

Data File : BF095842.D
Acq On : 10 Jun 2017 2:20
Operator : SJ/MA
Sample : I3457-13
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-6

Quant Time: Jun 10 03:41:39 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 05 16:15:31 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	68021	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	272259	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	116772	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	181805	20.00	ng	-0.03
75) Chrysene-d12	18.33	240	140543	20.00	ng	-0.02
86) Perylene-d12	20.00	264	118586	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	500559	117.26	ng	-0.02
7) Phenol-d6	6.93	99	597551	116.93	ng	-0.03
23) Nitrobenzene-d5	8.29	82	330049	75.29	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	102357	99.07	ng	-0.04
44) 2-Fluorobiphenyl	11.18	172	494057	58.88	ng	-0.04
78) Terphenyl-d14	16.99	244	281332	49.68	ng	-0.03
Target Compounds						Qvalue
48) Acenaphthylene	12.00	152	30663	2.38	ng	97
49) Dimethylphthalate	11.87	163	83357	9.40	ng	98
70) Phenanthrene	14.65	178	46349	4.42	ng	99
71) Anthracene	14.74	178	29477m	2.69	ng	
74) Fluoranthene	16.43	202	171422	16.51	ng	97
77) Pyrene	16.73	202	198425	18.92	ng	96
80) Benzo(a)anthracene	18.32	228	120775	14.78	ng	97
82) Chrysene	18.36	228	114186	13.98	ng	97
85) Indeno(1,2,3-cd)pyrene	21.18	276	44818	6.41	ng	94
87) Benzo(b)fluoranthene	19.60	252	124431m	16.76	ng	
88) Benzo(k)fluoranthene	19.63	252	44830m	6.32	ng	
89) Benzo(a)pyrene	19.94	252	98718	14.46	ng	94
90) Dibenzo(a,h)anthracene	21.17	278	13029	2.25	ng	# 79
91) Benzo(g,h,i)perylene	21.51	276	43827	7.43	ng	98

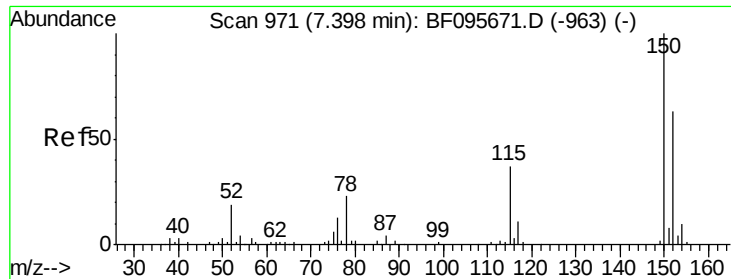
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 20 Sample Multiplier: 1

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Response via : Initial Calibration

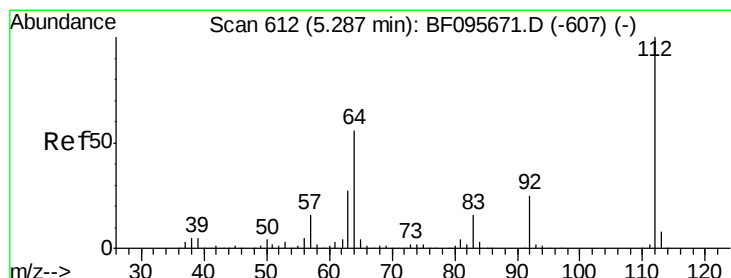
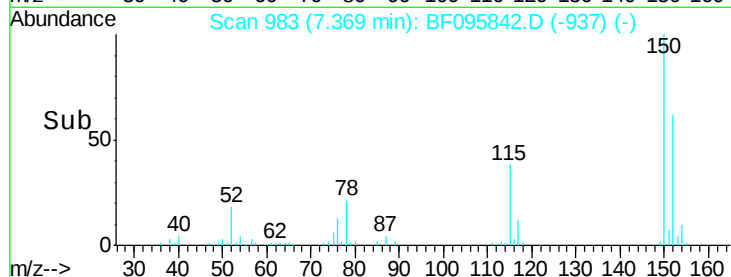
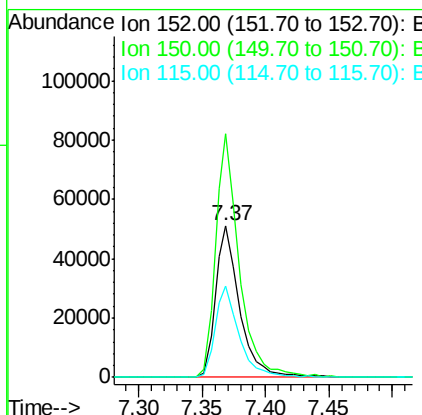
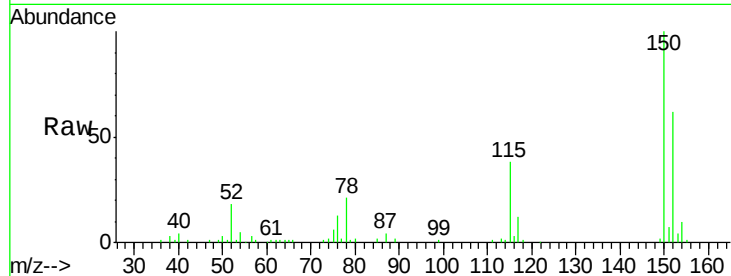




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.37 min Scan# 983
 Delta R.T. -0.03 min
 Lab File: BF095842.D
 Acq: 10 Jun 2017 2:20

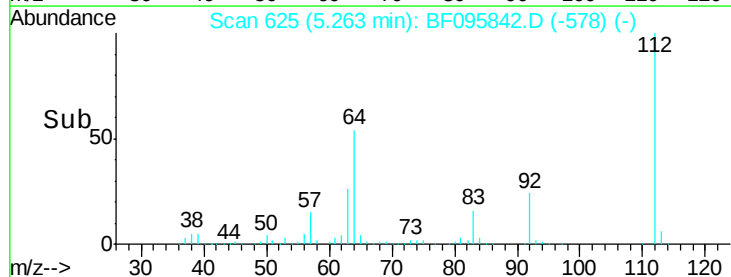
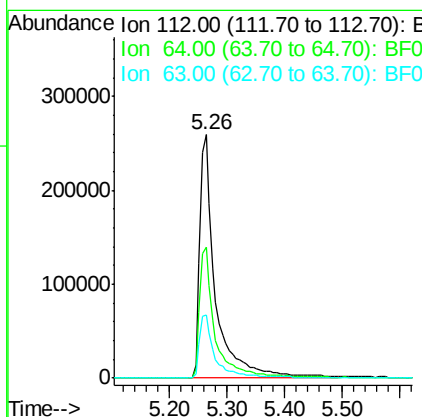
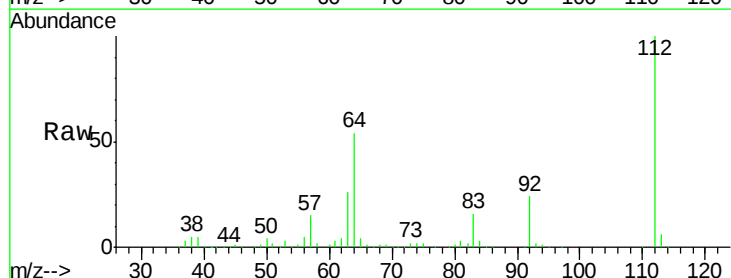
Instrument :
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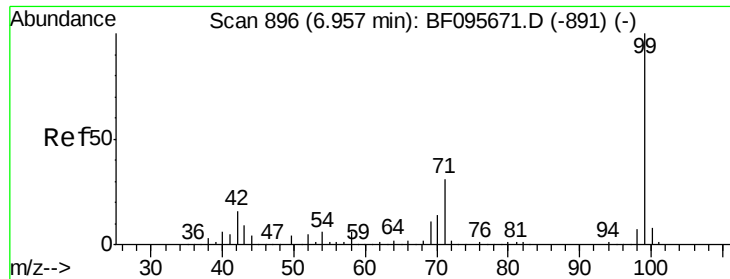
Tgt Ion:152 Resp: 68021
 Ion Ratio Lower Upper
 152 100
 150 160.2 126.2 189.2
 115 60.4 52.2 78.2



#5
 2-Fluorophenol
 Concen: 117.26 ng
 RT: 5.26 min Scan# 625
 Delta R.T. -0.02 min
 Lab File: BF095842.D
 Acq: 10 Jun 2017 2:20

Tgt Ion:112 Resp: 500559
 Ion Ratio Lower Upper
 112 100
 64 53.9 46.0 69.0
 63 26.1 23.4 35.0





#7

Phenol-d6

Concen: 116.93 ng

RT: 6.93 min Scan# 908

Delta R.T. -0.03 min

Lab File: BF095842.D

Acq: 10 Jun 2017 2:20

Instrument :

BNA_F

ClientSampleId :

