

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070916\
 Data File : BF088878.D
 Acq On : 9 Jul 2016 18:35
 Operator : UM/SJ
 Sample : H3813-11 25X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS002-0006-01

Quant Time: Jul 11 04:35:42 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

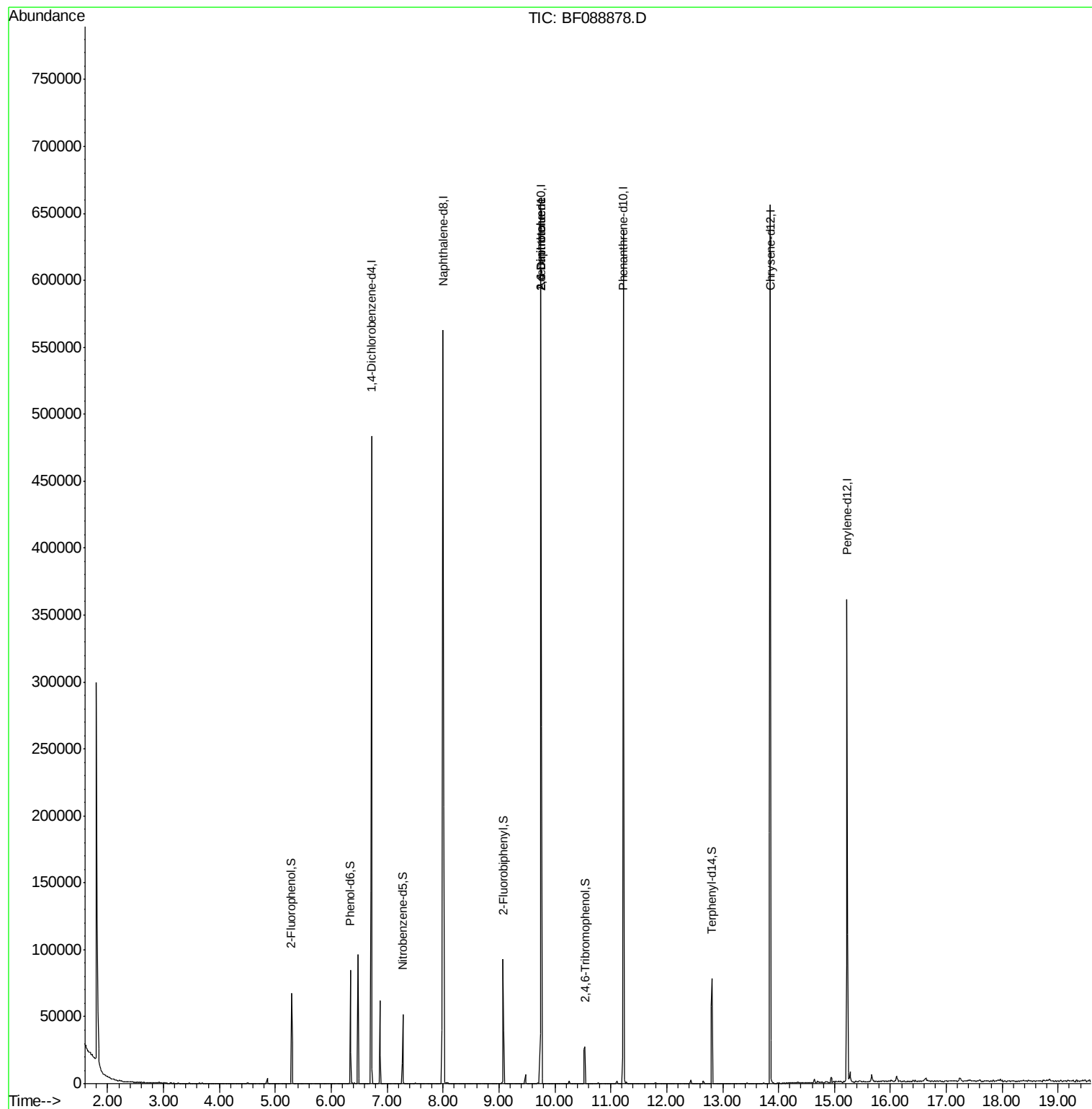
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	74736	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	279527	20.00	ng	-0.02
38) Acenaphthene-d10	9.75	164	138196	20.00	ng	-0.02
63) Phenanthrene-d10	11.22	188	270701	20.00	ng	-0.02
75) Chrysene-d12	13.85	240	218377	20.00	ng	-0.02
86) Perylene-d12	15.22	264	147207	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	22039	4.42	ng	-0.03
7) Phenol-d6	6.34	99	28820	4.47	ng	-0.03
23) Nitrobenzene-d5	7.28	82	17726	3.32	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	5831	4.54	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	35750	4.09	ng	-0.02
78) Terphenyl-d14	12.81	244	34341	3.50	ng	-0.01
Target Compounds						
50) 2,6-Dinitrotoluene	9.75	165	17487	8.01	ng	# 37
56) 2,4-Dinitrotoluene	9.75	165	17487	6.13	ng	# 36

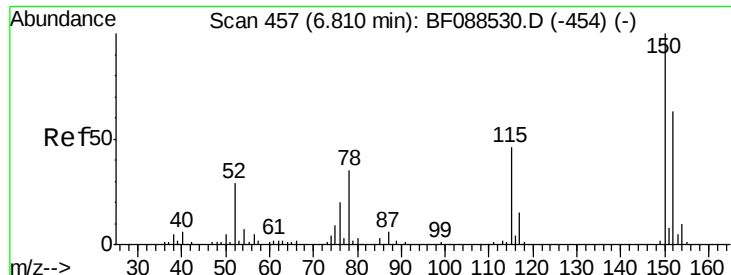
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 449

