

Data File : BF095822.D
Acq On : 9 Jun 2017 15:28
Operator : SJ/MA
Sample : I3457-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-10

Quant Time: Jun 10 01:22:40 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	66066	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	279626	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	123959	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	203499	20.00	ng	-0.03
75) Chrysene-d12	18.33	240	139545	20.00	ng	-0.02
86) Perylene-d12	20.00	264	128910	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	483662	116.65	ng	-0.02
7) Phenol-d6	6.93	99	583162	117.49	ng	-0.03
23) Nitrobenzene-d5	8.28	82	283885	63.05	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	96650	88.12	ng	-0.04
44) 2-Fluorobiphenyl	11.18	172	401827	45.11	ng	-0.04
78) Terphenyl-d14	16.99	244	237389	42.22	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.28	70	34602	11.00	ng	# 77
49) Dimethylphthalate	11.87	163	109230	11.61	ng	100
55) 4-Nitrophenol	12.57	139	2851	6.55	ng	# 25
70) Phenanthrene	14.65	178	207341	17.66	ng	98
71) Anthracene	14.74	178	47129	3.84	ng	96
74) Fluoranthene	16.43	202	268637	23.12	ng	97
77) Pyrene	16.73	202	229740	22.06	ng	97
80) Benzo(a)anthracene	18.32	228	90848	11.20	ng	99
82) Chrysene	18.36	228	87611	10.81	ng	96
83) Bis(2-ethylhexyl)phthalate	18.41	149	25638	4.00	ng	# 99
85) Indeno(1,2,3-cd)pyrene	21.18	276	36421	5.25	ng	94
87) Benzo(b)fluoranthene	19.60	252	131536	16.30	ng	98
88) Benzo(k)fluoranthene	19.60	252	131536	17.05	ng	98
89) Benzo(a)pyrene	19.94	252	71815	9.68	ng	96
91) Benzo(g,h,i)perylene	21.51	276	36030	5.62	ng	98

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

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ClientSampleId :

S-10

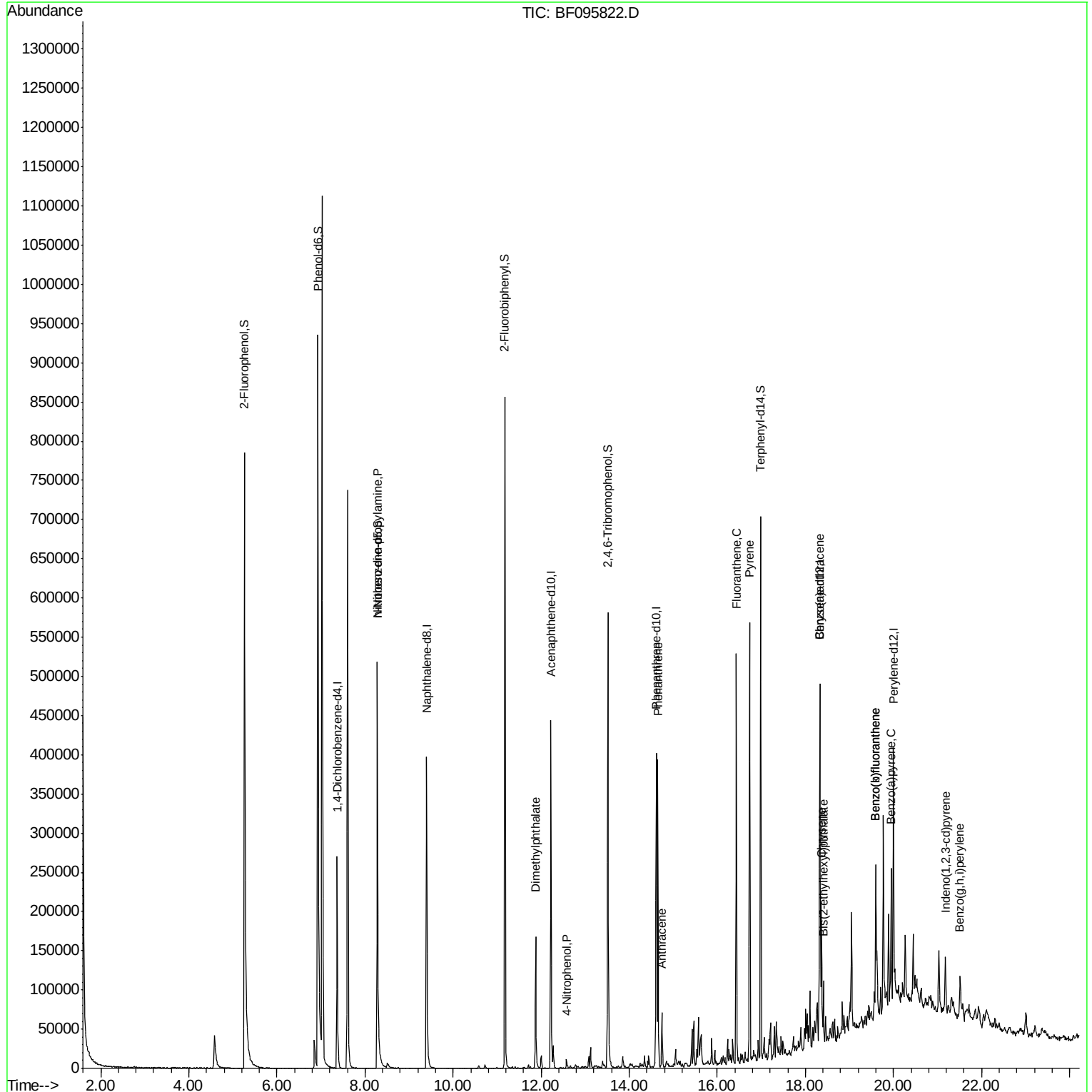
Quant Time: Jun 10 01:22:40 2017

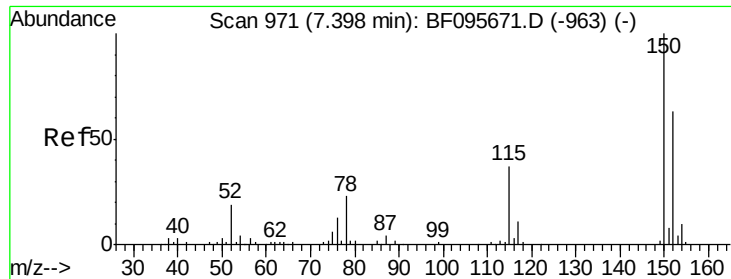
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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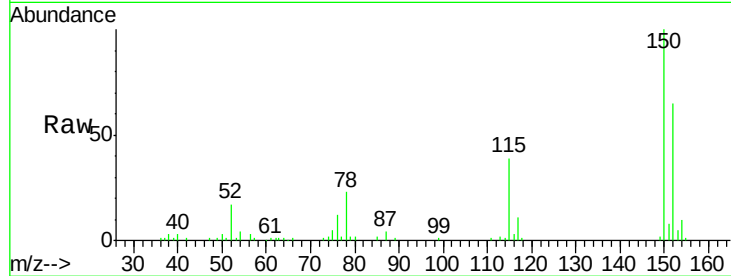


#1

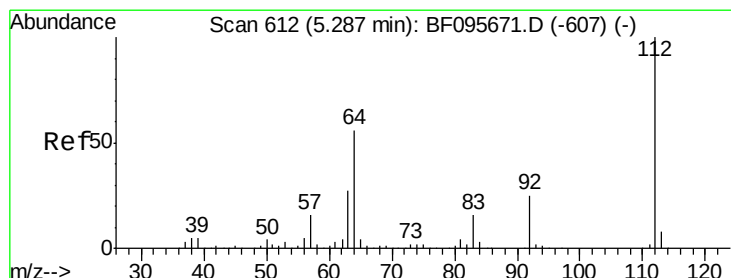
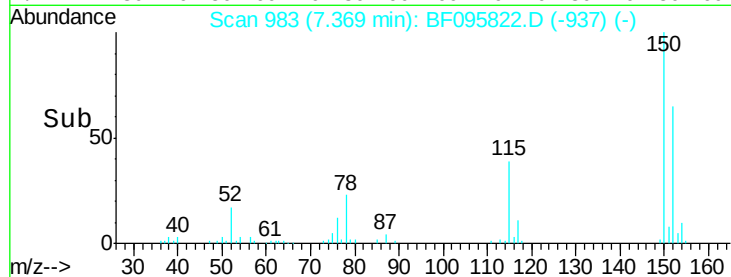
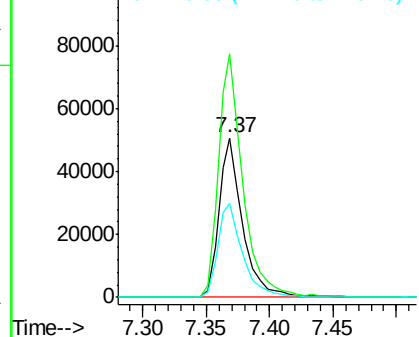
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.37 min Scan# 983
 Delta R.T. -0.03 min
 Lab File: BF095822.D
 Acq: 9 Jun 2017 15:28

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:152 Resp: 66066
 Ion Ratio Lower Upper
 152 100
 150 152.9 126.2 189.2
 115 59.3 52.2 78.2



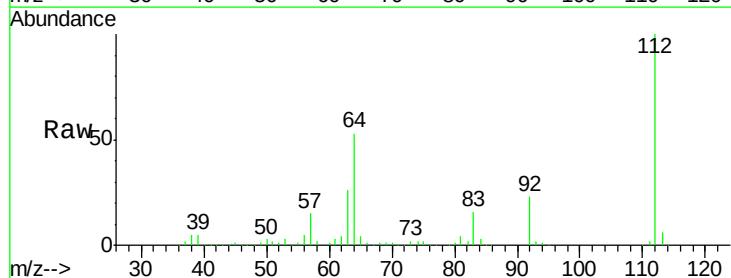
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



