

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP060120\
 Data File : BP002345.D
 Acq On : 01 Jun 2020 18:34
 Operator : CG/JU
 Sample : L2798-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jun 01 19:06:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP052720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 15:09:03 2020
 Response via : Initial Calibration

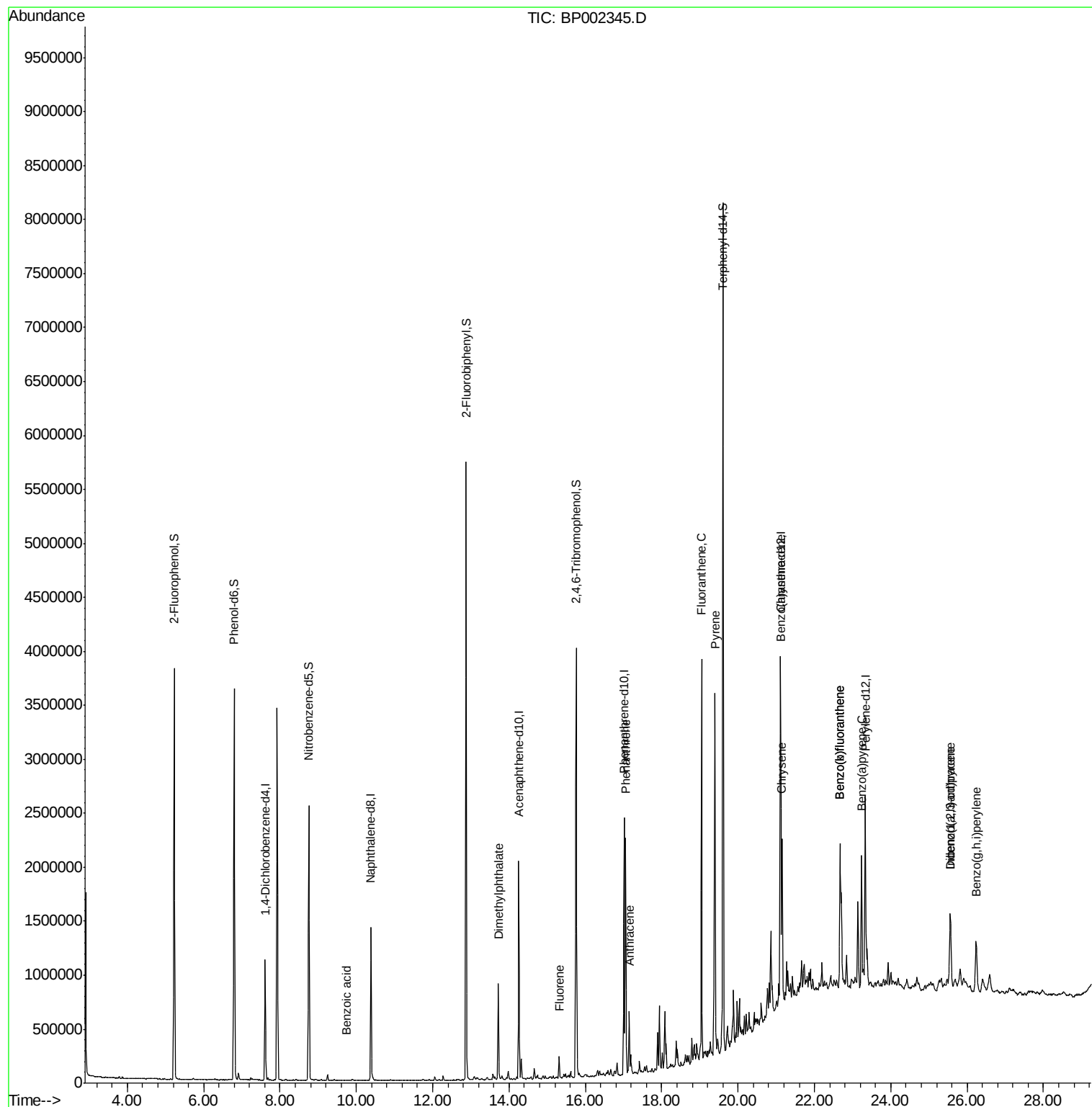
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	289214	20.00	ng	0.00
21) Naphthalene-d8	10.38	136	1167275	20.00	ng	0.00
39) Acenaphthene-d10	14.26	164	681811	20.00	ng	0.00
64) Phenanthrene-d10	17.02	188	1406233	20.00	ng	0.00
76) Chrysene-d12	21.12	240	1206532	20.00	ng	0.01
86) Perylene-d12	23.33	264	1231714	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	1612860	104.74	ng	0.00
7) Phenol-d6	6.80	99	2079949	99.29	ng	0.00
23) Nitrobenzene-d5	8.75	82	1472771	75.86	ng	0.00
42) 2,4,6-Tribromophenol	15.76	330	729552	112.90	ng	0.00
45) 2-Fluorobiphenyl	12.87	172	3068615	79.42	ng	0.00
79) Terphenyl-d14	19.60	244	3832924	76.93	ng	0.00
Target Compounds						
32) Benzoic acid	9.75	122	134	4.820	ng	Qvalue # 10
50) Dimethylphthalate	13.72	163	564902	12.240	ng	100
58) Fluorene	15.31	166	88785	2.155	ng	95
71) Phenanthrene	17.06	178	1311150	19.684	ng	99
72) Anthracene	17.15	178	327849	5.002	ng	99
75) Fluoranthene	19.04	202	2119570	27.627	ng	99
78) Pyrene	19.39	202	1966142	26.170	ng	99
81) Benzo(a)anthracene	21.10	228	981929	14.217	ng	100
83) Chrysene	21.16	228	825311	12.451	ng	98
87) Indeno(1,2,3-cd)pyrene	25.56	276	564317	7.402	ng	98
88) Benzo(b)fluoranthene	22.67	252	1131314	16.847	ng	# 97
89) Benzo(k)fluoranthene	22.67	252	1131314	17.556	ng	# 97
90) Benzo(a)pyrene	23.23	252	868925	13.949	ng	# 97
91) Dibenzo(a,h)anthracene	25.56	278	141680	2.279	ng	# 83
92) Benzo(a,h,i)perylene	26.23	276	555044	8.754	ng	# 93

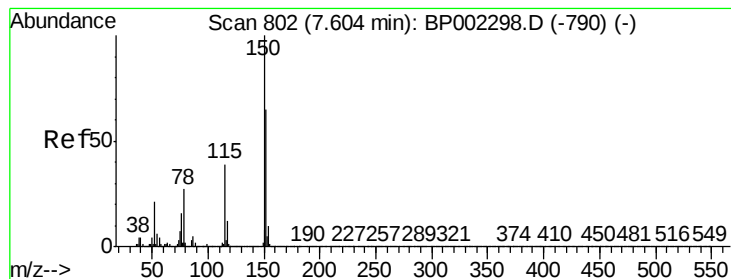
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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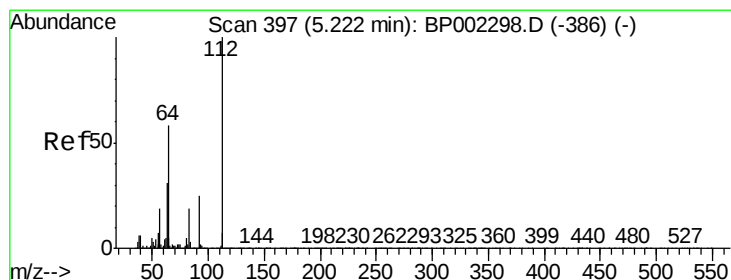
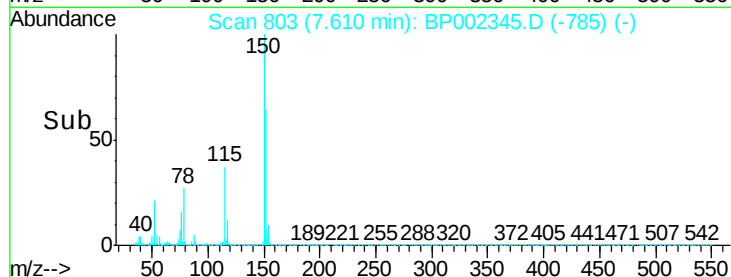
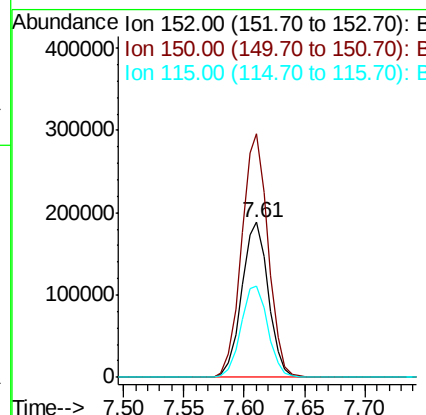
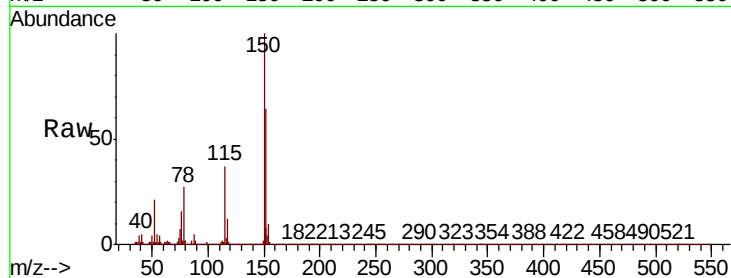


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.61 min Scan# 803
Delta R.T. 0.01 min
Lab File: BP002345.D
Acq: 01 Jun 2020 18:34

Instrument :
BNA_P
ClientSampleId :

