

Data Path : Z:\HPCHEM1\BNA_F\Data\BF050417\
 Data File : BF094875.D
 Acq On : 4 May 2017 15:50
 Operator : SJ/MA
 Sample : I2940-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 5040-COMP

Quant Time: May 04 16:39:35 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

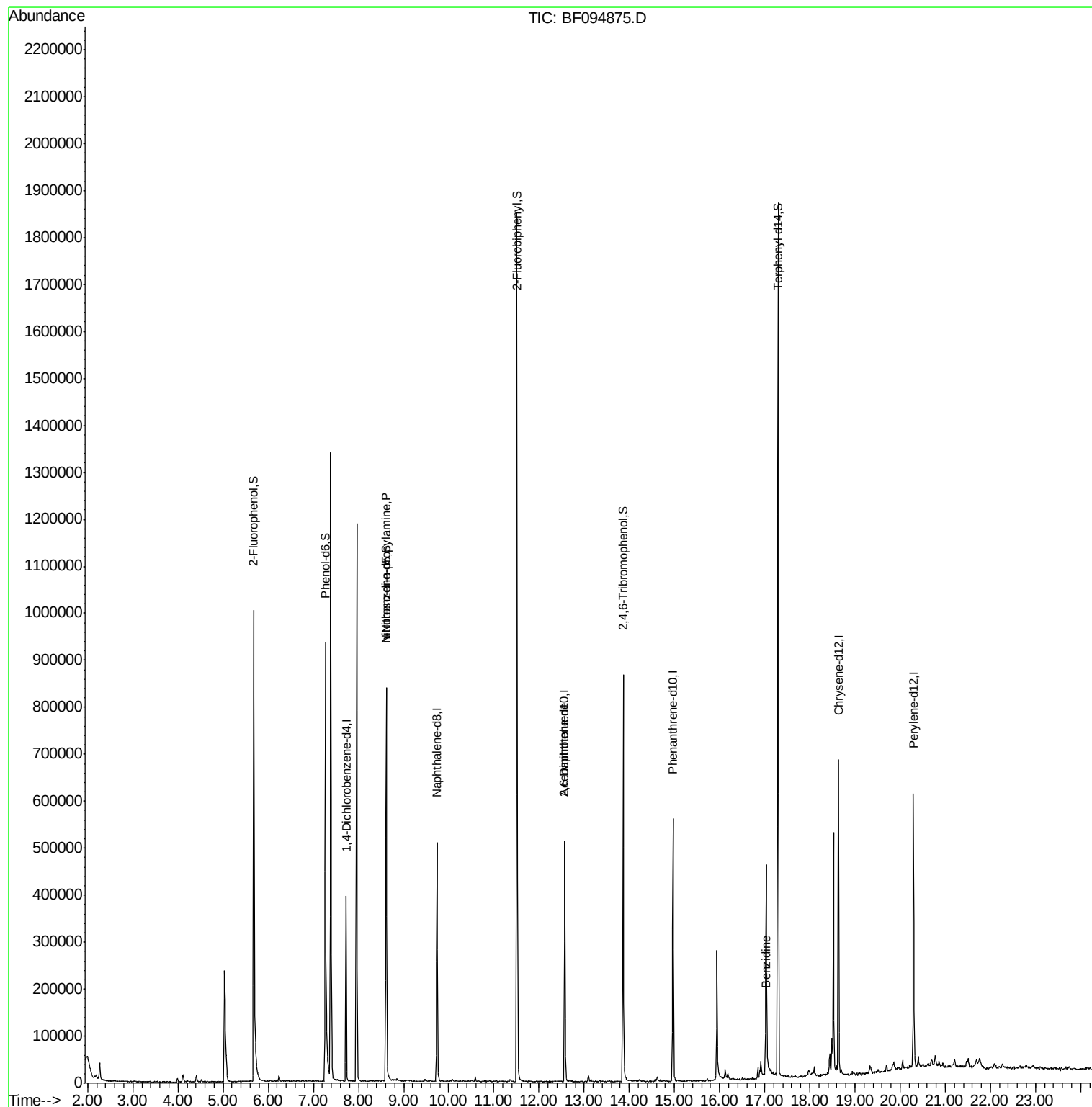
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	82329	20.00	ng	0.00
21) Naphthalene-d8	9.74	136	337287	20.00	ng	-0.01
38) Acenaphthene-d10	12.57	164	154026	20.00	ng	-0.02
63) Phenanthrene-d10	14.97	188	285196	20.00	ng	-0.02
75) Chrysene-d12	18.64	240	289747	20.00	ng	-0.02
86) Perylene-d12	20.30	264	261556	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	492621	99.76	ng	0.00
7) Phenol-d6	7.27	99	551023	93.00	ng	-0.01
23) Nitrobenzene-d5	8.62	82	382165	71.45	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	139558	110.64	ng	-0.02
44) 2-Fluorobiphenyl	11.51	172	760025	71.02	ng	-0.02
78) Terphenyl-d14	17.30	244	734954	55.87	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.62	70	48816	12.18	ng	# 74
50) 2,6-Dinitrotoluene	12.57	165	14797	5.74	ng	# 31
76) Benzidine	17.01	184	233	6.61	ng	# 1

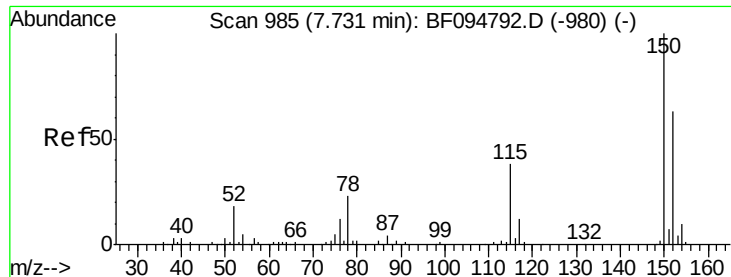
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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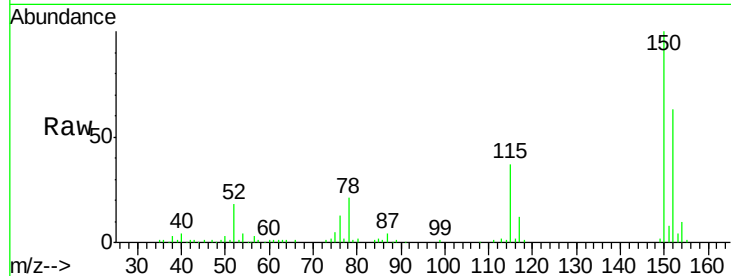


