

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051917\
 Data File : BF095285.D
 Acq On : 20 May 2017 3:00
 Operator : SJ/MA
 Sample : I3202-07 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 20 05:11:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

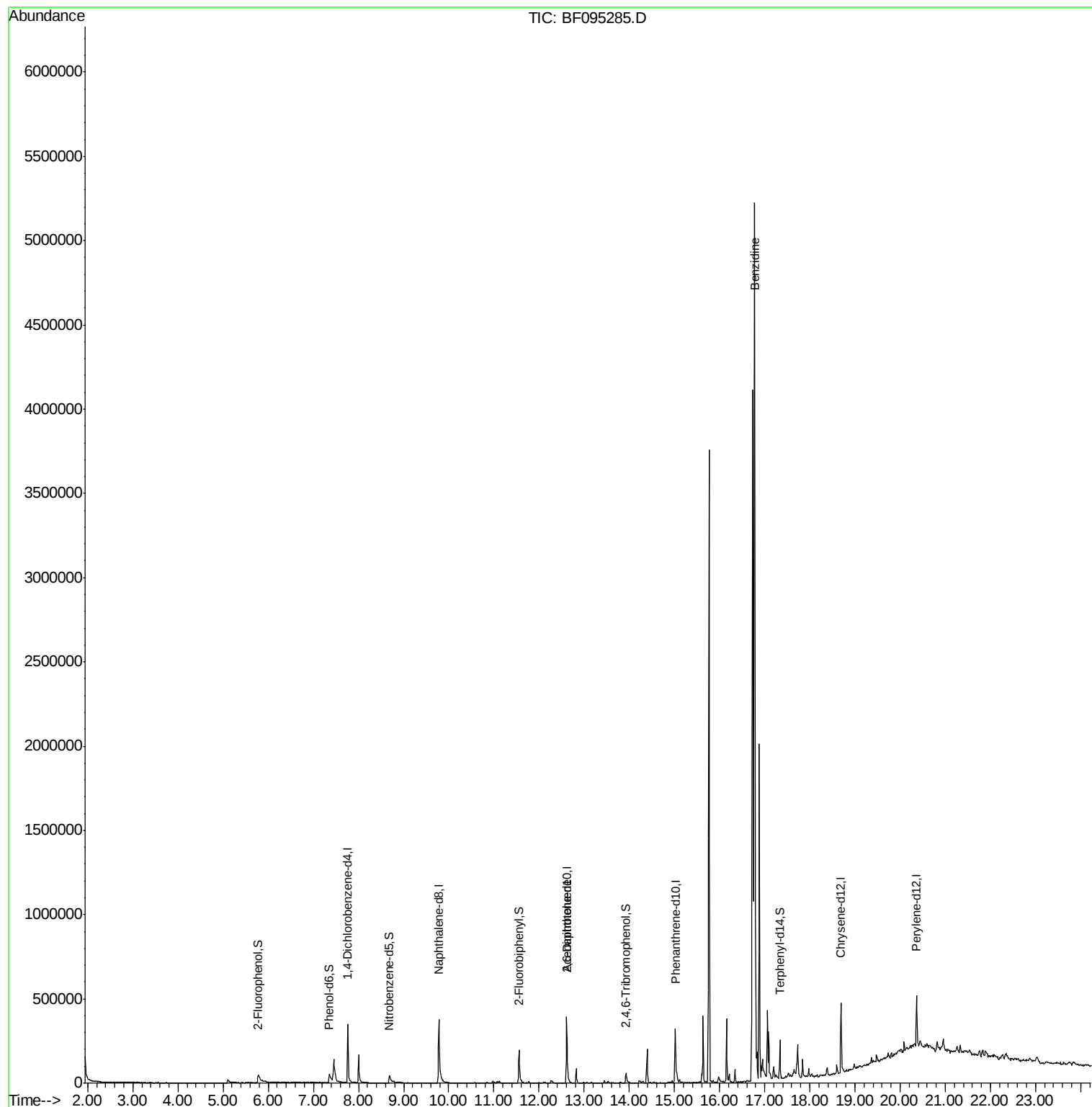
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	86361	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	349853	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	138014	20.00	ng	0.00
63) Phenanthrene-d10	15.02	188	216216	20.00	ng	0.00
75) Chrysene-d12	18.69	240	176494	20.00	ng	0.00
86) Perylene-d12	20.37	264	150595	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	61666	11.90	ng	0.04
7) Phenol-d6	7.35	99	89320	14.37	ng	0.04
23) Nitrobenzene-d5	8.68	82	54055	9.74	ng	0.01
41) 2,4,6-Tribromophenol	13.93	330	17007	15.05	ng	0.01
44) 2-Fluorobiphenyl	11.55	172	131573	13.72	ng	0.00
78) Terphenyl-d14	17.34	244	80710	10.07	ng	-0.01
Target Compounds						
50) 2,6-Dinitrotoluene	12.61	165	15176	6.57	ng	# 31
76) Benzidine	16.78	184	959	6.76	ng	# 1

