

Data Path : Z:\HPCHEM1\BNA F\Data\BF051517\
 Data File : BF095155.D
 Acq On : 16 May 2017 12:53
 Operator : SJ/MA
 Sample : I3140-11 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 16 16:18:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

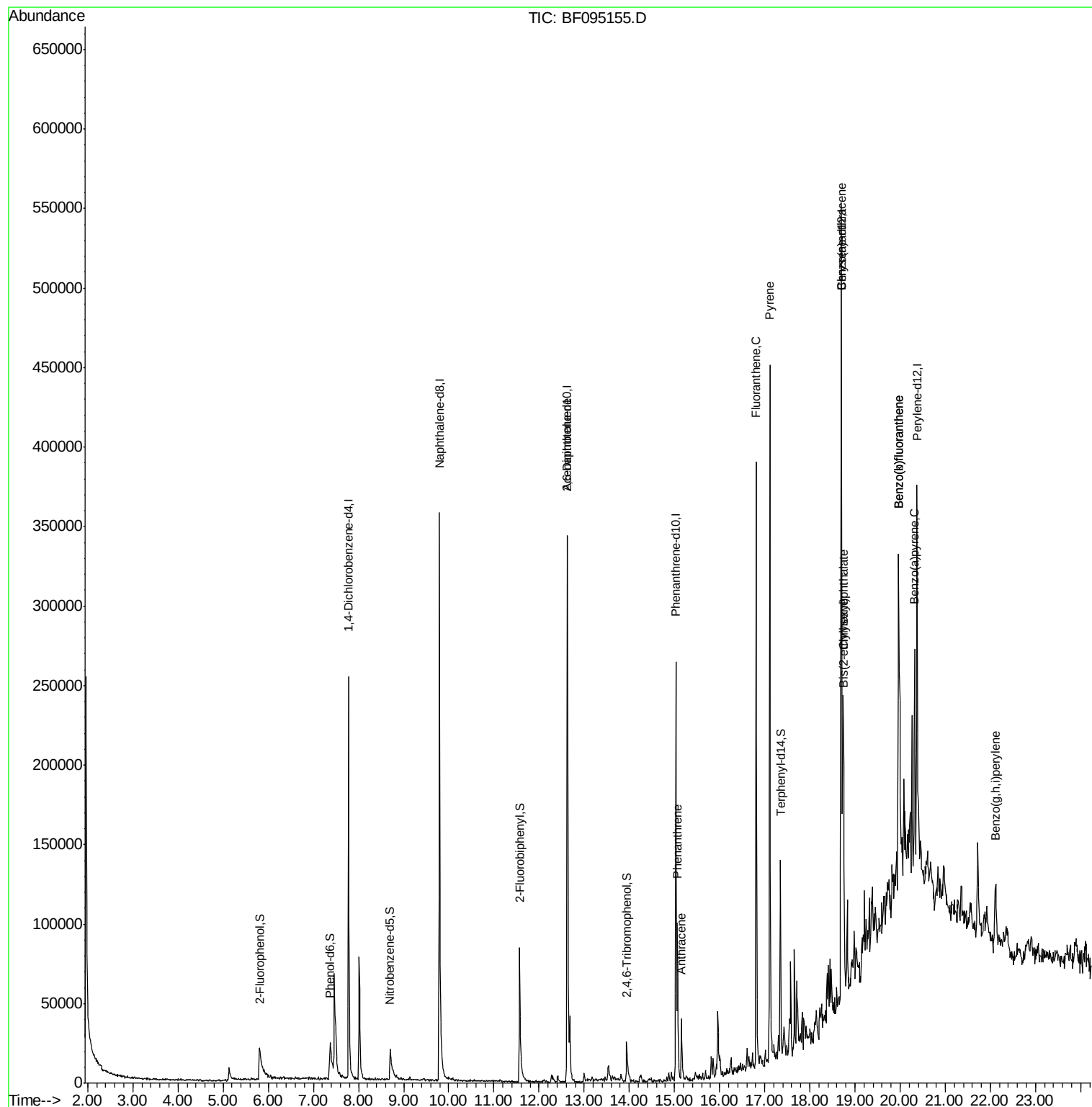
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	61952	20.00	ng	0.05
21) Naphthalene-d8	9.80	136	283032	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	118159	20.00	ng	0.04
63) Phenanthrene-d10	15.03	188	153318	20.00	ng	0.05
75) Chrysene-d12	18.70	240	179780	20.00	ng	0.05
86) Perylene-d12	20.38	264	113392	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	32206	8.67	ng	0.12
7) Phenol-d6	7.37	99	31272	7.01	ng	0.09
23) Nitrobenzene-d5	8.70	82	25429	5.67	ng	0.06
41) 2,4,6-Tribromophenol	13.94	330	7234	7.48	ng	0.06
44) 2-Fluorobiphenyl	11.57	172	64565	7.86	ng	0.04
78) Terphenyl-d14	17.35	244	44419	5.44	ng	0.04
Target Compounds						
50) 2,6-Dinitrotoluene	12.62	165	10194	5.15	ng	Qvalue # 31
70) Phenanthrene	15.07	178	59956	6.81	ng	98
71) Anthracene	15.16	178	29433	3.27	ng	98
74) Fluoranthene	16.81	202	220854	24.44	ng	98
77) Pyrene	17.11	202	207805	15.46	ng	96
80) Benzo(a)anthracene	18.69	228	102066	9.75	ng	98
82) Chrysene	18.73	228	99603	9.85	ng	97
83) Bis(2-ethylhexyl)phthalate	18.75	149	36036	4.04	ng	# 99
87) Benzo(b)fluoranthene	19.97	252	146016	20.84	ng	# 95
88) Benzo(k)fluoranthene	19.97	252	146016	21.60	ng	96
89) Benzo(a)pyrene	20.32	252	65273	10.10	ng	97
91) Benzo(a,h,i)perylene	22.11	276	33492	6.39	ng	92

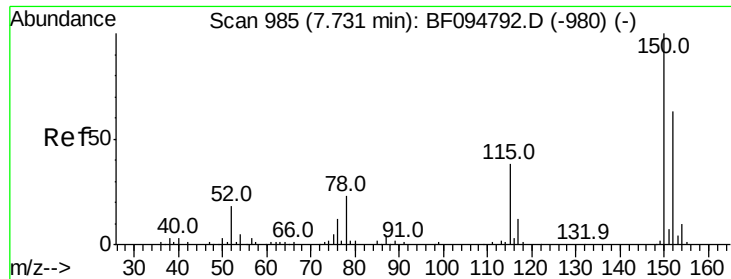
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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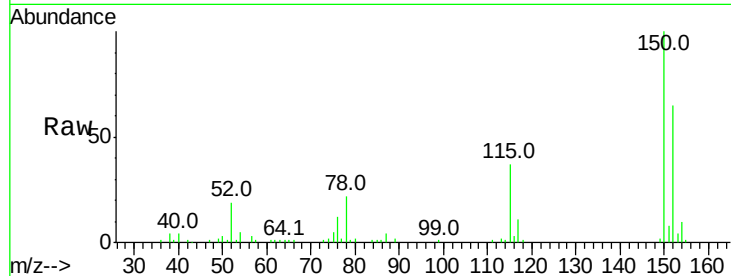


#1

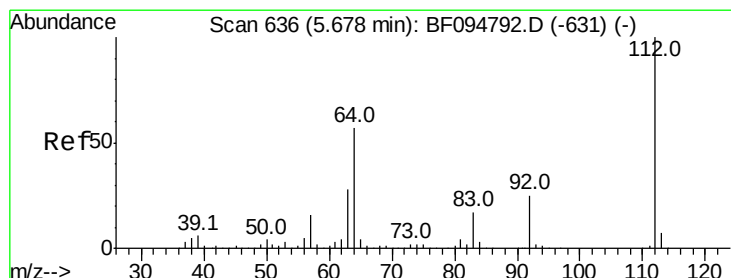
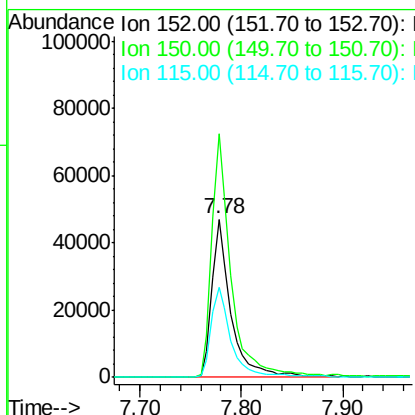
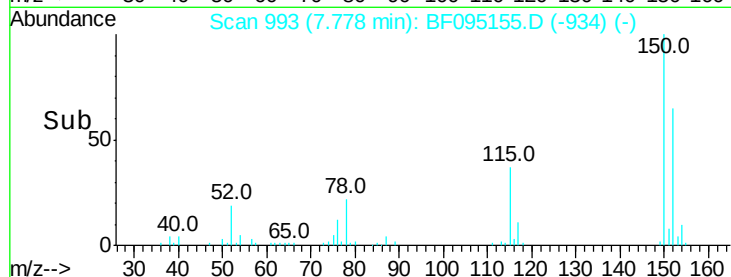
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.78 min Scan# 993
Delta R.T. 0.05 min
Lab File: BF095155.D
Acq: 16 May 2017 12:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 61952
Ion Ratio Lower Upper
152 100
150 154.1 126.2 189.2
115 57.4 52.2 78.2



