

Data Path : Z:\HPCHEM1\BNA_F\Data\BF050616\
 Data File : BF086767.D
 Acq On : 7 May 2016 11:53
 Operator : UM/SJ
 Sample : H2831-03
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1

Quant Time: May 07 23:36:52 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

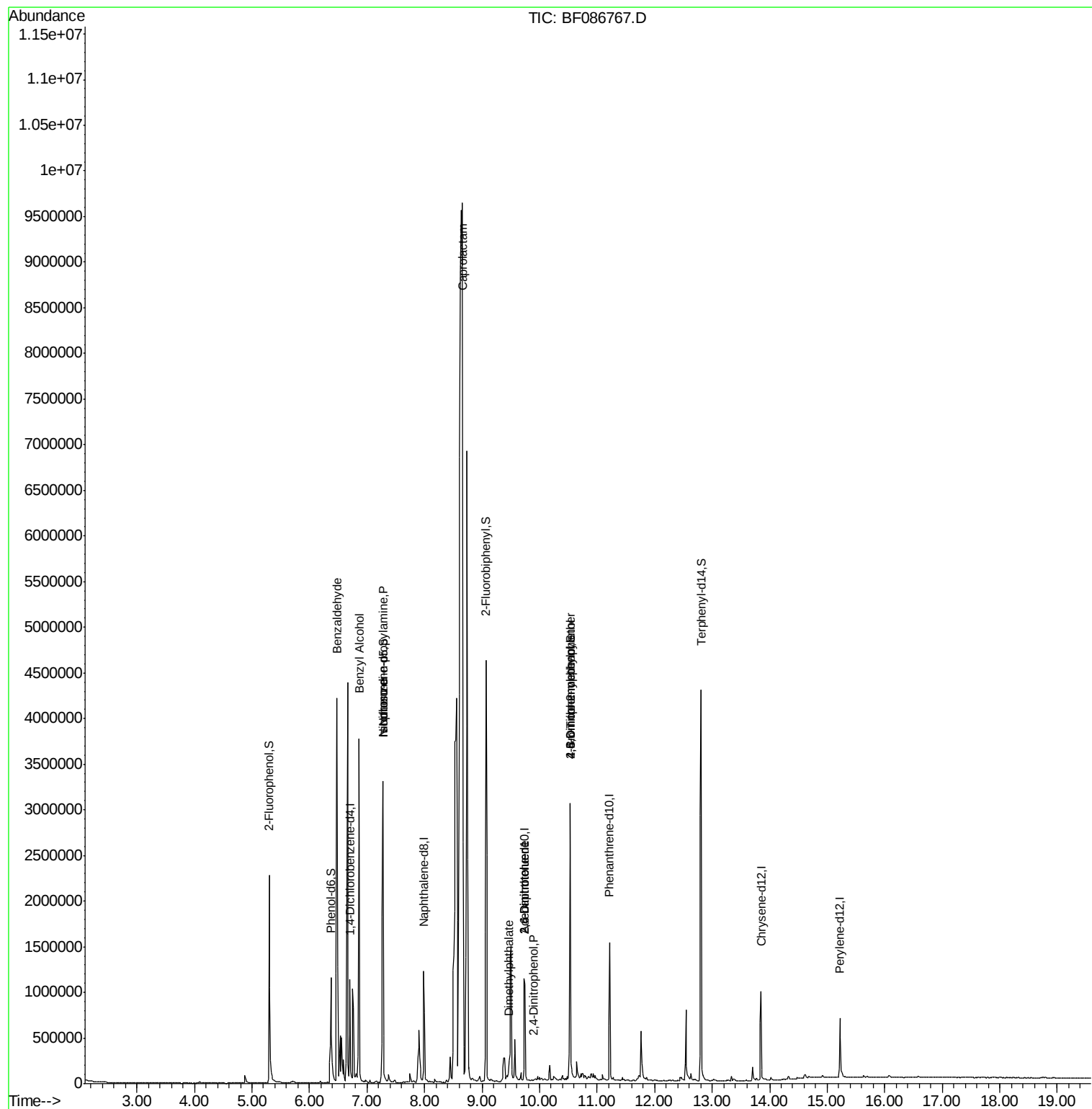
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	176618	40.00	ng	-0.03
21) Naphthalene-d8	7.98	136	688608	40.00	ng	-0.05
38) Acenaphthene-d10	9.73	164	322487	40.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	585627	40.00	ng	-0.03
75) Chrysene-d12	13.85	240	442920	40.00	ng	-0.03
86) Perylene-d12	15.22	264	324416	40.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	688009	64.49	ng	-0.02
7) Phenol-d6	6.37	99	602167	41.90	ng	0.00
23) Nitrobenzene-d5	7.28	82	1184514	88.39	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	518368	164.32	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	2004060	101.87	ng	-0.03
78) Terphenyl-d14	12.81	244	1673593	76.36	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.48	77	32461	4.53	ng	# 73
15) Benzyl Alcohol	6.86	79	22949	2.47	ng	# 37
19) n-Nitroso-di-n-propylamine	7.28	70	167501	17.06	ng	# 72
25) Isophorone	7.28	82	1150138	46.09	ng	# 68
35) Caprolactam	8.66	113	8418	2.91	ng	# 1
49) Dimethylphthalate	9.47	163	48892	2.03	ng	98
50) 2,6-Dinitrotoluene	9.73	165	40909	7.93	ng	# 21
53) 2,4-Dinitrophenol	9.89	184	314	9.07	ng	# 46
56) 2,4-Dinitrotoluene	9.73	165	41145	6.44	ng	# 17
64) 4,6-Dinitro-2-methylphenol	10.53	198	1278	5.70	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	31482	5.41	ng	# 1

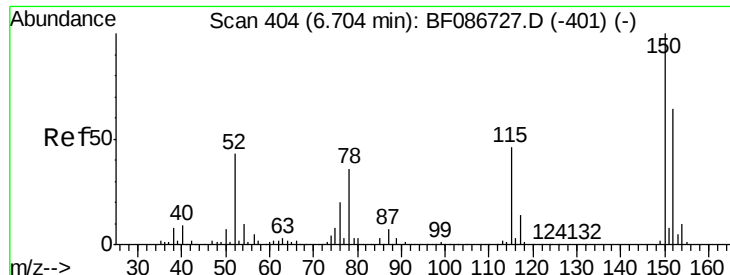
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.70 min Scan# 404

Delta R.T. -0.03 min

Lab File: BF086767.D

Acq: 7 May 2016 11:53

Instrument :

BNA_F

ClientSampleId :

MW-1

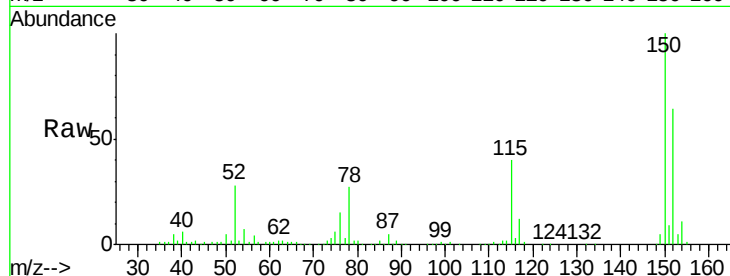
Tgt Ion:152 Resp: 176618

Ion Ratio Lower Upper

152 100

150 155.7 125.8 188.6

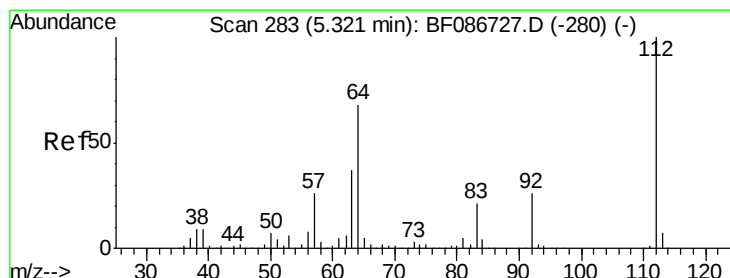
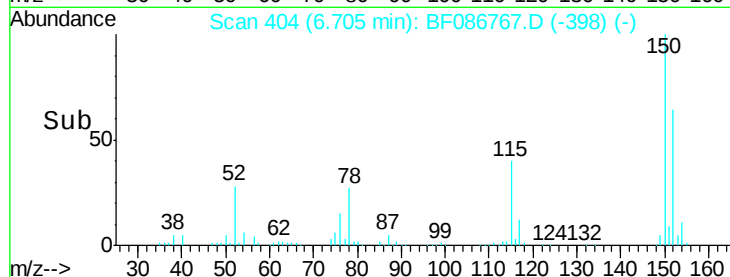
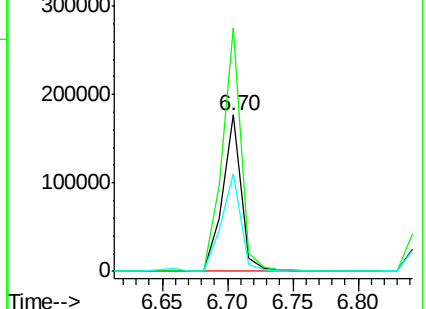
115 62.2 51.5 77.3



