

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096261.D
 Acq On : 28 Jun 2017 20:42
 Operator : SJ/MA
 Sample : I3852-14 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 29 01:37:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

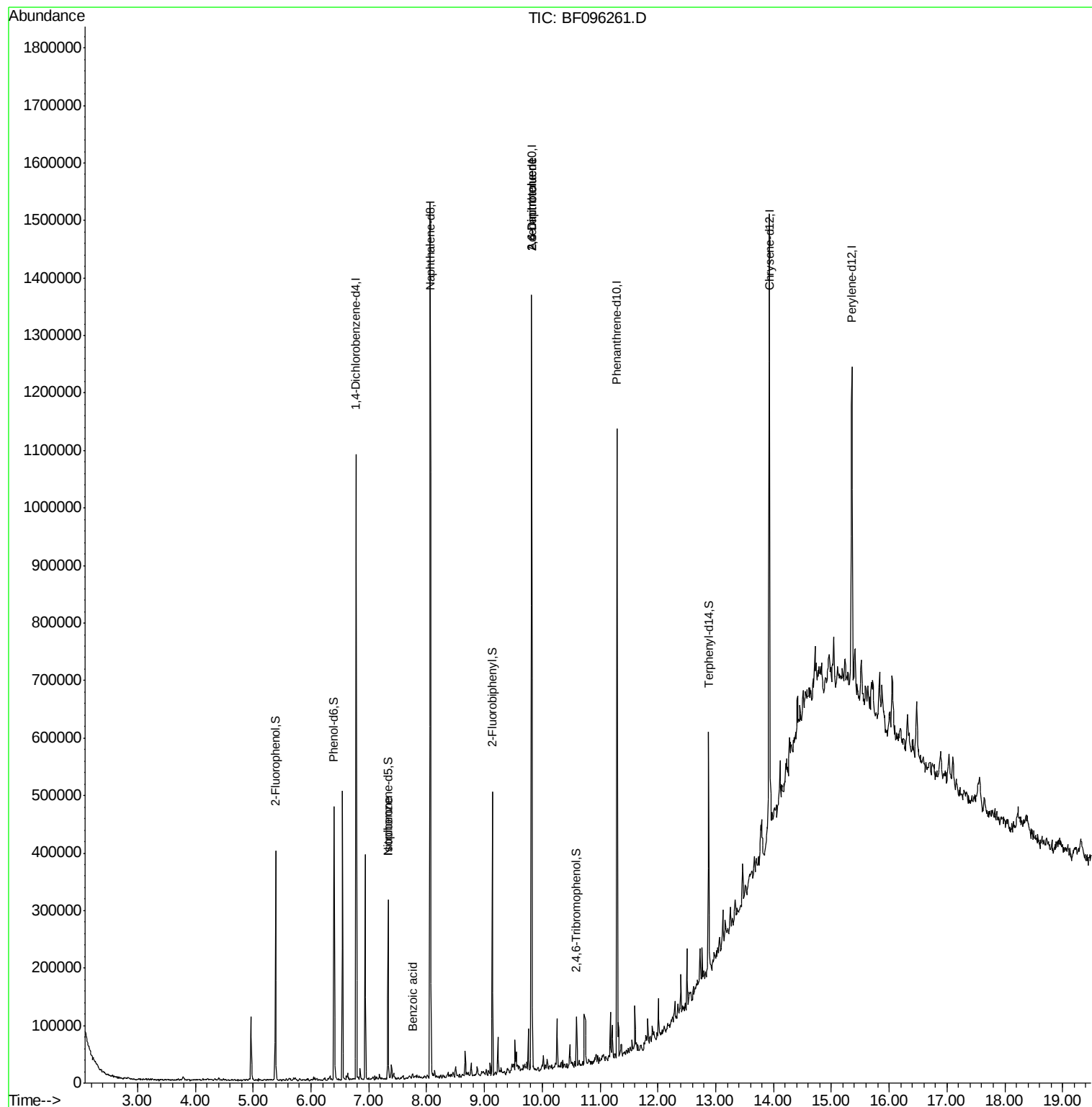
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	148553	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	588238	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	228964	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	377891	20.00	ng	0.00
75) Chrysene-d12	13.93	240	352940	20.00	ng	0.01
86) Perylene-d12	15.36	264	257943	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	97051	9.41	ng	0.00
7) Phenol-d6	6.40	99	149388	11.96	ng	0.01
23) Nitrobenzene-d5	7.33	82	75448	8.88	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	7789	4.32	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	140298	11.22	ng	-0.01
78) Terphenyl-d14	12.87	244	114205	8.07	ng	0.00
Target Compounds						
9) Benzaldehyde	6.55	77	2243	Below Cal	Qvalue	
25) Isophorone	7.33	82	75446	3.91 ng	#	67
32) Benzoic acid	7.77	122	106	8.80 ng	#	1
50) 2,6-Dinitrotoluene	9.82	165	29747	8.73 ng	#	33
56) 2,4-Dinitrotoluene	9.82	165	29747	6.92 ng	#	33
57) Fluorene	10.36	166	2029	Below Cal	#	89
70) Phenanthrene	11.32	178	19086	Below Cal		97

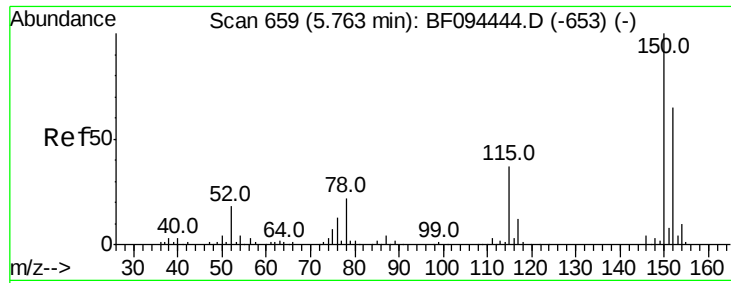
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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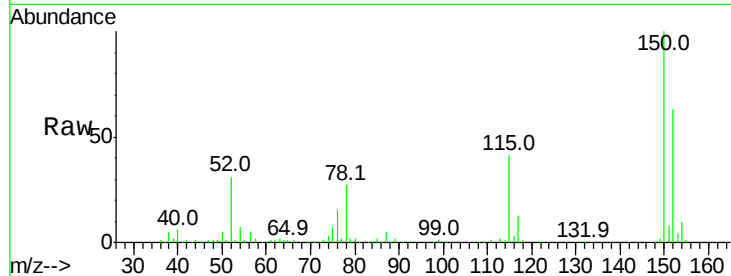