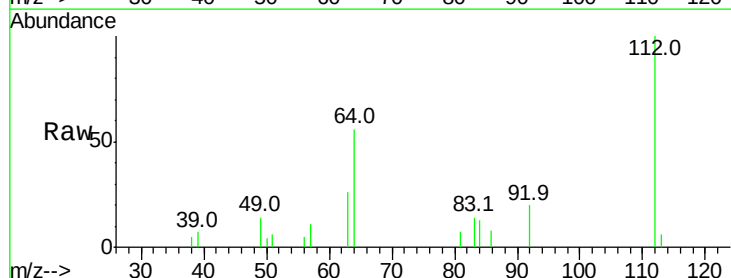
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



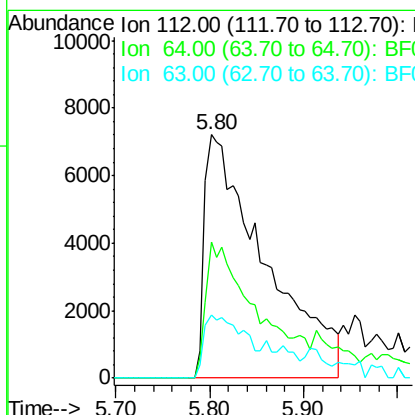
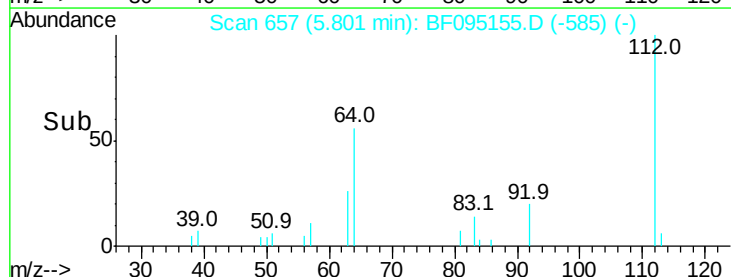
#5

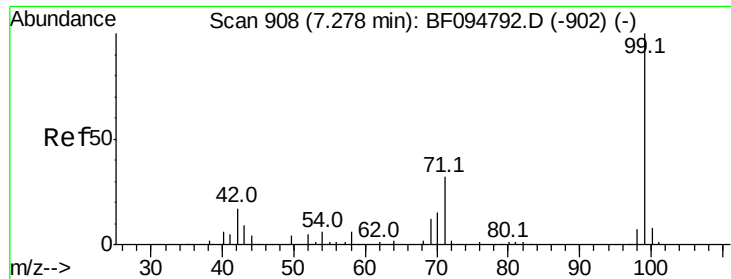
2-Fluorophenol
Concen: 8.67 ng
RT: 5.80 min Scan# 657
Delta R.T. 0.12 min
Lab File: BF095155.D
Acq: 16 May 2017 12:53

Tgt Ion:112 Resp: 32206
Ion Ratio Lower Upper
112 100
64 56.1 46.0 69.0
63 25.7 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: 7.01 ng

RT: 7.37 min Scan# 923

Delta R.T. 0.09 min

Lab File: BF095155.D

Acq: 16 May 2017 12:53

Instrument :

BNA_F

ClientSampleId :

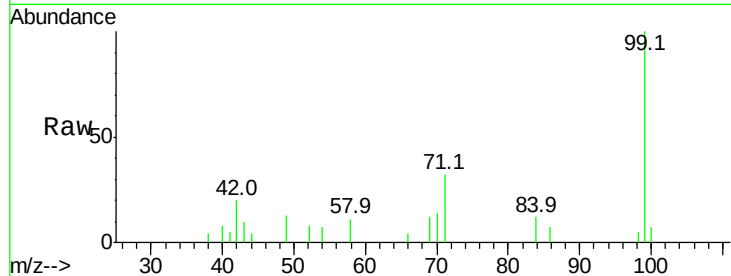
Tot Ion: 99 Resp: 31272

Ion Ratio Lower Upper

99 100

42 19.9 13.5 20.3

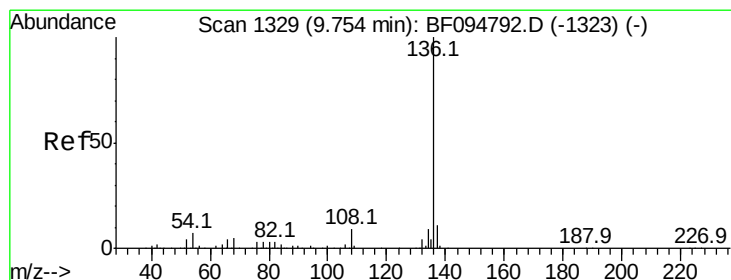
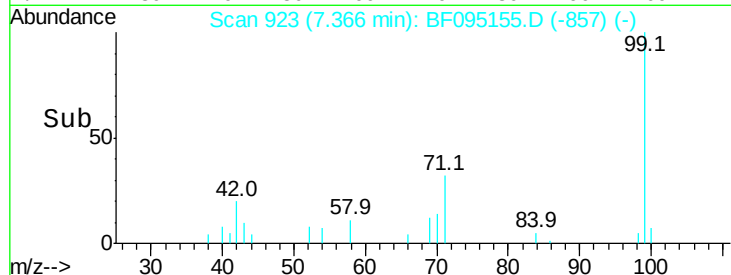
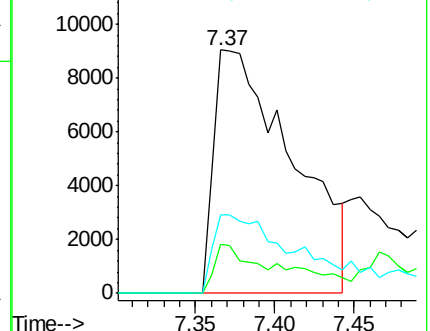
71 32.3 24.5 36.7



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: 9.80 min Scan# 1336

Delta R.T. 0.04 min

Lab File: BF095155.D

Acq: 16 May 2017 12:53

Tgt Ion: 136 Resp: 283032

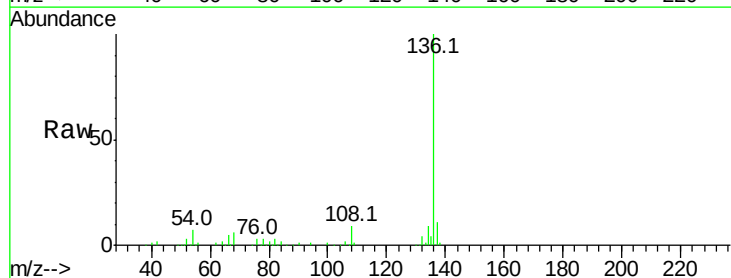
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 6.6 4.9 7.3

68 5.5 4.1 6.1

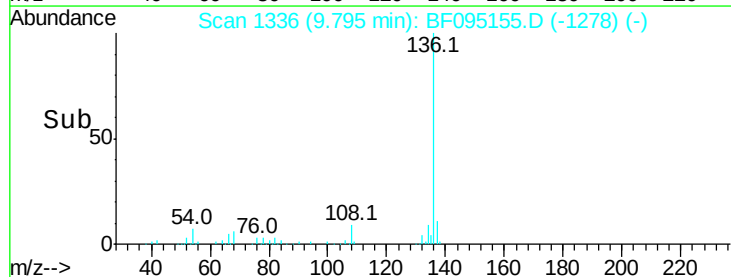
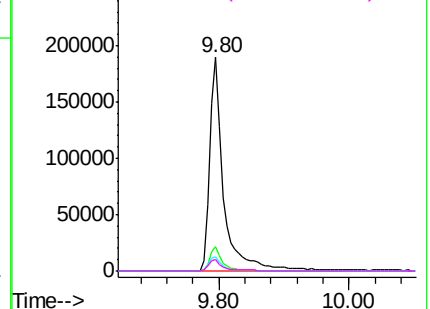


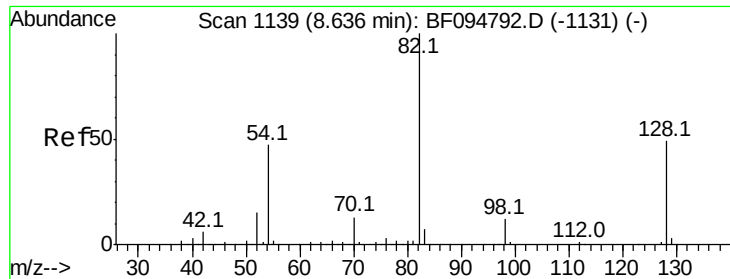
Abundance Ion 136.00 (135.70 to 136.70): E