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: 64.49 ng

RT: 5.30 min Scan# 281

Delta R.T. -0.02 min

Lab File: BF086767.D

Acq: 7 May 2016 11:53

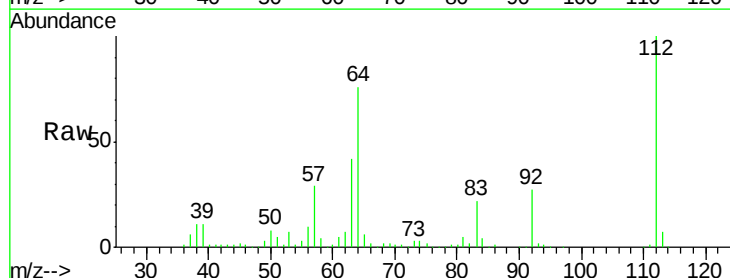
Tgt Ion:112 Resp: 688009

Ion Ratio Lower Upper

112 100

64 76.2 52.1 78.1

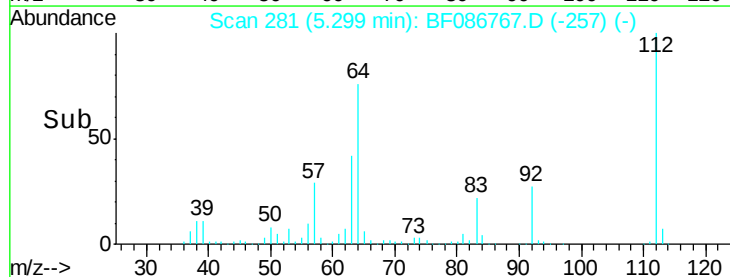
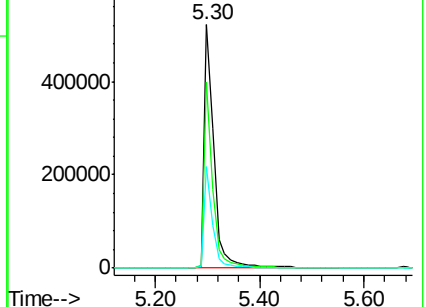
63 41.9 25.7 38.5#

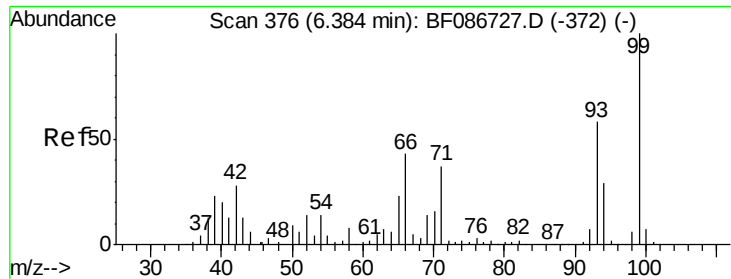


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 41.90 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF086767.D

Acq: 7 May 2016 11:53

Instrument :

BNA_F

ClientSampleId :

MW-1

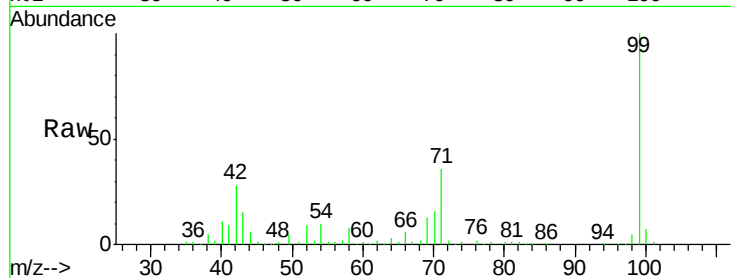
Tgt Ion: 99 Resp: 602167

Ion Ratio Lower Upper

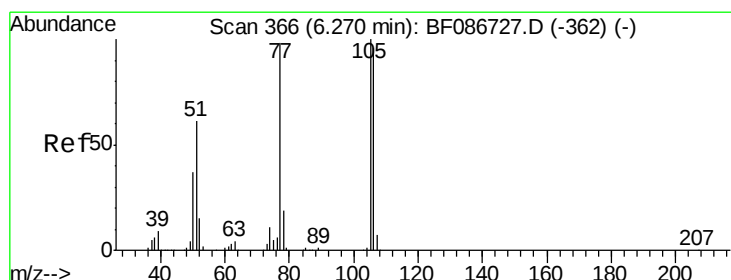
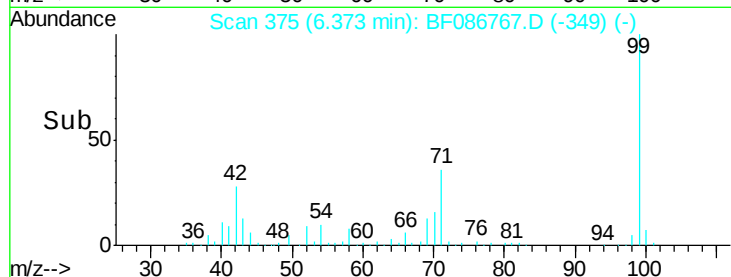
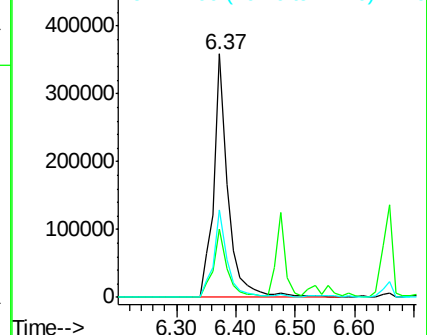
99 100

42 28.0 13.6 20.4#

71 35.9 24.6 36.8



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



#9

Benzaldehyde

Concen: 4.53 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.19 min

Lab File: BF086767.D

Acq: 7 May 2016 11:53

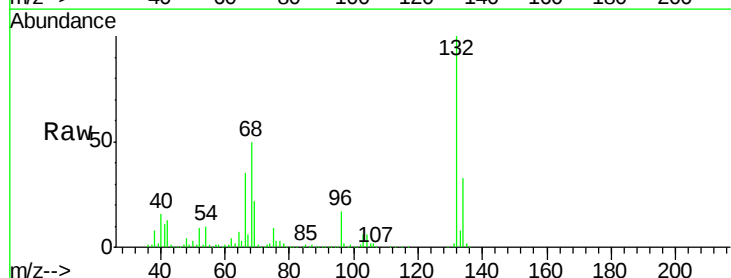
Tgt Ion: 77 Resp: 32461

Ion Ratio Lower Upper

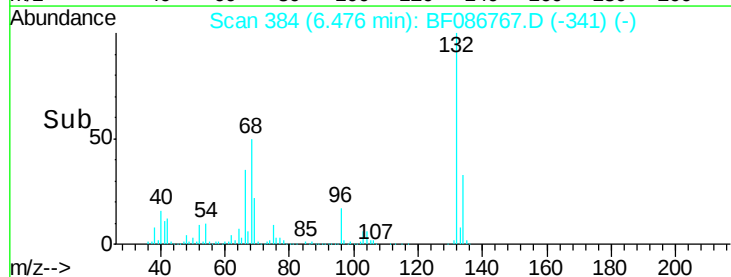
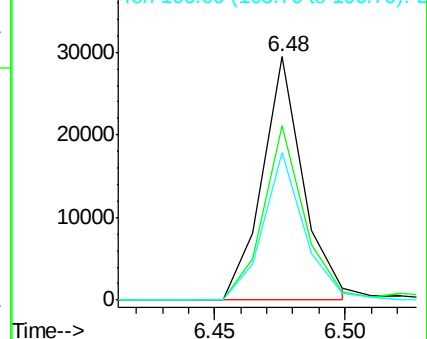
77 100

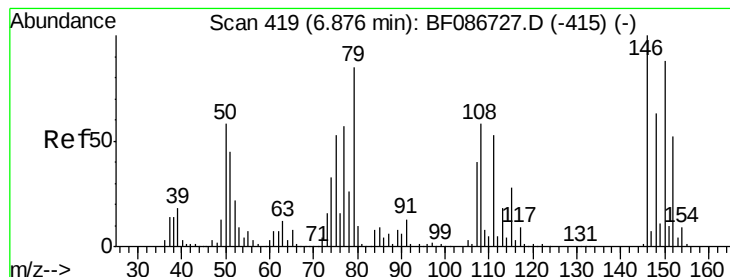
105 71.5 72.7 112.7#

106 60.5 70.8 110.8#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.47 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.02 min

