

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
 Data File : BF095148.D
 Acq On : 16 May 2017 4:20
 Operator : SJ/MA
 Sample : I3140-09 20X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 16 06:03:13 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

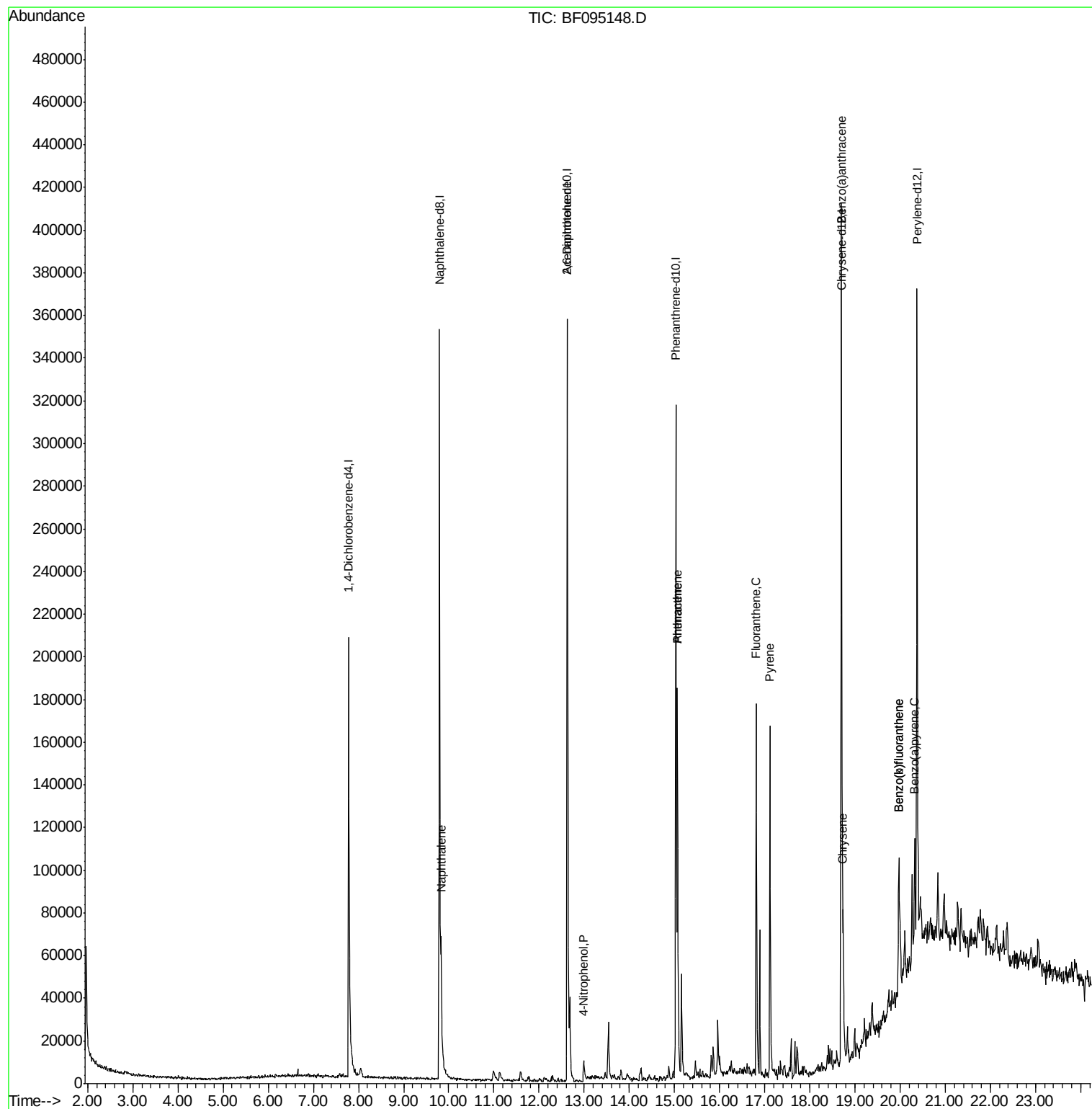
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	66415	20.00	ng	0.05
21) Naphthalene-d8	9.79	136	282115	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	125026	20.00	ng	0.04
63) Phenanthrene-d10	15.03	188	185376	20.00	ng	0.05
75) Chrysene-d12	18.70	240	177838	20.00	ng	0.05
86) Perylene-d12	20.38	264	144608	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	7.58	99	372	0.08	ng	0.30
23) Nitrobenzene-d5	8.82	82	109	0.02	ng	0.18
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	11.59	172	6341	0.73	ng	0.06
78) Terphenyl-d14	17.35	244	4593	0.57	ng	0.04
Target Compounds						
31) Naphthalene	9.83	128	40637	2.87	ng	Qvalue 97
50) 2,6-Dinitrotoluene	12.62	165	10899	5.20	ng	# 31
55) 4-Nitrophenol	12.98	139	4387	3.25	ng	# 25
70) Phenanthrene	15.07	178	107523	10.09	ng	97
71) Anthracene	15.07	178	107523	9.88	ng	97
74) Fluoranthene	16.81	202	106059	9.71	ng	99
77) Pyrene	17.12	202	88776	6.67	ng	95
80) Benzo(a)anthracene	18.69	228	36854	3.56	ng	96
82) Chrysene	18.74	228	34333	3.43	ng	98
87) Benzo(b)fluoranthene	19.97	252	47150	5.28	ng	# 92
88) Benzo(k)fluoranthene	19.97	252	47150	5.47	ng	96
89) Benzo(a)pyrene	20.32	252	22887	2.78	ng	# 92

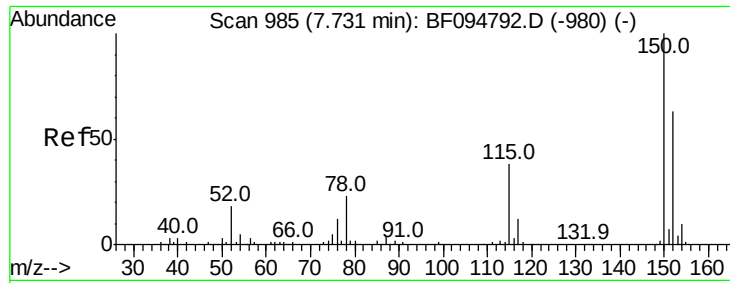
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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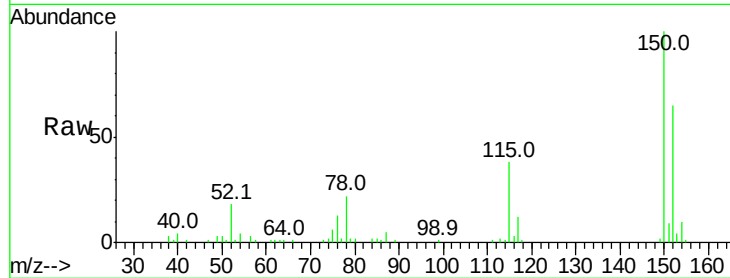


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.78 min Scan# 994
 Delta R.T. 0.05 min
 Lab File: BF095148.D
 Acq: 16 May 2017 4:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.2	189.2
115	58.5	52.2	78.2

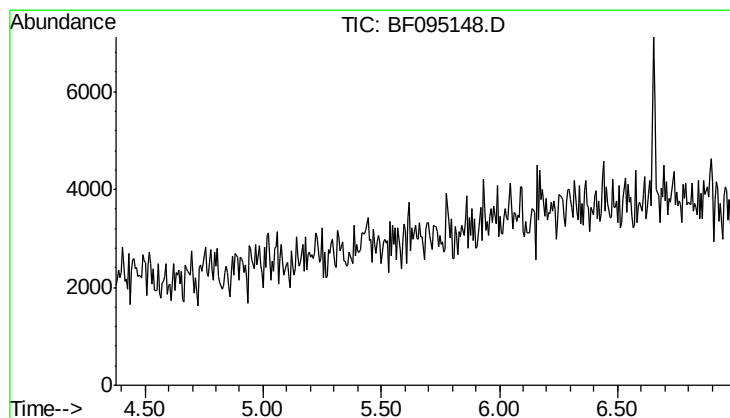
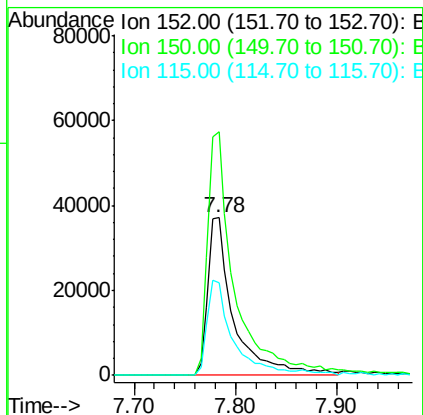
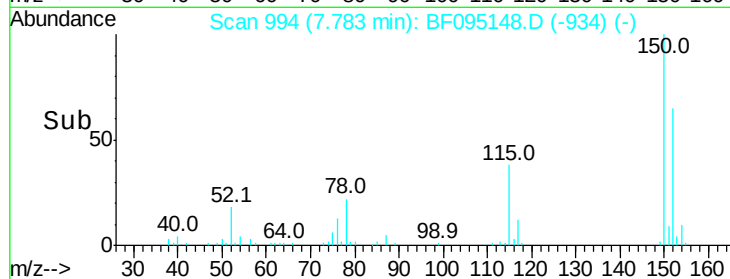


