

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053017\
 Data File : BF095537.D
 Acq On : 30 May 2017 16:07
 Operator : SJ/MA
 Sample : I3281-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 01:40:05 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

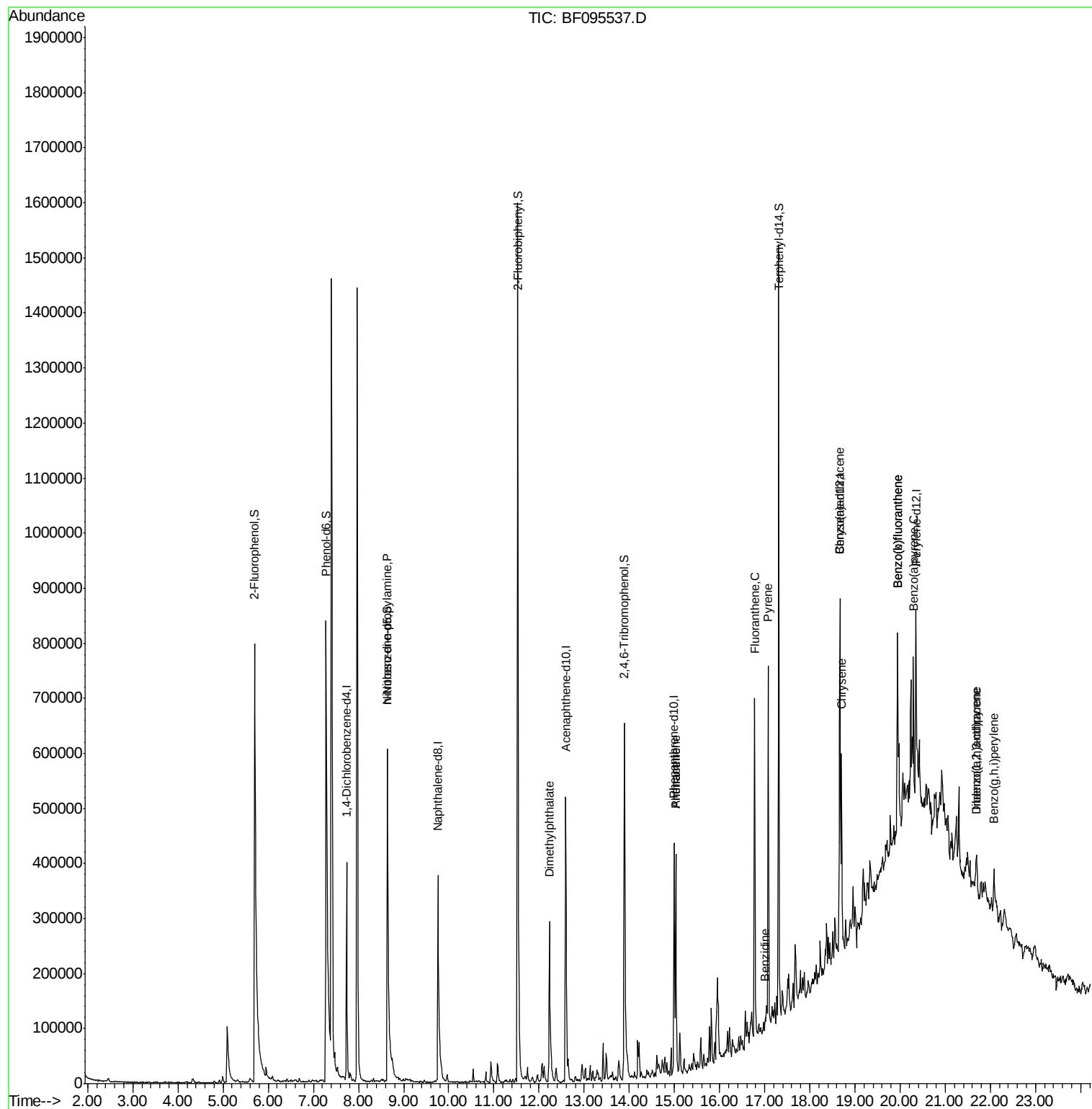
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	90130	20.00	ng	0.00
21) Naphthalene-d8	9.76	136	370916	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	160534	20.00	ng	0.00
63) Phenanthrene-d10	14.99	188	236710	20.00	ng	0.00
75) Chrysene-d12	18.67	240	206069	20.00	ng	0.00
86) Perylene-d12	20.35	264	169686	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	705183	130.44	ng	0.00
7) Phenol-d6	7.28	99	834598	128.67	ng	-0.01
23) Nitrobenzene-d5	8.64	82	494389	84.05	ng	-0.01
41) 2,4,6-Tribromophenol	13.89	330	136733	104.00	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	918544	82.36	ng	0.00
78) Terphenyl-d14	17.31	244	513669	54.90	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.64	70	58433	13.32	ng	# 75
49) Dimethylphthalate	12.23	163	227926	17.29	ng	99
70) Phenanthrene	15.03	178	230452	16.94	ng	97
71) Anthracene	15.03	178	230452	16.59	ng	97
74) Fluoranthene	16.78	202	340053	24.37	ng	97
76) Benzidine	16.99	184	126	6.61	ng	# 62
77) Pyrene	17.08	202	290496	18.85	ng	95
80) Benzo(a)anthracene	18.66	228	172438	14.38	ng	97
82) Chrysene	18.70	228	172193	14.85	ng	97
85) Indeno(1,2,3-cd)pyrene	21.69	276	68000	7.22	ng	94
87) Benzo(b)fluoranthene	19.94	252	270068	25.76	ng	# 95
88) Benzo(k)fluoranthene	19.94	252	270068	26.70	ng	99
89) Benzo(a)pyrene	20.29	252	124886	12.91	ng	94
90) Dibenzo(a,h)anthracene	21.68	278	16808	2.10	ng	# 76
91) Benzo(a,h,i)perylene	22.08	276	67632	8.63	ng	98

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

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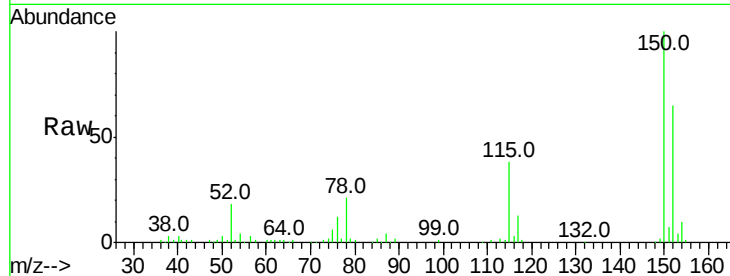


#1

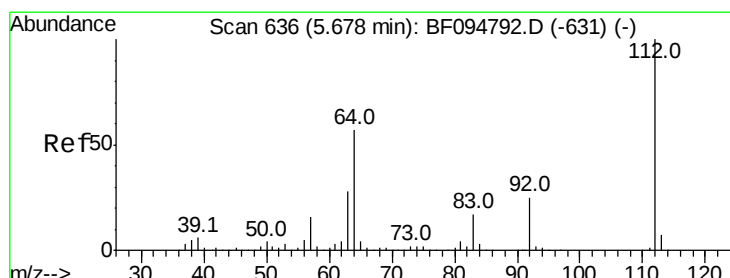
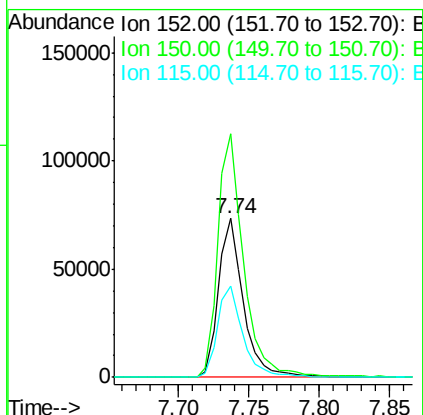
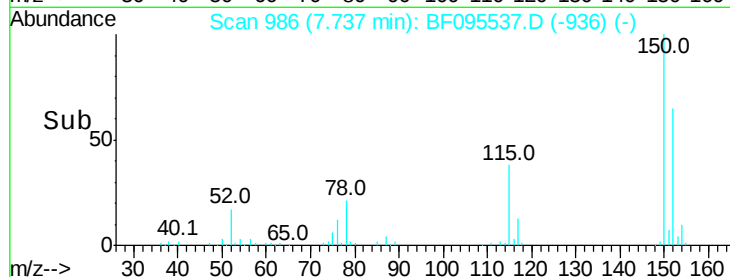
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095537.D
Acq: 30 May 2017 16:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 90130
Ion Ratio Lower Upper
152 100
150 153.3 126.2 189.2
115 57.8 52.2 78.2



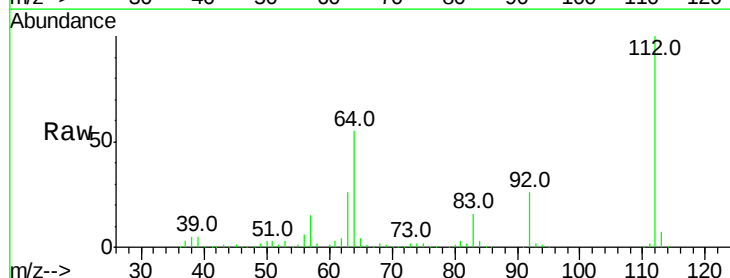
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