Lab File: BF086767.D

Acq: 7 May 2016 11:53

Instrument :

BNA_F

ClientSampleId :

MW-1

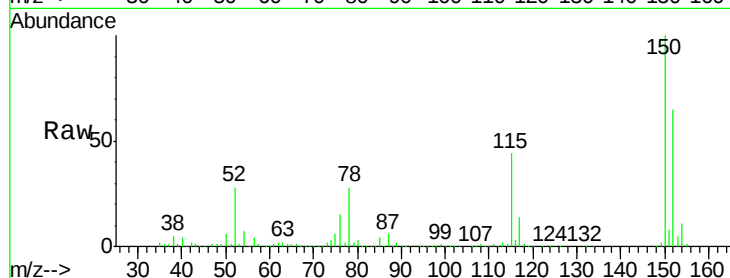
Tgt Ion: 79 Resp: 22949

Ion Ratio Lower Upper

79 100

108 37.0 68.4 102.6#

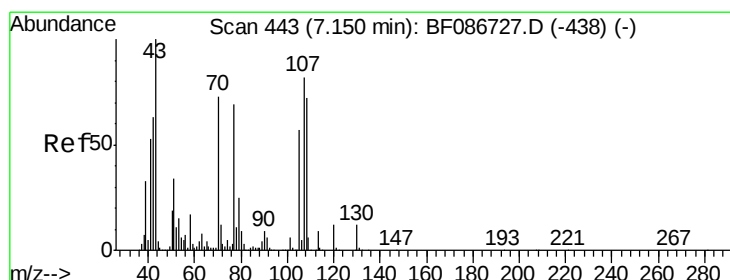
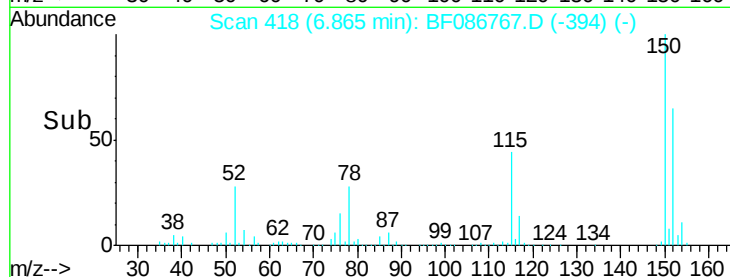
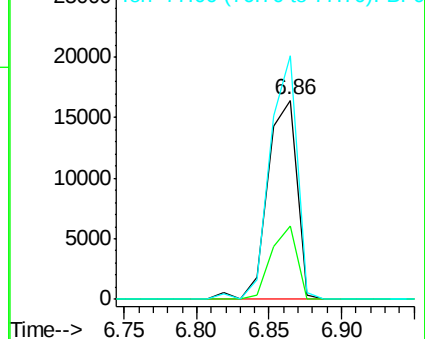
77 122.5 50.6 76.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 17.06 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.11 min

Lab File: BF086767.D

Acq: 7 May 2016 11:53

Tgt Ion: 70 Resp: 167501

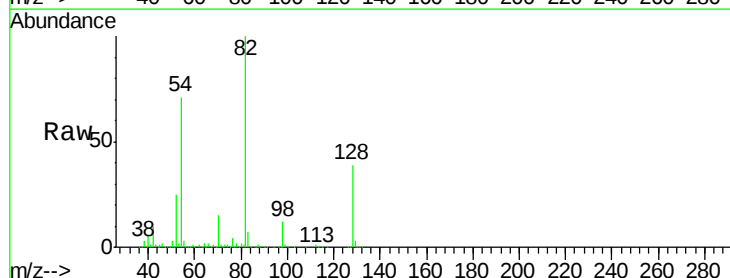
Ion Ratio Lower Upper

70 100

42 69.7 43.1 64.7#

101 0.0 8.1 12.1#

130 2.0 18.6 28.0#

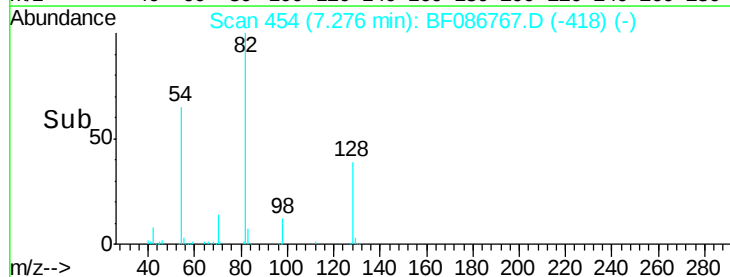
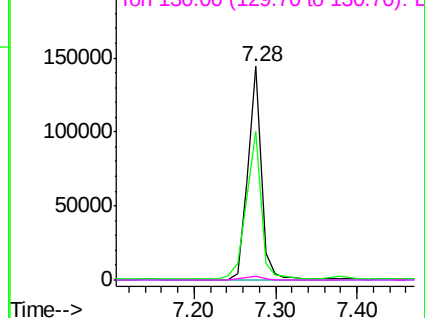


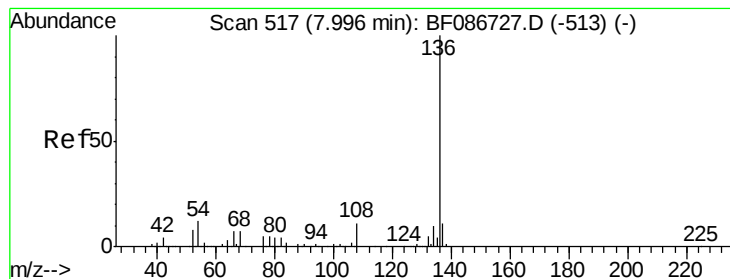
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 40.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.05 min

Lab File: BF086767.D

Acq: 7 May 2016 11:53

Instrument :

BNA_F

ClientSampleId :

MW-1

Tgt Ion:136 Resp: 688608

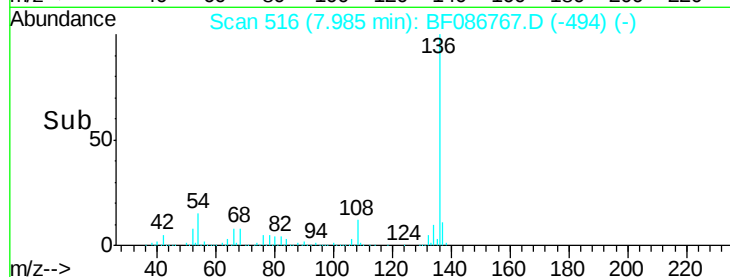
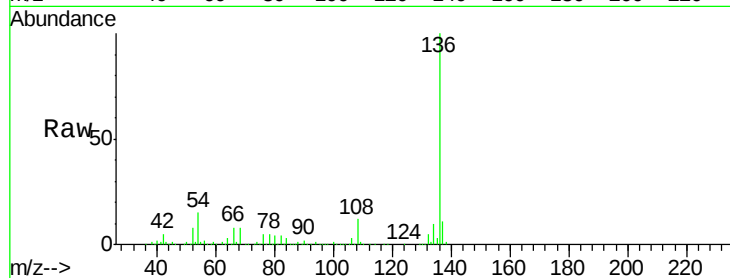
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 14.9 5.0 7.4#

68 7.9 4.4 6.6#

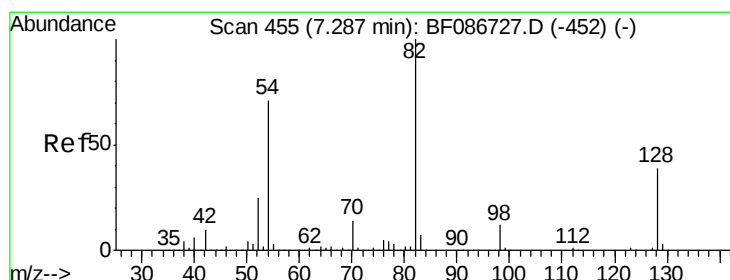
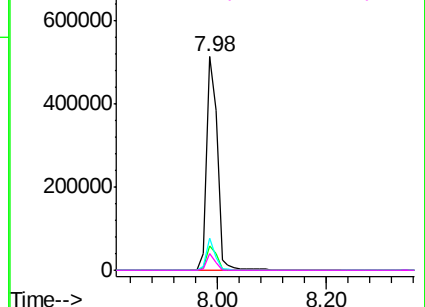


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.39 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.03 min

