

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\
 Data File : BF095912.D
 Acq On : 14 Jun 2017 1:06
 Operator : SJ/MA
 Sample : I3628-02 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 14 04:16:02 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

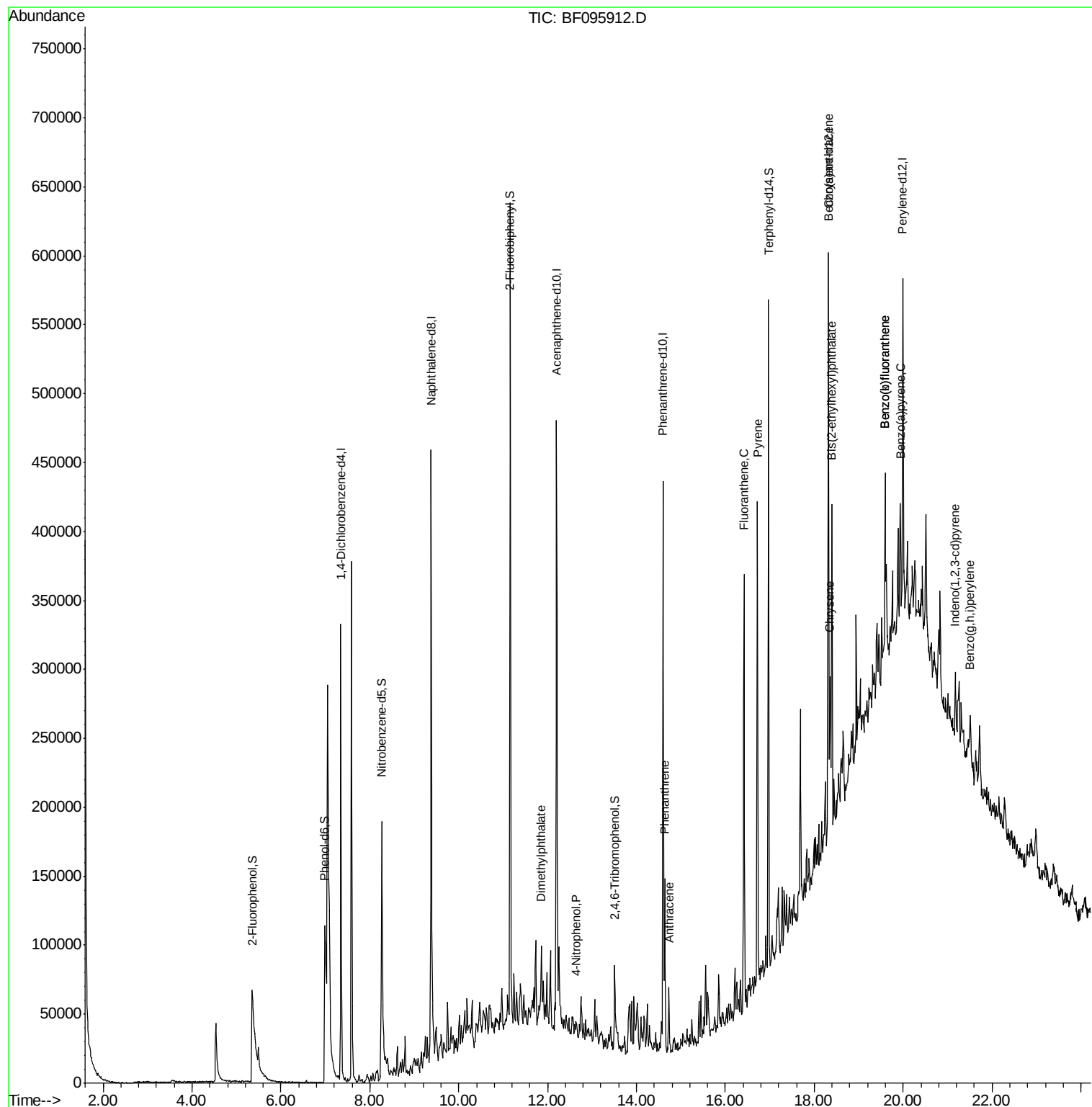
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	79056	20.00	ng	-0.05
21) Naphthalene-d8	9.38	136	308065	20.00	ng	-0.05
38) Acenaphthene-d10	12.20	164	122991	20.00	ng	-0.05
63) Phenanthrene-d10	14.60	188	198357	20.00	ng	-0.05
75) Chrysene-d12	18.32	240	153164	20.00	ng	-0.04
86) Perylene-d12	19.99	264	108261	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	119672	24.12	ng	0.07
7) Phenol-d6	6.99	99	213026	35.87	ng	0.03
23) Nitrobenzene-d5	8.27	82	135917	27.40	ng	-0.05
41) 2,4,6-Tribromophenol	13.51	330	11355	10.43	ng	-0.04
44) 2-Fluorobiphenyl	11.16	172	261874	29.63	ng	-0.06
78) Terphenyl-d14	16.97	244	177807	28.81	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	11.86	163	31799	3.41	ng	96
55) 4-Nitrophenol	12.65	139	319	4.84	ng	# 1
70) Phenanthrene	14.63	178	69908	6.11	ng	96
71) Anthracene	14.73	178	28364	2.37	ng	96
74) Fluoranthene	16.42	202	163056	14.39	ng	98
77) Pyrene	16.72	202	152585	13.35	ng	96
80) Benzo(a)anthracene	18.31	228	61062	6.86	ng	94
82) Chrysene	18.35	228	58607	6.59	ng	98
83) Bis(2-ethylhexyl)phthalate	18.40	149	91112	12.94	ng	# 98
85) Indeno(1,2,3-cd)pyrene	21.17	276	23424	3.08	ng	97
87) Benzo(b)fluoranthene	19.59	252	79224	11.69	ng	# 89
88) Benzo(k)fluoranthene	19.59	252	79224	12.23	ng	# 93
89) Benzo(a)pyrene	19.94	252	43457	6.97	ng	# 90
91) Benzo(a,h,i)perylene	21.51	276	22734	4.22	ng	# 93

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.35 min Scan# 979

Delta R.T. -0.05 min

Lab File: BF095912.D

Acq: 14 Jun 2017 1:06

Instrument :

BNA_F

ClientSampleId :

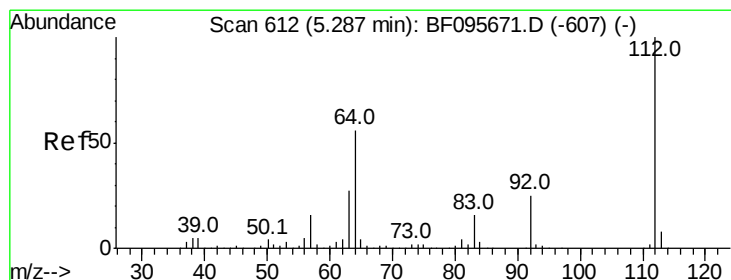
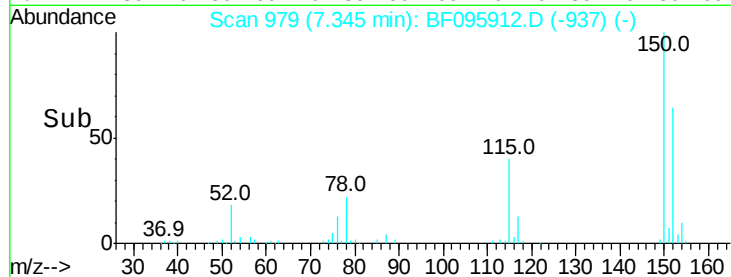
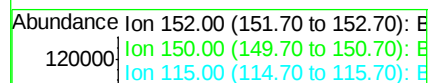
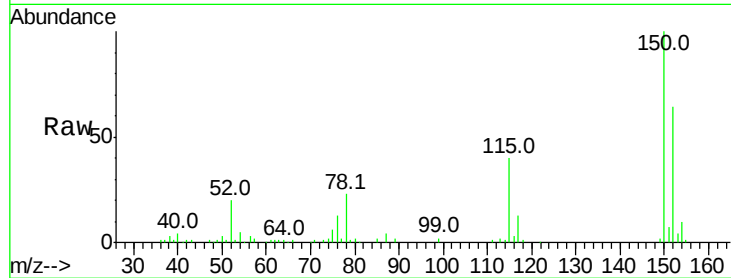
Tot Ion:152 Resp: 79056

Ion Ratio Lower Upper

152 100

150 157.0 126.2 189.2

115 62.2 52.2 78.2



#5

2-Fluorophenol

Concen: 24.12 ng

RT: 5.36 min Scan# 641

Delta R.T. 0.07 min

Lab File: BF095912.D

Acq: 14 Jun 2017 1:06

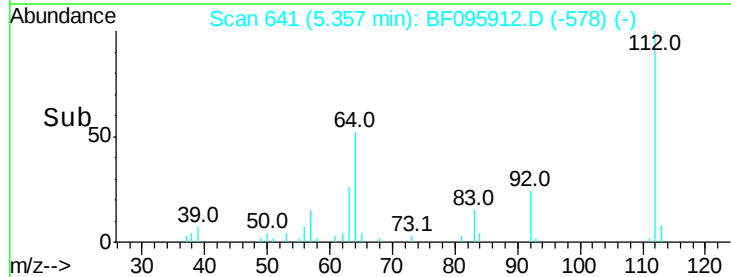
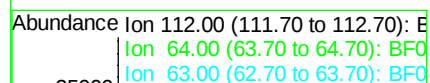
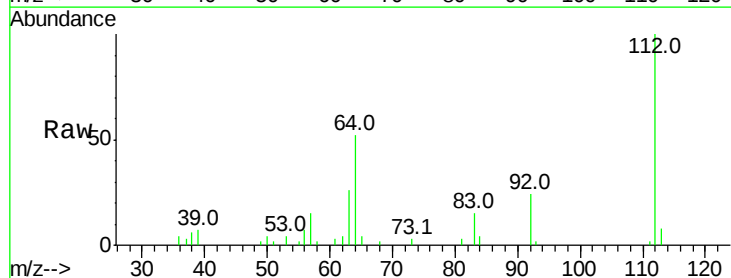
Tgt Ion:112 Resp: 119672