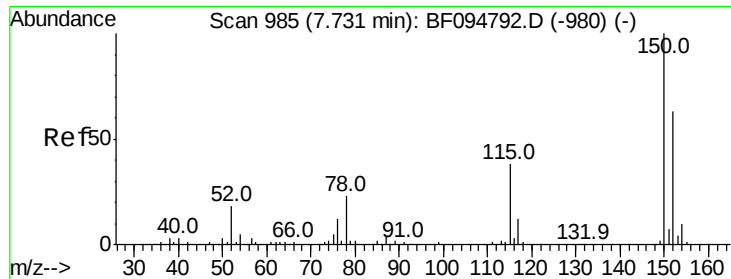
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.76 min Scan# 990

Delta R.T. -0.01 min

Lab File: BF095285.D

Acq: 20 May 2017 3:00

Instrument :

BNA_F

ClientSampled :

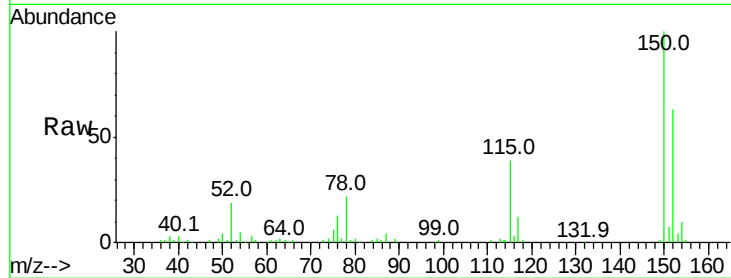
Tot Ion:152 Resp: 86361

Ion Ratio Lower Upper

152 100

150 159.8 126.2 189.2

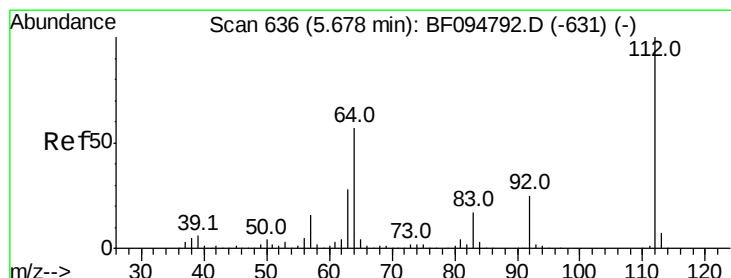
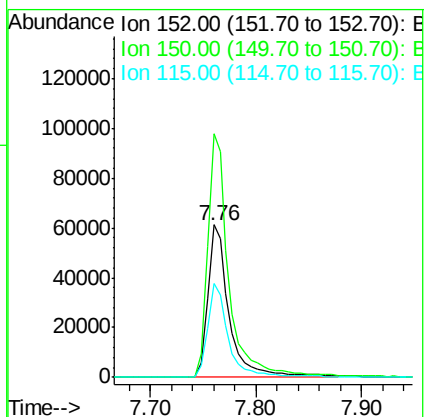
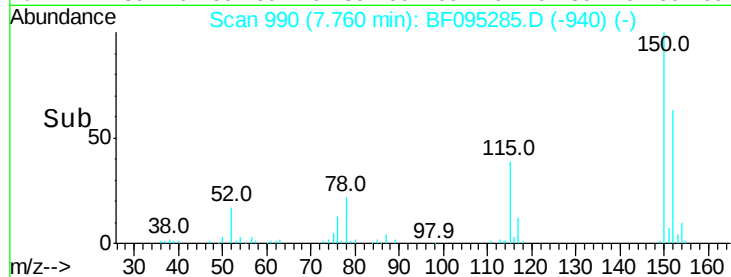
115 61.9 52.2 78.2



