

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062717\
 Data File : BF096231.D
 Acq On : 27 Jun 2017 22:12
 Operator : SJ/MA
 Sample : I3851-01RE 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 28 04:09:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\Methods\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 27 15:17:15 2017
 Response via : Initial Calibration

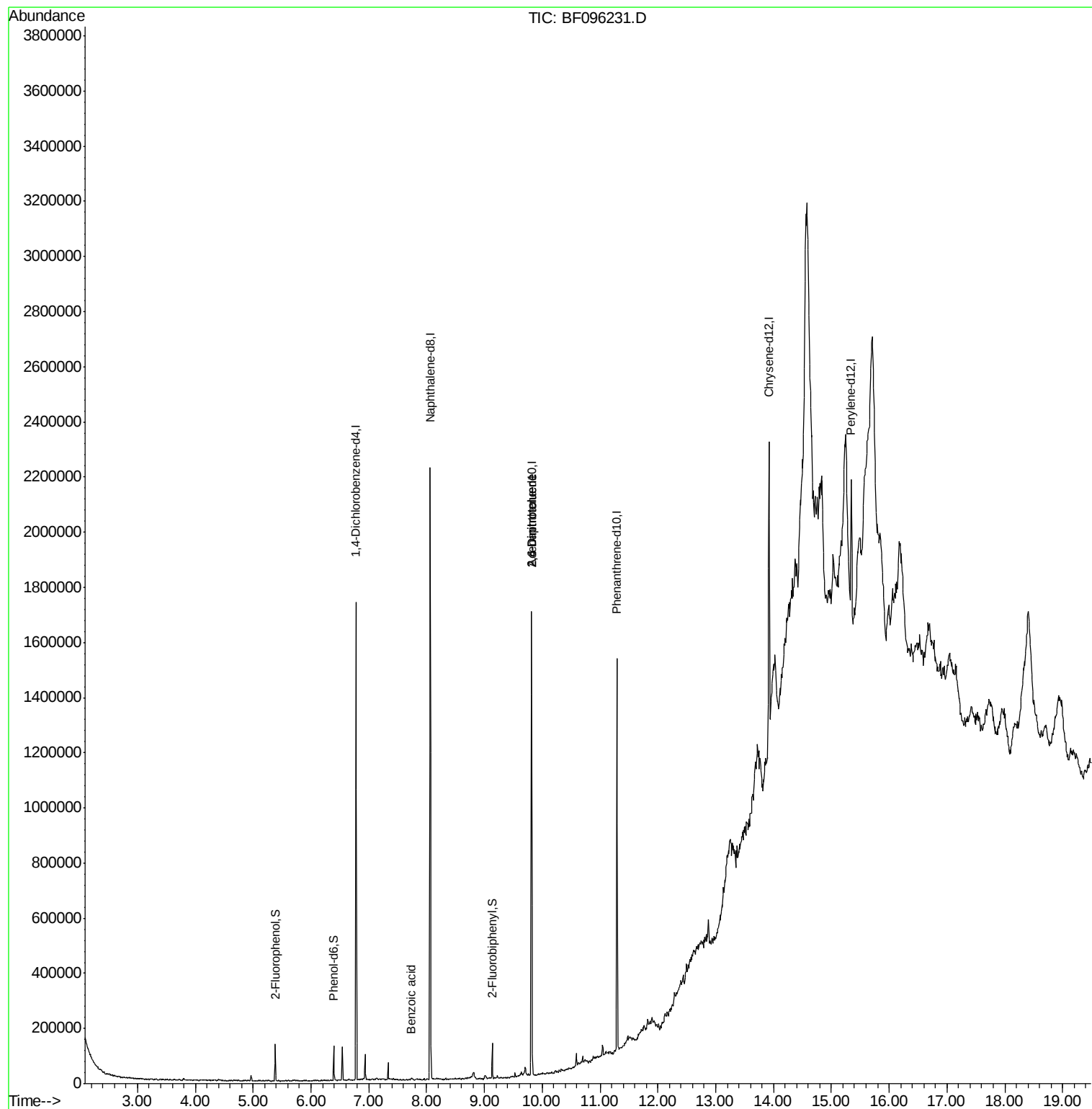
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	224237	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	872761	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	307189	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	445104	20.00	ng	0.00
75) Chrysene-d12	13.92	240	397868	20.00	ng	0.00
86) Perylene-d12	15.34	264	282285	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	32271	2.07	ng	0.00
7) Phenol-d6	6.39	99	37878	2.01	ng	0.00
23) Nitrobenzene-d5	7.33	82	16404	1.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	3899	1.61	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	34435	2.05	ng	-0.02
78) Terphenyl-d14	12.87	244	20745	1.30	ng	0.00
Target Compounds						
9) Benzaldehyde	6.33	77	114	Below Cal	#	1
32) Benzoic acid	7.73	122	1806	8.95	ng	70
50) 2,6-Dinitrotoluene	9.82	165	38817	8.49	ng	34
56) 2,4-Dinitrotoluene	9.82	165	38817	6.73	ng	33
70) Phenanthrene	11.31	178	1240	Below Cal	#	63

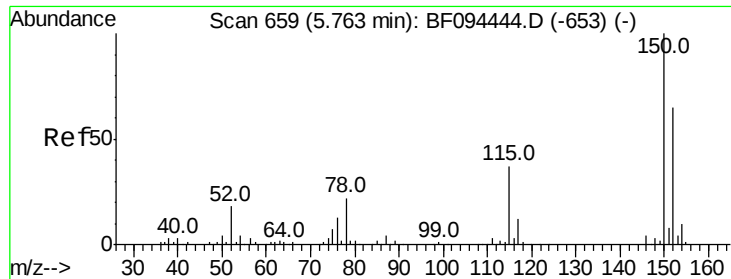
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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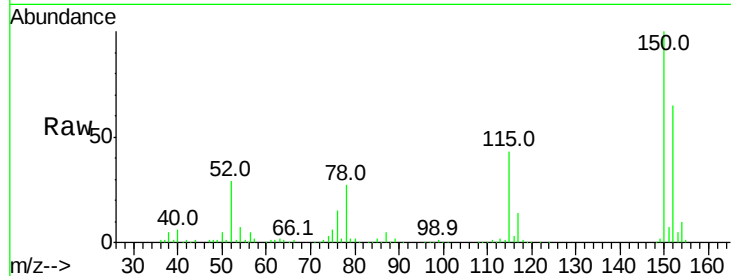


