

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
 Data File : BF095204.D
 Acq On : 18 May 2017 1:29
 Operator : SJ/MA
 Sample : I3182-07 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 18 04:14:21 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

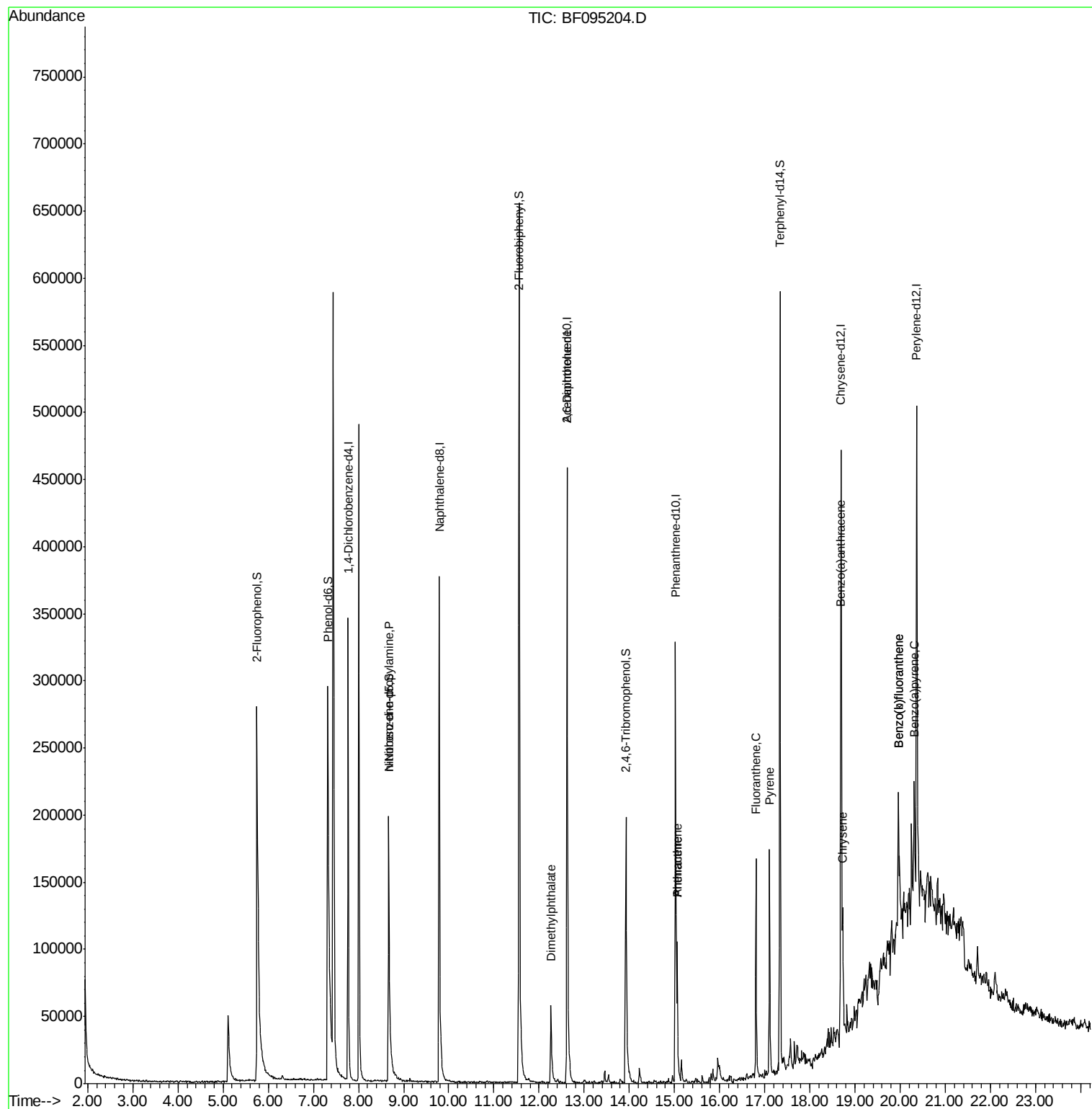
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	82296	20.00	ng	0.04
21) Naphthalene-d8	9.79	136	324535	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	156940	20.00	ng	0.04
63) Phenanthrene-d10	15.02	188	208998	20.00	ng	0.04
75) Chrysene-d12	18.69	240	192262	20.00	ng	0.04
86) Perylene-d12	20.37	264	167649	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	245615	49.76	ng	0.07
7) Phenol-d6	7.32	99	319782	53.99	ng	0.04
23) Nitrobenzene-d5	8.67	82	157590	30.62	ng	0.04
41) 2,4,6-Tribromophenol	13.92	330	50146	39.02	ng	0.04
44) 2-Fluorobiphenyl	11.56	172	388366	35.62	ng	0.03
78) Terphenyl-d14	17.34	244	235545	26.98	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.67	70	18434	4.60	ng	Qvalue # 75
49) Dimethylphthalate	12.26	163	62098	4.82	ng	99
50) 2,6-Dinitrotoluene	12.62	165	13495	5.13	ng	# 31
70) Phenanthrene	15.06	178	55604	4.63	ng	97
71) Anthracene	15.06	178	55604	4.53	ng	97
74) Fluoranthene	16.81	202	101706	8.26	ng	98
77) Pyrene	17.11	202	85087	5.92	ng	95
80) Benzo(a)anthracene	18.68	228	41837	3.74	ng	96
82) Chrysene	18.72	228	42374	3.92	ng	96
87) Benzo(b)fluoranthene	19.97	252	70837	6.84	ng	# 94
88) Benzo(k)fluoranthene	19.97	252	70837	7.09	ng	98
89) Benzo(a)pyrene	20.31	252	37053	3.88	ng	# 89

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

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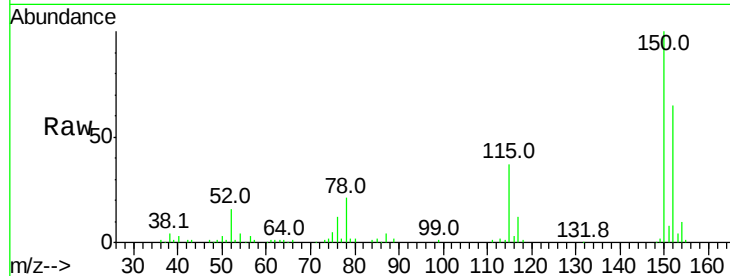


#1

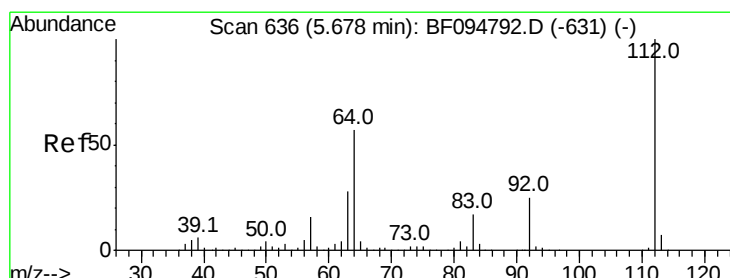
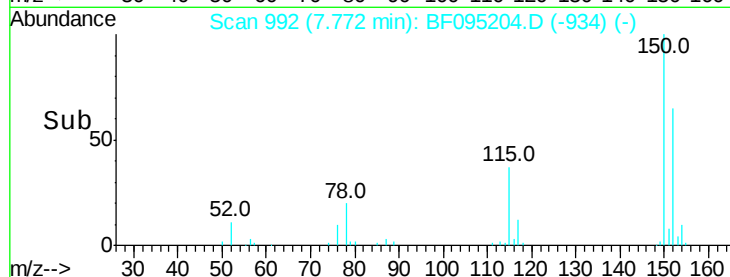
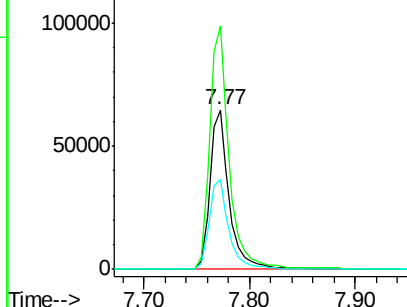
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 992
Delta R.T. 0.04 min
Lab File: BF095204.D
Acq: 18 May 2017 1:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 82296
Ion Ratio Lower Upper
152 100
150 152.8 126.2 189.2
115 56.4 52.2 78.2



