

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032817\
 Data File : BF094011.D
 Acq On : 28 Mar 2017 23:49
 Operator : SJ/MA
 Sample : I2421-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 29 02:41:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

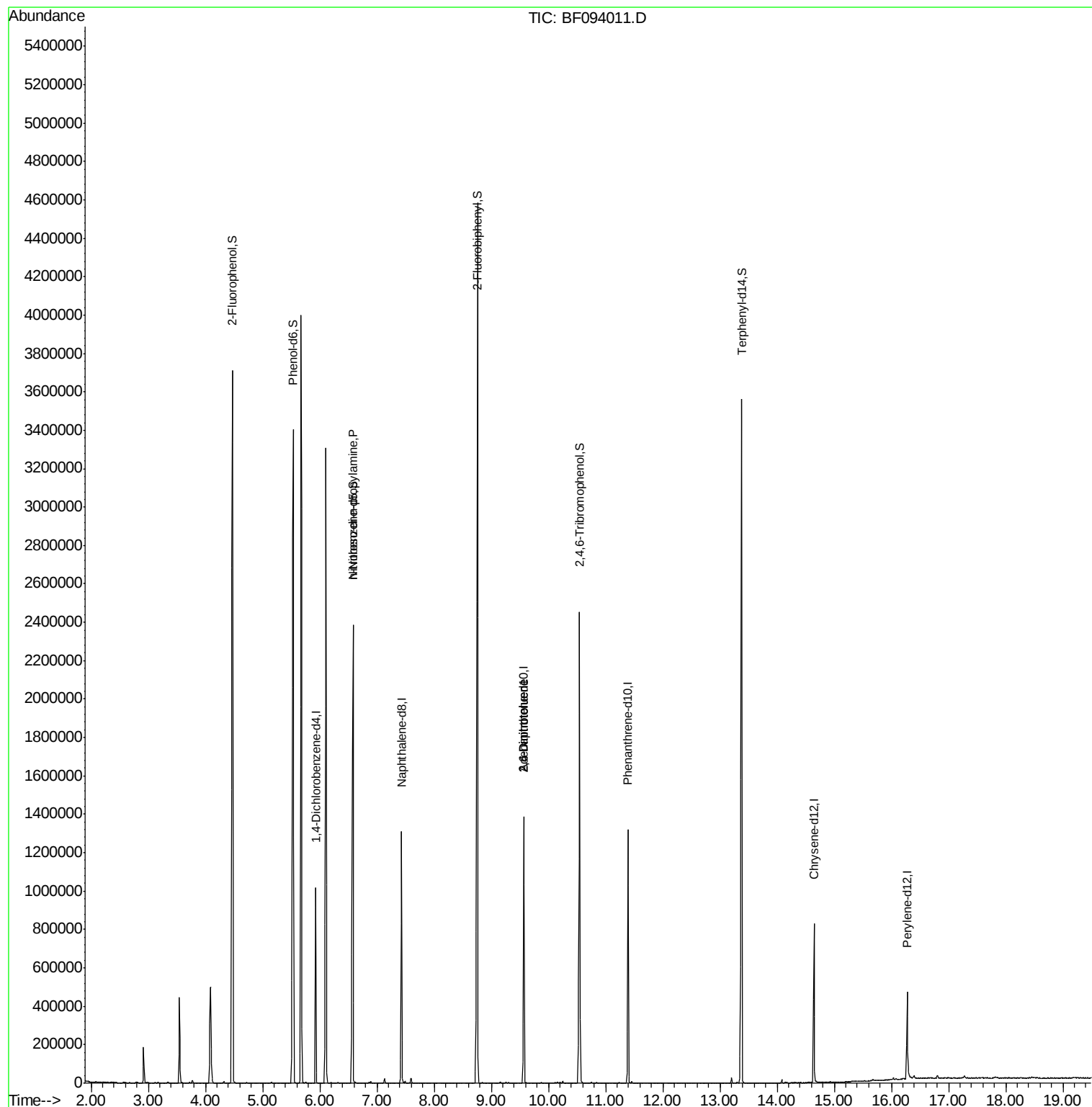
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.93	152	171678	20.00	ng	-0.02
21) Naphthalene-d8	7.43	136	699396	20.00	ng	-0.03
38) Acenaphthene-d10	9.57	164	314417	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	542556	20.00	ng	-0.03
75) Chrysene-d12	14.64	240	342504	20.00	ng	-0.04
86) Perylene-d12	16.27	264	187258	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	4.47	112	1293628	127.27	ng	0.00
7) Phenol-d6	5.53	99	1515001	120.48	ng	-0.02
23) Nitrobenzene-d5	6.58	82	1103609	90.05	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	377942	152.12	ng	-0.03
44) 2-Fluorobiphenyl	8.76	172	1984360	96.26	ng	-0.02
78) Terphenyl-d14	13.38	244	1490569	97.55	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.58	70	145107	17.96	ng	# 77
50) 2,6-Dinitrotoluene	9.57	165	40468	7.90	ng	# 33
56) 2,4-Dinitrotoluene	9.57	165	40469	6.29	ng	# 33