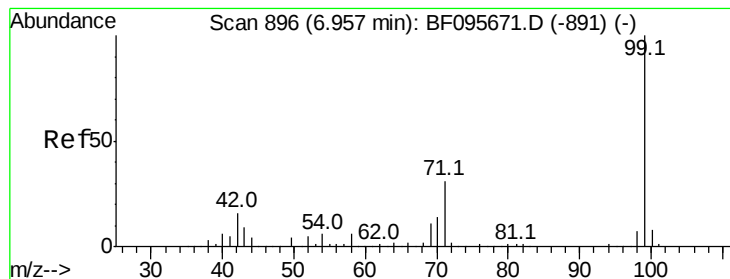
Ion Ratio Lower Upper

112 100

64 51.7 46.0 69.0

63 25.5 23.4 35.0





#7

Phenol-d6

Concen: 35.87 ng

RT: 6.99 min Scan# 918

Delta R.T. 0.03 min

Lab File: BF095912.D

Acq: 14 Jun 2017 1:06

Instrument :

BNA_F

ClientSampled :

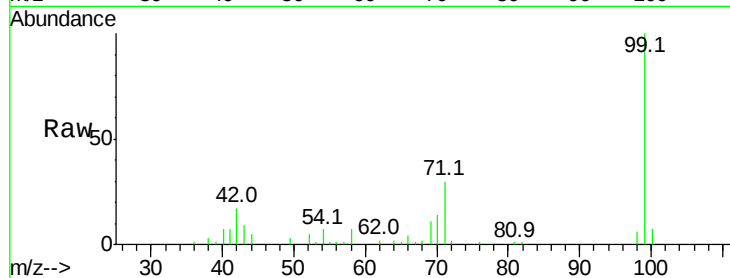
Tot Ion: 99 Resp: 213026

Ion Ratio Lower Upper

99 100

42 16.8 13.5 20.3

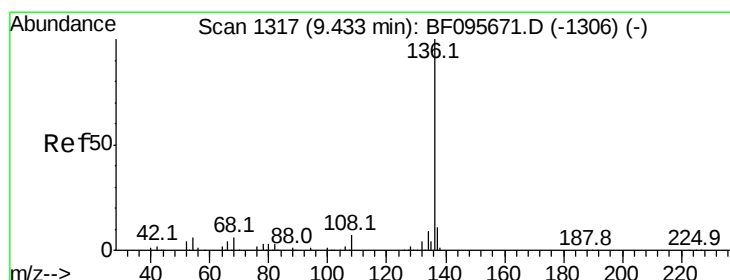
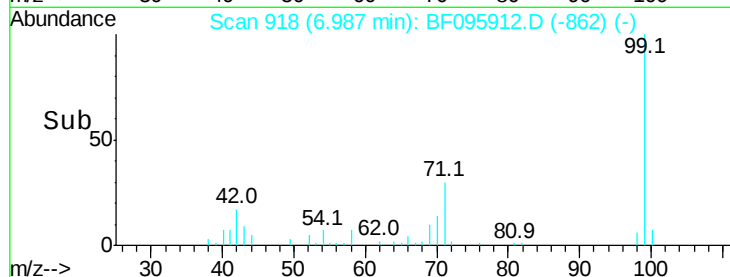
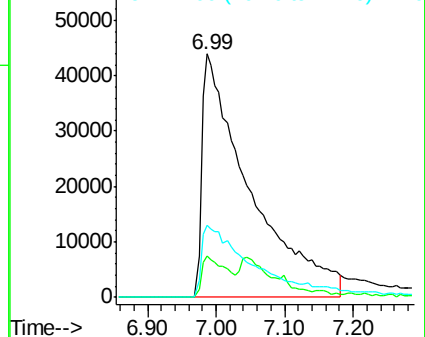
71 29.6 24.5 36.7



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: 9.38 min Scan# 1325

Delta R.T. -0.05 min

Lab File: BF095912.D

Acq: 14 Jun 2017 1:06

Tgt Ion:136 Resp: 308065

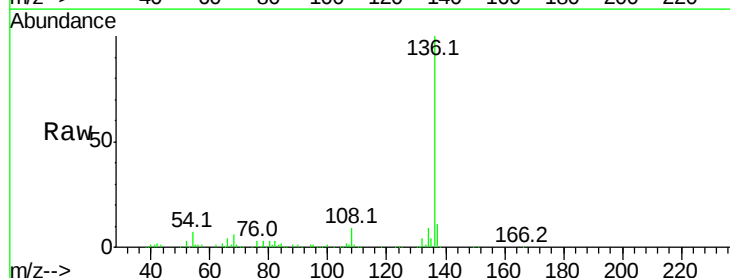
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 6.9 4.9 7.3

68 5.7 4.1 6.1

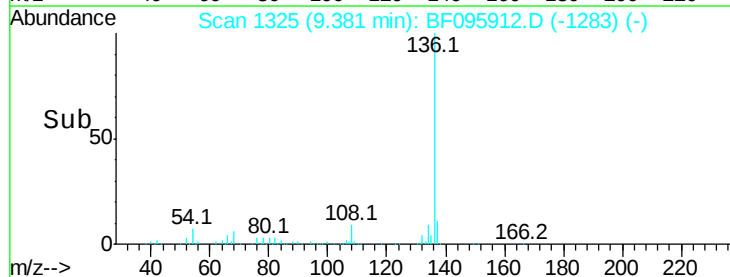
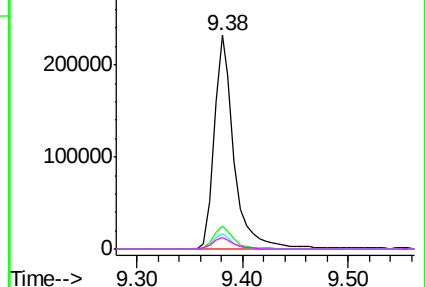


Abundance Ion 136.00 (135.70 to 136.70): E

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

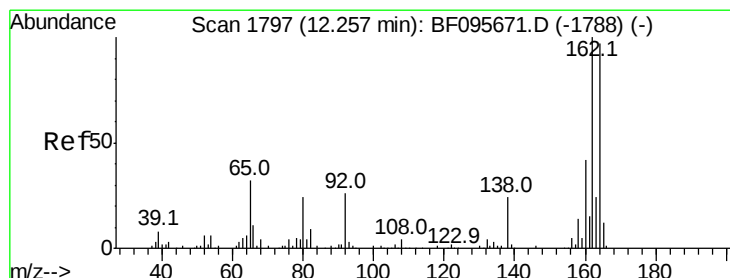
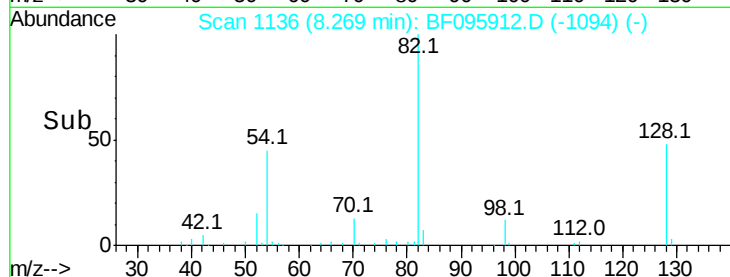
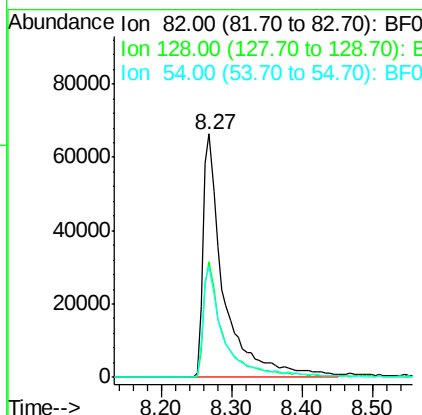
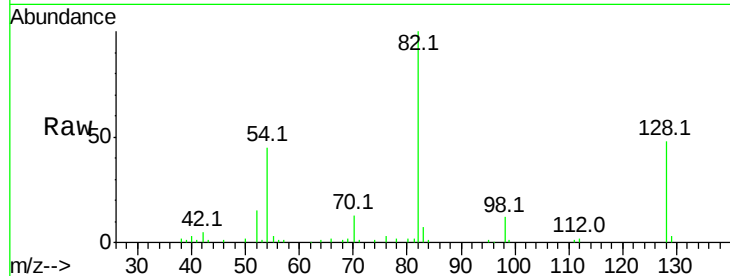




#23
 Nitrobenzene-d5
 Concen: 27.40 ng
 RT: 8.27 min Scan# 1136
 Delta R.T. -0.05 min
 Lab File: BF095912.D
 Acq: 14 Jun 2017 1:06