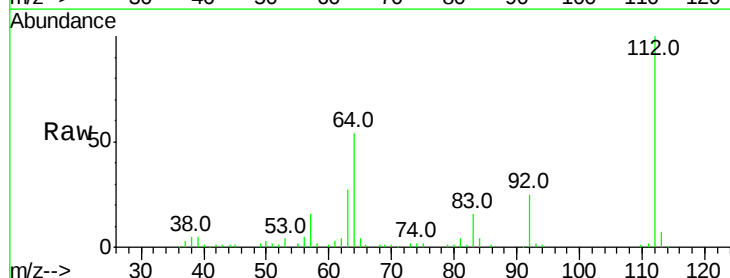
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



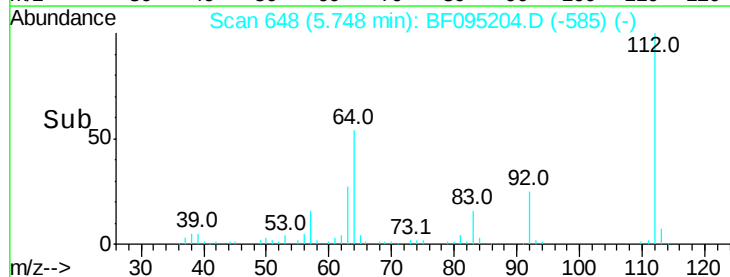
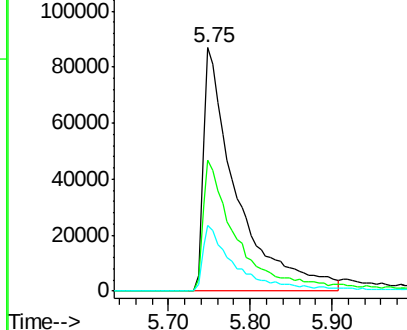
#5

2-Fluorophenol
Concen: 49.76 ng
RT: 5.75 min Scan# 648
Delta R.T. 0.07 min
Lab File: BF095204.D
Acq: 18 May 2017 1:29

Tgt Ion:112 Resp: 245615
Ion Ratio Lower Upper
112 100
64 54.0 46.0 69.0
63 27.2 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: 53.99 ng

RT: 7.32 min Scan# 915

Delta R.T. 0.04 min

Lab File: BF095204.D

Acq: 18 May 2017 1:29

Instrument :

BNA_F

ClientSampled :

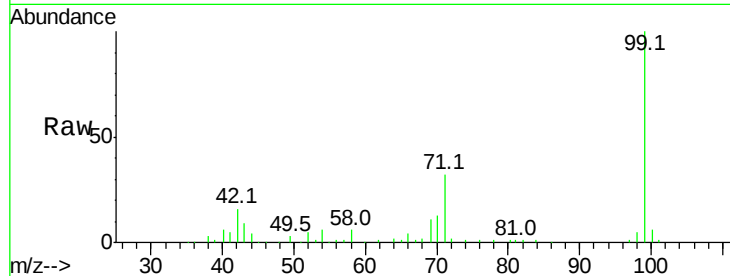
Tot Ion: 99 Resp: 319782

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

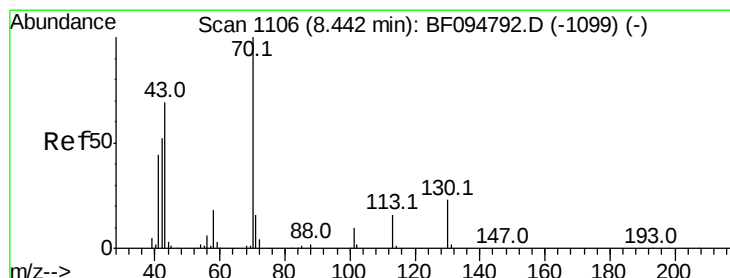
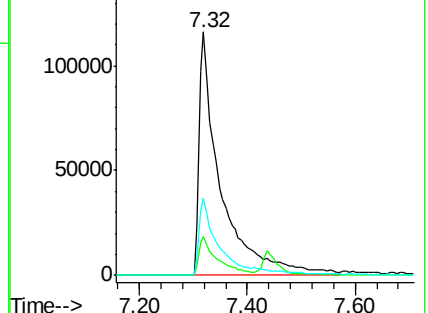
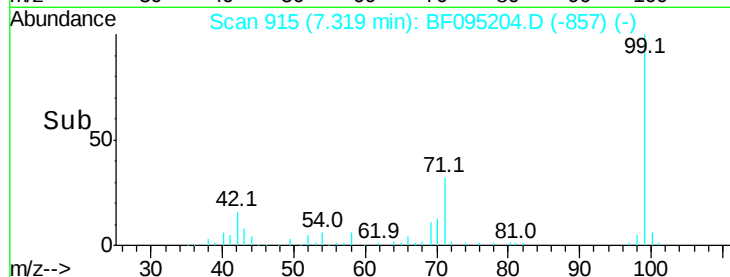
71 31.6 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 4.60 ng

RT: 8.67 min Scan# 1144

Delta R.T. 0.22 min

Lab File: BF095204.D

Acq: 18 May 2017 1:29

Tgt Ion: 70 Resp: 18434

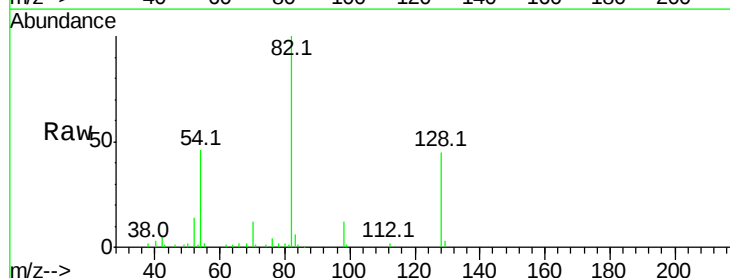
Ion Ratio Lower Upper

70 100

42 44.7 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

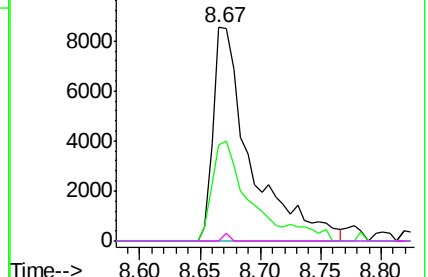
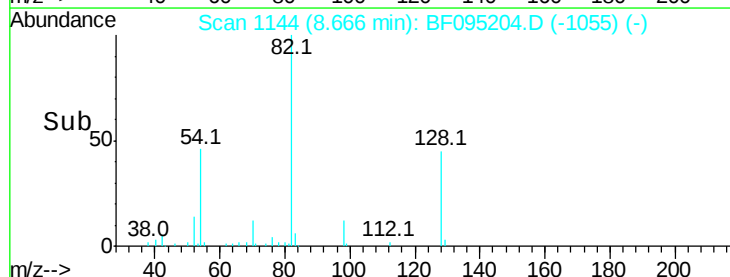


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.79 min Scan# 1335

Delta R.T. 0.04 min

Lab File: BF095204.D

Acq: 18 May 2017 1:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 324535

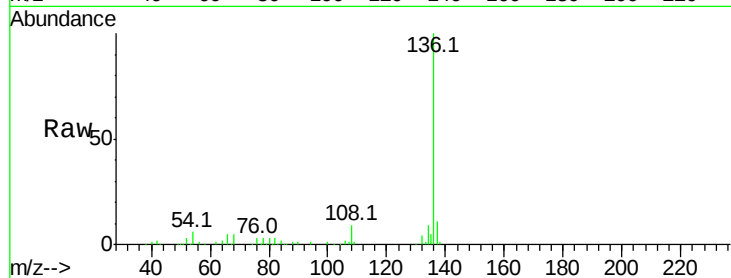
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.2 4.9 7.3