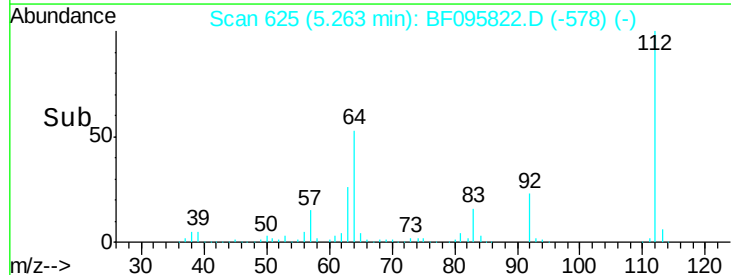
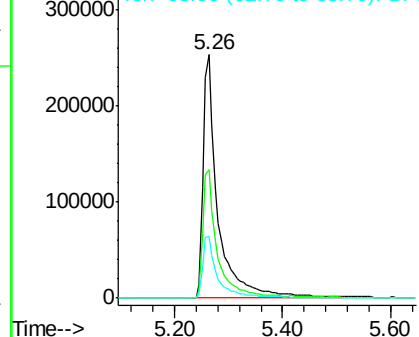
#5

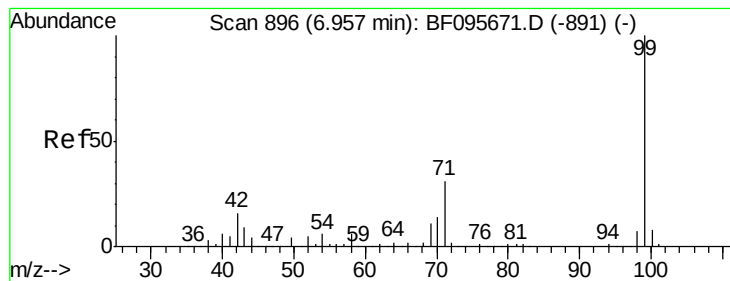
2-Fluorophenol
 Concen: 116.65 ng
 RT: 5.26 min Scan# 625
 Delta R.T. -0.02 min
 Lab File: BF095822.D
 Acq: 9 Jun 2017 15:28

Tgt Ion:112 Resp: 483662
 Ion Ratio Lower Upper
 112 100
 64 53.0 46.0 69.0
 63 25.6 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 117.49 ng

RT: 6.93 min Scan# 908

Delta R.T. -0.03 min

Lab File: BF095822.D

Acq: 9 Jun 2017 15:28

Instrument :

BNA_F

ClientSampled :

S-10

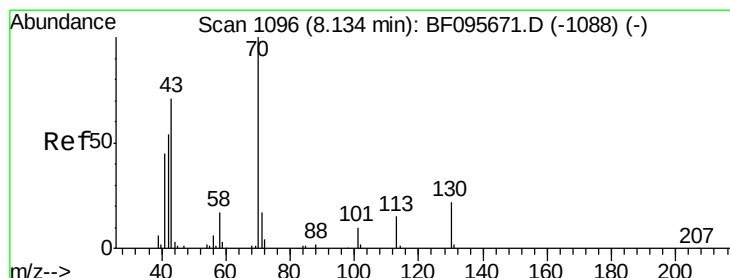
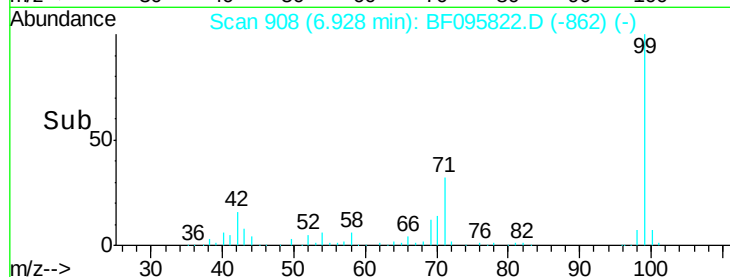
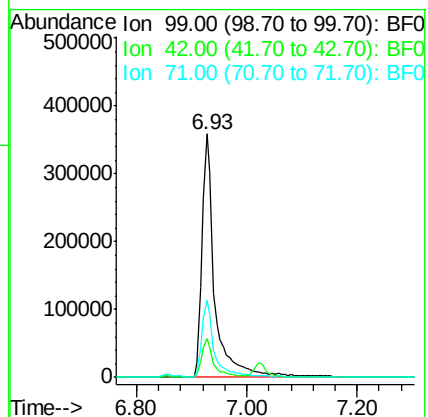
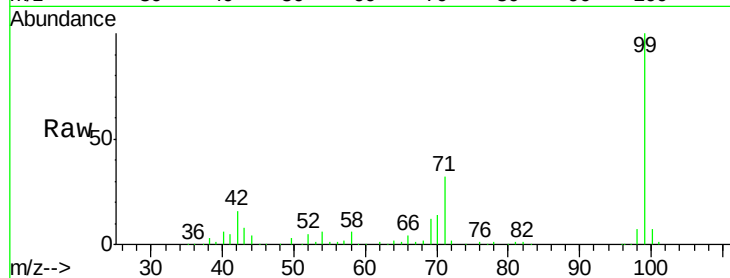
Tgt Ion: 99 Resp: 583162

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

71 31.9 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 11.00 ng

RT: 8.28 min Scan# 1138

Delta R.T. 0.15 min

Lab File: BF095822.D

Acq: 9 Jun 2017 15:28

Tgt Ion: 70 Resp: 34602

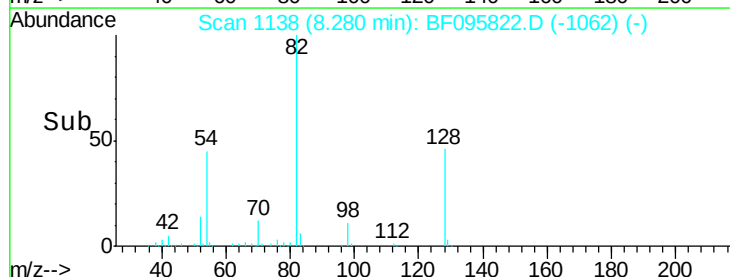
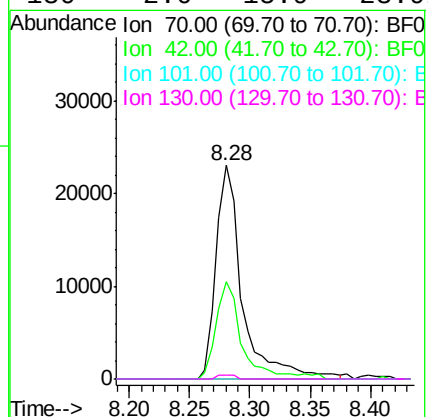
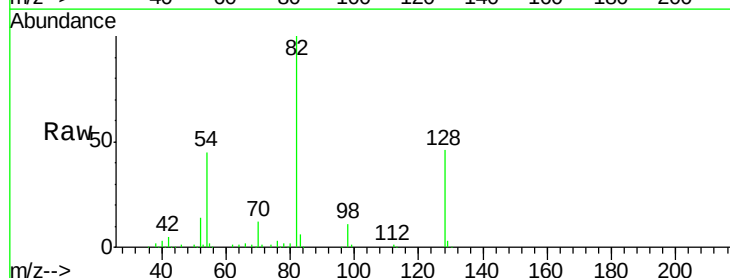
Ion Ratio Lower Upper

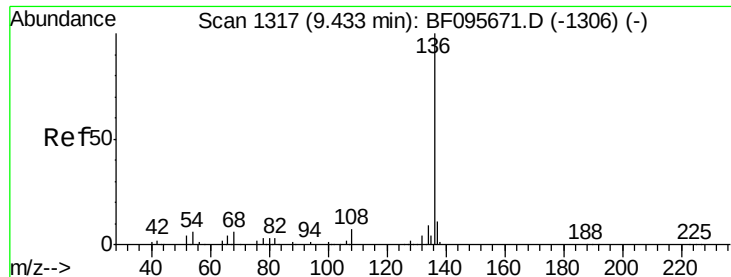
70 100

42 45.7 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.40 min Scan# 1328

Delta R.T. -0.04 min

Lab File: BF095822.D

Acq: 9 Jun 2017 15:28

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:136 Resp: 279626

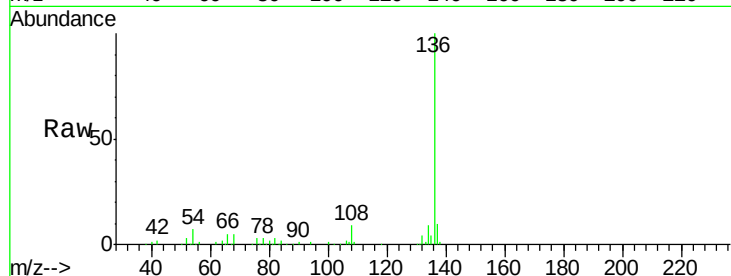
Ion Ratio Lower Upper

136 100

137 10.3 8.5 12.7

54 6.9 4.9 7.3

68 5.2 4.1 6.1

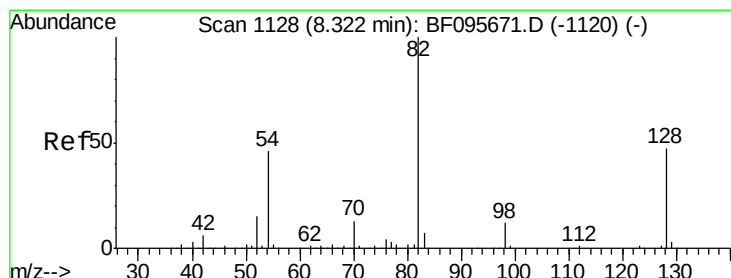
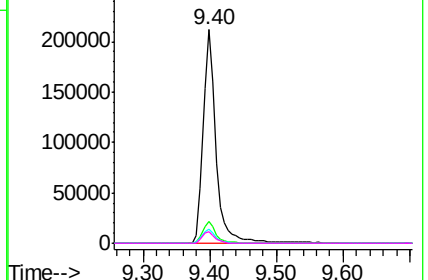
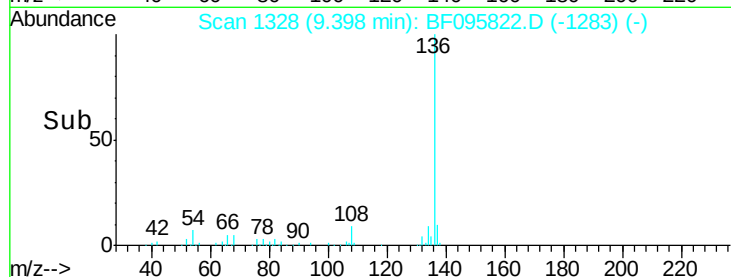


