

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP052920\
 Data File : BP002317.D
 Acq On : 29 May 2020 16:20
 Operator : CG/JU
 Sample : L2776-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 351

Quant Time: May 29 16:53:18 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	7.60	152	252946	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	1057668	20.00	ng	0.00
39) Acenaphthene-d10	14.25	164	641633	20.00	ng	0.00
64) Phenanthrene-d10	17.00	188	1387276	20.00	ng	0.00
76) Chrysene-d12	21.11	240	1365968	20.00	ng	0.00
86) Perylene-d12	23.32	264	1504939	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.22	112	1569633	116.55	ng	0.00
7) Phenol-d6	6.79	99	2188553	119.46	ng	0.00
23) Nitrobenzene-d5	8.75	82	1467352	83.41	ng	0.00
42) 2,4,6-Tribromophenol	15.75	330	750098	123.35	ng	0.00
45) 2-Fluorobiphenyl	12.87	172	3083213	84.79	ng	0.00
79) Terphenyl-d14	19.60	244	4356173	77.23	ng	0.00

Target Compounds

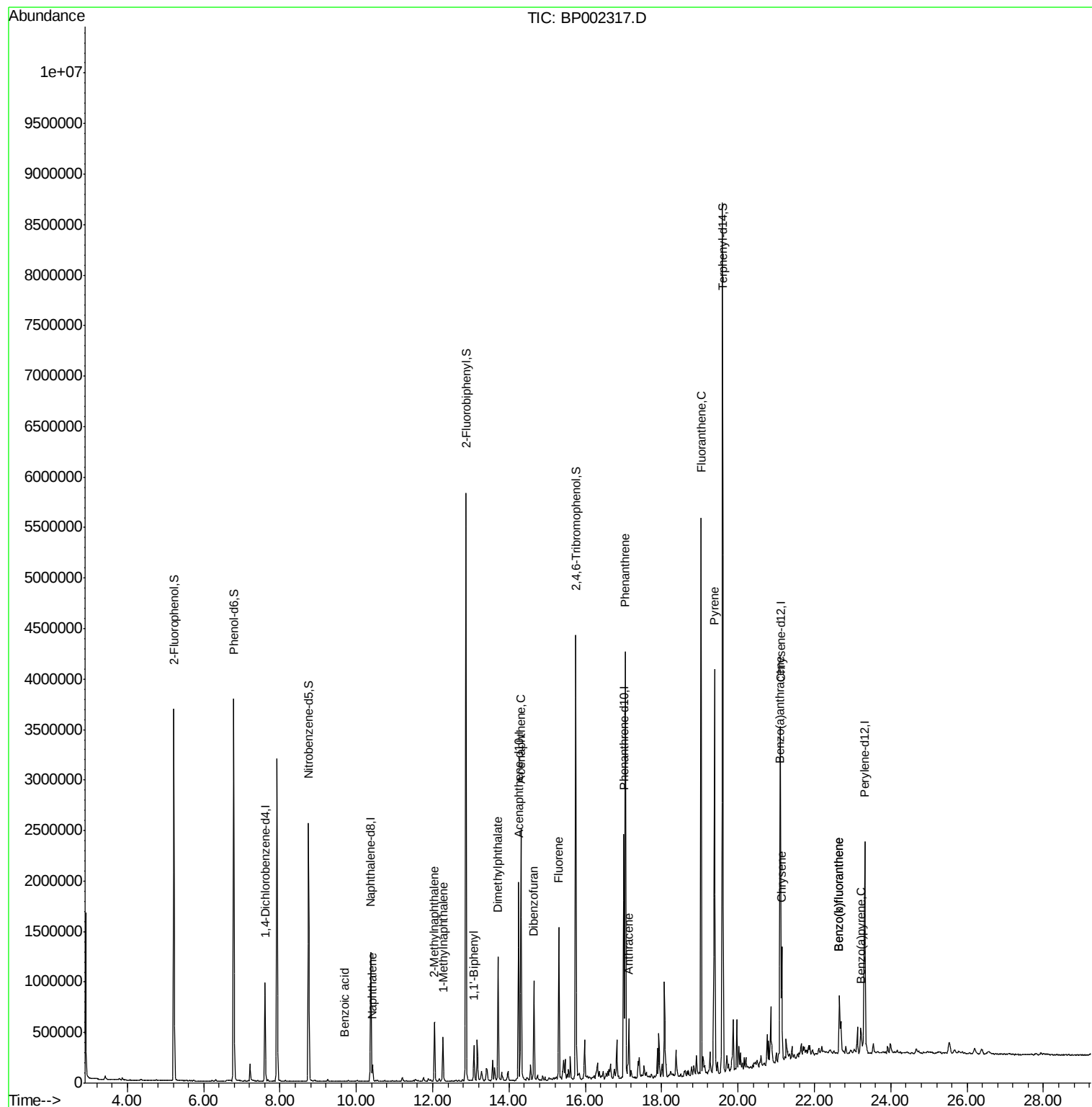
						Qvalue
31) Naphthalene	10.43	128	132207	2.665	ng	100
32) Benzoic acid	9.70	122	91	4.817	ng	# 13
37) 2-Methylnaphthalene	12.05	142	293503	8.439	ng	96
38) 1-Methylnaphthalene	12.27	142	194937	5.904	ng	95
46) 1,1'-Biphenyl	13.07	154	181211	4.310	ng	98
50) Dimethylphthalate	13.71	163	764944	17.613	ng	100
52) Acenaphthene	14.32	154	890587	25.186	ng	98
55) Dibenzofuran	14.65	168	592291	11.328	ng	98
58) Fluorene	15.30	166	667573	17.215	ng	97
71) Phenanthrene	17.05	178	2591493	39.438	ng	100
72) Anthracene	17.14	178	359931	5.567	ng	100
75) Fluoranthene	19.03	202	3237449	42.775	ng	100
78) Pyrene	19.38	202	2339725	27.507	ng	99
81) Benzo(a)anthracene	21.09	228	596071	7.623	ng	99
83) Chrysene	21.14	228	623591	8.310	ng	99
88) Benzo(b)fluoranthene	22.65	252	441362	5.379	ng	# 96
89) Benzo(k)fluoranthene	22.65	252	441362	5.606	ng	# 97
90) Benzo(a)pyrene	23.22	252	176298	2.316	ng	98

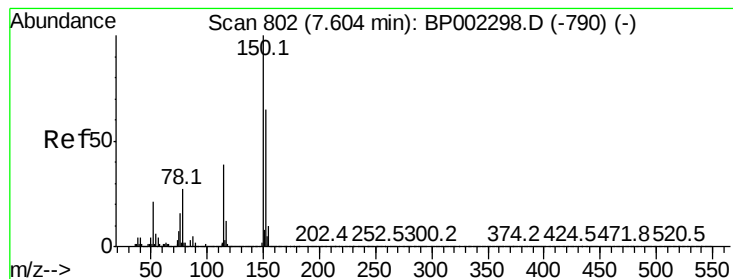
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.60 min Scan# 802

Delta R.T. -0.00 min

Lab File: BP002317.D

Acq: 29 May 2020 16:20

Instrument :

BNA_P

ClientSampleId :

351

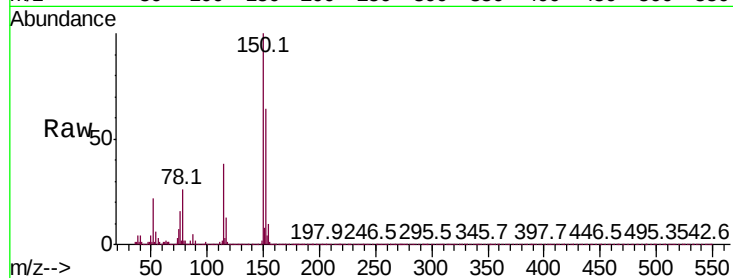
Tot Ion:152 Resp: 252946

Ion Ratio Lower Upper

152 100

150 155.9 124.7 187.1

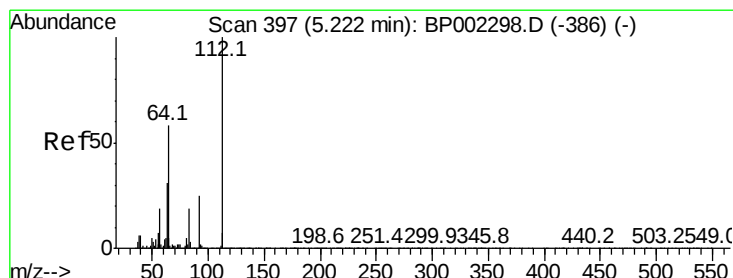
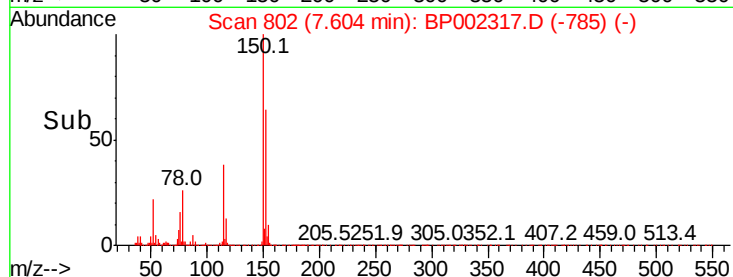
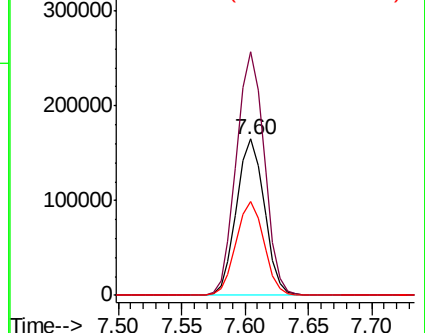
115 59.9 49.4 74.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 116.546 ng

RT: 5.22 min Scan# 397

Delta R.T. -0.00 min

Lab File: BP002317.D

Acq: 29 May 2020 16:20

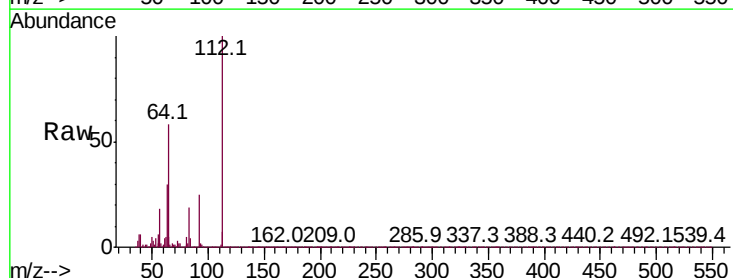
Tgt Ion:112 Resp: 1569633

Ion Ratio Lower Upper

112 100

64 57.8 47.0 70.4

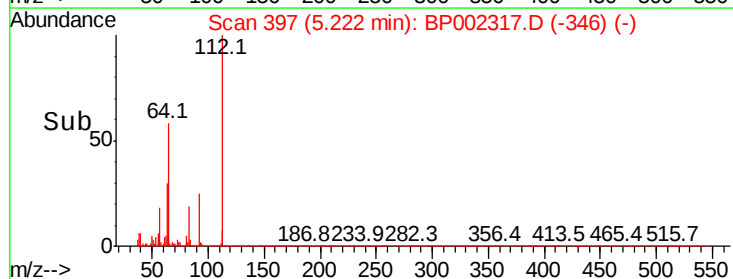
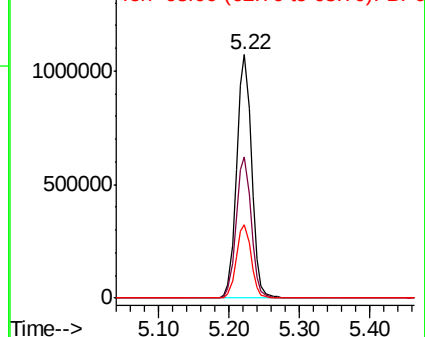
63 30.3 24.0 36.0

