

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
 Data File : BF095644.D
 Acq On : 2 Jun 2017 20:36
 Operator : SJ/MA
 Sample : I3441-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 03 01:33:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 18:51:16 2017
 Response via : Initial Calibration

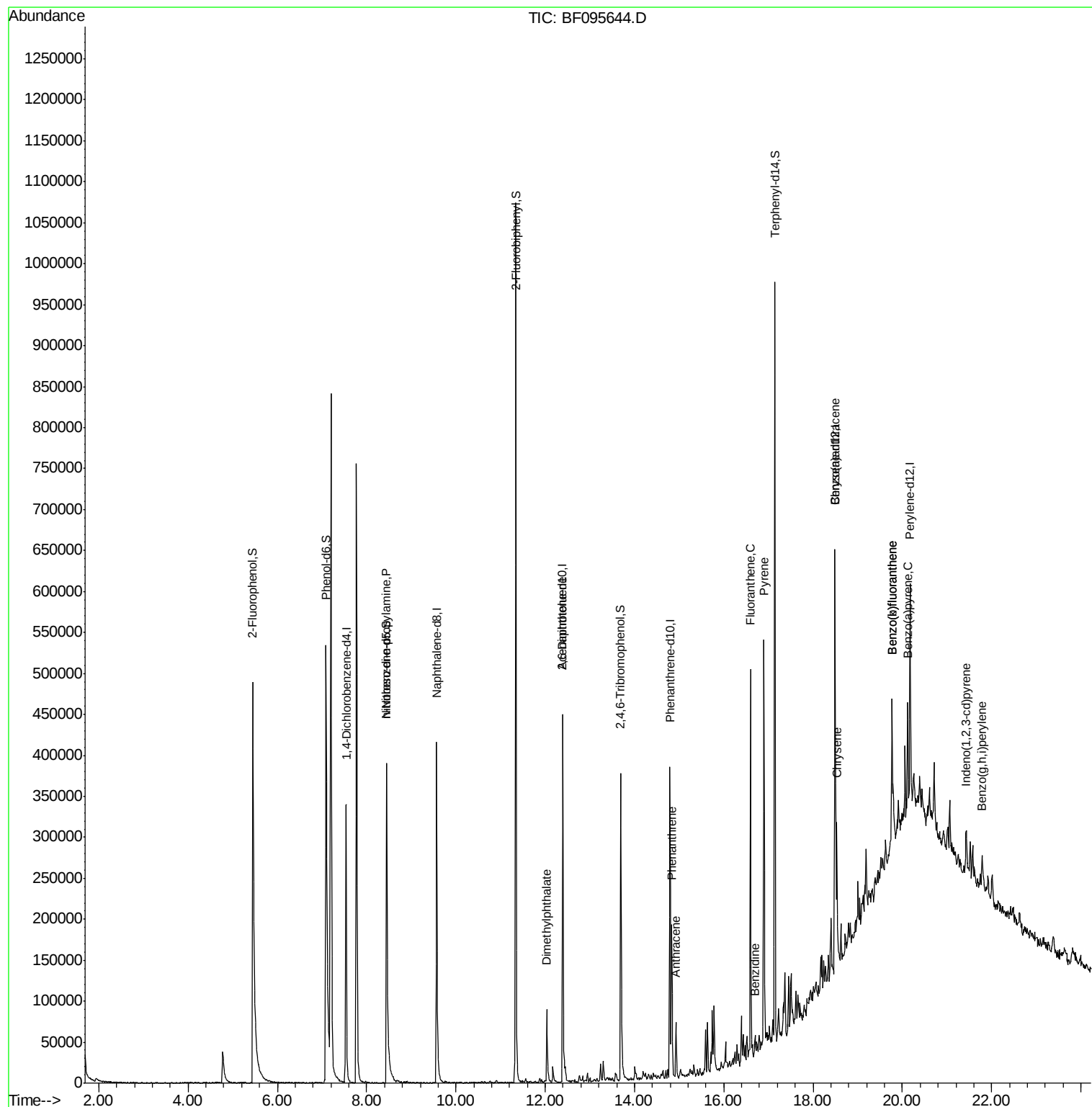
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	84825	20.00	ng	0.00
21) Naphthalene-d8	9.57	136	324161	20.00	ng	0.00
38) Acenaphthene-d10	12.39	164	125460	20.00	ng	0.00
63) Phenanthrene-d10	14.80	188	191505	20.00	ng	0.00
75) Chrysene-d12	18.50	240	169928	20.00	ng	0.00
86) Perylene-d12	20.17	264	116383	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	401205	78.86	ng	0.00
7) Phenol-d6	7.09	99	483506	79.20	ng	-0.01
23) Nitrobenzene-d5	8.45	82	270328	52.59	ng	-0.02
41) 2,4,6-Tribromophenol	13.69	330	69180	67.33	ng	0.00
44) 2-Fluorobiphenyl	11.35	172	488521	56.05	ng	0.00
78) Terphenyl-d14	17.14	244	328950	42.64	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.45	70	32376	7.84	ng	# 74
49) Dimethylphthalate	12.04	163	60783	5.90	ng	99
50) 2,6-Dinitrotoluene	12.39	165	15845	7.54	ng	# 31
70) Phenanthrene	14.83	178	114261	10.38	ng	99
71) Anthracene	14.93	178	41095	3.66	ng	97
74) Fluoranthene	16.60	202	236529	20.96	ng	99
76) Benzidine	16.71	184	108	6.61	ng	# 62
77) Pyrene	16.90	202	215697	16.97	ng	95
80) Benzo(a)anthracene	18.49	228	93465	9.45	ng	96
82) Chrysene	18.53	228	89761	9.39	ng	96
85) Indeno(1,2,3-cd)pyrene	21.43	276	30923	3.98	ng	98
87) Benzo(b)fluoranthene	19.77	252	122527	17.04	ng	# 95
88) Benzo(k)fluoranthene	19.77	252	122527	17.66	ng	98
89) Benzo(a)pyrene	20.12	252	58976	8.89	ng	# 92
91) Benzo(a,h,i)perylene	21.79	276	28951	5.38	ng	93

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.54 min Scan# 995

Delta R.T. -0.00 min

Lab File: BF095644.D

Acq: 2 Jun 2017 20:36

Instrument :

BNA_F

ClientSampleId :

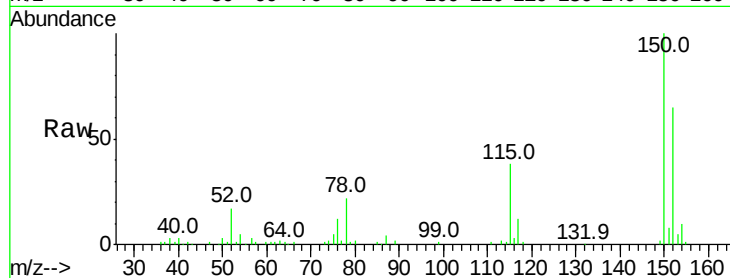
Tot Ion:152 Resp: 84825

Ion Ratio Lower Upper

152 100

150 154.6 126.2 189.2

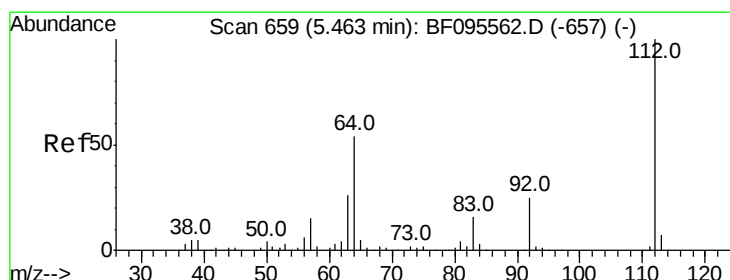
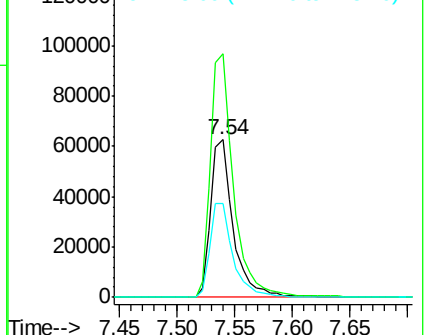
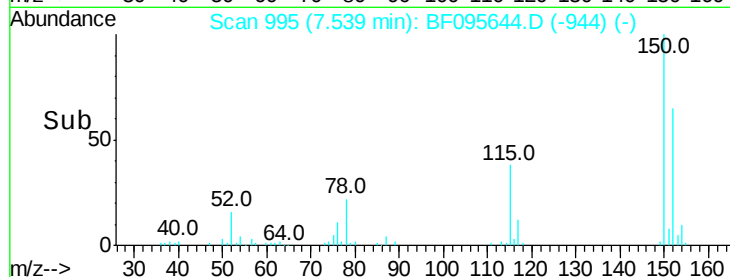
115 59.3 52.2 78.2