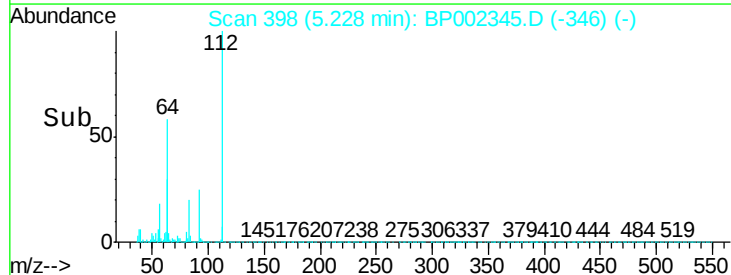
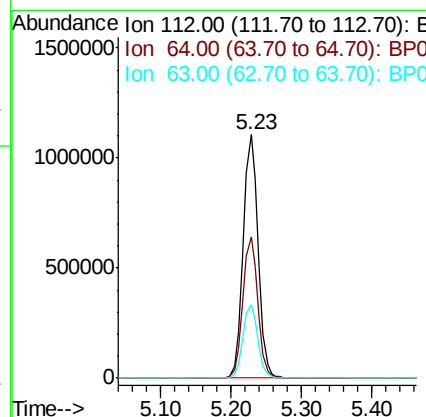
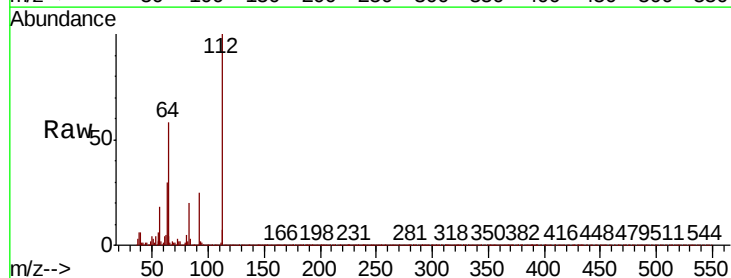
Tot Ion	152	Resp	289214
Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.7	187.1
115	58.9	49.4	74.2

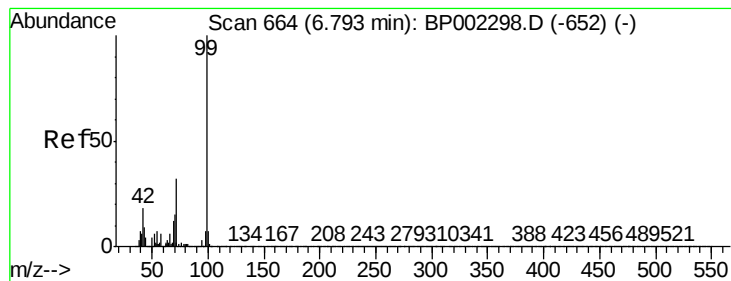


#5

2-Fluorophenol
Concen: 104.738 ng
RT: 5.23 min Scan# 398
Delta R.T. 0.01 min
Lab File: BP002345.D
Acq: 01 Jun 2020 18:34

Tgt Ion	112	Resp	1612860
Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.0	70.4
63	29.9	24.0	36.0





#7

Phenol-d6

Concen: 99.292 ng

RT: 6.80 min Scan# 665

Delta R.T. 0.01 min

Lab File: BP002345.D

Acq: 01 Jun 2020 18:34

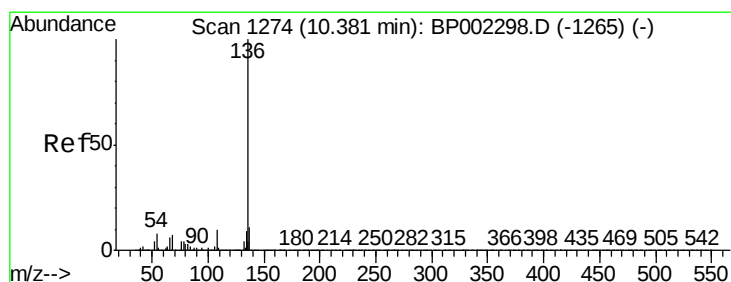
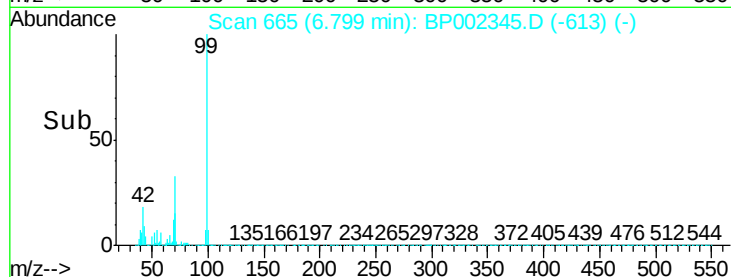
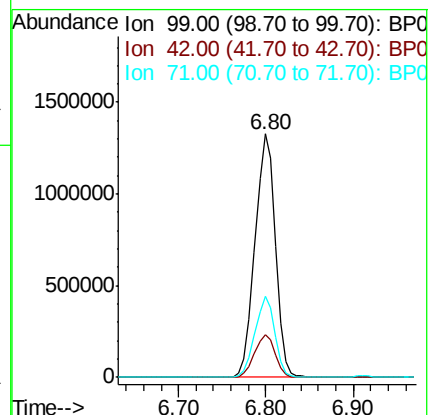
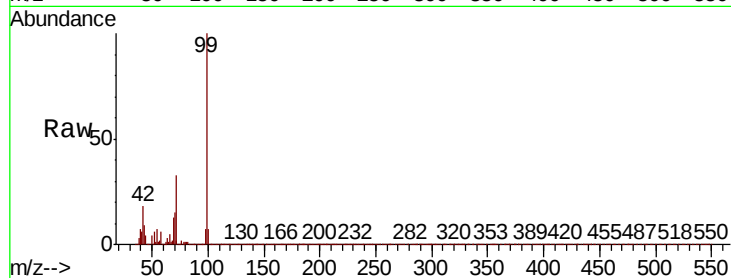
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 2079949

Ion	Ratio	Lower	Upper
99	100		
42	17.6	13.9	20.9
71	33.1	25.8	38.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.38 min Scan# 1274

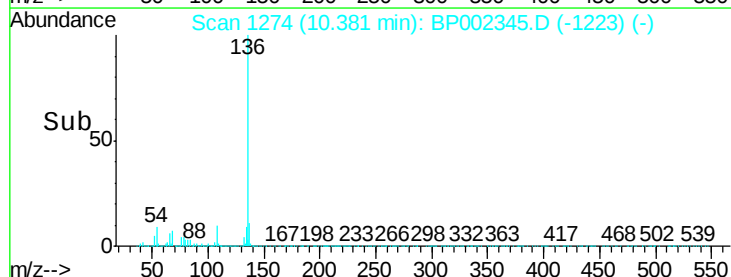
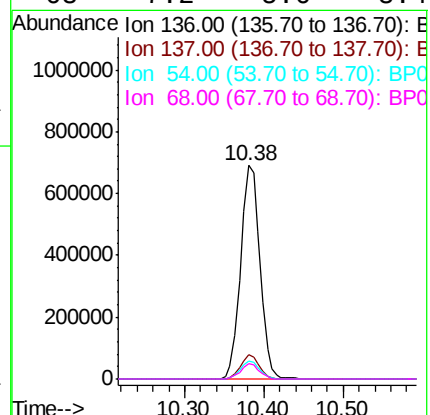
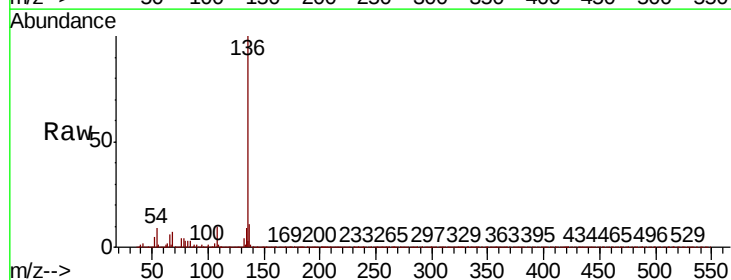
Delta R.T. -0.00 min

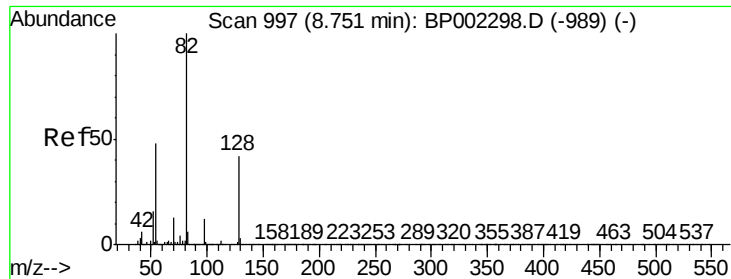
Lab File: BP002345.D

Acq: 01 Jun 2020 18:34

Tgt Ion: 136 Resp: 1167275

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.6	6.9	10.3
68	7.2	5.6	8.4

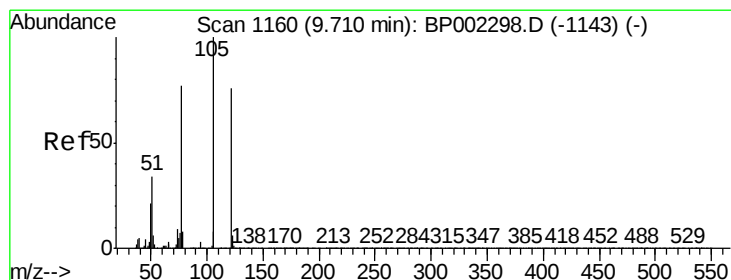
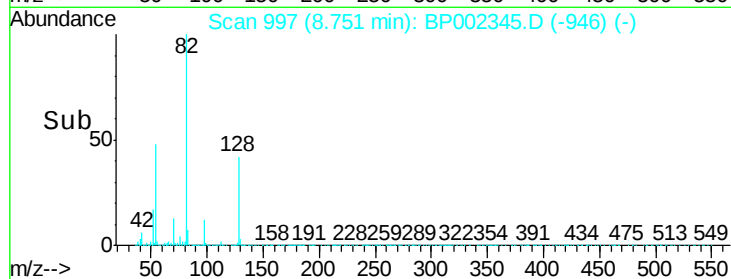
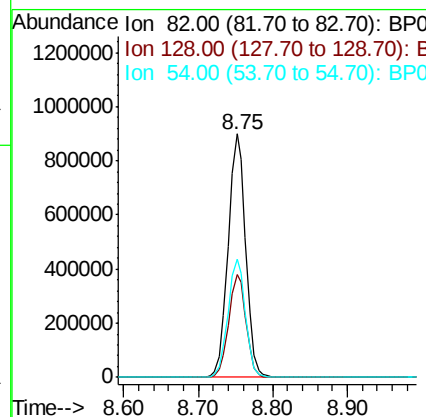
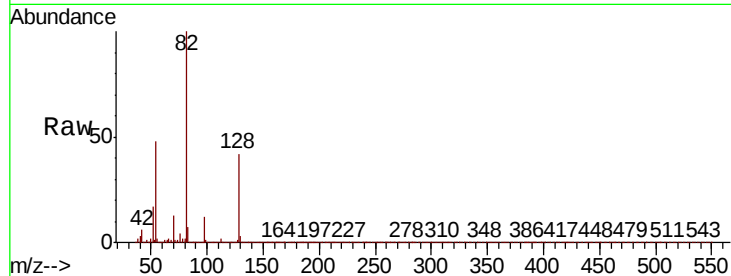




