

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043017\
 Data File : BF094736.D
 Acq On : 1 May 2017 2:25
 Operator : SJ/MA
 Sample : I2902-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 04:52:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

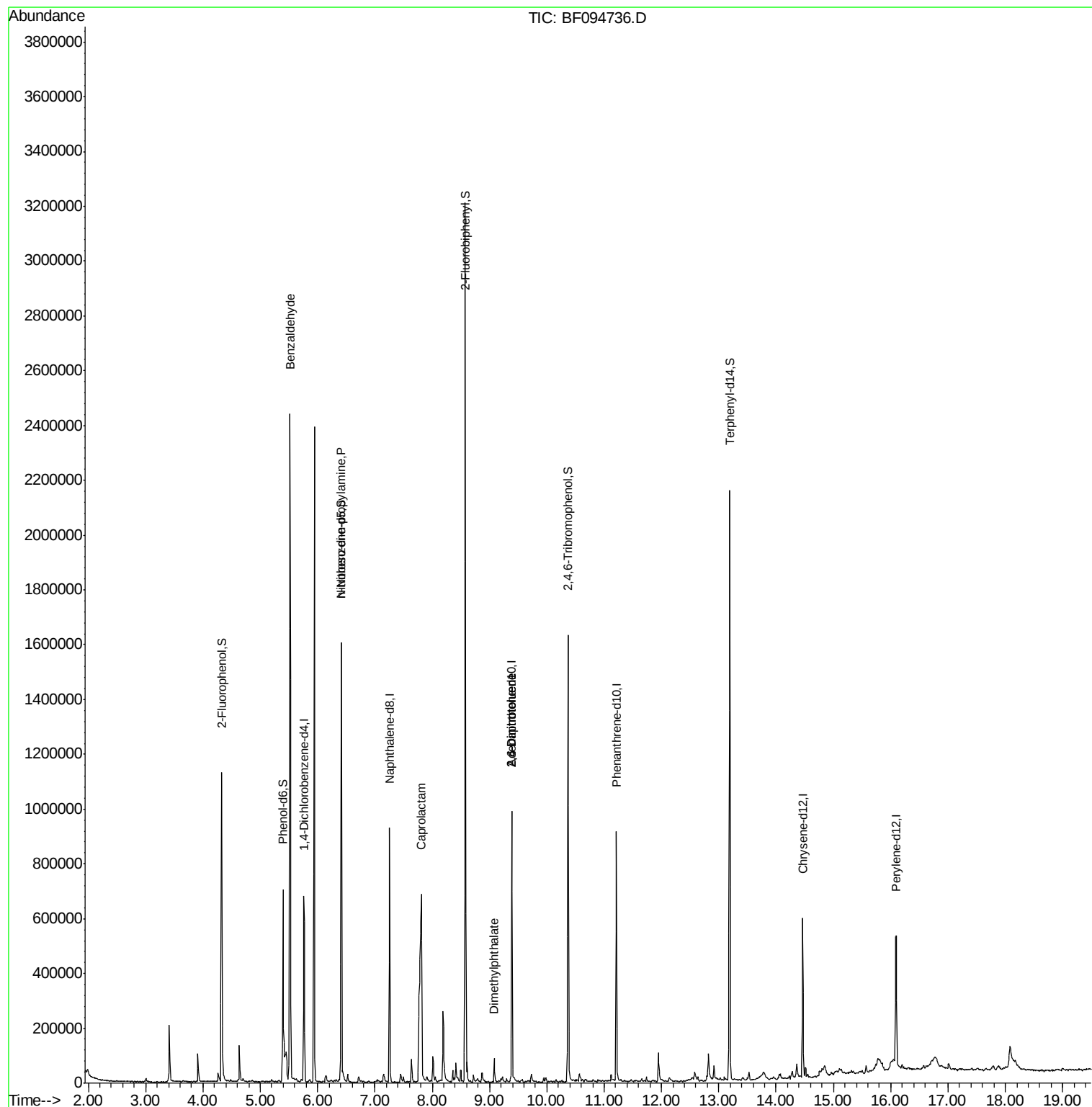
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	109177	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	449578	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	209092	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	353670	20.00	ng	0.00
75) Chrysene-d12	14.47	240	232269	20.00	ng	0.00
86) Perylene-d12	16.09	264	197678	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	381720	58.01	ng	0.02
7) Phenol-d6	5.40	99	303802	39.16	ng	0.00
23) Nitrobenzene-d5	6.41	82	611370	83.97	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	204767	125.20	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1202578	84.62	ng	0.00
78) Terphenyl-d14	13.19	244	826930	95.16	ng	0.00
Target Compounds						
9) Benzaldehyde	5.52	77	14453	2.45	ng	# 77
19) n-Nitroso-di-n-propylamine	6.41	70	82257	16.00	ng	# 75
35) Caprolactam	7.81	113	196037	100.25	ng	88
49) Dimethylphthalate	9.08	163	37562	2.41	ng	98
50) 2,6-Dinitrotoluene	9.39	165	26016	7.44	ng	# 32
56) 2,4-Dinitrotoluene	9.39	165	26016	6.06	ng	# 32

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

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.76 min Scan# 650

Delta R.T. -0.00 min

Lab File: BF094736.D

Acq: 1 May 2017 2:25

Instrument :

BNA_F

ClientSampled :