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: 78.86 ng

RT: 5.45 min Scan# 640

Delta R.T. 0.01 min

Lab File: BF095644.D

Acq: 2 Jun 2017 20:36

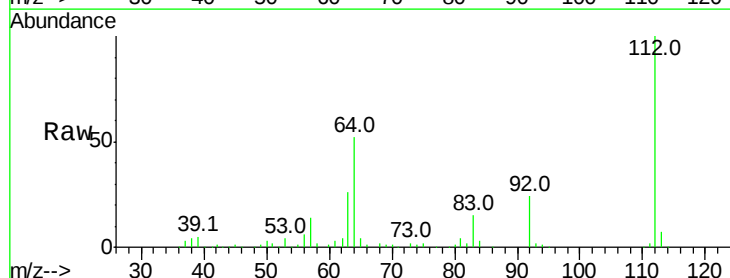
Tgt Ion:112 Resp: 401205

Ion Ratio Lower Upper

112 100

64 52.0 46.0 69.0

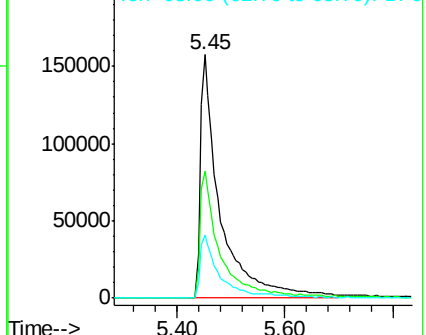
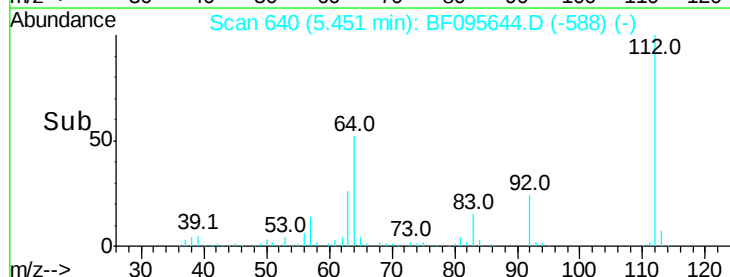
63 26.0 23.4 35.0

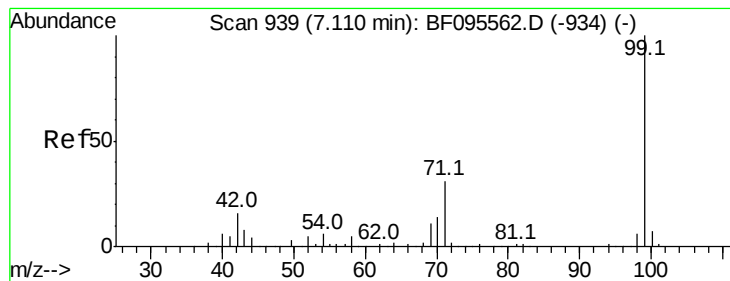


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 79.20 ng

RT: 7.09 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF095644.D

Acq: 2 Jun 2017 20:36

Instrument :

BNA_F

ClientSampled :

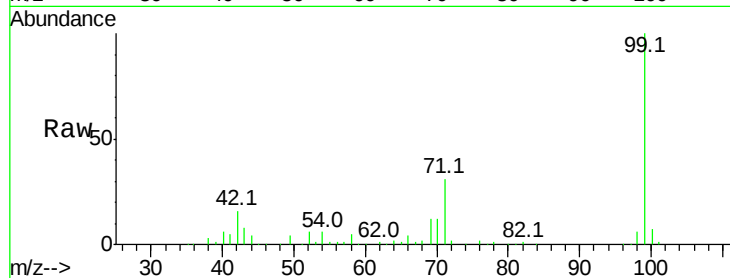
Tot Ion: 99 Resp: 483506

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

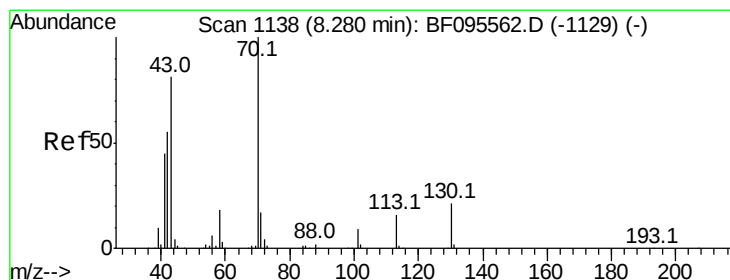
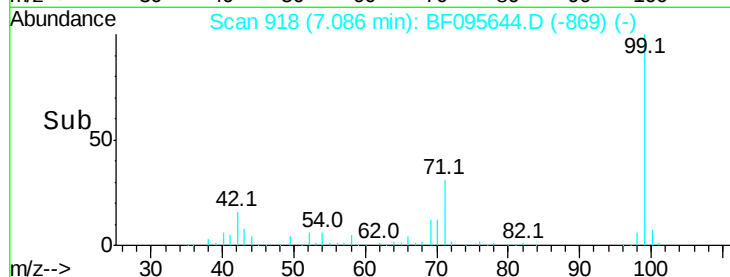
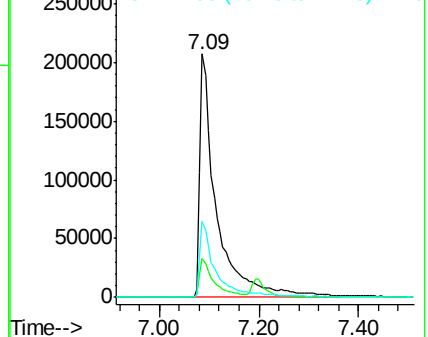
71 31.3 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 7.84 ng

RT: 8.45 min Scan# 1149

Delta R.T. 0.18 min

Lab File: BF095644.D

Acq: 2 Jun 2017 20:36

Tgt Ion: 70 Resp: 32376

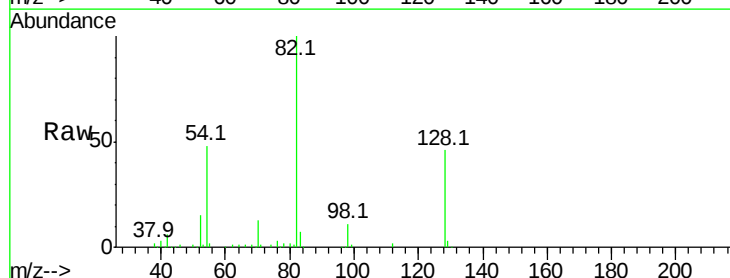
Ion Ratio Lower Upper

70 100

42 42.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

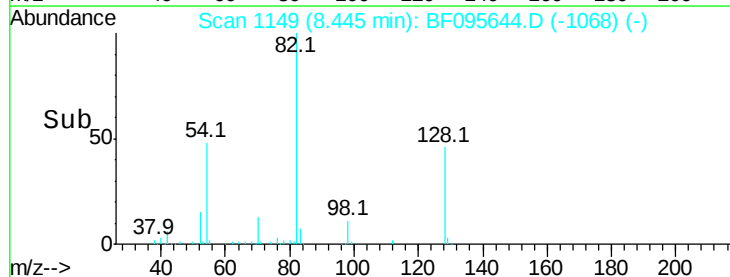
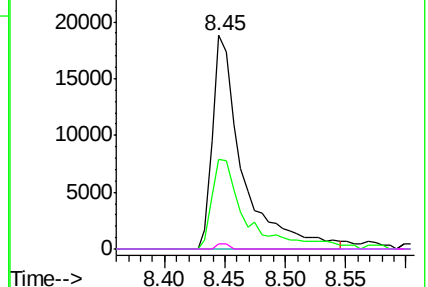


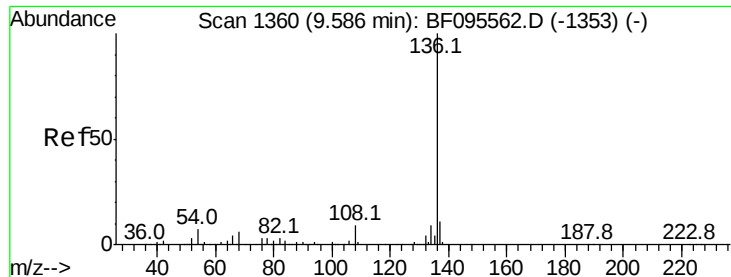
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.57 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF095644.D

Acq: 2 Jun 2017 20:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 324161

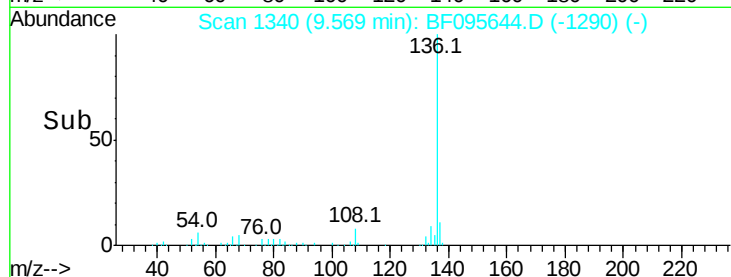
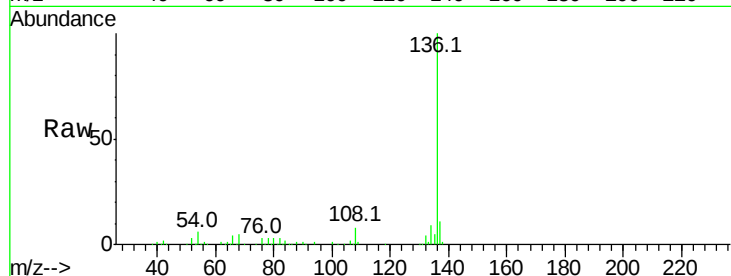
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 6.4 4.9 7.3

68 5.3 4.1 6.1

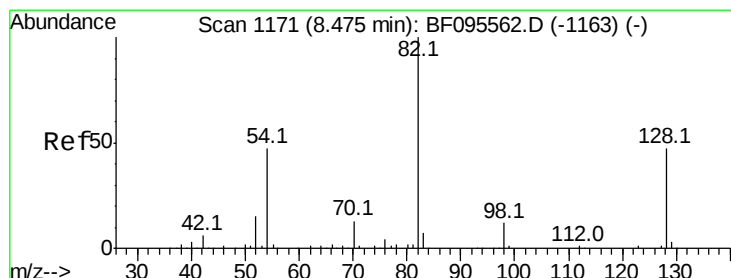
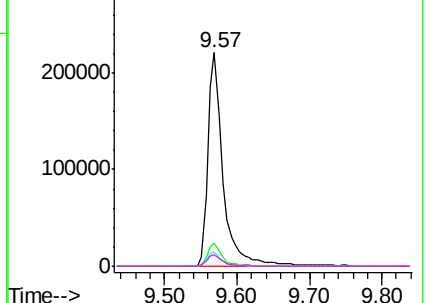


