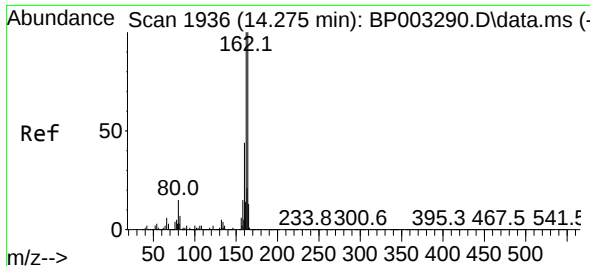
Tgt Ion: 82 Resp: 493511
Ion Ratio Lower Upper
82 100
128 45.2 45.6 68.4#
54 37.0 30.1 45.1



#32
Benzoic acid
Concen: 9.16 ng
RT: 9.693 min Scan# 1157
Delta R.T. -0.029 min
Lab File: BP003348.D
Acq: 22 Sep 2020 20:19

Tgt Ion: 122 Resp: 61
Ion Ratio Lower Upper
122 100
105 175.4 94.1 134.1#
77 198.5 50.1 90.1#

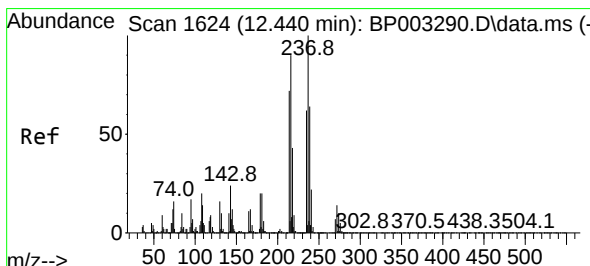
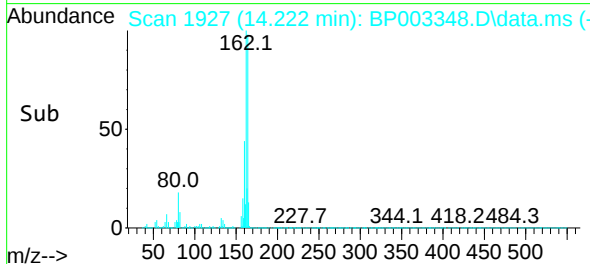
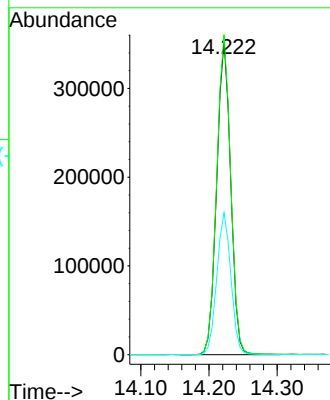
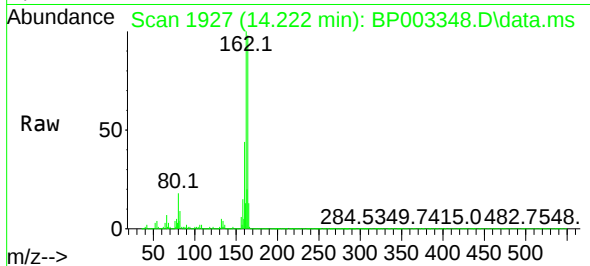




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.222 min Scan# 1927
Delta R.T. 0.000 min
Lab File: BP003348.D
Acq: 22 Sep 2020 20:19

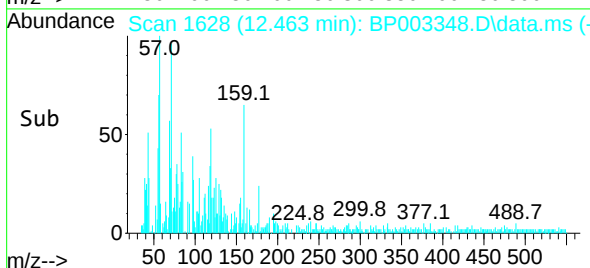
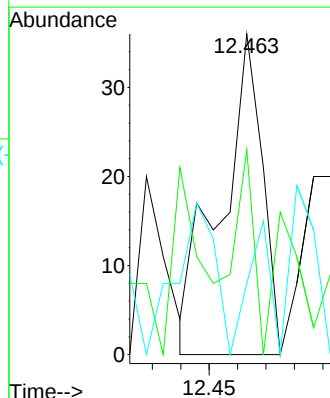
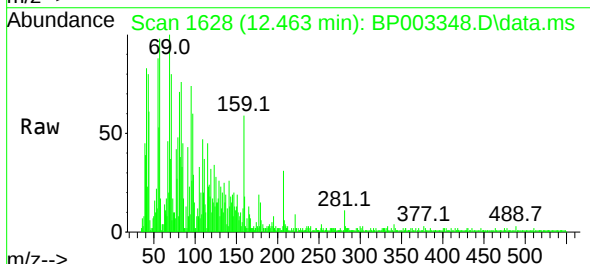
Instrument :
BNA_P
ClientSampleId :
BU-02-092120

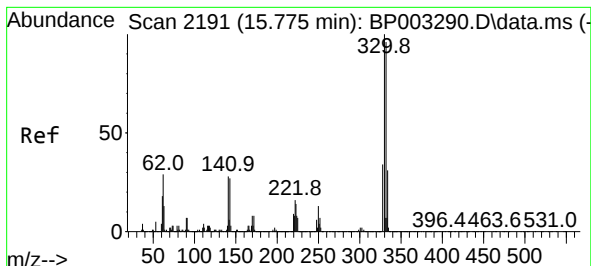
Tgt Ion:164 Resp: 505824
Ion Ratio Lower Upper
164 100
162 102.0 79.4 119.2
160 45.2 36.1 54.1



#41
Hexachlorocyclopentadiene
Concen: 6.85 ng
RT: 12.463 min Scan# 1628
Delta R.T. 0.082 min
Lab File: BP003348.D
Acq: 22 Sep 2020 20:19

Tgt Ion:237 Resp: 37
Ion Ratio Lower Upper
237 100
235 63.9 43.2 83.2
272 22.2 0.0 33.3

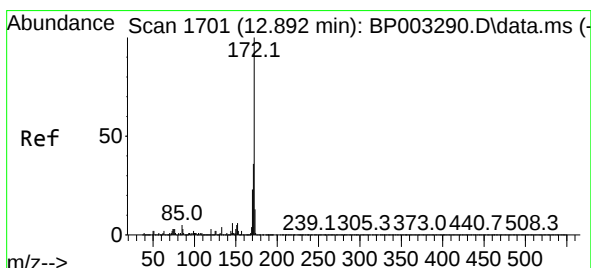
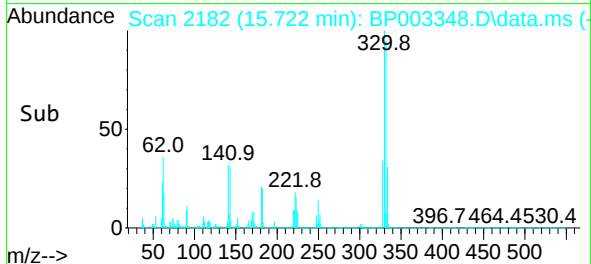
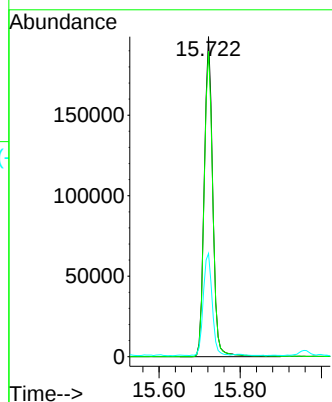
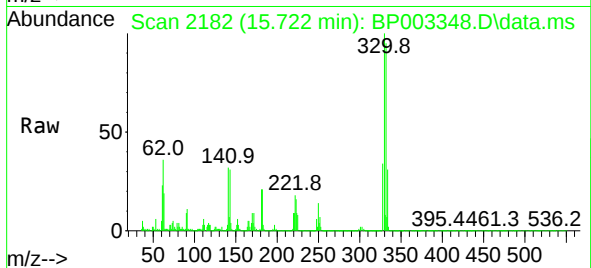




#42
2,4,6-Tribromophenol
Concen: 37.44 ng
RT: 15.722 min Scan# 2182
Delta R.T. 0.000 min
Lab File: BP003348.D
Acq: 22 Sep 2020 20:19

