

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
 Data File : BF095181.D
 Acq On : 17 May 2017 5:05
 Operator : SJ/MA
 Sample : I3153-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 17 06:03:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

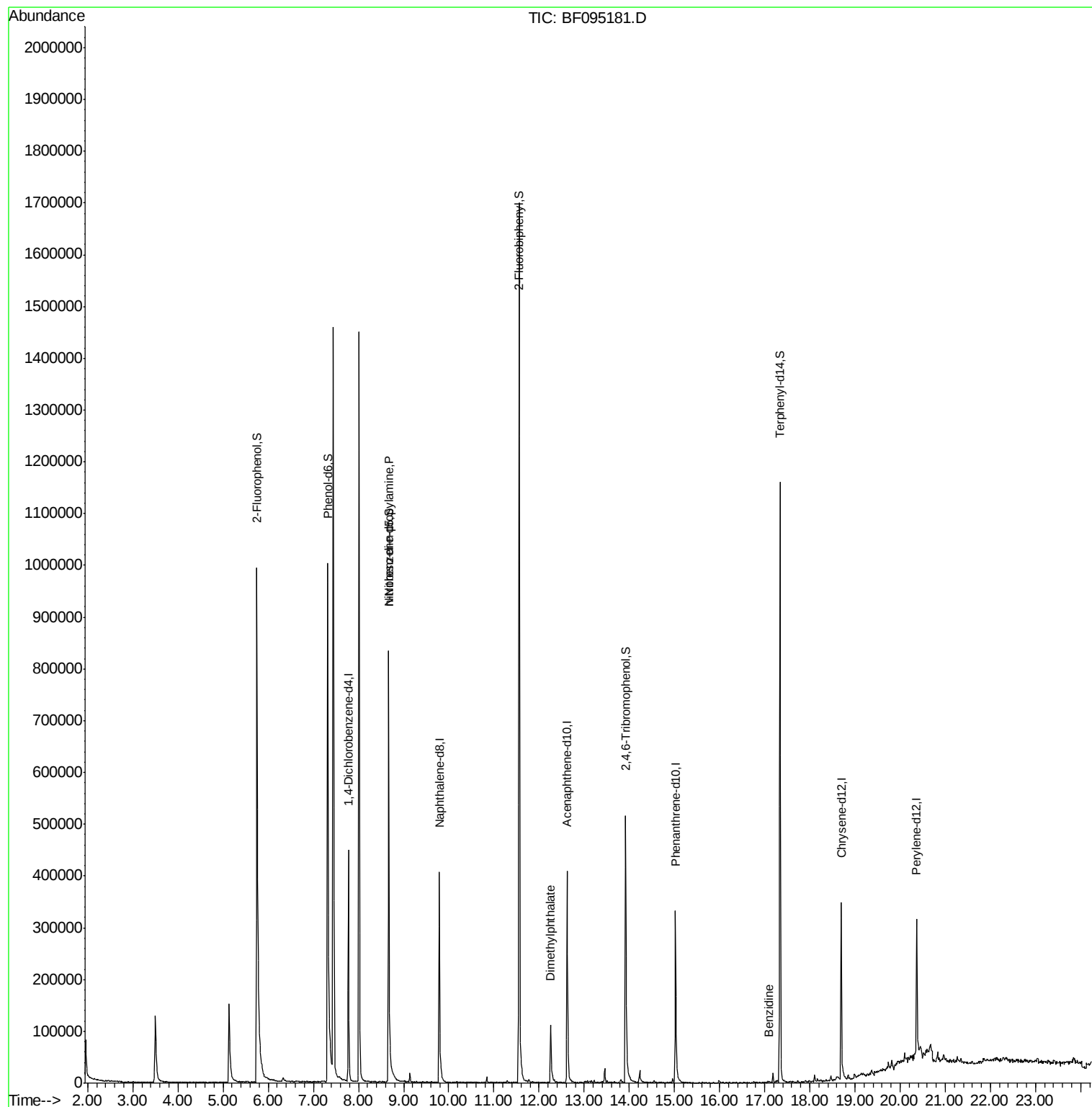
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	99377	20.00	ng	0.05
21) Naphthalene-d8	9.79	136	318982	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	136045	20.00	ng	0.04
63) Phenanthrene-d10	15.02	188	215032	20.00	ng	0.04
75) Chrysene-d12	18.69	240	176315	20.00	ng	0.04
86) Perylene-d12	20.37	264	127785	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	643015	107.88	ng	0.07
7) Phenol-d6	7.32	99	690519	96.55	ng	0.04
23) Nitrobenzene-d5	8.67	82	434121	85.82	ng	0.04
41) 2,4,6-Tribromophenol	13.92	330	102342	91.86	ng	0.04
44) 2-Fluorobiphenyl	11.56	172	768226	81.28	ng	0.03
78) Terphenyl-d14	17.34	244	465789	58.19	ng	0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.67	70	53126	10.98	ng	# 76
49) Dimethylphthalate	12.25	163	102640	9.19	ng	97
76) Benzidine	17.08	184	107	6.61	ng	# 62