68 5.3 4.1 6.1

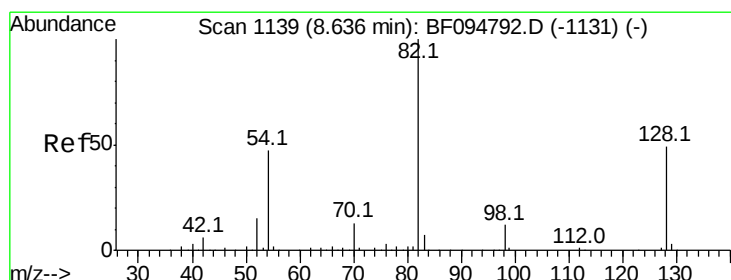
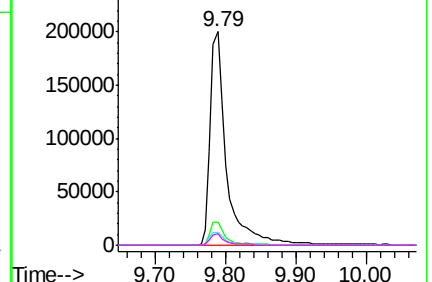
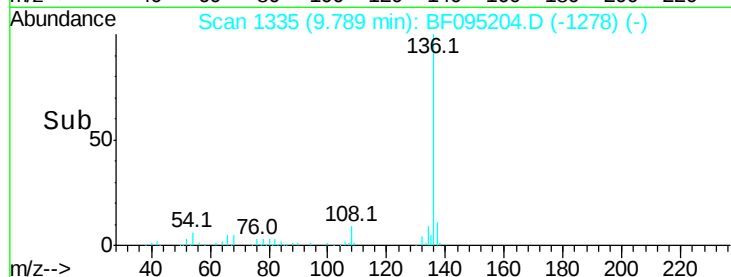


Abundance Ion 136.00 (135.70 to 136.70): E

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: 30.62 ng

RT: 8.67 min Scan# 1145

Delta R.T. 0.04 min

Lab File: BF095204.D

Acq: 18 May 2017 1:29

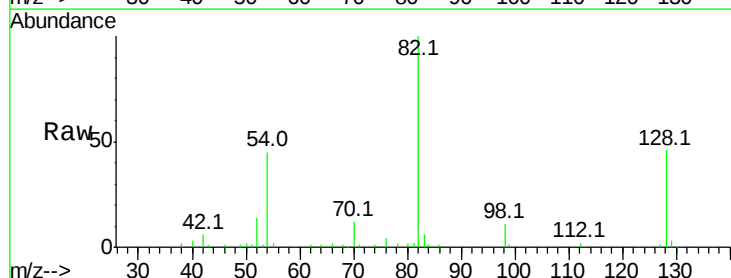
Tgt Ion: 82 Resp: 157590

Ion Ratio Lower Upper

82 100

128 46.5 34.0 51.0

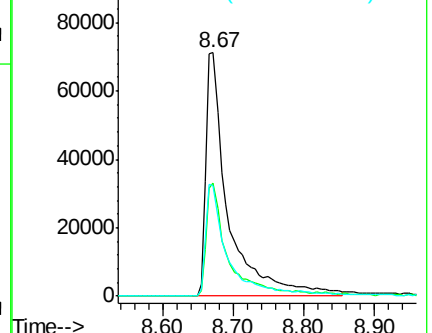
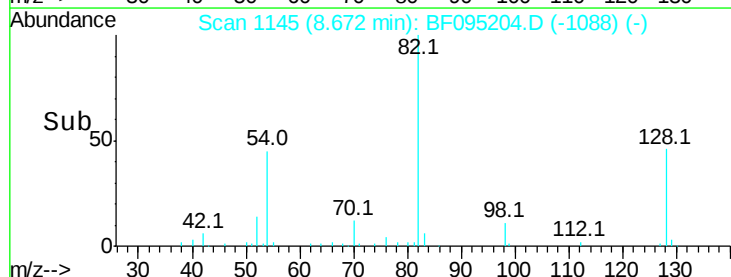
54 45.3 42.2 63.2

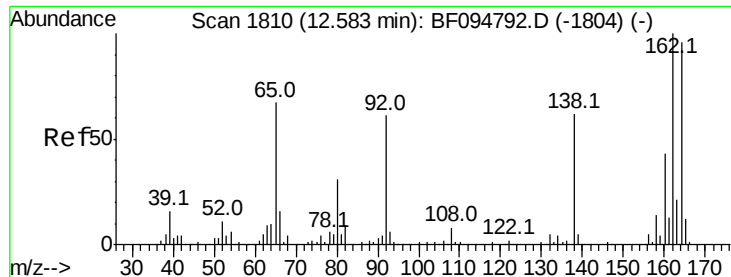


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.62 min Scan# 1816

Delta R.T. 0.04 min

Lab File: BF095204.D

Acq: 18 May 2017 1:29

Instrument :

BNA_F

ClientSampled :

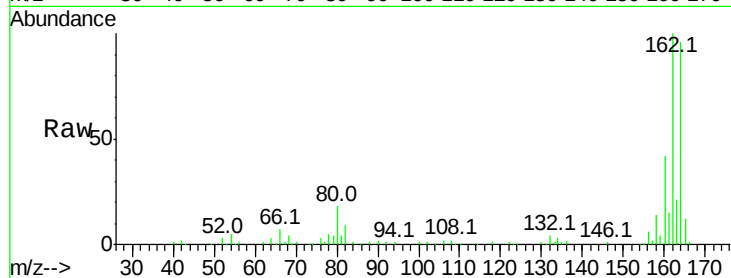
Tot Ion:164 Resp: 156940

Ion Ratio Lower Upper

164 100

162 104.5 82.6 123.8

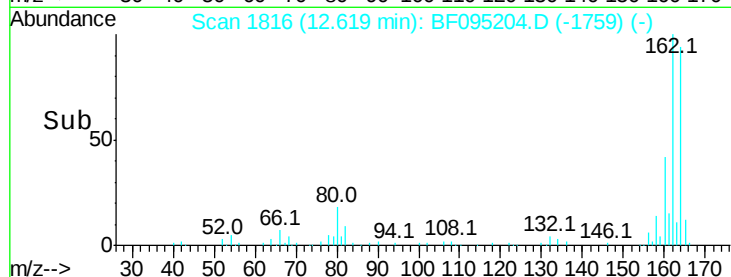
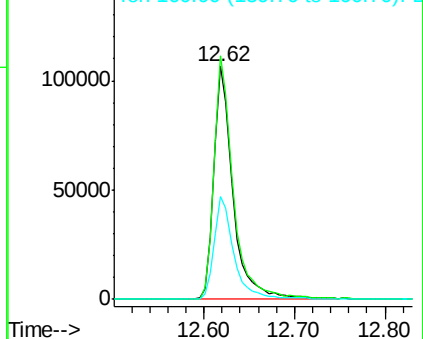
160 44.3 36.2 54.2



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: 39.02 ng

RT: 13.92 min Scan# 2038

Delta R.T. 0.04 min

Lab File: BF095204.D

Acq: 18 May 2017 1:29

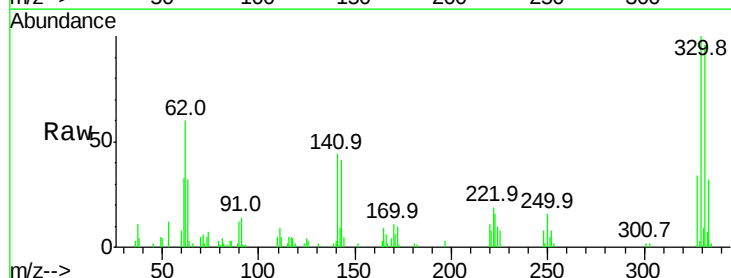
Tgt Ion:330 Resp: 50146

Ion Ratio Lower Upper

330 100

332 87.8 76.6 115.0

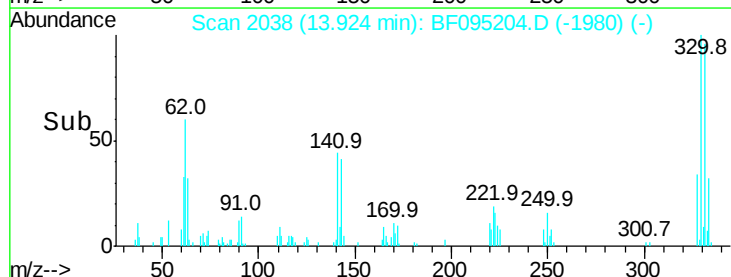
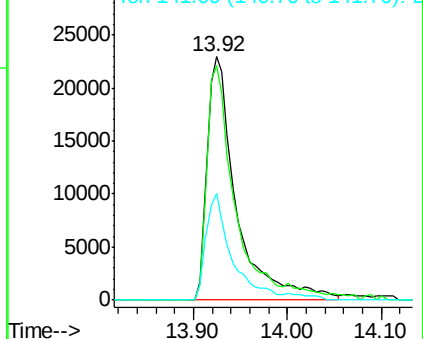
141 38.4 31.4 47.2