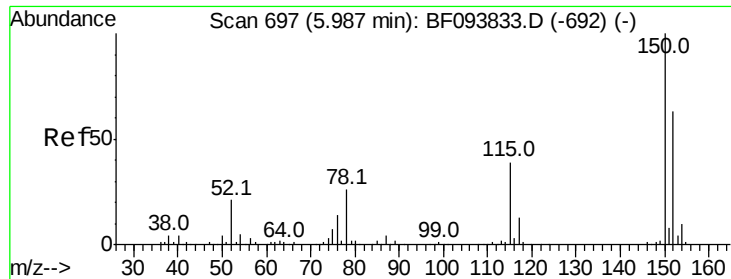
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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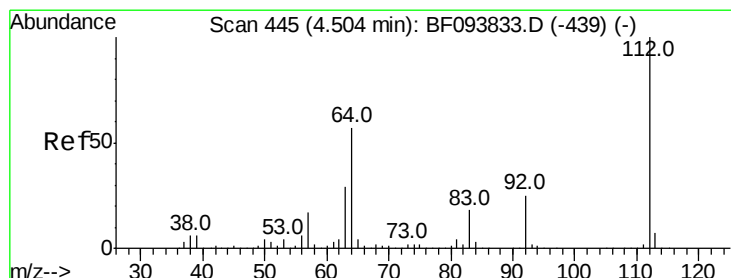
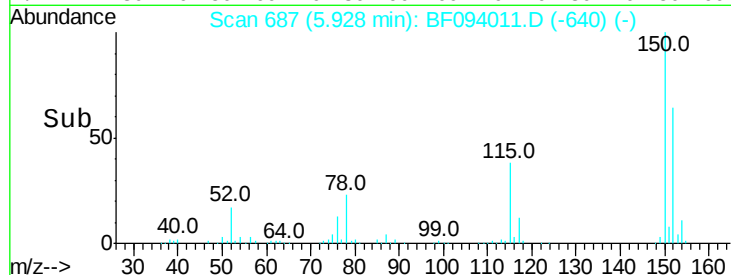
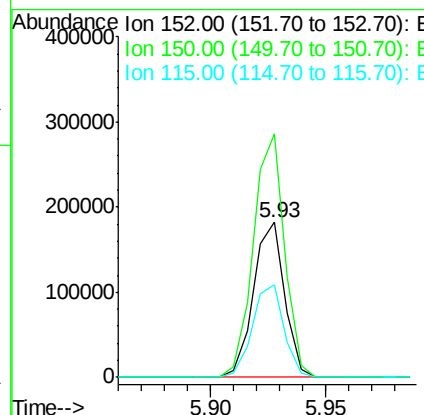
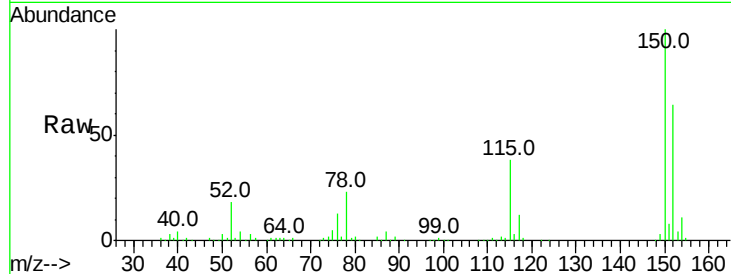


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.93 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF094011.D
Acq: 28 Mar 2017 23:49

Instrument :
BNA_F
ClientSampleId :

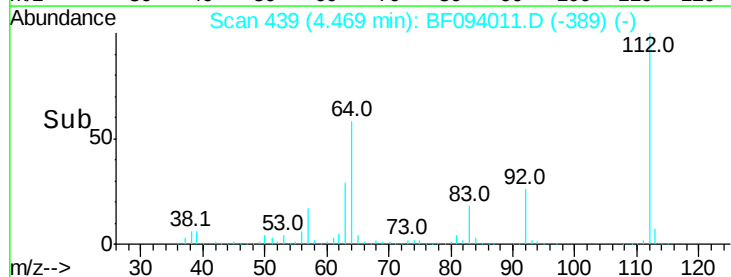
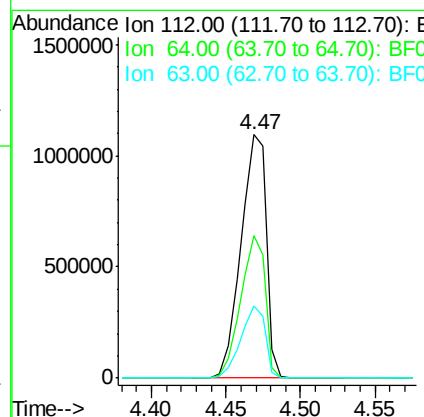
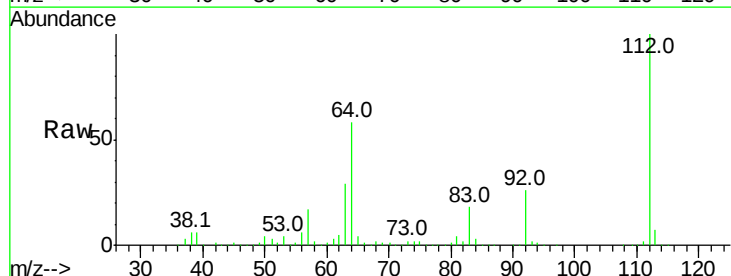
Tot Ion:152 Resp: 171678
Ion Ratio Lower Upper
152 100
150 157.2 126.2 189.2
115 59.4 52.2 78.2