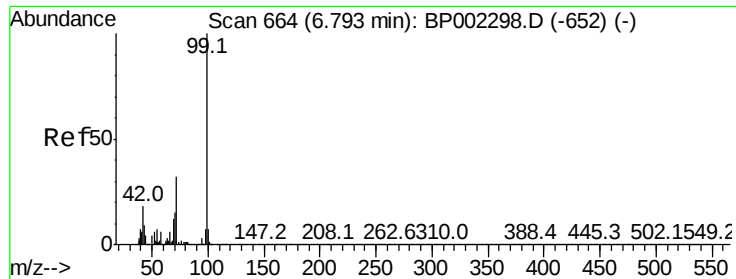


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 119.457 ng

RT: 6.79 min Scan# 663

Delta R.T. -0.01 min

Lab File: BP002317.D

Acq: 29 May 2020 16:20

Instrument :

BNA_P

ClientSampleId :

351

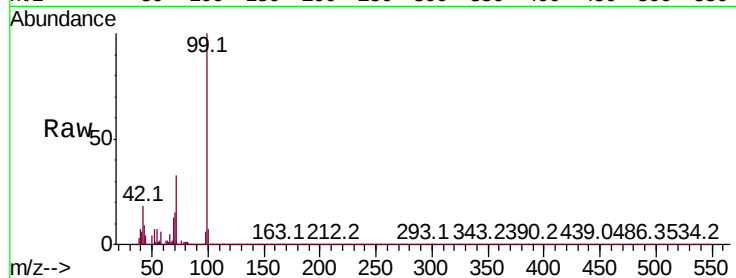
Tot Ion: 99 Resp: 2188553

Ion Ratio Lower Upper

99 100

42 18.1 13.9 20.9

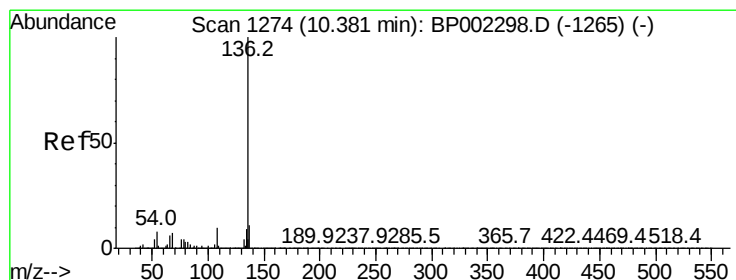
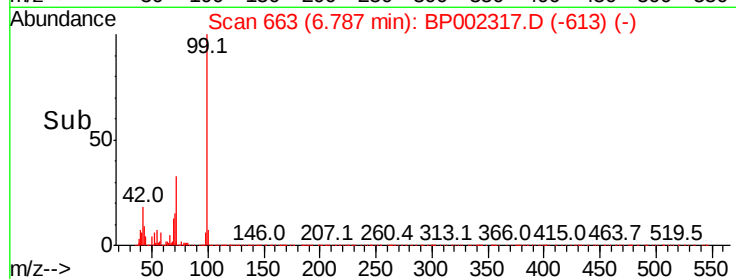
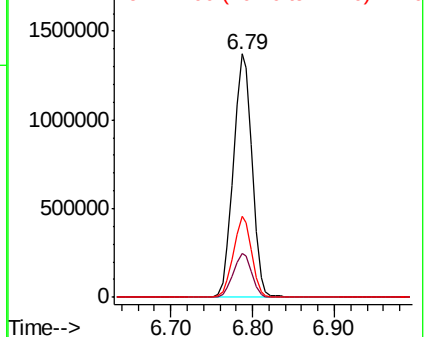
71 33.3 25.8 38.8



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.37 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BP002317.D

Acq: 29 May 2020 16:20

Tgt Ion: 136 Resp: 1057668

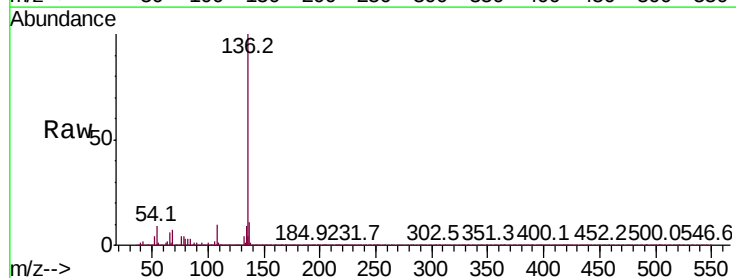
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 8.6 6.9 10.3

68 7.1 5.6 8.4

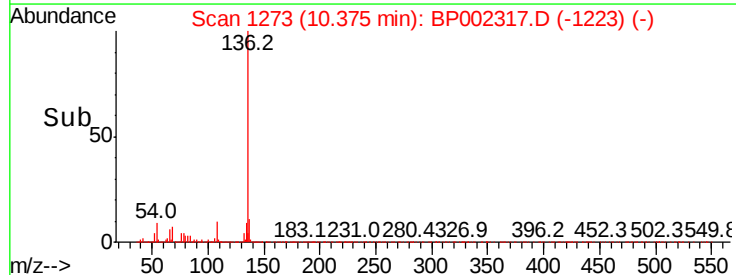
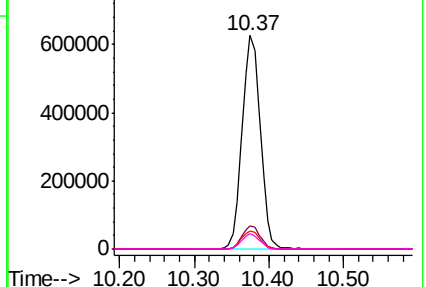


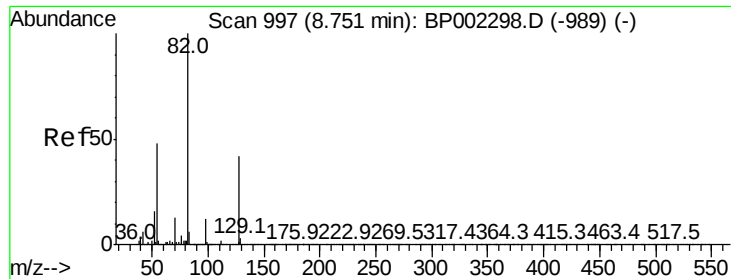
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0

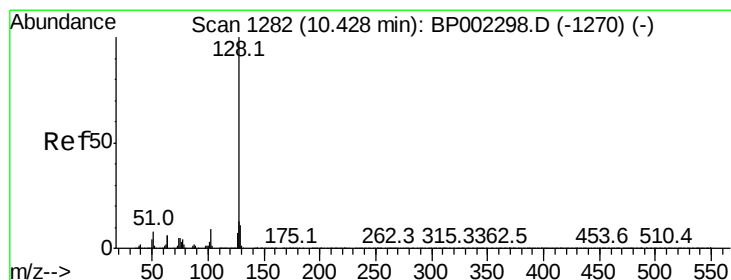
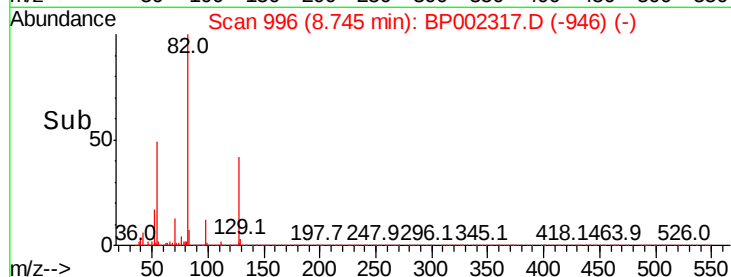
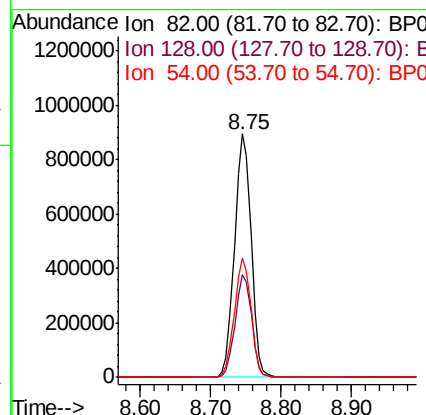
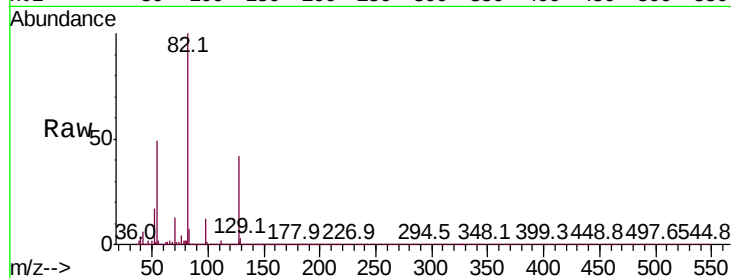




#23
Nitrobenzene-d5
Concen: 83.411 ng
RT: 8.75 min Scan# 996
Delta R.T. -0.01 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

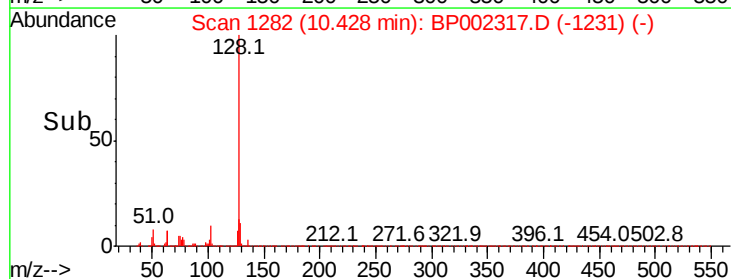
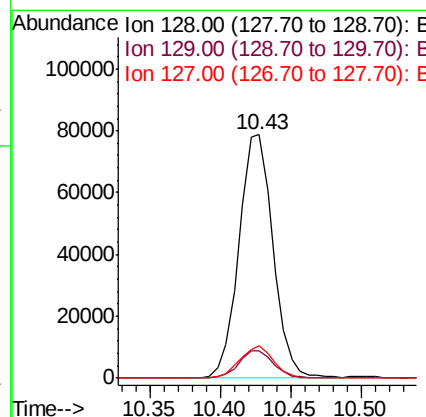
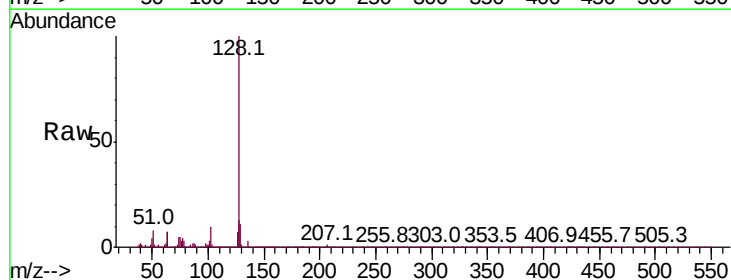
Instrument :
BNA_P
ClientSampled :
351

