

Data Path : Z:\HPCHEM1\BNA F\Data\BF051517\
 Data File : BF095156.D
 Acq On : 16 May 2017 13:25
 Operator : SJ/MA
 Sample : I3140-16 10X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 16 16:23:45 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

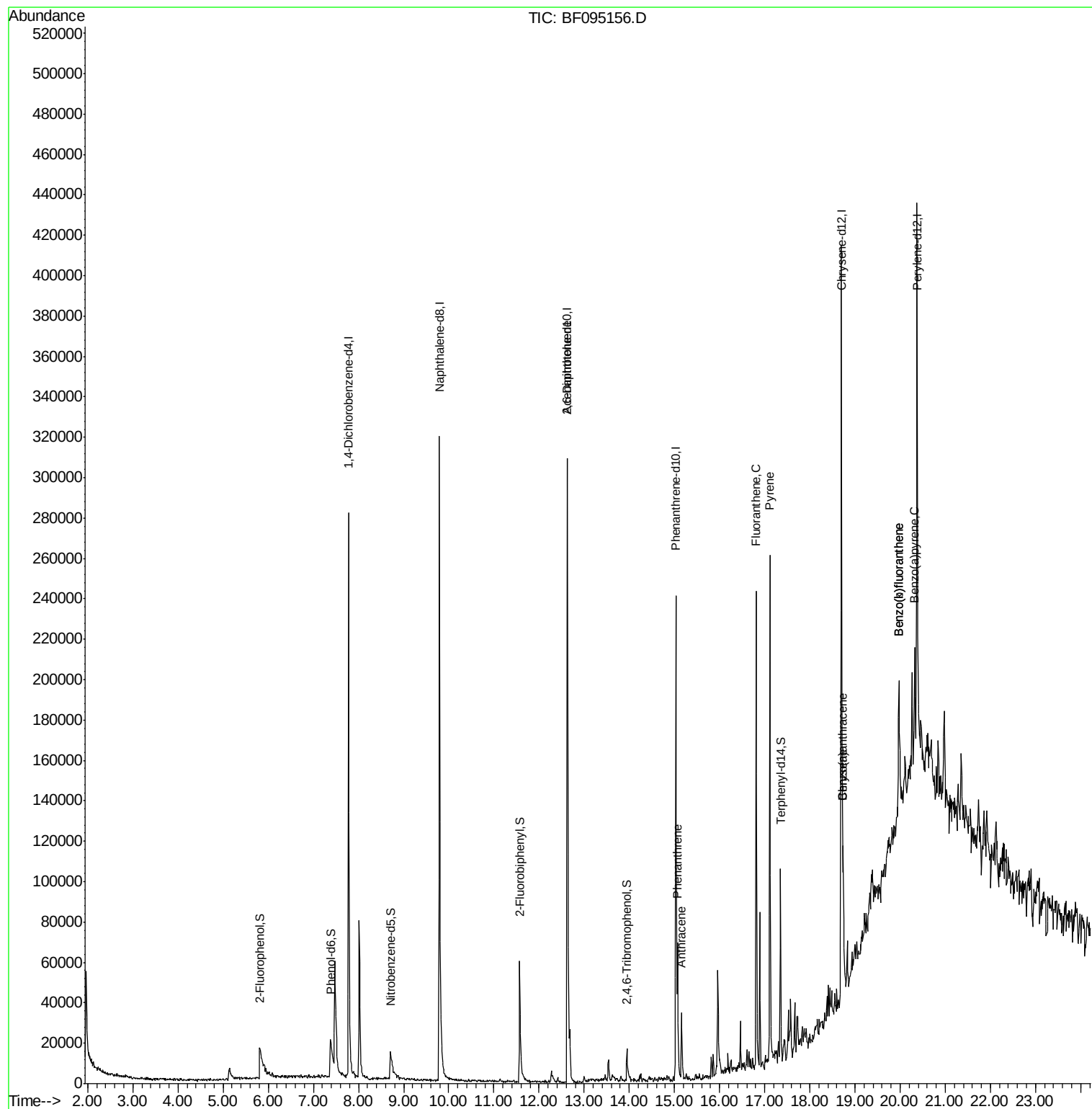
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	70148	20.00	ng	0.05
21) Naphthalene-d8	9.80	136	260946	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	109523	20.00	ng	0.04
63) Phenanthrene-d10	15.03	188	143724	20.00	ng	0.05
75) Chrysene-d12	18.70	240	156409	20.00	ng	0.05
86) Perylene-d12	20.38	264	131693	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.81	112	21926	5.21	ng	0.14
7) Phenol-d6	7.38	99	36791	7.29	ng	0.10
23) Nitrobenzene-d5	8.71	82	19893	4.81	ng	0.07
41) 2,4,6-Tribromophenol	13.95	330	5563	6.20	ng	0.06
44) 2-Fluorobiphenyl	11.57	172	48834	6.42	ng	0.04
78) Terphenyl-d14	17.35	244	35196	4.96	ng	0.04
Target Compounds						
50) 2,6-Dinitrotoluene	12.62	165	8841	4.82	ng	Qvalue # 31
70) Phenanthrene	15.07	178	40239	4.87	ng	97
71) Anthracene	15.16	178	26697	3.16	ng	95
74) Fluoranthene	16.81	202	139443	16.46	ng	98
77) Pyrene	17.11	202	125605	10.74	ng	96
80) Benzo(a)anthracene	18.74	228	37729	4.14	ng	95
82) Chrysene	18.74	228	38361	4.36	ng	97
87) Benzo(b)fluoranthene	19.97	252	51083	6.28	ng	# 92
88) Benzo(k)fluoranthene	19.97	252	51083	6.51	ng	96
89) Benzo(a)pyrene	20.32	252	23238	3.09	ng	# 87

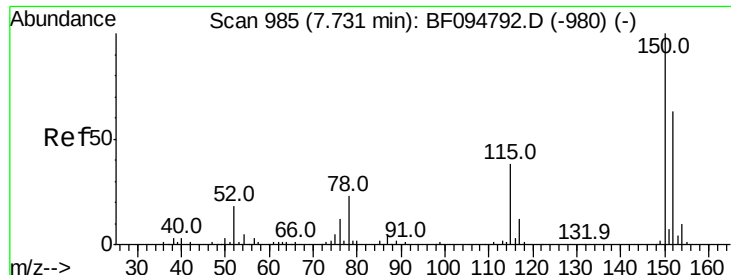
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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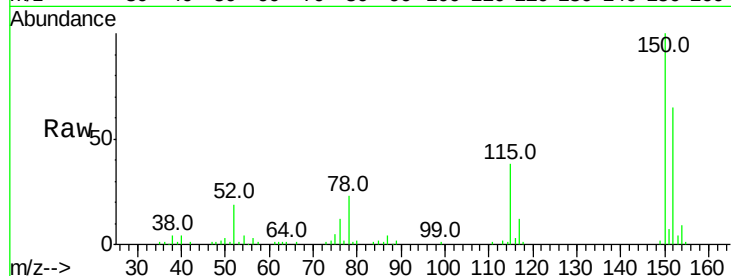


#1

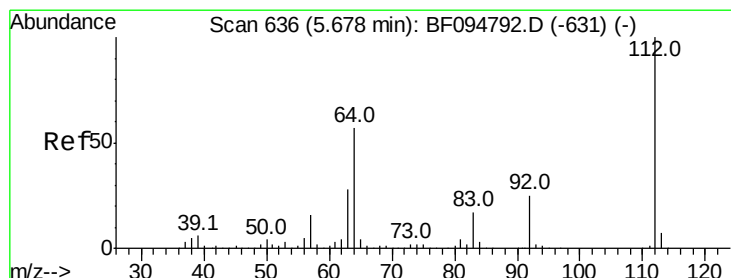
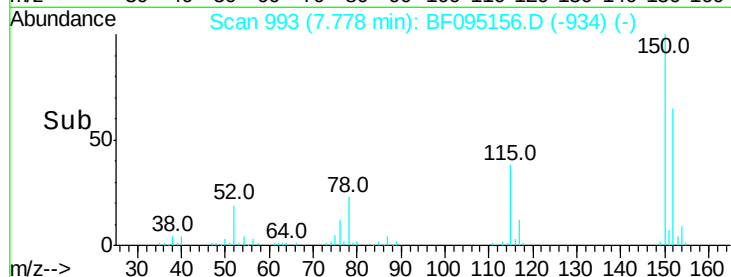
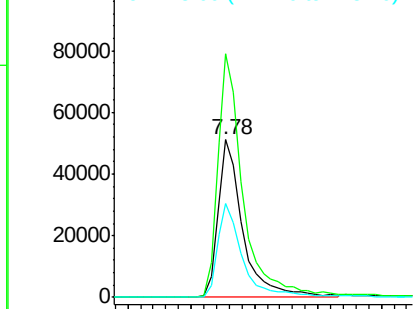
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.78 min Scan# 993
Delta R.T. 0.05 min
Lab File: BF095156.D
Acq: 16 May 2017 13:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 70148
Ion Ratio Lower Upper
152 100
150 154.8 126.2 189.2
115 59.5 52.2 78.2



