

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
 Data File : BF095577.D
 Acq On : 31 May 2017 22:16
 Operator : SJ/MA
 Sample : I3341-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 01 01:37:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

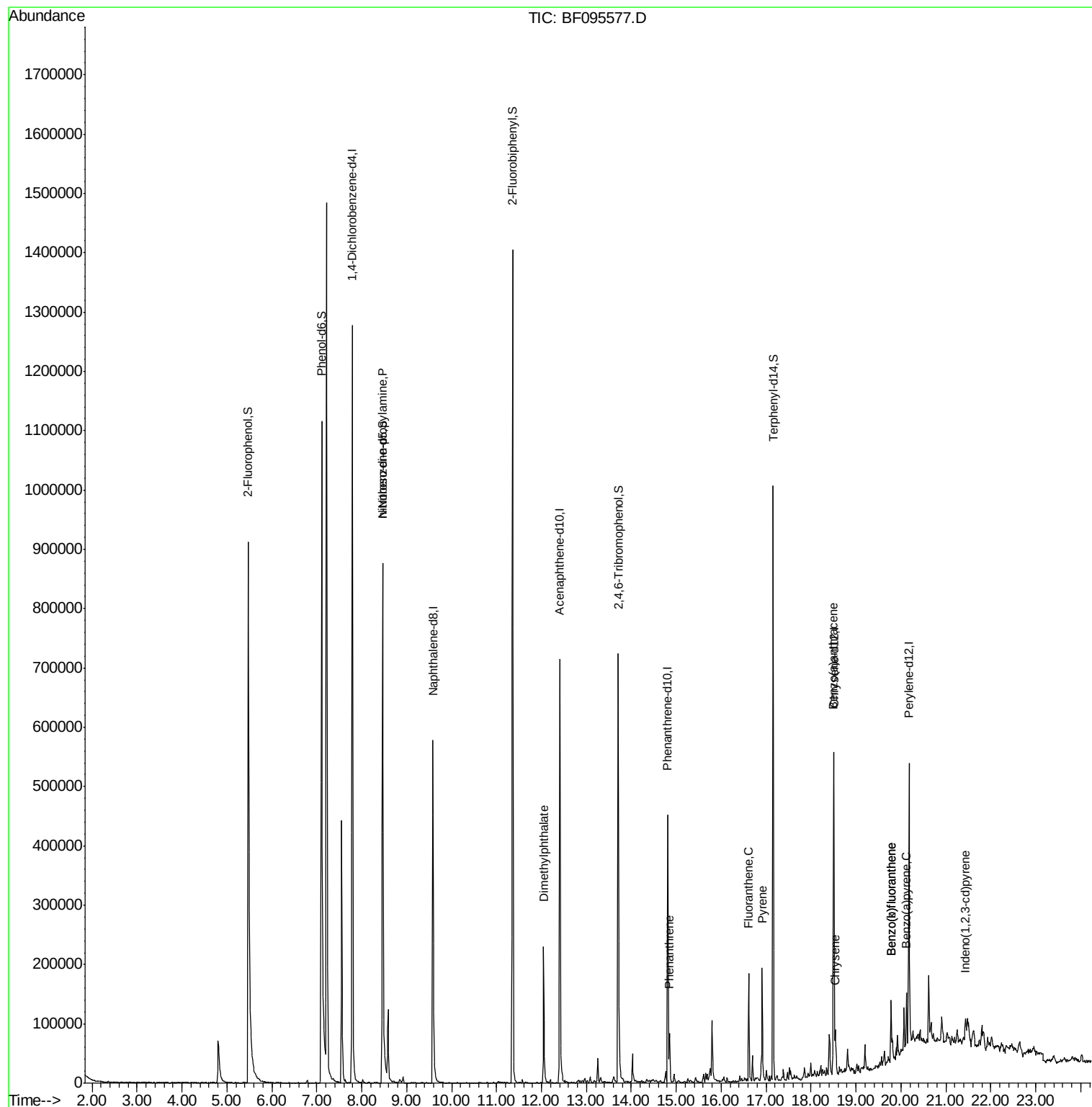
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	291846	20.00	ng	0.05
21) Naphthalene-d8	9.58	136	436763	20.00	ng	-0.18
38) Acenaphthene-d10	12.41	164	177387	20.00	ng	-0.19
63) Phenanthrene-d10	14.81	188	239454	20.00	ng	-0.19
75) Chrysene-d12	18.51	240	211463	20.00	ng	-0.17
86) Perylene-d12	20.18	264	191427	20.00	ng	-0.18
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	595149	34.00	ng	-0.24
7) Phenol-d6	7.11	99	751597	35.78	ng	-0.19
23) Nitrobenzene-d5	8.47	82	475020	68.58	ng	-0.19
41) 2,4,6-Tribromophenol	13.71	330	124432	85.65	ng	-0.19
44) 2-Fluorobiphenyl	11.36	172	627534	50.92	ng	-0.18
78) Terphenyl-d14	17.15	244	350344	36.49	ng	-0.17
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.47	70	58686	4.13	ng	# 74
49) Dimethylphthalate	12.05	163	146007	10.03	ng	98
70) Phenanthrene	14.85	178	53135	3.86	ng	98
74) Fluoranthene	16.61	202	95597	6.77	ng	99
77) Pyrene	16.91	202	82398	5.21	ng	96
80) Benzo(a)anthracene	18.49	228	39468	3.21	ng	94
82) Chrysene	18.54	228	41011	3.45	ng	99
85) Indeno(1,2,3-cd)pyrene	21.44	276	25248	2.61	ng	98
87) Benzo(b)fluoranthene	19.78	252	64569	5.46	ng	# 95
88) Benzo(k)fluoranthene	19.78	252	64569	5.66	ng	100
89) Benzo(a)pyrene	20.12	252	37589	3.44	ng	# 94

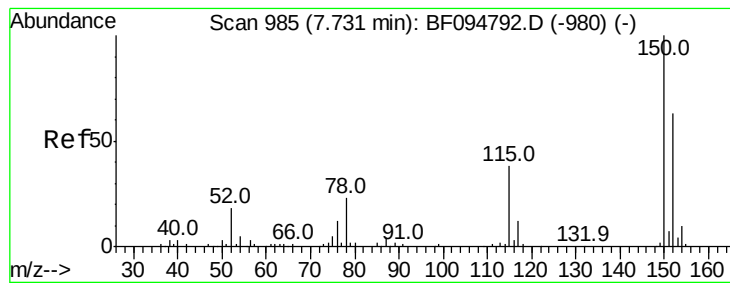
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 26 16:50:16 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.79 min Scan# 1012

Delta R.T. 0.05 min

Lab File: BF095577.D

Acq: 31 May 2017 22:16

Instrument :

BNA_F

ClientSampleId :

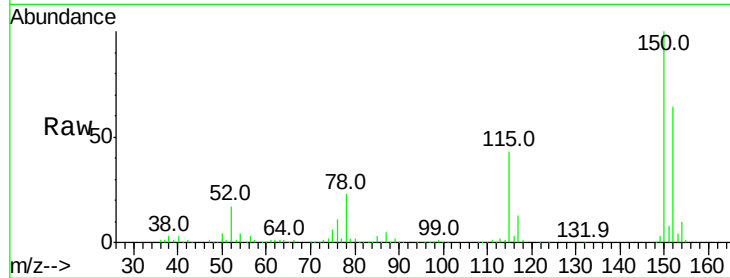
Tot Ion:152 Resp: 291846

Ion Ratio Lower Upper

152 100

150 155.7 126.2 189.2

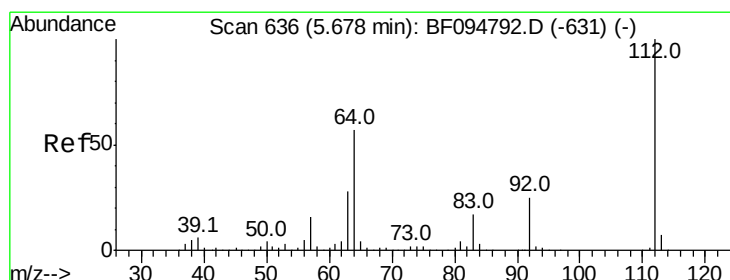
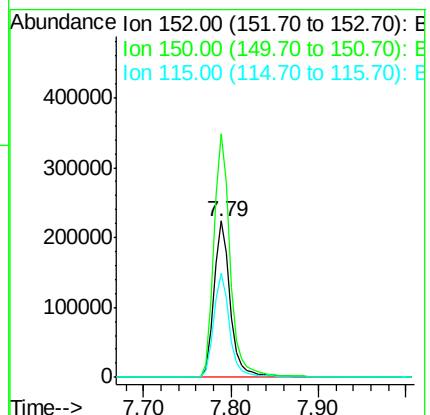
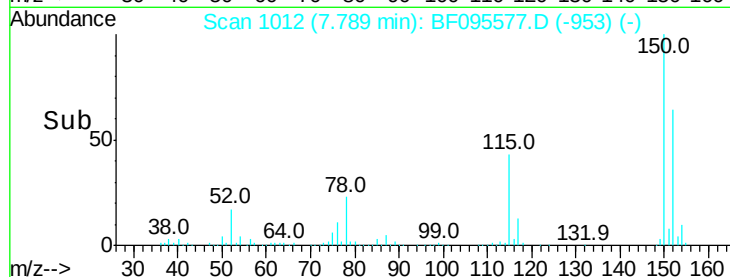
115 66.5 52.2 78.2