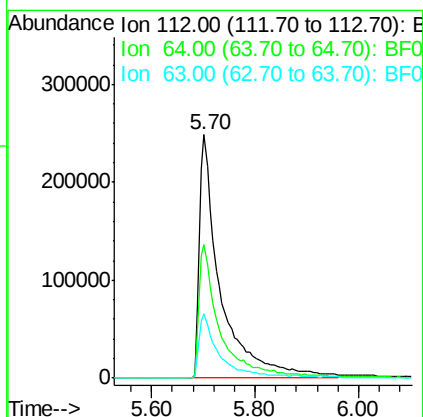
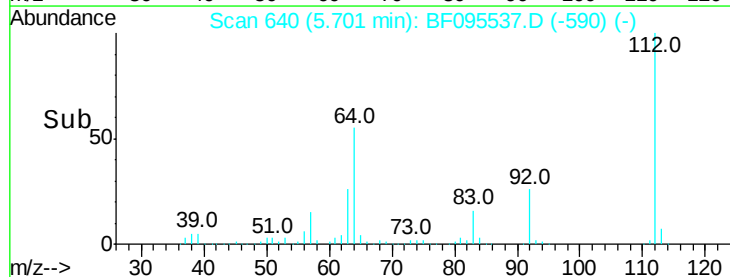
#5

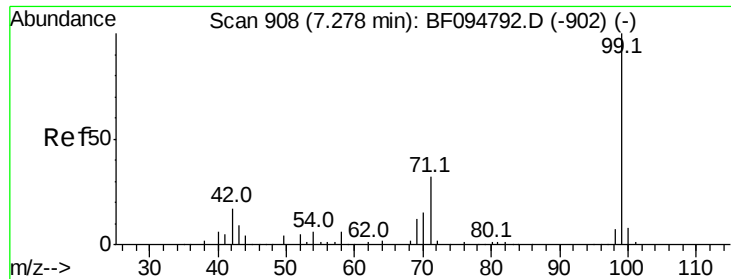
2-Fluorophenol
Concen: 130.44 ng
RT: 5.70 min Scan# 640
Delta R.T. -0.01 min
Lab File: BF095537.D
Acq: 30 May 2017 16:07

Tgt Ion:112 Resp: 705183
Ion Ratio Lower Upper
112 100
64 54.9 46.0 69.0
63 26.4 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: 128.67 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

Instrument :

BNA_F

ClientSampleId :

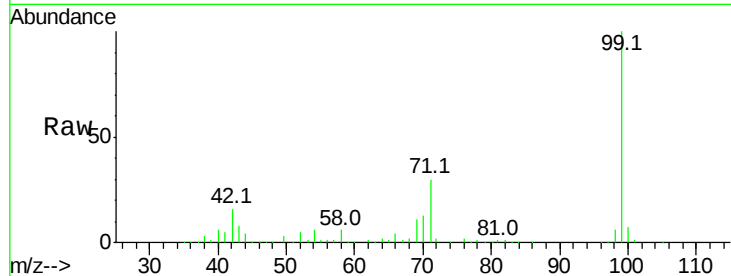
Tot Ion: 99 Resp: 834598

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

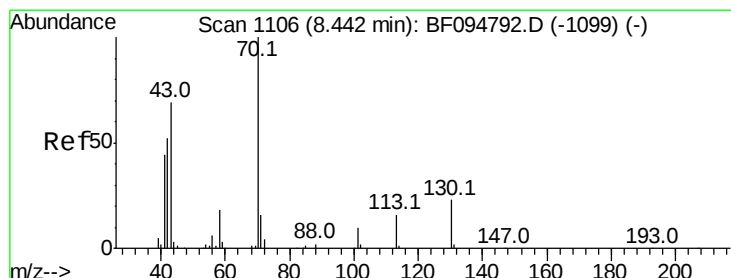
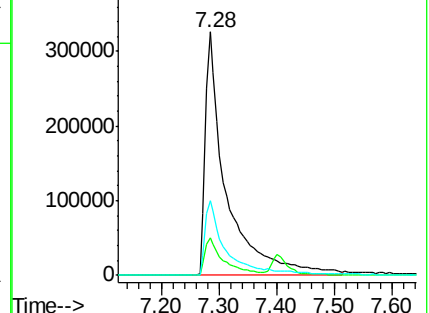
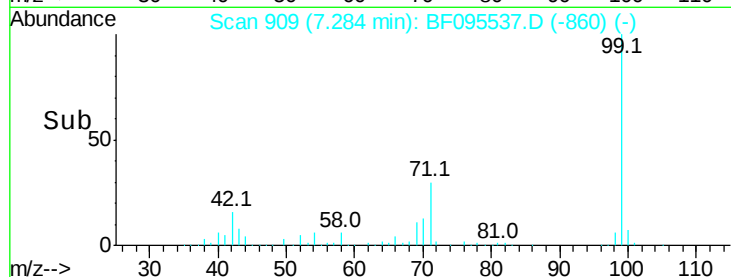
71 30.5 24.5 36.7



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: 13.32 ng

RT: 8.64 min Scan# 1140

Delta R.T. 0.18 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

Tgt Ion: 70 Resp: 58433

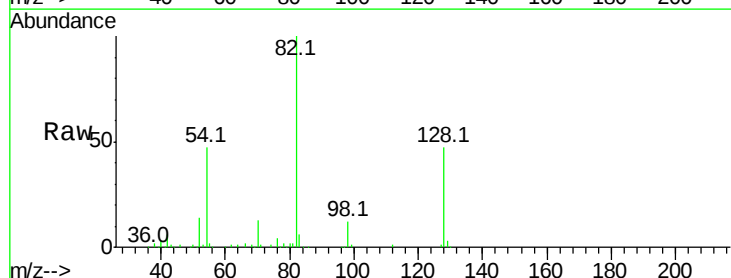
Ion Ratio Lower Upper

70 100

42 44.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

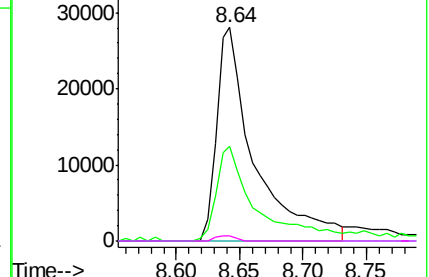
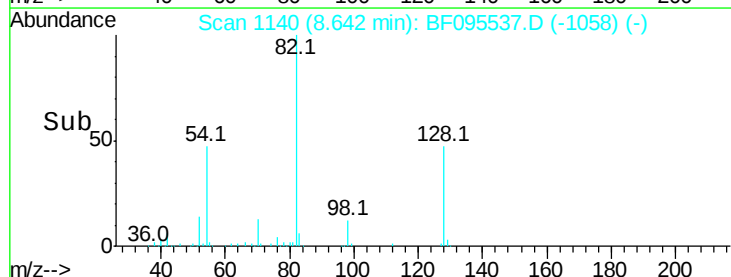


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.76 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 370916

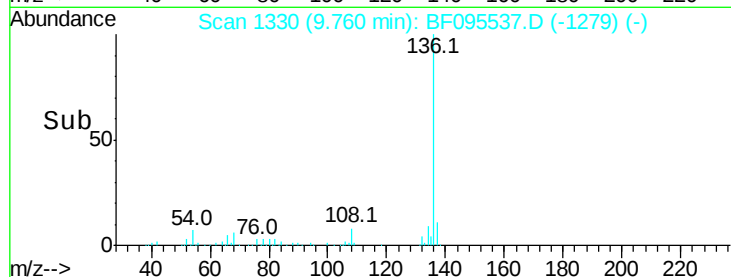
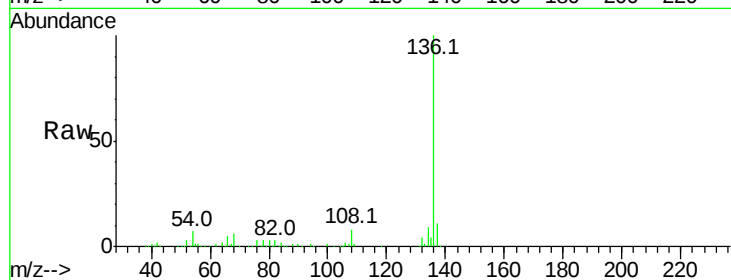
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 6.8 4.9 7.3

68 5.8 4.1 6.1

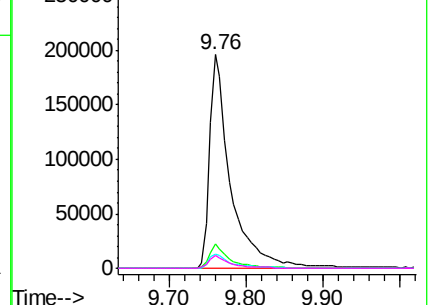


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.05 ng

RT: 8.64 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

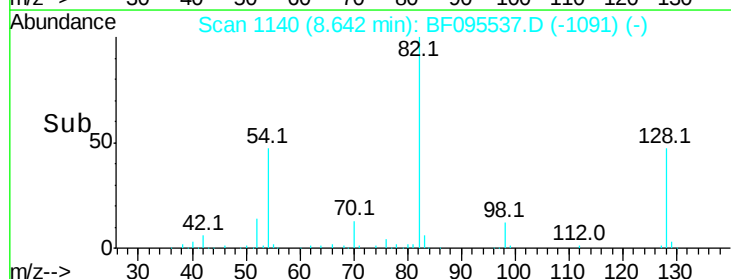
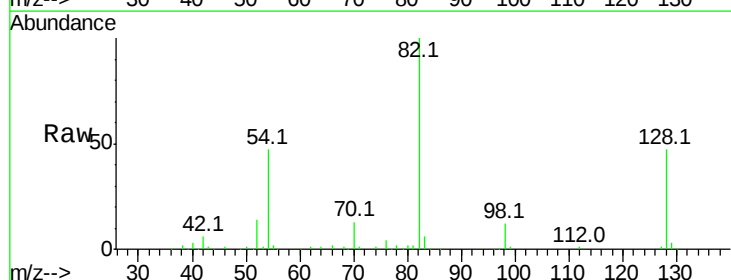
Tgt Ion: 82 Resp: 494389