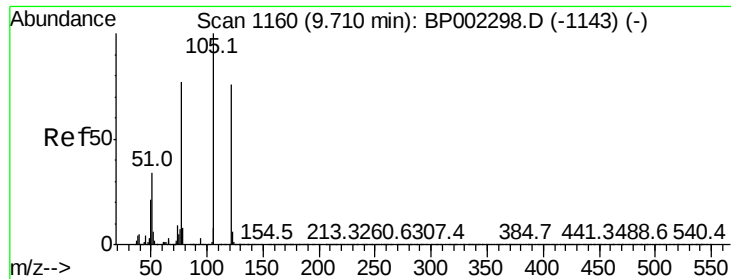
Tot Ion: 82 Resp: 1467352
Ion Ratio Lower Upper
82 100
128 42.2 33.4 50.0
54 49.2 38.3 57.5



#31
Naphthalene
Concen: 2.665 ng
RT: 10.43 min Scan# 1282
Delta R.T. -0.00 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Tgt Ion:128 Resp: 132207
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 13.1 10.5 15.7





#32

Benzoic acid

Concen: 4.817 ng

RT: 9.70 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BP002317.D

Acq: 29 May 2020 16:20

Instrument :

BNA_P

ClientSampled :

351

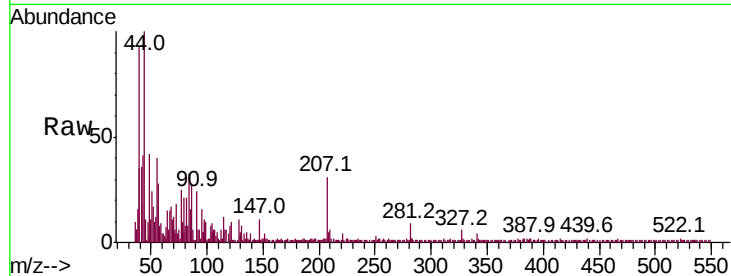
Tot Ion:122 Resp: 91

Ion Ratio Lower Upper

122 100

105 93.9 102.7 142.7#

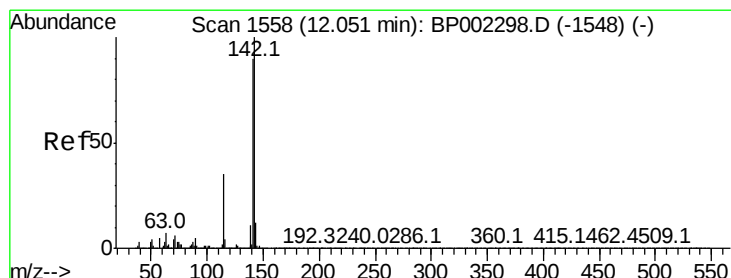
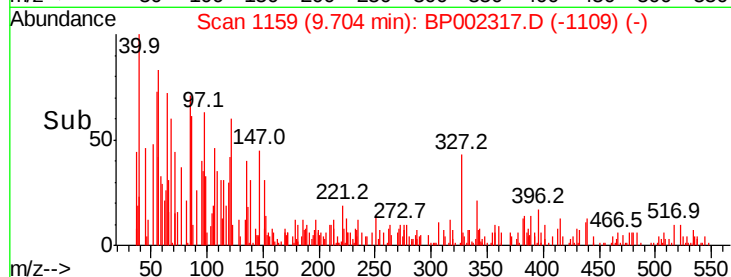
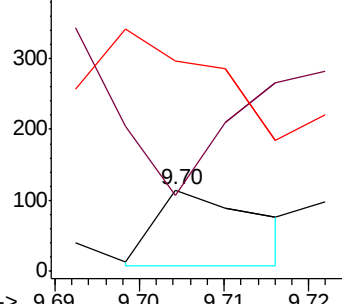
77 257.4 74.8 114.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BP0



#37

2-Methylnaphthalene

Concen: 8.439 ng

RT: 12.05 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BP002317.D

Acq: 29 May 2020 16:20

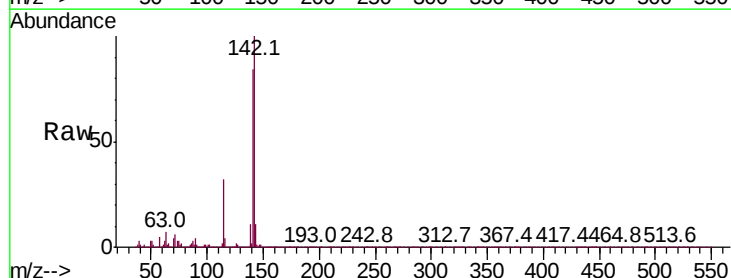
Tgt Ion:142 Resp: 293503

Ion Ratio Lower Upper

142 100

141 84.5 69.7 104.5

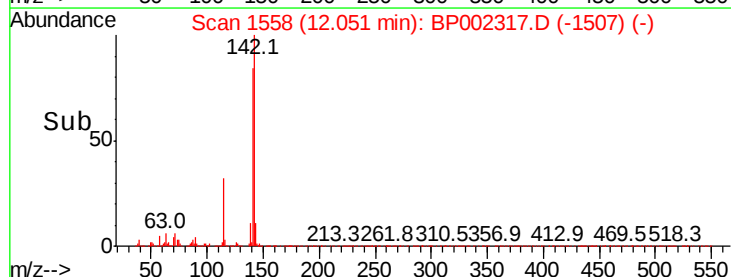
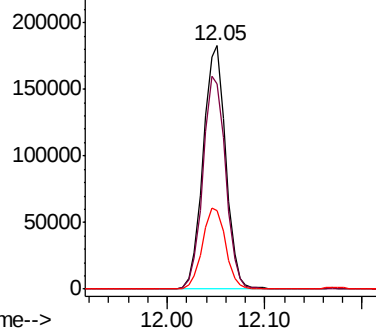
115 32.1 28.1 42.1

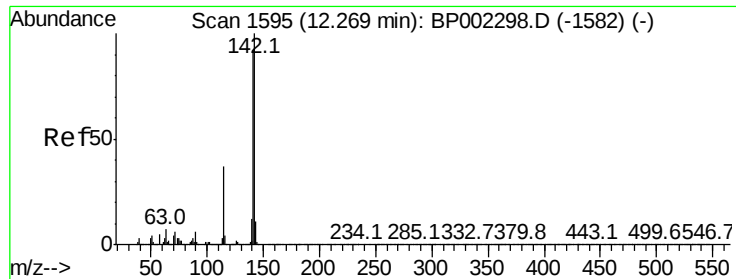


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

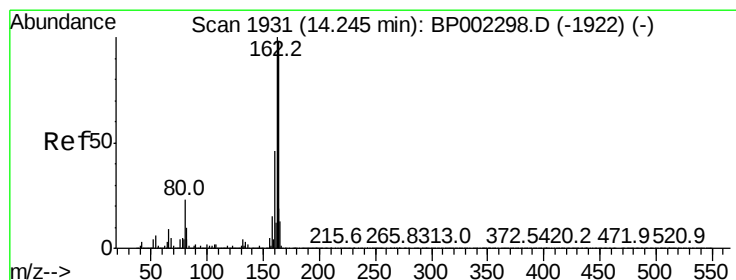
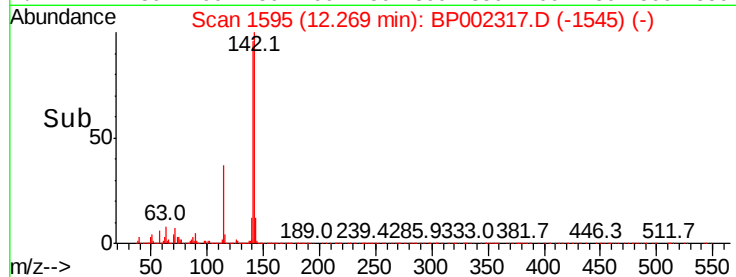
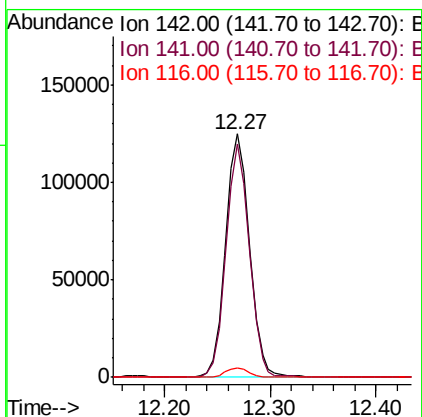
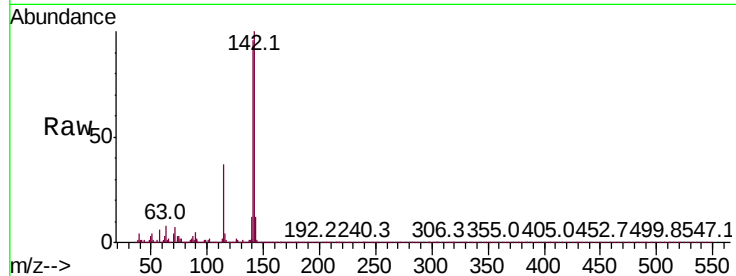




#38
1-Methylnaphthalene
Concen: 5.904 ng
RT: 12.27 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

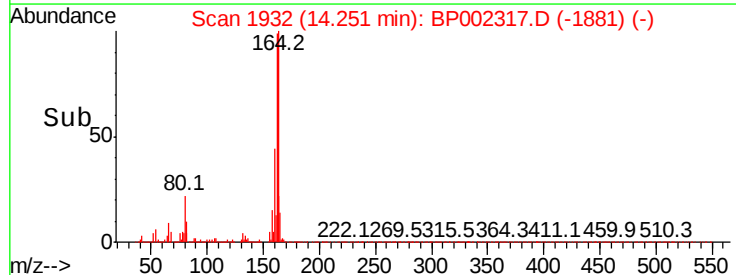
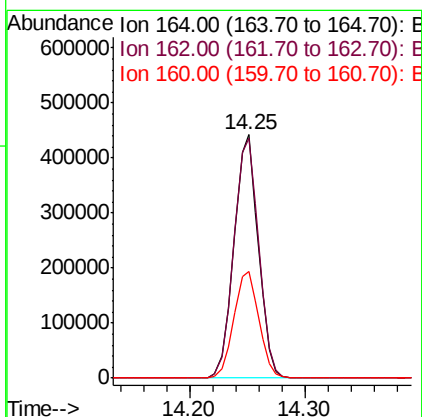
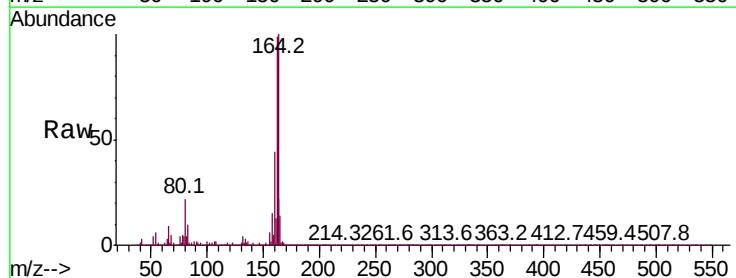
Instrument :
BNA_P
ClientSampleId :
351