Abundance Ion 136.00 (135.70 to 136.70): E

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: 63.05 ng

RT: 8.28 min Scan# 1138

Delta R.T. -0.04 min

Lab File: BF095822.D

Acq: 9 Jun 2017 15:28

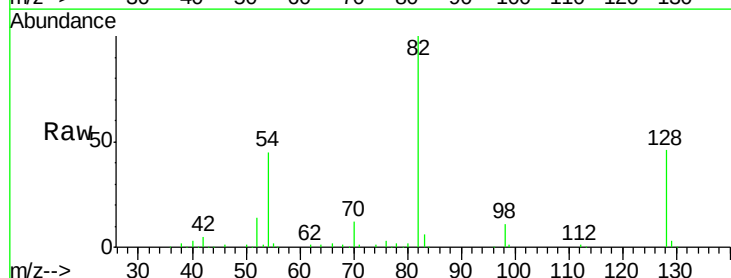
Tgt Ion: 82 Resp: 283885

Ion Ratio Lower Upper

82 100

128 45.7 34.0 51.0

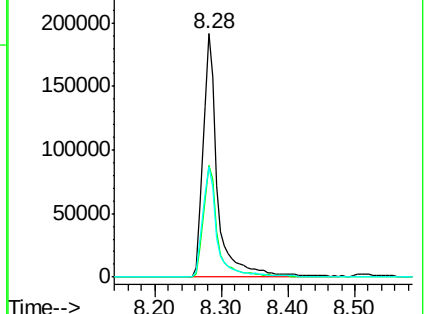
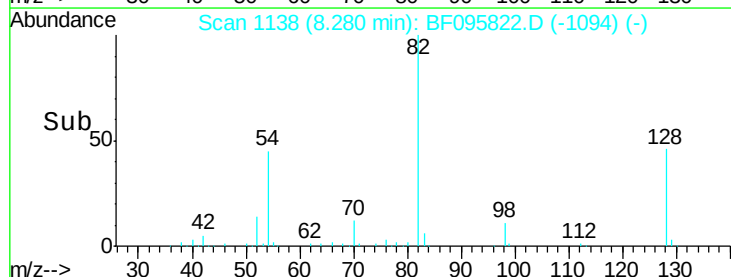
54 45.1 42.2 63.2

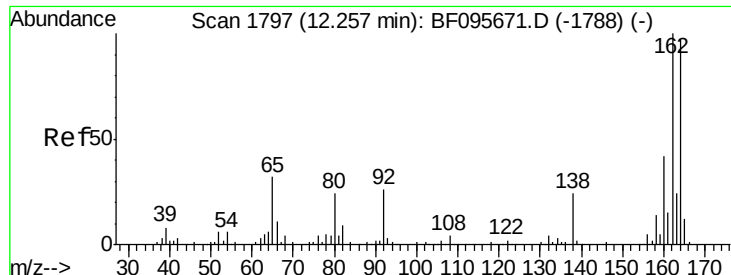


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF095822.D

Acq: 9 Jun 2017 15:28

Instrument :

BNA_F

ClientSampleId :

S-10

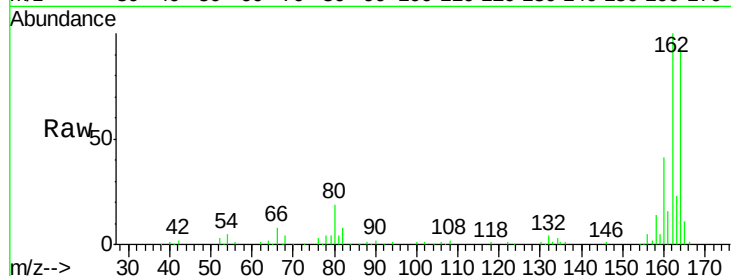
Tgt Ion:164 Resp: 123959

Ion Ratio Lower Upper

164 100

162 107.8 82.6 123.8

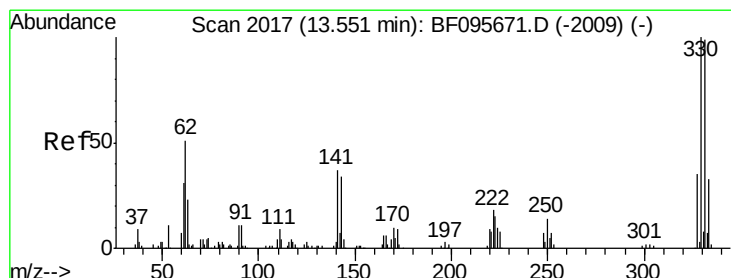
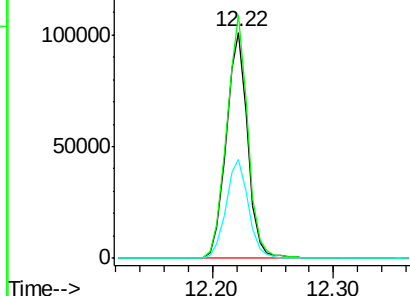
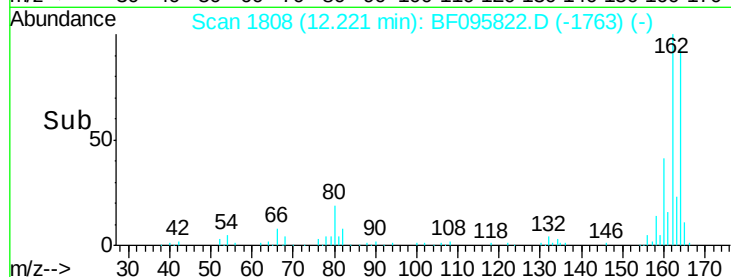
160 44.1 36.2 54.2



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: 88.12 ng

RT: 13.52 min Scan# 2028

Delta R.T. -0.04 min

Lab File: BF095822.D

Acq: 9 Jun 2017 15:28

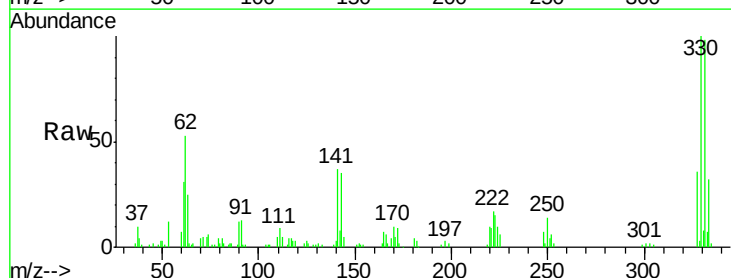
Tgt Ion:330 Resp: 96650

Ion Ratio Lower Upper

330 100

332 96.4 76.6 115.0

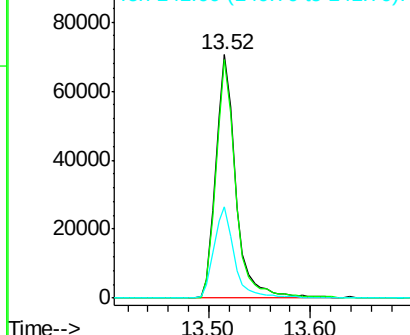
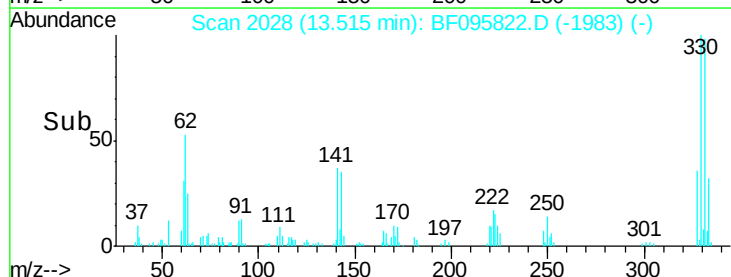
141 38.2 31.4 47.2

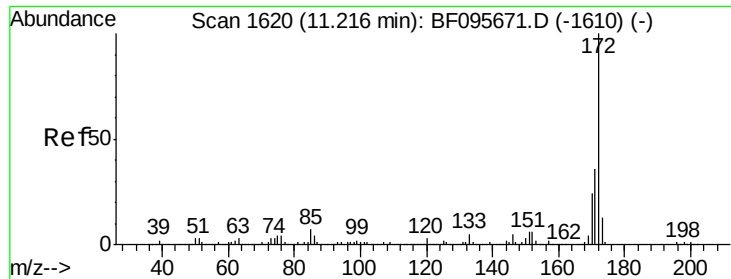


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

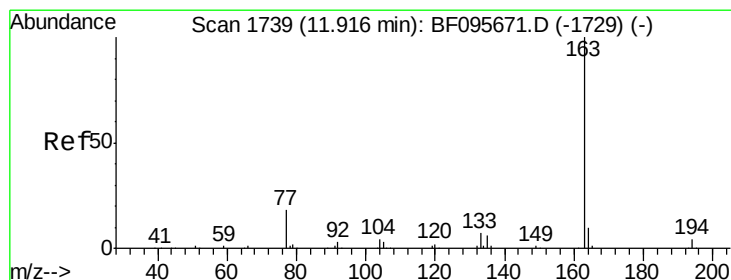
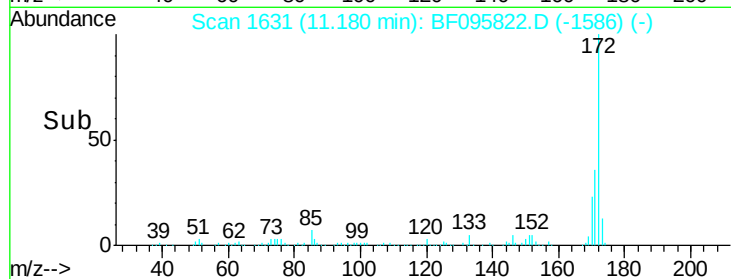
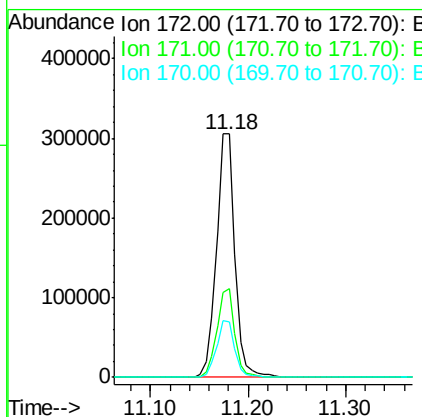
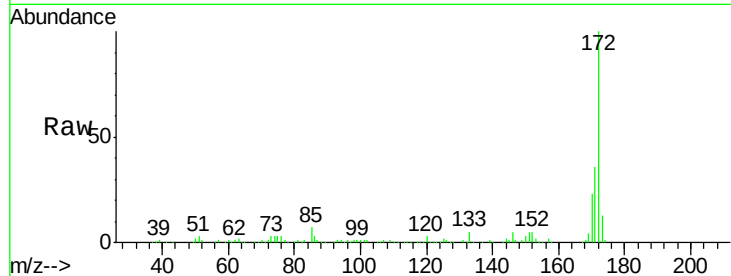




