

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061116\
 Data File : BF087933.D
 Acq On : 12 Jun 2016 7:19
 Operator : UM/SJ
 Sample : H3504-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1

Quant Time: Jun 13 01:13:25 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 01:05:20 2016
 Response via : Initial Calibration

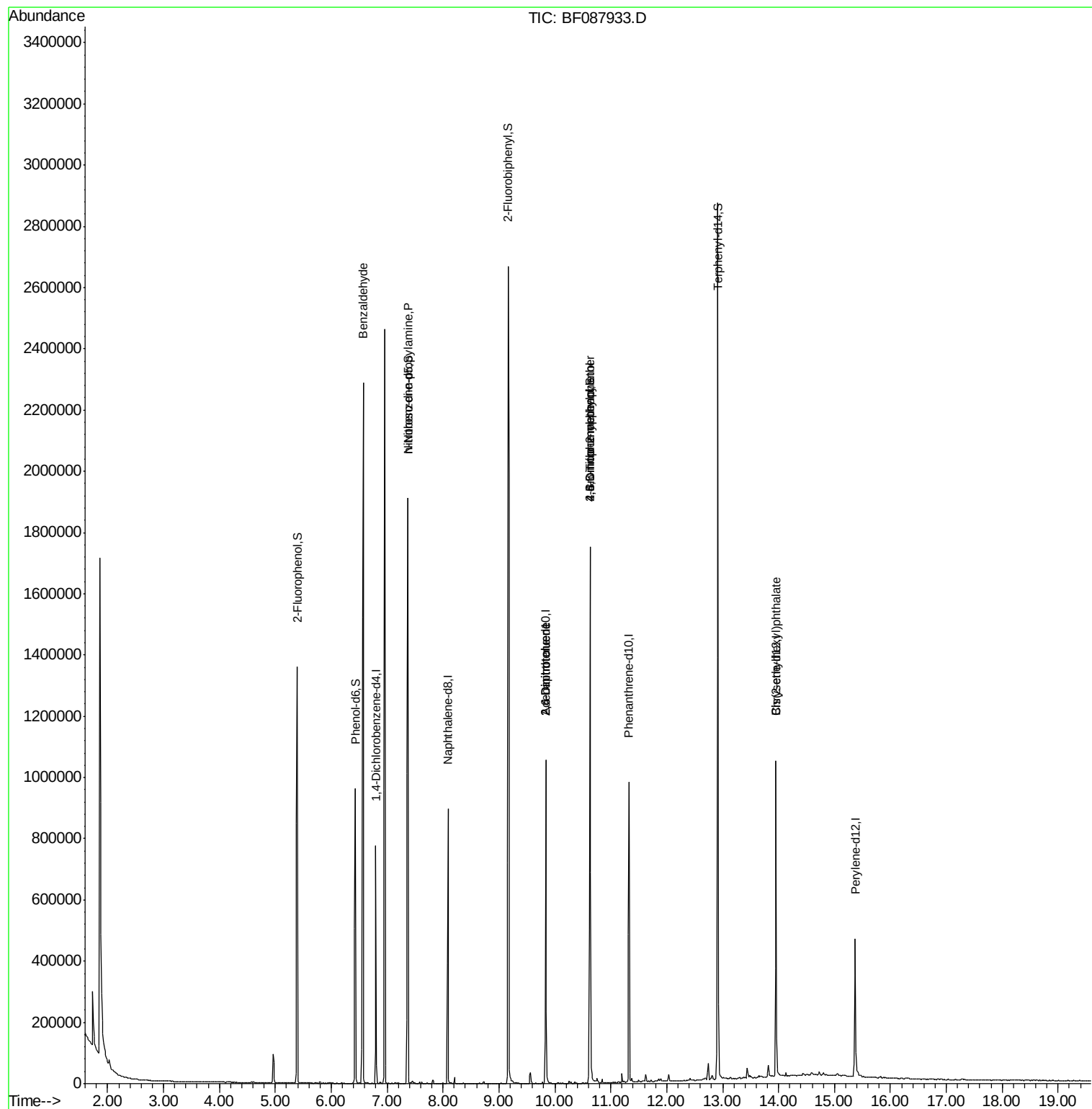
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	111940	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	472387	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	215570	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	415393	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	320235	20.00	ng	-0.03
86) Perylene-d12	15.37	264	244101	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	488587	74.62	ng	-0.03
7) Phenol-d6	6.43	99	412541	51.99	ng	-0.05
23) Nitrobenzene-d5	7.37	82	762177	94.22	ng	-0.05
41) 2,4,6-Tribromophenol	10.63	330	283831	124.70	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	1348666	99.21	ng	-0.05
78) Terphenyl-d14	12.91	244	1025695	72.88	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.57	77	17943	3.10	ng	# 74
10) Phenol	6.44	94	848	Below	Cal	# 86
19) n-Nitroso-di-n-propylamine	7.37	70	100349	19.77	ng	# 72
45) 1,1'-Biphenyl	9.16	154	2522	Below	Cal	# 1
50) 2,6-Dinitrotoluene	9.84	165	27167	7.60	ng	# 39
56) 2,4-Dinitrotoluene	9.84	165	27169	5.91	ng	# 38
57) Fluorene	10.63	166	12105	Below	Cal	# 92
64) 4,6-Dinitro-2-methylphenol	10.63	198	426	2.32	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	16880	3.79	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.95	149	58719	4.59	ng	# 97

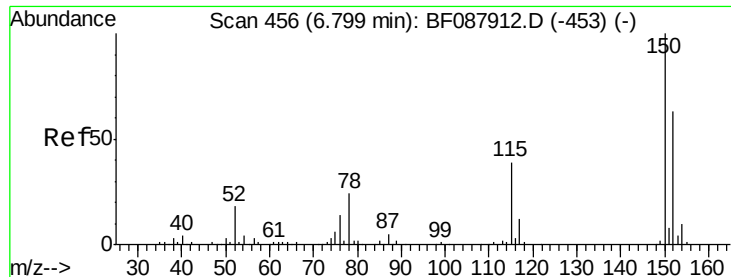
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 456

Delta R.T. -0.05 min

Lab File: BF087933.D

Acq: 12 Jun 2016 7:19

Instrument :

BNA_F

ClientSampleId :

MW-1

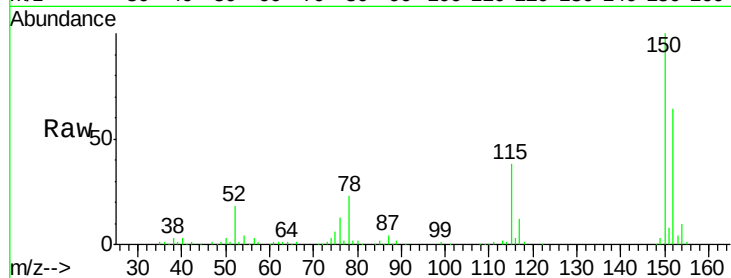
Tgt Ion:152 Resp: 111940

Ion Ratio Lower Upper

152 100

150 156.3 123.8 185.6

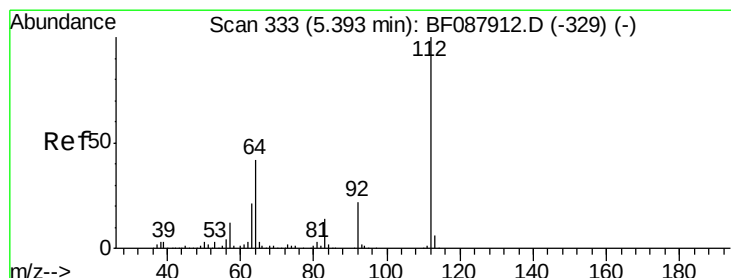
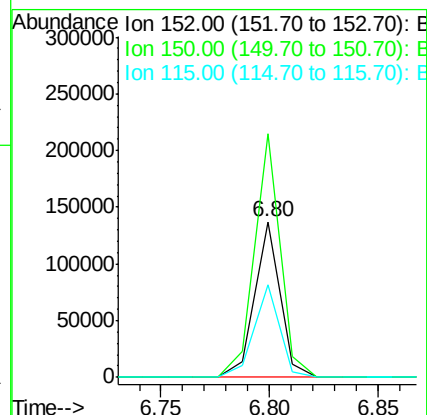
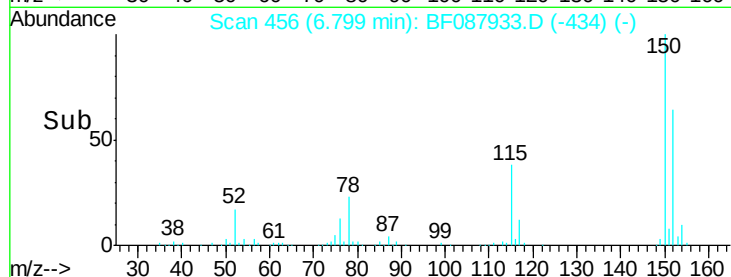
115 59.7 39.6 59.4#