S-6

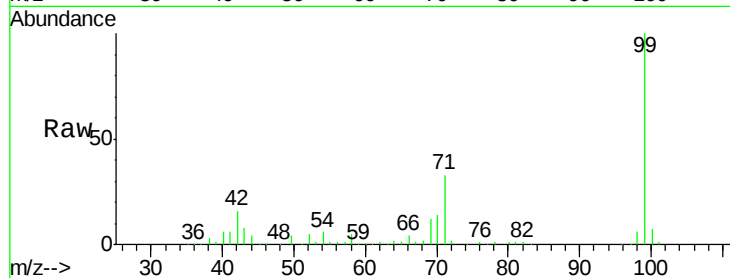
Tgt Ion: 99 Resp: 597551

Ion Ratio Lower Upper

99 100

42 16.3 13.5 20.3

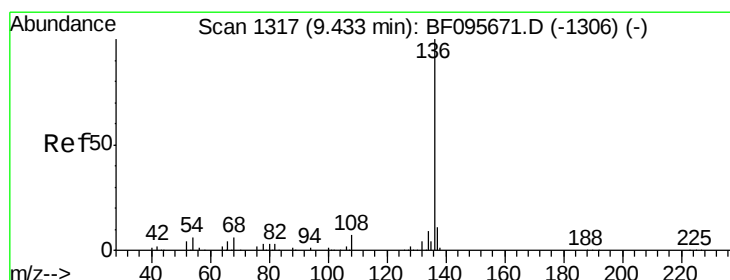
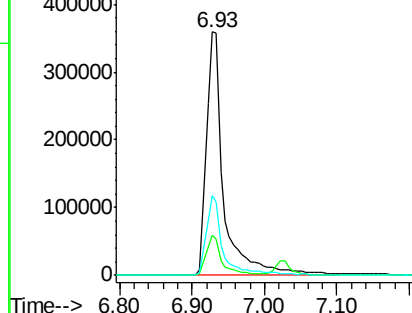
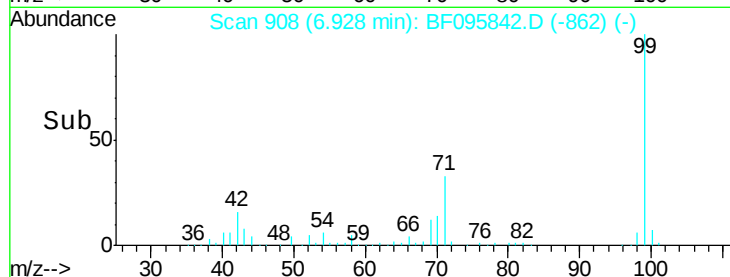
71 32.9 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.40 min Scan# 1328

Delta R.T. -0.04 min

Lab File: BF095842.D

Acq: 10 Jun 2017 2:20

Tgt Ion: 136 Resp: 272259

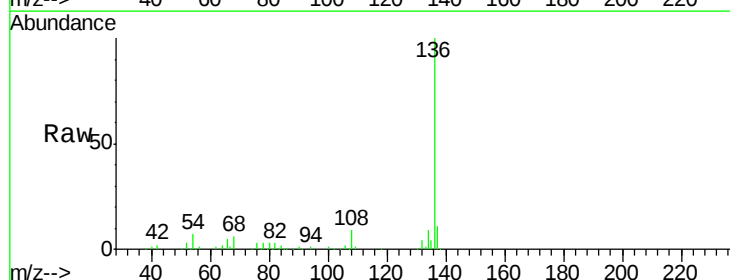
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 7.1 4.9 7.3

68 5.7 4.1 6.1

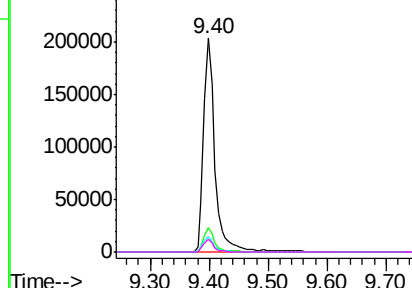
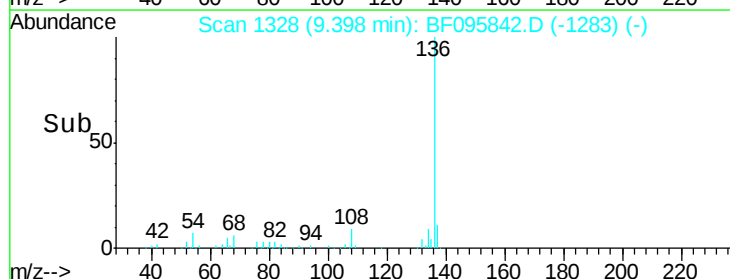


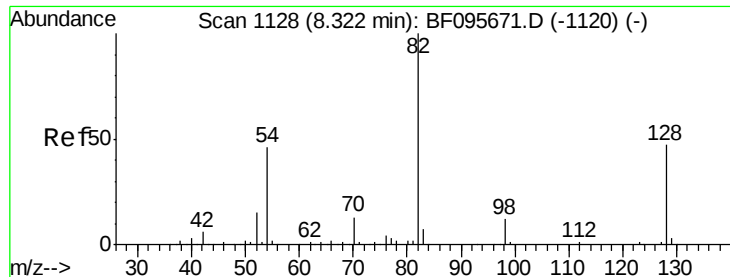
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

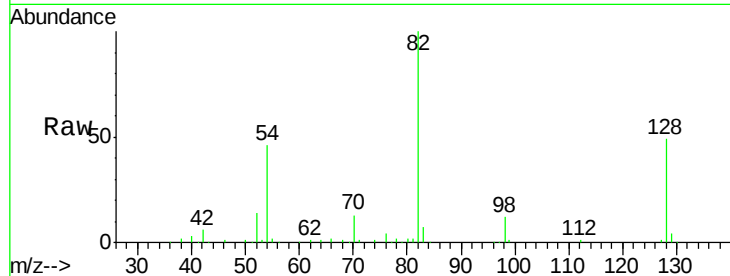




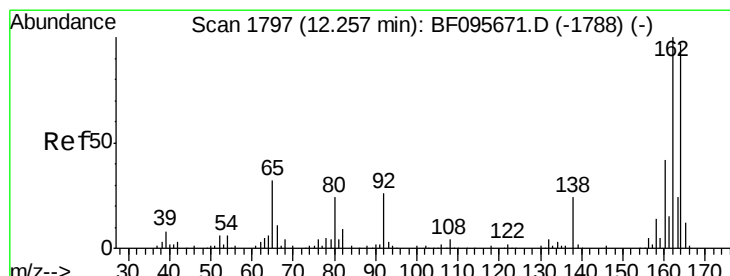
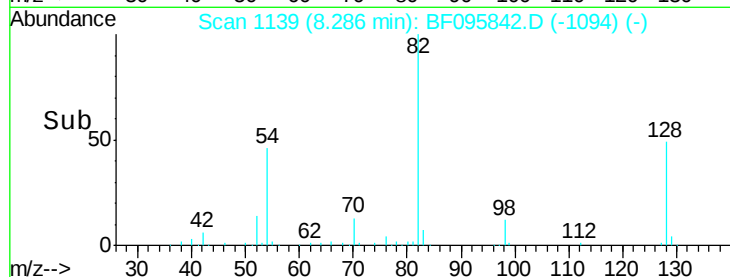
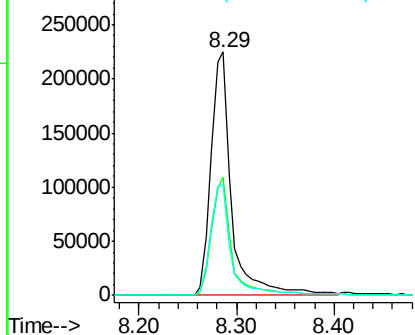
#23
 Nitrobenzene-d5
 Concen: 75.29 ng
 RT: 8.29 min Scan# 1139
 Delta R.T. -0.04 min
 Lab File: BF095842.D
 Acq: 10 Jun 2017 2:20

Instrument :
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 ClientSampleId :
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Tgt Ion: 82 Resp: 330049
 Ion Ratio Lower Upper
 82 100
 128 48.7 34.0 51.0
 54 45.5 42.2 63.2

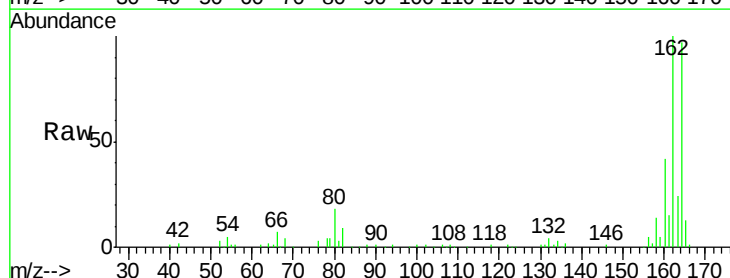


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

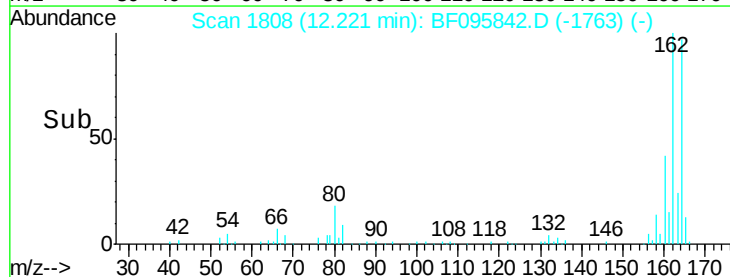
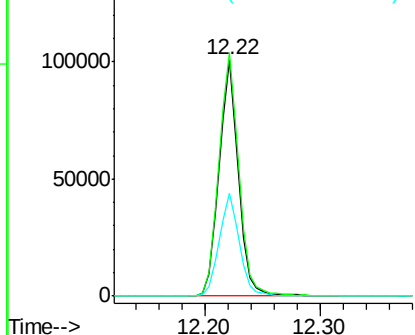