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

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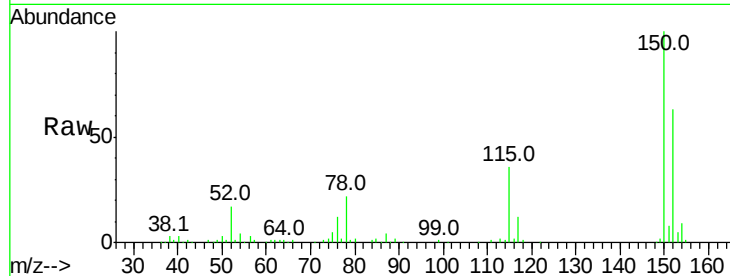


#1

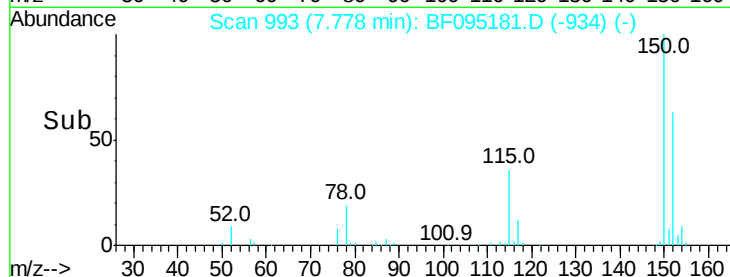
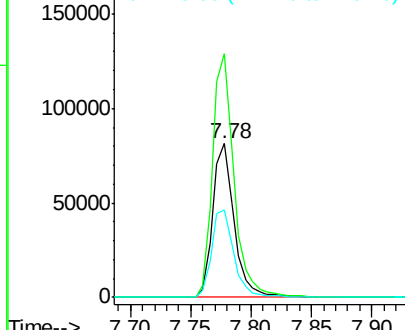
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.78 min Scan# 993
Delta R.T. 0.05 min
Lab File: BF095181.D
Acq: 17 May 2017 5:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 99377
Ion Ratio Lower Upper
152 100
150 158.6 126.2 189.2
115 57.0 52.2 78.2



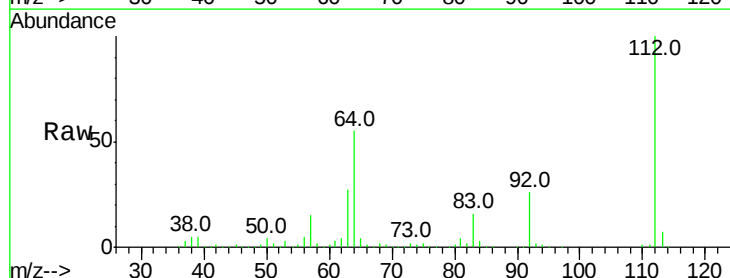
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



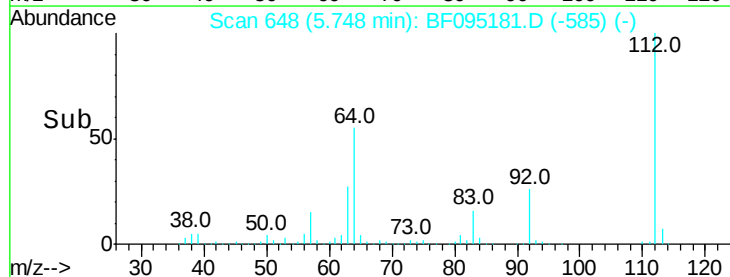
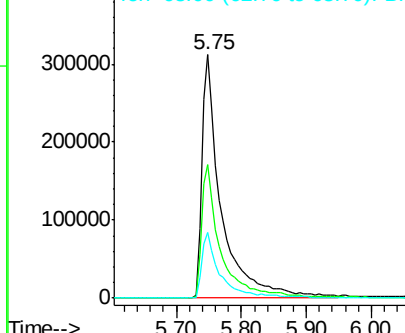
#5

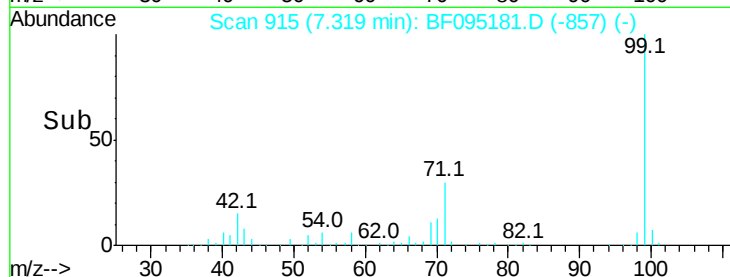
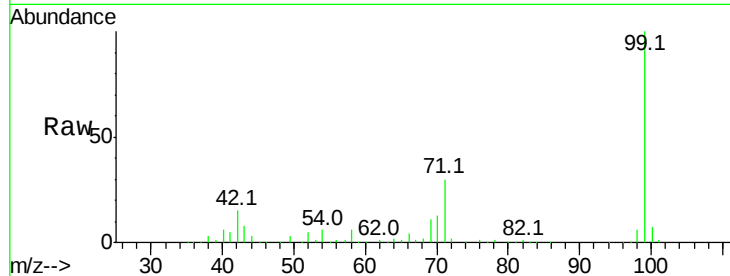
2-Fluorophenol
Concen: 107.88 ng
RT: 5.75 min Scan# 648
Delta R.T. 0.07 min
Lab File: BF095181.D
Acq: 17 May 2017 5:05