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

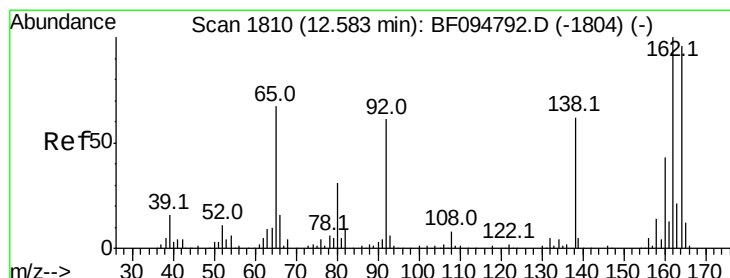
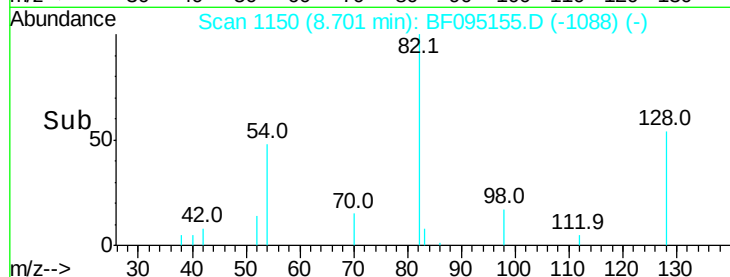
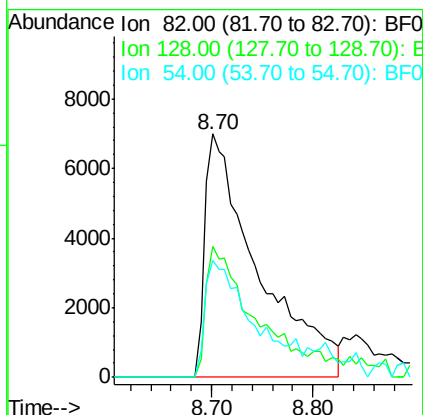
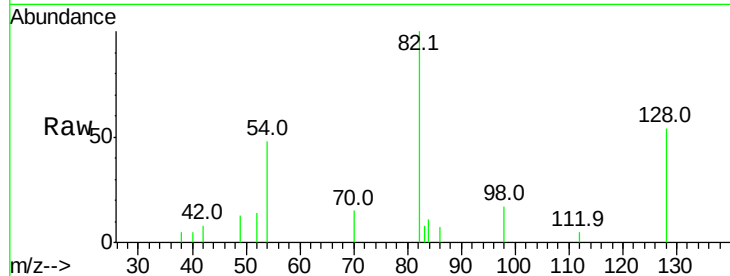




#23
 Nitrobenzene-d5
 Concen: 5.67 ng
 RT: 8.70 min Scan# 1150
 Delta R.T. 0.06 min
 Lab File: BF095155.D
 Acq: 16 May 2017 12:53

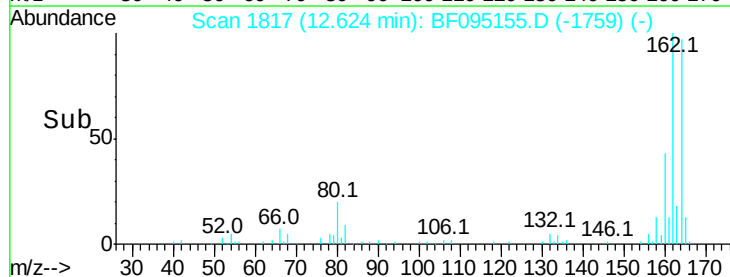
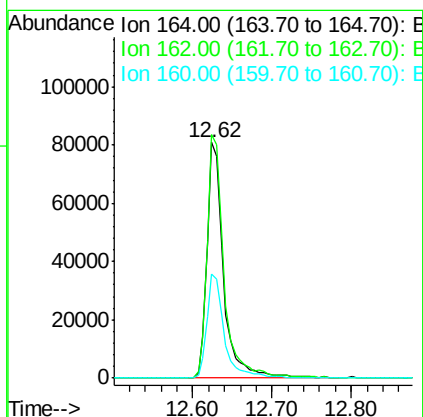
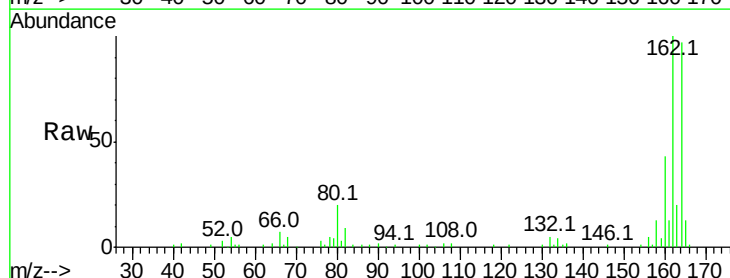
Instrument :
 BNA_F
 ClientSampleId :

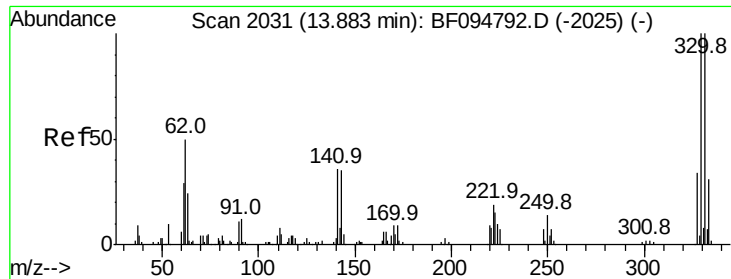
Tot Ion: 82 Resp: 25429
 Ion Ratio Lower Upper
 82 100
 128 53.8 34.0 51.0#
 54 47.9 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.62 min Scan# 1817
 Delta R.T. 0.04 min
 Lab File: BF095155.D
 Acq: 16 May 2017 12:53

Tgt Ion:164 Resp: 118159
 Ion Ratio Lower Upper
 164 100
 162 103.4 82.6 123.8
 160 44.2 36.2 54.2

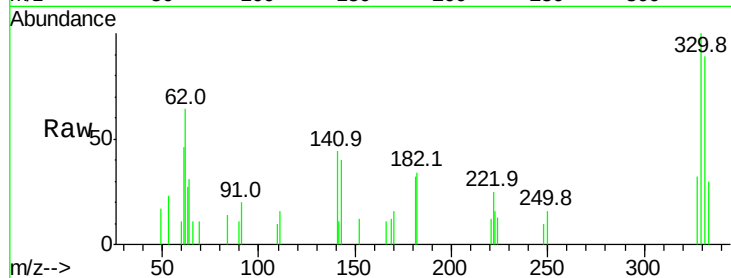




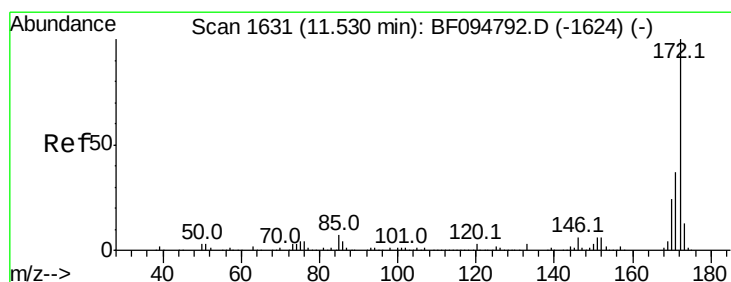
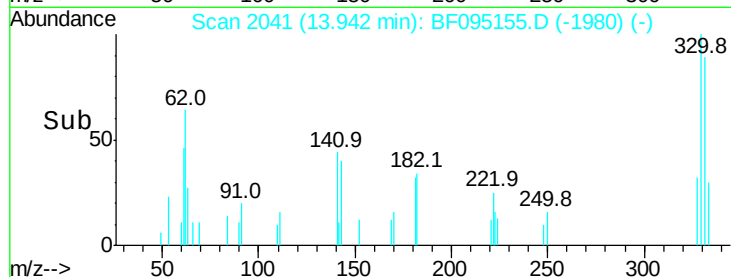
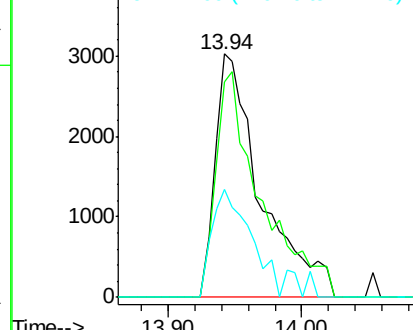
#41
 2,4,6-Tribromophenol
 Concen: 7.48 ng
 RT: 13.94 min Scan# 2041
 Delta R.T. 0.06 min
 Lab File: BF095155.D
 Acq: 16 May 2017 12:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 7234
 Ion Ratio Lower Upper
 330 100
 332 91.7 76.6 115.0
 141 37.4 31.4 47.2