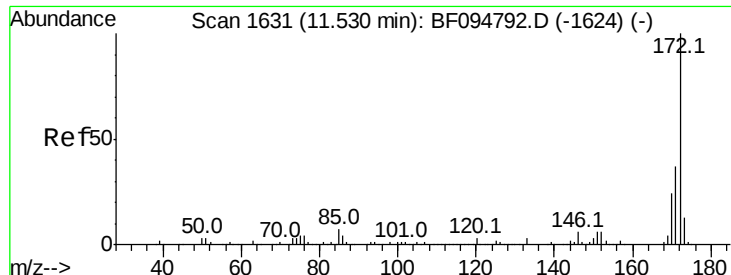


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

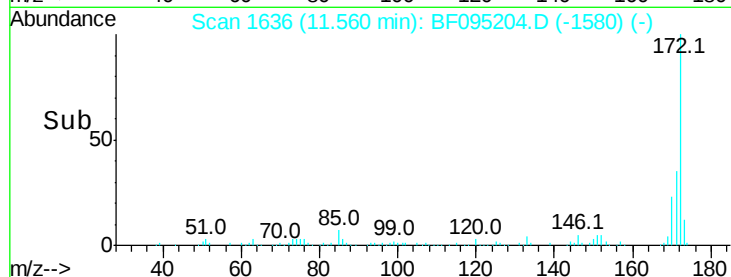
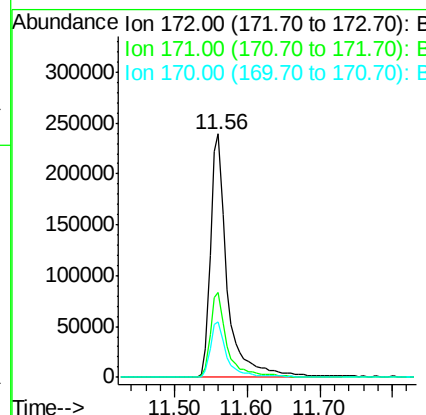
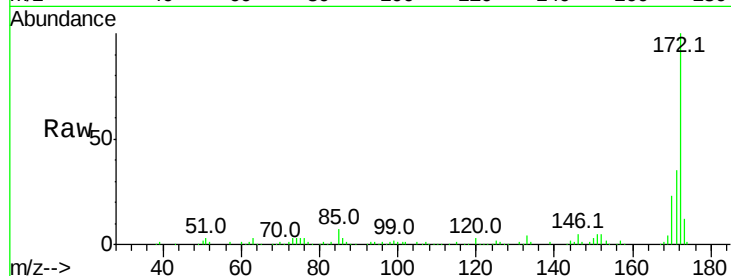




#44
2-Fluorobiphenyl
Concen: 35.62 ng
RT: 11.56 min Scan# 1636
Delta R.T. 0.03 min
Lab File: BF095204.D
Acq: 18 May 2017 1:29

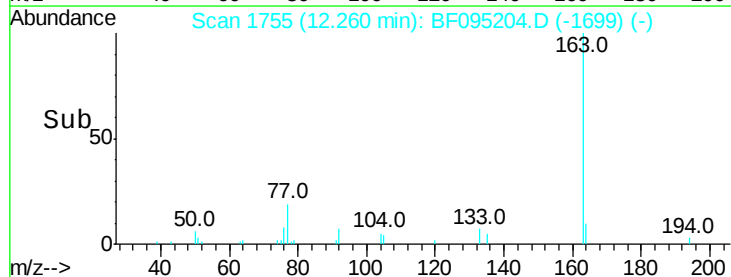
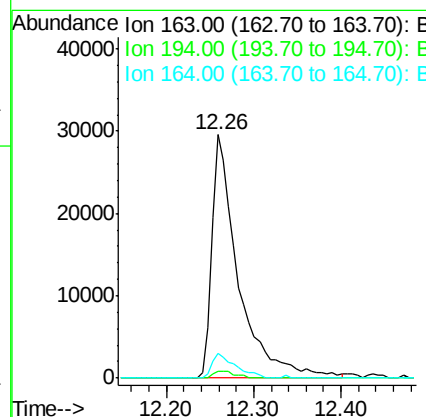
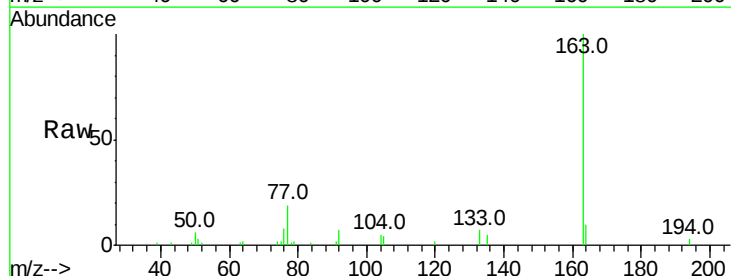
Instrument :
BNA_F
ClientSampleId :

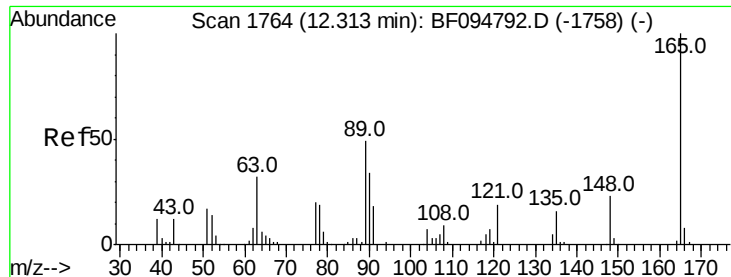
Tot Ion:172 Resp: 388366
Ion Ratio Lower Upper
172 100
171 35.1 29.6 44.4
170 22.9 19.8 29.8



#49
Dimethylphthalate
Concen: 4.82 ng
RT: 12.26 min Scan# 1755
Delta R.T. 0.03 min
Lab File: BF095204.D
Acq: 18 May 2017 1:29

Tgt Ion:163 Resp: 62098
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 10.0 8.4 12.6

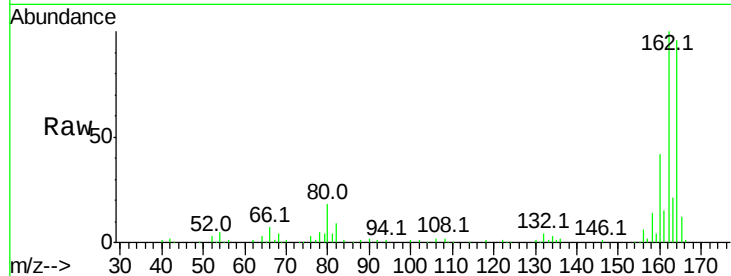




#50
 2,6-Dinitrotoluene
 Concen: 5.13 ng
 RT: 12.62 min Scan# 1816
 Delta R.T. 0.31 min
 Lab File: BF095204.D
 Acq: 18 May 2017 1:29

Instrument :
 BNA_F
 ClientSampleId :

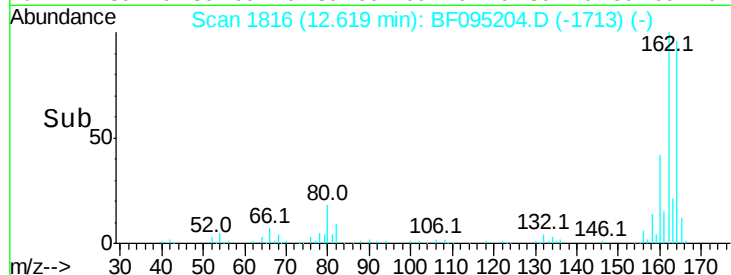
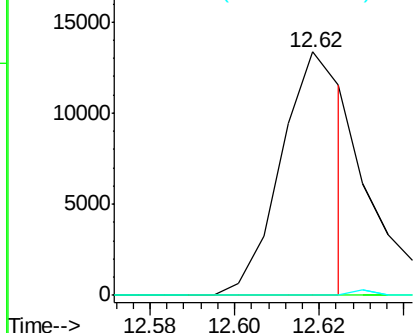
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

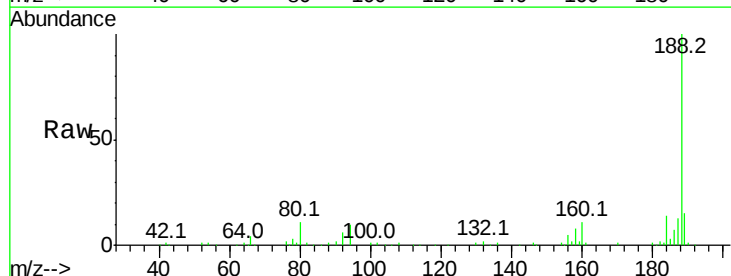
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.02 min Scan# 2225
 Delta R.T. 0.04 min
 Lab File: BF095204.D
 Acq: 18 May 2017 1:29