Tgt Ion:112 Resp: 643015
Ion Ratio Lower Upper
112 100
64 54.8 46.0 69.0
63 26.8 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 96.55 ng

RT: 7.32 min Scan# 915

Delta R.T. 0.04 min

Lab File: BF095181.D

Acq: 17 May 2017 5:05

Instrument :

BNA_F

ClientSampled :

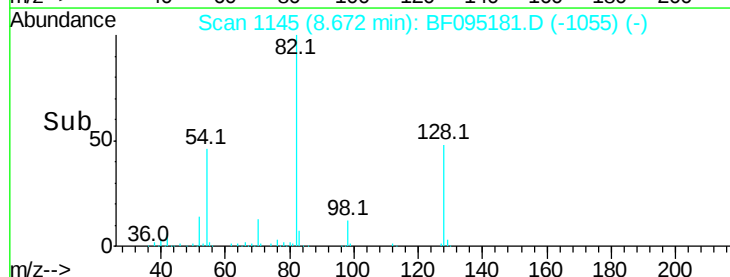
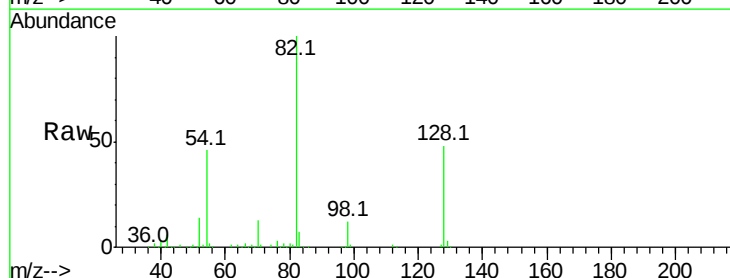
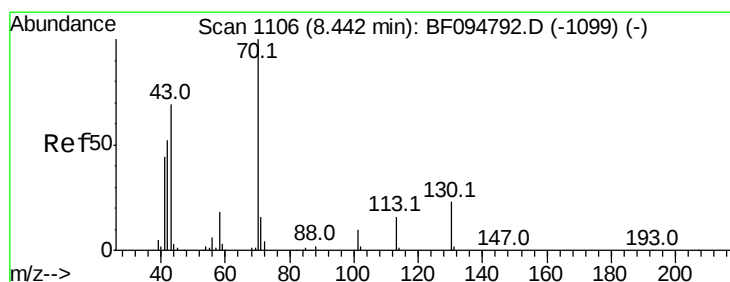
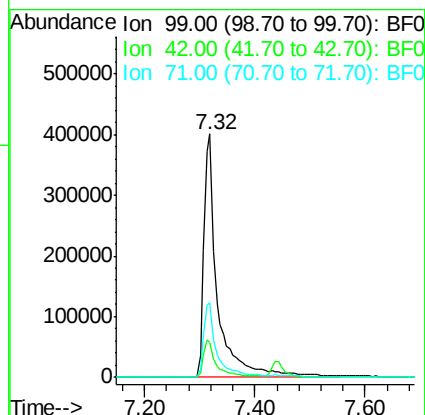
Tot Ion: 99 Resp: 690519

Ion Ratio Lower Upper

99 100

42 14.6 13.5 20.3

71 30.5 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 10.98 ng

RT: 8.67 min Scan# 1145

Delta R.T. 0.23 min

Lab File: BF095181.D

Acq: 17 May 2017 5:05

Tgt Ion: 70 Resp: 53126

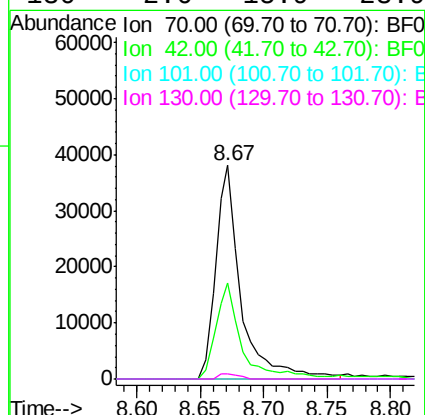
Ion Ratio Lower Upper

70 100

42 45.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.6 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.79 min Scan# 1335

Delta R.T. 0.04 min

Lab File: BF095181.D

Acq: 17 May 2017 5:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 318982

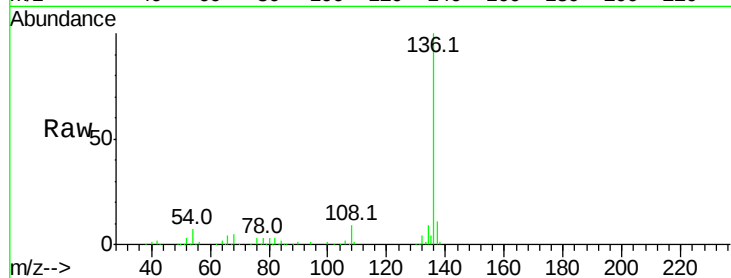
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.0 4.9 7.3