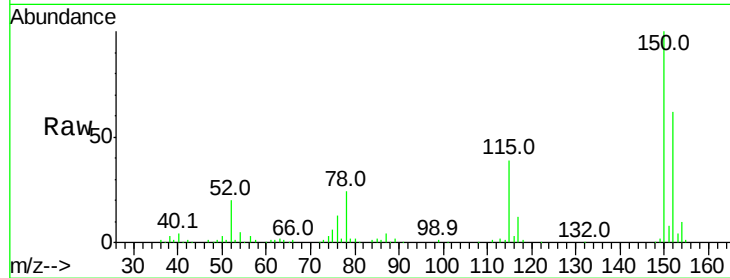
Tot Ion:152 Resp: 109177

Ion Ratio Lower Upper

152 100

150 161.4 126.2 189.2

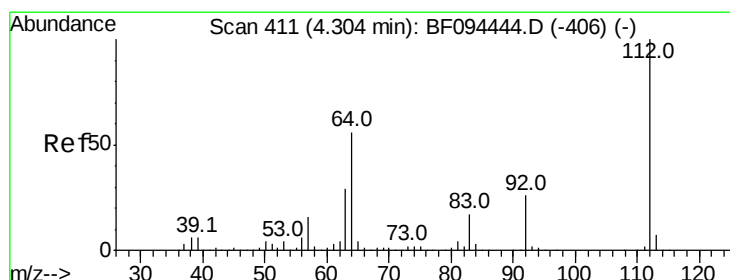
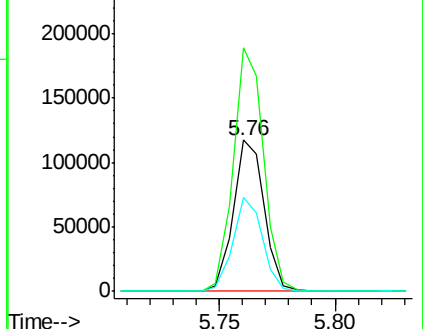
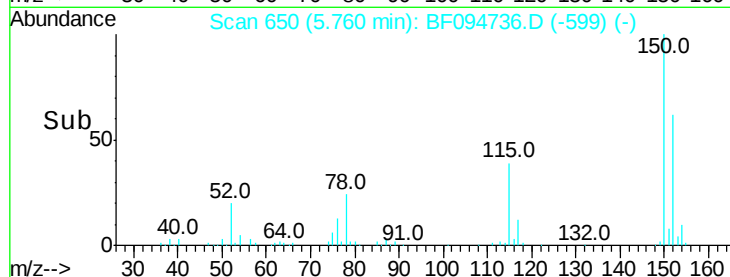
115 62.3 52.2 78.2



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: 58.01 ng

RT: 4.32 min Scan# 406

Delta R.T. 0.02 min

Lab File: BF094736.D

Acq: 1 May 2017 2:25

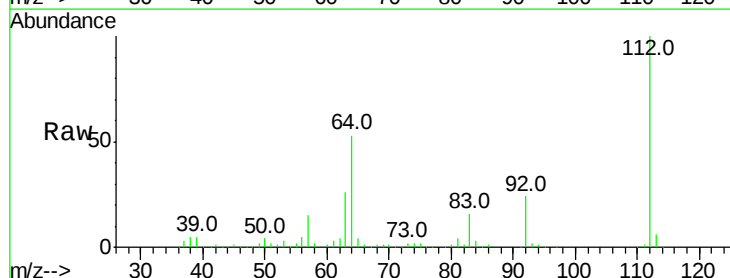
Tgt Ion:112 Resp: 381720

Ion Ratio Lower Upper

112 100

64 52.7 46.0 69.0

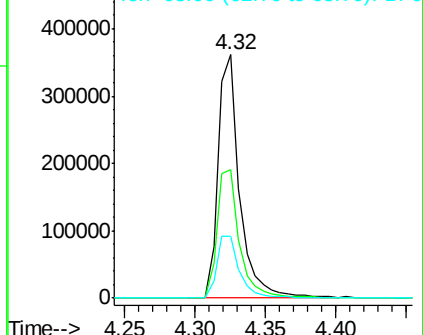
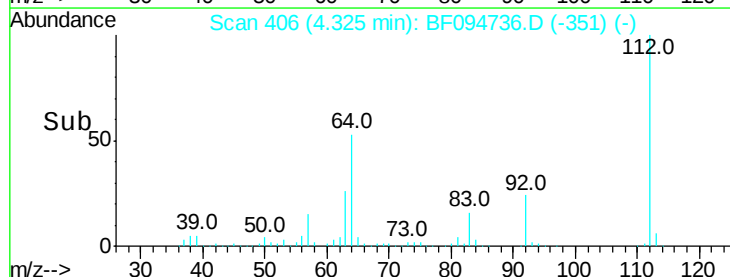
63 25.6 23.4 35.0

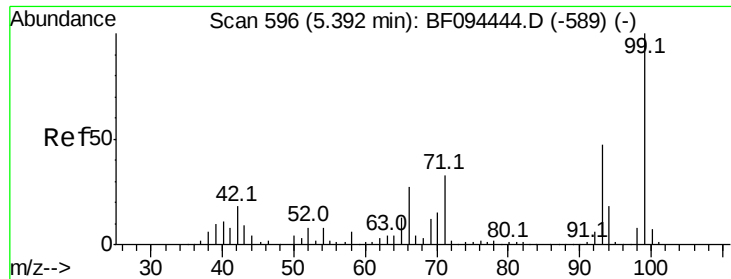


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.16 ng

RT: 5.40 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF094736.D

Acq: 1 May 2017 2:25

Instrument :

BNA_F

ClientSampleId :

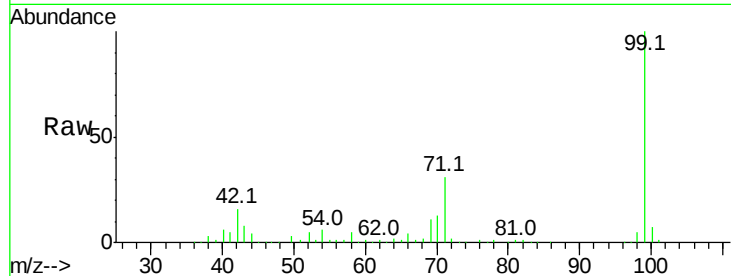
Tot Ion: 99 Resp: 303802

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

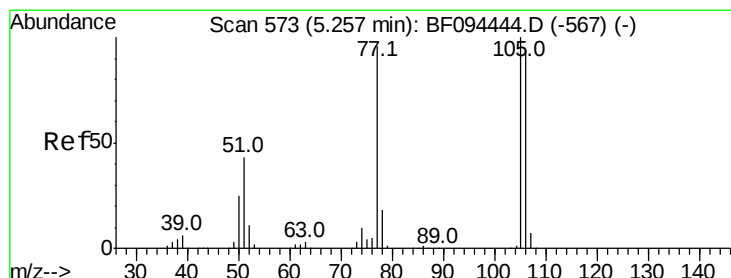
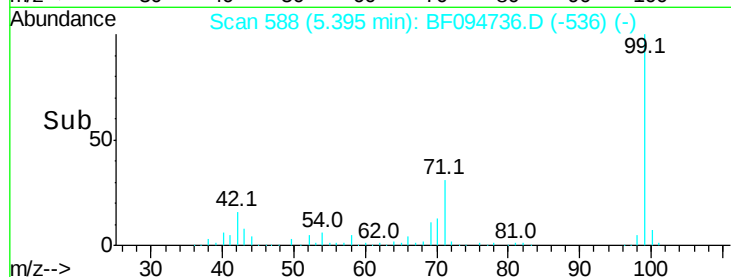
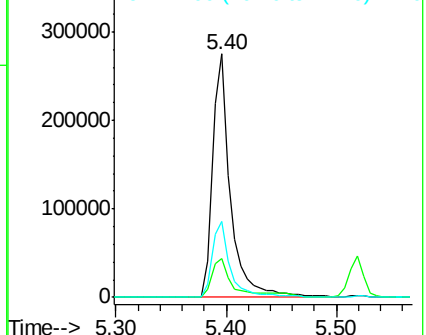
71 31.4 24.5 36.7