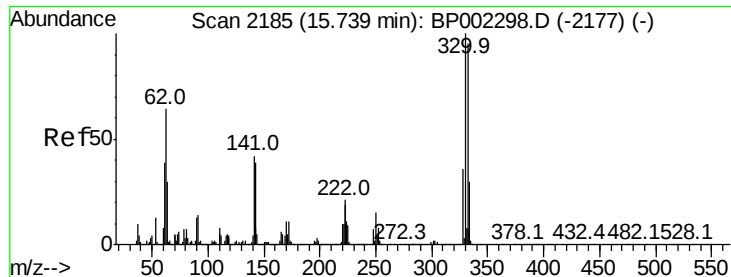
Tot Ion	Ratio	Lower	Upper
142	100		
141	96.1	72.8	109.2
116	3.7	3.1	4.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.25 min Scan# 1932
Delta R.T. -0.00 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.5	81.3	121.9
160	43.9	37.2	55.8

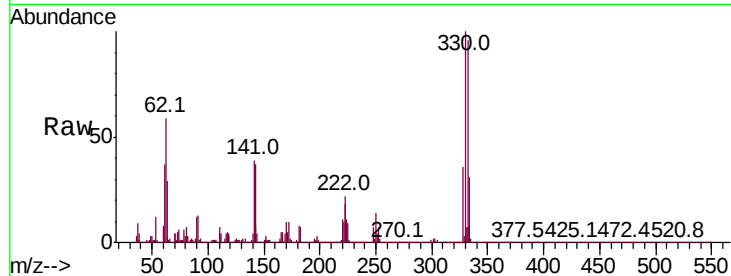




#42
2,4,6-Tribromophenol
Concen: 123.349 ng
RT: 15.75 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Instrument :
BNA_P
ClientSampleId :
351

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.9	115.3
141	38.0	31.4	47.2

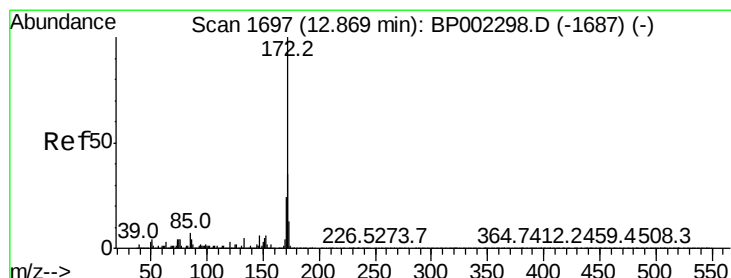
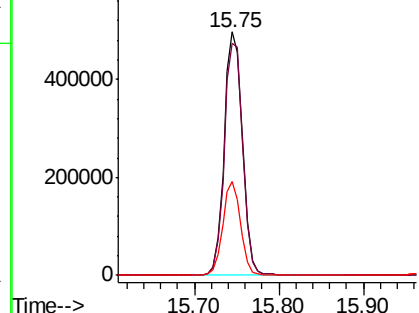
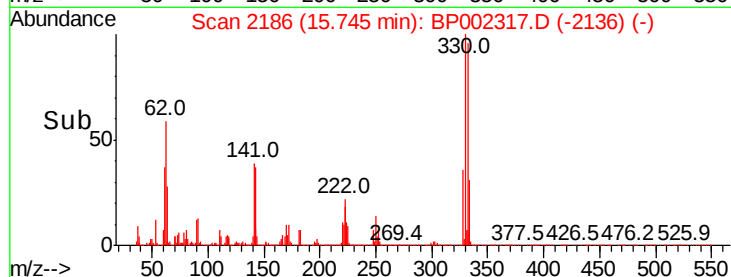


Abundance

Ion 329.80 (329.50 to 330.50): E

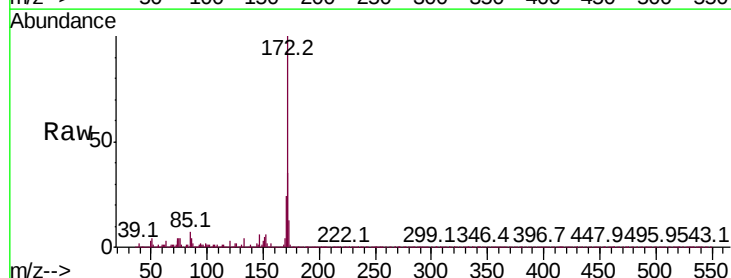
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 84.790 ng
RT: 12.87 min Scan# 1697
Delta R.T. -0.00 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.6	41.4
170	24.1	18.9	28.3

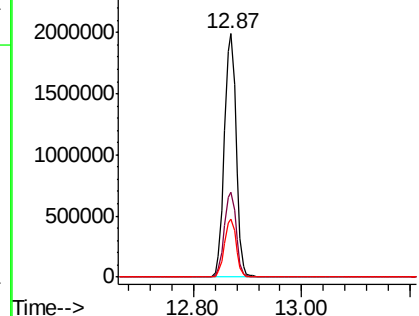
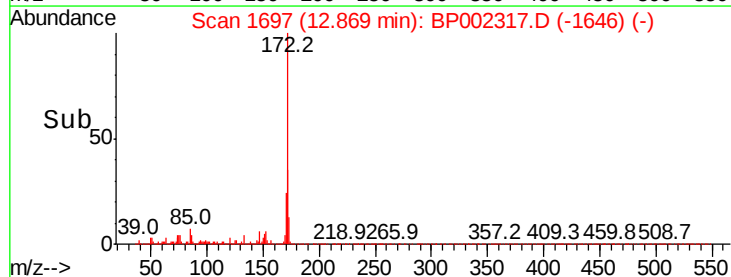


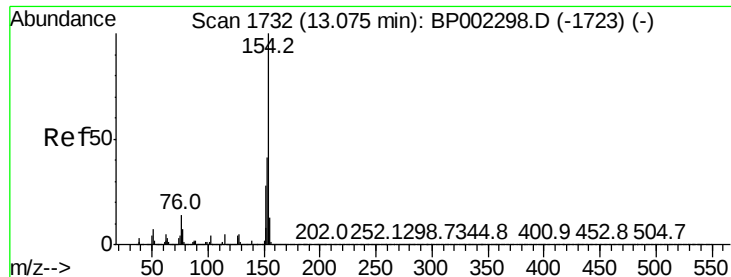
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

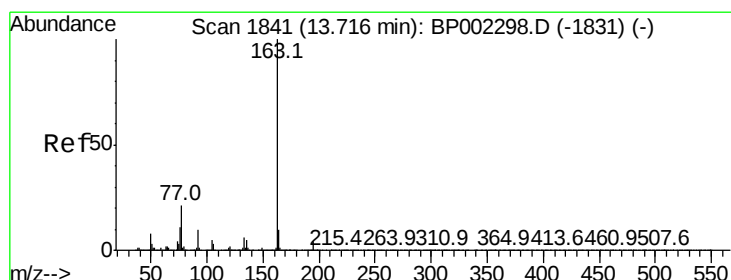
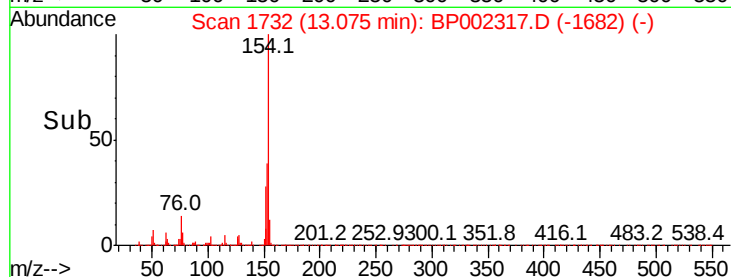
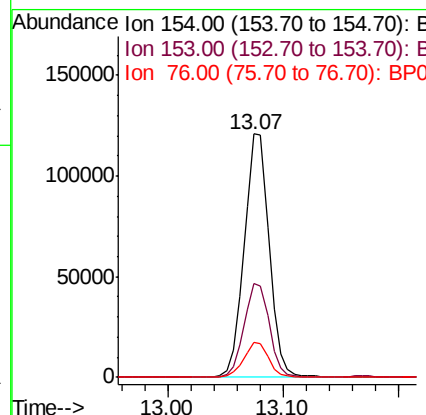
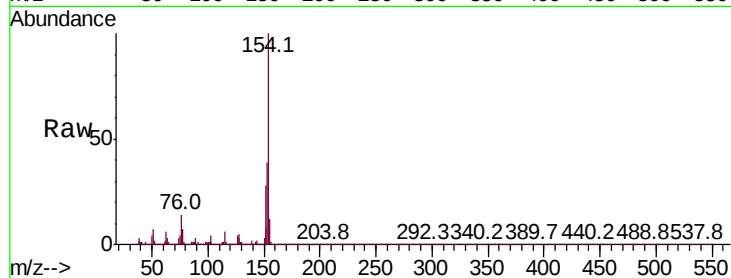




#46
 1,1'-Biphenyl
 Concen: 4.310 ng
 RT: 13.07 min Scan# 1732
 Delta R.T. -0.01 min
 Lab File: BP002317.D
 Acq: 29 May 2020 16:20

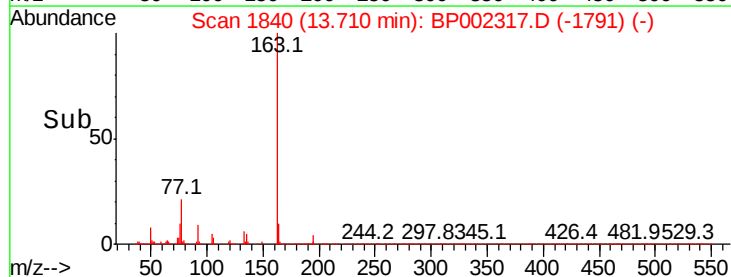
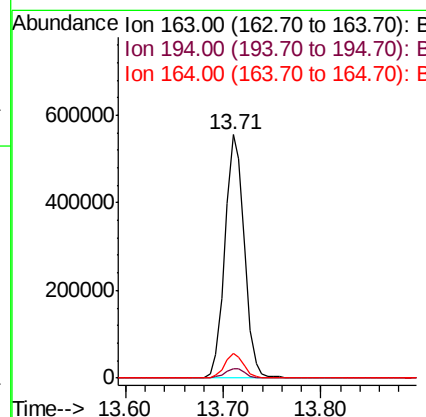
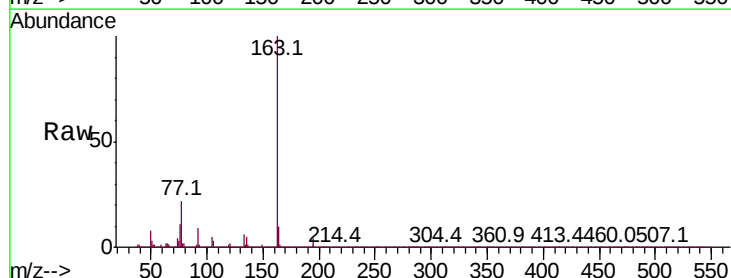
Instrument :
 BNA_P
 ClientSampleId :
 351