Abundance Ion 136.00 (135.70 to 136.70): E

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: 52.59 ng

RT: 8.45 min Scan# 1149

Delta R.T. -0.02 min

Lab File: BF095644.D

Acq: 2 Jun 2017 20:36

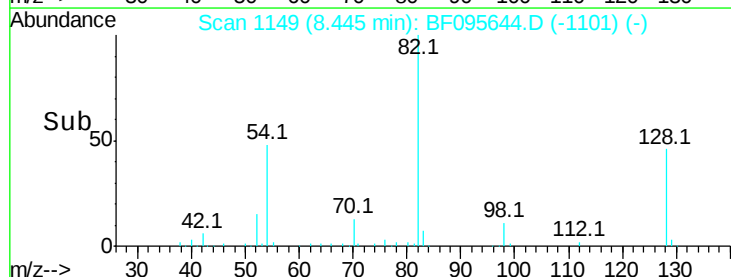
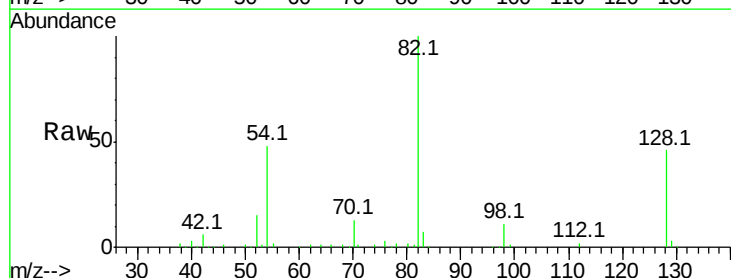
Tgt Ion: 82 Resp: 270328

Ion Ratio Lower Upper

82 100

128 46.2 34.0 51.0

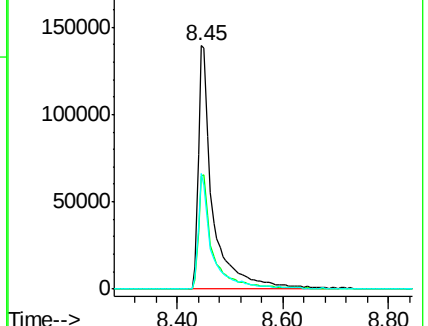
54 47.7 42.2 63.2

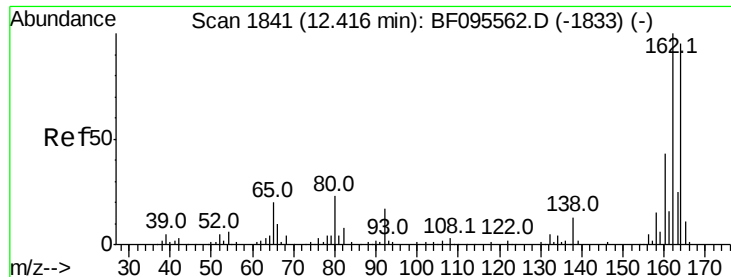


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

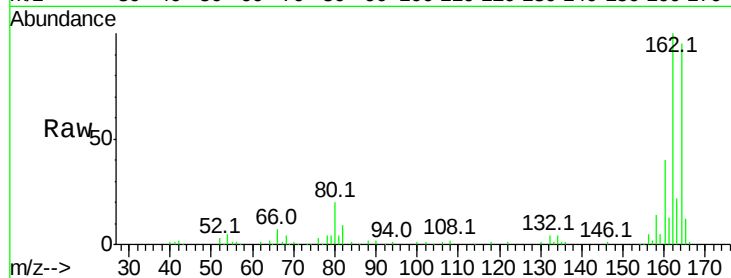




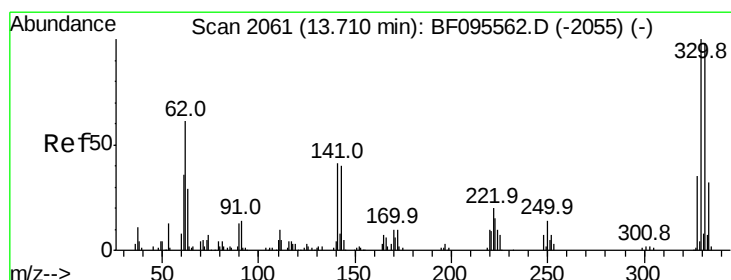
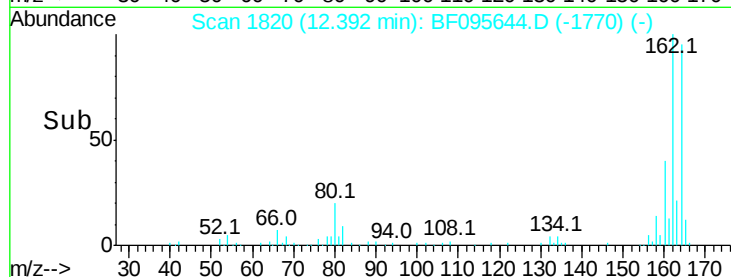
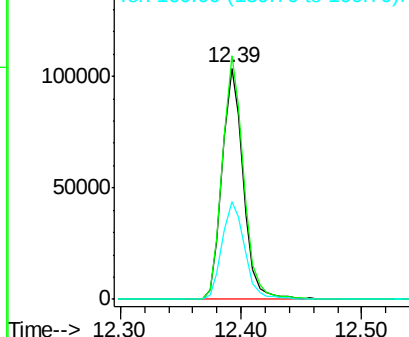
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.39 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF095644.D
Acq: 2 Jun 2017 20:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 125460
Ion Ratio Lower Upper
164 100
162 105.4 82.6 123.8
160 42.3 36.2 54.2

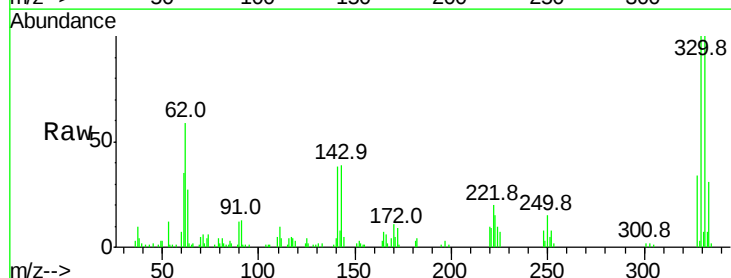


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

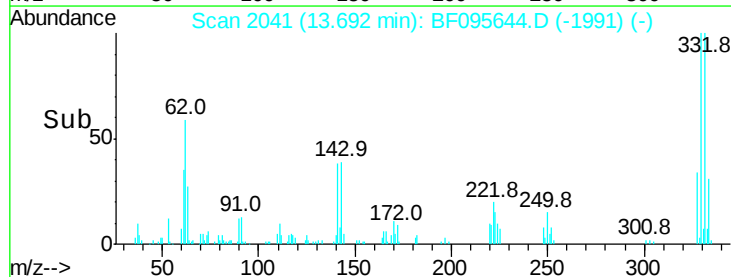
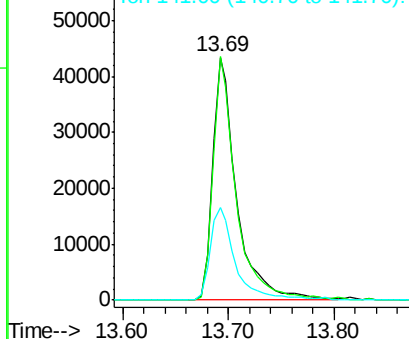


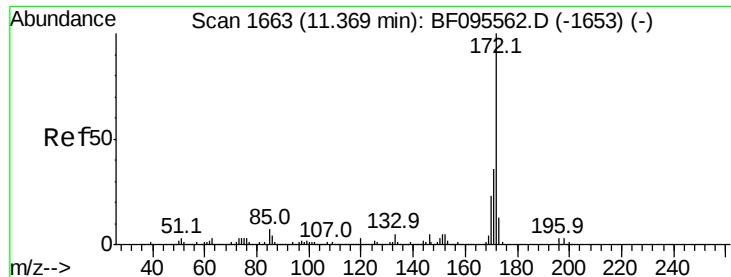
#41
2,4,6-Tribromophenol
Concen: 67.33 ng
RT: 13.69 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF095644.D
Acq: 2 Jun 2017 20:36

Tgt Ion:330 Resp: 69180
Ion Ratio Lower Upper
330 100
332 95.8 76.6 115.0
141 40.2 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

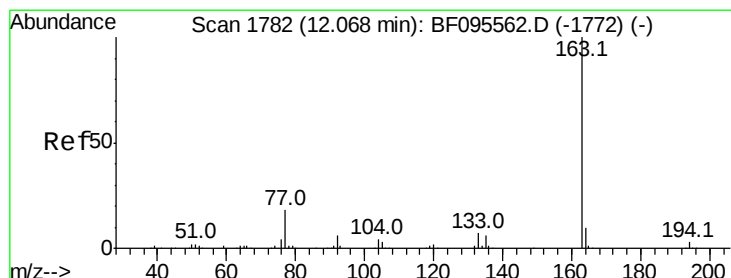
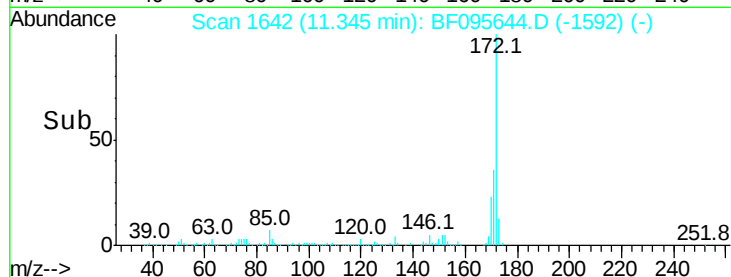
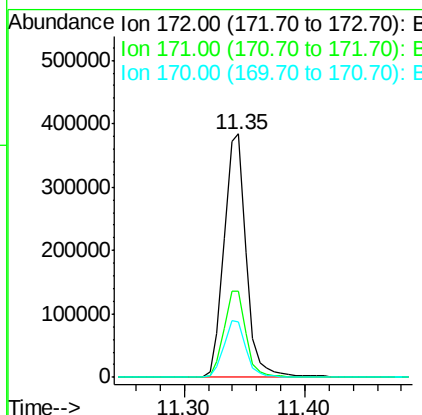
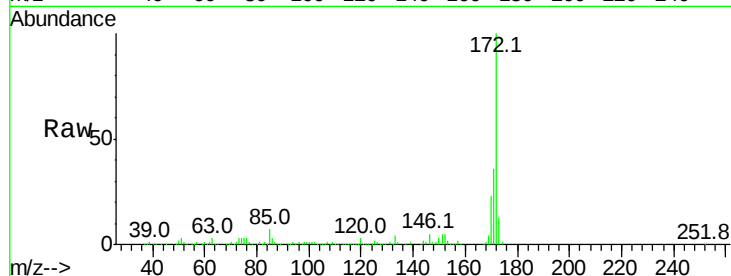