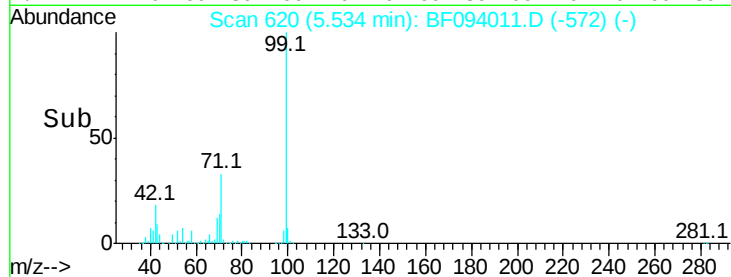
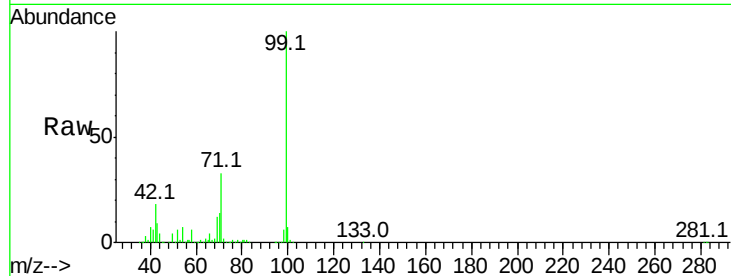
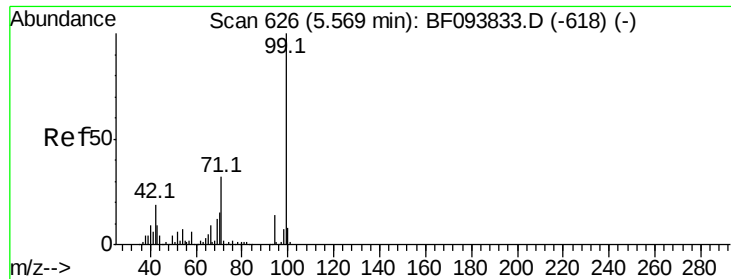


#5

2-Fluorophenol
Concen: 127.27 ng
RT: 4.47 min Scan# 439
Delta R.T. -0.01 min
Lab File: BF094011.D
Acq: 28 Mar 2017 23:49

Tgt Ion:112 Resp: 1293628
Ion Ratio Lower Upper
112 100
64 58.3 46.0 69.0
63 29.5 23.4 35.0





#7

Phenol-d6

Concen: 120.48 ng

RT: 5.53 min Scan# 620

Delta R.T. -0.02 min

Lab File: BF094011.D

Acq: 28 Mar 2017 23:49

Instrument :

BNA_F

ClientSampleId :

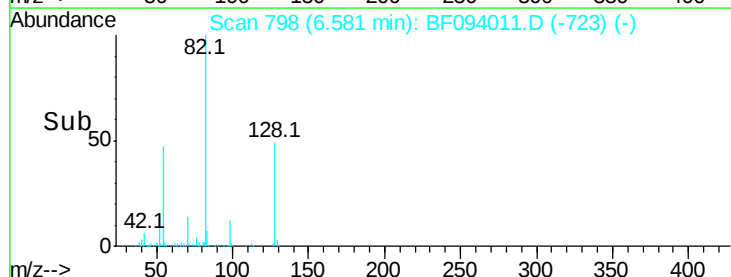
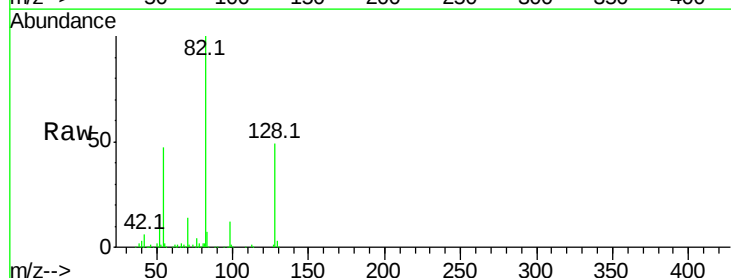
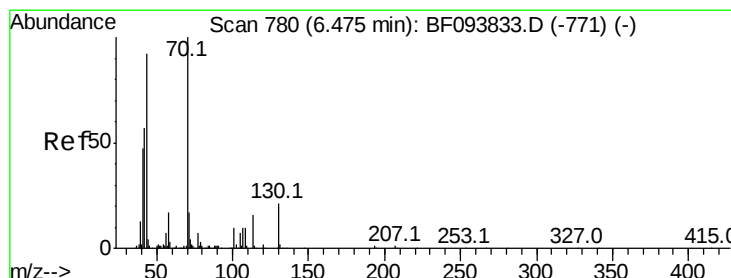
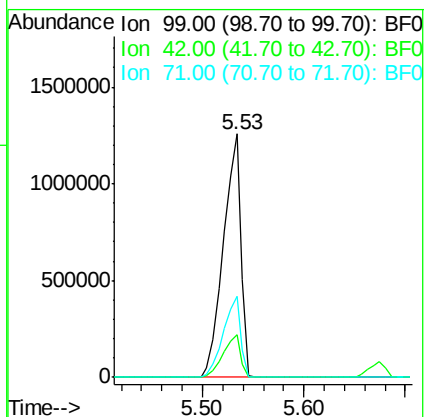
Tot Ion: 99 Resp: 1515001

Ion Ratio Lower Upper

99 100

42 17.7 13.5 20.3

71 33.4 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 17.96 ng

RT: 6.58 min Scan# 798

Delta R.T. 0.14 min

Lab File: BF094011.D

Acq: 28 Mar 2017 23:49

Tgt Ion: 70 Resp: 145107

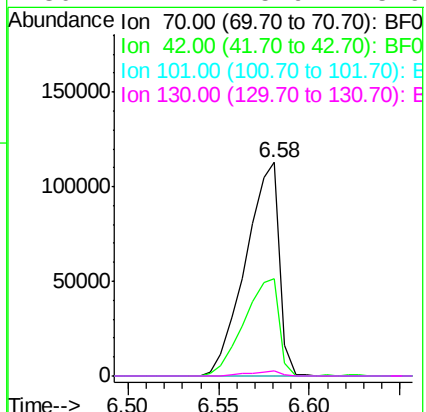
Ion Ratio Lower Upper

70 100

42 45.4 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: 7.43 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF094011.D