#23
 Nitrobenzene-d5
 Concen: 75.858 ng
 RT: 8.75 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: BP002345.D
 Acq: 01 Jun 2020 18:34

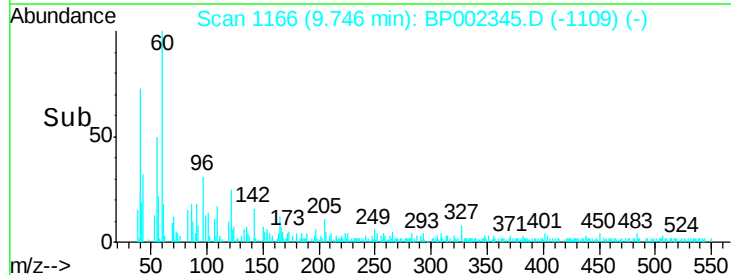
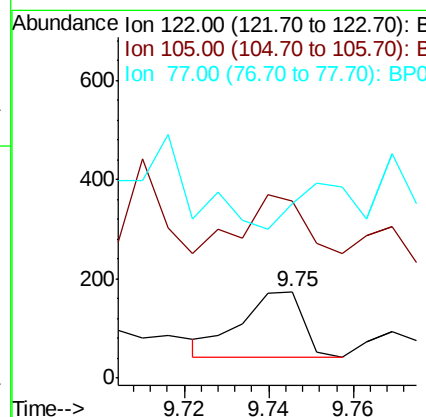
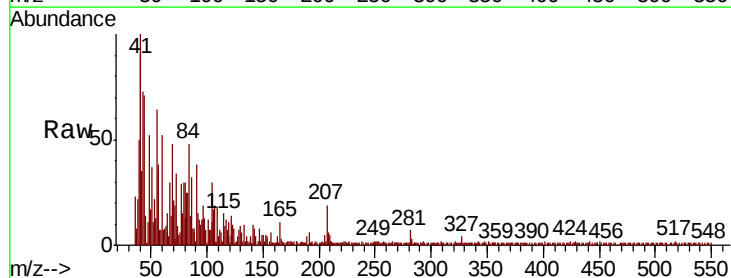
Instrument :
 BNA_P
 ClientSampleId :

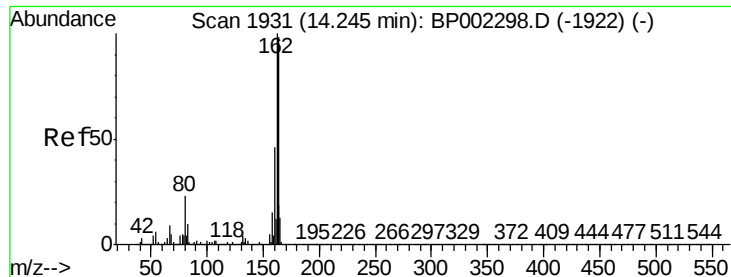
Tot Ion: 82 Resp: 1472771
 Ion Ratio Lower Upper
 82 100
 128 42.2 33.4 50.0
 54 48.4 38.3 57.5



#32
 Benzoic acid
 Concen: 4.820 ng
 RT: 9.75 min Scan# 1166
 Delta R.T. 0.04 min
 Lab File: BP002345.D
 Acq: 01 Jun 2020 18:34

Tgt Ion: 122 Resp: 134
 Ion Ratio Lower Upper
 122 100
 105 205.7 102.7 142.7#
 77 202.3 74.8 114.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.26 min Scan# 1933

Delta R.T. 0.01 min

Lab File: BP002345.D

Acq: 01 Jun 2020 18:34

Instrument :

BNA_P

ClientSampleId :

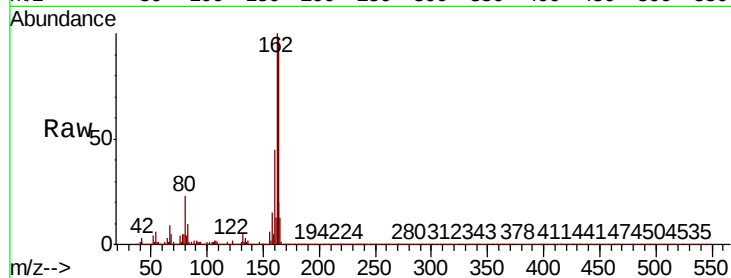
Tot Ion:164 Resp: 681811

Ion Ratio Lower Upper

164 100

162 101.7 81.3 121.9

160 45.6 37.2 55.8



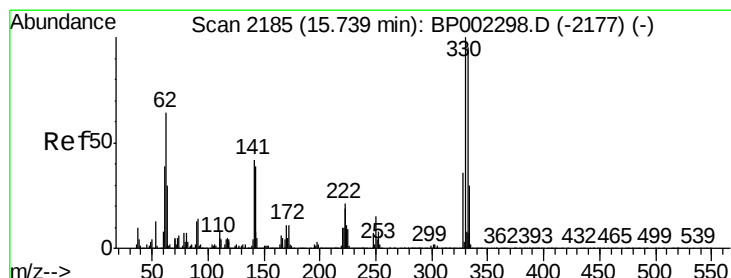
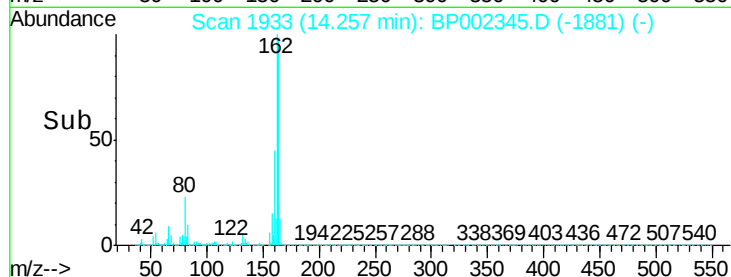
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.26

Time-->



#42

2,4,6-Tribromophenol

Concen: 112.901 ng

RT: 15.76 min Scan# 2188

Delta R.T. 0.01 min

Lab File: BP002345.D

Acq: 01 Jun 2020 18:34

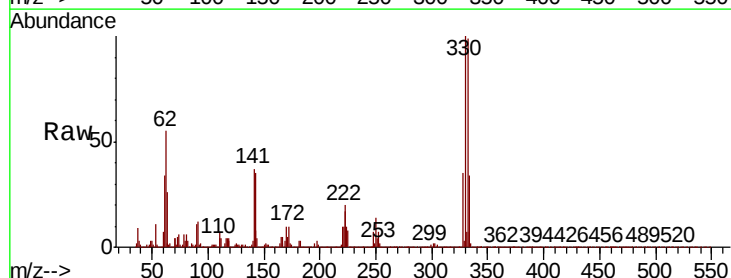
Tgt Ion:330 Resp: 729552

Ion Ratio Lower Upper

330 100

332 96.3 76.9 115.3

141 36.7 31.4 47.2



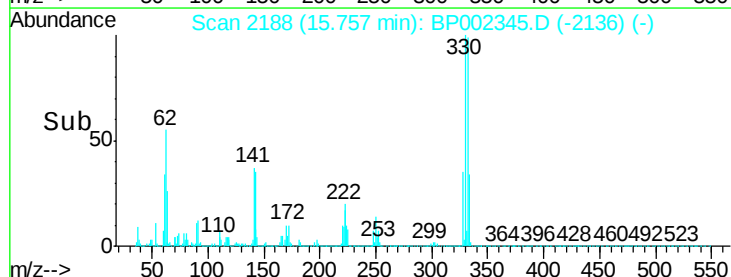
Abundance Ion 329.80 (329.50 to 330.50): E

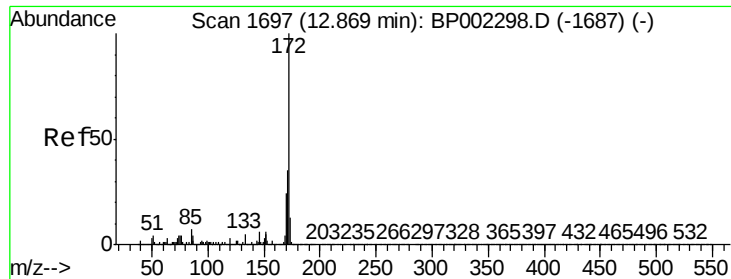
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

15.76

Time-->

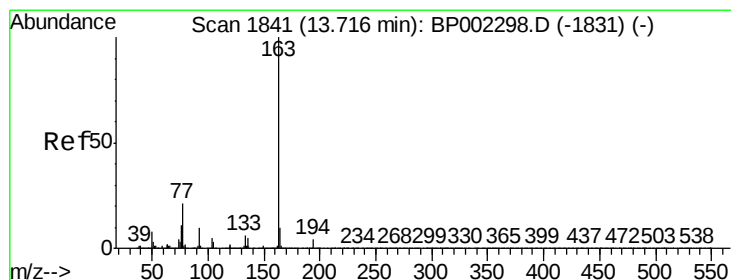
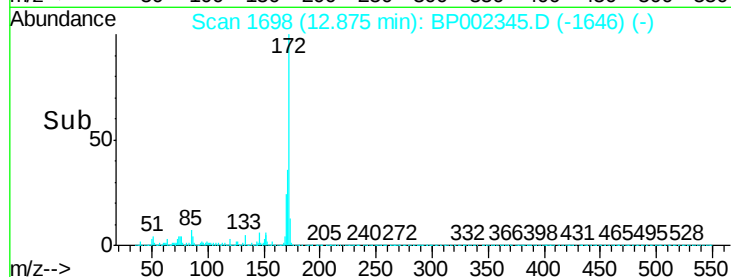
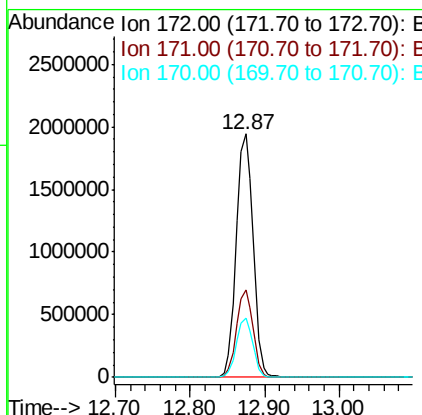
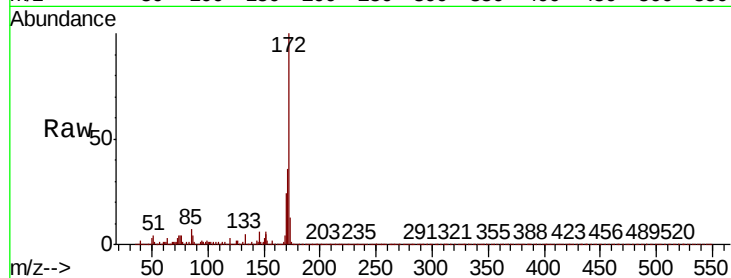