#1

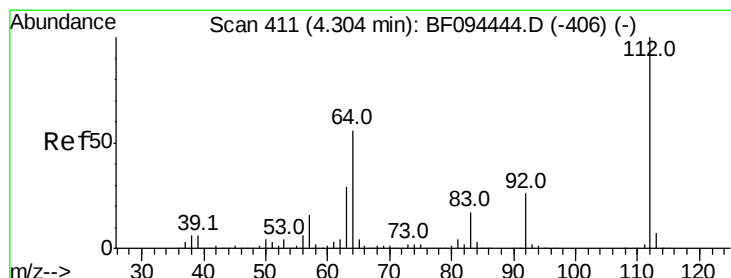
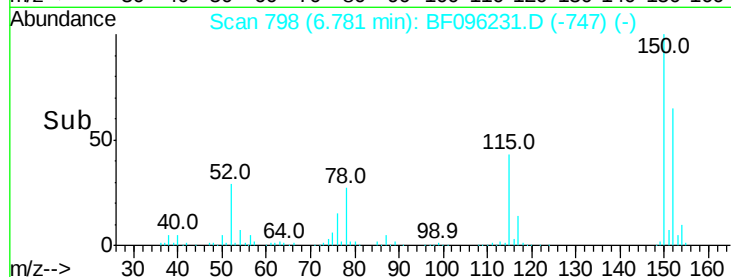
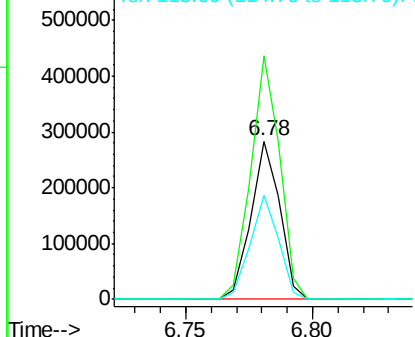
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF096231.D
Acq: 27 Jun 2017 22:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 224237
Ion Ratio Lower Upper
152 100
150 154.0 126.2 189.2
115 65.6 52.2 78.2



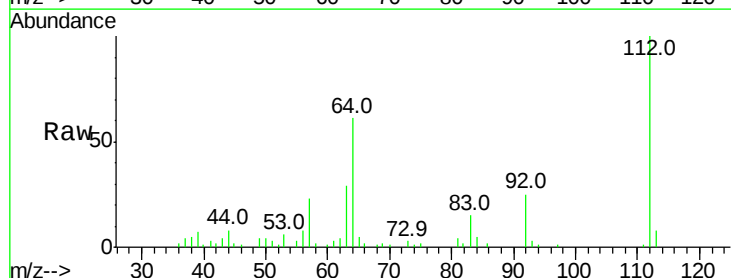
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



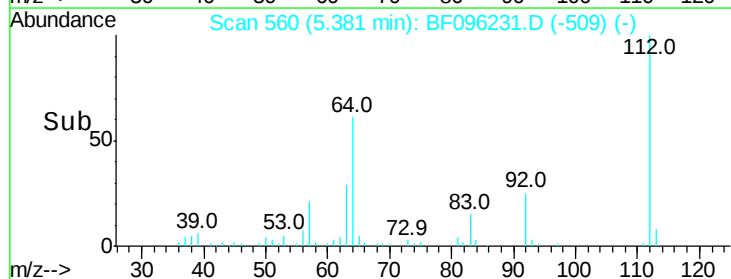
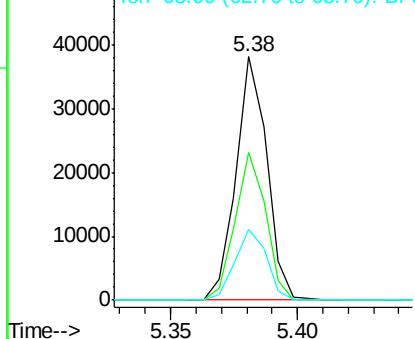
#5

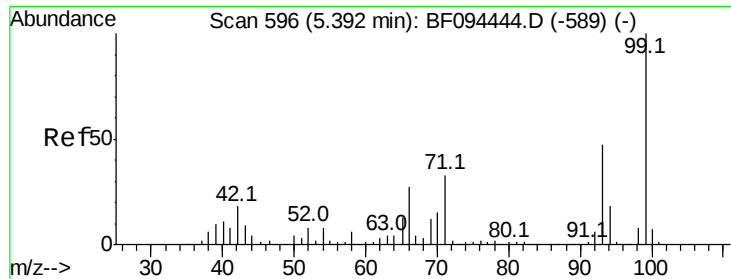
2-Fluorophenol
Concen: 2.07 ng
RT: 5.38 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF096231.D
Acq: 27 Jun 2017 22:12

Tgt Ion:112 Resp: 32271
Ion Ratio Lower Upper
112 100
64 60.8 46.0 69.0
63 28.9 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: 2.01 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF096231.D

Acq: 27 Jun 2017 22:12

Instrument :

BNA_F

ClientSampleId :