Acq: 28 Mar 2017 23:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 699396

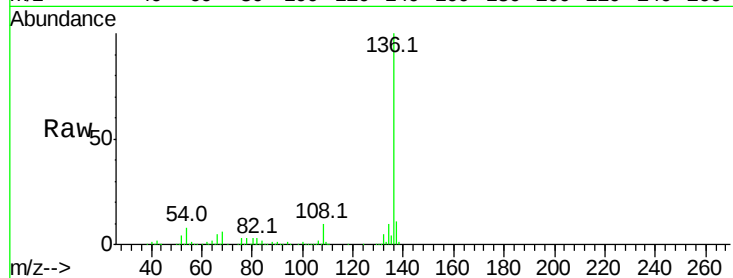
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 8.0 4.9 7.3#

68 6.2 4.1 6.1#

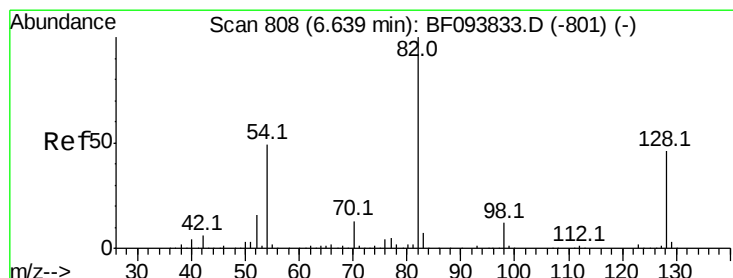
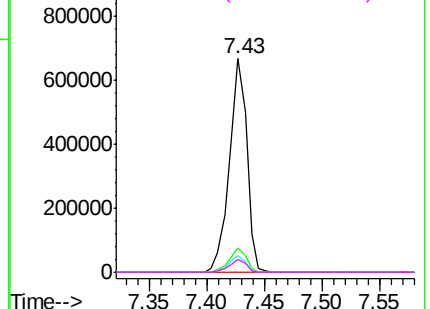
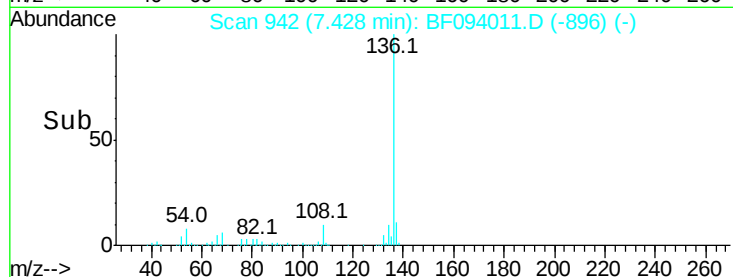


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.05 ng

RT: 6.58 min Scan# 798

Delta R.T. -0.02 min

Lab File: BF094011.D

Acq: 28 Mar 2017 23:49

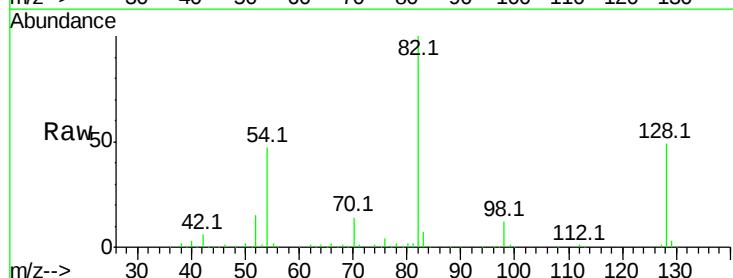
Tgt Ion: 82 Resp: 1103609

Ion Ratio Lower Upper

82 100

128 48.6 34.0 51.0

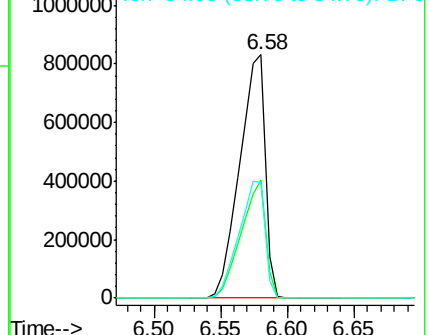
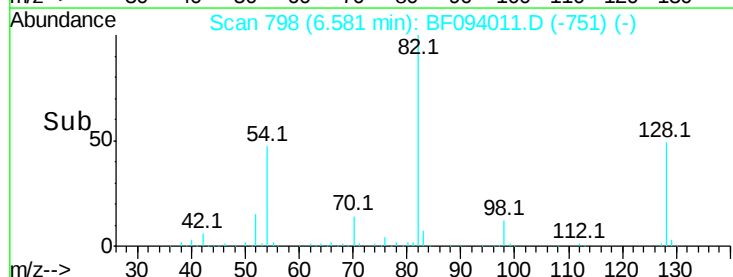
54 47.4 42.2 63.2