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: 34.00 ng

RT: 5.47 min Scan# 618

Delta R.T. -0.24 min

Lab File: BF095577.D

Acq: 31 May 2017 22:16

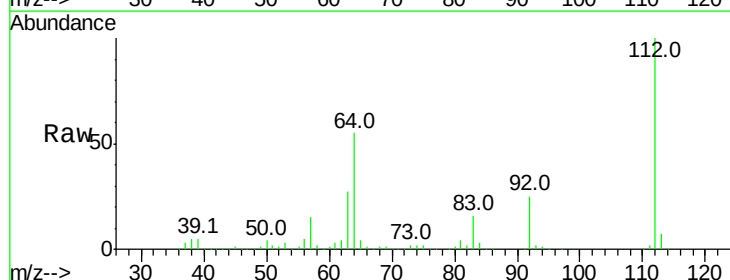
Tgt Ion:112 Resp: 595149

Ion Ratio Lower Upper

112 100

64 54.9 46.0 69.0

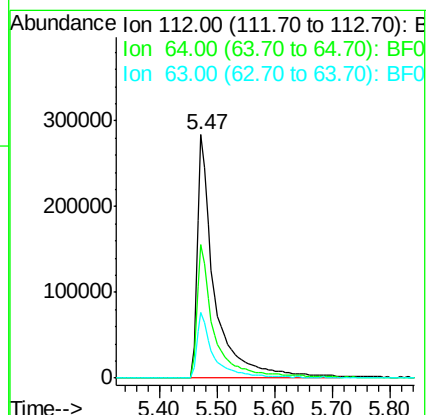
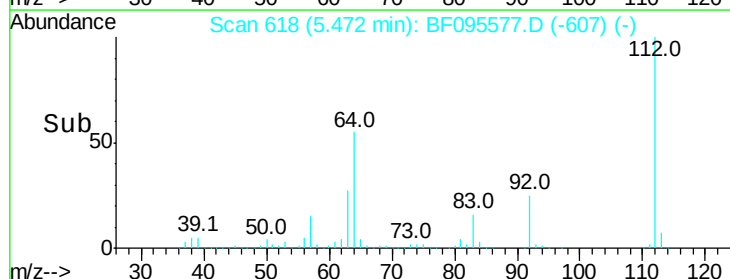
63 26.8 23.4 35.0

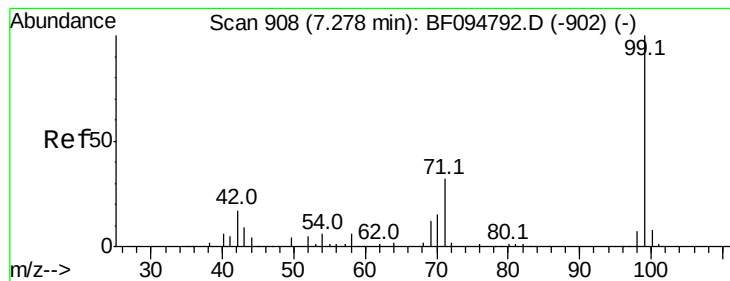


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 35.78 ng

RT: 7.11 min Scan# 896

Delta R.T. -0.19 min

Lab File: BF095577.D

Acq: 31 May 2017 22:16

Instrument :

BNA_F

ClientSampled :

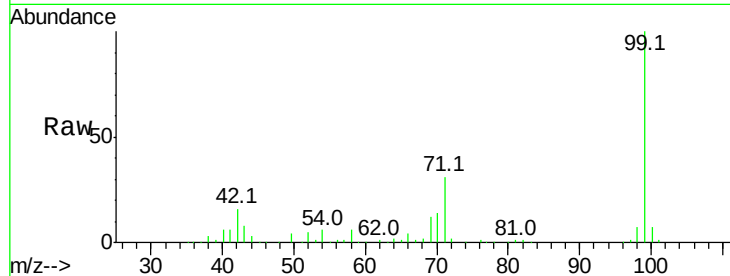
Tot Ion: 99 Resp: 751597

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

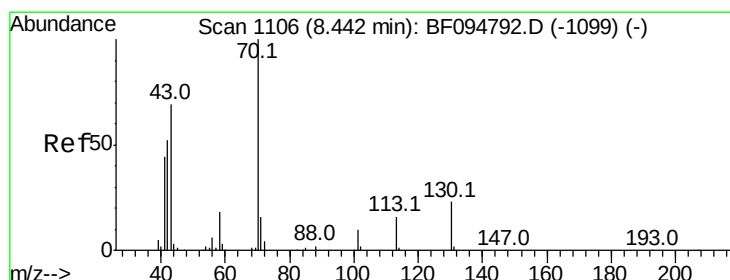
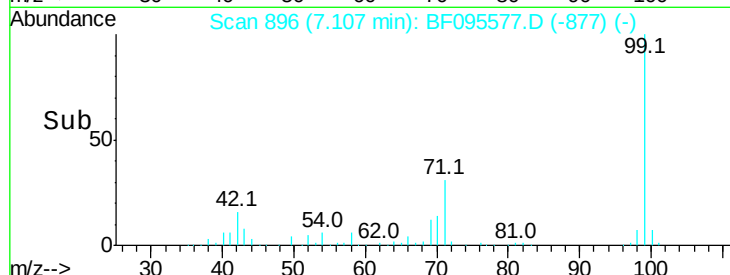
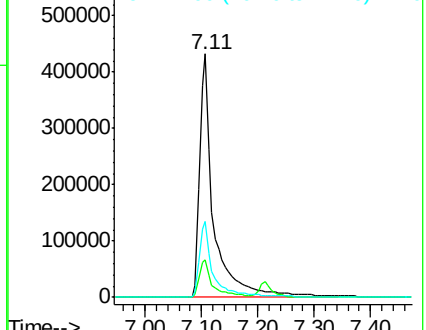
71 31.2 24.5 36.7



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: 4.13 ng

RT: 8.47 min Scan# 1127

Delta R.T. 0.01 min

Lab File: BF095577.D

Acq: 31 May 2017 22:16

Tgt Ion: 70 Resp: 58686

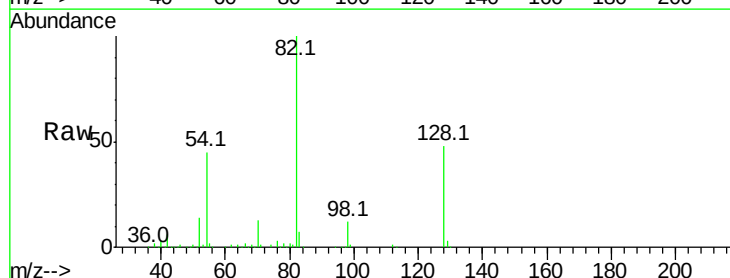
Ion Ratio Lower Upper

70 100

42 42.7 47.2 70.8#

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

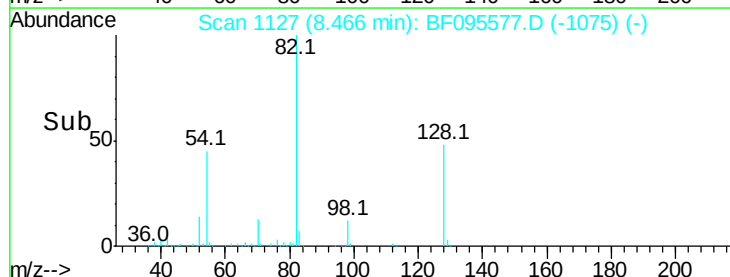
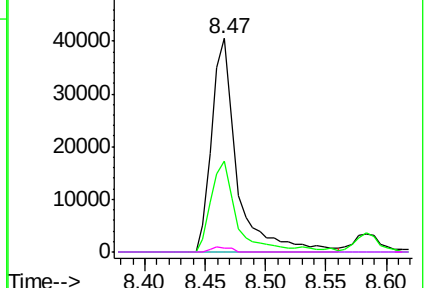