Abundance

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

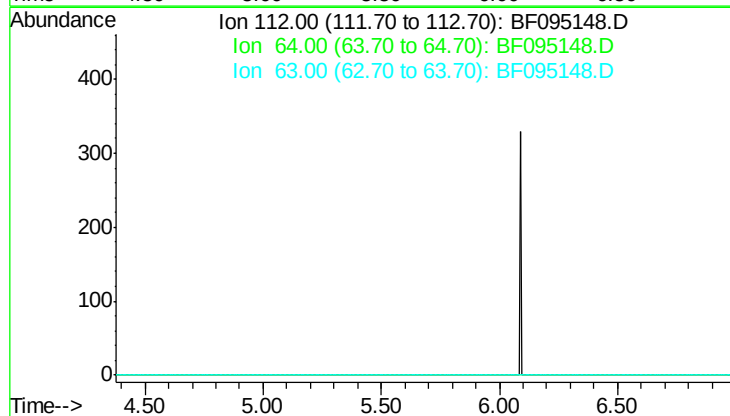


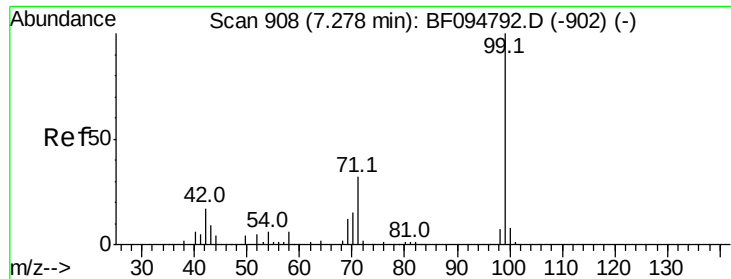
#5

2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.68 min

Lab File: BF095148.D
 Acq: 16 May 2017 4:20

Tgt Ion	Sig	Exp Ratio
112	100	
64	57.5	
63	29.2	





#7

Phenol-d6

Concen: 0.08 ng

RT: 7.58 min Scan# 959

Delta R.T. 0.30 min

Lab File: BF095148.D

Acq: 16 May 2017 4:20

Instrument :

BNA_F

ClientSampleId :

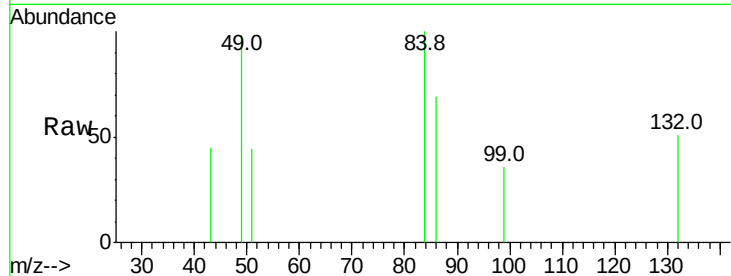
Tot Ion: 99 Resp: 372

Ion Ratio Lower Upper

99 100

42 0.0 13.5 20.3#

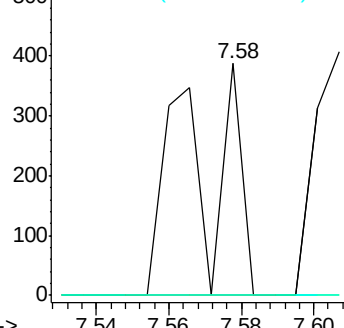
71 0.0 24.5 36.7#



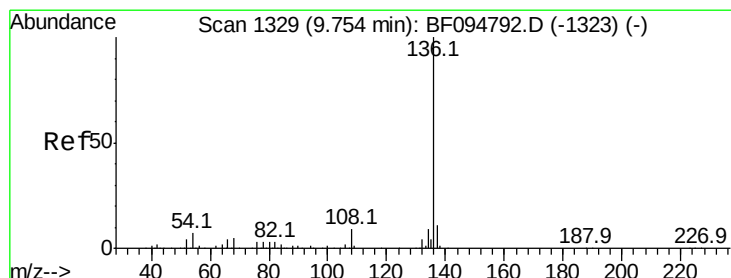
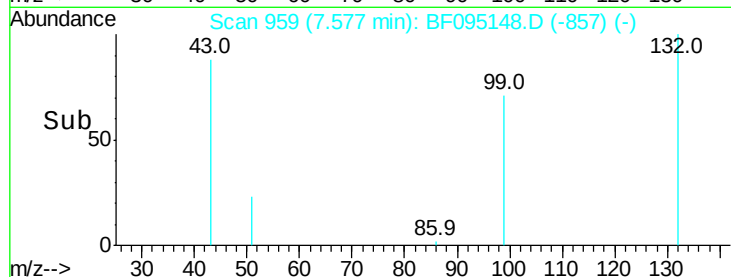
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.79 min Scan# 1336

Delta R.T. 0.04 min

Lab File: BF095148.D

Acq: 16 May 2017 4:20

Tgt Ion: 136 Resp: 282115

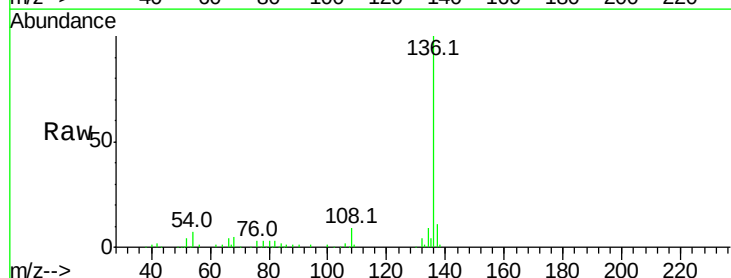
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 6.7 4.9 7.3

68 5.3 4.1 6.1

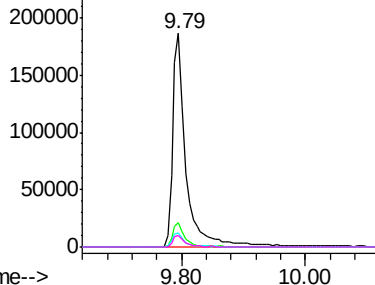


Abundance Ion 136.00 (135.70 to 136.70): E

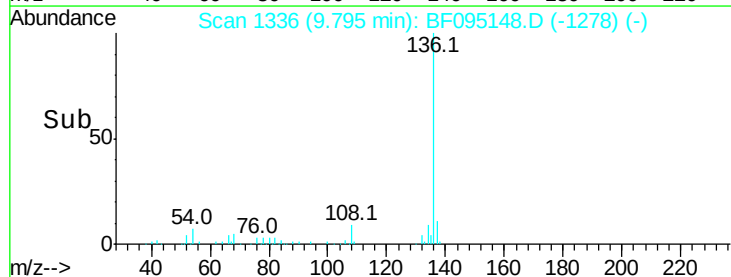
Ion 137.00 (136.70 to 137.70): E

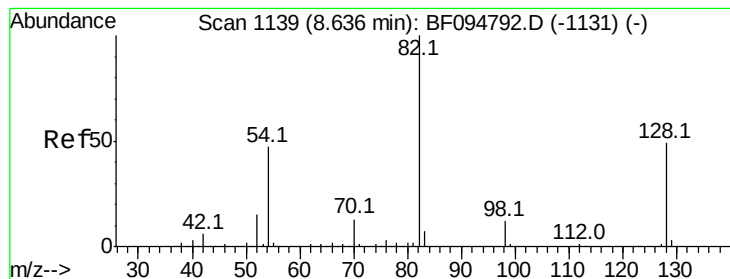
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->





#23

Nitrobenzene-d5

Concen: 0.02 ng

RT: 8.82 min Scan# 1170

Delta R.T. 0.18 min

Lab File: BF095148.D

Acq: 16 May 2017 4:20

Instrument :

BNA_F

ClientSampled :