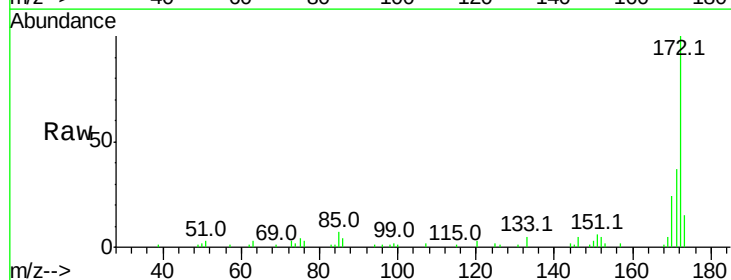


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

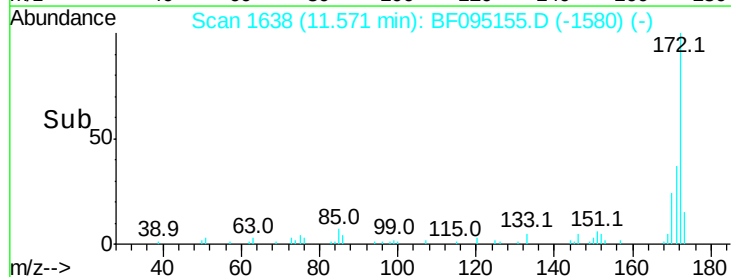
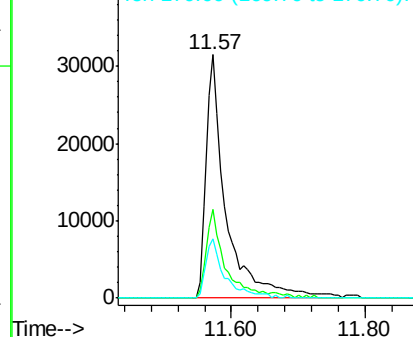


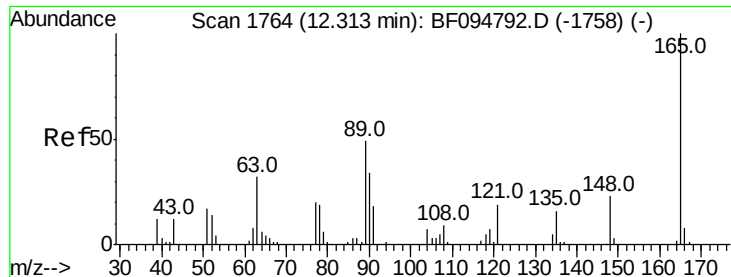
#44
 2-Fluorobiphenyl
 Concen: 7.86 ng
 RT: 11.57 min Scan# 1638
 Delta R.T. 0.04 min
 Lab File: BF095155.D
 Acq: 16 May 2017 12:53

Tgt Ion:172 Resp: 64565
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 24.5 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

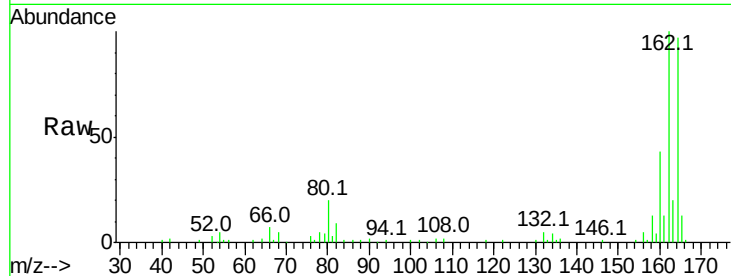




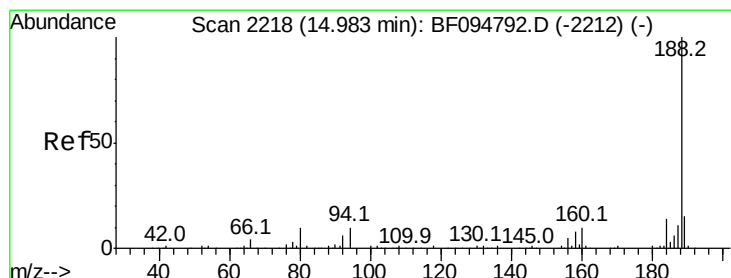
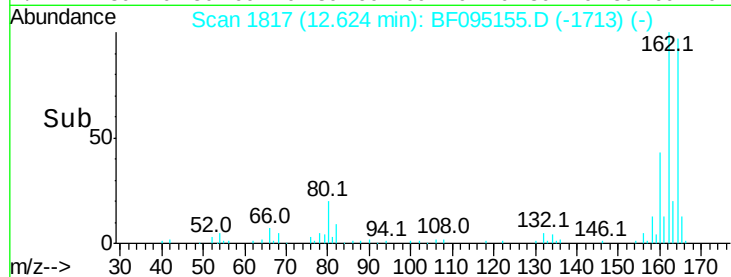
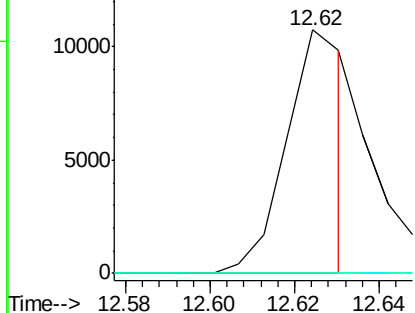
#50
 2,6-Dinitrotoluene
 Concen: 5.15 ng
 RT: 12.62 min Scan# 1817
 Delta R.T. 0.31 min
 Lab File: BF095155.D
 Acq: 16 May 2017 12:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#

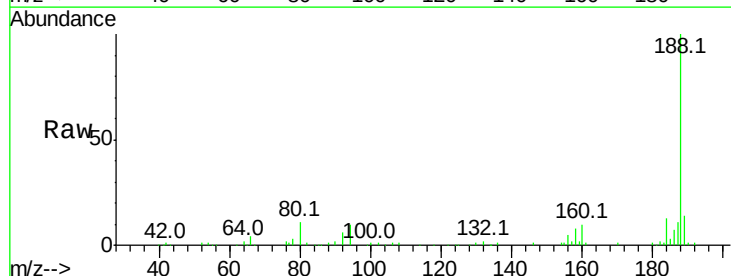


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

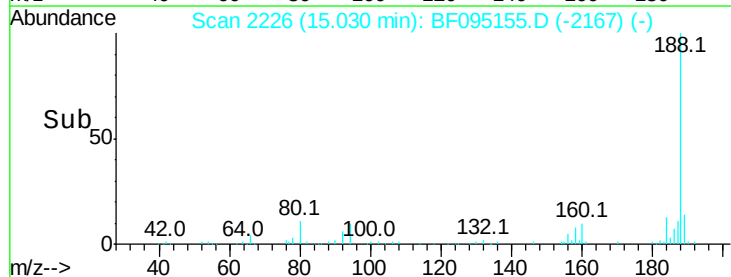
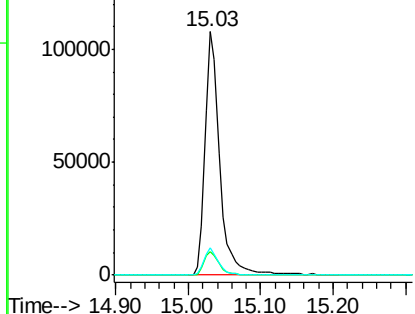


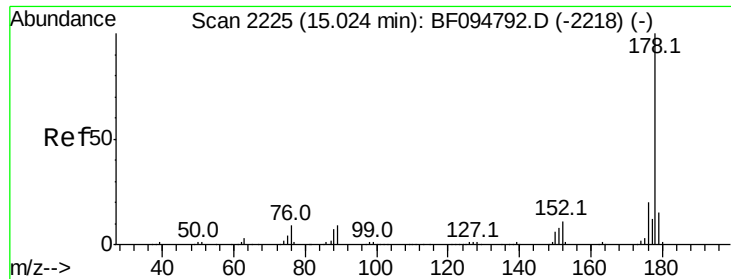
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.03 min Scan# 2226
 Delta R.T. 0.05 min
 Lab File: BF095155.D
 Acq: 16 May 2017 12:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	9.4	14.2
80	11.5	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

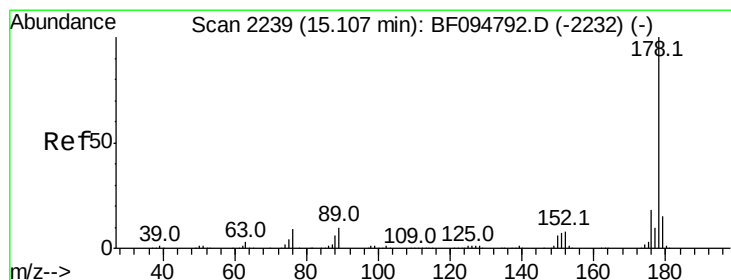
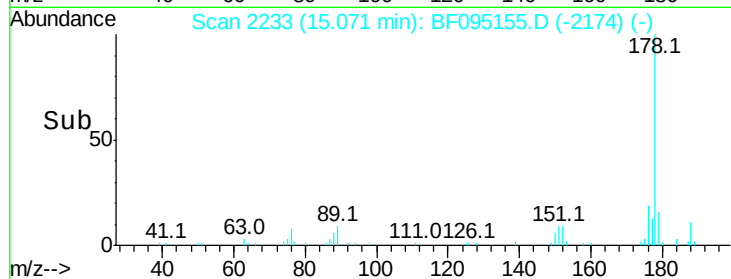
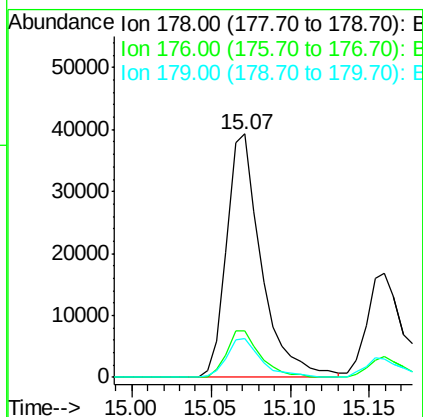
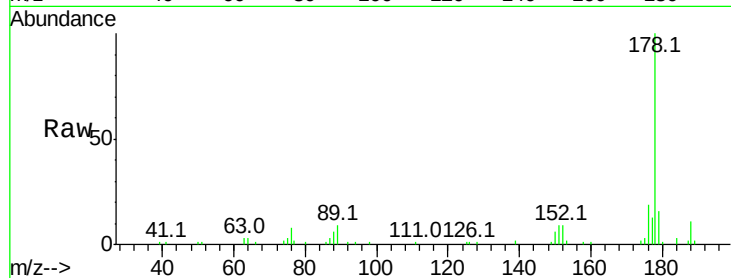