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



#9

Benzaldehyde

Concen: 2.45 ng

RT: 5.52 min Scan# 609

Delta R.T. 0.26 min

Lab File: BF094736.D

Acq: 1 May 2017 2:25

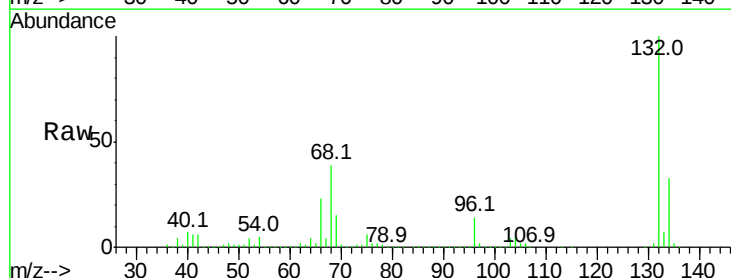
Tgt Ion: 77 Resp: 14453

Ion Ratio Lower Upper

77 100

105 80.2 83.8 123.8#

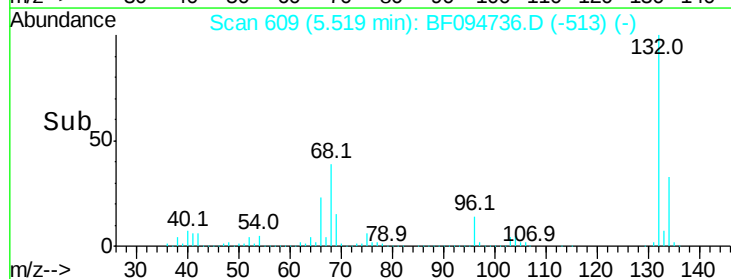
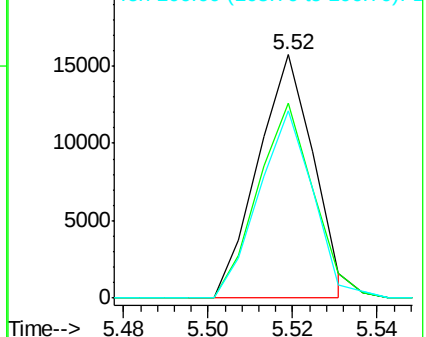
106 76.7 79.1 119.1#

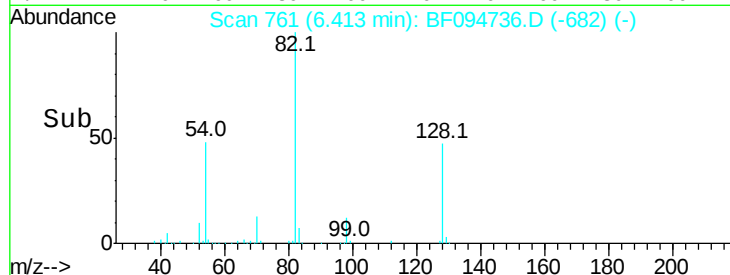
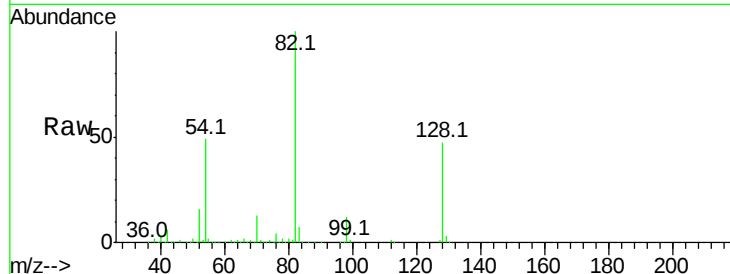
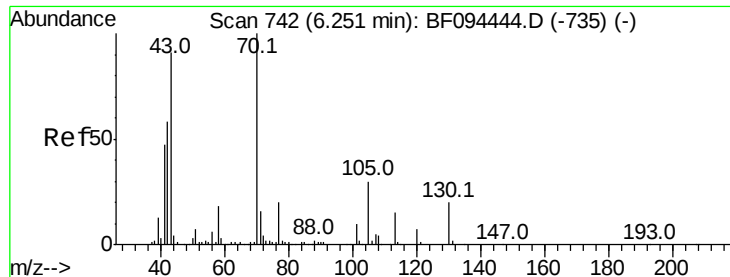


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

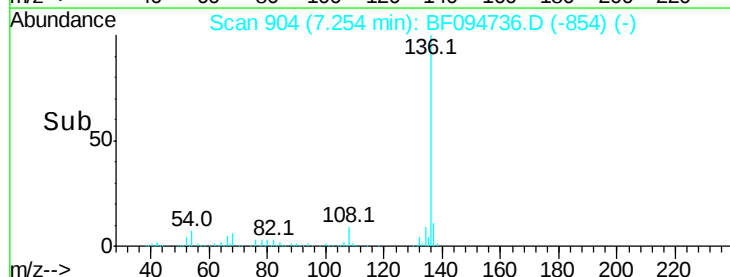
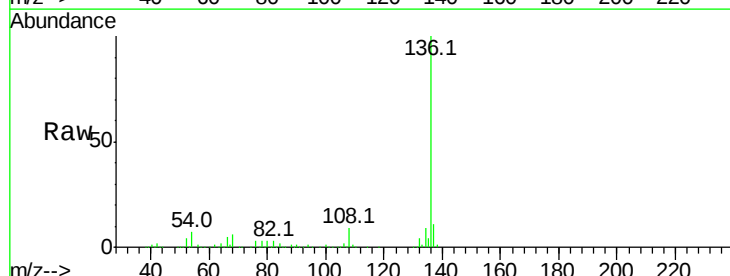
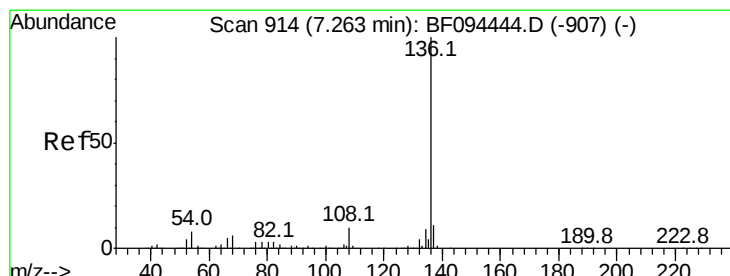
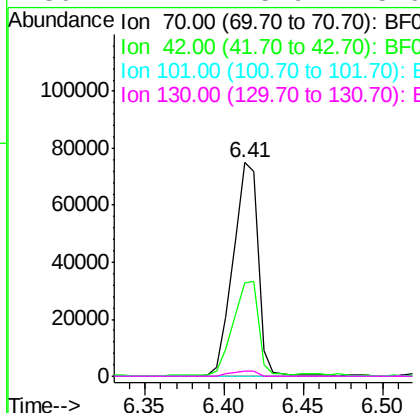