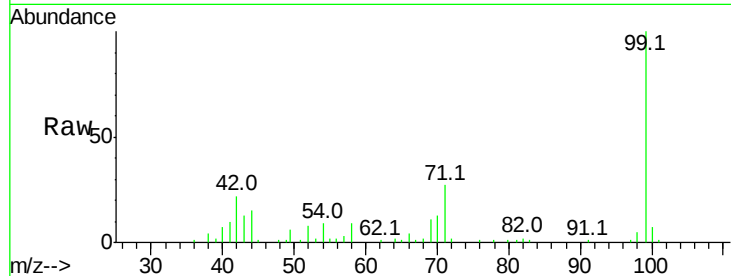
Tot Ion: 99 Resp: 37878

Ion Ratio Lower Upper

99 100

42 22.5 13.5 20.3#

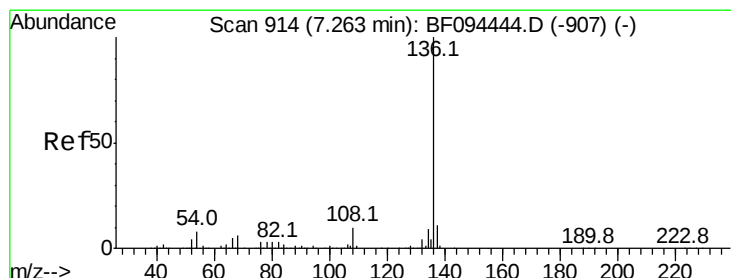
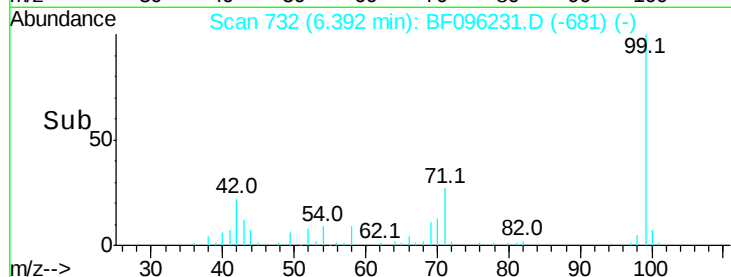
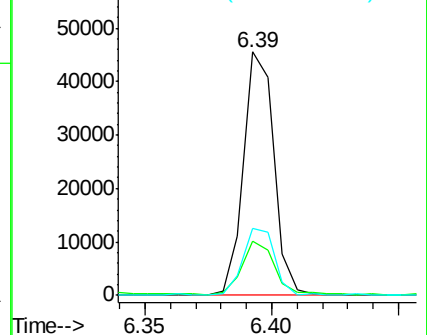
71 27.4 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1016

Delta R.T. 0.01 min

Lab File: BF096231.D

Acq: 27 Jun 2017 22:12

Tgt Ion: 136 Resp: 872761

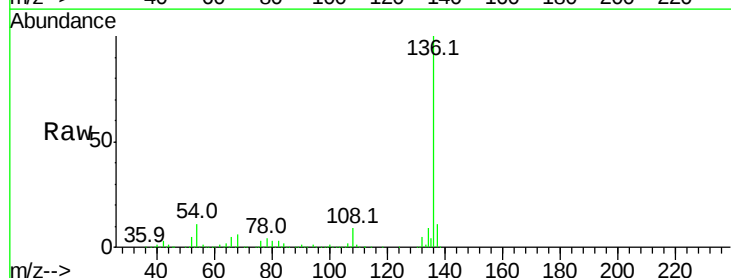
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 11.0 4.9 7.3#

68 6.4 4.1 6.1#

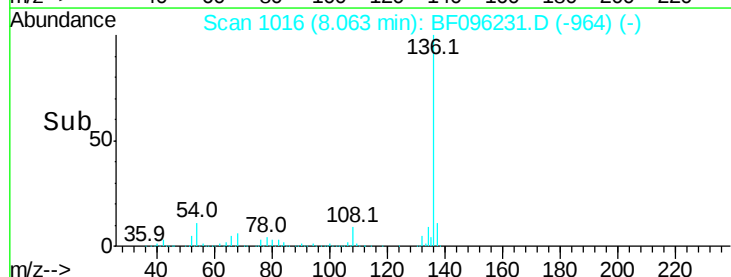
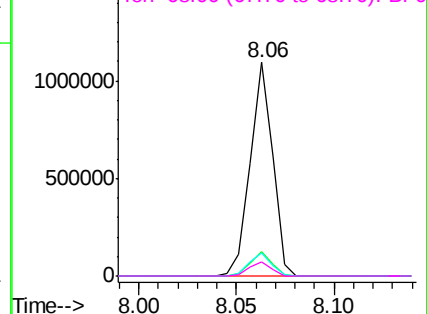


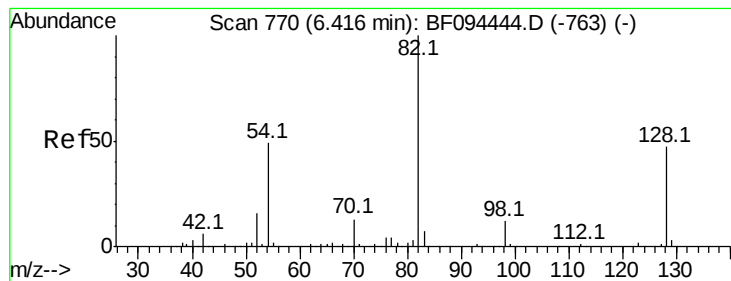
Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.30 ng

