

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
 Data File : BF084261.D
 Acq On : 5 Jan 2016 3:13
 Operator : UM/SJ
 Sample : G4990-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-33

Quant Time: Jan 05 07:16:12 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

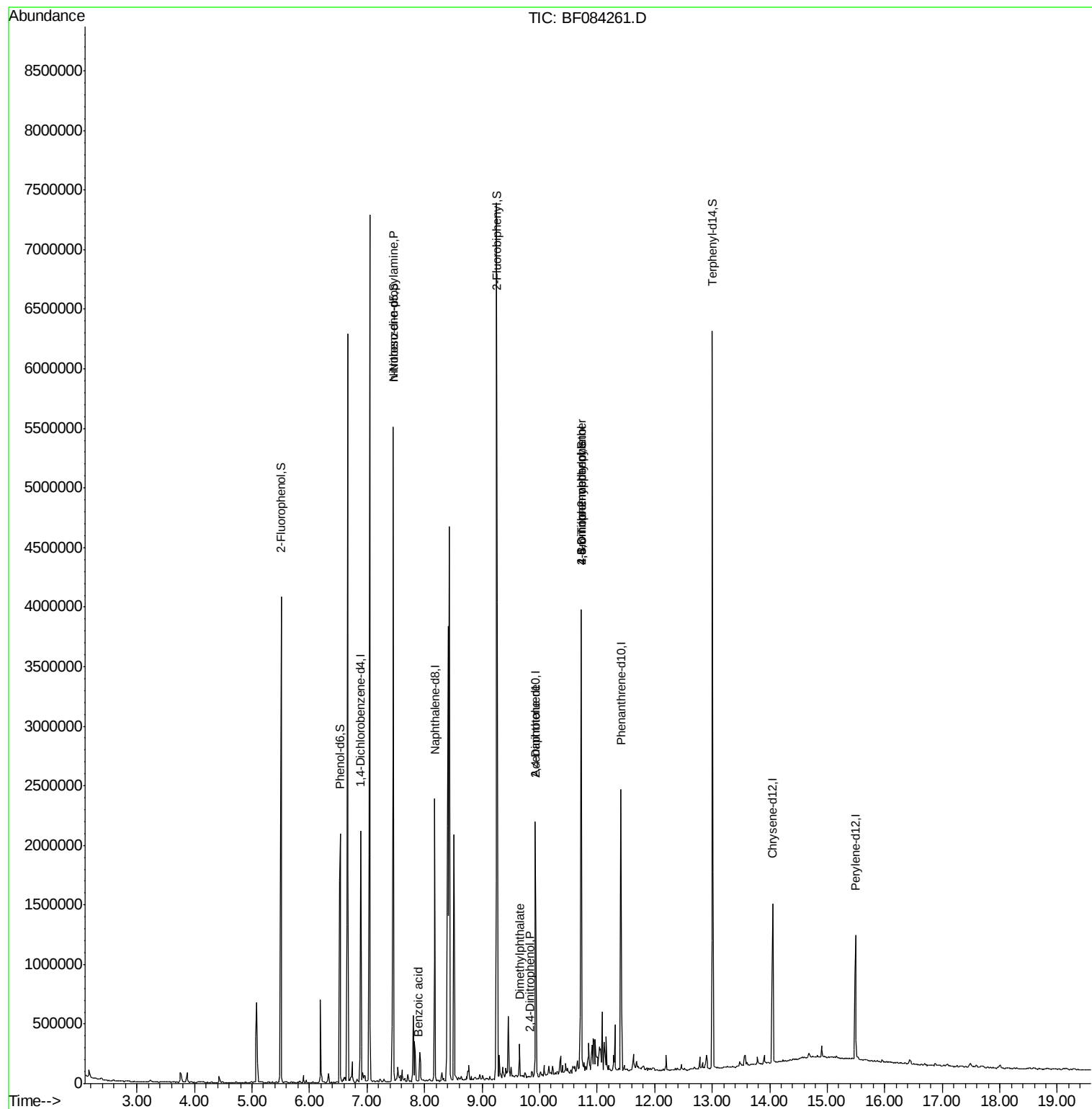
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	274262	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1160635	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	486435	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	805459	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	551566	20.00	ng	-0.01
86) Perylene-d12	15.49	264	531721	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1197584	70.63	ng	0.01
7) Phenol-d6	6.53	99	935738	43.94	ng	0.00
23) Nitrobenzene-d5	7.46	82	1963387	94.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	691398	140.79	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	2954594	108.61	ng	-0.01
78) Terphenyl-d14	13.00	244	1953128	79.04	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	279088	19.36	ng	# 69
32) Benzoic acid	7.89	122	272	6.27	ng	# 77
49) Dimethylphthalate	9.65	163	116800	3.36	ng	# 90
53) 2,4-Dinitrophenol	9.82	184	299	3.64	ng	# 17
54) Dibenzofuran	10.13	168	2377	Below	Cal	# 55
56) 2,4-Dinitrotoluene	9.93	165	63164	6.54	ng	# 22
57) Fluorene	10.48	166	1148	Below	Cal	# 77
60) 4-Chlorophenyl-phenylether	10.48	204	665	Below	Cal	# 74
64) 4,6-Dinitro-2-methylphenol	10.73	198	1597	6.66	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	44503	5.13	ng	# 1
73) Di-n-butylphthalate	11.98	149	21631	Below	Cal	# 92

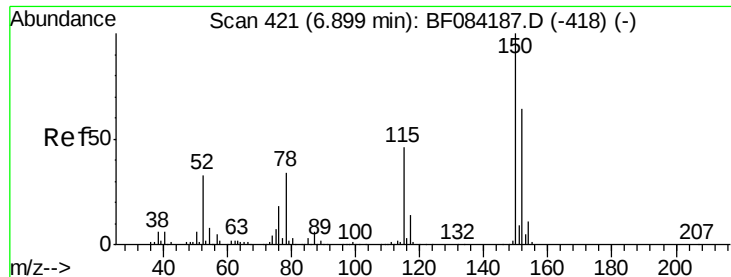
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
Data File : BF084261.D
Acq On : 5 Jan 2016 3:13
Operator : UM/SJ
Sample : G4990-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W-33

Quant Time: Jan 05 07:16:12 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF084261.D

Acq: 5 Jan 2016 3:13

Instrument :

BNA_F

ClientSampleId :

W-33

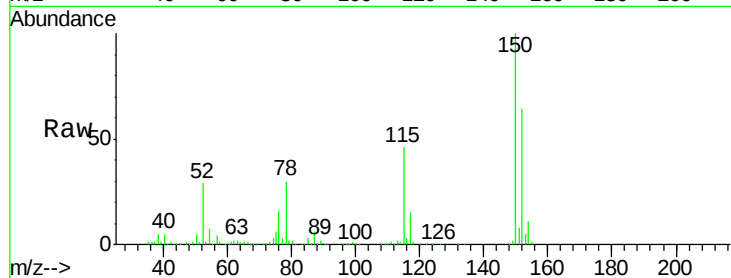
Tgt Ion:152 Resp: 274262

Ion Ratio Lower Upper

152 100

150 155.2 123.0 184.4

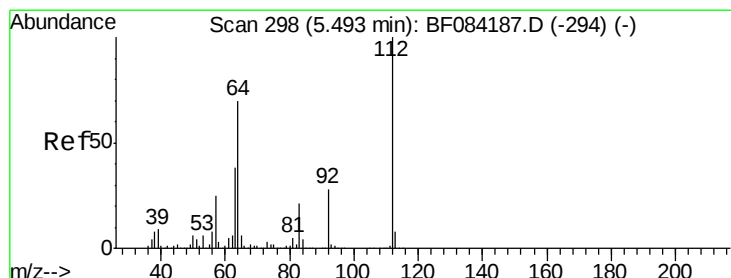
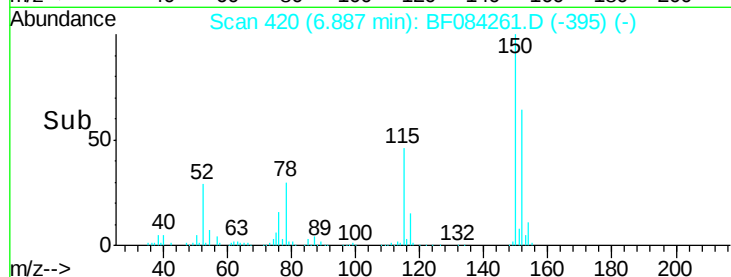
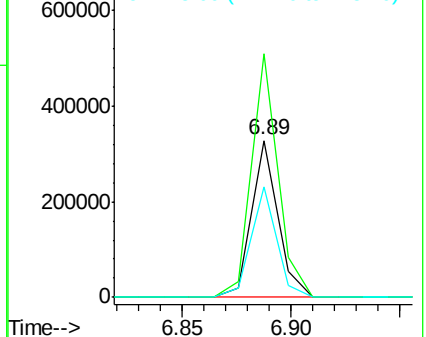
115 70.8 51.4 77.2