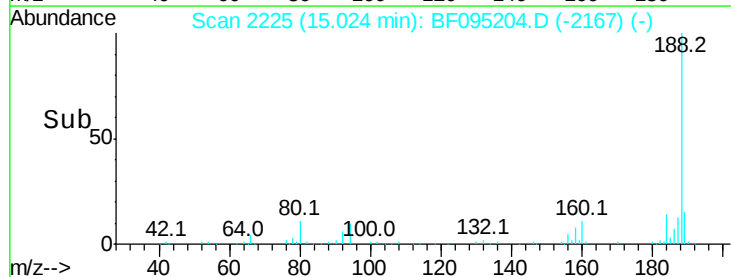
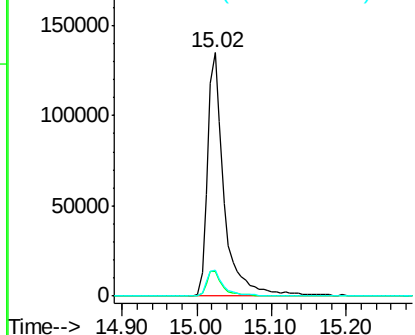
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	9.4	14.2
80	10.7	10.2	15.2

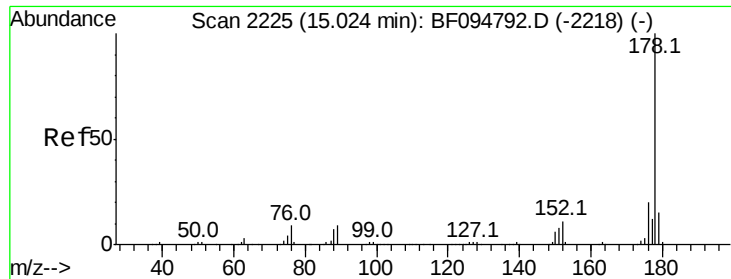


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

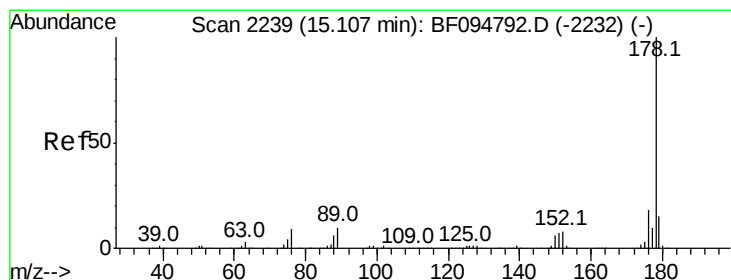
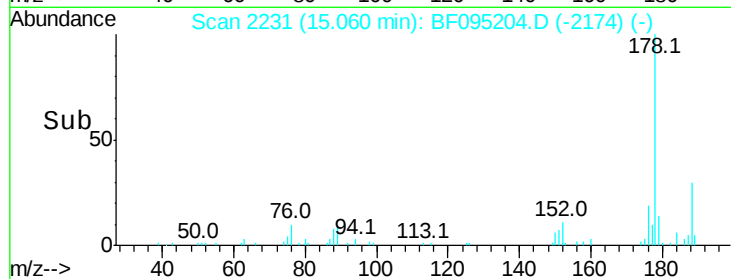
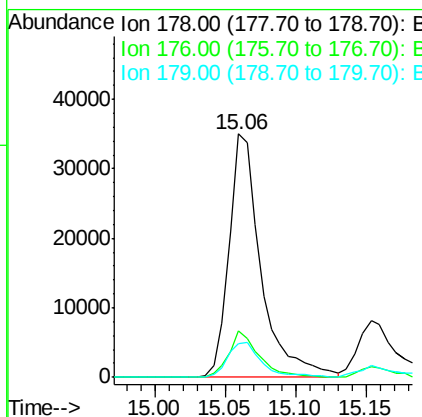
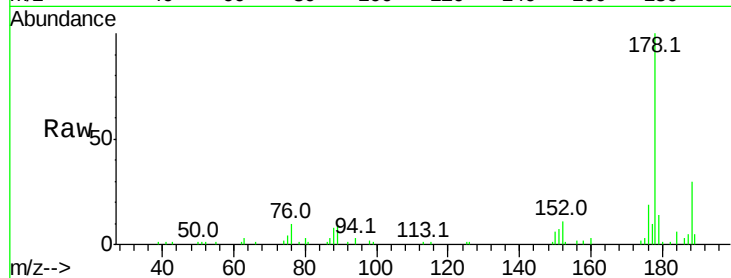




#70
Phenanthrene
Concen: 4.63 ng
RT: 15.06 min Scan# 2231
Delta R.T. 0.04 min
Lab File: BF095204.D
Acq: 18 May 2017 1:29

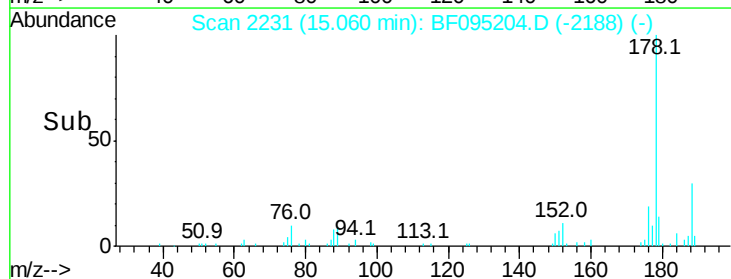
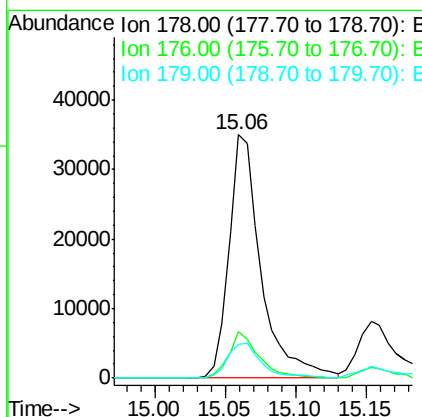
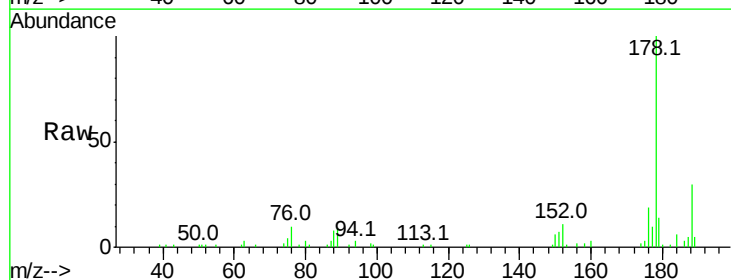
Instrument :
BNA_F
ClientSampled :

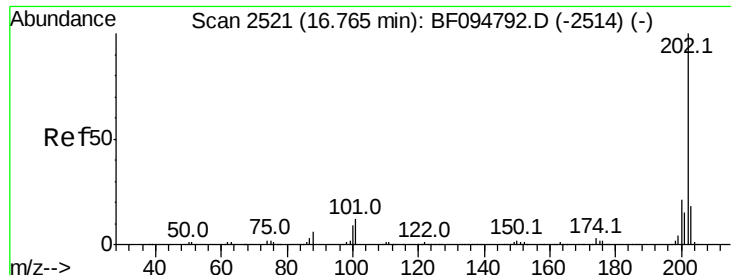
Tot Ion:178 Resp: 55604
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.4
179 13.8 12.6 19.0



#71
Anthracene
Concen: 4.53 ng
RT: 15.06 min Scan# 2231
Delta R.T. -0.05 min
Lab File: BF095204.D
Acq: 18 May 2017 1:29

Tgt Ion:178 Resp: 55604
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 13.8 12.7 19.1

