

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052717\
 Data File : BF095524.D
 Acq On : 28 May 2017 5:51
 Operator : SJ/MA
 Sample : I3281-19
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 29 01:21:06 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

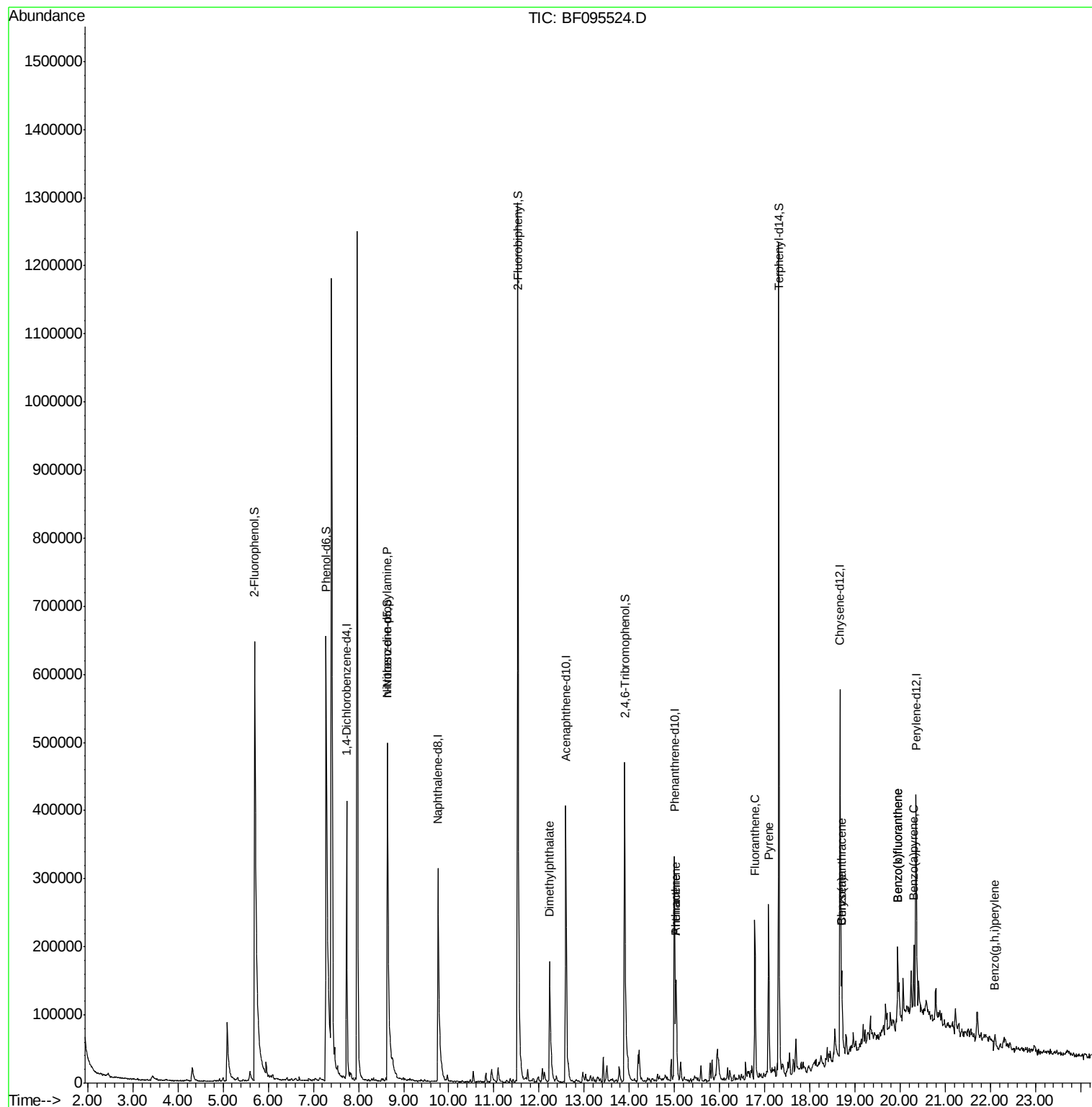
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	92861	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	352348	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	143103	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	213945	20.00	ng	0.00
75) Chrysene-d12	18.67	240	214536	20.00	ng	0.00
86) Perylene-d12	20.35	264	160197	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	591946	106.28	ng	0.00
7) Phenol-d6	7.28	99	694782	103.96	ng	-0.01
23) Nitrobenzene-d5	8.64	82	412249	73.78	ng	-0.01
41) 2,4,6-Tribromophenol	13.89	330	106880	91.20	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	764499	76.89	ng	0.00
78) Terphenyl-d14	17.31	244	476059	48.88	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.64	70	45995	10.18	ng	# 81
49) Dimethylphthalate	12.24	163	161326	13.73	ng	100
70) Phenanthrene	15.04	178	97454	7.93	ng	97
71) Anthracene	15.04	178	97454	7.76	ng	97
74) Fluoranthene	16.78	202	140248	11.12	ng	95
77) Pyrene	17.08	202	125358	7.81	ng	95
80) Benzo(a)anthracene	18.71	228	59567	4.77	ng	96
82) Chrysene	18.71	228	59567	4.93	ng	98
87) Benzo(b)fluoranthene	19.95	252	81189	8.20	ng	# 93
88) Benzo(k)fluoranthene	19.95	252	81189	8.50	ng	97
89) Benzo(a)pyrene	20.30	252	40619	4.45	ng	# 92
91) Benzo(a,h,i)perylene	22.09	276	19237	2.60	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: 7.74 min Scan# 986

Delta R.T. -0.01 min

Lab File: BF095524.D

Acq: 28 May 2017 5:51

Instrument :

BNA_F

ClientSampled :

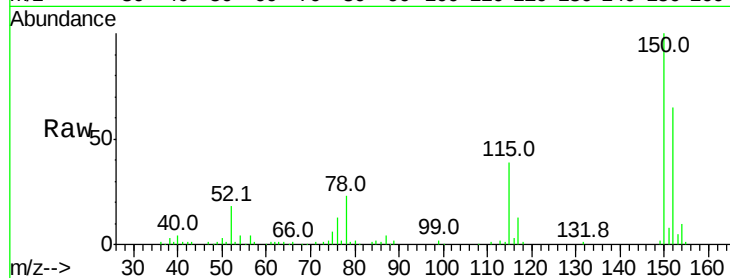
Tot Ion:152 Resp: 92861

Ion Ratio Lower Upper

152 100

150 153.5 126.2 189.2

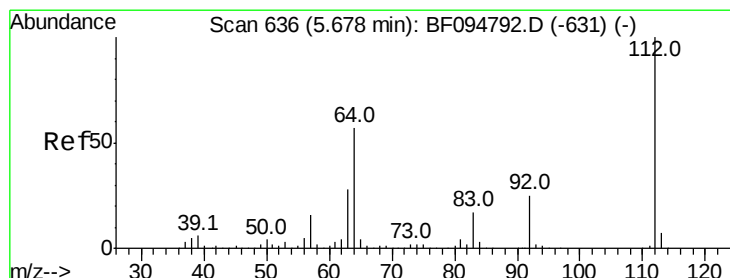
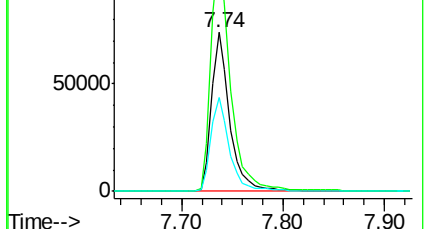
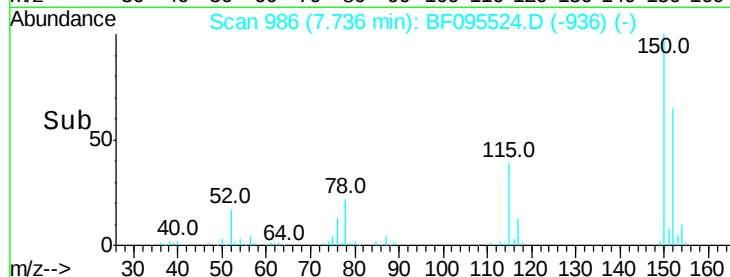
115 59.4 52.2 78.2



