

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
 Data File : BF099111.D
 Acq On : 5 Oct 2017 18:53
 Operator : SJ/JU
 Sample : I5604-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 05 19:52:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

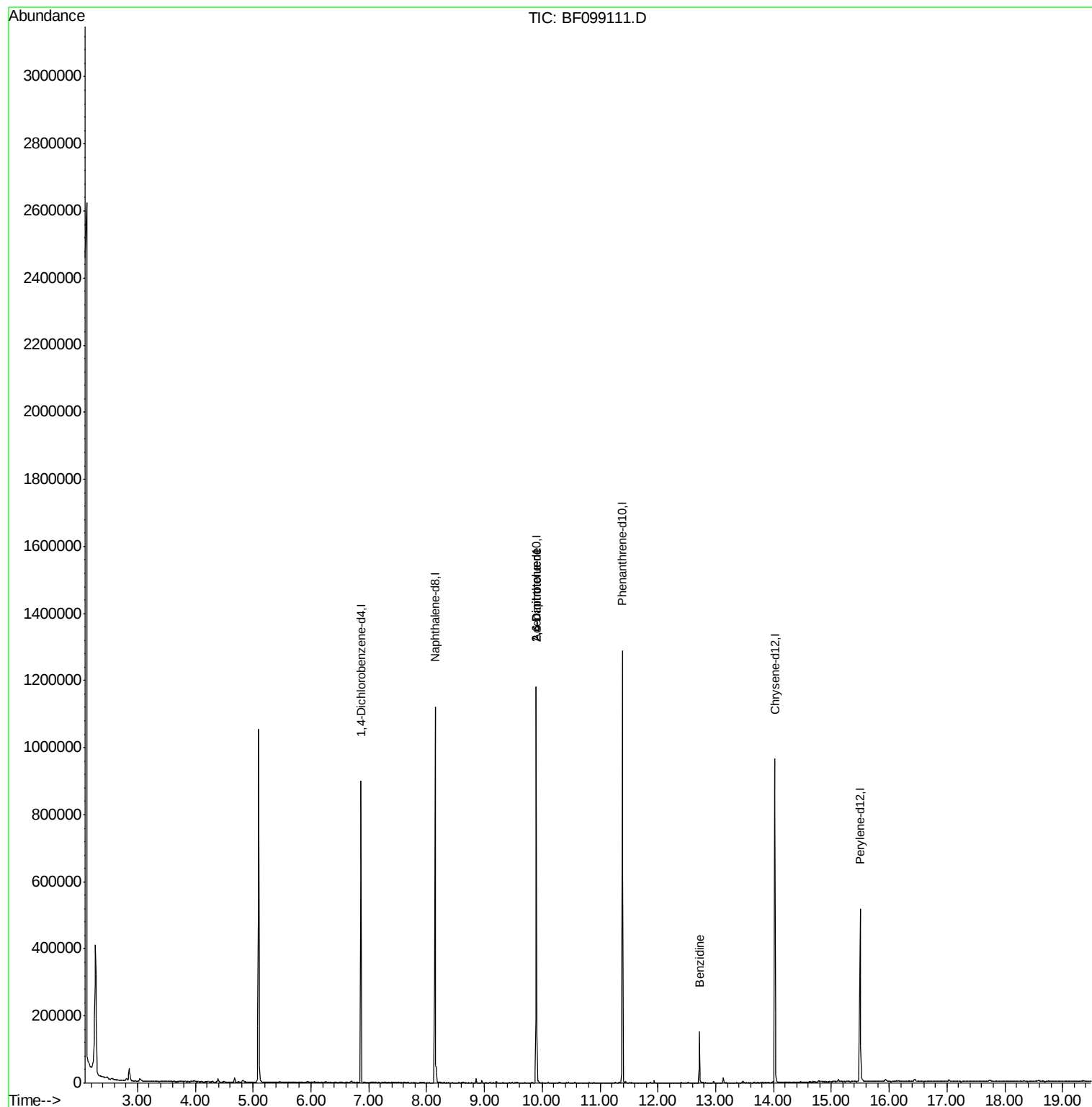
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	124156	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	511071	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	230719	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	419298	20.00	ng	0.00
75) Chrysene-d12	14.02	240	321337	20.00	ng	-0.01
86) Perylene-d12	15.50	264	225065	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.22	172	670	0.05	ng	-0.01
78) Terphenyl-d14	12.96	244	1945	0.14	ng	-0.01
Target Compounds						
50) 2,6-Dinitrotoluene	9.90	165	29344	7.740	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	29344	5.964	ng	# 23
76) Benzidine	12.72	184	60733	5.110	ng	100

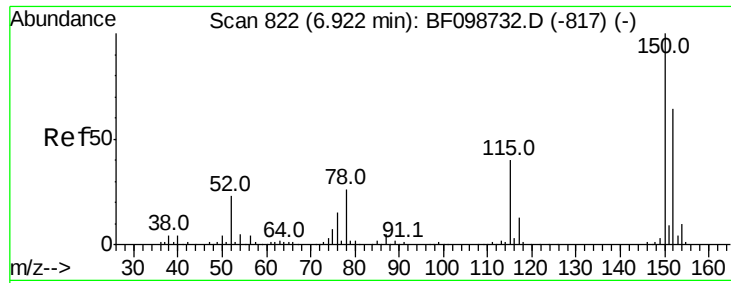
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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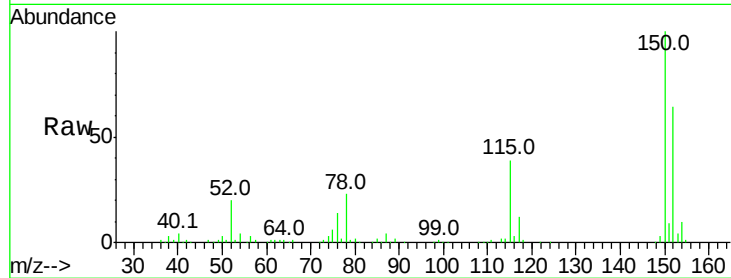