#44
2-Fluorobiphenyl
Concen: 45.11 ng
RT: 11.18 min Scan# 1631
Delta R.T. -0.04 min
Lab File: BF095822.D
Acq: 9 Jun 2017 15:28

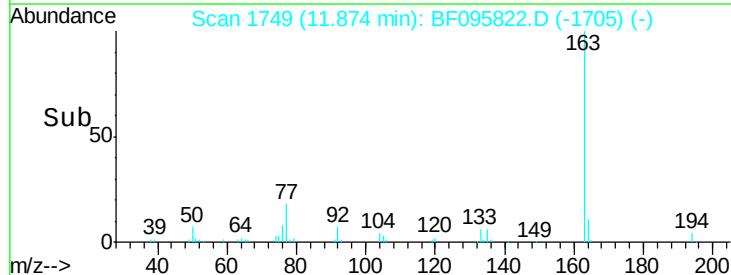
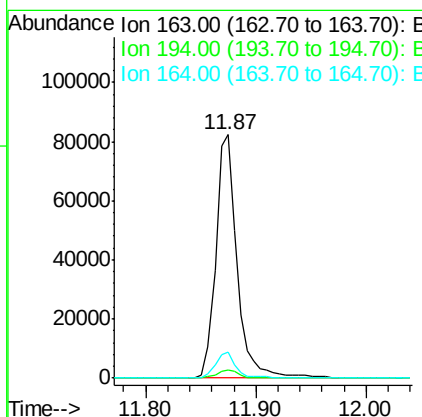
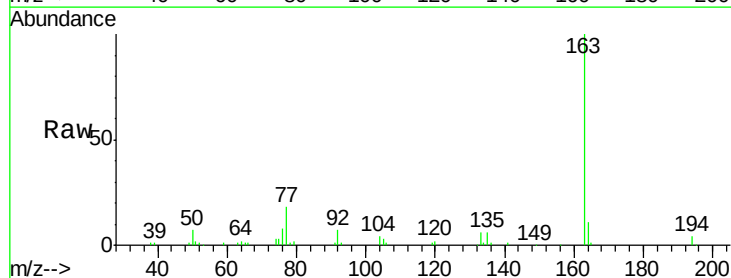
Instrument :
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ClientSampleId :
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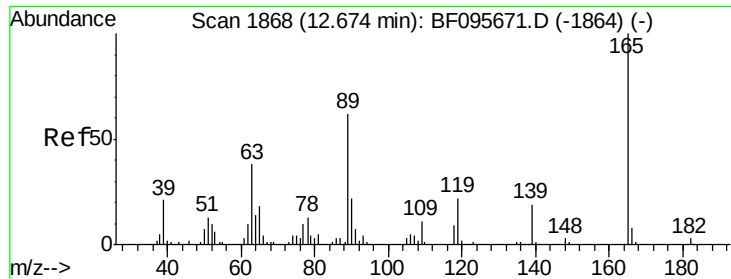
Tgt Ion:172 Resp: 401827
Ion Ratio Lower Upper
172 100
171 36.5 29.6 44.4
170 23.0 19.8 29.8



#49
Dimethylphthalate
Concen: 11.61 ng
RT: 11.87 min Scan# 1749
Delta R.T. -0.04 min
Lab File: BF095822.D
Acq: 9 Jun 2017 15:28

Tgt Ion:163 Resp: 109230
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.6 8.4 12.6

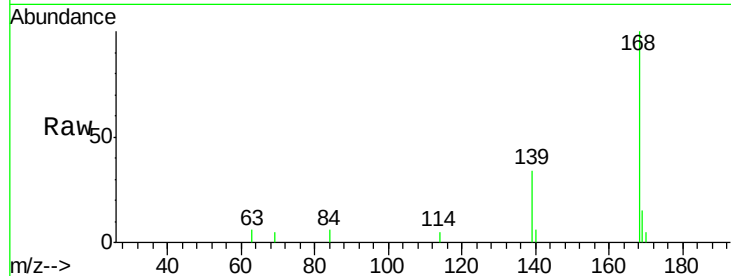




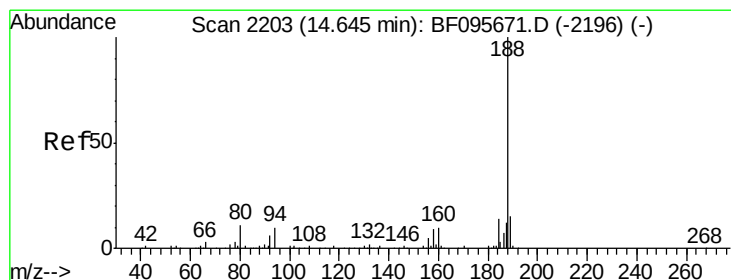
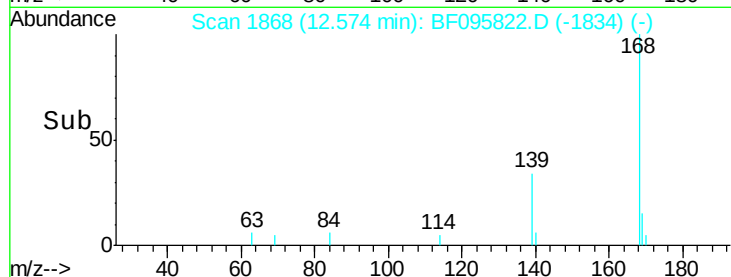
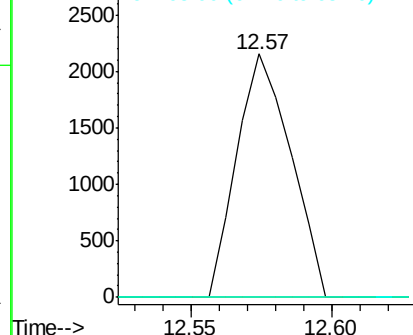
#55
4-Nitrophenol
Concen: 6.55 ng
RT: 12.57 min Scan# 1868
Delta R.T. -0.10 min
Lab File: BF095822.D
Acq: 9 Jun 2017 15:28

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:139 Resp: 2851
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

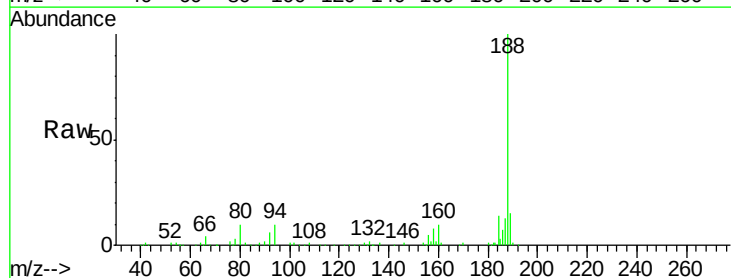


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

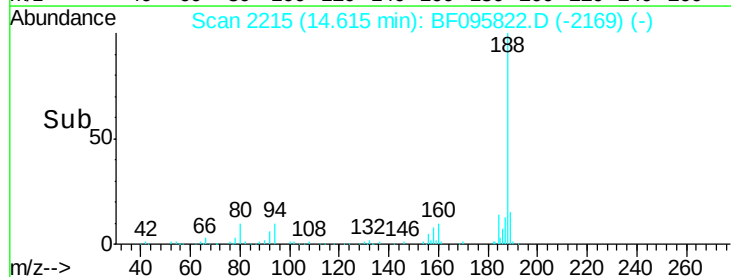
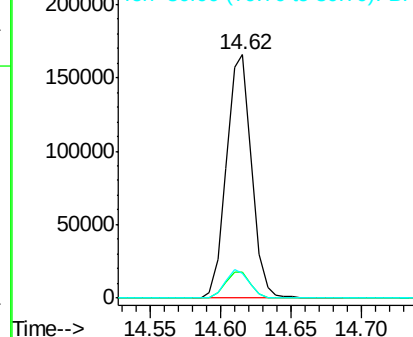


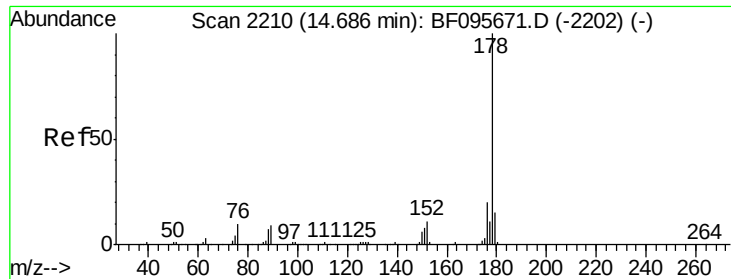
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF095822.D
Acq: 9 Jun 2017 15:28

Tgt Ion:188 Resp: 203499
Ion Ratio Lower Upper
188 100
94 10.4 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: 17.66 ng

RT: 14.65 min Scan# 2221

Delta R.T. -0.04 min

Lab File: BF095822.D

Acq: 9 Jun 2017 15:28

Instrument :

BNA_F

ClientSampled :