#1

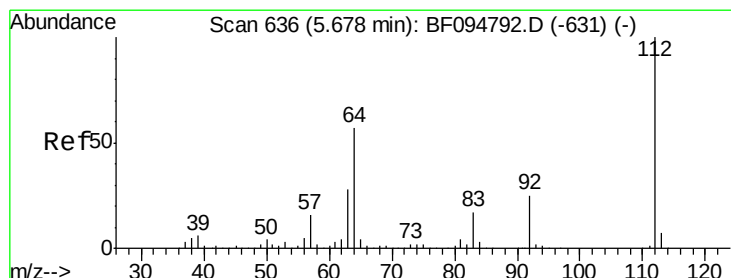
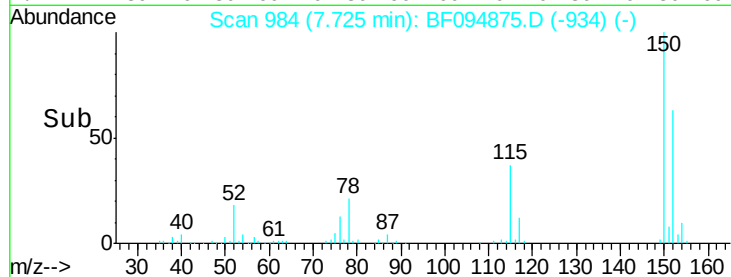
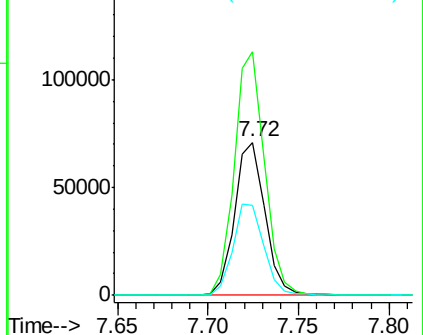
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF094875.D
Acq: 4 May 2017 15:50

Instrument :
BNA_F
ClientSampleId :
5040-COMP

Tgt Ion:152 Resp: 82329
Ion Ratio Lower Upper
152 100
150 158.9 126.2 189.2
115 58.3 52.2 78.2



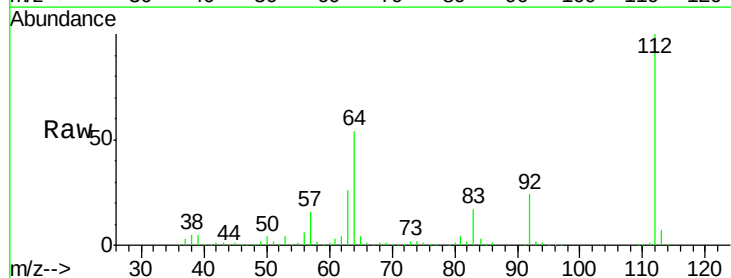
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



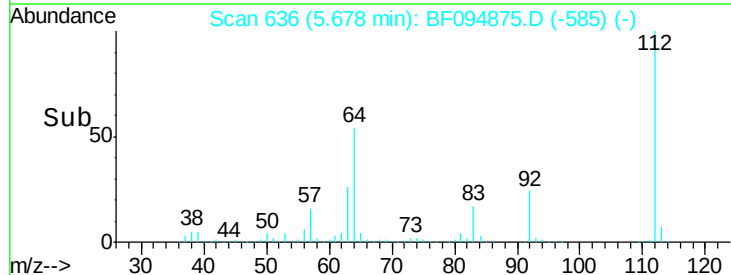
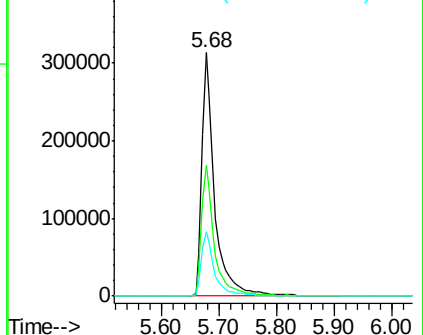
#5

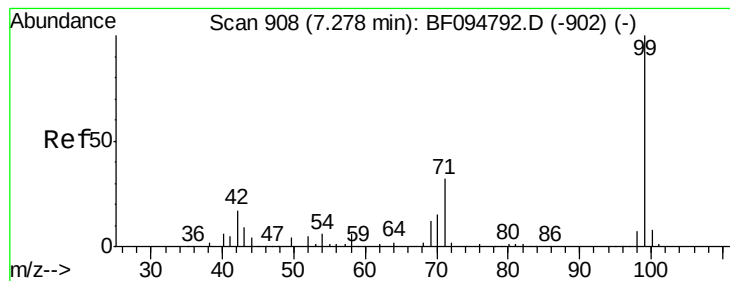
2-Fluorophenol
Concen: 99.76 ng
RT: 5.68 min Scan# 636
Delta R.T. 0.00 min
Lab File: BF094875.D
Acq: 4 May 2017 15:50

Tgt Ion:112 Resp: 492621
Ion Ratio Lower Upper
112 100
64 53.6 46.0 69.0
63 26.3 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: 93.00 ng

RT: 7.27 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF094875.D

Acq: 4 May 2017 15:50

Instrument :