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: 11.90 ng

RT: 5.77 min Scan# 652

Delta R.T. 0.04 min

Lab File: BF095285.D

Acq: 20 May 2017 3:00

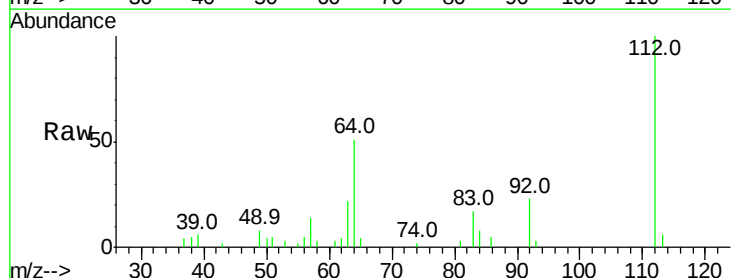
Tgt Ion:112 Resp: 61666

Ion Ratio Lower Upper

112 100

64 50.6 46.0 69.0

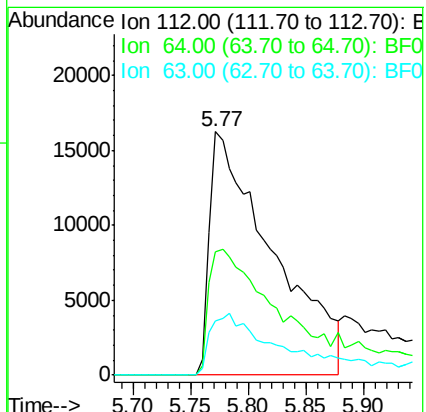
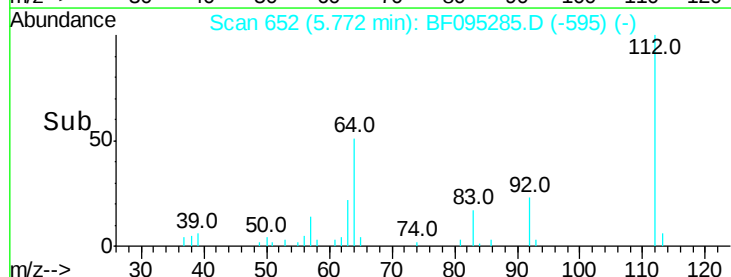
63 22.2 23.4 35.0#



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: 14.37 ng

RT: 7.35 min Scan# 920

Delta R.T. 0.04 min

Lab File: BF095285.D

Acq: 20 May 2017 3:00

Instrument :

BNA_F

ClientSampleId :

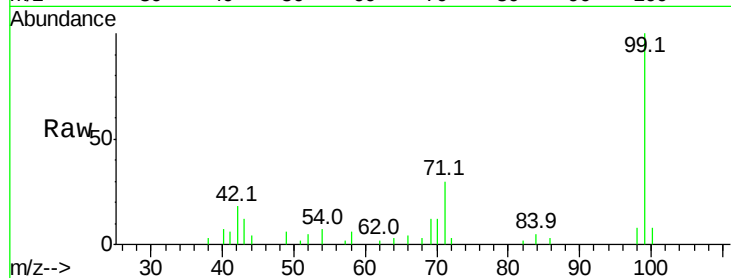
Tot Ion: 99 Resp: 89320

Ion Ratio Lower Upper

99 100

42 18.2 13.5 20.3

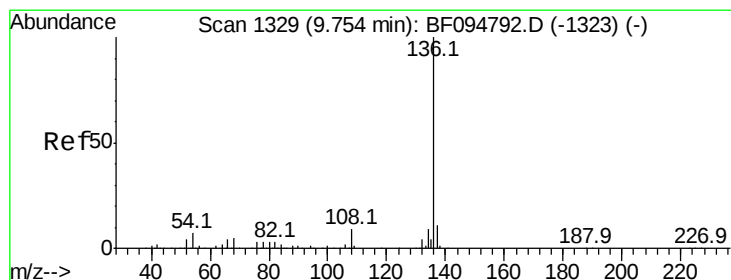
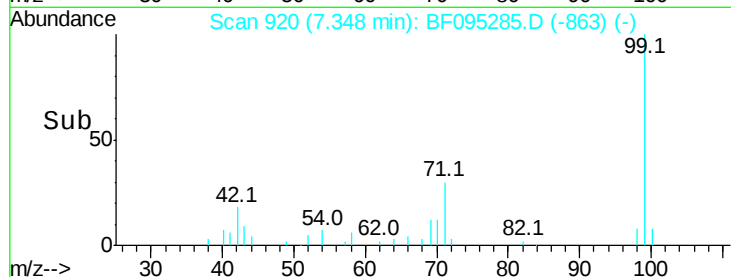
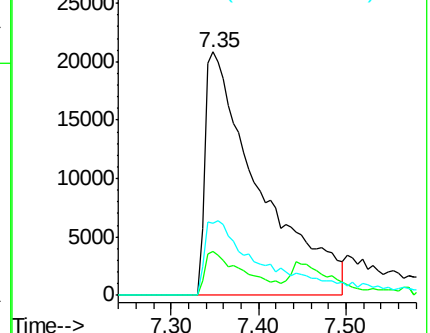
71 29.7 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.78 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF095285.D

Acq: 20 May 2017 3:00

Tgt Ion: 136 Resp: 349853

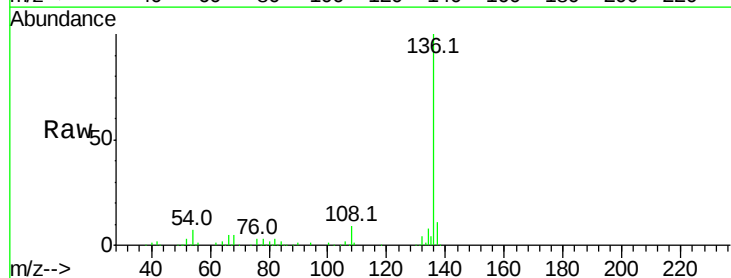
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 6.9 4.9 7.3