S-10

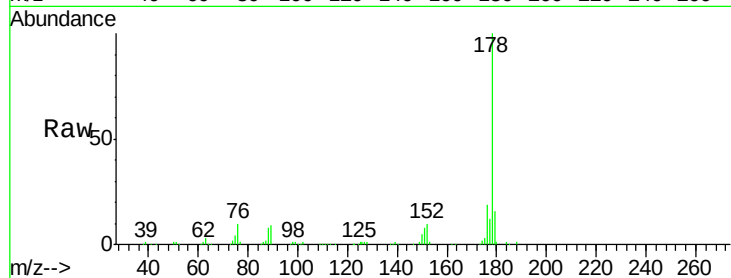
Tgt Ion:178 Resp: 207341

Ion Ratio Lower Upper

178 100

176 18.6 16.2 24.4

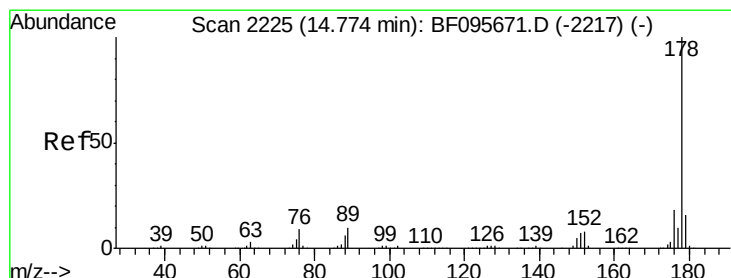
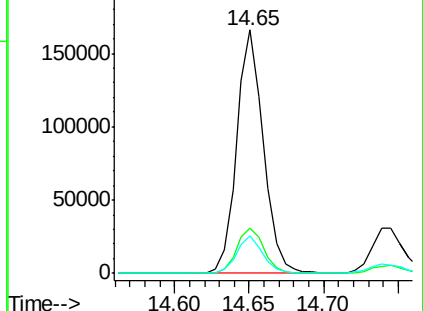
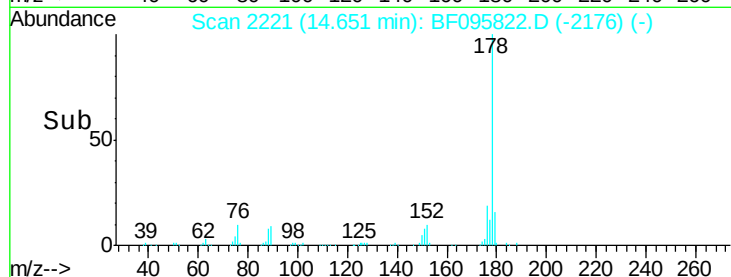
179 15.6 12.6 19.0



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: 3.84 ng

RT: 14.74 min Scan# 2237

Delta R.T. -0.03 min

Lab File: BF095822.D

Acq: 9 Jun 2017 15:28

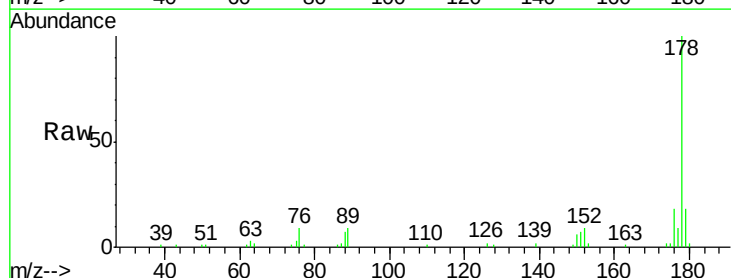
Tgt Ion:178 Resp: 47129

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

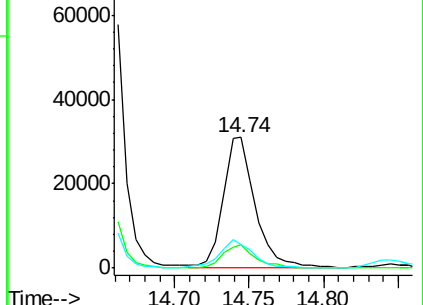
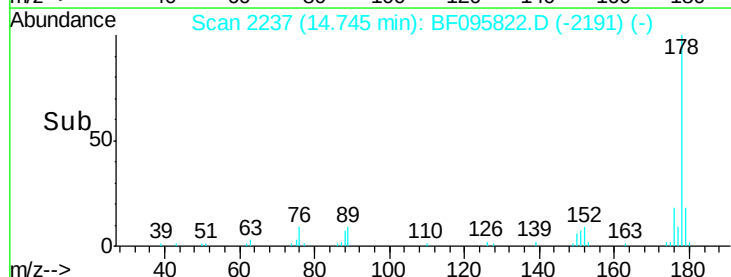
179 18.2 12.7 19.1

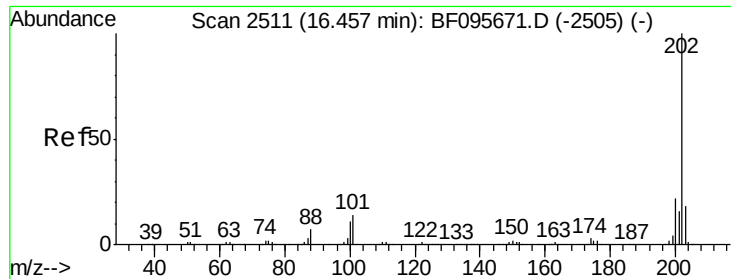


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

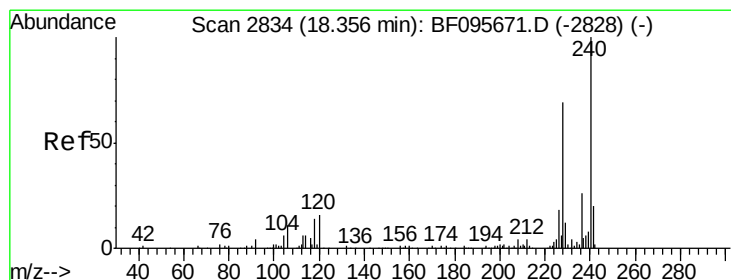
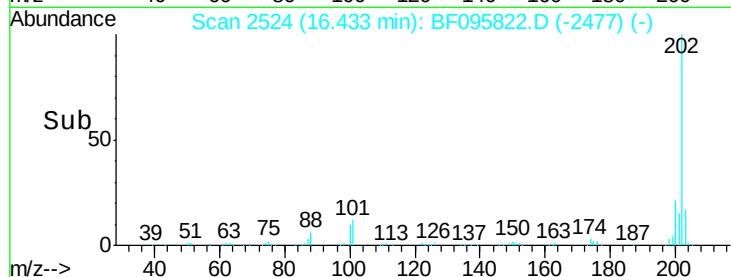
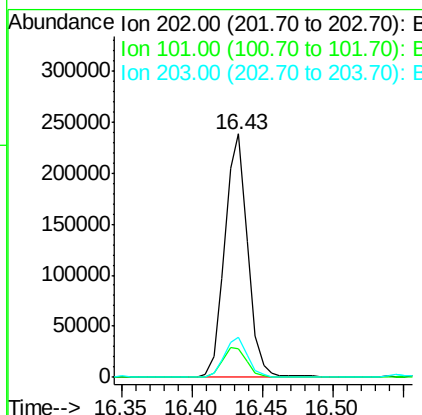
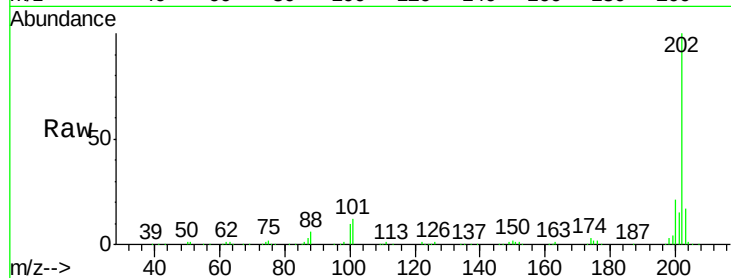




#74
 Fluoranthene
 Concen: 23.12 ng
 RT: 16.43 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BF095822.D
 Acq: 9 Jun 2017 15:28

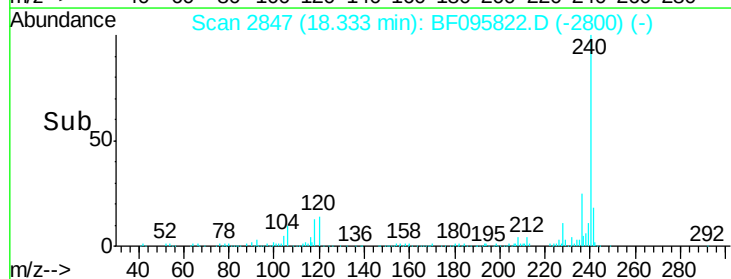
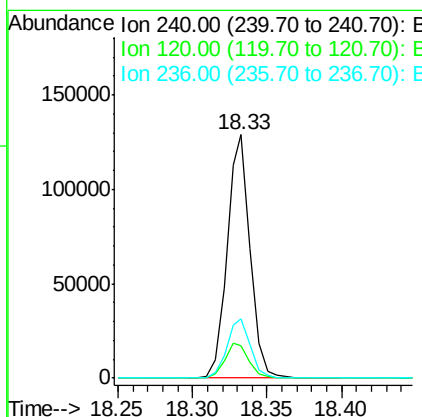
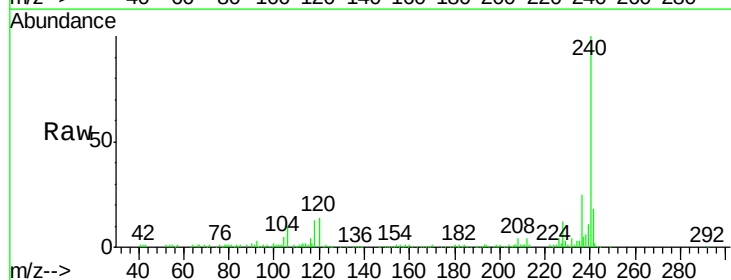
Instrument :
 BNA_F
 ClientSampleId :
 S-10