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

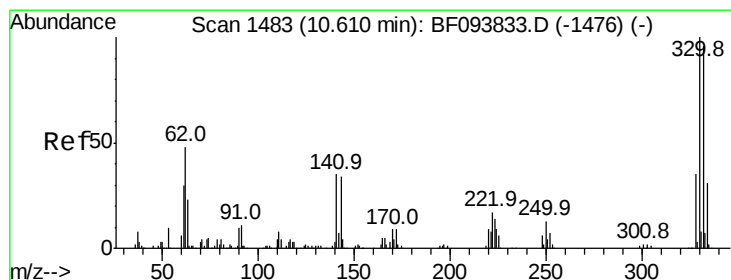
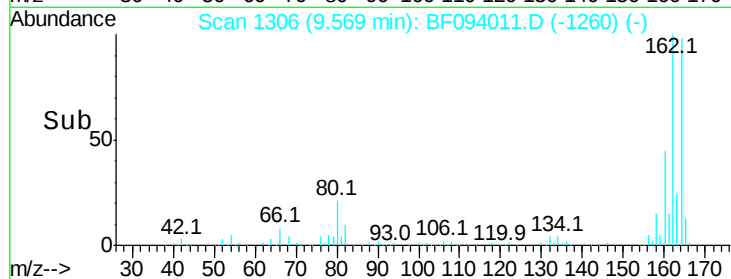
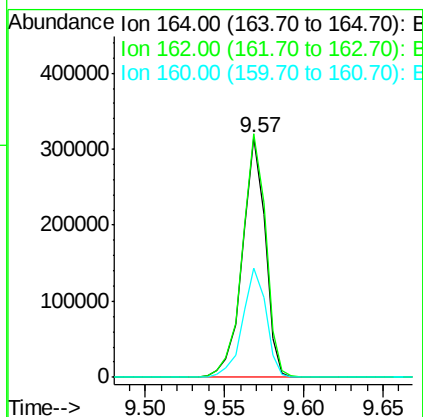
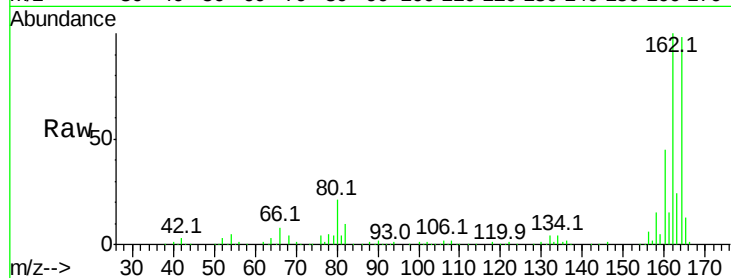




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.57 min Scan# 1306
 Delta R.T. -0.03 min
 Lab File: BF094011.D
 Acq: 28 Mar 2017 23:49

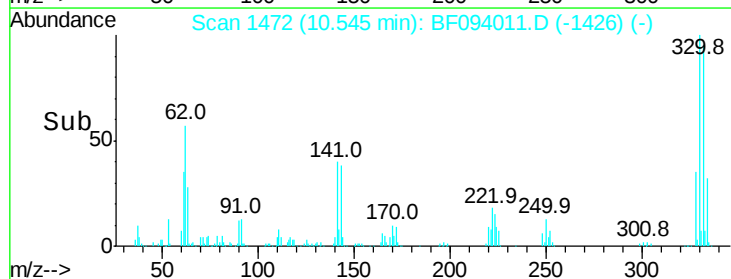
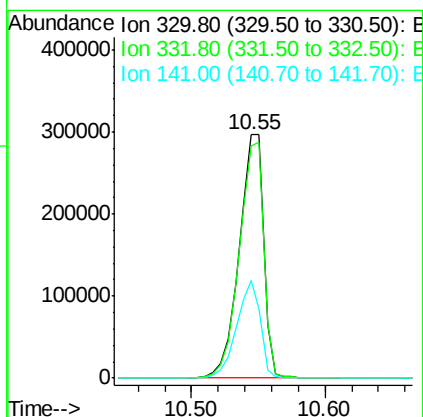
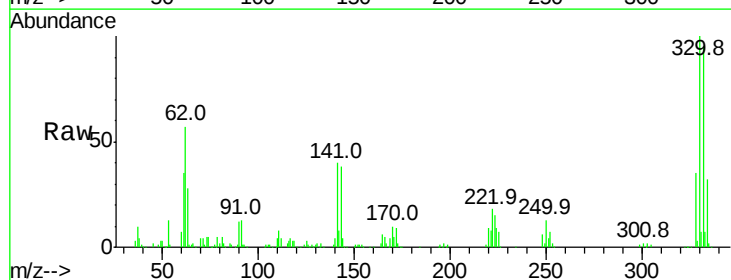
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 314417
 Ion Ratio Lower Upper
 164 100
 162 101.8 82.6 123.8
 160 45.7 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 152.12 ng
 RT: 10.55 min Scan# 1472
 Delta R.T. -0.03 min
 Lab File: BF094011.D
 Acq: 28 Mar 2017 23:49

Tgt Ion:330 Resp: 377942
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 115.0
 141 38.7 31.4 47.2