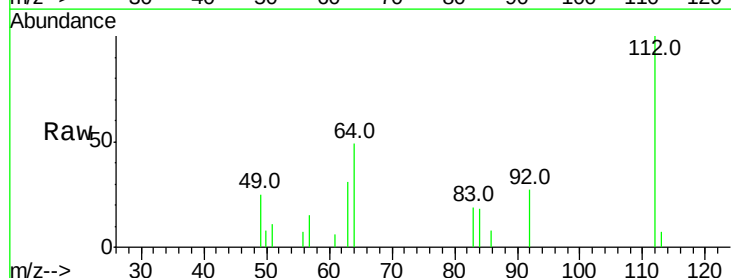
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



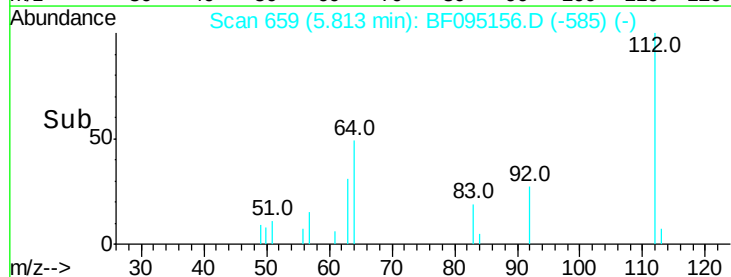
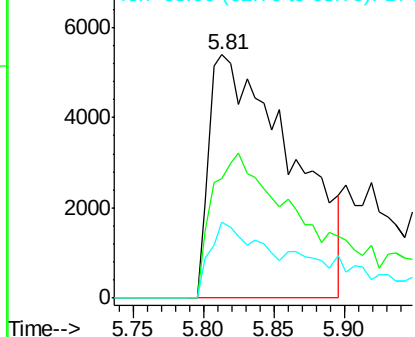
#5

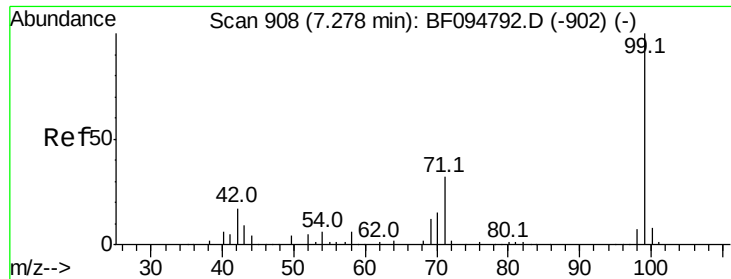
2-Fluorophenol
Concen: 5.21 ng
RT: 5.81 min Scan# 659
Delta R.T. 0.14 min
Lab File: BF095156.D
Acq: 16 May 2017 13:25

Tgt Ion:112 Resp: 21926
Ion Ratio Lower Upper
112 100
64 49.3 46.0 69.0
63 31.1 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: 7.29 ng

RT: 7.38 min Scan# 925

Delta R.T. 0.10 min

Lab File: BF095156.D

Acq: 16 May 2017 13:25

Instrument :

BNA_F

ClientSampleId :

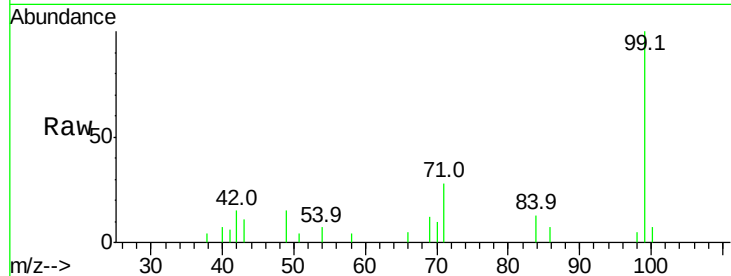
Tot Ion: 99 Resp: 36791

Ion Ratio Lower Upper

99 100

42 14.6 13.5 20.3

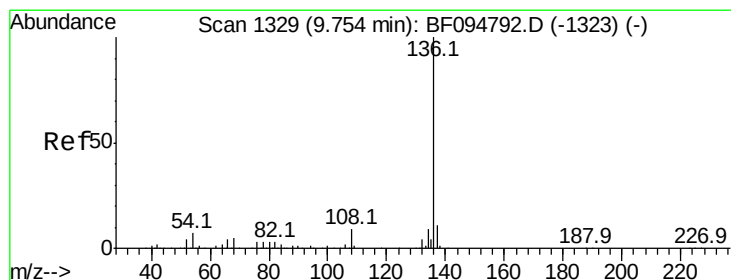
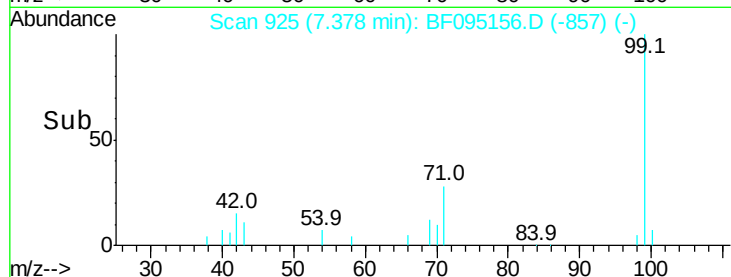
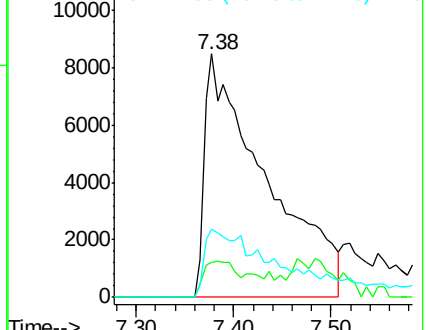
71 27.9 24.5 36.7



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: BF095156.D

Acq: 16 May 2017 13:25

Tgt Ion: 136 Resp: 260946

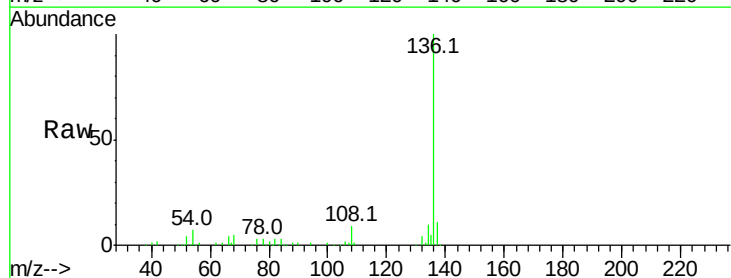
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 6.7 4.9 7.3

68 5.4 4.1 6.1

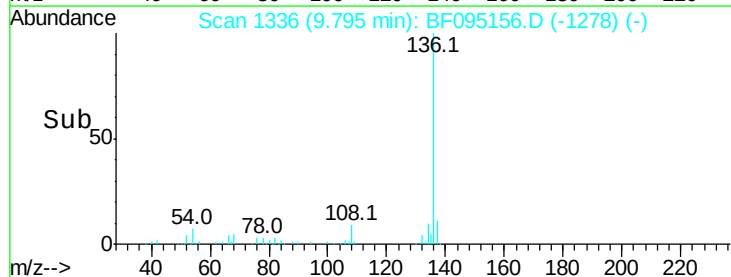
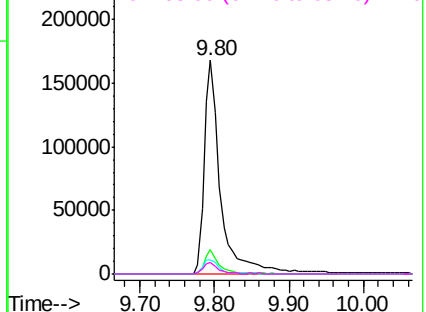