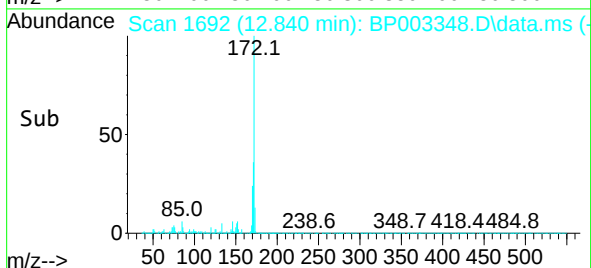
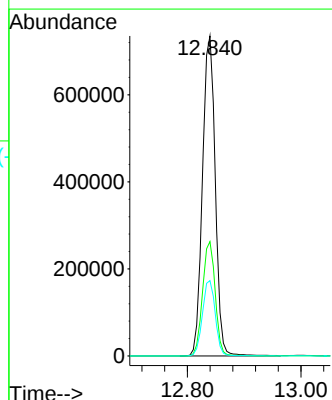
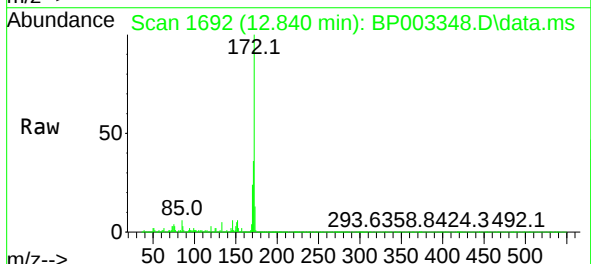
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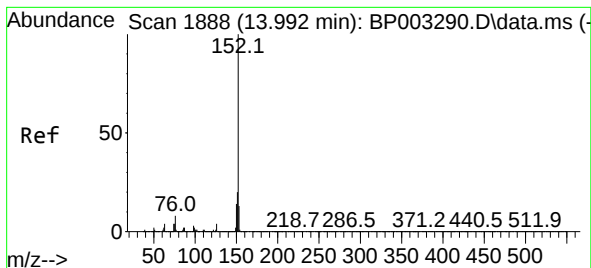
Tgt Ion:330 Resp: 288838
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 33.3 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 33.23 ng
RT: 12.840 min Scan# 1692
Delta R.T. 0.000 min
Lab File: BP003348.D
Acq: 22 Sep 2020 20:19

Tgt Ion:172 Resp: 1149376
Ion Ratio Lower Upper
172 100
171 35.8 28.5 42.7
170 23.5 19.2 28.8





#49

Acenaphthylene

Concen: 8.01 ng

RT: 13.940 min Scan# 1879

Delta R.T. 0.000 min

Lab File: BP003348.D

Acq: 22 Sep 2020 20:19

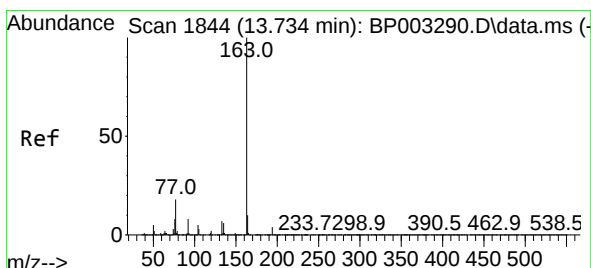
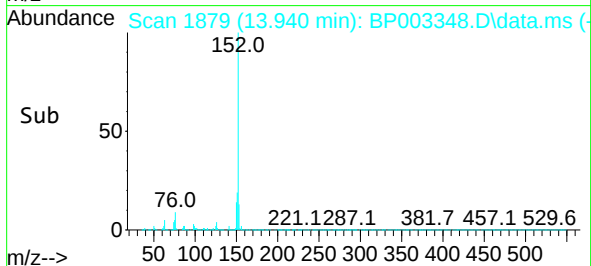
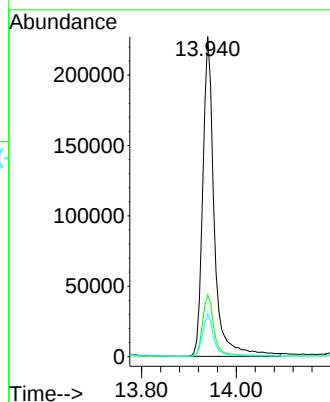
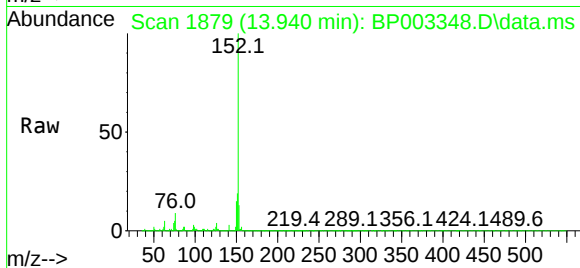
Tgt Ion:152 Resp: 382174

Ion Ratio Lower Upper

152 100

151 19.3 15.9 23.9

153 13.3 10.5 15.7



#50

Dimethylphthalate

Concen: 3.26 ng

RT: 13.681 min Scan# 1835

Delta R.T. -0.006 min

Lab File: BP003348.D

Acq: 22 Sep 2020 20:19

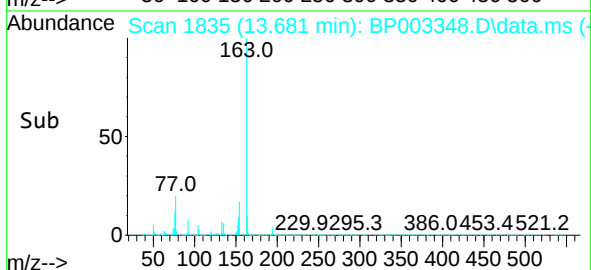
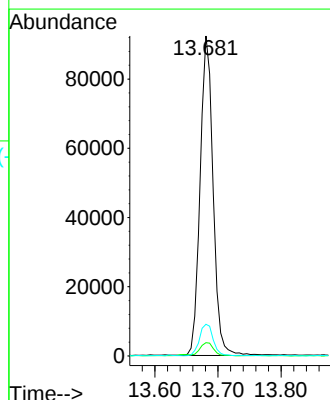
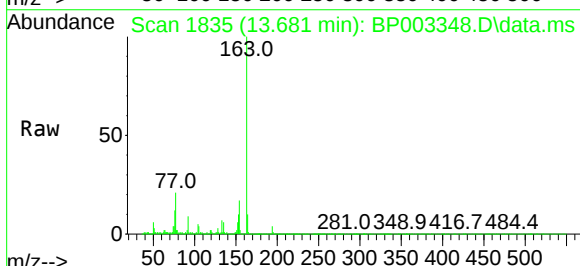
Tgt Ion:163 Resp: 131737

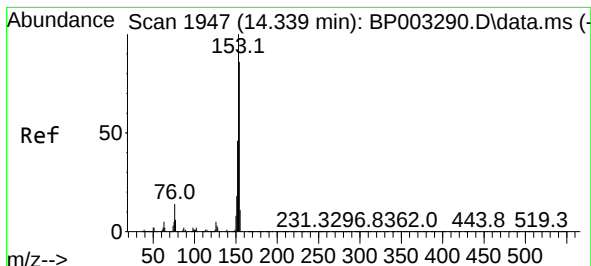
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 9.9 8.2 12.2