RT: 7.33 min Scan# 892

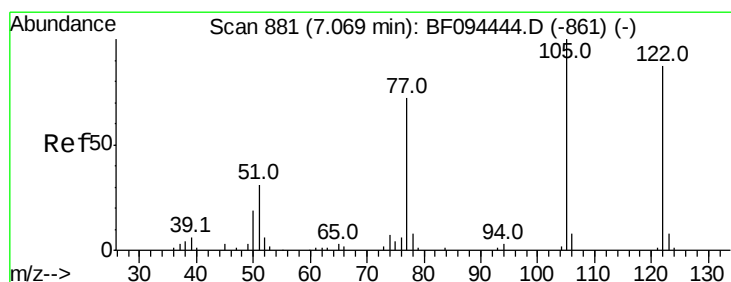
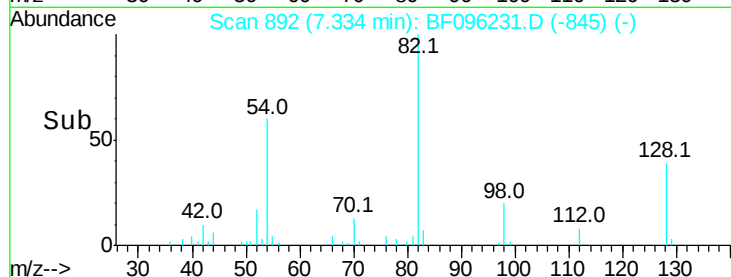
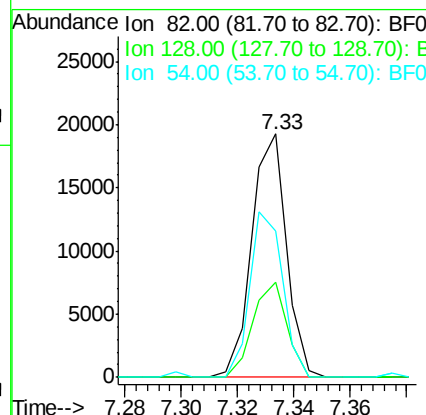
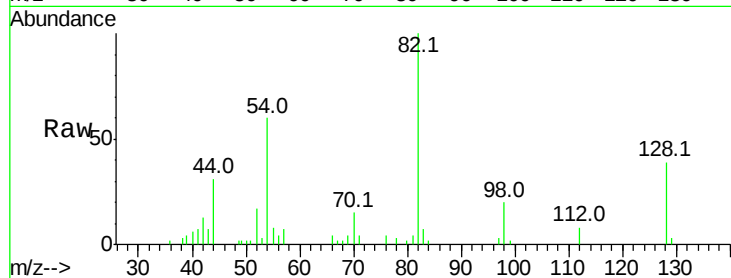
Delta R.T. -0.02 min

Lab File: BF096231.D

Acq: 27 Jun 2017 22:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	82	Resp:	16404
Ion	Ratio	Lower	Upper
82	100		
128	39.2	34.0	51.0
54	60.3	42.2	63.2



#32

Benzoic acid

Concen: 8.95 ng

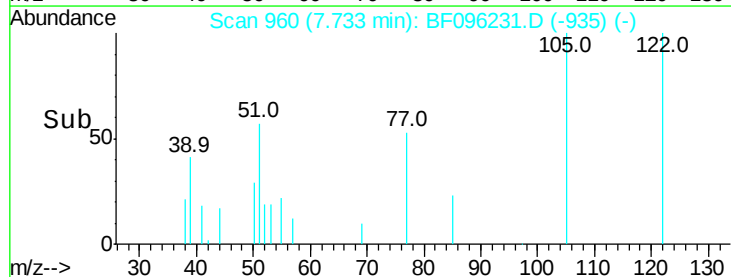
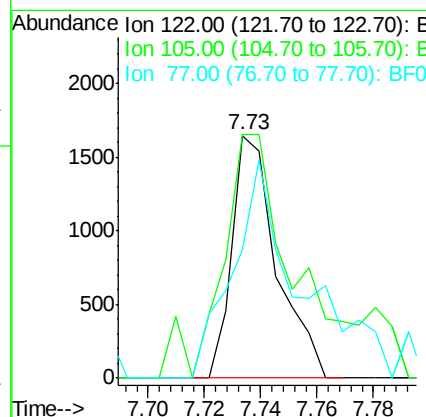
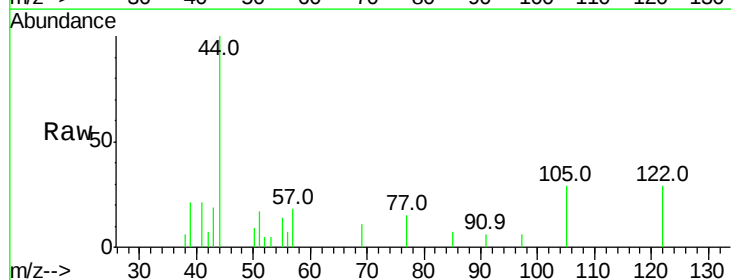
RT: 7.73 min Scan# 960

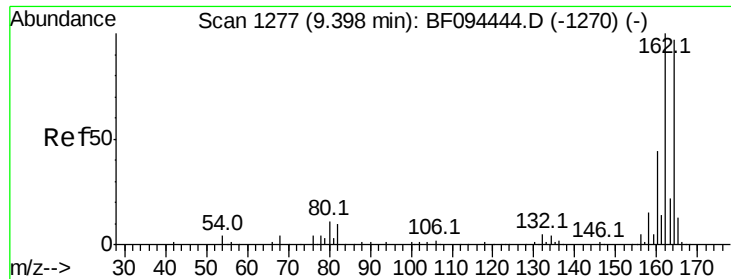
Delta R.T. -0.15 min

Lab File: BF096231.D

Acq: 27 Jun 2017 22:12

Tgt Ion:	122	Resp:	1806
Ion	Ratio	Lower	Upper
122	100		
105	100.4	103.3	143.3#
77	53.1	73.7	113.7#