68 5.3 4.1 6.1

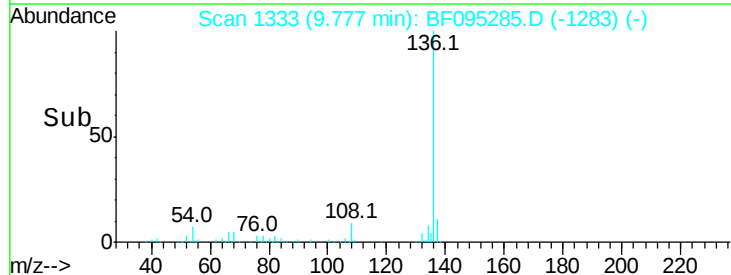
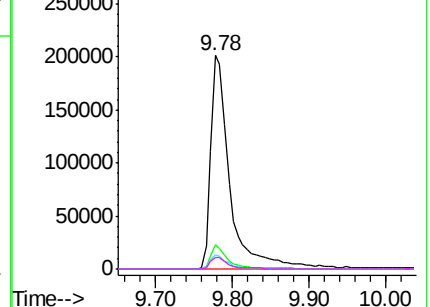


Abundance Ion 136.00 (135.70 to 136.70): E

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

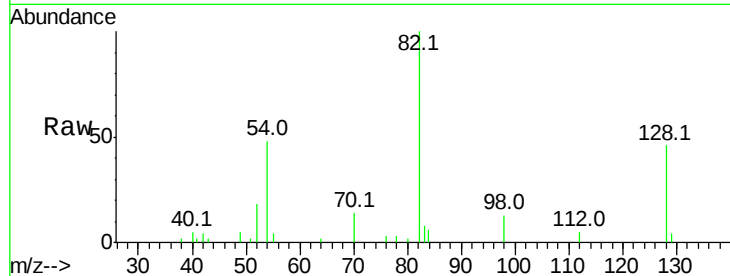




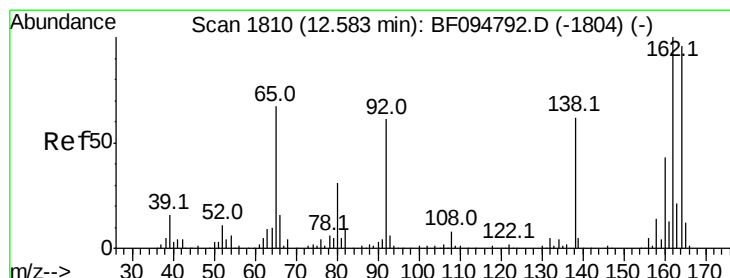
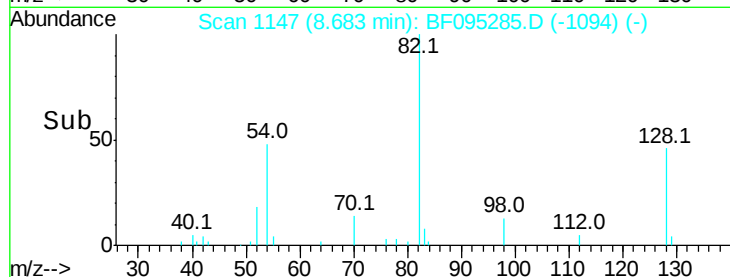
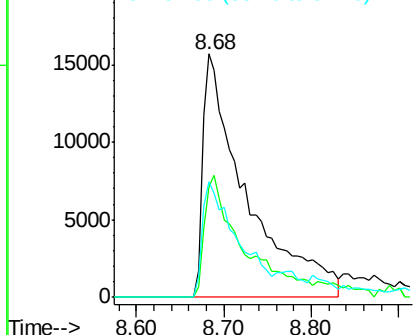
#23
 Nitrobenzene-d5
 Concen: 9.74 ng
 RT: 8.68 min Scan# 1147
 Delta R.T. 0.01 min
 Lab File: BF095285.D
 Acq: 20 May 2017 3:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 54055
 Ion Ratio Lower Upper
 82 100
 128 45.5 34.0 51.0
 54 47.7 42.2 63.2

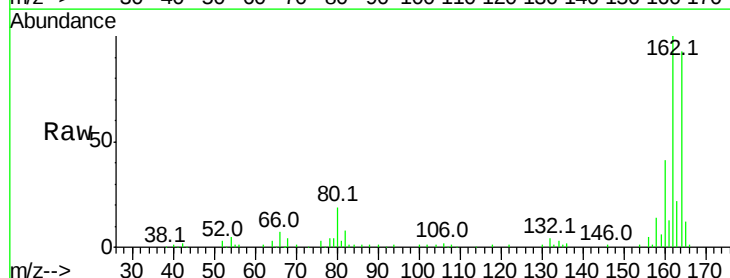


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

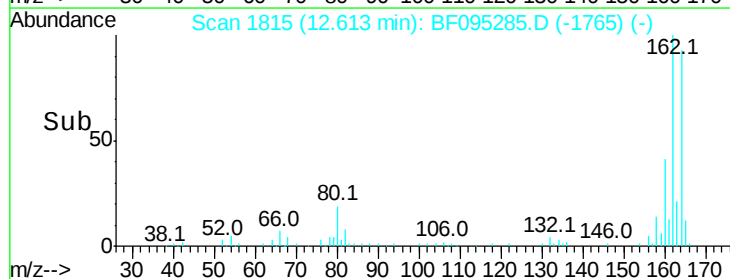
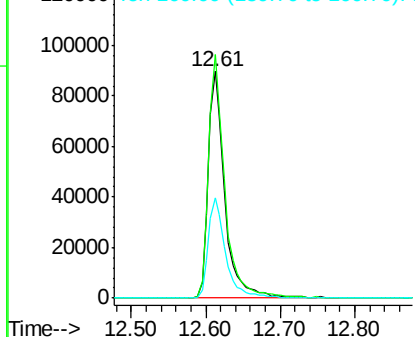