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: 70.63 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084261.D

Acq: 5 Jan 2016 3:13

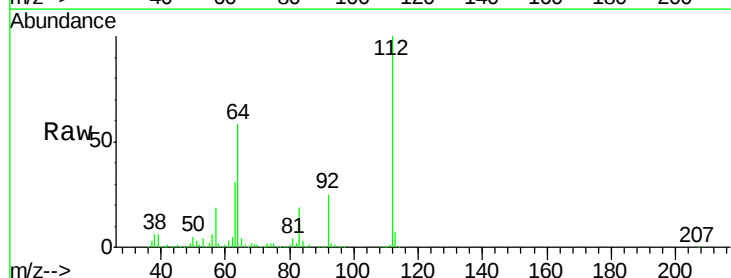
Tgt Ion:112 Resp: 1197584

Ion Ratio Lower Upper

112 100

64 58.3 36.6 55.0#

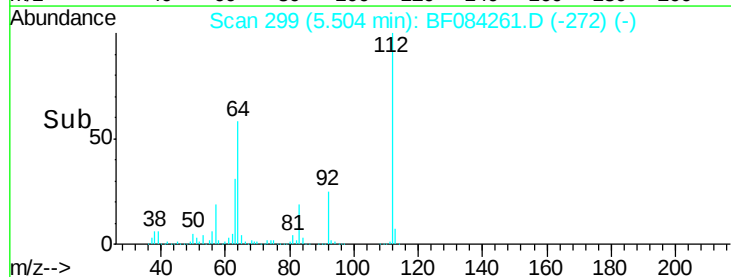
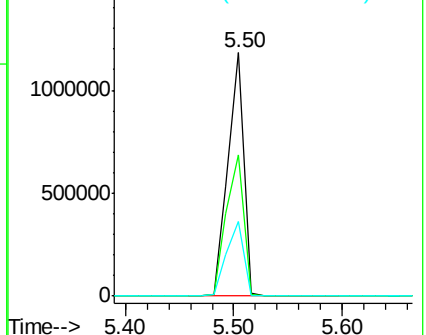
63 30.7 19.4 29.0#

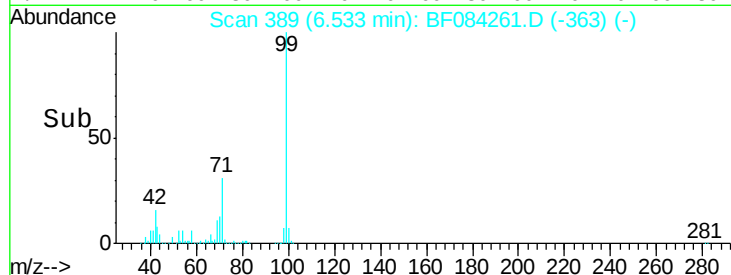
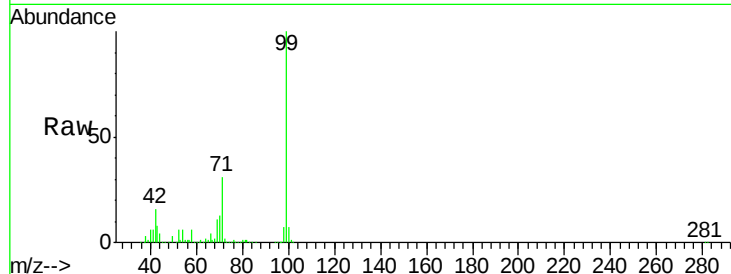
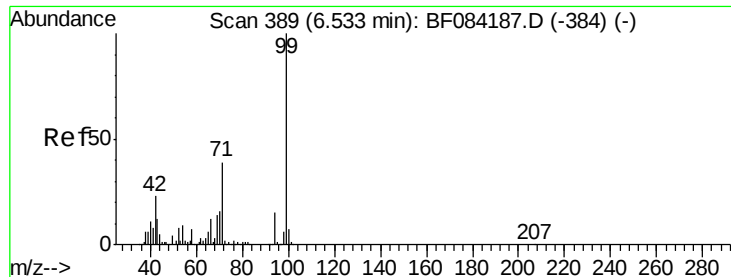


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 43.94 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084261.D

Acq: 5 Jan 2016 3:13

Instrument :

BNA_F

ClientSampleId :

W-33

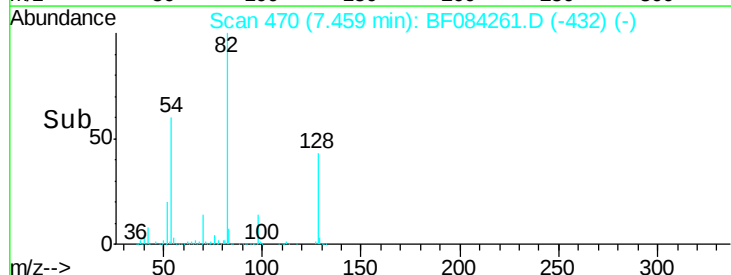
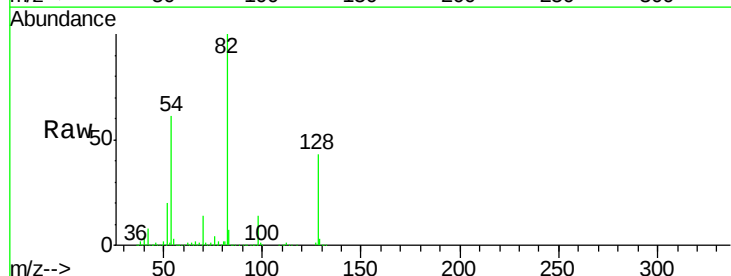
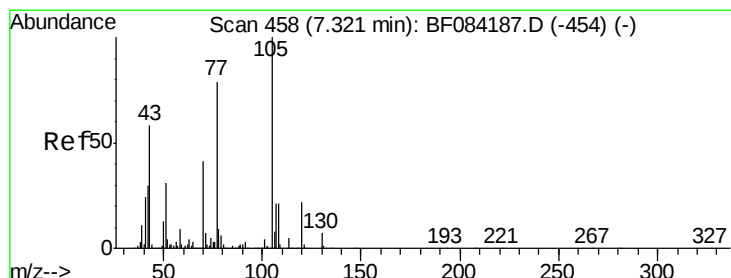
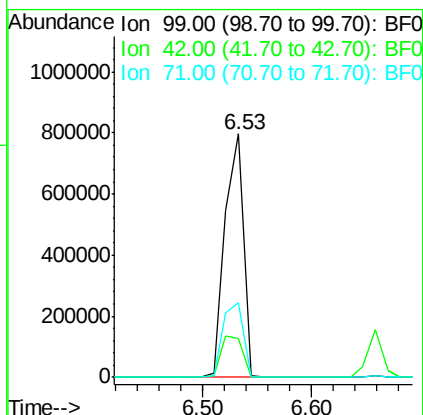
Tgt Ion: 99 Resp: 935738