#44
2-Fluorobiphenyl
Concen: 56.05 ng
RT: 11.35 min Scan# 1642
Delta R.T. -0.01 min
Lab File: BF095644.D
Acq: 2 Jun 2017 20:36

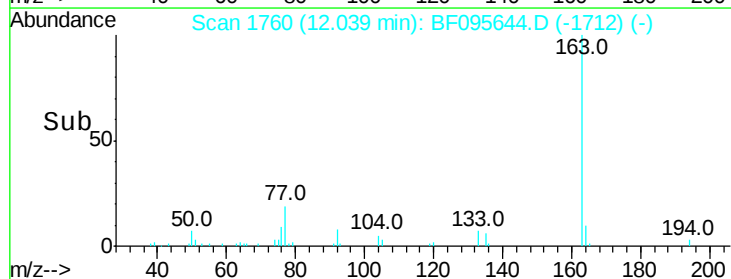
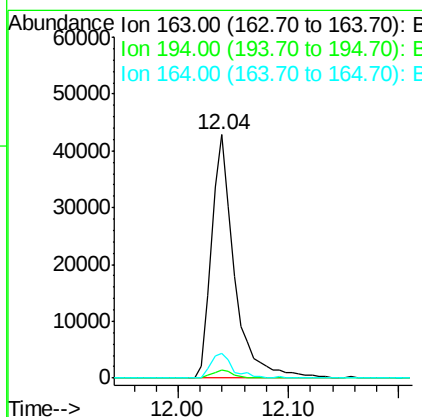
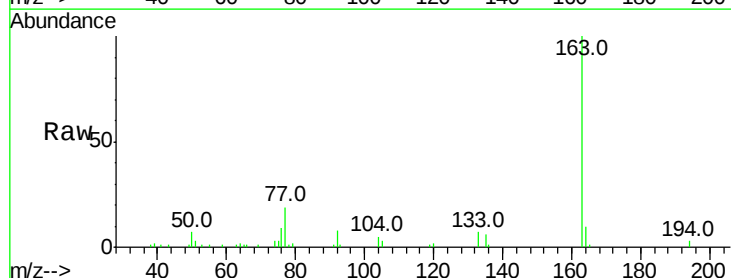
Instrument :
BNA_F
ClientSampled :

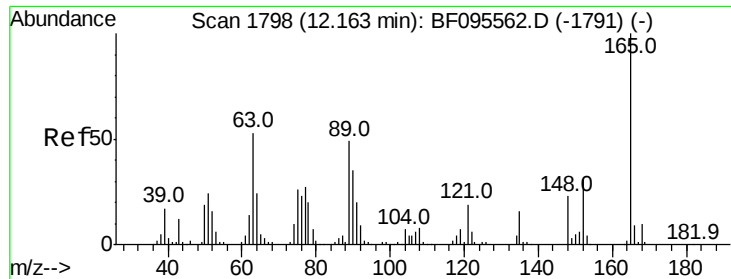
Tot Ion:172 Resp: 488521
Ion Ratio Lower Upper
172 100
171 35.6 29.6 44.4
170 22.8 19.8 29.8



#49
Dimethylphthalate
Concen: 5.90 ng
RT: 12.04 min Scan# 1760
Delta R.T. -0.02 min
Lab File: BF095644.D
Acq: 2 Jun 2017 20:36

Tgt Ion:163 Resp: 60783
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.0 8.4 12.6

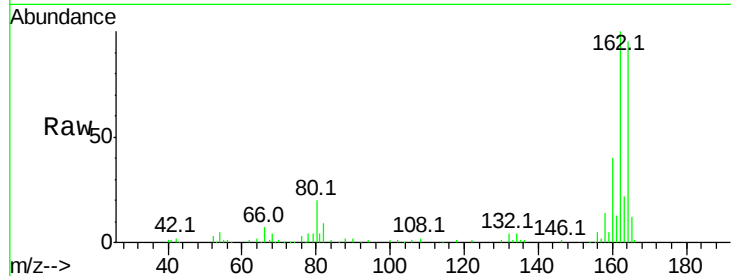




#50
 2,6-Dinitrotoluene
 Concen: 7.54 ng
 RT: 12.39 min Scan# 1820
 Delta R.T. 0.24 min
 Lab File: BF095644.D
 Acq: 2 Jun 2017 20:36

Instrument :
 BNA_F
 ClientSampleId :

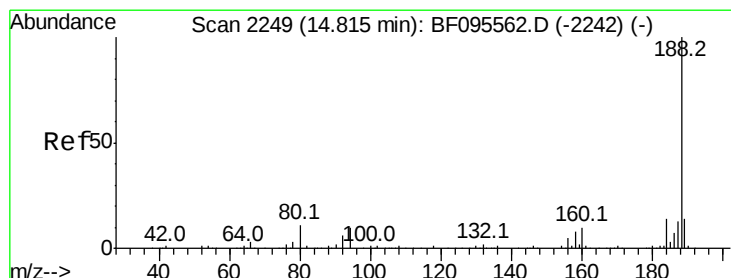
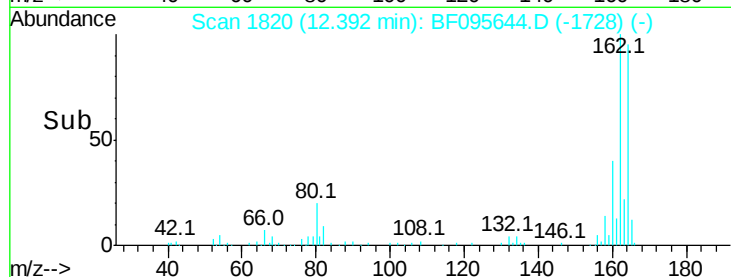
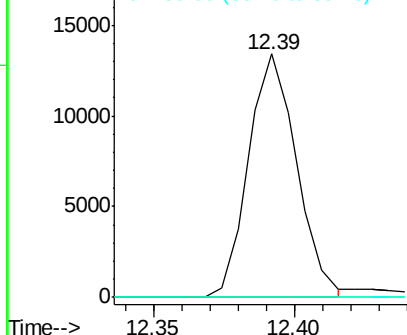
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

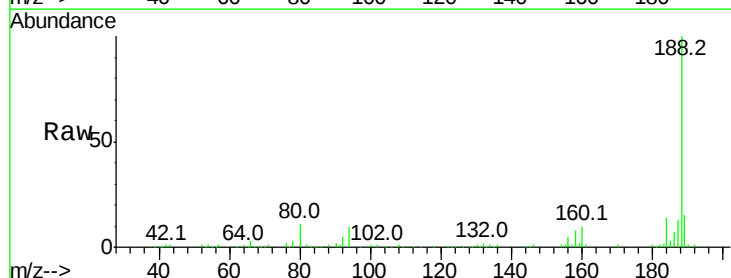
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.80 min Scan# 2229
 Delta R.T. -0.01 min
 Lab File: BF095644.D
 Acq: 2 Jun 2017 20:36

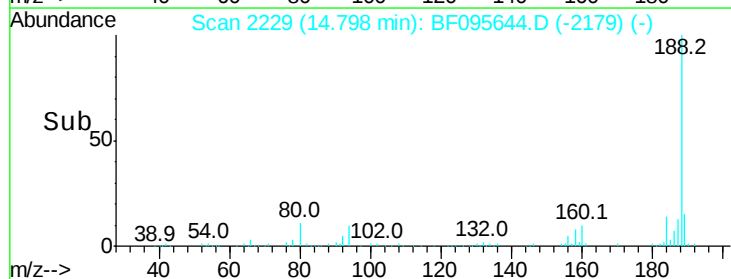
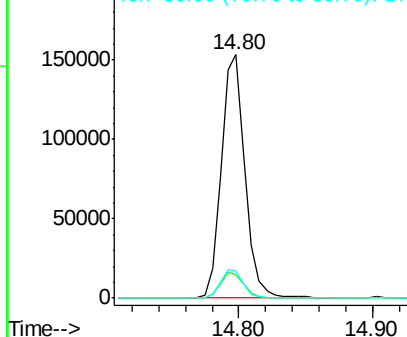
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	9.4	14.2
80	11.2	10.2	15.2

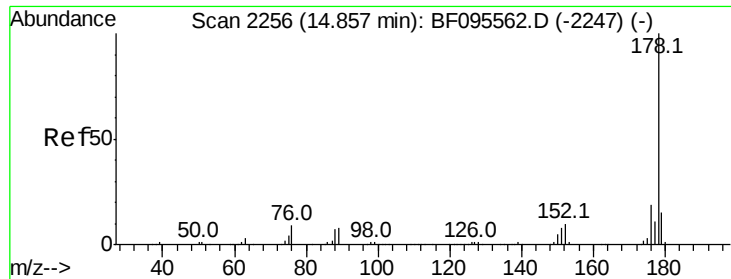


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 10.38 ng

RT: 14.83 min Scan# 2235

Delta R.T. -0.01 min

Lab File: BF095644.D

Acq: 2 Jun 2017 20:36

Instrument :

