

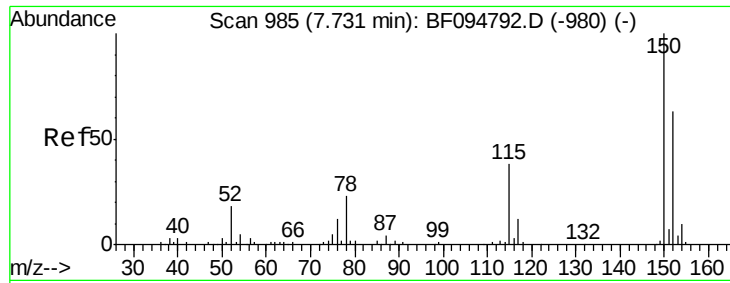
Data Path : Z:\HPCHEM1\BNA_F\Data\BF050317\
 Data File : BF094870.D
 Acq On : 4 May 2017 12:23
 Operator : SJ/MA
 Sample : I2933-02RE
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-4

Quant Time: May 04 13:05:57 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	7.72	152	93994	20.00	ng	0.00
21) Naphthalene-d8	9.74	136	356192	20.00	ng	-0.01
38) Acenaphthene-d10	12.57	164	144417	20.00	ng	-0.01
63) Phenanthrene-d10	14.97	188	253008	20.00	ng	-0.01
75) Chrysene-d12	18.64	240	205188	20.00	ng	-0.02
86) Perylene-d12	20.31	264	143383	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	221777	39.34	ng	0.00
7) Phenol-d6	7.27	99	250954	37.10	ng	-0.01
23) Nitrobenzene-d5	8.62	82	315018	55.77	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	42818	36.20	ng	-0.01
44) 2-Fluorobiphenyl	11.52	172	649702	64.75	ng	-0.01
78) Terphenyl-d14	17.29	244	458140	49.18	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.61	70	39857	8.71	ng	# 78
31) Naphthalene	9.78	128	185058	10.34	ng	99
32) Benzoic acid	9.78	122	287	5.16	ng	# 1
33) 4-Chloroaniline	9.78	127	23689	3.55	ng	# 35
49) Dimethylphthalate	12.21	163	78635	6.63	ng	96
76) Benzidine	16.98	184	34345	11.93	ng	# 94

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

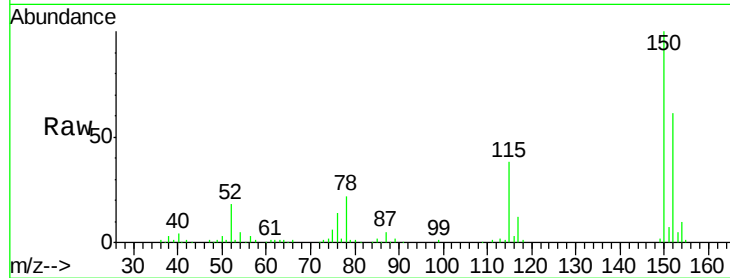


#1

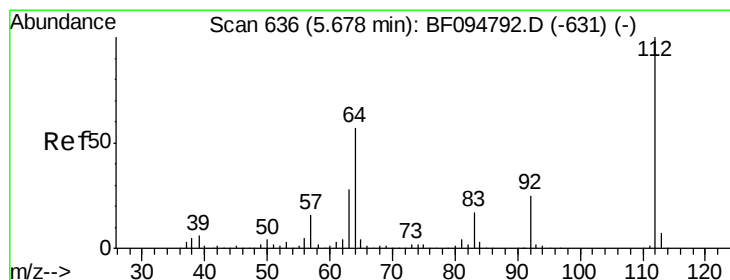
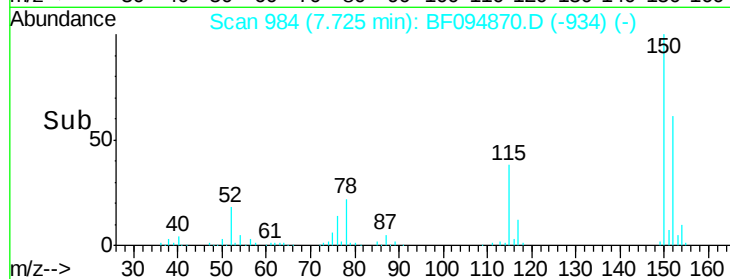
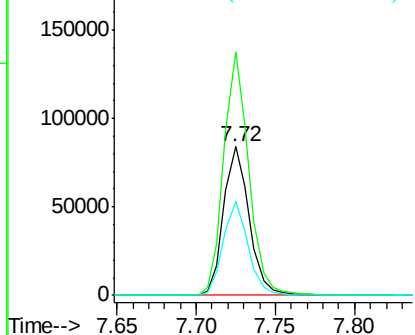
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF094870.D
Acq: 4 May 2017 12:23

Instrument :
BNA_F
ClientSampleId :
PE-4

Tgt Ion:152 Resp: 93994
Ion Ratio Lower Upper
152 100
150 163.6 126.2 189.2
115 63.0 52.2 78.2



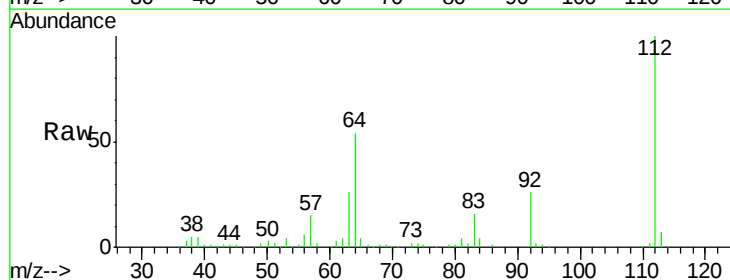
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



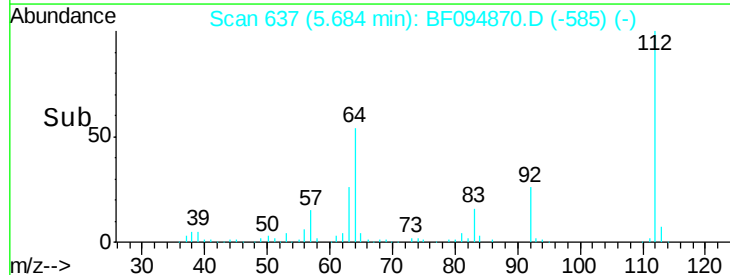
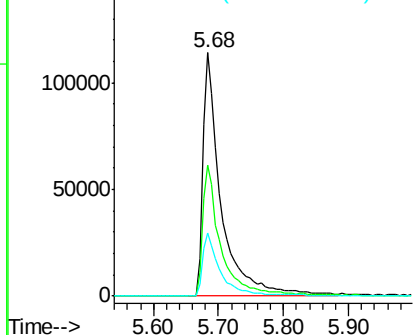
#5