#1

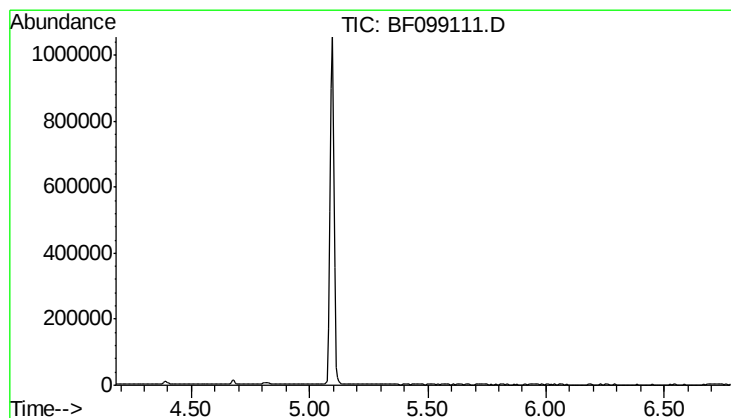
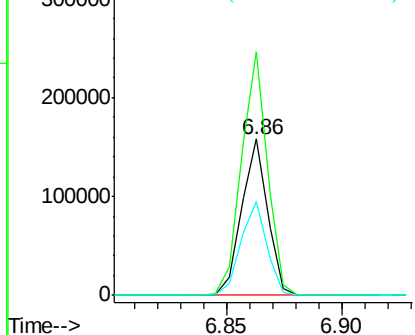
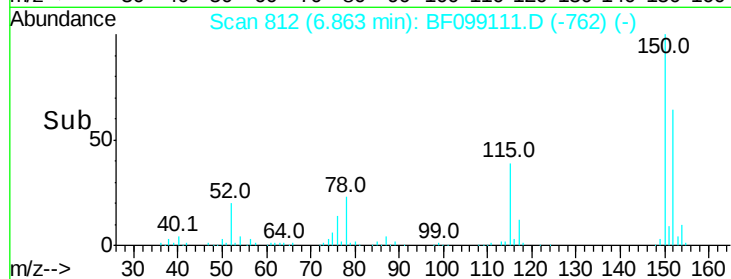
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF099111.D
 Acq: 5 Oct 2017 18:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 124156
 Ion Ratio Lower Upper
 152 100
 150 155.9 124.6 186.8
 115 60.1 50.1 75.1