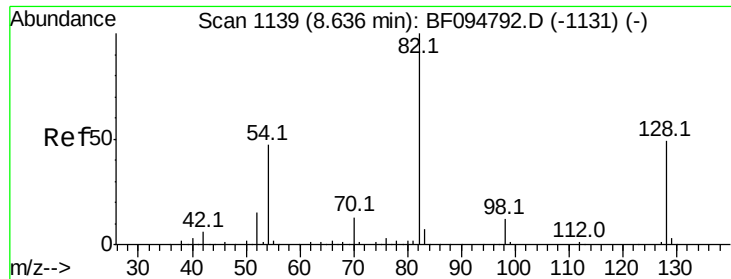
Abundance Ion 136.00 (135.70 to 136.70): E

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

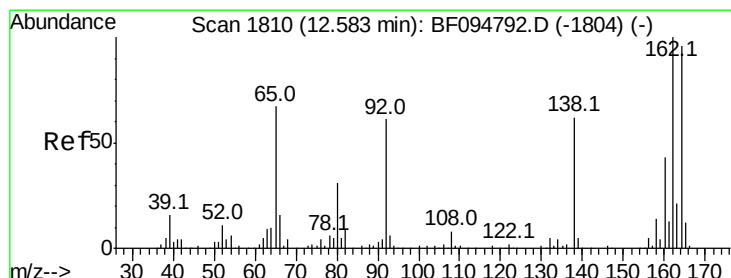
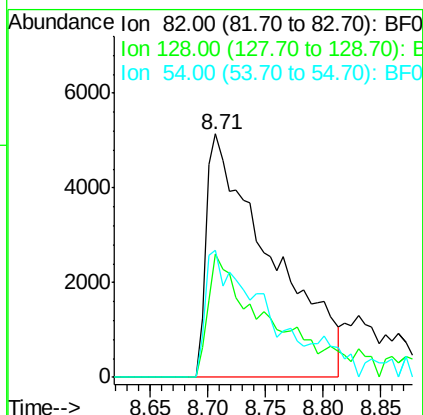
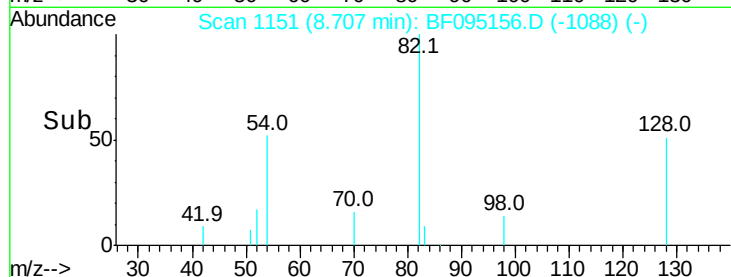
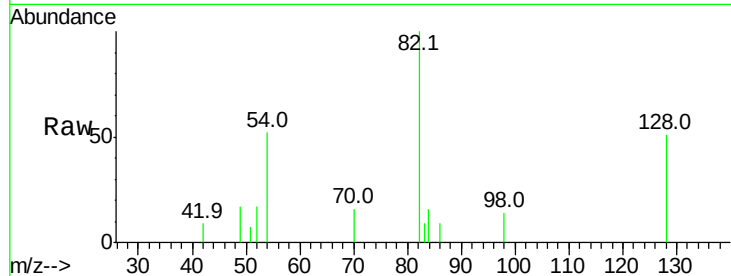




#23
 Nitrobenzene-d5
 Concen: 4.81 ng
 RT: 8.71 min Scan# 1151
 Delta R.T. 0.07 min
 Lab File: BF095156.D
 Acq: 16 May 2017 13:25

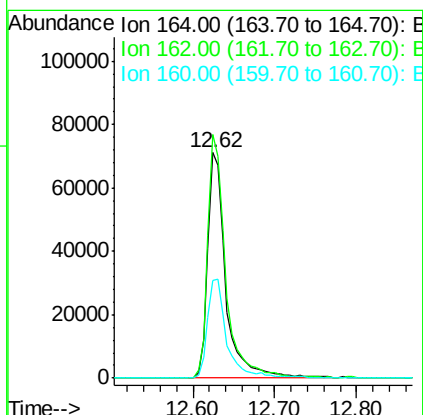
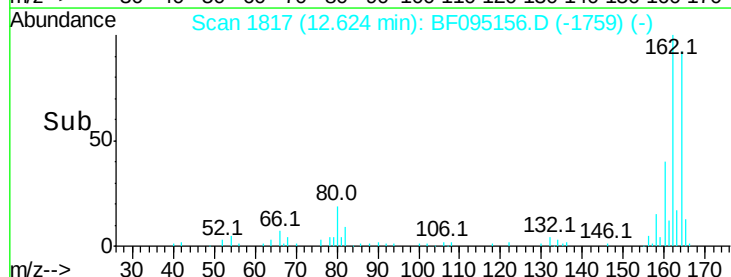
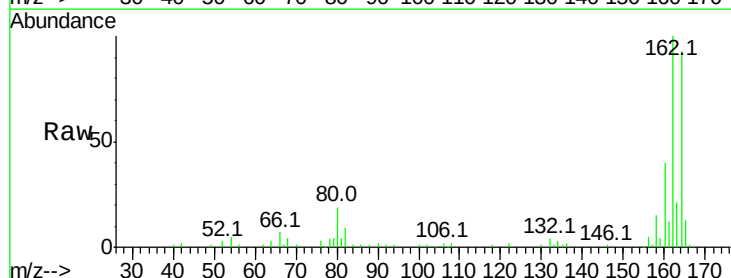
Instrument :
 BNA_F
 ClientSampled :

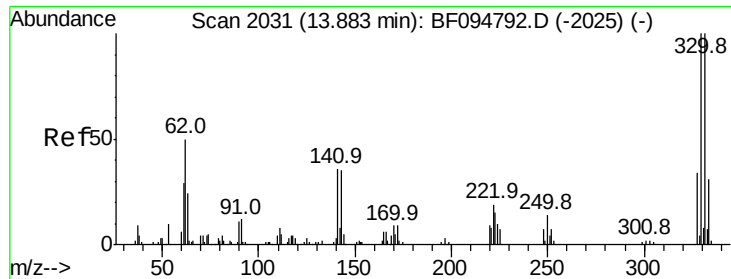
Tot Ion:	82	Resp:	19893
Ion	Ratio	Lower	Upper
82	100		
128	50.9	34.0	51.0
54	52.2	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.62 min Scan# 1817
 Delta R.T. 0.04 min
 Lab File: BF095156.D
 Acq: 16 May 2017 13:25

Tgt Ion:	164	Resp:	109523
Ion	Ratio	Lower	Upper
164	100		
162	107.9	82.6	123.8
160	43.1	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 6.20 ng

RT: 13.95 min Scan# 2042

Delta R.T. 0.06 min

Lab File: BF095156.D

Acq: 16 May 2017 13:25

Instrument :

BNA_F

ClientSampleId :