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.61 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BF095285.D
 Acq: 20 May 2017 3:00

Tgt Ion:164 Resp: 138014
 Ion Ratio Lower Upper
 164 100
 162 107.3 82.6 123.8
 160 44.4 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

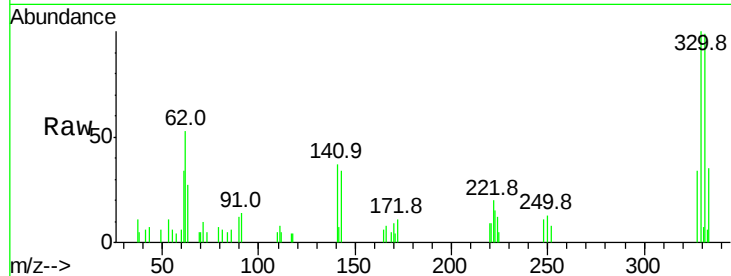




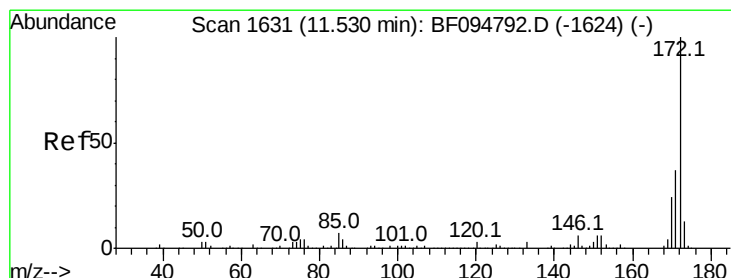
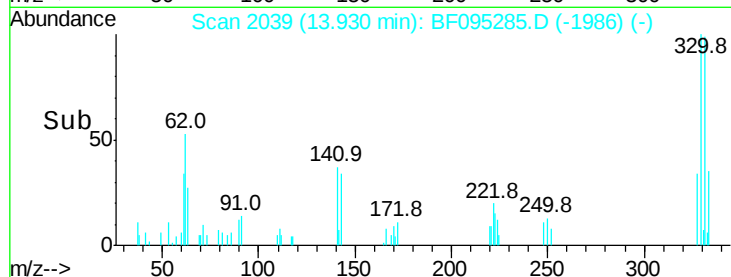
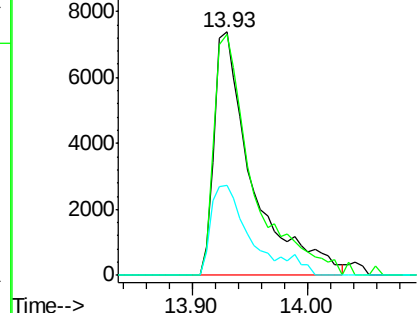
#41
 2,4,6-Tribromophenol
 Concen: 15.05 ng
 RT: 13.93 min Scan# 2039
 Delta R.T. 0.01 min
 Lab File: BF095285.D
 Acq: 20 May 2017 3:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.3	76.6	115.0
141	38.7	31.4	47.2

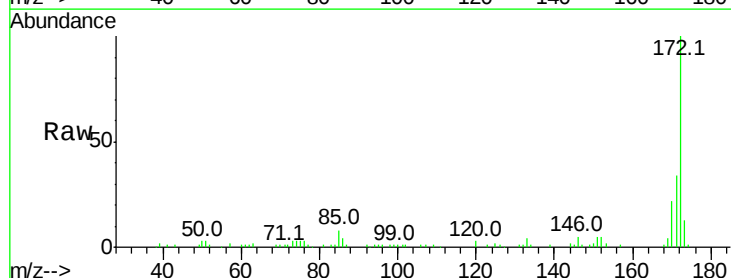


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

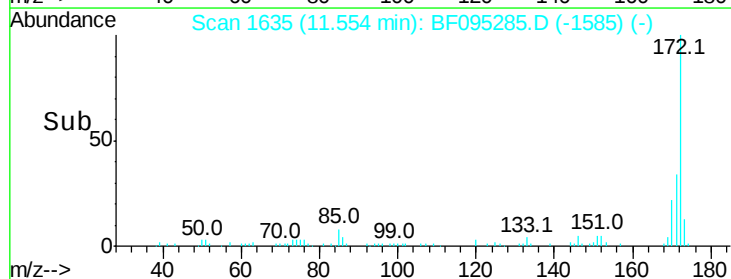
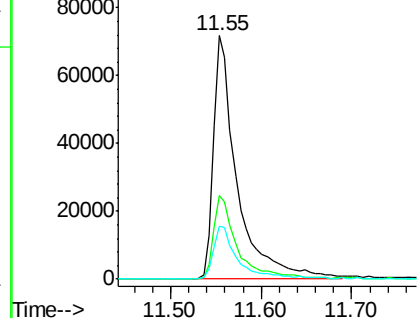