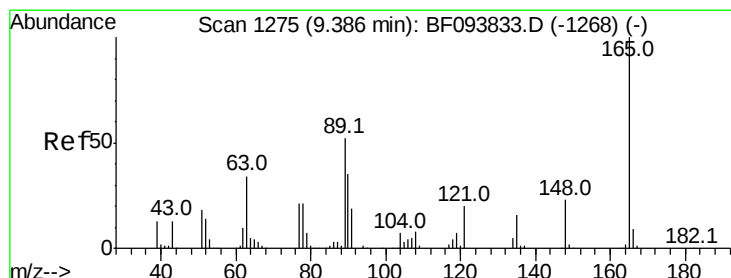
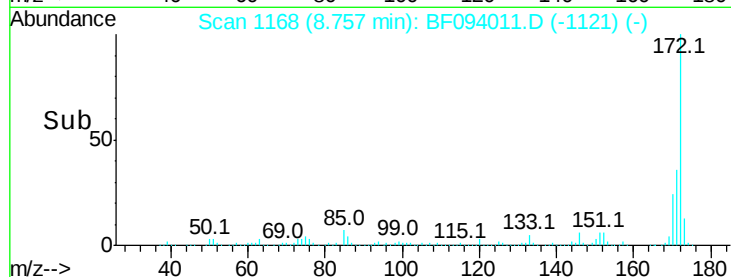
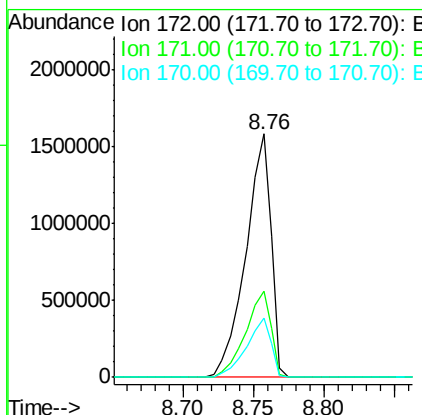
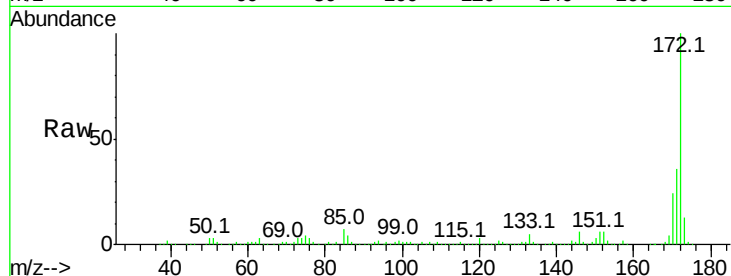


#44
 2-Fluorobiphenyl
 Concen: 96.26 ng
 RT: 8.76 min Scan# 1168
 Delta R.T. -0.02 min
 Lab File: BF094011.D
 Acq: 28 Mar 2017 23:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1984360

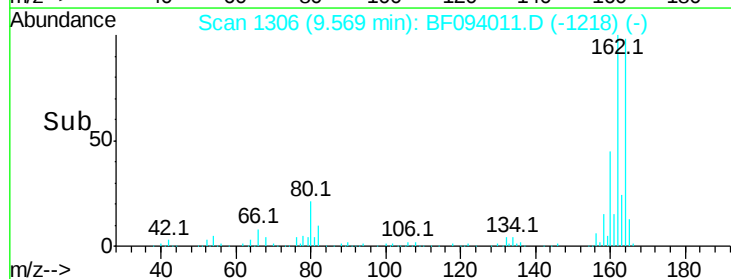
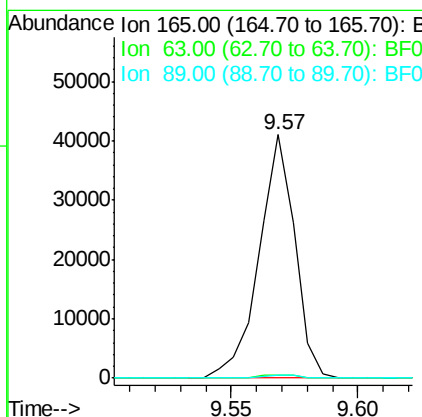
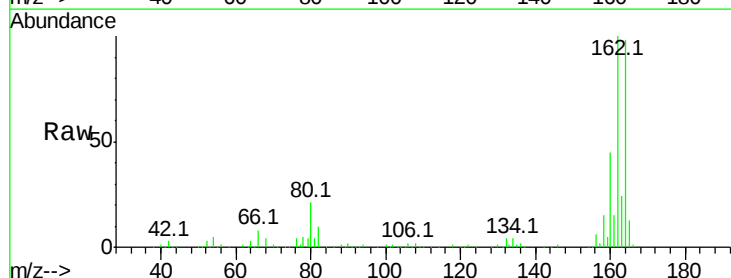
Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	24.1	19.8	29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.90 ng
 RT: 9.57 min Scan# 1306
 Delta R.T. 0.22 min
 Lab File: BF094011.D
 Acq: 28 Mar 2017 23:49