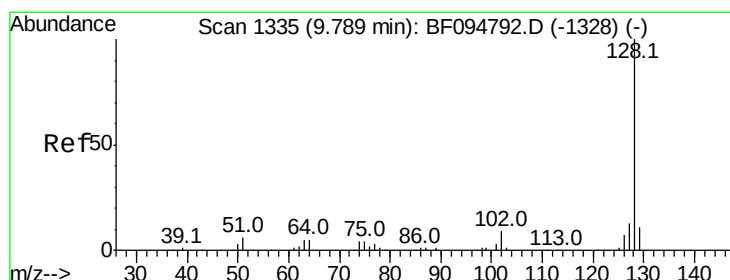
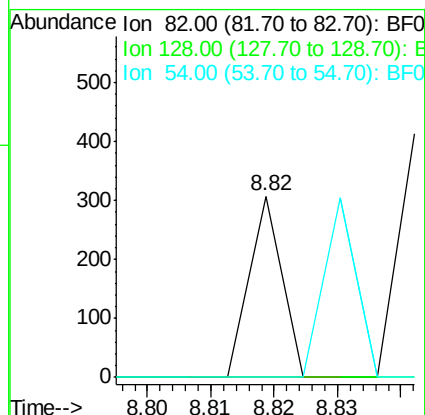
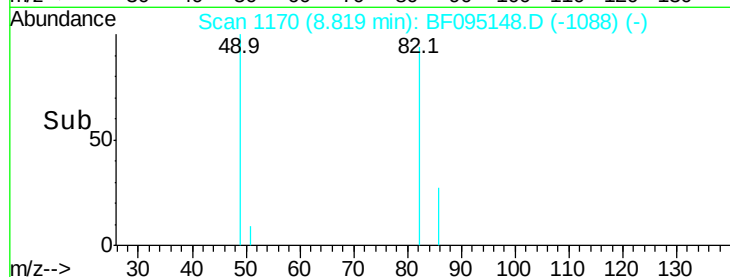
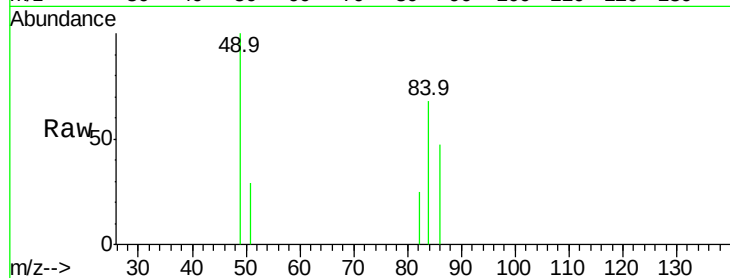
Tot Ion: 82 Resp: 109

Ion Ratio Lower Upper

82 100

128 0.0 34.0 51.0#

54 0.0 42.2 63.2#



#31

Naphthalene

Concen: 2.87 ng

RT: 9.83 min Scan# 1342

Delta R.T. 0.04 min

Lab File: BF095148.D

Acq: 16 May 2017 4:20

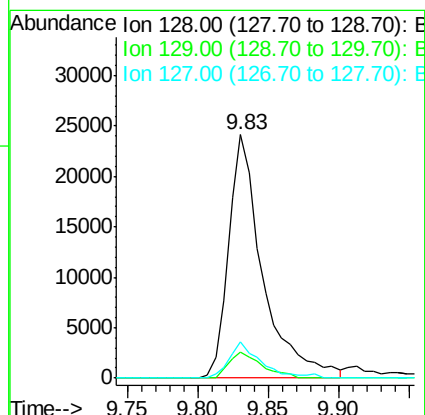
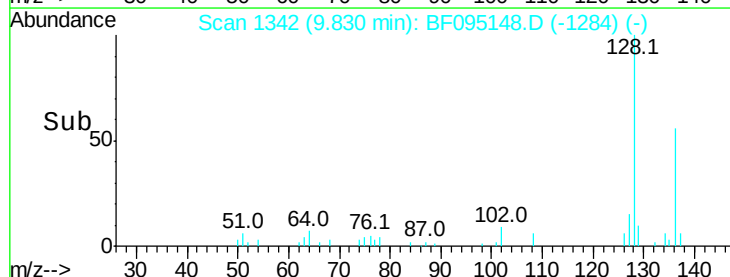
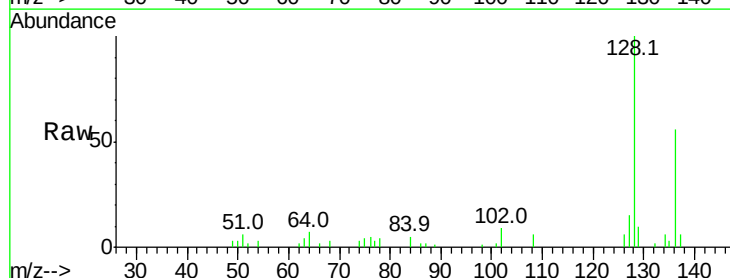
Tgt Ion: 128 Resp: 40637

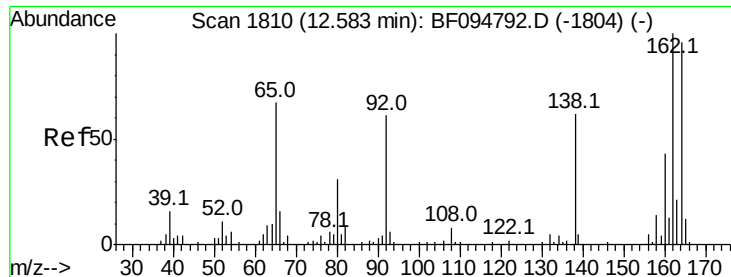
Ion Ratio Lower Upper

128 100

129 10.5 9.0 13.6

127 14.7 10.8 16.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.62 min Scan# 1817

Delta R.T. 0.04 min

Lab File: BF095148.D

Acq: 16 May 2017 4:20

Instrument :

BNA_F

ClientSampleId :

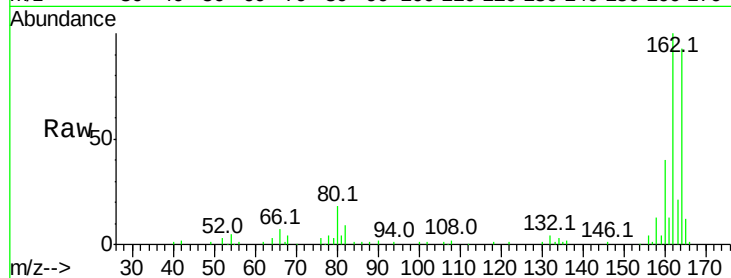
Tot Ion:164 Resp: 125026

Ion Ratio Lower Upper

164 100

162 107.5 82.6 123.8

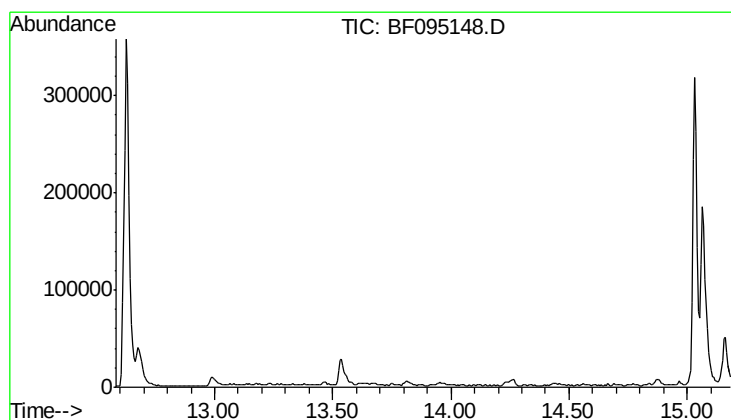
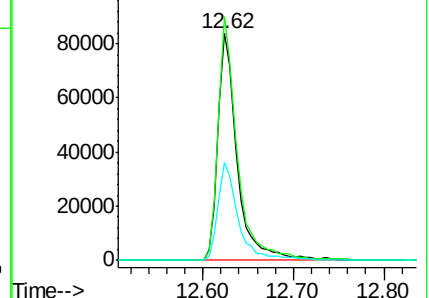
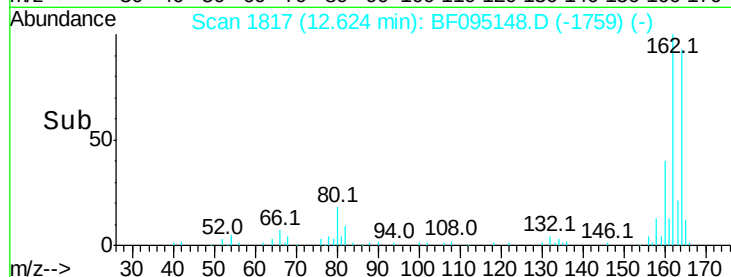
160 43.3 36.2 54.2