Delta R.T. -0.01 min

Lab File: BF088878.D

Acq: 9 Jul 2016 18:35

Instrument :

BNA_F

ClientSampleId :

P001-SS002-0006-01

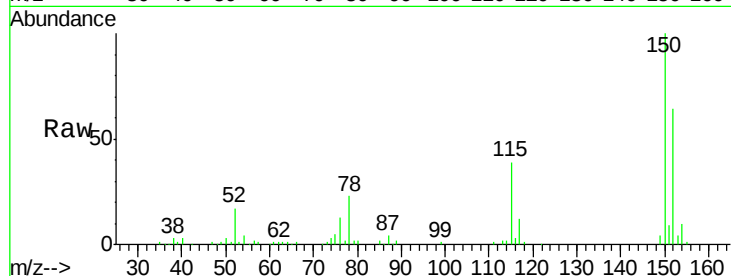
Tgt Ion:152 Resp: 74736

Ion Ratio Lower Upper

152 100

150 155.3 123.8 185.6

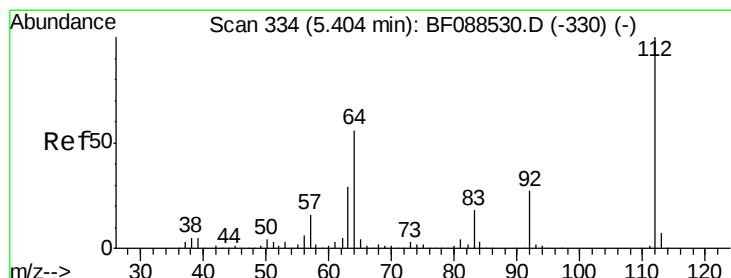
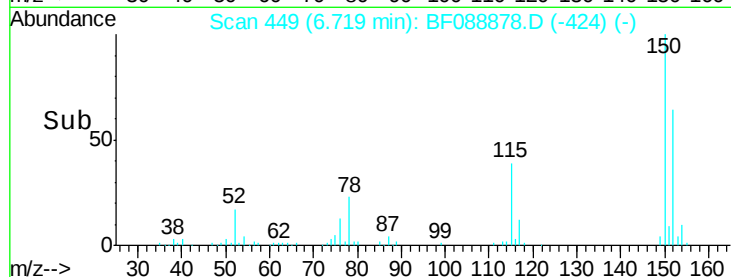
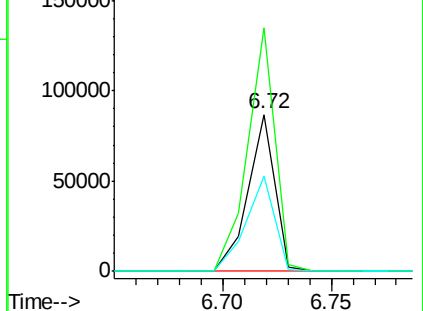
115 60.6 39.6 59.4#



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: 4.42 ng

RT: 5.29 min Scan# 324

Delta R.T. -0.03 min

Lab File: BF088878.D

Acq: 9 Jul 2016 18:35

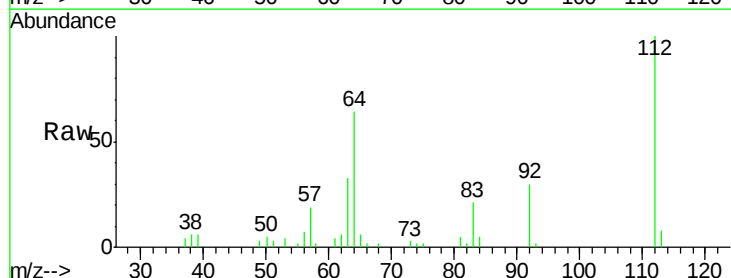
Tgt Ion:112 Resp: 22039

Ion Ratio Lower Upper

112 100

64 64.0 42.2 63.2#

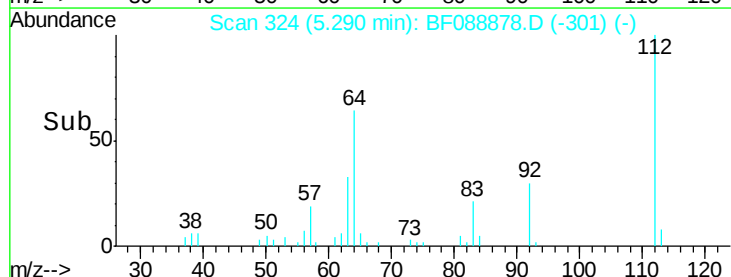
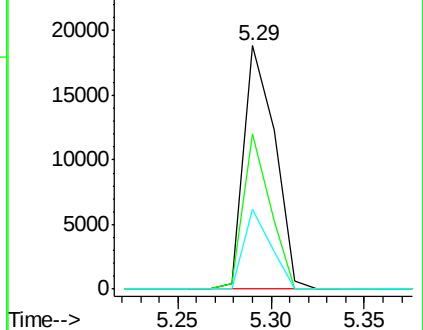
63 32.9 21.8 32.8#