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

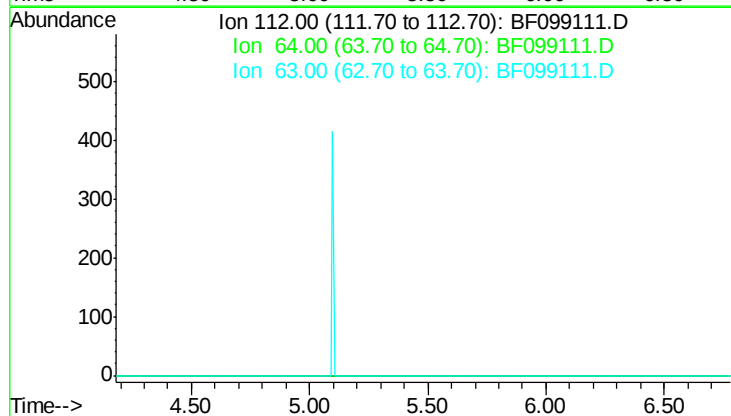


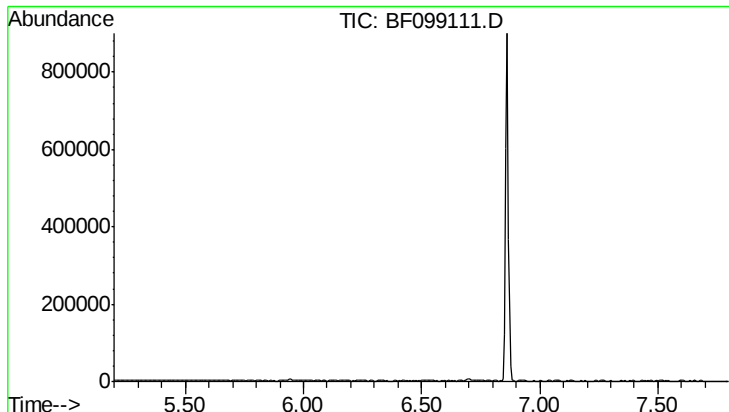
#5

2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.48 min

Lab File: BF099111.D
 Acq: 5 Oct 2017 18:53

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 59.9
 63 29.6

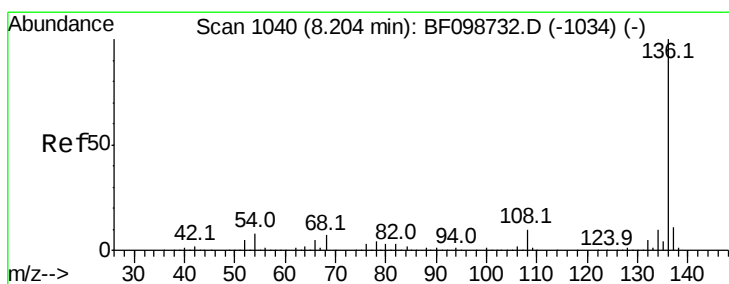
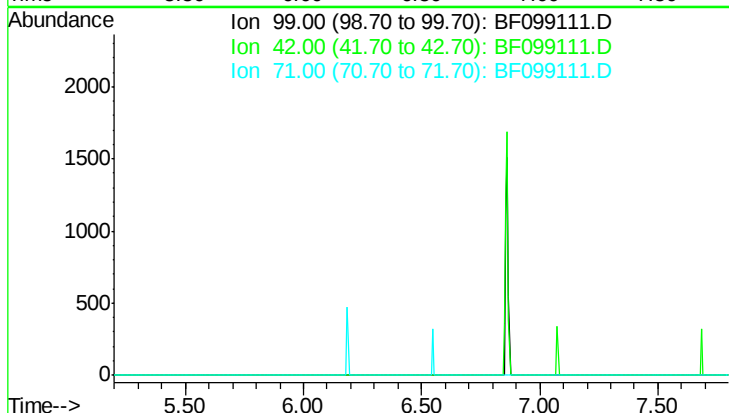




#7
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 6.50 min
 Lab File: BF099111.D
 Acq: 5 Oct 2017 18:53

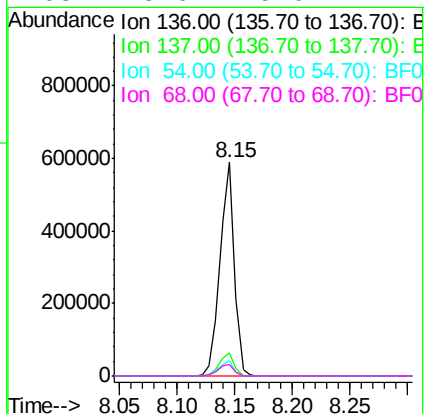
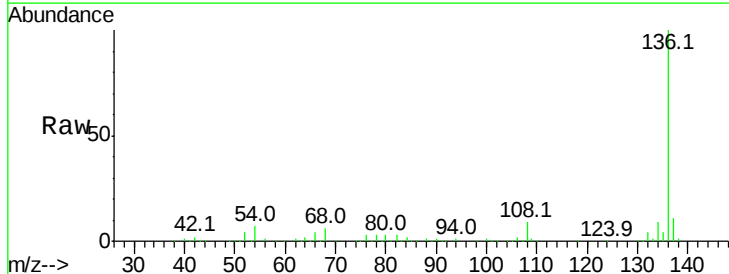
Instrument :
 BNA_F
 ClientSampleId :

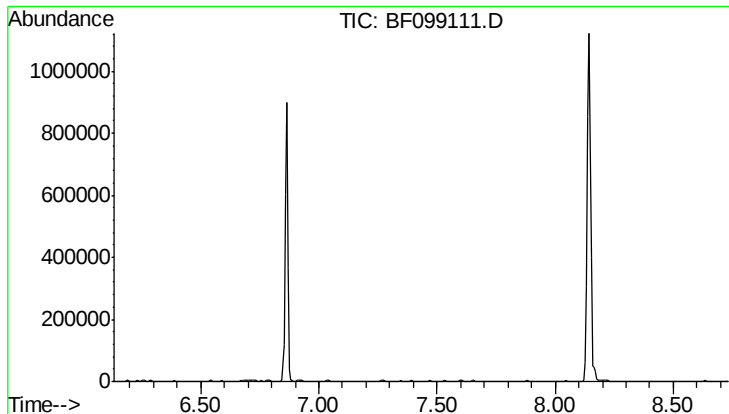
Tot Ion: 99
 Sig Exp Ratio
 99 100
 42 18.1
 71 31.7



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.15 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: BF099111.D
 Acq: 5 Oct 2017 18:53

Tgt Ion: 136 Resp: 511071
 Ion Ratio Lower Upper
 136 100
 137 10.6 8.9 13.3
 54 7.2 6.6 9.8
 68 5.6 5.0 7.4