Ion Ratio Lower Upper

82 100

128 47.4 34.0 51.0

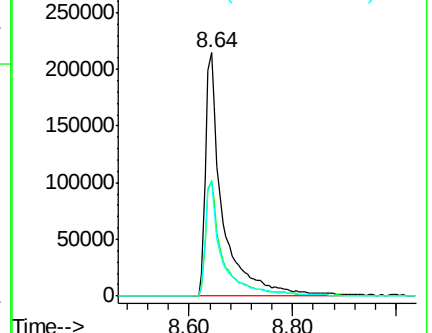
54 46.9 42.2 63.2



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: 12.59 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

Instrument :

BNA_F

ClientSampleId :

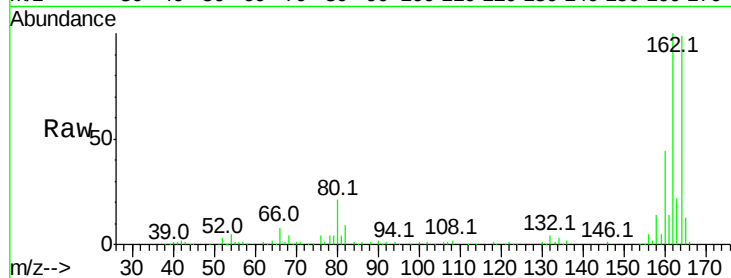
Tot Ion:164 Resp: 160534

Ion Ratio Lower Upper

164 100

162 101.1 82.6 123.8

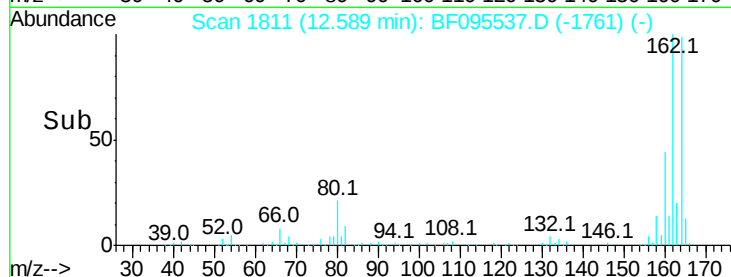
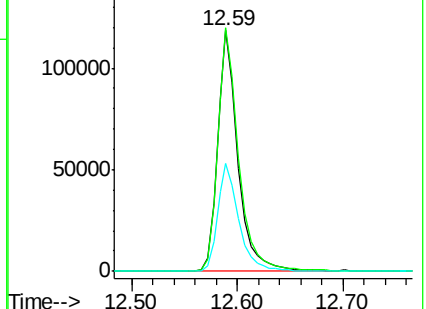
160 44.9 36.2 54.2



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: 104.00 ng

RT: 13.89 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

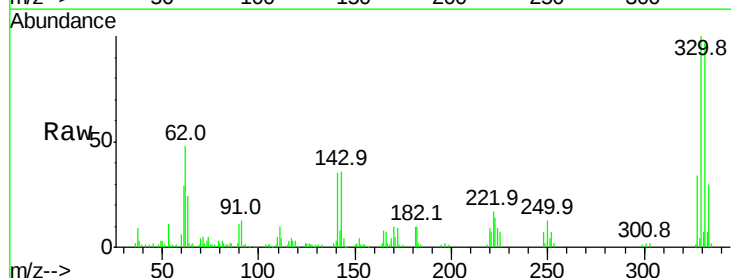
Tgt Ion:330 Resp: 136733

Ion Ratio Lower Upper

330 100

332 95.9 76.6 115.0

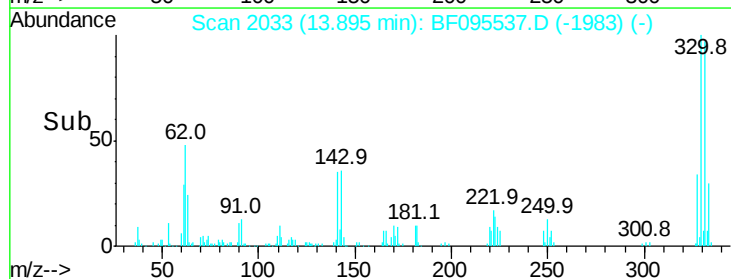
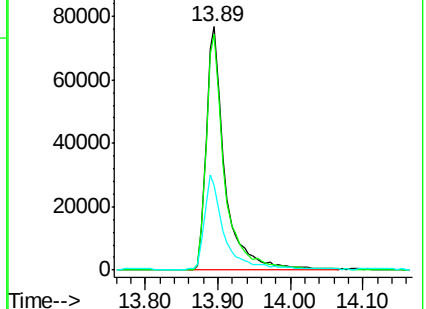
141 42.2 31.4 47.2



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

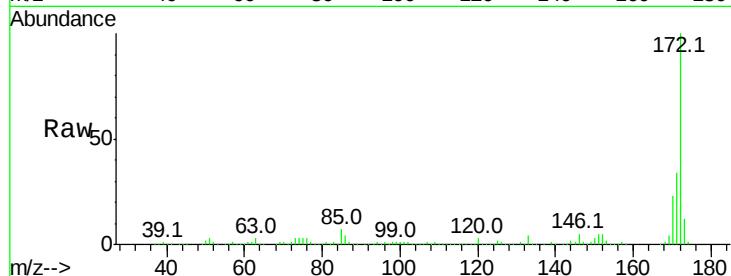




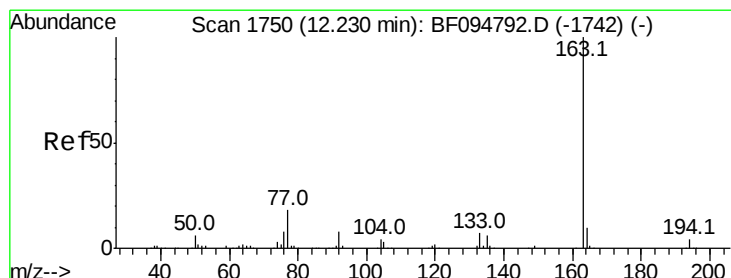
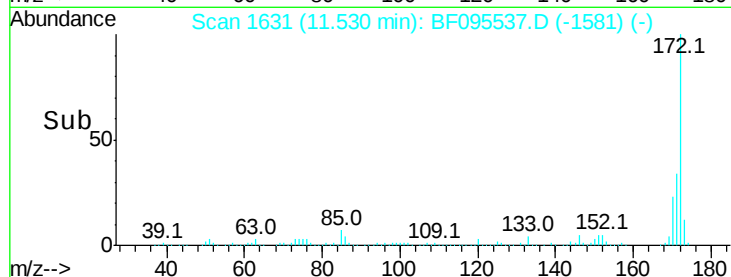
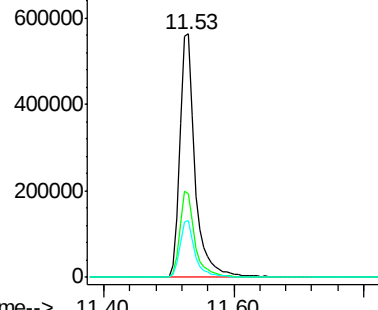
#44
2-Fluorobiphenyl
Concen: 82.36 ng
RT: 11.53 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BF095537.D
Acq: 30 May 2017 16:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 918544
Ion Ratio Lower Upper
172 100
171 34.2 29.6 44.4
170 23.3 19.8 29.8

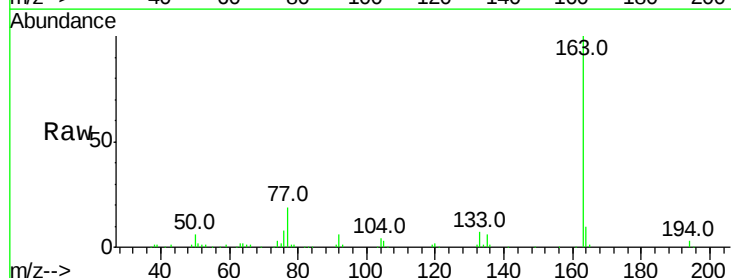


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

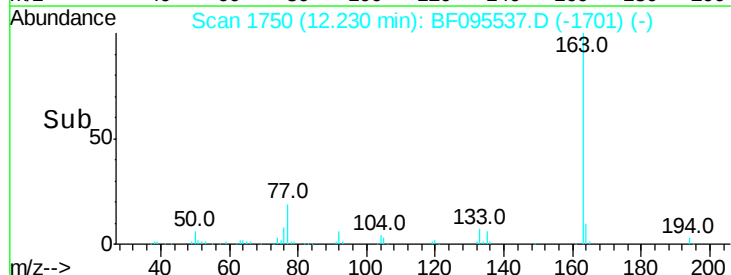
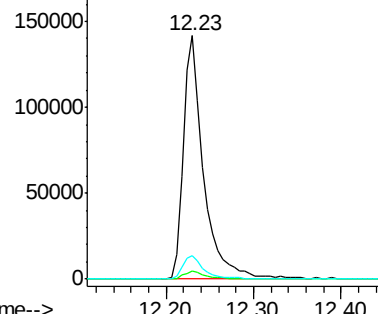