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: 4.47 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.03 min

Lab File: BF088878.D

Acq: 9 Jul 2016 18:35

Instrument :

BNA_F

ClientSampleId :

P001-SS002-0006-01

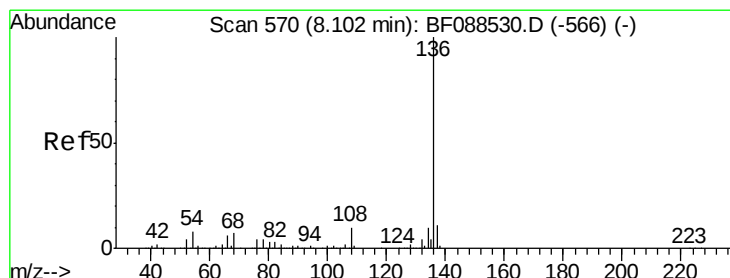
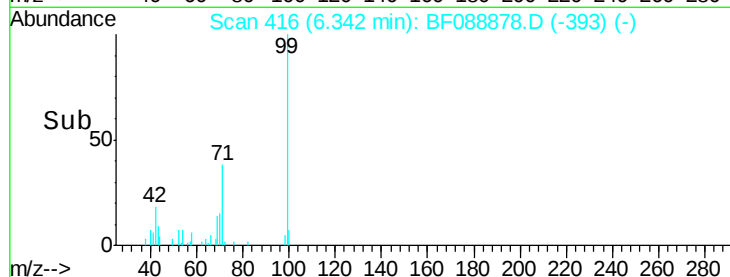
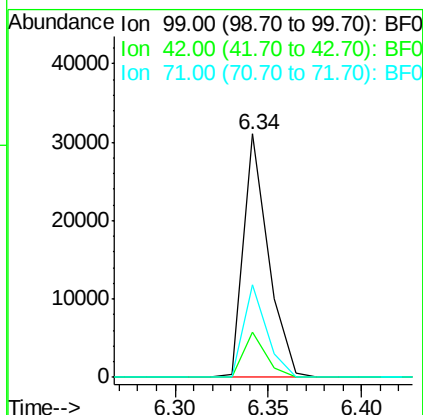
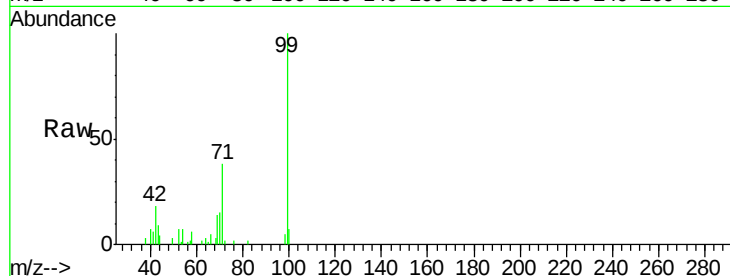
Tgt Ion: 99 Resp: 28820

Ion Ratio Lower Upper

99 100

42 18.3 12.2 18.2#

71 38.2 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 561

Delta R.T. -0.02 min

Lab File: BF088878.D

Acq: 9 Jul 2016 18:35

Tgt Ion: 136 Resp: 279527

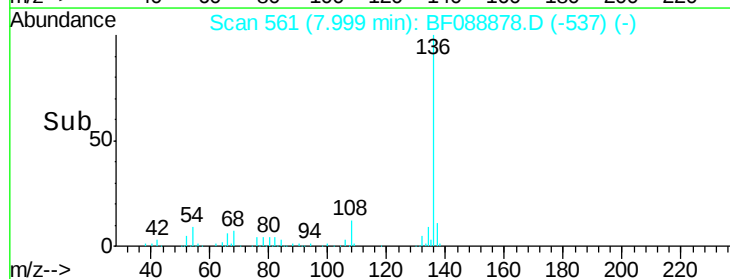
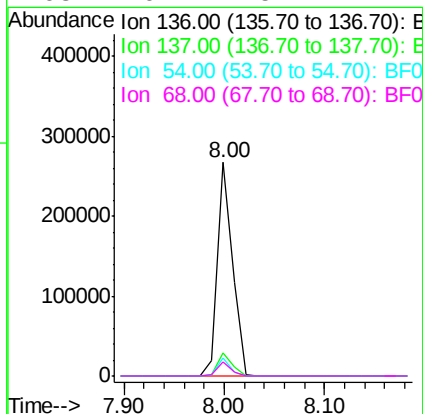
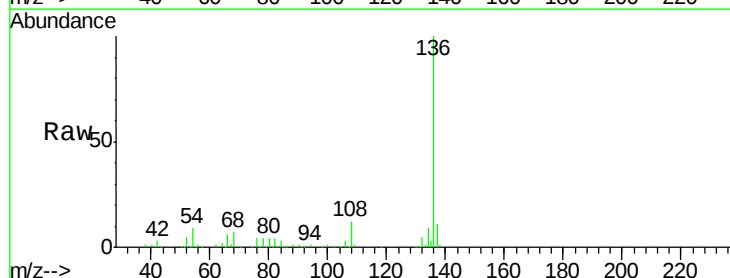
Ion Ratio Lower Upper