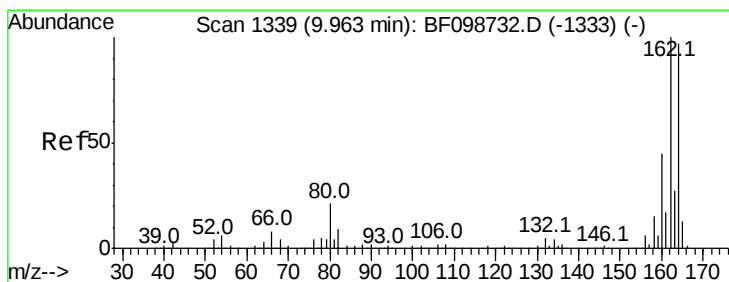
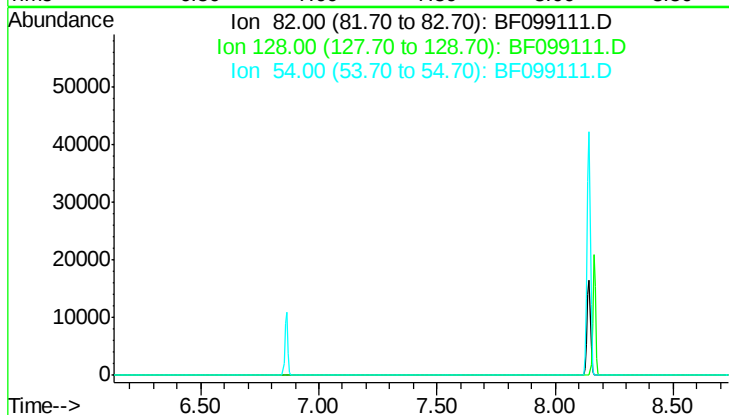




#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 7.43 min
 Lab File: BF099111.D
 Acq: 5 Oct 2017 18:53

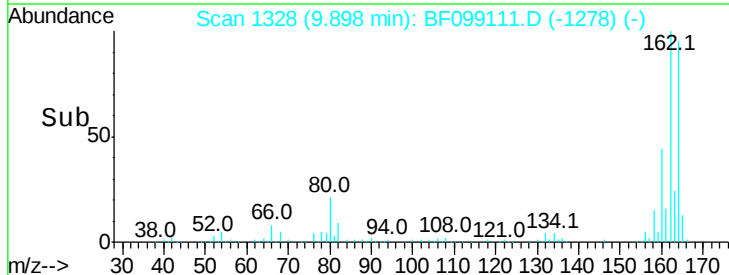
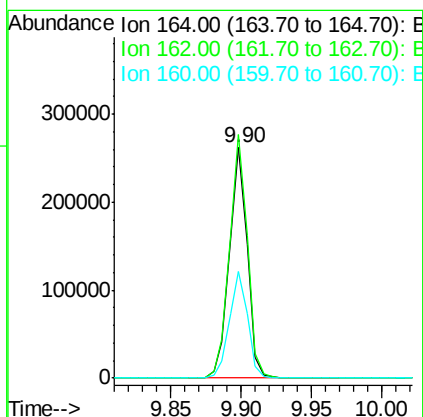
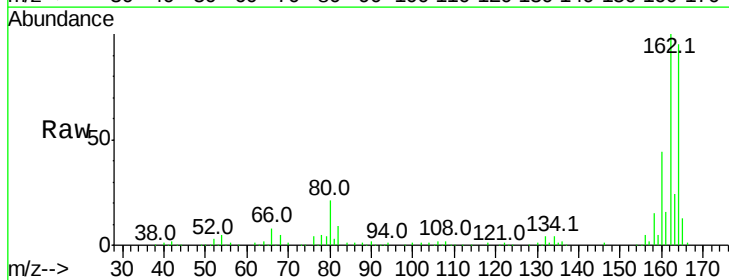
Instrument :
 BNA_F
 ClientSampleId :

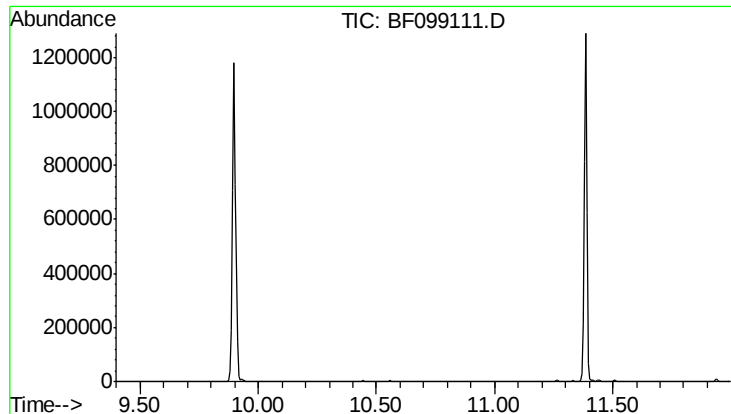
Tot Ion: 82
 Sig Exp Ratio
 82 100
 128 45.1
 54 51.8



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF099111.D
 Acq: 5 Oct 2017 18:53

Tgt Ion:164 Resp: 230719
 Ion Ratio Lower Upper
 164 100
 162 105.7 86.1 129.1
 160 46.5 38.3 57.5

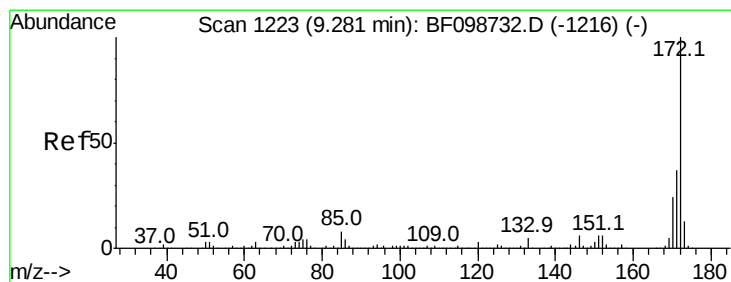
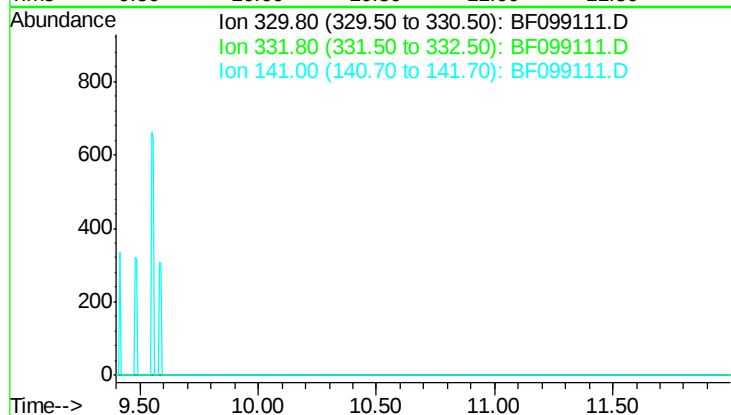