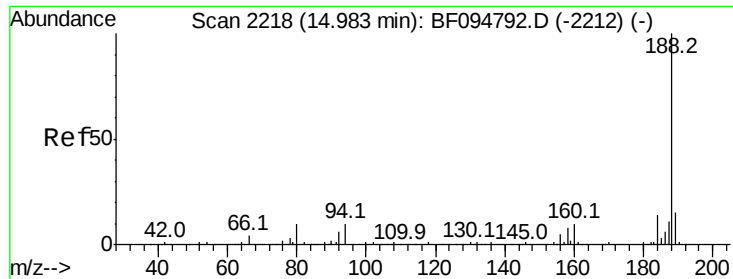
#49
Dimethylphthalate
Concen: 17.29 ng
RT: 12.23 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BF095537.D
Acq: 30 May 2017 16:07

Tgt Ion:163 Resp: 227926
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 9.9 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

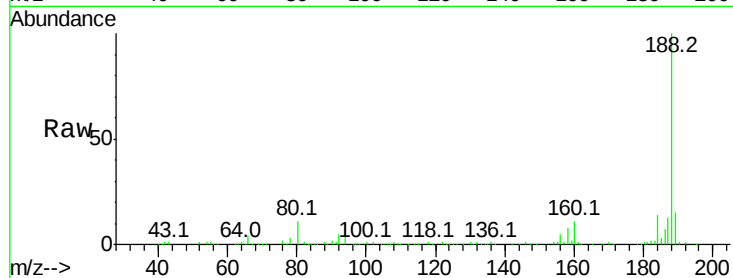




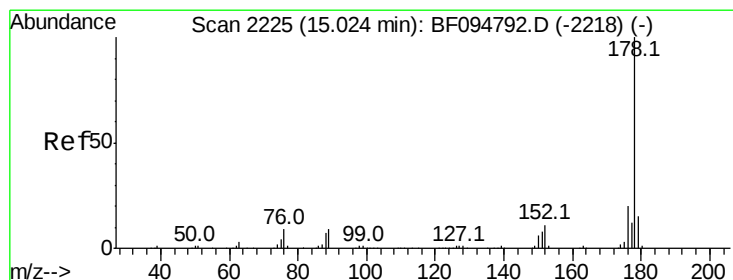
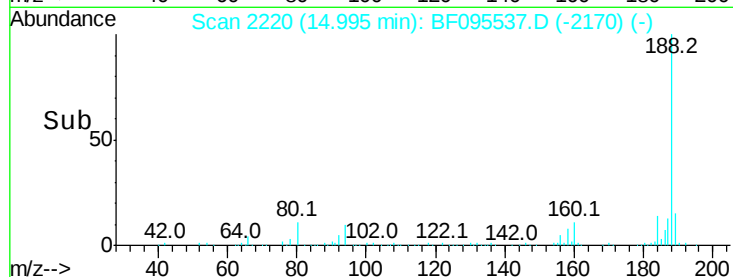
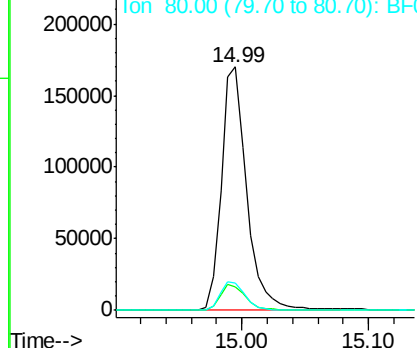
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.99 min Scan# 2220
 Delta R.T. -0.01 min
 Lab File: BF095537.D
 Acq: 30 May 2017 16:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 236710
 Ion Ratio Lower Upper
 188 100
 94 9.7 9.4 14.2
 80 11.2 10.2 15.2

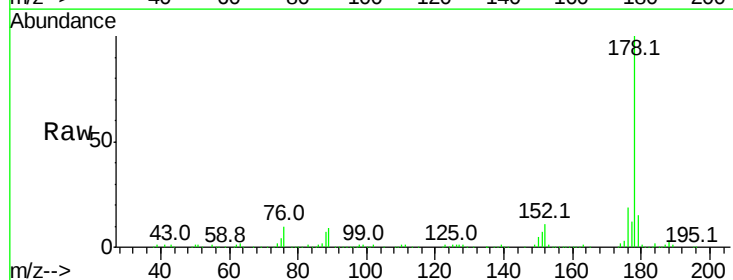


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

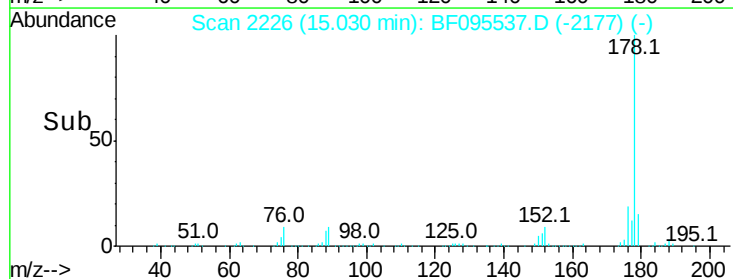
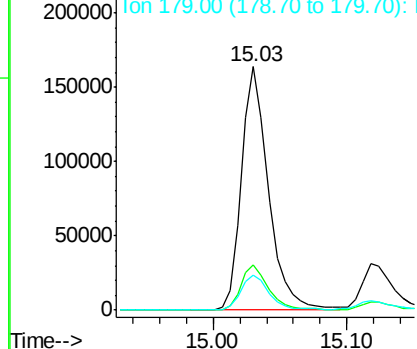


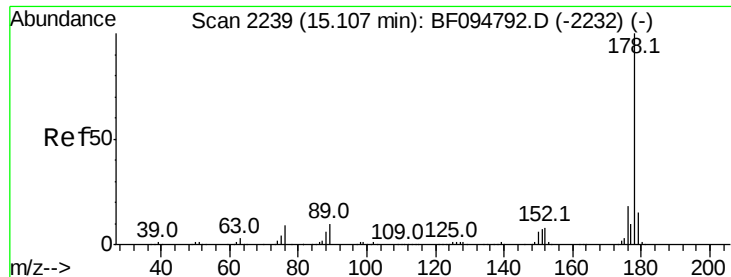
#70
 Phenanthrene
 Concen: 16.94 ng
 RT: 15.03 min Scan# 2226
 Delta R.T. -0.01 min
 Lab File: BF095537.D
 Acq: 30 May 2017 16:07

Tgt Ion:178 Resp: 230452
 Ion Ratio Lower Upper
 178 100
 176 18.8 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

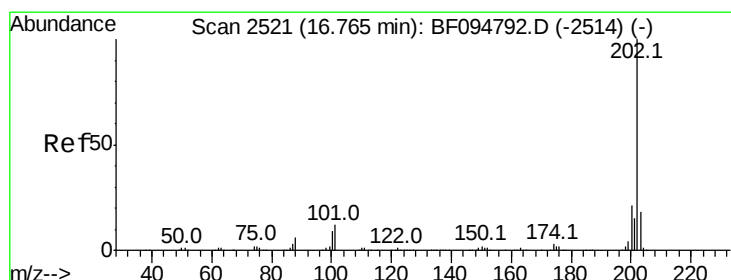
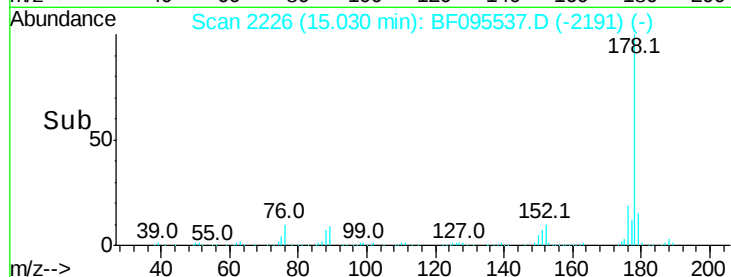
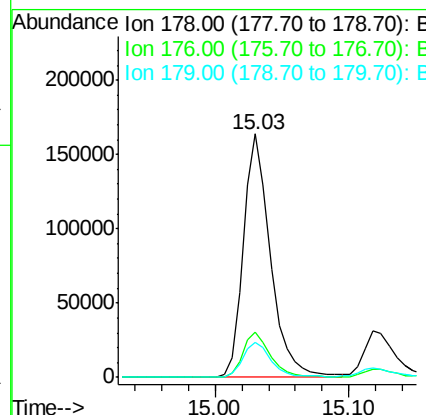
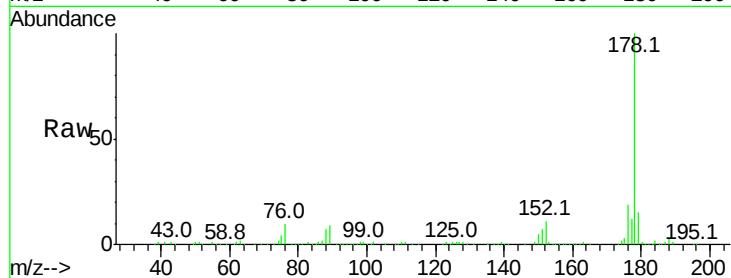