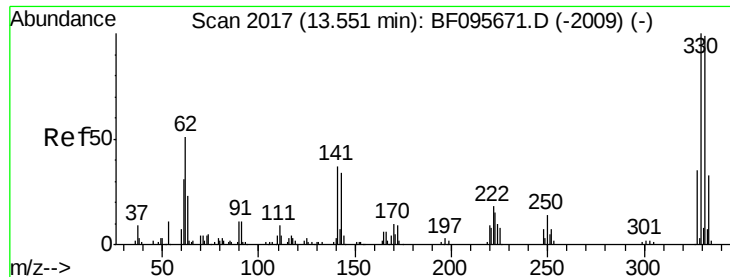
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.22 min Scan# 1808
 Delta R.T. -0.04 min
 Lab File: BF095842.D
 Acq: 10 Jun 2017 2:20

Tgt Ion: 164 Resp: 116772
 Ion Ratio Lower Upper
 164 100
 162 103.2 82.6 123.8
 160 43.4 36.2 54.2



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

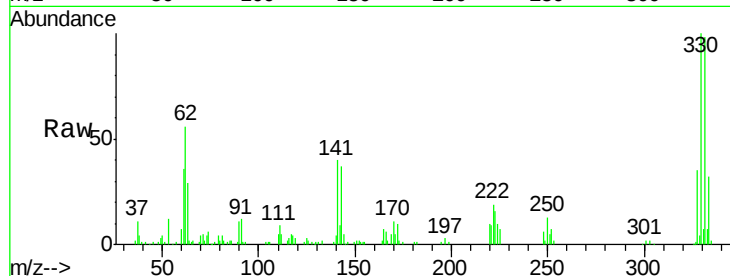




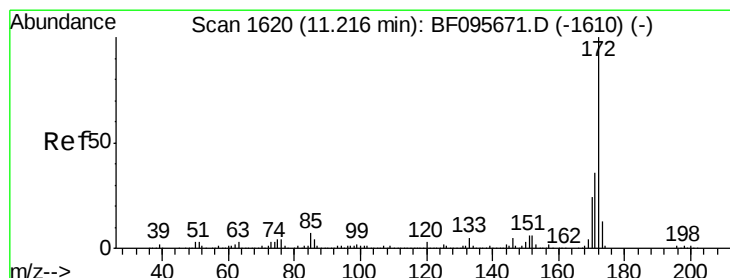
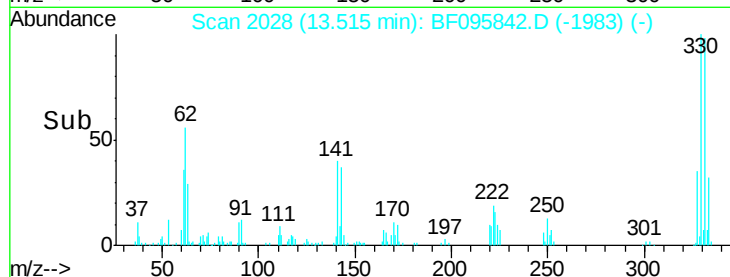
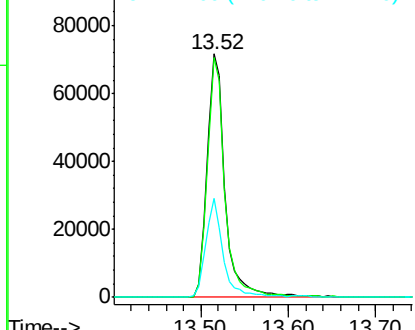
#41
 2,4,6-Tribromophenol
 Concen: 99.07 ng
 RT: 13.52 min Scan# 2028
 Delta R.T. -0.04 min
 Lab File: BF095842.D
 Acq: 10 Jun 2017 2:20

Instrument :
 BNA_F
 ClientSampleID :
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	39.0	31.4	47.2

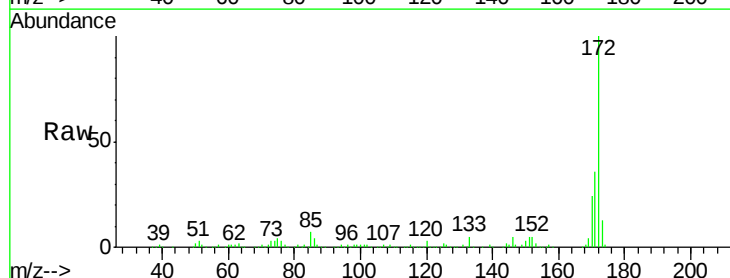


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

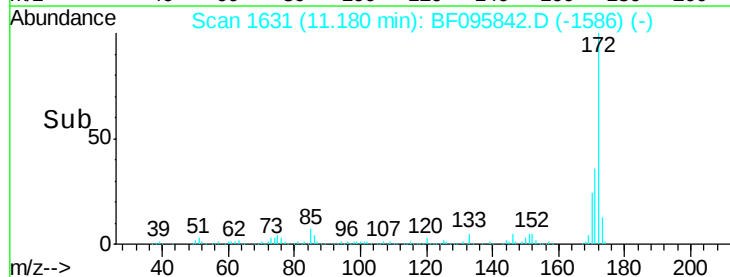
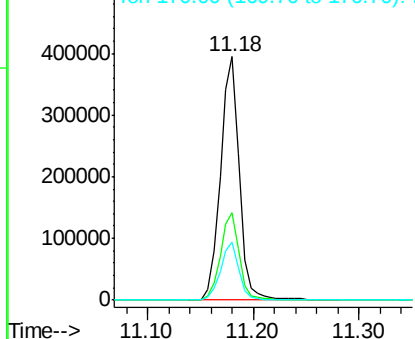


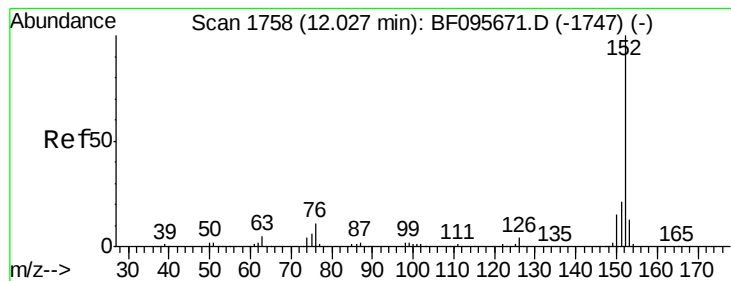
#44
 2-Fluorobiphenyl
 Concen: 58.88 ng
 RT: 11.18 min Scan# 1631
 Delta R.T. -0.04 min
 Lab File: BF095842.D
 Acq: 10 Jun 2017 2:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	24.0	19.8	29.8



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





#48

Acenaphthylene

Concen: 2.38 ng

RT: 12.00 min Scan# 1770

Delta R.T. -0.03 min

Lab File: BF095842.D

Acq: 10 Jun 2017 2:20

Instrument :

BNA_F

ClientSampled :

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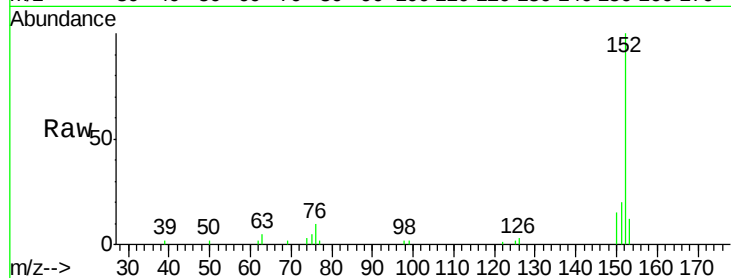
Tgt Ion:152 Resp: 30663

Ion Ratio Lower Upper

152 100

151 19.6 16.8 25.2

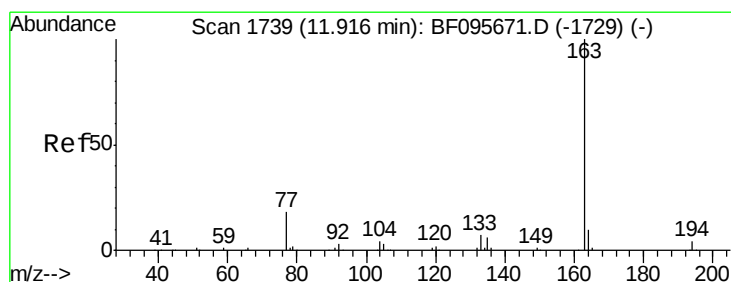
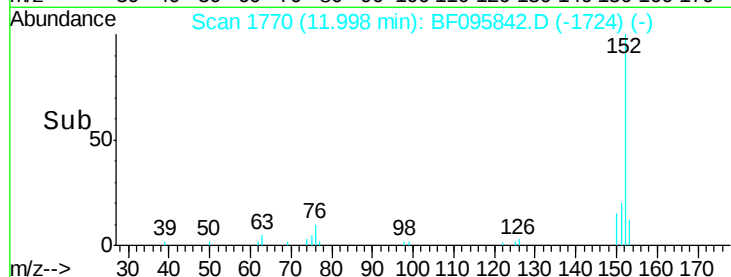
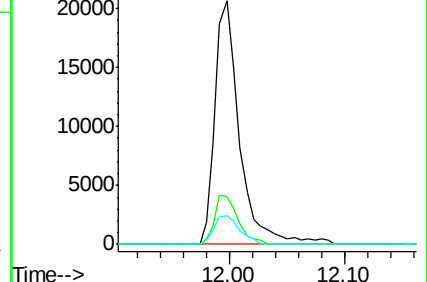
153 11.9 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 9.40 ng