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: 106.28 ng

RT: 5.70 min Scan# 640

Delta R.T. -0.01 min

Lab File: BF095524.D

Acq: 28 May 2017 5:51

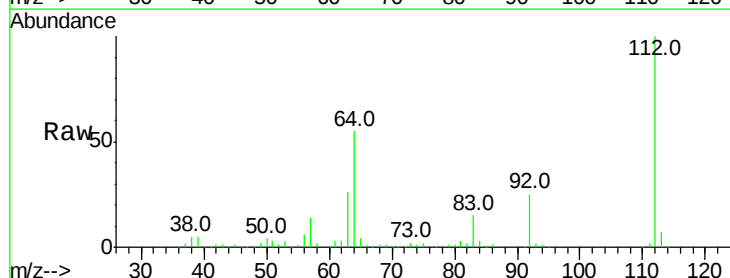
Tgt Ion:112 Resp: 591946

Ion Ratio Lower Upper

112 100

64 55.2 46.0 69.0

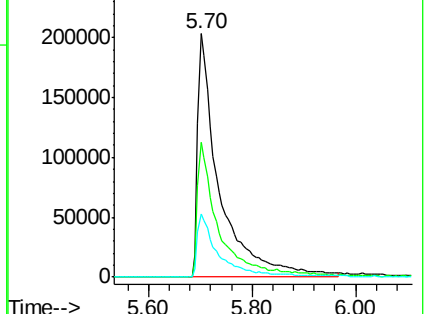
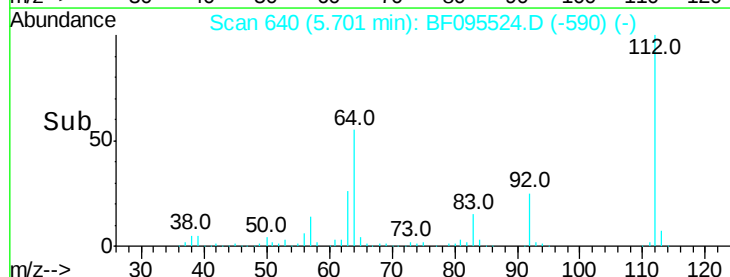
63 25.8 23.4 35.0

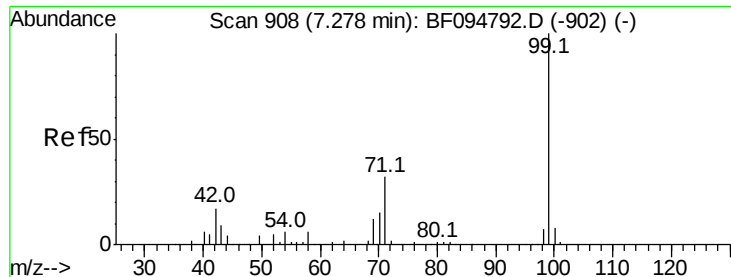


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 103.96 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF095524.D

Acq: 28 May 2017 5:51

Instrument :

BNA_F

ClientSampleId :

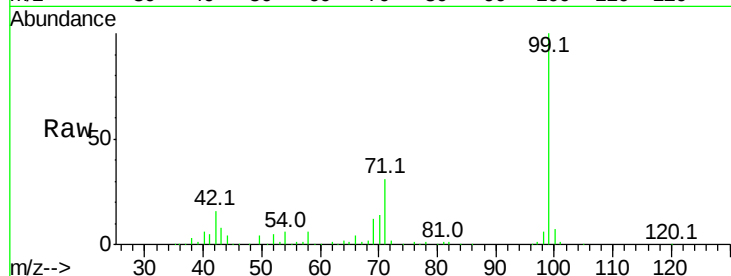
Tot Ion: 99 Resp: 694782

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

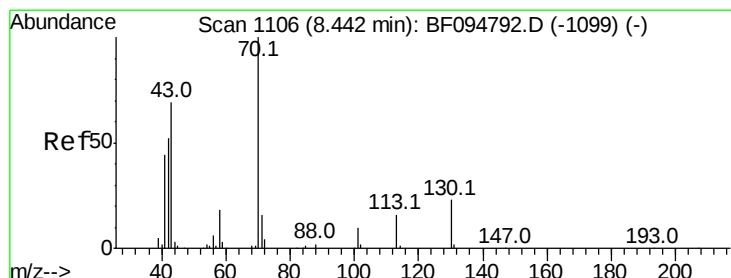
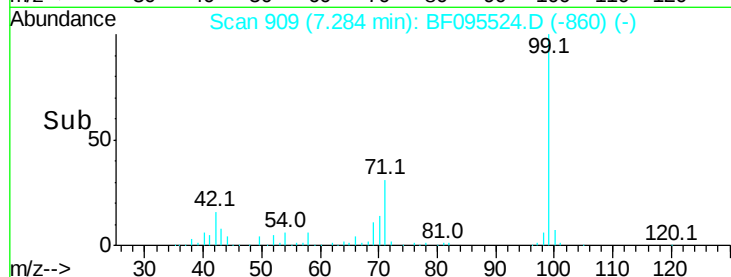
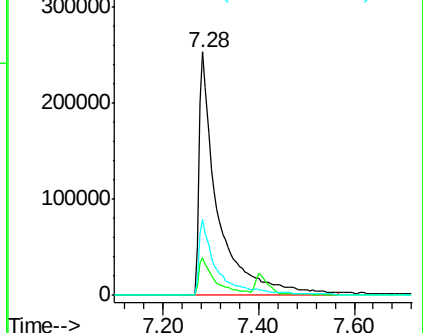
71 31.1 24.5 36.7



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: 10.18 ng

RT: 8.64 min Scan# 1140

Delta R.T. 0.18 min

Lab File: BF095524.D

Acq: 28 May 2017 5:51

Tgt Ion: 70 Resp: 45995

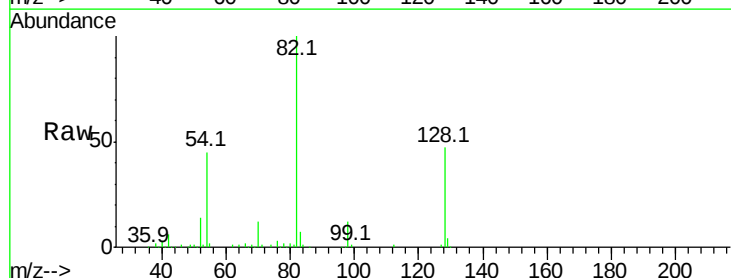
Ion Ratio Lower Upper

70 100

42 49.7 47.2 70.8

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

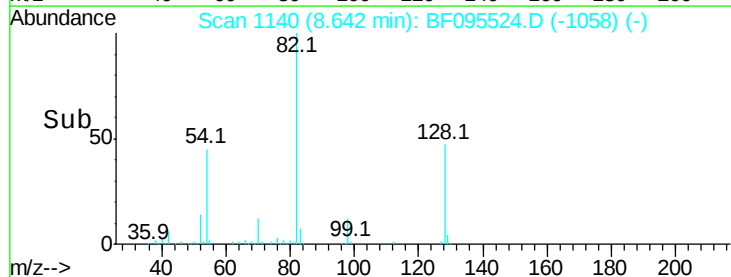
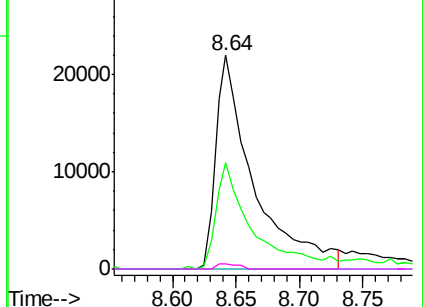


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.77 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BF095524.D

Acq: 28 May 2017 5:51

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 352348

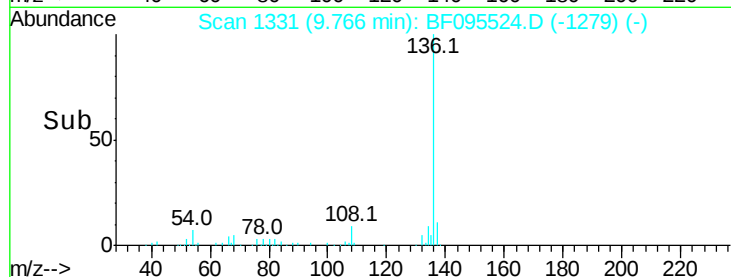
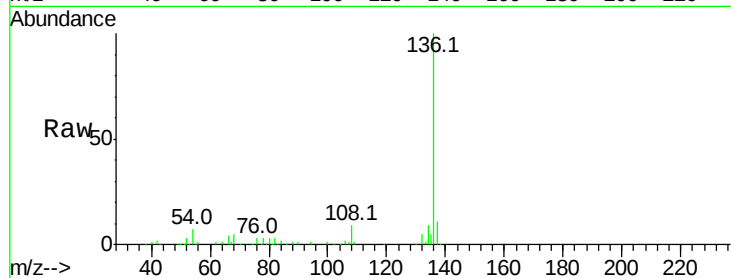
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.8 4.9 7.3