#71
 Anthracene
 Concen: 16.59 ng
 RT: 15.03 min Scan# 2226
 Delta R.T. -0.09 min
 Lab File: BF095537.D
 Acq: 30 May 2017 16:07

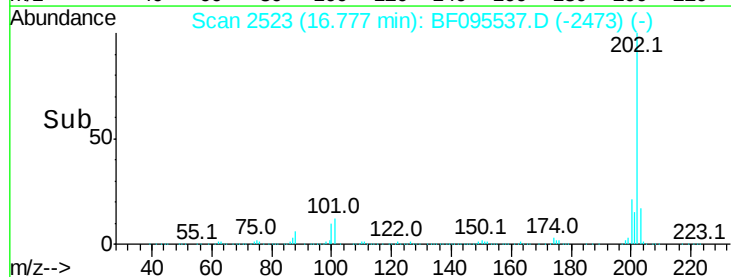
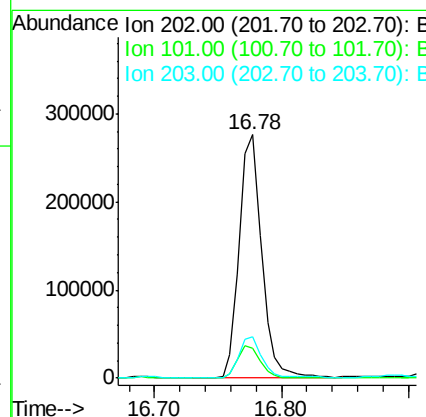
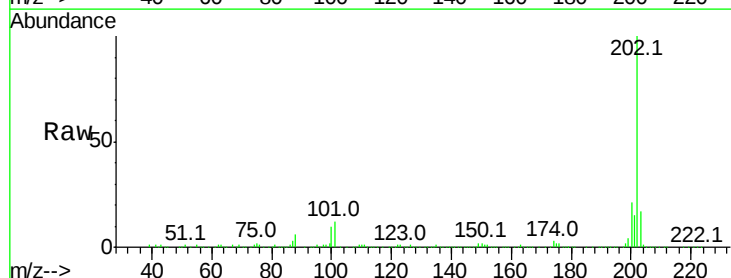
Instrument :
 BNA_F
 ClientSampleId :

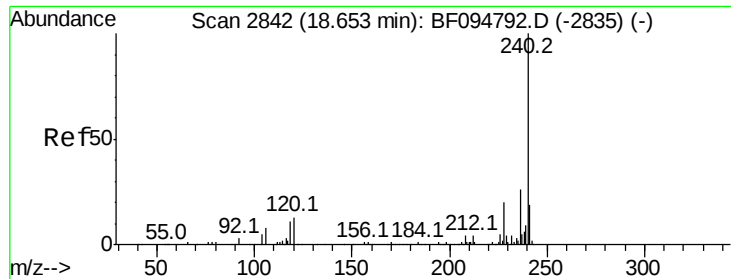
Tot Ion:178 Resp: 230452
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.8 23.8
 179 14.5 12.7 19.1



#74
 Fluoranthene
 Concen: 24.37 ng
 RT: 16.78 min Scan# 2523
 Delta R.T. -0.01 min
 Lab File: BF095537.D
 Acq: 30 May 2017 16:07

Tgt Ion:202 Resp: 340053
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 33.2
 203 16.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

Instrument :

BNA_F

ClientSampleId :

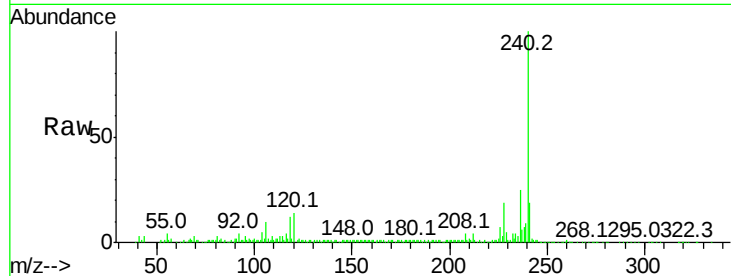
Tot Ion:240 Resp: 206069

Ion Ratio Lower Upper

240 100

120 13.8 5.8 8.8#

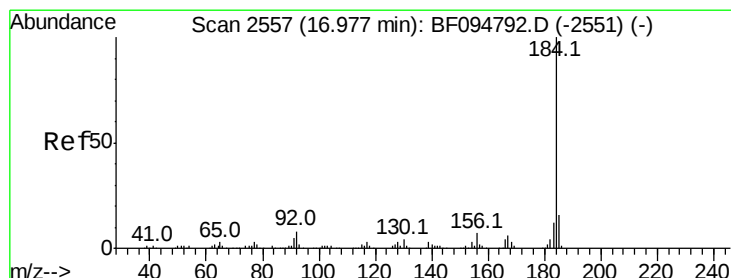
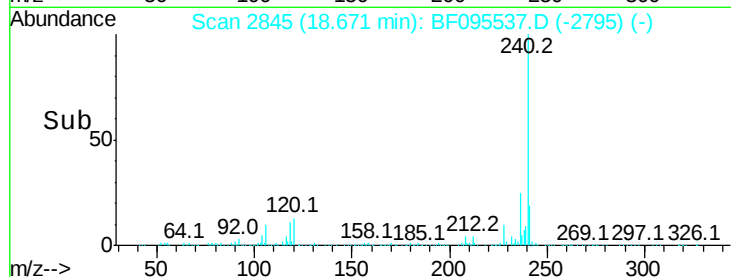
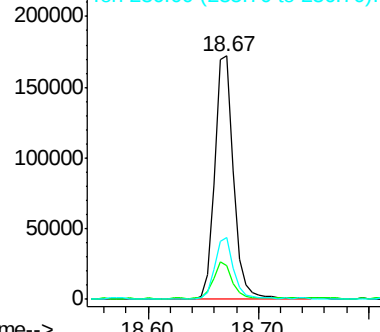
236 25.4 20.5 30.7



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



#76

Benzidine

Concen: 6.61 ng

RT: 16.99 min Scan# 2560

Delta R.T. -0.01 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

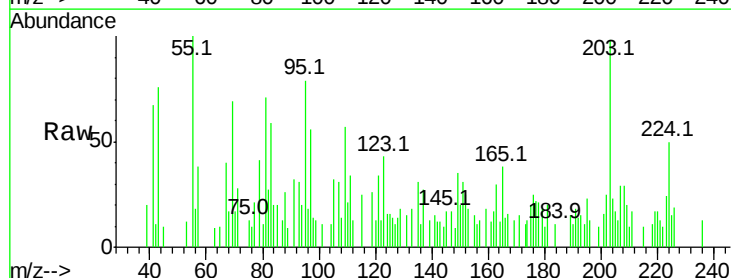
Tgt Ion:184 Resp: 126

Ion Ratio Lower Upper

184 100

185 0.0 15.5 23.3#

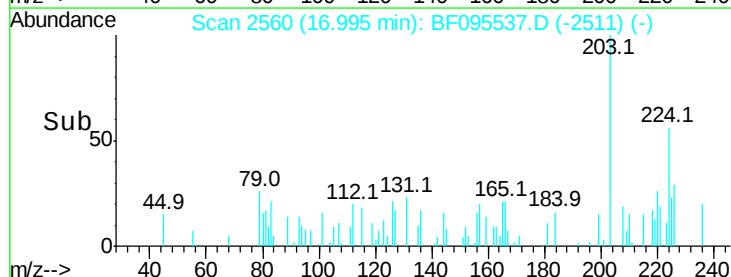
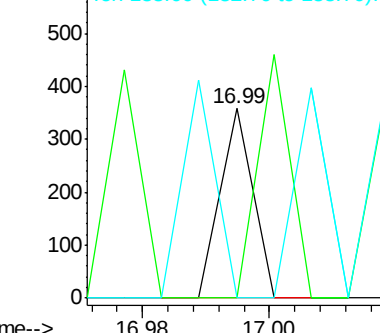
183 0.0 9.8 14.6#

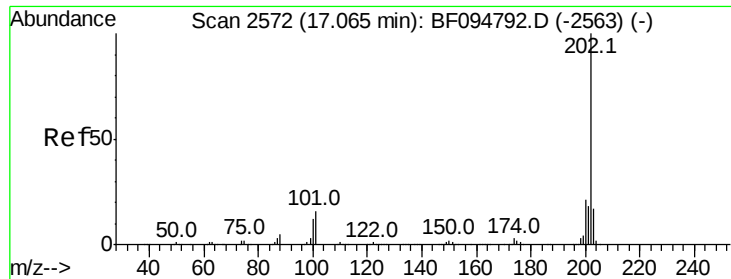


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 18.85 ng

RT: 17.08 min Scan# 2574

Delta R.T. -0.01 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

Instrument :

BNA_F

ClientSampleId :