#70
Phenanthrene
Concen: 6.81 ng
RT: 15.07 min Scan# 2233
Delta R.T. 0.05 min
Lab File: BF095155.D
Acq: 16 May 2017 12:53

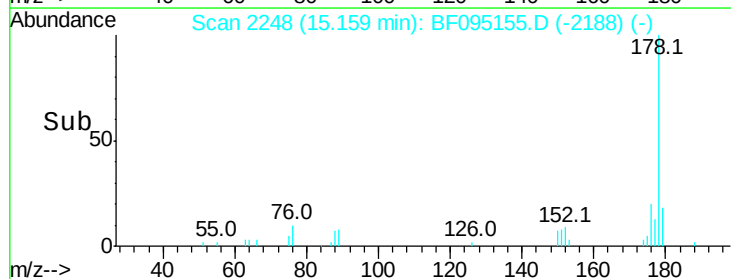
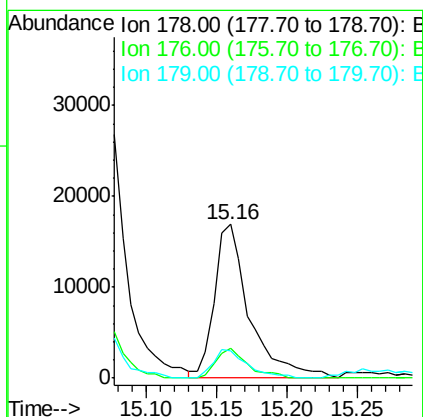
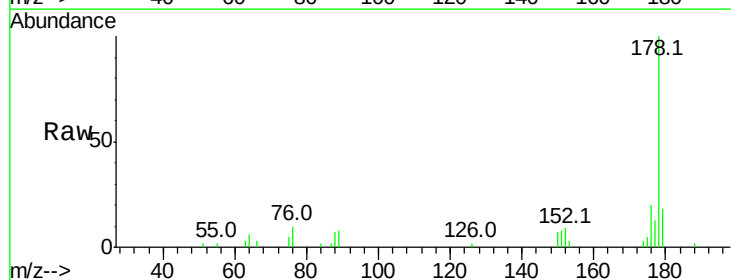
Instrument :
BNA_F
ClientSampleId :

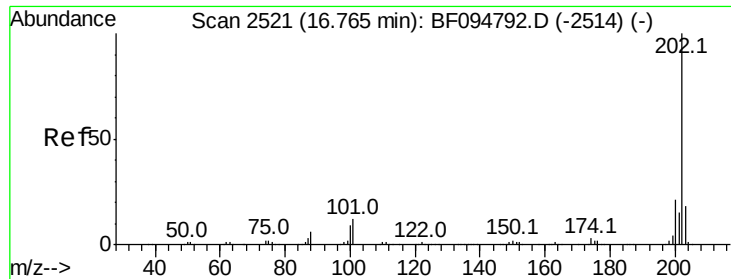
Tot Ion:178 Resp: 59956
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.4
179 16.1 12.6 19.0



#71
Anthracene
Concen: 3.27 ng
RT: 15.16 min Scan# 2248
Delta R.T. 0.05 min
Lab File: BF095155.D
Acq: 16 May 2017 12:53

Tgt Ion:178 Resp: 29433
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 17.5 12.7 19.1

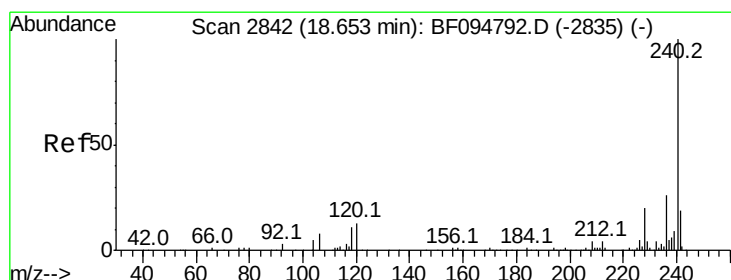
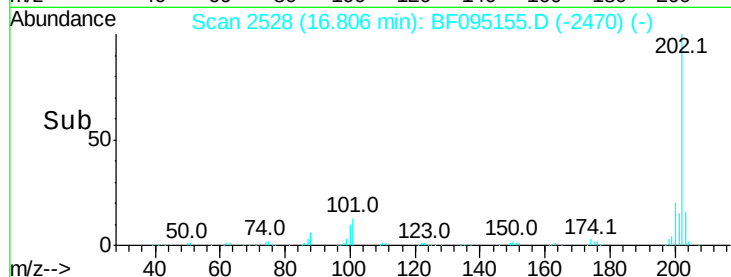
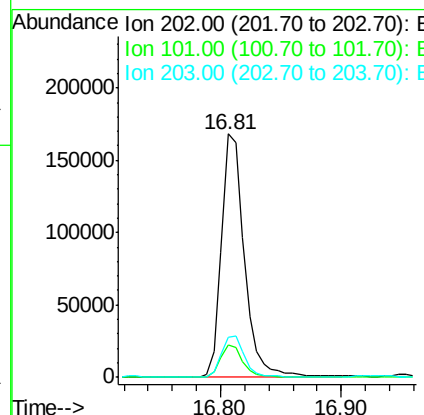
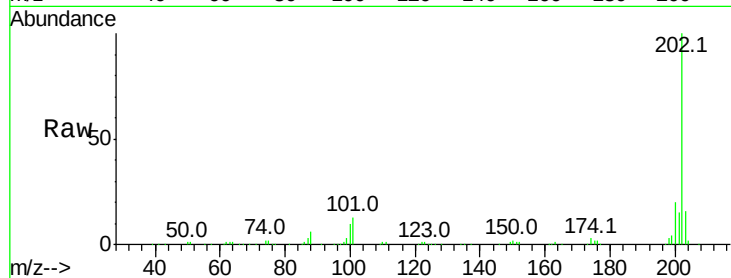




#74
 Fluoranthene
 Concen: 24.44 ng
 RT: 16.81 min Scan# 2528
 Delta R.T. 0.04 min
 Lab File: BF095155.D
 Acq: 16 May 2017 12:53

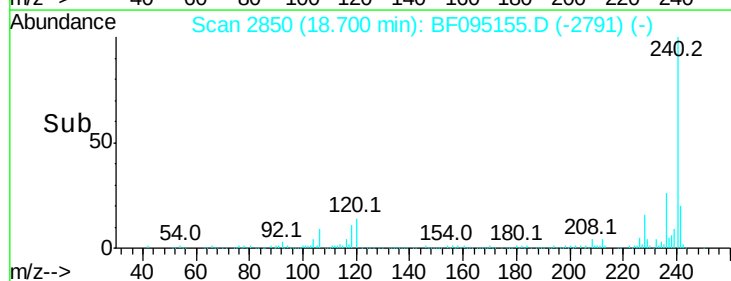
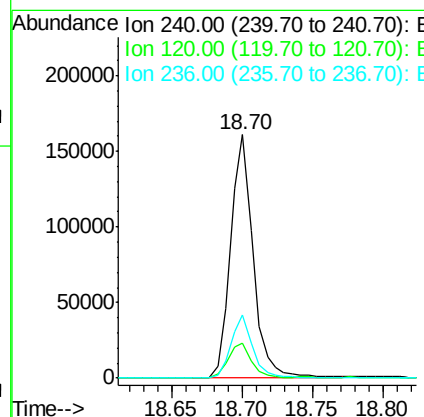
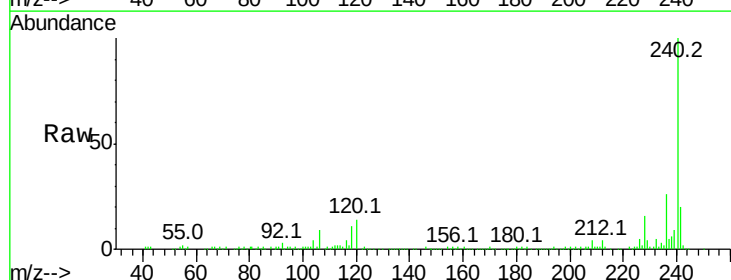
Instrument :
 BNA_F
 ClientSampleId :