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: 74.62 ng

RT: 5.39 min Scan# 333

Delta R.T. -0.03 min

Lab File: BF087933.D

Acq: 12 Jun 2016 7:19

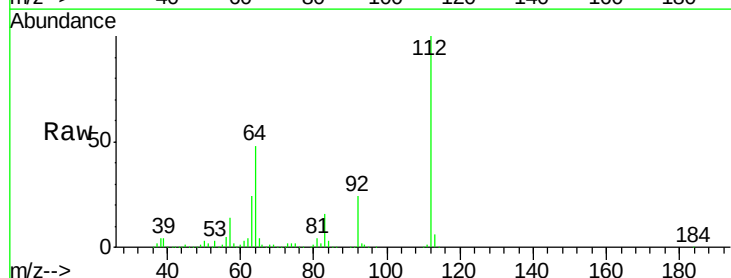
Tgt Ion:112 Resp: 488587

Ion Ratio Lower Upper

112 100

64 48.1 42.2 63.2

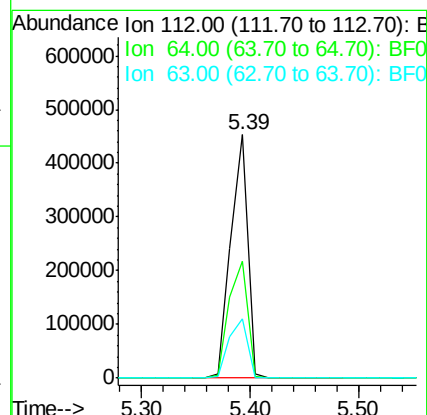
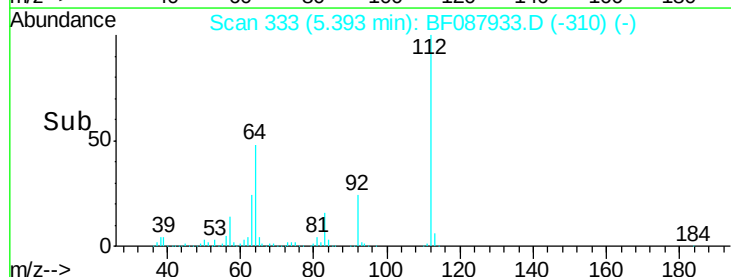
63 24.5 21.8 32.8

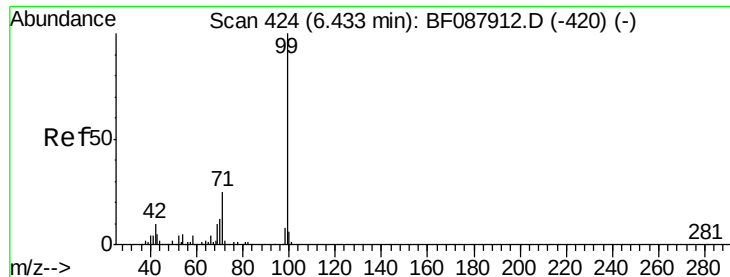


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 51.99 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF087933.D

Acq: 12 Jun 2016 7:19

Instrument :

BNA_F

ClientSampled :

MW-1

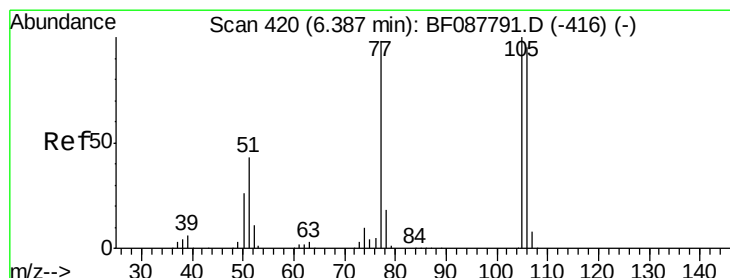
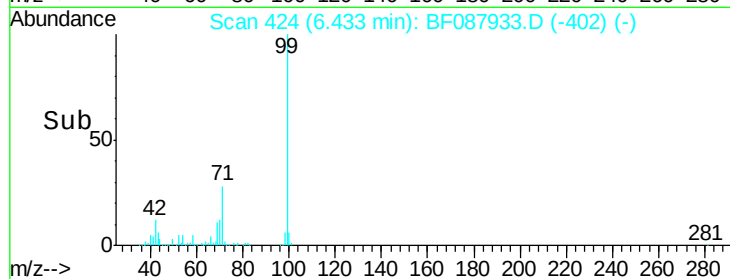
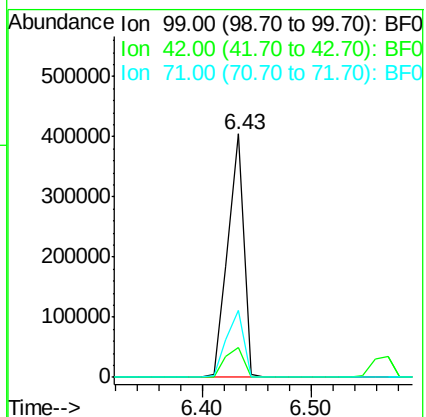
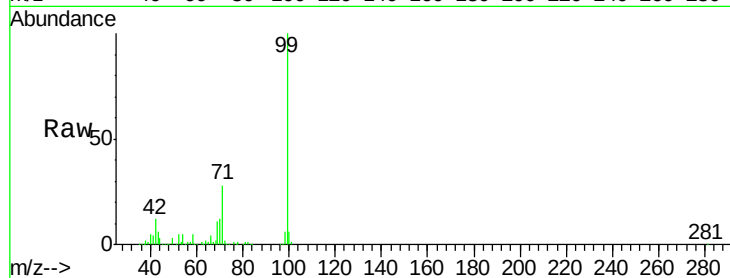
Tgt Ion: 99 Resp: 412541

Ion Ratio Lower Upper

99 100

42 12.5 12.2 18.2

71 27.7 23.4 35.0



#9

Benzaldehyde

Concen: 3.10 ng

RT: 6.57 min Scan# 436

Delta R.T. 0.18 min

Lab File: BF087933.D

Acq: 12 Jun 2016 7:19

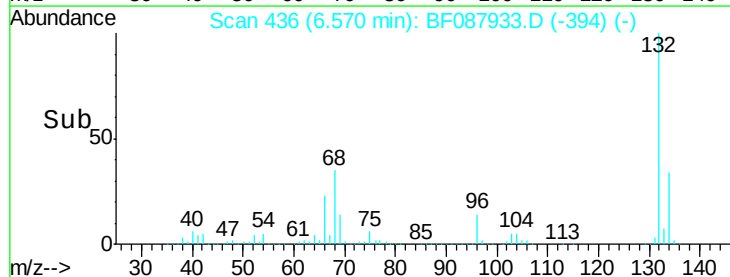
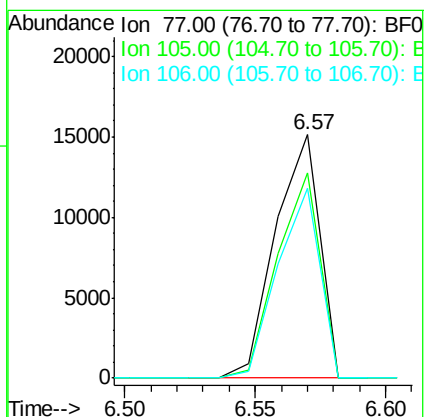
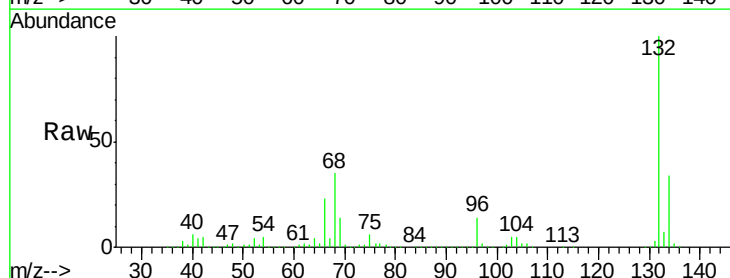
Tgt Ion: 77 Resp: 17943

