

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
 Data File : BF087057.D
 Acq On : 15 May 2016 9:12
 Operator : UM/SJ
 Sample : H3052-09
 Misc :
 ALS Vial : 77 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-37

Quant Time: May 16 04:55:24 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

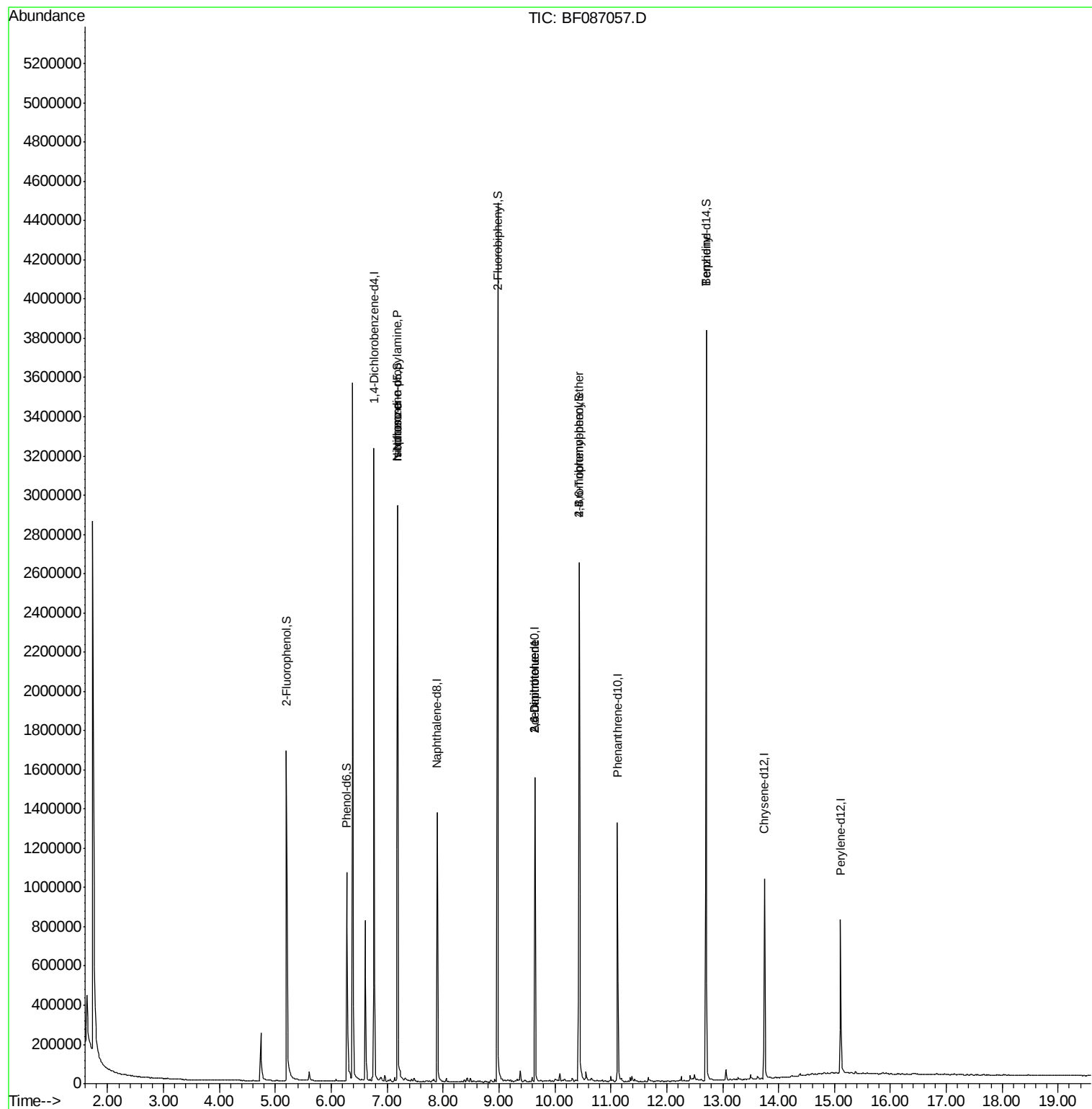
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	413284	20.00	ng	0.07
21) Naphthalene-d8	7.90	136	590893	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	288435	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	521398	20.00	ng	-0.09
75) Chrysene-d12	13.75	240	347339	20.00	ng	-0.09
86) Perylene-d12	15.11	264	330104	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	572525	23.46	ng	-0.09
7) Phenol-d6	6.27	99	503812	15.45	ng	-0.09
23) Nitrobenzene-d5	7.19	82	981013	83.36	ng	-0.08
41) 2,4,6-Tribromophenol	10.43	330	332442	108.87	ng	-0.09
44) 2-Fluorobiphenyl	8.98	172	1535069	89.45	ng	-0.08
78) Terphenyl-d14	12.71	244	1130499	69.06	ng	-0.09
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	147695	6.48	ng	# 74
25) Isophorone	7.19	82	961895	44.06	ng	# 68
50) 2,6-Dinitrotoluene	9.64	165	37151	8.02	ng	# 21
56) 2,4-Dinitrotoluene	9.64	165	37153	6.48	ng	# 16
66) 4-Bromophenyl-phenylether	10.43	248	19937	3.77	ng	# 1
76) Benzidine	12.71	184	17995	2.03	ng	# 96