68 5.5 4.1 6.1

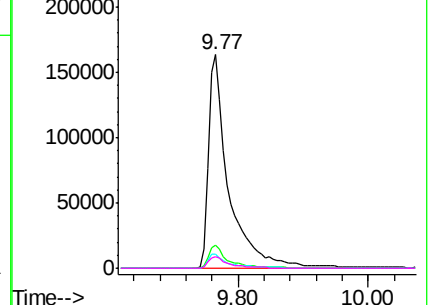


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.78 ng

RT: 8.64 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF095524.D

Acq: 28 May 2017 5:51

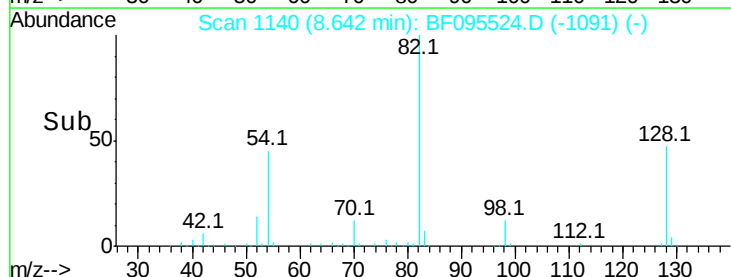
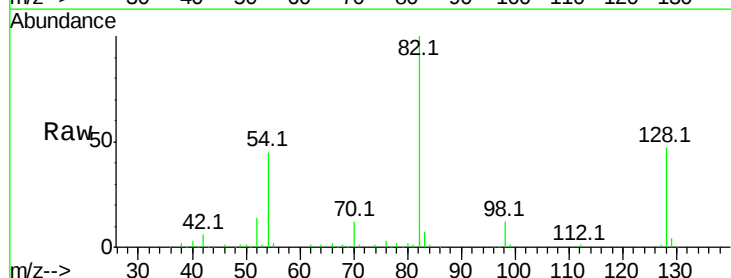
Tgt Ion: 82 Resp: 412249

Ion Ratio Lower Upper

82 100

128 47.3 34.0 51.0

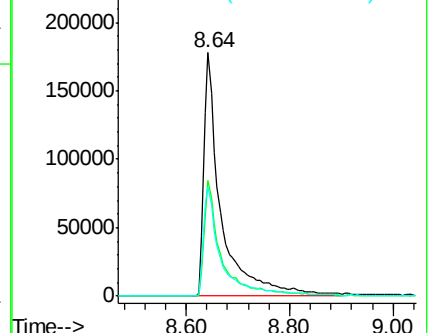
54 44.9 42.2 63.2



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# 1812

Delta R.T. 0.00 min

Lab File: BF095524.D

Acq: 28 May 2017 5:51

Instrument :

BNA_F

ClientSampleId :

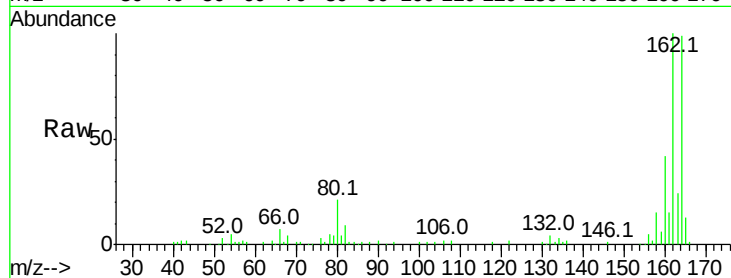
Tot Ion:164 Resp: 143103

Ion Ratio Lower Upper

164 100

162 101.4 82.6 123.8

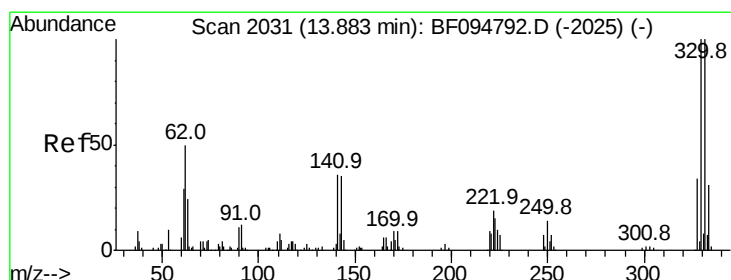
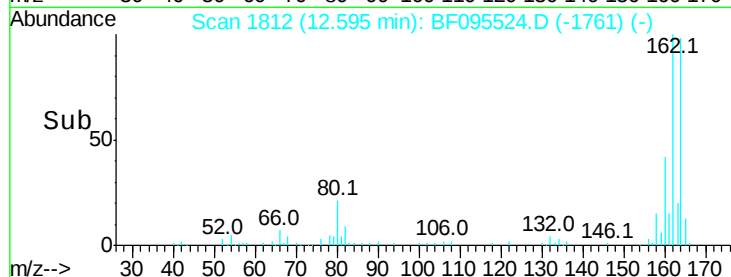
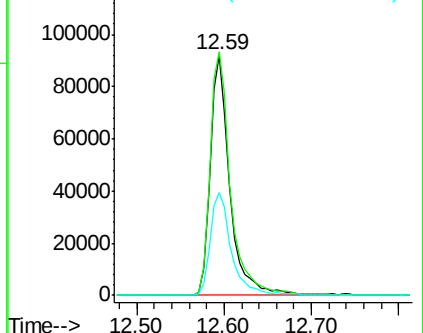
160 43.1 36.2 54.2



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: 91.20 ng

RT: 13.89 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF095524.D

Acq: 28 May 2017 5:51

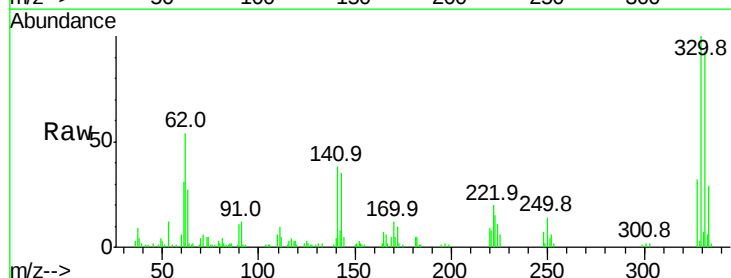
Tgt Ion:330 Resp: 106880

Ion Ratio Lower Upper

330 100

332 97.3 76.6 115.0

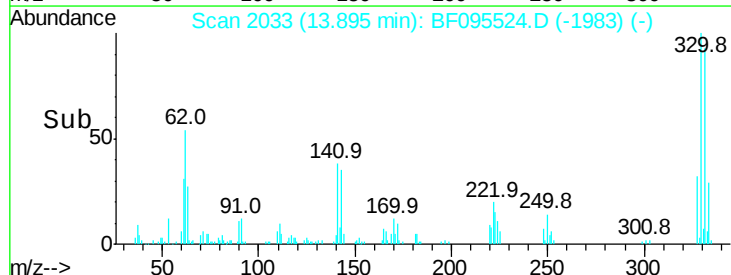
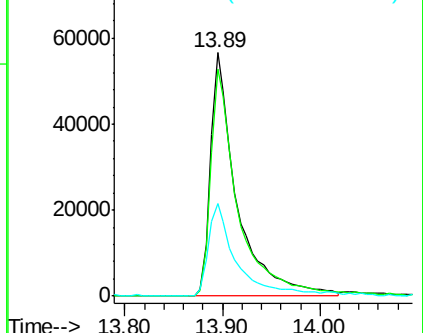
141 40.7 31.4 47.2