Lab File: BF086767.D

Acq: 7 May 2016 11:53

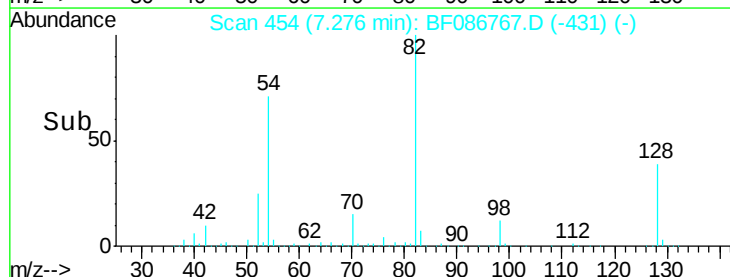
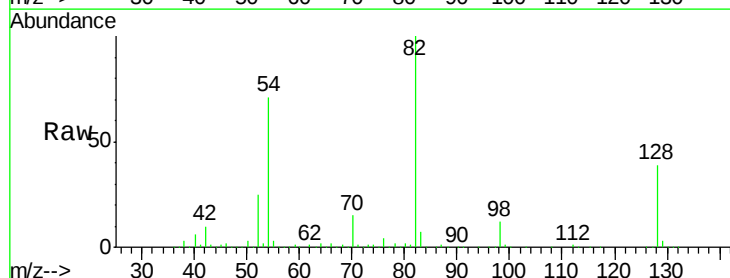
Tgt Ion: 82 Resp: 1184514

Ion Ratio Lower Upper

82 100

128 39.0 40.6 61.0#

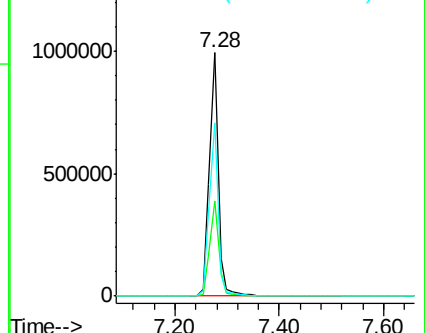
54 71.2 38.1 57.1#

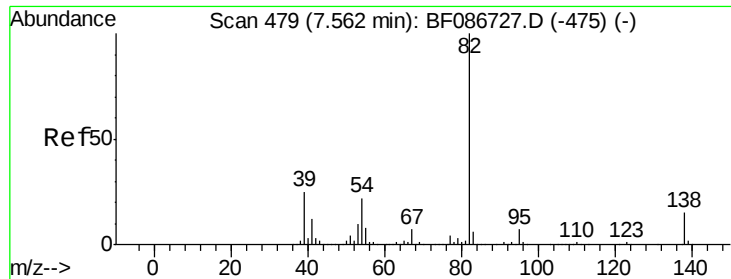


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 46.09 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.30 min

Lab File: BF086767.D

Acq: 7 May 2016 11:53

Instrument :

BNA_F

ClientSampled :

MW-1

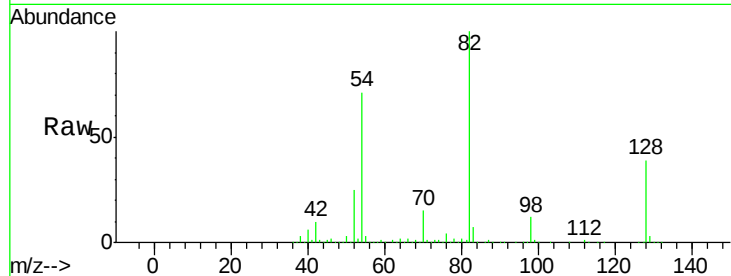
Tgt Ion: 82 Resp: 1150138

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

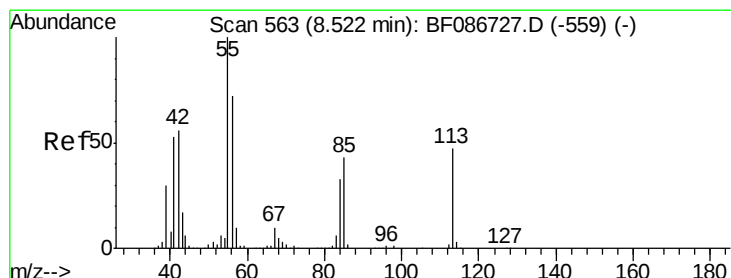
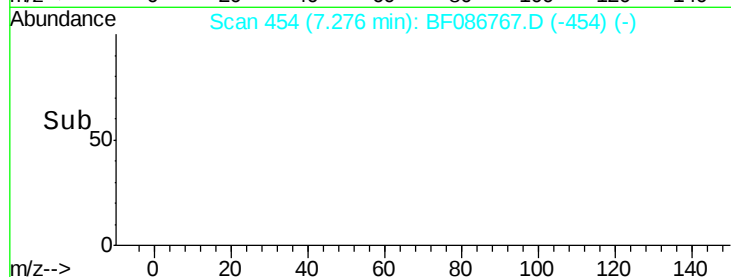
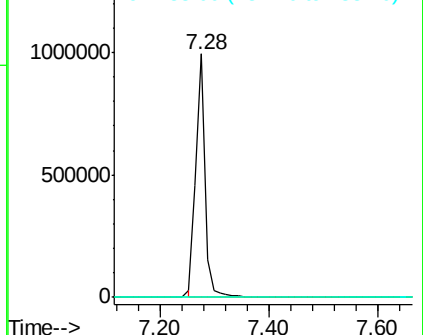
138 0.0 12.4 18.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#35

Caprolactam

Concen: 2.91 ng

RT: 8.66 min Scan# 575

Delta R.T. 0.18 min

Lab File: BF086767.D

Acq: 7 May 2016 11:53

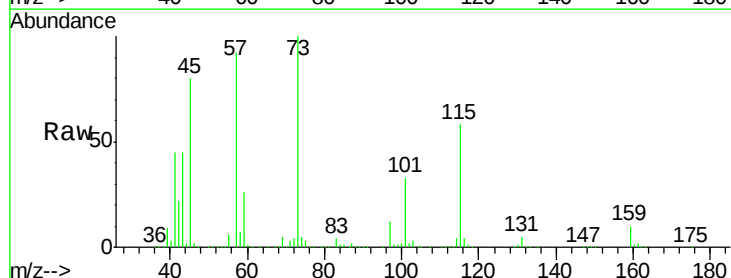
Tgt Ion: 113 Resp: 8418

Ion Ratio Lower Upper

113 100

55 3826.0 162.0 202.0#

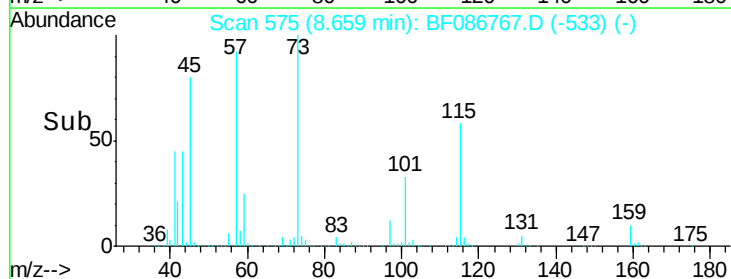
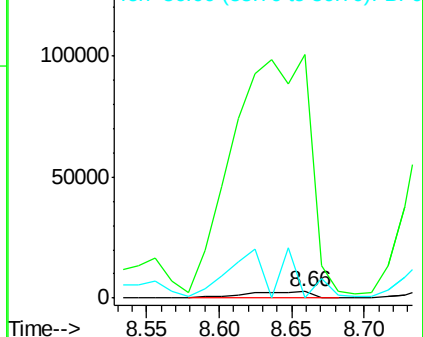
56 0.0 115.3 155.3#