#41
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.70 min
 Lab File: BF099111.D
 Acq: 5 Oct 2017 18:53

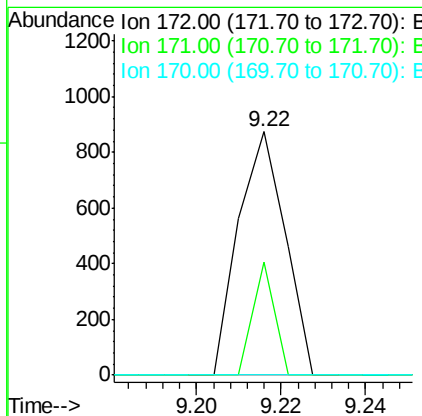
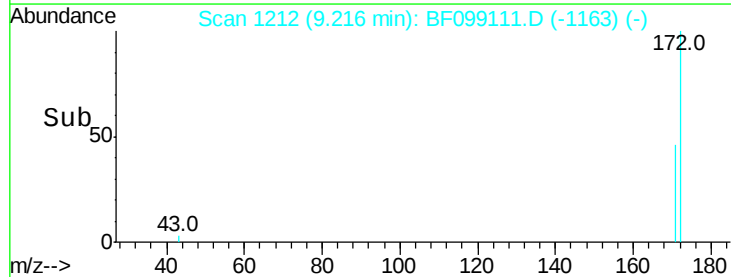
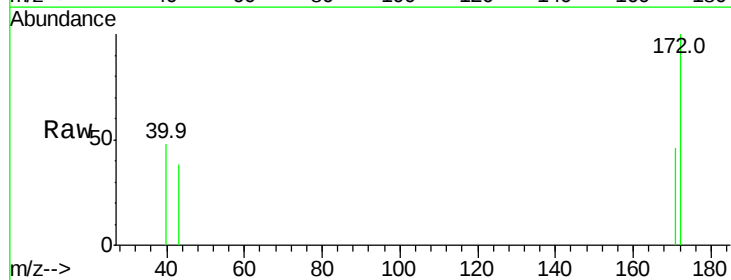
Instrument :
 BNA_F
 ClientSampleId :

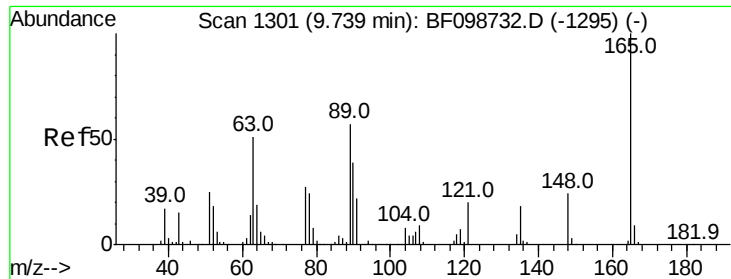
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 96.3
 141 37.4



#44
 2-Fluorobiphenyl
 Concen: 0.048 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099111.D
 Acq: 5 Oct 2017 18:53

Tgt Ion: 172 Resp: 670
 Ion Ratio Lower Upper
 172 100
 171 46.3 29.7 44.5#
 170 0.0 19.6 29.4#

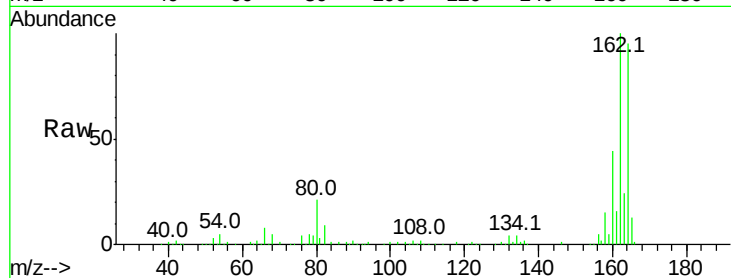




#50
 2,6-Dinitrotoluene
 Concen: 7.740 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF099111.D
 Acq: 5 Oct 2017 18:53

Instrument :
 BNA_F
 ClientSampleId :

