

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070816\
 Data File : BF088854.D
 Acq On : 9 Jul 2016 5:38
 Operator : UM/SJ
 Sample : H3813-28 50X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 09 06:16:40 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 18:51:20 2016
 Response via : Initial Calibration

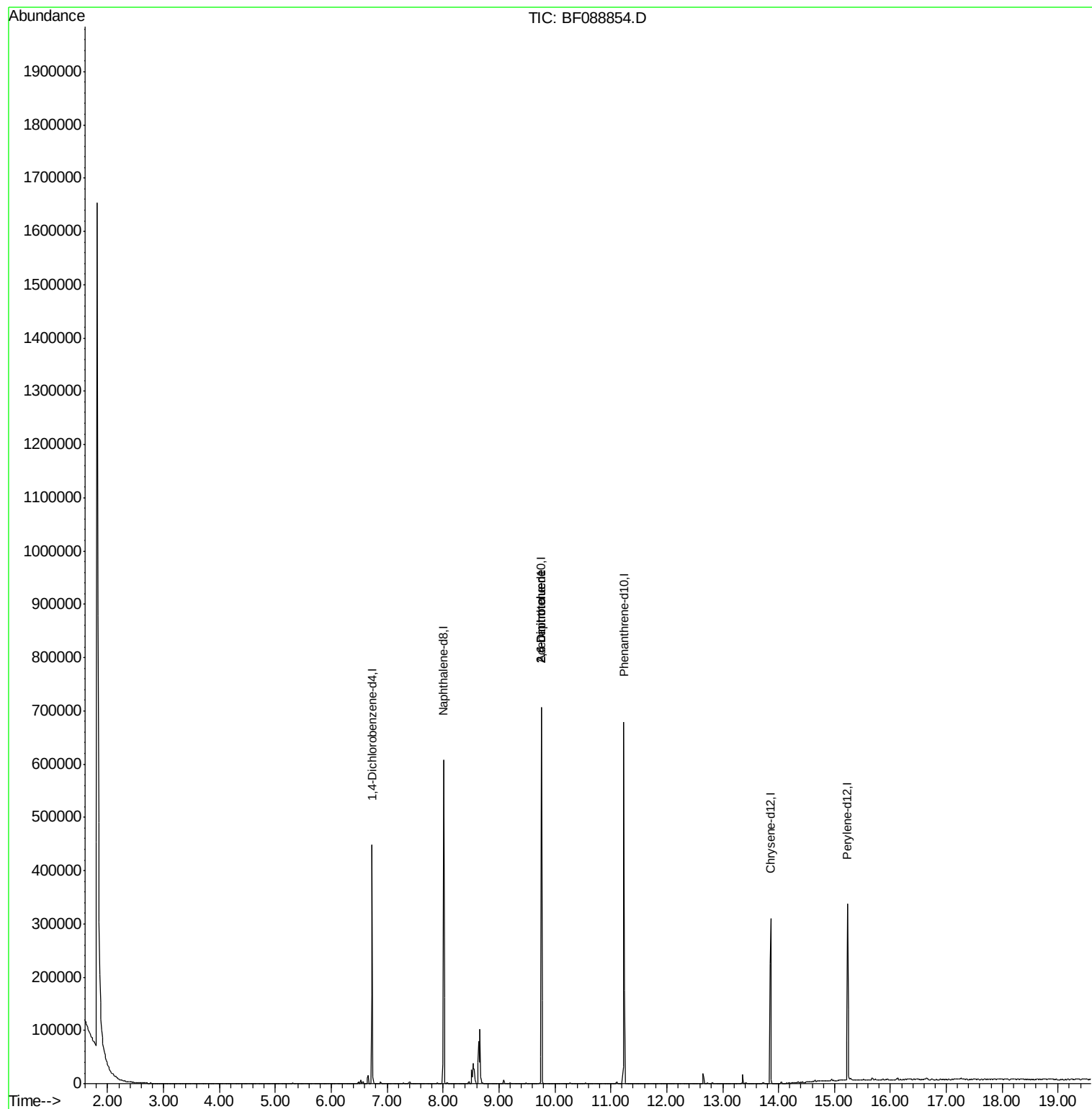
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	73247	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	275748	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	133120	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	243008	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	137743	20.00	ng	-0.01
86) Perylene-d12	15.23	264	140878	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	540	0.11	ng	-0.01
7) Phenol-d6	6.36	99	850	0.13	ng	-0.01
23) Nitrobenzene-d5	7.29	82	1295	0.25	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	388	0.31	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	3458	0.41	ng	-0.01
78) Terphenyl-d14	12.81	244	2269	0.37	ng	-0.01
Target Compounds						
50) 2,6-Dinitrotoluene	9.76	165	17145	8.16	ng	# 39
56) 2,4-Dinitrotoluene	9.76	165	17145	6.24	ng	# 37

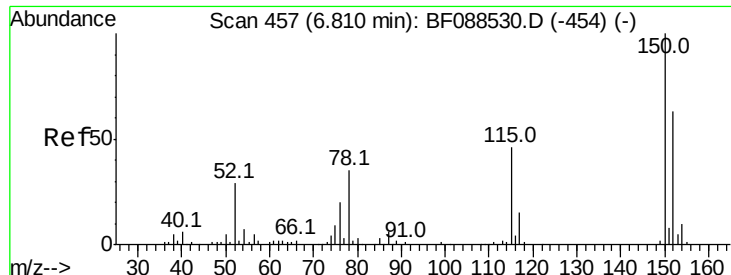
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 450