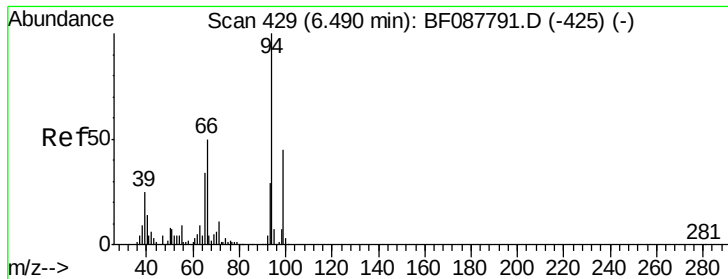
Ion Ratio Lower Upper

77 100

105 84.2 90.6 130.6#

106 77.8 85.3 125.3#





#10

Phenol

Concen: Below Cal

RT: 6.44 min Scan# 425

Delta R.T. -0.05 min

Lab File: BF087933.D

Acq: 12 Jun 2016 7:19

Instrument :

BNA_F

ClientSampleId :

MW-1

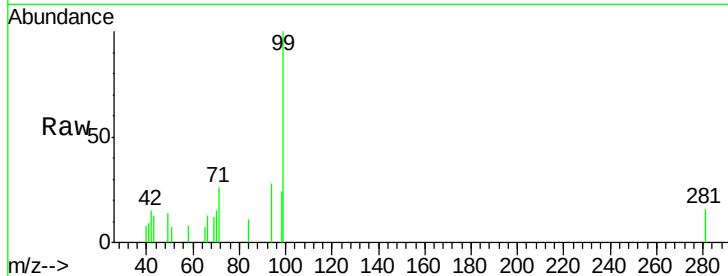
Tgt Ion: 94 Resp: 848

Ion Ratio Lower Upper

94 100

65 25.8 5.9 45.9

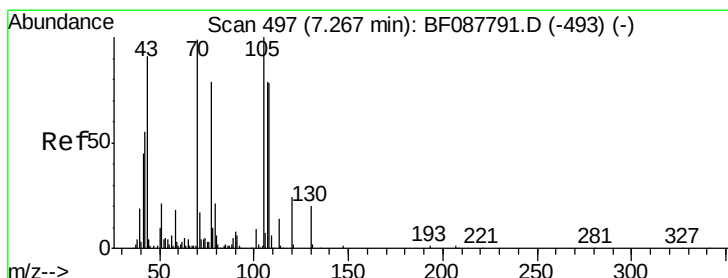
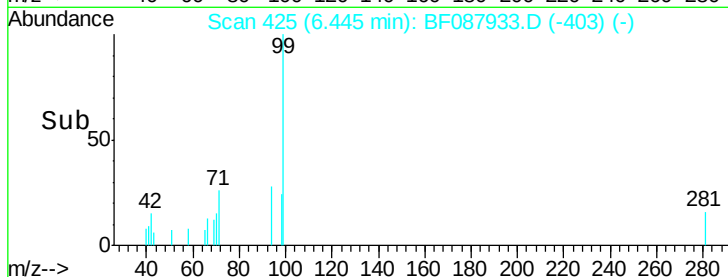
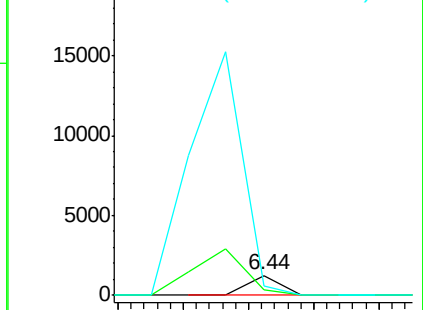
66 47.6 14.0 54.0



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 19.77 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.10 min

Lab File: BF087933.D

Acq: 12 Jun 2016 7:19

Tgt Ion: 70 Resp: 100349

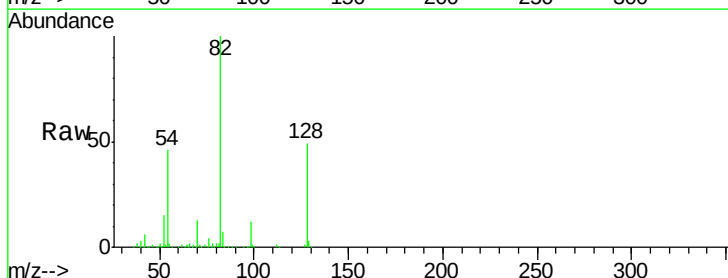
Ion Ratio Lower Upper

70 100

42 41.7 49.6 74.4#

101 0.0 7.1 10.7#

130 2.5 15.4 23.2#

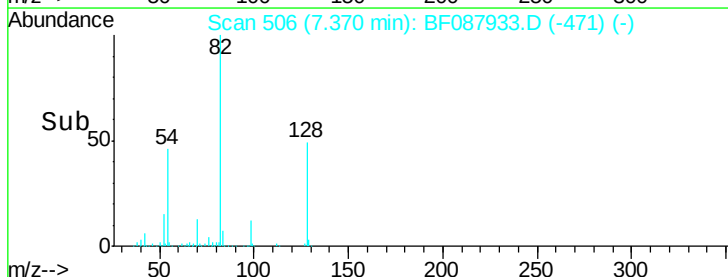
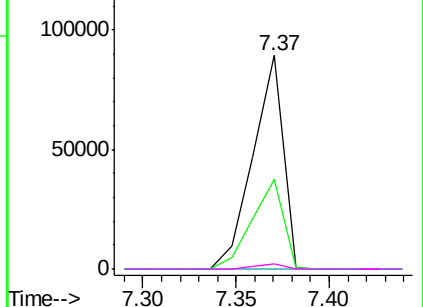


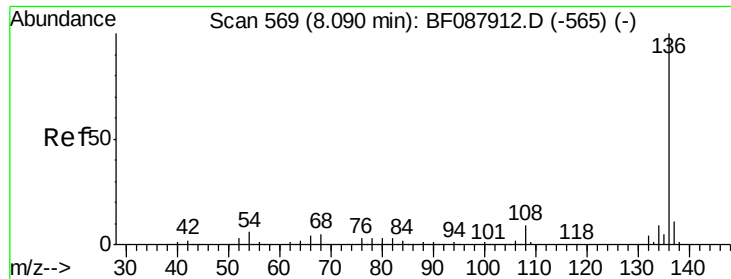
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

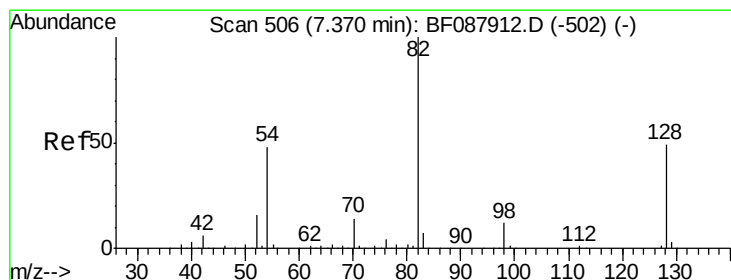
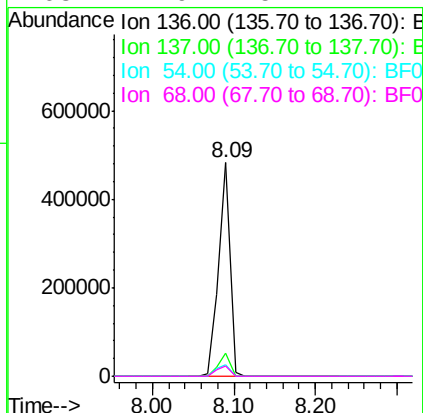
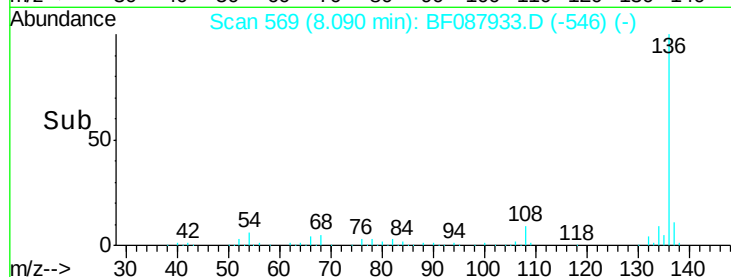
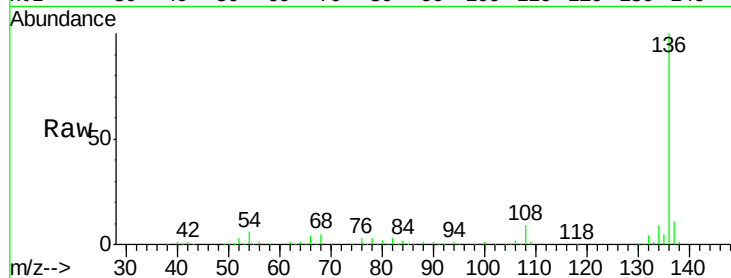