#45
2-Fluorobiphenyl
Concen: 79.416 ng
RT: 12.87 min Scan# 1698
Delta R.T. 0.01 min
Lab File: BP002345.D
Acq: 01 Jun 2020 18:34

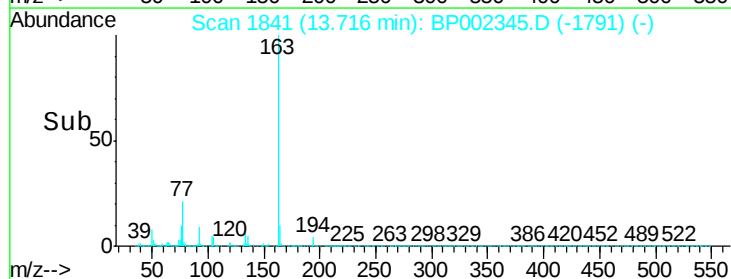
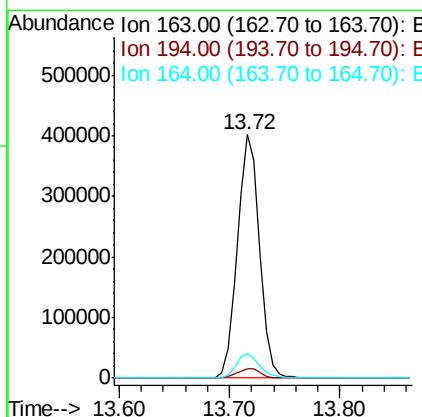
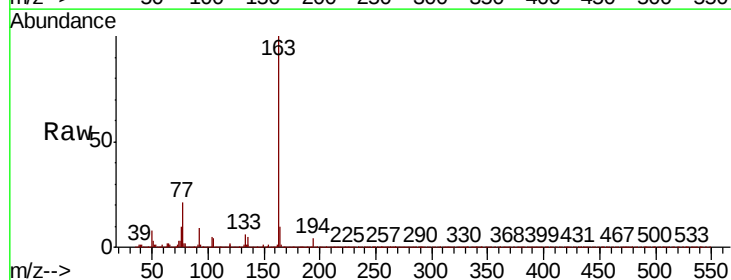
Instrument :
BNA_P
ClientSampleId :

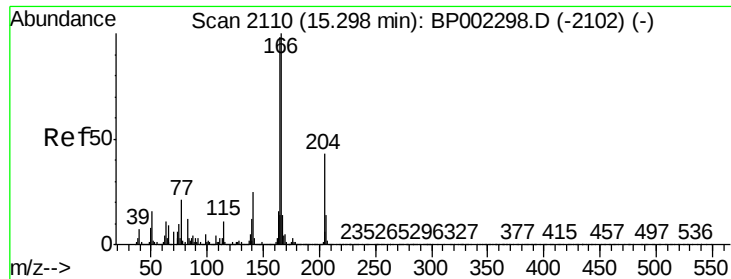
Tot Ion:172 Resp: 3068615
Ion Ratio Lower Upper
172 100
171 35.9 27.6 41.4
170 24.2 18.9 28.3



#50
Dimethylphthalate
Concen: 12.240 ng
RT: 13.72 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BP002345.D
Acq: 01 Jun 2020 18:34

Tgt Ion:163 Resp: 564902
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 10.0 8.1 12.1





#58

Fluorene

Concen: 2.155 ng

RT: 15.31 min Scan# 2112

Delta R.T. -0.00 min

Lab File: BP002345.D

Acq: 01 Jun 2020 18:34

Instrument :

BNA_P

ClientSampleId :

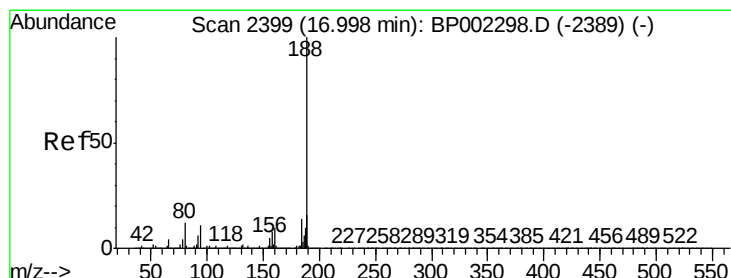
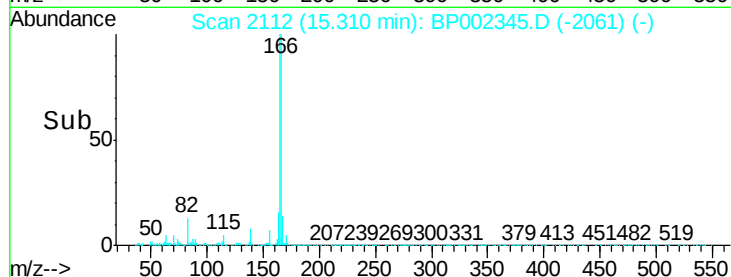
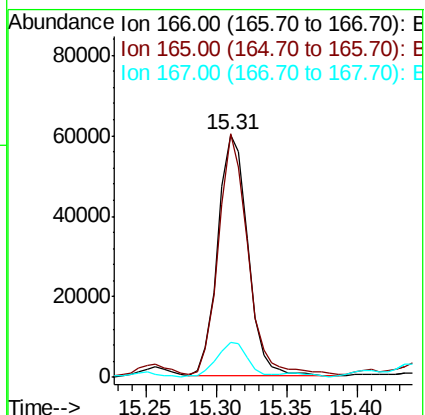
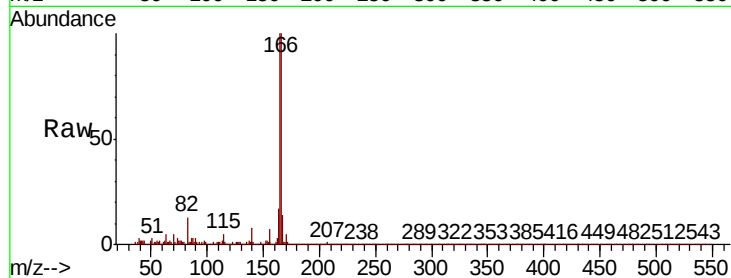
Tot Ion:166 Resp: 88785

Ion Ratio Lower Upper

166 100

165 100.5 75.8 113.8

167 14.3 10.6 16.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.02 min Scan# 2402

Delta R.T. 0.01 min

Lab File: BP002345.D

Acq: 01 Jun 2020 18:34

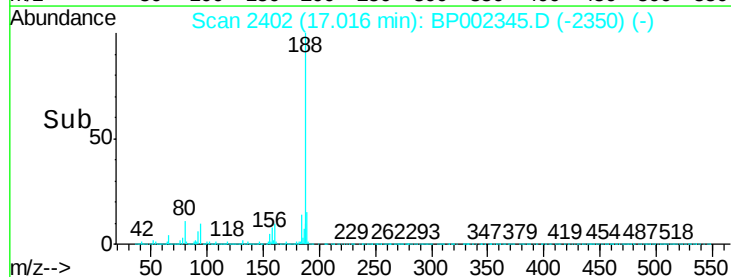
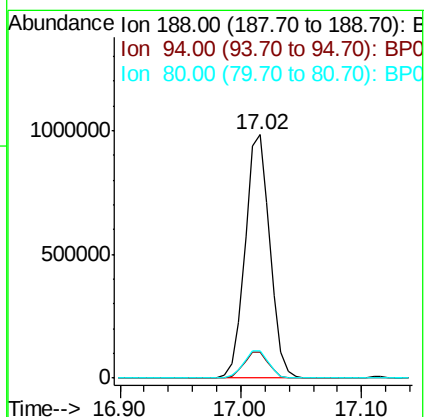
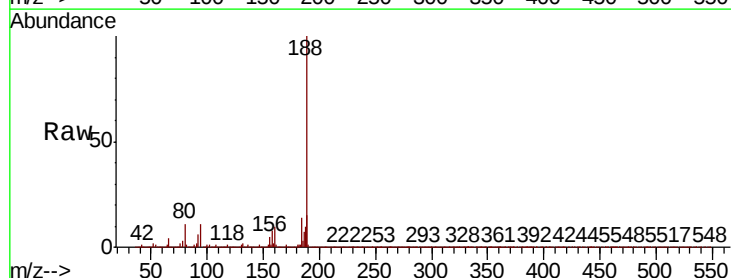
Tgt Ion:188 Resp: 1406233