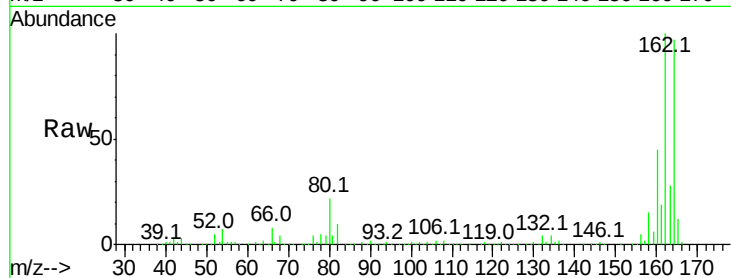




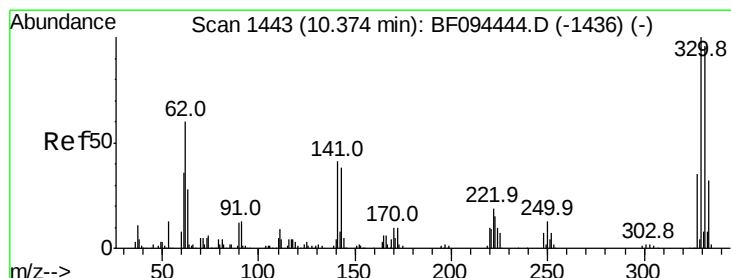
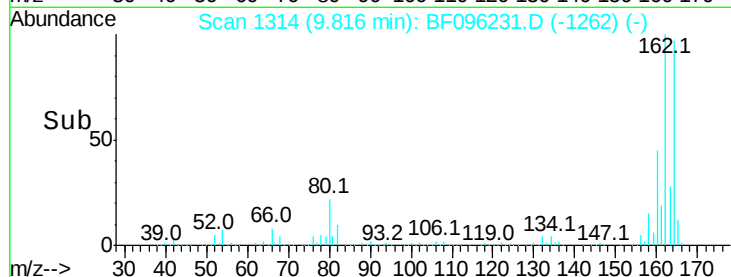
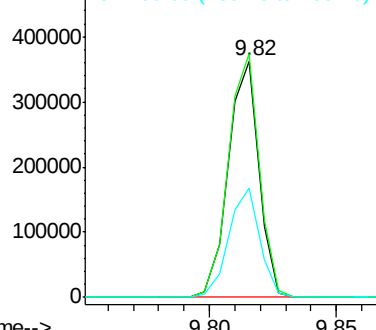
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.01 min
 Lab File: BF096231.D
 Acq: 27 Jun 2017 22:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 307189
 Ion Ratio Lower Upper
 164 100
 162 103.0 82.6 123.8
 160 45.9 36.2 54.2

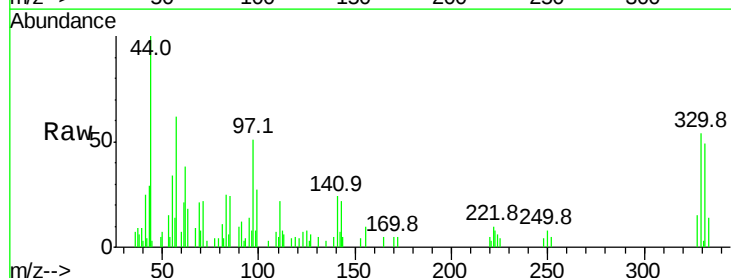


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

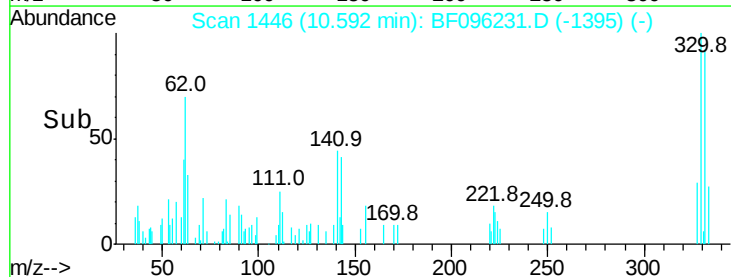
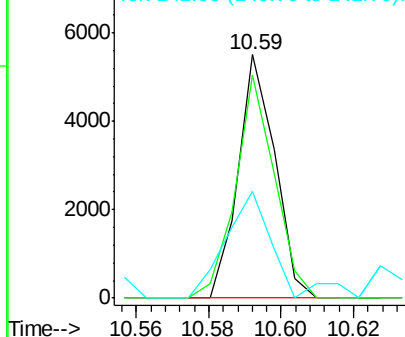


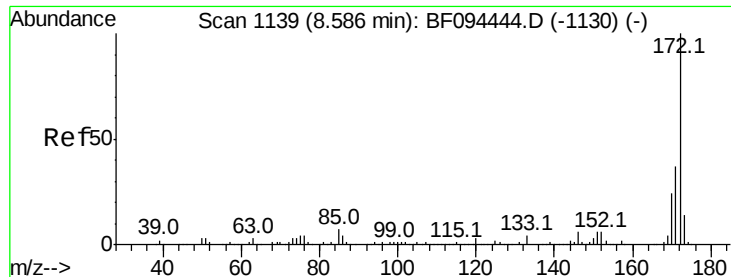
#41
 2,4,6-Tribromophenol
 Concen: 1.61 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.00 min
 Lab File: BF096231.D
 Acq: 27 Jun 2017 22:12

Tgt Ion:330 Resp: 3899
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.6 115.0
 141 58.1 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

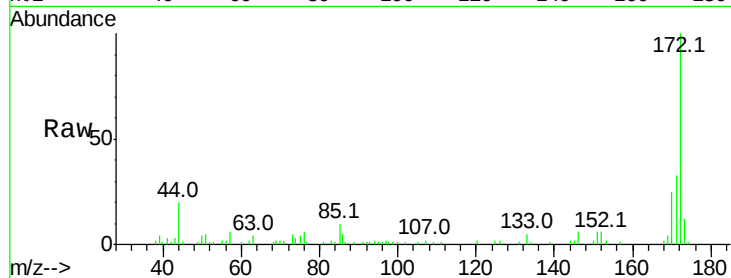




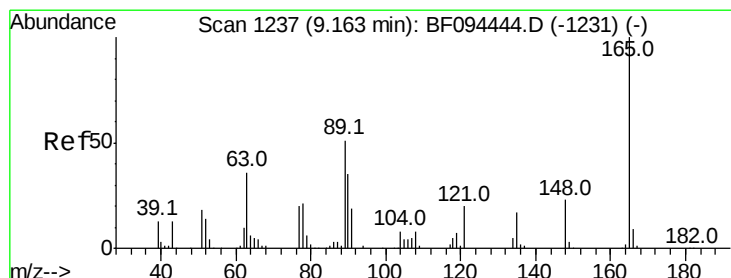
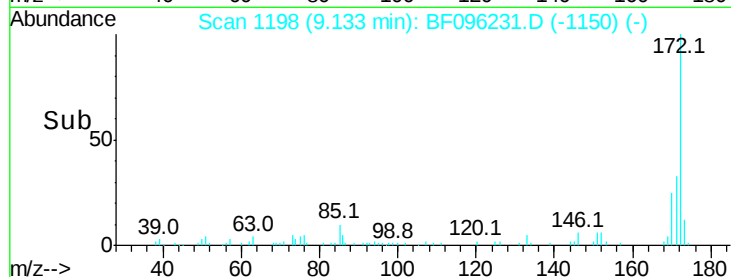
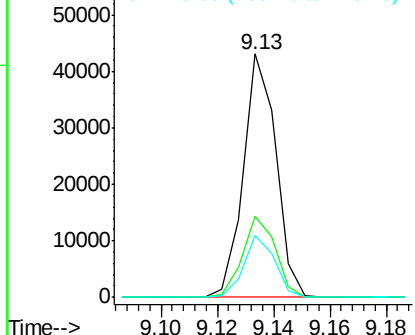
#44
 2-Fluorobiphenyl
 Concen: 2.05 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: BF096231.D
 Acq: 27 Jun 2017 22:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 34435
 Ion Ratio Lower Upper
 172 100
 171 33.4 29.6 44.4
 170 25.2 19.8 29.8