#52

Acenaphthene

Concen: 3.65 ng

RT: 14.287 min Scan# 1938

Delta R.T. 0.000 min

Lab File: BP003348.D

Acq: 22 Sep 2020 20:19

Tgt Ion:154 Resp: 106023

Ion Ratio Lower Upper

154 100

153 113.0 91.0 136.6

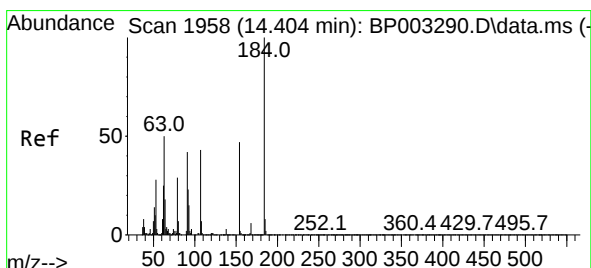
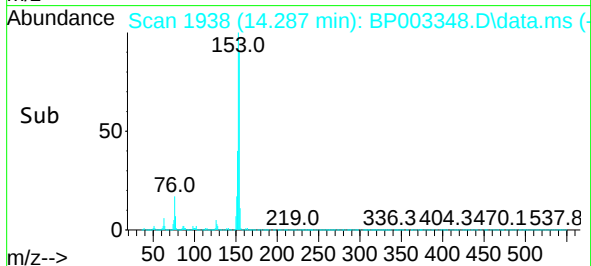
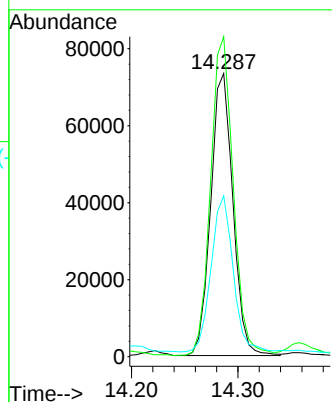
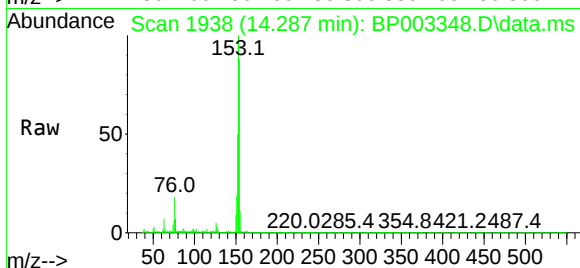
152 56.8 43.0 64.6

Instrument :

BNA_P

ClientSampleId :

BU-02-092120



#54

2,4-Dinitrophenol

Concen: 7.27 ng

RT: 14.369 min Scan# 1952

Delta R.T. 0.012 min

Lab File: BP003348.D

Acq: 22 Sep 2020 20:19

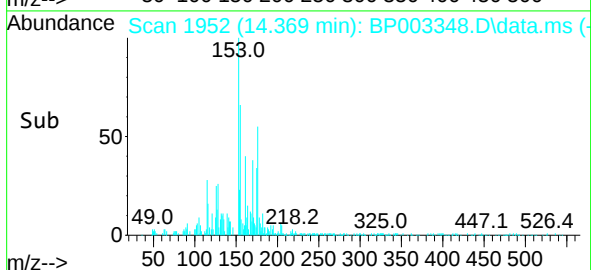
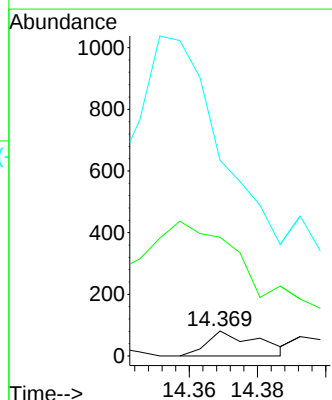
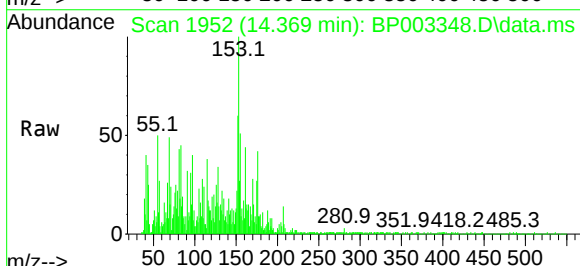
Tgt Ion:184 Resp: 84

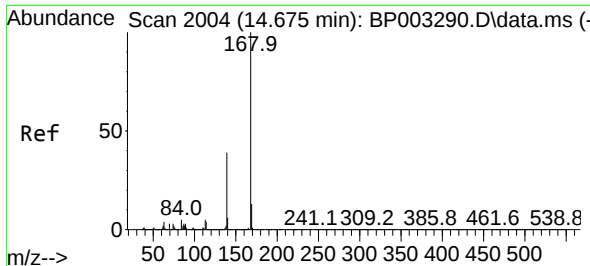
Ion Ratio Lower Upper

184 100

63 475.3 32.3 48.5#

154 784.0 49.1 73.7#

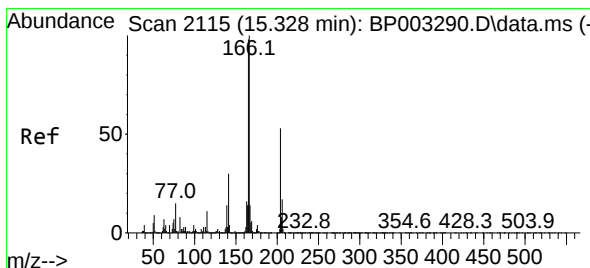
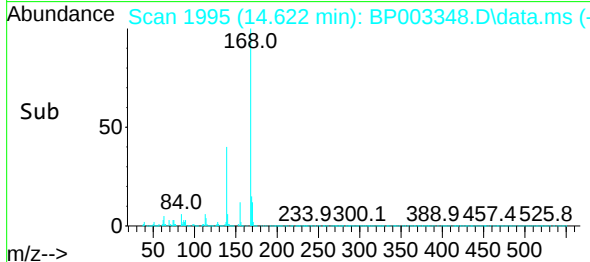
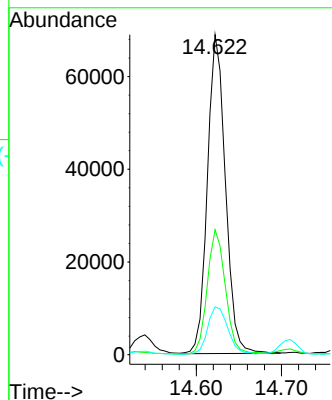
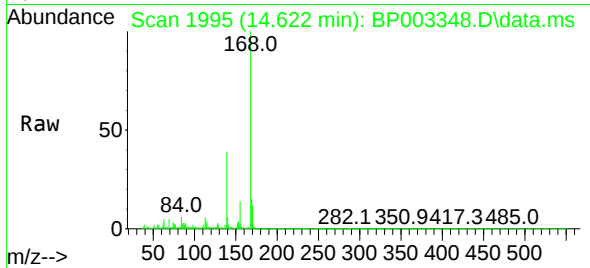




#55
Dibenzenofuran
Concen: 2.17 ng
RT: 14.622 min Scan# 1995
Delta R.T. 0.000 min
Lab File: BP003348.D
Acq: 22 Sep 2020 20:19

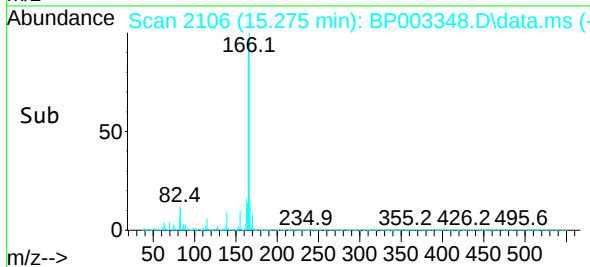
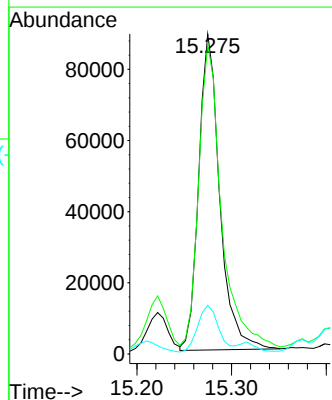
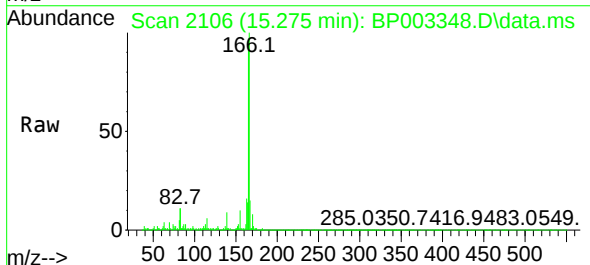
Instrument :
BNA_P
ClientSampleId :
BU-02-092120

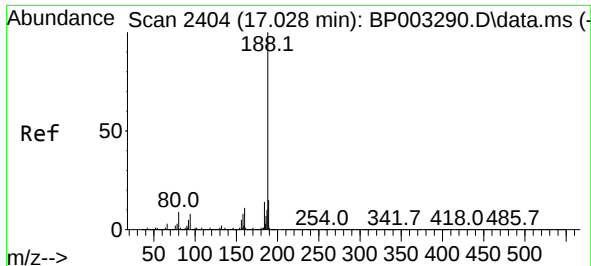
Tgt Ion:168 Resp: 100832
Ion Ratio Lower Upper
168 100
139 39.0 29.1 43.7
169 14.9 10.4 15.6