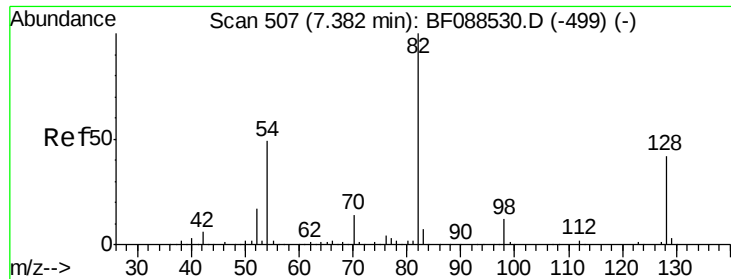
136 100

137 11.1 9.1 13.7

54 8.6 6.6 10.0

68 6.7 5.1 7.7

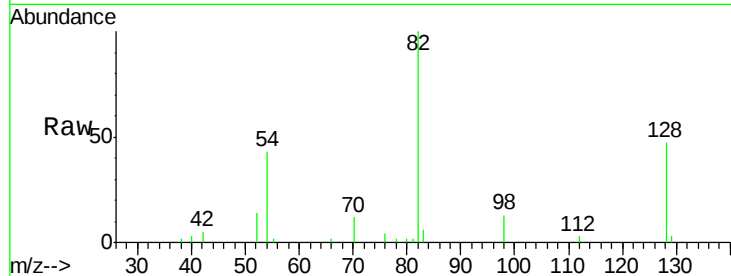




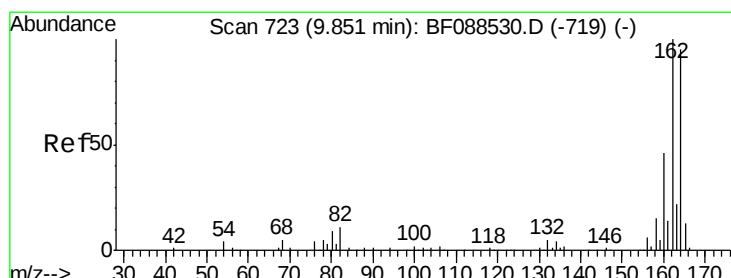
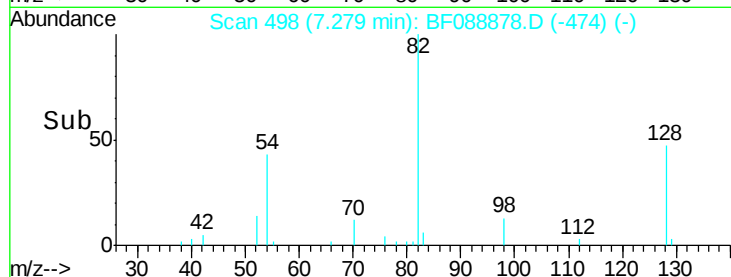
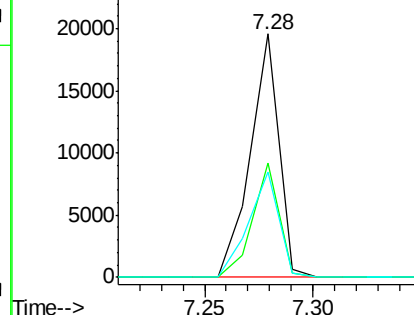
#23
 Nitrobenzene-d5
 Concen: 3.32 ng
 RT: 7.28 min Scan# 498
 Delta R.T. -0.02 min
 Lab File: BF088878.D
 Acq: 9 Jul 2016 18:35

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS002-0006-01

Tgt Ion: 82 Resp: 17726
 Ion Ratio Lower Upper
 82 100
 128 46.8 35.9 53.9
 54 43.2 40.9 61.3

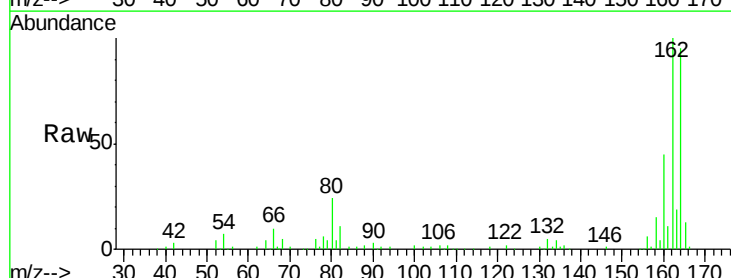


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

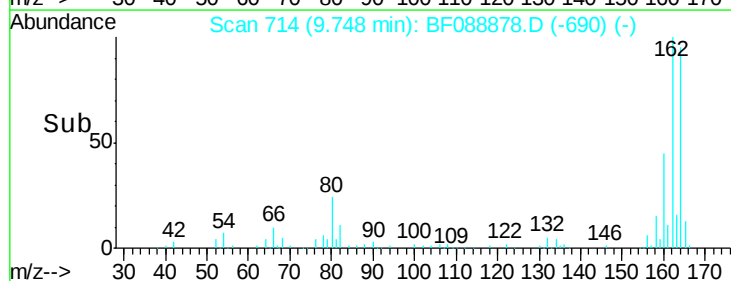
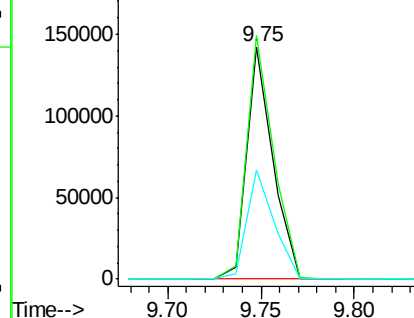