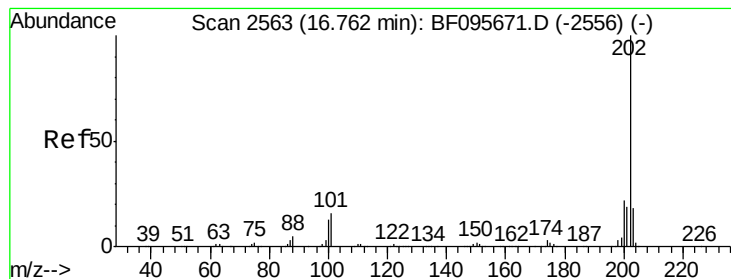
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	268637		
101	11.9	0.0	33.2	
203	16.6	0.0	38.1	



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.33 min Scan# 2847
 Delta R.T. -0.02 min
 Lab File: BF095822.D
 Acq: 9 Jun 2017 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	139545		
120	13.5	5.8	8.8#	
236	24.6	20.5	30.7	





#77

Pyrene

Concen: 22.06 ng

RT: 16.73 min Scan# 2575

Delta R.T. -0.03 min

Lab File: BF095822.D

Acq: 9 Jun 2017 15:28

Instrument :

BNA_F

ClientSampled :

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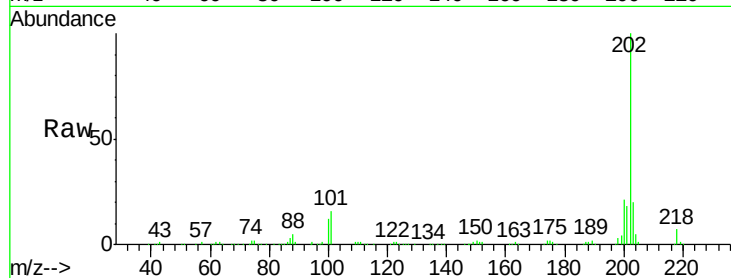
Tgt Ion: 202 Resp: 229740

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

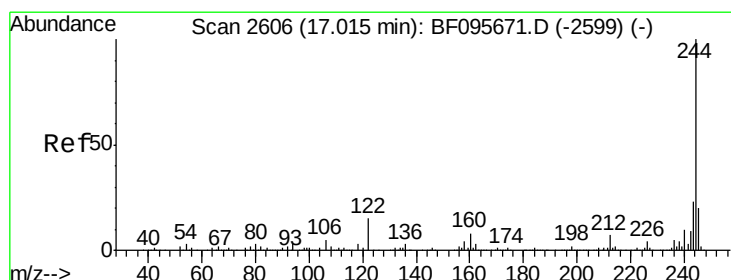
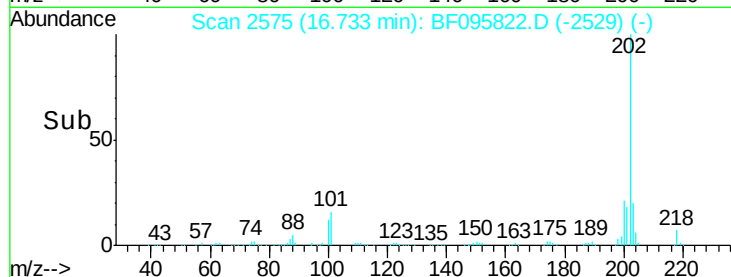
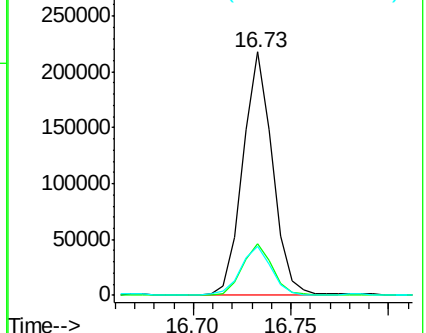
203 20.3 14.4 21.6



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: 42.22 ng

RT: 16.99 min Scan# 2618

Delta R.T. -0.03 min

Lab File: BF095822.D

Acq: 9 Jun 2017 15:28

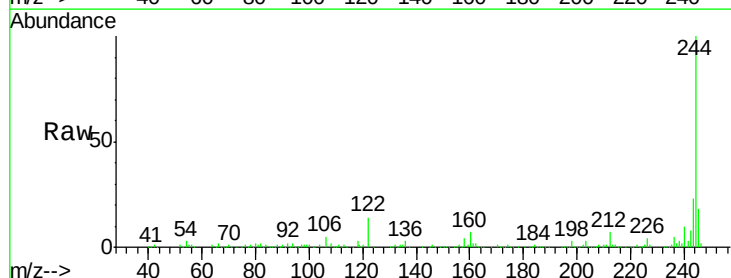
Tgt Ion: 244 Resp: 237389

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

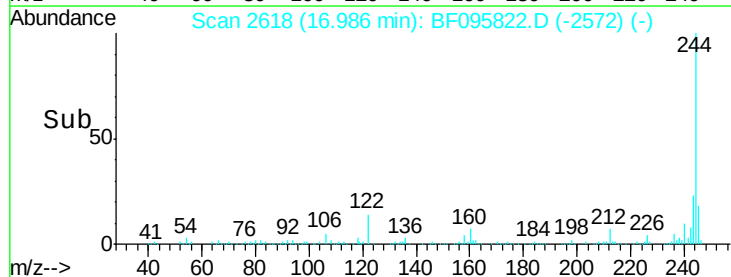
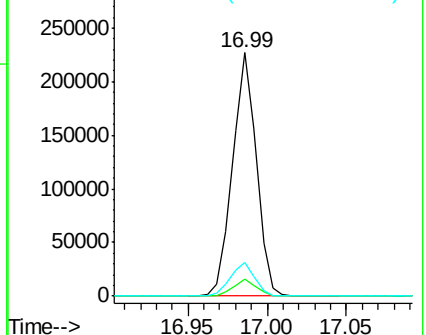
122 13.6 10.3 15.5

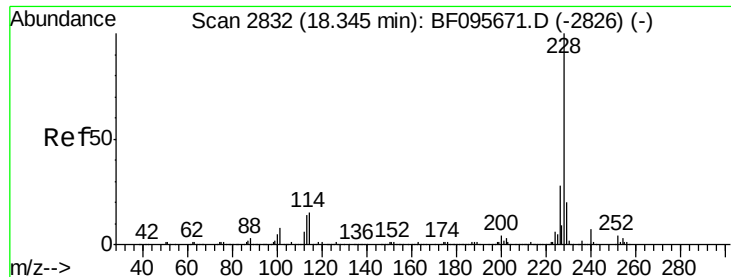


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 11.20 ng

RT: 18.32 min Scan# 2845

Delta R.T. -0.02 min

Lab File: BF095822.D

Acq: 9 Jun 2017 15:28

Instrument :

BNA_F

ClientSampled :

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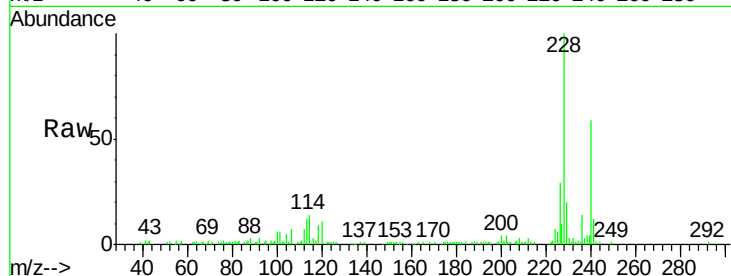
Tgt Ion:228 Resp: 90848

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

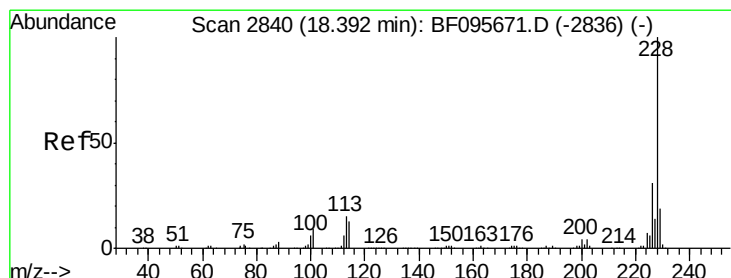
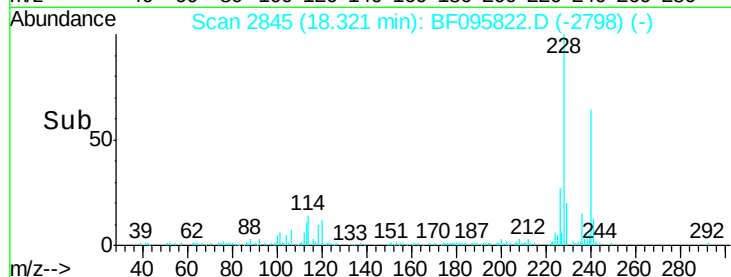
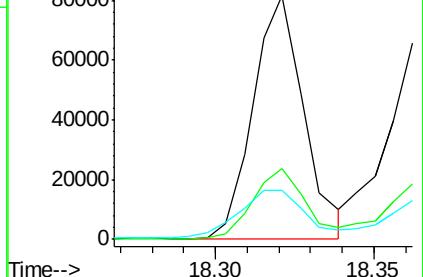
229 20.2 16.3 24.5