#58
Fluorene
Concen: 3.74 ng
RT: 15.275 min Scan# 2106
Delta R.T. 0.000 min
Lab File: BP003348.D
Acq: 22 Sep 2020 20:19

Tgt Ion:166 Resp: 136878
Ion Ratio Lower Upper
166 100
165 96.9 77.8 116.8
167 15.2 11.0 16.4

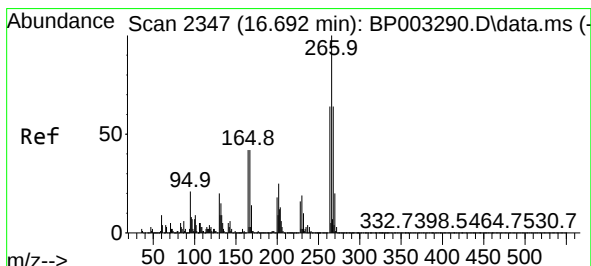
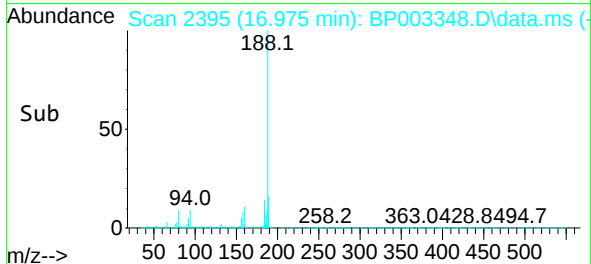
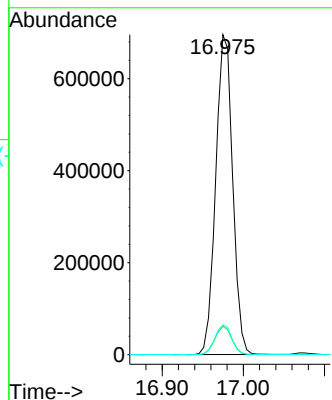
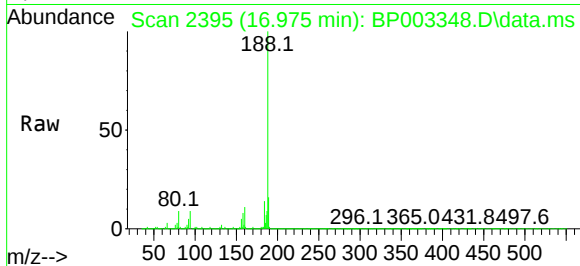




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.975 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BP003348.D
Acq: 22 Sep 2020 20:19

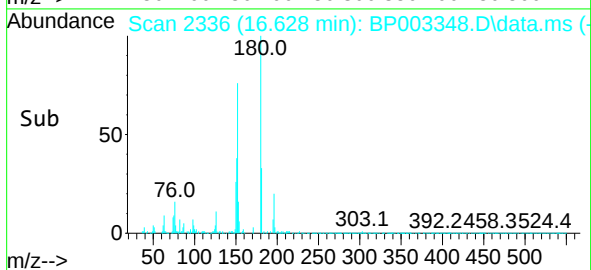
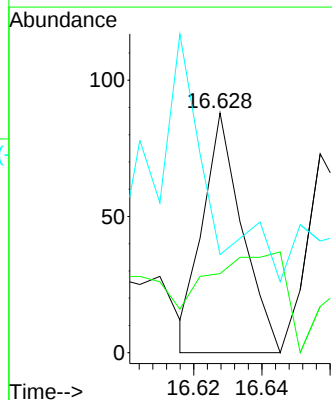
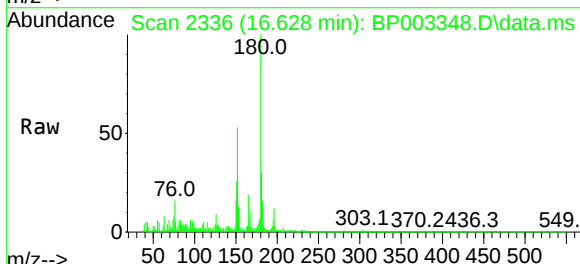
Instrument :
BNA_P
ClientSampleId :
BU-02-092120

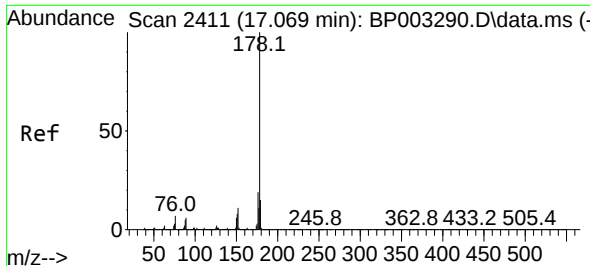
Tgt Ion:188 Resp: 1007558
Ion Ratio Lower Upper
188 100
94 8.8 6.2 9.2
80 9.3 6.2 9.2#



#70
Pentachlorophenol
Concen: 6.78 ng
RT: 16.628 min Scan# 2336
Delta R.T. -0.012 min
Lab File: BP003348.D
Acq: 22 Sep 2020 20:19

Tgt Ion:266 Resp: 70
Ion Ratio Lower Upper
266 100
268 33.0 51.1 76.7#
264 40.9 50.6 76.0#

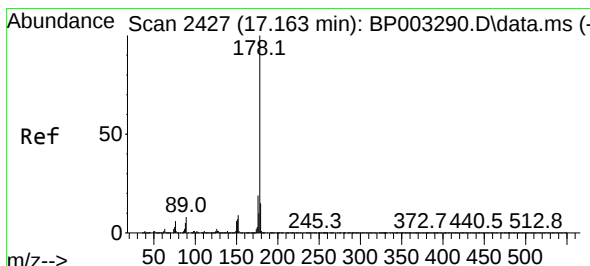
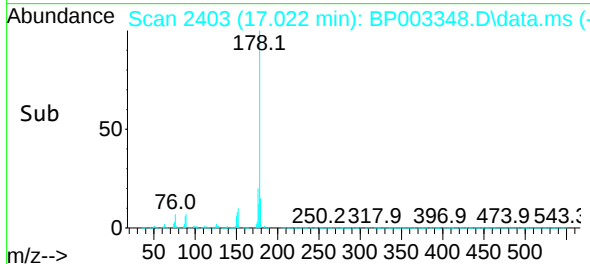
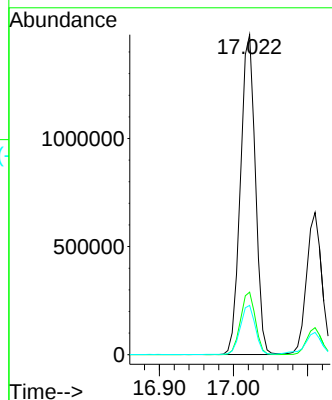
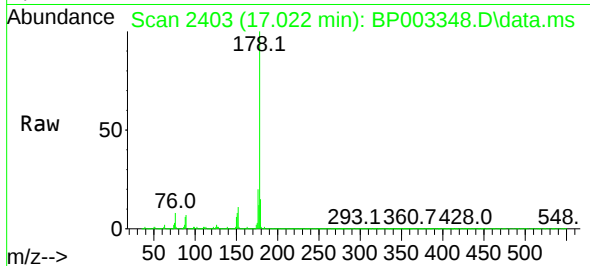




#71
Phenanthrene
Concen: 37.73 ng
RT: 17.022 min Scan# 2403
Delta R.T. 0.006 min
Lab File: BP003348.D
Acq: 22 Sep 2020 20:19

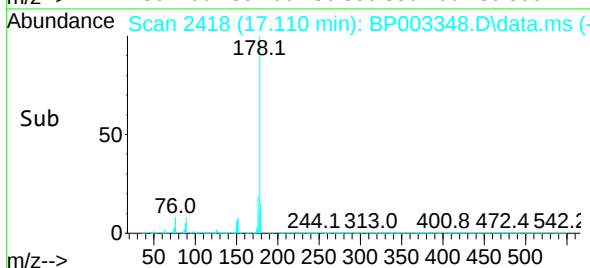
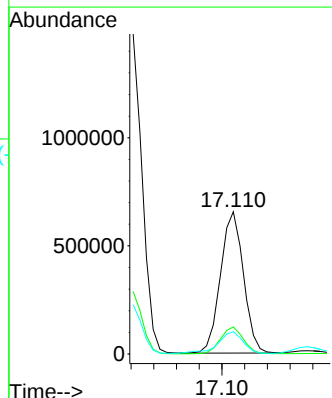
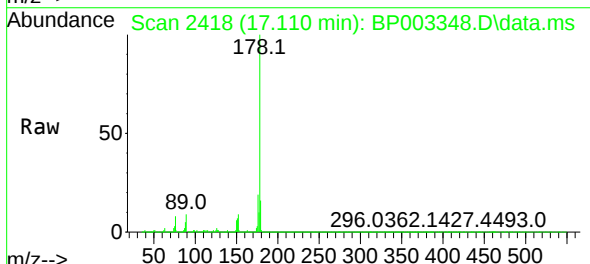
Instrument :
BNA_P
ClientSampleId :
BU-02-092120