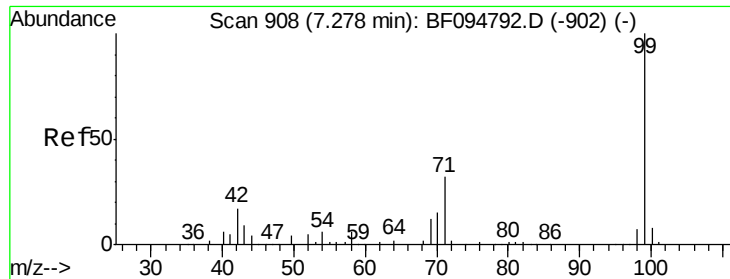
2-Fluorophenol
Concen: 39.34 ng
RT: 5.68 min Scan# 637
Delta R.T. 0.01 min
Lab File: BF094870.D
Acq: 4 May 2017 12:23

Tgt Ion:112 Resp: 221777
Ion Ratio Lower Upper
112 100
64 53.8 46.0 69.0
63 26.1 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: 37.10 ng

RT: 7.27 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF094870.D

Acq: 4 May 2017 12:23

Instrument :

BNA_F

ClientSampleId :

PE-4

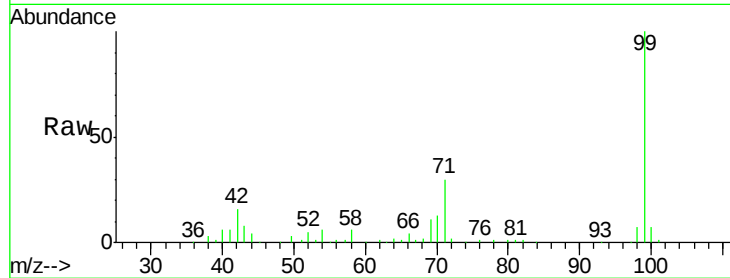
Tgt Ion: 99 Resp: 250954

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

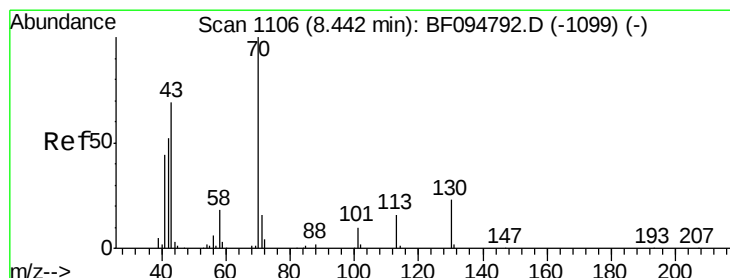
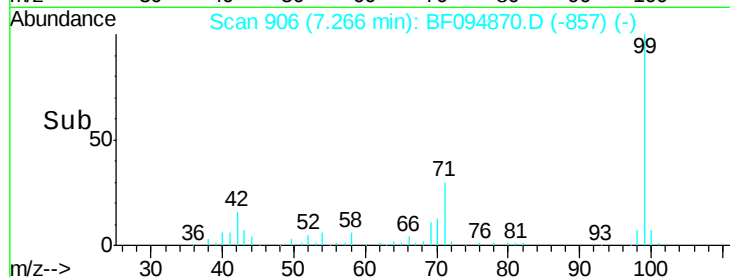
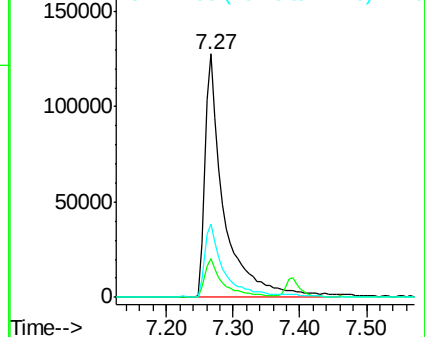
71 30.1 24.5 36.7



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: 8.71 ng

RT: 8.61 min Scan# 1135

Delta R.T. 0.17 min

Lab File: BF094870.D

Acq: 4 May 2017 12:23

Tgt Ion: 70 Resp: 39857

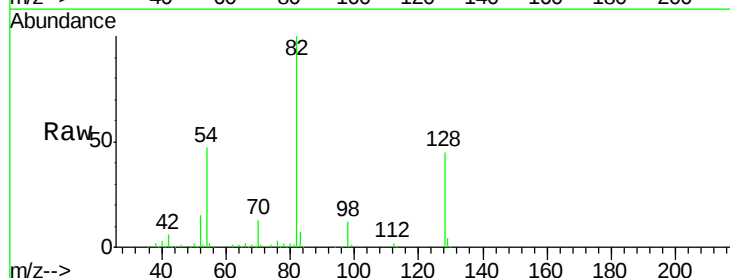
Ion Ratio Lower Upper

70 100

42 46.6 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

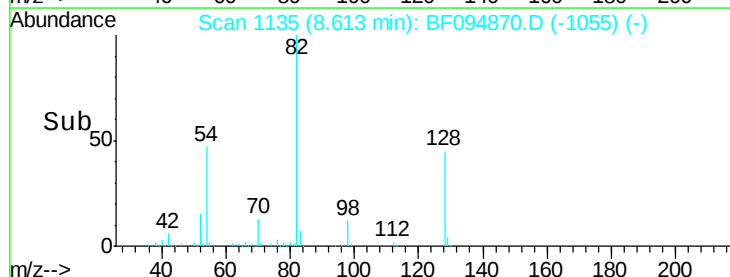
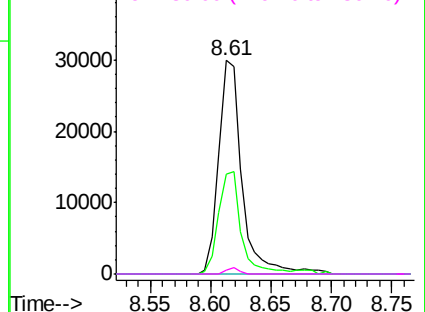