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: 0.00 ng

Expected RT: 13.88 min

Lab File: BF095148.D

Acq: 16 May 2017 4:20

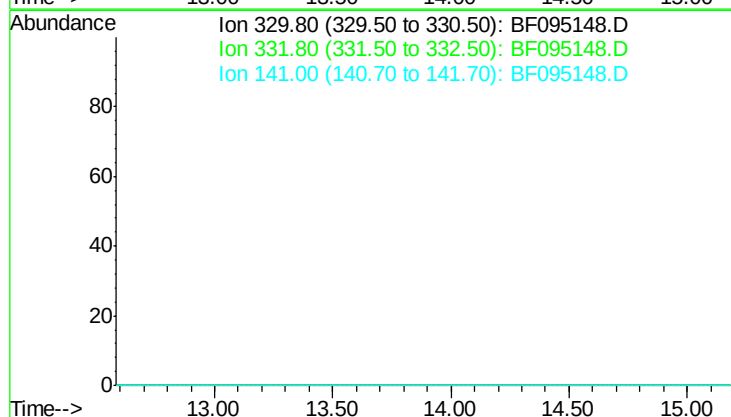
Tgt Ion: 330

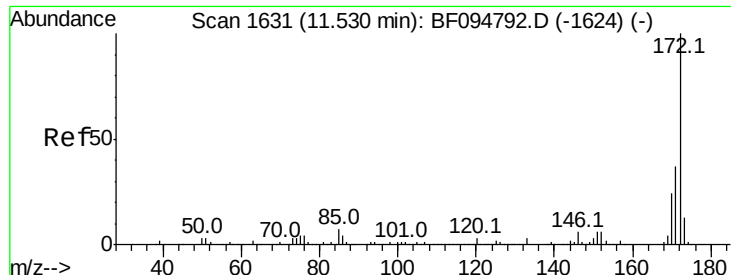
Sig Exp Ratio

330 100

332 95.8

141 39.3

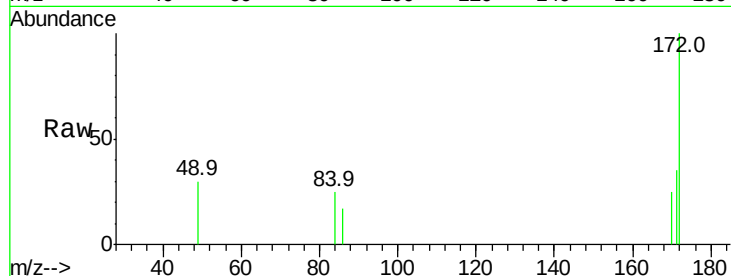




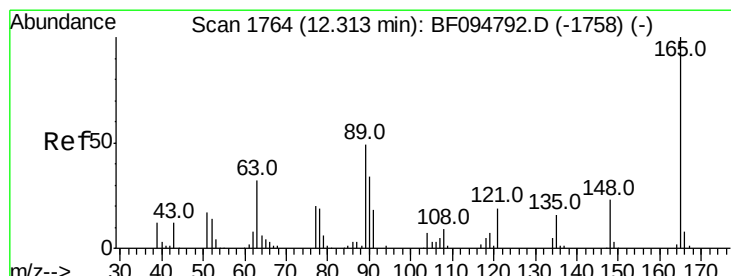
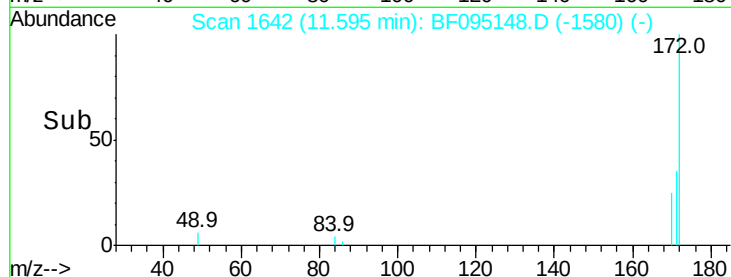
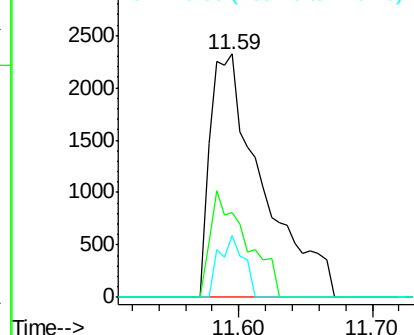
#44
2-Fluorobiphenyl
Concen: 0.73 ng
RT: 11.59 min Scan# 1642
Delta R.T. 0.06 min
Lab File: BF095148.D
Acq: 16 May 2017 4:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 6341
Ion Ratio Lower Upper
172 100
171 34.8 29.6 44.4
170 25.4 19.8 29.8

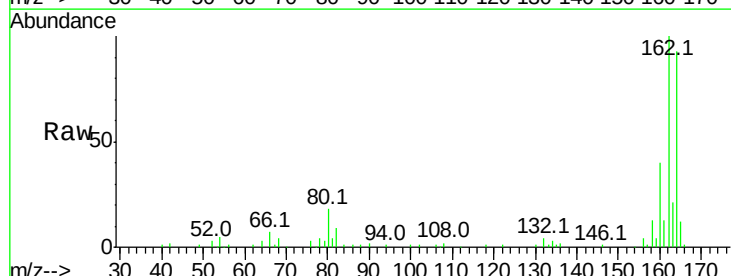


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

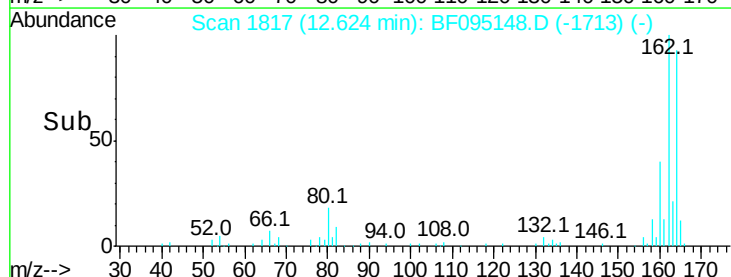
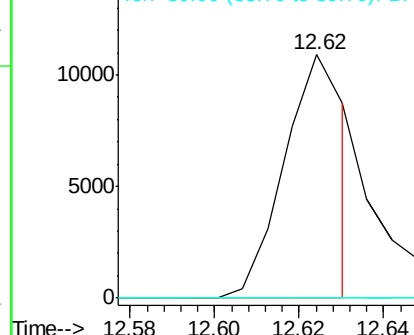


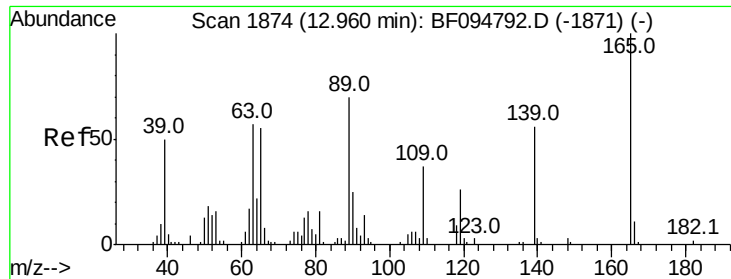
#50
2,6-Dinitrotoluene
Concen: 5.20 ng
RT: 12.62 min Scan# 1817
Delta R.T. 0.31 min
Lab File: BF095148.D
Acq: 16 May 2017 4:20

Tgt Ion:165 Resp: 10899
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

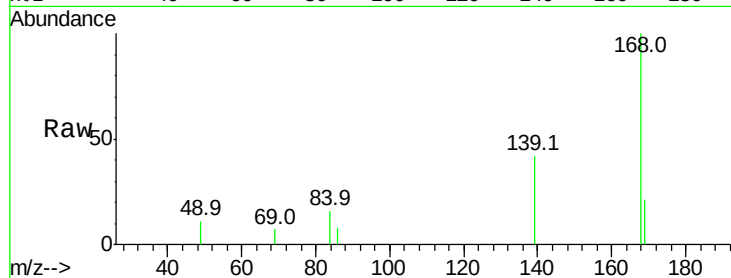




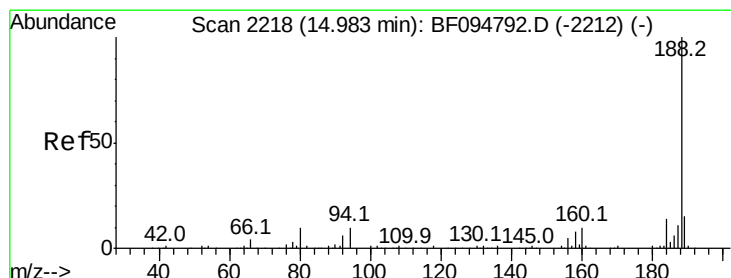
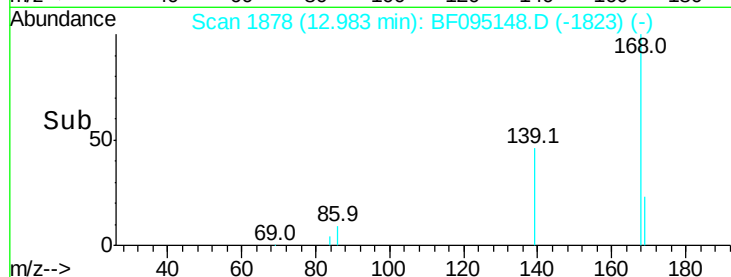
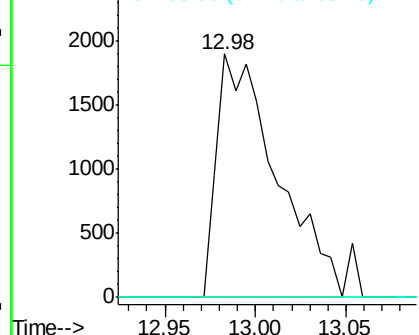
#55
4-Nitrophenol
Concen: 3.25 ng
RT: 12.98 min Scan# 1878
Delta R.T. 0.02 min
Lab File: BF095148.D
Acq: 16 May 2017 4:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 4387
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