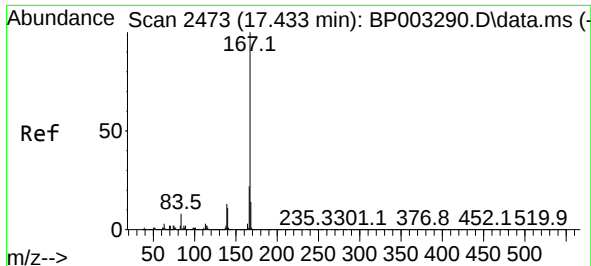
Tgt Ion:178 Resp: 2068280
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 15.4 12.5 18.7



#72
Anthracene
Concen: 17.05 ng
RT: 17.110 min Scan# 2418
Delta R.T. 0.006 min
Lab File: BP003348.D
Acq: 22 Sep 2020 20:19

Tgt Ion:178 Resp: 921026
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.4
179 15.6 12.5 18.7

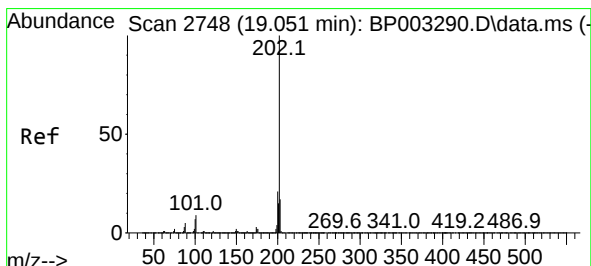
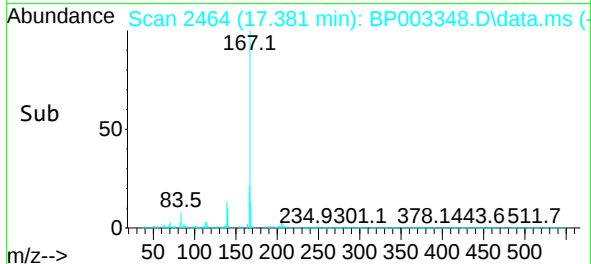
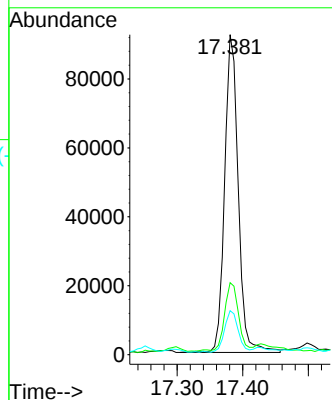
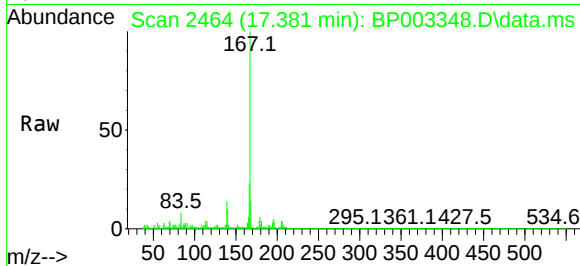




#73
 Carbazole
 Concen: 2.57 ng
 RT: 17.381 min Scan# 2464
 Delta R.T. 0.000 min
 Lab File: BP003348.D
 Acq: 22 Sep 2020 20:19

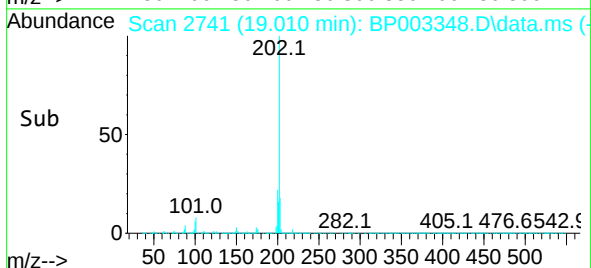
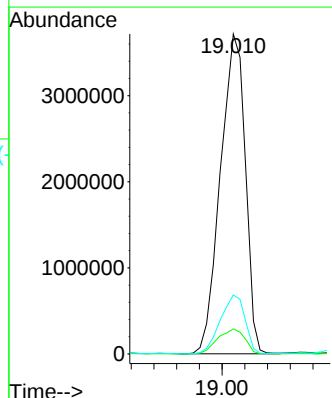
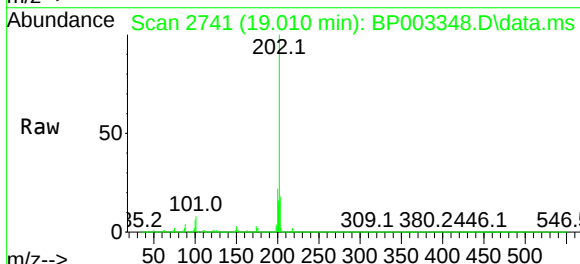
Instrument :
 BNA_P
 ClientSampleId :
 BU-02-092120

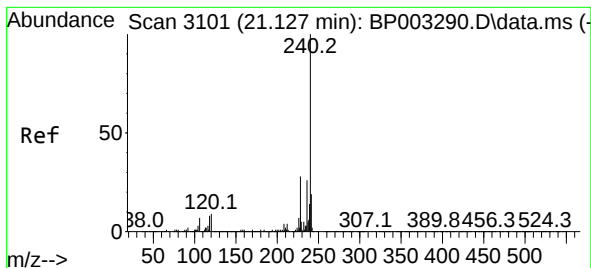
Tgt Ion:167	Resp: 132111
Ion Ratio	Lower Upper
167	100
166	22.5 17.6 26.4
139	13.7 10.2 15.4



#75
 Fluoranthene
 Concen: 82.01 ng
 RT: 19.010 min Scan# 2741
 Delta R.T. 0.012 min
 Lab File: BP003348.D
 Acq: 22 Sep 2020 20:19

Tgt Ion:202	Resp: 5652888
Ion Ratio	Lower Upper
202	100
101	7.8 0.0 29.4
203	18.4 0.0 37.8





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.080 min Scan# 3093

Delta R.T. 0.012 min

Lab File: BP003348.D

Acq: 22 Sep 2020 20:19

Instrument :

BNA_P

ClientSampleId :

BU-02-092120

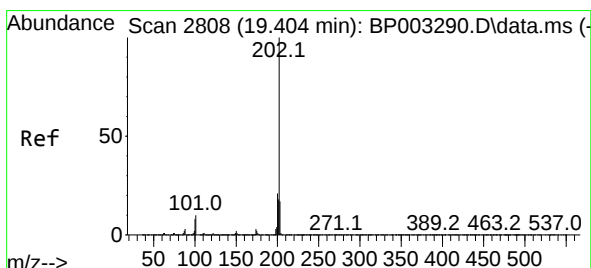
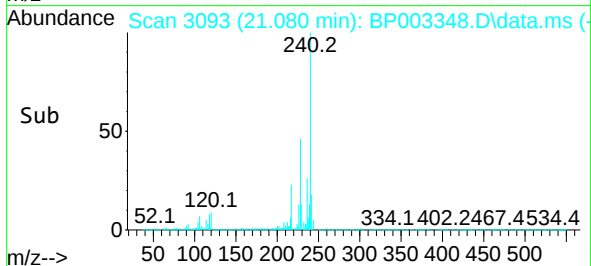
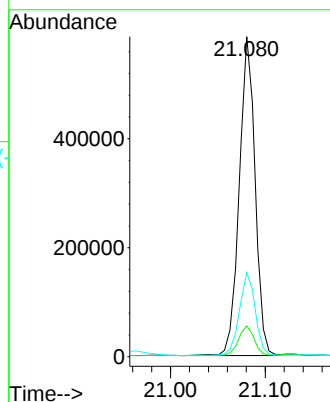
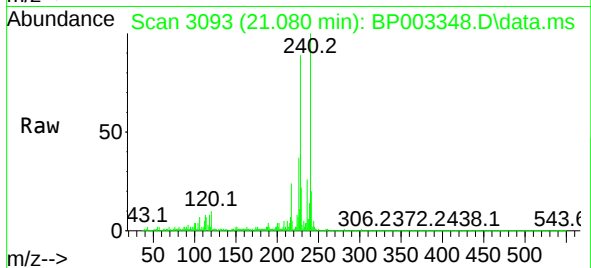
Tgt Ion:240 Resp: 680720