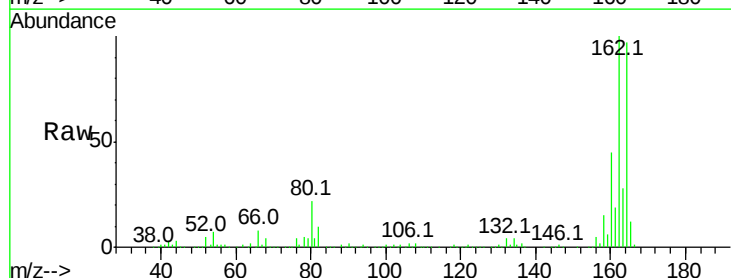


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

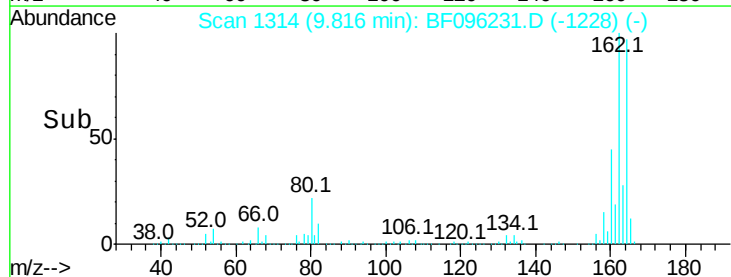
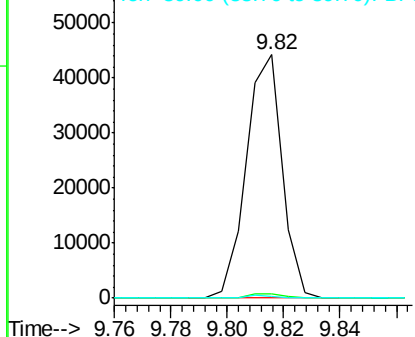


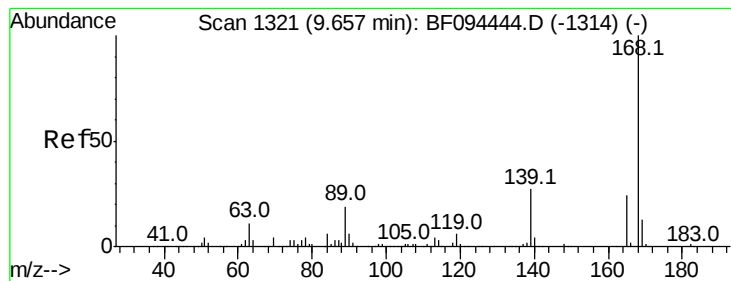
#50
 2,6-Dinitrotoluene
 Concen: 8.49 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.21 min
 Lab File: BF096231.D
 Acq: 27 Jun 2017 22:12

Tgt Ion:165 Resp: 38817
 Ion Ratio Lower Upper
 165 100
 63 1.9 34.3 51.5#
 89 1.0 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: 6.73 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.19 min

Lab File: BF096231.D

Acq: 27 Jun 2017 22:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 38817

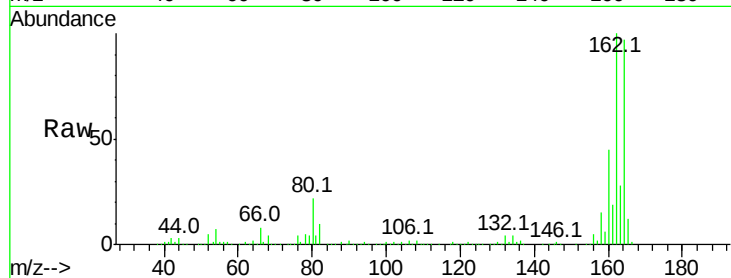
Ion Ratio Lower Upper

165 100

63 1.9 25.4 38.0#

89 1.0 46.4 69.6#

182 0.0 1.8 2.6#

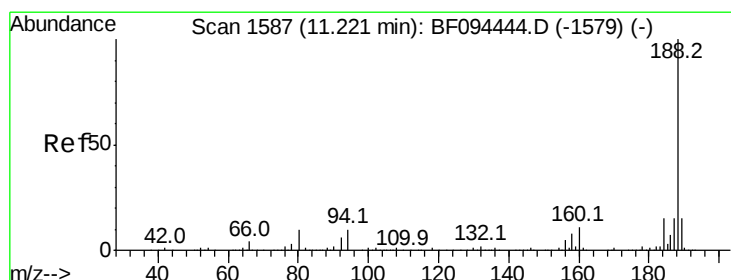
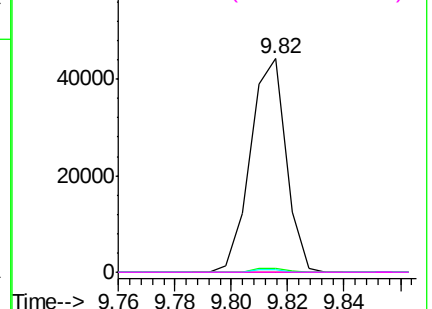
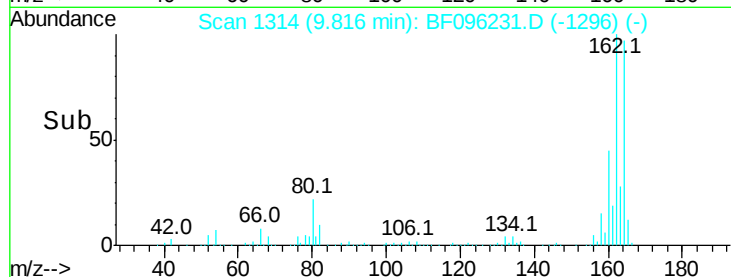