Ion Ratio Lower Upper

99 100

42 16.0 12.8 19.2

71 30.7 30.9 46.3#



#19

n-Nitroso-di-n-propylamine

Concen: 19.36 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.14 min

Lab File: BF084261.D

Acq: 5 Jan 2016 3:13

Tgt Ion: 70 Resp: 279088

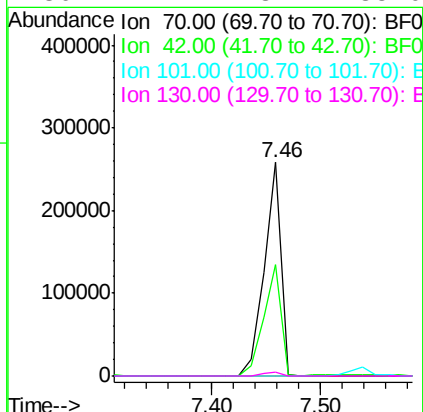
Ion Ratio Lower Upper

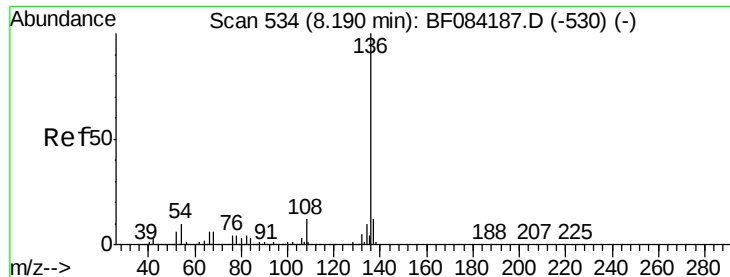
70 100

42 52.3 33.3 49.9#

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF084261.D

Acq: 5 Jan 2016 3:13

Instrument :

BNA_F

ClientSampleId :

W-33

Tgt Ion:136 Resp: 1160635

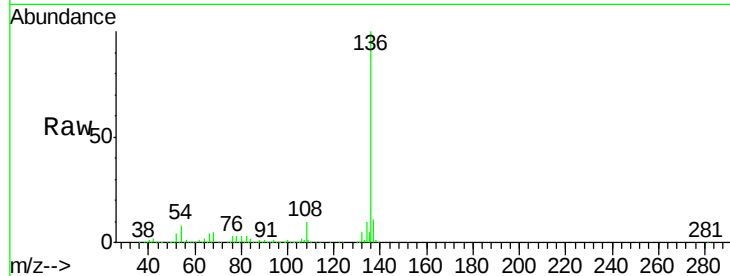
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 7.7 5.8 8.8

68 4.5 4.2 6.2

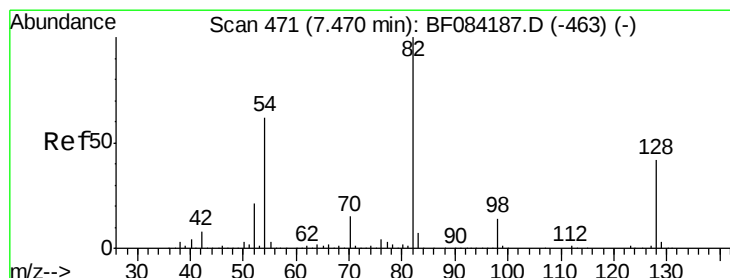
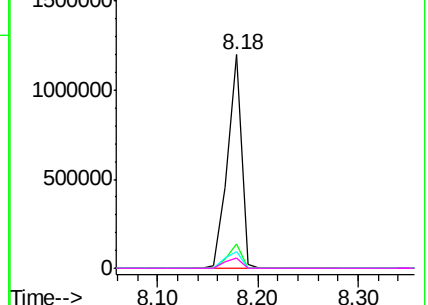
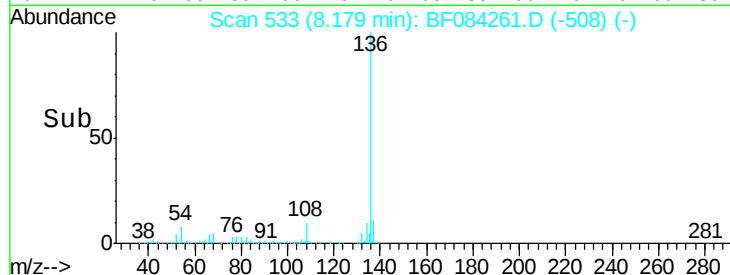


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.15 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF084261.D

Acq: 5 Jan 2016 3:13

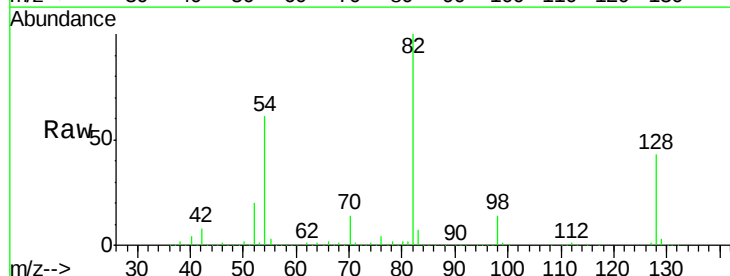
Tgt Ion: 82 Resp: 1963387

Ion Ratio Lower Upper

82 100

128 43.4 34.6 51.8

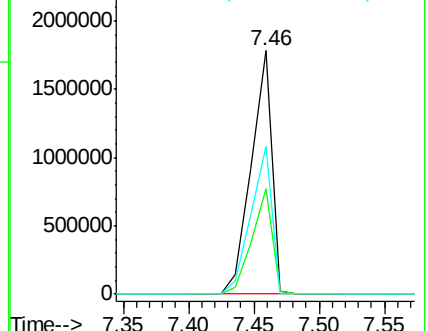
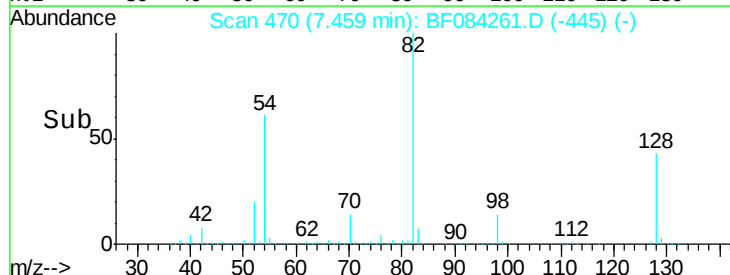
54 60.5 38.4 57.6#

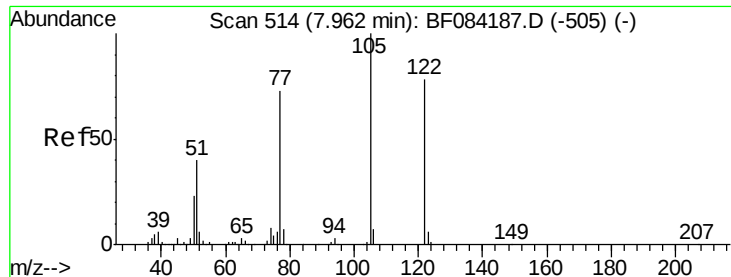


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 6.27 ng

RT: 7.89 min Scan# 508

Delta R.T. -0.07 min

Lab File: BF084261.D

Acq: 5 Jan 2016 3:13

Instrument :

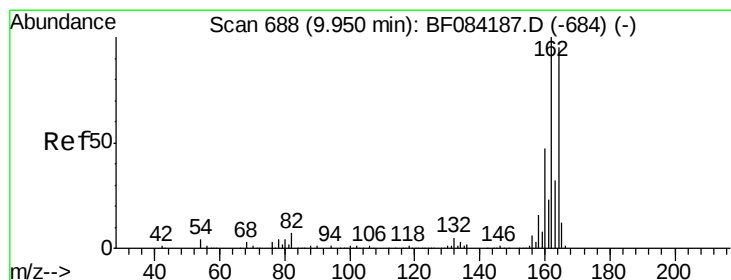
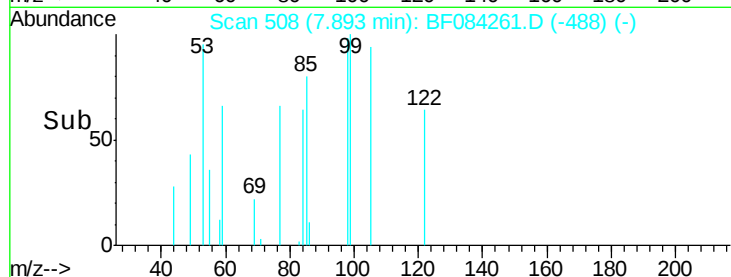
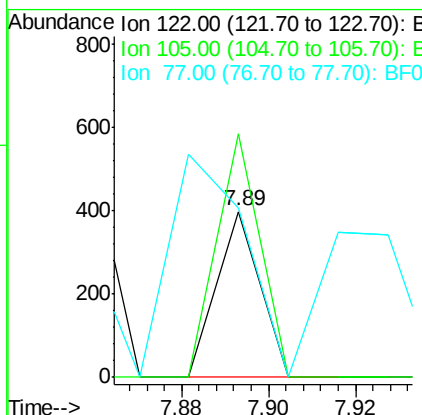
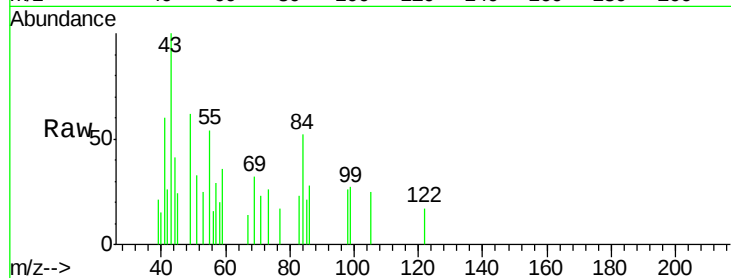
BNA_F