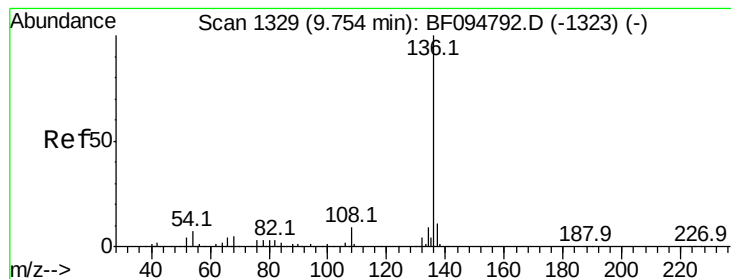
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.58 min Scan# 1317

Delta R.T. -0.18 min

Lab File: BF095577.D

Acq: 31 May 2017 22:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 436763

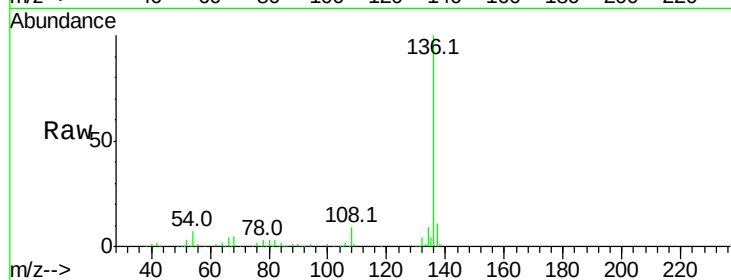
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.8 4.9 7.3

68 5.4 4.1 6.1

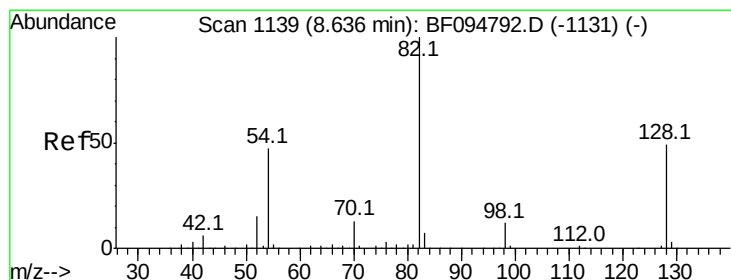
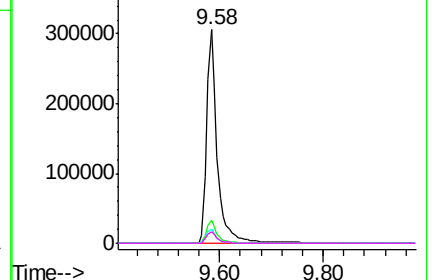
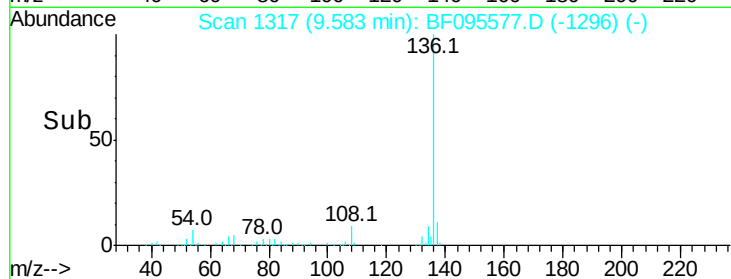


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.58 ng

RT: 8.47 min Scan# 1127

Delta R.T. -0.19 min

Lab File: BF095577.D

Acq: 31 May 2017 22:16

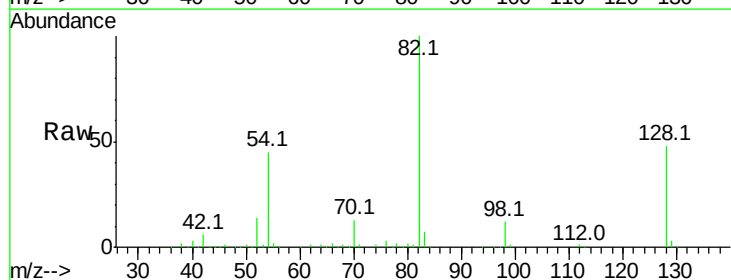
Tgt Ion: 82 Resp: 475020

Ion Ratio Lower Upper

82 100

128 48.1 34.0 51.0

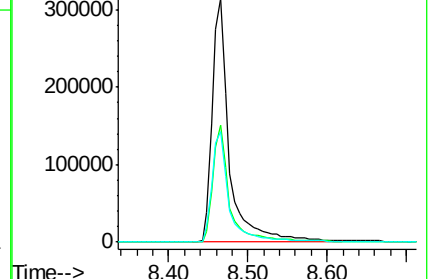
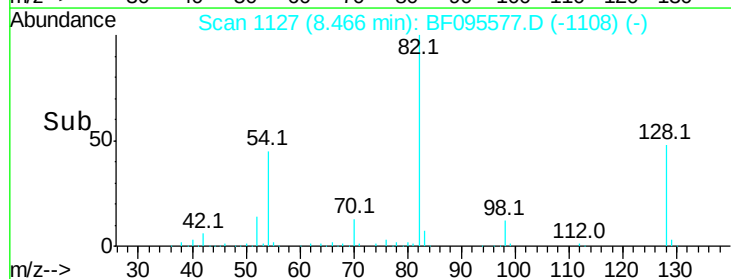
54 45.4 42.2 63.2

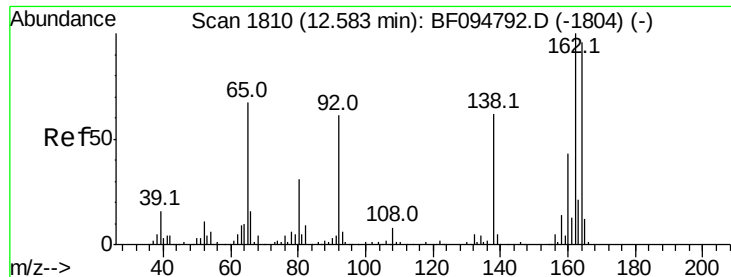


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.41 min Scan# 1797

Delta R.T. -0.19 min

Lab File: BF095577.D

Acq: 31 May 2017 22:16

Instrument :

BNA_F

ClientSampleId :

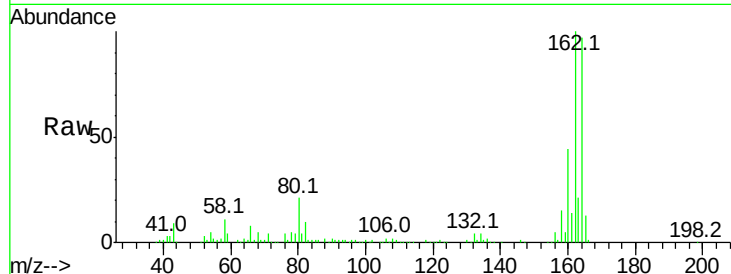
Tot Ion:164 Resp: 177387

Ion Ratio Lower Upper

164 100

162 102.7 82.6 123.8

160 45.5 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

12.41

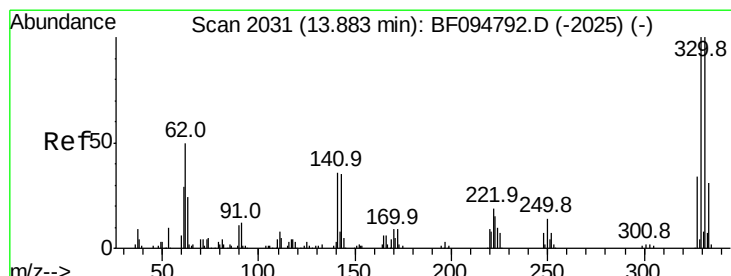
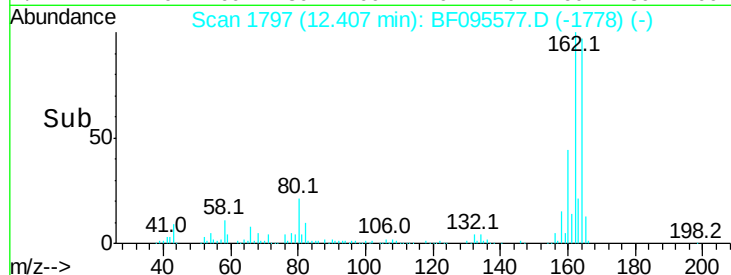
150000