Delta R.T. 0.00 min

Lab File: BF088854.D

Acq: 9 Jul 2016 5:38

Instrument :

BNA_F

ClientSampleId :

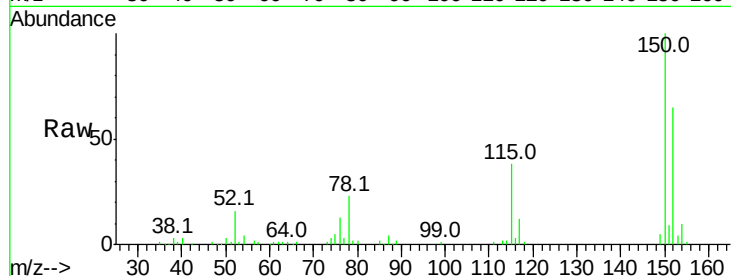
Tot Ion:152 Resp: 73247

Ion Ratio Lower Upper

152 100

150 154.9 123.8 185.6

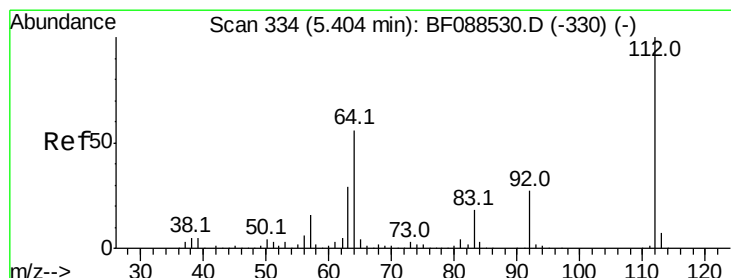
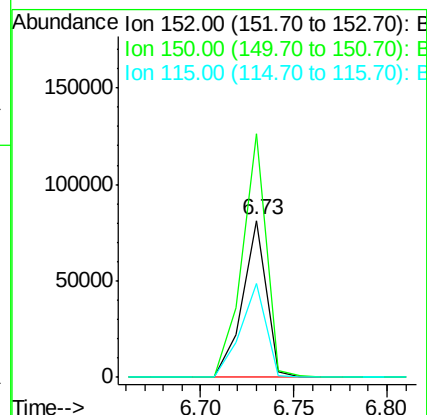
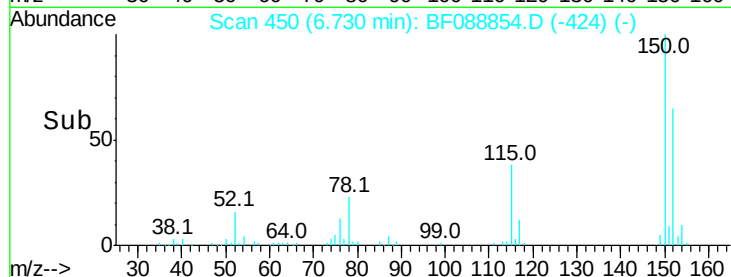
115 59.6 39.6 59.4#



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: 0.11 ng

RT: 5.31 min Scan# 326

Delta R.T. -0.01 min

Lab File: BF088854.D

Acq: 9 Jul 2016 5:38

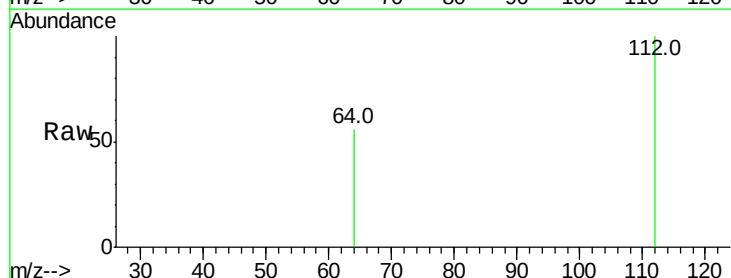
Tgt Ion:112 Resp: 540

Ion Ratio Lower Upper

112 100

64 55.8 42.2 63.2

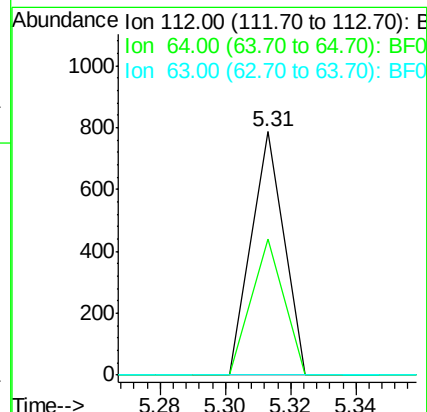
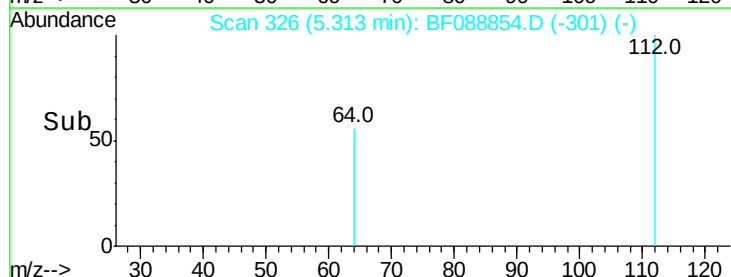
63 0.0 21.8 32.8#