#1

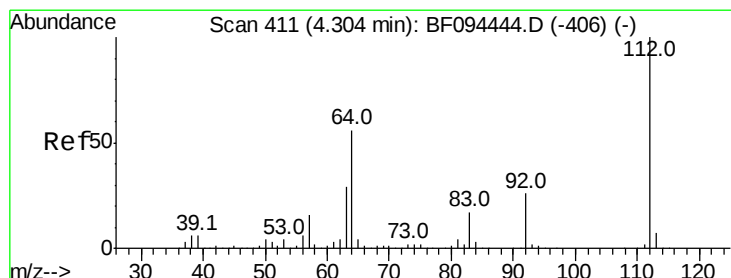
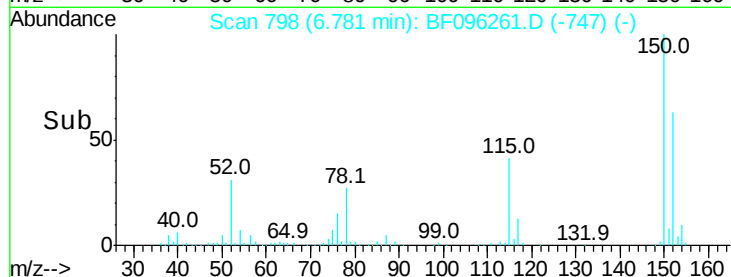
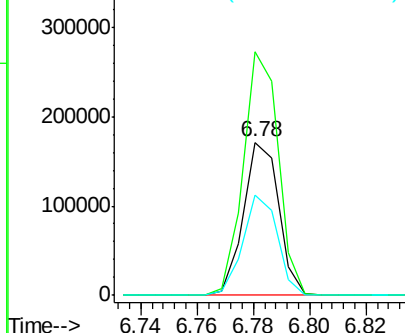
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF096261.D
Acq: 28 Jun 2017 20:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 148553
Ion Ratio Lower Upper
152 100
150 159.2 126.2 189.2
115 66.0 52.2 78.2



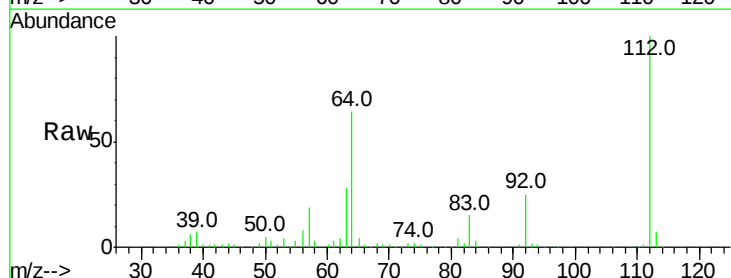
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



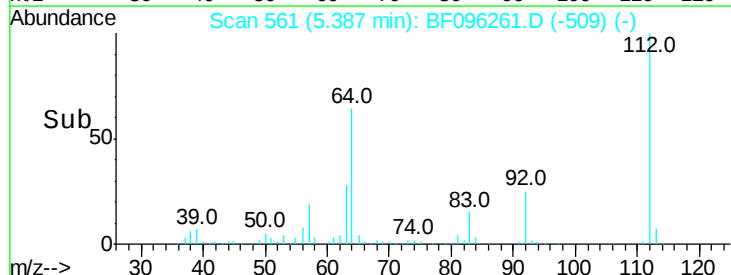
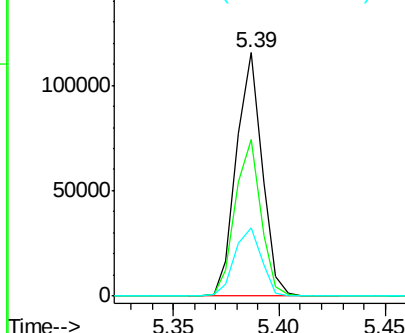
#5

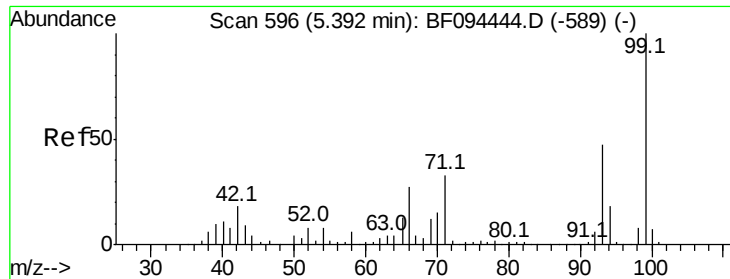
2-Fluorophenol
Concen: 9.41 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF096261.D
Acq: 28 Jun 2017 20:42

Tgt Ion:112 Resp: 97051
Ion Ratio Lower Upper
112 100
64 64.2 46.0 69.0
63 28.1 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: 11.96 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096261.D

Acq: 28 Jun 2017 20:42

Instrument :

BNA_F

ClientSampleId :

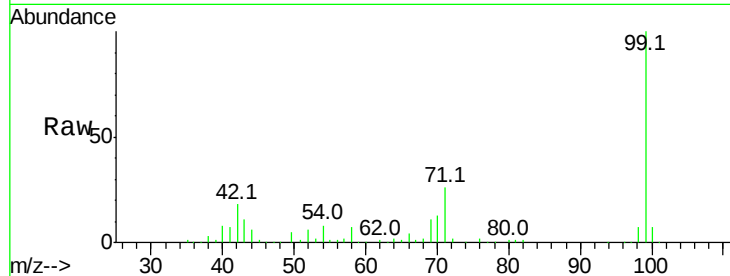
Tot Ion: 99 Resp: 149388

Ion Ratio Lower Upper

99 100

42 17.7 13.5 20.3

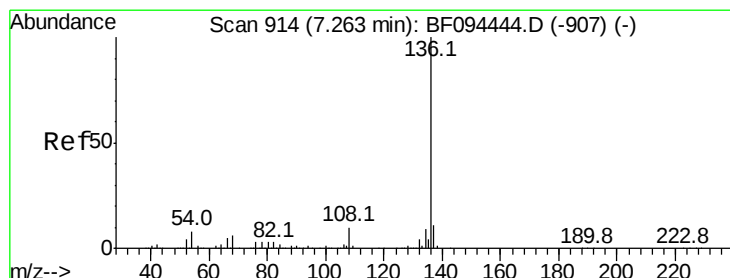
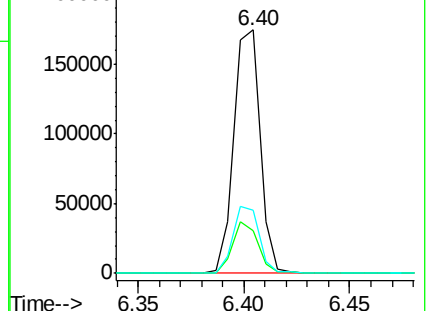
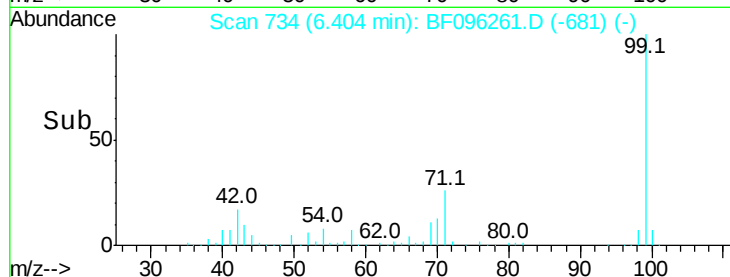
71 26.0 24.5 36.7