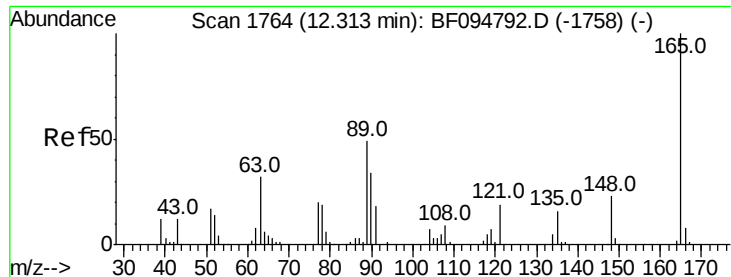
#44
 2-Fluorobiphenyl
 Concen: 13.72 ng
 RT: 11.55 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF095285.D
 Acq: 20 May 2017 3:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.6	44.4
170	21.8	19.8	29.8



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

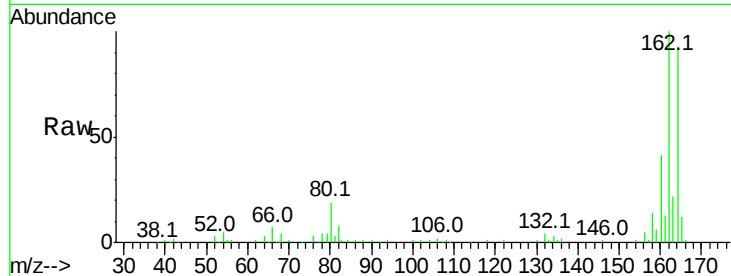




#50
 2,6-Dinitrotoluene
 Concen: 6.57 ng
 RT: 12.61 min Scan# 1815
 Delta R.T. 0.25 min
 Lab File: BF095285.D
 Acq: 20 May 2017 3:00

Instrument :
 BNA_F
 ClientSampleId :

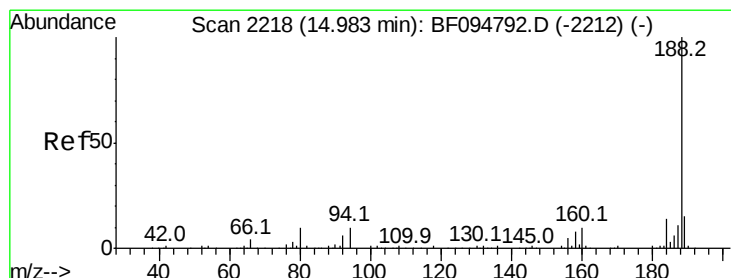
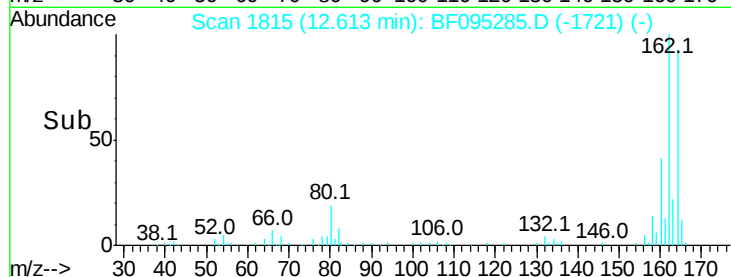
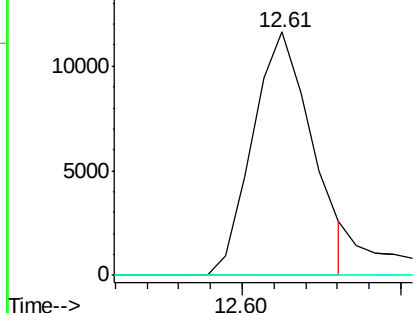
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

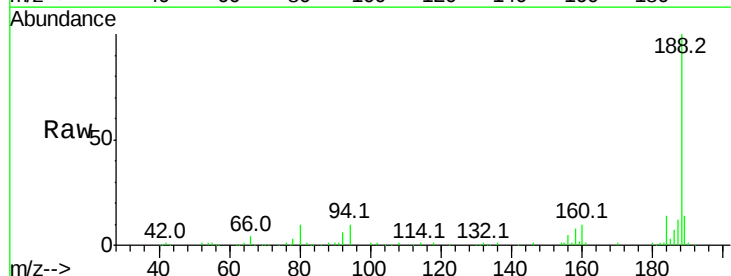
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.02 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BF095285.D
 Acq: 20 May 2017 3:00