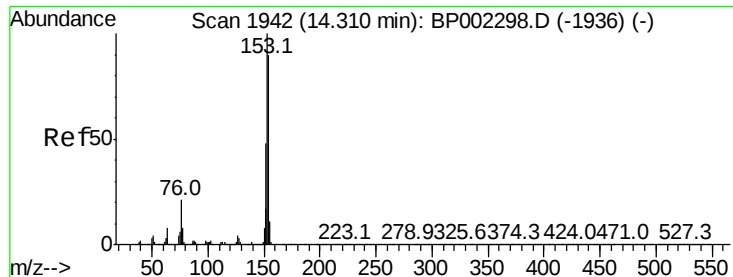
Tot Ion	Ratio	Lower	Upper
154	100		
153	38.6	20.1	60.1
76	14.4	0.0	34.4



#50
 Dimethylphthalate
 Concen: 17.613 ng
 RT: 13.71 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BP002317.D
 Acq: 29 May 2020 16:20

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.2	8.1	12.1





#52

Acenaphthene

Concen: 25.186 ng

RT: 14.32 min Scan# 1943

Delta R.T. -0.00 min

Lab File: BP002317.D

Acq: 29 May 2020 16:20

Instrument :

BNA_P

ClientSampled :

351

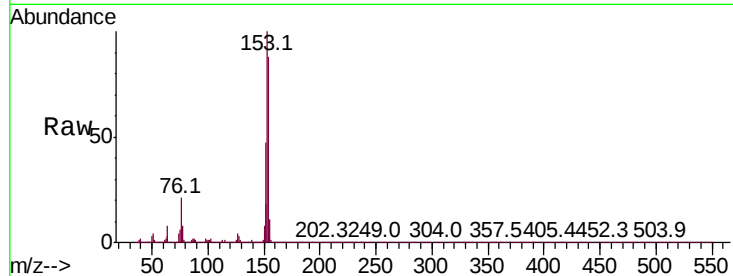
Tot Ion:154 Resp: 890587

Ion Ratio Lower Upper

154 100

153 113.5 89.7 134.5

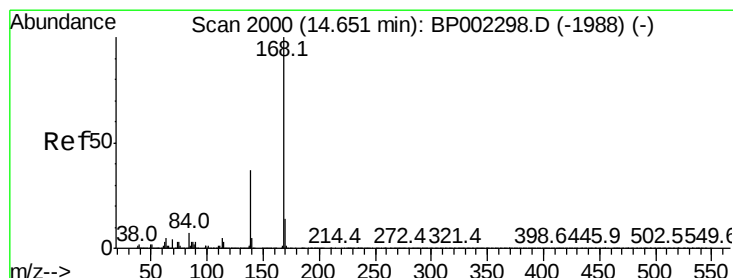
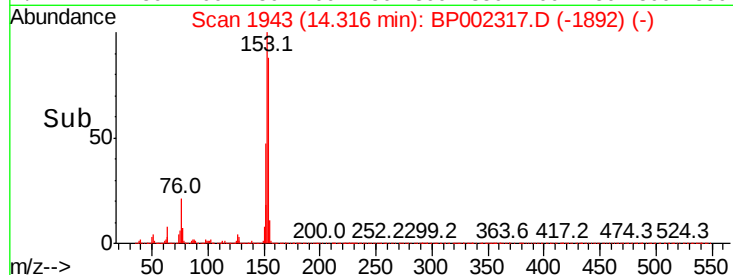
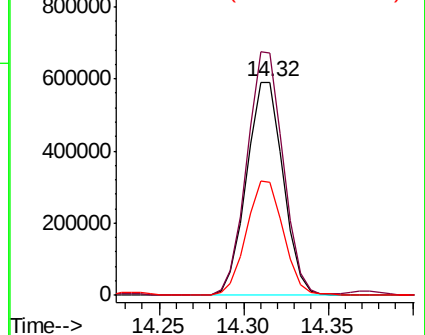
152 53.0 44.0 66.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 11.328 ng

RT: 14.65 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BP002317.D

Acq: 29 May 2020 16:20

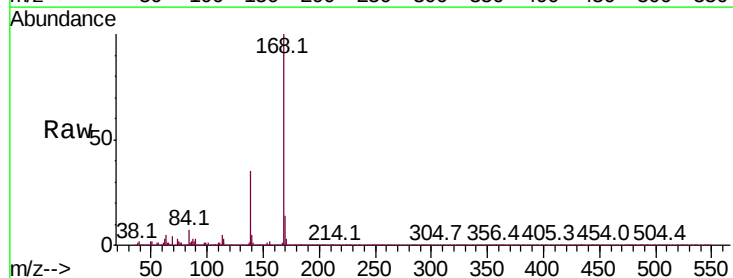
Tgt Ion:168 Resp: 592291

Ion Ratio Lower Upper

168 100

139 34.9 28.9 43.3

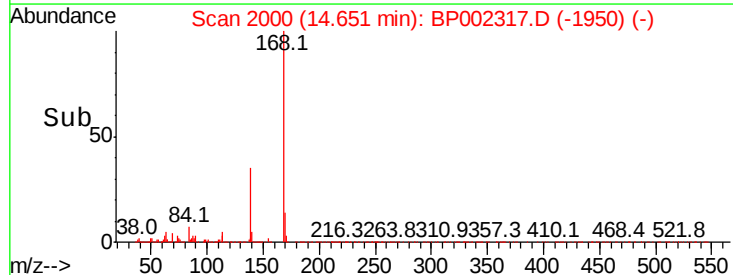
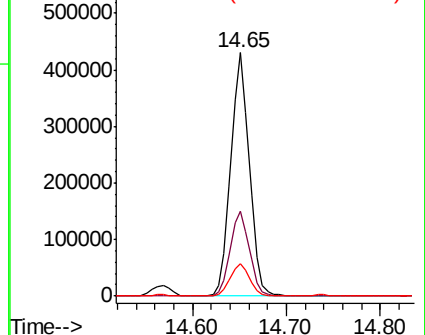
169 13.6 10.6 16.0

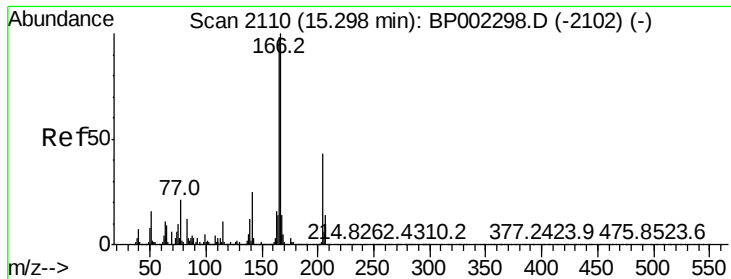


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#58

Fluorene

Concen: 17.215 ng

RT: 15.30 min Scan# 2111

Delta R.T. -0.01 min

Lab File: BP002317.D

Acq: 29 May 2020 16:20

Instrument :

BNA_P

ClientSampleId :

351

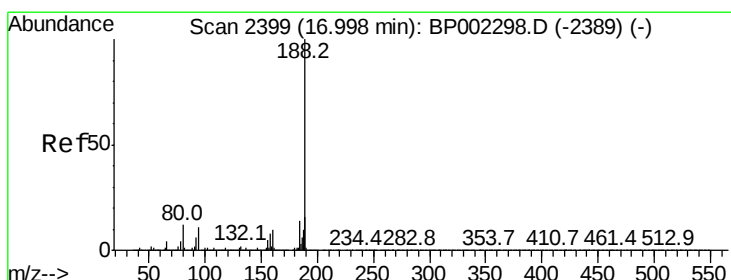
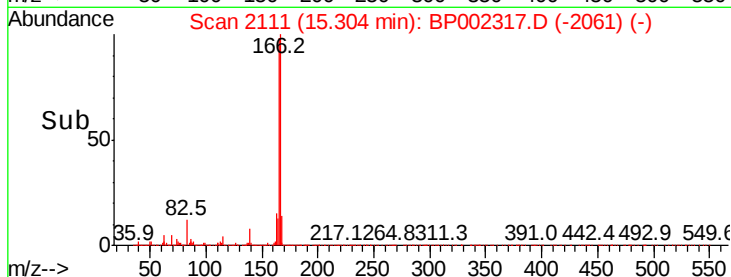
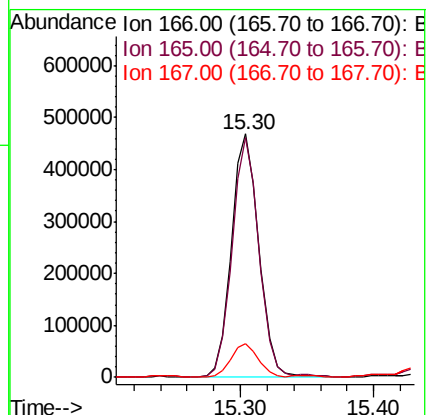
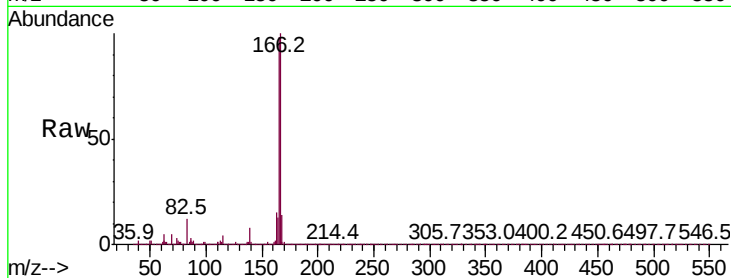
Tot Ion:166 Resp: 667573

Ion Ratio Lower Upper

166 100

165 98.4 75.8 113.8

167 13.7 10.6 16.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.00 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BP002317.D

Acq: 29 May 2020 16:20

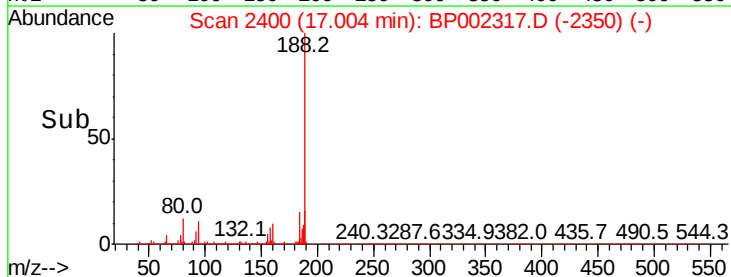
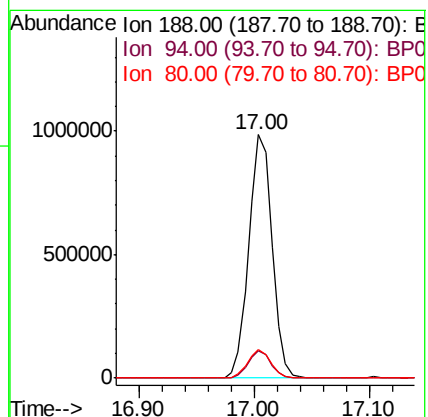
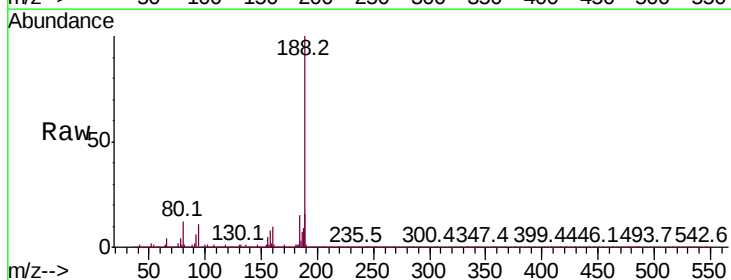
Tgt Ion:188 Resp: 1387276