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: 8.06 min Scan# 1016

Delta R.T. 0.01 min

Lab File: BF096261.D

Acq: 28 Jun 2017 20:42

Tgt Ion: 136 Resp: 588238

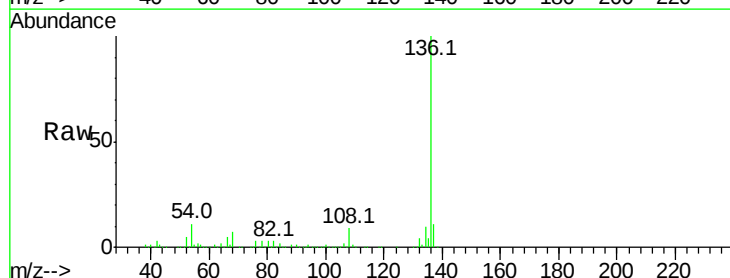
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 11.1 4.9 7.3#

68 7.0 4.1 6.1#

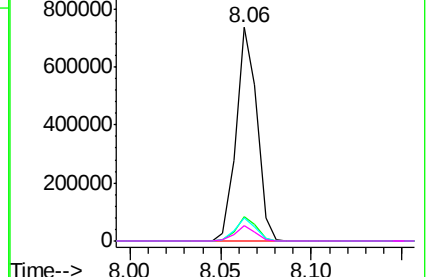
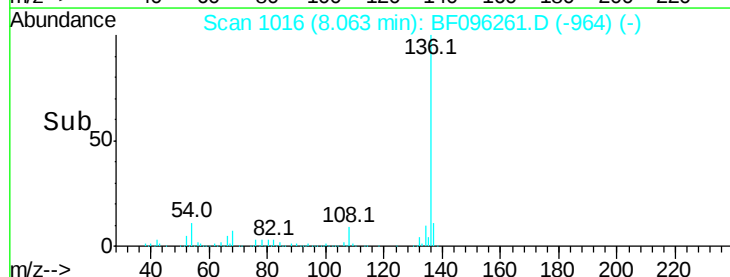


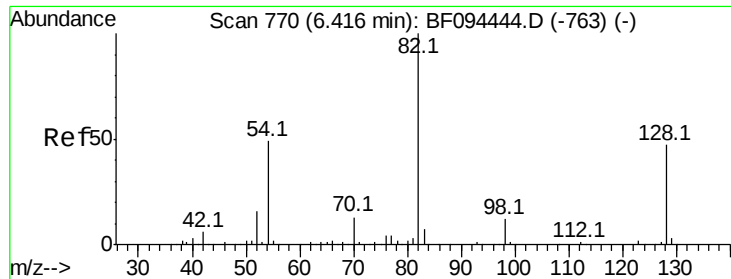
Abundance Ion 136.00 (135.70 to 136.70): E

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

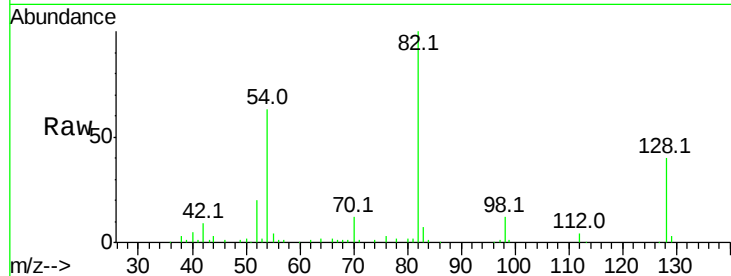




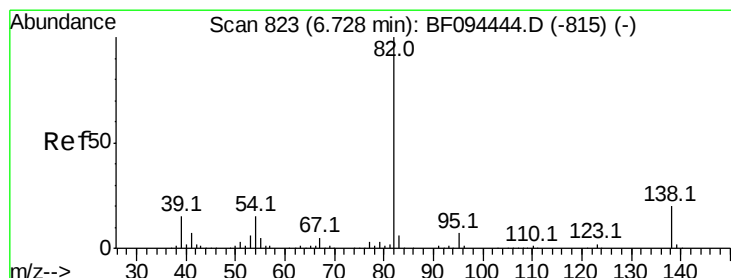
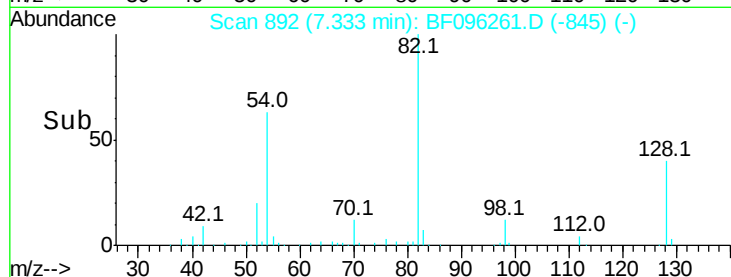
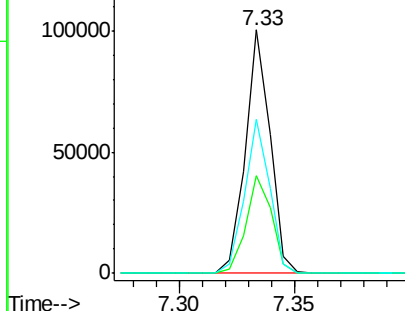
#23
Nitrobenzene-d5
Concen: 8.88 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.02 min
Lab File: BF096261.D
Acq: 28 Jun 2017 20:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	75448
Ion Ratio	Lower	Upper	
82	100		
128	40.3	34.0	51.0
54	63.2	42.2	63.2