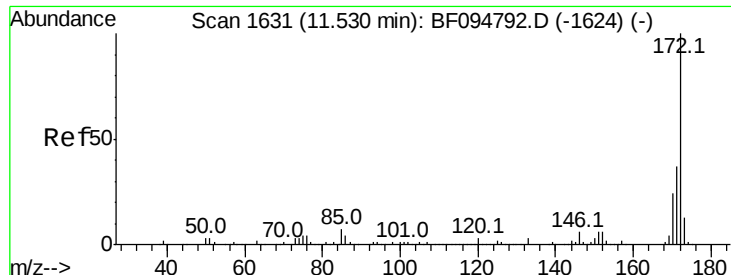


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

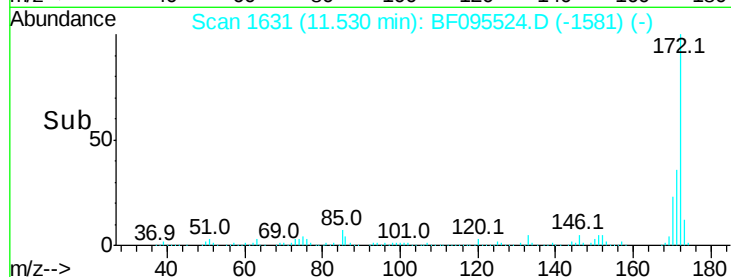
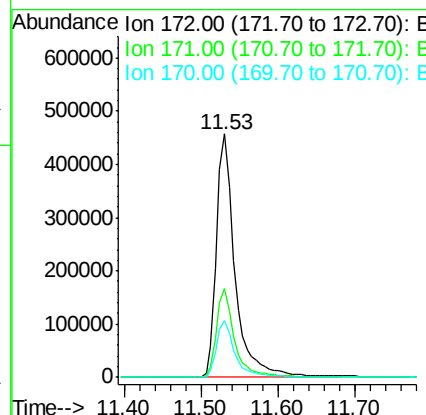
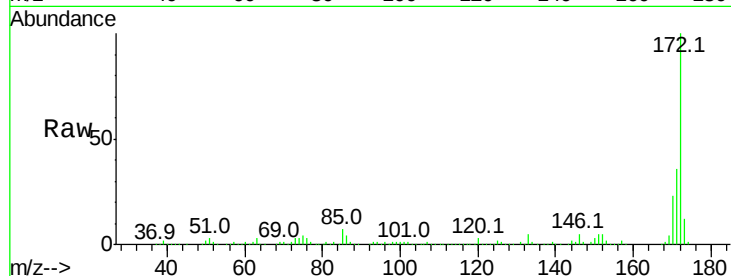




#44
 2-Fluorobiphenyl
 Concen: 76.89 ng
 RT: 11.53 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BF095524.D
 Acq: 28 May 2017 5:51

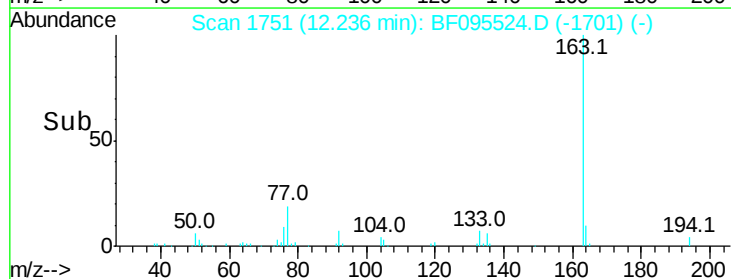
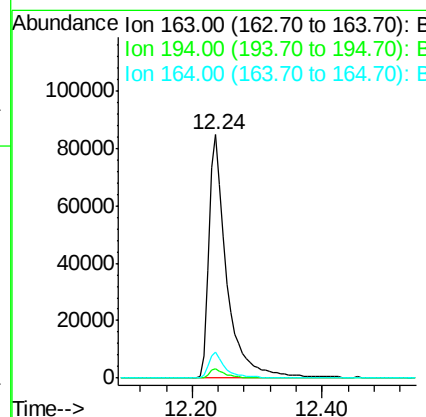
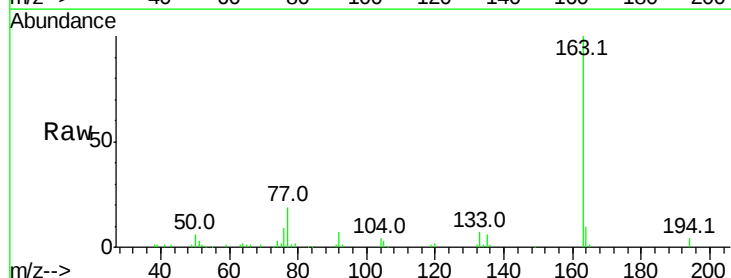
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	23.2	19.8	29.8



#49
 Dimethylphthalate
 Concen: 13.73 ng
 RT: 12.24 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BF095524.D
 Acq: 28 May 2017 5:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	10.4	8.4	12.6

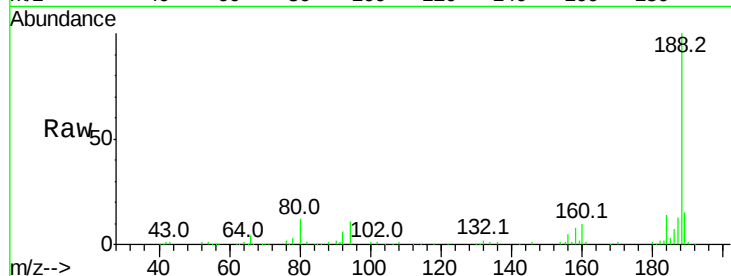




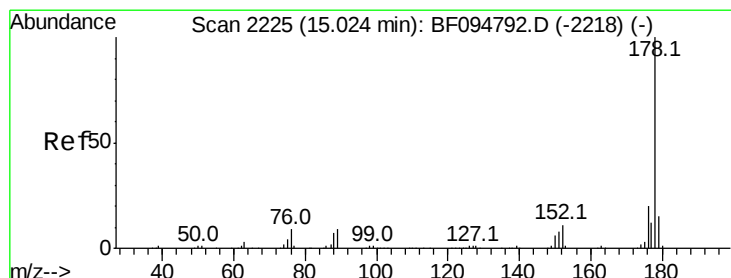
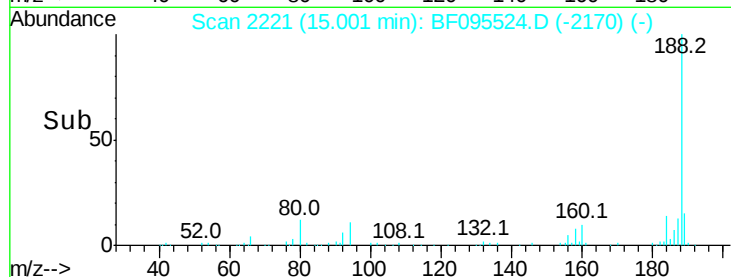
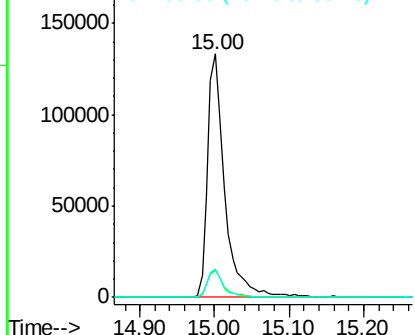
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. -0.00 min
 Lab File: BF095524.D
 Acq: 28 May 2017 5:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 213945
 Ion Ratio Lower Upper
 188 100
 94 11.4 9.4 14.2
 80 11.5 10.2 15.2

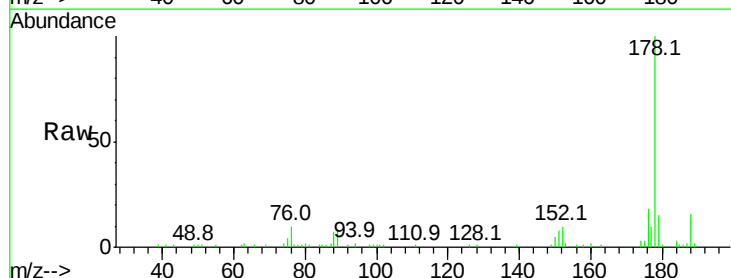


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

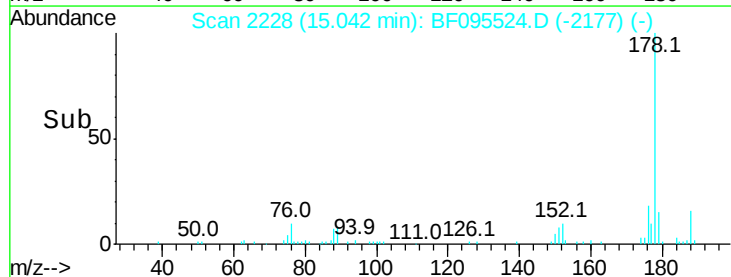
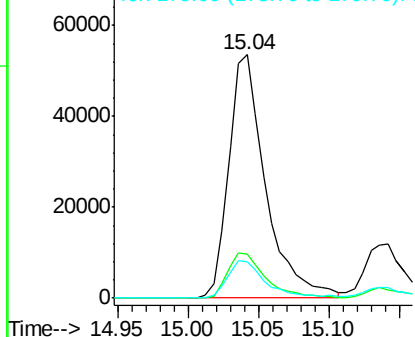