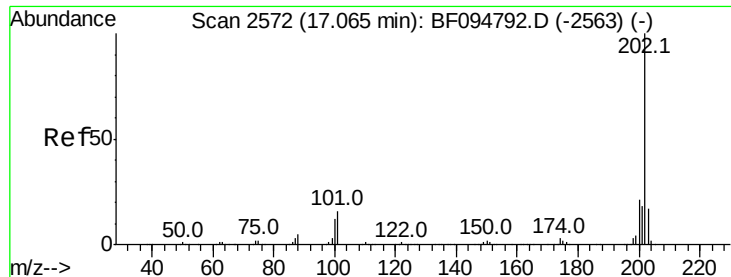
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	33.2
203	16.5	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.70 min Scan# 2850
 Delta R.T. 0.05 min
 Lab File: BF095155.D
 Acq: 16 May 2017 12:53

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.4	5.8	8.8#
236	25.7	20.5	30.7





#77

Pvrene

Concen: 15.46 ng

RT: 17.11 min Scan# 2580

Delta R.T. 0.05 min

Lab File: BF095155.D

Acq: 16 May 2017 12:53

Instrument :

BNA_F

ClientSampleId :

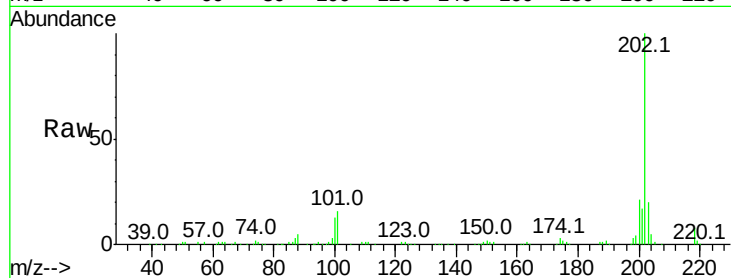
Tot Ion:202 Resp: 207805

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

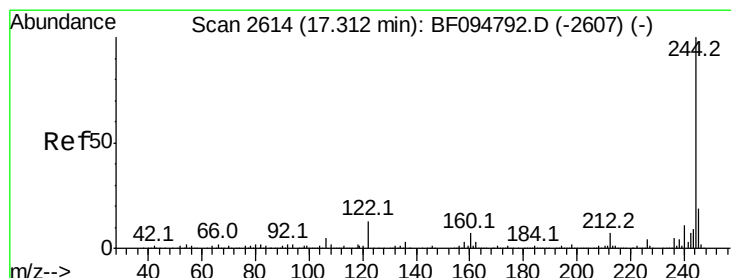
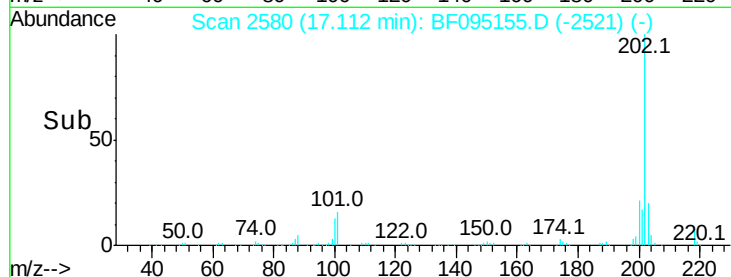
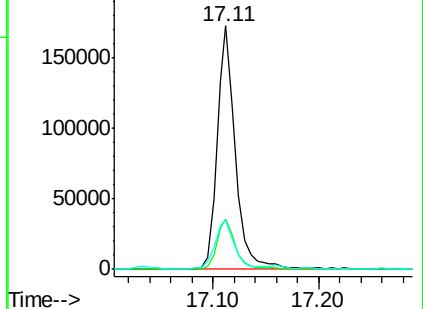
203 20.2 14.4 21.6



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: 5.44 ng

RT: 17.35 min Scan# 2620

Delta R.T. 0.04 min

Lab File: BF095155.D

Acq: 16 May 2017 12:53

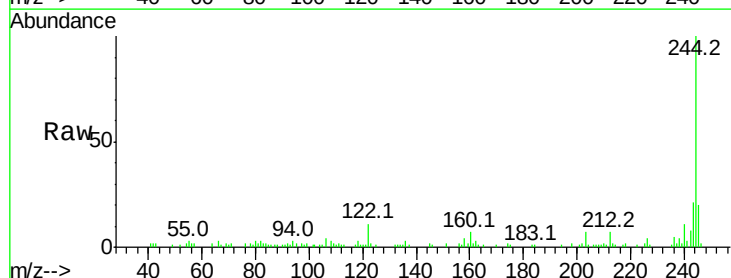
Tgt Ion:244 Resp: 44419

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

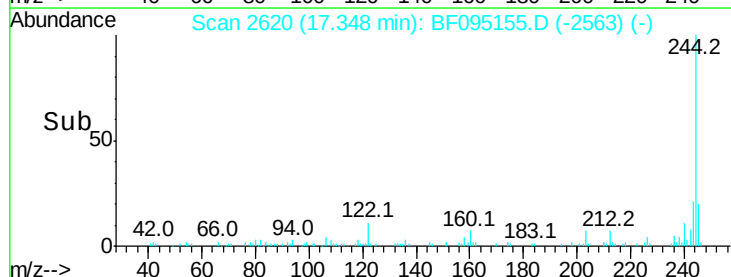
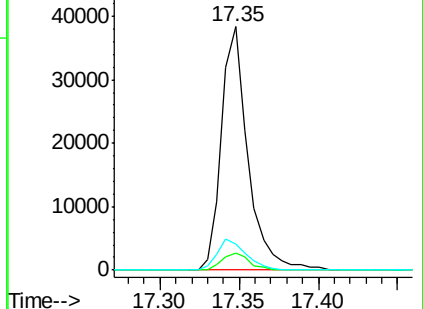
122 10.6 10.3 15.5

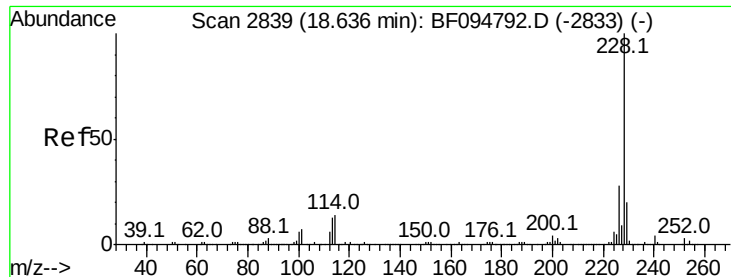


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

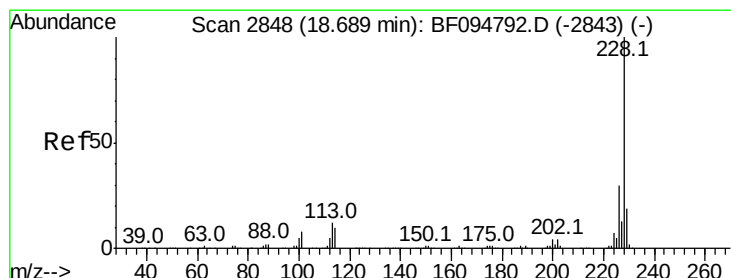
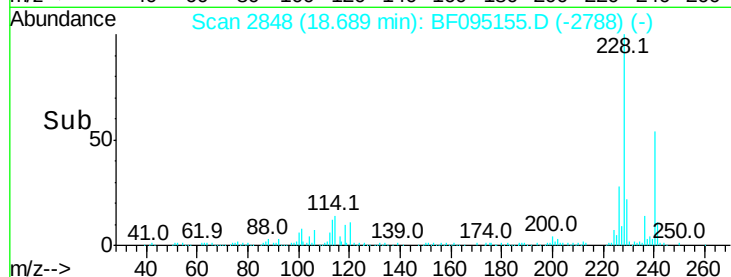
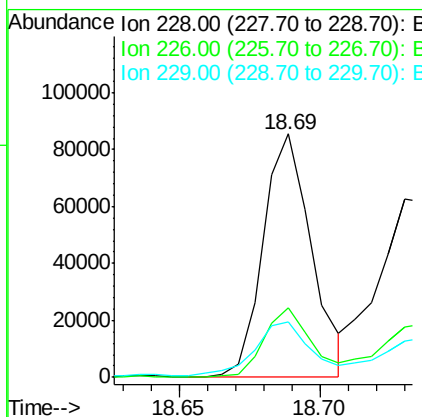
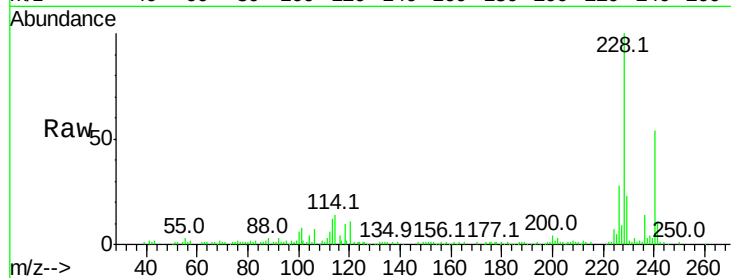