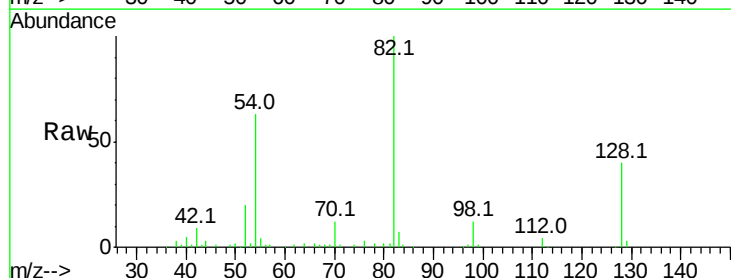


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

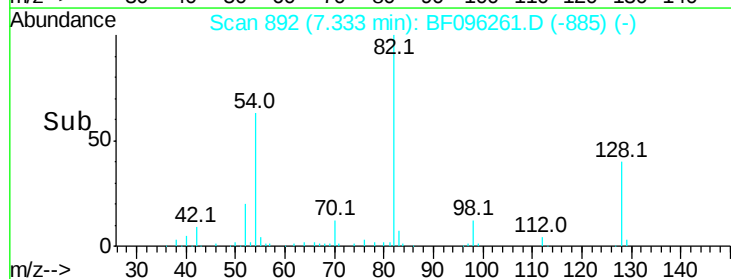
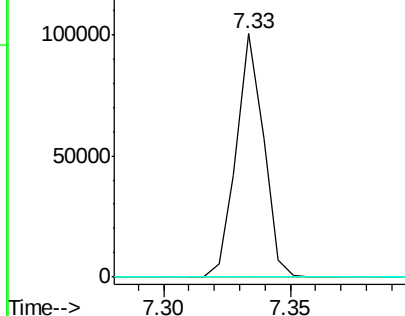


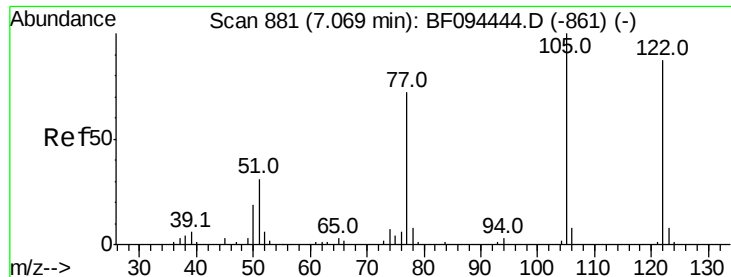
#25
Isophorone
Concen: 3.91 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.26 min
Lab File: BF096261.D
Acq: 28 Jun 2017 20:42

Tgt Ion	82	Resp	75446
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

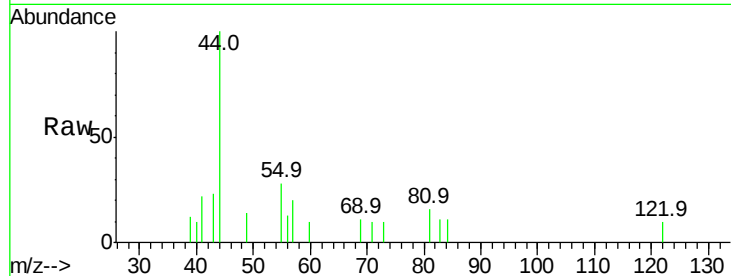




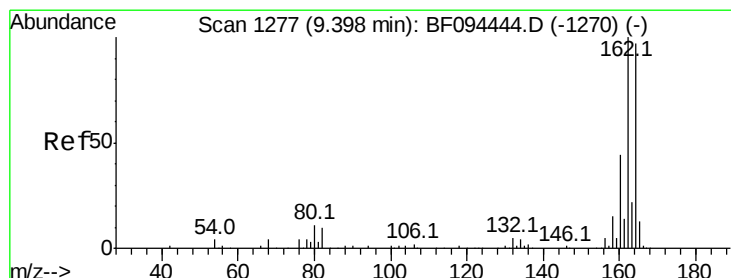
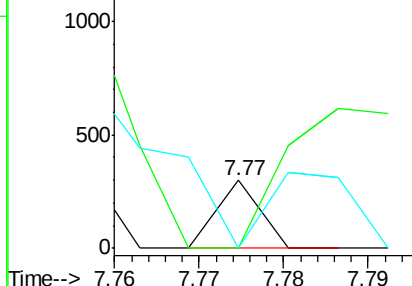
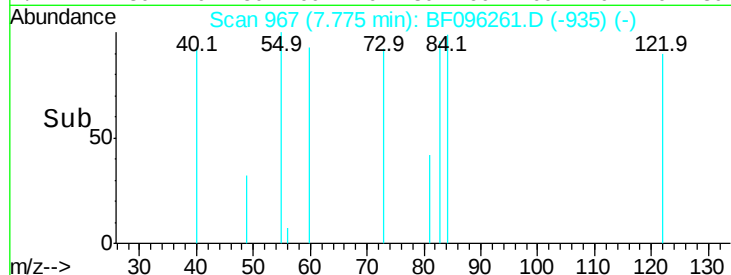
#32
Benzoic acid
Concen: 8.80 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.11 min
Lab File: BF096261.D
Acq: 28 Jun 2017 20:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 106
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 0.0 73.7 113.7#

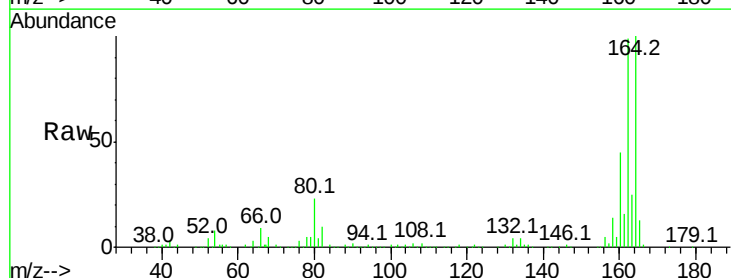


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

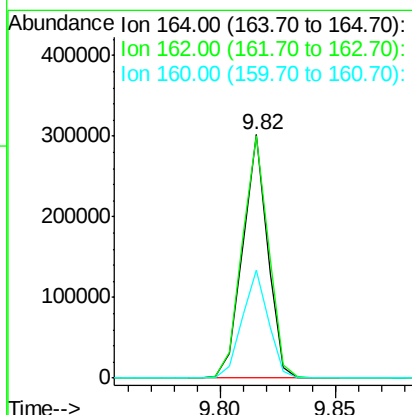
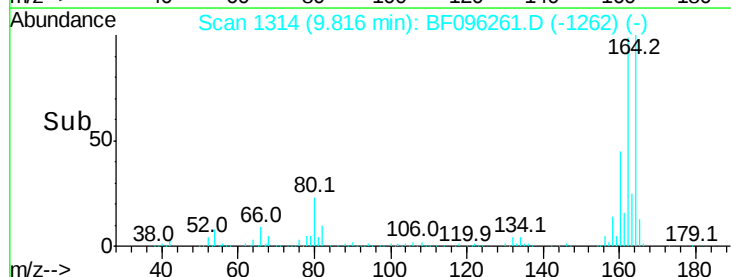