RT: 11.87 min Scan# 1749

Delta R.T. -0.04 min

Lab File: BF095842.D

Acq: 10 Jun 2017 2:20

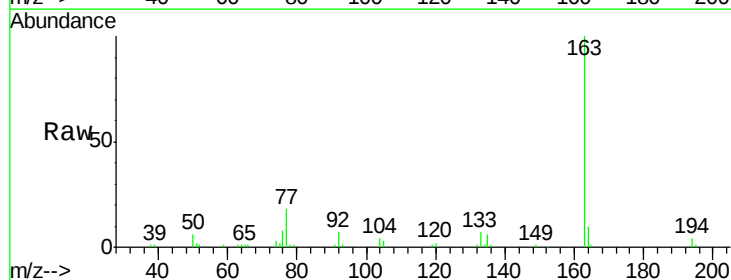
Tgt Ion:163 Resp: 83357

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

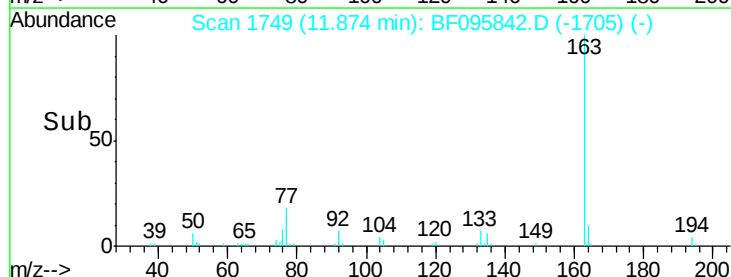
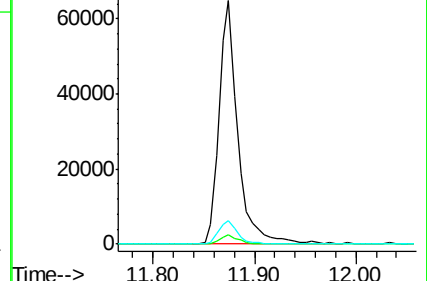
164 9.8 8.4 12.6

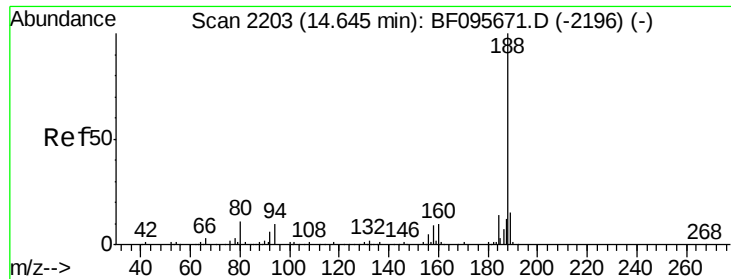


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

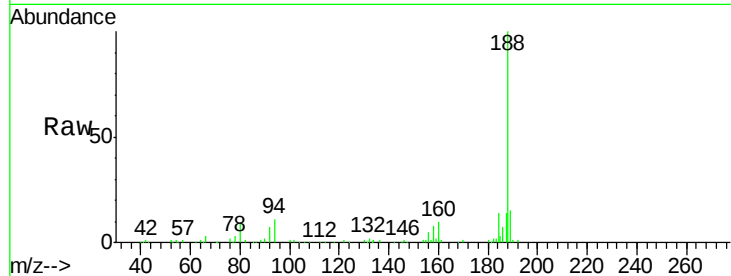




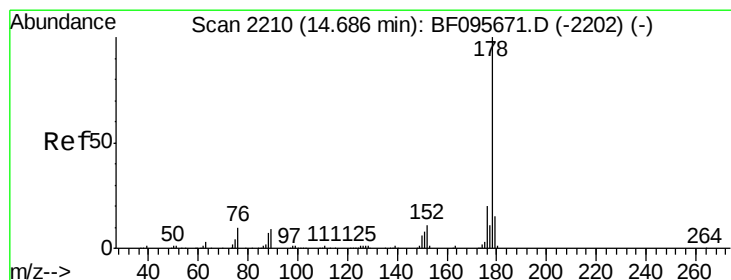
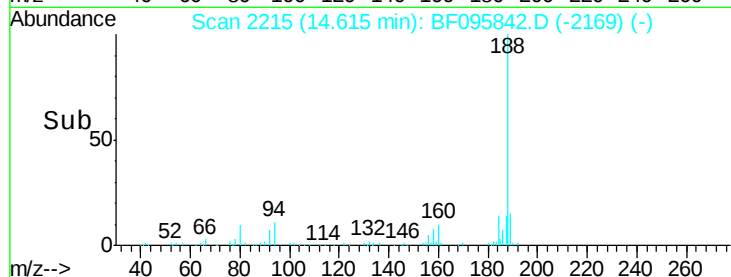
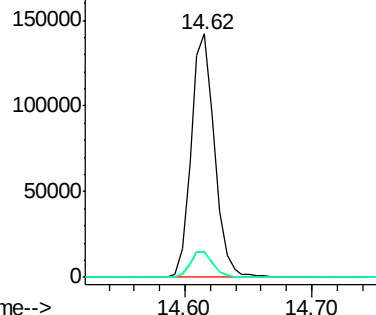
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF095842.D
Acq: 10 Jun 2017 2:20

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Tgt Ion:188 Resp: 181805
Ion Ratio Lower Upper
188 100
94 10.5 9.4 14.2
80 10.3 10.2 15.2

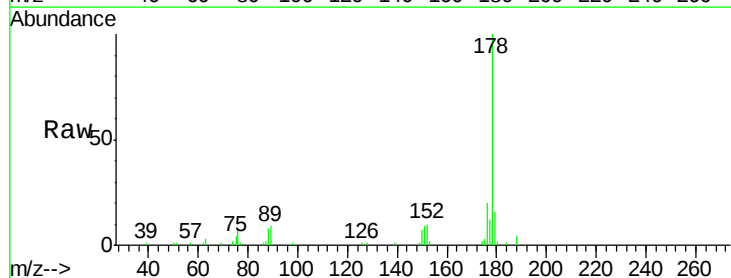


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

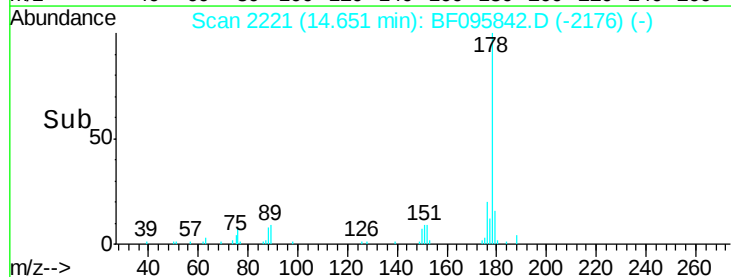
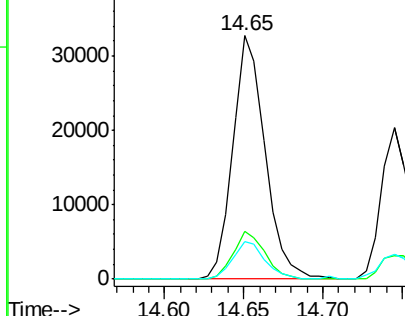


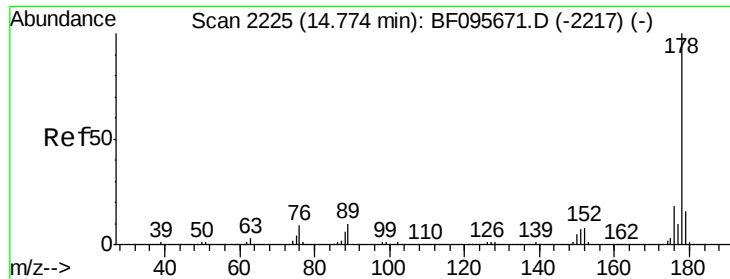
#70
Phenanthrene
Concen: 4.42 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.04 min
Lab File: BF095842.D
Acq: 10 Jun 2017 2:20

Tgt Ion:178 Resp: 46349
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.4
179 15.6 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