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.29 min Scan# 1565

Delta R.T. 0.01 min

Lab File: BF096231.D

Acq: 27 Jun 2017 22:12

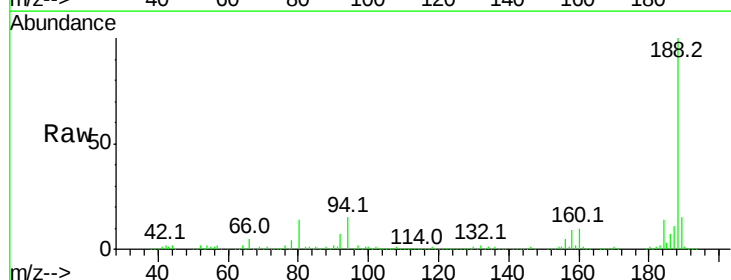
Tgt Ion:188 Resp: 445104

Ion Ratio Lower Upper

188 100

94 14.5 9.4 14.2#

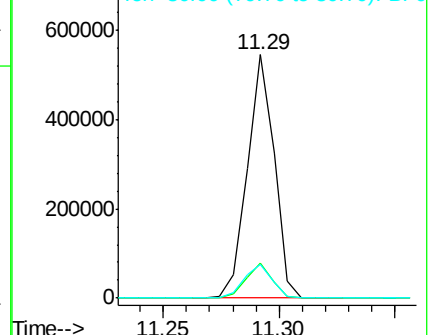
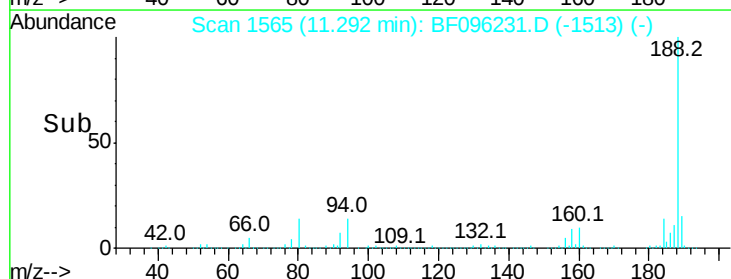
80 13.9 10.2 15.2

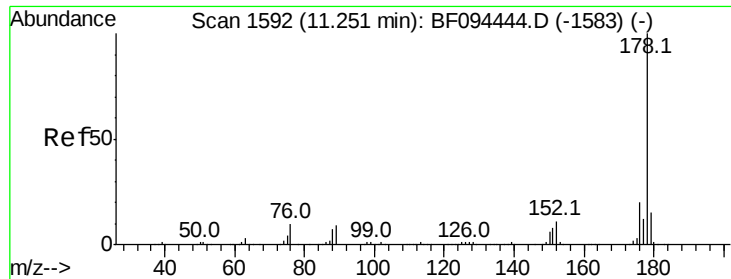


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

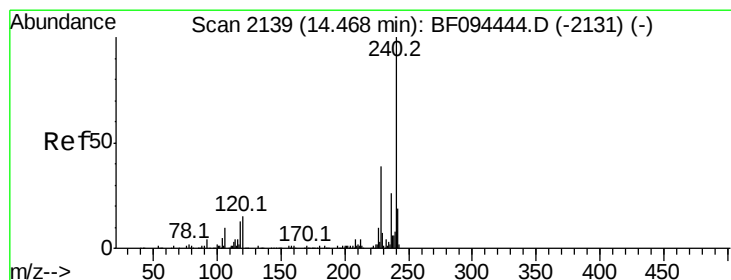
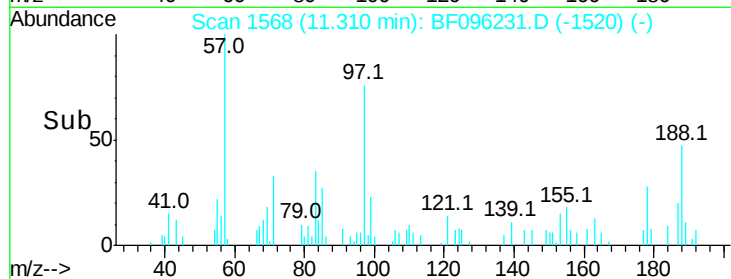
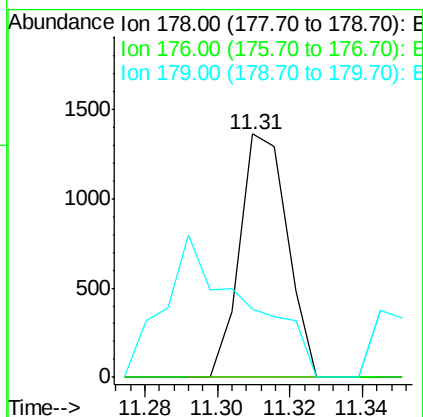
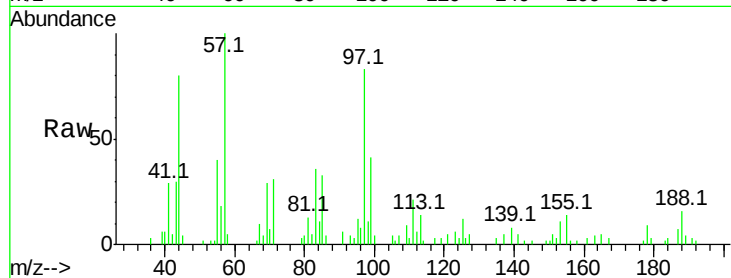




#70
Phenanthrene
Concen: Below Cal
RT: 11.31 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF096231.D
Acq: 27 Jun 2017 22:12