68 5.2 4.1 6.1

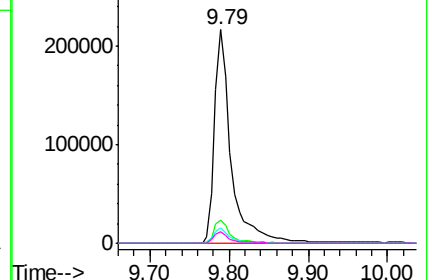
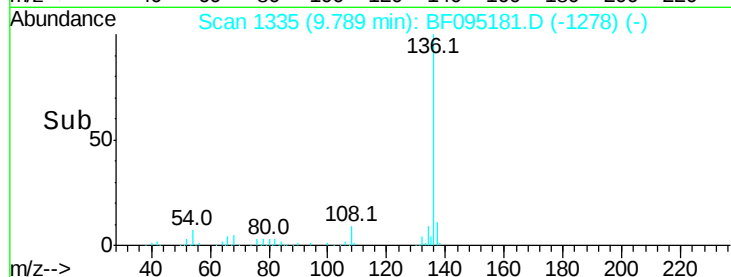


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.82 ng

RT: 8.67 min Scan# 1145

Delta R.T. 0.04 min

Lab File: BF095181.D

Acq: 17 May 2017 5:05

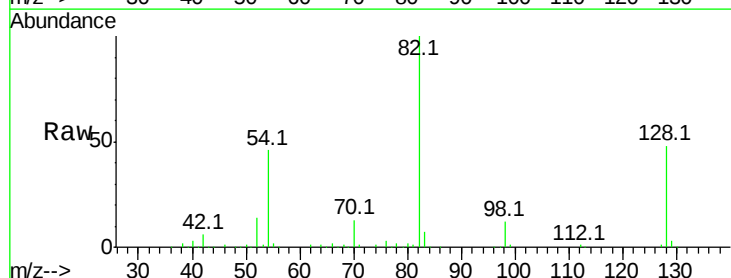
Tgt Ion: 82 Resp: 434121

Ion Ratio Lower Upper

82 100

128 48.1 34.0 51.0

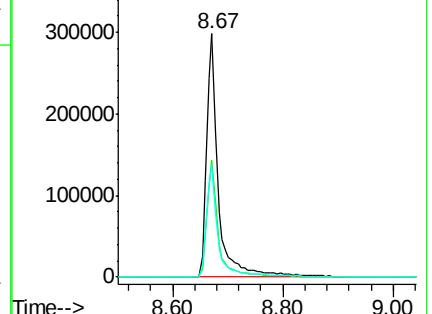
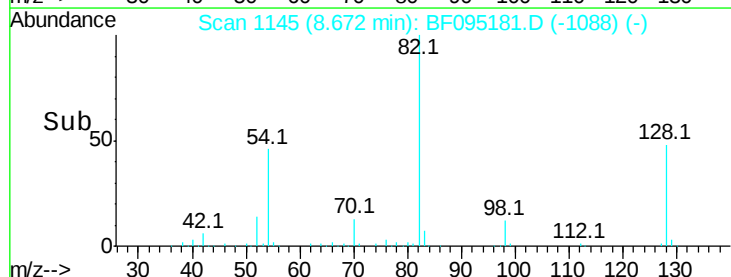
54 46.1 42.2 63.2



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: 12.62 min Scan# 1816

Delta R.T. 0.04 min

Lab File: BF095181.D

Acq: 17 May 2017 5:05

Instrument :

BNA_F

ClientSampleId :