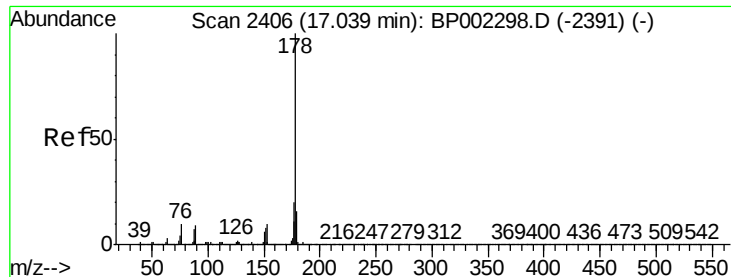
Ion Ratio Lower Upper

188 100

94 10.5 8.7 13.1

80 11.0 9.3 13.9

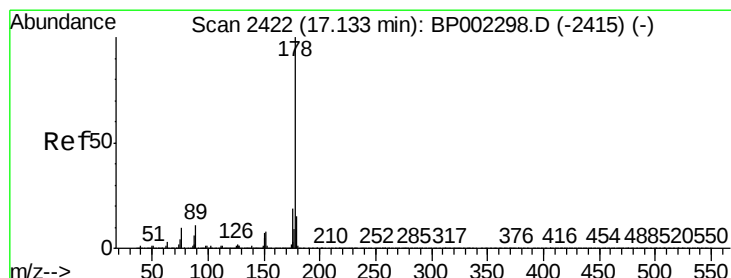
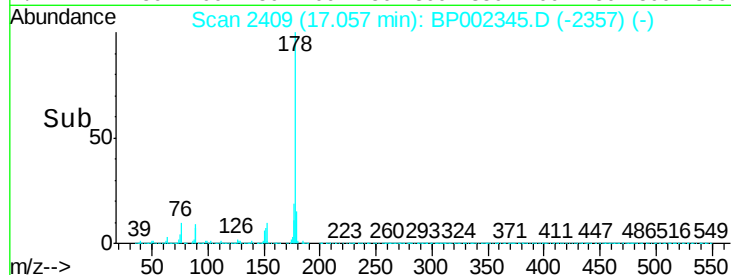
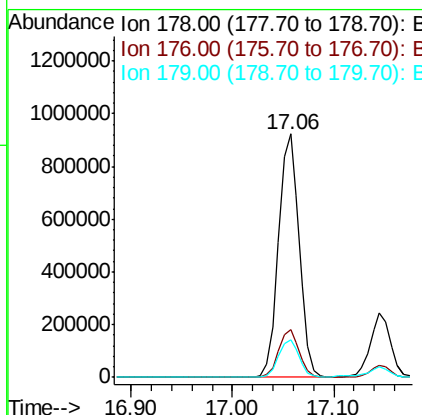
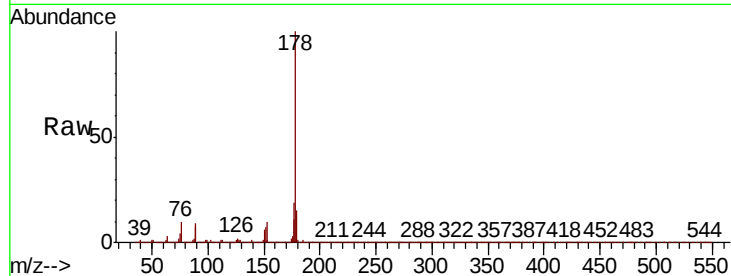




#71
Phenanthrene
Concen: 19.684 ng
RT: 17.06 min Scan# 2409
Delta R.T. 0.01 min
Lab File: BP002345.D
Acq: 01 Jun 2020 18:34

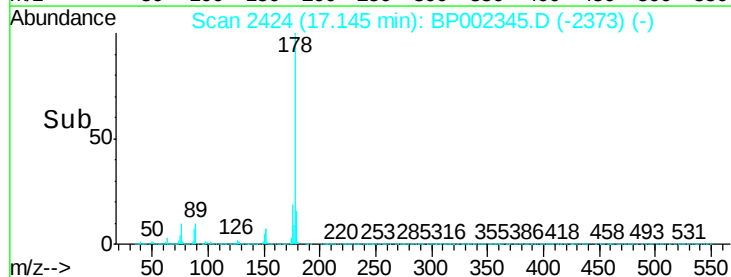
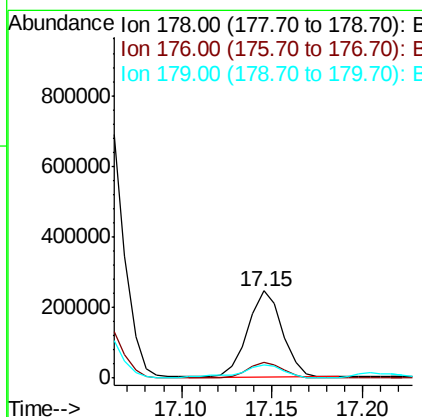
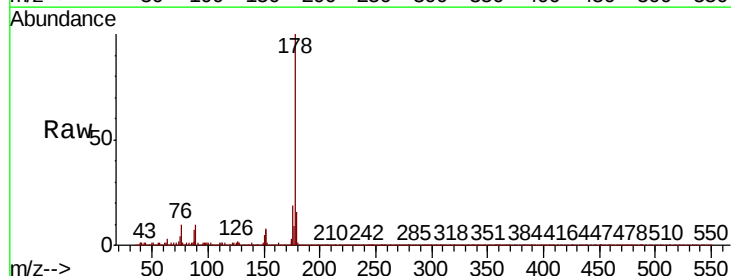
Instrument :
BNA_P
ClientSampleId :

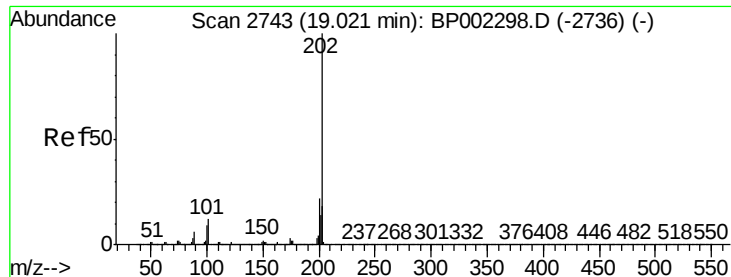
Tot Ion:178 Resp: 1311150
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.2 12.6 18.8



#72
Anthracene
Concen: 5.002 ng
RT: 17.15 min Scan# 2424
Delta R.T. -0.00 min
Lab File: BP002345.D
Acq: 01 Jun 2020 18:34

Tgt Ion:178 Resp: 327849
Ion Ratio Lower Upper
178 100
176 18.6 15.2 22.8
179 15.6 12.6 19.0





#75

Fluoranthene

Concen: 27.627 ng

RT: 19.04 min Scan# 2746

Delta R.T. 0.01 min

Lab File: BP002345.D

Acq: 01 Jun 2020 18:34

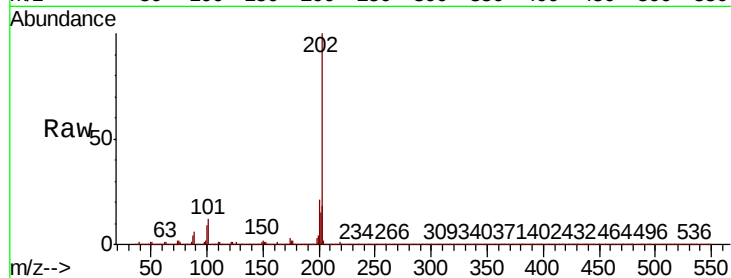
Instrument :

BNA_P

ClientSampleId :

Tot Ion:202 Resp: 2119570

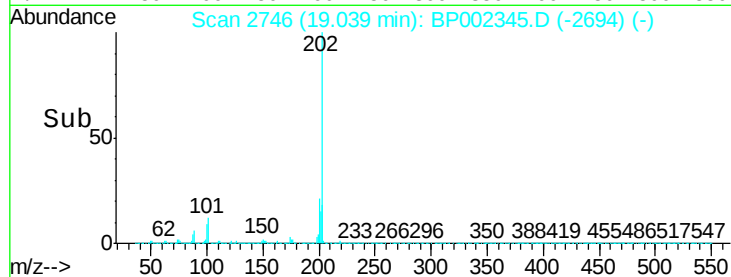
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	32.1
203	17.9	0.0	37.6



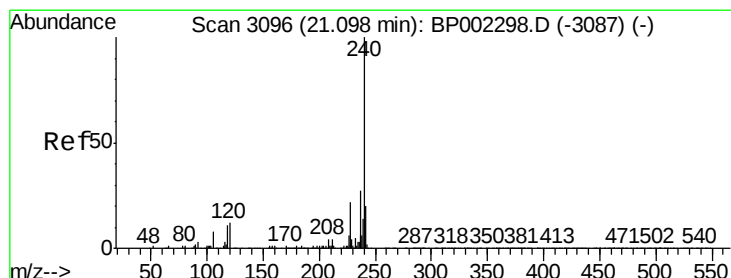
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.12 min Scan# 3100

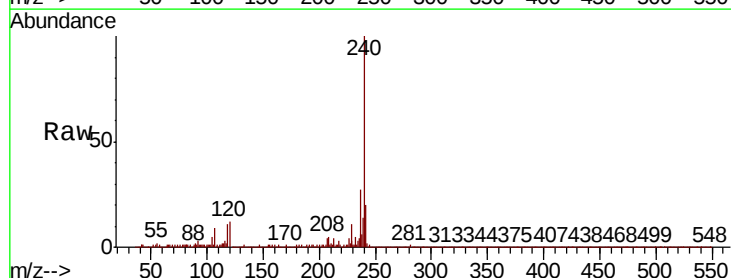
Delta R.T. 0.01 min

Lab File: BP002345.D

Acq: 01 Jun 2020 18:34

Tgt Ion:240 Resp: 1206532

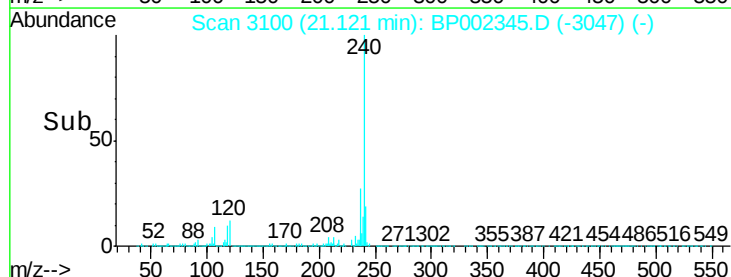
Ion	Ratio	Lower	Upper
240	100		
120	11.8	8.7	13.1
236	27.1	21.0	31.4