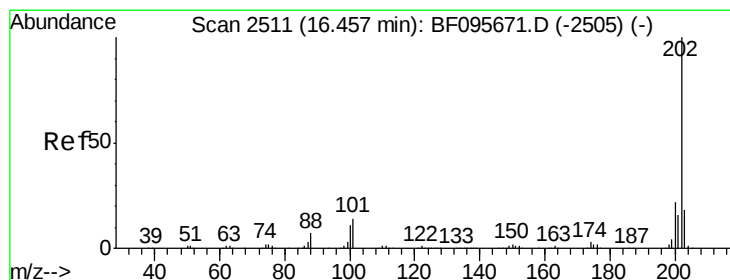
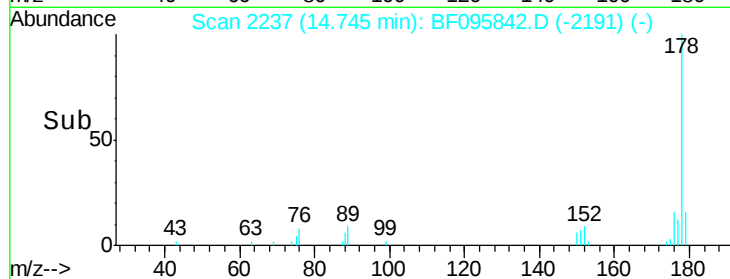
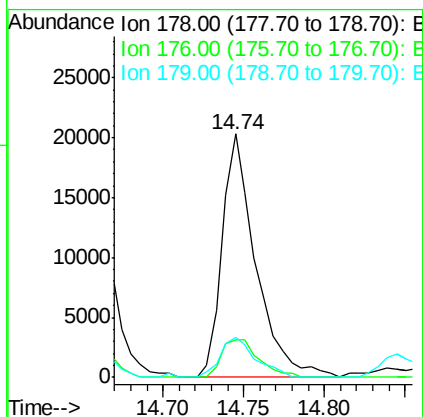
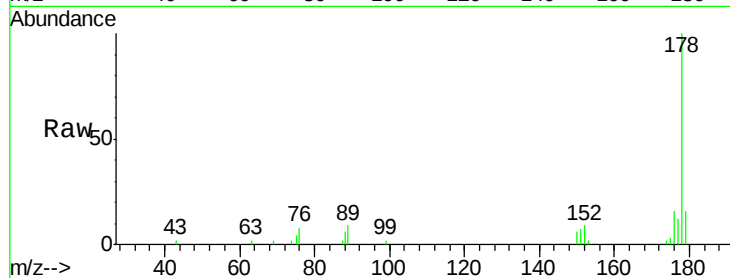




#71
 Anthracene
 Concen: 2.69 ng m
 RT: 14.74 min Scan# 2237
 Delta R.T. -0.03 min
 Lab File: BF095842.D
 Acq: 10 Jun 2017 2:20

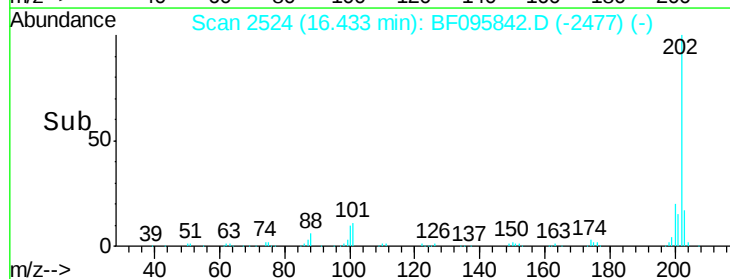
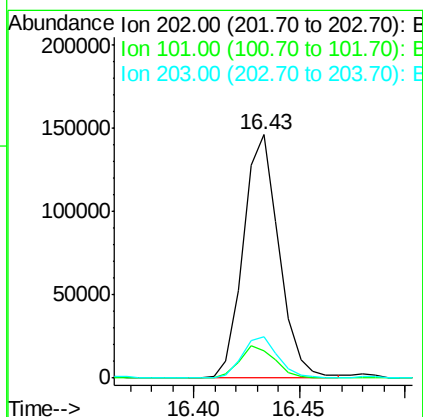
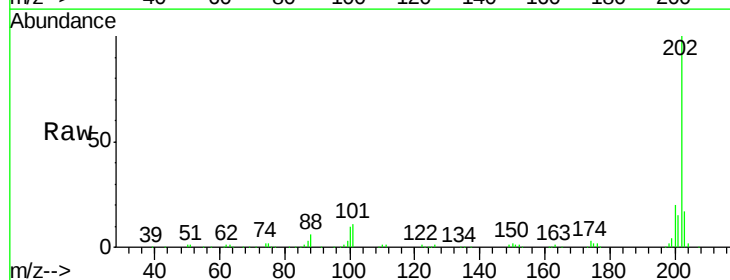
Instrument :
 BNA_F
 ClientSampleId :
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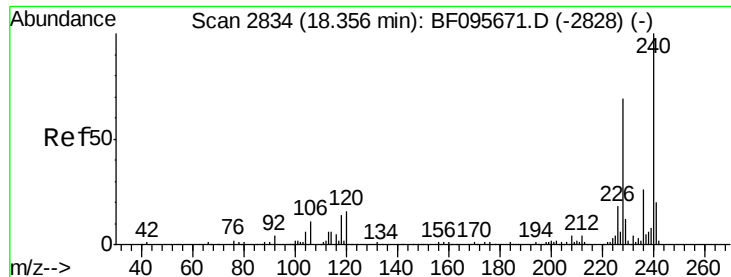
Tgt Ion:178 Resp: 29477
 Ion Ratio Lower Upper
 178 100
 176 15.6 15.8 23.8#
 179 16.4 12.7 19.1



#74
 Fluoranthene
 Concen: 16.51 ng
 RT: 16.43 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BF095842.D
 Acq: 10 Jun 2017 2:20

Tgt Ion:202 Resp: 171422
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 33.2
 203 17.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.33 min Scan# 2847

Delta R.T. -0.02 min

Lab File: BF095842.D

Acq: 10 Jun 2017 2:20

Instrument :

BNA_F

ClientSampleId :

S-6

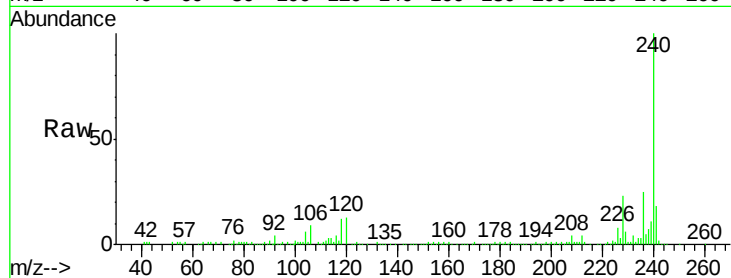
Tgt Ion:240 Resp: 140543

Ion Ratio Lower Upper

240 100

120 13.4 5.8 8.8#

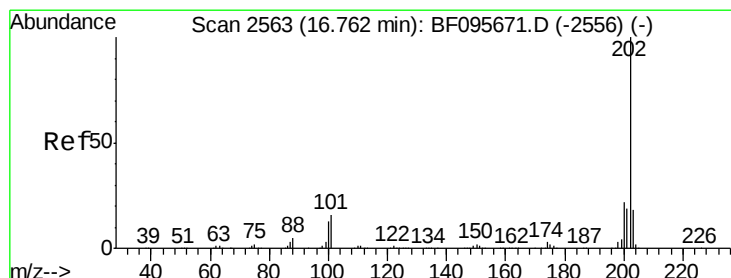
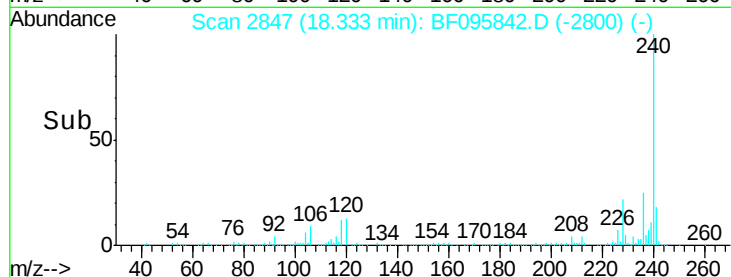
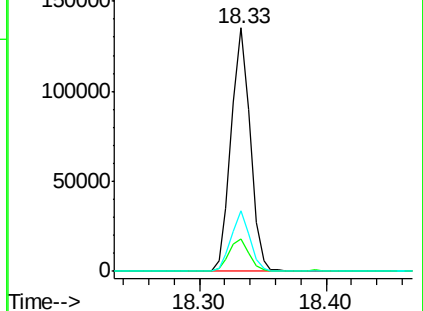
236 24.9 20.5 30.7



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



#77

Pyrene

Concen: 18.92 ng

RT: 16.73 min Scan# 2575

Delta R.T. -0.03 min

Lab File: BF095842.D

Acq: 10 Jun 2017 2:20

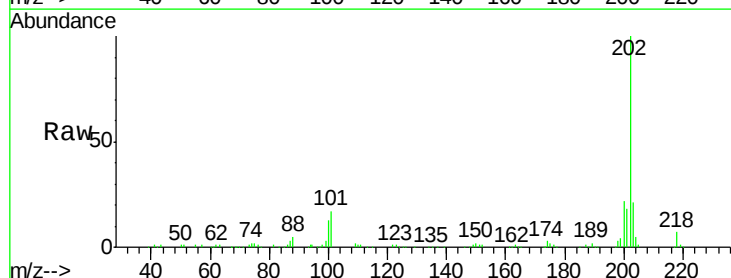
Tgt Ion:202 Resp: 198425

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

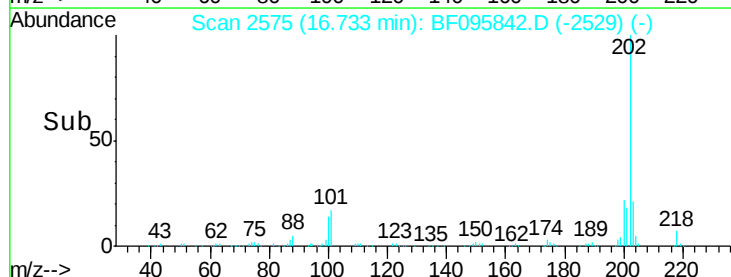
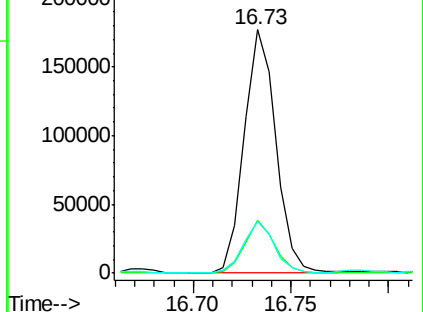
203 21.1 14.4 21.6