BNA_F

ClientSampleId :

5040-COMP

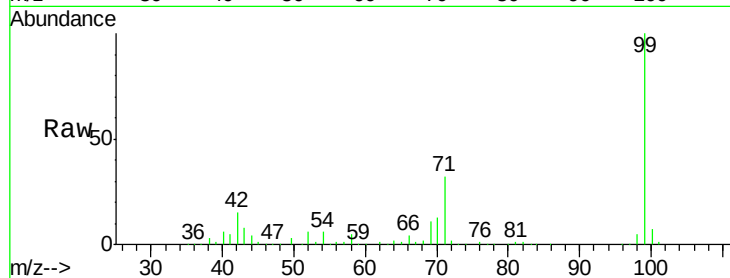
Tgt Ion: 99 Resp: 551023

Ion Ratio Lower Upper

99 100

42 15.1 13.5 20.3

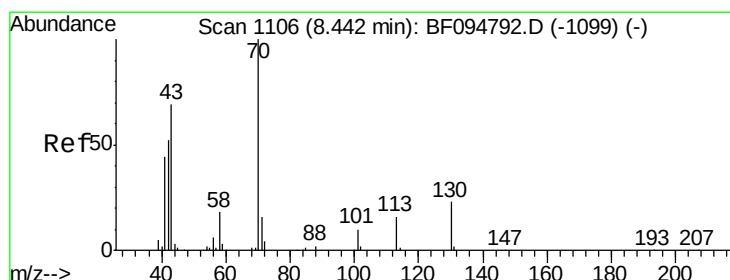
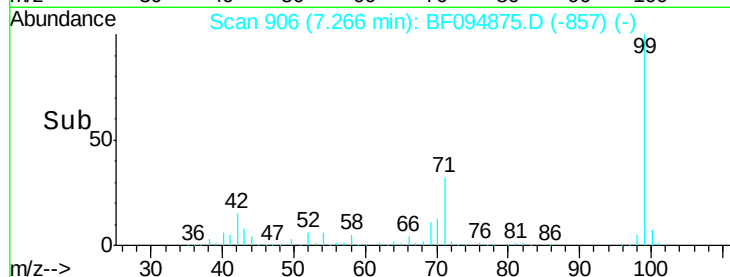
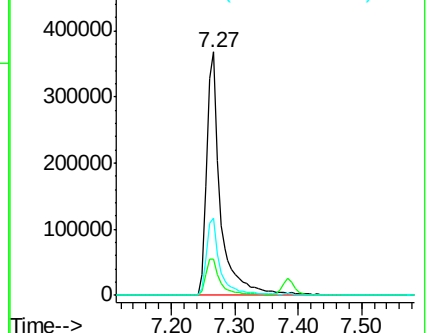
71 31.5 24.5 36.7



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: 12.18 ng

RT: 8.62 min Scan# 1136

Delta R.T. 0.18 min

Lab File: BF094875.D

Acq: 4 May 2017 15:50

Tgt Ion: 70 Resp: 48816

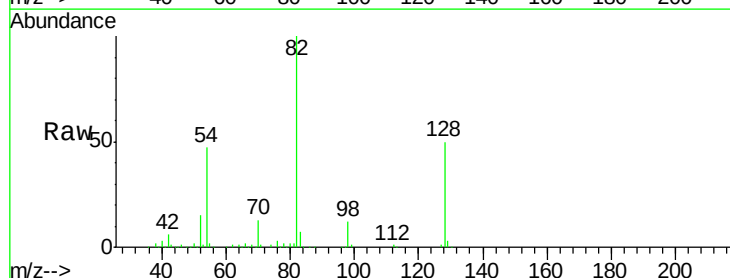
Ion Ratio Lower Upper

70 100

42 43.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

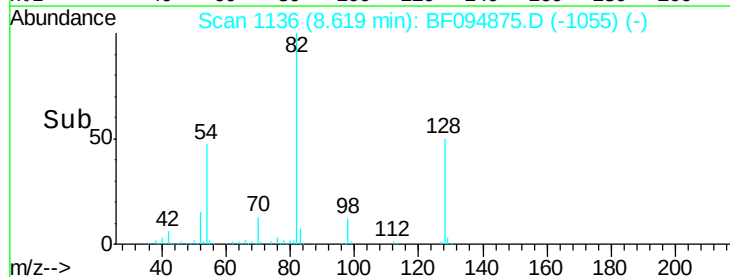
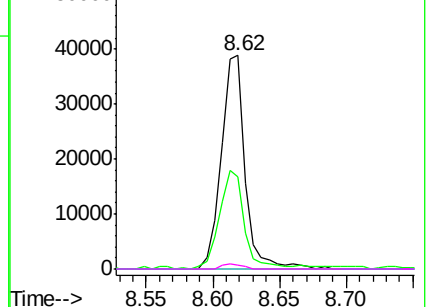


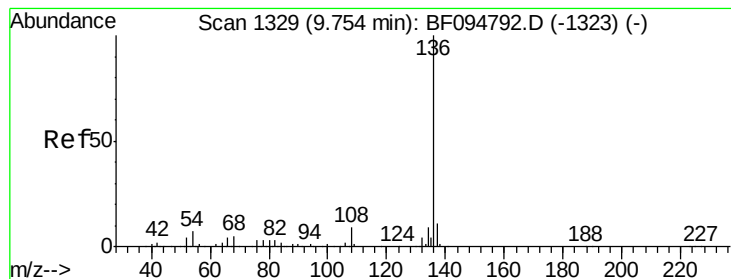
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF094875.D

Acq: 4 May 2017 15:50

Instrument :

BNA_F

ClientSampleId :