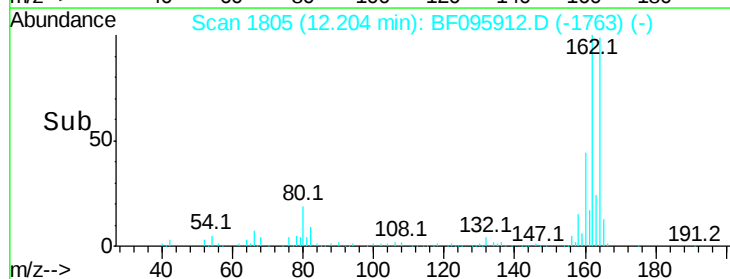
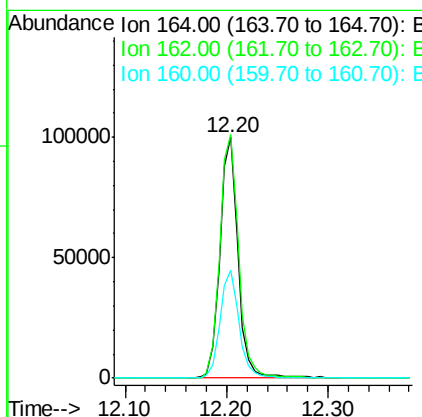
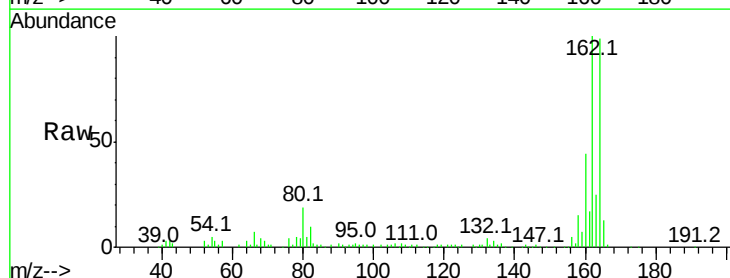
Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	135917
Ion Ratio	Lower	Upper	
82	100		
128	47.7	34.0	51.0
54	45.1	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.20 min Scan# 1805
 Delta R.T. -0.05 min
 Lab File: BF095912.D
 Acq: 14 Jun 2017 1:06

Tgt Ion	164	Resp	122991
Ion Ratio	Lower	Upper	
164	100		
162	101.2	82.6	123.8
160	44.9	36.2	54.2

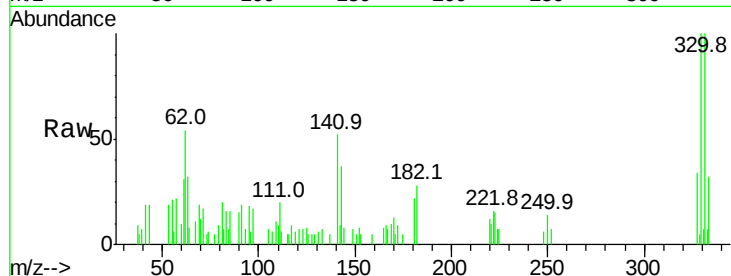




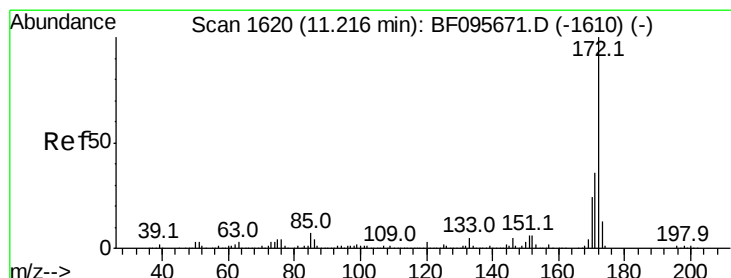
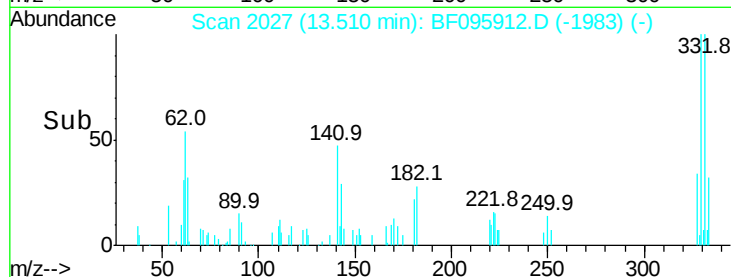
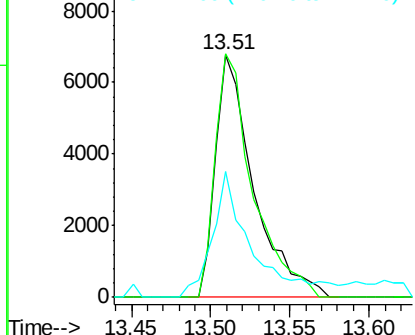
#41
 2,4,6-Tribromophenol
 Concen: 10.43 ng
 RT: 13.51 min Scan# 2027
 Delta R.T. -0.04 min
 Lab File: BF095912.D
 Acq: 14 Jun 2017 1:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 11355
 Ion Ratio Lower Upper
 330 100
 332 99.0 76.6 115.0
 141 54.8 31.4 47.2#

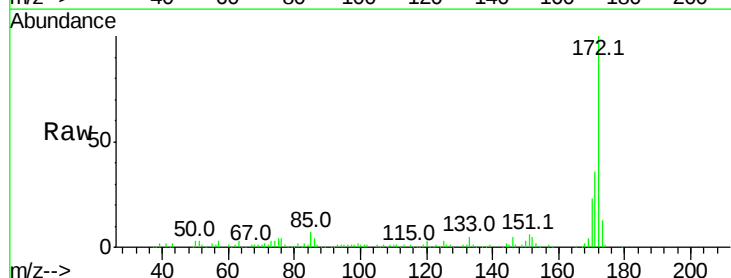


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

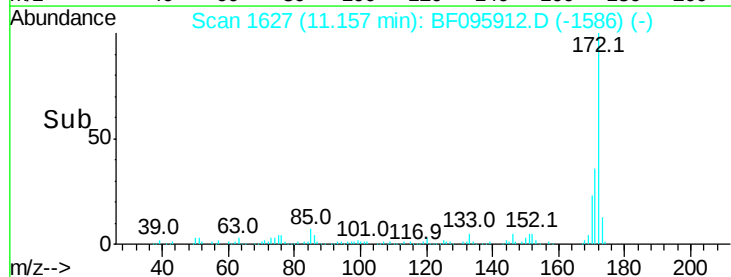
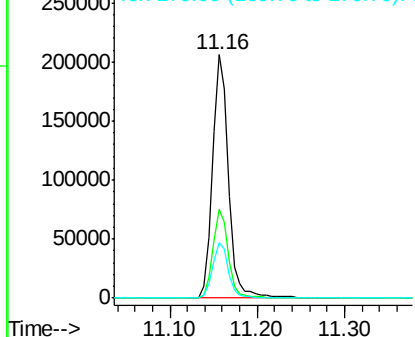


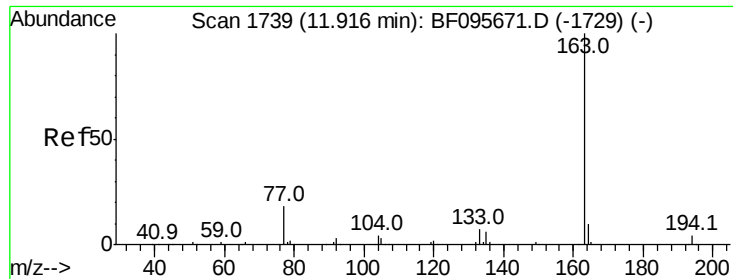
#44
 2-Fluorobiphenyl
 Concen: 29.63 ng
 RT: 11.16 min Scan# 1627
 Delta R.T. -0.06 min
 Lab File: BF095912.D
 Acq: 14 Jun 2017 1:06

Tgt Ion:172 Resp: 261874
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 23.0 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

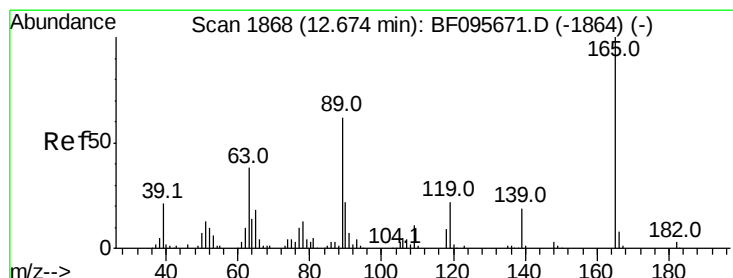
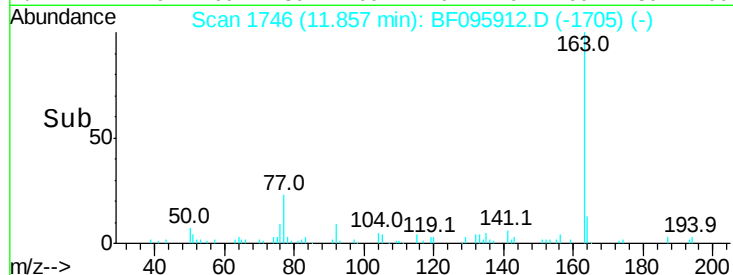
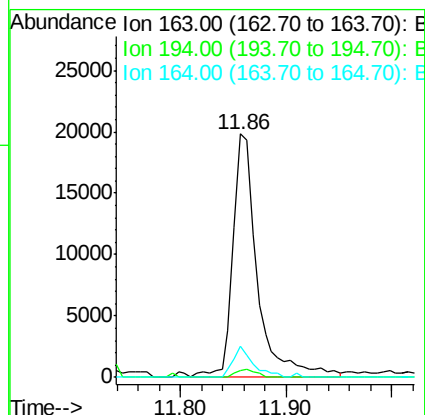
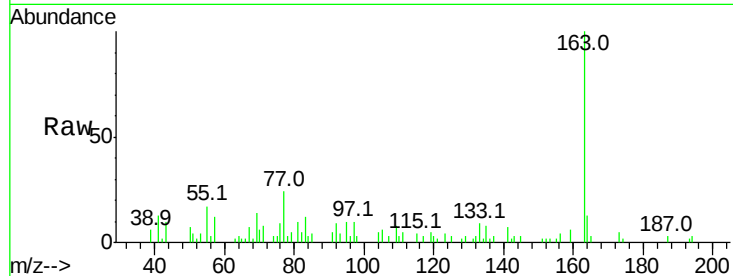