Ion Ratio Lower Upper

240 100

120 9.7 7.8 11.6

236 26.3 20.8 31.2



#78

Pyrene

Concen: 118.39 ng

RT: 19.363 min Scan# 2801

Delta R.T. 0.012 min

Lab File: BP003348.D

Acq: 22 Sep 2020 20:19

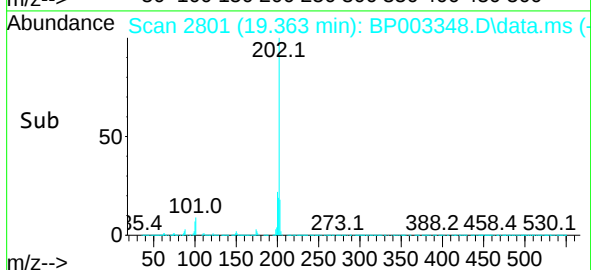
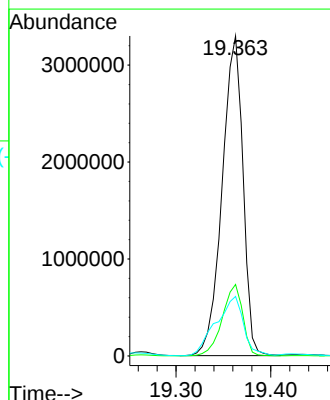
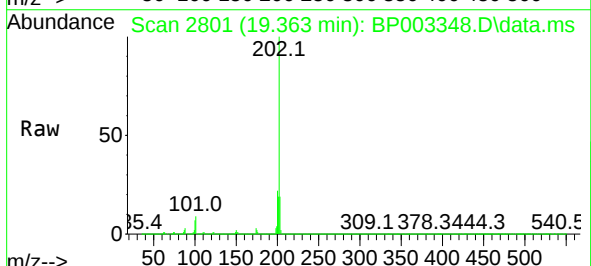
Tgt Ion:202 Resp: 5025888

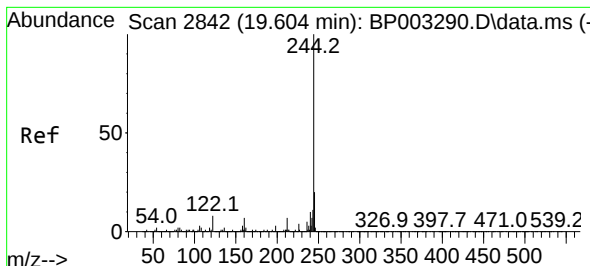
Ion Ratio Lower Upper

202 100

200 22.3 17.1 25.7

203 18.6 14.2 21.2





#79

Terphenyl-d14

Concen: 39.46 ng

RT: 19.557 min Scan# 2834

Delta R.T. 0.006 min

Lab File: BP003348.D

Acq: 22 Sep 2020 20:19

Instrument :

BNA_P

ClientSampleId :

BU-02-092120

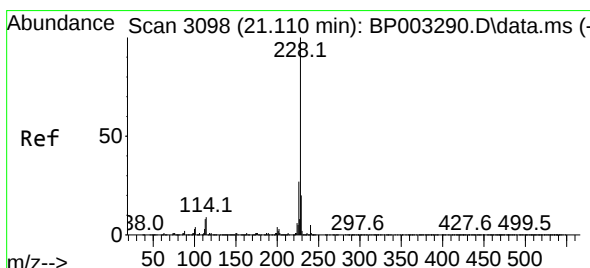
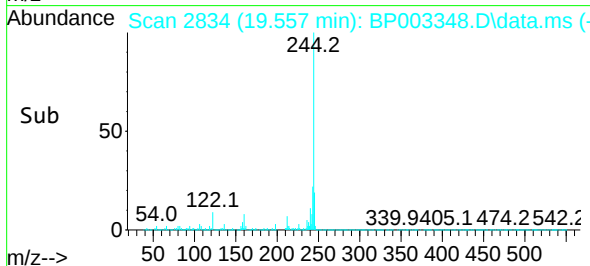
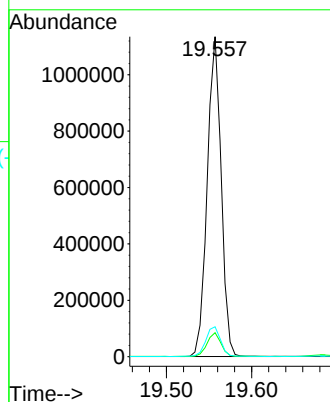
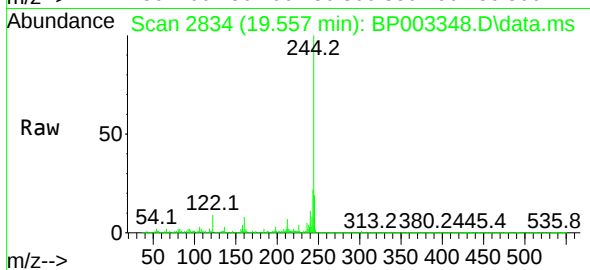
Tgt Ion:244 Resp: 1289291

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: 67.47 ng

RT: 21.063 min Scan# 3090

Delta R.T. 0.006 min

Lab File: BP003348.D

Acq: 22 Sep 2020 20:19

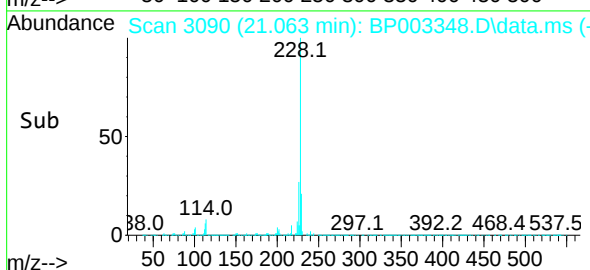
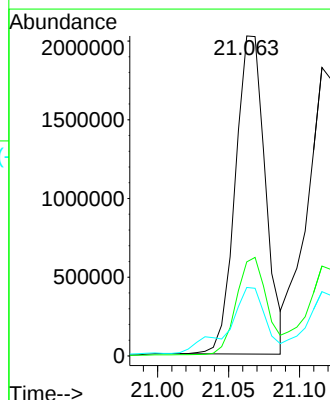
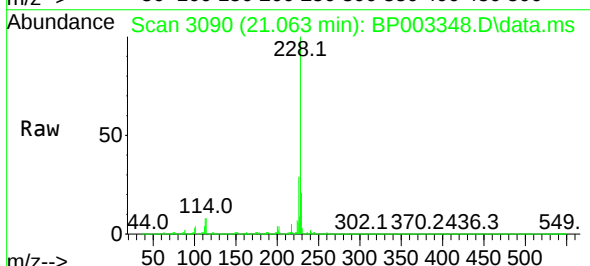
Tgt Ion:228 Resp: 2968898