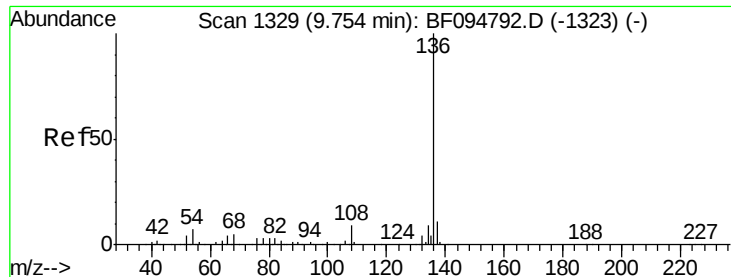
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

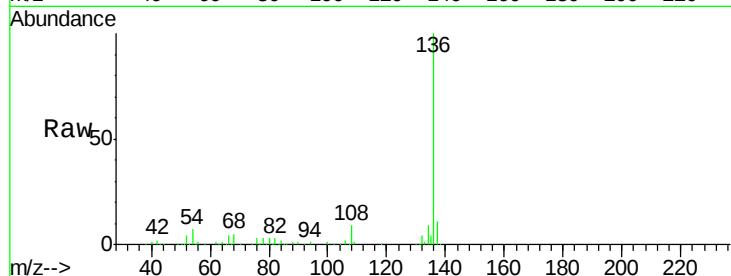




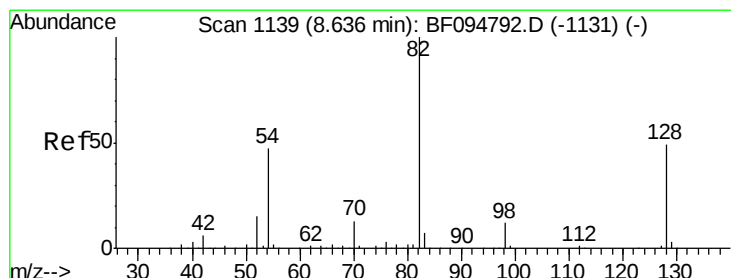
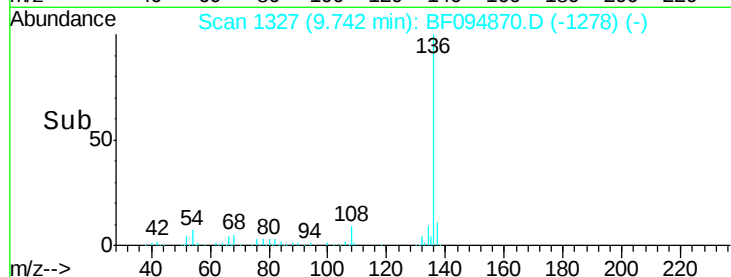
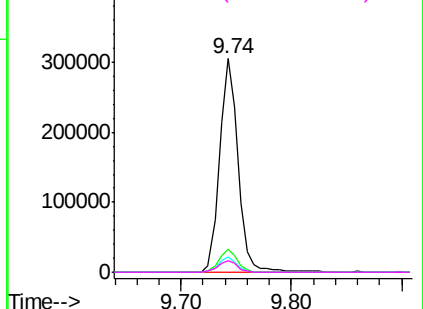
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.74 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF094870.D
Acq: 4 May 2017 12:23

Instrument :
BNA_F
ClientSampleId :
PE-4

Tgt Ion:	136	Resp:	356192
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	7.0	4.9	7.3
68	5.4	4.1	6.1

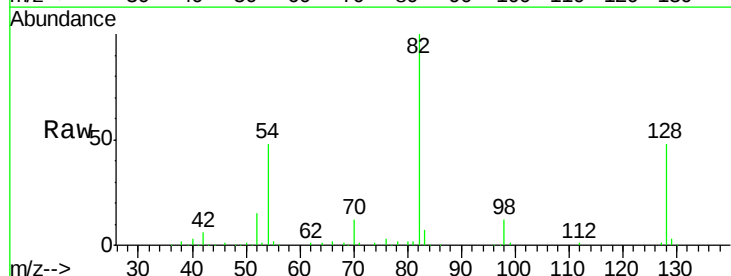


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

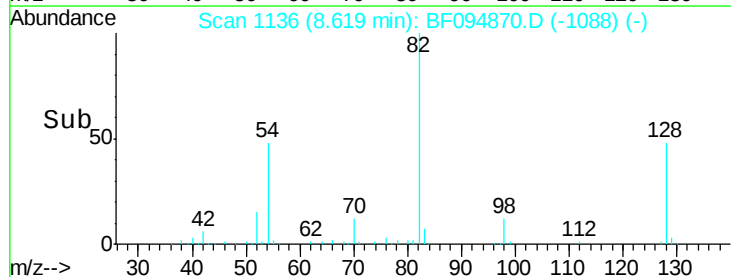
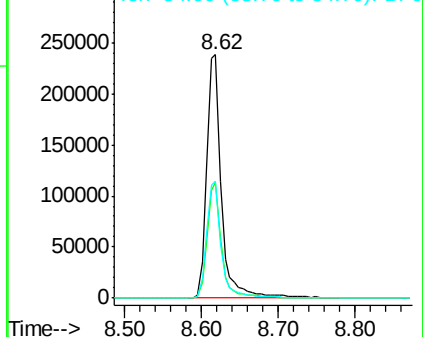


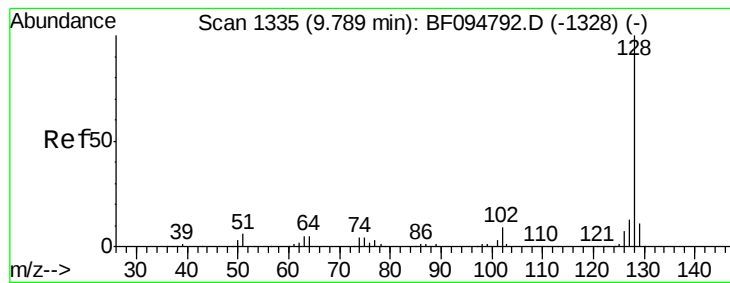
#23
Nitrobenzene-d5
Concen: 55.77 ng
RT: 8.62 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF094870.D
Acq: 4 May 2017 12:23

Tgt Ion:	82	Resp:	315018
Ion	Ratio	Lower	Upper
82	100		
128	47.7	34.0	51.0
54	47.8	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