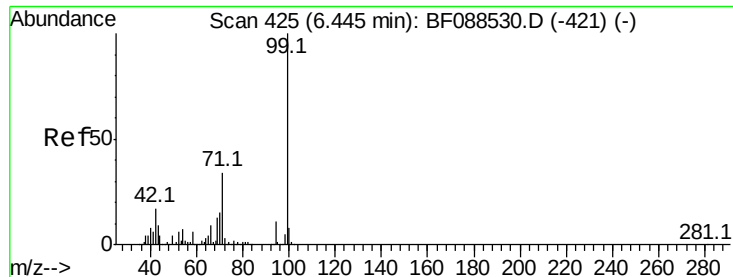


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 0.13 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF088854.D

Acq: 9 Jul 2016 5:38

Instrument :

BNA_F

ClientSampleId :

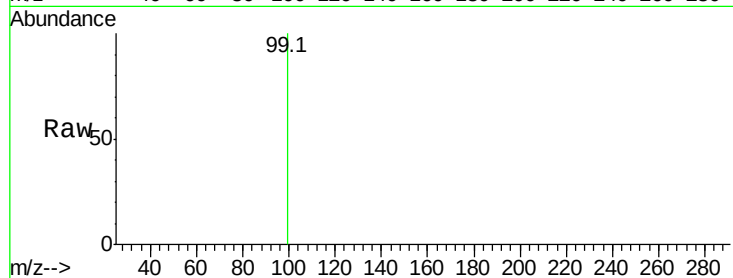
Tot Ion: 99 Resp: 850

Ion Ratio Lower Upper

99 100

42 0.0 12.2 18.2#

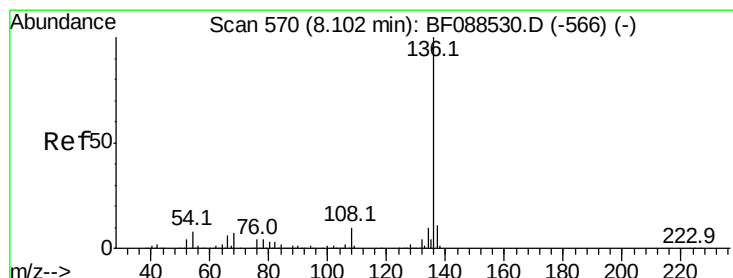
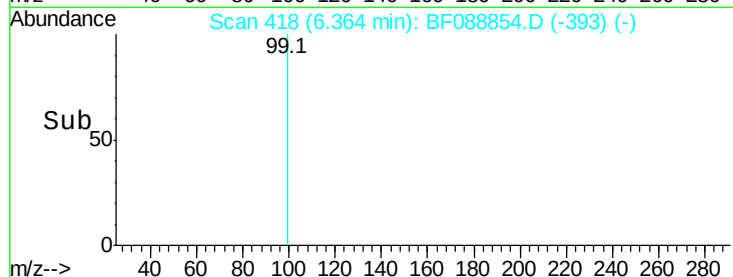
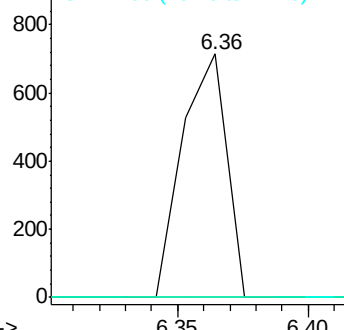
71 0.0 23.4 35.0#



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: 8.01 min Scan# 562

Delta R.T. -0.01 min

Lab File: BF088854.D

Acq: 9 Jul 2016 5:38

Tgt Ion: 136 Resp: 275748

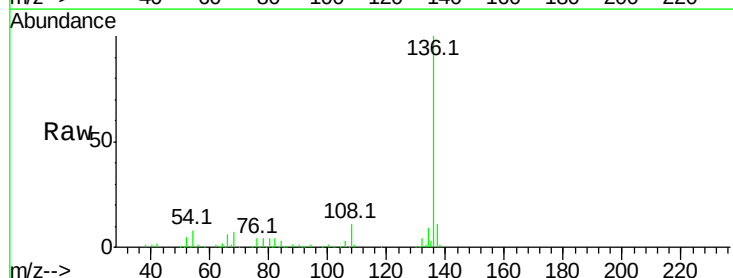
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 8.5 6.6 10.0

68 6.8 5.1 7.7

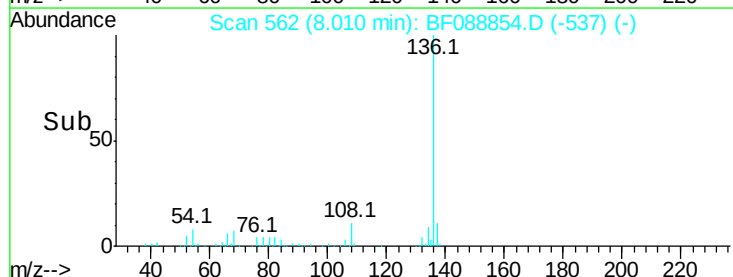
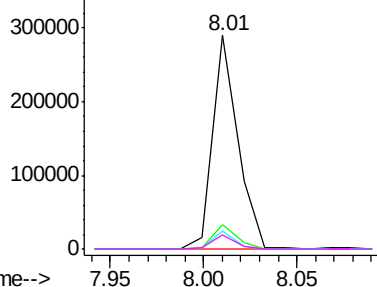