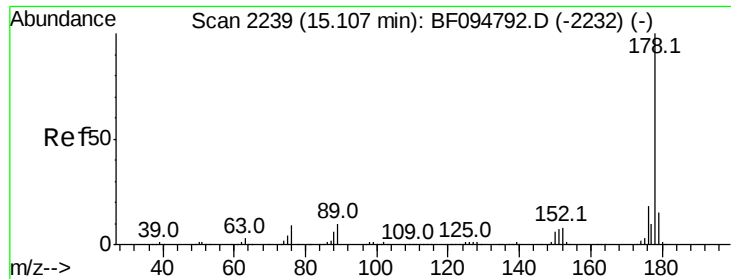
#70
 Phenanthrene
 Concen: 7.93 ng
 RT: 15.04 min Scan# 2228
 Delta R.T. 0.00 min
 Lab File: BF095524.D
 Acq: 28 May 2017 5:51

Tgt Ion:178 Resp: 97454
 Ion Ratio Lower Upper
 178 100
 176 18.1 16.2 24.4
 179 15.1 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

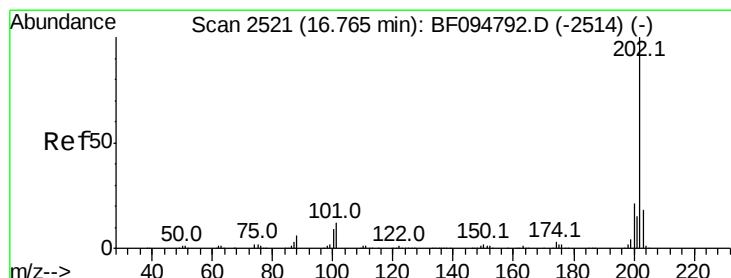
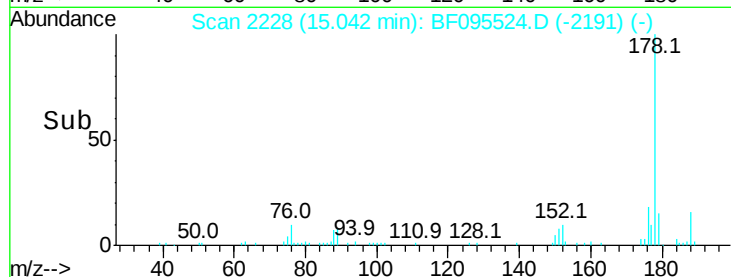
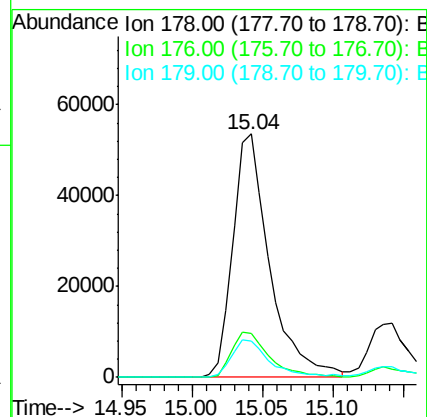
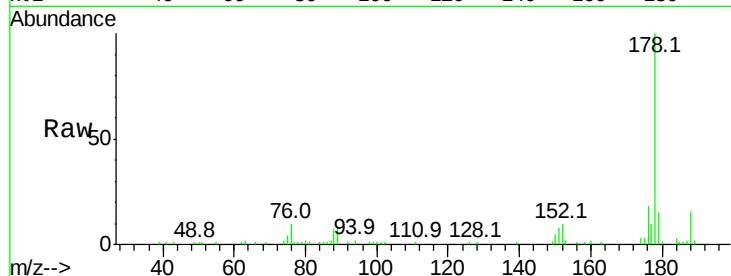




#71
 Anthracene
 Concen: 7.76 ng
 RT: 15.04 min Scan# 2228
 Delta R.T. -0.08 min
 Lab File: BF095524.D
 Acq: 28 May 2017 5:51

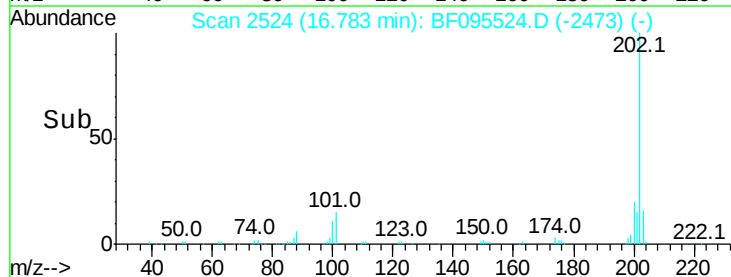
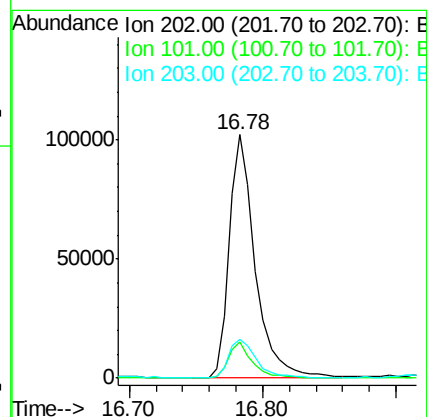
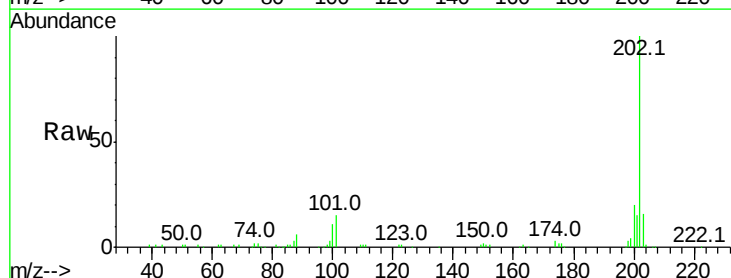
Instrument :
 BNA_F
 ClientSampleId :

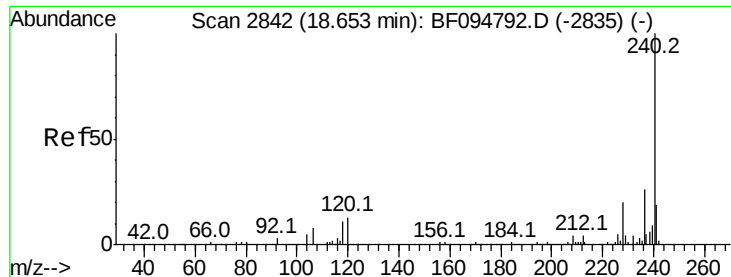
Tot Ion:178 Resp: 97454
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.8 23.8
 179 15.1 12.7 19.1



#74
 Fluoranthene
 Concen: 11.12 ng
 RT: 16.78 min Scan# 2524
 Delta R.T. 0.00 min
 Lab File: BF095524.D
 Acq: 28 May 2017 5:51

Tgt Ion:202 Resp: 140248
 Ion Ratio Lower Upper
 202 100
 101 15.1 0.0 33.2
 203 15.8 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: BF095524.D

Acq: 28 May 2017 5:51

Instrument :

BNA_F

ClientSampleId :