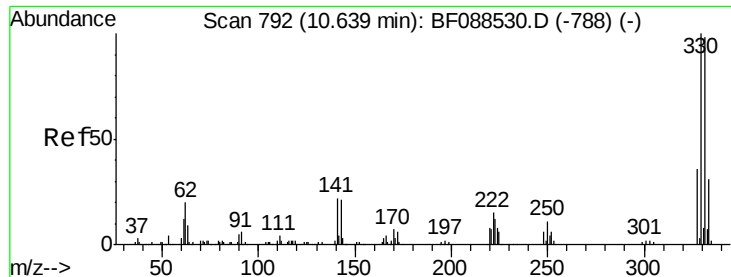
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.75 min Scan# 714
 Delta R.T. -0.02 min
 Lab File: BF088878.D
 Acq: 9 Jul 2016 18:35

Tgt Ion: 164 Resp: 138196
 Ion Ratio Lower Upper
 164 100
 162 104.9 85.4 128.2
 160 46.9 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

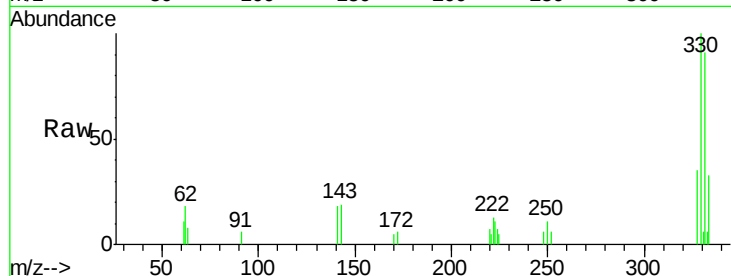




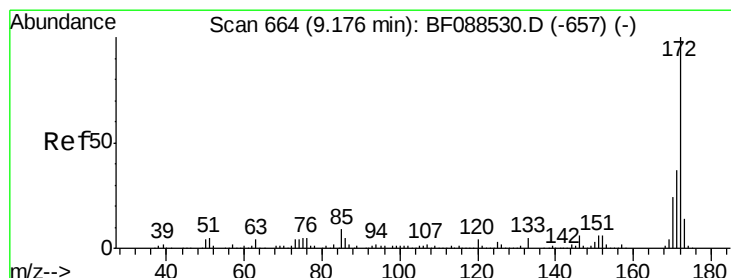
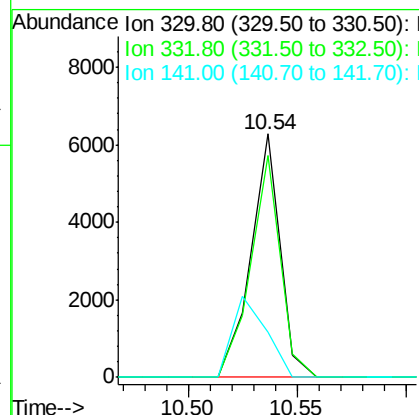
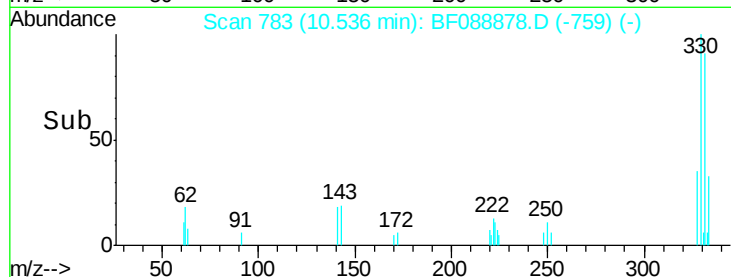
#41
 2,4,6-Tribromophenol
 Concen: 4.54 ng
 RT: 10.54 min Scan# 783
 Delta R.T. -0.02 min
 Lab File: BF088878.D
 Acq: 9 Jul 2016 18:35

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS002-0006-01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.1	0.0	0.0#
141	38.3	0.0	0.0#

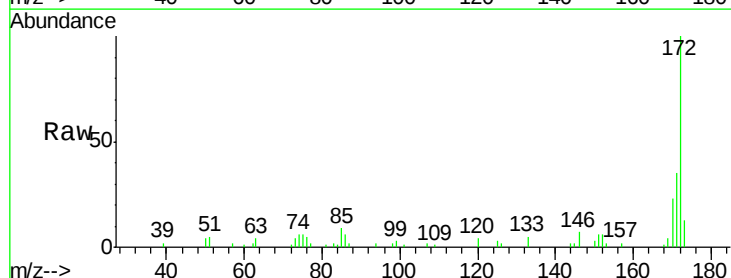


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

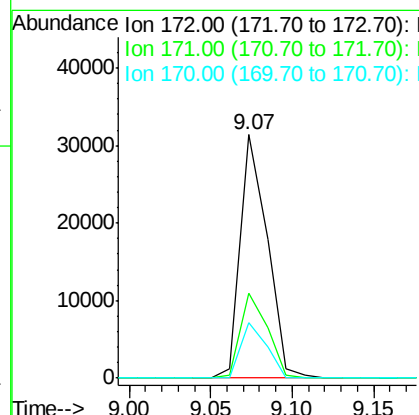
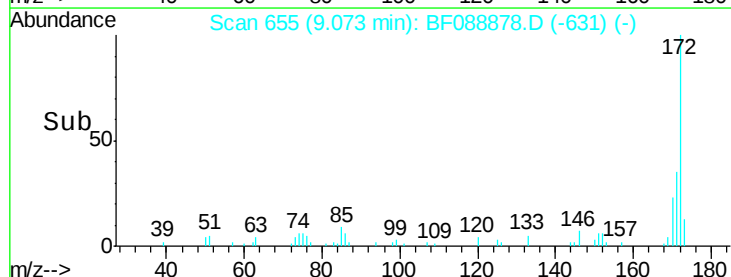