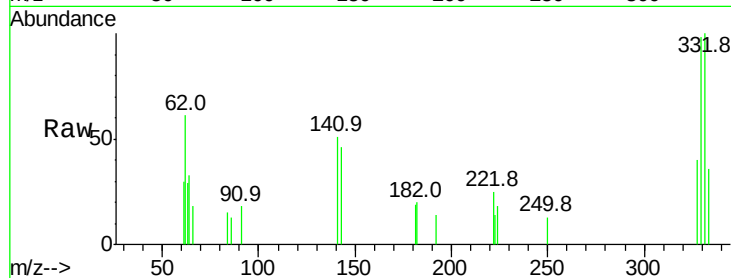
Tot Ion:330 Resp: 5563

Ion Ratio Lower Upper

330 100

332 85.4 76.6 115.0

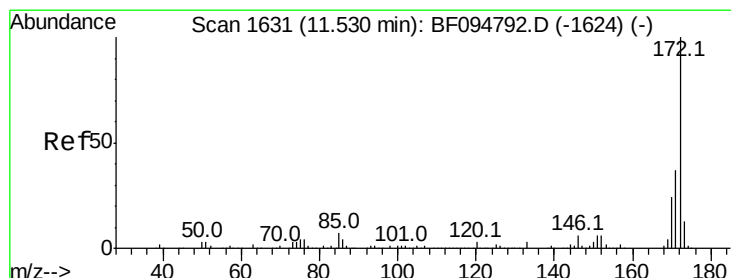
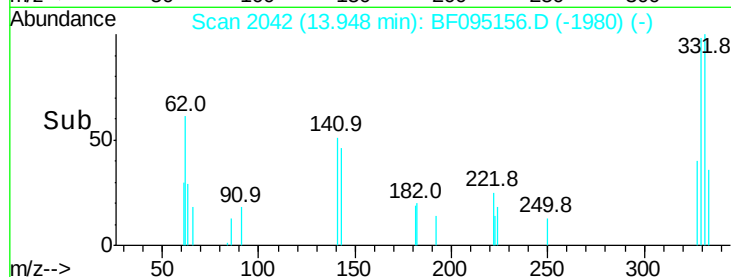
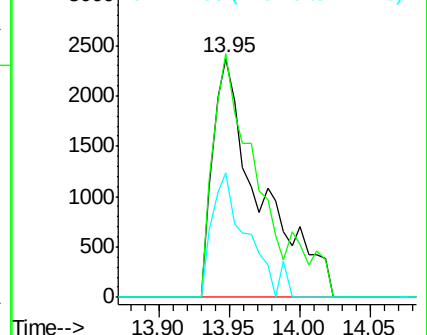
141 36.2 31.4 47.2



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 6.42 ng

RT: 11.57 min Scan# 1638

Delta R.T. 0.04 min

Lab File: BF095156.D

Acq: 16 May 2017 13:25

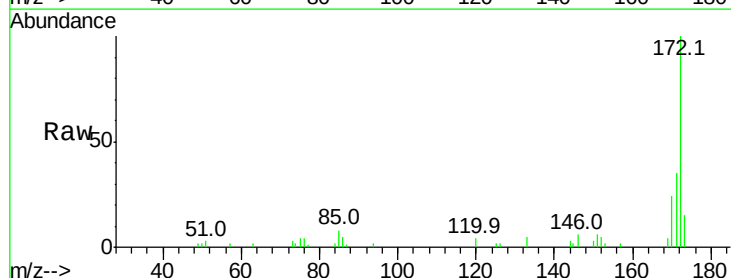
Tgt Ion:172 Resp: 48834

Ion Ratio Lower Upper

172 100

171 34.5 29.6 44.4

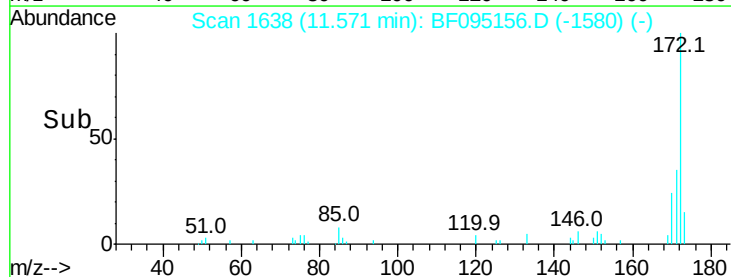
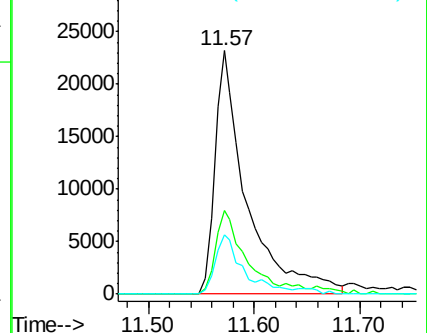
170 24.1 19.8 29.8

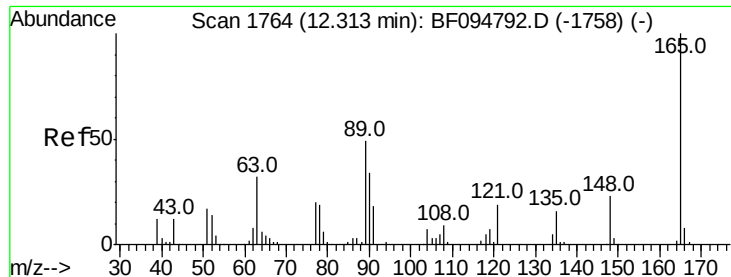


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

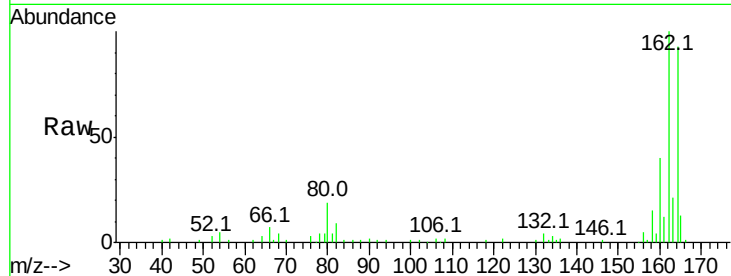




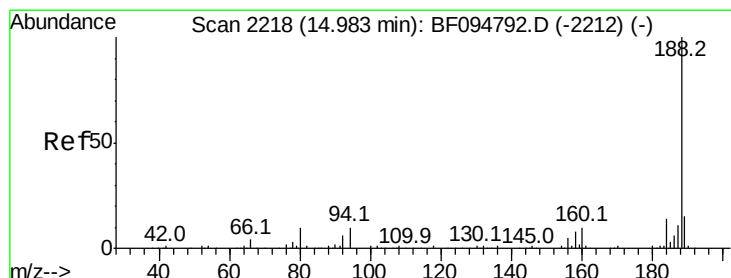
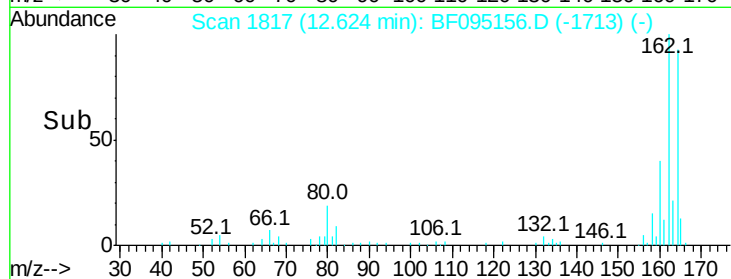
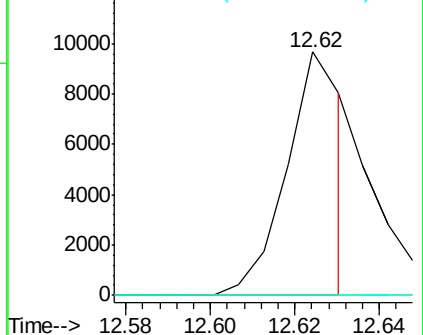
#50
 2,6-Dinitrotoluene
 Concen: 4.82 ng
 RT: 12.62 min Scan# 1817
 Delta R.T. 0.31 min
 Lab File: BF095156.D
 Acq: 16 May 2017 13:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 8841
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 0.0 37.1 55.7#

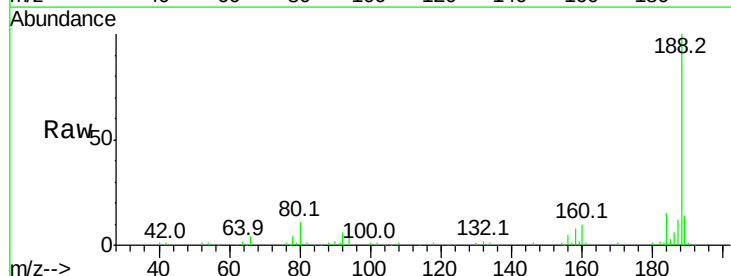


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

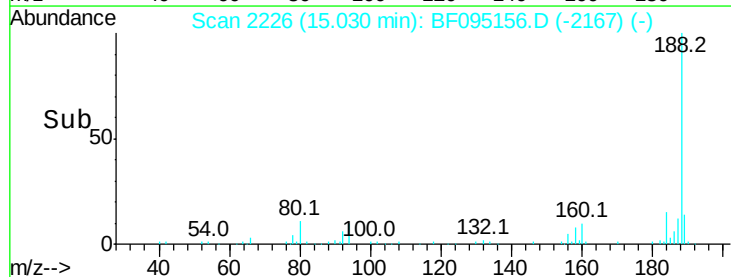
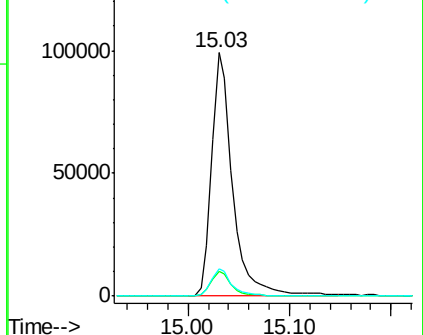