100000

50000

0

Time-->



#41

2,4,6-Tribromophenol

Concen: 85.65 ng

RT: 13.71 min Scan# 2018

Delta R.T. -0.19 min

Lab File: BF095577.D

Acq: 31 May 2017 22:16

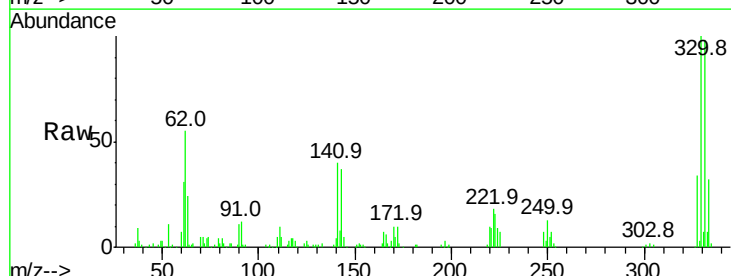
Tgt Ion:330 Resp: 124432

Ion Ratio Lower Upper

330 100

332 96.0 76.6 115.0

141 40.5 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

13.71

120000

100000

80000

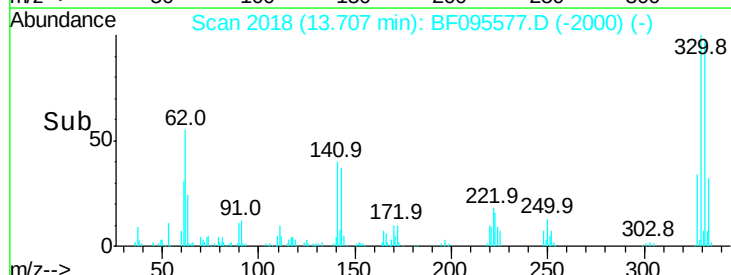
60000

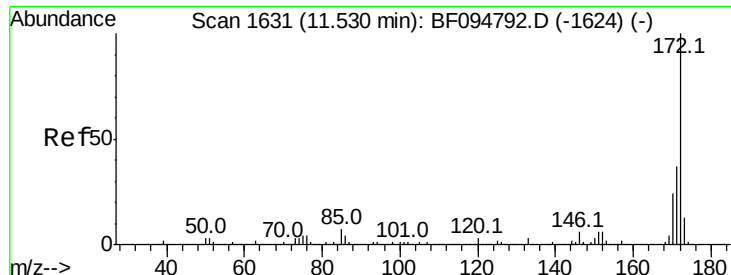
40000

20000

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Time-->



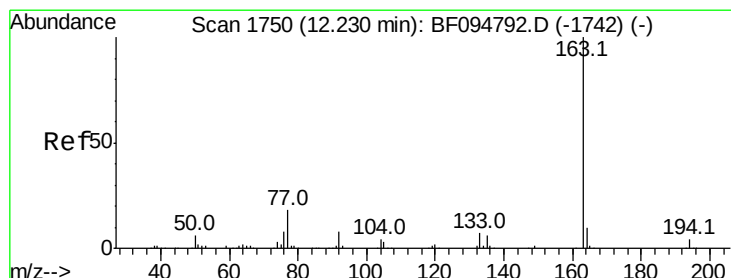
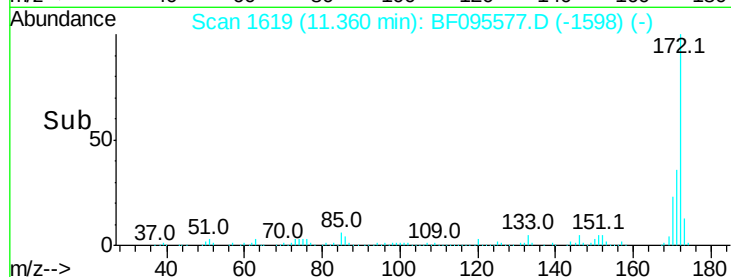
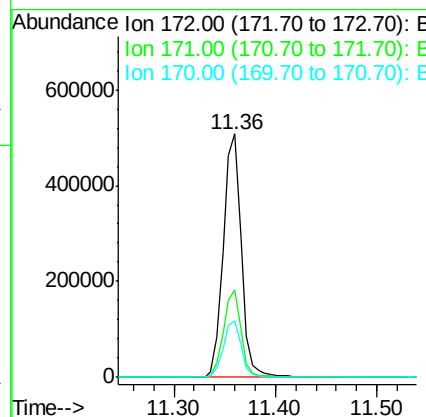
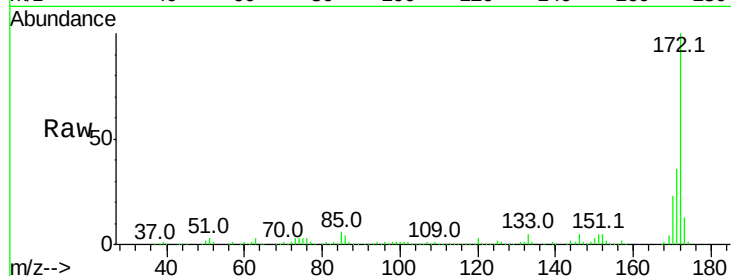


#44
 2-Fluorobiphenyl
 Concen: 50.92 ng
 RT: 11.36 min Scan# 1619
 Delta R.T. -0.18 min
 Lab File: BF095577.D
 Acq: 31 May 2017 22:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 627534

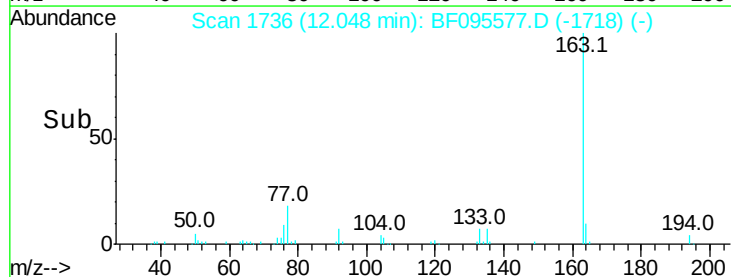
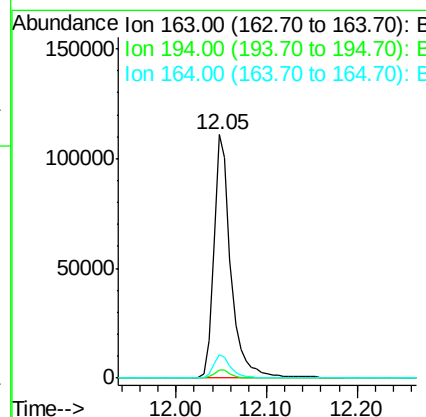
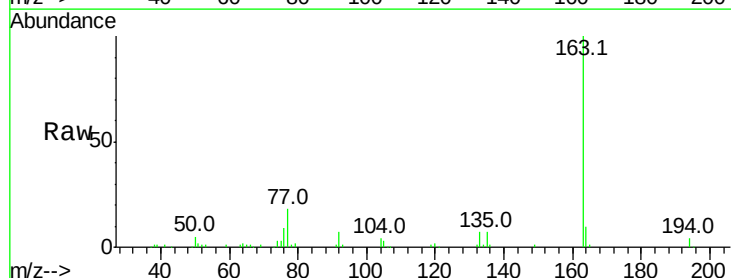
Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.3	19.8	29.8

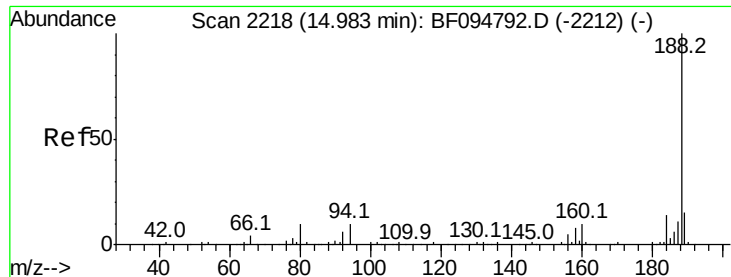


#49
 Dimethylphthalate
 Concen: 10.03 ng
 RT: 12.05 min Scan# 1736
 Delta R.T. -0.19 min
 Lab File: BF095577.D
 Acq: 31 May 2017 22:16