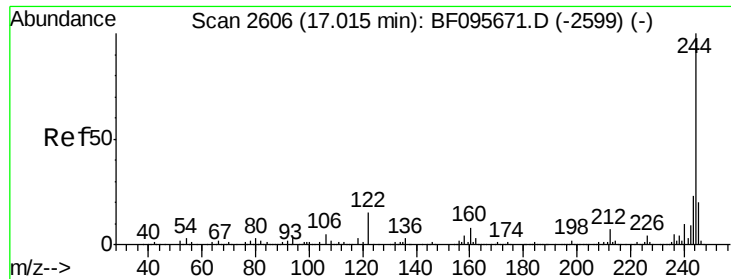


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

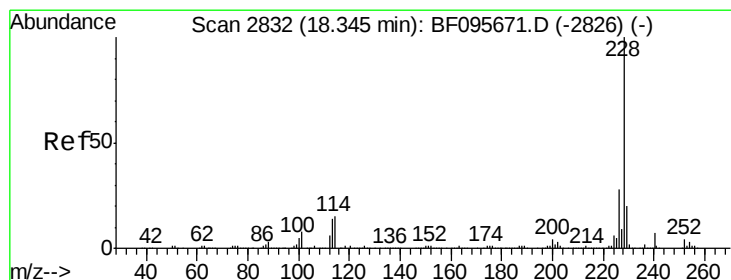
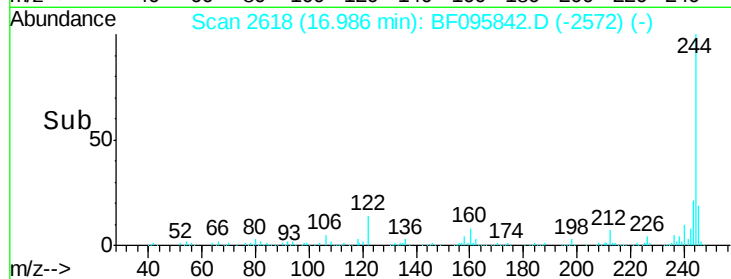
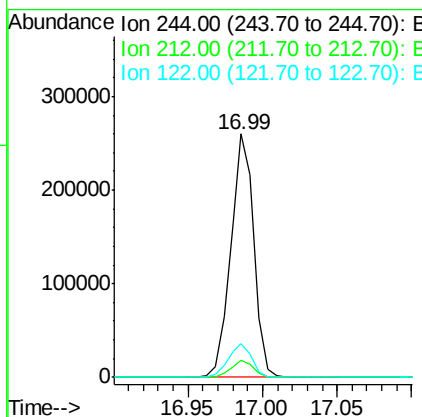
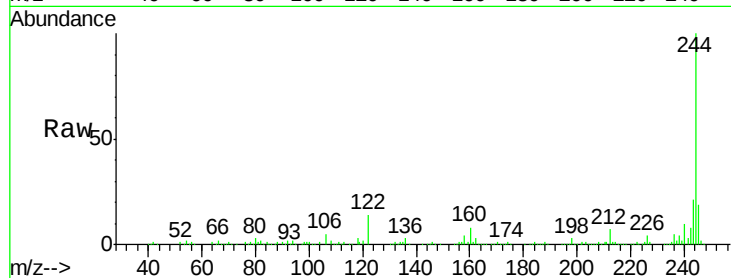




#78
 Terphenyl-d14
 Concen: 49.68 ng
 RT: 16.99 min Scan# 2618
 Delta R.T. -0.03 min
 Lab File: BF095842.D
 Acq: 10 Jun 2017 2:20

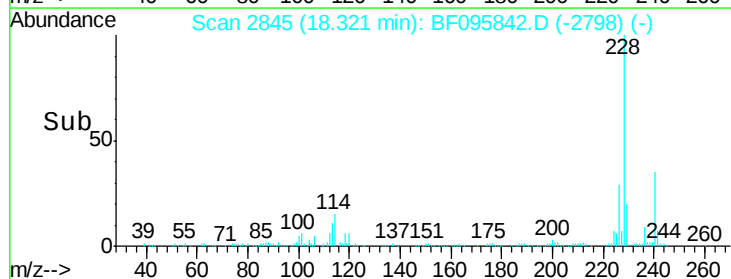
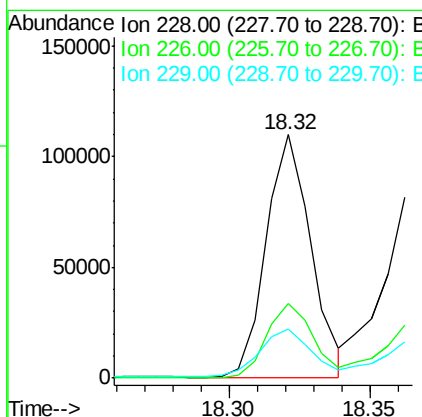
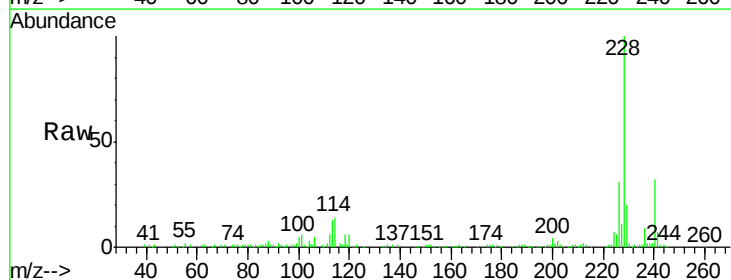
Instrument :
 BNA_F
 ClientSampleId :
 S-6

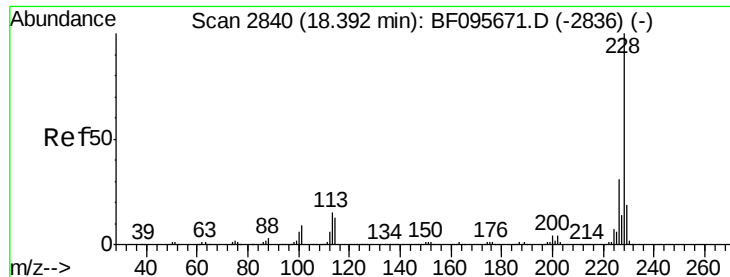
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	13.8	10.3	15.5



#80
 Benzo(a)anthracene
 Concen: 14.78 ng
 RT: 18.32 min Scan# 2845
 Delta R.T. -0.02 min
 Lab File: BF095842.D
 Acq: 10 Jun 2017 2:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.6	33.8
229	20.2	16.3	24.5





#82

Chrysene

Concen: 13.98 ng

RT: 18.36 min Scan# 2852

Delta R.T. -0.03 min

Lab File: BF095842.D

Acq: 10 Jun 2017 2:20

Instrument :

BNA_F

ClientSampled :

S-6

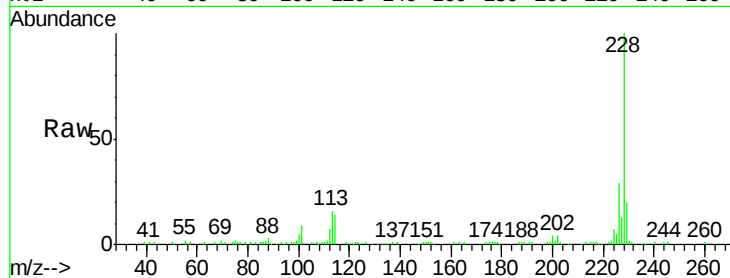
Tgt Ion:228 Resp: 114186

Ion Ratio Lower Upper

228 100

226 29.2 24.9 37.3

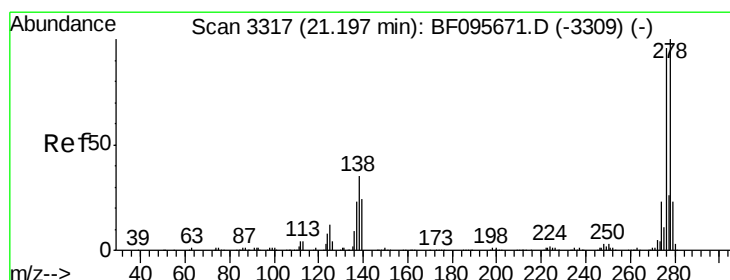
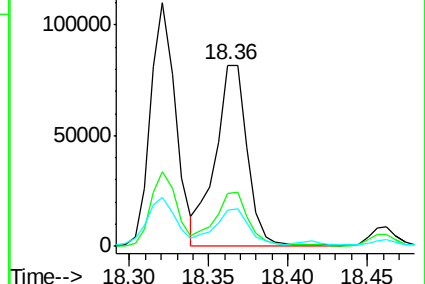
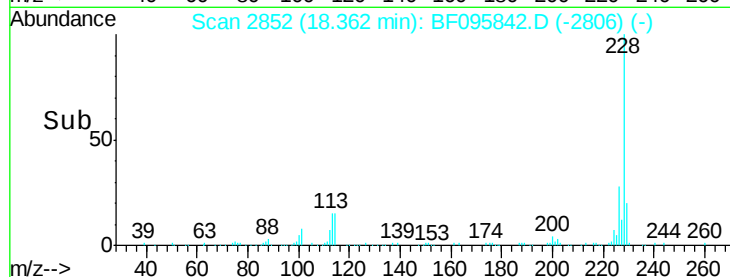
229 20.3 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.41 ng