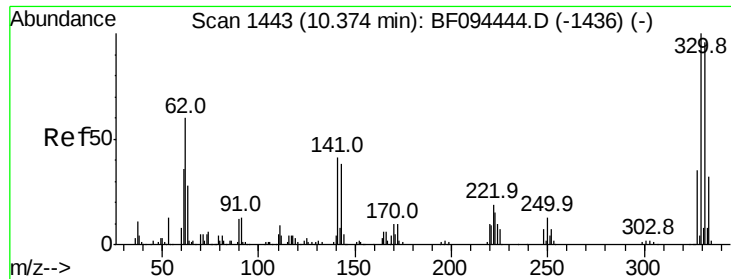
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BF096261.D
Acq: 28 Jun 2017 20:42

Tgt Ion:164 Resp: 228964
Ion Ratio Lower Upper
164 100
162 99.4 82.6 123.8
160 44.6 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

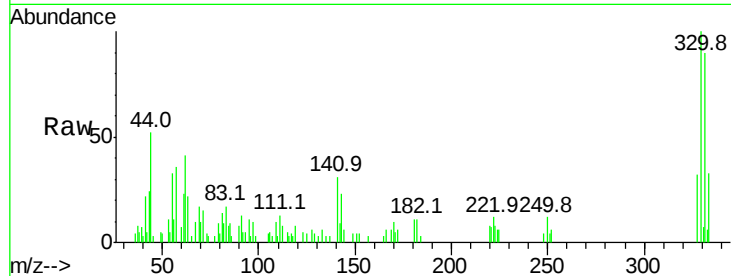




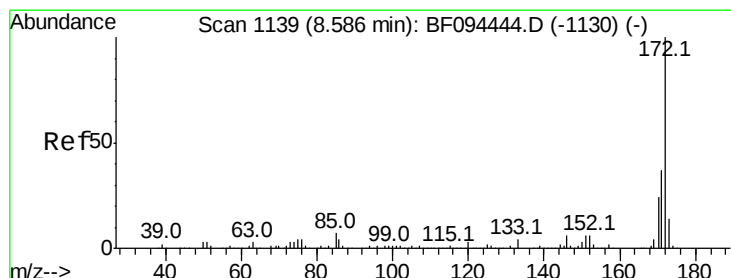
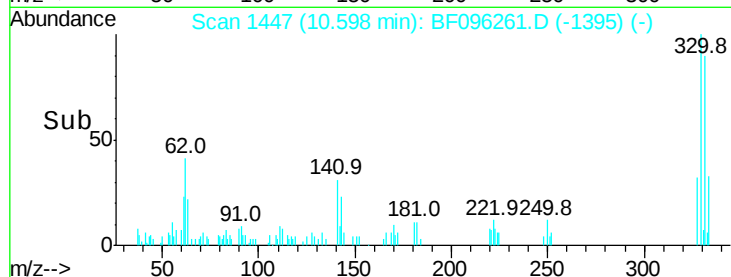
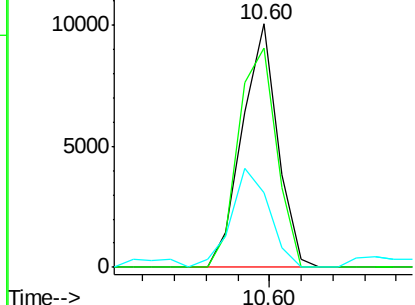
#41
 2,4,6-Tribromophenol
 Concen: 4.32 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. 0.01 min
 Lab File: BF096261.D
 Acq: 28 Jun 2017 20:42

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 7789
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 115.0
 141 43.8 31.4 47.2

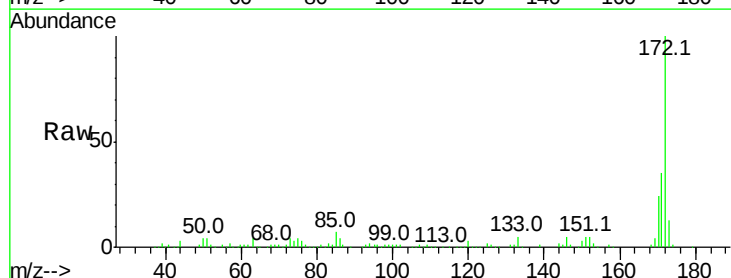


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

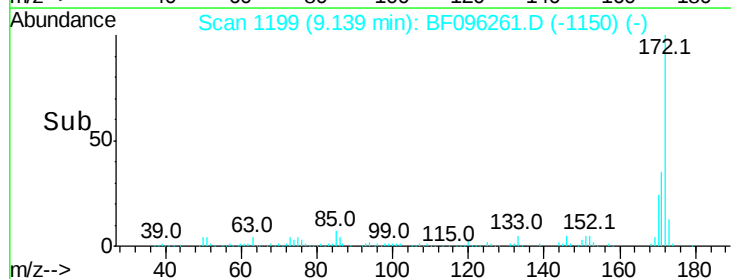
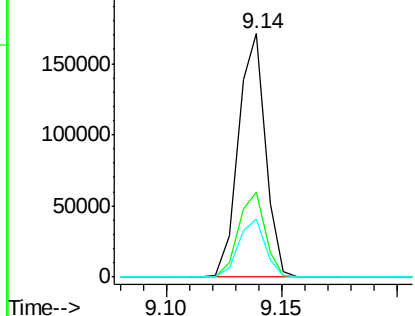


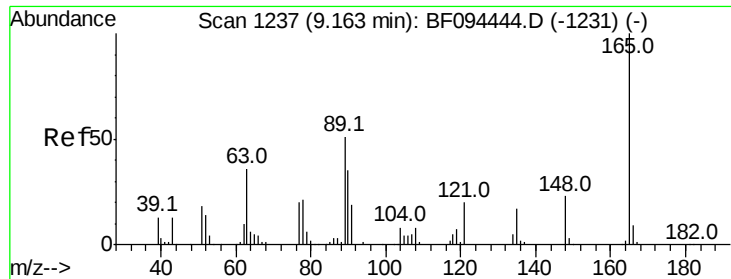
#44
 2-Fluorobiphenyl
 Concen: 11.22 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF096261.D
 Acq: 28 Jun 2017 20:42

Tgt Ion:172 Resp: 140298
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.6 44.4
 170 23.7 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