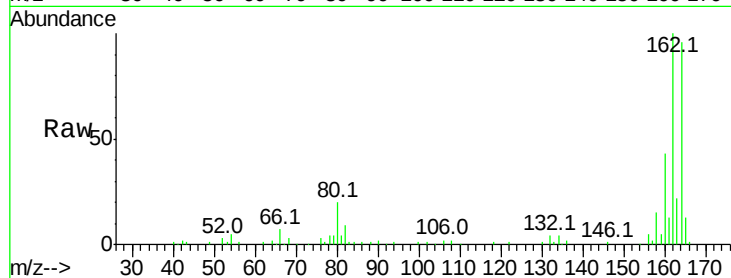
Tot Ion:164 Resp: 136045

Ion Ratio Lower Upper

164 100

162 103.7 82.6 123.8

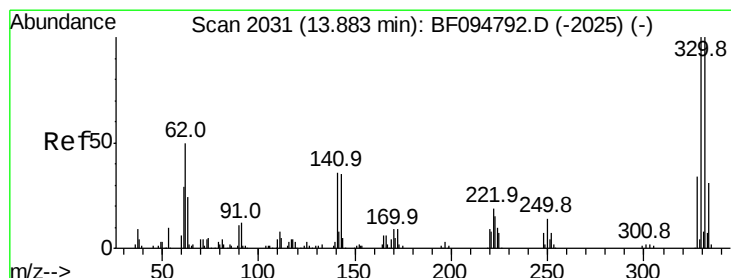
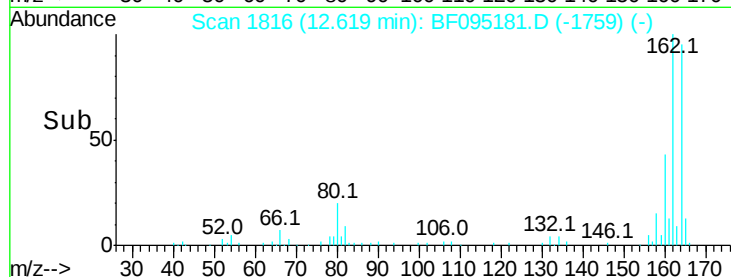
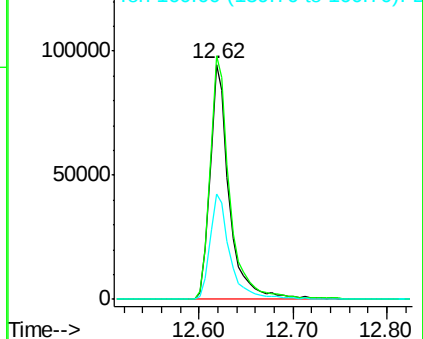
160 44.9 36.2 54.2



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: 91.86 ng

RT: 13.92 min Scan# 2037

Delta R.T. 0.04 min

Lab File: BF095181.D

Acq: 17 May 2017 5:05

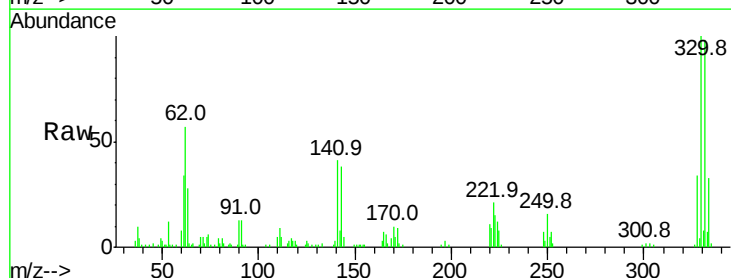
Tgt Ion:330 Resp: 102342

Ion Ratio Lower Upper

330 100

332 96.8 76.6 115.0

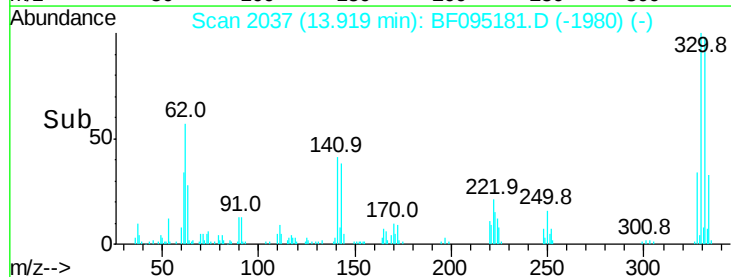
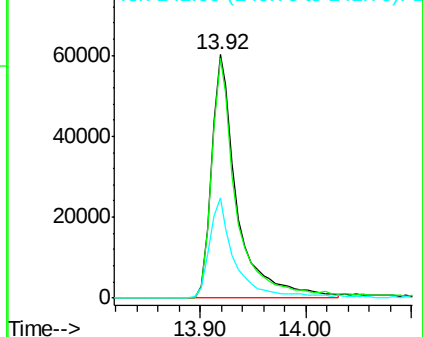
141 40.9 31.4 47.2



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

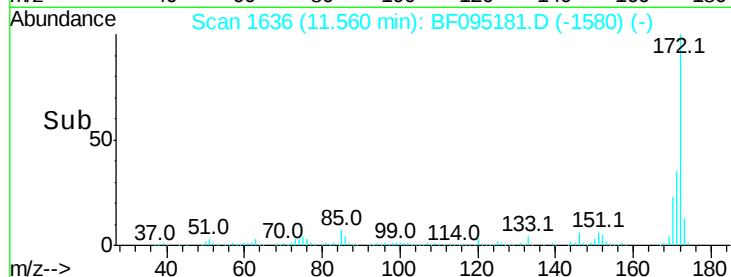
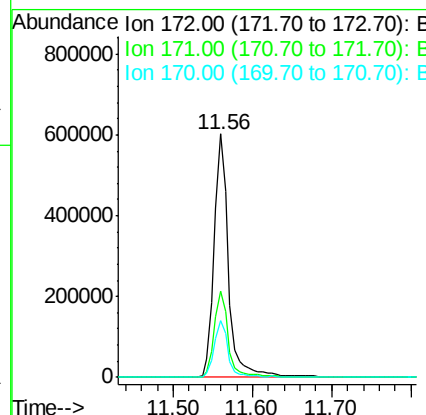
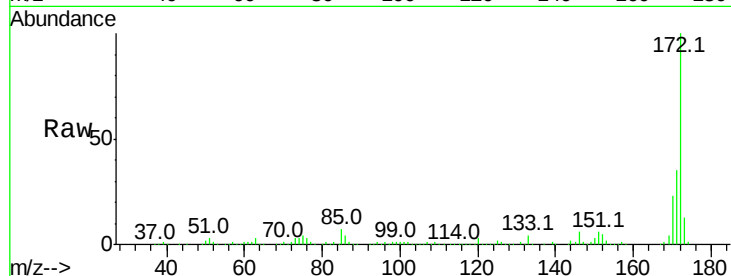