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.03 min
Lab File: BF087933.D
Acq: 12 Jun 2016 7:19

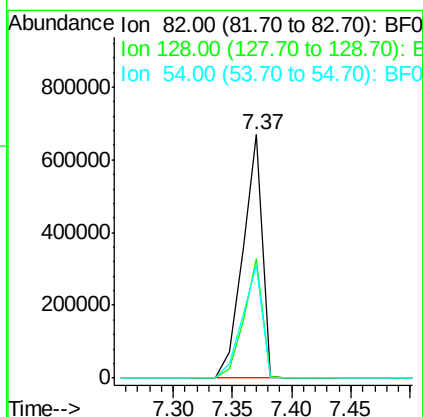
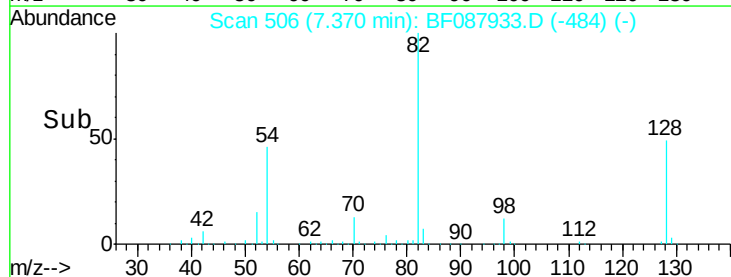
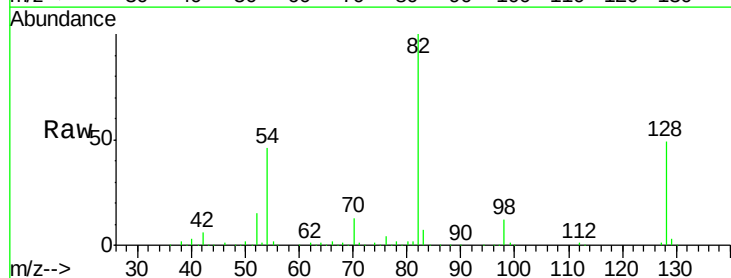
Instrument :
BNA_F
ClientSampleId :
MW-1

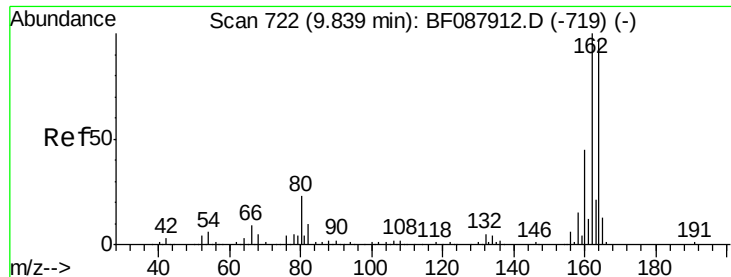
Tgt Ion:	136	Resp:	472387
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	5.5	6.6	10.0#
68	4.9	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 94.22 ng
RT: 7.37 min Scan# 506
Delta R.T. -0.05 min
Lab File: BF087933.D
Acq: 12 Jun 2016 7:19

Tgt Ion:	82	Resp:	762177
Ion	Ratio	Lower	Upper
82	100		
128	49.1	35.9	53.9
54	46.5	40.9	61.3

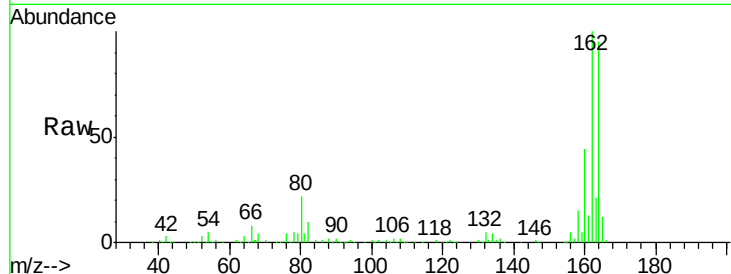




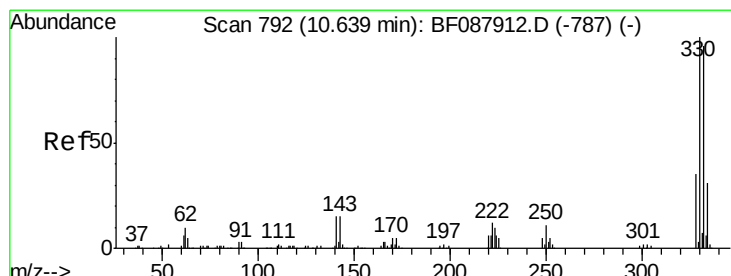
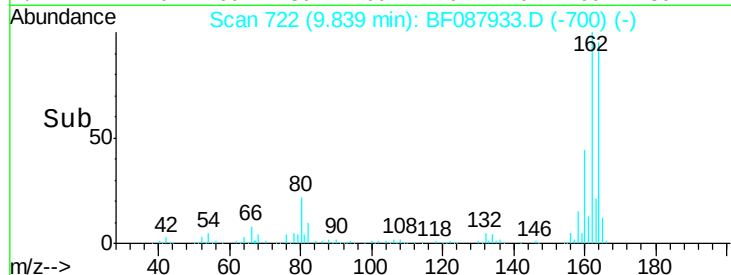
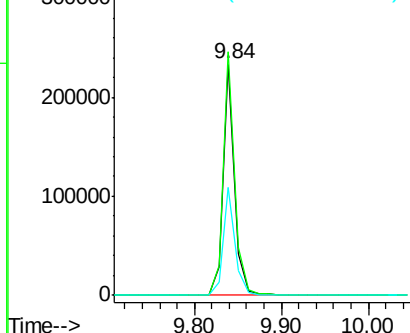
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.05 min
Lab File: BF087933.D
Acq: 12 Jun 2016 7:19

Instrument :
BNA_F
ClientSampleId :
MW-1

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.3	85.4	128.2
160	46.7	39.5	59.3

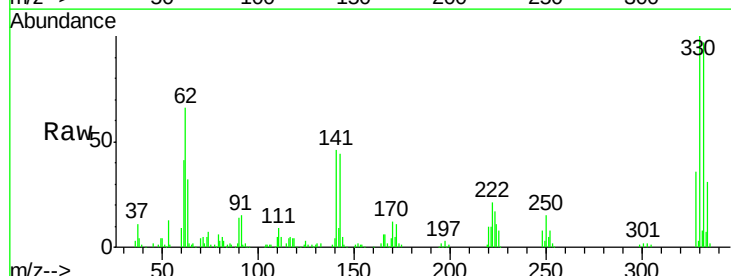


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

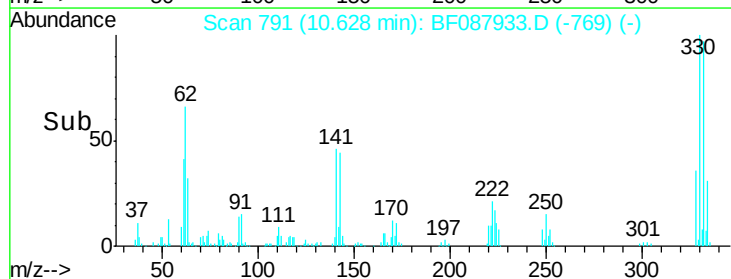
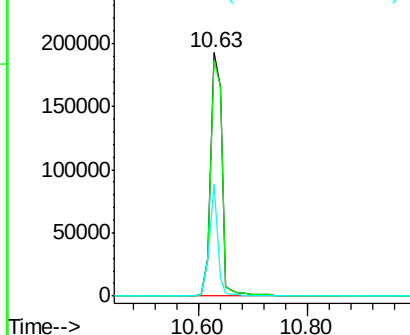