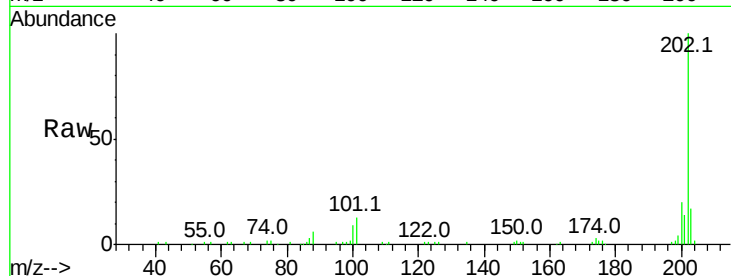




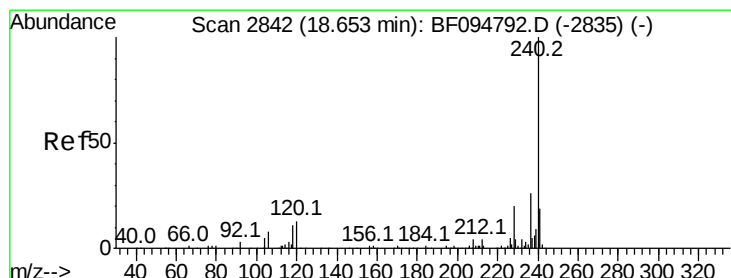
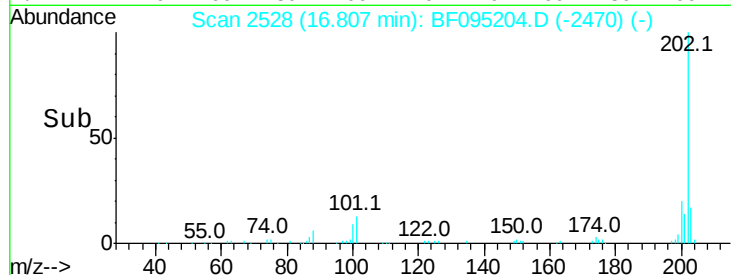
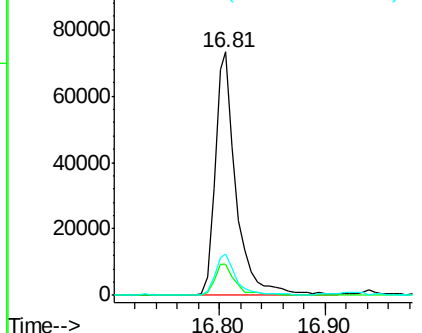
#74
 Fluoranthene
 Concen: 8.26 ng
 RT: 16.81 min Scan# 2528
 Delta R.T. 0.04 min
 Lab File: BF095204.D
 Acq: 18 May 2017 1:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.2
203	17.1	0.0	38.1

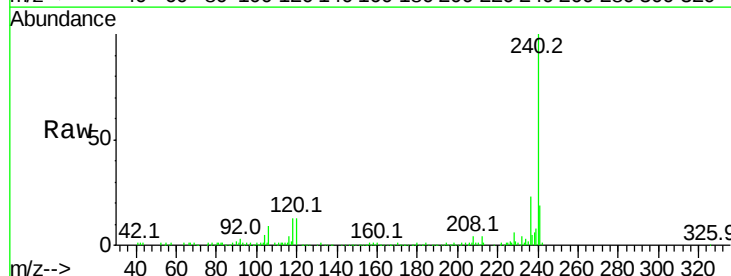


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

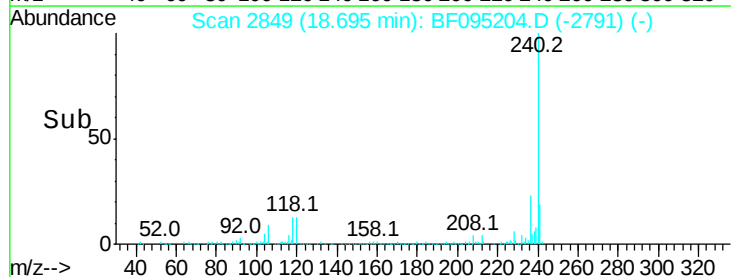
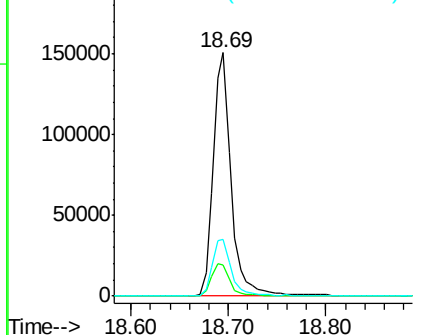


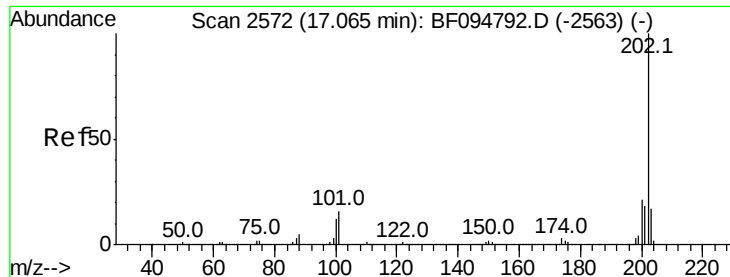
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.69 min Scan# 2849
 Delta R.T. 0.04 min
 Lab File: BF095204.D
 Acq: 18 May 2017 1:29

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.7	5.8	8.8#
236	23.4	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

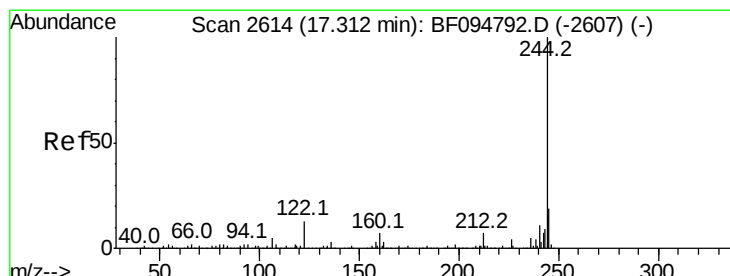
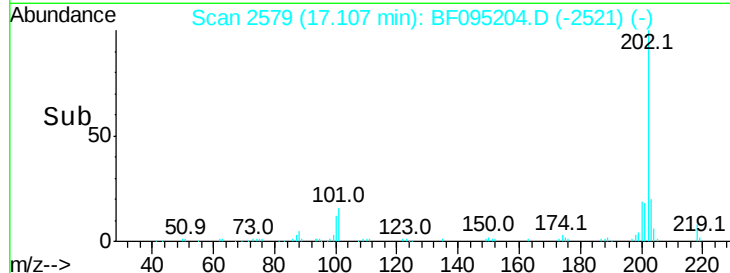
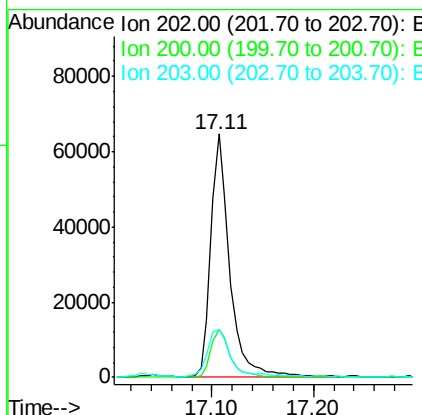
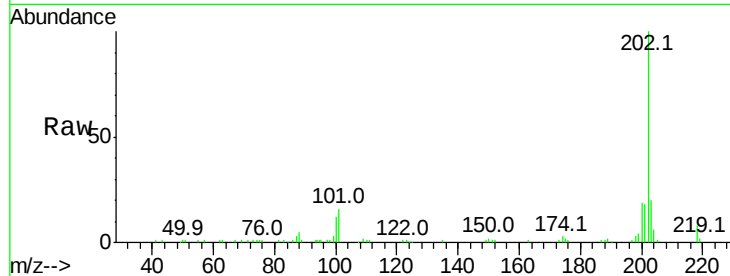




#77
Pvrene
Concen: 5.92 ng
RT: 17.11 min Scan# 2579
Delta R.T. 0.04 min
Lab File: BF095204.D
Acq: 18 May 2017 1:29