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



#82

Chrysene

Concen: 10.81 ng

RT: 18.36 min Scan# 2852

Delta R.T. -0.03 min

Lab File: BF095822.D

Acq: 9 Jun 2017 15:28

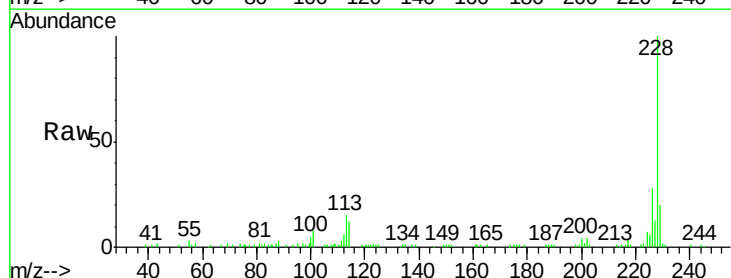
Tgt Ion:228 Resp: 87611

Ion Ratio Lower Upper

228 100

226 28.0 24.9 37.3

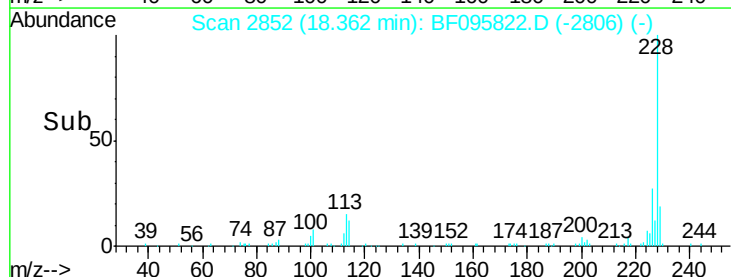
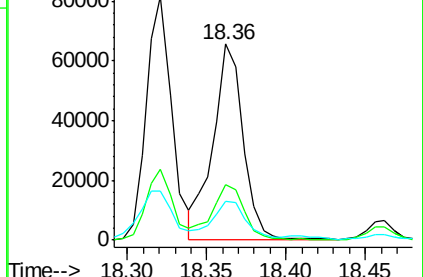
229 19.8 15.8 23.6

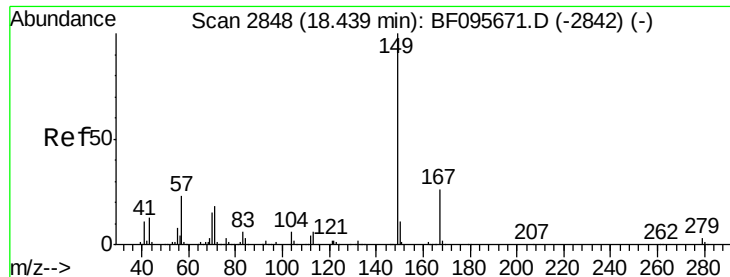


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

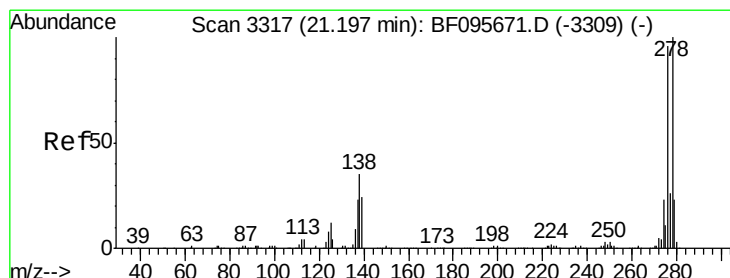
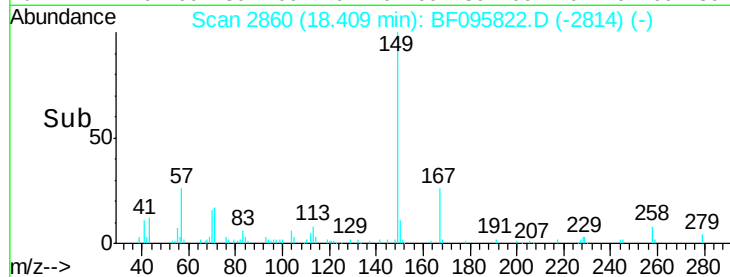
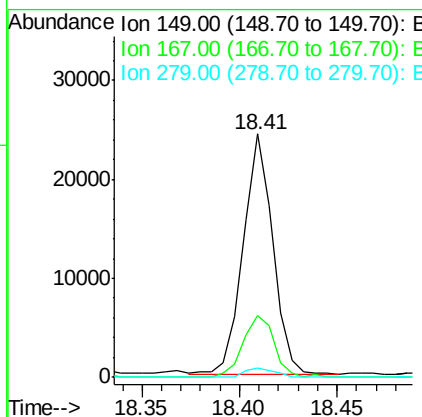
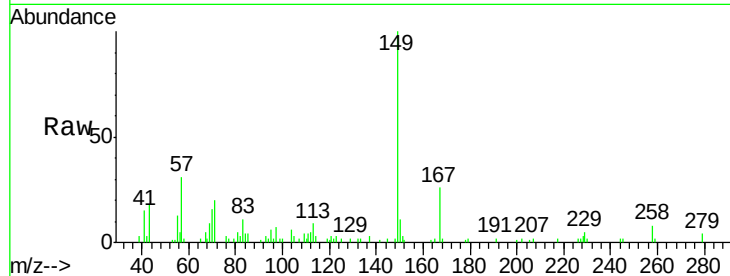




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.00 ng
 RT: 18.41 min Scan# 2860
 Delta R.T. -0.03 min
 Lab File: BF095822.D
 Acq: 9 Jun 2017 15:28

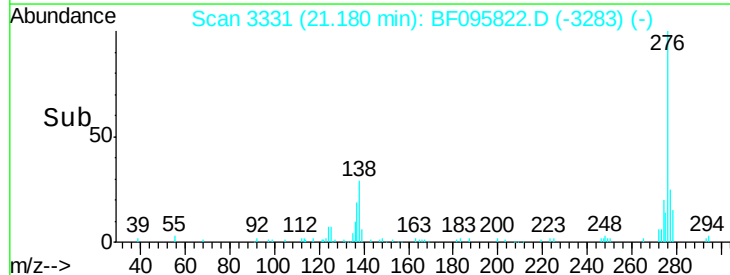
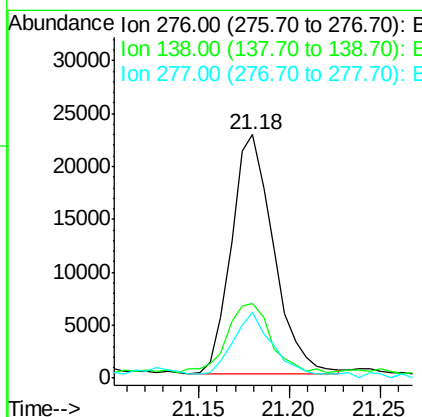
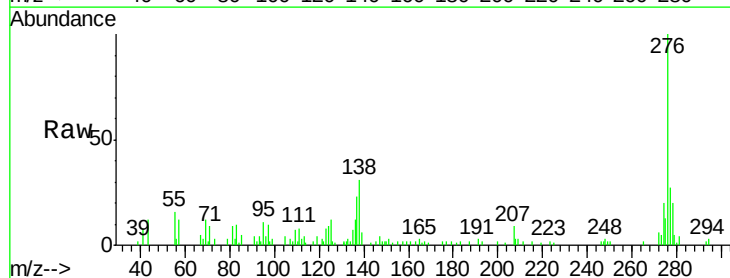
Instrument :
 BNA_F
 ClientSampleId :
 S-10

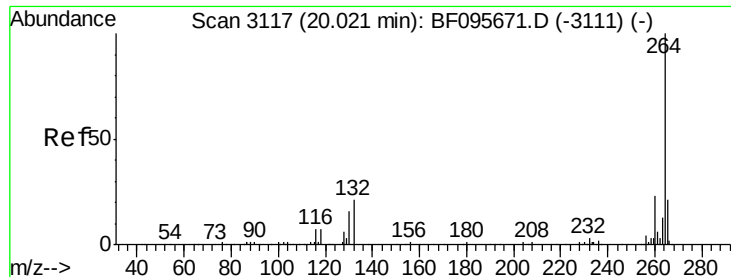
Tgt Ion:149 Resp: 25638
 Ion Ratio Lower Upper
 149 100
 167 25.6 21.0 31.4
 279 3.9 1.9 2.9#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.25 ng
 RT: 21.18 min Scan# 3331
 Delta R.T. -0.02 min
 Lab File: BF095822.D
 Acq: 9 Jun 2017 15:28

Tgt Ion:276 Resp: 36421
 Ion Ratio Lower Upper
 276 100
 138 31.6 27.8 41.6
 277 28.3 20.2 30.4

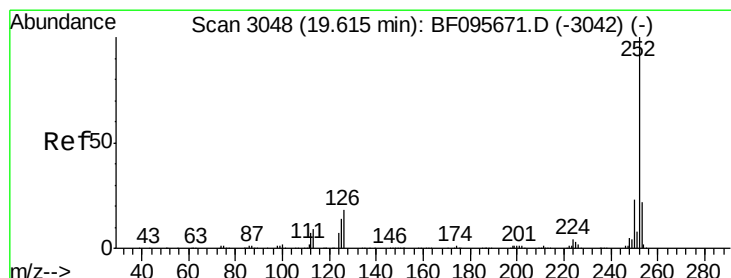
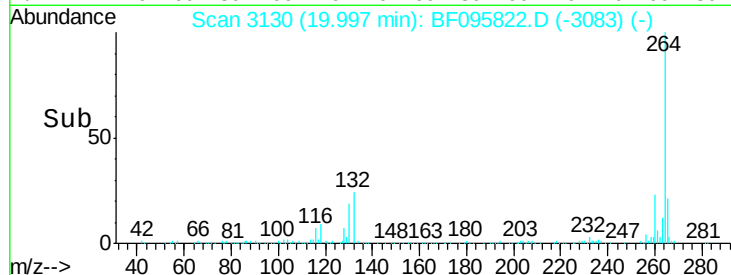
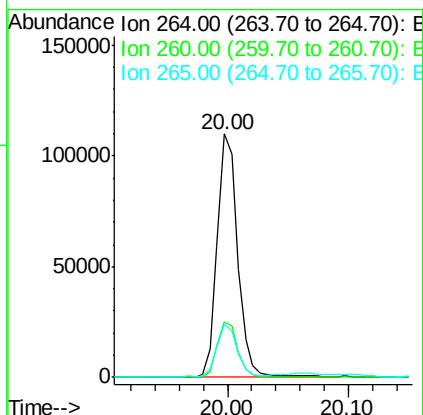
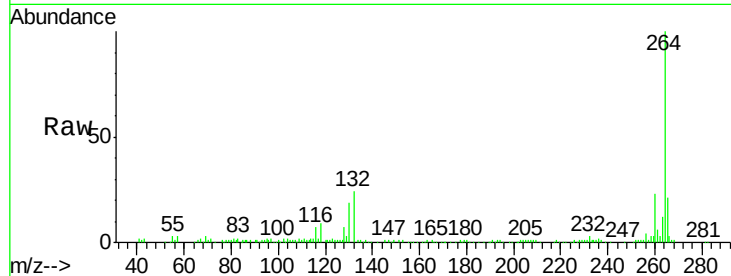