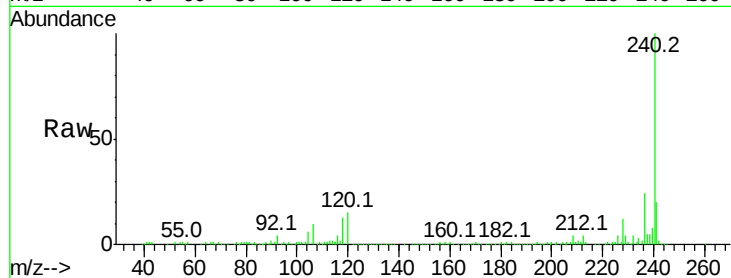
Tot Ion:240 Resp: 214536

Ion Ratio Lower Upper

240 100

120 15.2 5.8 8.8#

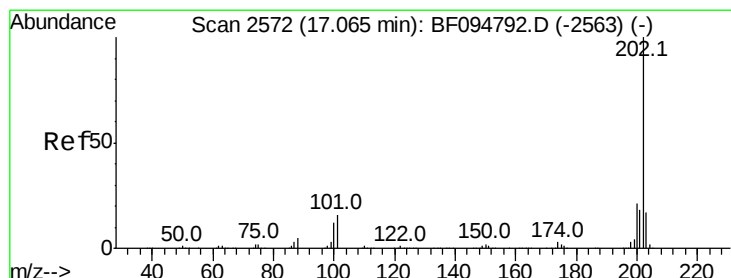
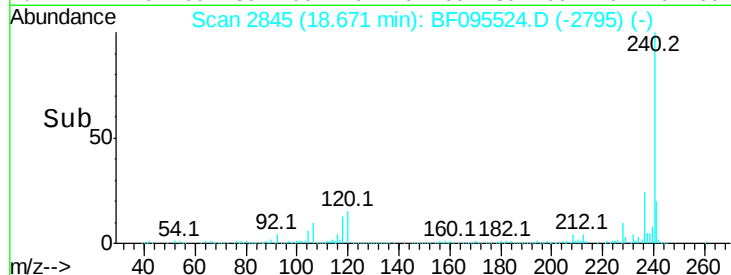
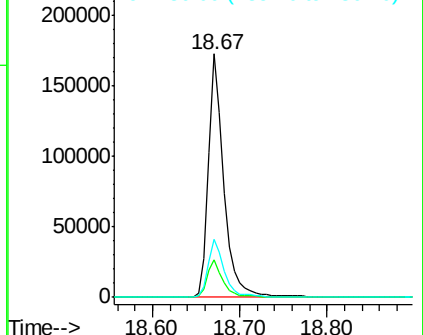
236 24.0 20.5 30.7



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

Pyrene

Concen: 7.81 ng

RT: 17.08 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BF095524.D

Acq: 28 May 2017 5:51

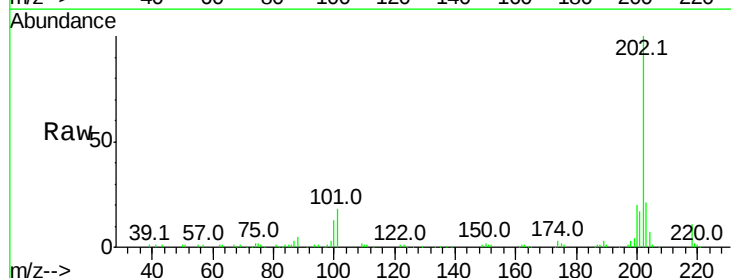
Tgt Ion:202 Resp: 125358

Ion Ratio Lower Upper

202 100

200 20.0 17.6 26.4

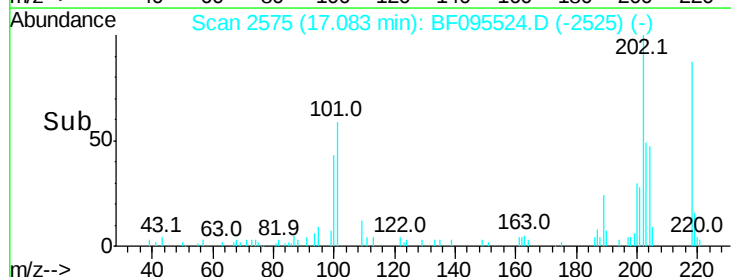
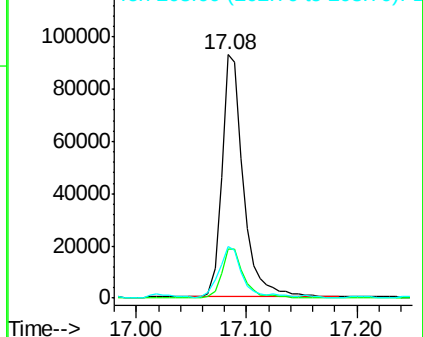
203 21.0 14.4 21.6



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

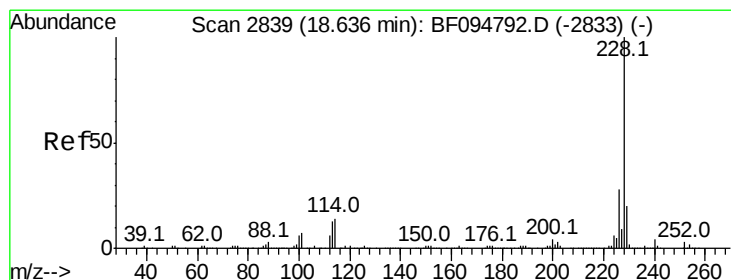
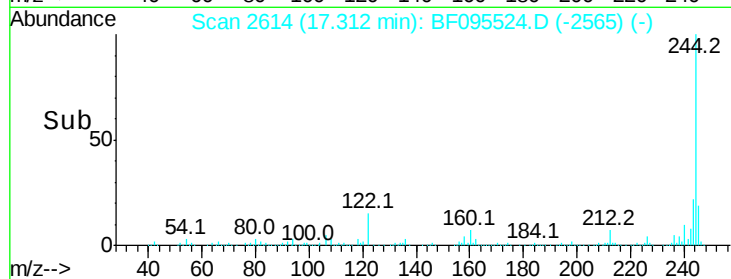
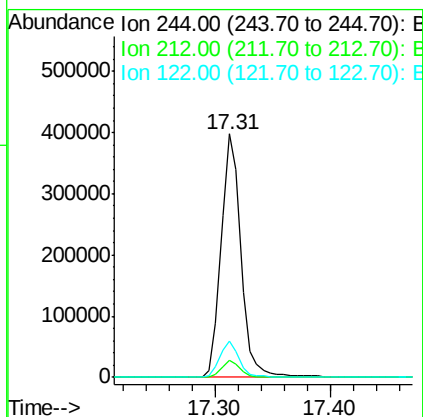
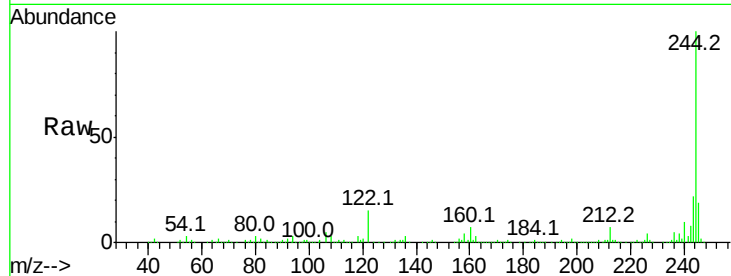




#78
 Terphenyl-d14
 Concen: 48.88 ng
 RT: 17.31 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BF095524.D
 Acq: 28 May 2017 5:51

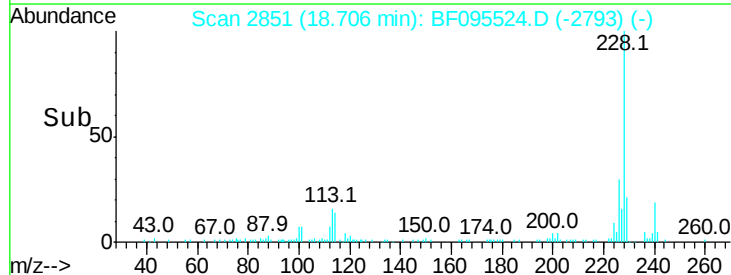
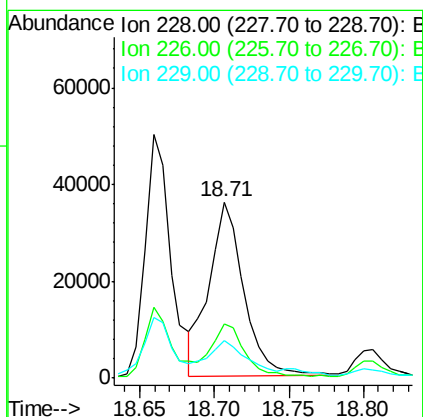
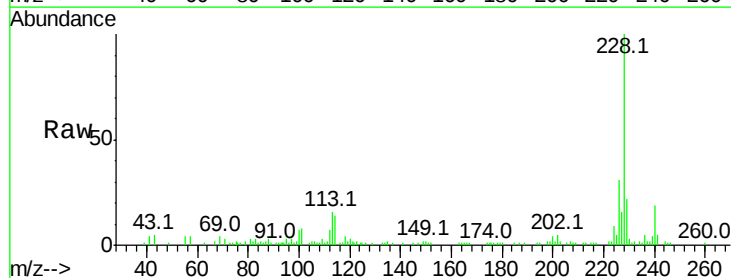
Instrument :
 BNA_F
 ClientSampleId :