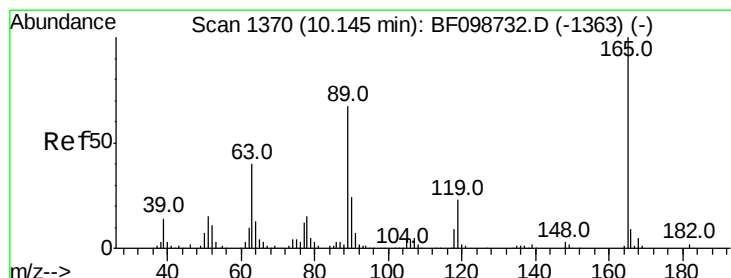
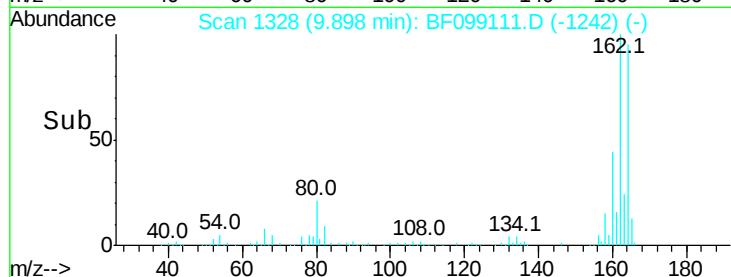
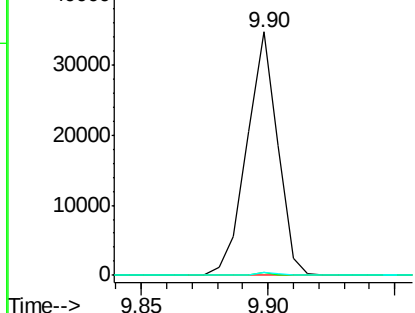
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.3	44.0	66.0#



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: 5.964 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF099111.D
 Acq: 5 Oct 2017 18:53

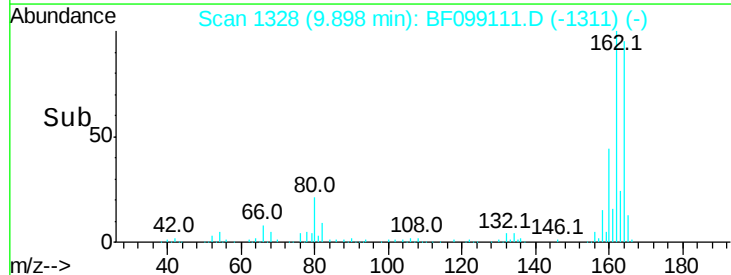
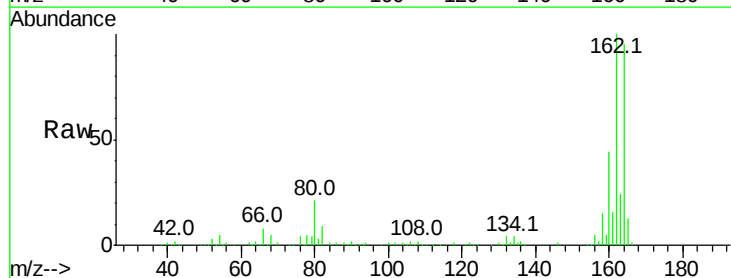
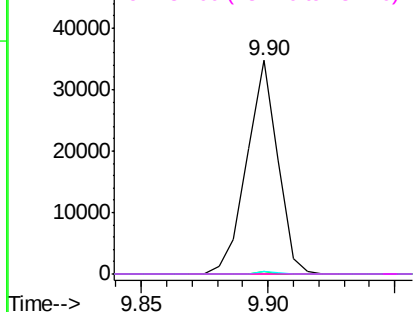
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

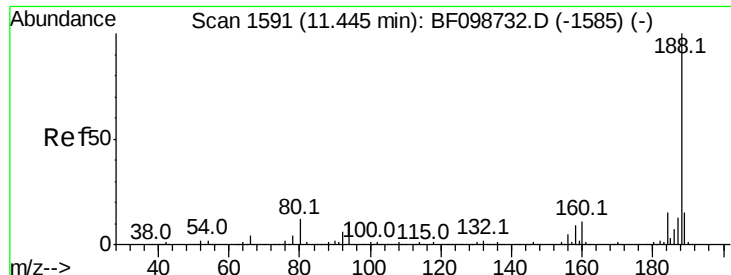
Abundance Ion 165.00 (164.70 to 165.70): E