BNA_F

ClientSampleId :

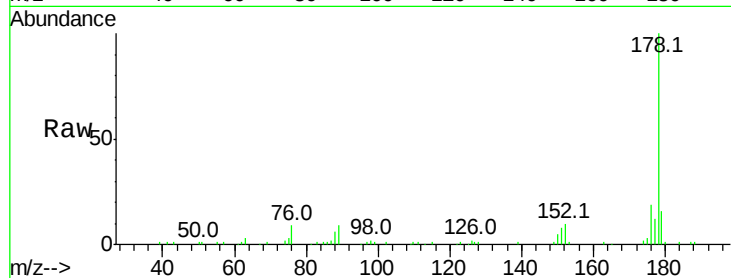
Tot Ion:178 Resp: 114261

Ion Ratio Lower Upper

178 100

176 19.1 16.2 24.4

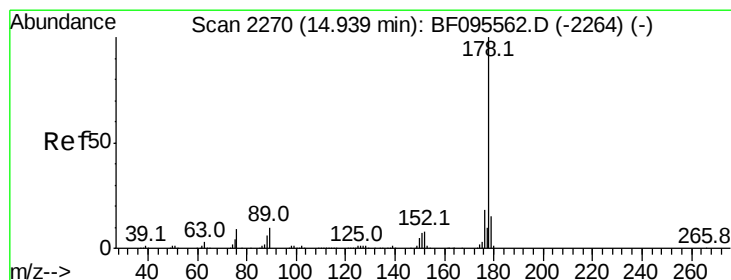
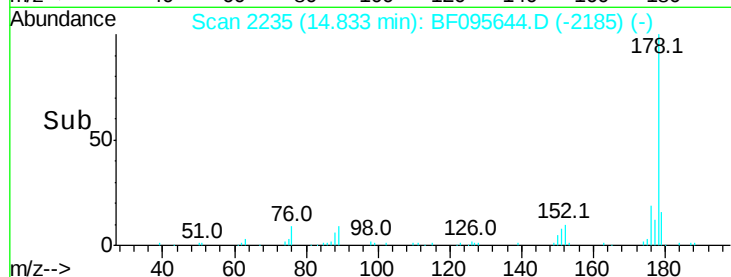
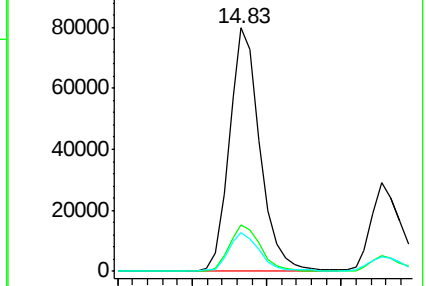
179 15.8 12.6 19.0



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: 3.66 ng

RT: 14.93 min Scan# 2251

Delta R.T. -0.00 min

Lab File: BF095644.D

Acq: 2 Jun 2017 20:36

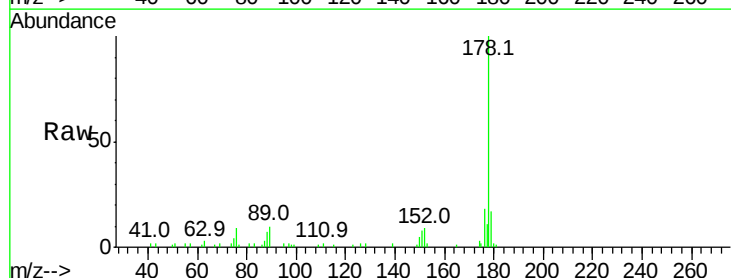
Tgt Ion:178 Resp: 41095

Ion Ratio Lower Upper

178 100

176 18.0 15.8 23.8

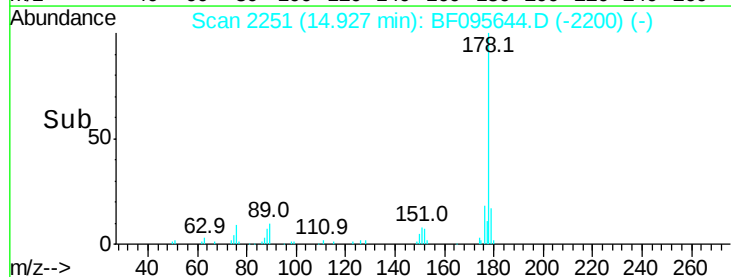
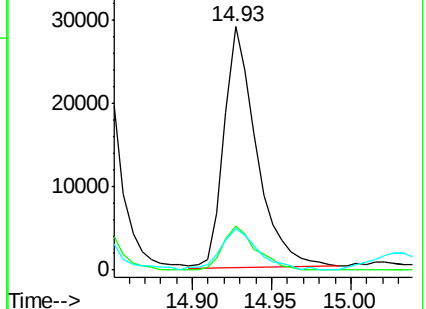
179 16.9 12.7 19.1

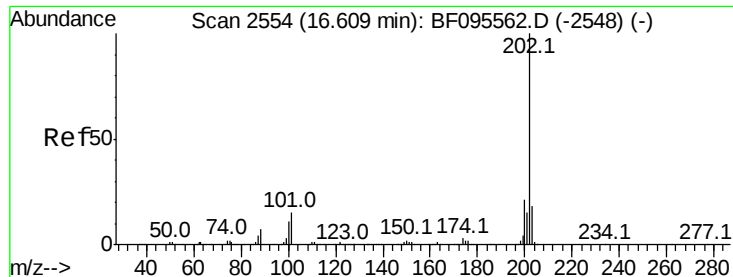


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

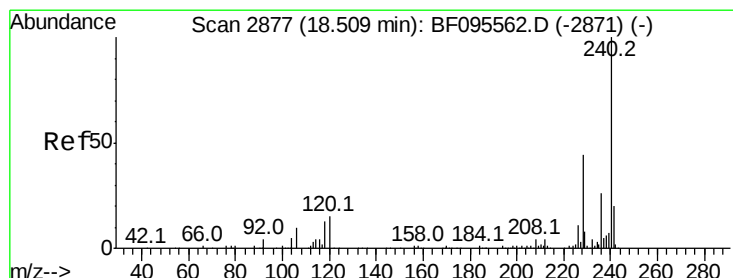
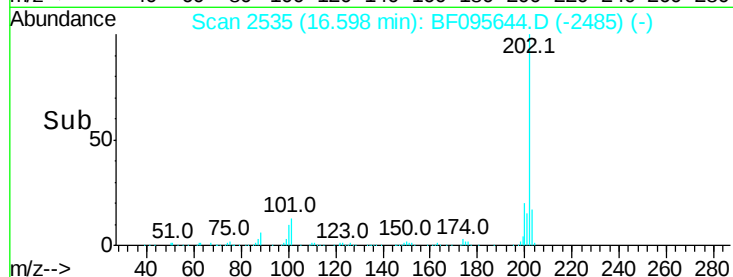
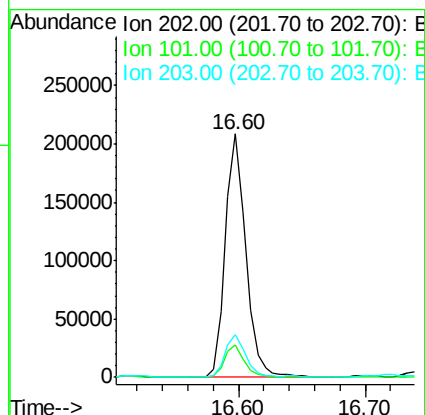
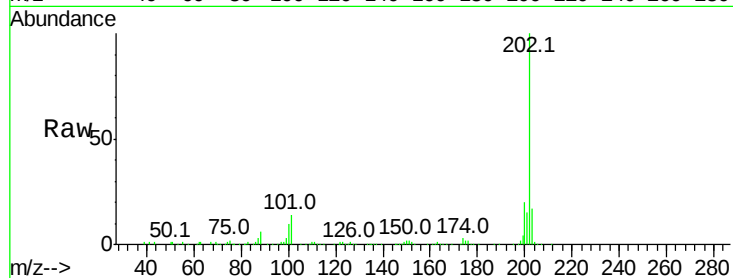




#74
Fluoranthene
Concen: 20.96 ng
RT: 16.60 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF095644.D
Acq: 2 Jun 2017 20:36

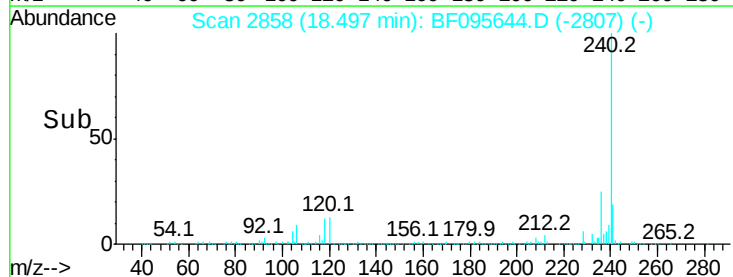
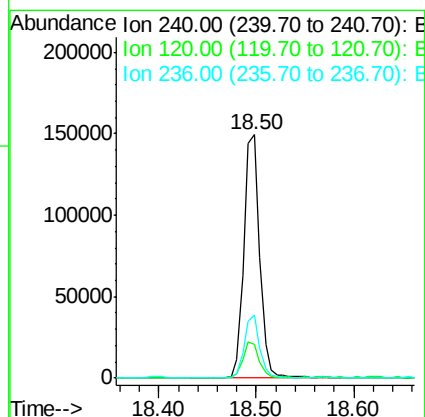
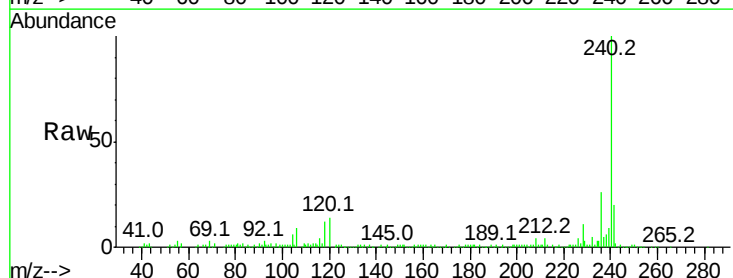
Instrument :
BNA_F
ClientSampleId :