Tgt Ion:163 Resp: 146007

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.7	8.4	12.6

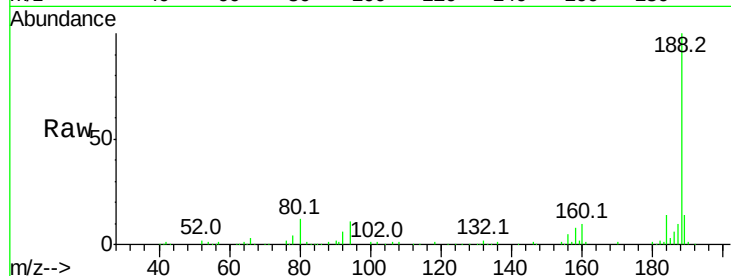




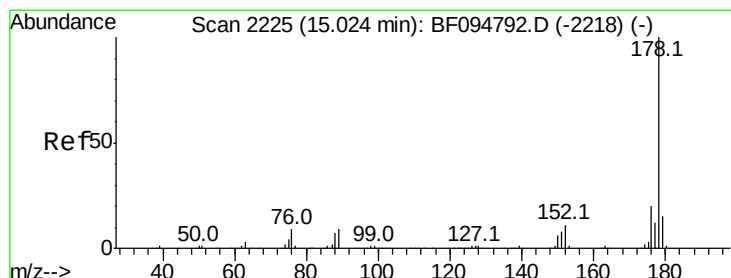
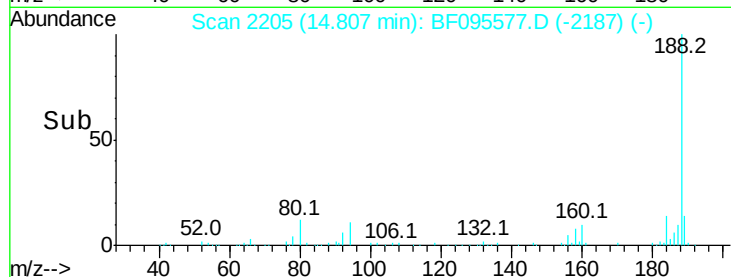
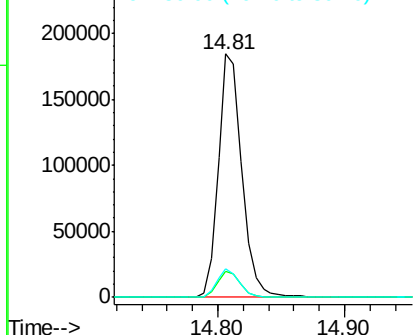
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.81 min Scan# 2205
Delta R.T. -0.19 min
Lab File: BF095577.D
Acq: 31 May 2017 22:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 239454
Ion Ratio Lower Upper
188 100
94 10.6 9.4 14.2
80 11.9 10.2 15.2

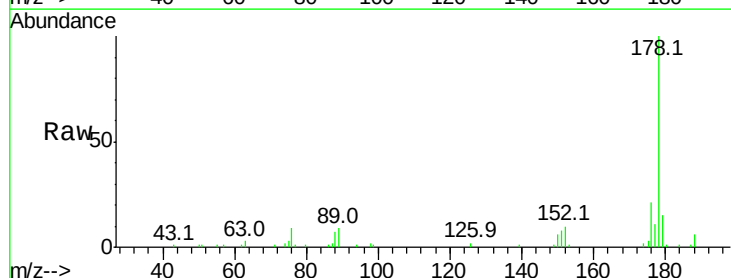


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

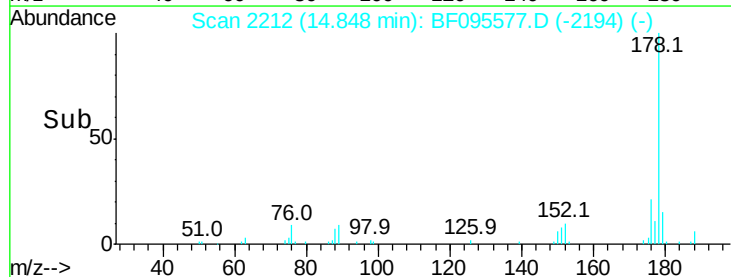
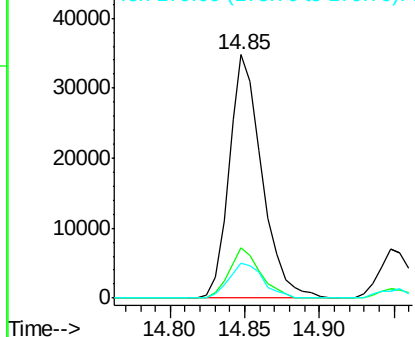


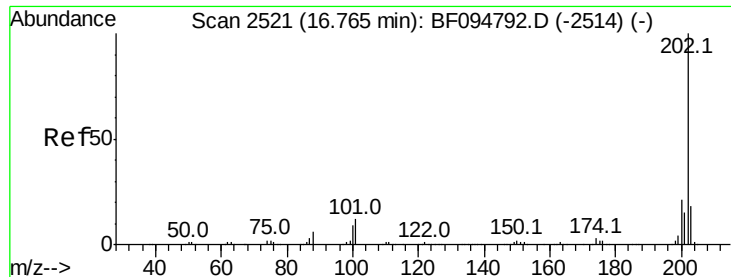
#70
Phenanthrene
Concen: 3.86 ng
RT: 14.85 min Scan# 2212
Delta R.T. -0.19 min
Lab File: BF095577.D
Acq: 31 May 2017 22:16

Tgt Ion:178 Resp: 53135
Ion Ratio Lower Upper
178 100
176 20.9 16.2 24.4
179 14.5 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

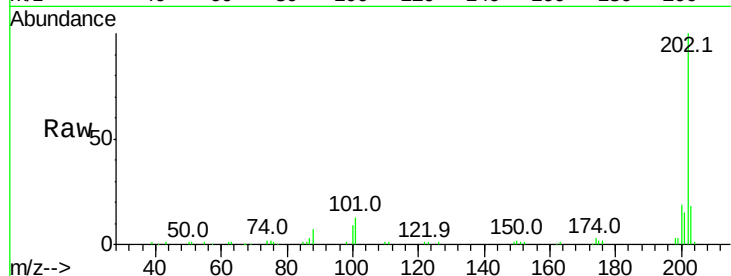




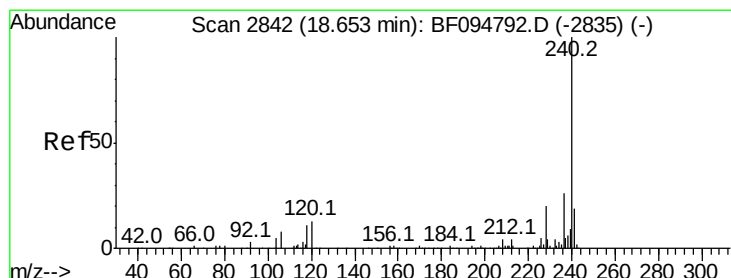
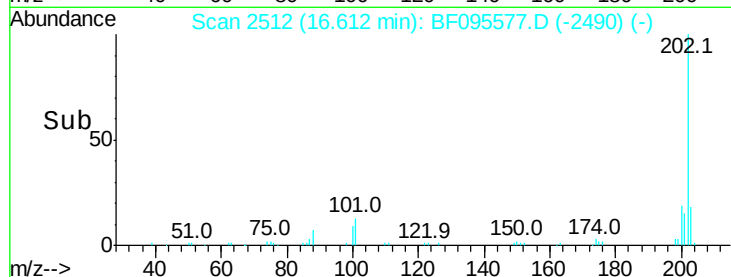
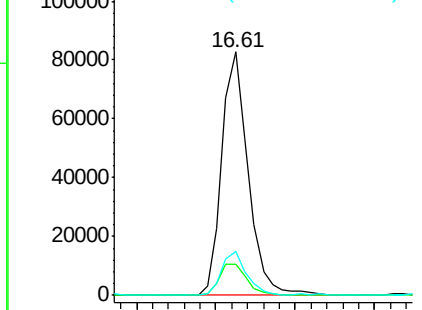
#74
 Fluoranthene
 Concen: 6.77 ng
 RT: 16.61 min Scan# 2512
 Delta R.T. -0.17 min
 Lab File: BF095577.D
 Acq: 31 May 2017 22:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 95597
 Ion Ratio Lower Upper
 202 100
 101 12.8 0.0 33.2
 203 17.9 0.0 38.1

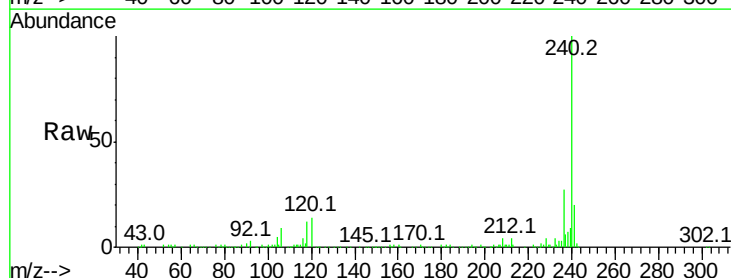


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

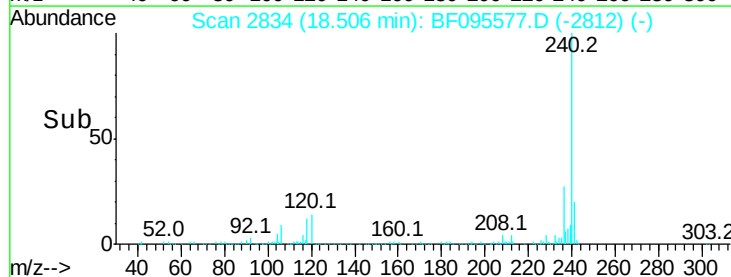
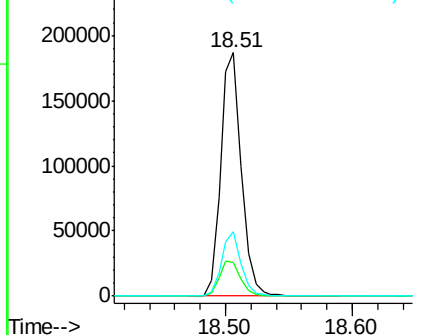