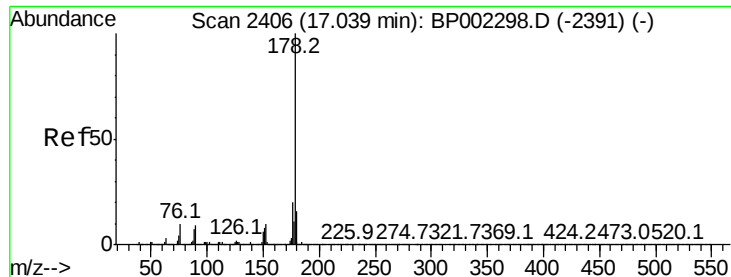
Ion Ratio Lower Upper

188 100

94 11.1 8.7 13.1

80 11.7 9.3 13.9

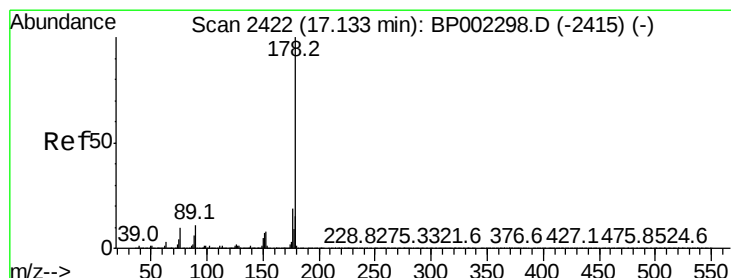
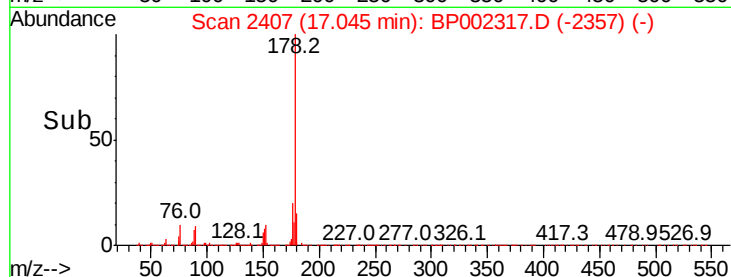
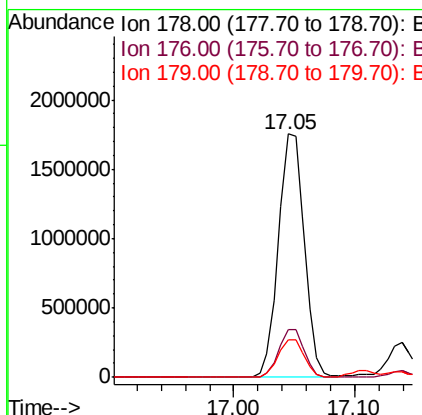
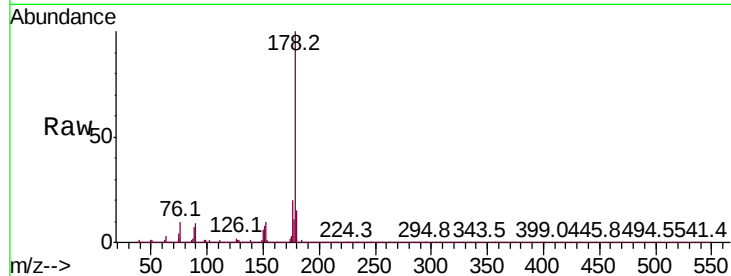




#71
Phenanthrene
Concen: 39.438 ng
RT: 17.05 min Scan# 2407
Delta R.T. -0.01 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

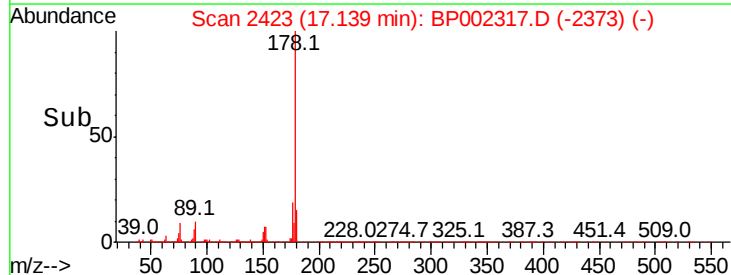
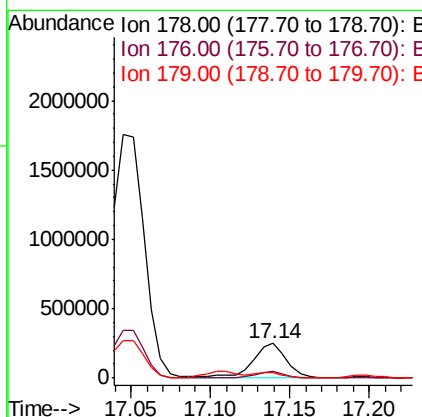
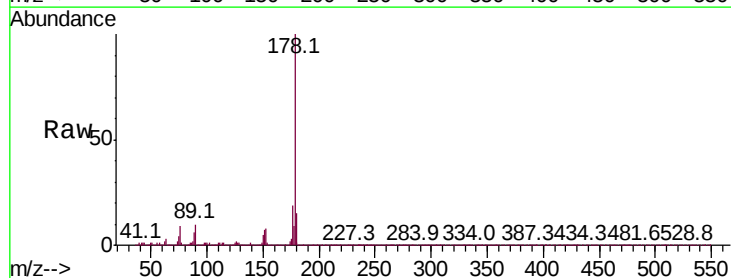
Instrument :
BNA_P
ClientSampled :
351

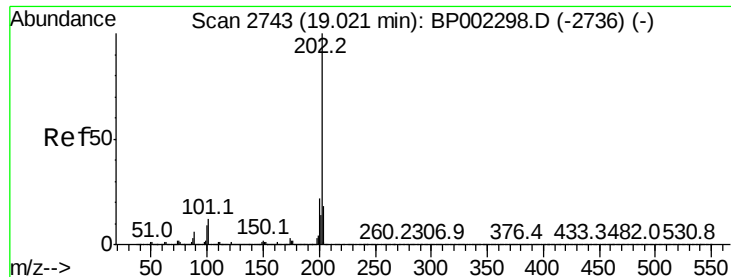
Tot Ion:178 Resp: 2591493
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 15.3 12.6 18.8



#72
Anthracene
Concen: 5.567 ng
RT: 17.14 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Tgt Ion:178 Resp: 359931
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 15.4 12.6 19.0





#75

Fluoranthene

Concen: 42.775 ng

RT: 19.03 min Scan# 2745

Delta R.T. -0.00 min

Lab File: BP002317.D

Acq: 29 May 2020 16:20

Instrument :

BNA_P

ClientSampleId :

351

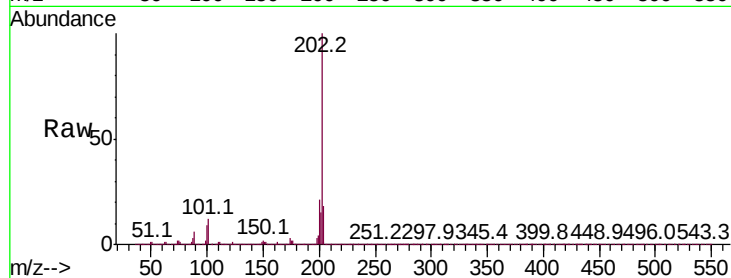
Tot Ion:202 Resp: 3237449

Ion Ratio Lower Upper

202 100

101 11.8 0.0 32.1

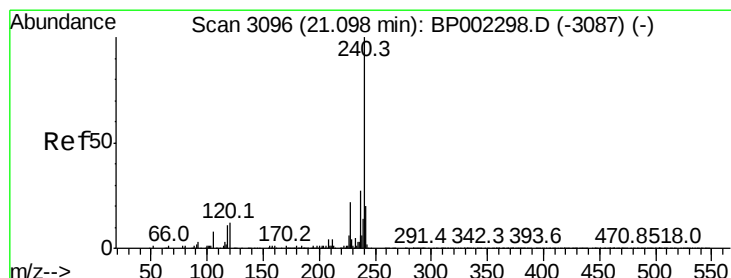
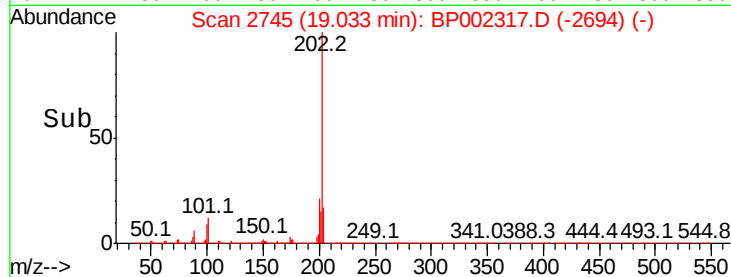
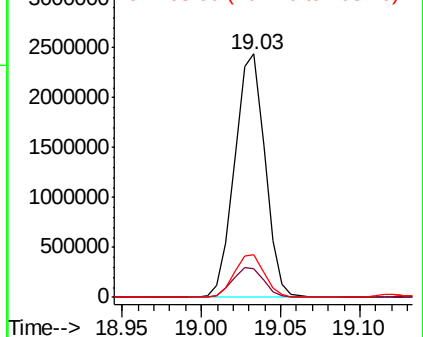
203 17.5 0.0 37.6