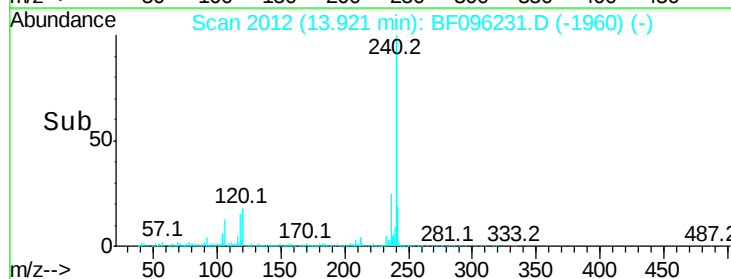
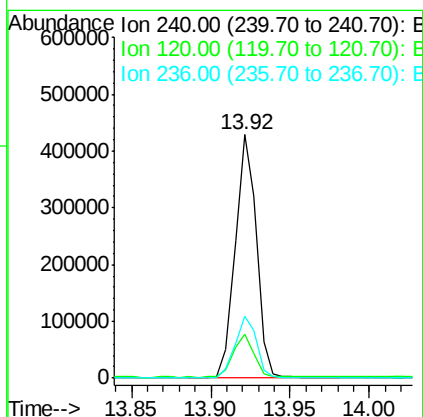
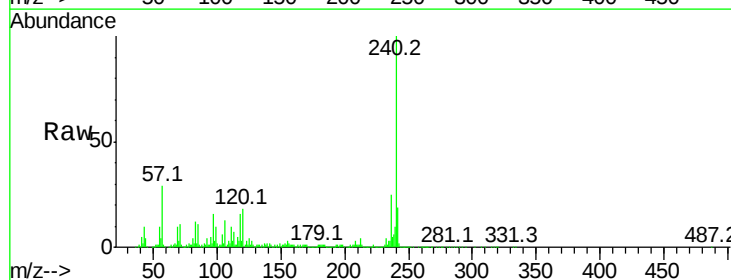
Instrument :
BNA_F
ClientSampled :

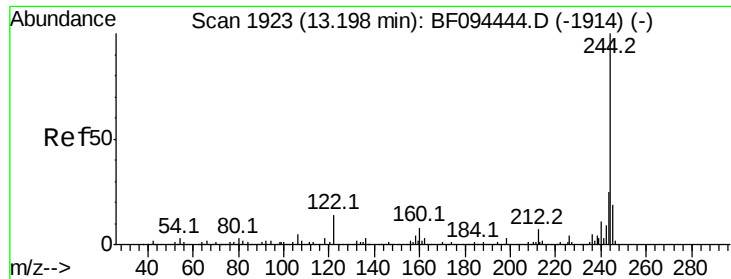
Tot Ion:178 Resp: 1240
Ion Ratio Lower Upper
178 100
176 0.0 16.2 24.4#
179 28.1 12.6 19.0#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.01 min
Lab File: BF096231.D
Acq: 27 Jun 2017 22:12

Tgt Ion:240 Resp: 397868
Ion Ratio Lower Upper
240 100
120 18.1 5.8 8.8#
236 25.2 20.5 30.7

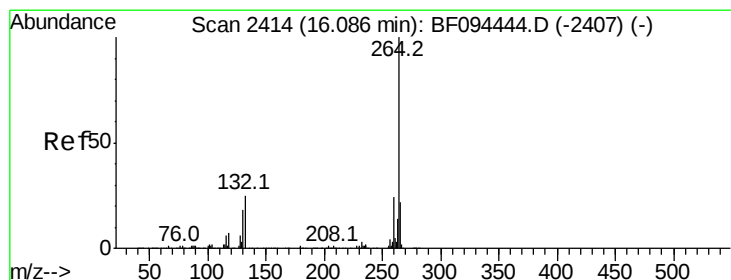
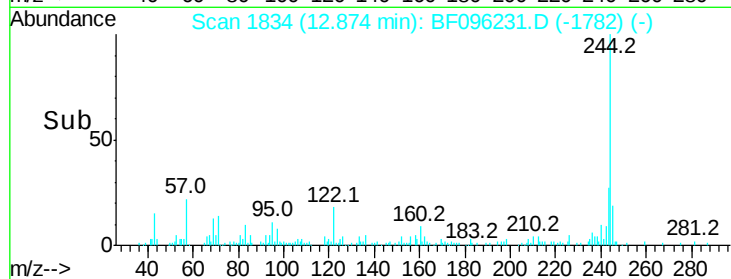
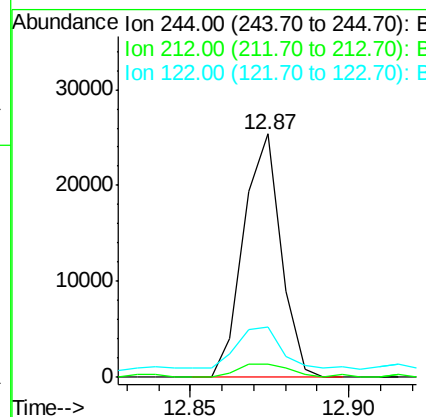
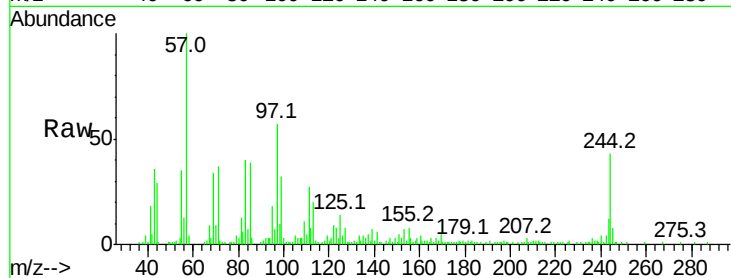




#78
 Terphenyl-d14
 Concen: 1.30 ng
 RT: 12.87 min Scan# 1834
 Delta R.T. 0.01 min
 Lab File: BF096231.D
 Acq: 27 Jun 2017 22:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 20745
 Ion Ratio Lower Upper
 244 100
 212 5.6 6.0 9.0#
 122 20.6 10.3 15.5#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.34 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: BF096231.D
 Acq: 27 Jun 2017 22:12

Tgt Ion:264 Resp: 282285
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.5 29.3
 265 21.9 17.2 25.8