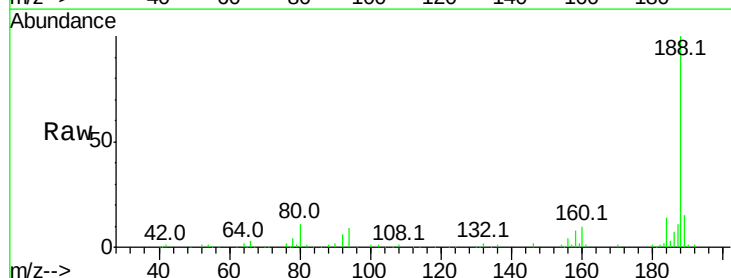


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

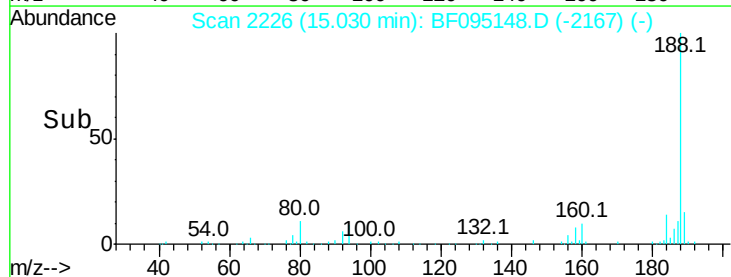
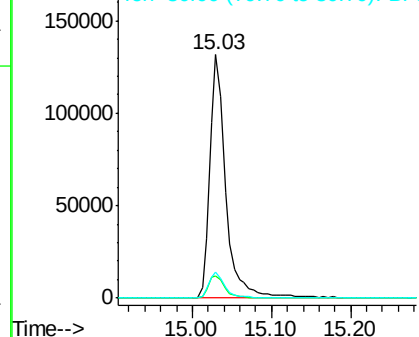


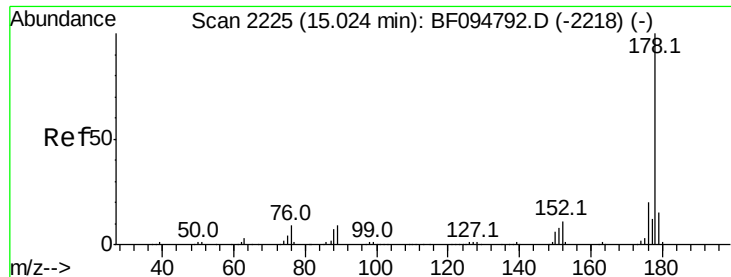
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.03 min Scan# 2226
Delta R.T. 0.05 min
Lab File: BF095148.D
Acq: 16 May 2017 4:20

Tgt Ion:188 Resp: 185376
Ion Ratio Lower Upper
188 100
94 8.9 9.4 14.2#
80 10.9 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

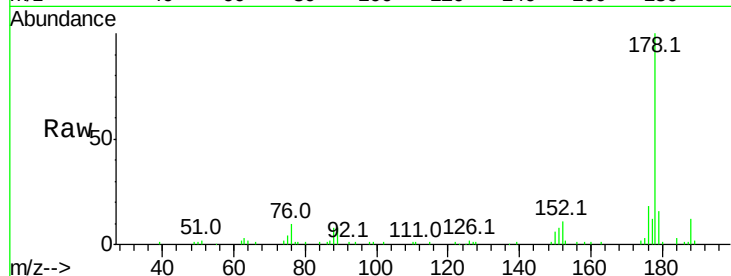




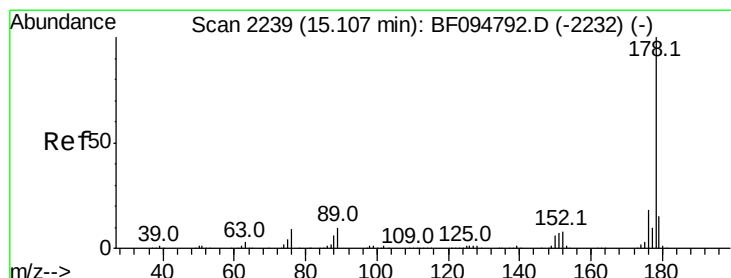
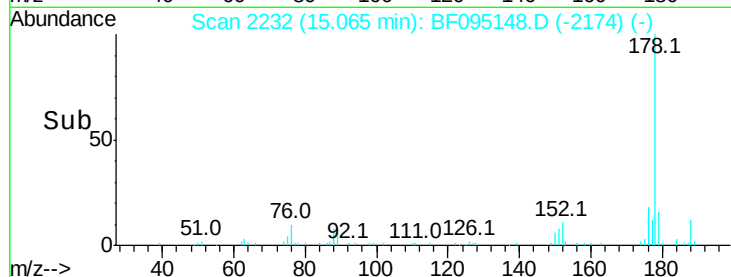
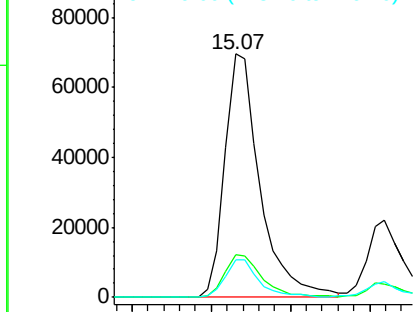
#70
Phenanthrene
Concen: 10.09 ng
RT: 15.07 min Scan# 2232
Delta R.T. 0.04 min
Lab File: BF095148.D
Acq: 16 May 2017 4:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 107523
Ion Ratio Lower Upper
178 100
176 17.6 16.2 24.4
179 15.6 12.6 19.0

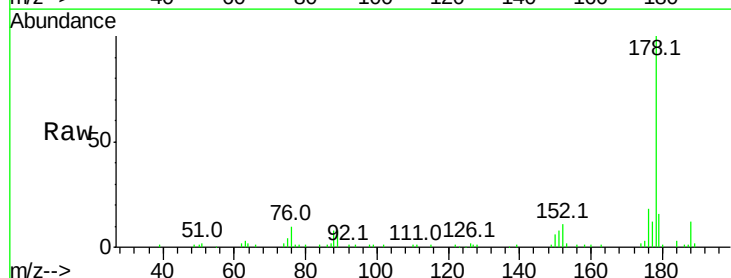


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

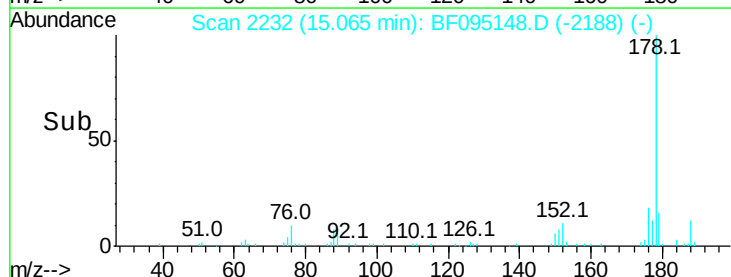
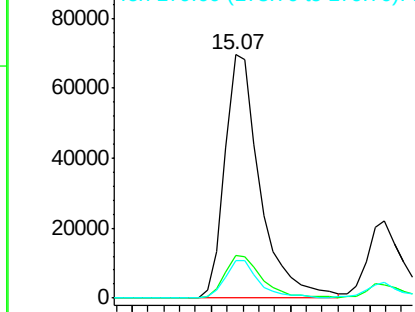


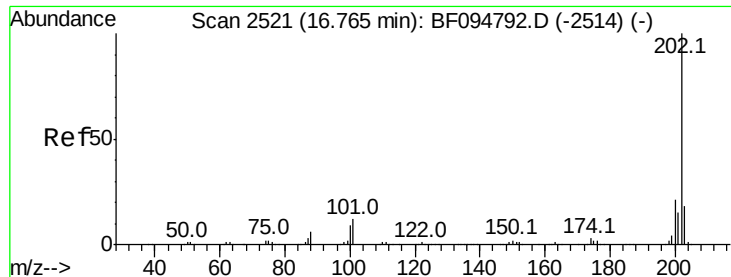
#71
Anthracene
Concen: 9.88 ng
RT: 15.07 min Scan# 2232
Delta R.T. -0.04 min
Lab File: BF095148.D
Acq: 16 May 2017 4:20