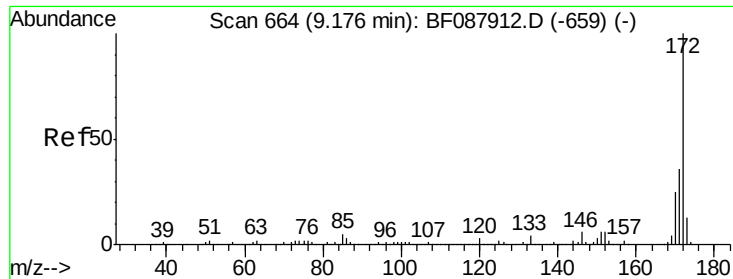
#41
2,4,6-Tribromophenol
Concen: 124.70 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.05 min
Lab File: BF087933.D
Acq: 12 Jun 2016 7:19

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	0.0	0.0#
141	33.9	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

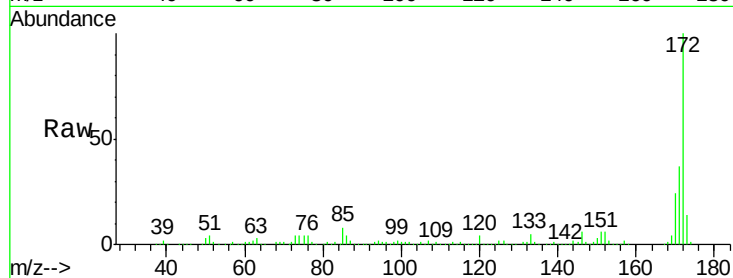




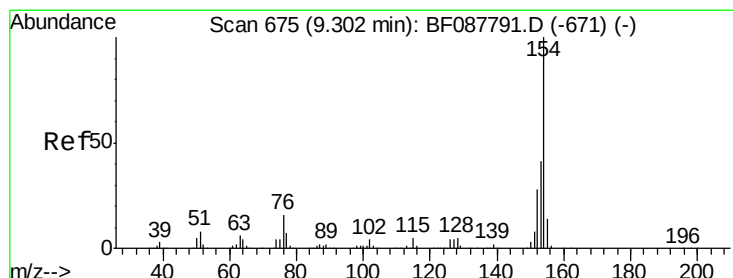
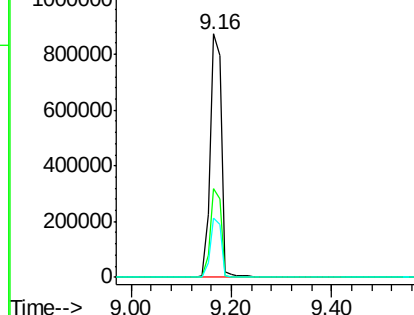
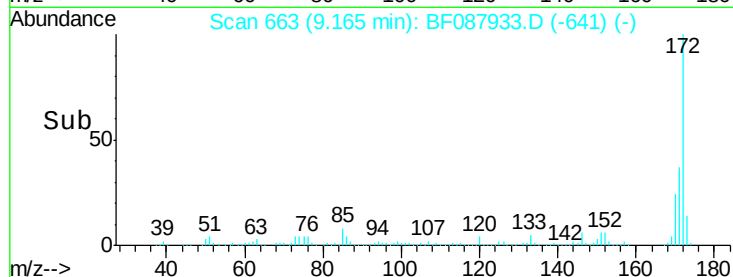
#44
 2-Fluorobiphenyl
 Concen: 99.21 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.05 min
 Lab File: BF087933.D
 Acq: 12 Jun 2016 7:19

Instrument :
 BNA_F
 ClientSampleId :
 MW-1

Tgt Ion:172 Resp: 1348666
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.6 43.0
 170 24.3 19.2 28.8

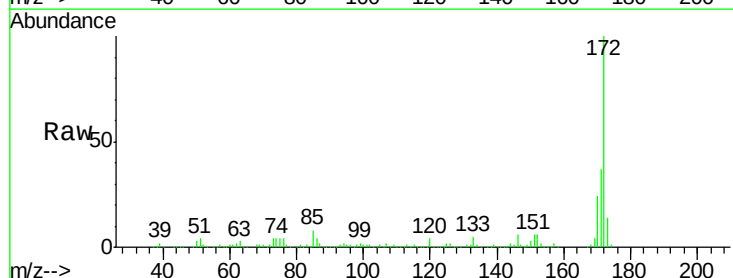


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

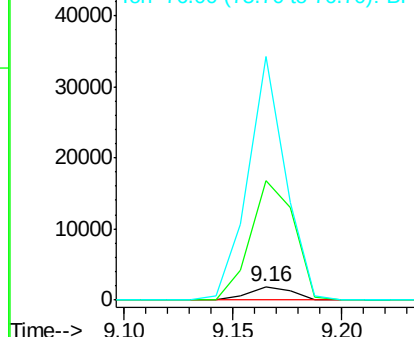
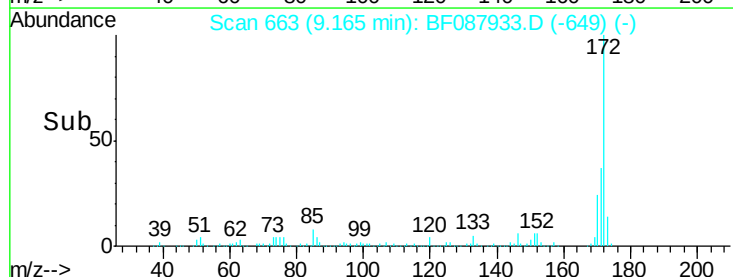


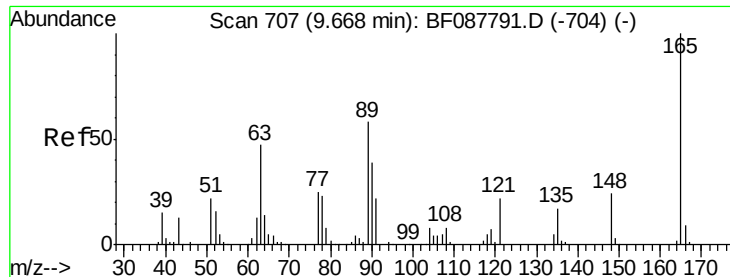
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.16 min Scan# 663
 Delta R.T. -0.14 min
 Lab File: BF087933.D
 Acq: 12 Jun 2016 7:19

Tgt Ion:154 Resp: 2522
 Ion Ratio Lower Upper
 154 100
 153 889.6 20.6 60.6#
 76 1807.5 0.0 35.1#



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

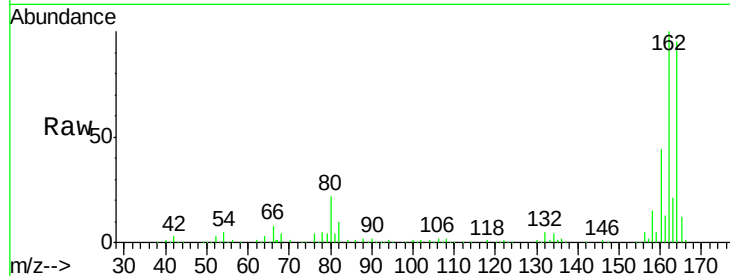




#50
 2,6-Dinitrotoluene
 Concen: 7.60 ng
 RT: 9.84 min Scan# 722
 Delta R.T. 0.17 min
 Lab File: BF087933.D
 Acq: 12 Jun 2016 7:19