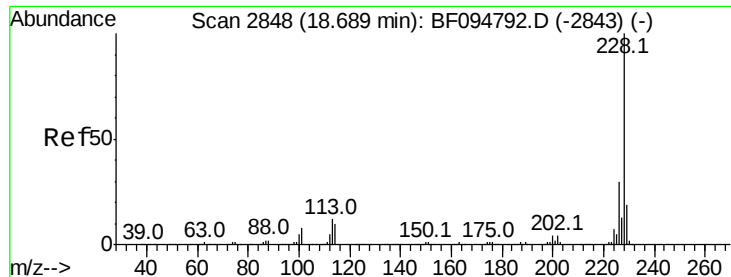
Tot Ion:244 Resp: 476059
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 14.8 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 4.77 ng
 RT: 18.71 min Scan# 2851
 Delta R.T. 0.04 min
 Lab File: BF095524.D
 Acq: 28 May 2017 5:51

Tgt Ion:228 Resp: 59567
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.6 33.8
 229 21.6 16.3 24.5





#82

Chrysene

Concen: 4.93 ng

RT: 18.71 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BF095524.D

Acq: 28 May 2017 5:51

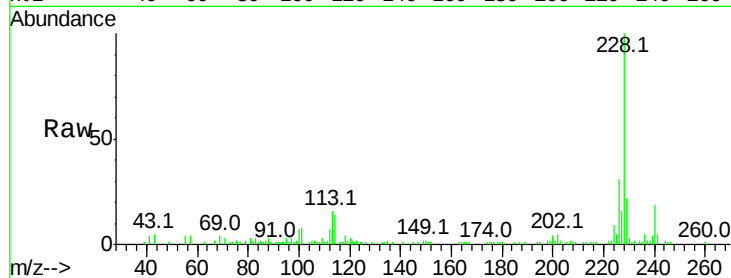
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 59567

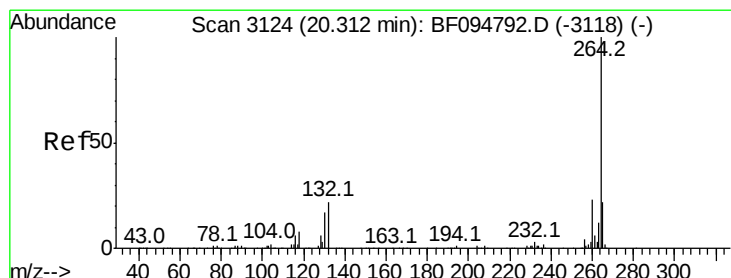
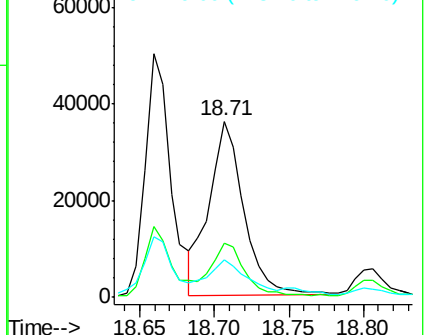
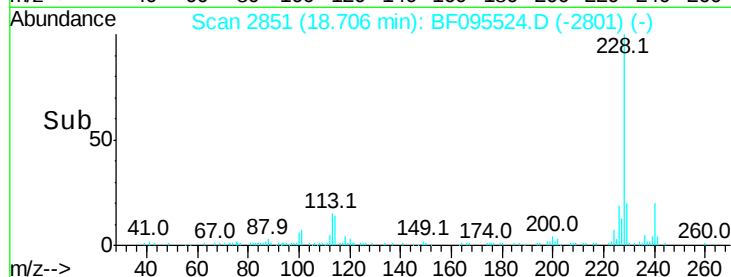
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	21.6	15.8	23.6



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

Perylene-d12

Concen: 20.00 ng

RT: 20.35 min Scan# 3131

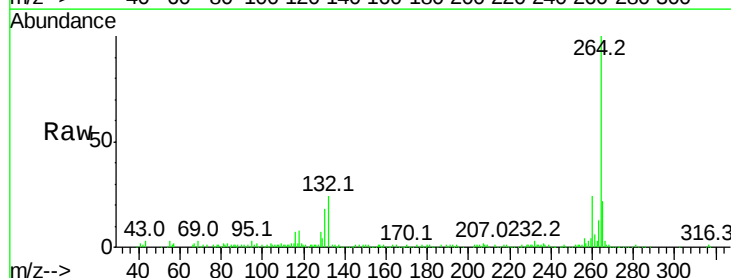
Delta R.T. 0.00 min

Lab File: BF095524.D

Acq: 28 May 2017 5:51

Tgt Ion:264 Resp: 160197

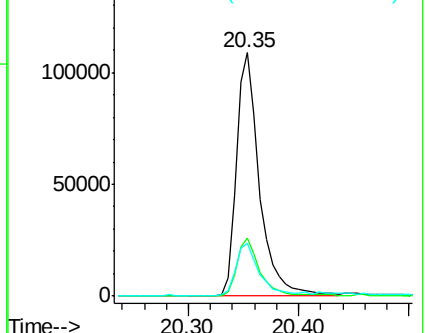
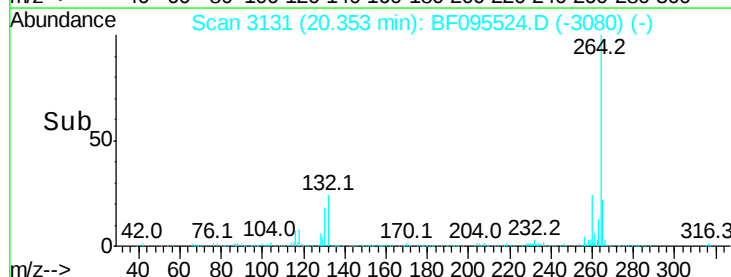
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.7	17.2	25.8