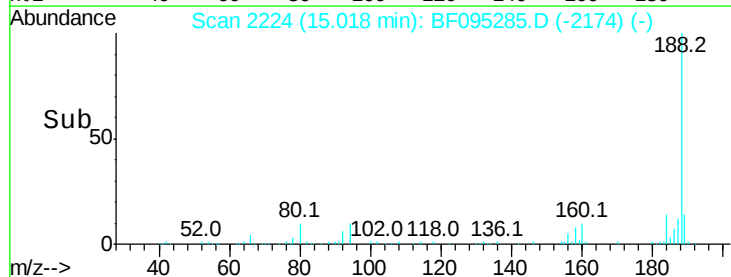
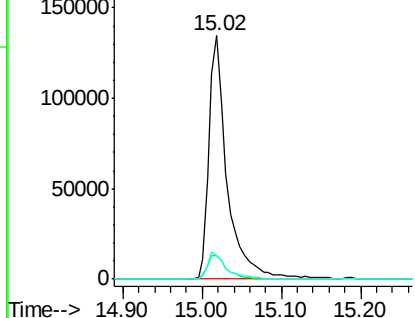
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	9.4	14.2
80	9.9	10.2	15.2#

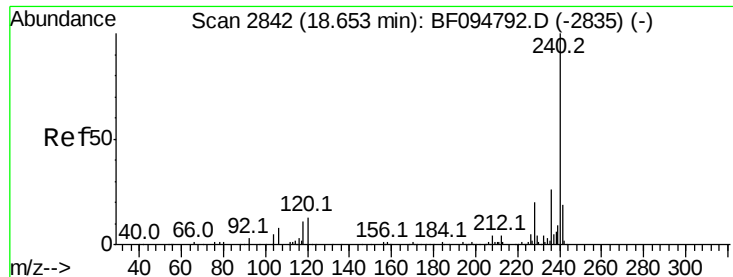


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.69 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BF095285.D

Acq: 20 May 2017 3:00

Instrument :

BNA_F

ClientSampleId :

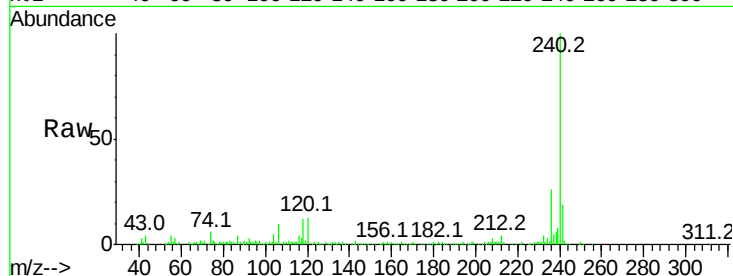
Tot Ion:240 Resp: 176494

Ion Ratio Lower Upper

240 100

120 13.2 5.8 8.8#

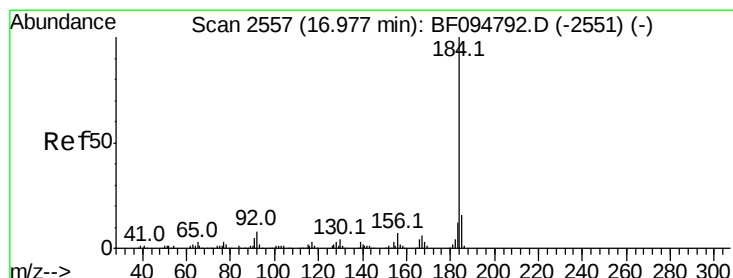
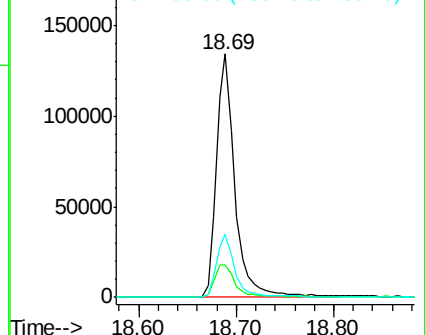
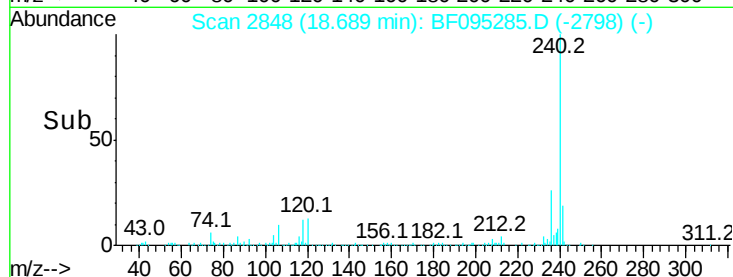
236 25.7 20.5 30.7