Instrument :
 BNA_F
 ClientSampleId :
 MW-1

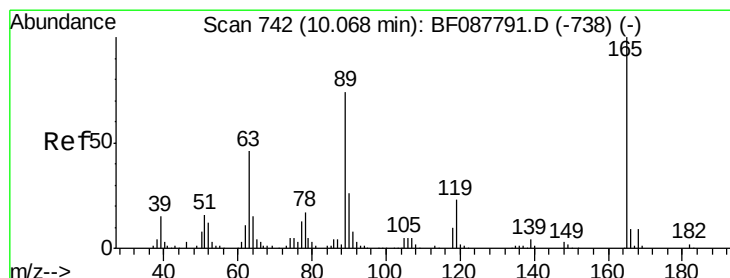
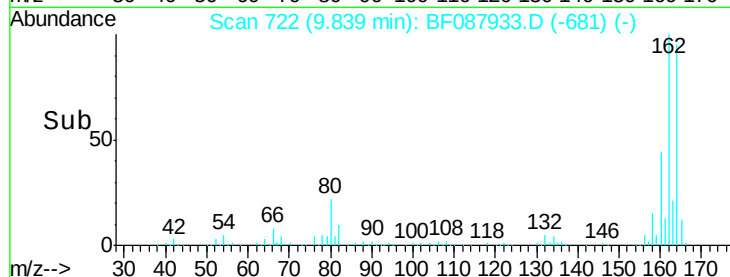
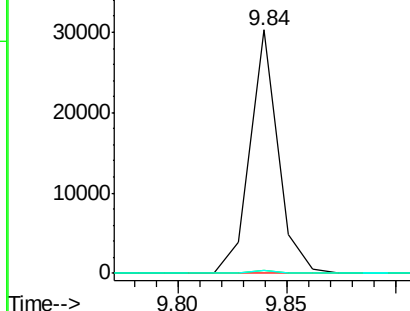
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	28.1	42.1#
89	1.4	32.2	48.2#



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: 5.91 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.23 min
 Lab File: BF087933.D
 Acq: 12 Jun 2016 7:19

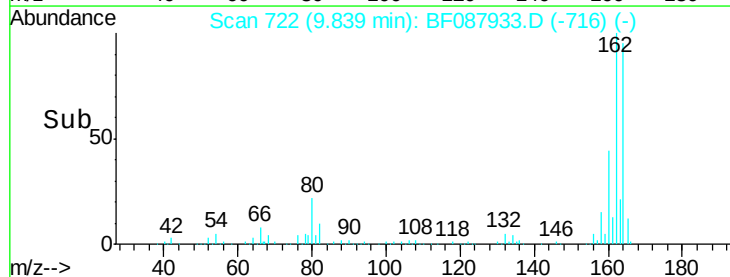
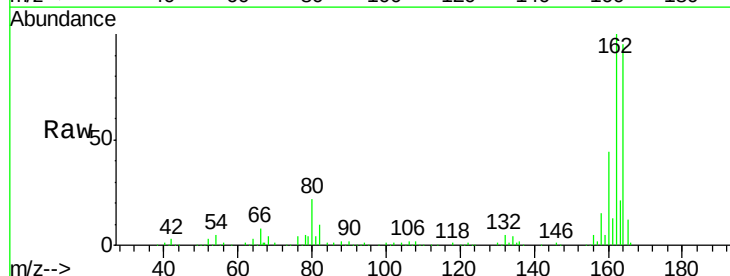
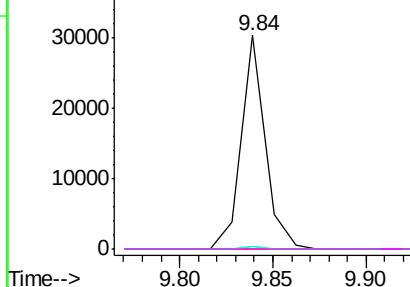
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	22.0	33.0#
89	1.4	41.1	61.7#
182	0.0	2.0	3.0#

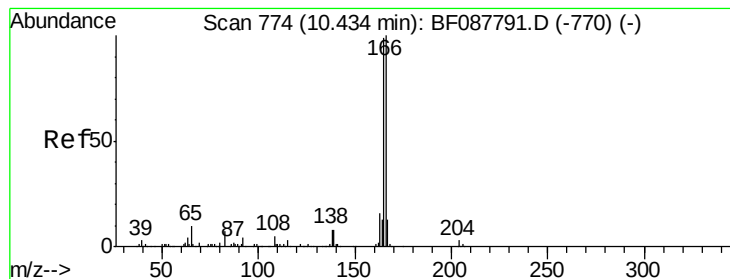
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: Below Cal

RT: 10.63 min Scan# 791

Delta R.T. 0.19 min

Lab File: BF087933.D

Acq: 12 Jun 2016 7:19

Instrument :

BNA_F

ClientSampleId :

MW-1

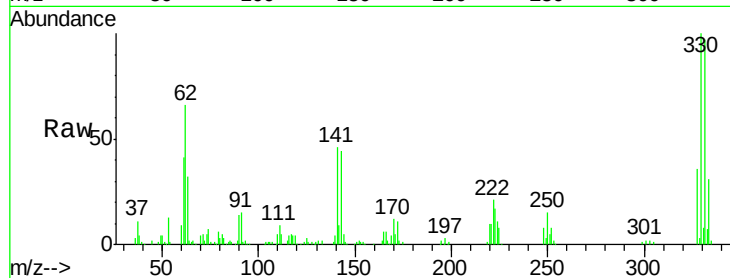
Tgt Ion:166 Resp: 12105

Ion Ratio Lower Upper

166 100

165 98.9 77.8 116.8

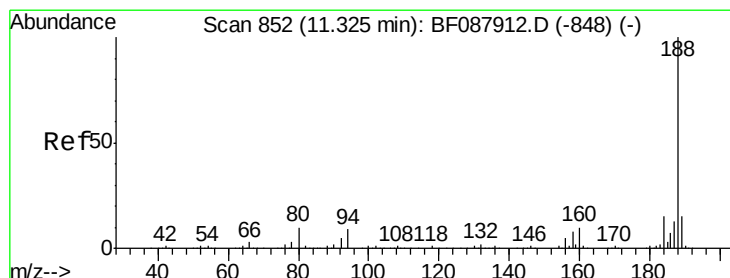
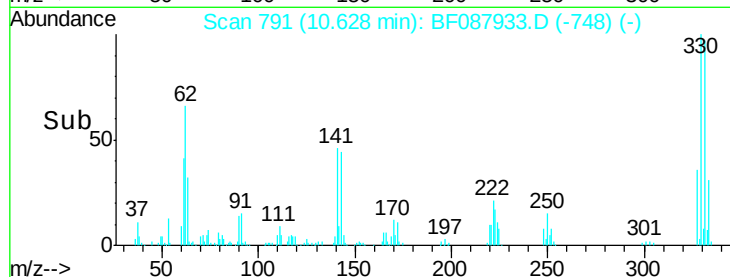
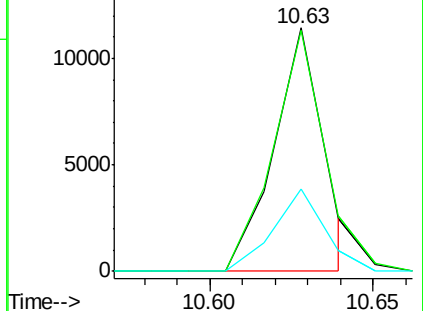
167 33.7 11.2 16.8#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF087933.D

Acq: 12 Jun 2016 7:19

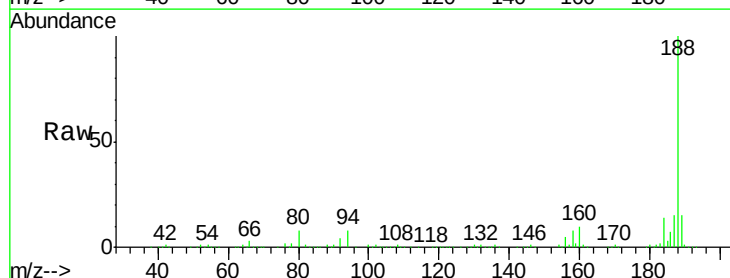
Tgt Ion:188 Resp: 415393

Ion Ratio Lower Upper

188 100

94 8.0 9.0 13.6#

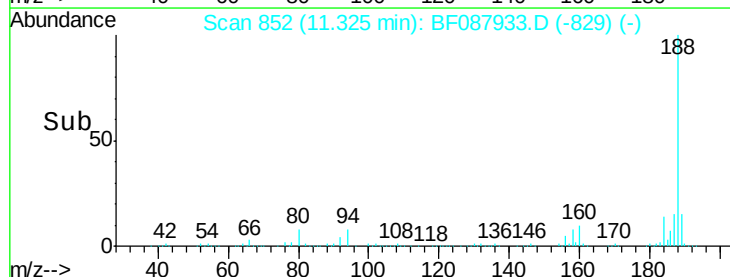
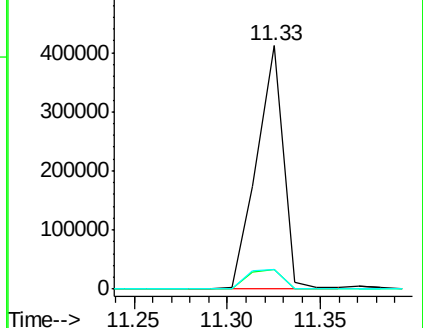
80 8.3 10.0 15.0#