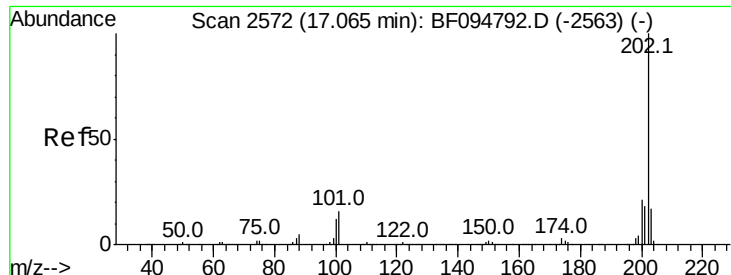
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.51 min Scan# 2834
 Delta R.T. -0.17 min
 Lab File: BF095577.D
 Acq: 31 May 2017 22:16

Tgt Ion:240 Resp: 211463
 Ion Ratio Lower Upper
 240 100
 120 14.0 5.8 8.8#
 236 26.7 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

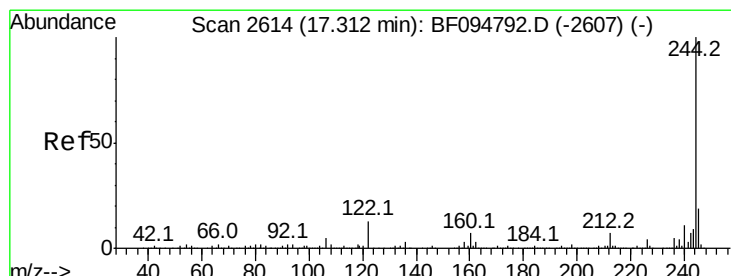
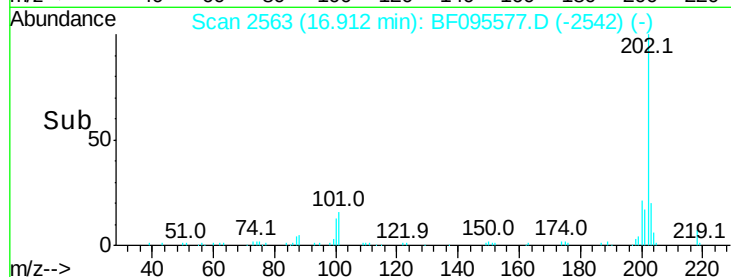
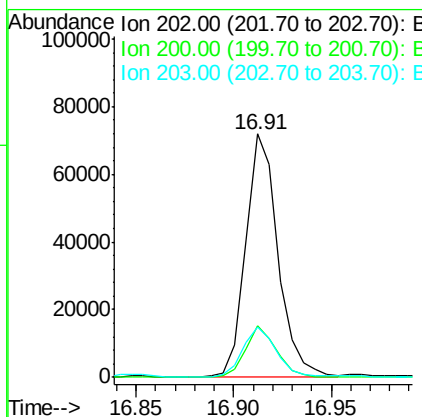
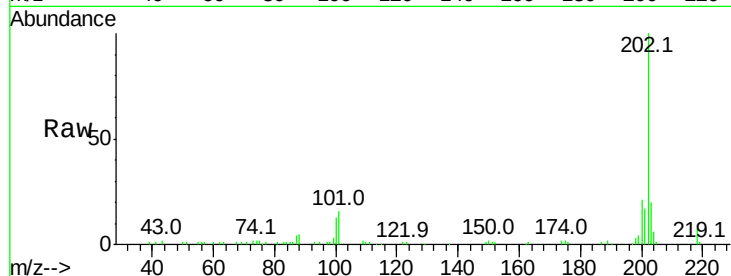




#77
Pvrene
Concen: 5.21 ng
RT: 16.91 min Scan# 2563
Delta R.T. -0.18 min
Lab File: BF095577.D
Acq: 31 May 2017 22:16

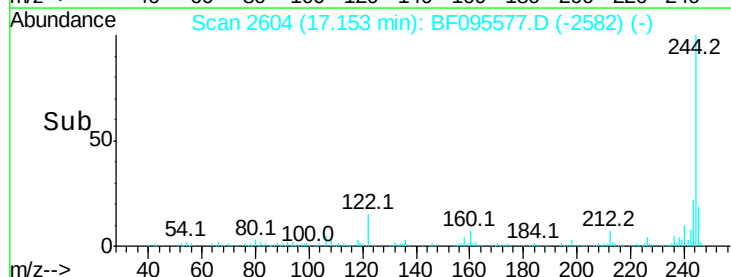
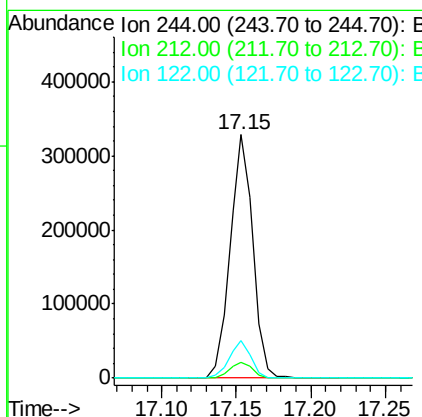
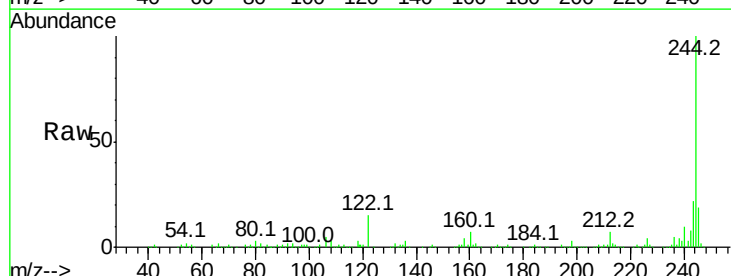
Instrument :
BNA_F
ClientSampleId :

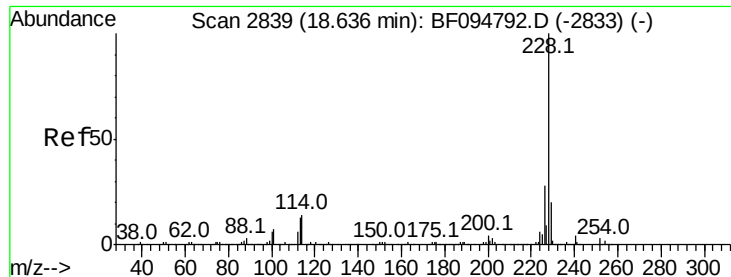
Tot Ion:202 Resp: 82398
Ion Ratio Lower Upper
202 100
200 21.1 17.6 26.4
203 20.4 14.4 21.6



#78
Terphenyl-d14
Concen: 36.49 ng
RT: 17.15 min Scan# 2604
Delta R.T. -0.17 min
Lab File: BF095577.D
Acq: 31 May 2017 22:16

Tgt Ion:244 Resp: 350344
Ion Ratio Lower Upper
244 100
212 6.5 6.0 9.0
122 15.3 10.3 15.5





#80

Benzo(a)anthracene

Concen: 3.21 ng

RT: 18.49 min Scan# 2832

Delta R.T. -0.17 min

Lab File: BF095577.D

Acq: 31 May 2017 22:16

Instrument :

BNA_F

ClientSampleId :