#19
n-Nitroso-di-n-propylamine
Concen: 16.00 ng
RT: 6.41 min Scan# 761
Delta R.T. 0.16 min
Lab File: BF094736.D
Acq: 1 May 2017 2:25

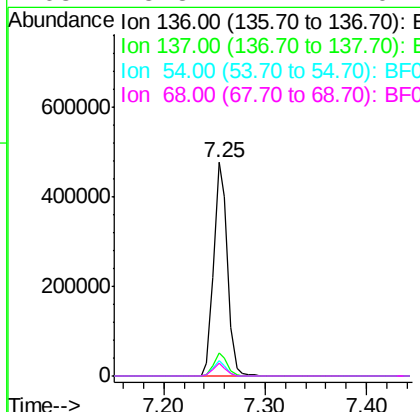
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 82257
Ion Ratio Lower Upper
70 100
42 44.0 47.2 70.8#
101 0.0 7.2 10.8#
130 2.4 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.25 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF094736.D
Acq: 1 May 2017 2:25

Tgt Ion:136 Resp: 449578
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 7.3 4.9 7.3
68 5.8 4.1 6.1

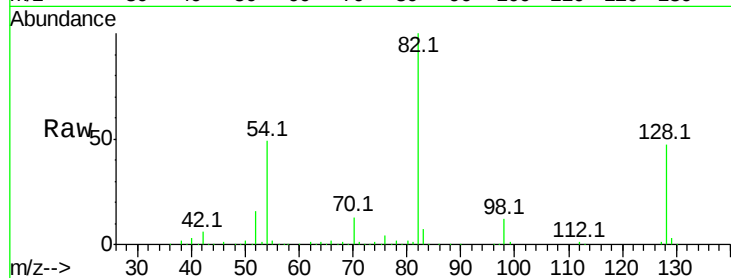




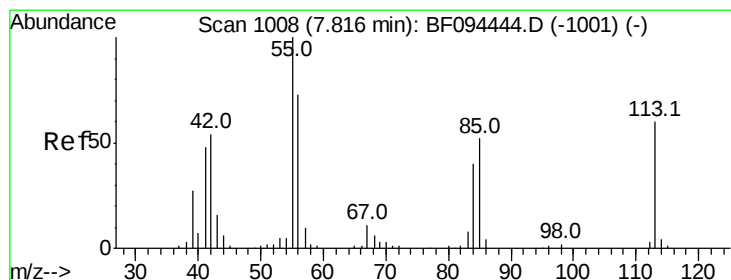
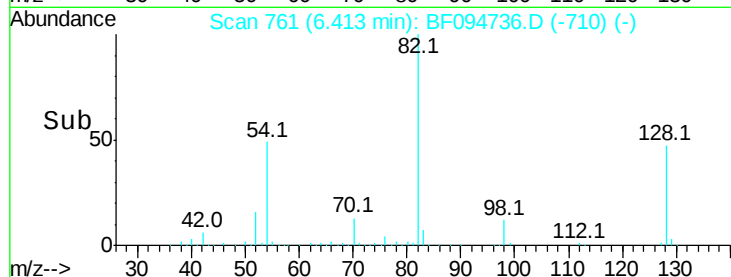
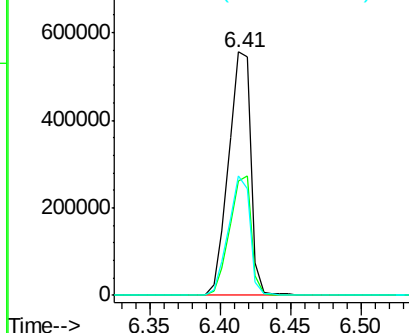
#23
 Nitrobenzene-d5
 Concen: 83.97 ng
 RT: 6.41 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BF094736.D
 Acq: 1 May 2017 2:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 611370
 Ion Ratio Lower Upper
 82 100
 128 47.2 34.0 51.0
 54 49.1 42.2 63.2

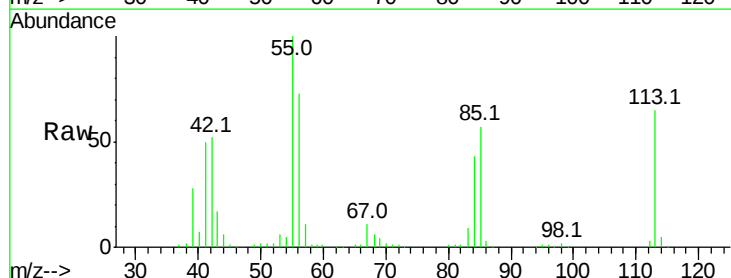


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

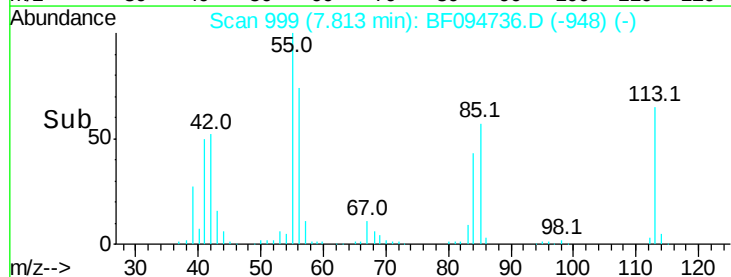
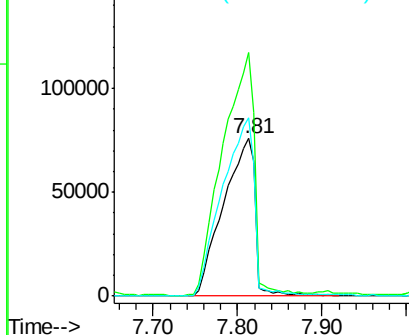