#44
2-Fluorobiphenyl
Concen: 81.28 ng
RT: 11.56 min Scan# 1636
Delta R.T. 0.03 min
Lab File: BF095181.D
Acq: 17 May 2017 5:05

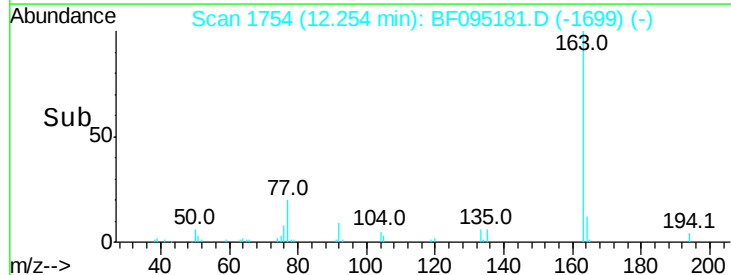
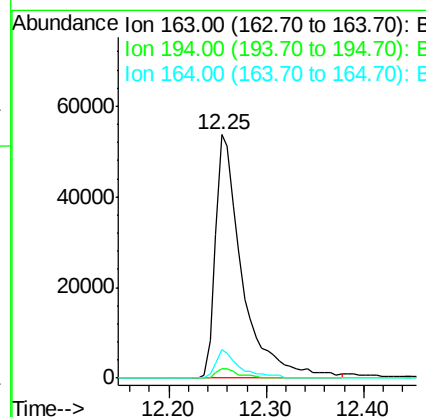
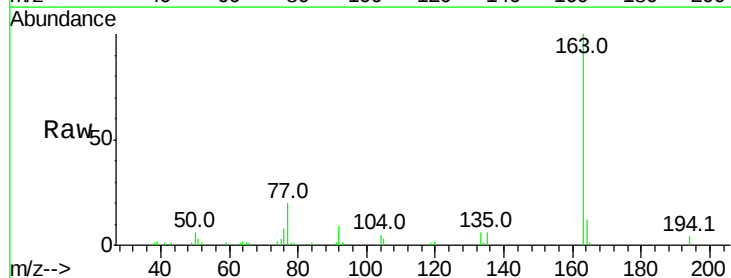
Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	23.3	19.8	29.8



#49
Dimethylphthalate
Concen: 9.19 ng
RT: 12.25 min Scan# 1754
Delta R.T. 0.02 min
Lab File: BF095181.D
Acq: 17 May 2017 5:05

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.6	4.0
164	11.9	8.4	12.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.02 min Scan# 2225

Delta R.T. 0.04 min

Lab File: BF095181.D

Acq: 17 May 2017 5:05

Instrument :

BNA_F

ClientSampleId :