#80
Benzo(a)anthracene
Concen: 9.75 ng
RT: 18.69 min Scan# 2848
Delta R.T. 0.05 min
Lab File: BF095155.D
Acq: 16 May 2017 12:53

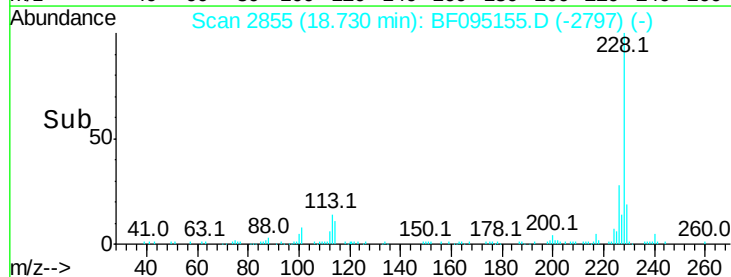
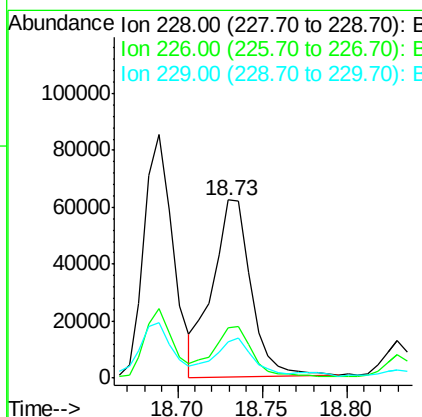
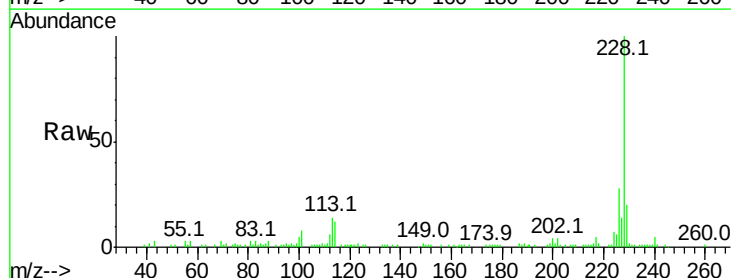
Instrument :
BNA_F
ClientSampleId :

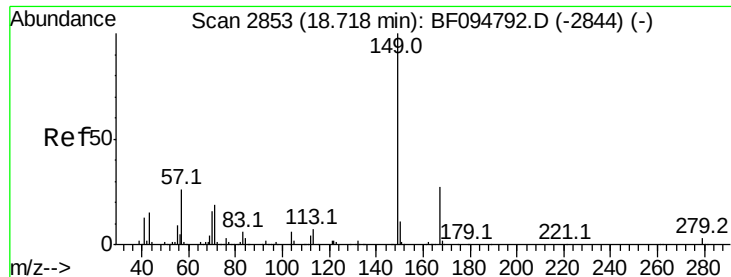
Tot Ion:228 Resp: 102066
Ion Ratio Lower Upper
228 100
226 28.4 22.6 33.8
229 22.7 16.3 24.5



#82
Chrysene
Concen: 9.85 ng
RT: 18.73 min Scan# 2855
Delta R.T. 0.04 min
Lab File: BF095155.D
Acq: 16 May 2017 12:53

Tgt Ion:228 Resp: 99603
Ion Ratio Lower Upper
228 100
226 28.5 24.9 37.3
229 20.2 15.8 23.6

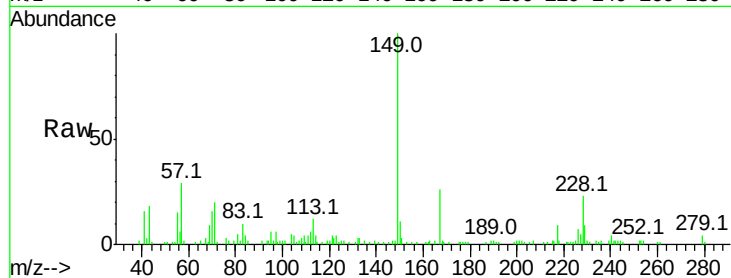




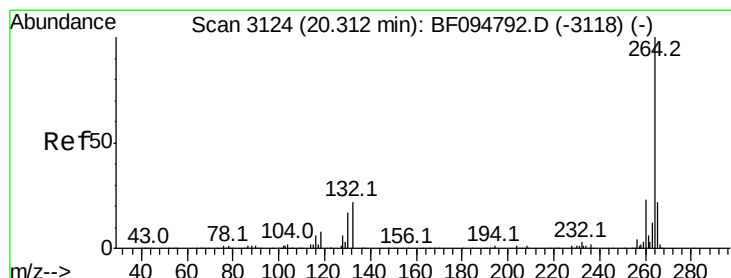
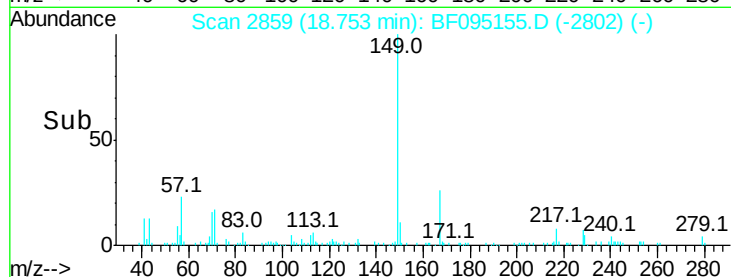
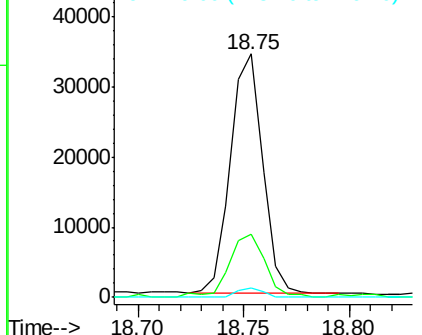
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.04 ng
 RT: 18.75 min Scan# 2859
 Delta R.T. 0.04 min
 Lab File: BF095155.D
 Acq: 16 May 2017 12:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 36036
 Ion Ratio Lower Upper
 149 100
 167 26.0 21.0 31.4
 279 4.0 1.9 2.9#

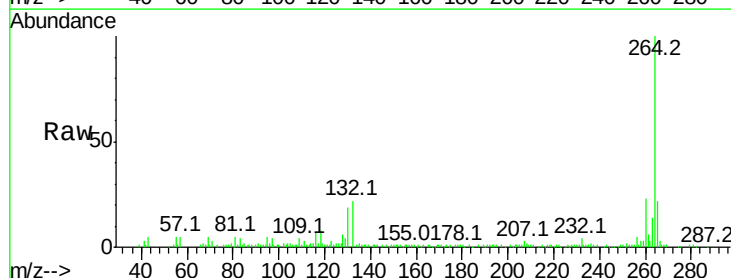


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

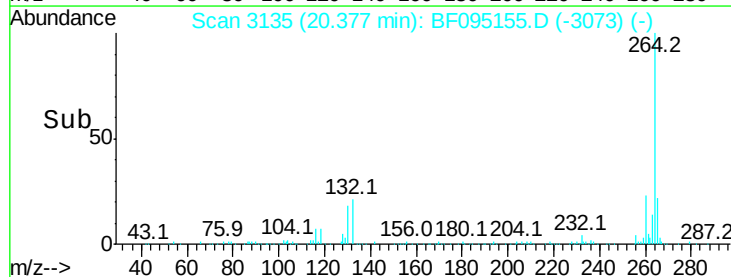
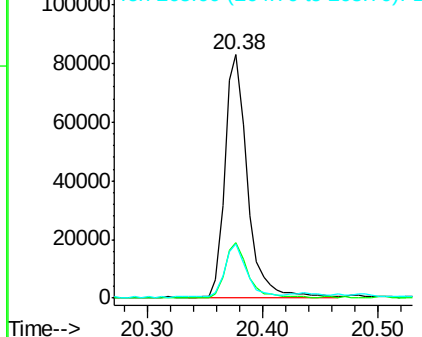


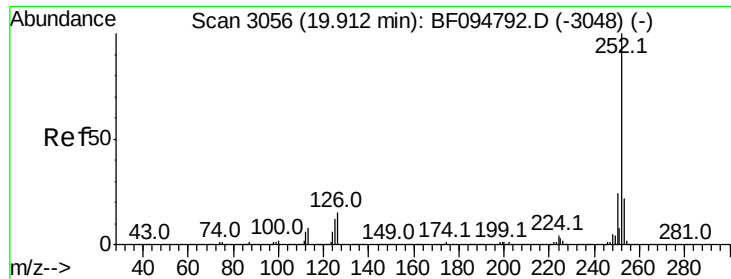
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.38 min Scan# 3135
 Delta R.T. 0.06 min
 Lab File: BF095155.D
 Acq: 16 May 2017 12:53

Tgt Ion:264 Resp: 113392
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.5 29.3
 265 22.4 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 20.84 ng