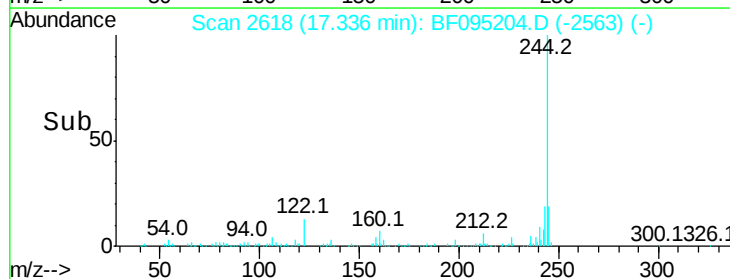
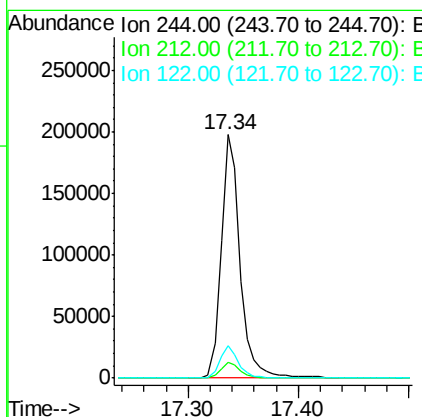
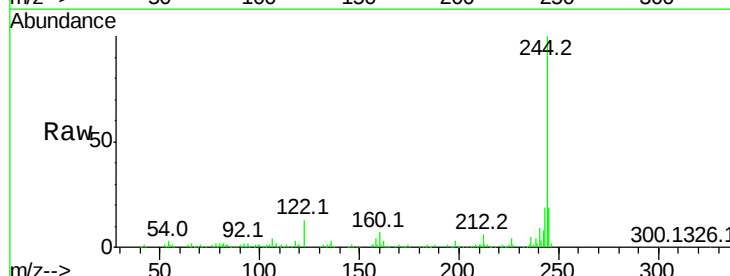
Instrument :
BNA_F
ClientSampleId :

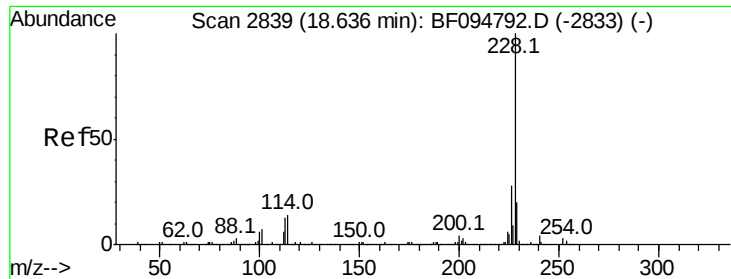
Tot Ion:202 Resp: 85087
Ion Ratio Lower Upper
202 100
200 19.5 17.6 26.4
203 19.7 14.4 21.6



#78
Terphenyl-d14
Concen: 26.98 ng
RT: 17.34 min Scan# 2618
Delta R.T. 0.02 min
Lab File: BF095204.D
Acq: 18 May 2017 1:29

Tgt Ion:244 Resp: 235545
Ion Ratio Lower Upper
244 100
212 6.4 6.0 9.0
122 13.4 10.3 15.5





#80

Benzo(a)anthracene

Concen: 3.74 ng

RT: 18.68 min Scan# 2846

Delta R.T. 0.04 min

Lab File: BF095204.D

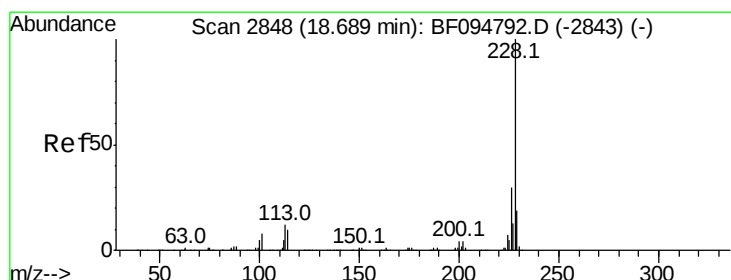
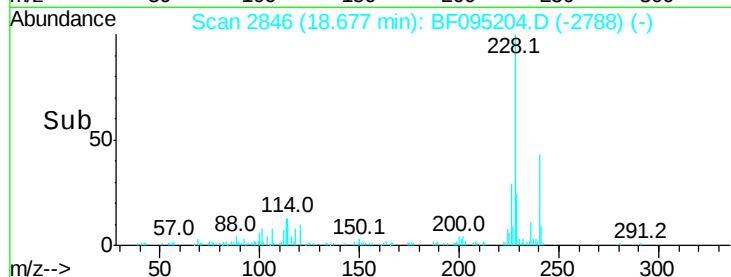
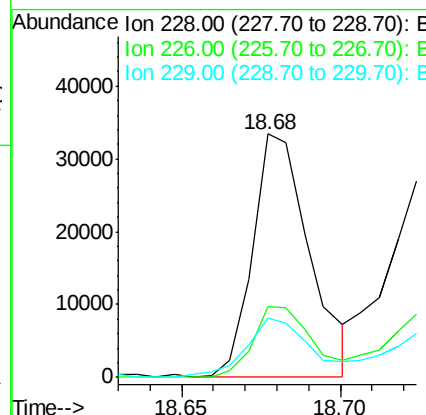
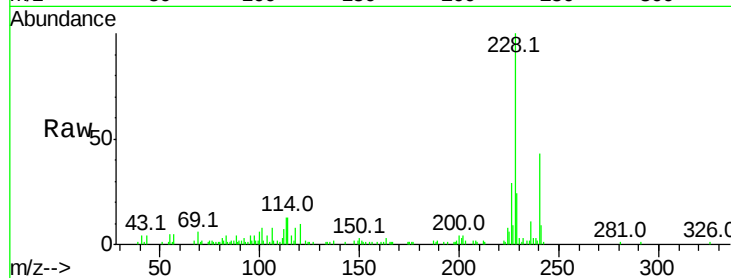
Acq: 18 May 2017 1:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:228	Resp:	41837
Ion	Ratio	Lower Upper
228	100	
226	28.9	22.6 33.8
229	24.1	16.3 24.5



#82

Chrysene

Concen: 3.92 ng

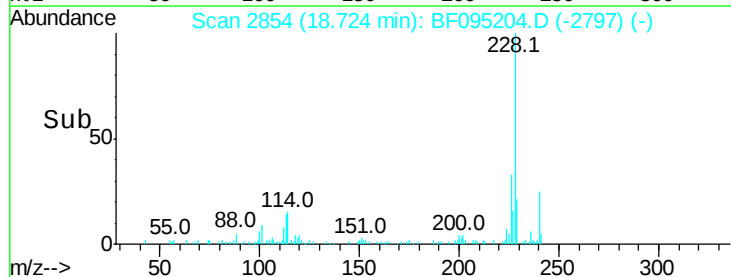
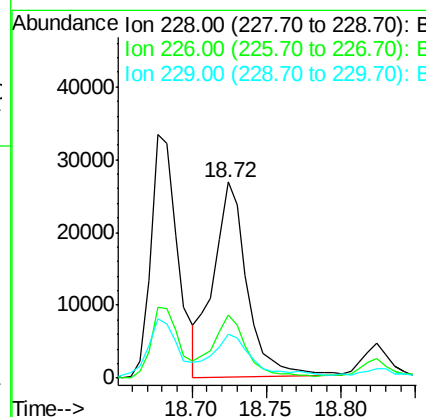
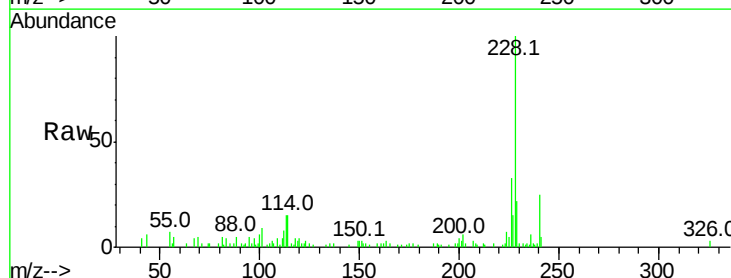
RT: 18.72 min Scan# 2854

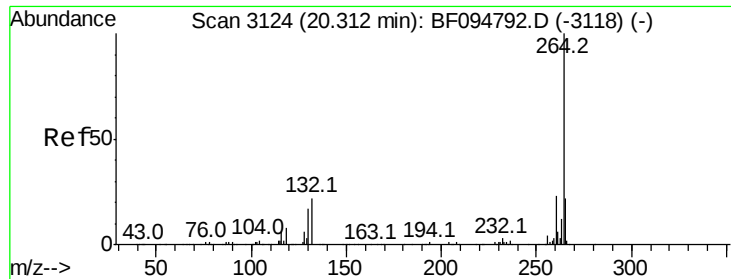
Delta R.T. 0.04 min

Lab File: BF095204.D

Acq: 18 May 2017 1:29

Tgt Ion:228	Resp:	42374
Ion	Ratio	Lower Upper
228	100	
226	32.5	24.9 37.3
229	22.5	15.8 23.6