ClientSampleId :

W-33

Tgt Ion:122 Resp: 272

Ion	Ratio	Lower	Upper
122	100		
105	147.1	100.3	140.3#
77	102.3	63.5	103.5



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

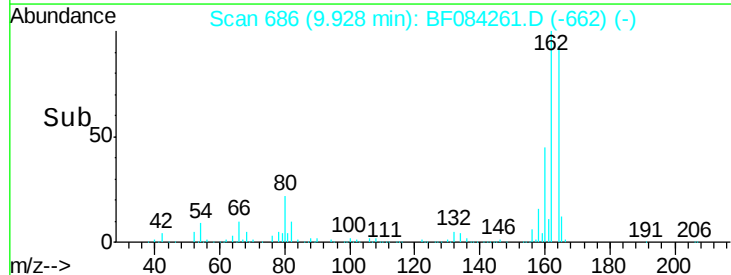
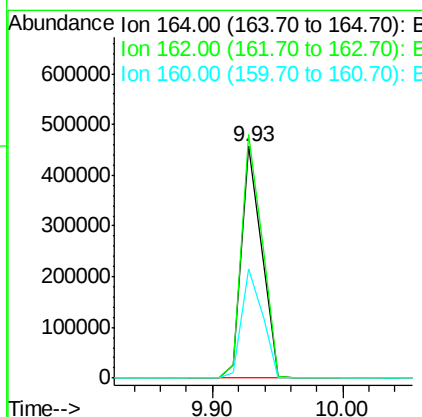
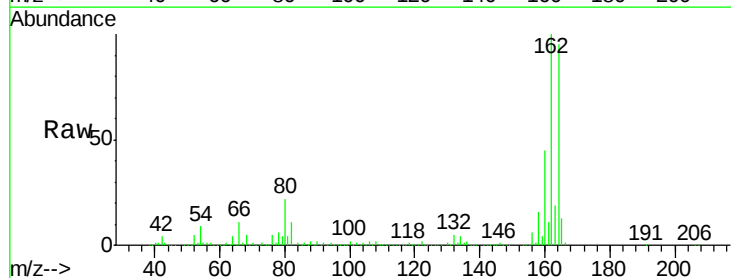
Delta R.T. -0.02 min

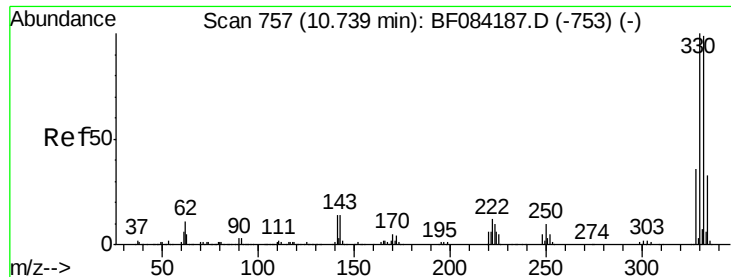
Lab File: BF084261.D

Acq: 5 Jan 2016 3:13

Tgt Ion:164 Resp: 486435

Ion	Ratio	Lower	Upper
164	100		
162	105.1	85.1	127.7
160	47.0	37.5	56.3

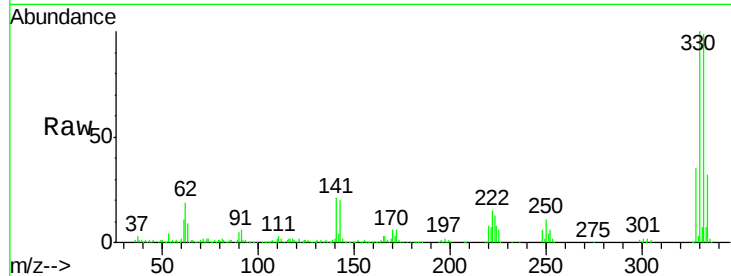




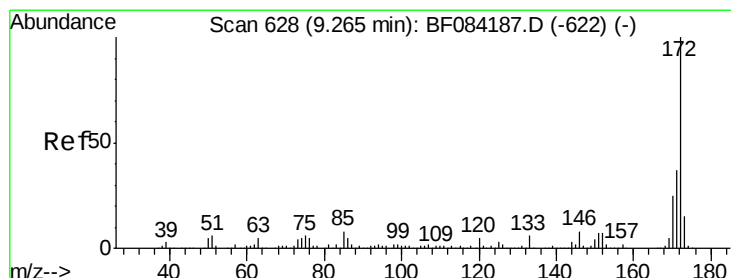
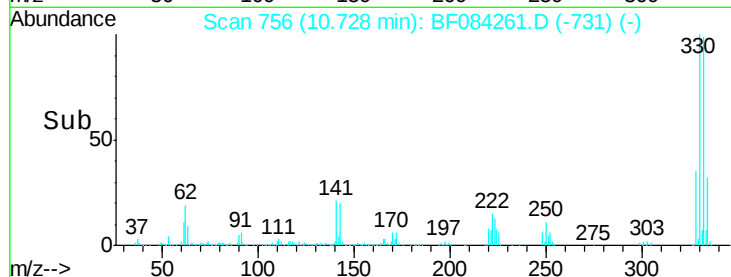
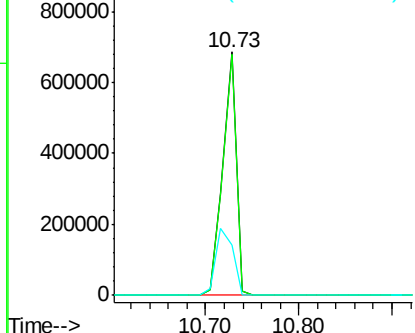
#41
 2,4,6-Tribromophenol
 Concen: 140.79 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF084261.D
 Acq: 5 Jan 2016 3:13

Instrument :
 BNA_F
 ClientSampleId :
 W-33

Tgt Ion:330 Resp: 691398
 Ion Ratio Lower Upper
 330 100
 332 98.9 76.6 114.8
 141 35.2 27.8 41.6

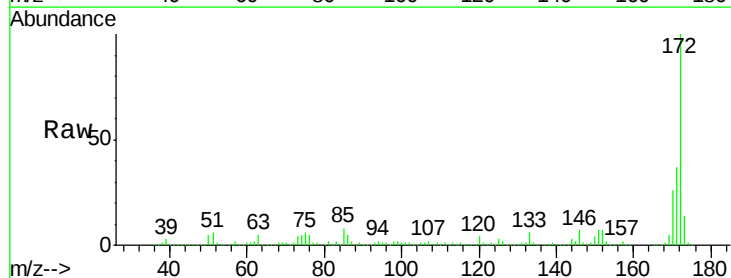


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

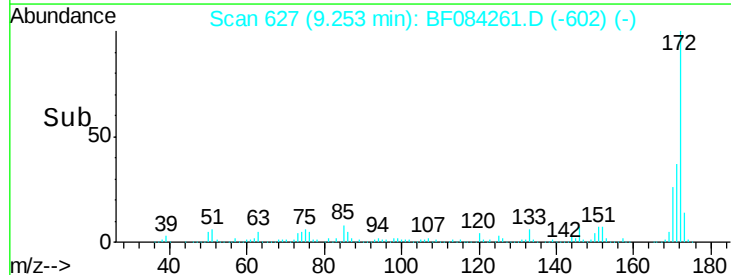
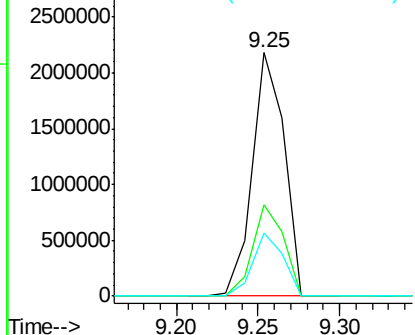