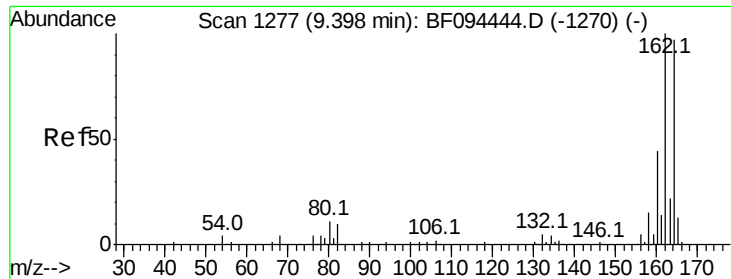
#35
 Caprolactam
 Concen: 100.25 ng
 RT: 7.81 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: BF094736.D
 Acq: 1 May 2017 2:25

Tgt Ion: 113 Resp: 196037
 Ion Ratio Lower Upper
 113 100
 55 154.8 150.2 190.2
 56 113.5 107.8 147.8



Abundance Ion 113.00 (112.70 to 113.70): BF0
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

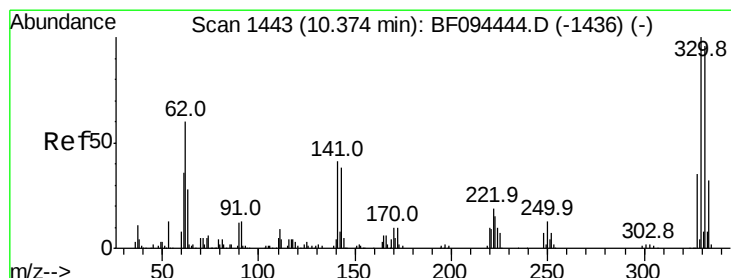
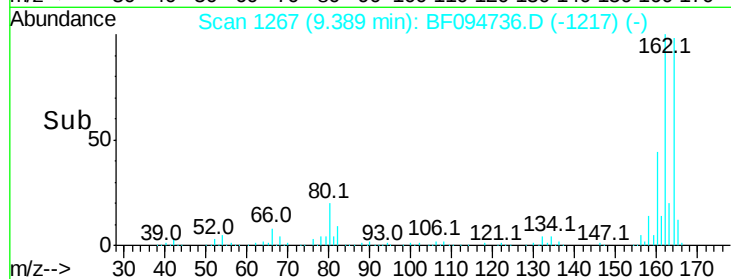
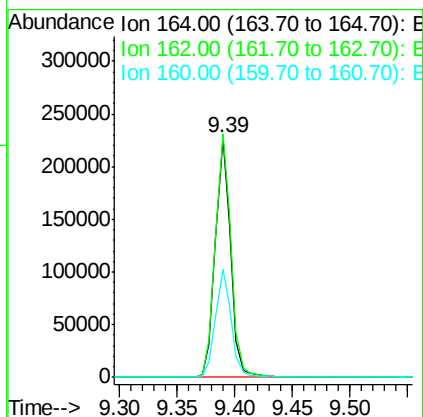
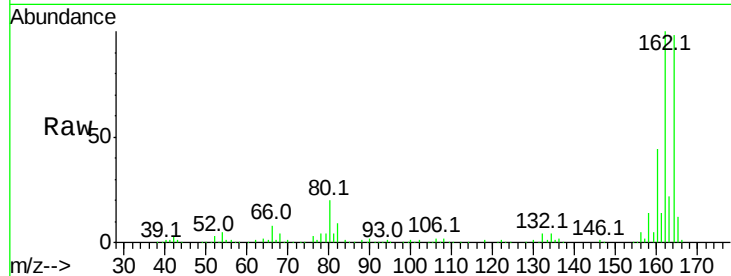




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF094736.D
 Acq: 1 May 2017 2:25

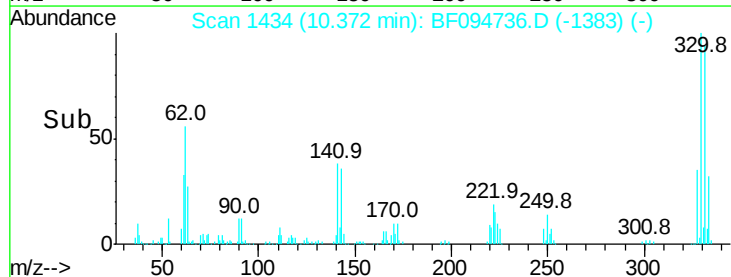
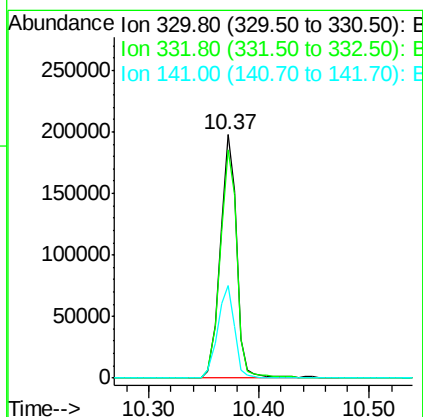
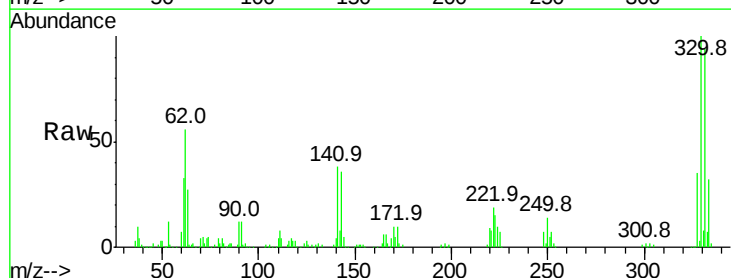
Instrument :
 BNA_F
 ClientSampleId :

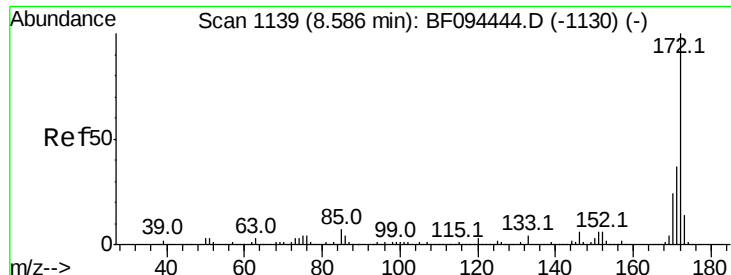
Tot Ion:164 Resp: 209092
 Ion Ratio Lower Upper
 164 100
 162 102.1 82.6 123.8
 160 45.3 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 125.20 ng
 RT: 10.37 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: BF094736.D
 Acq: 1 May 2017 2:25

Tgt Ion:330 Resp: 204767
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 115.0
 141 39.3 31.4 47.2