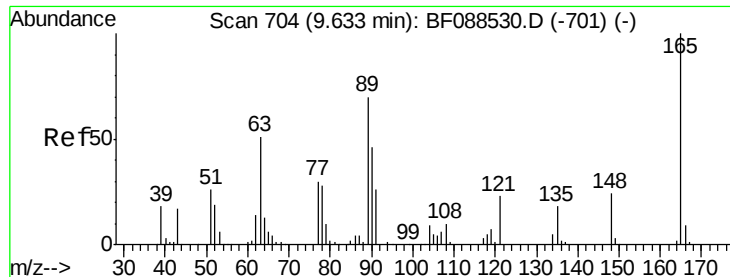
#44
 2-Fluorobiphenyl
 Concen: 4.09 ng
 RT: 9.07 min Scan# 655
 Delta R.T. -0.02 min
 Lab File: BF088878.D
 Acq: 9 Jul 2016 18:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	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

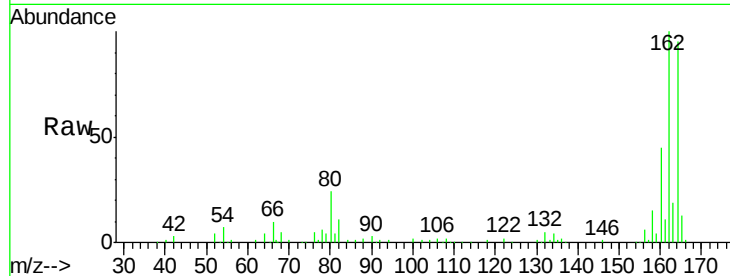




#50
 2,6-Dinitrotoluene
 Concen: 8.01 ng
 RT: 9.75 min Scan# 714
 Delta R.T. 0.18 min
 Lab File: BF088878.D
 Acq: 9 Jul 2016 18:35

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS002-0006-01

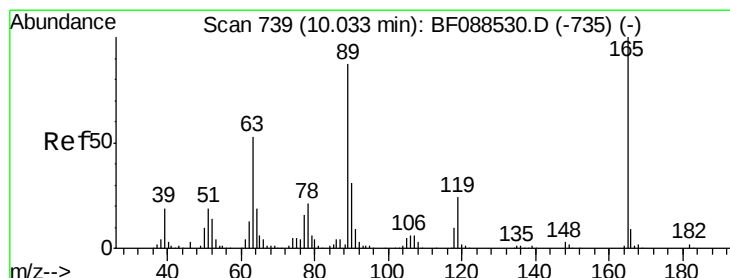
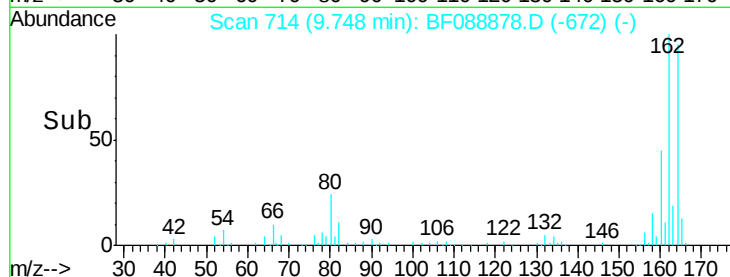
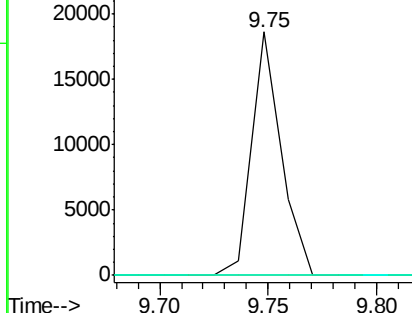
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



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: 6.13 ng
 RT: 9.75 min Scan# 714
 Delta R.T. -0.21 min
 Lab File: BF088878.D
 Acq: 9 Jul 2016 18:35

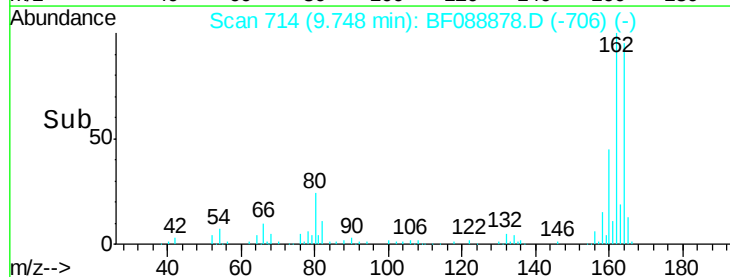
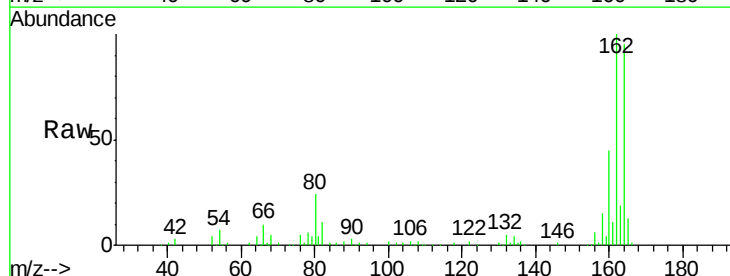
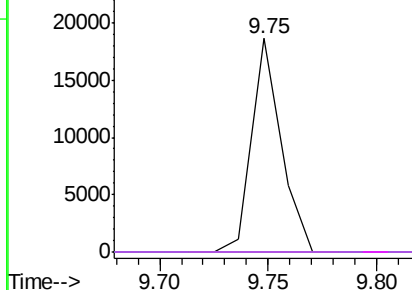
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