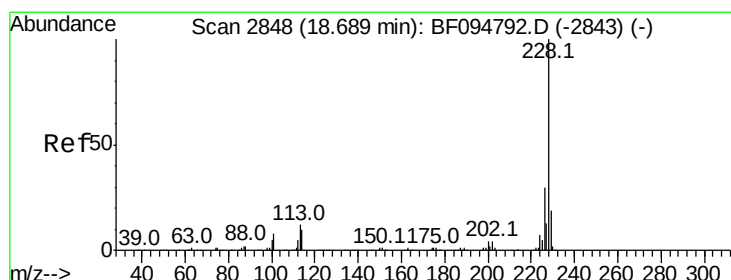
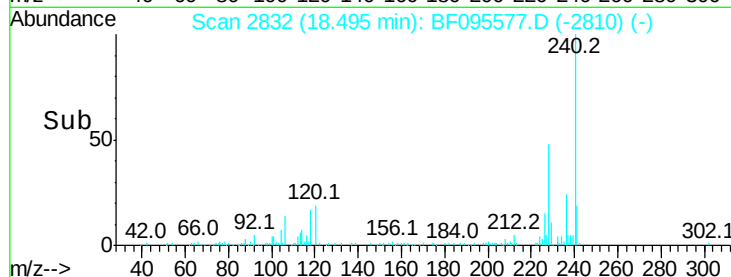
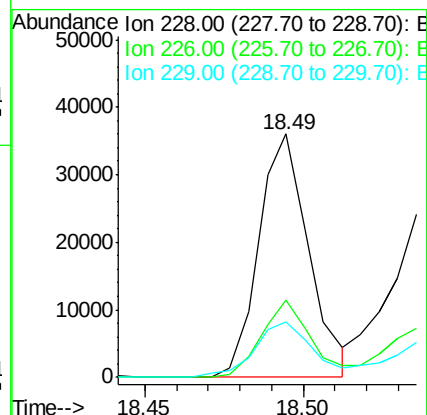
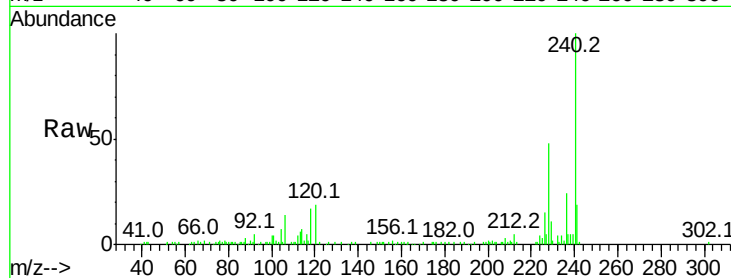
Tot Ion:228 Resp: 39468

Ion Ratio Lower Upper

228 100

226 31.5 22.6 33.8

229 22.5 16.3 24.5



#82

Chrysene

Concen: 3.45 ng

RT: 18.54 min Scan# 2840

Delta R.T. -0.17 min

Lab File: BF095577.D

Acq: 31 May 2017 22:16

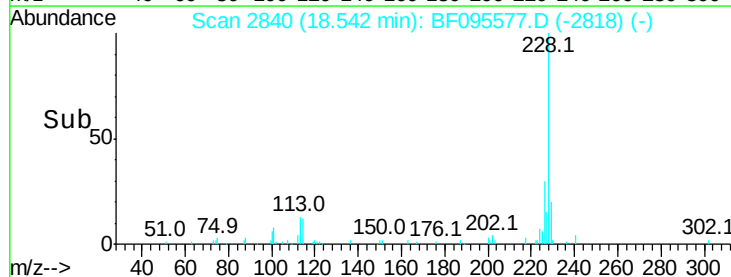
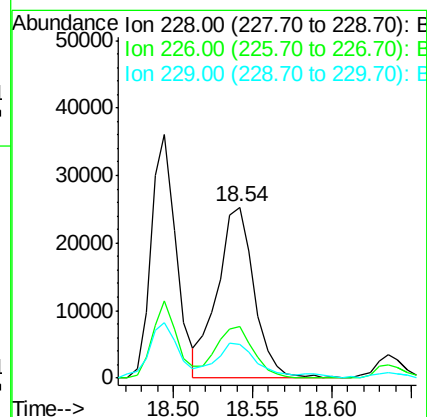
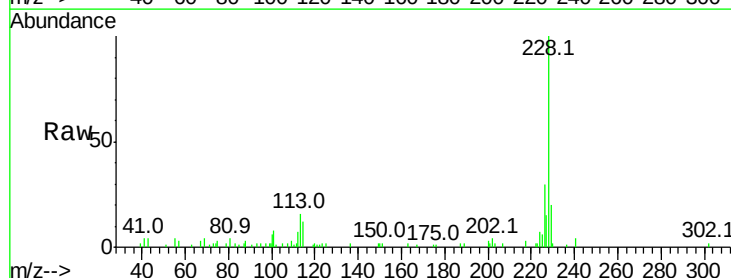
Tgt Ion:228 Resp: 41011

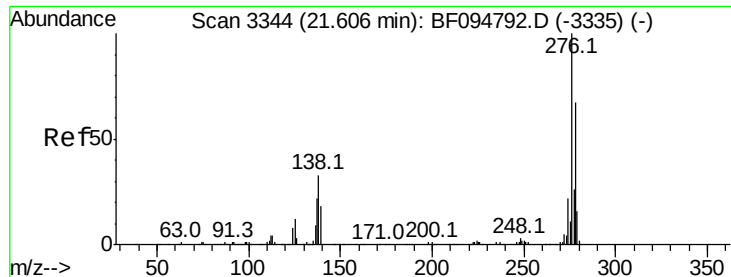
Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

229 20.0 15.8 23.6

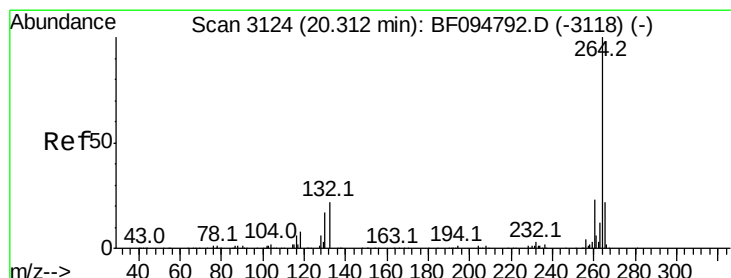
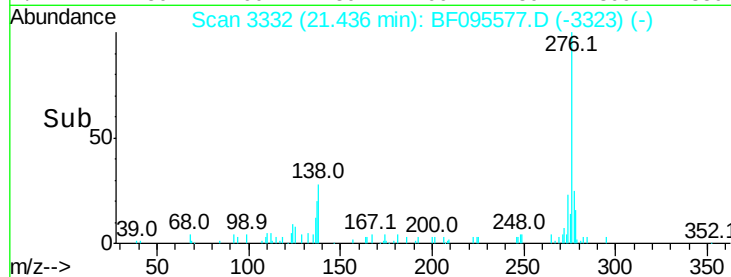
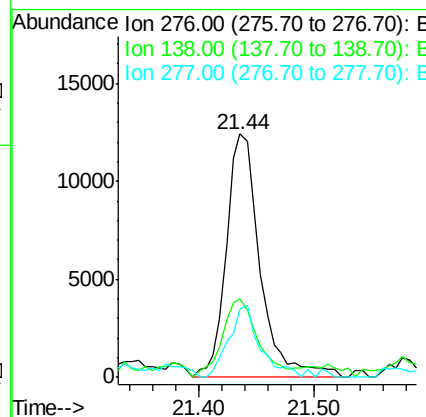
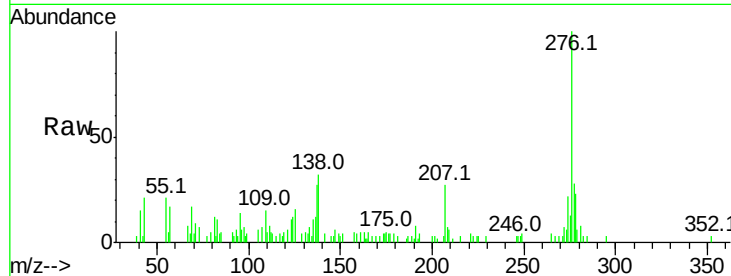




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.61 ng
RT: 21.44 min Scan# 3332
Delta R.T. -0.25 min
Lab File: BF095577.D
Acq: 31 May 2017 22:16

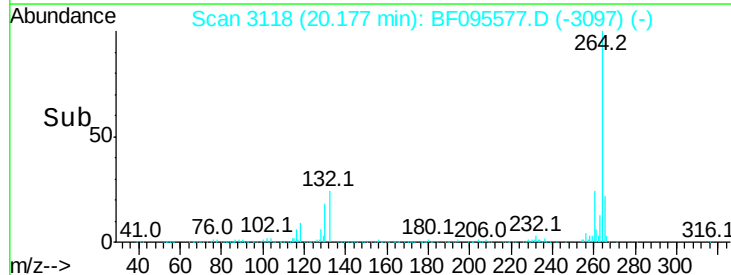
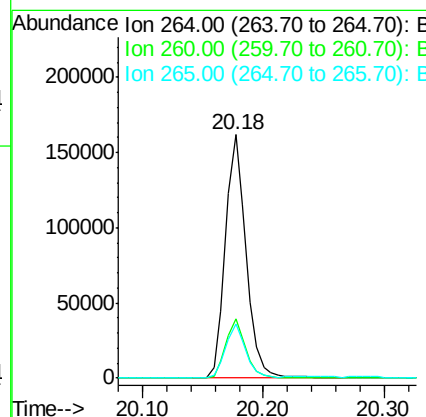
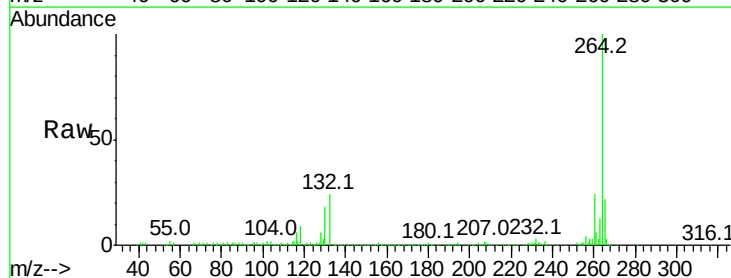
Instrument :
BNA_F
ClientSampleId :