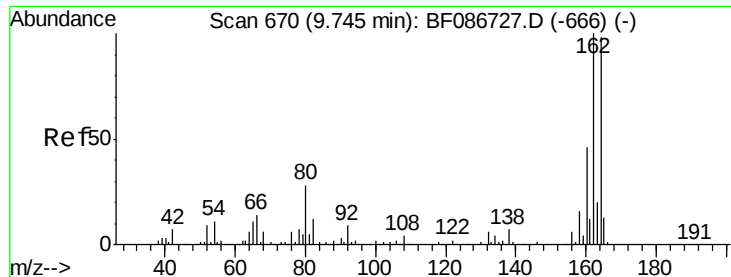


Abundance Ion 113.00 (112.70 to 113.70): BF0

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





#38

Acenaphthene-d10

Concen: 40.00 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.05 min

Lab File: BF086767.D

Acq: 7 May 2016 11:53

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MW-1

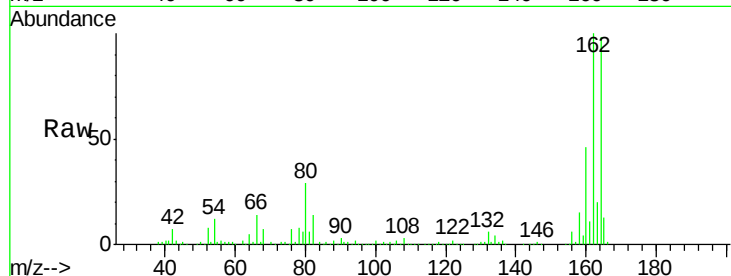
Tgt Ion:164 Resp: 322487

Ion Ratio Lower Upper

164 100

162 102.2 82.8 124.2

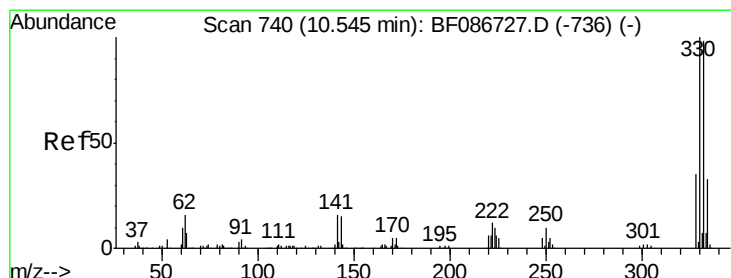
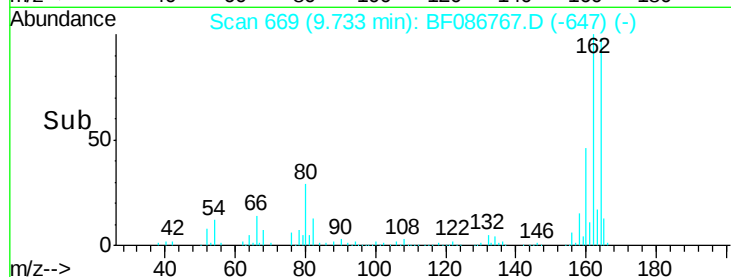
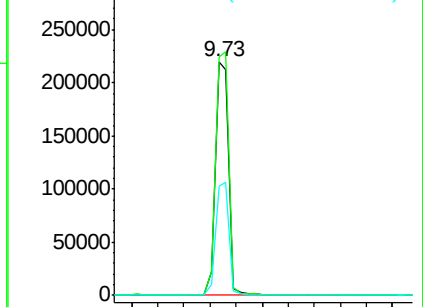
160 46.6 36.9 55.3



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: 164.32 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.03 min

Lab File: BF086767.D

Acq: 7 May 2016 11:53

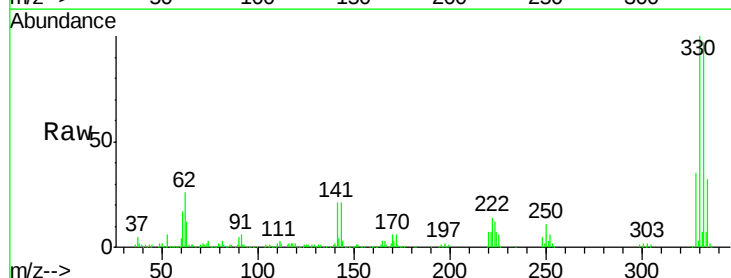
Tgt Ion:330 Resp: 518368

Ion Ratio Lower Upper

330 100

332 96.1 79.0 118.4

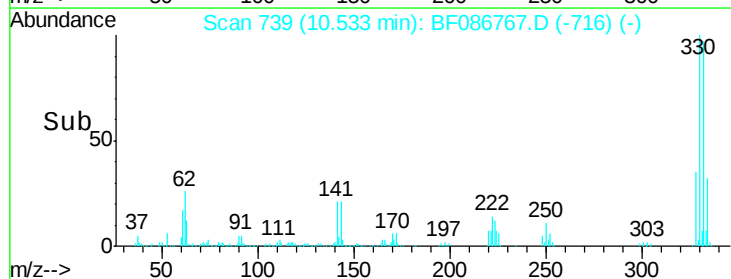
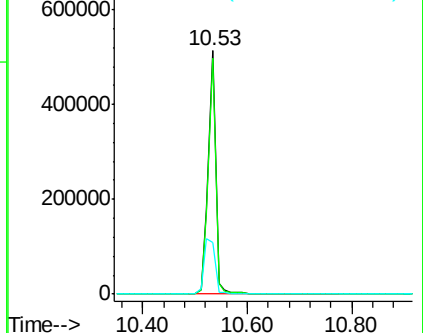
141 33.9 31.2 46.8

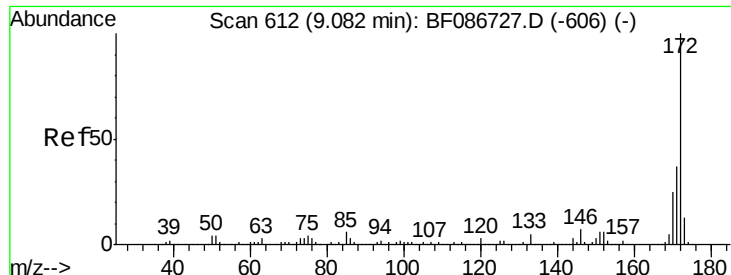


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

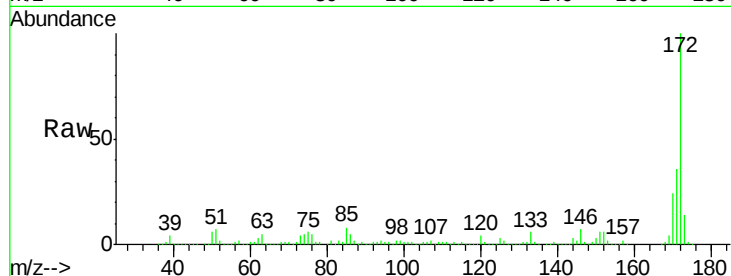




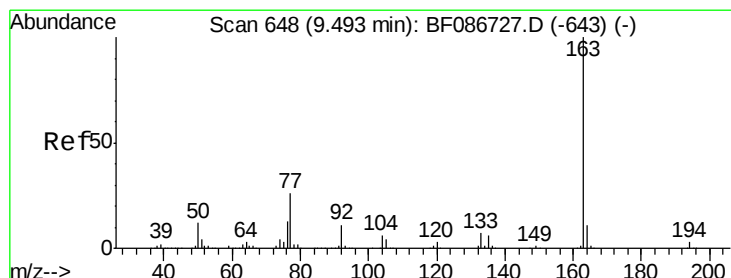
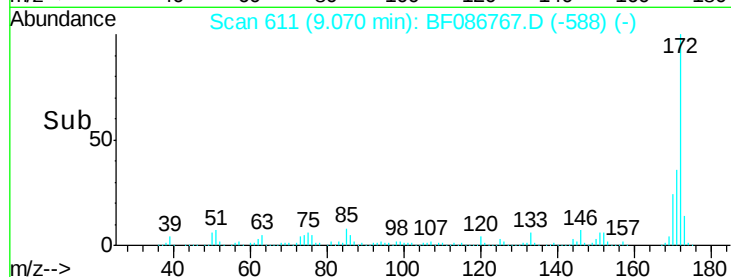
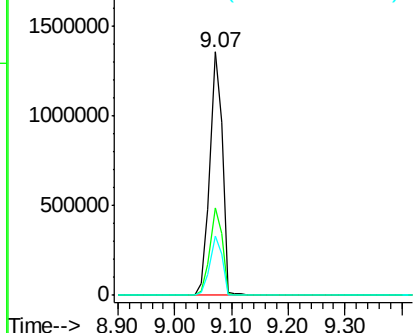
#44
2-Fluorobiphenyl
Concen: 101.87 ng
RT: 9.07 min Scan# 611
Delta R.T. -0.03 min
Lab File: BF086767.D
Acq: 7 May 2016 11:53

Instrument :
BNA_F
ClientSampleId :
MW-1

Tgt Ion:172 Resp: 2004060
Ion Ratio Lower Upper
172 100
171 35.8 29.0 43.6
170 24.5 19.8 29.8