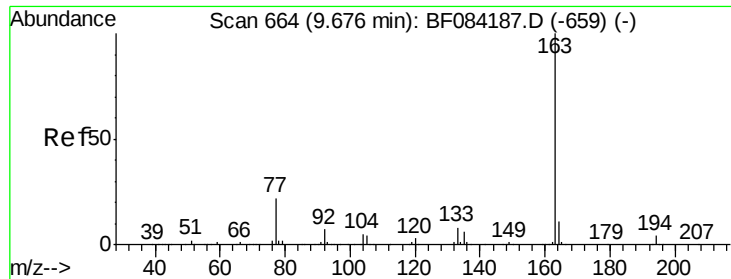
#44
 2-Fluorobiphenyl
 Concen: 108.61 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF084261.D
 Acq: 5 Jan 2016 3:13

Tgt Ion:172 Resp: 2954594
 Ion Ratio Lower Upper
 172 100
 171 37.5 28.9 43.3
 170 25.8 18.6 27.8



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





#49

Dimethylphthalate

Concen: 3.36 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.02 min

Lab File: BF084261.D

Acq: 5 Jan 2016 3:13

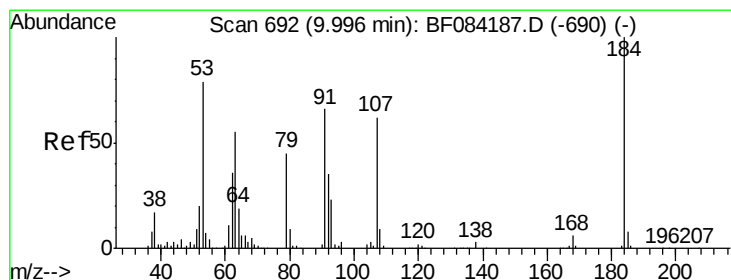
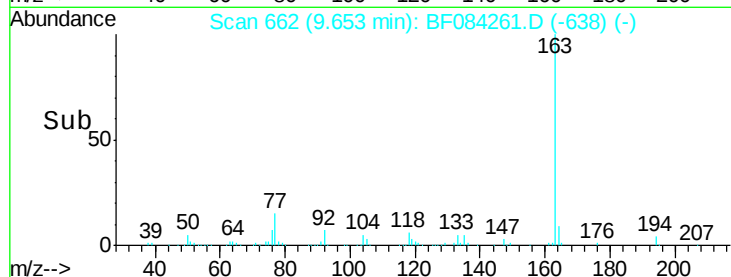
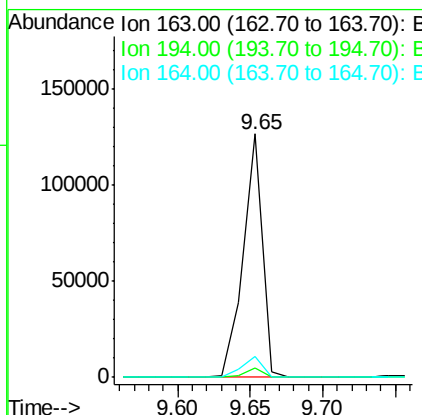
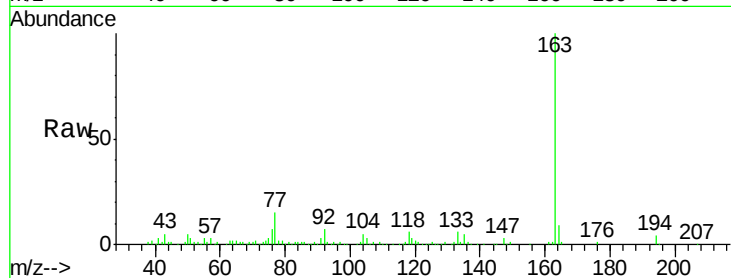
Instrument :

BNA_F

ClientSampleId :

W-33

Tgt Ion:	163	Resp:	116800
Ion Ratio	Lower	Upper	
163	100		
194	3.9	8.0	12.0#
164	8.8	8.0	12.0



#53

2,4-Dinitrophenol

Concen: 3.64 ng

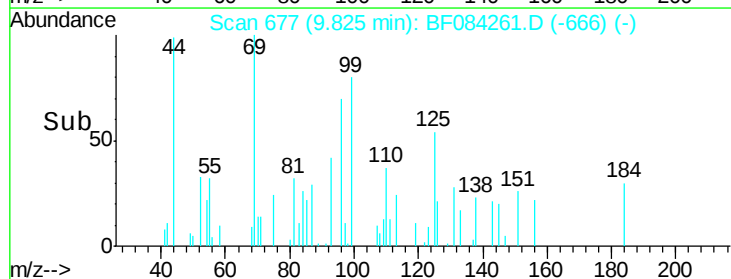
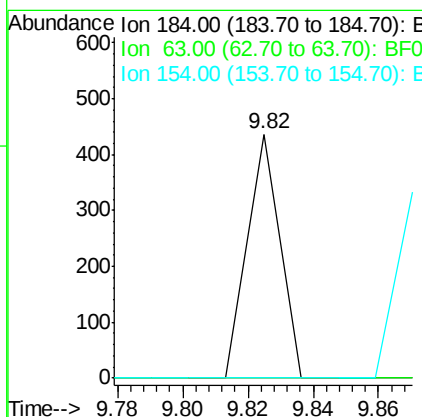
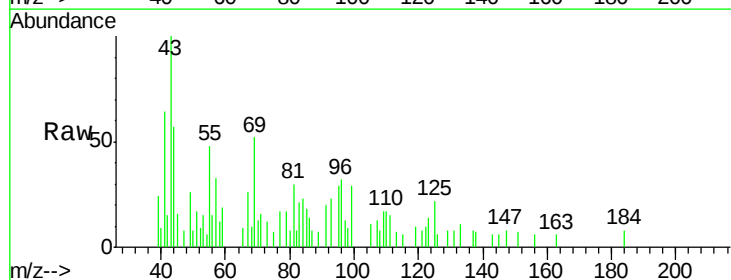
RT: 9.82 min Scan# 677

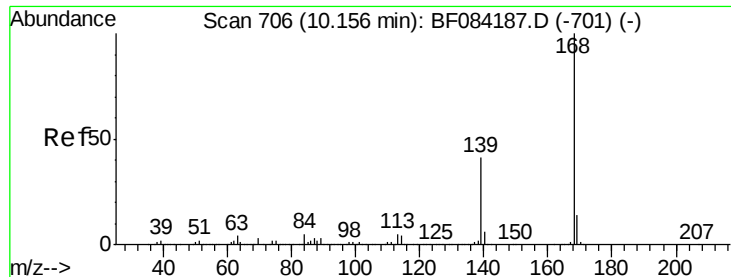
Delta R.T. -0.17 min

Lab File: BF084261.D

Acq: 5 Jan 2016 3:13

Tgt Ion:	184	Resp:	299
Ion Ratio	Lower	Upper	
184	100		
63	0.0	43.1	64.7#
154	0.0	60.5	90.7#





#54

Dibenzofuran

Concen: Below Cal

RT: 10.13 min Scan# 704

Delta R.T. -0.02 min

Lab File: BF084261.D

Acq: 5 Jan 2016 3:13

Instrument :

BNA_F

ClientSampled :