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

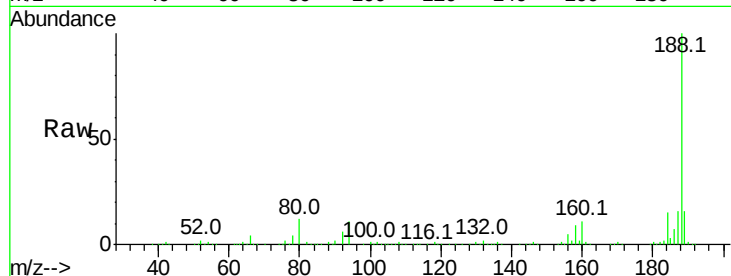




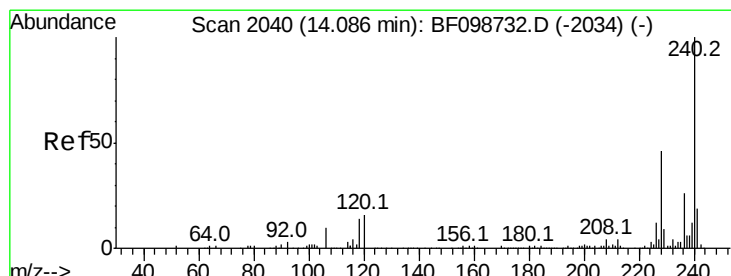
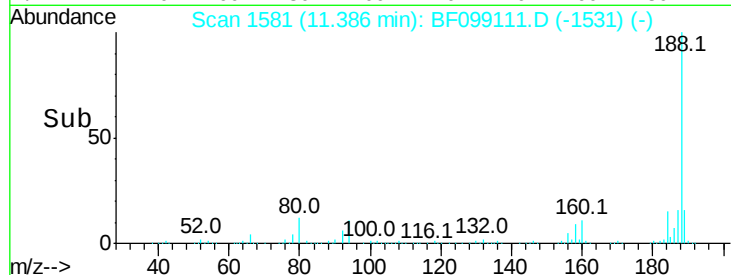
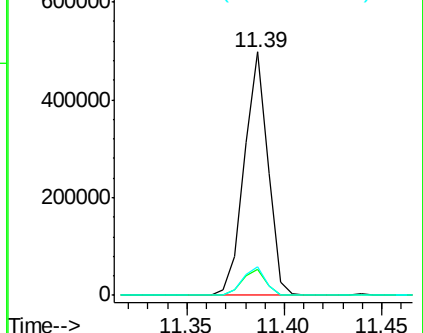
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099111.D
Acq: 5 Oct 2017 18:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 419298
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 11.9 9.2 13.8

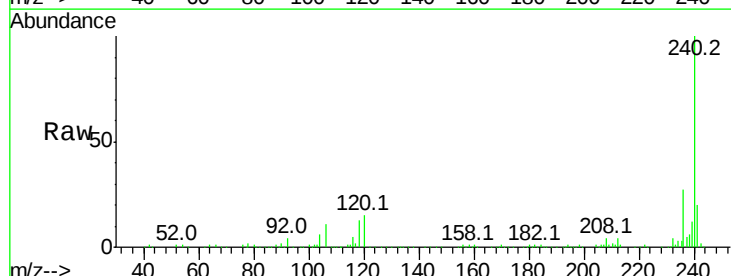


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

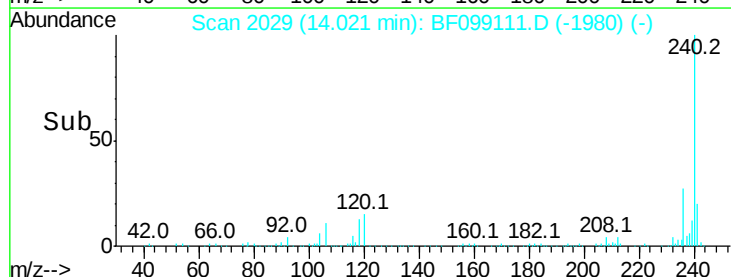
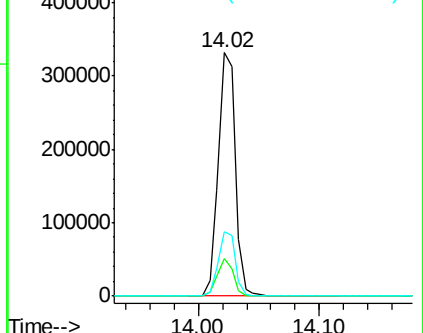


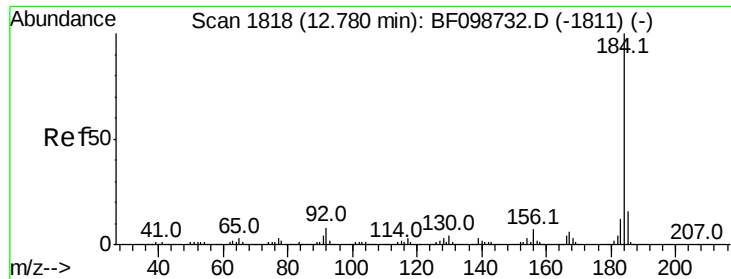
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF099111.D
Acq: 5 Oct 2017 18:53

Tgt Ion:240 Resp: 321337
Ion Ratio Lower Upper
240 100
120 15.4 9.5 14.3#
236 26.6 20.7 31.1



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

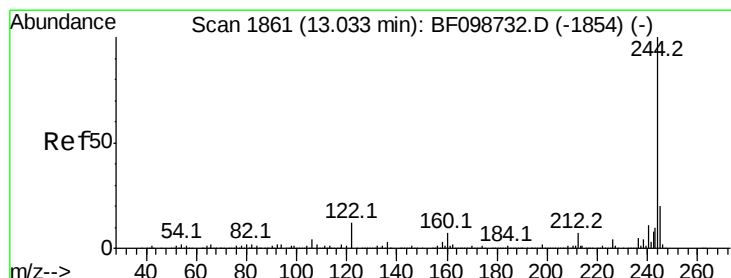
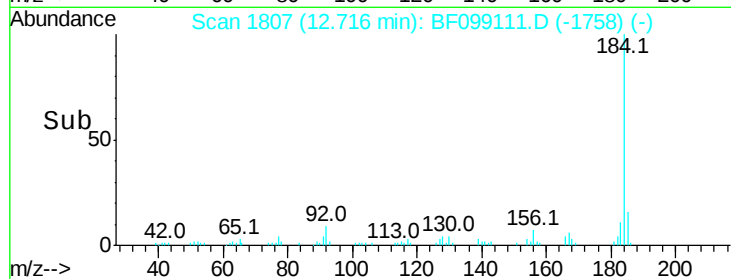
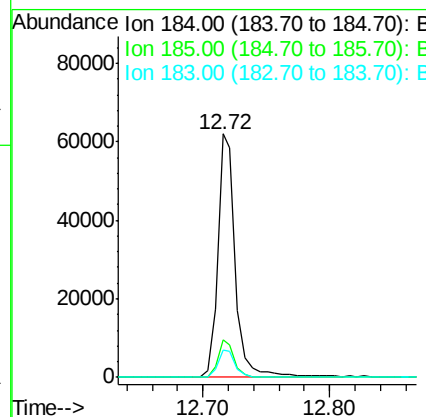
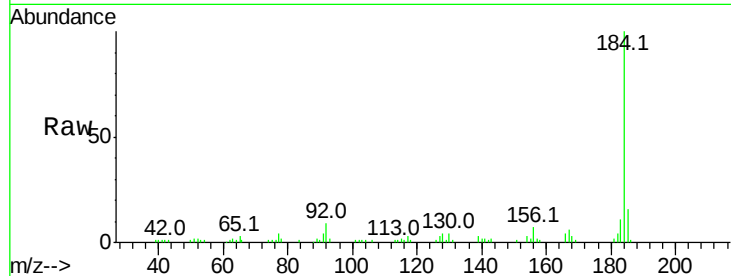