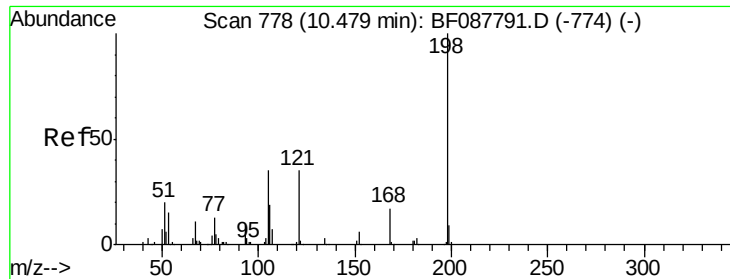


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

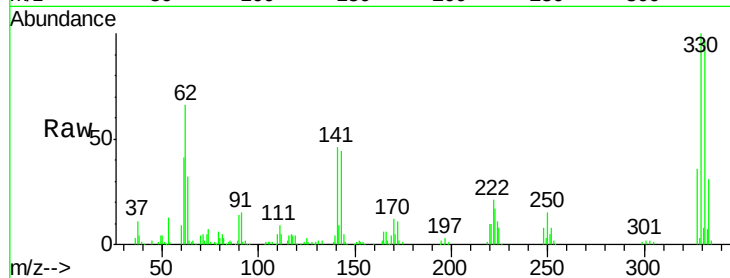




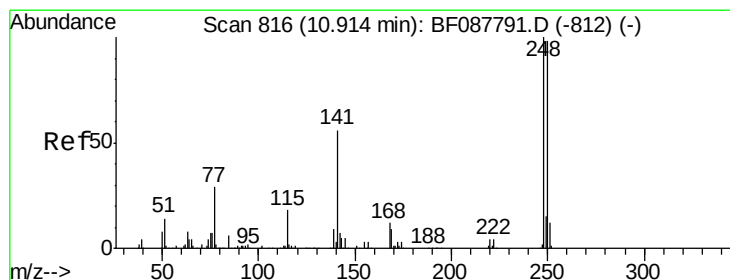
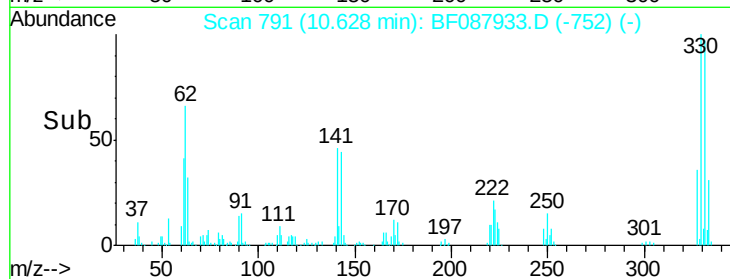
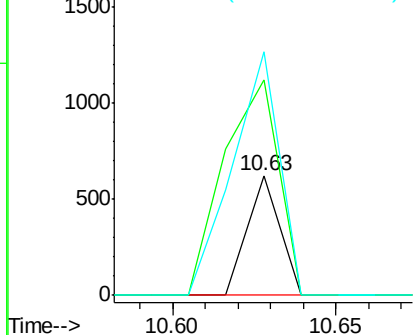
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.32 ng
 RT: 10.63 min Scan# 791
 Delta R.T. 0.15 min
 Lab File: BF087933.D
 Acq: 12 Jun 2016 7:19

Instrument :
 BNA_F
 ClientSampled :
 MW-1

Tgt Ion:198 Resp: 426
 Ion Ratio Lower Upper
 198 100
 51 179.7 39.6 79.6#
 105 203.5 36.6 76.6#

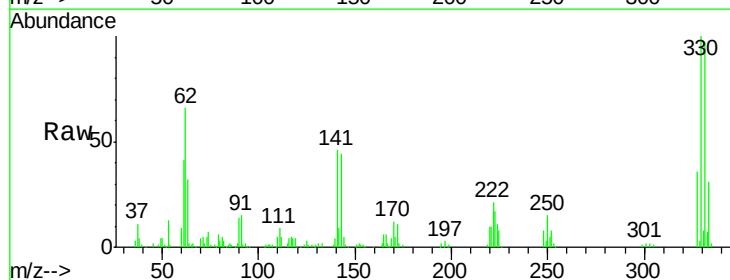


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

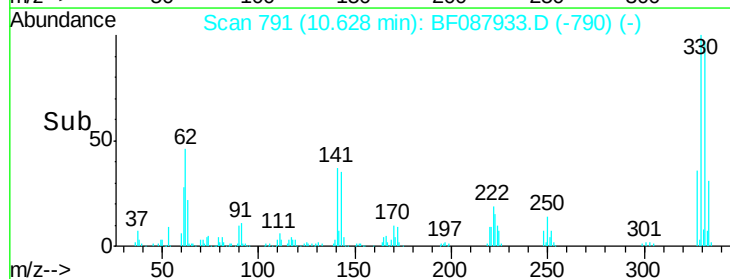
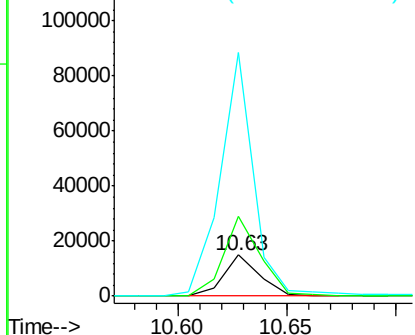


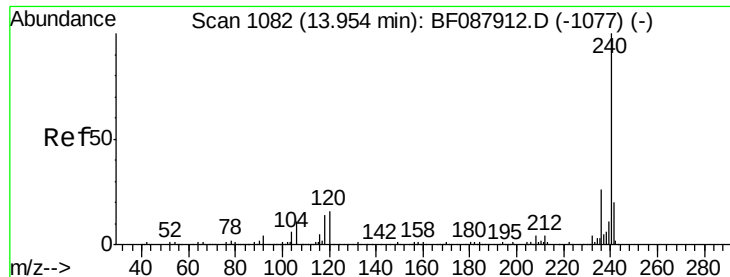
#66
 4-Bromophenyl-phenylether
 Concen: 3.79 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.29 min
 Lab File: BF087933.D
 Acq: 12 Jun 2016 7:19

Tgt Ion:248 Resp: 16880
 Ion Ratio Lower Upper
 248 100
 250 193.2 77.1 115.7#
 141 591.5 50.6 76.0#



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: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087933.D

Acq: 12 Jun 2016 7:19

Instrument :

BNA_F

ClientSampleId :