5040-COMP

Tgt Ion: 136 Resp: 337287

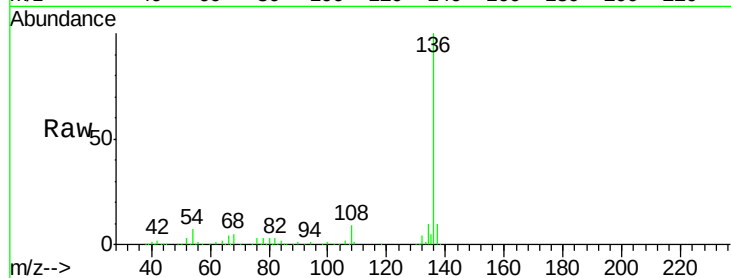
Ion Ratio Lower Upper

136 100

137 10.0 8.5 12.7

54 6.6 4.9 7.3

68 5.3 4.1 6.1

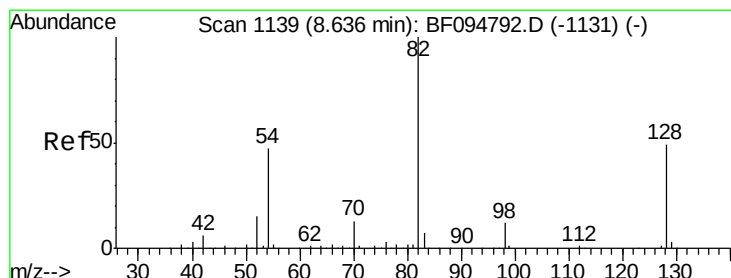
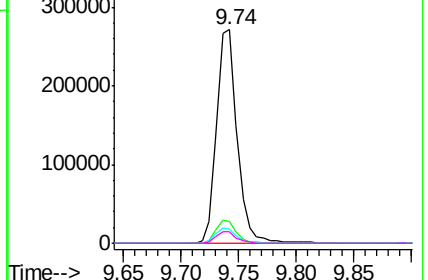
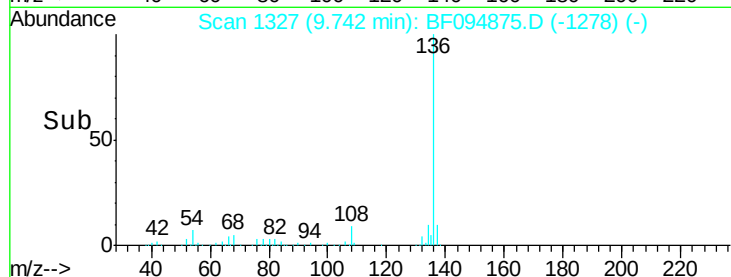


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.45 ng

RT: 8.62 min Scan# 1136

Delta R.T. -0.02 min

Lab File: BF094875.D

Acq: 4 May 2017 15:50

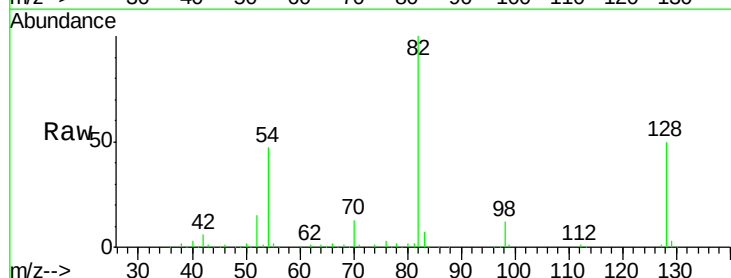
Tgt Ion: 82 Resp: 382165

Ion Ratio Lower Upper

82 100

128 49.9 34.0 51.0

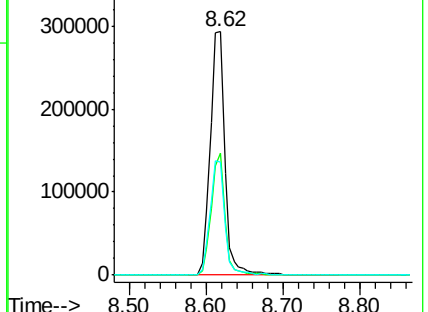
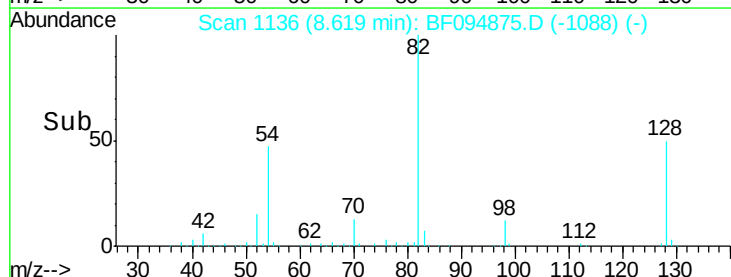
54 46.7 42.2 63.2

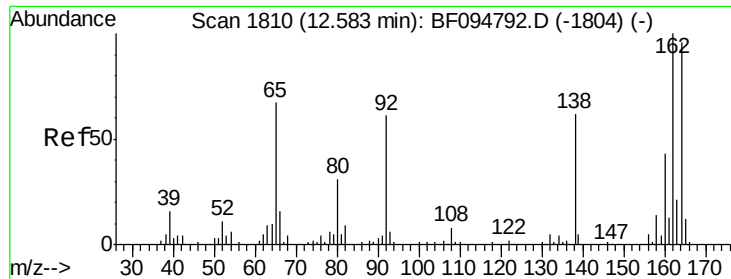


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.57 min Scan# 1807

Delta R.T. -0.02 min

Lab File: BF094875.D

Acq: 4 May 2017 15:50

Instrument :

BNA_F

ClientSampleId :