#76
Benzidine
Concen: 5.110 ng
RT: 12.72 min Scan# 1807
Delta R.T. -0.01 min
Lab File: BF099111.D
Acq: 5 Oct 2017 18:53

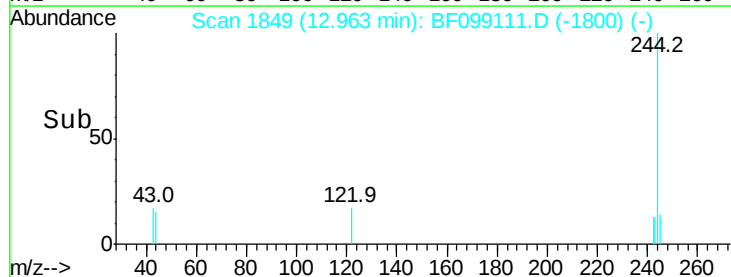
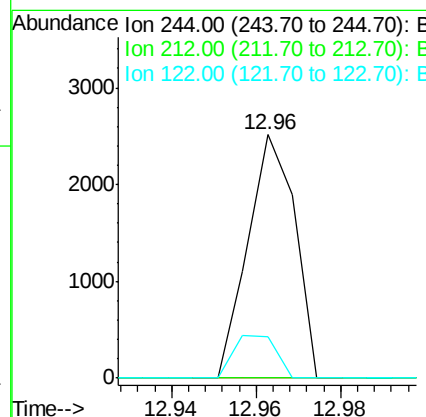
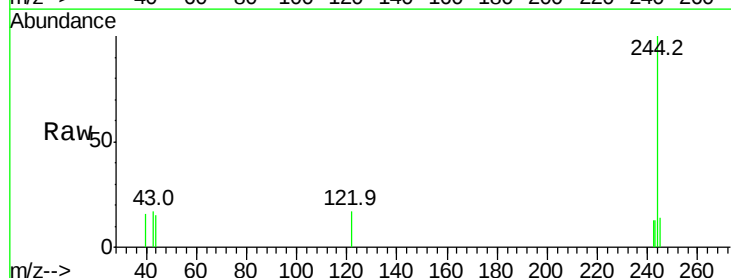
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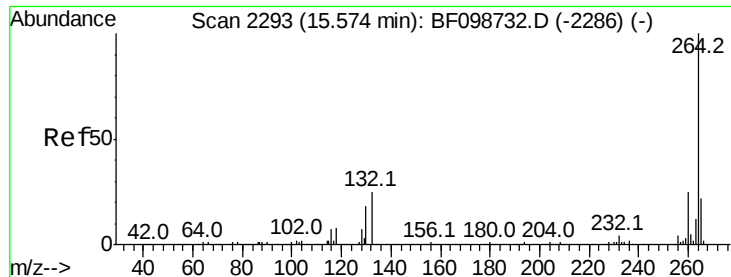
Tot Ion:184 Resp: 60733
Ion Ratio Lower Upper
184 100
185 15.6 12.6 18.8
183 11.4 9.3 13.9



#78
Terphenyl-d14
Concen: 0.138 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF099111.D
Acq: 5 Oct 2017 18:53

Tgt Ion:244 Resp: 1945
Ion Ratio Lower Upper
244 100
212 0.0 5.4 8.0#
122 17.0 11.0 16.4#

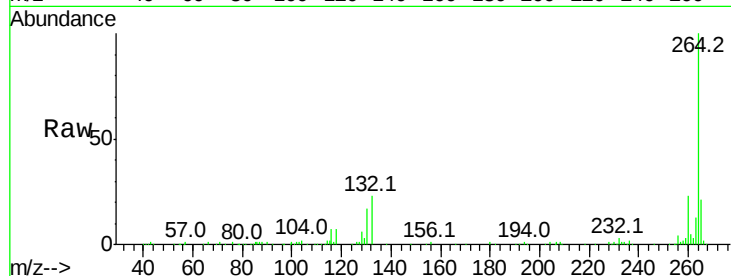




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BF099111.D
 Acq: 5 Oct 2017 18:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.5	17.5	26.3



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