#31

Naphthalene

Concen: 10.34 ng

RT: 9.78 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF094870.D

Acq: 4 May 2017 12:23

Instrument :

BNA_F

ClientSampleId :

PE-4

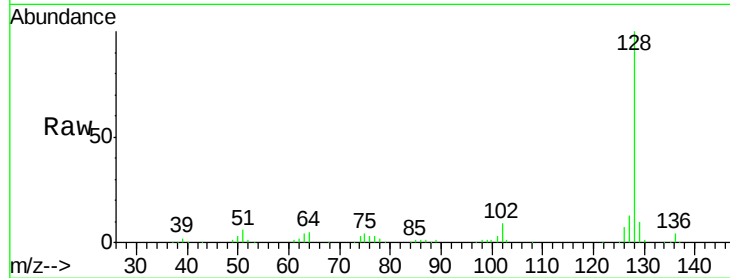
Tgt Ion:128 Resp: 185058

Ion Ratio Lower Upper

128 100

129 10.4 9.0 13.6

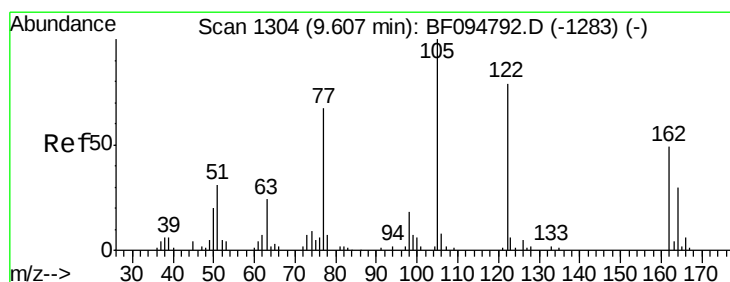
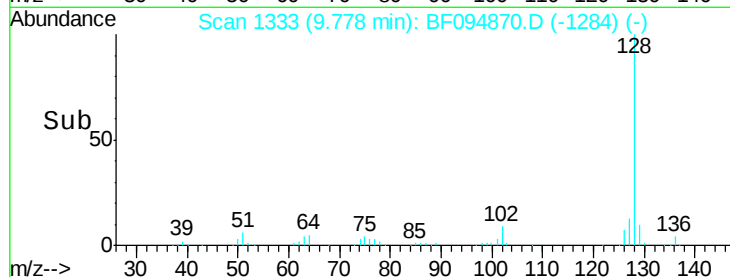
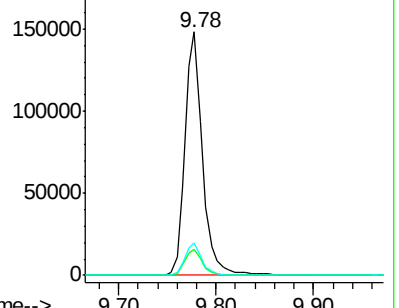
127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 5.16 ng

RT: 9.78 min Scan# 1333

Delta R.T. 0.17 min

Lab File: BF094870.D

Acq: 4 May 2017 12:23

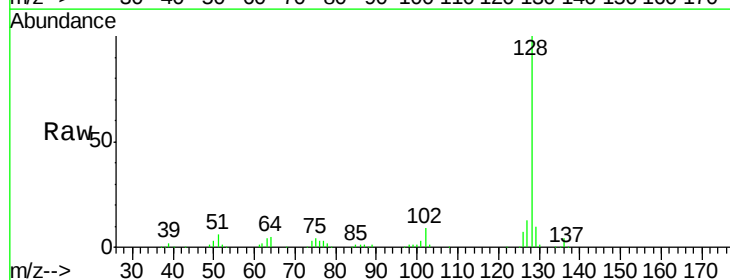
Tgt Ion:122 Resp: 287

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

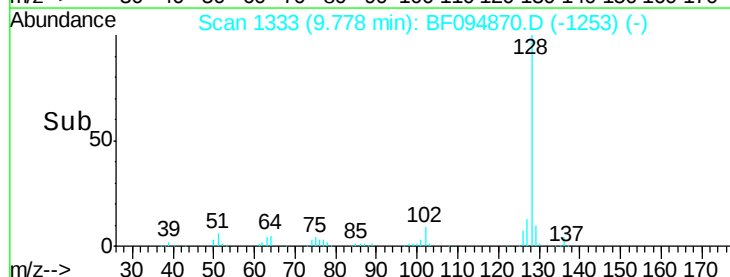
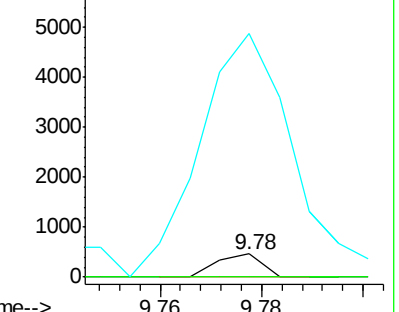
77 1045.9 73.7 113.7#