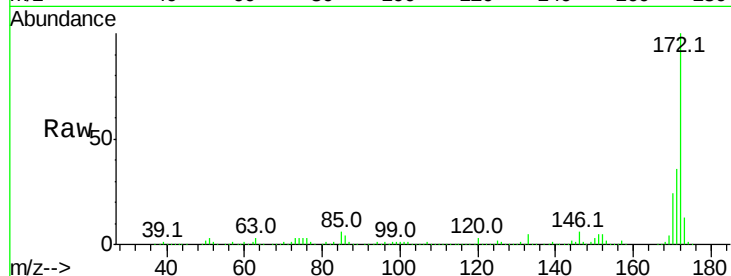




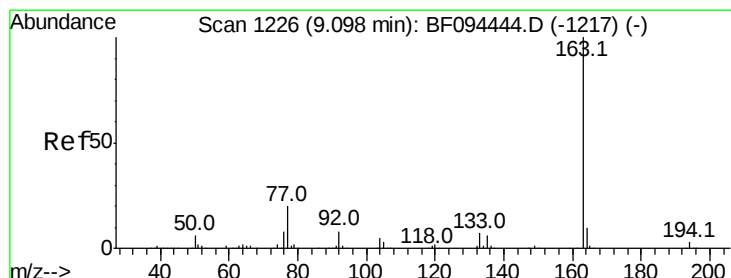
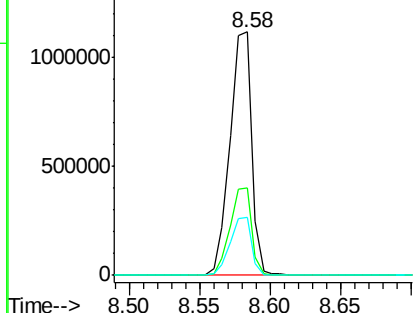
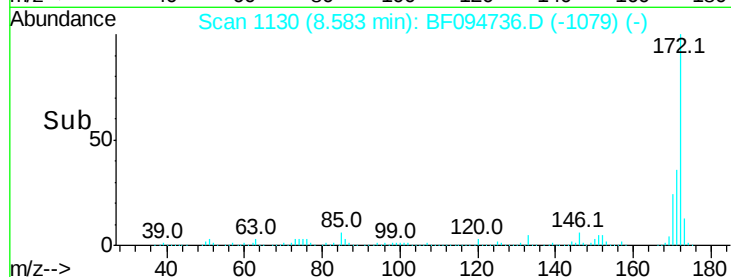
#44
2-Fluorobiphenyl
Concen: 84.62 ng
RT: 8.58 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BF094736.D
Acq: 1 May 2017 2:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1202578
Ion Ratio Lower Upper
172 100
171 36.1 29.6 44.4
170 23.9 19.8 29.8

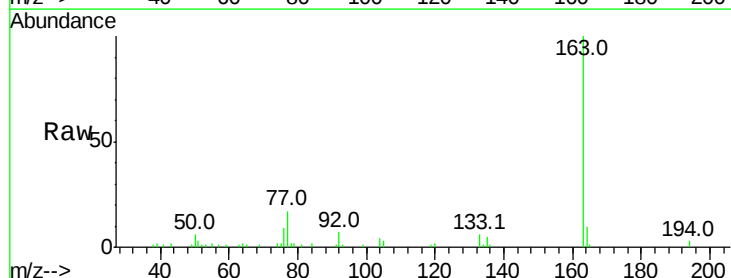


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

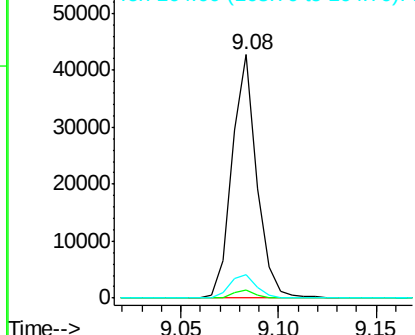
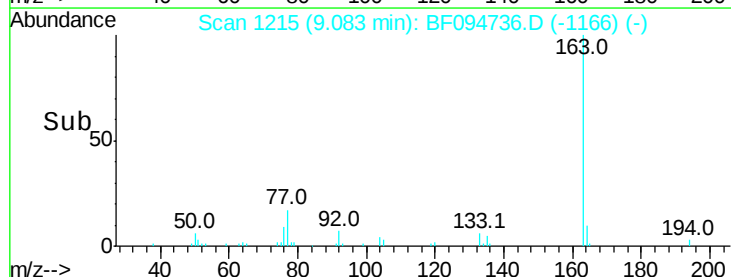


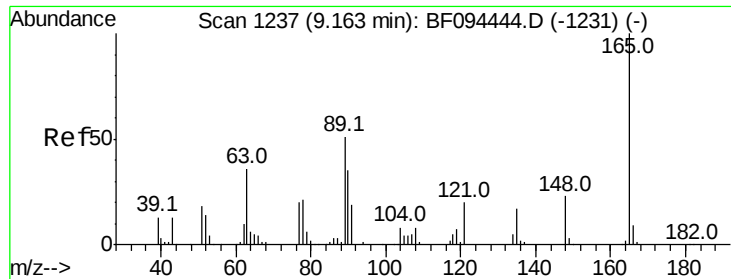
#49
Dimethylphthalate
Concen: 2.41 ng
RT: 9.08 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF094736.D
Acq: 1 May 2017 2:25

Tgt Ion:163 Resp: 37562
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 9.5 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





#50

2,6-Dinitrotoluene

Concen: 7.44 ng

RT: 9.39 min Scan# 1267

Delta R.T. 0.23 min

Lab File: BF094736.D

Acq: 1 May 2017 2:25

Instrument :

BNA_F

ClientSampleId :