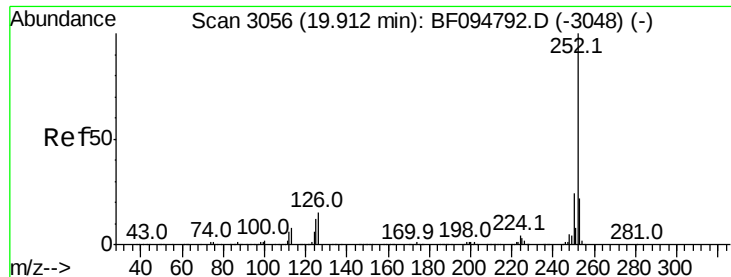


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 8.20 ng

RT: 19.95 min Scan# 3062

Delta R.T. 0.01 min

Lab File: BF095524.D

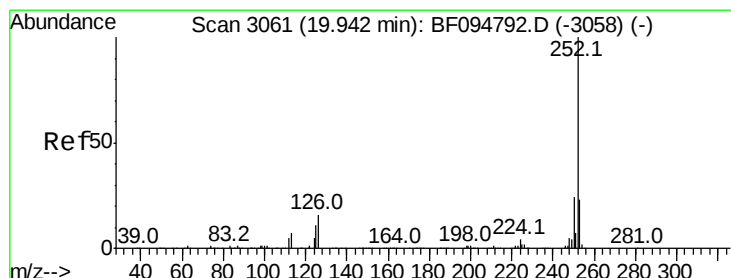
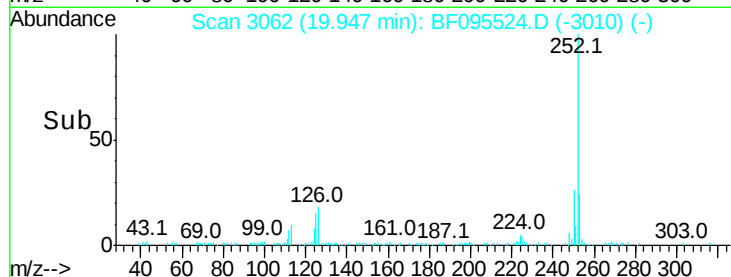
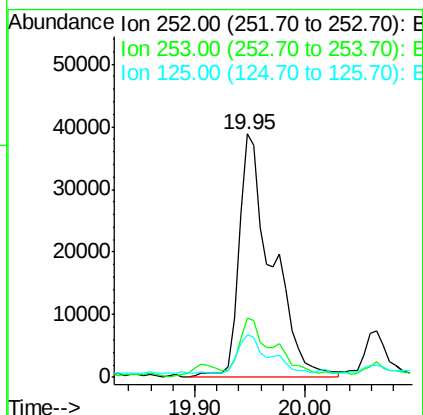
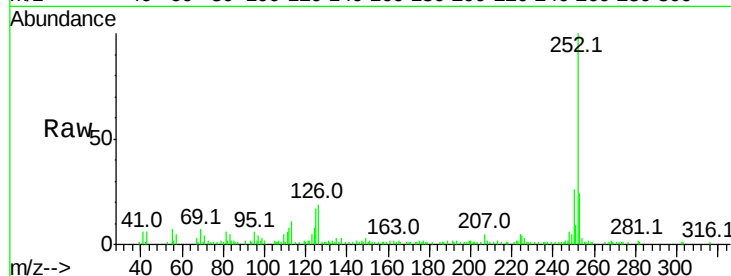
Acq: 28 May 2017 5:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	81189
Ion Ratio	Lower	Upper
252	100	
253	24.5	18.1 27.1
125	17.4	9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 8.50 ng

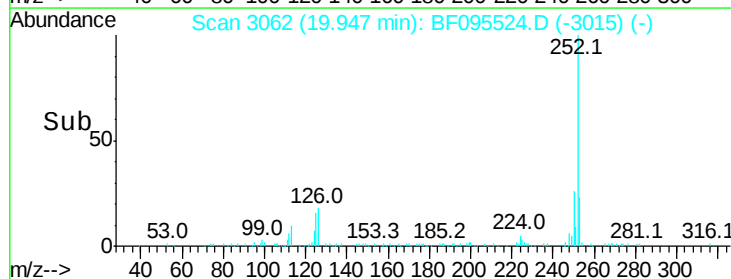
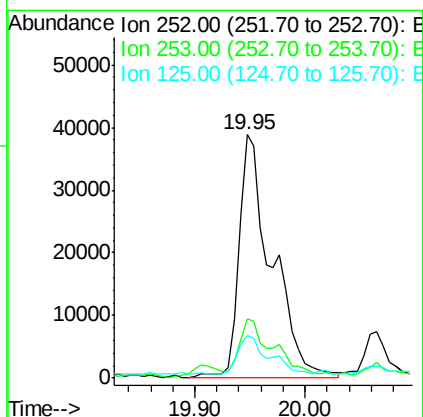
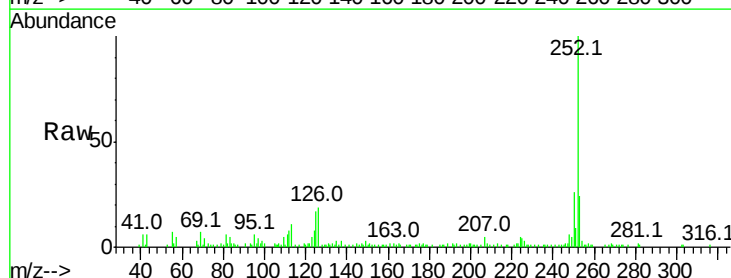
RT: 19.95 min Scan# 3062

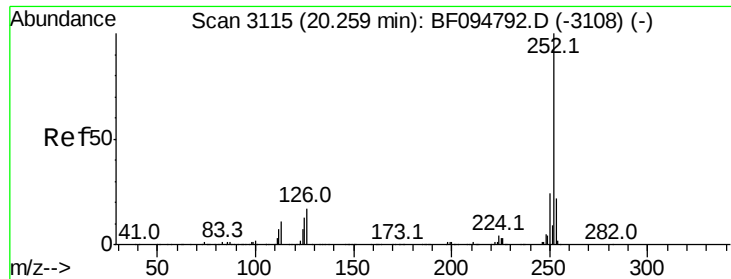
Delta R.T. -0.02 min

Lab File: BF095524.D

Acq: 28 May 2017 5:51

Tgt Ion:252	Resp:	81189
Ion Ratio	Lower	Upper
252	100	
253	24.5	18.4 27.6
125	17.4	13.1 19.7





#89

Benzo(a)pyrene

Concen: 4.45 ng

RT: 20.30 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BF095524.D

Acq: 28 May 2017 5:51

Instrument :

BNA_F

ClientSampled :

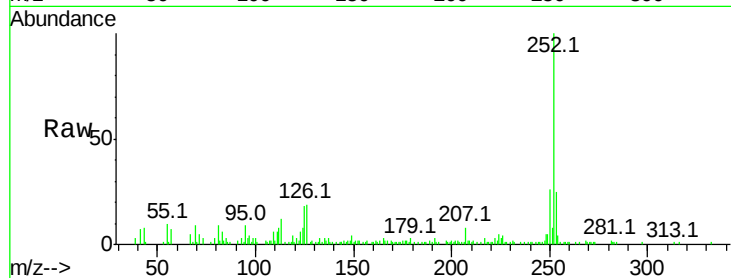
Tot Ion:252 Resp: 40619

Ion Ratio Lower Upper

252 100

253 25.1 17.5 26.3

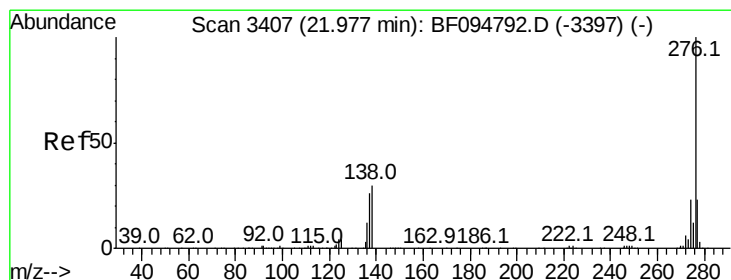
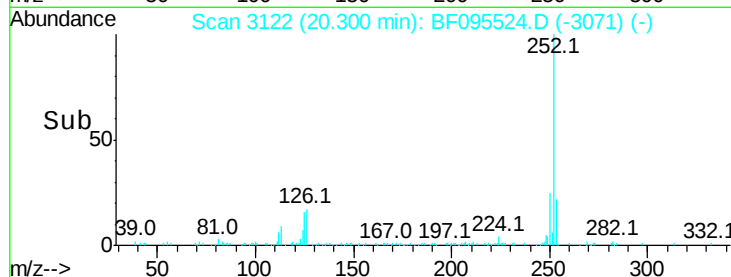
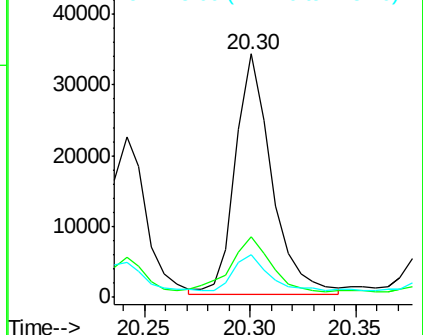
125 17.7 11.0 16.4#



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



#91

Benzo(g,h,i)perylene

Concen: 2.60 ng

RT: 22.09 min Scan# 3427

Delta R.T. 0.02 min

Lab File: BF095524.D

Acq: 28 May 2017 5:51

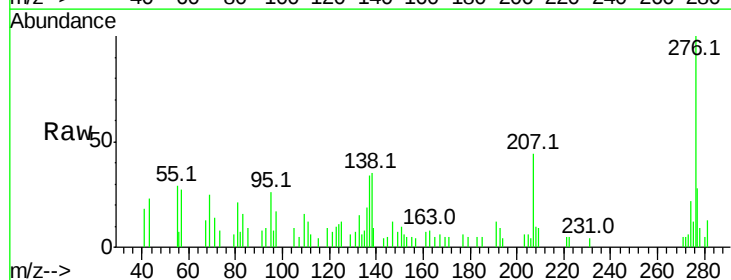
Tgt Ion:276 Resp: 19237

Ion Ratio Lower Upper

276 100

277 27.6 18.6 28.0

138 34.9 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