5040-COMP

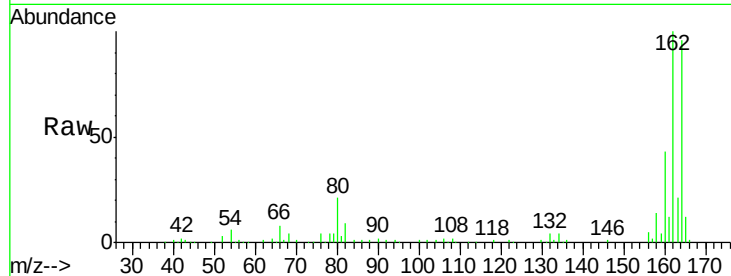
Tgt Ion:164 Resp: 154026

Ion Ratio Lower Upper

164 100

162 104.2 82.6 123.8

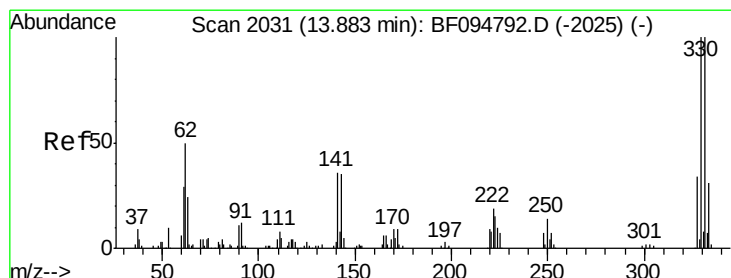
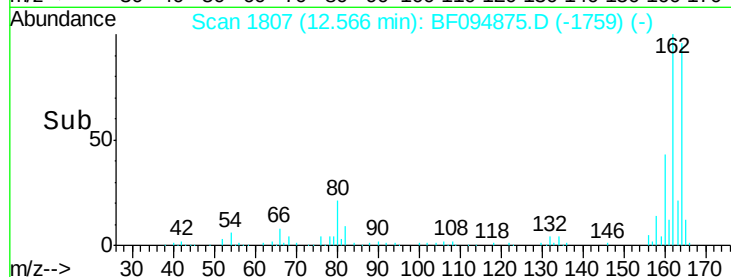
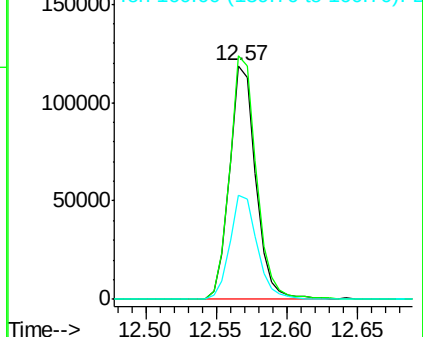
160 44.4 36.2 54.2



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: 110.64 ng

RT: 13.87 min Scan# 2028

Delta R.T. -0.02 min

Lab File: BF094875.D

Acq: 4 May 2017 15:50

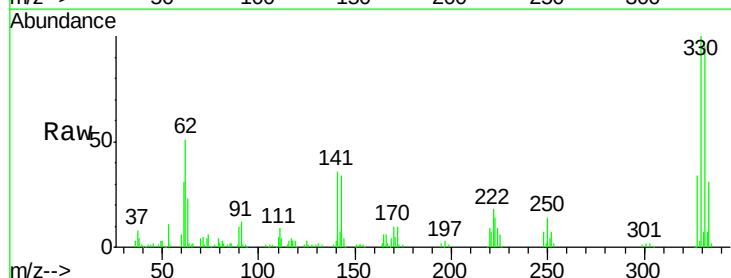
Tgt Ion:330 Resp: 139558

Ion Ratio Lower Upper

330 100

332 96.3 76.6 115.0

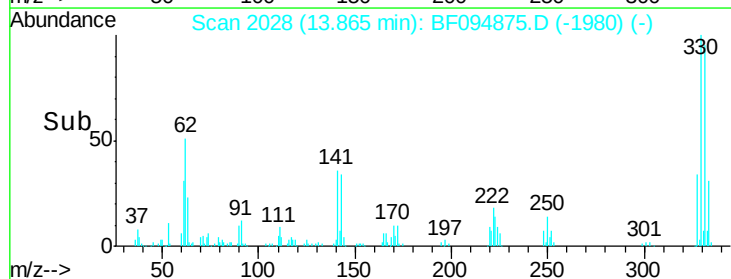
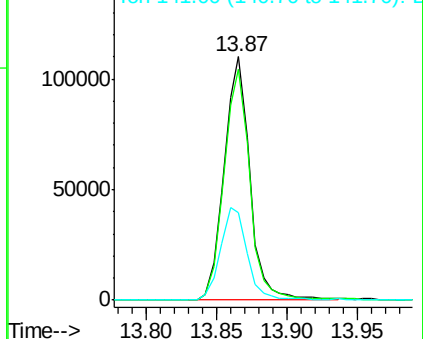
141 39.7 31.4 47.2