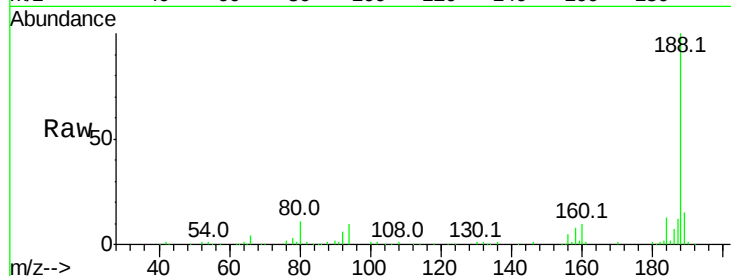
Tot Ion:188 Resp: 215032

Ion Ratio Lower Upper

188 100

94 10.4 9.4 14.2

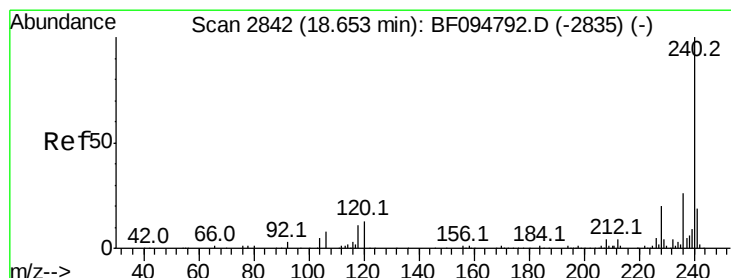
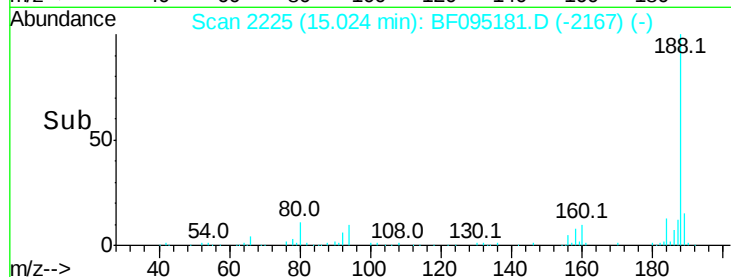
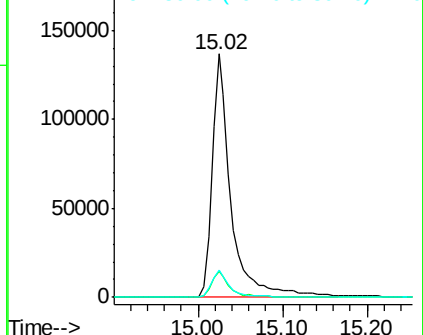
80 11.0 10.2 15.2



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# 2849

Delta R.T. 0.04 min

Lab File: BF095181.D

Acq: 17 May 2017 5:05

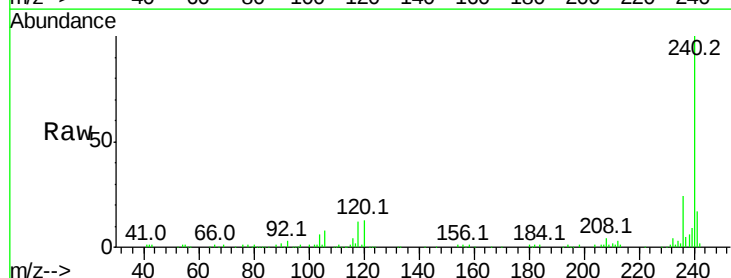
Tgt Ion:240 Resp: 176315

Ion Ratio Lower Upper

240 100

120 13.5 5.8 8.8#

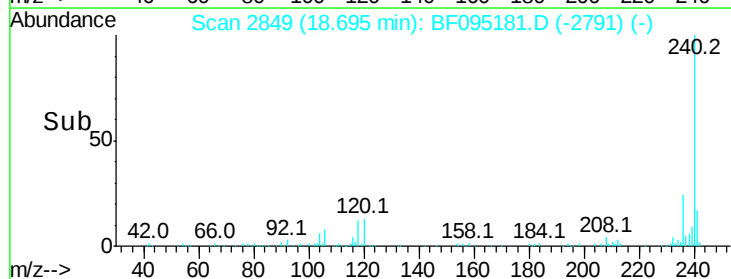
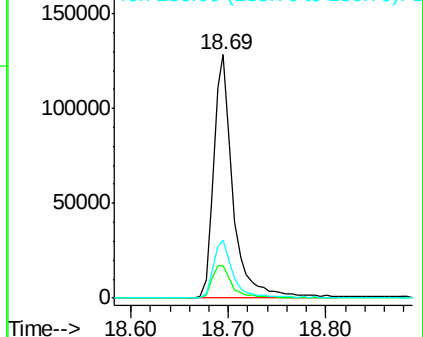
236 23.8 20.5 30.7