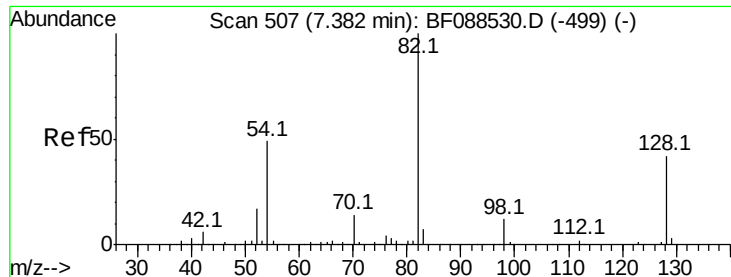
Abundance Ion 136.00 (135.70 to 136.70): E

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

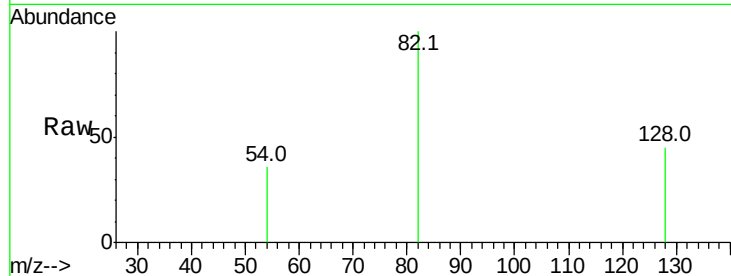




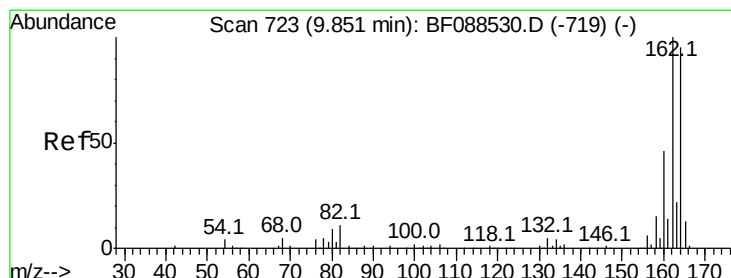
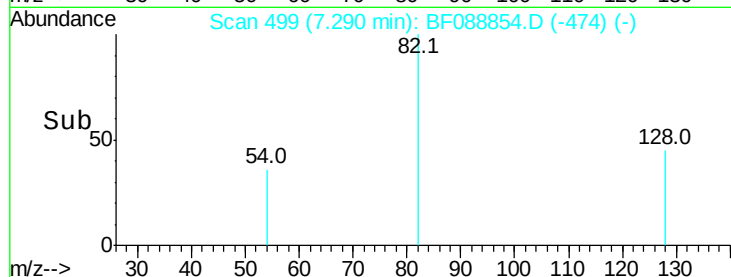
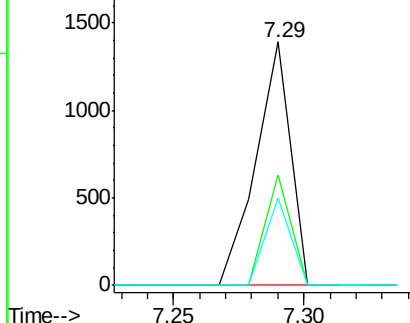
#23
 Nitrobenzene-d5
 Concen: 0.25 ng
 RT: 7.29 min Scan# 499
 Delta R.T. -0.01 min
 Lab File: BF088854.D
 Acq: 9 Jul 2016 5:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	1295
Ion Ratio	Lower	Upper	
82	100		
128	45.2	35.9	53.9
54	36.0	40.9	61.3#

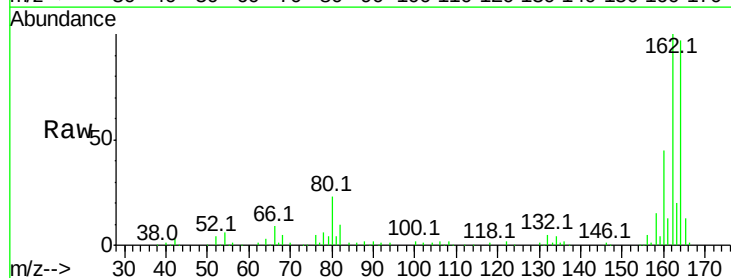


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

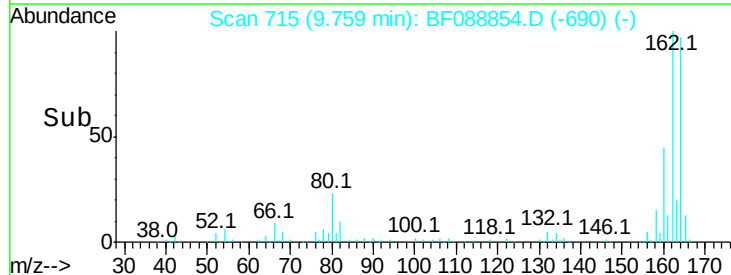
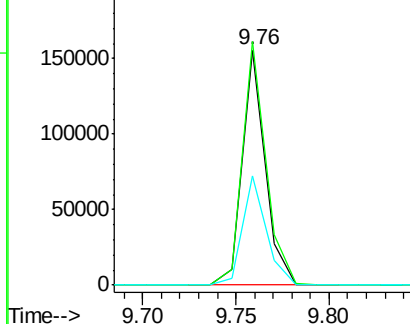