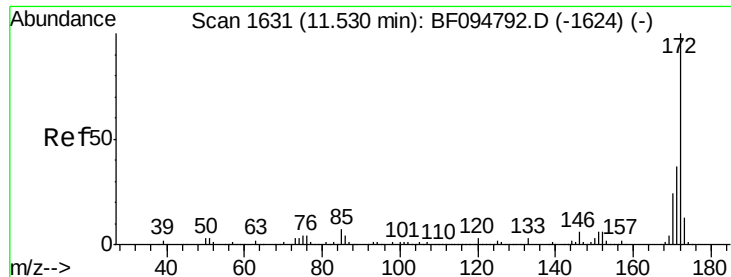


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

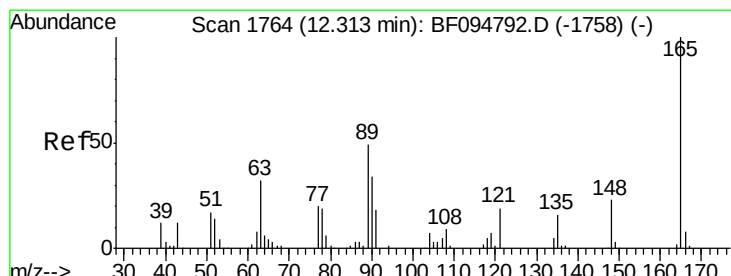
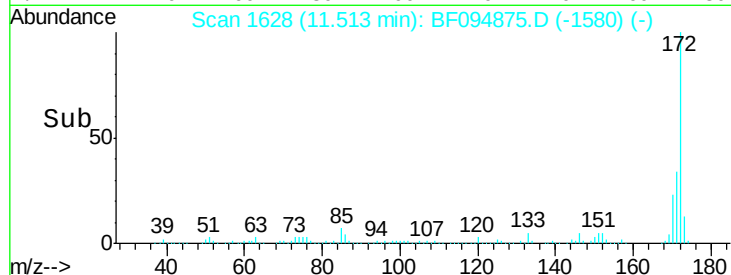
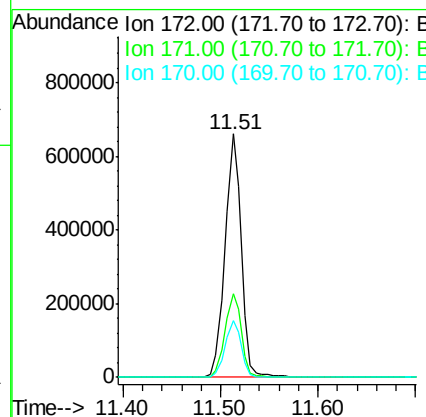
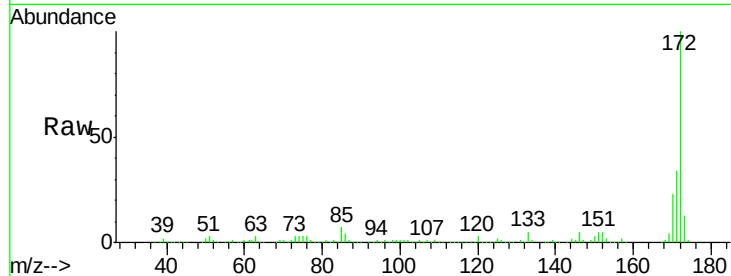




#44
 2-Fluorobiphenyl
 Concen: 71.02 ng
 RT: 11.51 min Scan# 1628
 Delta R.T. -0.02 min
 Lab File: BF094875.D
 Acq: 4 May 2017 15:50

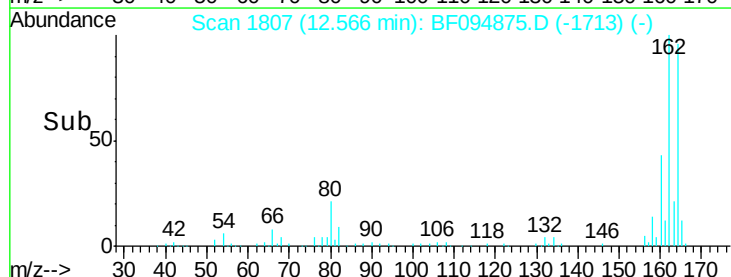
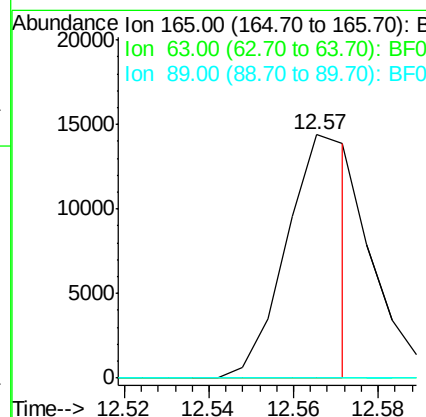
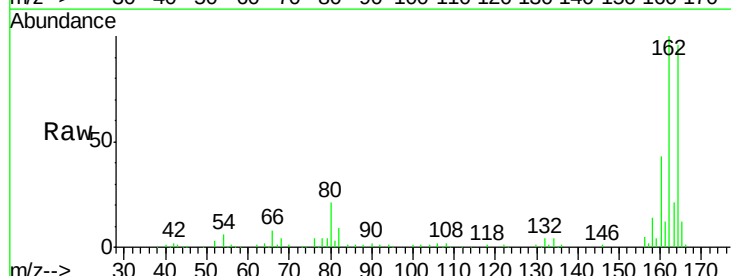
Instrument :
 BNA_F
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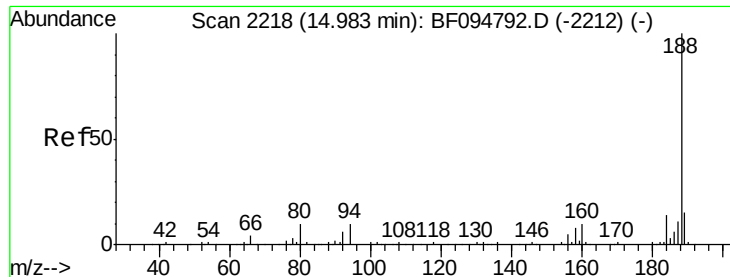
Tgt Ion:172 Resp: 760025
 Ion Ratio Lower Upper
 172 100
 171 34.3 29.6 44.4
 170 23.5 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 5.74 ng
 RT: 12.57 min Scan# 1807
 Delta R.T. 0.25 min
 Lab File: BF094875.D
 Acq: 4 May 2017 15:50

Tgt Ion:165 Resp: 14797
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 0.0 37.1 55.7#