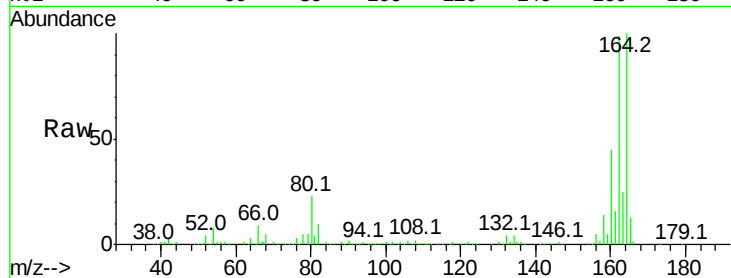




#50
 2,6-Dinitrotoluene
 Concen: 8.73 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.21 min
 Lab File: BF096261.D
 Acq: 28 Jun 2017 20:42

Instrument :
 BNA_F
 ClientSampleId :

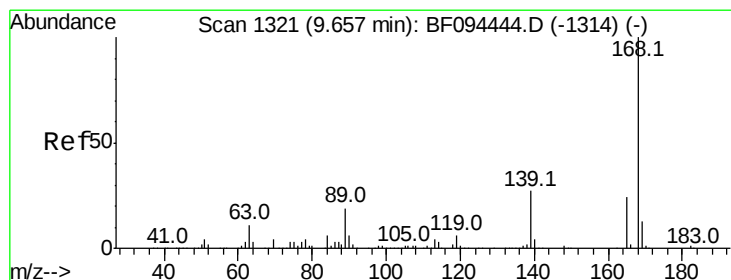
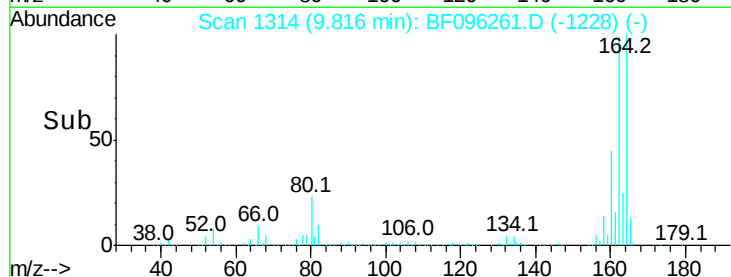
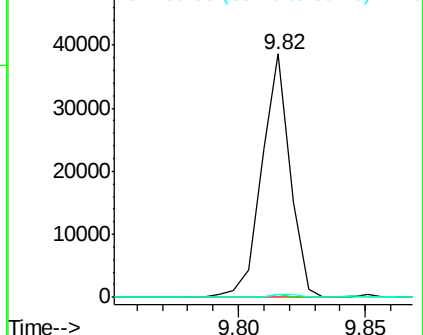
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	34.3	51.5#
89	1.1	37.1	55.7#



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: 6.92 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.19 min
 Lab File: BF096261.D
 Acq: 28 Jun 2017 20:42

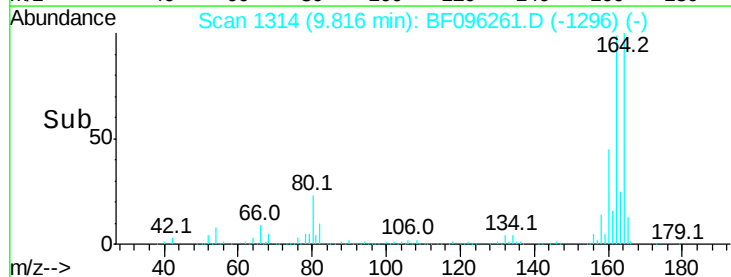
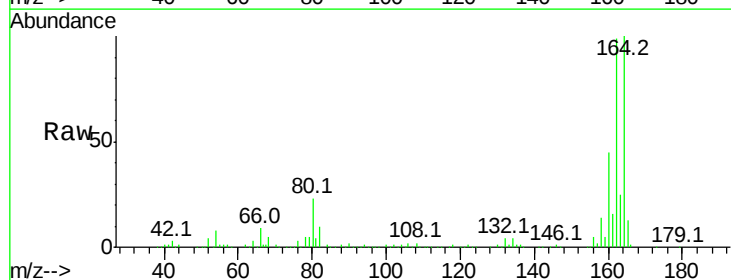
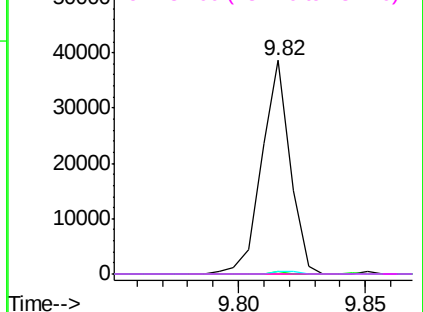
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	1.1	46.4	69.6#
182	0.0	1.8	2.6#

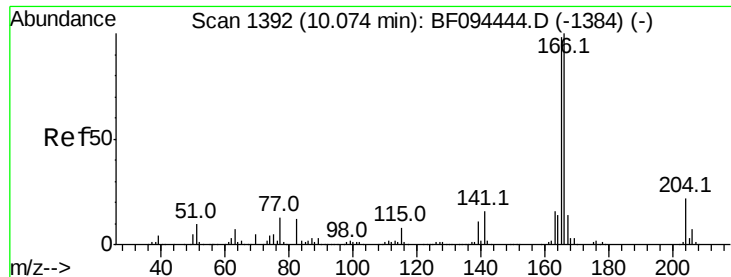
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: Below Cal

RT: 10.36 min Scan# 1407

Delta R.T. -0.01 min

Lab File: BF096261.D

Acq: 28 Jun 2017 20:42

Instrument :

BNA_F

ClientSampleId :