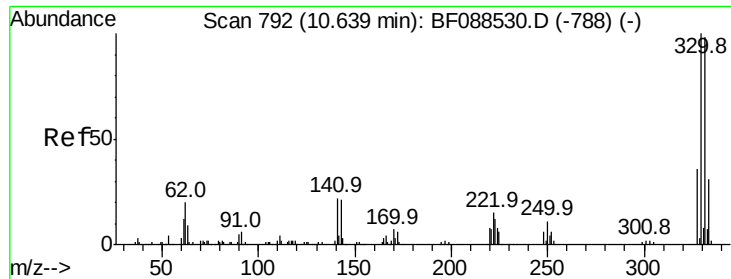
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.76 min Scan# 715
 Delta R.T. -0.01 min
 Lab File: BF088854.D
 Acq: 9 Jul 2016 5:38

Tgt Ion	164	Resp	133120
Ion Ratio	Lower	Upper	
164	100		
162	103.6	85.4	128.2
160	46.5	39.5	59.3



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

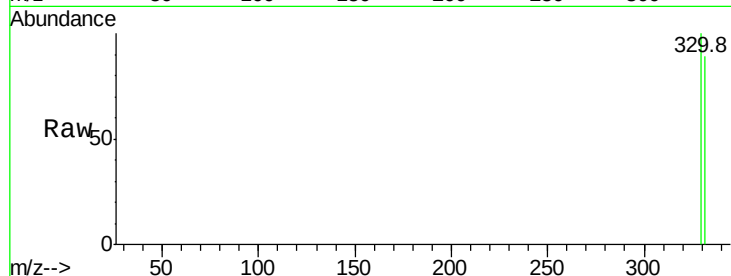




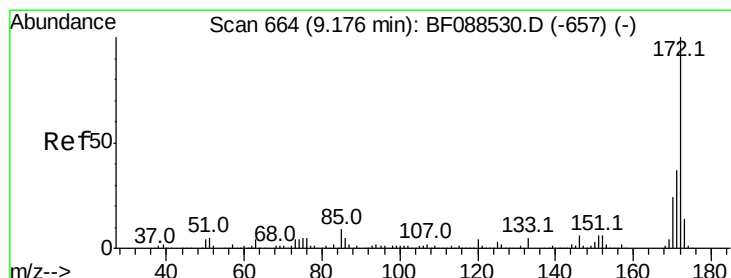
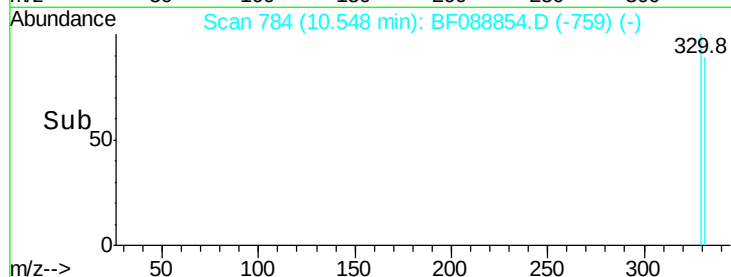
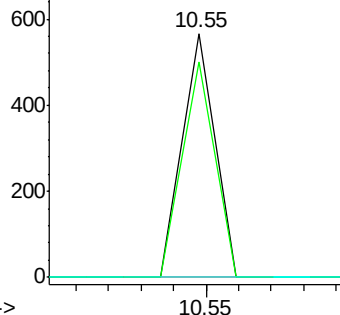
#41
 2,4,6-Tribromophenol
 Concen: 0.31 ng
 RT: 10.55 min Scan# 784
 Delta R.T. -0.01 min
 Lab File: BF088854.D
 Acq: 9 Jul 2016 5:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 388
 Ion Ratio Lower Upper
 330 100
 332 88.7 0.0 0.0#
 141 0.0 0.0 0.0

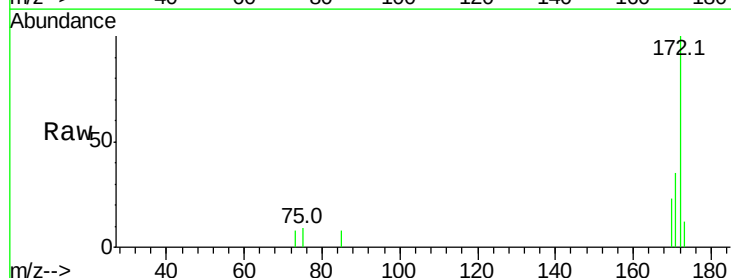


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

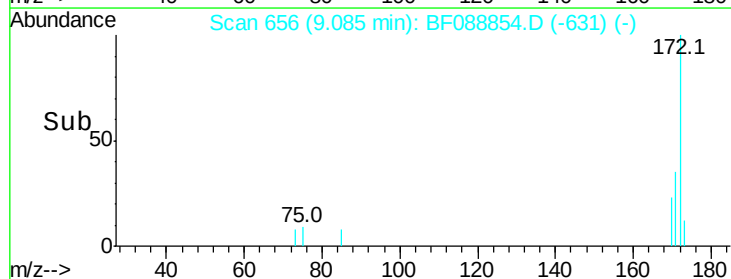
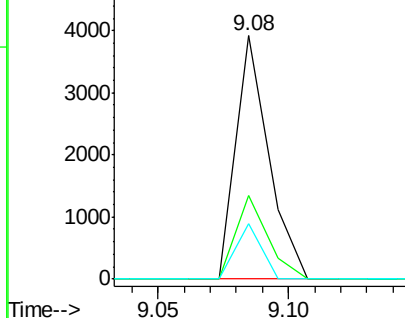