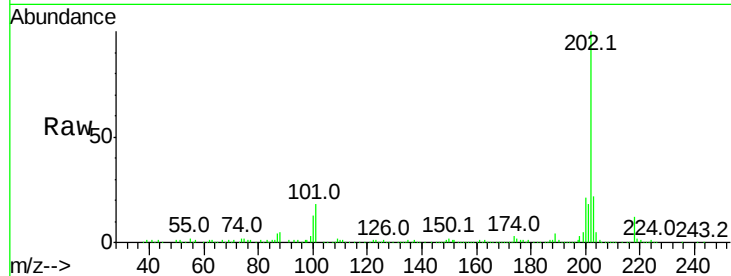
Tot Ion:202 Resp: 290496

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

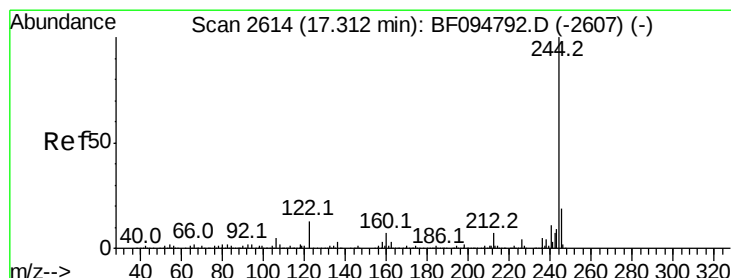
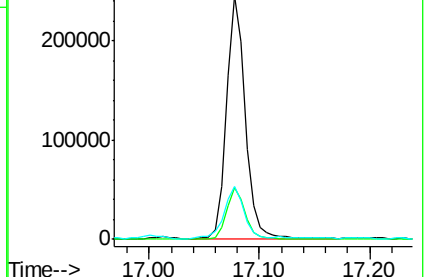
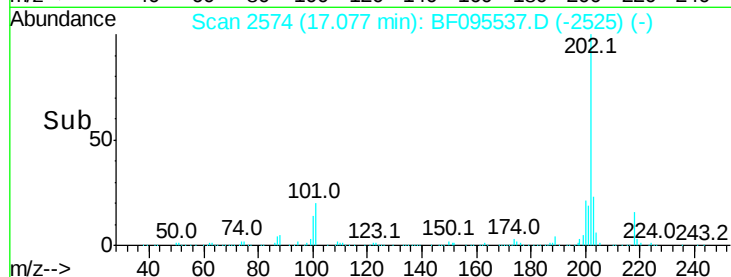
203 21.6 14.4 21.6



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: 54.90 ng

RT: 17.31 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

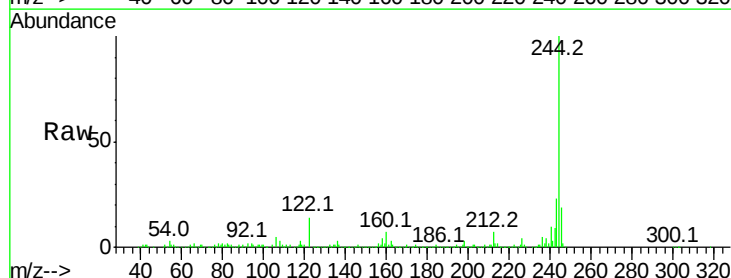
Tgt Ion:244 Resp: 513669

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

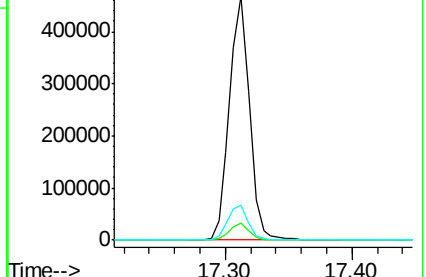
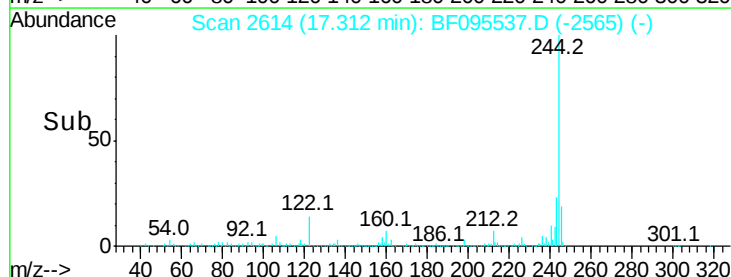
122 14.2 10.3 15.5

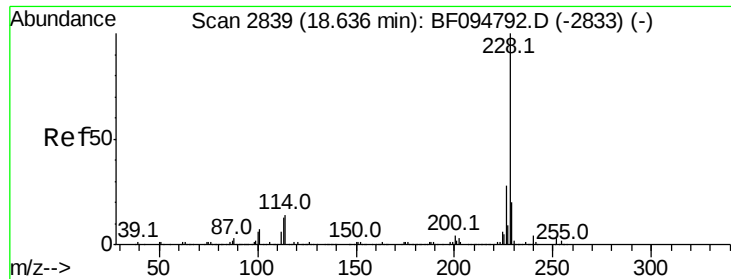


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 14.38 ng

RT: 18.66 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

Instrument :

BNA_F

ClientSampleId :

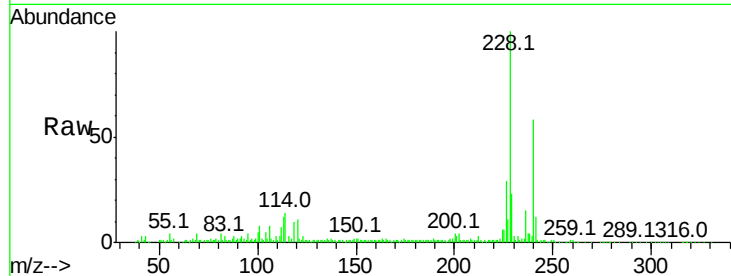
Tot Ion:228 Resp: 172438

Ion Ratio Lower Upper

228 100

226 29.5 22.6 33.8

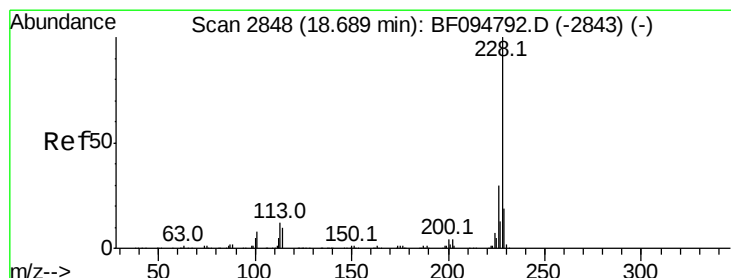
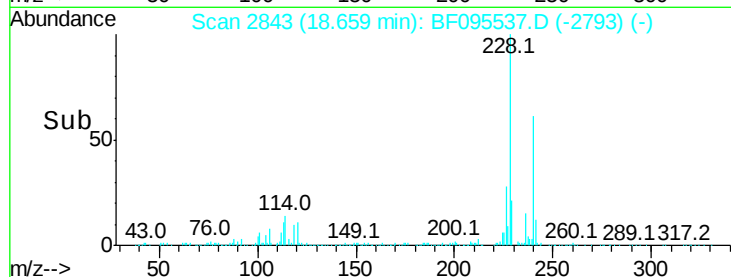
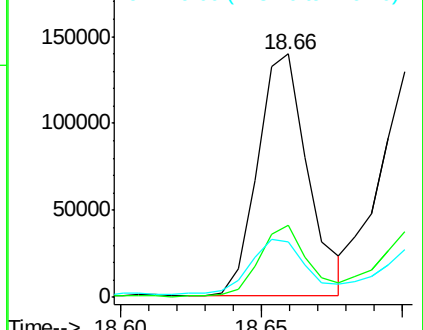
229 22.6 16.3 24.5



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: 14.85 ng

RT: 18.70 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

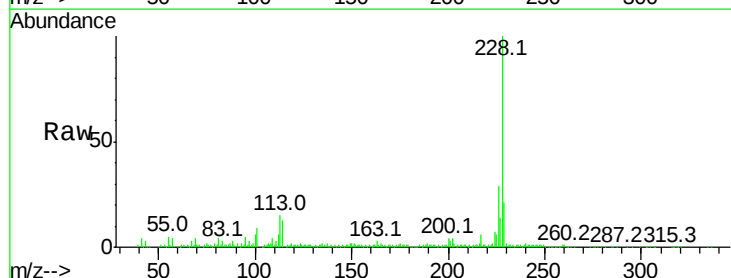
Tgt Ion:228 Resp: 172193

Ion Ratio Lower Upper

228 100

226 29.2 24.9 37.3

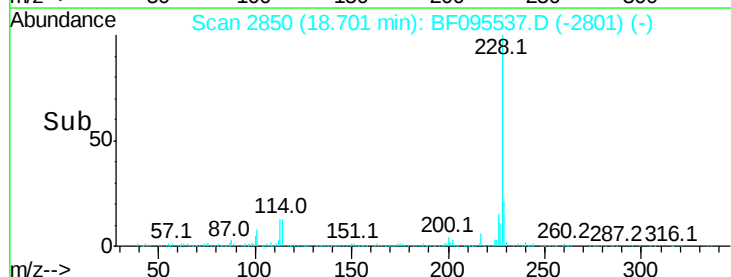
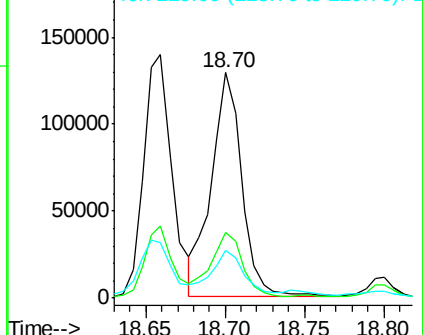
229 21.1 15.8 23.6