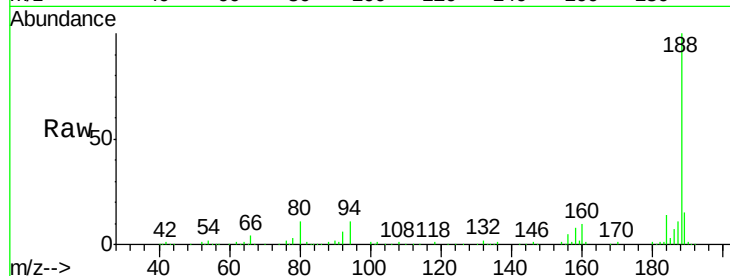




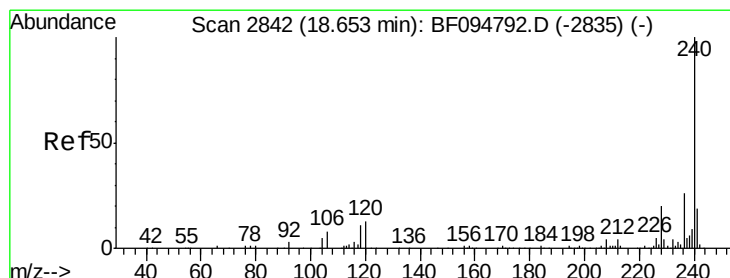
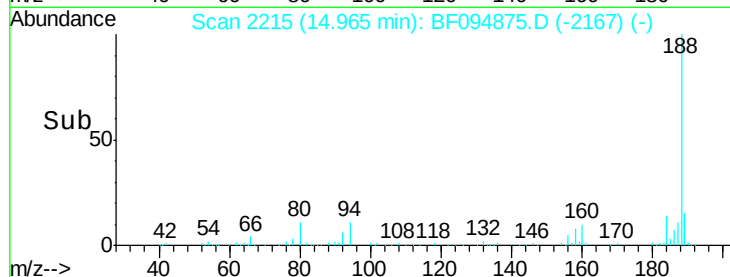
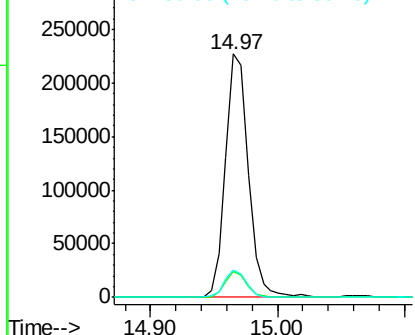
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.97 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF094875.D
Acq: 4 May 2017 15:50

Instrument :
BNA_F
ClientSampleId :
5040-COMP

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	9.4	14.2
80	11.3	10.2	15.2

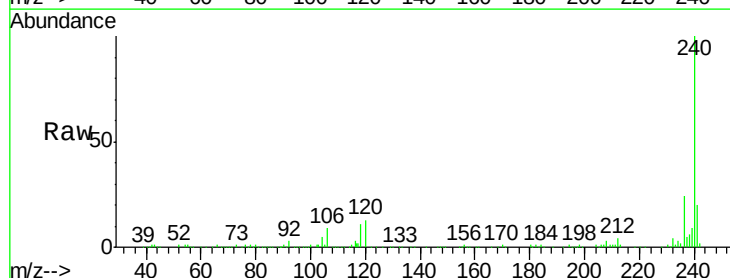


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

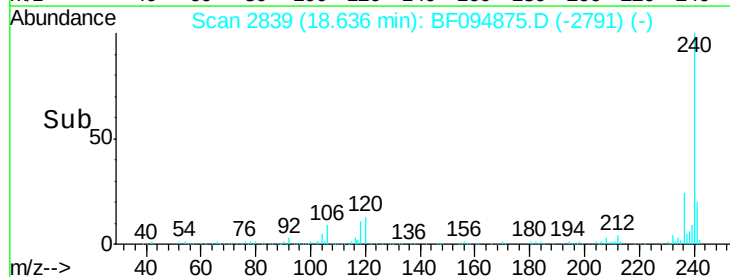
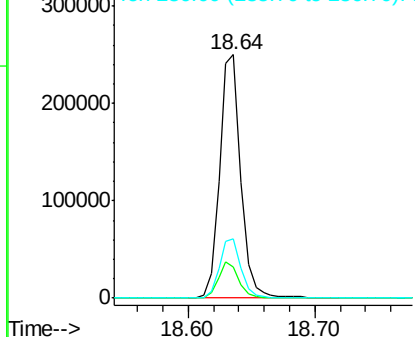


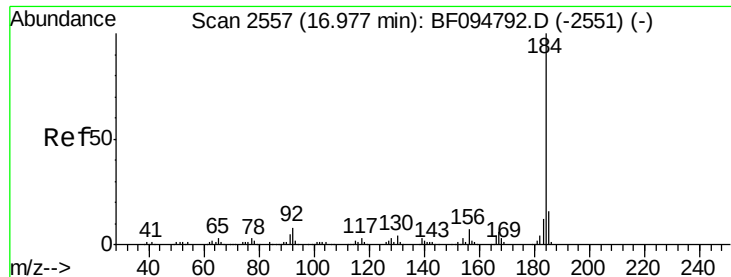
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.64 min Scan# 2839
Delta R.T. -0.02 min
Lab File: BF094875.D
Acq: 4 May 2017 15:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.6	5.8	8.8#
236	24.4	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