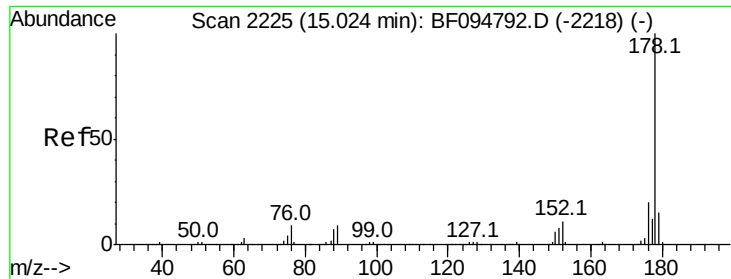
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.03 min Scan# 2226
 Delta R.T. 0.05 min
 Lab File: BF095156.D
 Acq: 16 May 2017 13:25

Tgt Ion:188 Resp: 143724
 Ion Ratio Lower Upper
 188 100
 94 10.3 9.4 14.2
 80 11.1 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

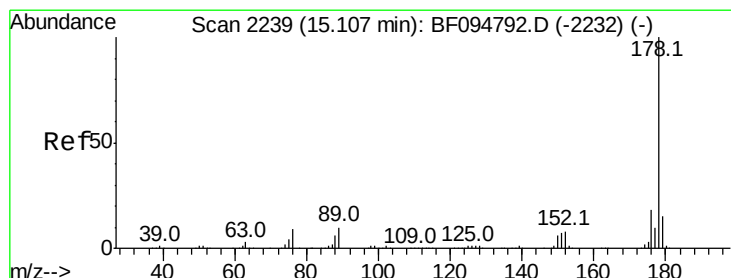
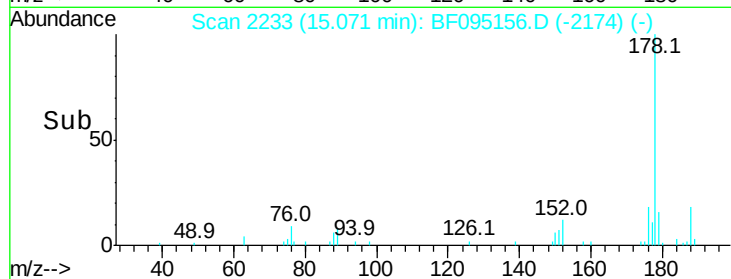
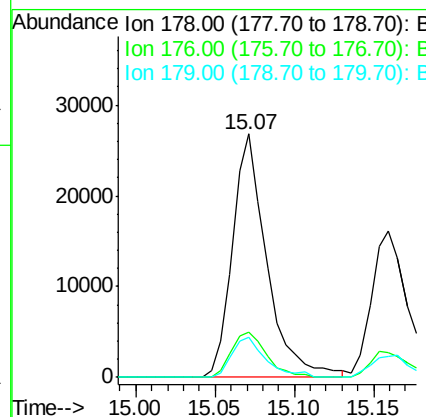
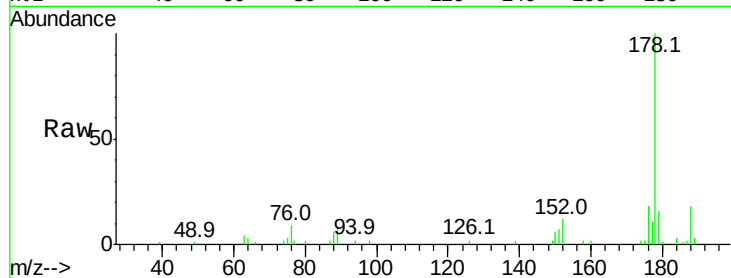




#70
 Phenanthrene
 Concen: 4.87 ng
 RT: 15.07 min Scan# 2233
 Delta R.T. 0.05 min
 Lab File: BF095156.D
 Acq: 16 May 2017 13:25

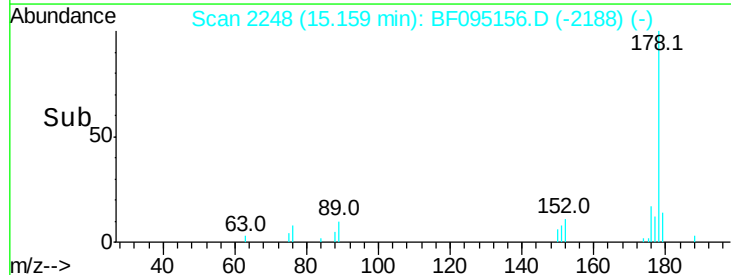
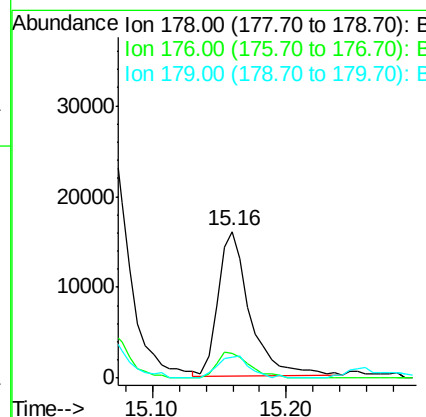
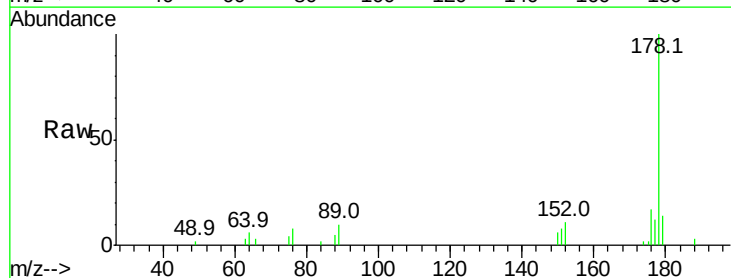
Instrument :
 BNA_F
 ClientSampleId :

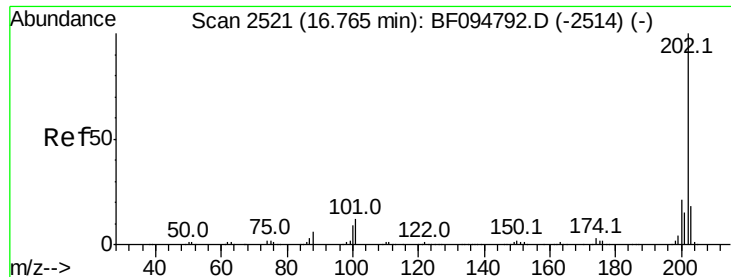
Tot Ion:178 Resp: 40239
 Ion Ratio Lower Upper
 178 100
 176 18.5 16.2 24.4
 179 16.3 12.6 19.0



#71
 Anthracene
 Concen: 3.16 ng
 RT: 15.16 min Scan# 2248
 Delta R.T. 0.05 min
 Lab File: BF095156.D
 Acq: 16 May 2017 13:25

Tgt Ion:178 Resp: 26697
 Ion Ratio Lower Upper
 178 100
 176 17.1 15.8 23.8
 179 14.4 12.7 19.1