W-33

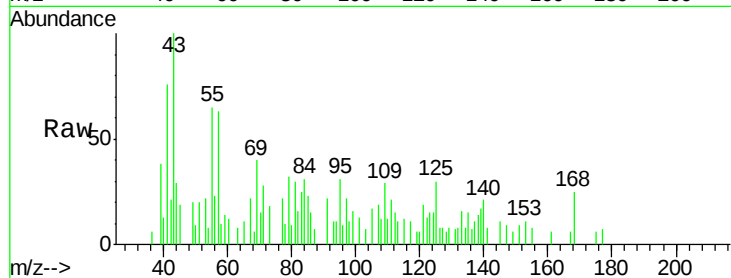
Tgt Ion:168 Resp: 2377

Ion Ratio Lower Upper

168 100

139 68.0 30.5 45.7#

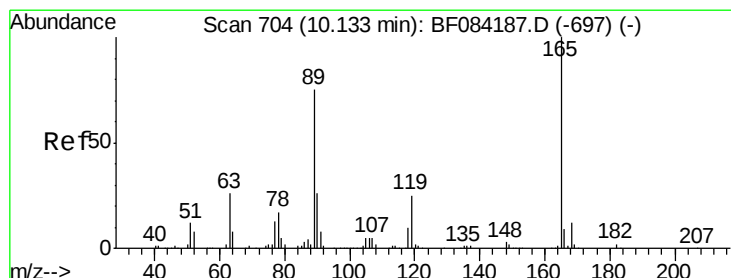
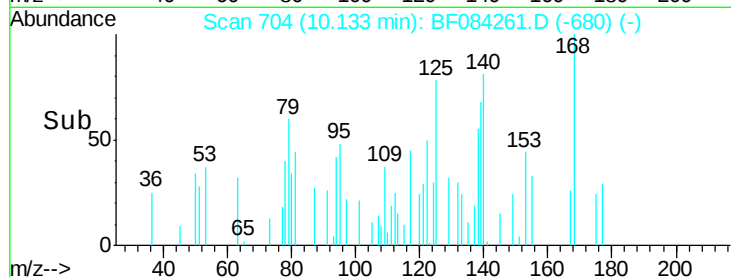
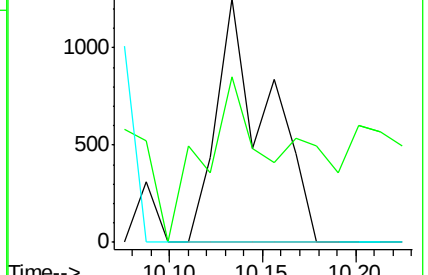
169 0.0 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

2,4-Dinitrotoluene

Concen: 6.54 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.21 min

Lab File: BF084261.D

Acq: 5 Jan 2016 3:13

Tgt Ion:165 Resp: 63164

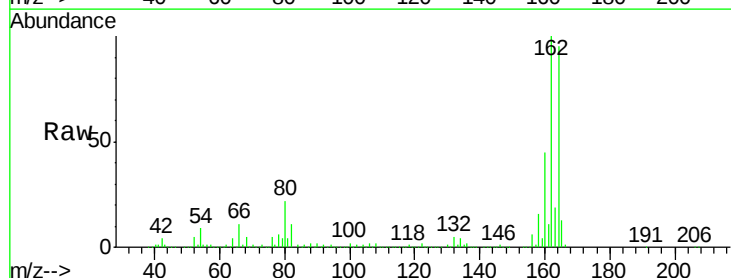
Ion Ratio Lower Upper

165 100

63 1.4 36.7 55.1#

89 2.1 61.9 92.9#

182 0.0 2.0 3.0#

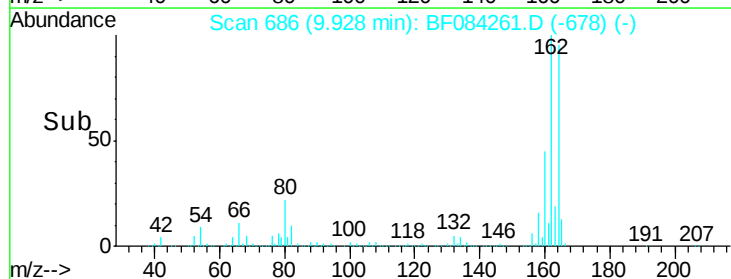
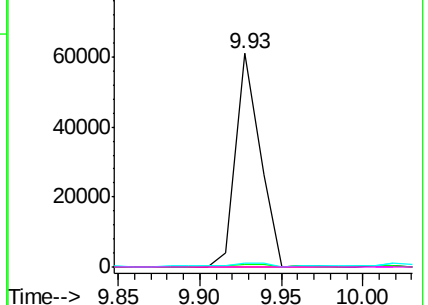


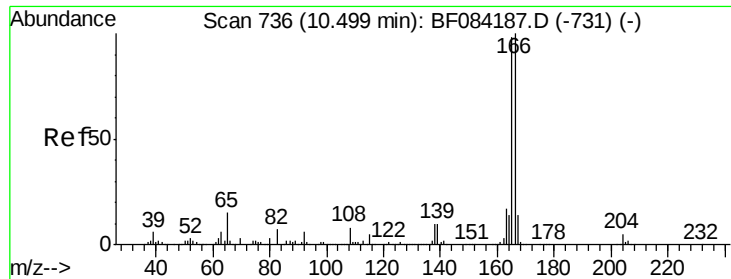
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: Below Cal

RT: 10.48 min Scan# 734

Delta R.T. -0.02 min

Lab File: BF084261.D

Acq: 5 Jan 2016 3:13

Instrument :

BNA_F

ClientSampleId :

W-33

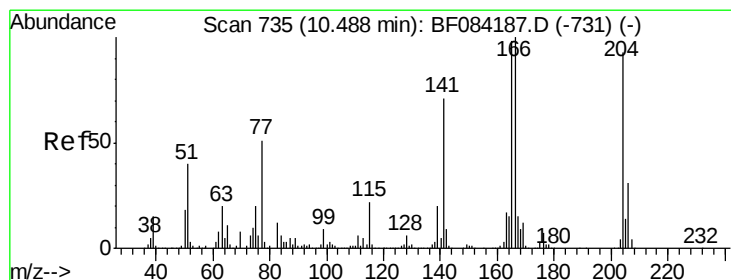
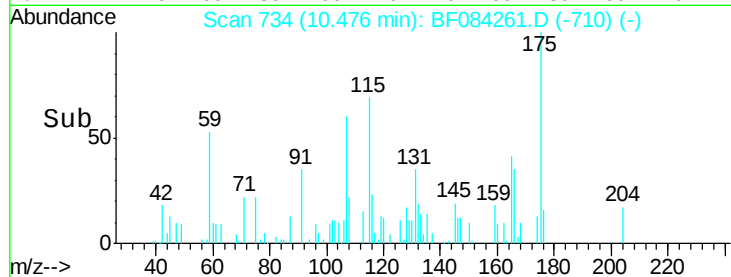
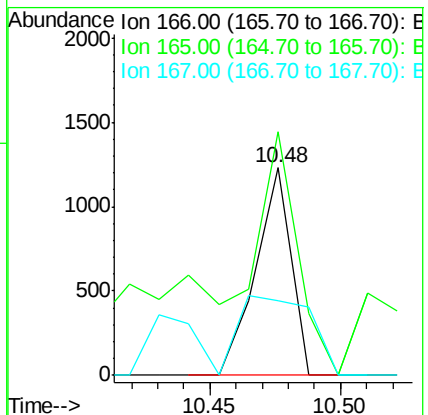
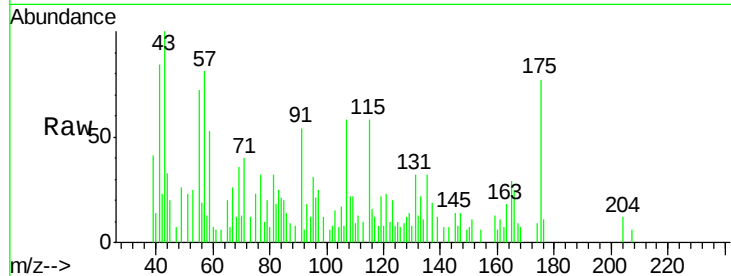
Tgt Ion:166 Resp: 1148

Ion Ratio Lower Upper

166 100

165 117.4 79.1 118.7

167 35.9 10.4 15.6#



#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.48 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF084261.D