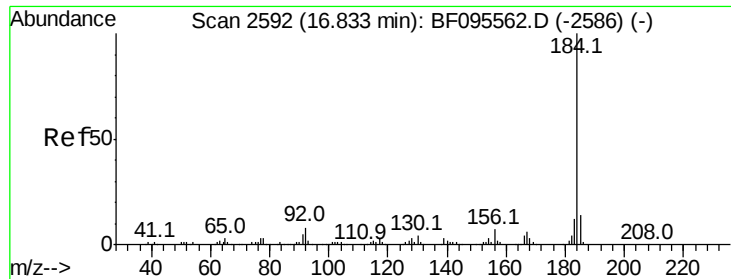
Tot Ion:202 Resp: 236529
Ion Ratio Lower Upper
202 100
101 13.6 0.0 33.2
203 17.4 0.0 38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.50 min Scan# 2858
Delta R.T. -0.00 min
Lab File: BF095644.D
Acq: 2 Jun 2017 20:36

Tgt Ion:240 Resp: 169928
Ion Ratio Lower Upper
240 100
120 13.6 5.8 8.8#
236 25.7 20.5 30.7





#76

Benzidine

Concen: 6.61 ng

RT: 16.71 min Scan# 2554

Delta R.T. -0.11 min

Lab File: BF095644.D

Acq: 2 Jun 2017 20:36

Instrument :

BNA_F

ClientSampleId :

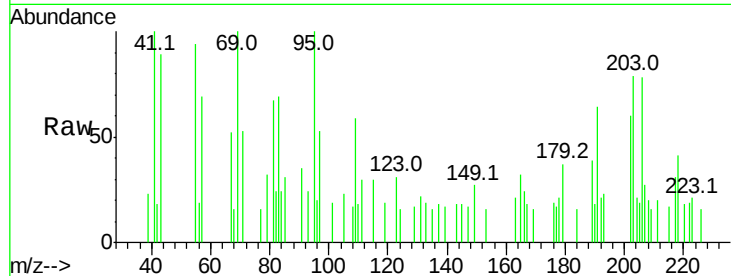
Tot Ion:184 Resp: 108

Ion Ratio Lower Upper

184 100

185 0.0 15.5 23.3#

183 0.0 9.8 14.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

16.71

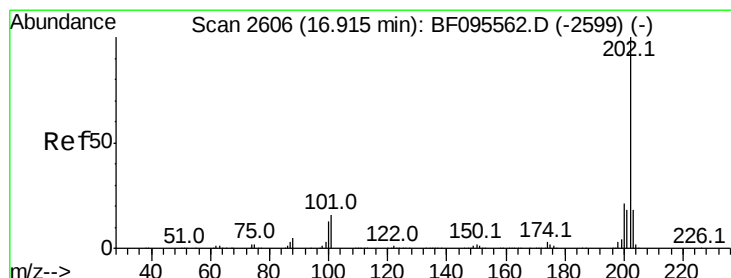
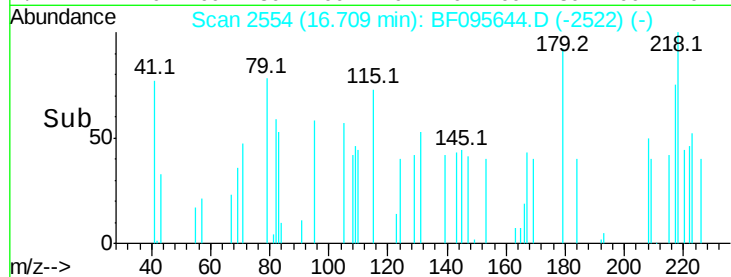
300

200

100

0

Time-->



#77

Pyrene

Concen: 16.97 ng

RT: 16.90 min Scan# 2586

Delta R.T. -0.01 min

Lab File: BF095644.D

Acq: 2 Jun 2017 20:36

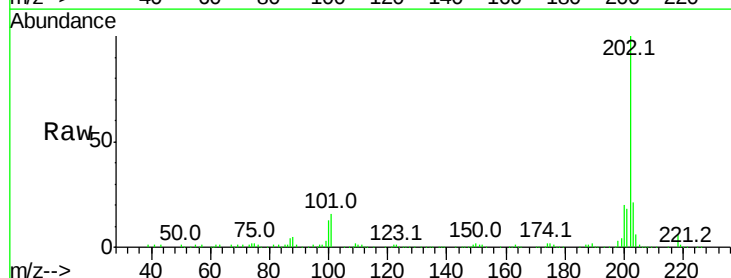
Tgt Ion:202 Resp: 215697

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

203 21.4 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

16.90

250000

200000

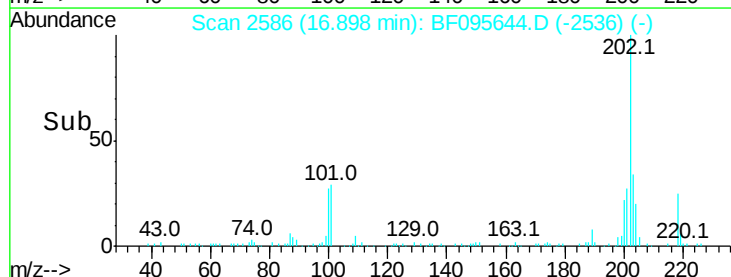
150000

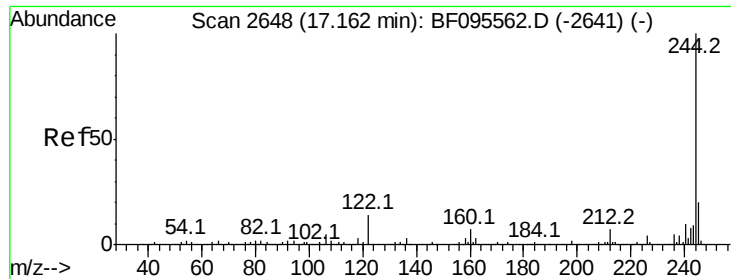
100000

50000

0

Time-->

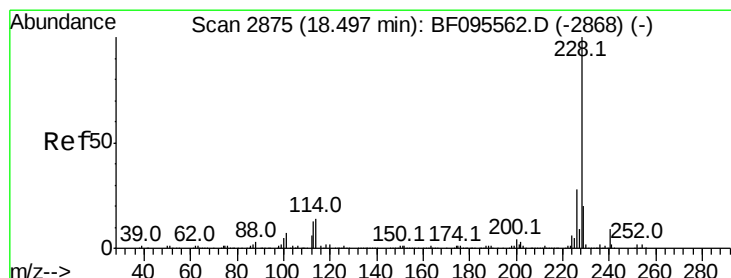
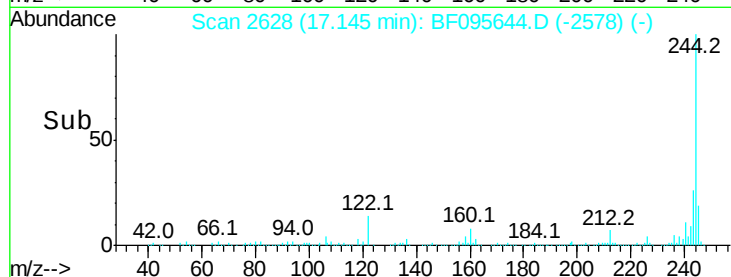
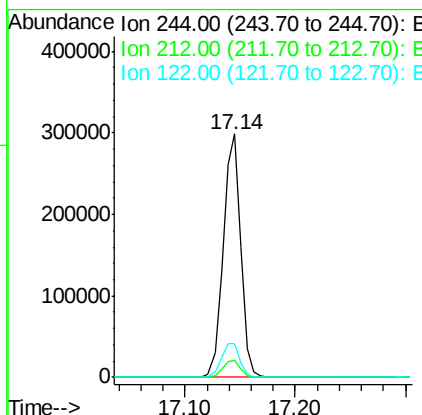
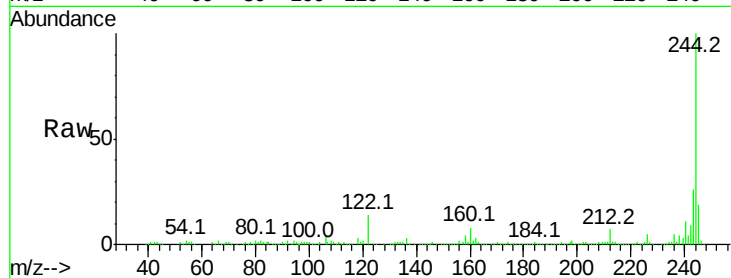




#78
 Terphenyl-d14
 Concen: 42.64 ng
 RT: 17.14 min Scan# 2628
 Delta R.T. -0.01 min
 Lab File: BF095644.D
 Acq: 2 Jun 2017 20:36