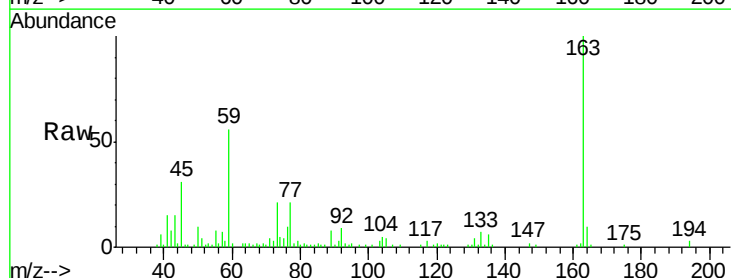


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

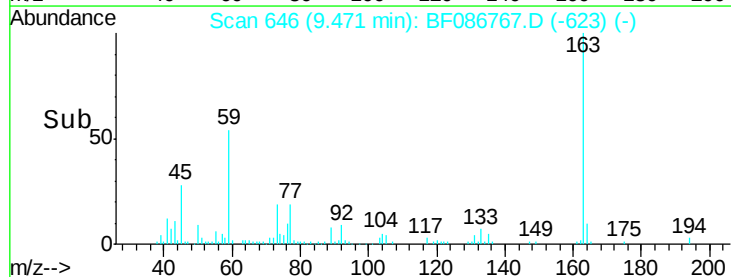
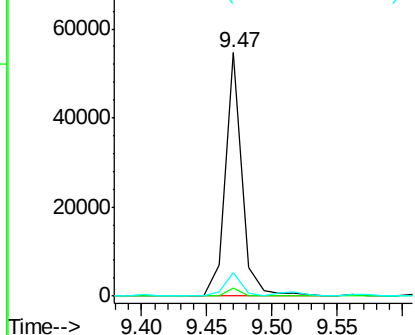


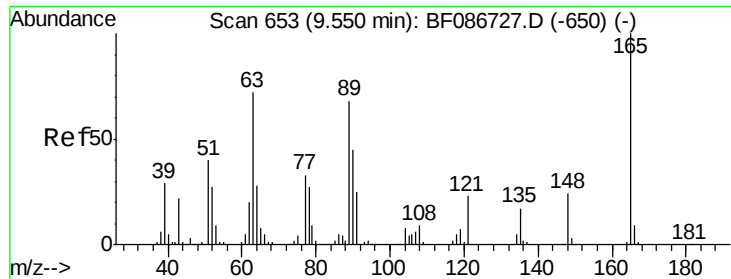
#49
Dimethylphthalate
Concen: 2.03 ng
RT: 9.47 min Scan# 646
Delta R.T. -0.03 min
Lab File: BF086767.D
Acq: 7 May 2016 11:53

Tgt Ion:163 Resp: 48892
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.6 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

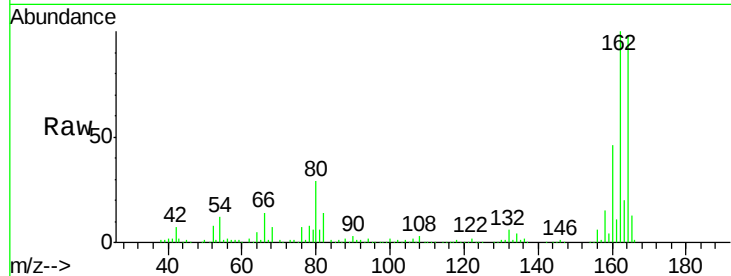




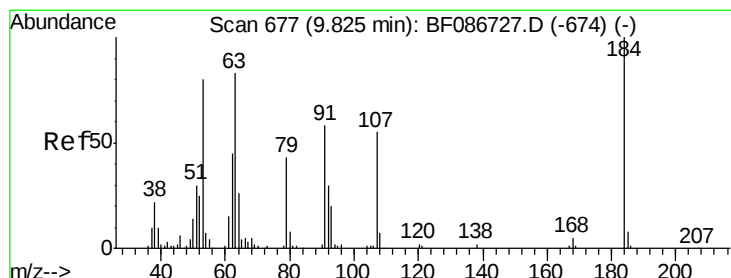
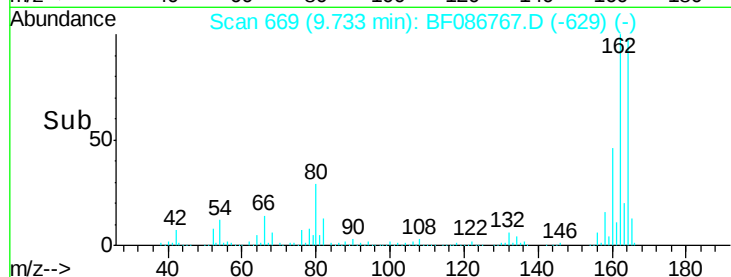
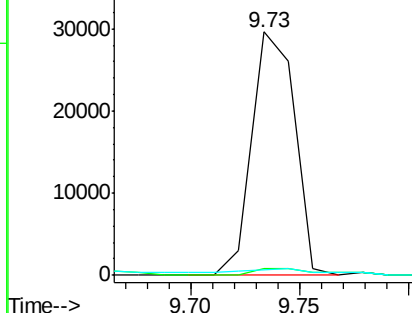
#50
 2,6-Dinitrotoluene
 Concen: 7.93 ng
 RT: 9.73 min Scan# 669
 Delta R.T. 0.16 min
 Lab File: BF086767.D
 Acq: 7 May 2016 11:53

Instrument :
 BNA_F
 ClientSampleId :
 MW-1

Tgt Ion:165 Resp: 40909
 Ion Ratio Lower Upper
 165 100
 63 2.6 51.8 77.8#
 89 2.4 50.7 76.1#

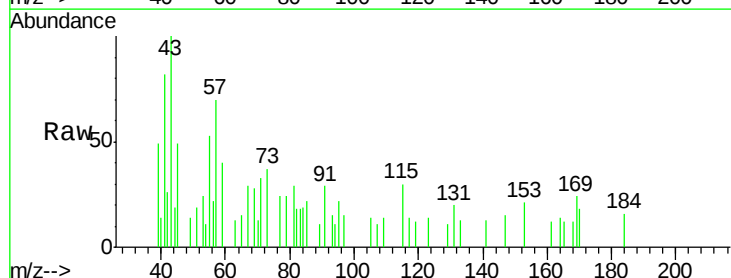


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

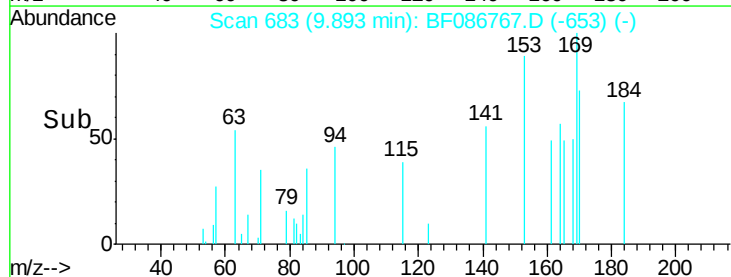
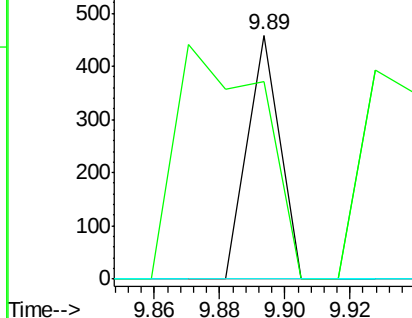


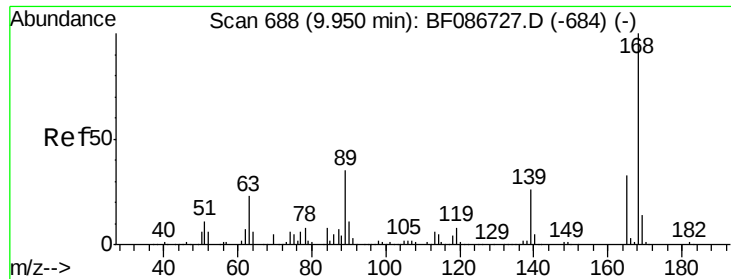
#53
 2,4-Dinitrophenol
 Concen: 9.07 ng
 RT: 9.89 min Scan# 683
 Delta R.T. 0.05 min
 Lab File: BF086767.D
 Acq: 7 May 2016 11:53

Tgt Ion:184 Resp: 314
 Ion Ratio Lower Upper
 184 100
 63 81.2 55.8 83.8
 154 0.0 62.4 93.6#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