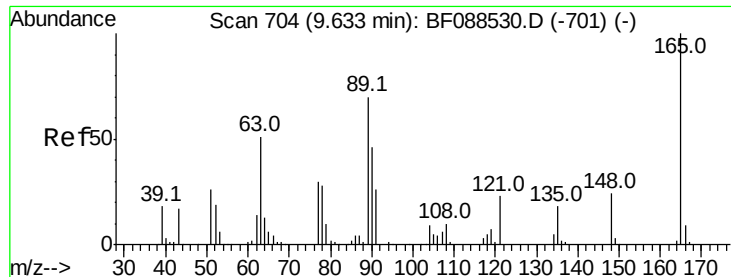
#44
 2-Fluorobiphenyl
 Concen: 0.41 ng
 RT: 9.08 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: BF088854.D
 Acq: 9 Jul 2016 5:38

Tgt Ion:172 Resp: 3458
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.6 43.0
 170 22.7 19.2 28.8



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

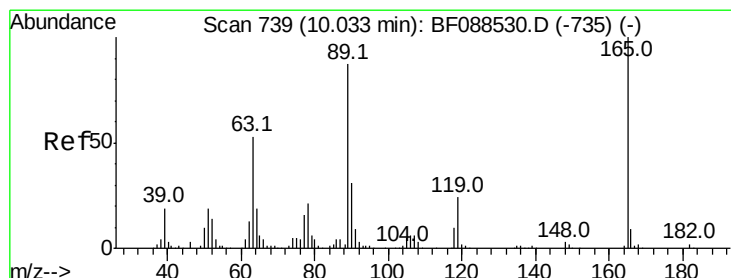
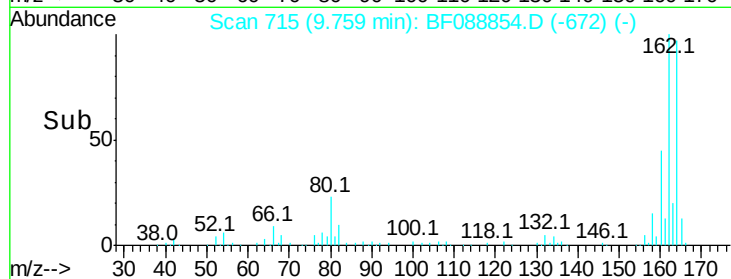
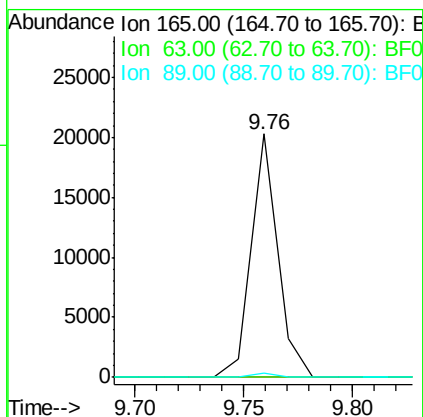
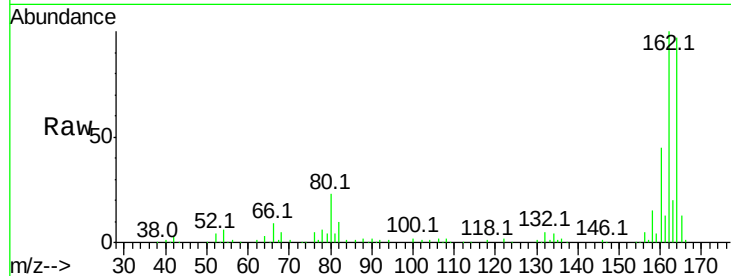




#50
 2,6-Dinitrotoluene
 Concen: 8.16 ng
 RT: 9.76 min Scan# 715
 Delta R.T. 0.19 min
 Lab File: BF088854.D
 Acq: 9 Jul 2016 5:38

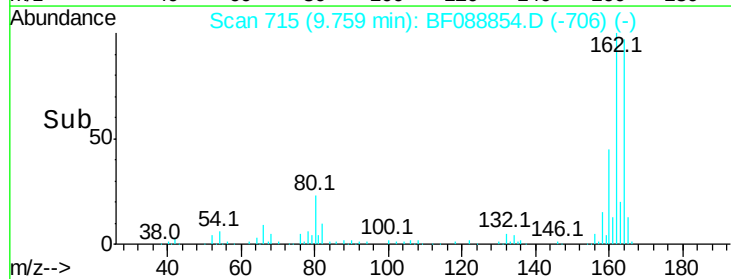
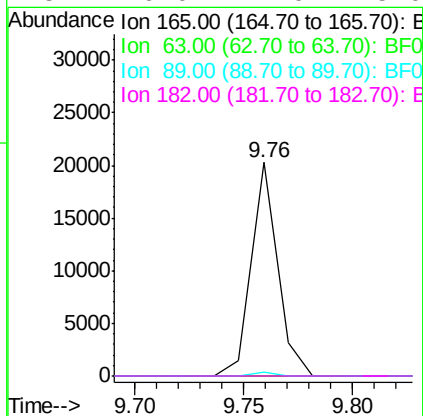
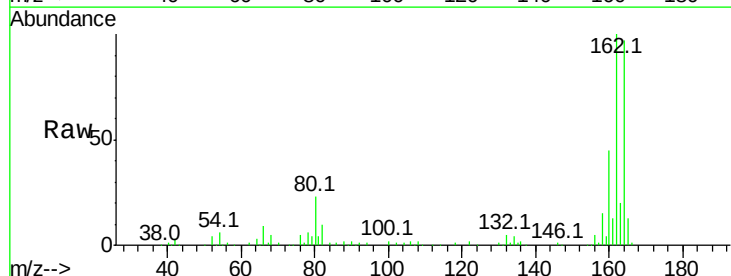
Instrument :
 BNA_F
 ClientSampleId :