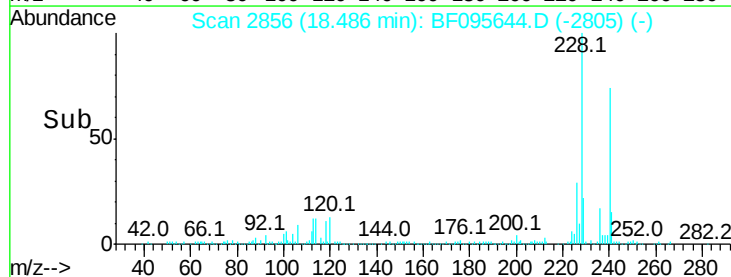
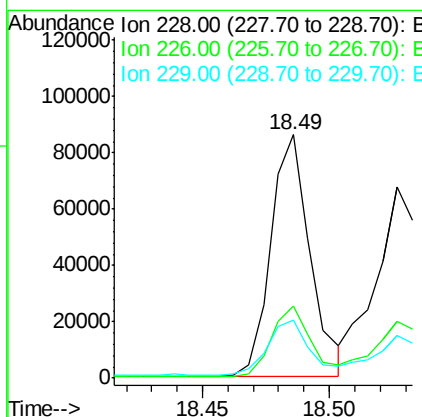
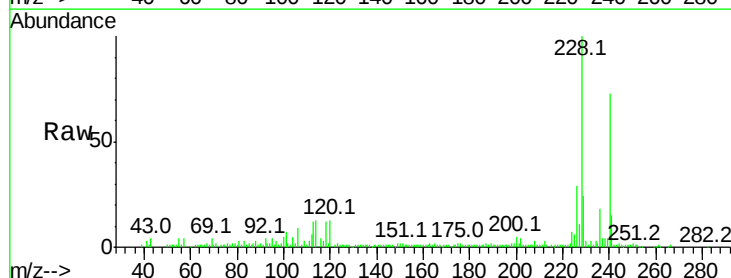
Instrument :
 BNA_F
 ClientSampleId :

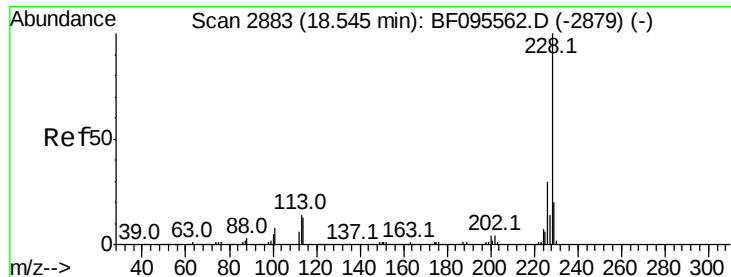
Tot Ion:244 Resp: 328950
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 13.8 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 9.45 ng
 RT: 18.49 min Scan# 2856
 Delta R.T. -0.00 min
 Lab File: BF095644.D
 Acq: 2 Jun 2017 20:36

Tgt Ion:228 Resp: 93465
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.6 33.8
 229 23.6 16.3 24.5

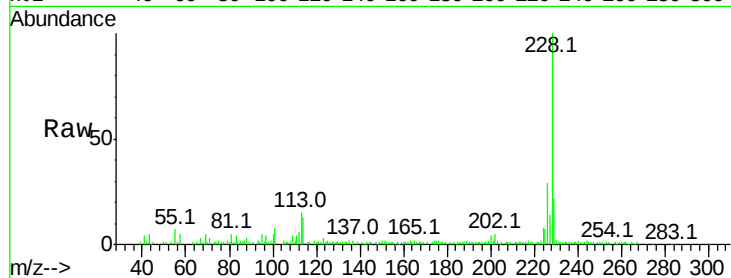




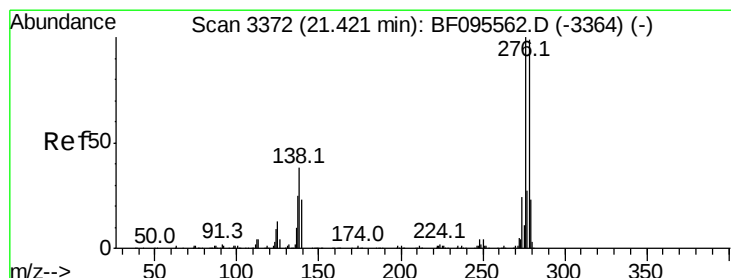
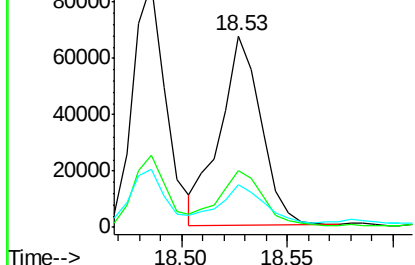
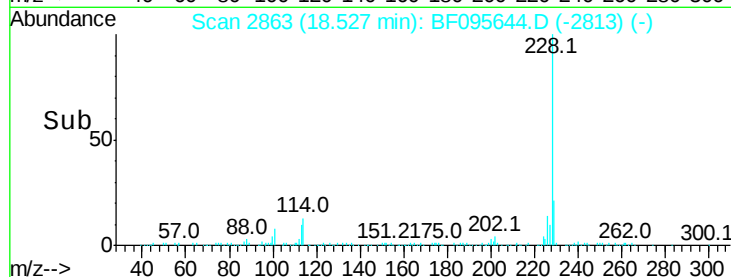
#82
Chrysene
Concen: 9.39 ng
RT: 18.53 min Scan# 2863
Delta R.T. -0.01 min
Lab File: BF095644.D
Acq: 2 Jun 2017 20:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 89761
Ion Ratio Lower Upper
228 100
226 29.4 24.9 37.3
229 22.1 15.8 23.6

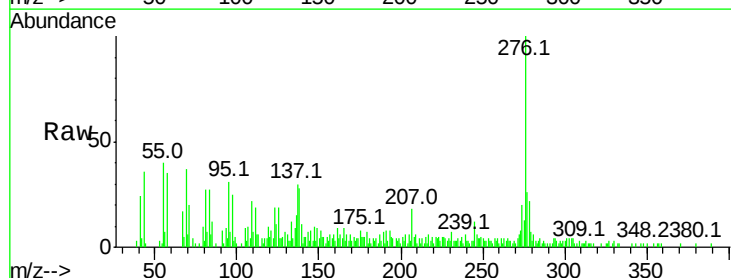


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

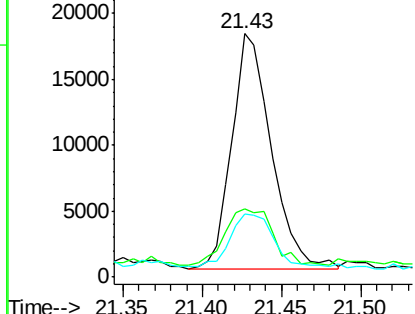
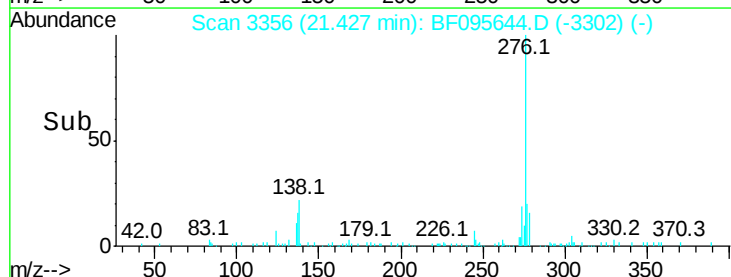


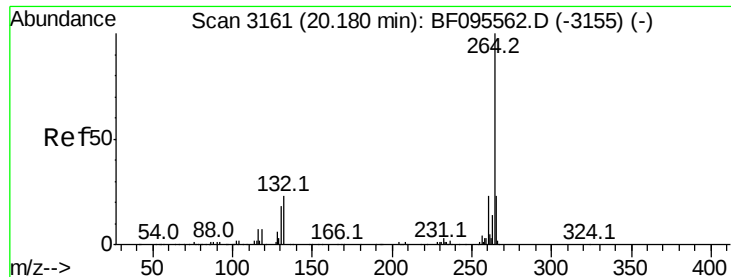
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.98 ng
RT: 21.43 min Scan# 3356
Delta R.T. 0.02 min
Lab File: BF095644.D
Acq: 2 Jun 2017 20:36

Tgt Ion:276 Resp: 30923
Ion Ratio Lower Upper
276 100
138 32.8 27.8 41.6
277 24.7 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 20.17 min Scan# 3143

Delta R.T. 0.01 min

Lab File: BF095644.D

Acq: 2 Jun 2017 20:36

Instrument :

BNA_F

ClientSampleId :

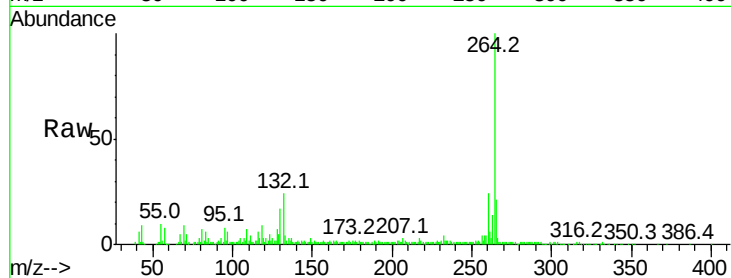
Tot Ion:264 Resp: 116383

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

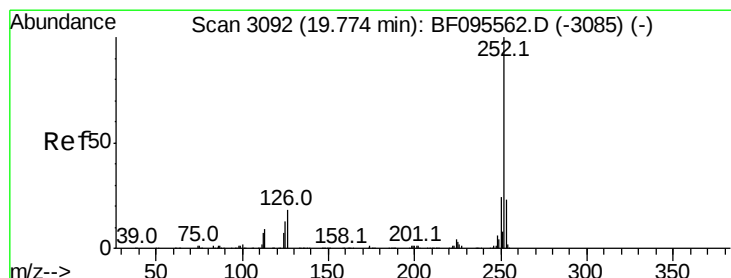
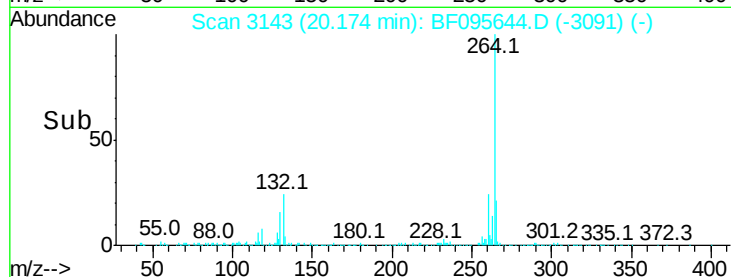
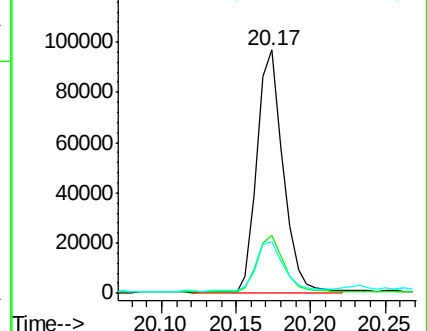
265 21.2 17.2 25.8