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



#76

Benzidine

Concen: 6.76 ng

RT: 16.78 min Scan# 2523

Delta R.T. -0.24 min

Lab File: BF095285.D

Acq: 20 May 2017 3:00

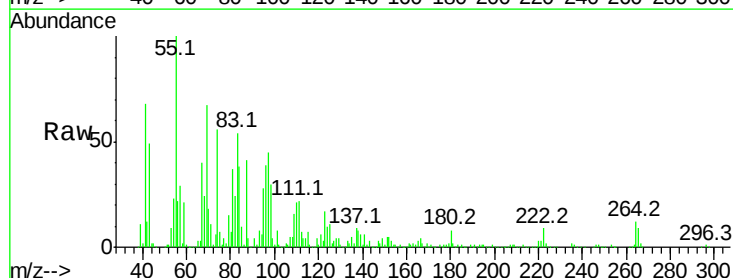
Tgt Ion:184 Resp: 959

Ion Ratio Lower Upper

184 100

185 240.6 15.5 23.3#

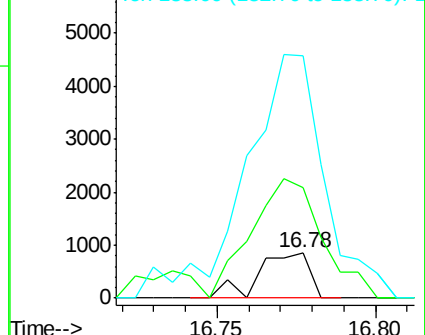
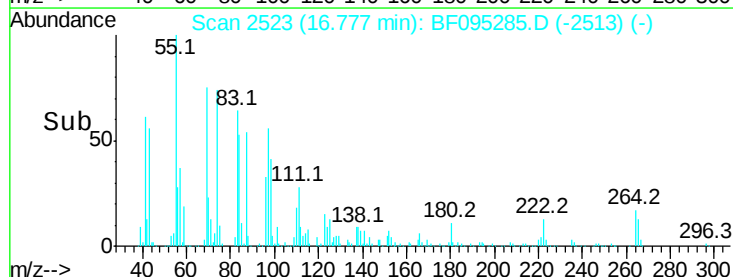
183 530.0 9.8 14.6#



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

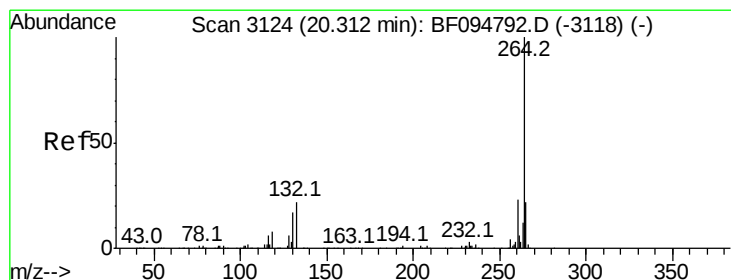
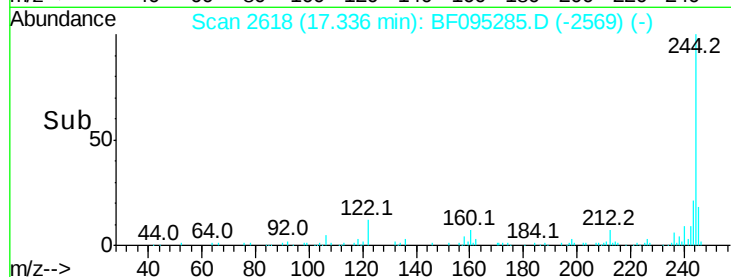
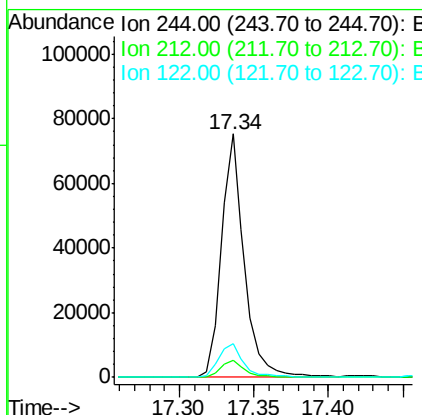
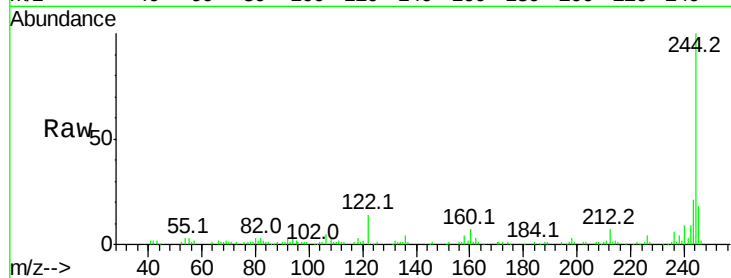




#78
 Terphenyl-d14
 Concen: 10.07 ng
 RT: 17.34 min Scan# 2618
 Delta R.T. -0.01 min
 Lab File: BF095285.D
 Acq: 20 May 2017 3:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 80710
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 13.6 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.37 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: BF095285.D
 Acq: 20 May 2017 3:00

Tgt Ion:264 Resp: 150595
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.5 29.3
 265 21.3 17.2 25.8