Tgt Ion:165 Resp: 40468

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

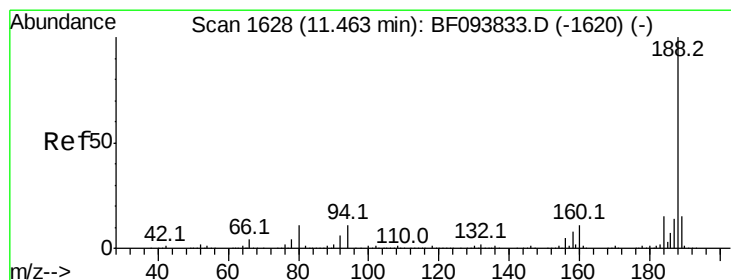
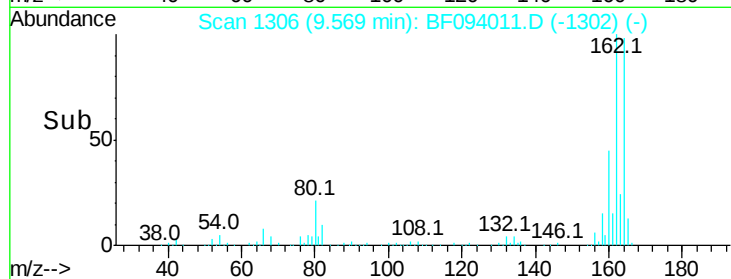
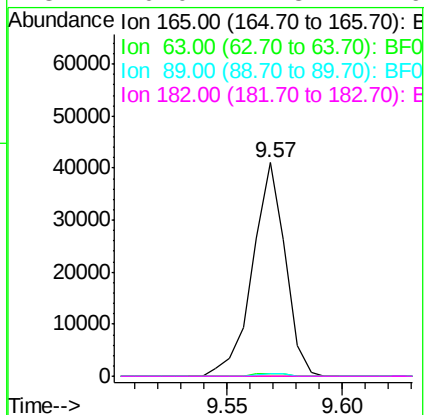
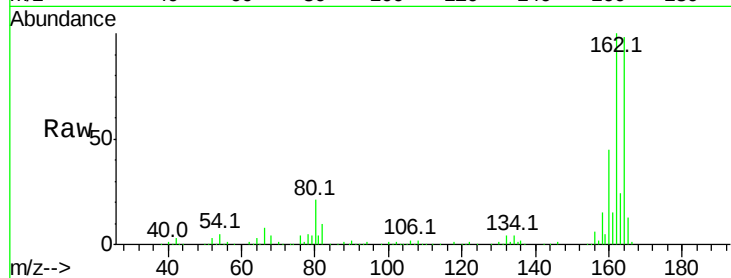




#56
2,4-Dinitrotoluene
Concen: 6.29 ng
RT: 9.57 min Scan# 1306
Delta R.T. -0.28 min
Lab File: BF094011.D
Acq: 28 Mar 2017 23:49

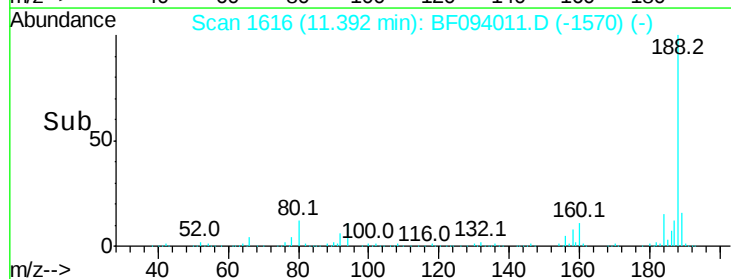
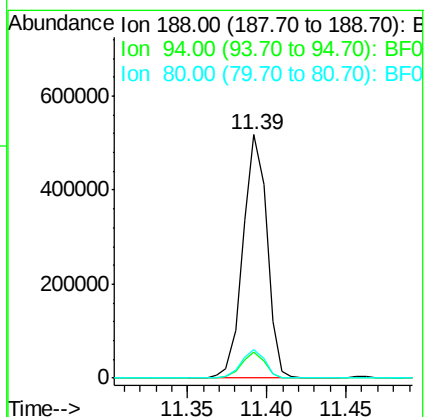
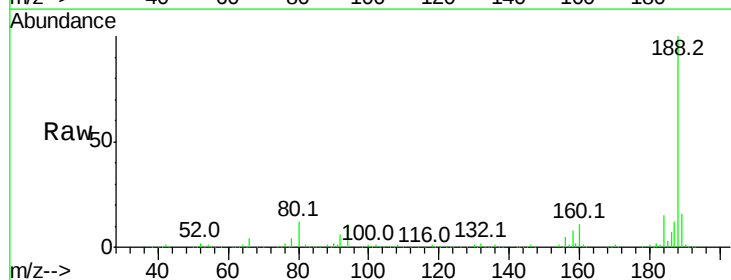
Instrument :
BNA_F
ClientSampleId :

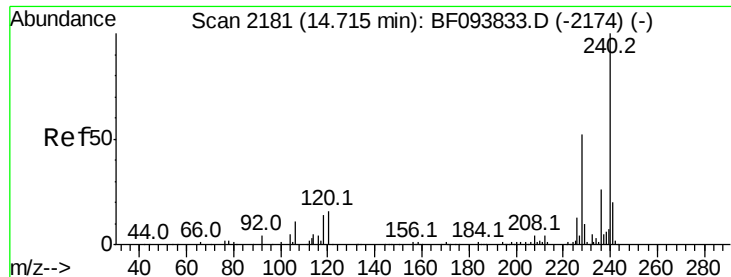
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	1.1	46.4	69.6#
182	0.0	1.8	2.6#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1616
Delta R.T. -0.03 min
Lab File: BF094011.D
Acq: 28 Mar 2017 23:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	9.4	14.2
80	11.9	10.2	15.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.64 min Scan# 2169

Delta R.T. -0.04 min

Lab File: BF094011.D

Acq: 28 Mar 2017 23:49

Instrument :

BNA_F

ClientSampleId :