Tgt Ion:178 Resp: 107523
Ion Ratio Lower Upper
178 100
176 17.6 15.8 23.8
179 15.6 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

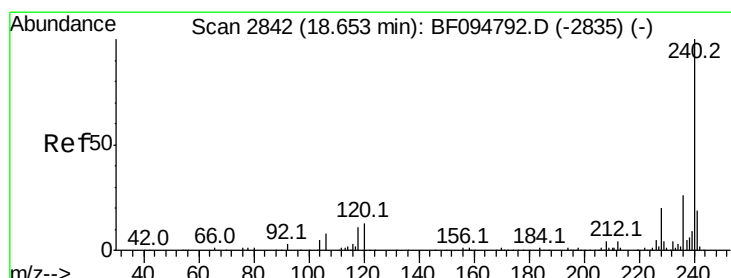
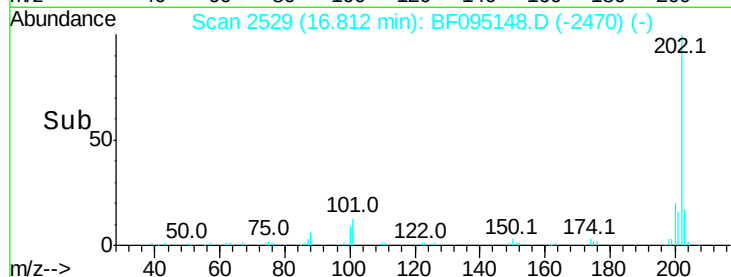
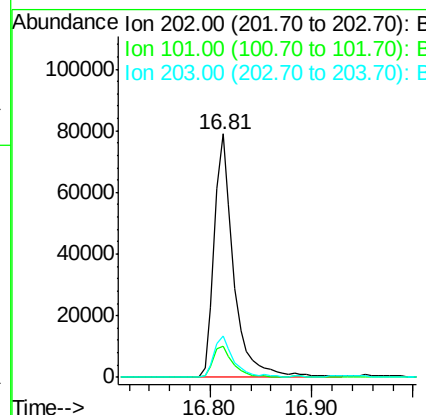
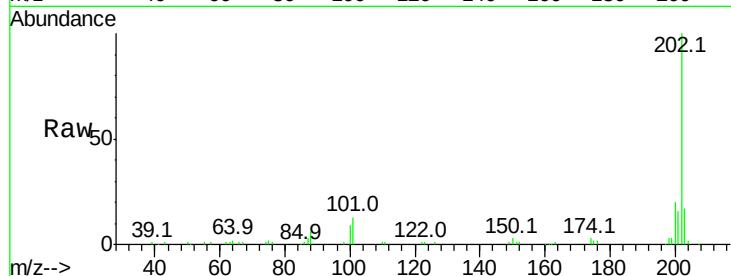




#74
 Fluoranthene
 Concen: 9.71 ng
 RT: 16.81 min Scan# 2529
 Delta R.T. 0.05 min
 Lab File: BF095148.D
 Acq: 16 May 2017 4:20

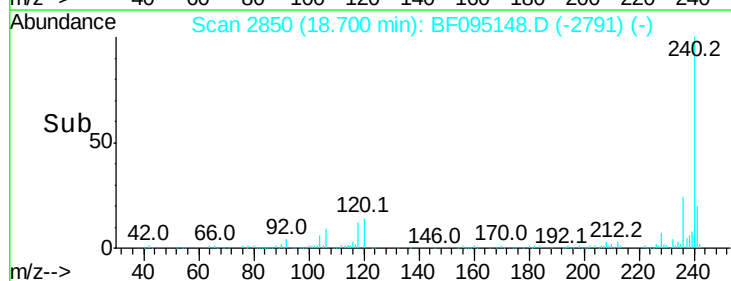
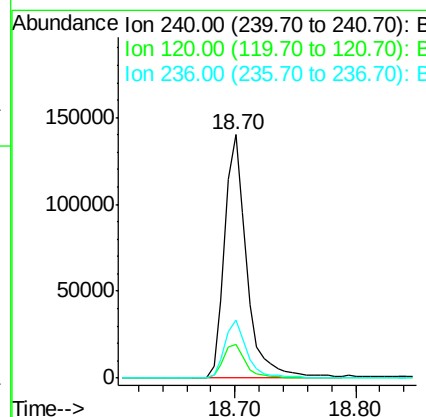
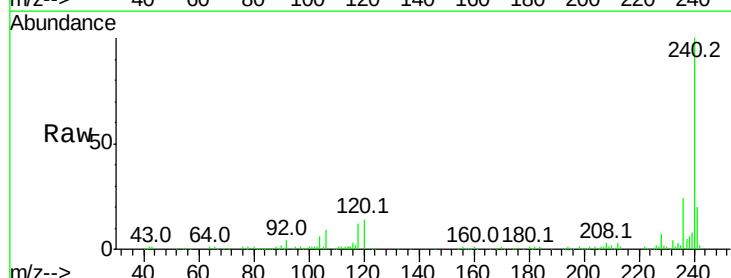
Instrument :
 BNA_F
 ClientSampled :

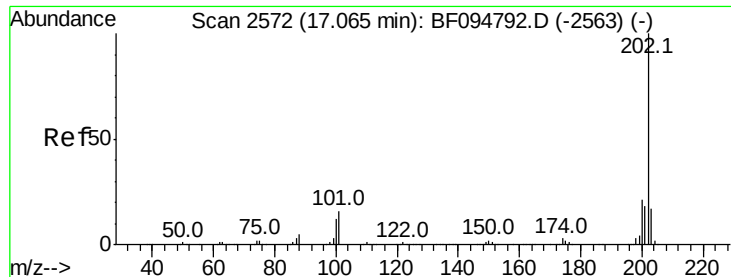
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.2
203	17.2	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.70 min Scan# 2850
 Delta R.T. 0.05 min
 Lab File: BF095148.D
 Acq: 16 May 2017 4:20

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.9	5.8	8.8#
236	24.1	20.5	30.7





#77

Pvrene

Concen: 6.67 ng

RT: 17.12 min Scan# 2581

Delta R.T. 0.05 min

Lab File: BF095148.D

Acq: 16 May 2017 4:20

Instrument :

BNA_F

ClientSampleId :

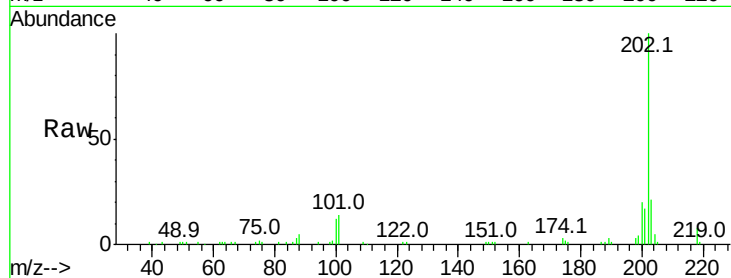
Tot Ion:202 Resp: 88776

Ion Ratio Lower Upper

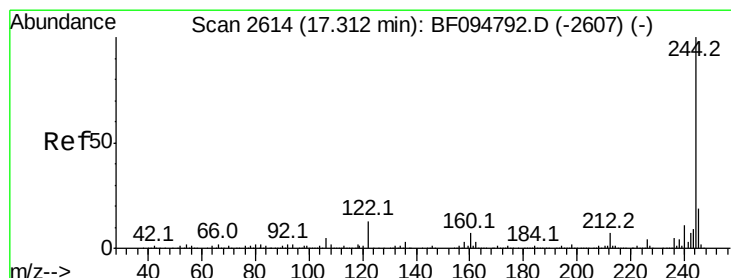
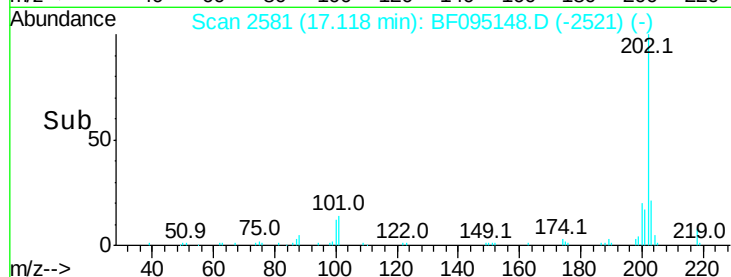
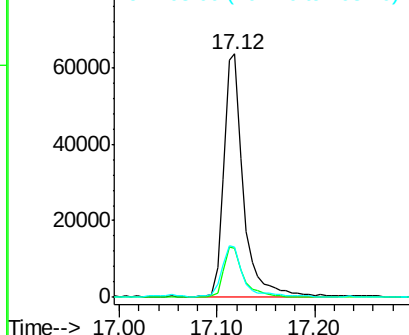
202 100