RT: 21.18 min Scan# 3331

Delta R.T. -0.02 min

Lab File: BF095842.D

Acq: 10 Jun 2017 2:20

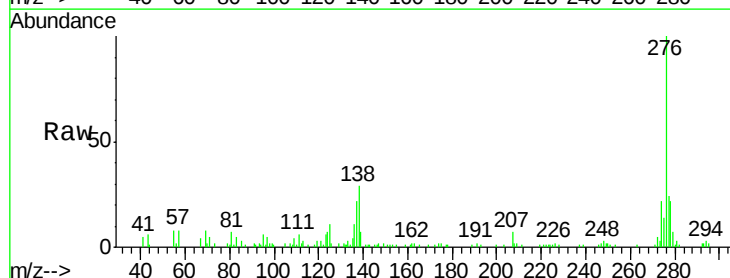
Tgt Ion:276 Resp: 44818

Ion Ratio Lower Upper

276 100

138 31.4 27.8 41.6

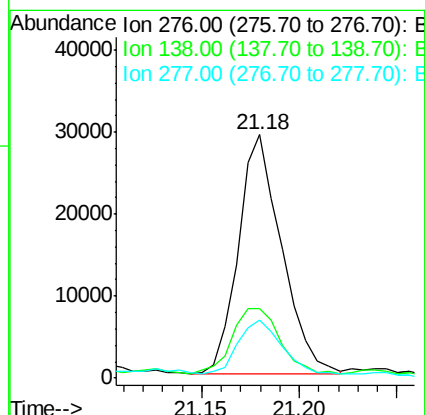
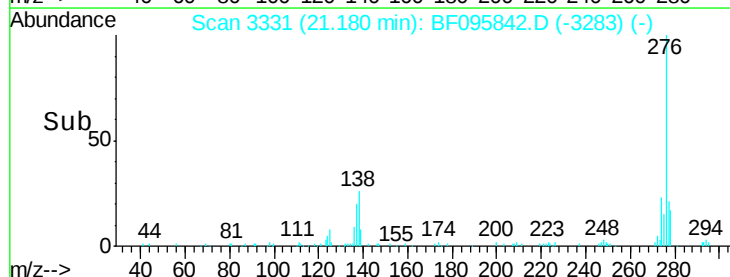
277 22.3 20.2 30.4

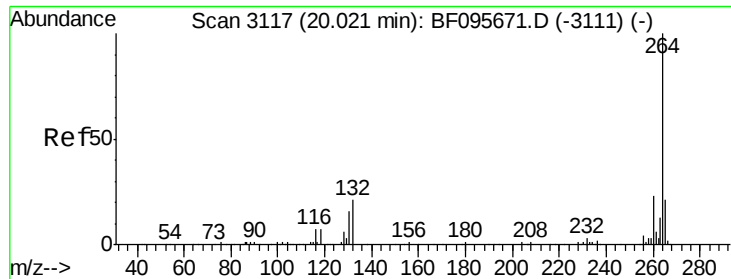


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



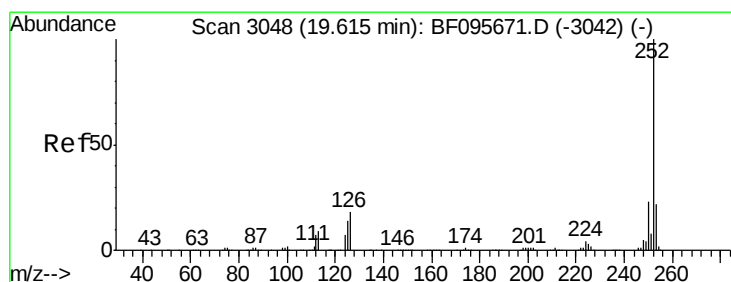
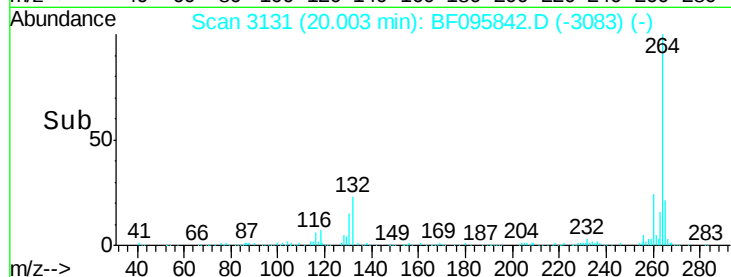
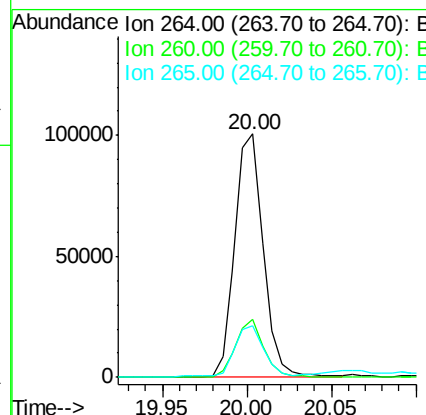
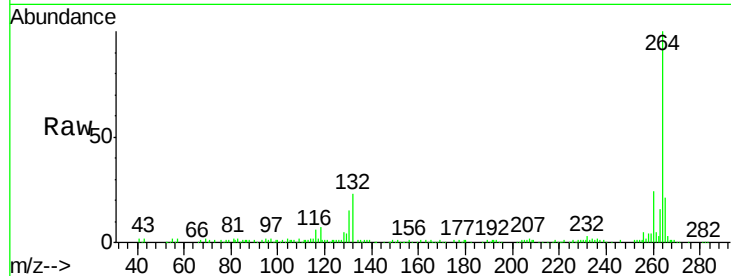


#86
Perylene-d12
Concen: 20.00 ng
RT: 20.00 min Scan# 3131
Delta R.T. -0.02 min
Lab File: BF095842.D
Acq: 10 Jun 2017 2:20

Instrument :
BNA_F
ClientSampleId :
S-6

Tgt Ion: 264 Resp: 118586

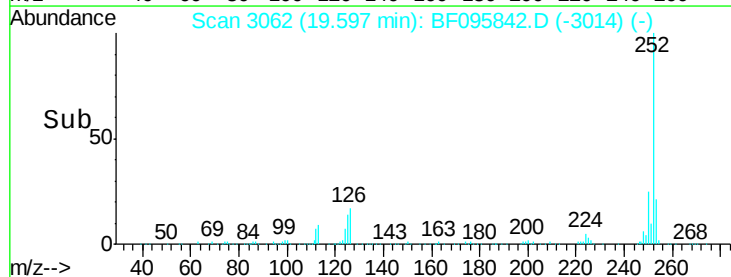
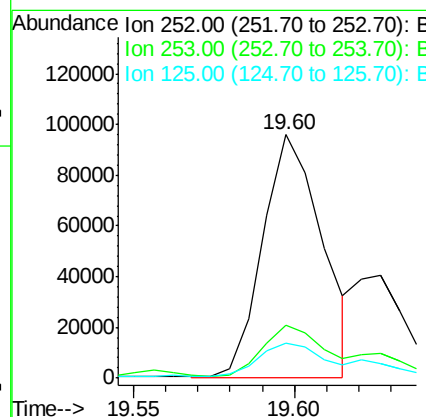
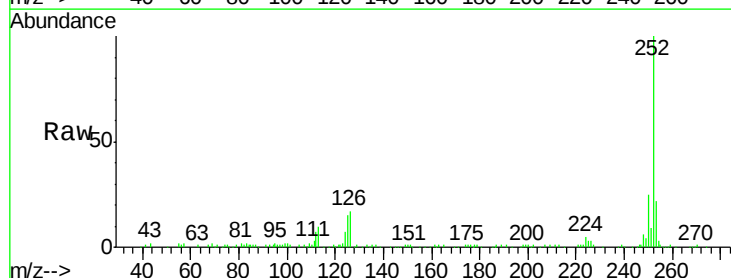
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.0	17.2	25.8

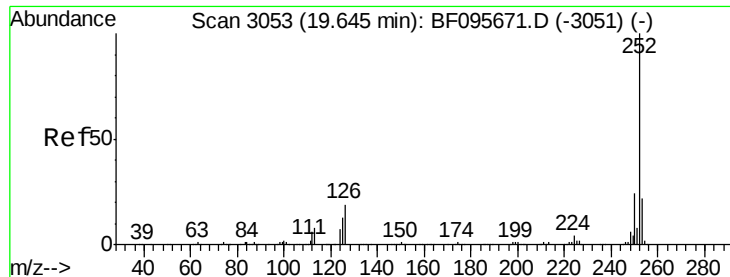


#87
Benzo(b)fluoranthene
Concen: 16.76 ng m
RT: 19.60 min Scan# 3062
Delta R.T. -0.02 min
Lab File: BF095842.D
Acq: 10 Jun 2017 2:20

Tgt Ion: 252 Resp: 124431

Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	14.5	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 6.32 ng m

RT: 19.63 min Scan# 3067

Delta R.T. -0.02 min

Lab File: BF095842.D

Acq: 10 Jun 2017 2:20

Instrument :

BNA_F

ClientSampleId :