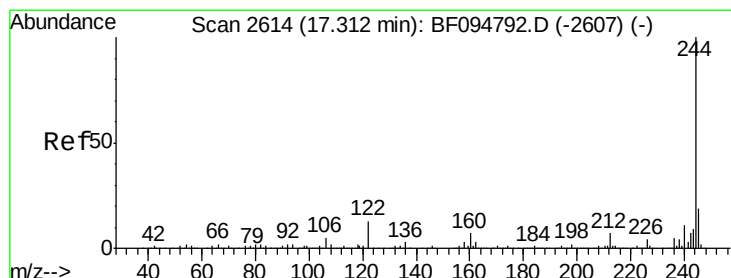
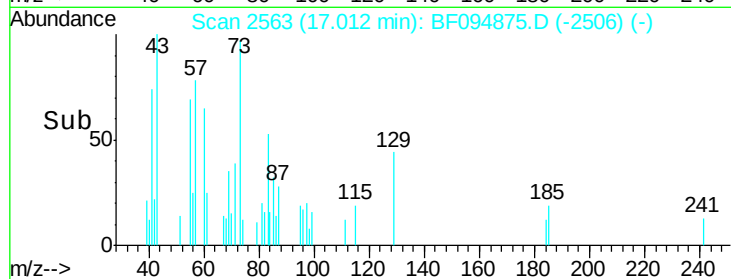
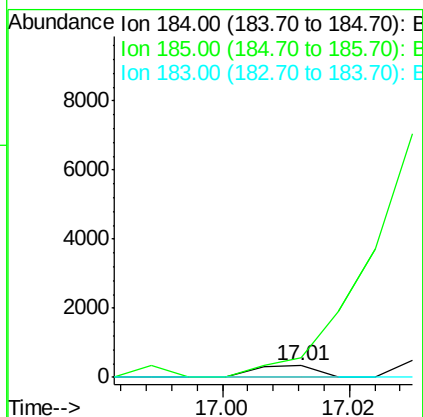
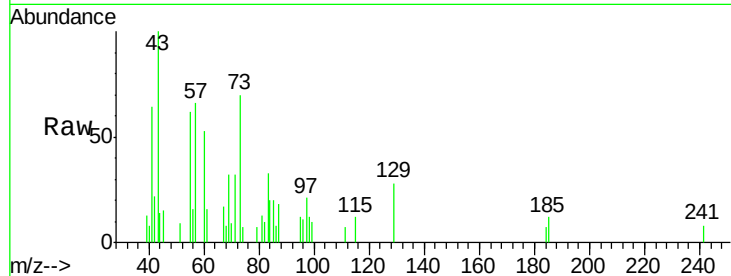




#76
Benzidine
Concen: 6.61 ng
RT: 17.01 min Scan# 2563
Delta R.T. 0.04 min
Lab File: BF094875.D
Acq: 4 May 2017 15:50

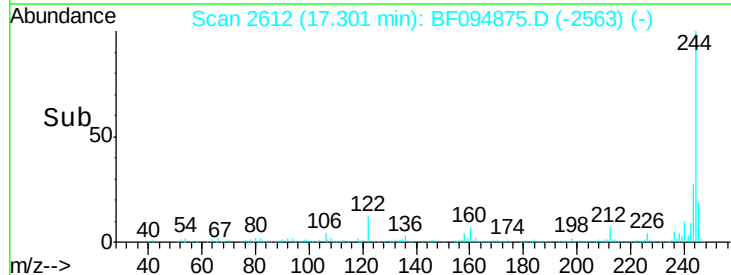
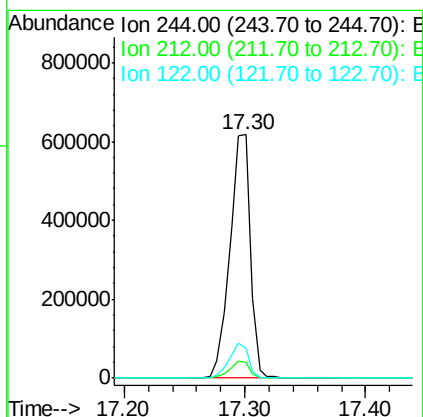
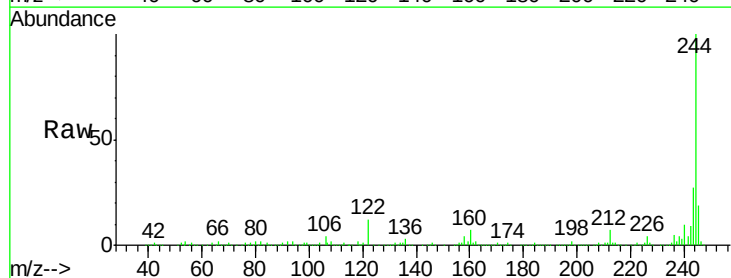
Instrument :
BNA_F
ClientSampleId :
5040-COMP

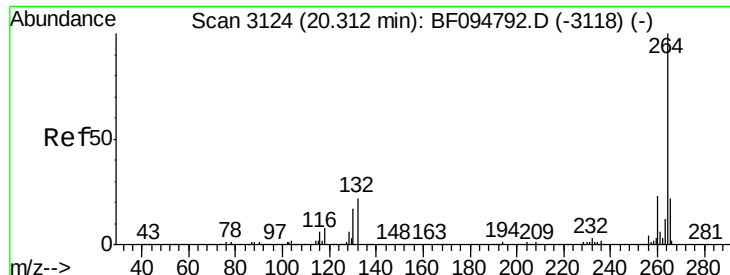
Tgt Ion:184 Resp: 233
Ion Ratio Lower Upper
184 100
185 164.1 15.5 23.3#
183 0.0 9.8 14.6#



#78
Terphenyl-d14
Concen: 55.87 ng
RT: 17.30 min Scan# 2612
Delta R.T. -0.01 min
Lab File: BF094875.D
Acq: 4 May 2017 15:50

Tgt Ion:244 Resp: 734954
Ion Ratio Lower Upper
244 100
212 6.5 6.0 9.0
122 12.2 10.3 15.5

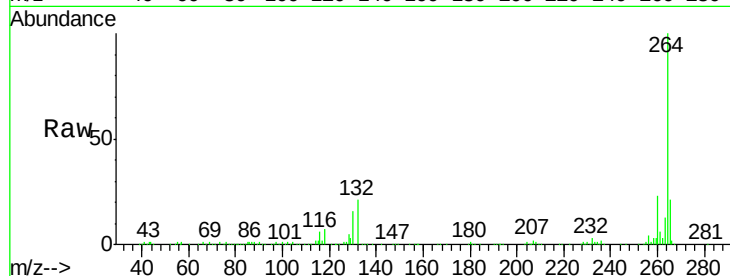




#86
Perylene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF094875.D
Acq: 4 May 2017 15:50

Instrument :
BNA_F
ClientSampleId :
5040-COMP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	20.8	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