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: 17.04 ng

RT: 19.77 min Scan# 3074

Delta R.T. 0.01 min

Lab File: BF095644.D

Acq: 2 Jun 2017 20:36

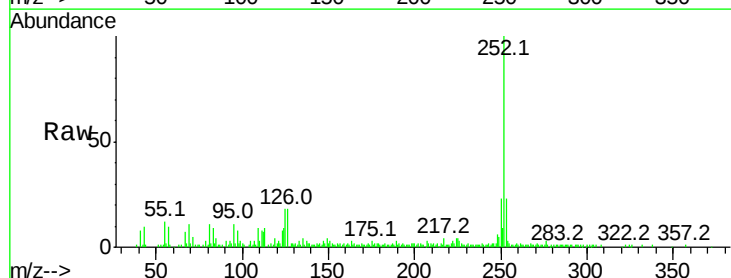
Tgt Ion:252 Resp: 122527

Ion Ratio Lower Upper

252 100

253 22.6 18.1 27.1

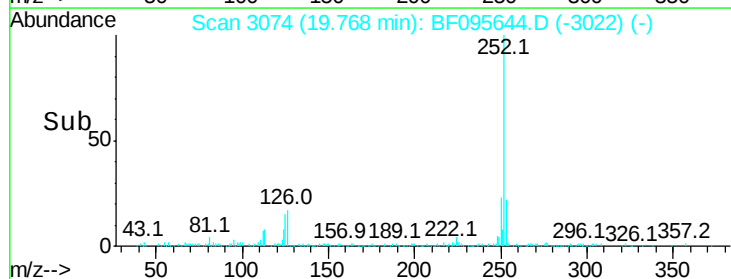
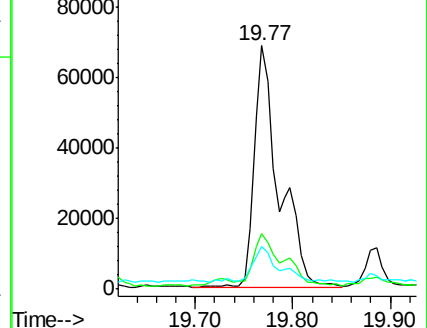
125 17.5 9.8 14.8#

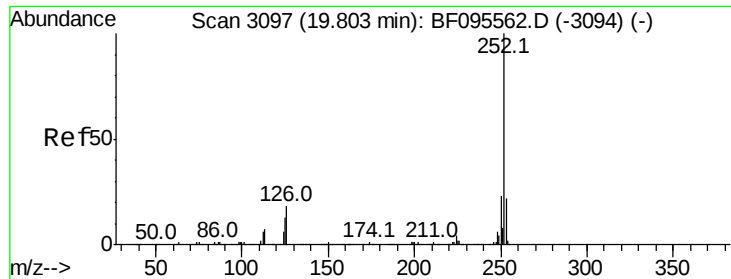


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

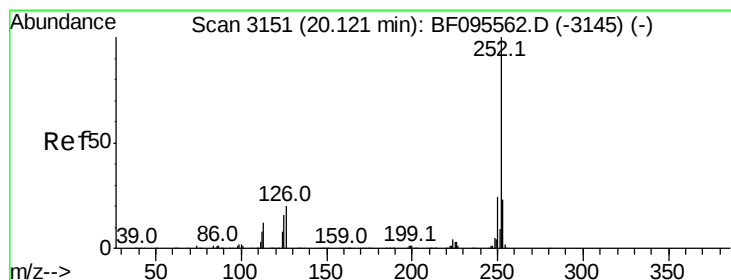
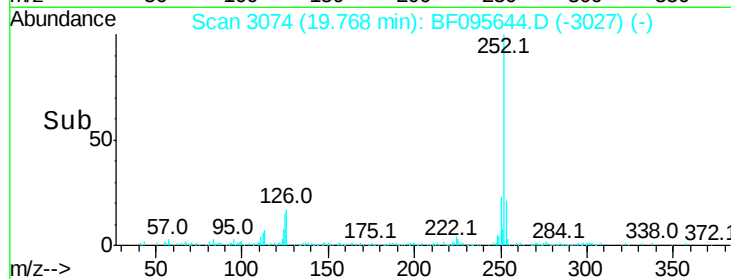
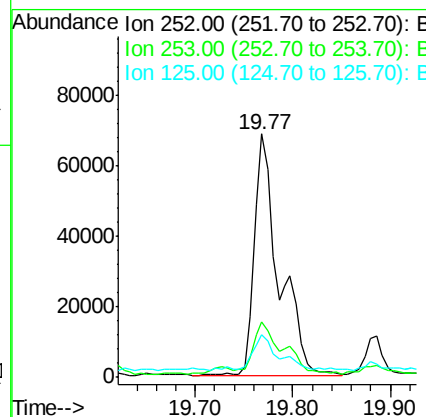
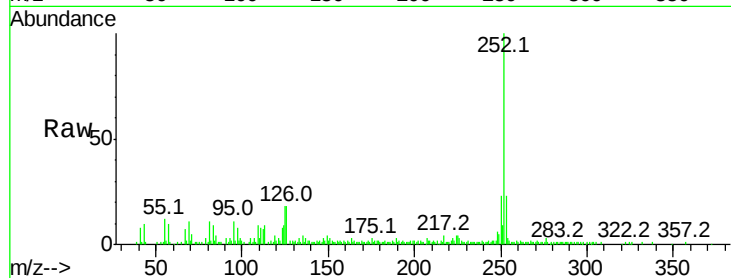




#88
Benzo(k)fluoranthene
Concen: 17.66 ng
RT: 19.77 min Scan# 3074
Delta R.T. -0.02 min
Lab File: BF095644.D
Acq: 2 Jun 2017 20:36

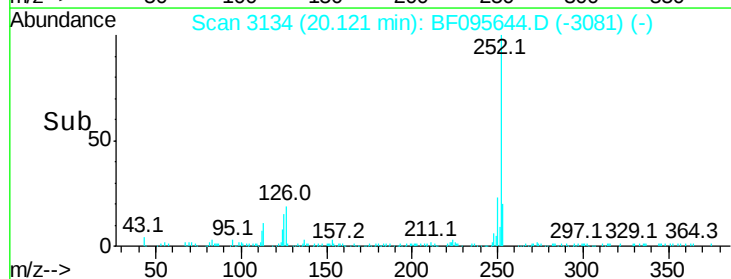
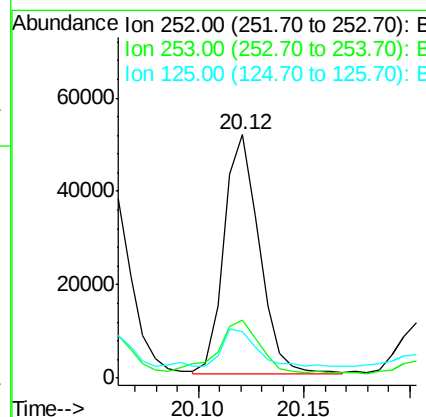
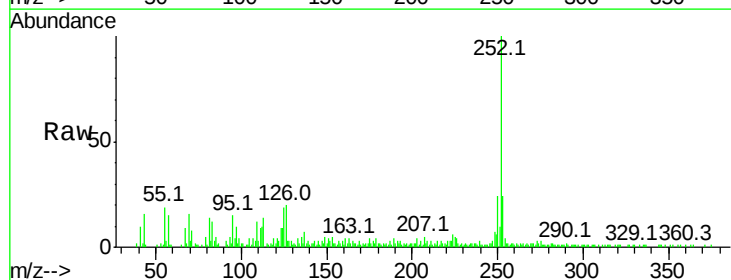
Instrument :
BNA_F
ClientSampleId :

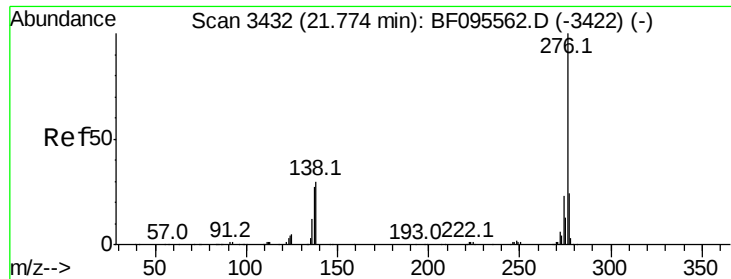
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	17.5	13.1	19.7



#89
Benzo(a)pyrene
Concen: 8.89 ng
RT: 20.12 min Scan# 3134
Delta R.T. 0.01 min
Lab File: BF095644.D
Acq: 2 Jun 2017 20:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	19.1	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 5.38 ng
 RT: 21.79 min Scan# 3418
 Delta R.T. 0.04 min
 Lab File: BF095644.D
 Acq: 2 Jun 2017 20:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 28951
 Ion Ratio Lower Upper
 276 100
 277 27.4 18.6 28.0
 138 35.1 25.4 38.0