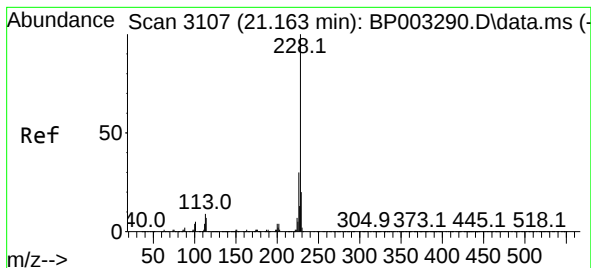
Ion Ratio Lower Upper

228 100

226 29.4 22.1 33.1

229 21.4 15.9 23.9





#83

Chrysene

Concen: 64.54 ng

RT: 21.116 min Scan# 3099

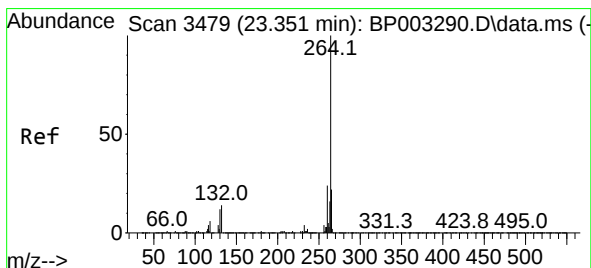
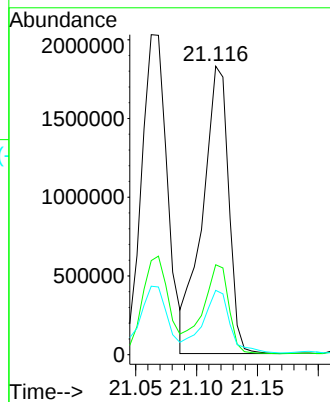
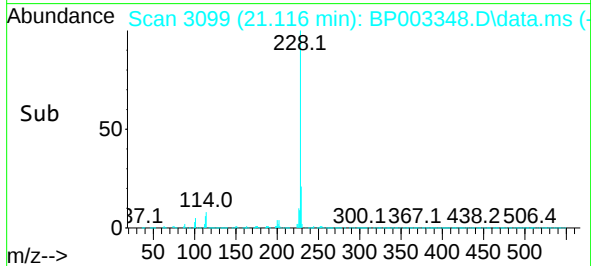
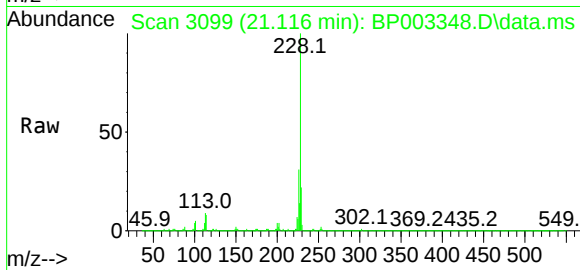
Delta R.T. 0.012 min

Lab File: BP003348.D

Acq: 22 Sep 2020 20:19

Tgt Ion:228 Resp: 2728412

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.4	36.6
229	22.3	15.8	23.6



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.280 min Scan# 3467

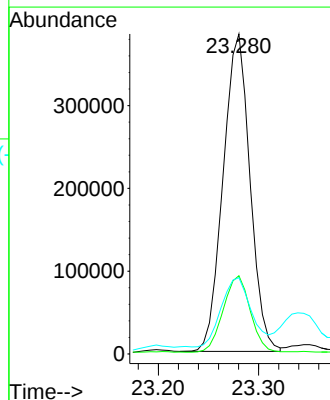
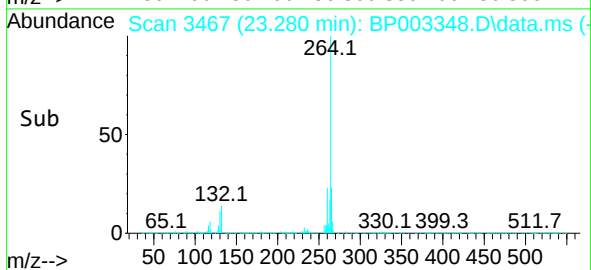
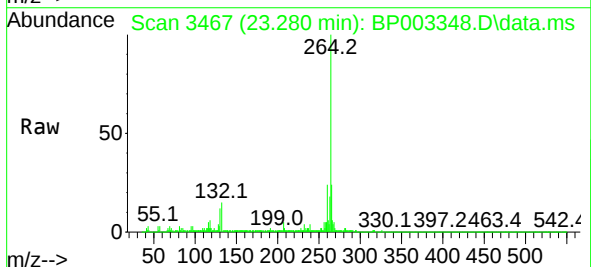
Delta R.T. 0.018 min

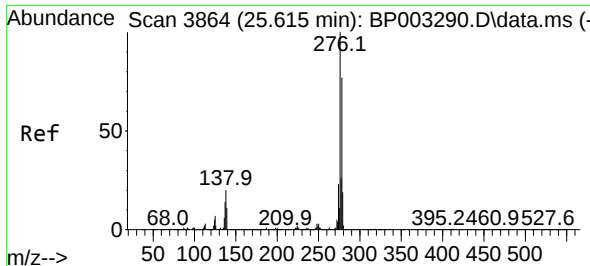
Lab File: BP003348.D

Acq: 22 Sep 2020 20:19

Tgt Ion:264 Resp: 714142

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.8	28.2
265	23.9	17.4	26.2

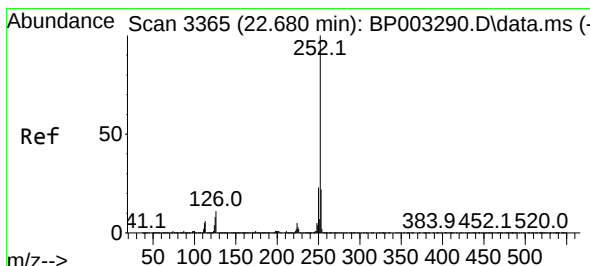
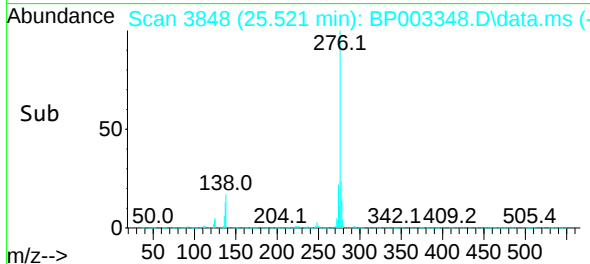
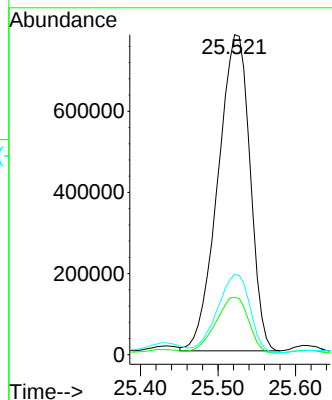
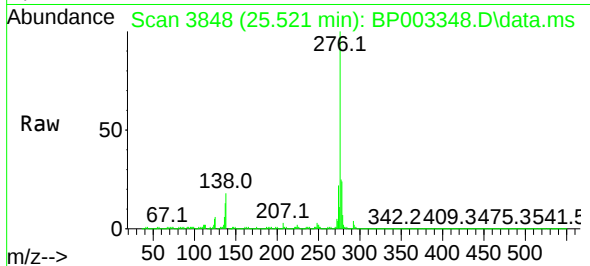




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.48 ng
RT: 25.521 min Scan# 3848
Delta R.T. 0.030 min
Lab File: BP003348.D
Acq: 22 Sep 2020 20:19

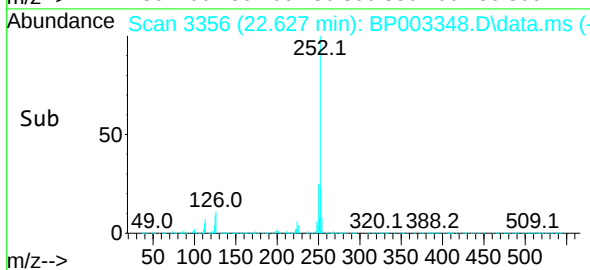
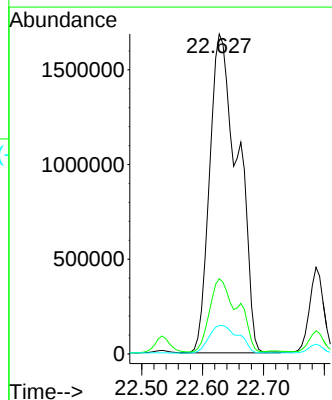
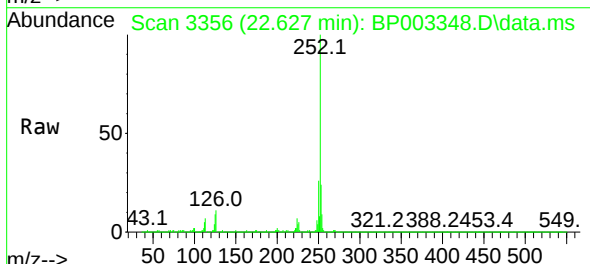
Instrument :
BNA_P
ClientSampleId :
BU-02-092120