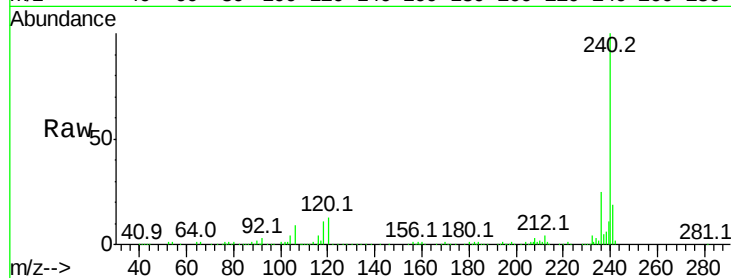
Tot Ion:240 Resp: 342504

Ion Ratio Lower Upper

240 100

120 13.1 5.8 8.8#

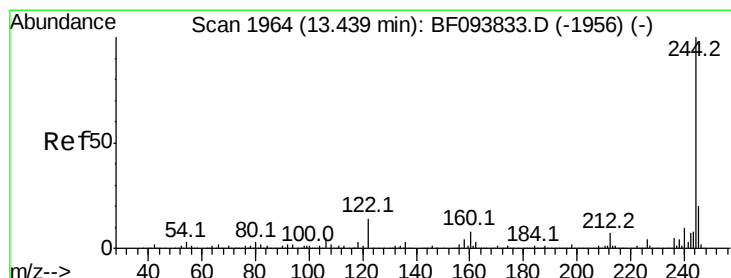
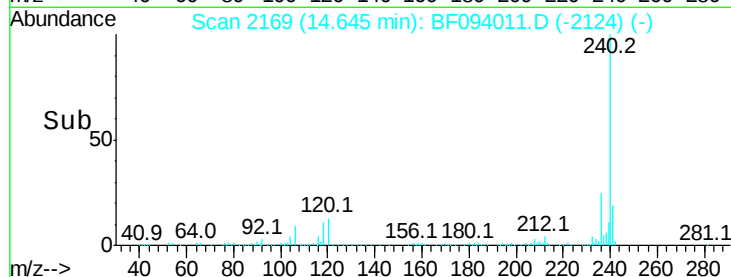
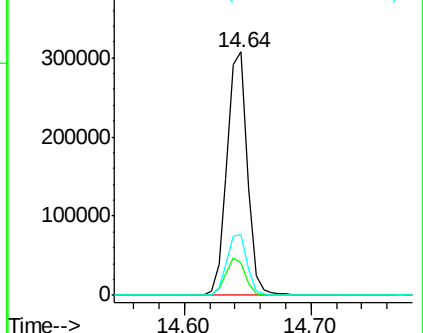
236 25.1 20.5 30.7



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: 97.55 ng

RT: 13.38 min Scan# 1954

Delta R.T. -0.02 min

Lab File: BF094011.D

Acq: 28 Mar 2017 23:49

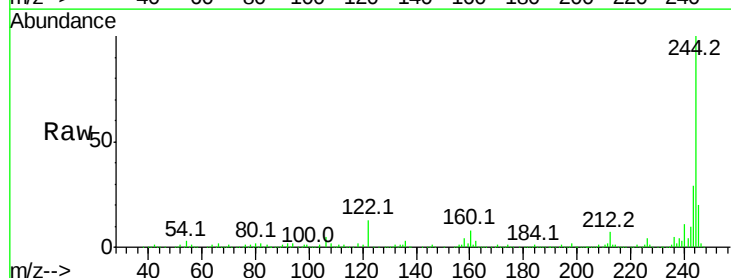
Tgt Ion:244 Resp: 1490569

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

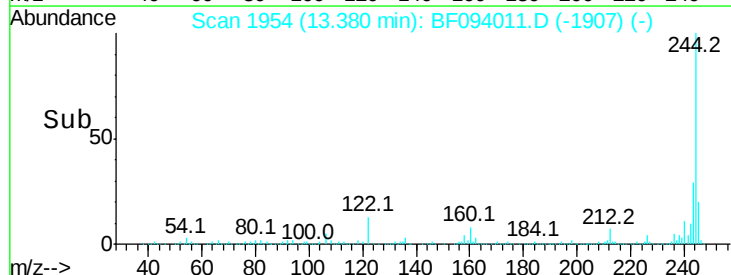
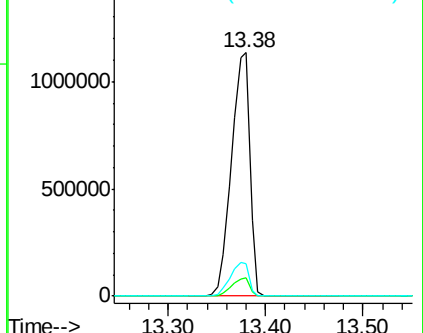
122 13.1 10.3 15.5

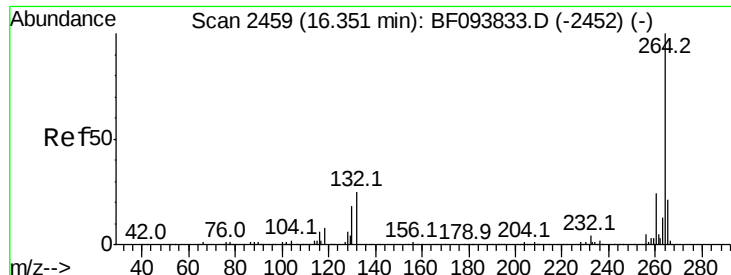


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

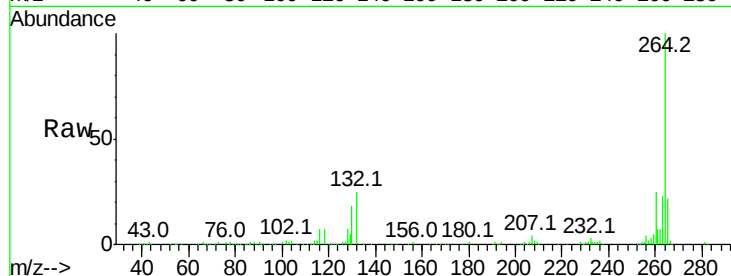




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 16.27 min Scan# 2446
 Delta R.T. -0.04 min
 Lab File: BF094011.D
 Acq: 28 Mar 2017 23:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.5	29.3
265	21.5	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