S-6

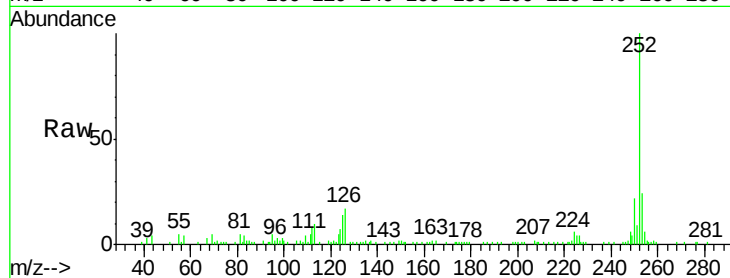
Tgt Ion:252 Resp: 44830

Ion Ratio Lower Upper

252 100

253 23.9 18.4 27.6

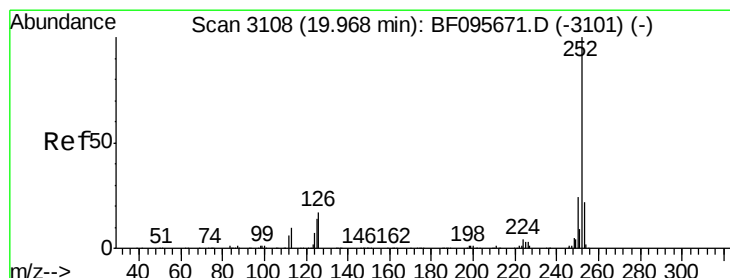
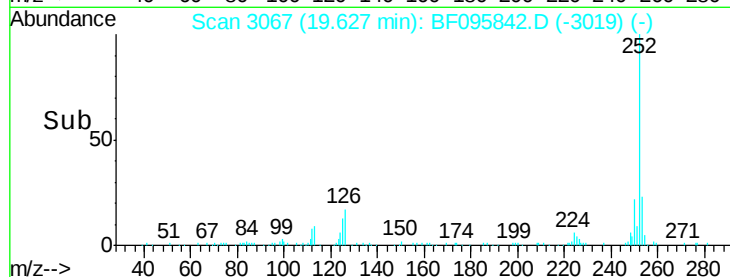
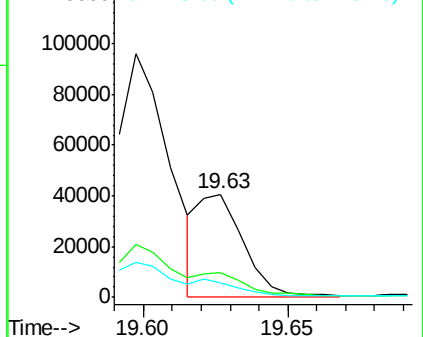
125 14.2 13.1 19.7



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



#89

Benzo(a)pyrene

Concen: 14.46 ng

RT: 19.94 min Scan# 3121

Delta R.T. -0.02 min

Lab File: BF095842.D

Acq: 10 Jun 2017 2:20

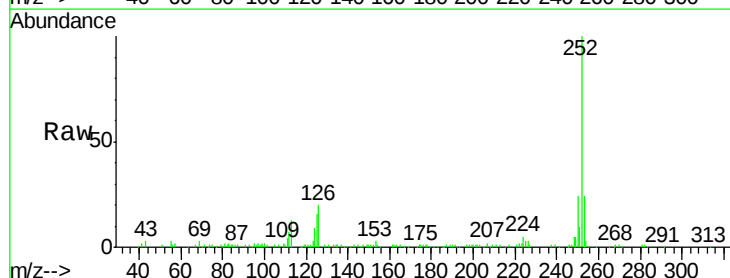
Tgt Ion:252 Resp: 98718

Ion Ratio Lower Upper

252 100

253 24.4 17.5 26.3

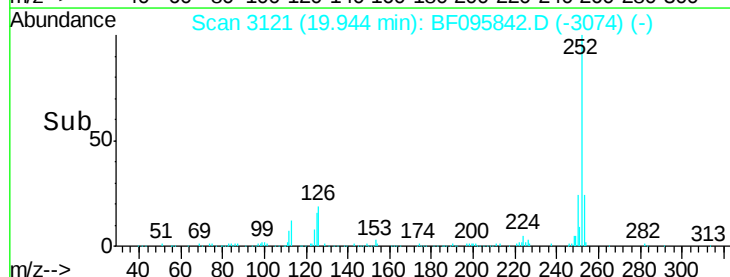
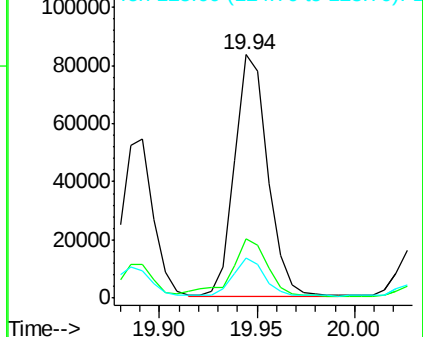
125 16.3 11.0 16.4

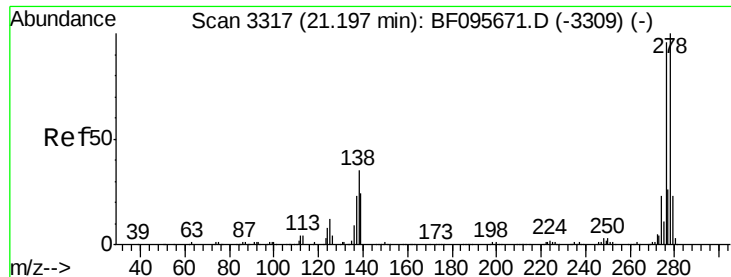


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.25 ng

RT: 21.17 min Scan# 3330

Delta R.T. -0.02 min

Lab File: BF095842.D

Acq: 10 Jun 2017 2:20

Instrument :

BNA_F

ClientSampleId :

S-6

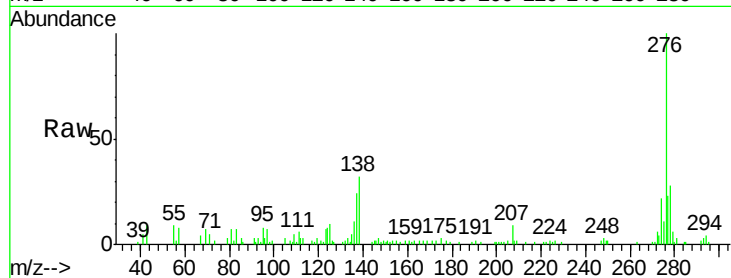
Tgt Ion: 278 Resp: 13029

Ion Ratio Lower Upper

278 100

139 0.0 16.6 24.8#

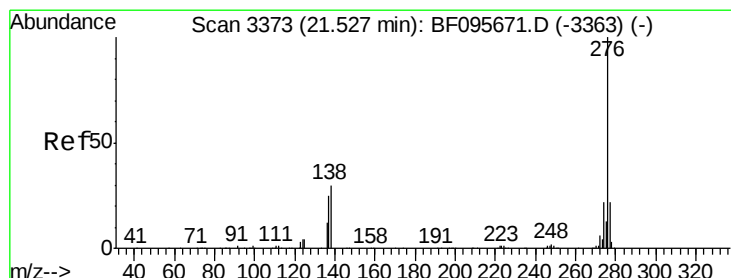
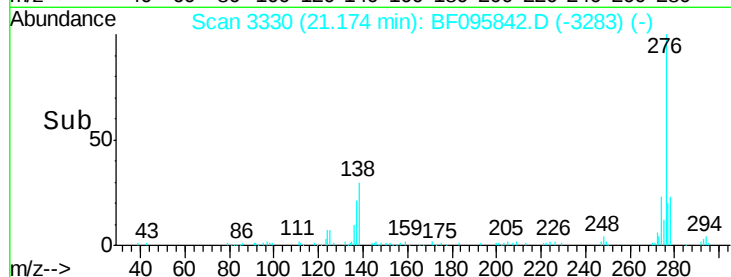
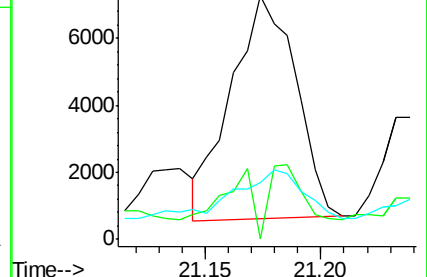
279 23.5 19.3 28.9



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



#91

Benzo(g,h,i)perylene

Concen: 7.43 ng

RT: 21.51 min Scan# 3388

Delta R.T. -0.01 min

Lab File: BF095842.D

Acq: 10 Jun 2017 2:20

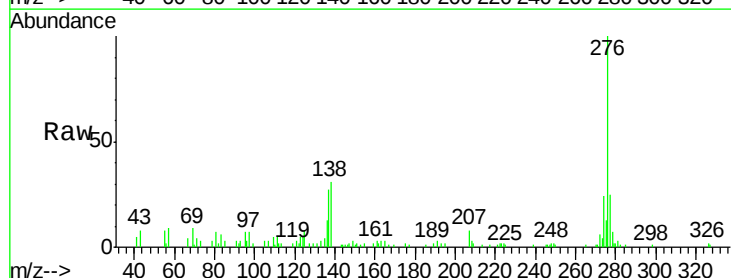
Tgt Ion: 276 Resp: 43827

Ion Ratio Lower Upper

276 100

277 24.9 18.6 28.0

138 30.9 25.4 38.0



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