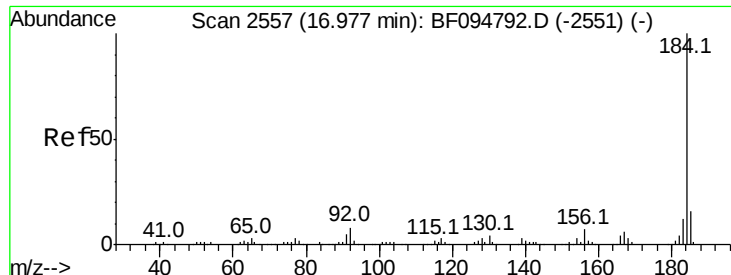


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

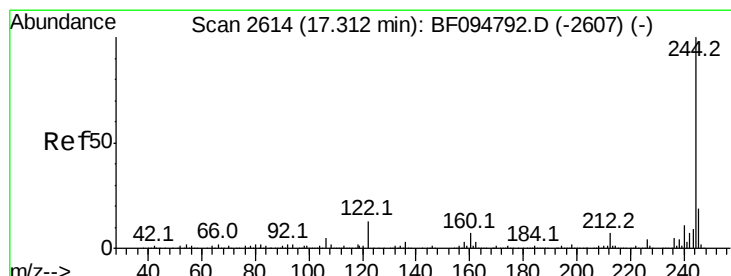
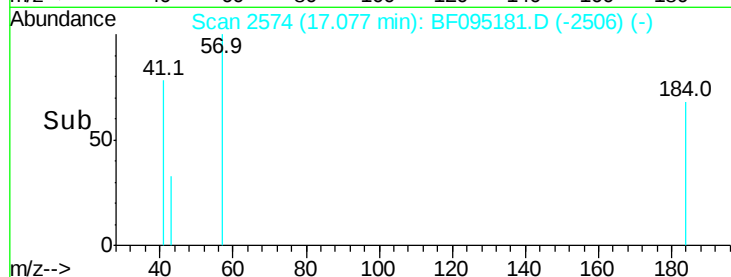
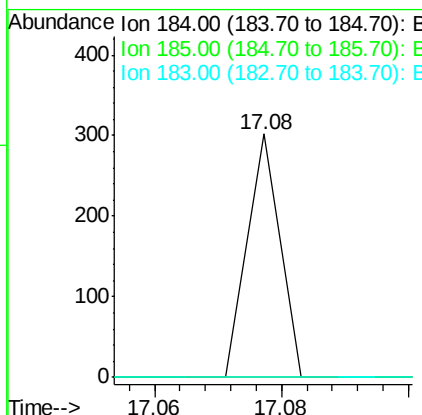
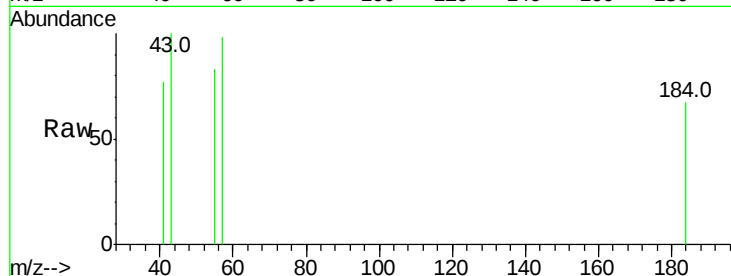




#76
Benzidine
Concen: 6.61 ng
RT: 17.08 min Scan# 2574
Delta R.T. 0.10 min
Lab File: BF095181.D
Acq: 17 May 2017 5:05

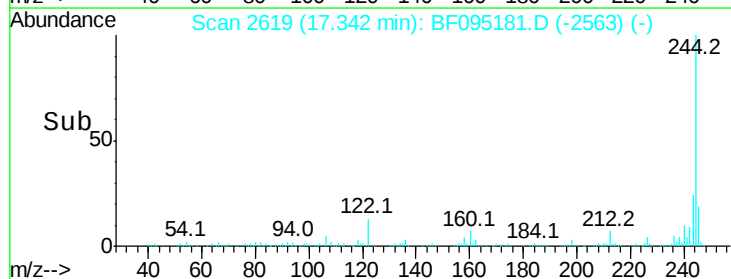
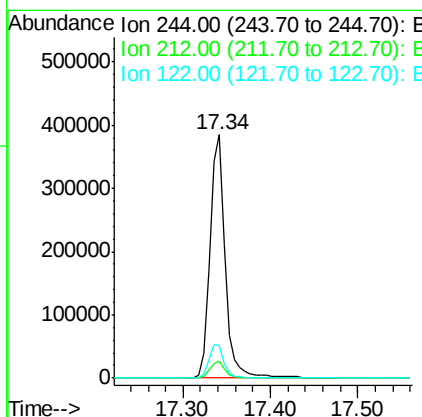
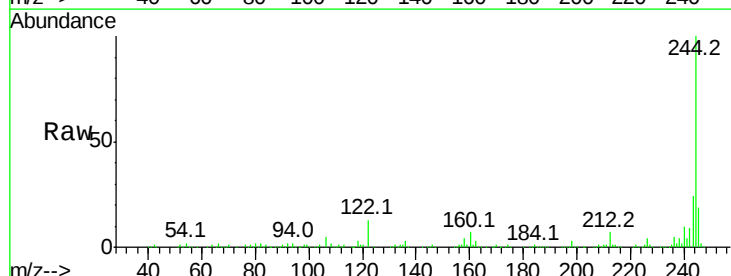
Instrument :
BNA_F
ClientSampleId :

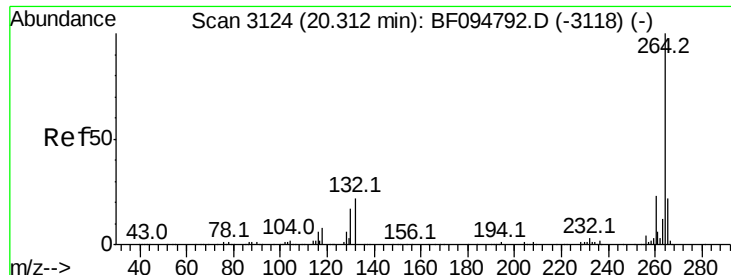
Tot Ion:184 Resp: 107
Ion Ratio Lower Upper
184 100
185 0.0 15.5 23.3#
183 0.0 9.8 14.6#



#78
Terphenyl-d14
Concen: 58.19 ng
RT: 17.34 min Scan# 2619
Delta R.T. 0.03 min
Lab File: BF095181.D
Acq: 17 May 2017 5:05

Tgt Ion:244 Resp: 465789
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 13.1 10.3 15.5





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 20.37 min Scan# 3133
 Delta R.T. 0.05 min
 Lab File: BF095181.D
 Acq: 17 May 2017 5:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264	Resp:	127785
Ion Ratio	Lower	Upper
264	100	
260	23.5	19.5 29.3
265	21.9	17.2 25.8