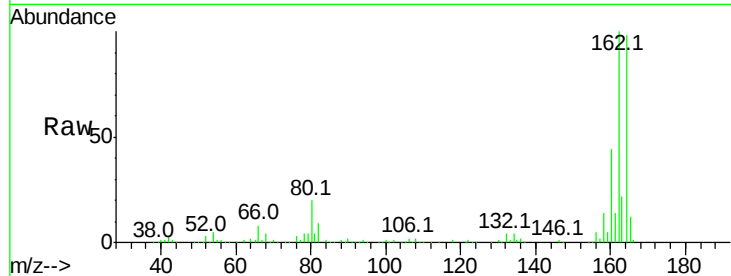
Tot Ion:165 Resp: 26016

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

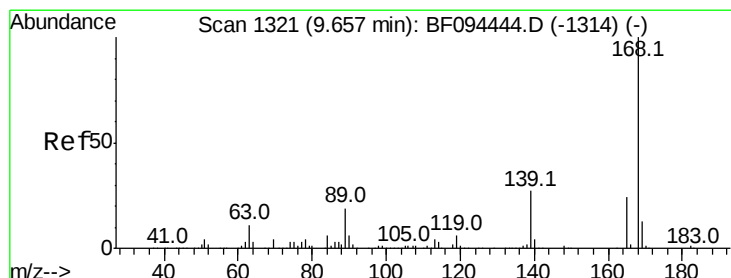
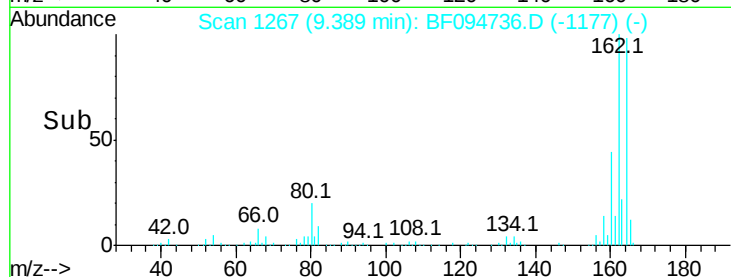
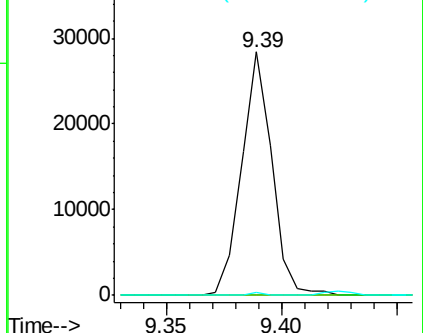
89 1.2 37.1 55.7#



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



#56

2,4-Dinitrotoluene

Concen: 6.06 ng

RT: 9.39 min Scan# 1267

Delta R.T. -0.27 min

Lab File: BF094736.D

Acq: 1 May 2017 2:25

Tgt Ion:165 Resp: 26016

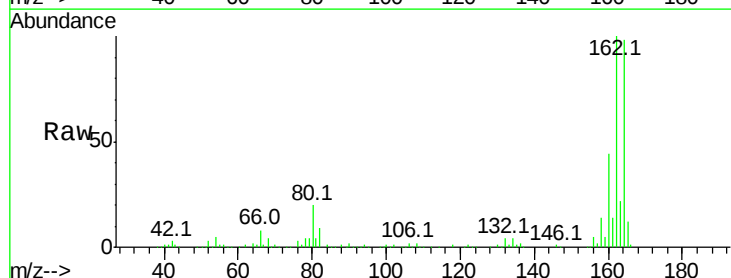
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 1.2 46.4 69.6#

182 0.0 1.8 2.6#

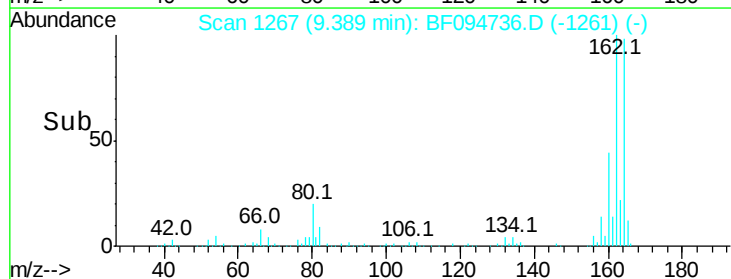
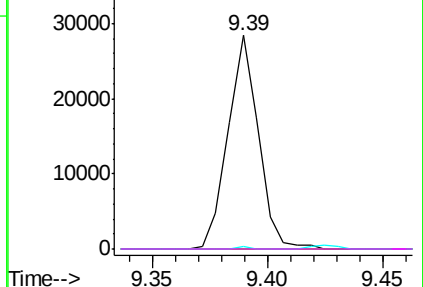


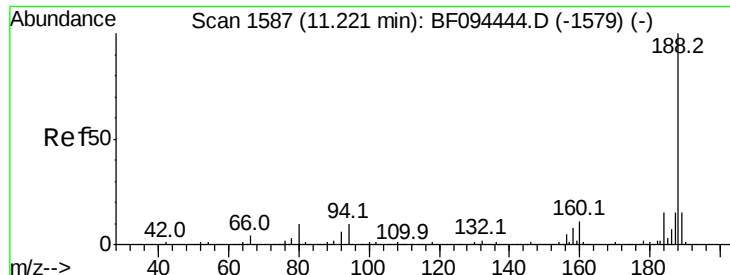
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

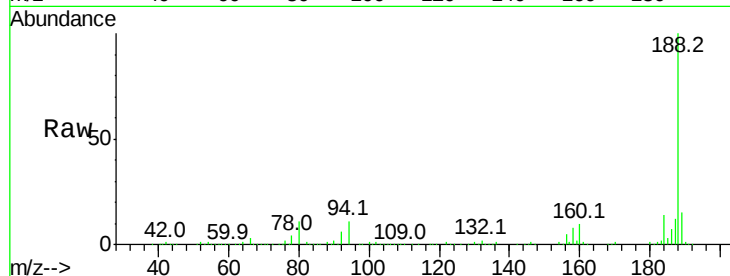




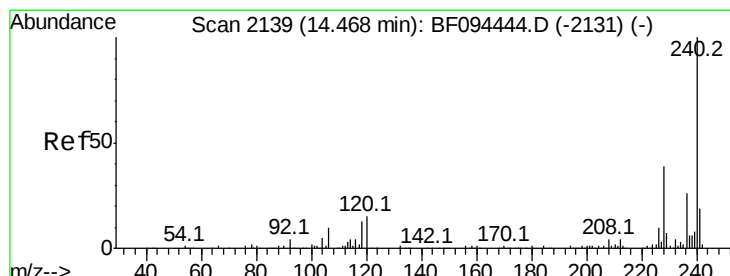
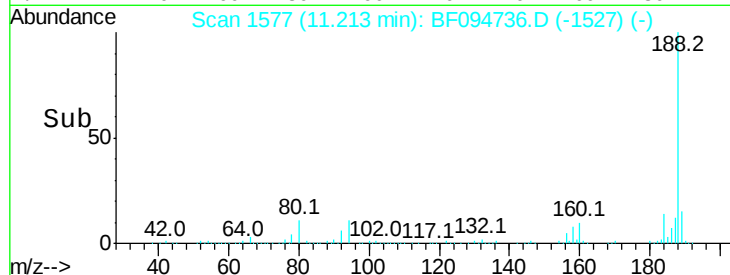
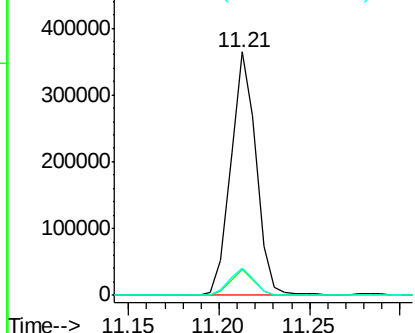
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF094736.D
Acq: 1 May 2017 2:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 353670
Ion Ratio Lower Upper
188 100
94 10.5 9.4 14.2
80 11.1 10.2 15.2