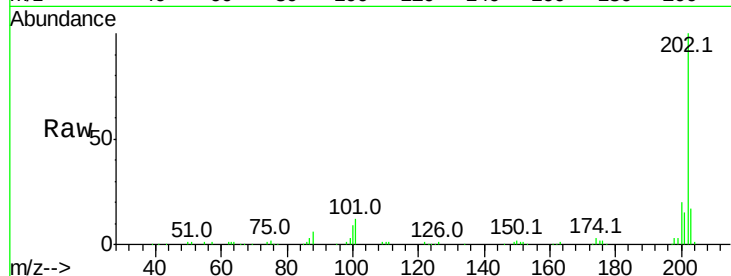




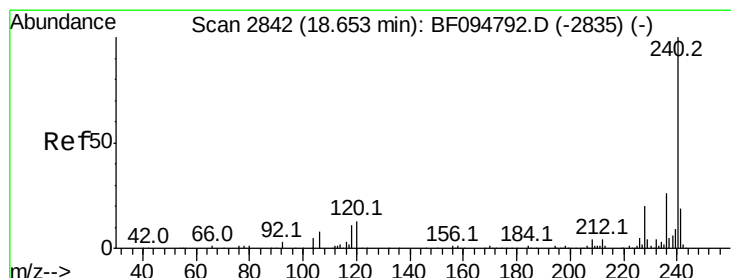
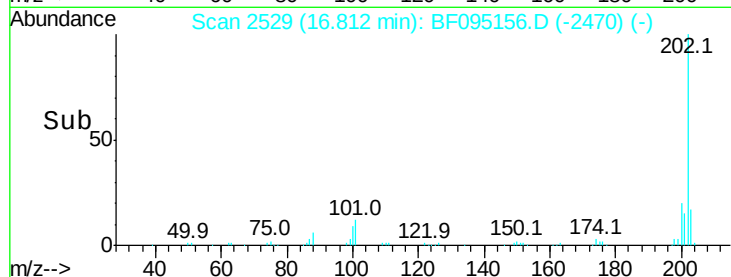
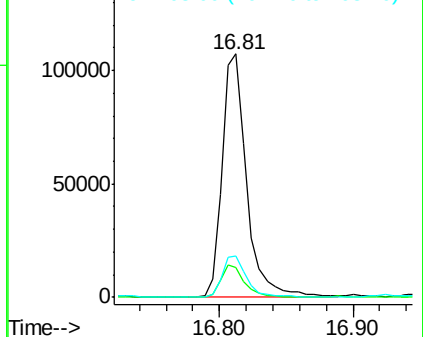
#74
 Fluoranthene
 Concen: 16.46 ng
 RT: 16.81 min Scan# 2529
 Delta R.T. 0.05 min
 Lab File: BF095156.D
 Acq: 16 May 2017 13:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.2
203	16.9	0.0	38.1

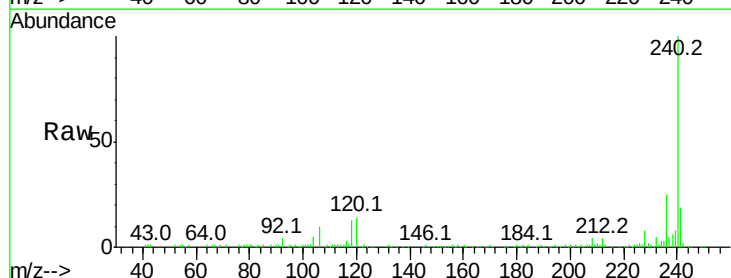


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

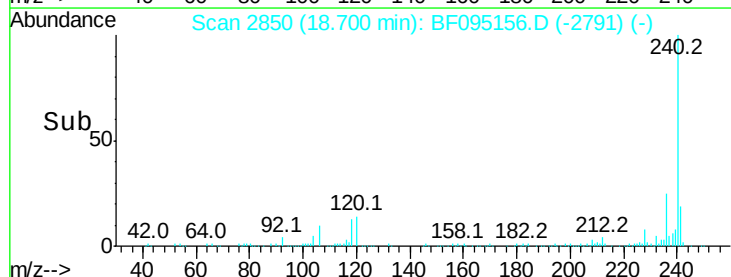
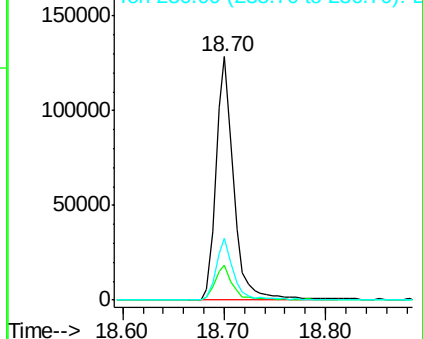


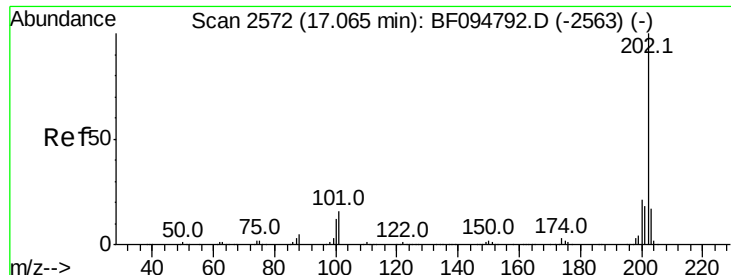
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.70 min Scan# 2850
 Delta R.T. 0.05 min
 Lab File: BF095156.D
 Acq: 16 May 2017 13:25

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.3	5.8	8.8#
236	25.4	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: 10.74 ng

RT: 17.11 min Scan# 2580

Delta R.T. 0.05 min

Lab File: BF095156.D

Acq: 16 May 2017 13:25

Instrument :

BNA_F

ClientSampleId :

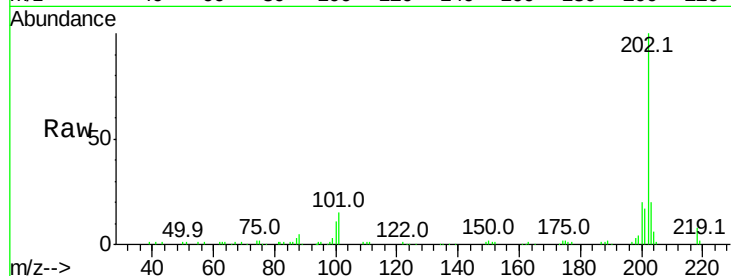
Tot Ion:202 Resp: 125605

Ion Ratio Lower Upper

202 100

200 19.8 17.6 26.4

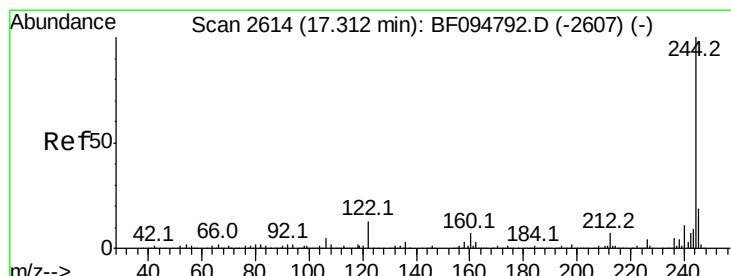
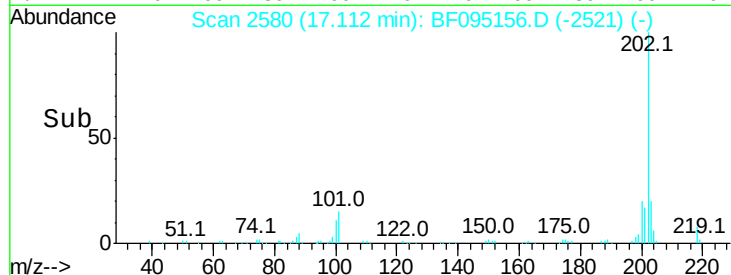
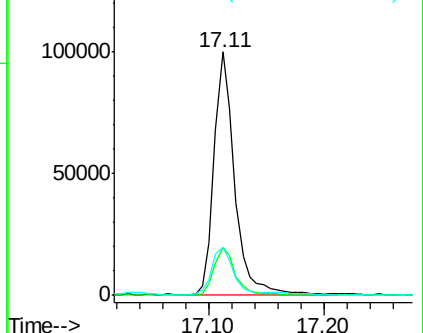
203 19.9 14.4 21.6