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.11 min Scan# 3098

Delta R.T. -0.00 min

Lab File: BP002317.D

Acq: 29 May 2020 16:20

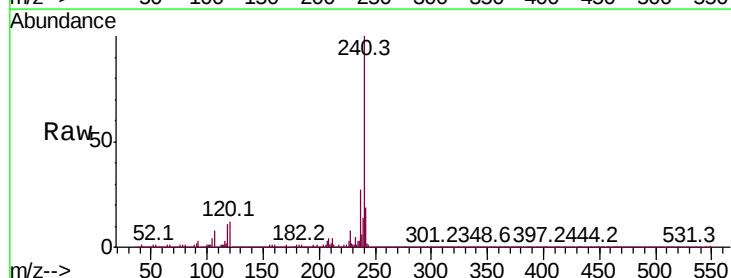
Tgt Ion:240 Resp: 1365968

Ion Ratio Lower Upper

240 100

120 12.0 8.7 13.1

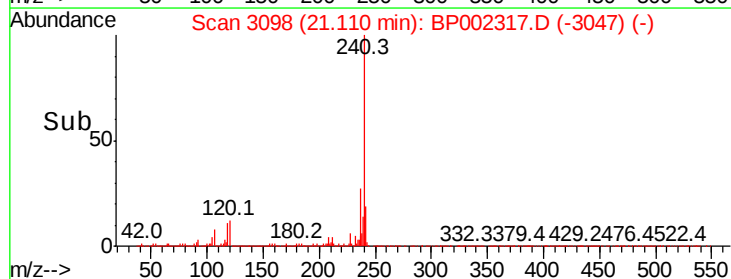
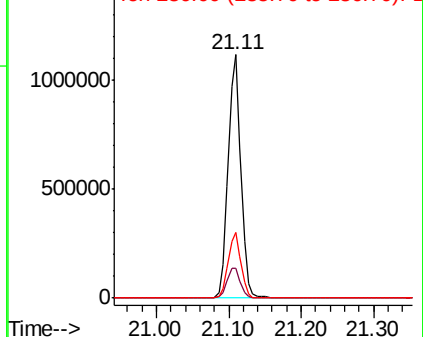
236 26.9 21.0 31.4

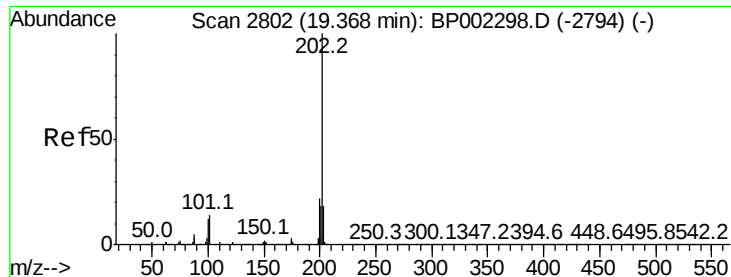


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

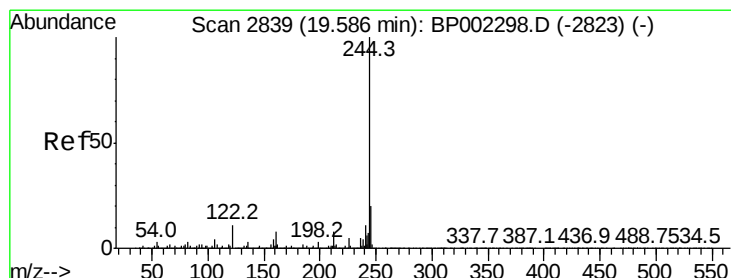
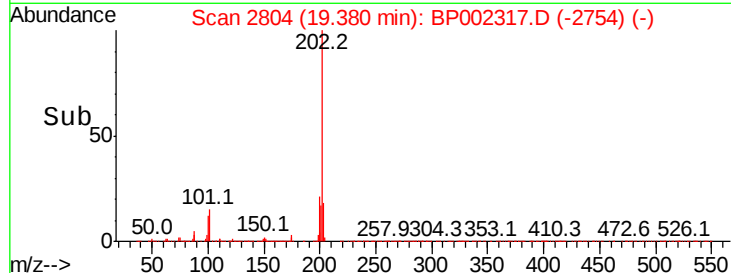
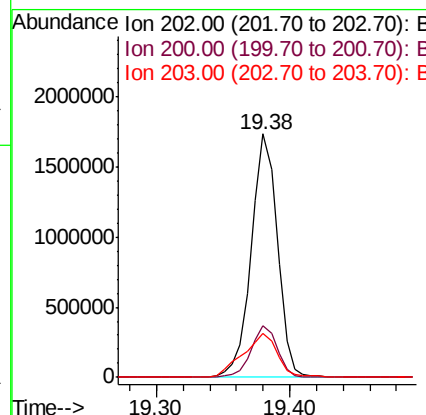
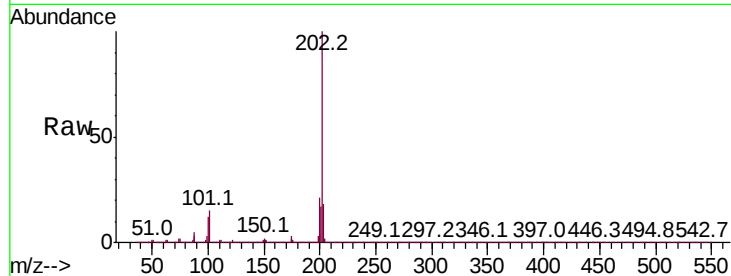




#78
Pvrene
Concen: 27.507 ng
RT: 19.38 min Scan# 2804
Delta R.T. -0.01 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

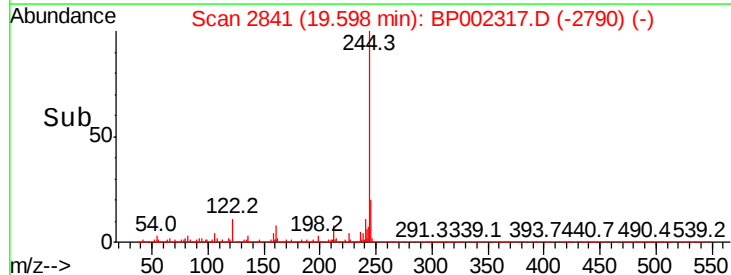
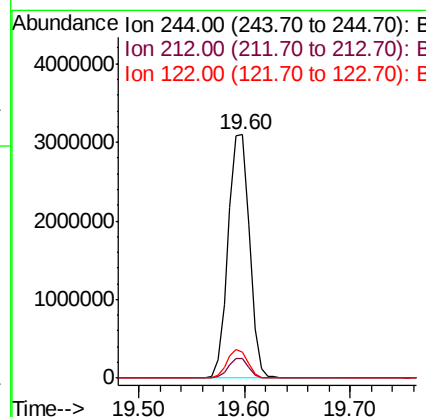
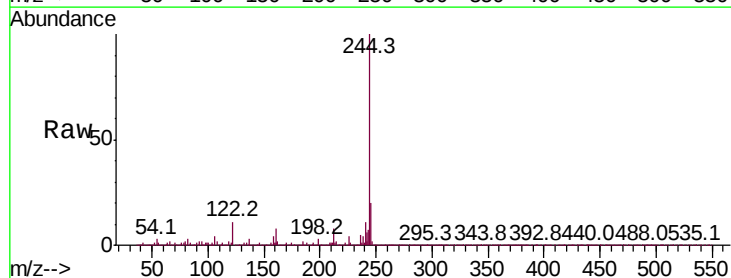
Instrument :
BNA_P
ClientSampleId :
351

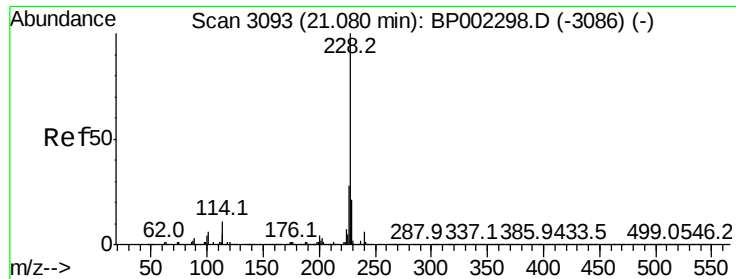
Tot Ion:202 Resp: 2339725
Ion Ratio Lower Upper
202 100
200 21.3 17.3 25.9
203 17.8 13.8 20.6



#79
Terphenyl-d14
Concen: 77.230 ng
RT: 19.60 min Scan# 2841
Delta R.T. -0.00 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Tgt Ion:244 Resp: 4356173
Ion Ratio Lower Upper
244 100
212 7.8 6.4 9.6
122 10.9 9.4 14.0

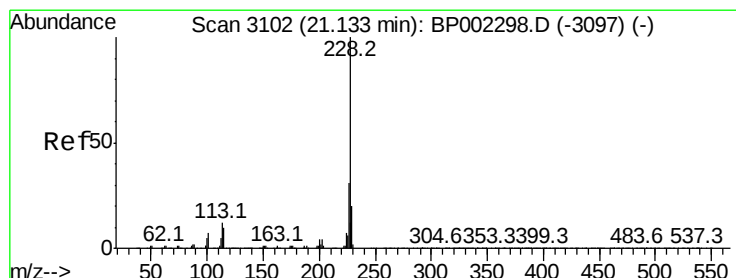
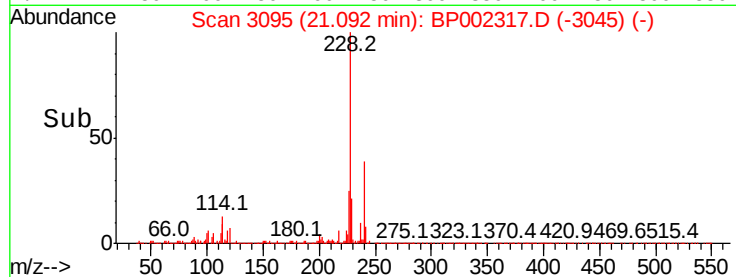
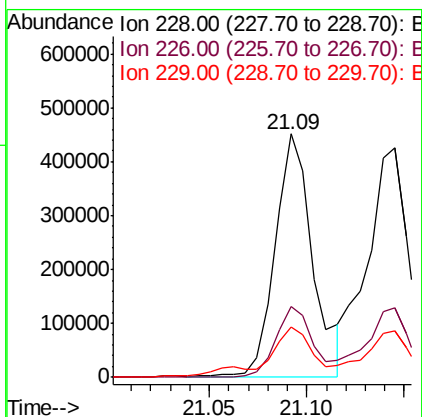
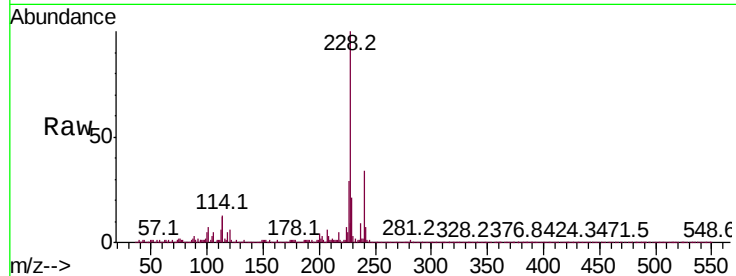




#81
Benzo(a)anthracene
Concen: 7.623 ng
RT: 21.09 min Scan# 3095
Delta R.T. -0.01 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