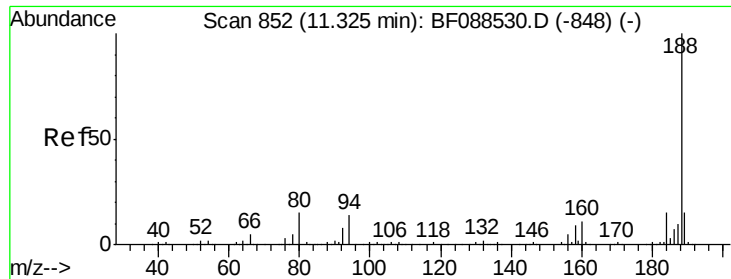
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

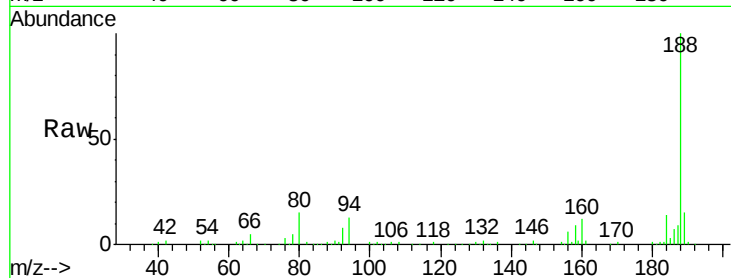




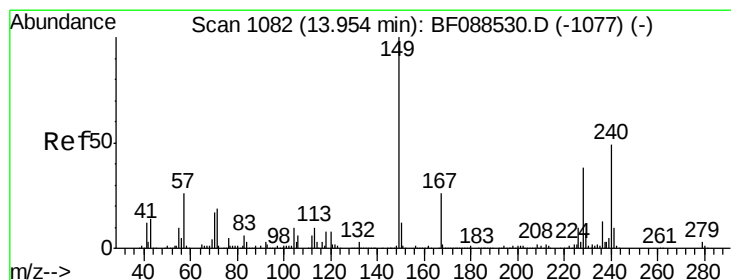
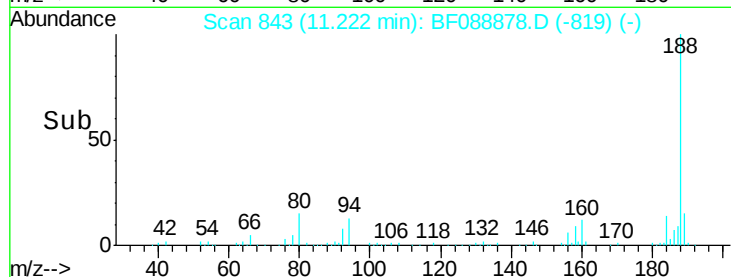
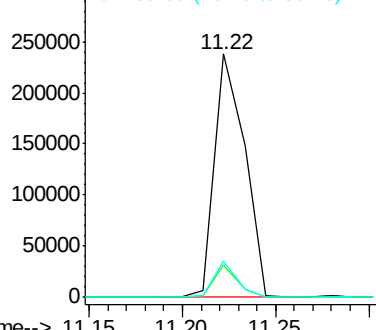
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 843
Delta R.T. -0.02 min
Lab File: BF088878.D
Acq: 9 Jul 2016 18:35

Instrument :
BNA_F
ClientSampleId :
P001-SS002-0006-01

Tgt Ion:188 Resp: 270701
Ion Ratio Lower Upper
188 100
94 13.1 9.0 13.6
80 15.1 10.0 15.0#

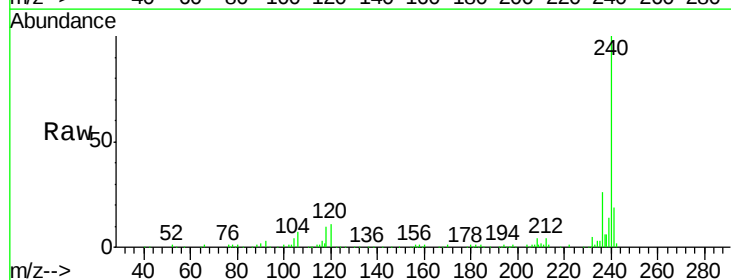


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

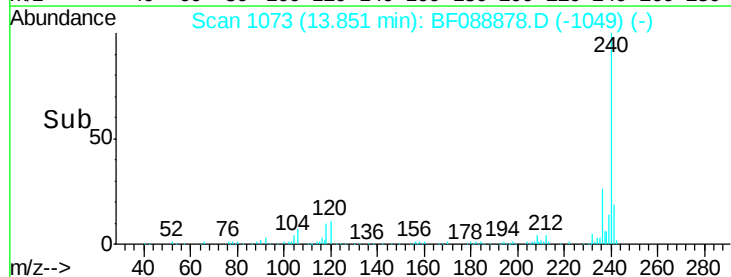
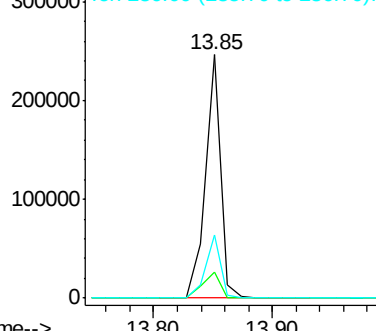