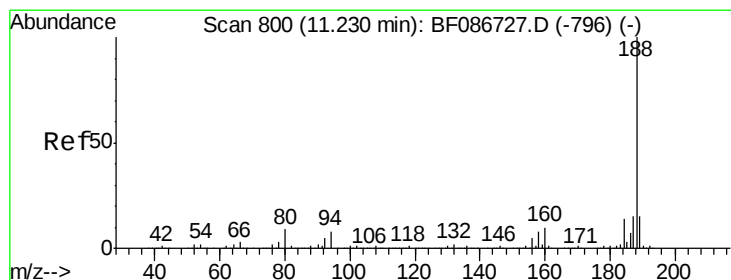
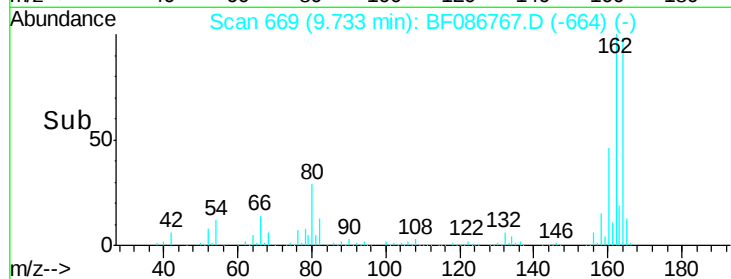
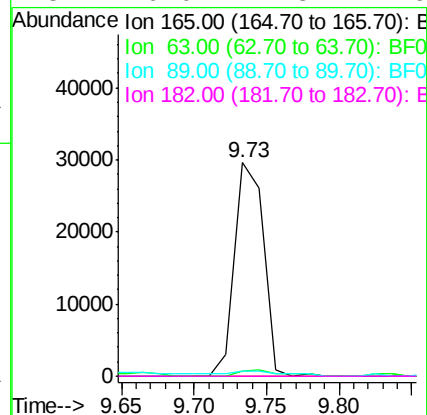
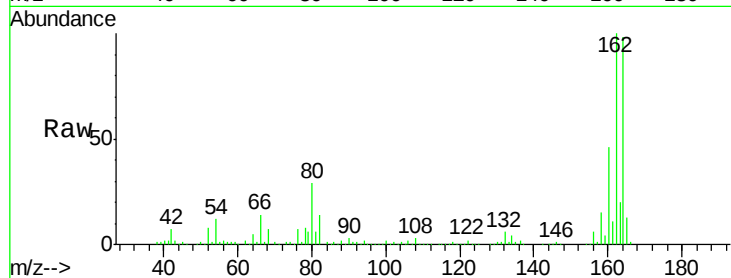




#56
 2,4-Dinitrotoluene
 Concen: 6.44 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.24 min
 Lab File: BF086767.D
 Acq: 7 May 2016 11:53

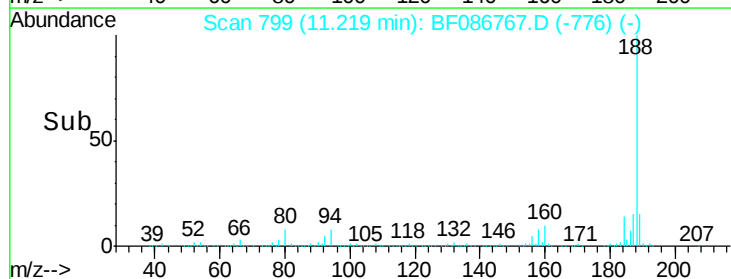
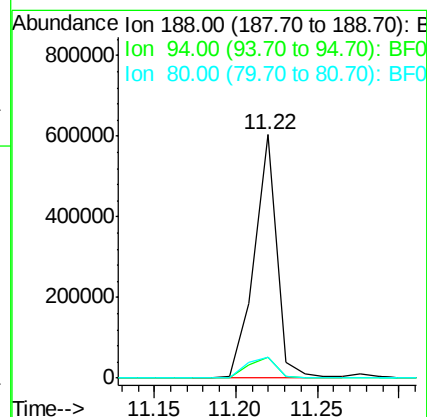
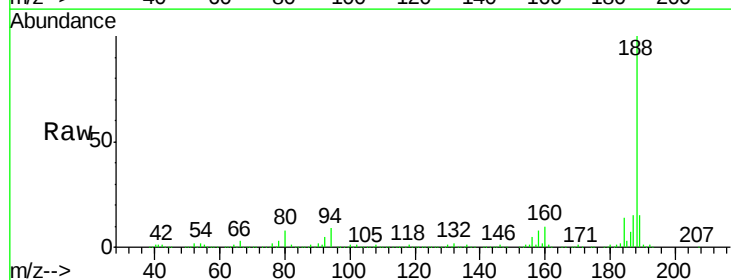
Instrument :
 BNA_F
 ClientSampleId :
 MW-1

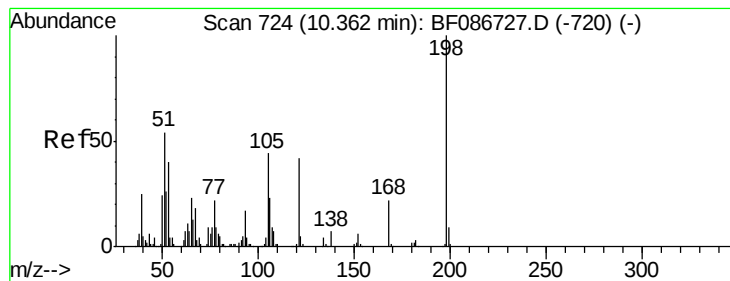
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.6	44.3	66.5#
89	2.4	70.0	105.0#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 40.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. -0.03 min
 Lab File: BF086767.D
 Acq: 7 May 2016 11:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.8	10.2
80	8.4	7.1	10.7





#64

4,6-Dinitro-2-methylphenol

Concen: 5.70 ng

RT: 10.53 min Scan# 739

Delta R.T. 0.16 min

Lab File: BF086767.D

Acq: 7 May 2016 11:53

Instrument :

BNA_F

ClientSampleId :

MW-1

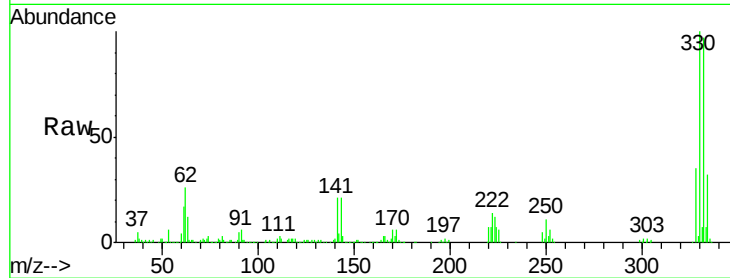
Tgt Ion:198 Resp: 1278

Ion Ratio Lower Upper

198 100

51 173.1 20.5 60.5#

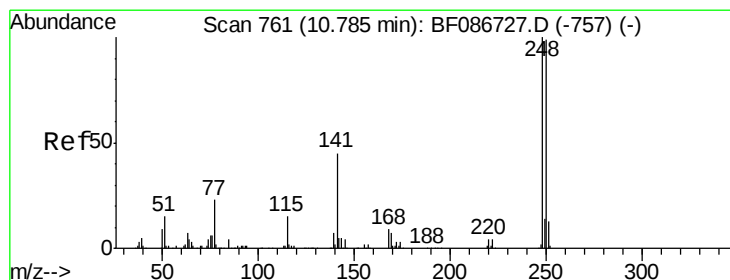
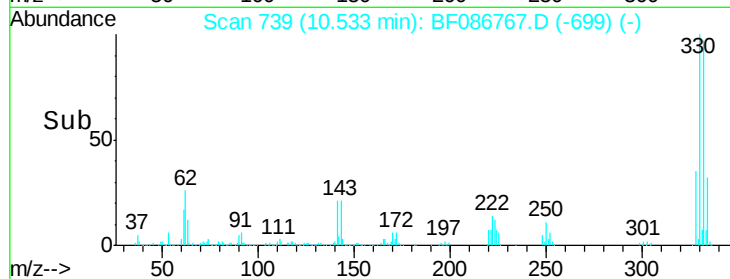
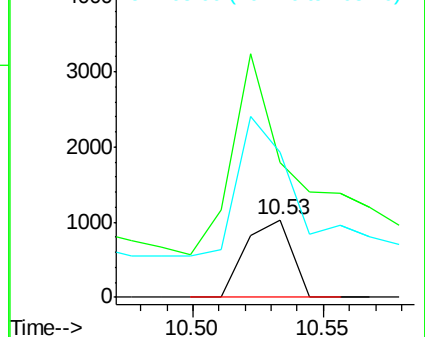
105 186.9 24.5 64.5#



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: 5.41 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.27 min