#49
Dimethylphthalate
Concen: 3.41 ng
RT: 11.86 min Scan# 1746
Delta R.T. -0.06 min
Lab File: BF095912.D
Acq: 14 Jun 2017 1:06

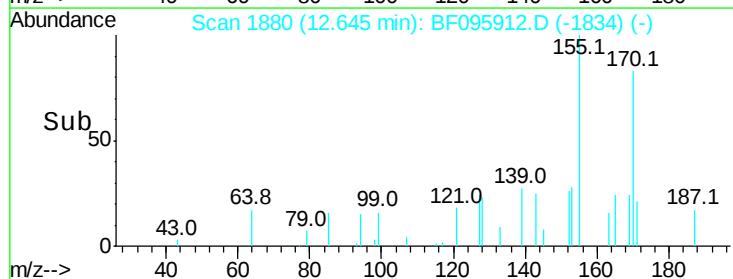
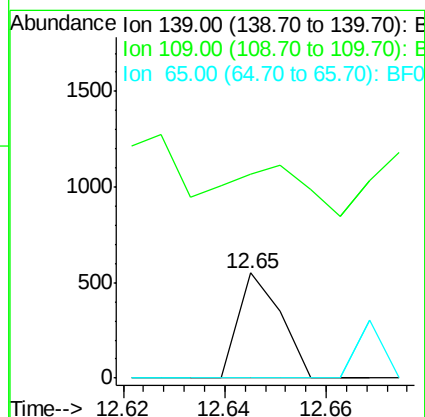
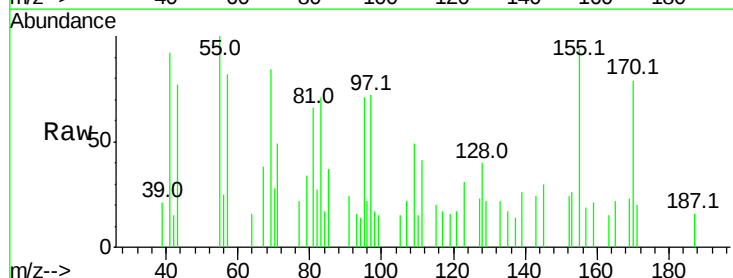
Instrument :
BNA_F
ClientSampleId :

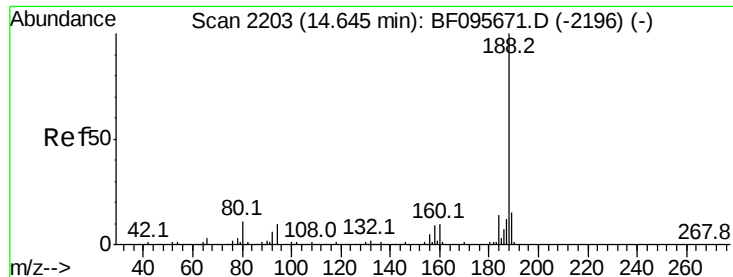
Tot Ion:163 Resp: 31799
Ion Ratio Lower Upper
163 100
194 2.9 2.6 4.0
164 12.6 8.4 12.6



#55
4-Nitrophenol
Concen: 4.84 ng
RT: 12.65 min Scan# 1880
Delta R.T. -0.03 min
Lab File: BF095912.D
Acq: 14 Jun 2017 1:06

Tgt Ion:139 Resp: 319
Ion Ratio Lower Upper
139 100
109 193.3 34.1 74.1#
65 0.0 31.4 71.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.60 min Scan# 2212

Delta R.T. -0.05 min

Lab File: BF095912.D

Acq: 14 Jun 2017 1:06

Instrument :

BNA_F

ClientSampleId :

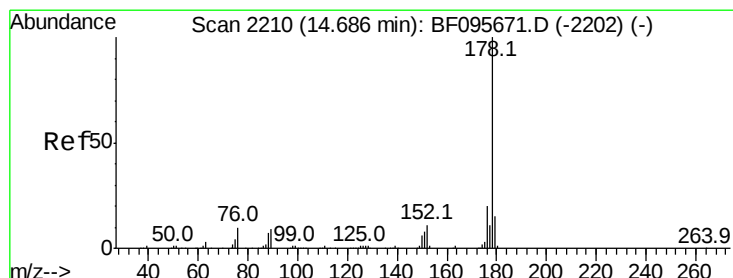
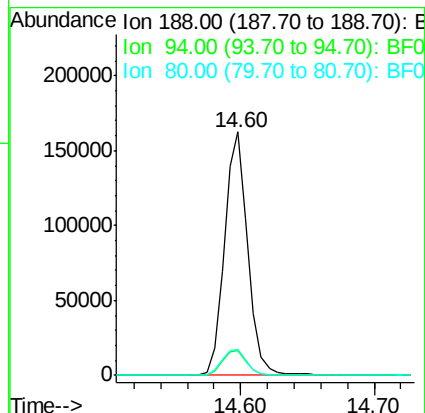
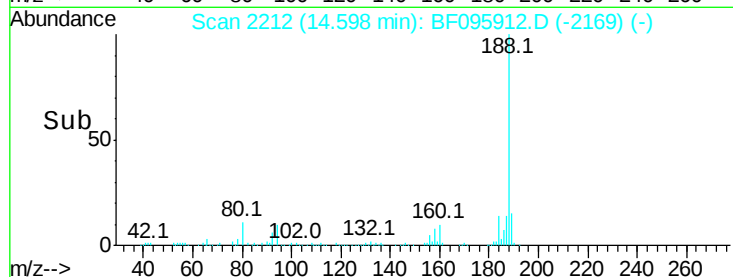
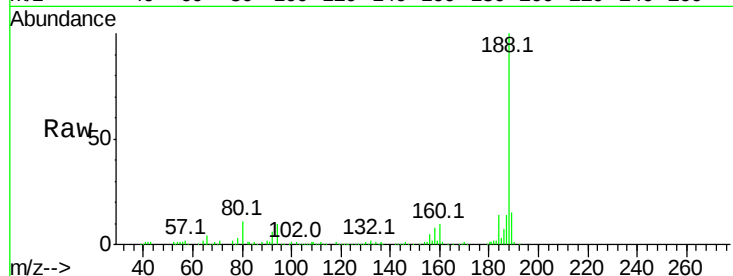
Tot Ion:188 Resp: 198357

Ion Ratio Lower Upper

188 100

94 10.1 9.4 14.2

80 10.8 10.2 15.2



#70

Phenanthrene

Concen: 6.11 ng

RT: 14.63 min Scan# 2218

Delta R.T. -0.05 min

Lab File: BF095912.D

Acq: 14 Jun 2017 1:06

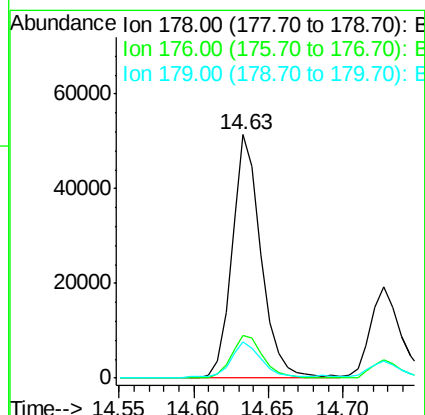
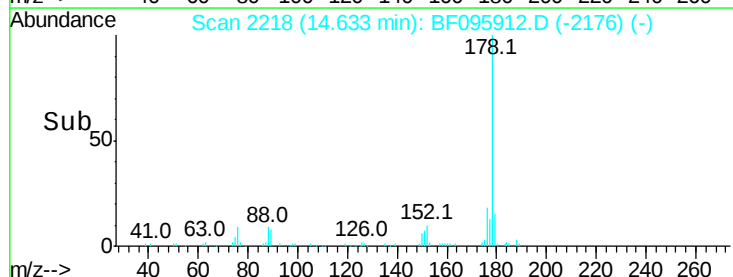
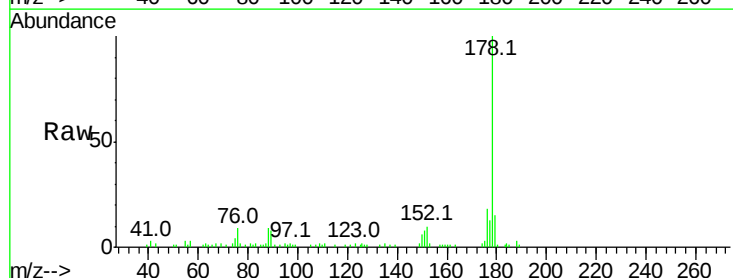
Tgt Ion:178 Resp: 69908