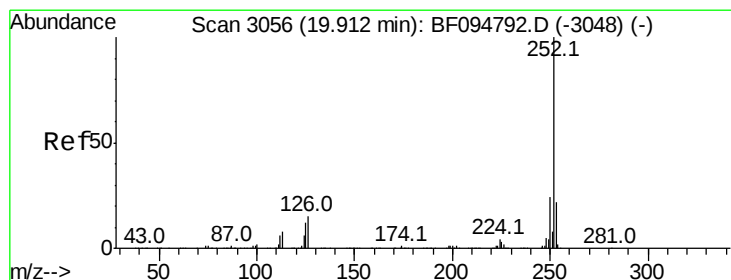
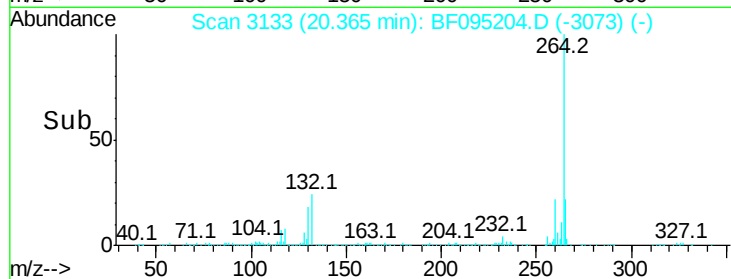
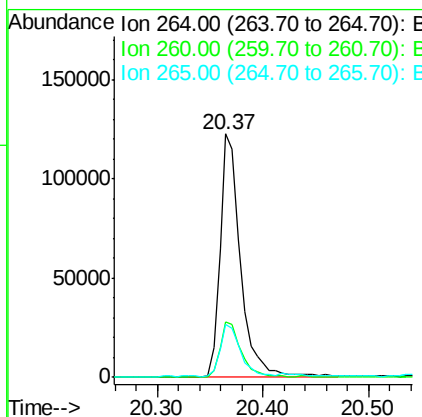
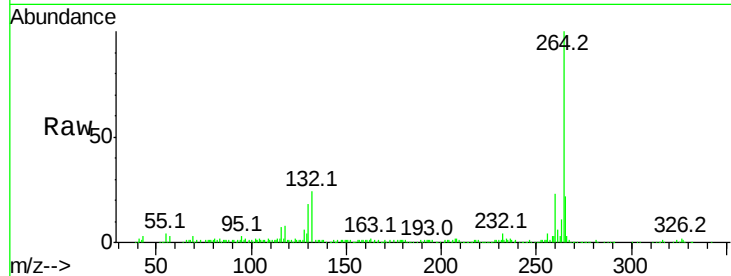


#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3133
Delta R.T. 0.05 min
Lab File: BF095204.D
Acq: 18 May 2017 1:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 167649

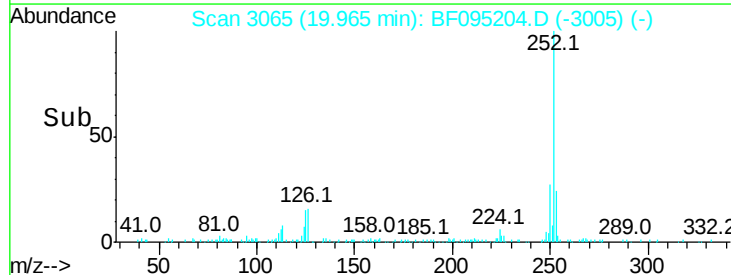
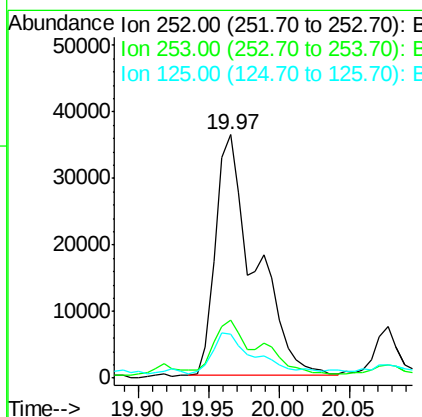
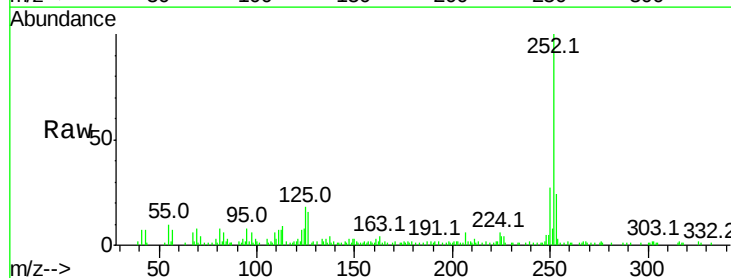
Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.5	29.3
265	21.6	17.2	25.8

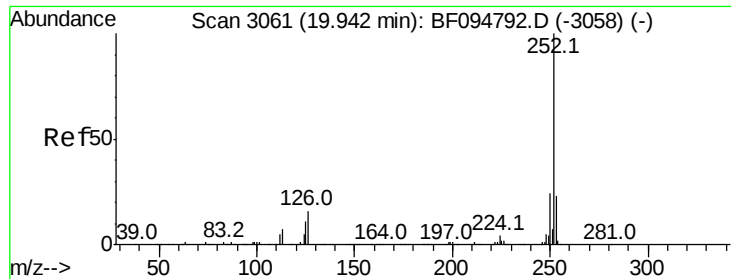


#87
Benzo(b)fluoranthene
Concen: 6.84 ng
RT: 19.97 min Scan# 3065
Delta R.T. 0.05 min
Lab File: BF095204.D
Acq: 18 May 2017 1:29

Tgt Ion:252 Resp: 70837

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	17.9	9.8	14.8#

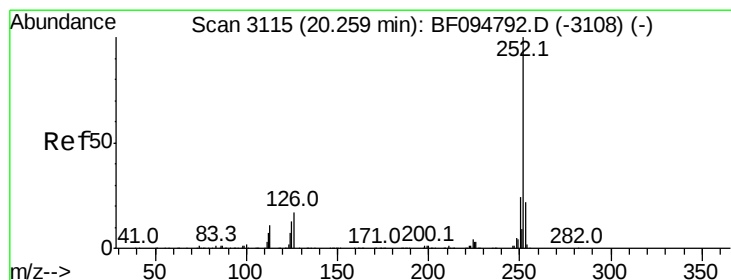
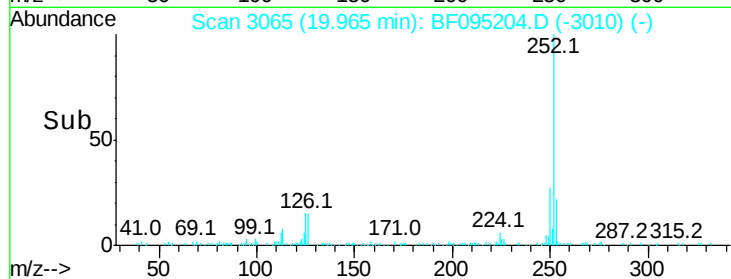
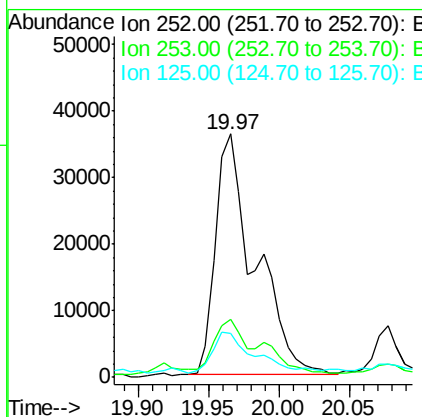
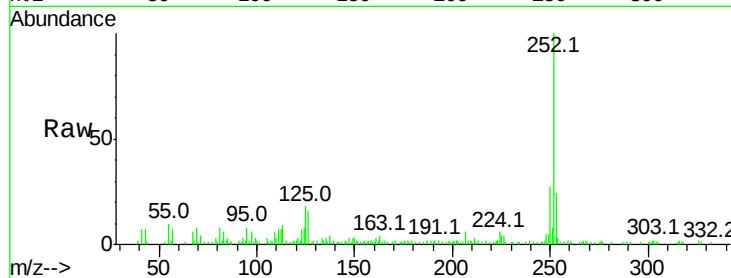




#88
Benzo(k)fluoranthene
Concen: 7.09 ng
RT: 19.97 min Scan# 3065
Delta R.T. 0.02 min
Lab File: BF095204.D
Acq: 18 May 2017 1:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	17.9	13.1	19.7



#89
Benzo(a)pyrene
Concen: 3.88 ng
RT: 20.31 min Scan# 3124
Delta R.T. 0.05 min
Lab File: BF095204.D
Acq: 18 May 2017 1:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.5	26.3
125	19.5	11.0	16.4