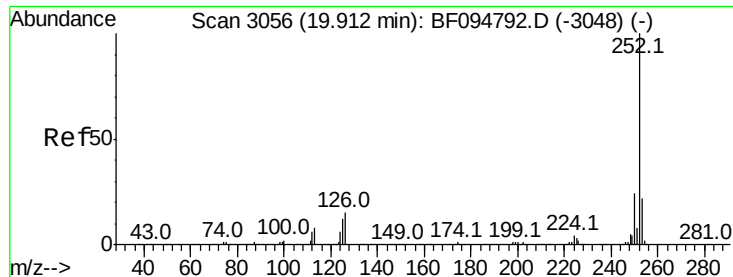
Tot Ion:276 Resp: 25248
Ion Ratio Lower Upper
276 100
138 33.8 27.8 41.6
277 26.7 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.18 min Scan# 3118
Delta R.T. -0.18 min
Lab File: BF095577.D
Acq: 31 May 2017 22:16

Tgt Ion:264 Resp: 191427
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 22.2 17.2 25.8

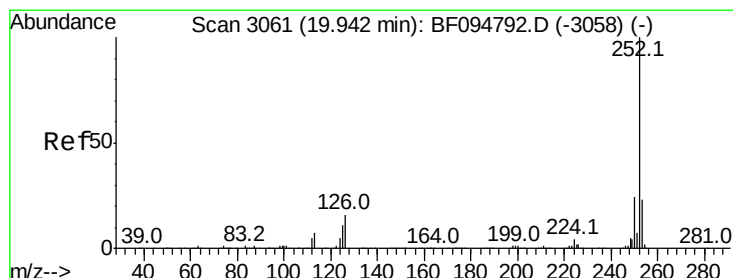
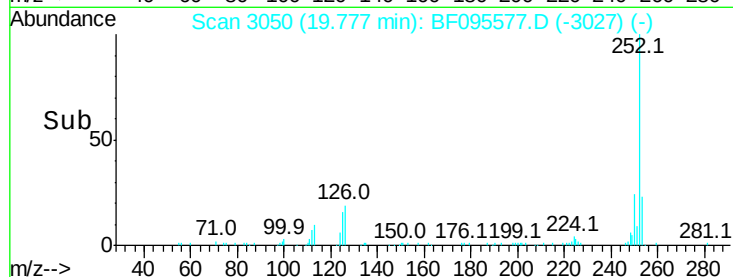
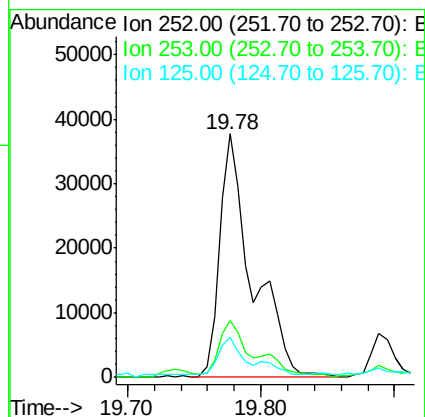
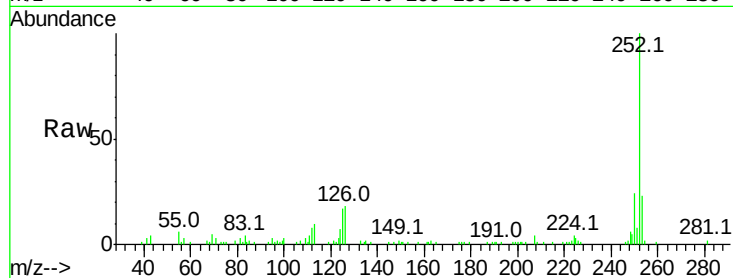




#87
Benzo(b)fluoranthene
Concen: 5.46 ng
RT: 19.78 min Scan# 3050
Delta R.T. -0.16 min
Lab File: BF095577.D
Acq: 31 May 2017 22:16

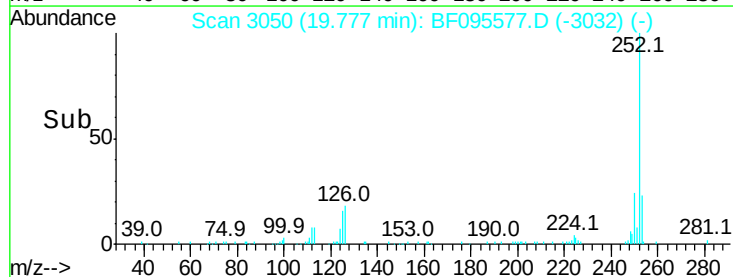
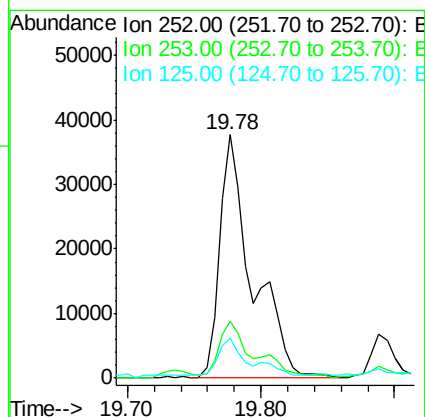
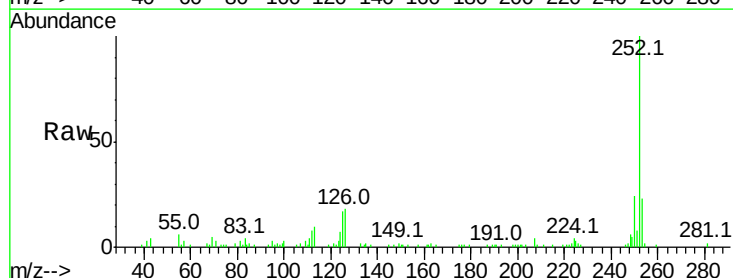
Instrument :
BNA_F
ClientSampleId :

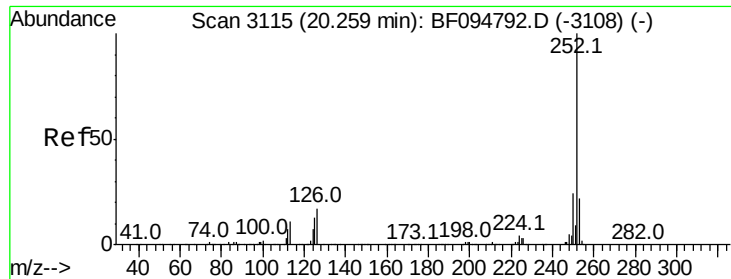
Tot Ion:252 Resp: 64569
Ion Ratio Lower Upper
252 100
253 23.3 18.1 27.1
125 16.6 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 5.66 ng
RT: 19.78 min Scan# 3050
Delta R.T. -0.19 min
Lab File: BF095577.D
Acq: 31 May 2017 22:16

Tgt Ion:252 Resp: 64569
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 16.6 13.1 19.7





#89

Benzo(a)pyrene

Concen: 3.44 ng

RT: 20.12 min Scan# 3109

Delta R.T. -0.18 min

Lab File: BF095577.D

Acq: 31 May 2017 22:16

Instrument :

BNA_F

ClientSampleId :

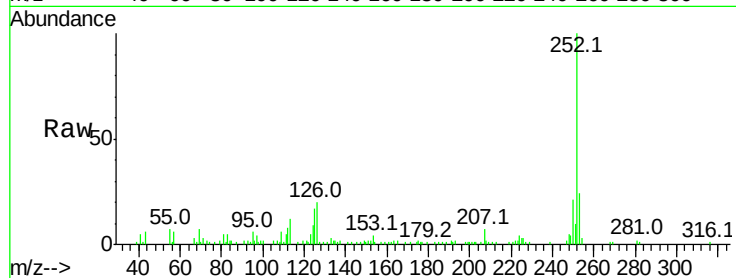
Tot Ion:252 Resp: 37589

Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

125 17.3 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