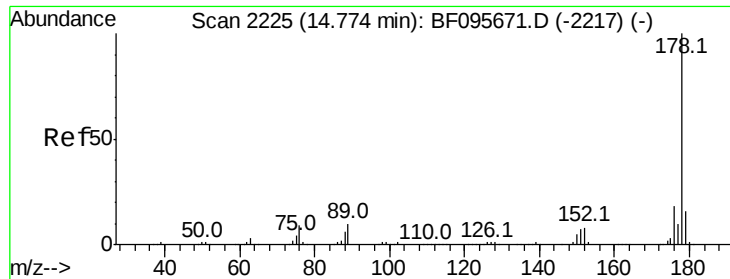
Ion Ratio Lower Upper

178 100

176 17.8 16.2 24.4

179 14.8 12.6 19.0

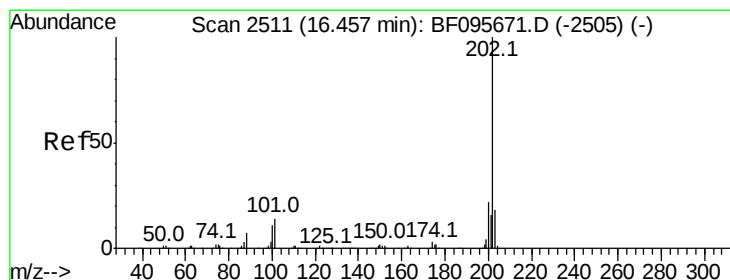
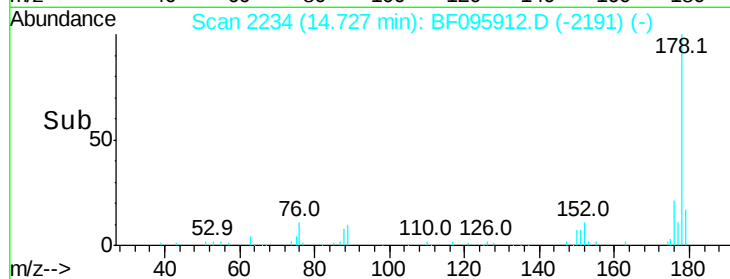
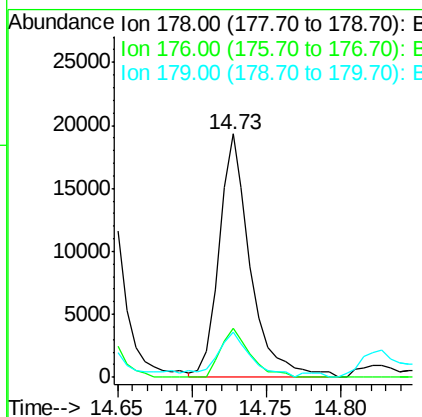
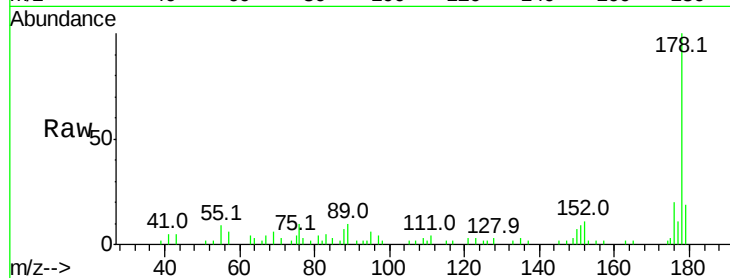




#71
 Anthracene
 Concen: 2.37 ng
 RT: 14.73 min Scan# 2234
 Delta R.T. -0.05 min
 Lab File: BF095912.D
 Acq: 14 Jun 2017 1:06

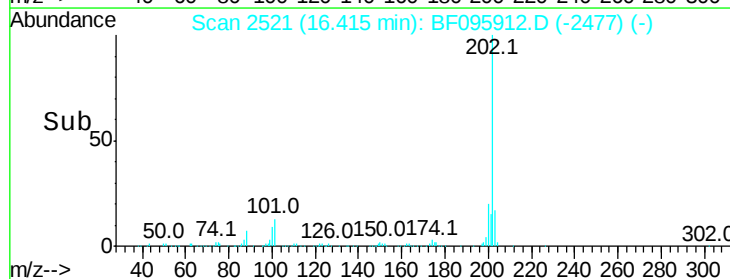
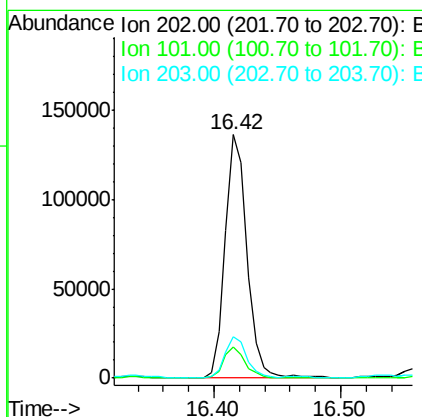
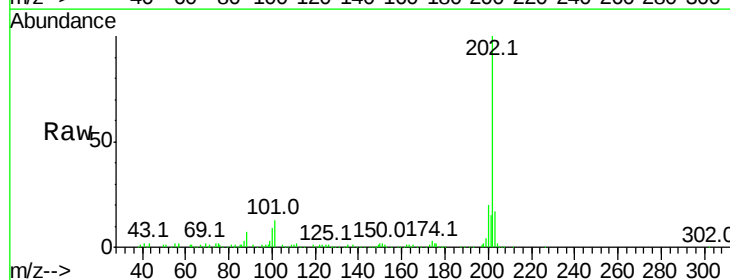
Instrument :
 BNA_F
 ClientSampled :

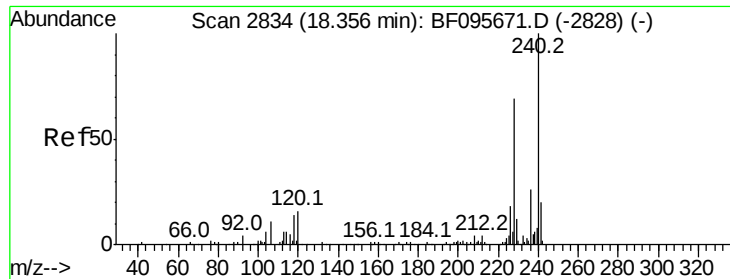
Tot Ion:178 Resp: 28364
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.8 23.8
 179 18.7 12.7 19.1



#74
 Fluoranthene
 Concen: 14.39 ng
 RT: 16.42 min Scan# 2521
 Delta R.T. -0.04 min
 Lab File: BF095912.D
 Acq: 14 Jun 2017 1:06

Tgt Ion:202 Resp: 163056
 Ion Ratio Lower Upper
 202 100
 101 13.0 0.0 33.2
 203 17.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.32 min Scan# 2845

Delta R.T. -0.04 min

Lab File: BF095912.D

Acq: 14 Jun 2017 1:06

Instrument :

BNA_F

ClientSampleId :

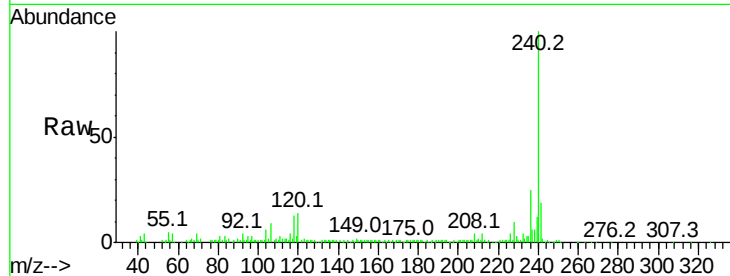
Tot Ion:240 Resp: 153164

Ion Ratio Lower Upper

240 100

120 14.2 5.8 8.8#

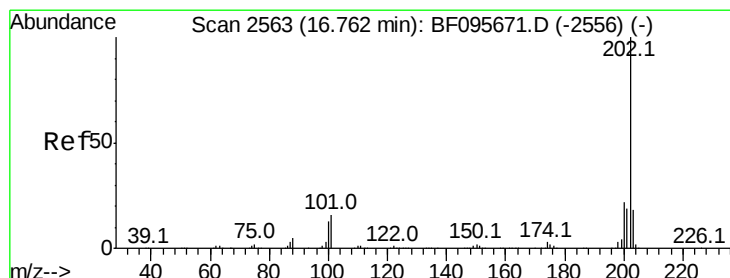
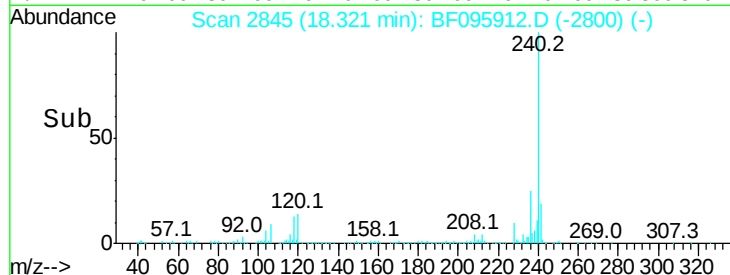
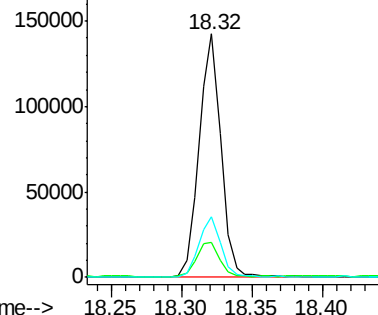
236 24.9 20.5 30.7