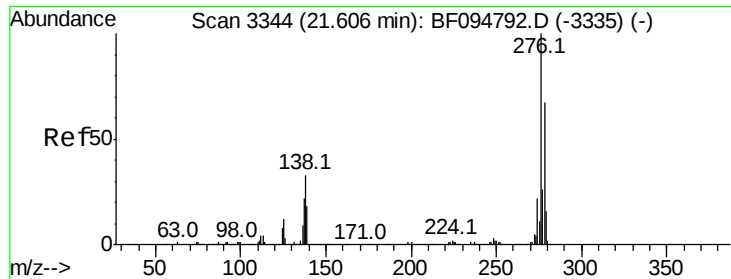


Abundance Ion 228.00 (227.70 to 228.70): E

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: 7.22 ng

RT: 21.69 min Scan# 3358

Delta R.T. 0.01 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

Instrument :

BNA_F

ClientSampleId :

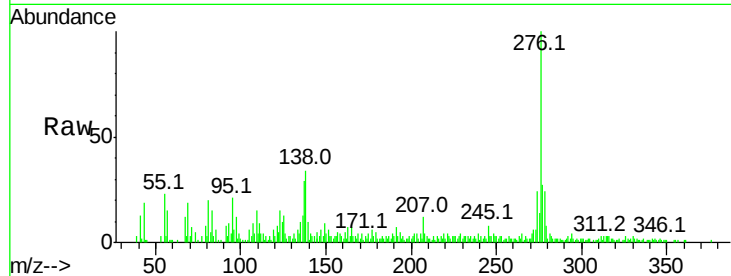
Tot Ion:276 Resp: 68000

Ion Ratio Lower Upper

276 100

138 30.5 27.8 41.6

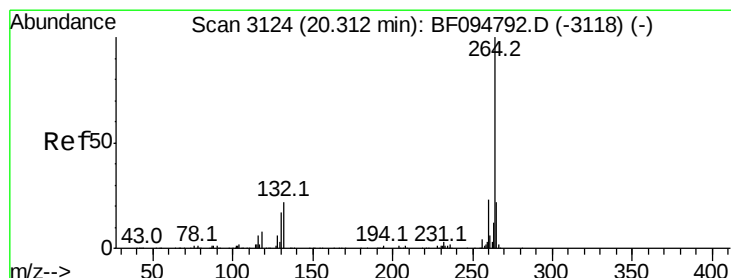
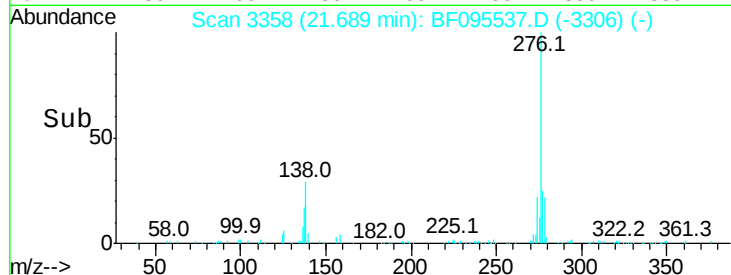
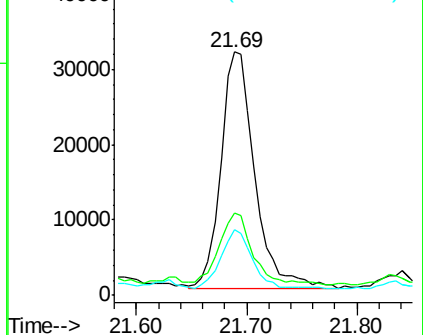
277 22.5 20.2 30.4



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

Perylene-d12

Concen: 20.00 ng

RT: 20.35 min Scan# 3131

Delta R.T. 0.00 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

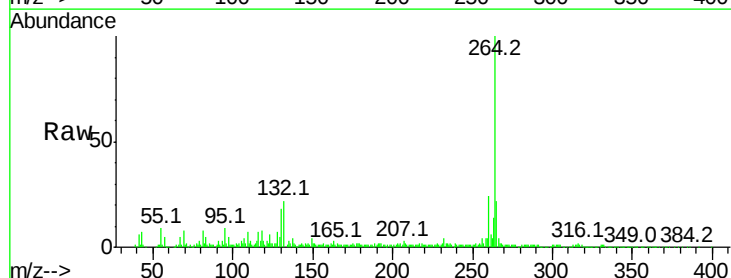
Tgt Ion:264 Resp: 169686

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

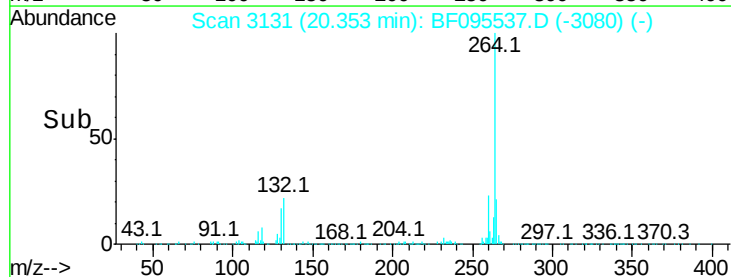
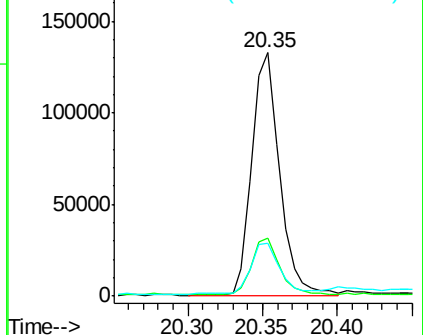
265 21.9 17.2 25.8

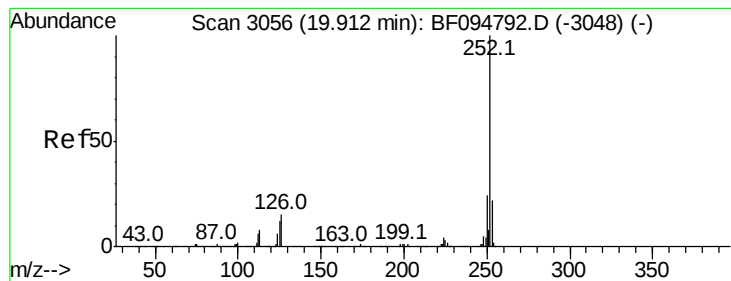


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 25.76 ng

RT: 19.94 min Scan# 3061

Delta R.T. 0.00 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

Instrument :

BNA_F

ClientSampleId :

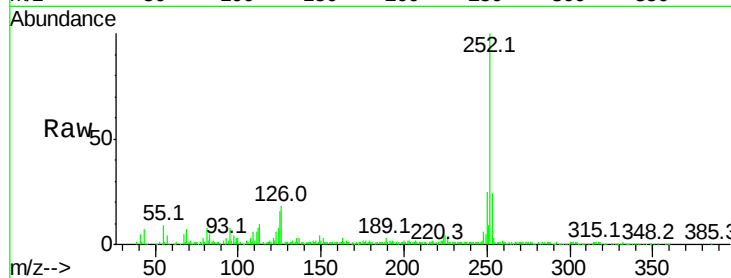
Tot Ion:252 Resp: 270068

Ion Ratio Lower Upper

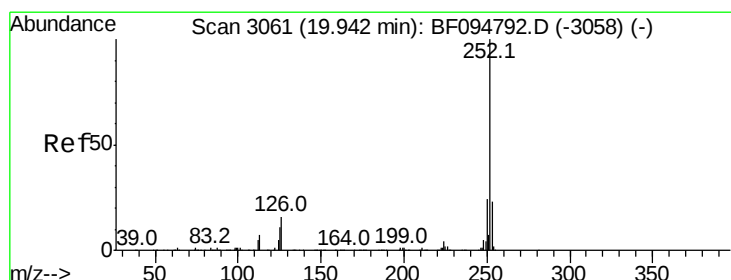
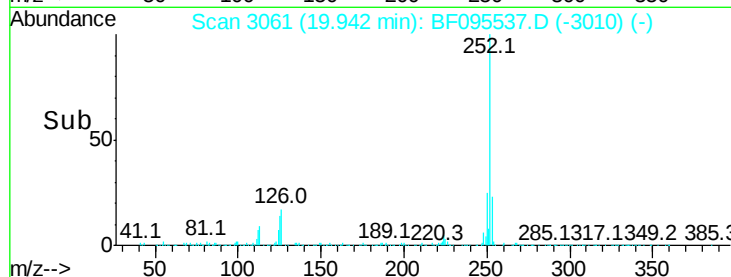
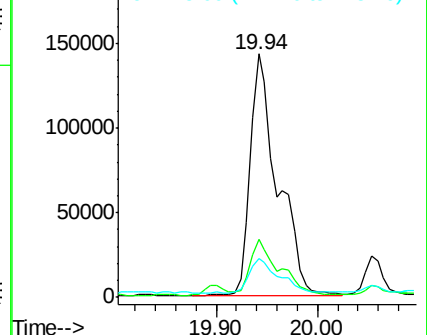
252 100