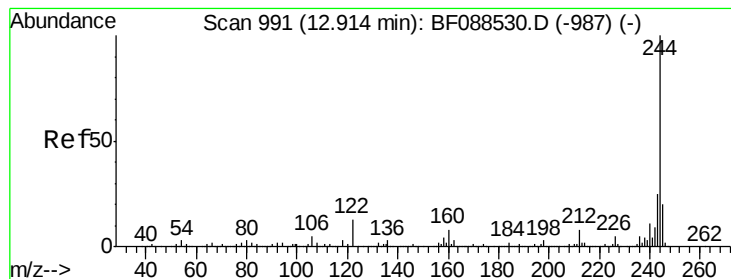
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.85 min Scan# 1073
Delta R.T. -0.02 min
Lab File: BF088878.D
Acq: 9 Jul 2016 18:35

Tgt Ion:240 Resp: 218377
Ion Ratio Lower Upper
240 100
120 10.6 6.8 10.2#
236 25.8 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: 3.50 ng

RT: 12.81 min Scan# 982

Delta R.T. -0.01 min

Lab File: BF088878.D

Acq: 9 Jul 2016 18:35

Instrument :

BNA_F

ClientSampleId :

P001-SS002-0006-01

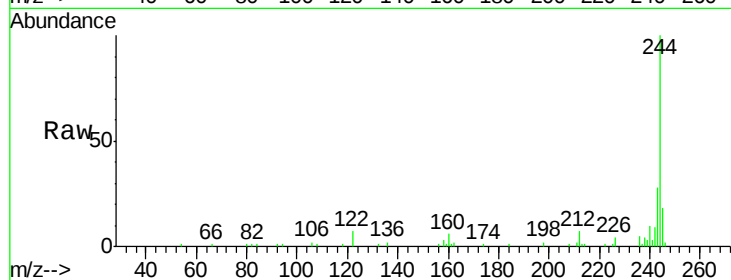
Tgt Ion:244 Resp: 34341

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

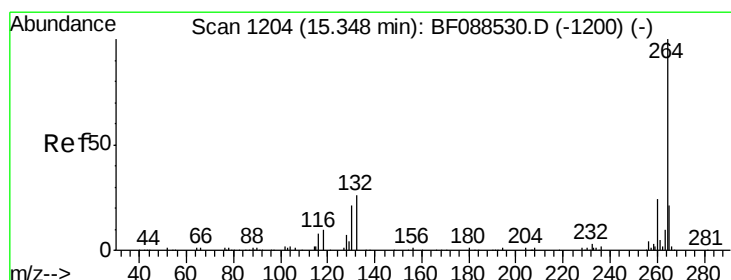
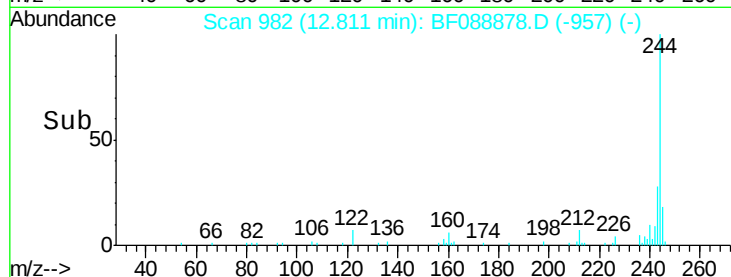
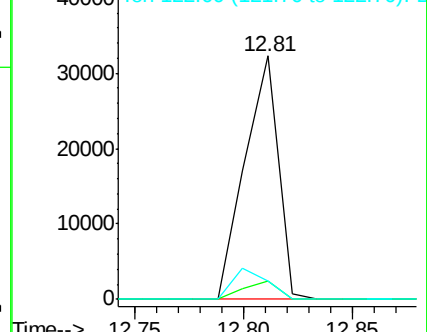
122 7.3 11.2 16.8#



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: 15.22 min Scan# 1193

Delta R.T. -0.02 min

Lab File: BF088878.D

Acq: 9 Jul 2016 18:35

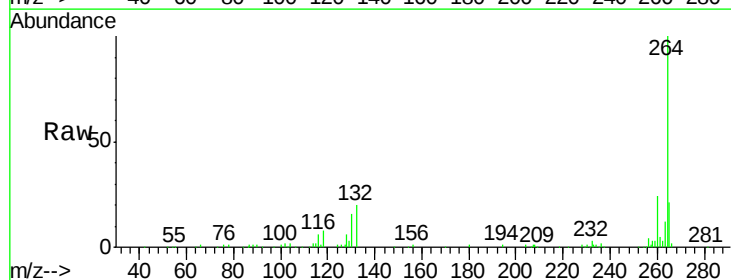
Tgt Ion:264 Resp: 147207

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.4 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