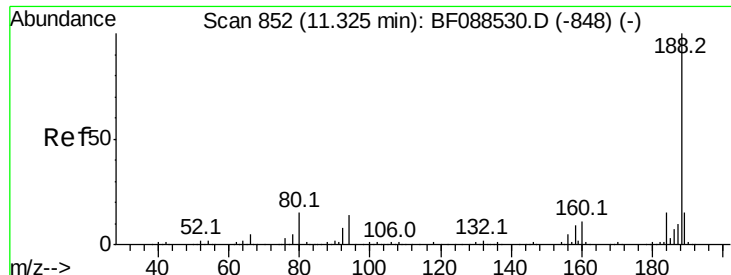
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	1.6	32.2	48.2#



#56
 2,4-Dinitrotoluene
 Concen: 6.24 ng
 RT: 9.76 min Scan# 715
 Delta R.T. -0.19 min
 Lab File: BF088854.D
 Acq: 9 Jul 2016 5:38

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	1.6	41.1	61.7#
182	0.0	2.0	3.0#

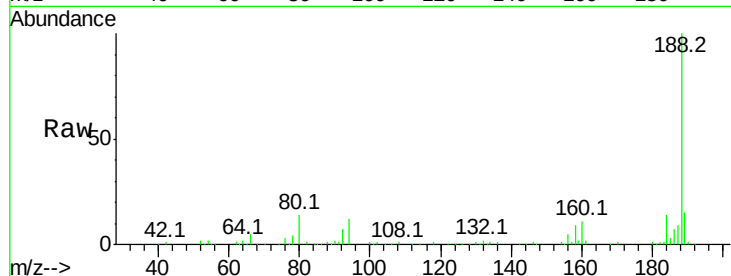




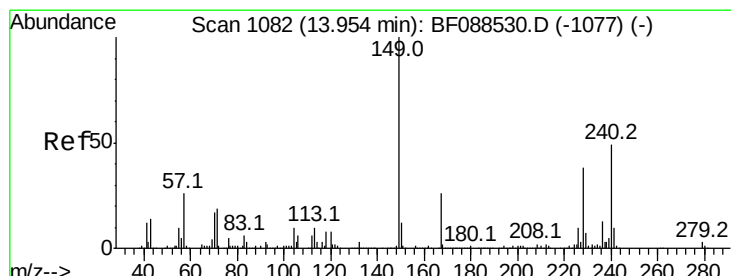
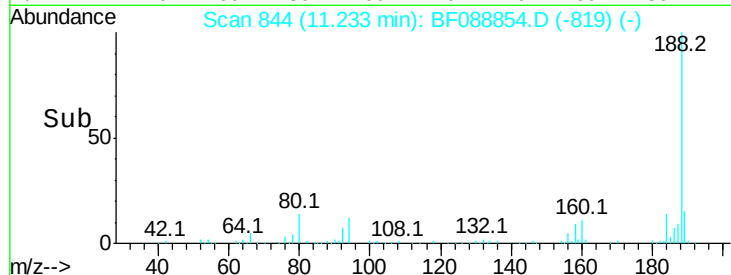
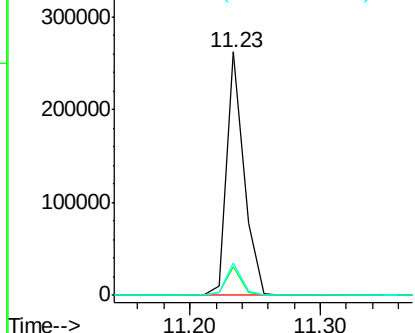
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF088854.D
Acq: 9 Jul 2016 5:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 243008
Ion Ratio Lower Upper
188 100
94 11.9 9.0 13.6
80 13.5 10.0 15.0

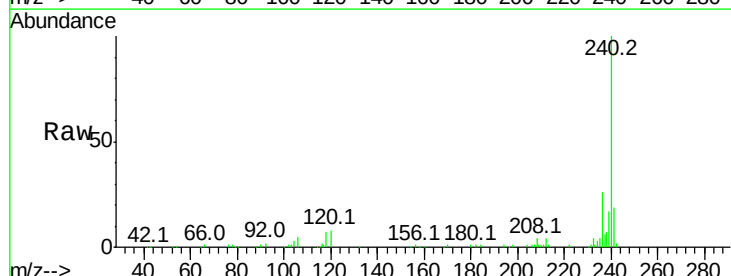


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

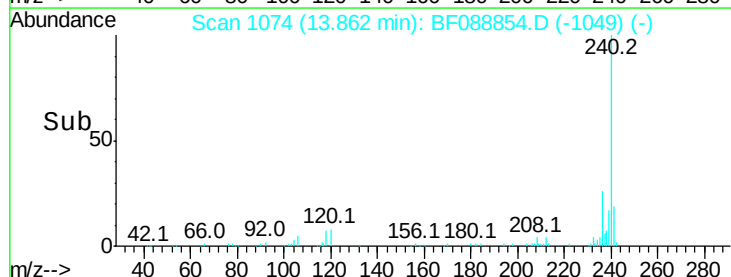
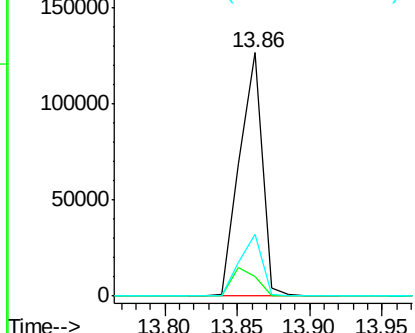