200 20.0 17.6 26.4

203 20.6 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: 0.57 ng

RT: 17.35 min Scan# 2621

Delta R.T. 0.04 min

Lab File: BF095148.D

Acq: 16 May 2017 4:20

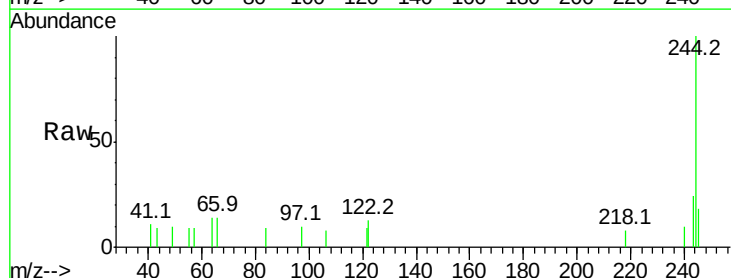
Tgt Ion:244 Resp: 4593

Ion Ratio Lower Upper

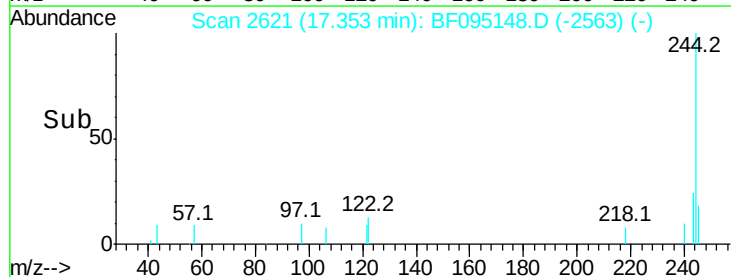
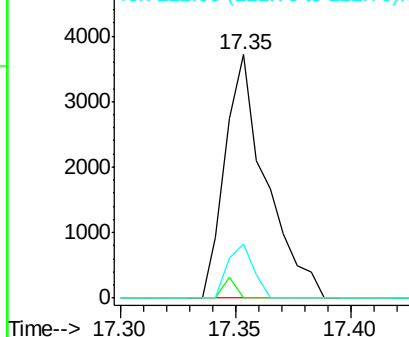
244 100

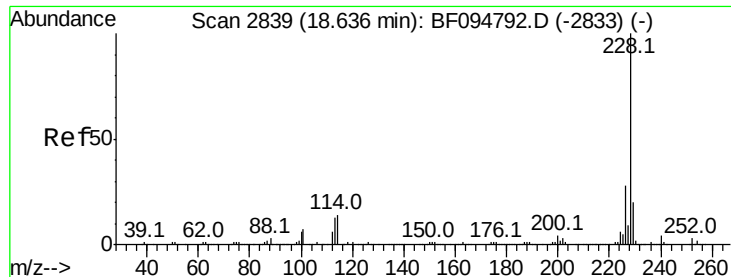
212 0.0 6.0 9.0#

122 22.1 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: 3.56 ng

RT: 18.69 min Scan# 2848

Delta R.T. 0.05 min

Lab File: BF095148.D

Acq: 16 May 2017 4:20

Instrument :

BNA_F

ClientSampleId :

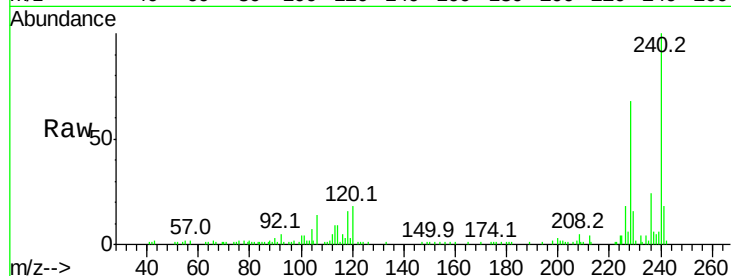
Tot Ion:228 Resp: 36854

Ion Ratio Lower Upper

228 100

226 26.3 22.6 33.8

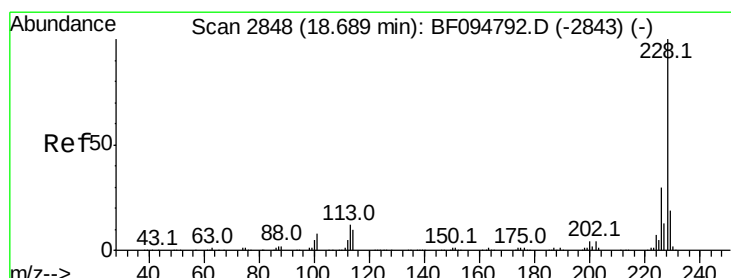
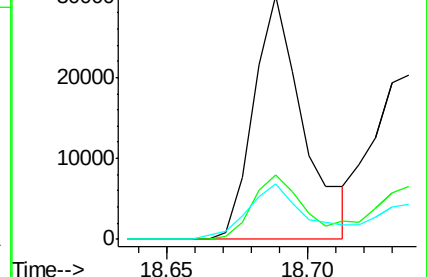
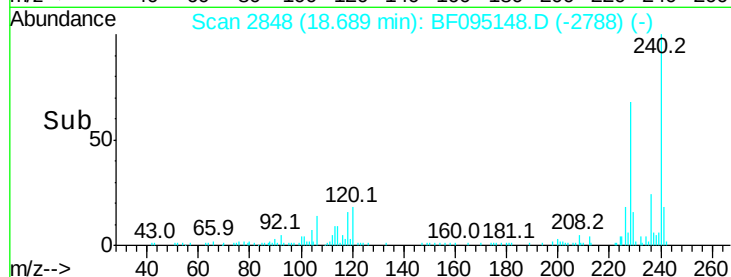
229 22.9 16.3 24.5



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: 3.43 ng

RT: 18.74 min Scan# 2856

Delta R.T. 0.05 min

Lab File: BF095148.D

Acq: 16 May 2017 4:20

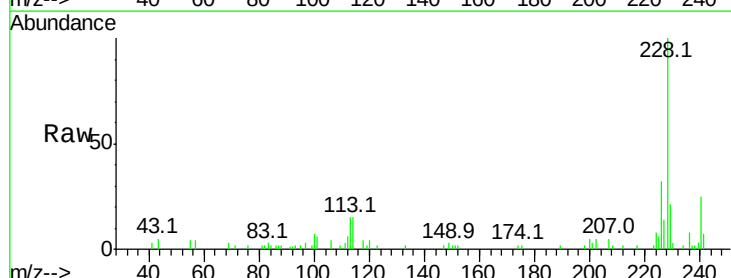
Tgt Ion:228 Resp: 34333

Ion Ratio Lower Upper

228 100

226 32.4 24.9 37.3

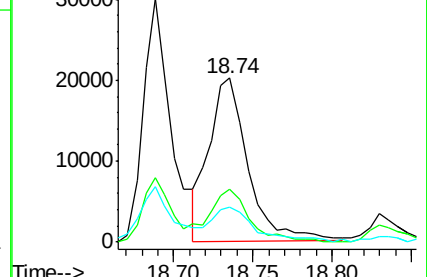
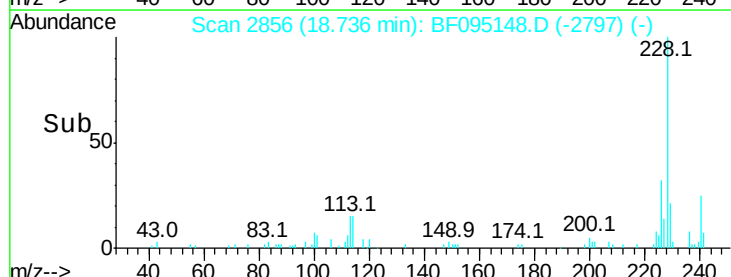
229 20.9 15.8 23.6