#86
Perylene-d12
Concen: 20.00 ng
RT: 20.00 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BF095822.D
Acq: 9 Jun 2017 15:28

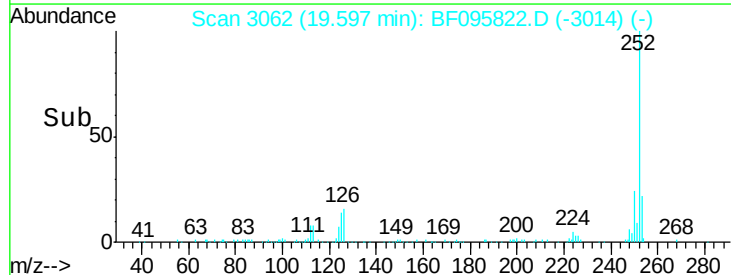
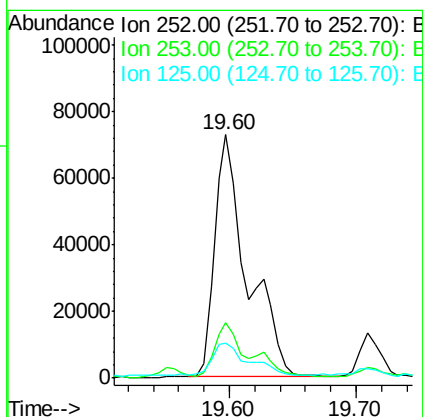
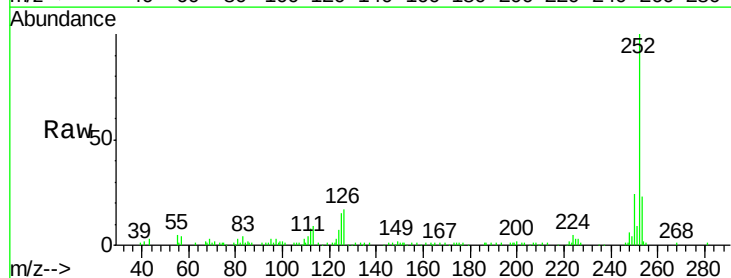
Instrument :
BNA_F
ClientSampled :
S-10

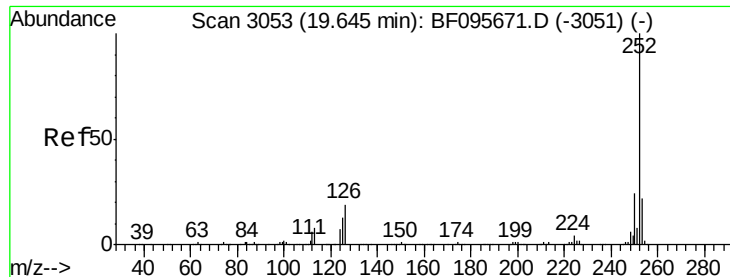
Tgt Ion:264 Resp: 128910
Ion Ratio Lower Upper
264 100
260 22.8 19.5 29.3
265 21.5 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 16.30 ng
RT: 19.60 min Scan# 3062
Delta R.T. -0.02 min
Lab File: BF095822.D
Acq: 9 Jun 2017 15:28

Tgt Ion:252 Resp: 131536
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 14.6 9.8 14.8

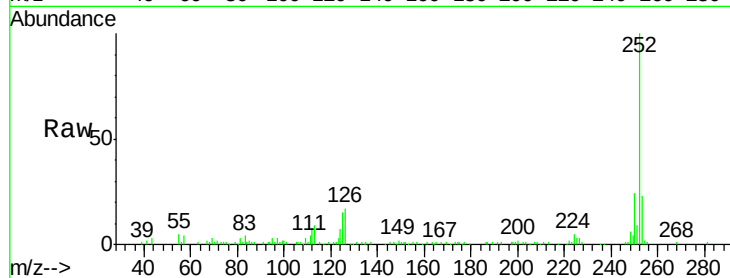




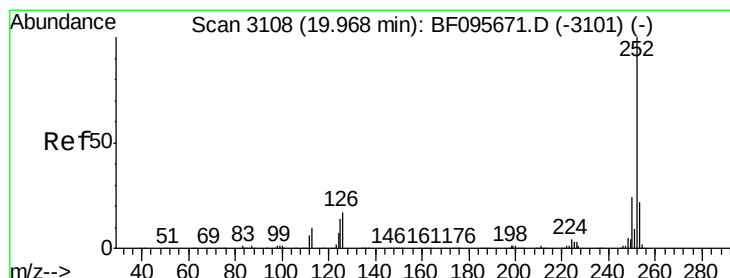
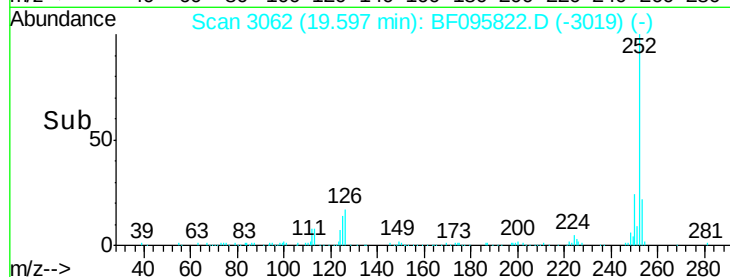
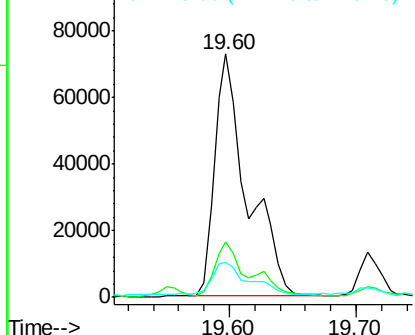
#88
Benzo(k)fluoranthene
Concen: 17.05 ng
RT: 19.60 min Scan# 3062
Delta R.T. -0.05 min
Lab File: BF095822.D
Acq: 9 Jun 2017 15:28

Instrument :
BNA_F
ClientSampleId :
S-10

Tgt Ion:252 Resp: 131536
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 14.6 13.1 19.7

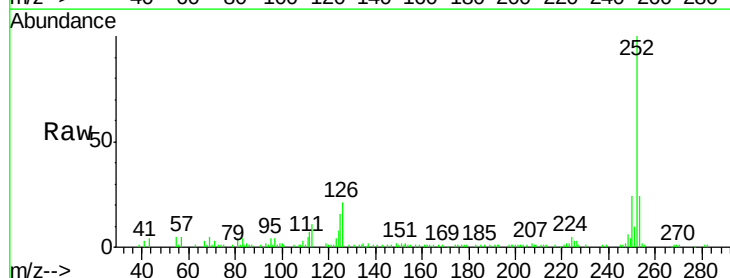


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

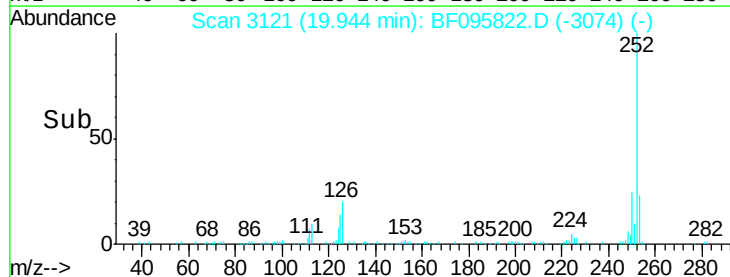
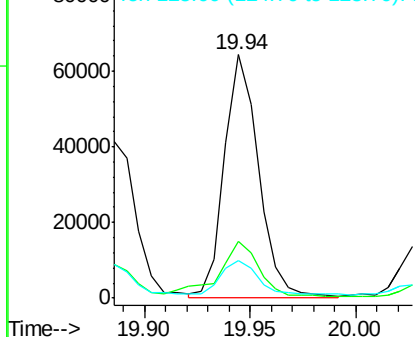


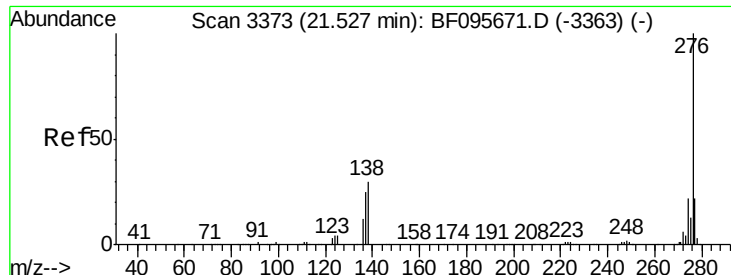
#89
Benzo(a)pyrene
Concen: 9.68 ng
RT: 19.94 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BF095822.D
Acq: 9 Jun 2017 15:28

Tgt Ion:252 Resp: 71815
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 15.6 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





#91

Benzo(g,h,i)perylene

Concen: 5.62 ng

RT: 21.51 min Scan# 3388

Delta R.T. -0.01 min

Lab File: BF095822.D

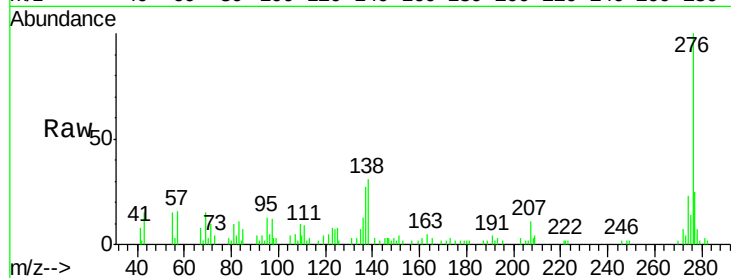
Acq: 9 Jun 2017 15:28

Instrument :

BNA_F

ClientSampleId :

S-10



Tgt Ion:	276	Resp:	36030
Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.6	28.0
138	31.4	25.4	38.0