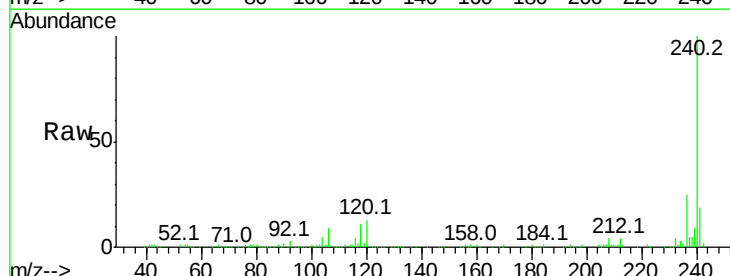


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

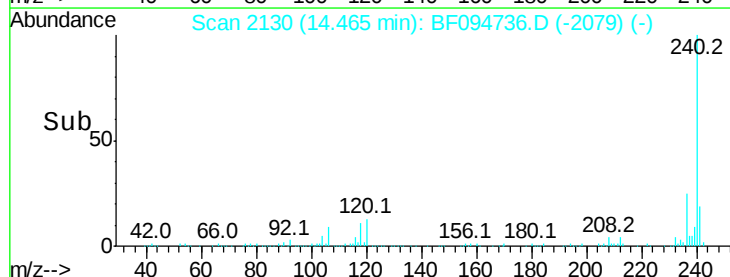
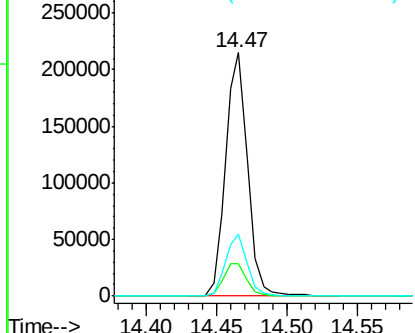


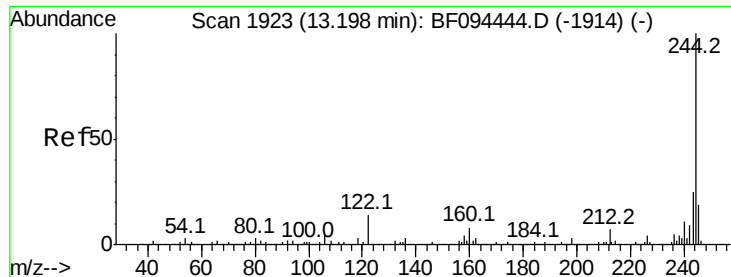
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.47 min Scan# 2130
Delta R.T. -0.00 min
Lab File: BF094736.D
Acq: 1 May 2017 2:25

Tgt Ion:240 Resp: 232269
Ion Ratio Lower Upper
240 100
120 13.3 5.8 8.8#
236 25.5 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

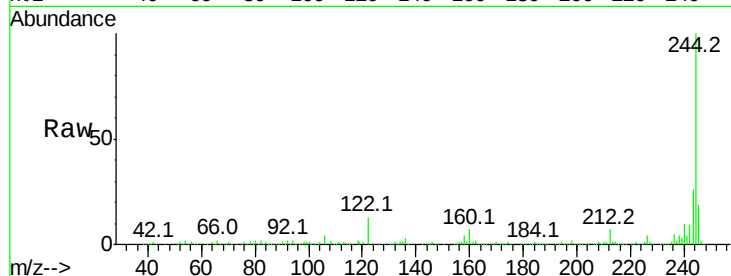




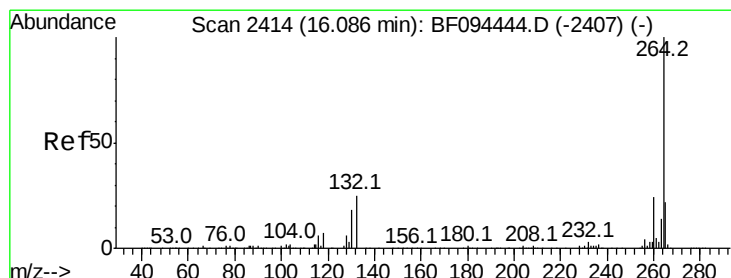
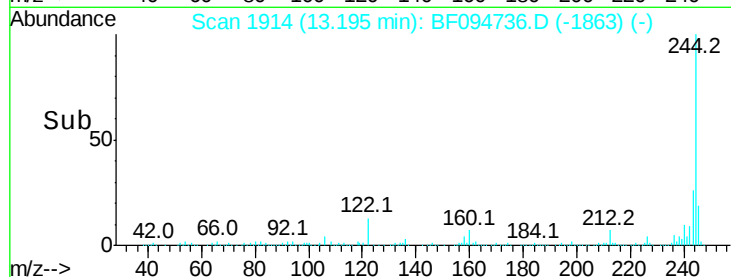
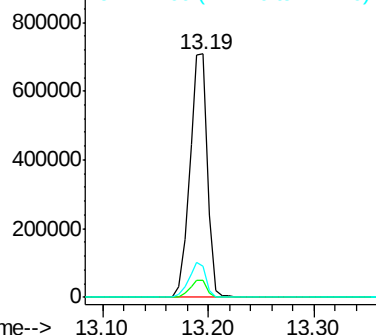
#78
 Terphenyl-d14
 Concen: 95.16 ng
 RT: 13.19 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: BF094736.D
 Acq: 1 May 2017 2:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 826930
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 12.6 10.3 15.5

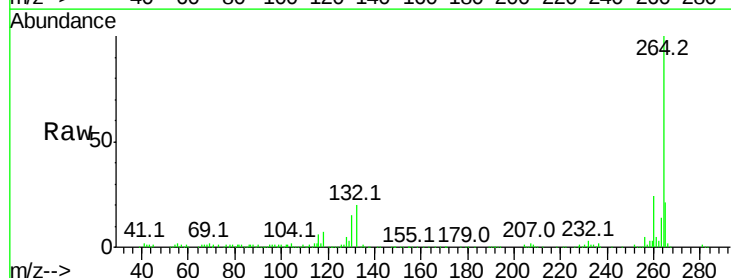


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.09 min Scan# 2407
 Delta R.T. 0.01 min
 Lab File: BF094736.D
 Acq: 1 May 2017 2:25

Tgt Ion:264 Resp: 197678
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.5 29.3
 265 21.0 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