Acq: 5 Jan 2016 3:13

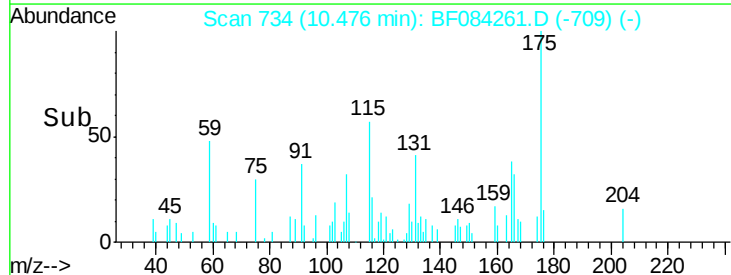
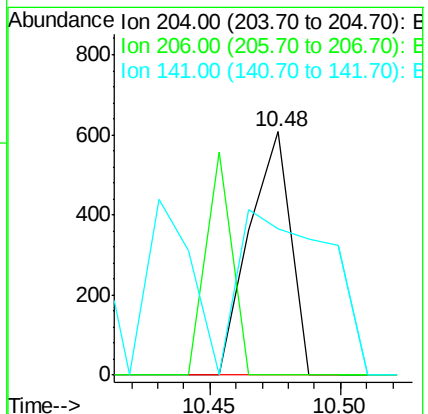
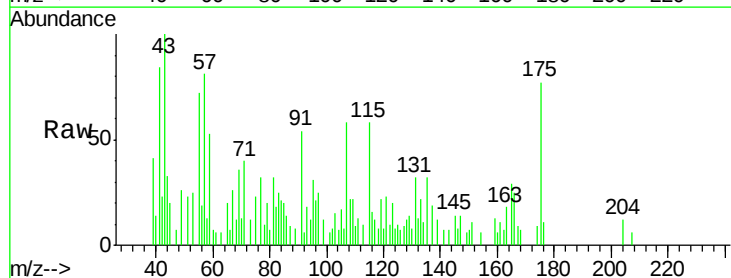
Tgt Ion:204 Resp: 665

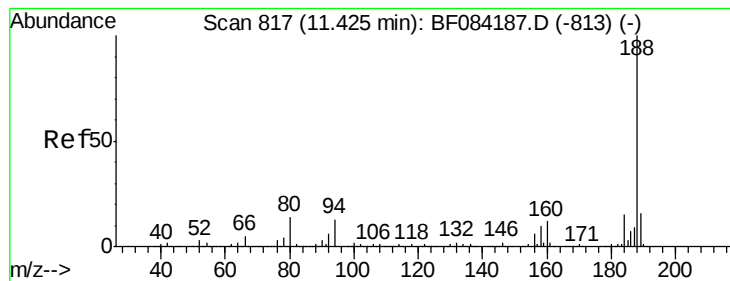
Ion Ratio Lower Upper

204 100

206 0.0 25.7 38.5#

141 59.9 55.1 82.7





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF084261.D

Acq: 5 Jan 2016 3:13

Instrument :

BNA_F

ClientSampleId :

W-33

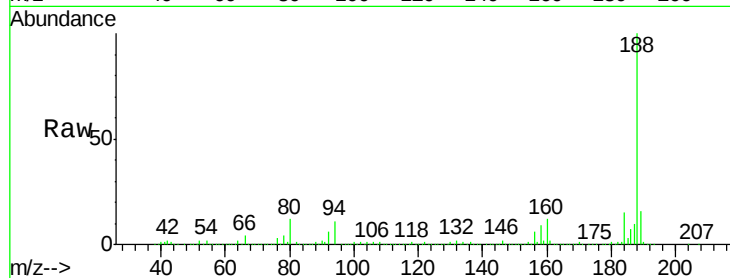
Tgt Ion:188 Resp: 805459

Ion Ratio Lower Upper

188 100

94 10.7 9.0 13.4

80 11.9 9.6 14.4



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

1200000

1000000

800000

600000

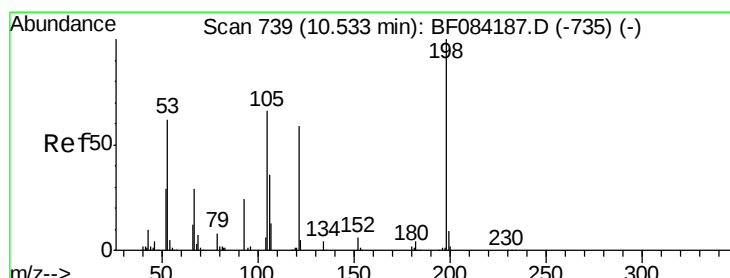
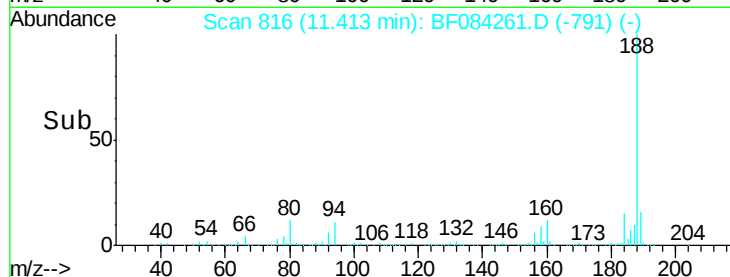
400000