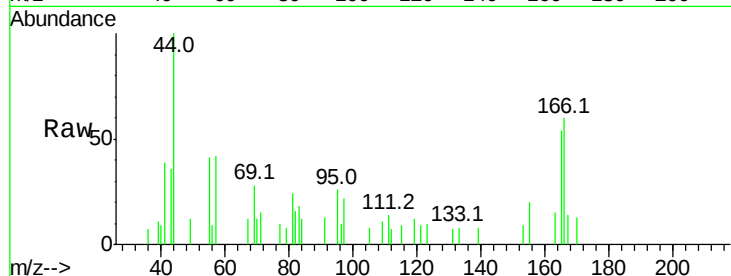
Tot Ion:166 Resp: 2029

Ion Ratio Lower Upper

166 100

165 88.8 78.8 118.2

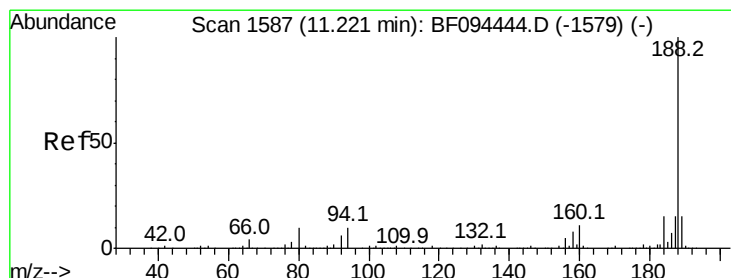
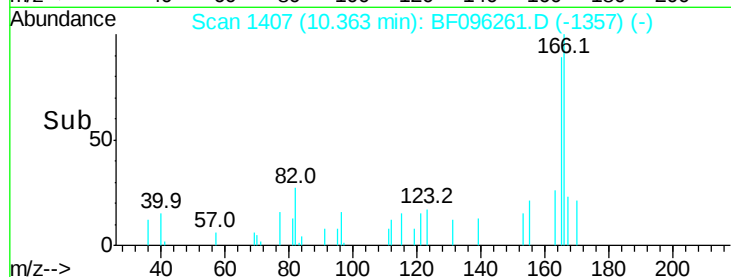
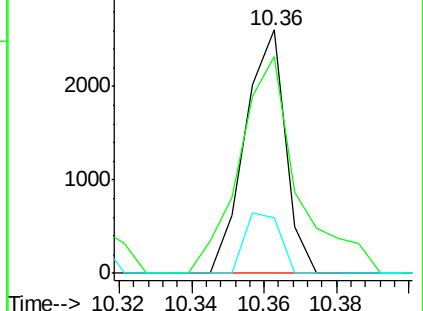
167 22.6 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 1565

Delta R.T. 0.01 min

Lab File: BF096261.D

Acq: 28 Jun 2017 20:42

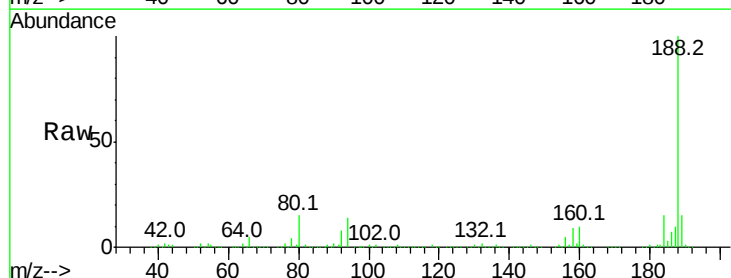
Tgt Ion:188 Resp: 377891

Ion Ratio Lower Upper

188 100

94 14.3 9.4 14.2#

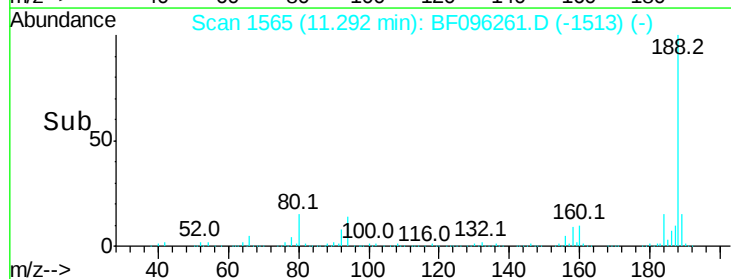
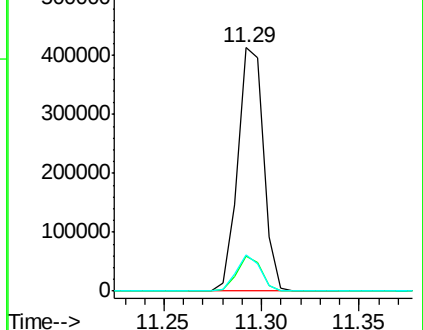
80 14.9 10.2 15.2

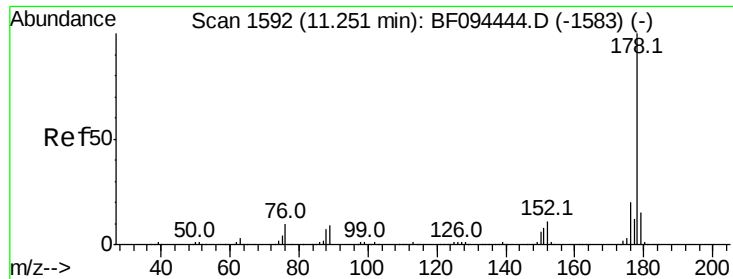


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: Below Cal

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF096261.D

Acq: 28 Jun 2017 20:42

Instrument :

BNA_F

ClientSampleId :

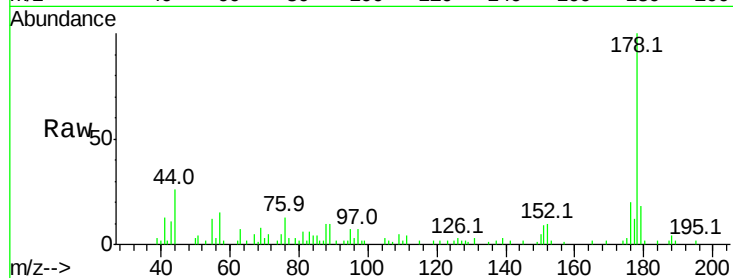
Tot Ion:178 Resp: 19086

Ion Ratio Lower Upper

178 100

176 19.8 16.2 24.4

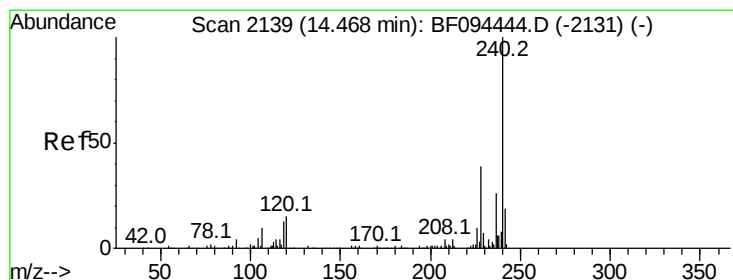
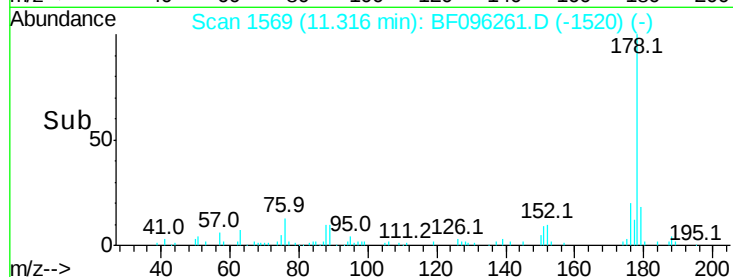
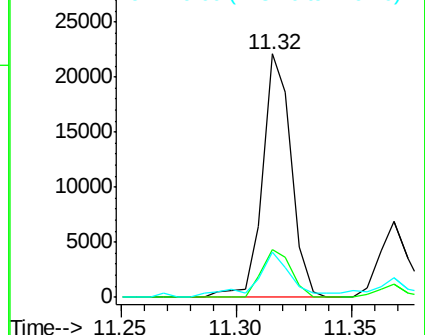
179 18.5 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF096261.D