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: 4.96 ng

RT: 17.35 min Scan# 2620

Delta R.T. 0.04 min

Lab File: BF095156.D

Acq: 16 May 2017 13:25

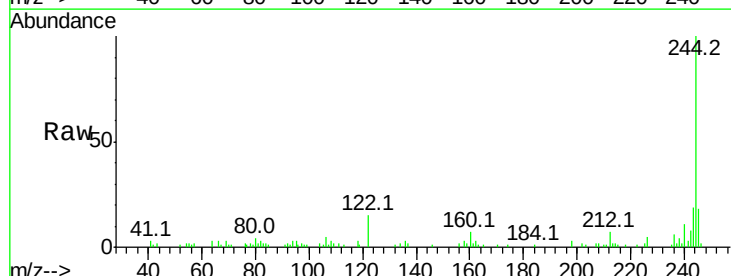
Tgt Ion:244 Resp: 35196

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

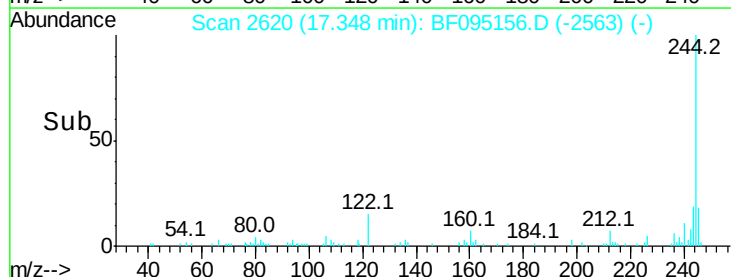
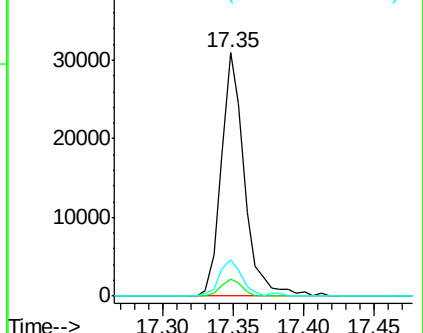
122 15.0 10.3 15.5

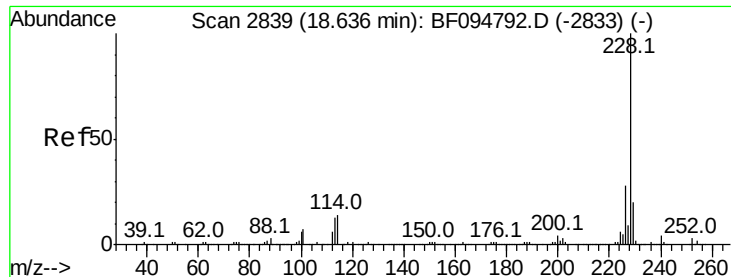


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.14 ng

RT: 18.74 min Scan# 2856

Delta R.T. 0.10 min

Lab File: BF095156.D

Acq: 16 May 2017 13:25

Instrument :

BNA_F

ClientSampleId :

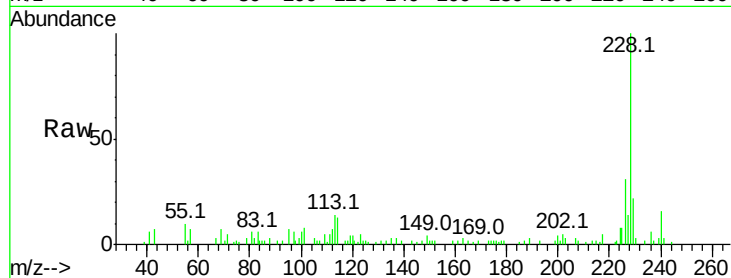
Tot Ion:228 Resp: 37729

Ion Ratio Lower Upper

228 100

226 31.4 22.6 33.8

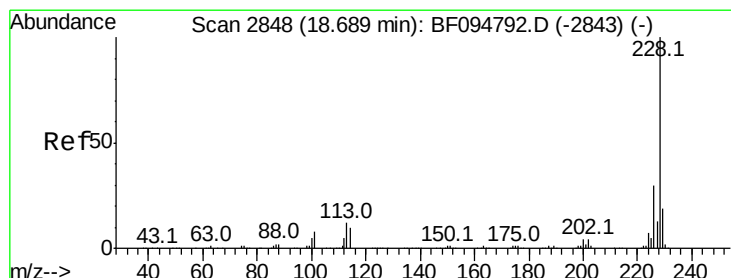
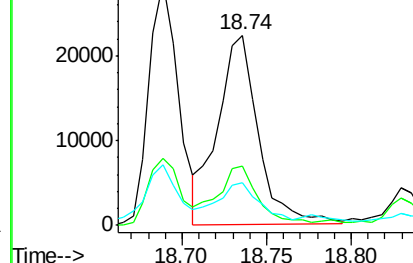
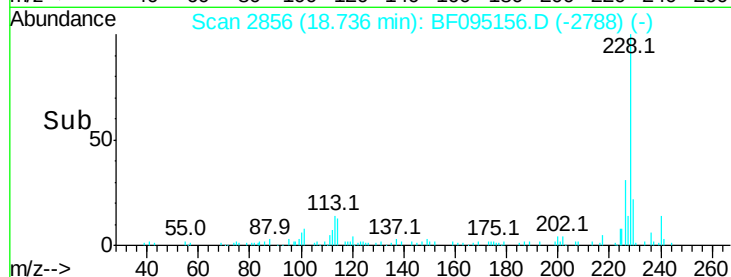
229 22.3 16.3 24.5



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: 4.36 ng

RT: 18.74 min Scan# 2856

Delta R.T. 0.05 min

Lab File: BF095156.D

Acq: 16 May 2017 13:25

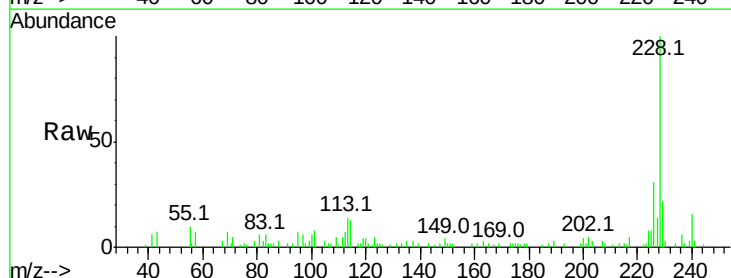
Tgt Ion:228 Resp: 38361

Ion Ratio Lower Upper

228 100

226 31.4 24.9 37.3

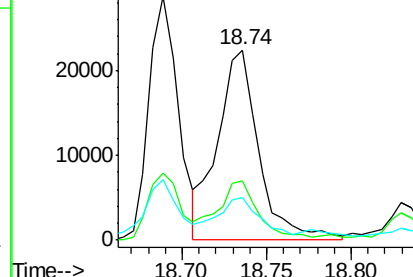
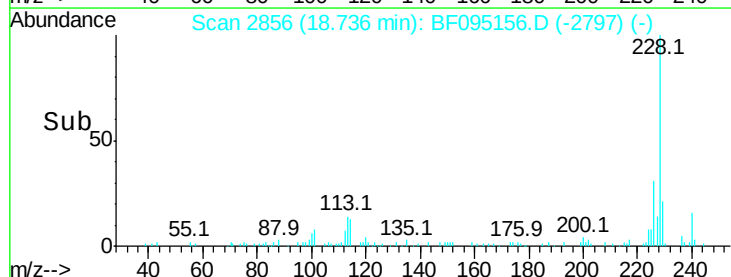
229 22.3 15.8 23.6