MW-1

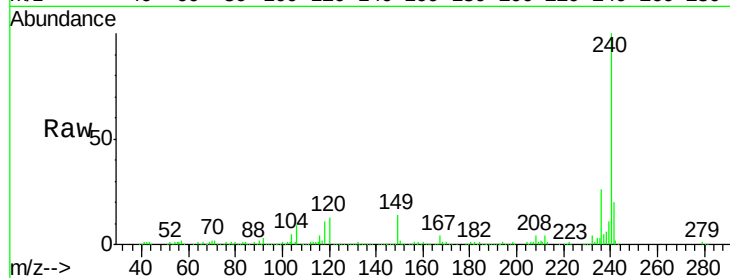
Tgt Ion:240 Resp: 320235

Ion Ratio Lower Upper

240 100

120 13.1 6.8 10.2#

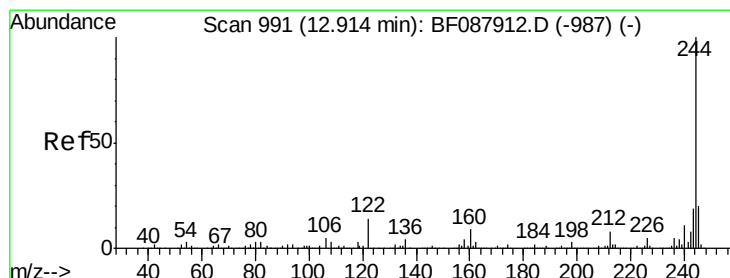
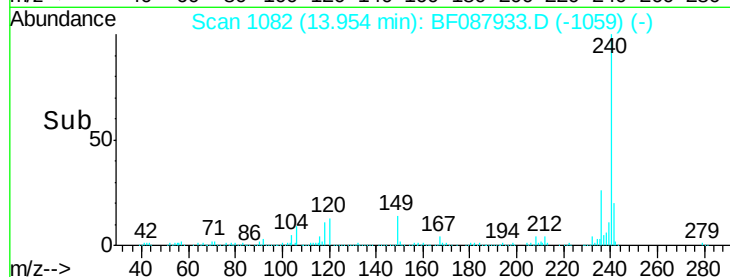
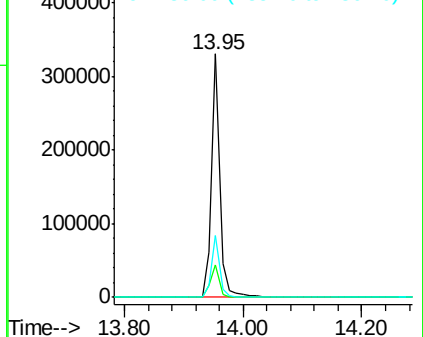
236 25.7 20.2 30.2



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: 72.88 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF087933.D

Acq: 12 Jun 2016 7:19

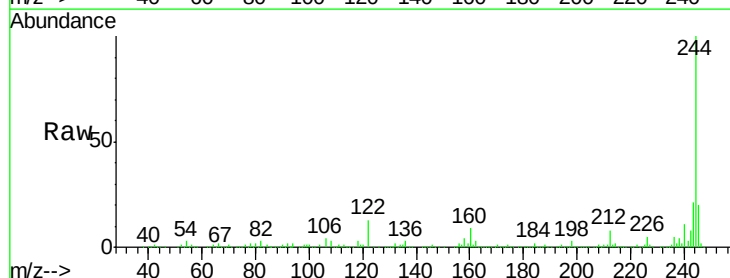
Tgt Ion:244 Resp: 1025695

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

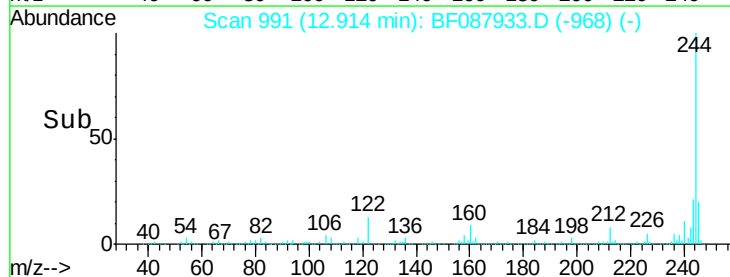
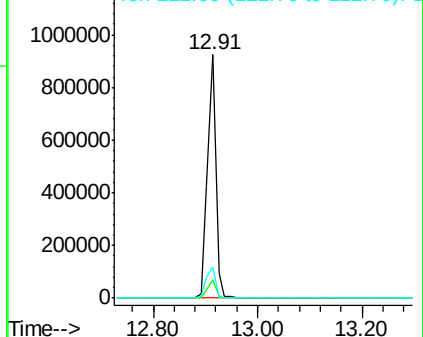
122 13.0 11.2 16.8

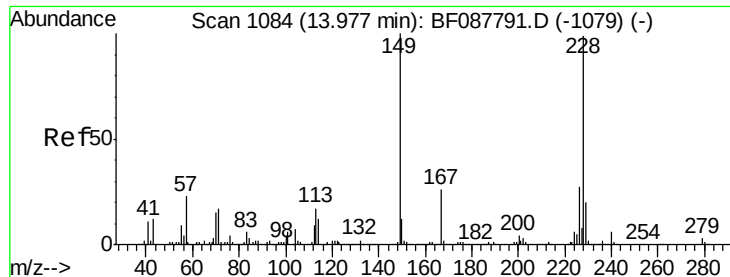


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.59 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.02 min

Lab File: BF087933.D

Acq: 12 Jun 2016 7:19

Instrument :

BNA_F

ClientSampleId :

MW-1

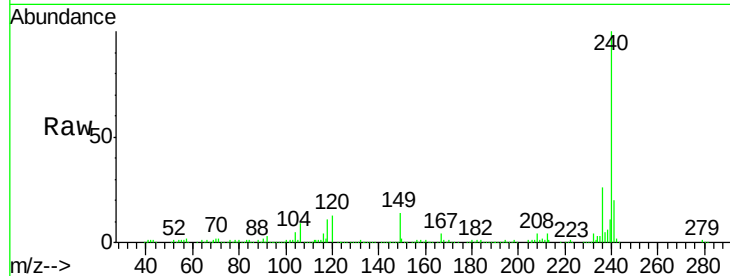
Tgt Ion:149 Resp: 58719

Ion Ratio Lower Upper

149 100

167 27.2 20.5 30.7

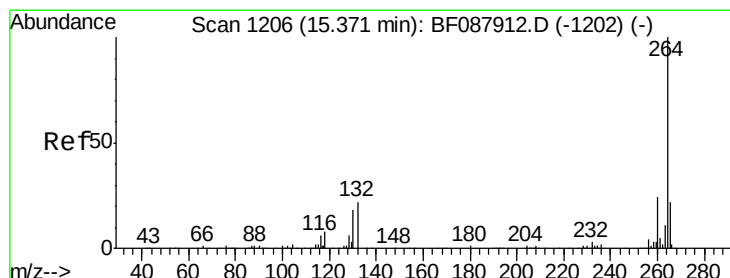
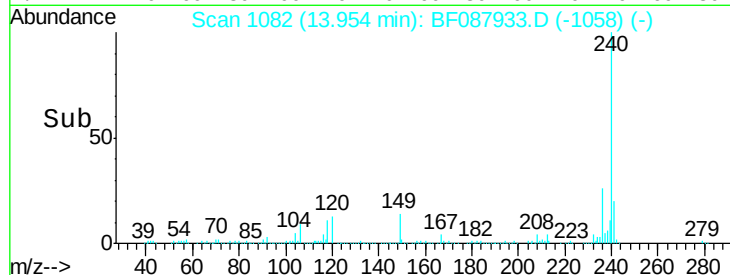
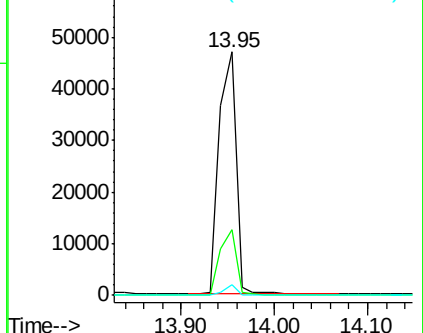
279 4.2 2.0 3.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.37 min Scan# 1206

Delta R.T. -0.02 min

Lab File: BF087933.D

Acq: 12 Jun 2016 7:19

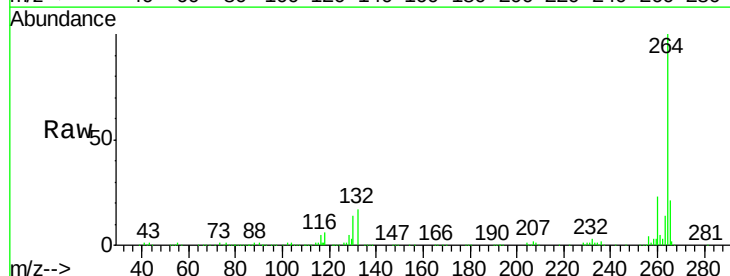
Tgt Ion:264 Resp: 244101

Ion Ratio Lower Upper

264 100

260 23.5 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