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: 13.35 ng

RT: 16.72 min Scan# 2573

Delta R.T. -0.04 min

Lab File: BF095912.D

Acq: 14 Jun 2017 1:06

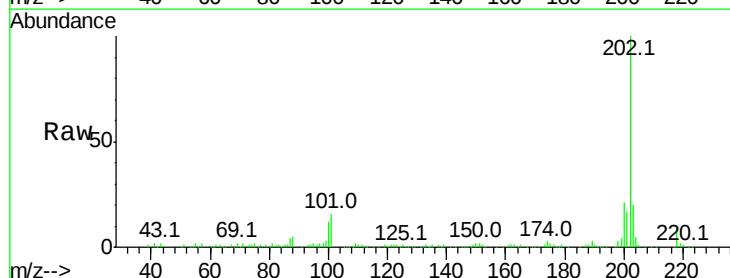
Tgt Ion:202 Resp: 152585

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

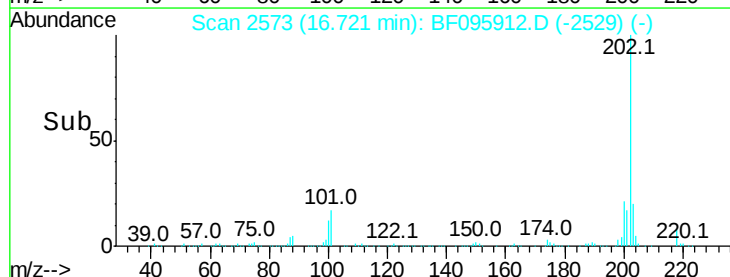
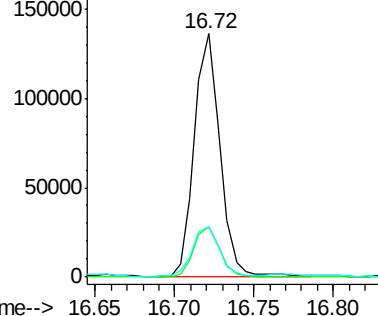
203 20.4 14.4 21.6

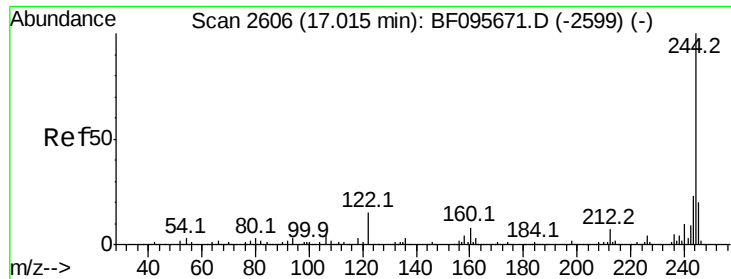


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 28.81 ng

RT: 16.97 min Scan# 2615

Delta R.T. -0.05 min

Lab File: BF095912.D

Acq: 14 Jun 2017 1:06

Instrument :

BNA_F

ClientSampled :

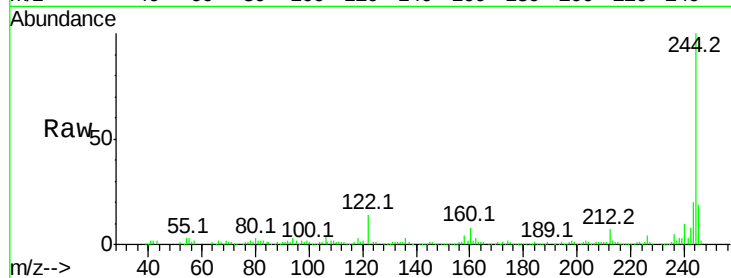
Tot Ion:244 Resp: 177807

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

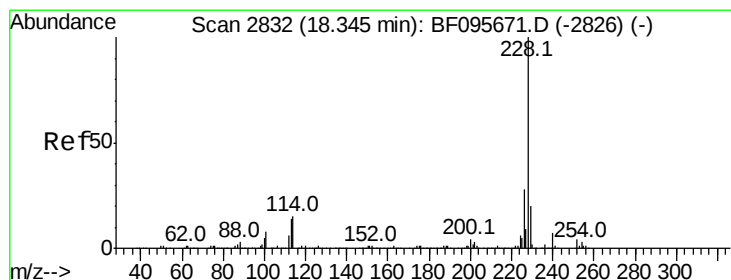
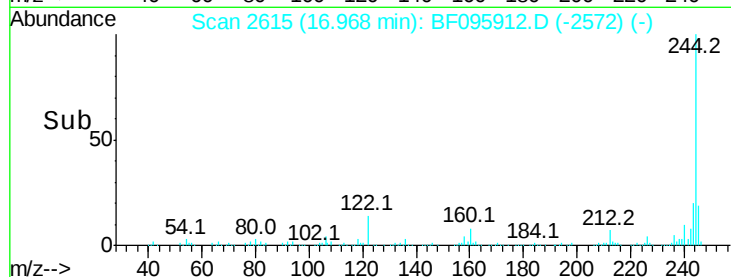
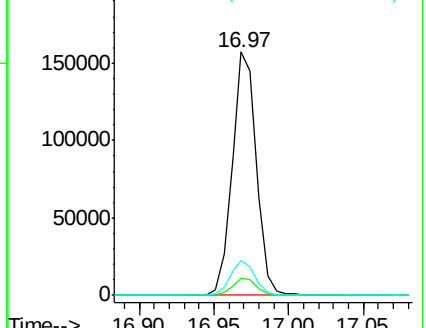
122 14.4 10.3 15.5



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: 6.86 ng

RT: 18.31 min Scan# 2843

Delta R.T. -0.04 min

Lab File: BF095912.D

Acq: 14 Jun 2017 1:06

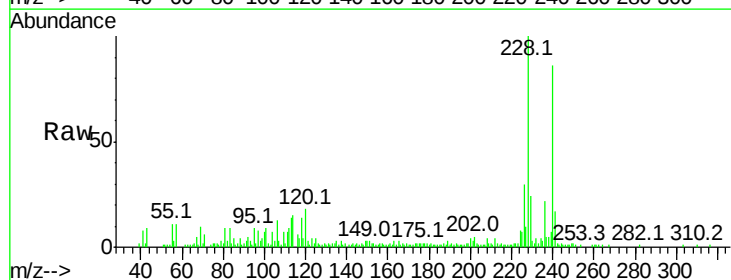
Tgt Ion:228 Resp: 61062

Ion Ratio Lower Upper

228 100

226 30.3 22.6 33.8

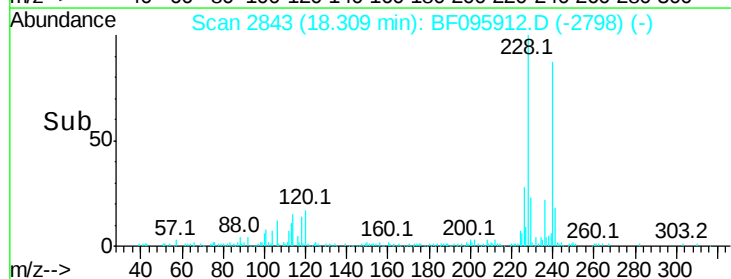
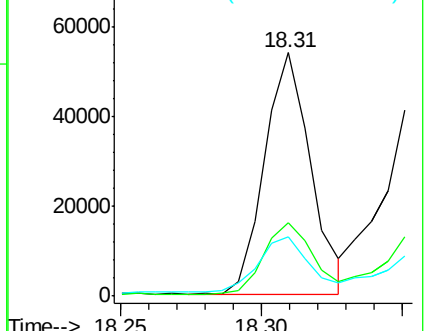
229 24.3 16.3 24.5

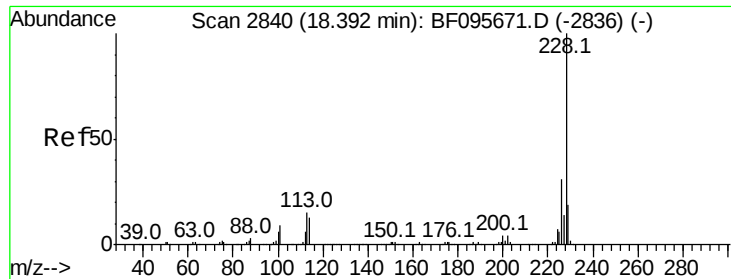


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.59 ng

RT: 18.35 min Scan# 2850

Delta R.T. -0.04 min

Lab File: BF095912.D

Acq: 14 Jun 2017 1:06

Instrument :

BNA_F

ClientSampleId :

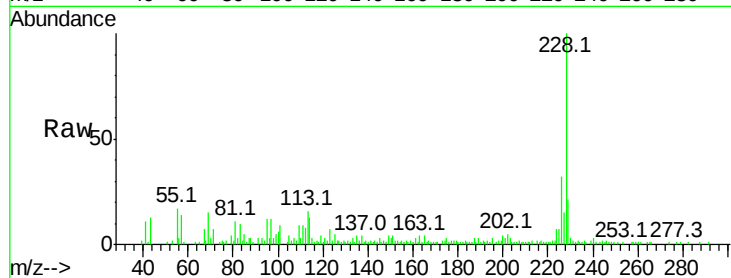
Tot Ion:228 Resp: 58607

Ion Ratio Lower Upper

228 100

226 31.7 24.9 37.3

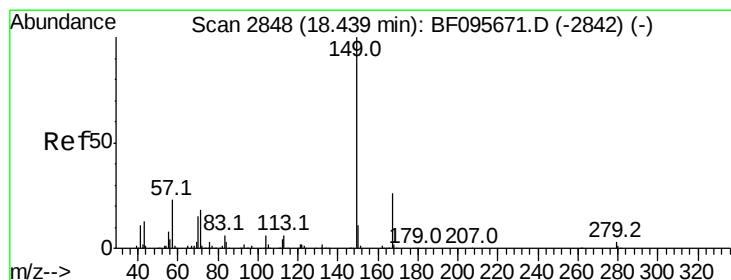
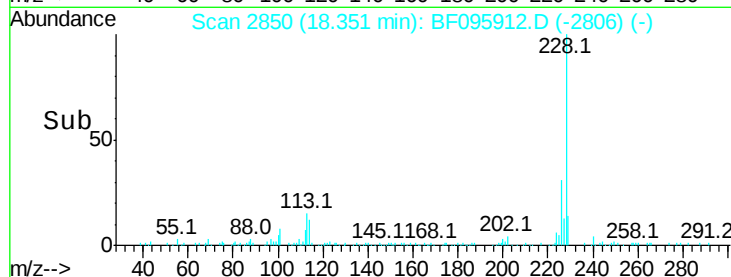
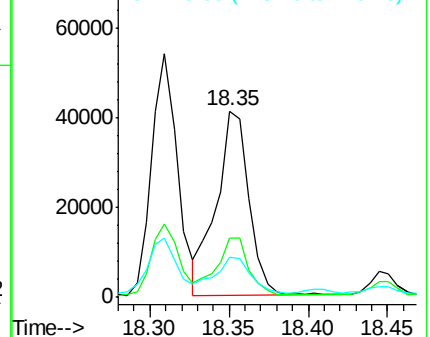
229 21.3 15.8 23.6