Acq: 28 Jun 2017 20:42

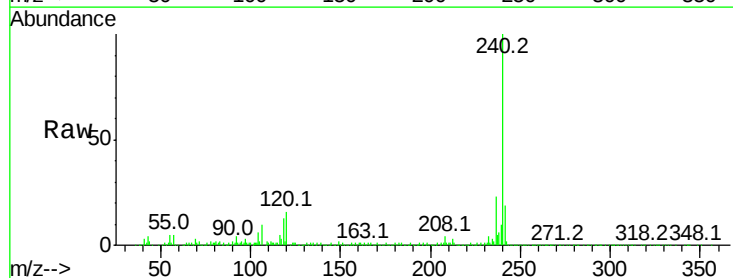
Tgt Ion:240 Resp: 352940

Ion Ratio Lower Upper

240 100

120 15.6 5.8 8.8#

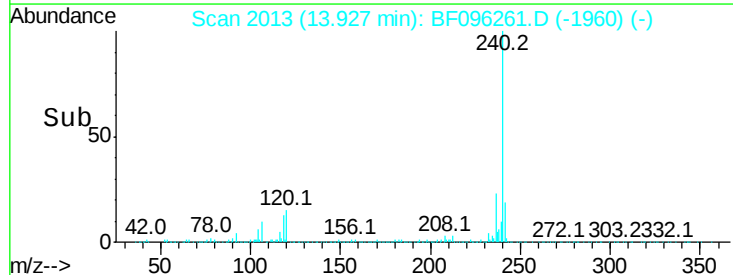
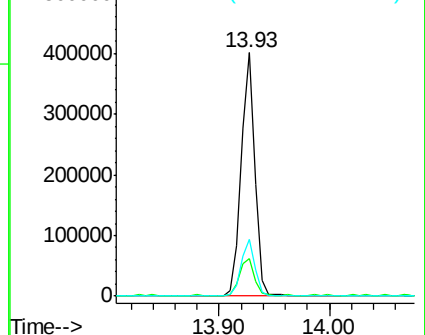
236 23.4 20.5 30.7

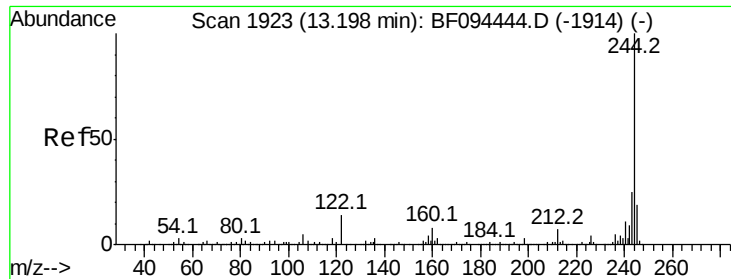


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

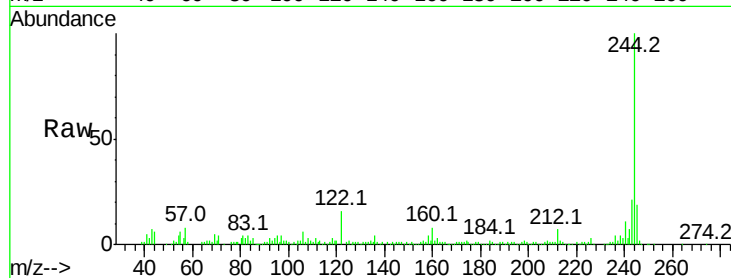




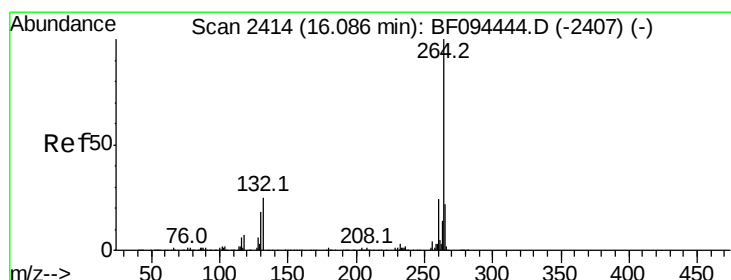
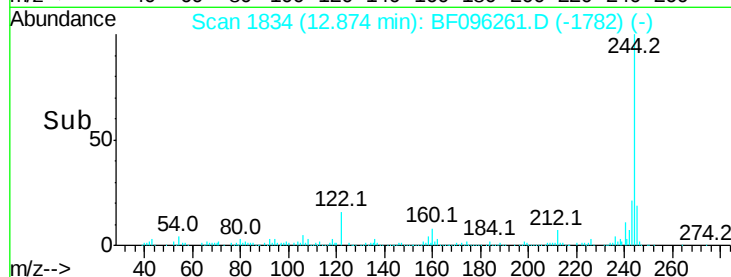
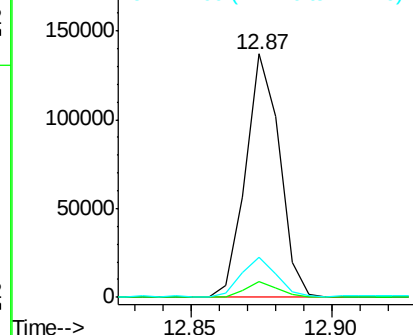
#78
 Terphenyl-d14
 Concen: 8.07 ng
 RT: 12.87 min Scan# 1834
 Delta R.T. 0.01 min
 Lab File: BF096261.D
 Acq: 28 Jun 2017 20:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 114205
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 16.4 10.3 15.5#

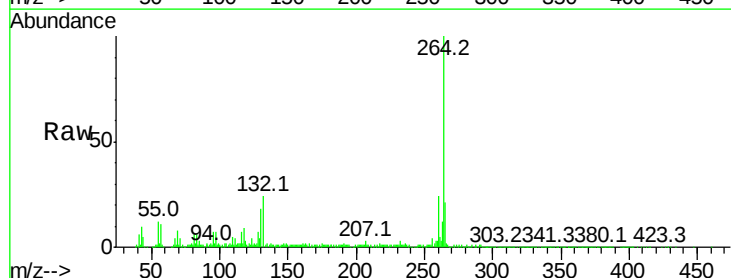


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 2256
 Delta R.T. 0.02 min
 Lab File: BF096261.D
 Acq: 28 Jun 2017 20:42

Tgt Ion:264 Resp: 257943
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.5 29.3
 265 21.2 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