RT: 19.97 min Scan# 3066

Delta R.T. 0.06 min

Lab File: BF095155.D

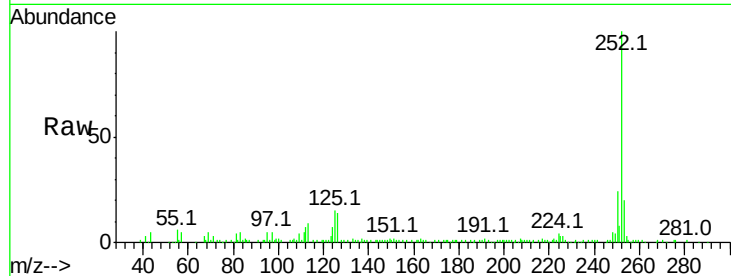
Acq: 16 May 2017 12:53

Instrument :

BNA_F

ClientSampled :

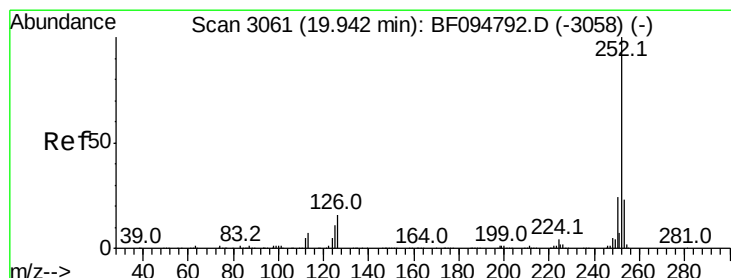
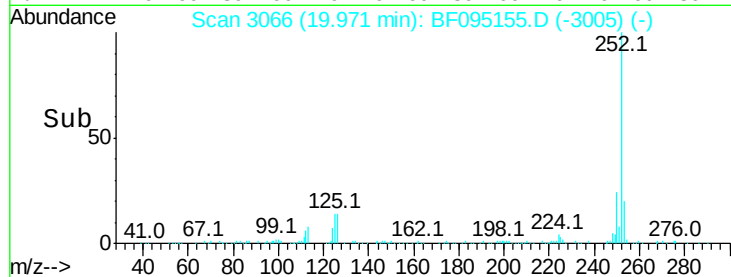
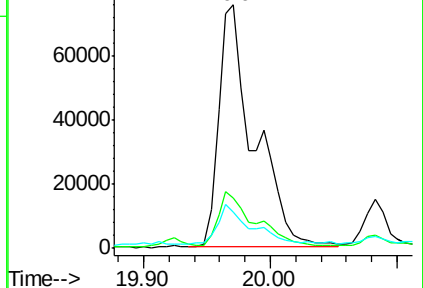
Tot Ion:252	Resp:	146016
Ion Ratio	Lower	Upper
252	100	
253	20.5	18.1 27.1
125	14.9	9.8 14.8#



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



#88

Benzo(k)fluoranthene

Concen: 21.60 ng

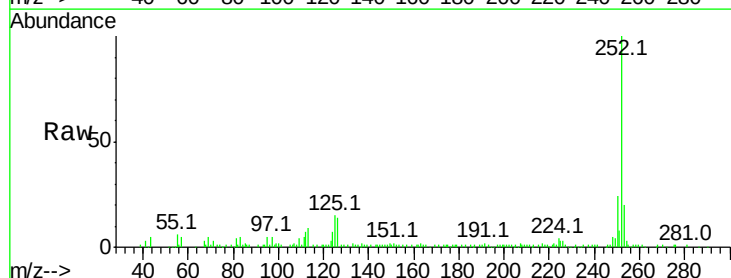
RT: 19.97 min Scan# 3066

Delta R.T. 0.03 min

Lab File: BF095155.D

Acq: 16 May 2017 12:53

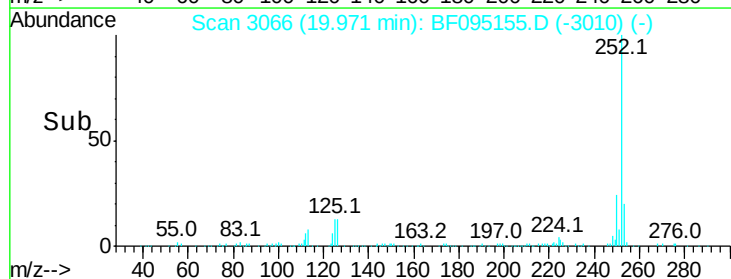
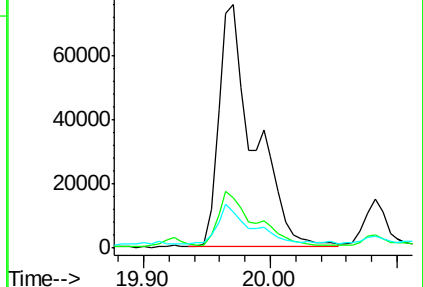
Tgt Ion:252	Resp:	146016
Ion Ratio	Lower	Upper
252	100	
253	20.5	18.4 27.6
125	14.9	13.1 19.7

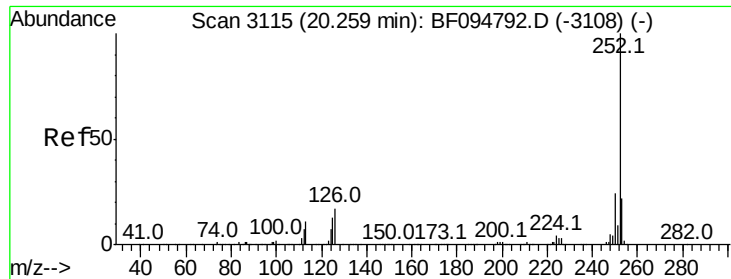


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 10.10 ng

RT: 20.32 min Scan# 3125

Delta R.T. 0.06 min

Lab File: BF095155.D

Acq: 16 May 2017 12:53

Instrument :

BNA_F

ClientSampleId :

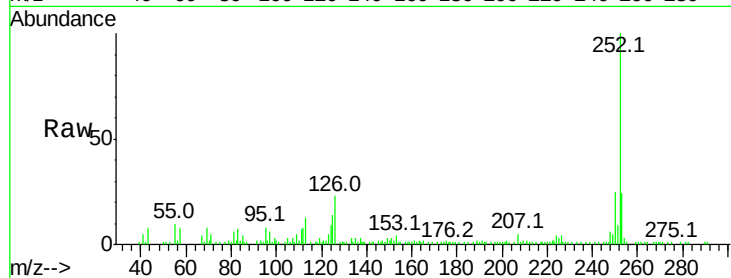
Tot Ion:252 Resp: 65273

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

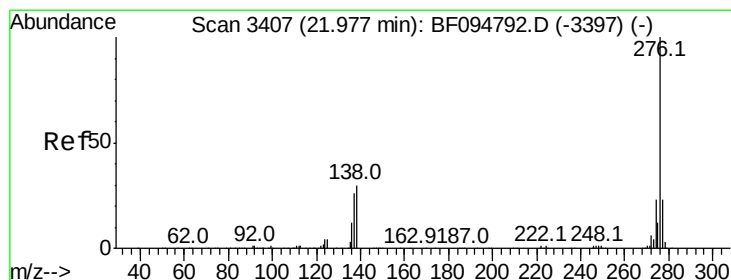
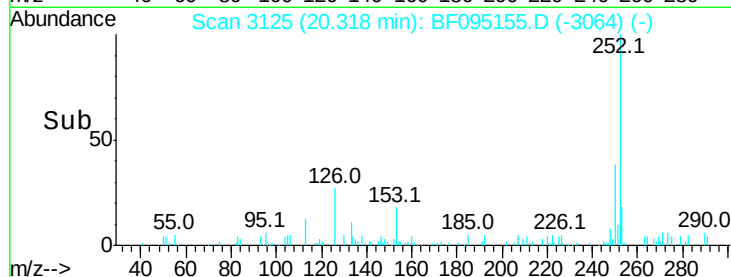
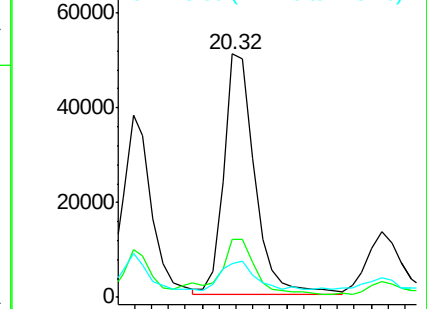
125 14.0 11.0 16.4



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: 6.39 ng

RT: 22.11 min Scan# 3429

Delta R.T. 0.13 min

Lab File: BF095155.D

Acq: 16 May 2017 12:53

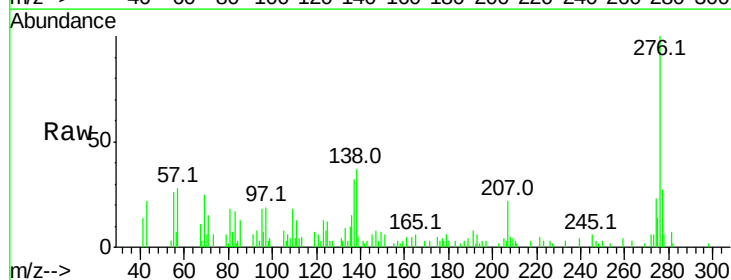
Tgt Ion:276 Resp: 33492

Ion Ratio Lower Upper

276 100

277 26.6 18.6 28.0

138 37.0 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