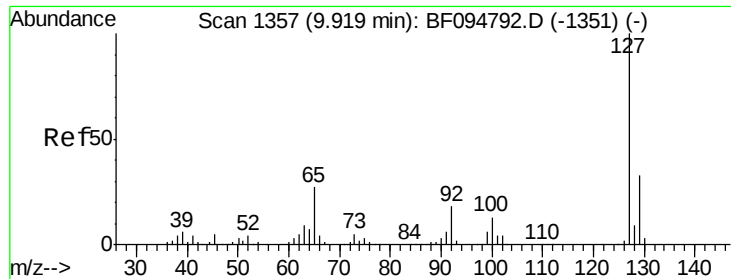


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

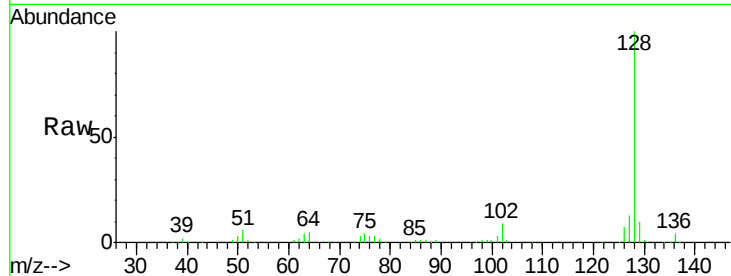




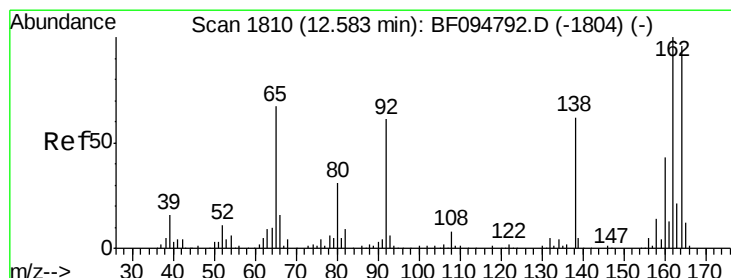
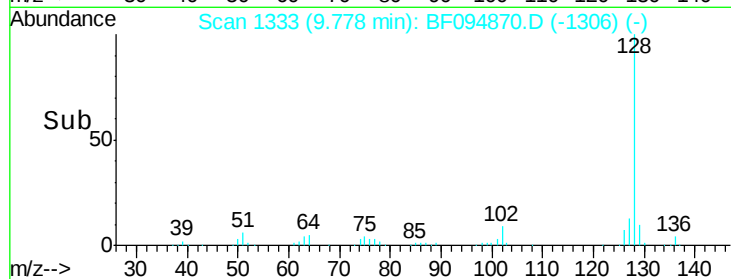
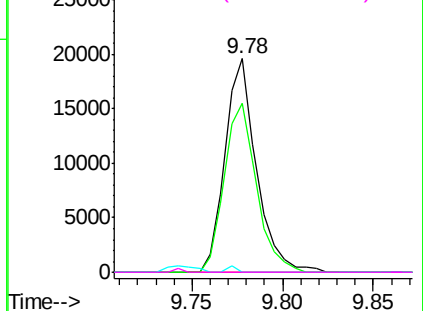
#33
4-Chloroaniline
Concen: 3.55 ng
RT: 9.78 min Scan# 1333
Delta R.T. -0.14 min
Lab File: BF094870.D
Acq: 4 May 2017 12:23

Instrument :
BNA_F
ClientSampleId :
PE-4

Tgt Ion:	127	Resp:	23689
Ion	Ratio	Lower	Upper
127	100		
129	79.0	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#

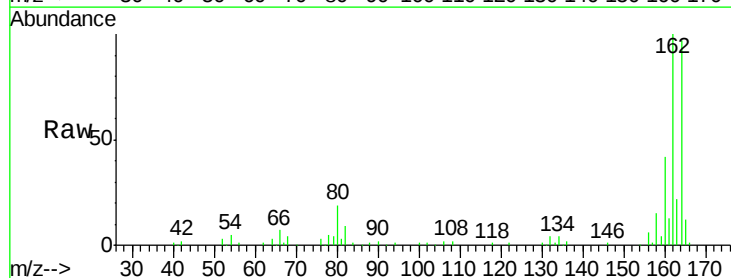


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

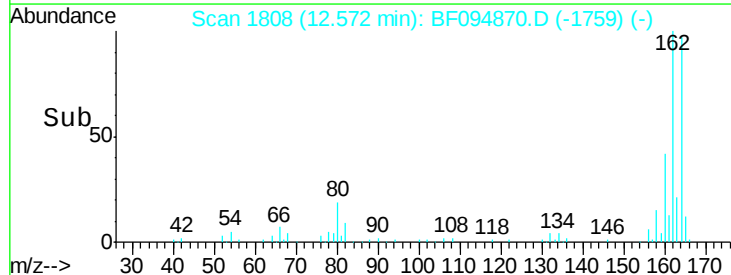
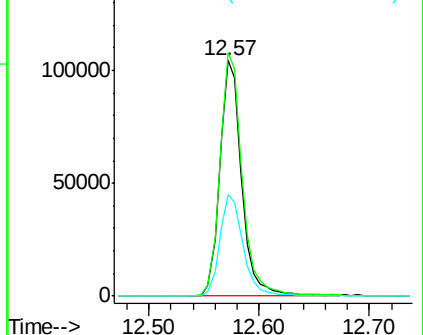


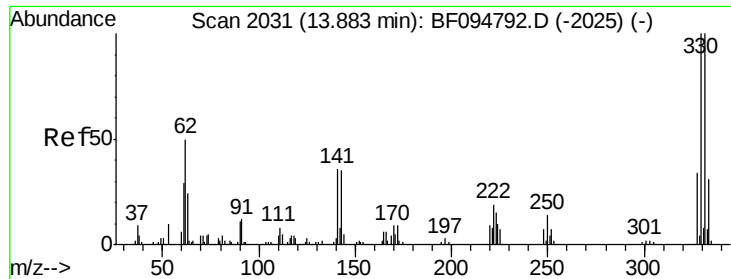
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.57 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF094870.D
Acq: 4 May 2017 12:23

Tgt Ion:	164	Resp:	144417
Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.6	123.8
160	43.4	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