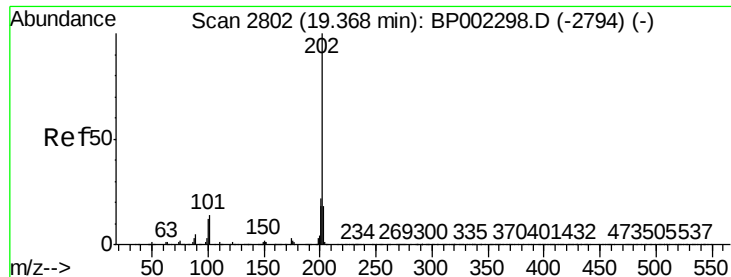
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Pvrene

Concen: 26.170 ng

RT: 19.39 min Scan# 2806

Delta R.T. 0.01 min

Lab File: BP002345.D

Acq: 01 Jun 2020 18:34

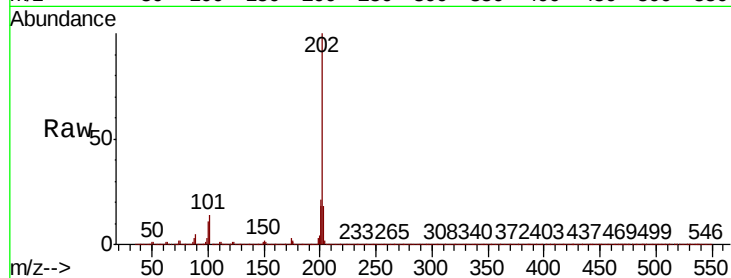
Instrument :

BNA_P

ClientSampleId :

Tot Ion:202 Resp: 1966142

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.3	25.9
203	17.7	13.8	20.6

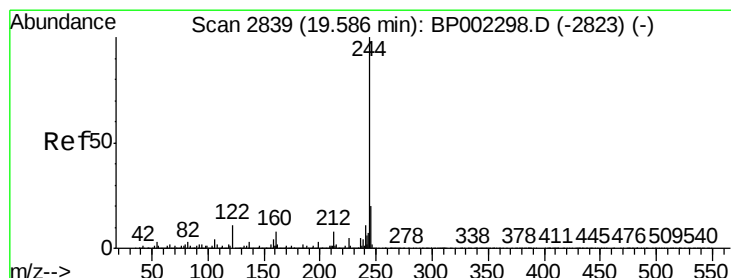
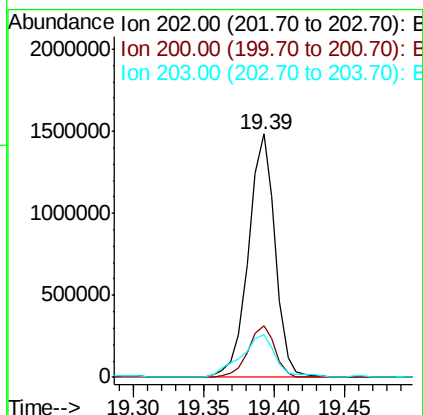
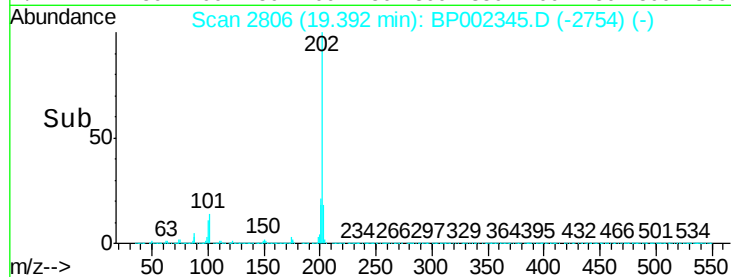


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 76.933 ng

RT: 19.60 min Scan# 2842

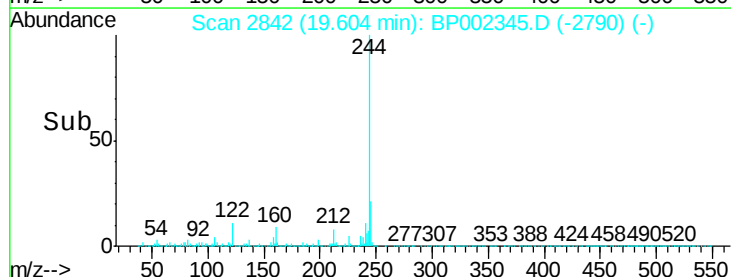
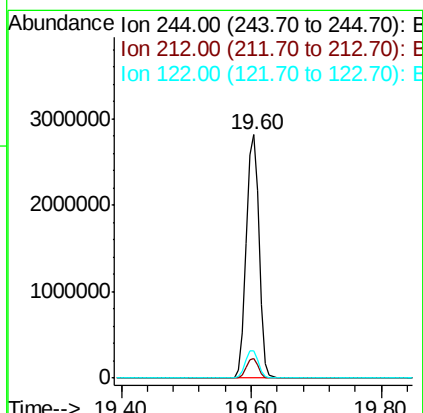
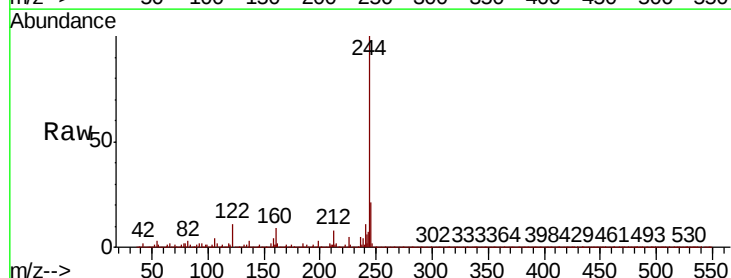
Delta R.T. 0.01 min

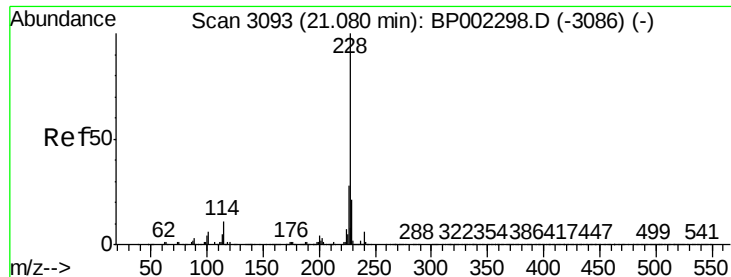
Lab File: BP002345.D

Acq: 01 Jun 2020 18:34

Tgt Ion:244 Resp: 3832924

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.4	9.6
122	11.3	9.4	14.0

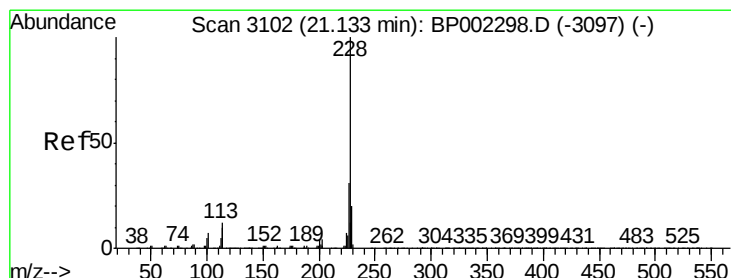
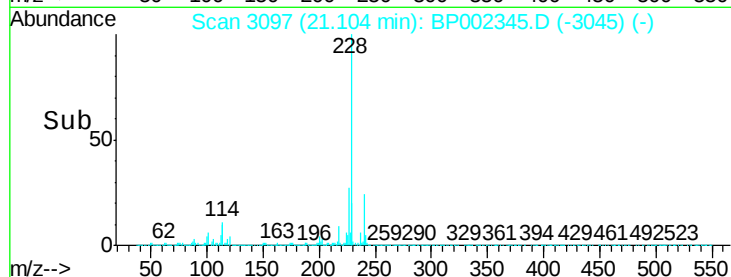
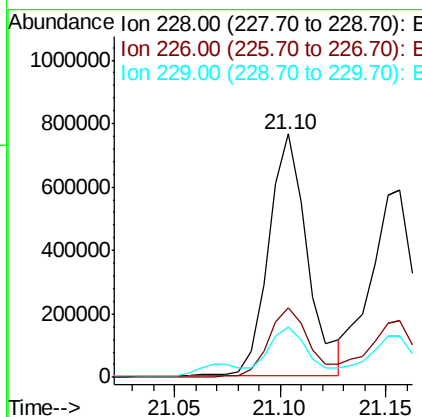
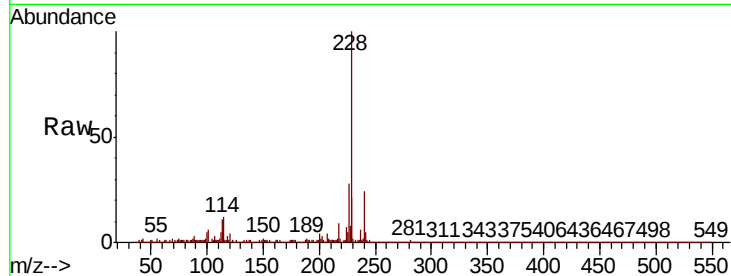




#81
Benzo(a)anthracene
Concen: 14.217 ng
RT: 21.10 min Scan# 3097
Delta R.T. 0.01 min
Lab File: BP002345.D
Acq: 01 Jun 2020 18:34

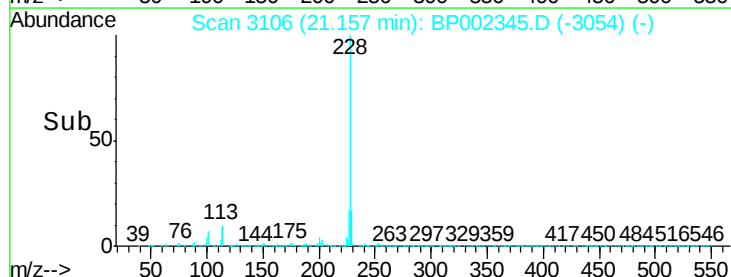
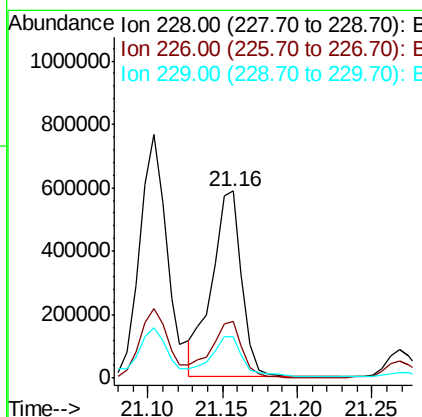
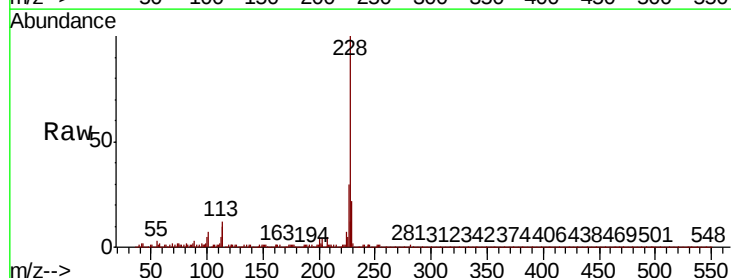
Instrument :
BNA_P
ClientSampleId :