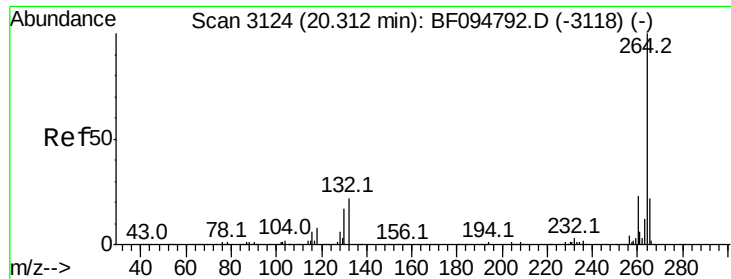


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

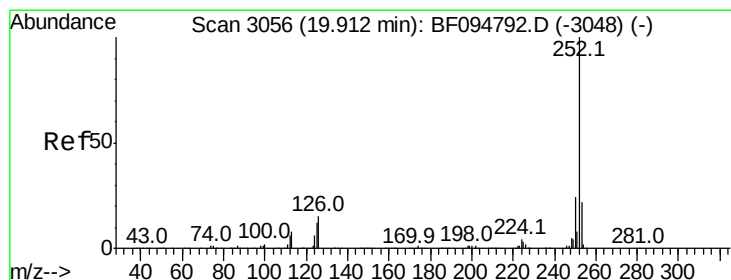
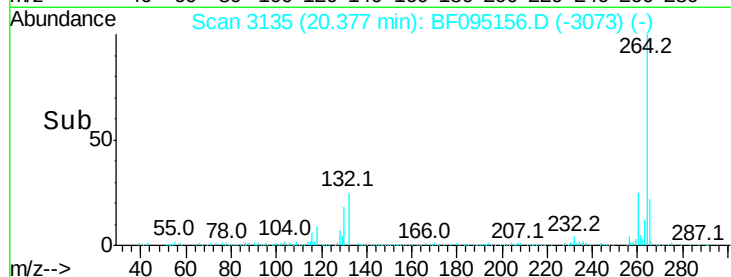
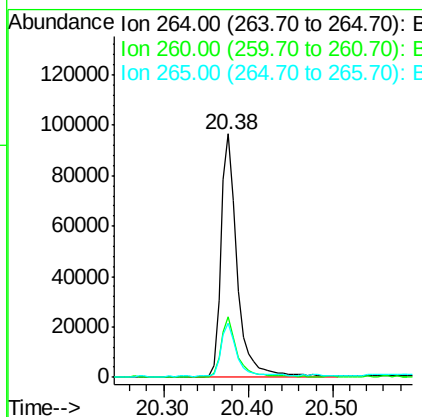
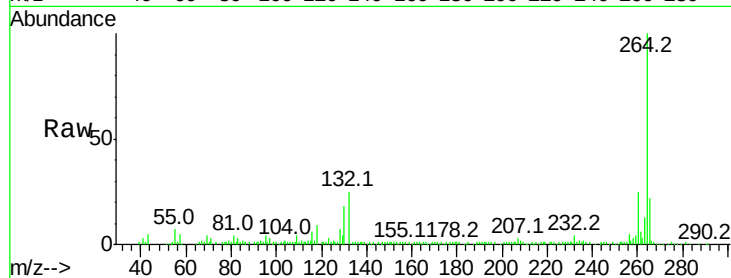




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.38 min Scan# 3135
Delta R.T. 0.06 min
Lab File: BF095156.D
Acq: 16 May 2017 13:25

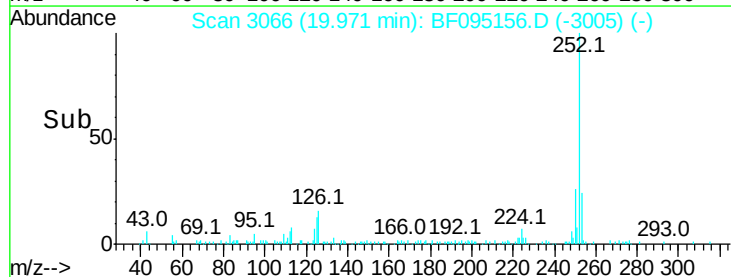
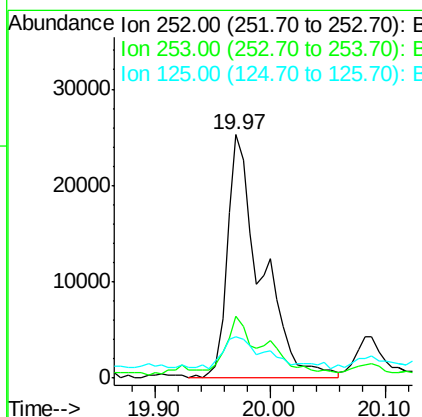
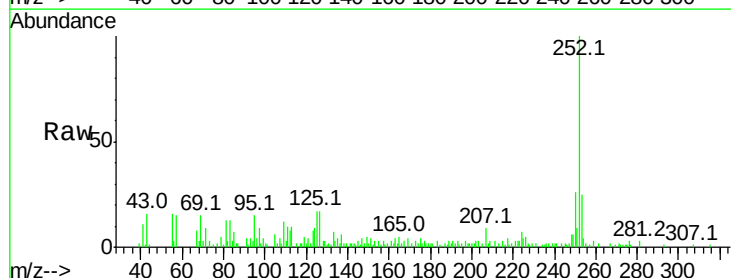
Instrument :
BNA_F
ClientSampleId :

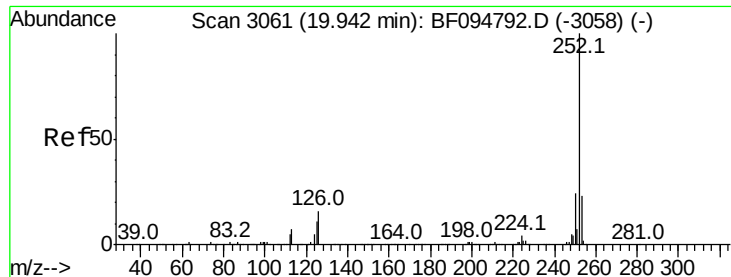
Tot Ion:264 Resp: 131693
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 22.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 6.28 ng
RT: 19.97 min Scan# 3066
Delta R.T. 0.06 min
Lab File: BF095156.D
Acq: 16 May 2017 13:25

Tgt Ion:252 Resp: 51083
Ion Ratio Lower Upper
252 100
253 25.4 18.1 27.1
125 17.1 9.8 14.8#

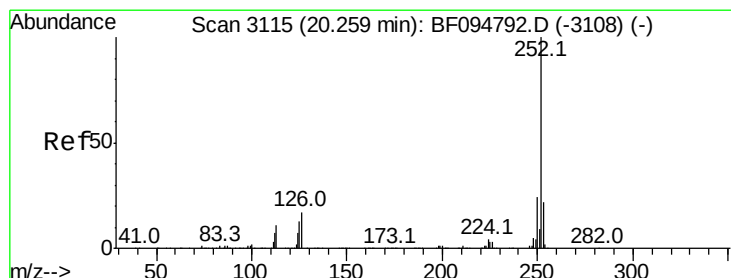
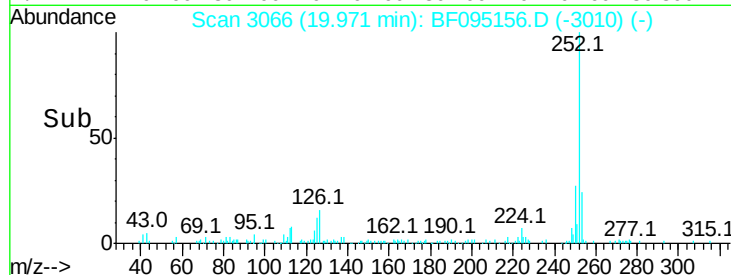
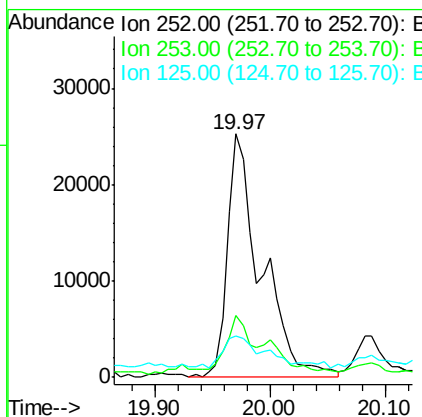
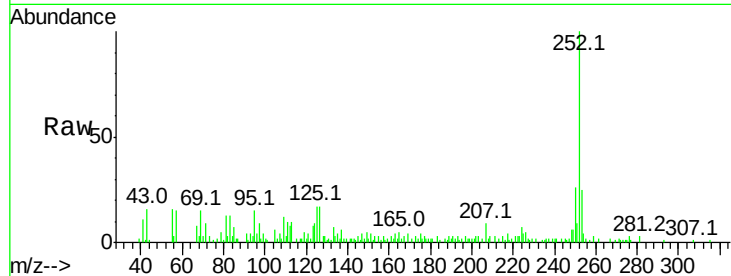




#88
Benzo(k)fluoranthene
Concen: 6.51 ng
RT: 19.97 min Scan# 3066
Delta R.T. 0.03 min
Lab File: BF095156.D
Acq: 16 May 2017 13:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 51083
Ion Ratio Lower Upper
252 100
253 25.4 18.4 27.6
125 17.1 13.1 19.7



#89
Benzo(a)pyrene
Concen: 3.09 ng
RT: 20.32 min Scan# 3126
Delta R.T. 0.06 min
Lab File: BF095156.D
Acq: 16 May 2017 13:25

Tgt Ion:252 Resp: 23238
Ion Ratio Lower Upper
252 100
253 27.9 17.5 26.3#
125 18.9 11.0 16.4#