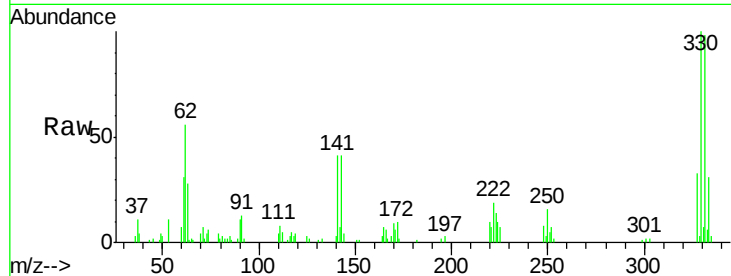




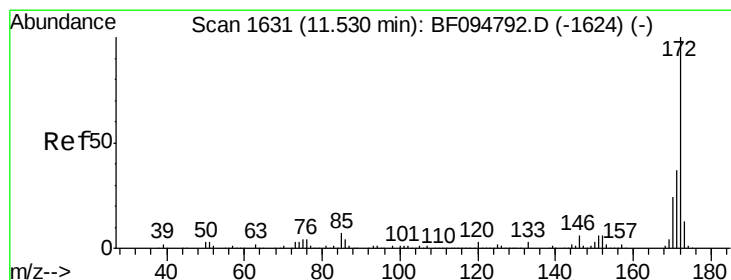
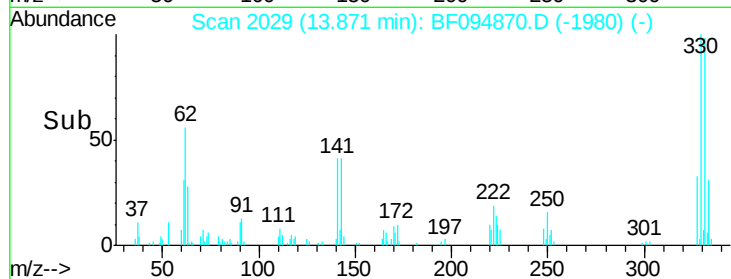
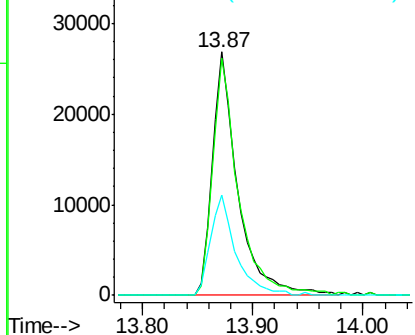
#41
 2,4,6-Tribromophenol
 Concen: 36.20 ng
 RT: 13.87 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF094870.D
 Acq: 4 May 2017 12:23

Instrument :
 BNA_F
 ClientSampleId :
 PE-4

Tgt Ion:330 Resp: 42818
 Ion Ratio Lower Upper
 330 100
 332 98.3 76.6 115.0
 141 40.4 31.4 47.2

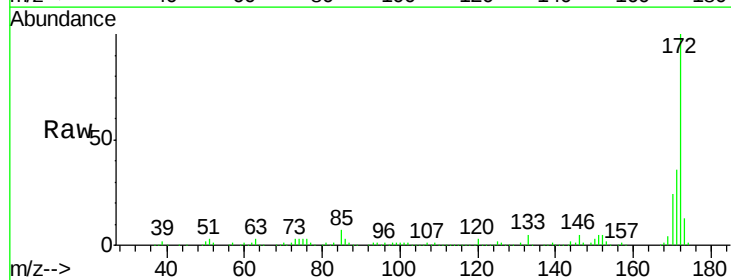


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

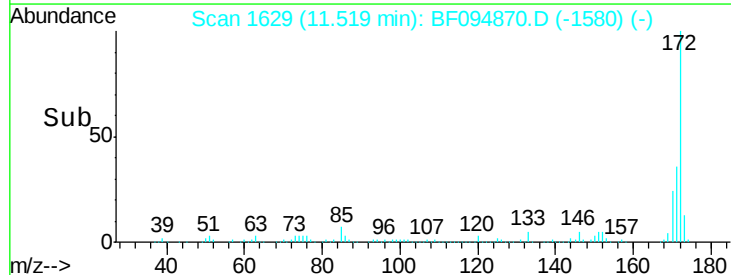
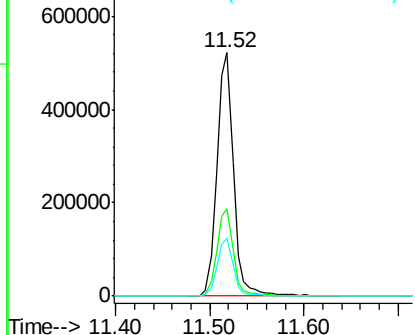


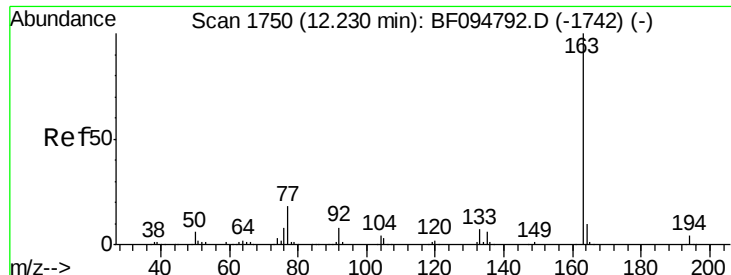
#44
 2-Fluorobiphenyl
 Concen: 64.75 ng
 RT: 11.52 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BF094870.D
 Acq: 4 May 2017 12:23

Tgt Ion:172 Resp: 649702
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 23.8 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





#49

Dimethylphthalate

Concen: 6.63 ng

RT: 12.21 min Scan# 1747

Delta R.T. -0.02 min

Lab File: BF094870.D

Acq: 4 May 2017 12:23

Instrument :

BNA_F

ClientSampleId :

PE-4

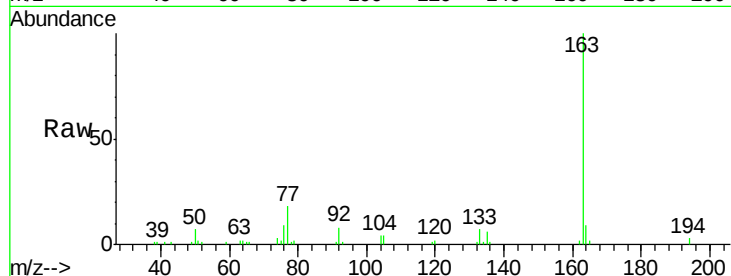
Tgt Ion:163 Resp: 78635

Ion Ratio Lower Upper

163 100

194 3.0 2.6 4.0

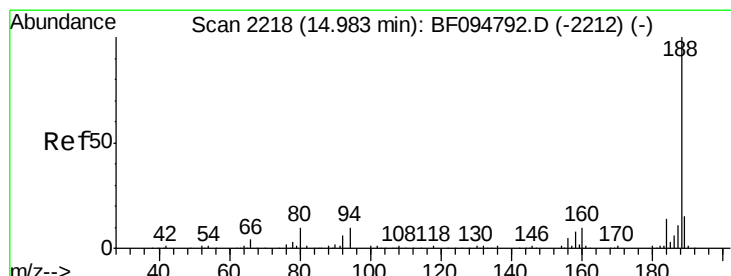
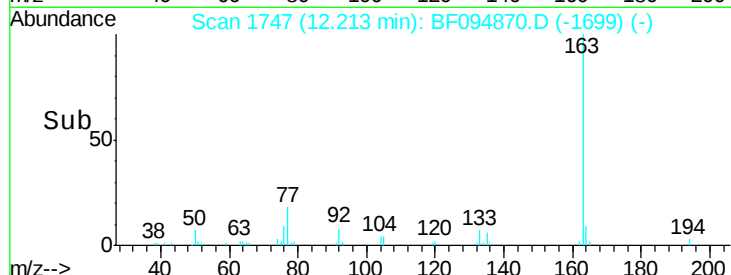
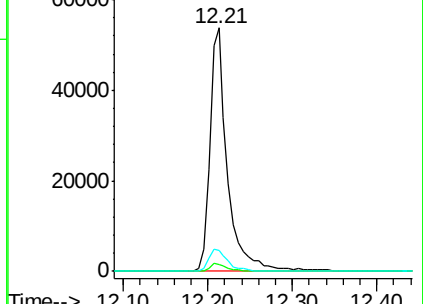
164 8.7 8.4 12.6