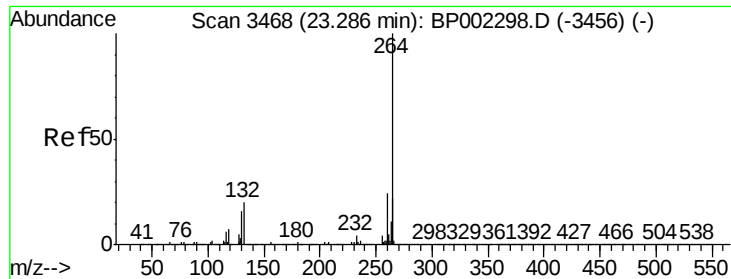
Tot Ion:228 Resp: 981929
Ion Ratio Lower Upper
228 100
226 28.4 22.7 34.1
229 20.5 16.3 24.5



#83
Chrysene
Concen: 12.451 ng
RT: 21.16 min Scan# 3106
Delta R.T. 0.01 min
Lab File: BP002345.D
Acq: 01 Jun 2020 18:34

Tgt Ion:228 Resp: 825311
Ion Ratio Lower Upper
228 100
226 30.3 25.0 37.6
229 22.0 16.2 24.4

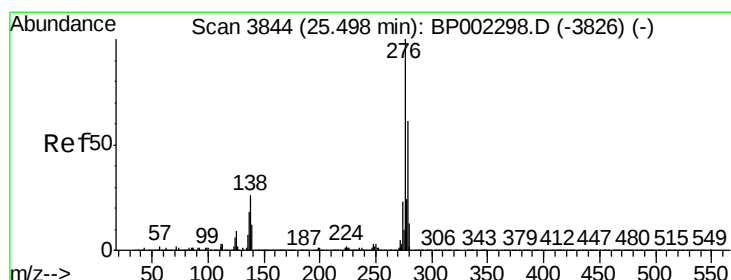
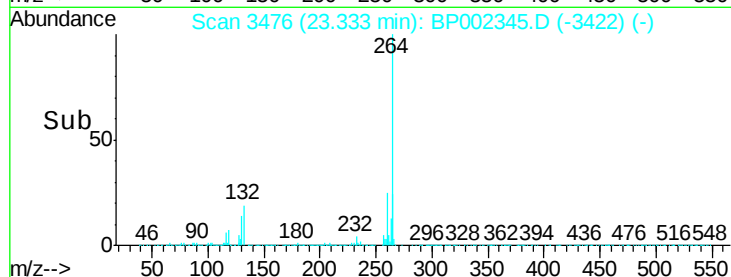
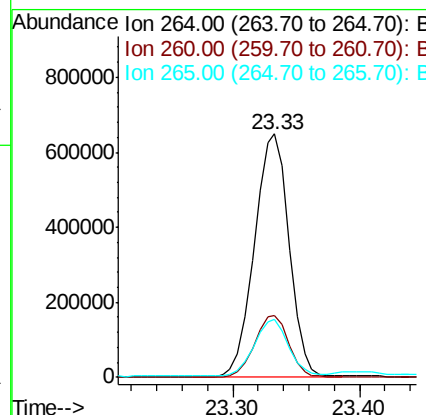
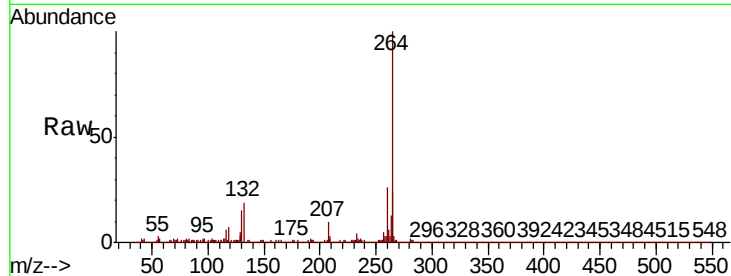




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.33 min Scan# 3476
Delta R.T. 0.02 min
Lab File: BP002345.D
Acq: 01 Jun 2020 18:34

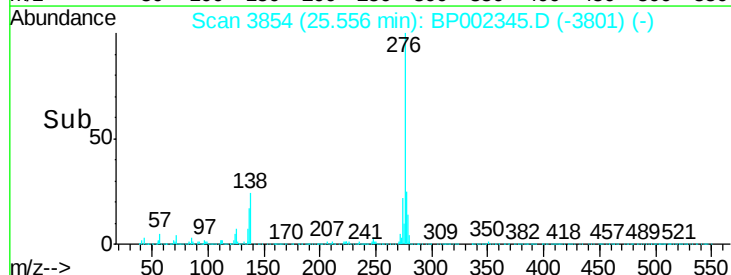
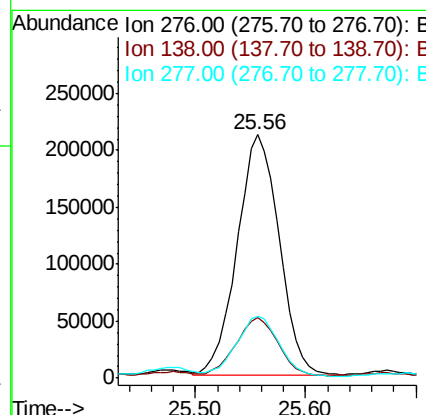
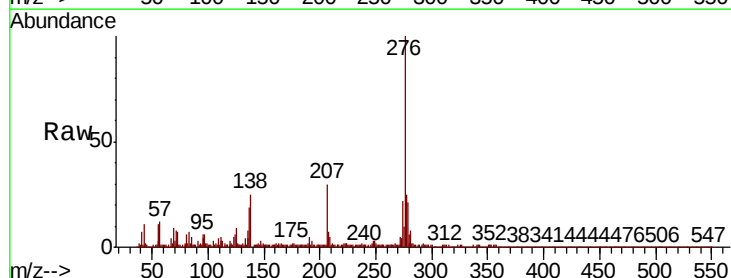
Instrument :
BNA_P
ClientSampled :

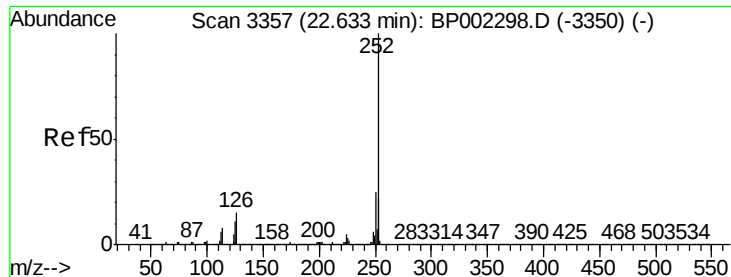
Tot Ion:264 Resp: 1231714
Ion Ratio Lower Upper
264 100
260 25.6 19.4 29.2
265 24.0 17.8 26.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.402 ng
RT: 25.56 min Scan# 3854
Delta R.T. 0.01 min
Lab File: BP002345.D
Acq: 01 Jun 2020 18:34

Tgt Ion:276 Resp: 564317
Ion Ratio Lower Upper
276 100
138 24.3 18.2 27.4
277 25.1 20.2 30.2

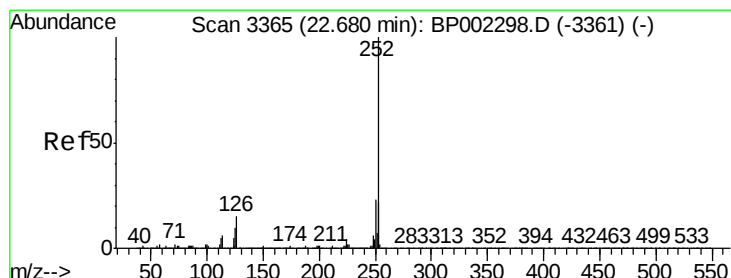
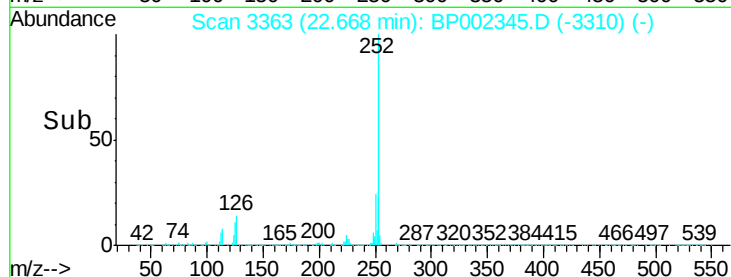
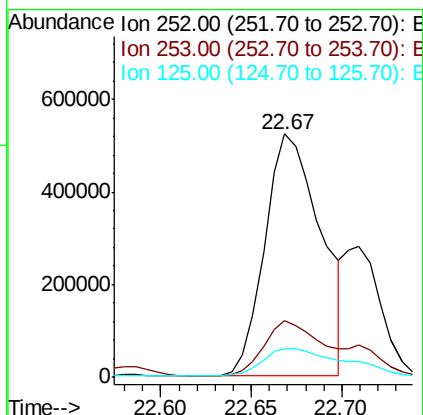
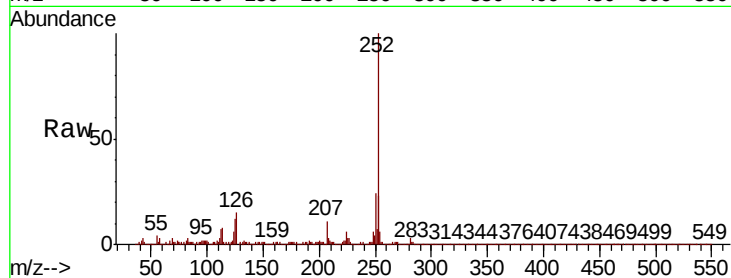