253 23.7 18.1 27.1

125 15.9 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: 26.70 ng

RT: 19.94 min Scan# 3061

Delta R.T. -0.03 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

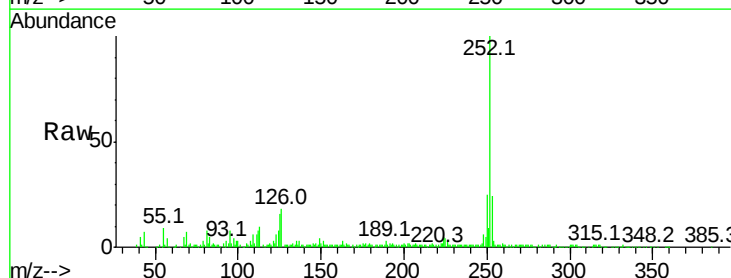
Tgt Ion:252 Resp: 270068

Ion Ratio Lower Upper

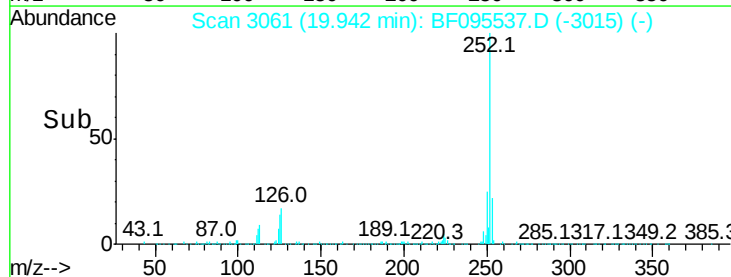
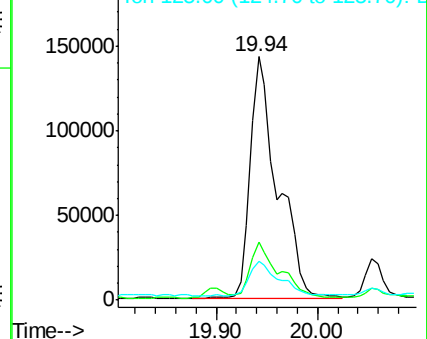
252 100

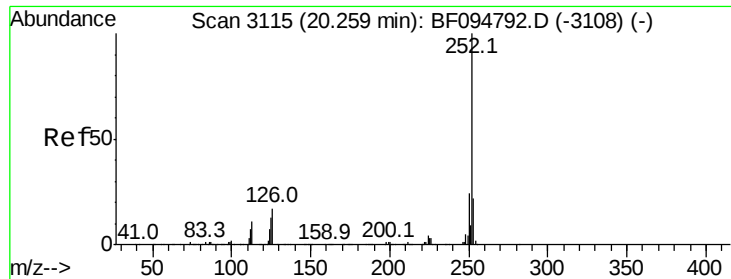
253 23.7 18.4 27.6

125 15.9 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

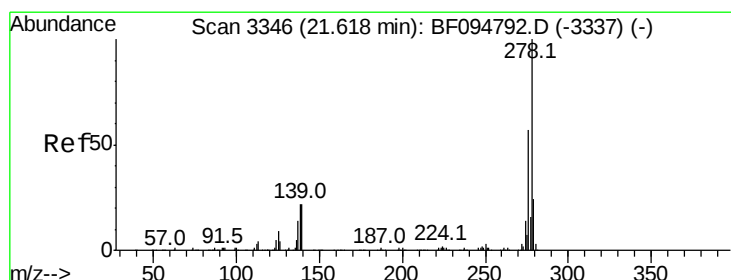
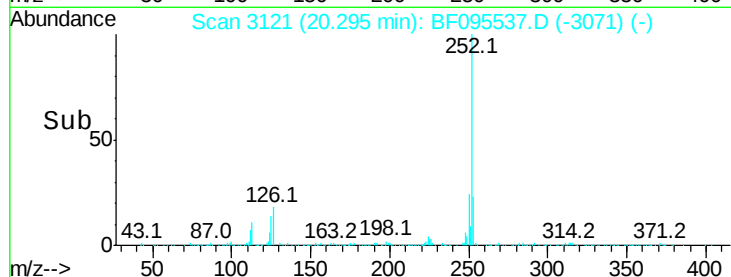
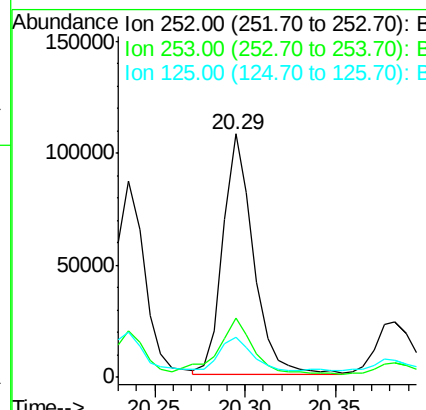
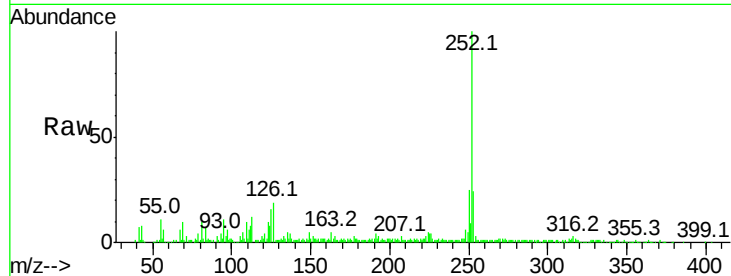




#89
Benzo(a)pyrene
Concen: 12.91 ng
RT: 20.29 min Scan# 3121
Delta R.T. -0.01 min
Lab File: BF095537.D
Acq: 30 May 2017 16:07

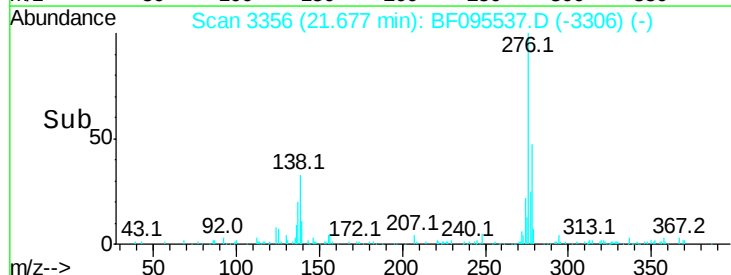
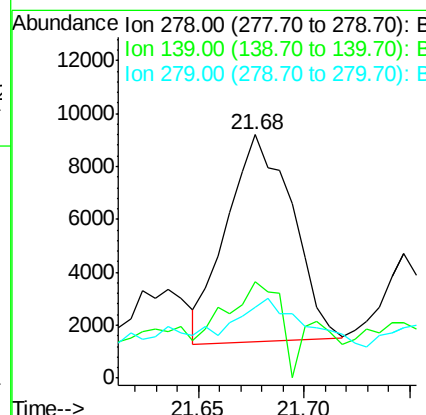
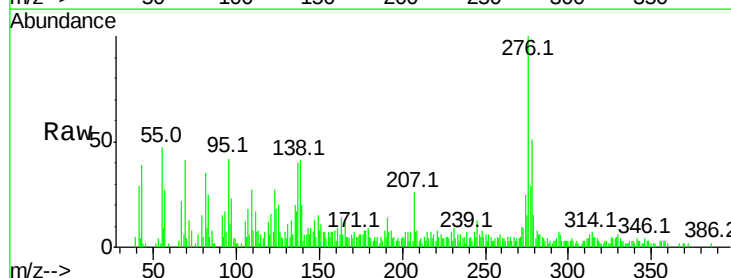
Instrument :
BNA_F
ClientSampled :

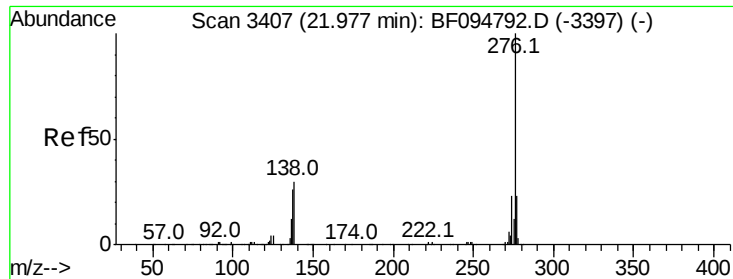
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	16.2	11.0	16.4



#90
Dibenzo(a,h)anthracene
Concen: 2.10 ng
RT: 21.68 min Scan# 3356
Delta R.T. -0.01 min
Lab File: BF095537.D
Acq: 30 May 2017 16:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	39.4	16.6	24.8#
279	28.9	19.3	28.9#





#91

Benzo(a,h,i)perylene

Concen: 8.63 ng

RT: 22.08 min Scan# 3424

Delta R.T. 0.01 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

Instrument :

BNA_F

ClientSampleId :

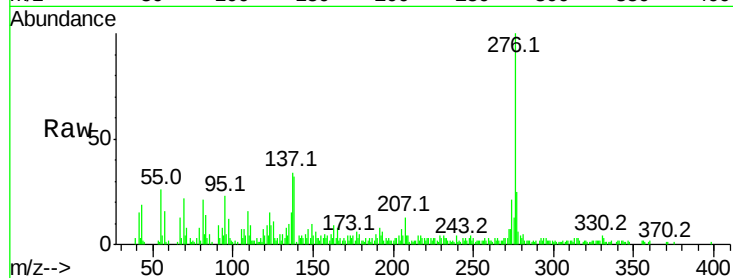
Tot Ion:276 Resp: 67632

Ion Ratio Lower Upper

276 100

277 25.0 18.6 28.0

138 32.5 25.4 38.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