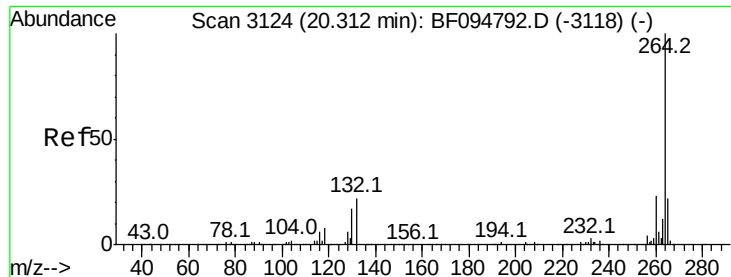


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

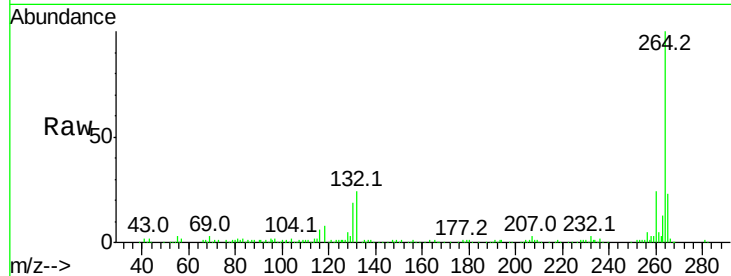




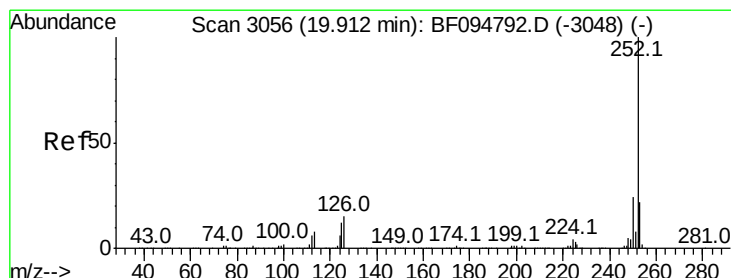
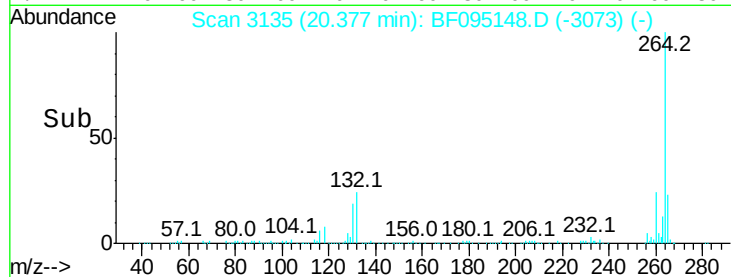
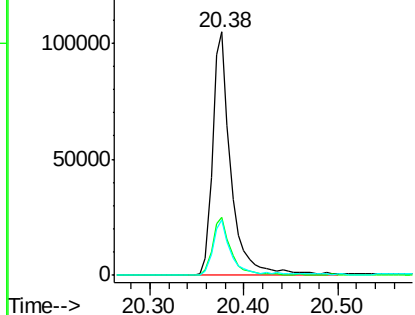
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.38 min Scan# 3135
Delta R.T. 0.06 min
Lab File: BF095148.D
Acq: 16 May 2017 4:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 144608
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 22.7 17.2 25.8

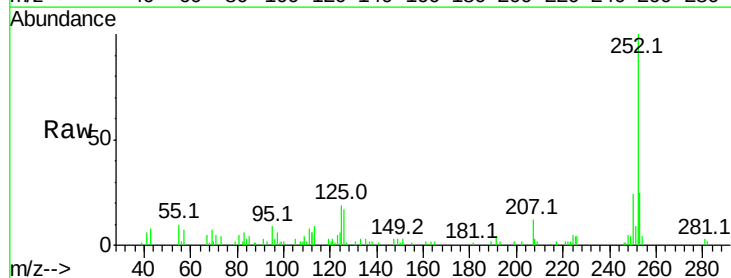


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

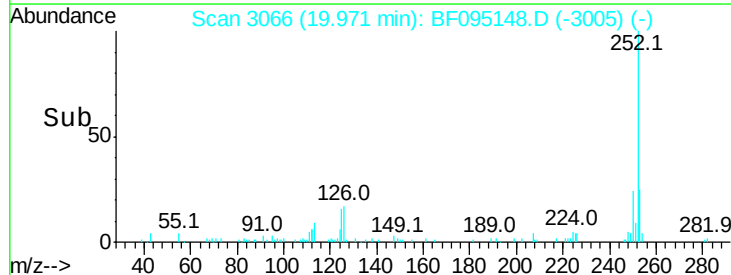
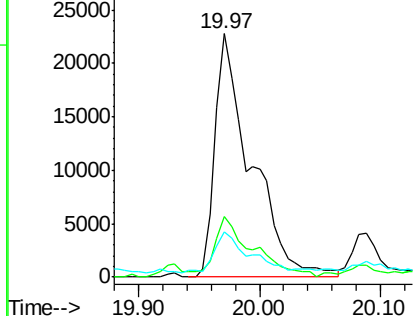


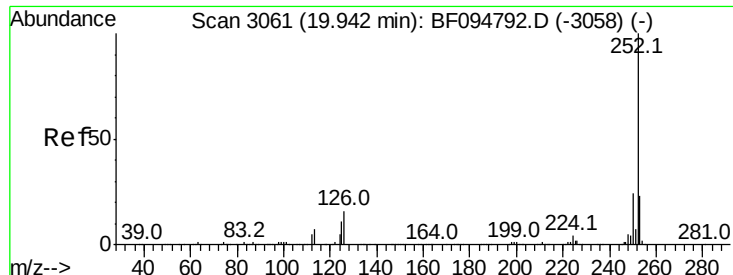
#87
Benzo(b)fluoranthene
Concen: 5.28 ng
RT: 19.97 min Scan# 3066
Delta R.T. 0.06 min
Lab File: BF095148.D
Acq: 16 May 2017 4:20

Tgt Ion:252 Resp: 47150
Ion Ratio Lower Upper
252 100
253 24.7 18.1 27.1
125 18.5 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

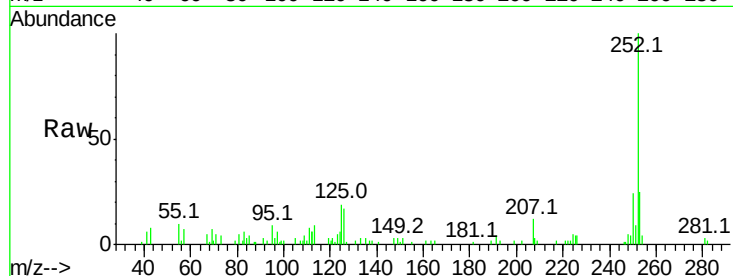




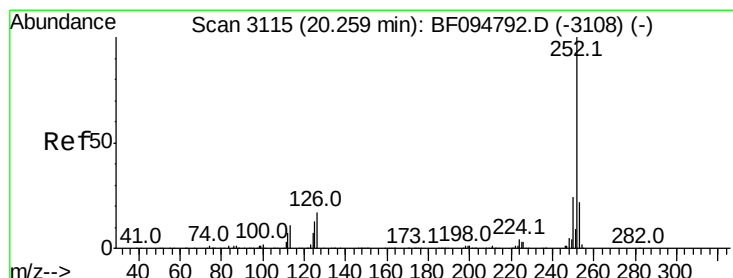
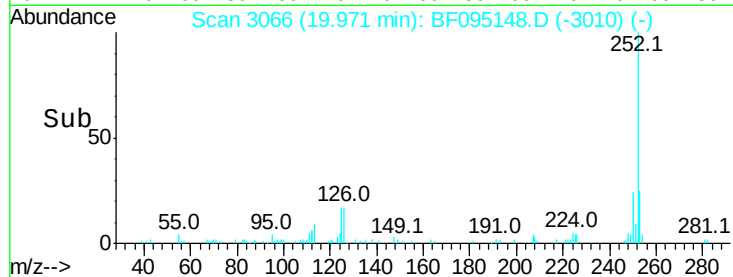
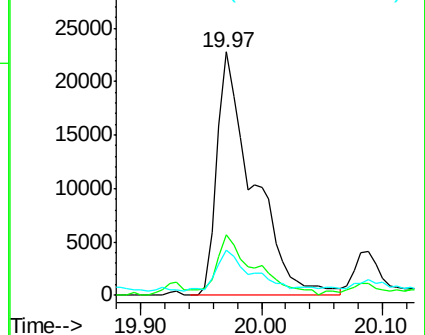
#88
Benzo(k)fluoranthene
Concen: 5.47 ng
RT: 19.97 min Scan# 3066
Delta R.T. 0.03 min
Lab File: BF095148.D
Acq: 16 May 2017 4:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 47150
Ion Ratio Lower Upper
252 100
253 24.7 18.4 27.6
125 18.5 13.1 19.7

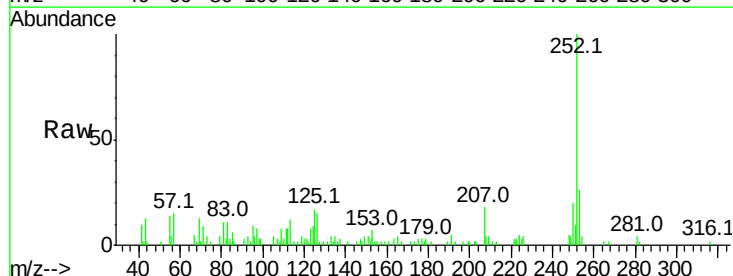


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.78 ng
RT: 20.32 min Scan# 3126
Delta R.T. 0.06 min
Lab File: BF095148.D
Acq: 16 May 2017 4:20

Tgt Ion:252 Resp: 22887
Ion Ratio Lower Upper
252 100
253 25.9 17.5 26.3
125 17.1 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