#88
Benzo(b)fluoranthene
Concen: 16.847 ng
RT: 22.67 min Scan# 3363
Delta R.T. 0.01 min
Lab File: BP002345.D
Acq: 01 Jun 2020 18:34

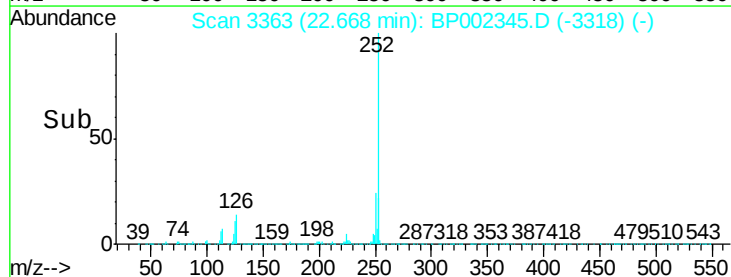
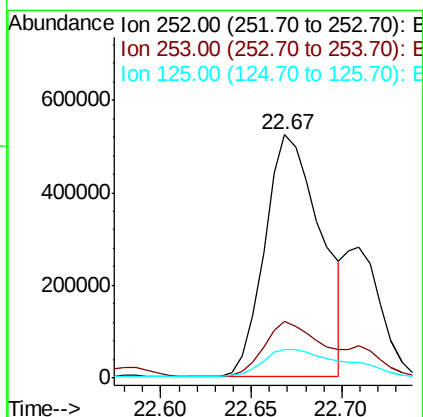
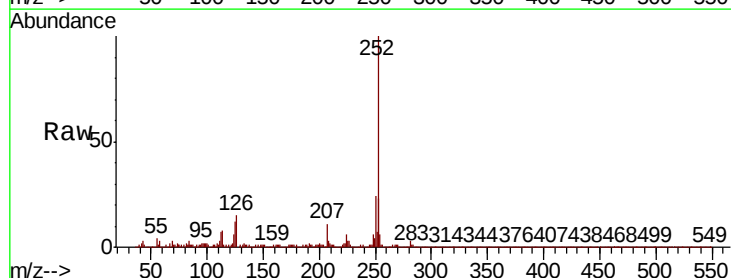
Instrument :
BNA_P
ClientSampleId :

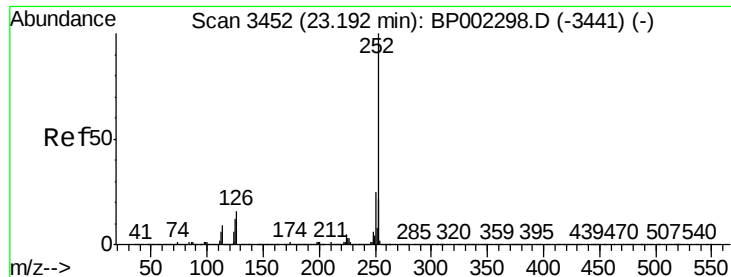
Tot Ion:252 Resp: 1131314
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.2
125 11.8 7.2 10.8#



#89
Benzo(k)fluoranthene
Concen: 17.556 ng
RT: 22.67 min Scan# 3363
Delta R.T. -0.04 min
Lab File: BP002345.D
Acq: 01 Jun 2020 18:34

Tgt Ion:252 Resp: 1131314
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 11.8 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 13.949 ng

RT: 23.23 min Scan# 3459

Delta R.T. 0.01 min

Lab File: BP002345.D

Acq: 01 Jun 2020 18:34

Instrument :

BNA_P

ClientSampled :

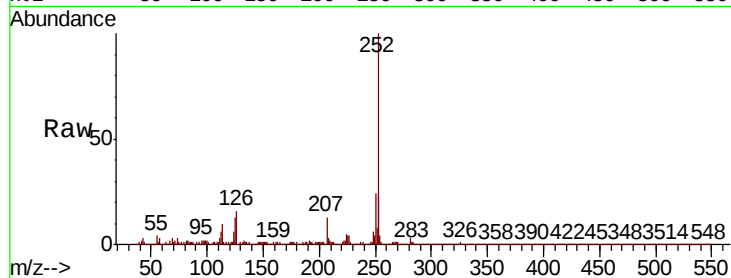
Tot Ion:252 Resp: 868925

Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

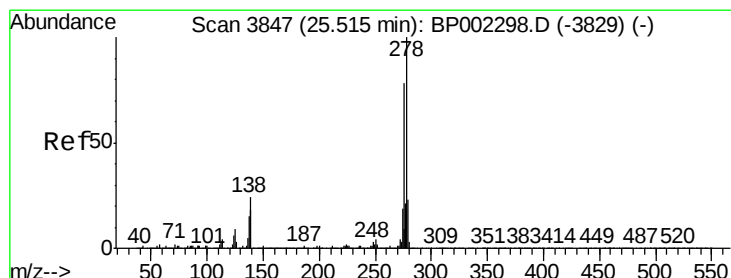
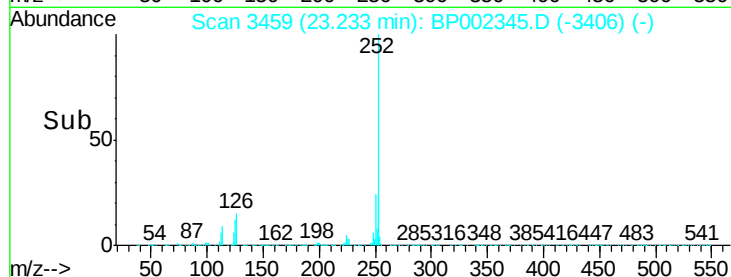
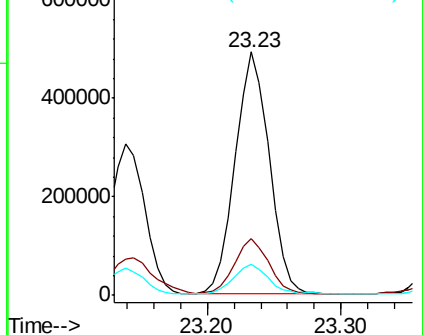
125 12.6 8.4 12.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 2.279 ng

RT: 25.56 min Scan# 3855

Delta R.T. -0.00 min

Lab File: BP002345.D

Acq: 01 Jun 2020 18:34

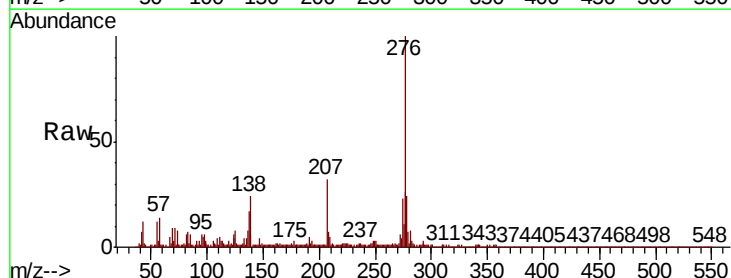
Tgt Ion:278 Resp: 141680

Ion Ratio Lower Upper

278 100

139 26.3 11.3 16.9#

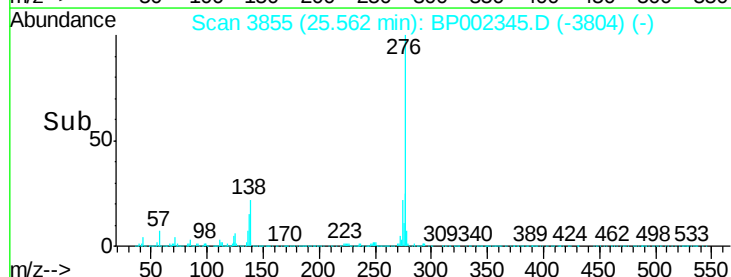
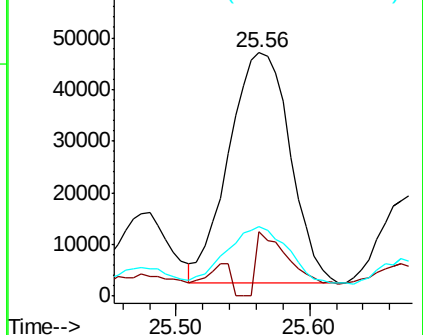
279 28.4 18.9 28.3#

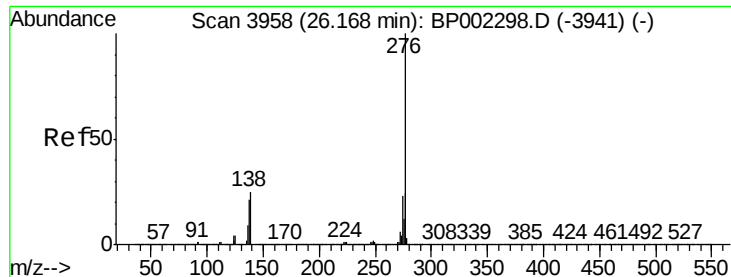


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

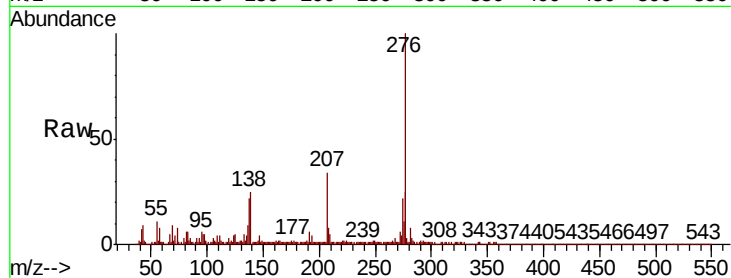




#92
 Benzo(a,h,i)perylene
 Concen: 8.754 ng
 RT: 26.23 min Scan# 3969
 Delta R.T. 0.02 min
 Lab File: BP002345.D
 Acq: 01 Jun 2020 18:34

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.6	28.0
138	25.3	16.0	24.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