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: 14.97 min Scan# 2216

Delta R.T. -0.01 min

Lab File: BF094870.D

Acq: 4 May 2017 12:23

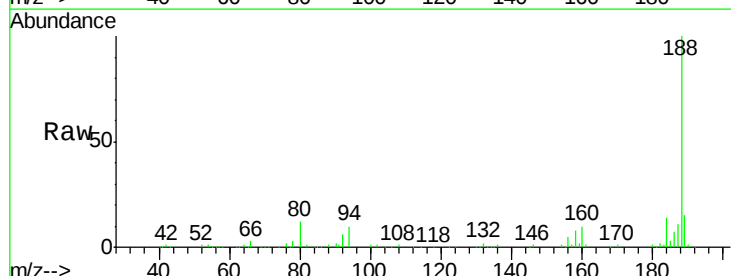
Tgt Ion:188 Resp: 253008

Ion Ratio Lower Upper

188 100

94 10.3 9.4 14.2

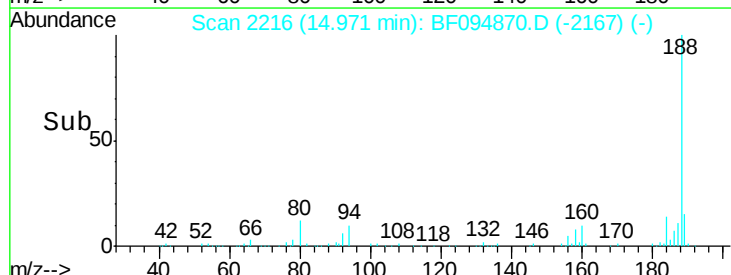
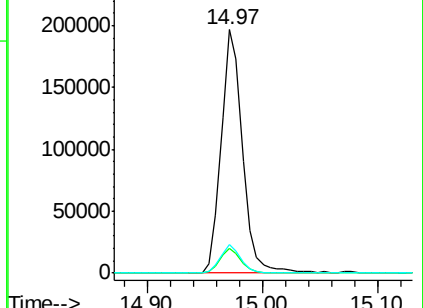
80 11.5 10.2 15.2

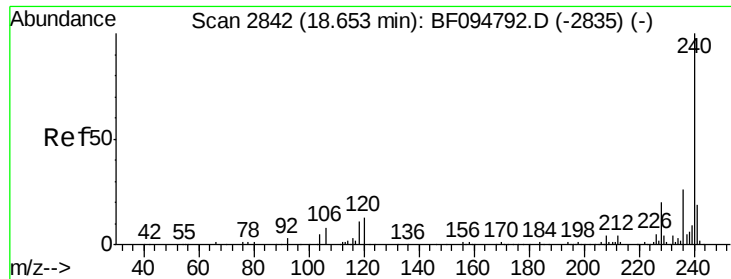


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

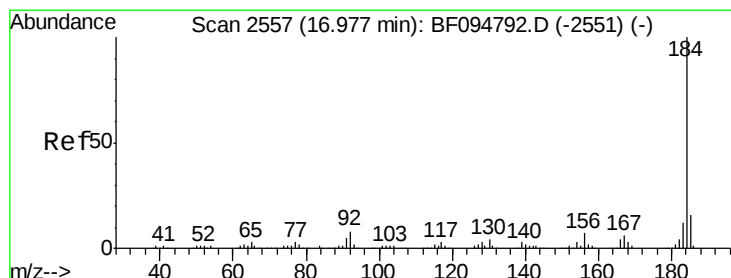
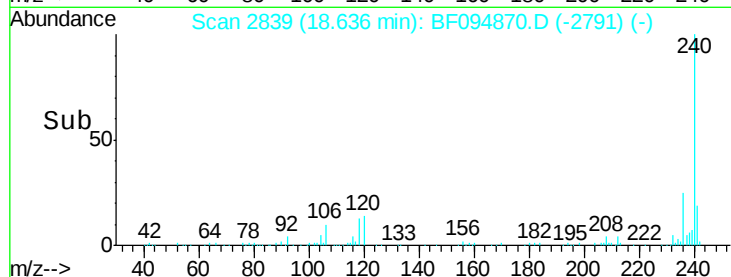
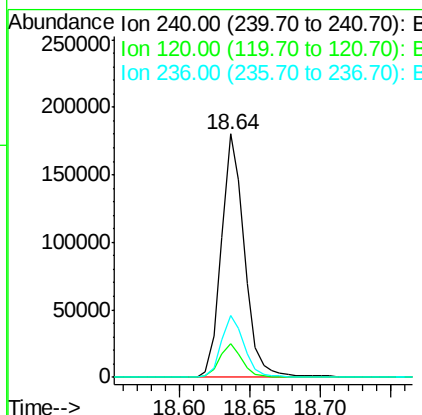
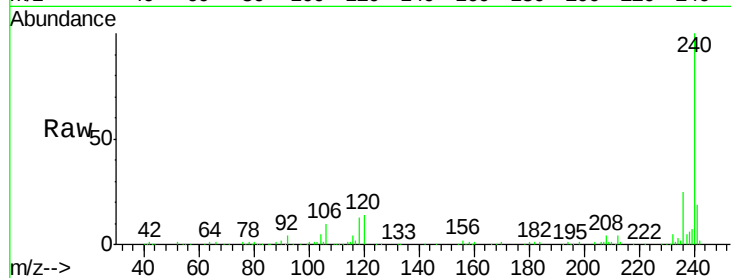




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.64 min Scan# 2839
 Delta R.T. -0.02 min
 Lab File: BF094870.D
 Acq: 4 May 2017 12:23