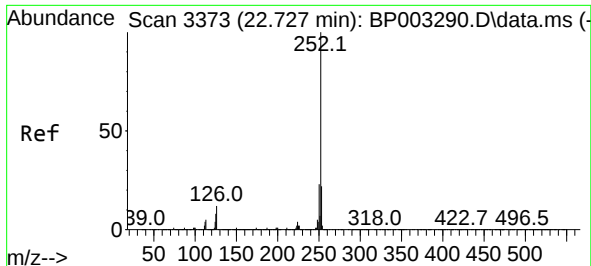
Tgt Ion:276 Resp: 2245203
Ion Ratio Lower Upper
276 100
138 18.1 18.7 28.1#
277 25.1 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 120.73 ng
RT: 22.627 min Scan# 3356
Delta R.T. 0.024 min
Lab File: BP003348.D
Acq: 22 Sep 2020 20:19

Tgt Ion:252 Resp: 5444667
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 8.9 7.3 10.9

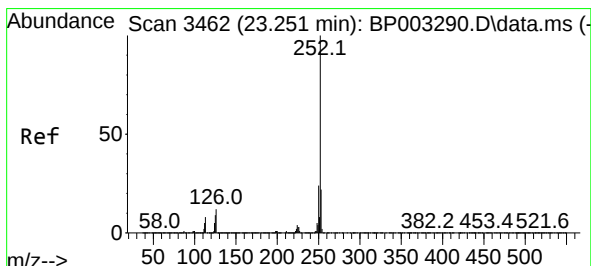
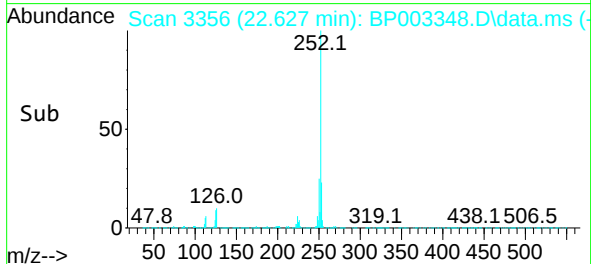
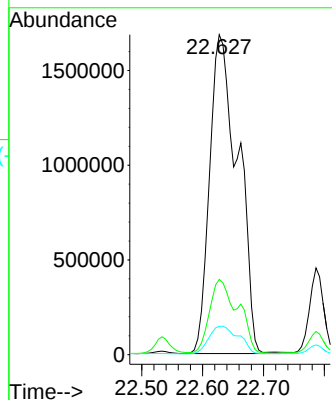
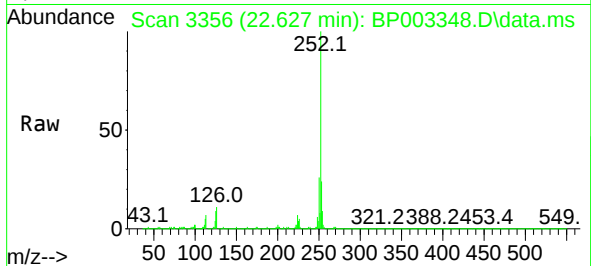




#89
Benzo(k)fluoranthene
Concen: 125.97 ng
RT: 22.627 min Scan# 3356
Delta R.T. -0.023 min
Lab File: BP003348.D
Acq: 22 Sep 2020 20:19

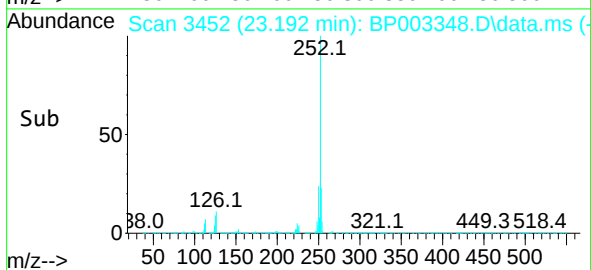
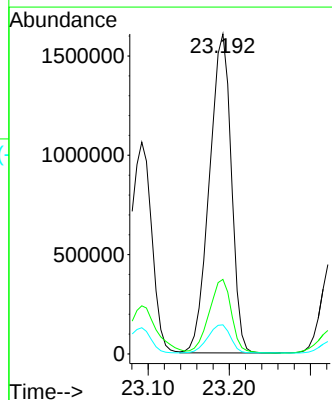
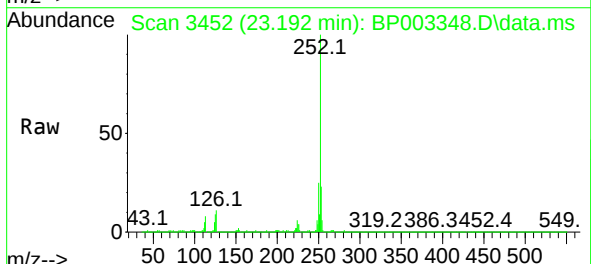
Instrument :
BNA_P
ClientSampleId :
BU-02-092120

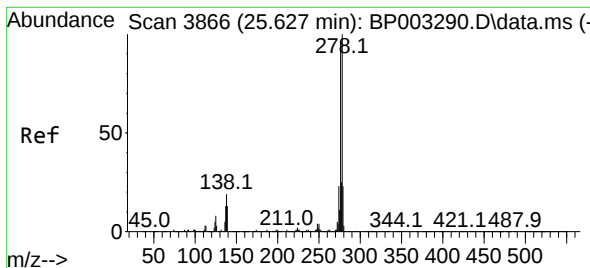
Tgt Ion:252 Resp: 5444667
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 8.9 7.4 11.2



#90
Benzo(a)pyrene
Concen: 70.52 ng
RT: 23.192 min Scan# 3452
Delta R.T. 0.024 min
Lab File: BP003348.D
Acq: 22 Sep 2020 20:19

Tgt Ion:252 Resp: 2999007
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 9.1 8.2 12.4





#91

Dibenzo(a,h)anthracene

Concen: 10.25 ng

RT: 25.762 min Scan# 3889

Delta R.T. 0.265 min

Lab File: BP003348.D

Acq: 22 Sep 2020 20:19

Instrument :

BNA_P

ClientSampleId :

BU-02-092120

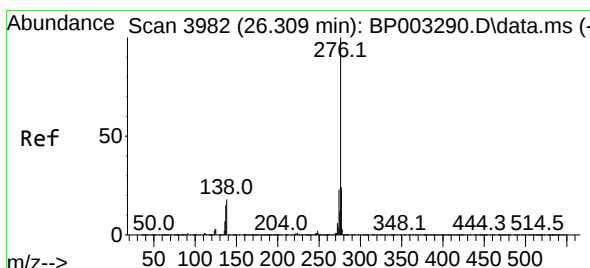
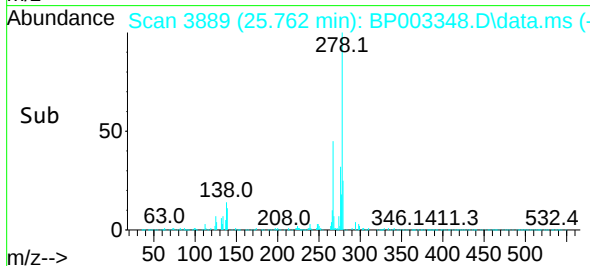
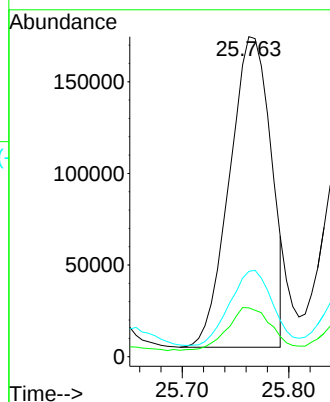
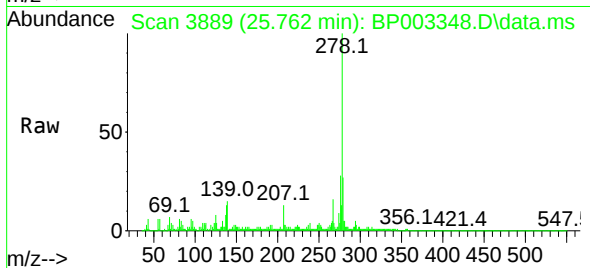
Tgt Ion:278 Resp: 457779

Ion Ratio Lower Upper

278 100

139 15.2 12.4 18.6

279 26.7 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 48.03 ng

RT: 26.210 min Scan# 3965

Delta R.T. 0.047 min

Lab File: BP003348.D

Acq: 22 Sep 2020 20:19

Tgt Ion:276 Resp: 2141889

Ion Ratio Lower Upper

276 100

277 24.7 19.0 28.6

138 18.2 16.6 24.8