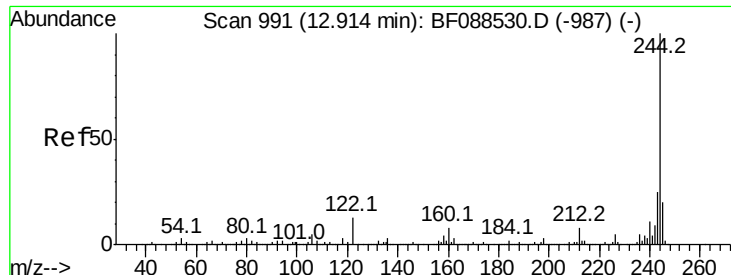
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.86 min Scan# 1074
Delta R.T. -0.01 min
Lab File: BF088854.D
Acq: 9 Jul 2016 5:38

Tgt Ion:240 Resp: 137743
Ion Ratio Lower Upper
240 100
120 8.0 6.8 10.2
236 25.7 20.2 30.2



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: 0.37 ng

RT: 12.81 min Scan# 982

Delta R.T. -0.01 min

Lab File: BF088854.D

Acq: 9 Jul 2016 5:38

Instrument :

BNA_F

ClientSampleId :

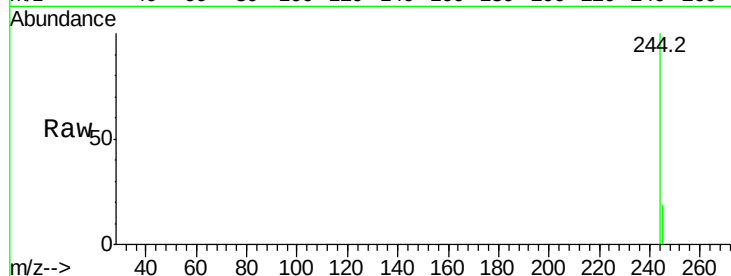
Tot Ion:244 Resp: 2269

Ion Ratio Lower Upper

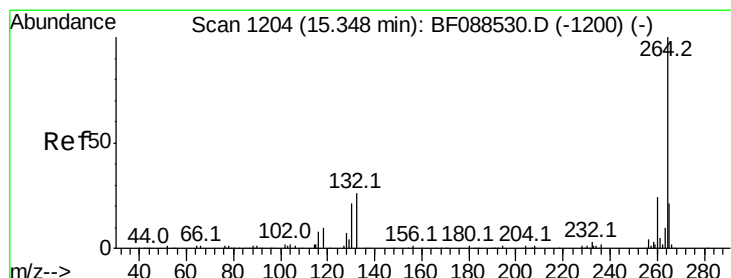
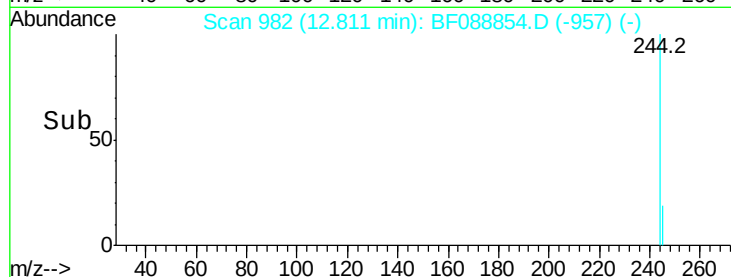
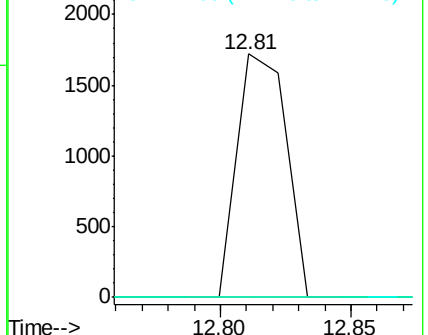
244 100

212 0.0 6.0 9.0#

122 0.0 11.2 16.8#



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: 15.23 min Scan# 1194

Delta R.T. -0.01 min

Lab File: BF088854.D

Acq: 9 Jul 2016 5:38

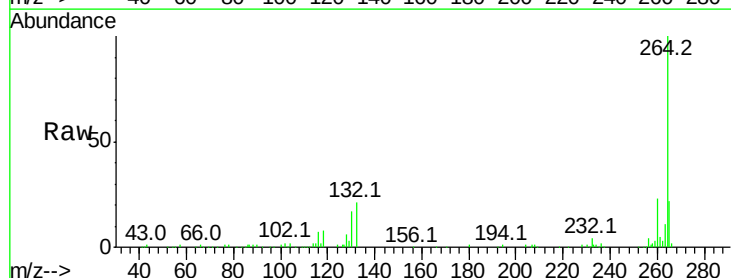
Tgt Ion:264 Resp: 140878

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.6 16.9 25.3



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