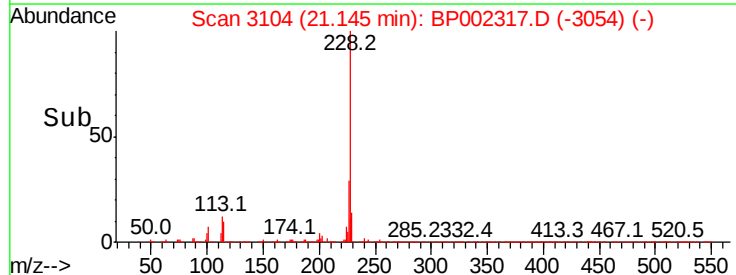
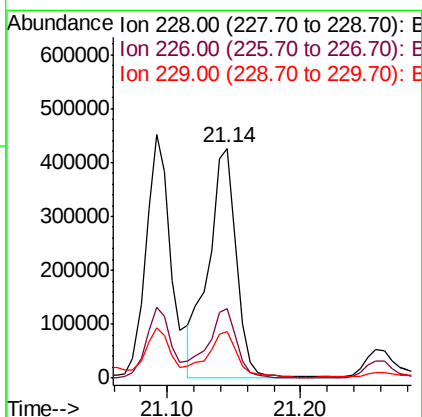
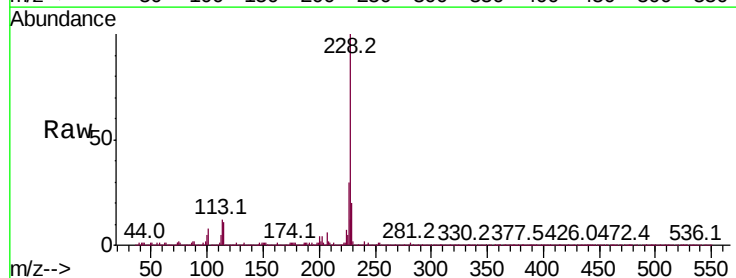
Instrument :
BNA_P
ClientSampleId :
351

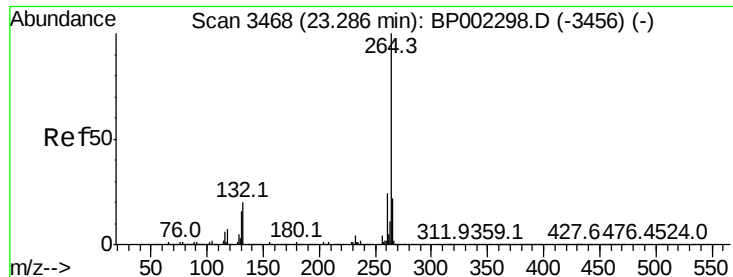
Tot	Ion:228	Resp:	596071
Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.7	34.1
229	20.7	16.3	24.5



#83
Chrysene
Concen: 8.310 ng
RT: 21.14 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Tgt	Ion:228	Resp:	623591
Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	20.4	16.2	24.4

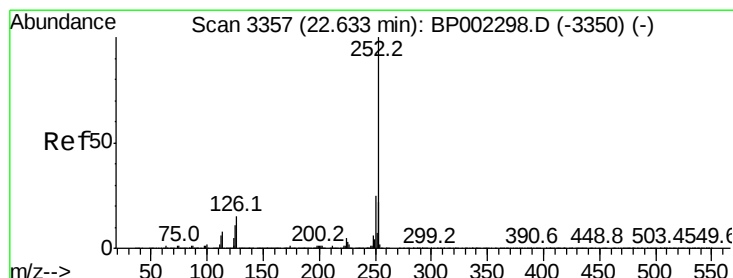
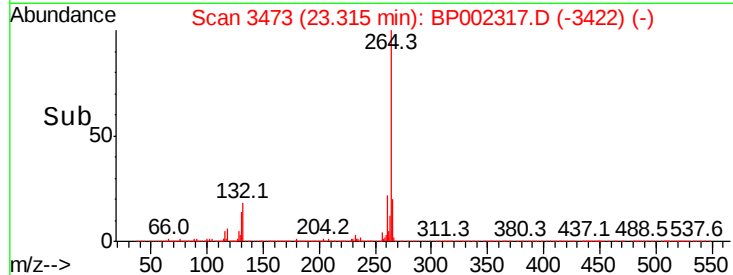
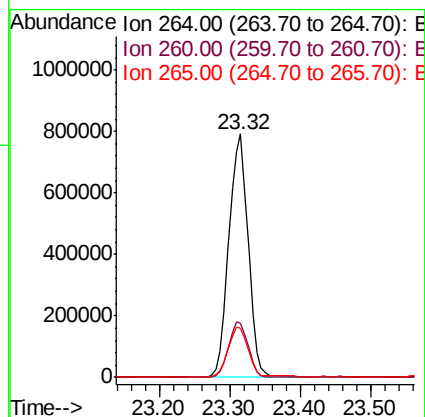
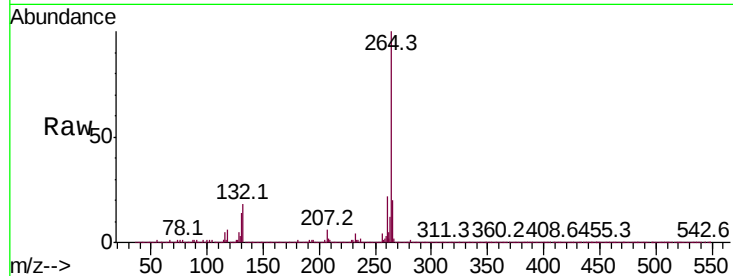




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.32 min Scan# 3473
Delta R.T. -0.00 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

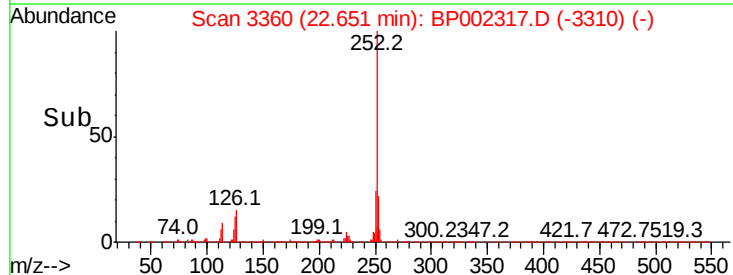
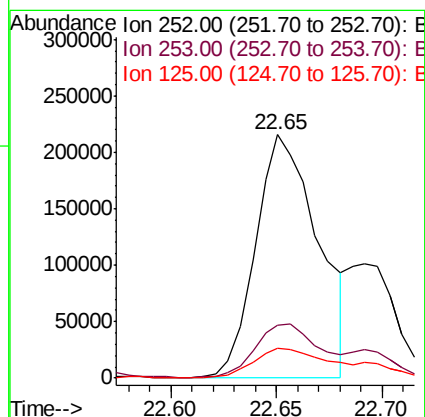
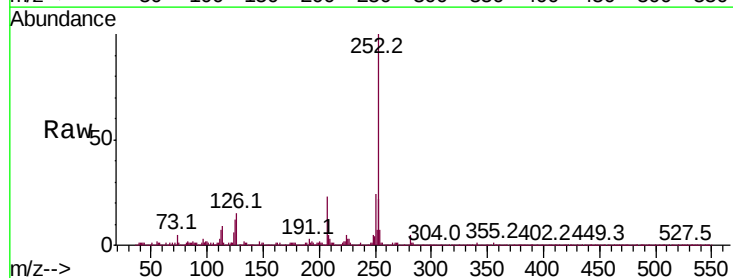
Instrument :
BNA_P
ClientSampled :
351

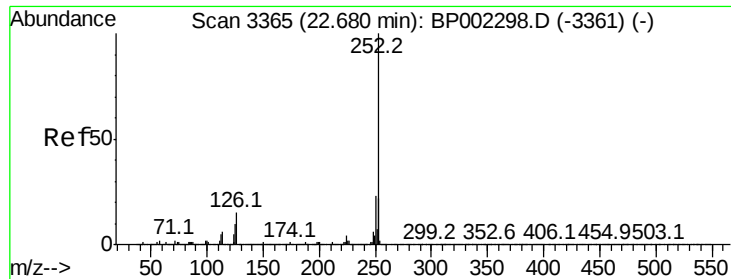
Tot Ion:264 Resp: 1504939
Ion Ratio Lower Upper
264 100
260 22.3 19.4 29.2
265 20.3 17.8 26.6



#88
Benzo(b)fluoranthene
Concen: 5.379 ng
RT: 22.65 min Scan# 3360
Delta R.T. -0.01 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Tgt Ion:252 Resp: 441362
Ion Ratio Lower Upper
252 100
253 21.8 18.2 27.2
125 12.3 7.2 10.8#

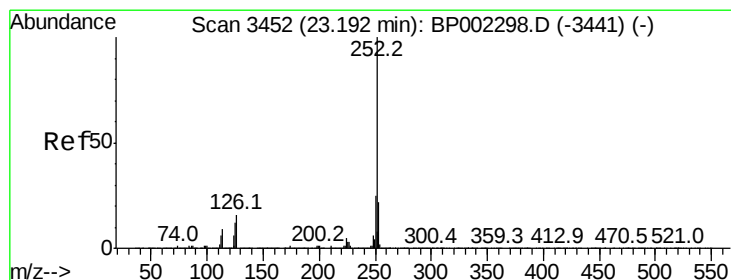
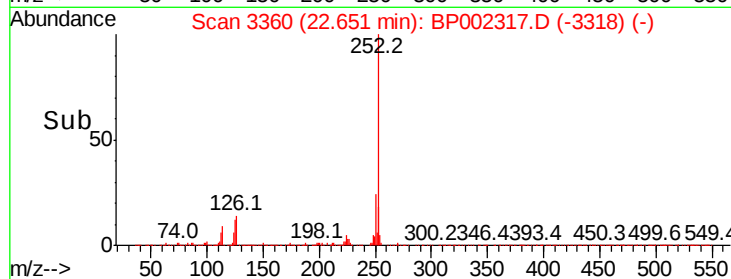
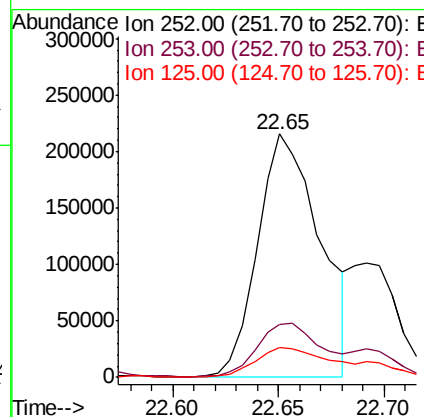
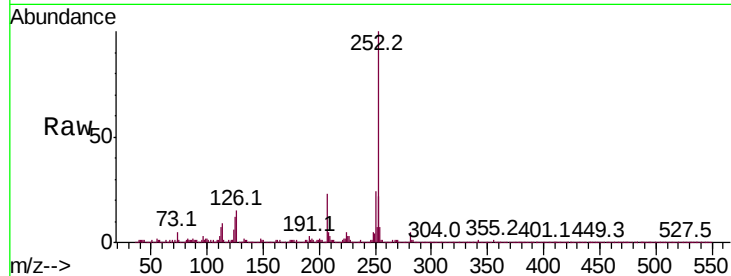




#89
Benzo(k)fluoranthene
Concen: 5.606 ng
RT: 22.65 min Scan# 3360
Delta R.T. -0.05 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Instrument :
BNA_P
ClientSampled :
351

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	12.3	7.4	11.2#



#90
Benzo(a)pyrene
Concen: 2.316 ng
RT: 23.22 min Scan# 3456
Delta R.T. -0.01 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	12.1	8.4	12.6