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 12.94 ng

RT: 18.40 min Scan# 2858

Delta R.T. -0.04 min

Lab File: BF095912.D

Acq: 14 Jun 2017 1:06

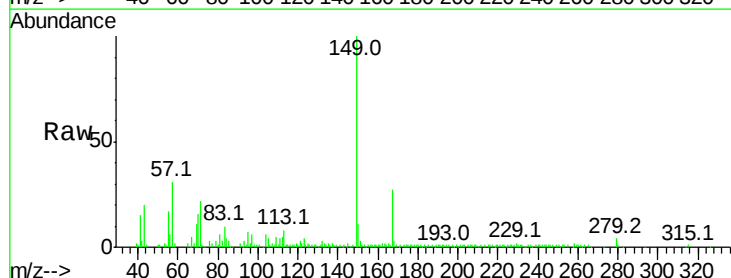
Tgt Ion:149 Resp: 91112

Ion Ratio Lower Upper

149 100

167 26.9 21.0 31.4

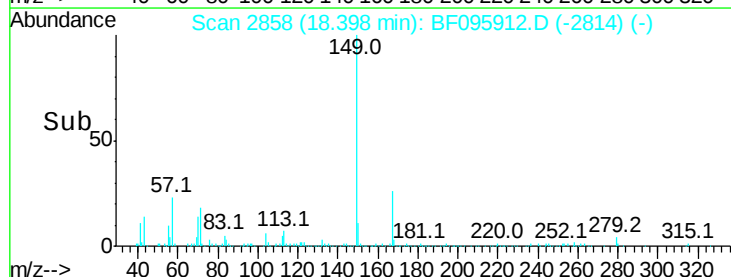
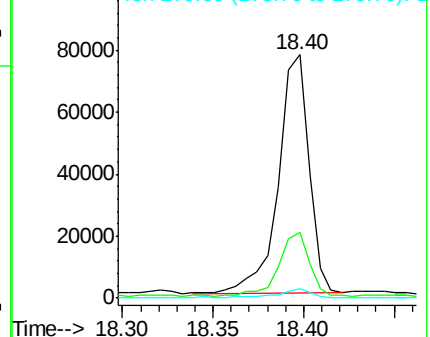
279 3.9 1.9 2.9#

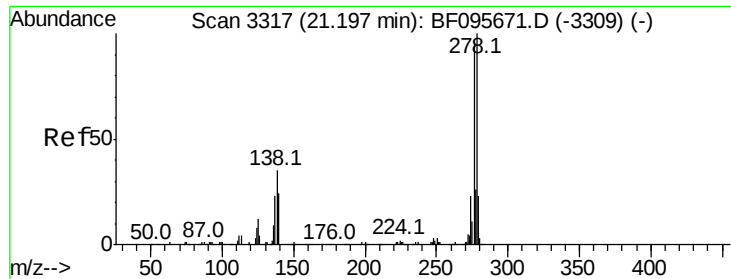


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

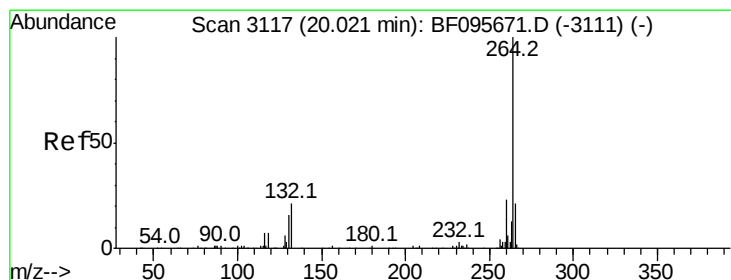
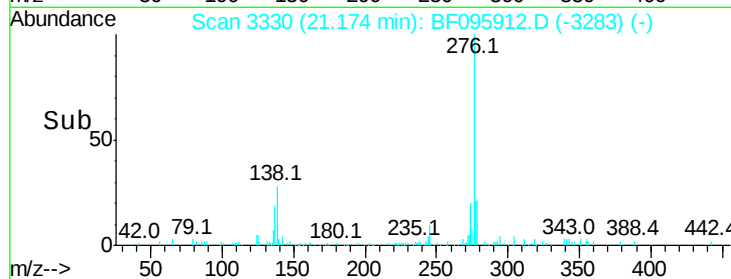
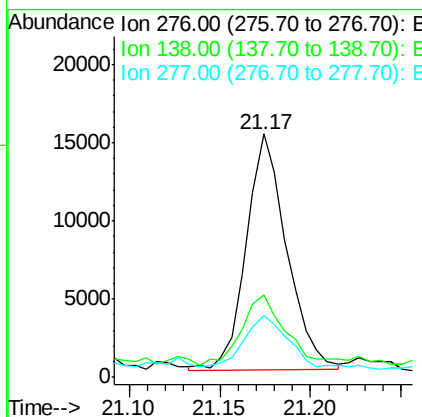
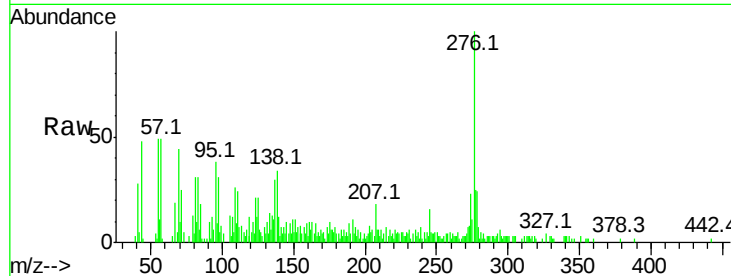




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.08 ng
RT: 21.17 min Scan# 3330
Delta R.T. -0.02 min
Lab File: BF095912.D
Acq: 14 Jun 2017 1:06

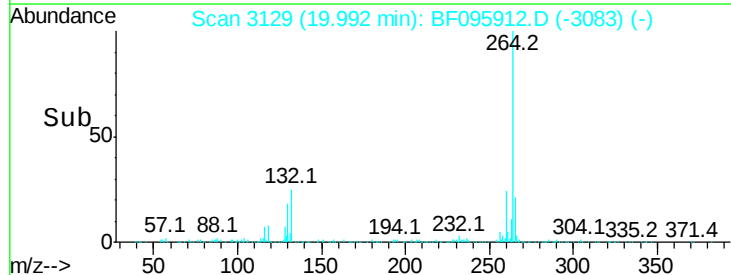
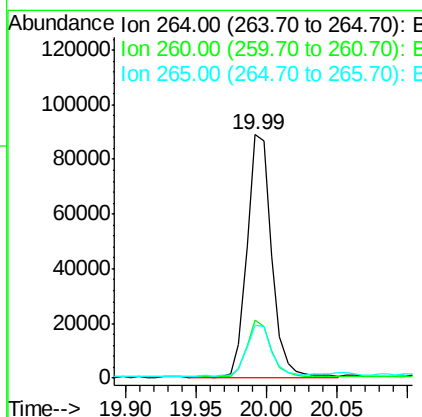
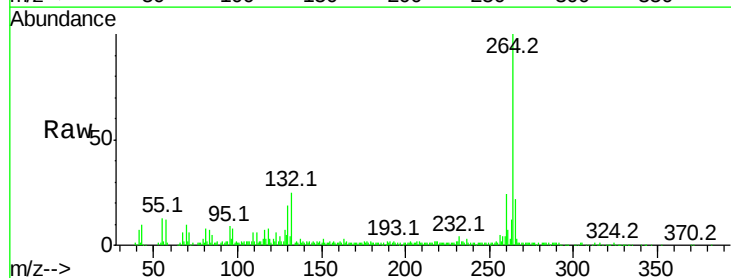
Instrument :
BNA_F
ClientSampleId :

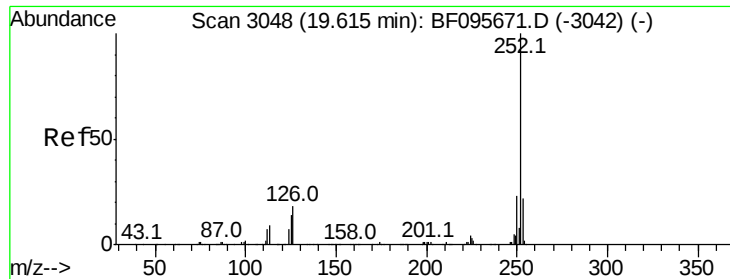
Tot Ion:276 Resp: 23424
Ion Ratio Lower Upper
276 100
138 32.8 27.8 41.6
277 26.3 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 19.99 min Scan# 3129
Delta R.T. -0.03 min
Lab File: BF095912.D
Acq: 14 Jun 2017 1:06

Tgt Ion:264 Resp: 108261
Ion Ratio Lower Upper
264 100
260 24.0 19.5 29.3
265 21.6 17.2 25.8