Lab File: BF086767.D

Acq: 7 May 2016 11:53

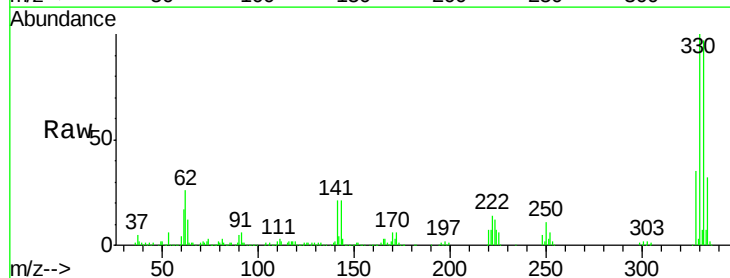
Tgt Ion:248 Resp: 31482

Ion Ratio Lower Upper

248 100

250 199.6 78.6 117.8#

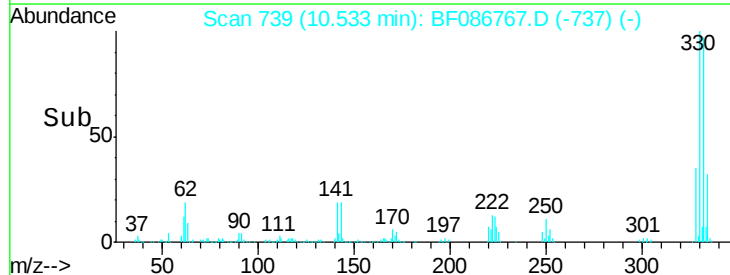
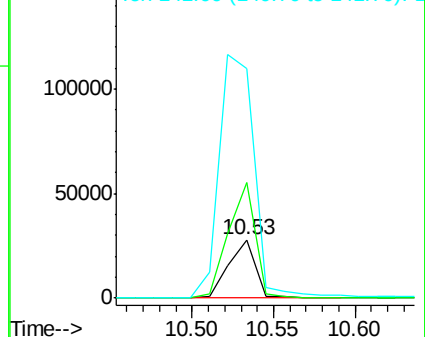
141 395.1 76.0 114.0#

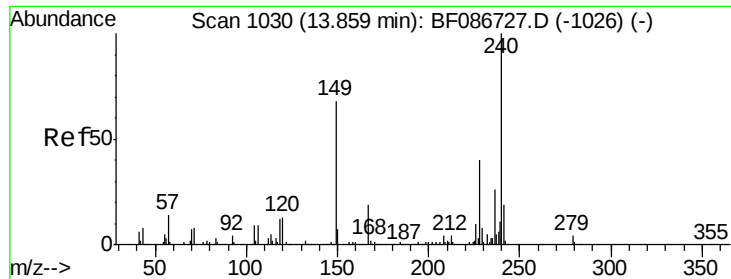


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.03 min

Lab File: BF086767.D

Acq: 7 May 2016 11:53

Instrument :

BNA_F

ClientSampleId :

MW-1

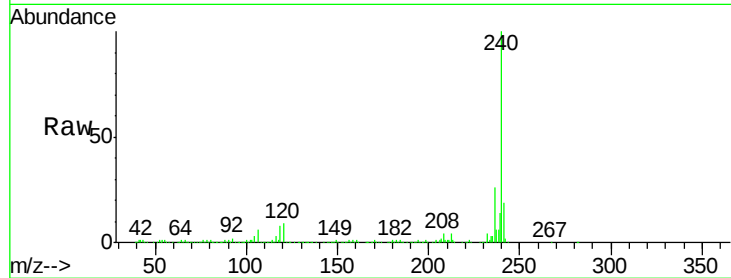
Tgt Ion:240 Resp: 442920

Ion Ratio Lower Upper

240 100

120 8.8 11.2 16.8#

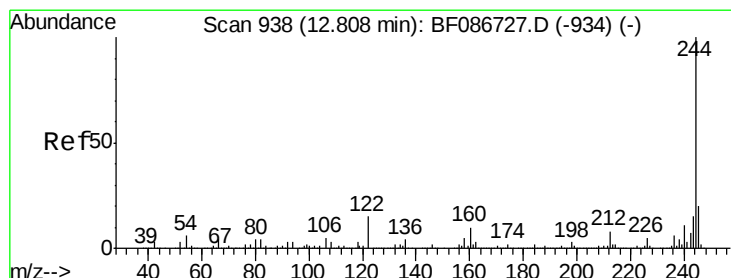
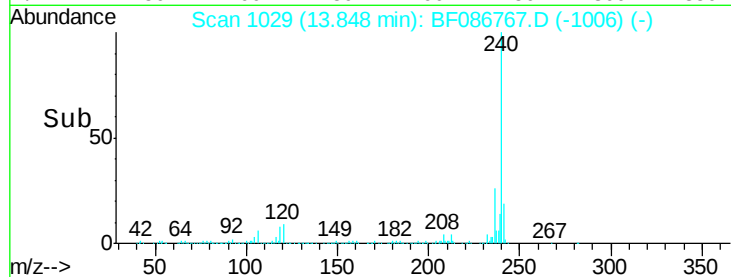
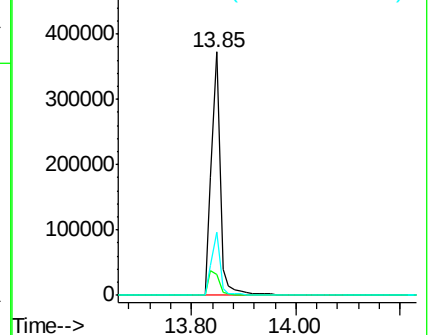
236 26.1 21.2 31.8



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: 76.36 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.03 min

Lab File: BF086767.D

Acq: 7 May 2016 11:53

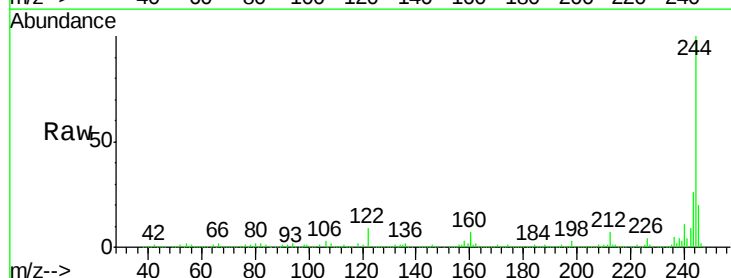
Tgt Ion:244 Resp: 1673593

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

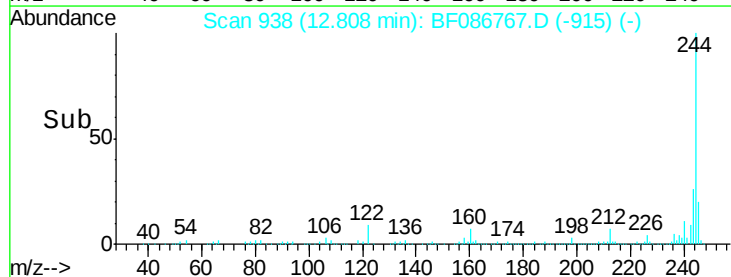
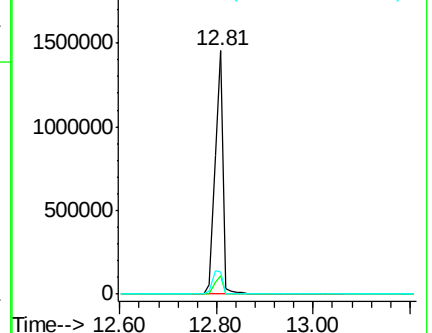
122 8.9 12.0 18.0#

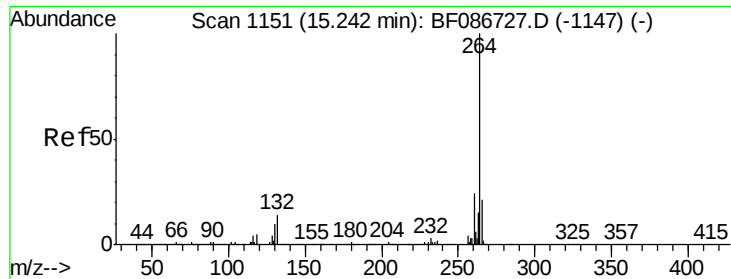


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

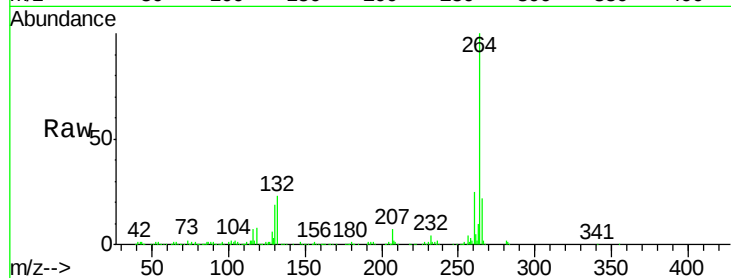




#86
Perylene-d12
Concen: 40.00 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.05 min
Lab File: BF086767.D
Acq: 7 May 2016 11:53

Instrument :
BNA_F
ClientSampleId :
MW-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	22.2	17.3	25.9



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