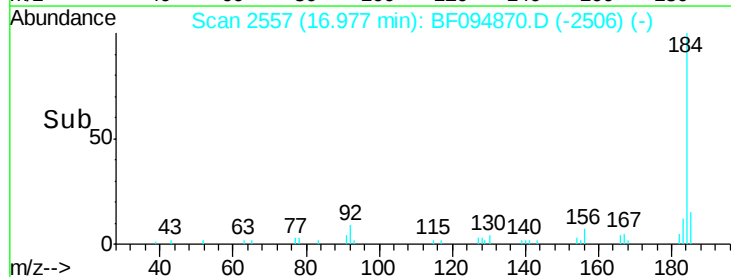
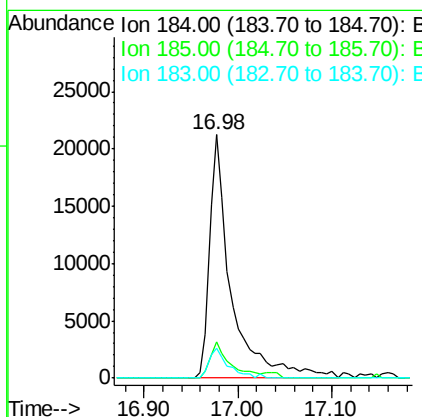
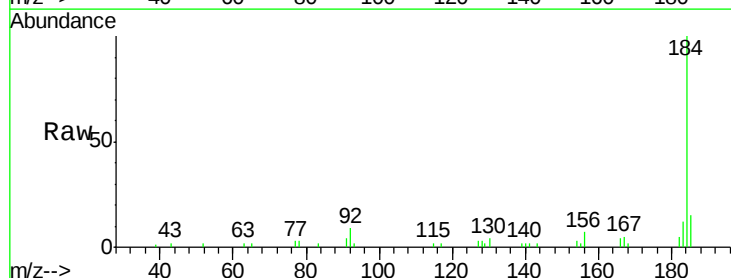
Instrument :
 BNA_F
 ClientSampleID :
 PE-4

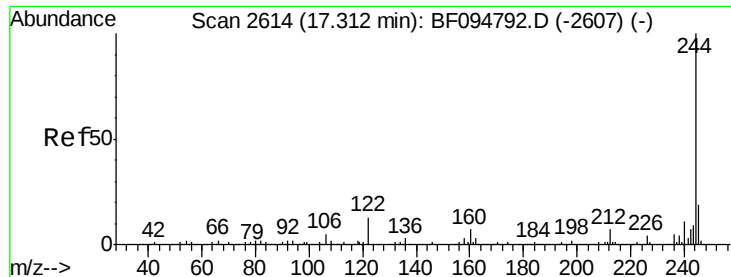
Tgt Ion: 240 Resp: 205188
 Ion Ratio Lower Upper
 240 100
 120 13.7 5.8 8.8#
 236 25.2 20.5 30.7



#76
 Benzidine
 Concen: 11.93 ng
 RT: 16.98 min Scan# 2557
 Delta R.T. 0.00 min
 Lab File: BF094870.D
 Acq: 4 May 2017 12:23

Tgt Ion: 184 Resp: 34345
 Ion Ratio Lower Upper
 184 100
 185 15.1 15.5 23.3#
 183 12.2 9.8 14.6

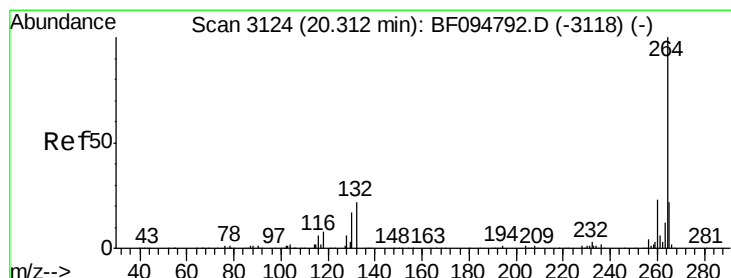
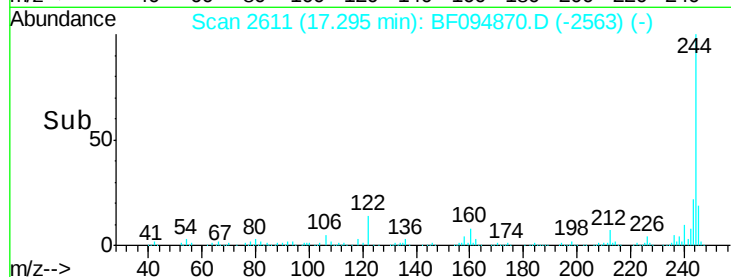
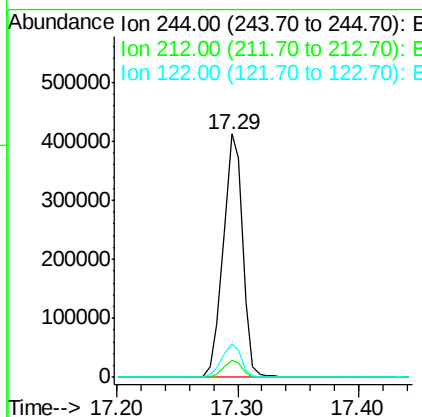
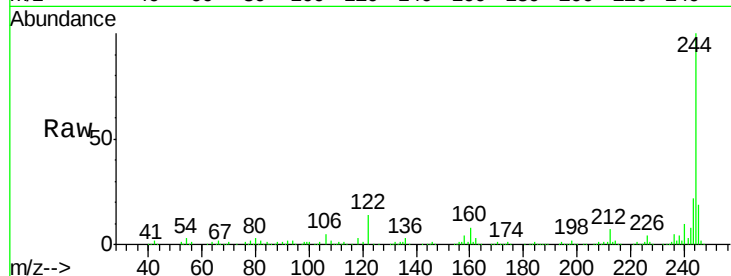




#78
 Terphenyl-d14
 Concen: 49.18 ng
 RT: 17.29 min Scan# 2611
 Delta R.T. -0.02 min
 Lab File: BF094870.D
 Acq: 4 May 2017 12:23

Instrument :
 BNA_F
 ClientSampled :
 PE-4

Tgt Ion:244 Resp: 458140
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 13.9 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.31 min Scan# 3123
 Delta R.T. -0.01 min
 Lab File: BF094870.D
 Acq: 4 May 2017 12:23

Tgt Ion:264 Resp: 143383
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.5 29.3
 265 20.4 17.2 25.8