200000

0

11.35 11.41 11.45

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 6.66 ng

RT: 10.73 min Scan# 756

Delta R.T. 0.19 min

Lab File: BF084261.D

Acq: 5 Jan 2016 3:13

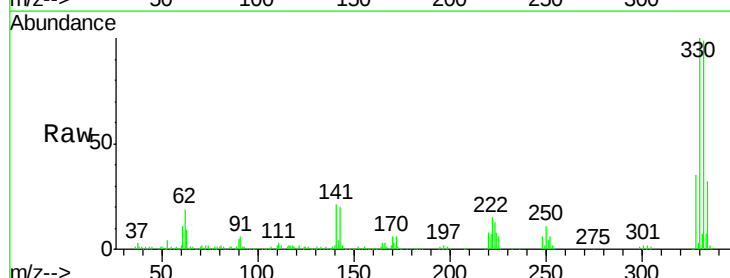
Tgt Ion:198 Resp: 1597

Ion Ratio Lower Upper

198 100

51 157.0 18.9 58.9#

105 205.8 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

5000

4000

3000

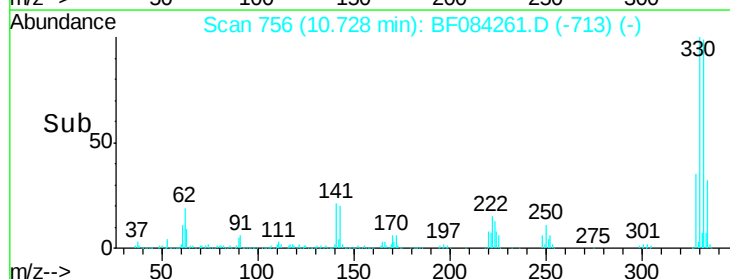
2000

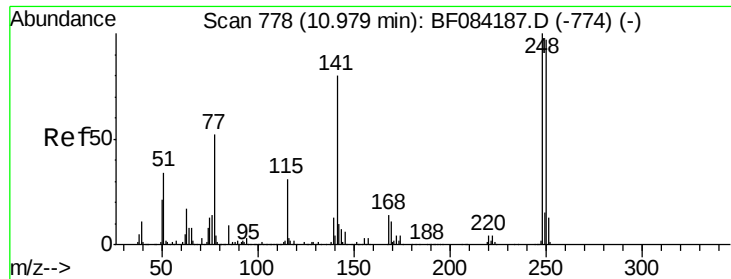
1000

0

10.70 10.73 10.75

Time-->

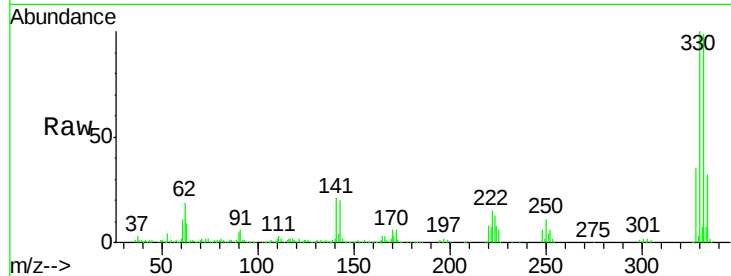




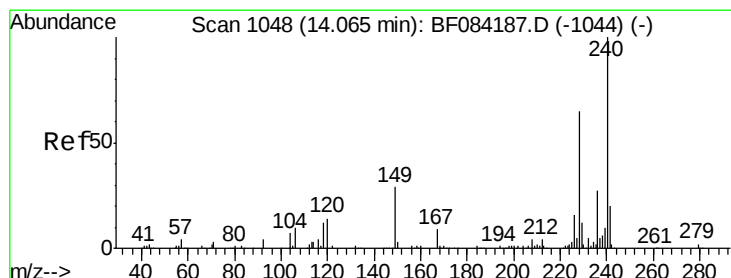
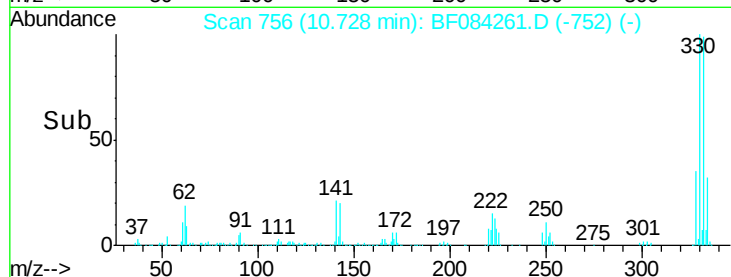
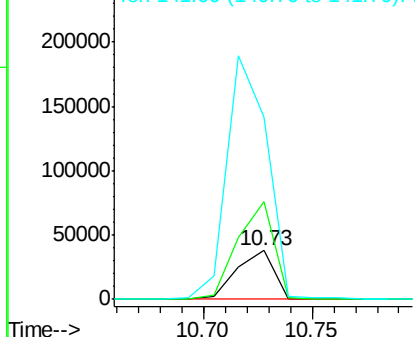
#66
 4-Bromophenyl-phenylether
 Concen: 5.13 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.25 min
 Lab File: BF084261.D
 Acq: 5 Jan 2016 3:13

Instrument :
 BNA_F
 ClientSampleID :
 W-33

Tgt Ion:248 Resp: 44503
 Ion Ratio Lower Upper
 248 100
 250 201.9 78.4 117.6#
 141 374.2 44.0 66.0#

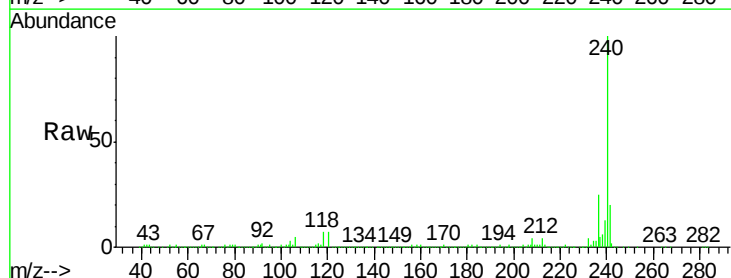


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

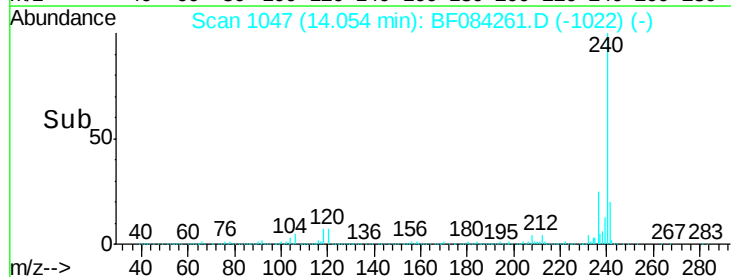
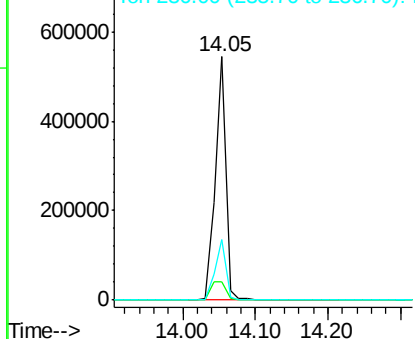


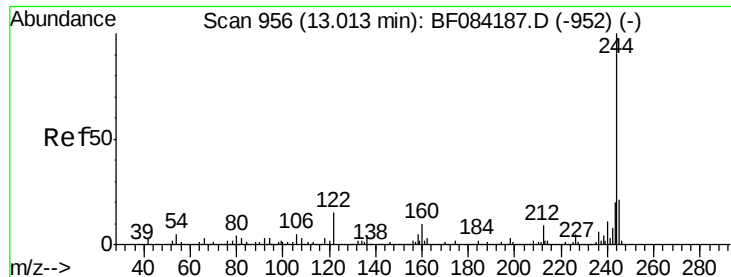
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BF084261.D
 Acq: 5 Jan 2016 3:13

Tgt Ion:240 Resp: 551566
 Ion Ratio Lower Upper
 240 100
 120 7.4 9.5 14.3#
 236 25.0 20.6 31.0



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

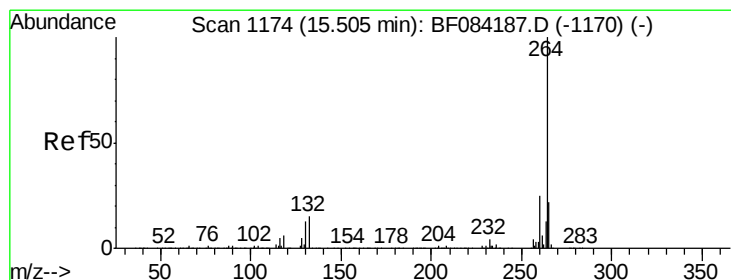
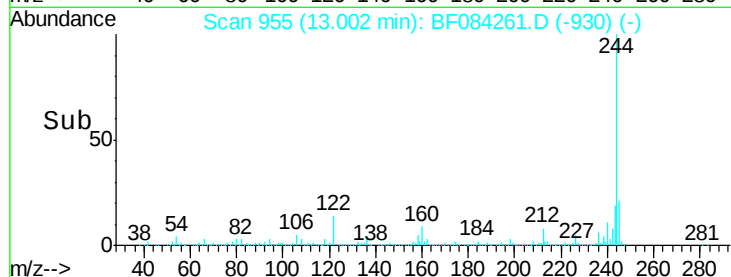
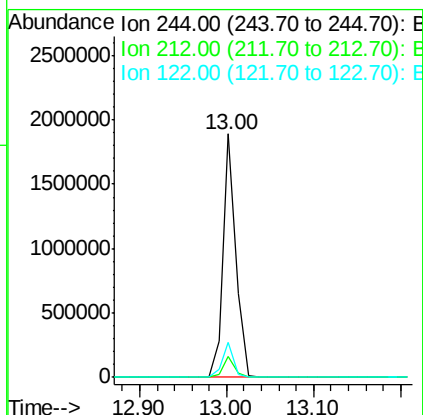
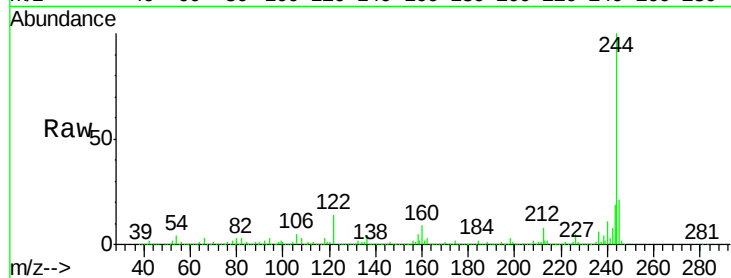




#78
 Terphenyl-d14
 Concen: 79.04 ng
 RT: 13.00 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: BF084261.D
 Acq: 5 Jan 2016 3:13

Instrument :
 BNA_F
 ClientSampleId :
 W-33

Tgt Ion:244 Resp: 1953128
 Ion Ratio Lower Upper
 244 100
 212 8.4 5.7 8.5
 122 14.4 7.4 11.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: BF084261.D
 Acq: 5 Jan 2016 3:13

Tgt Ion:264 Resp: 531721
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.4 29.2
 265 21.5 17.8 26.6