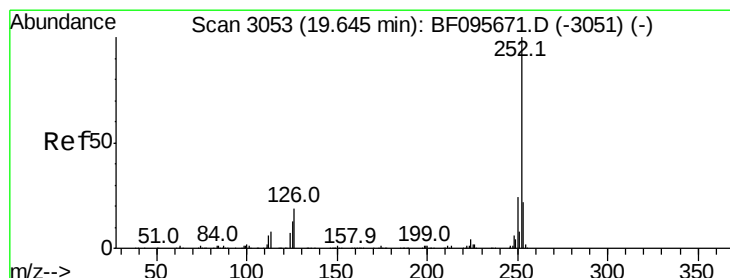
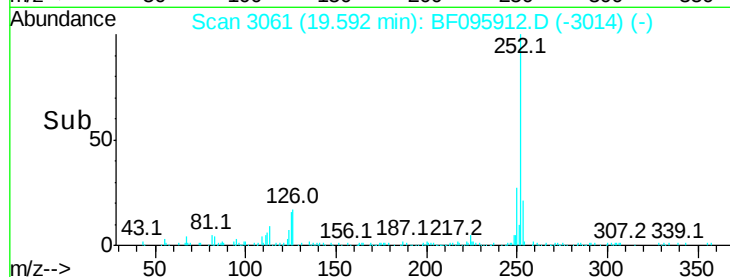
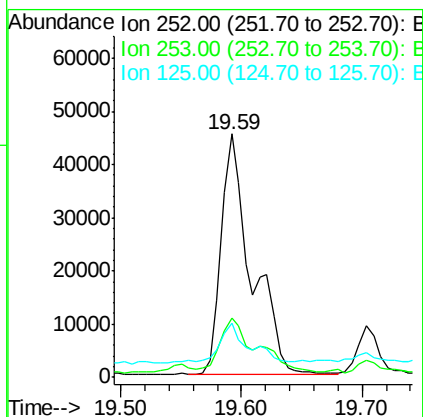
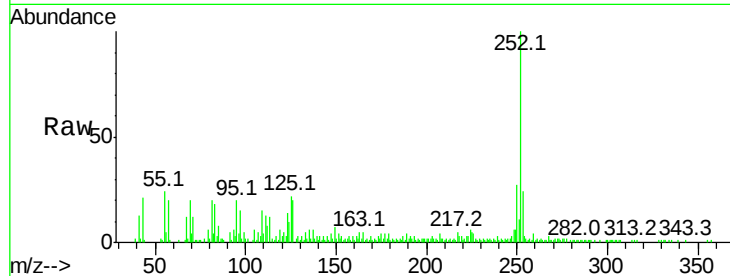




#87
Benzo(b)fluoranthene
Concen: 11.69 ng
RT: 19.59 min Scan# 3061
Delta R.T. -0.02 min
Lab File: BF095912.D
Acq: 14 Jun 2017 1:06

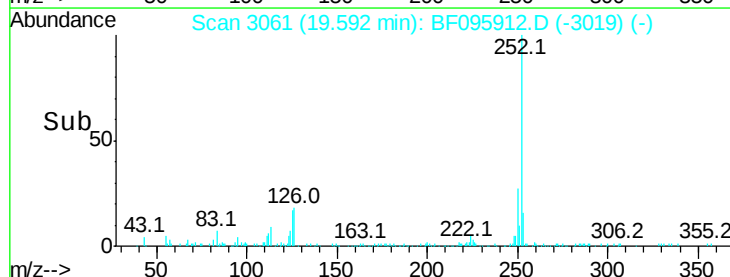
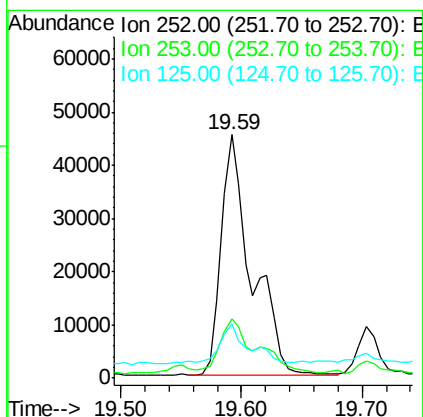
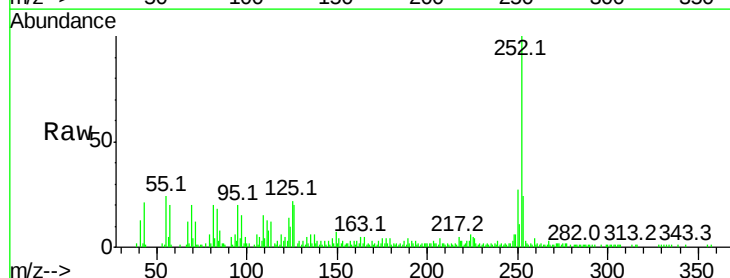
Instrument :
BNA_F
ClientSampleId :

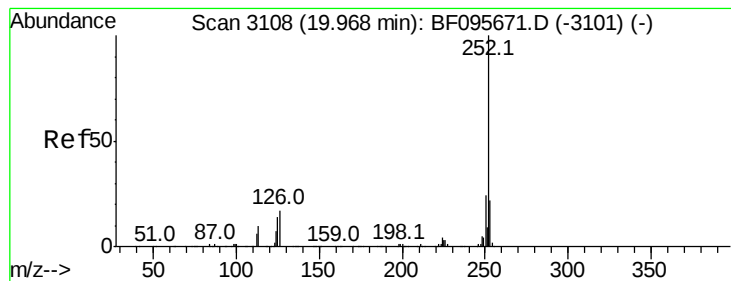
Tot Ion:252 Resp: 79224
Ion Ratio Lower Upper
252 100
253 24.4 18.1 27.1
125 22.3 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 12.23 ng
RT: 19.59 min Scan# 3061
Delta R.T. -0.05 min
Lab File: BF095912.D
Acq: 14 Jun 2017 1:06

Tgt Ion:252 Resp: 79224
Ion Ratio Lower Upper
252 100
253 24.4 18.4 27.6
125 22.3 13.1 19.7#





#89

Benzo(a)pyrene

Concen: 6.97 ng

RT: 19.94 min Scan# 3121

Delta R.T. -0.02 min

Lab File: BF095912.D

Acq: 14 Jun 2017 1:06

Instrument :

BNA_F

ClientSampled :

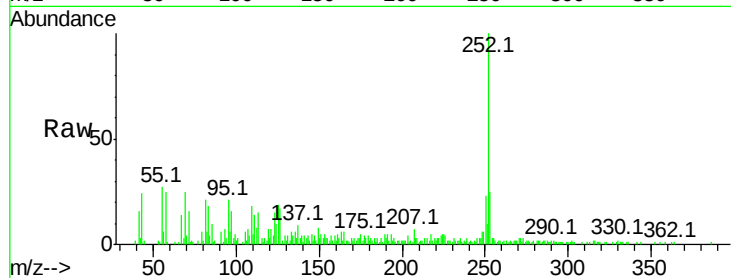
Tot Ion:252 Resp: 43457

Ion Ratio Lower Upper

252 100

253 25.3 17.5 26.3

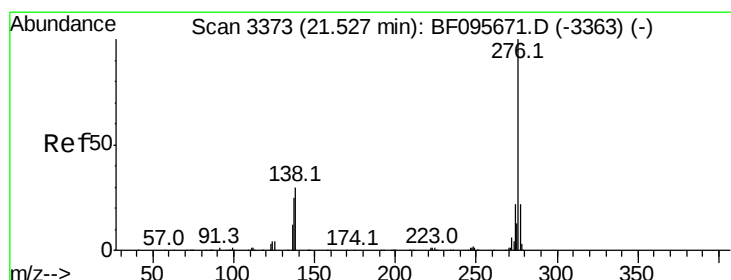
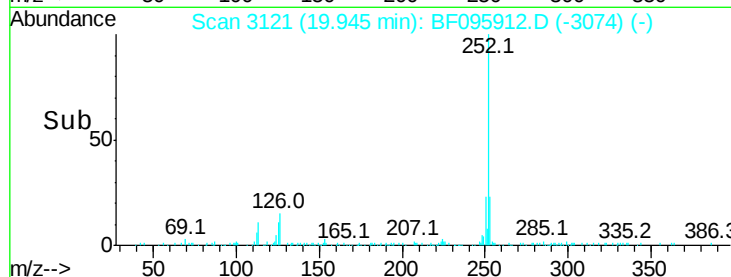
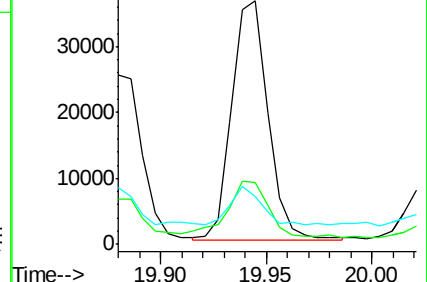
125 19.5 11.0 16.4#



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: 4.22 ng

RT: 21.51 min Scan# 3387

Delta R.T. -0.02 min

Lab File: BF095912.D

Acq: 14 Jun 2017 1:06

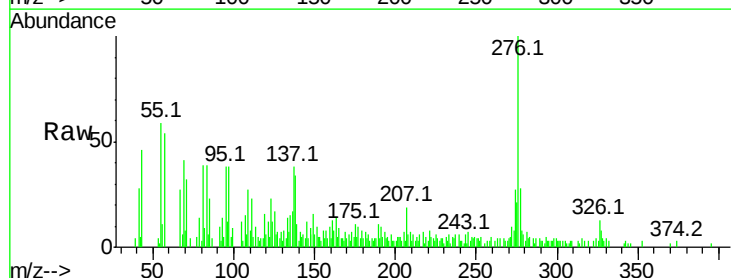
Tgt Ion:276 Resp: 22734

Ion Ratio Lower Upper

276 100

277 28.4 18.6 28.0#

138 34.4 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