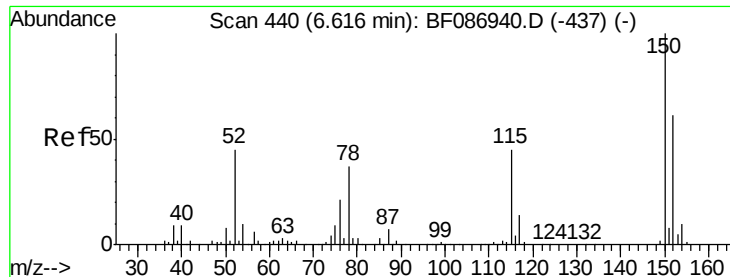
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 13 14:55:23 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 453

Delta R.T. 0.07 min

Lab File: BF087057.D

Acq: 15 May 2016 9:12

Instrument :

BNA_F

ClientSampled :

MW-37

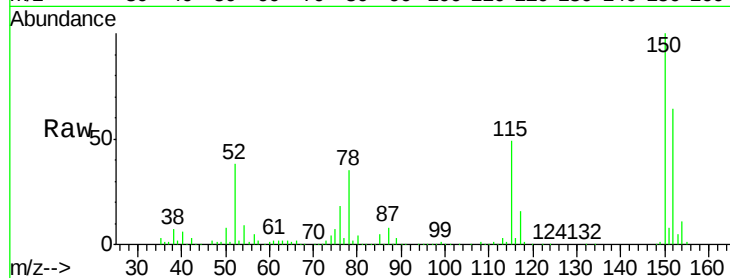
Tgt Ion:152 Resp: 413284

Ion Ratio Lower Upper

152 100

150 156.5 125.8 188.6

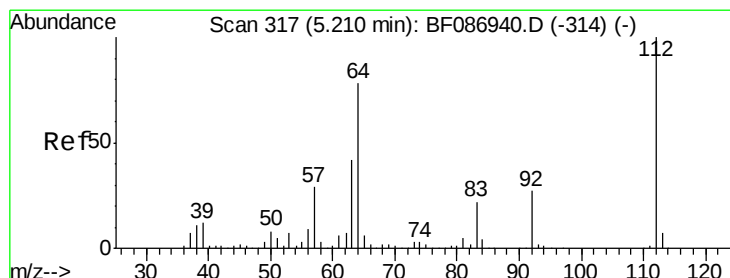
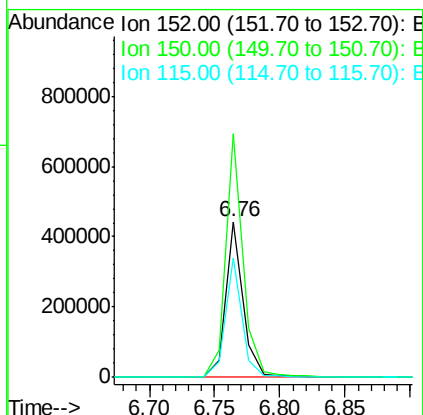
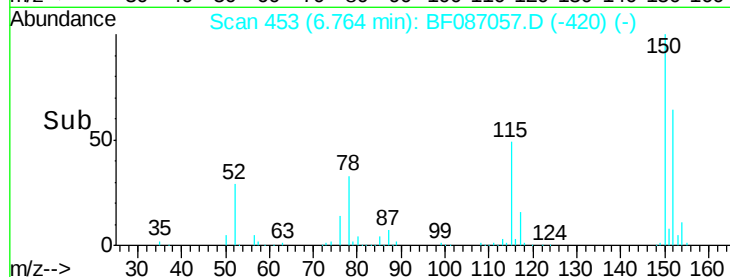
115 76.9 51.5 77.3



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: 23.46 ng

RT: 5.20 min Scan# 316

Delta R.T. -0.09 min

Lab File: BF087057.D

Acq: 15 May 2016 9:12

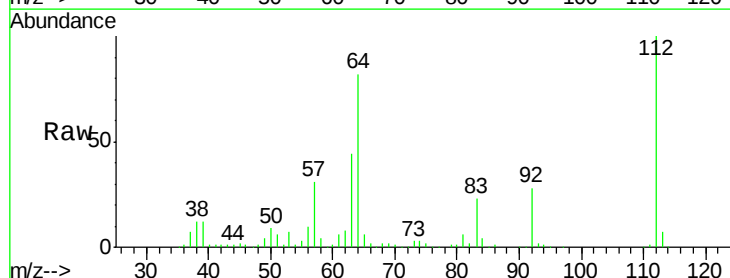
Tgt Ion:112 Resp: 572525

Ion Ratio Lower Upper

112 100

64 82.2 52.1 78.1#

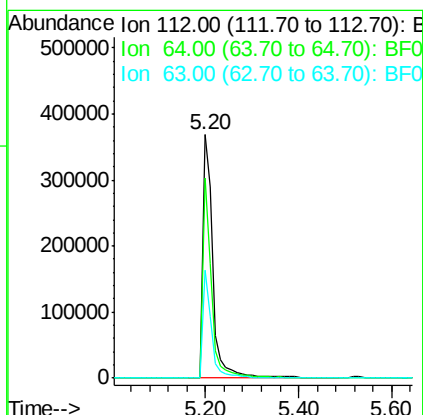
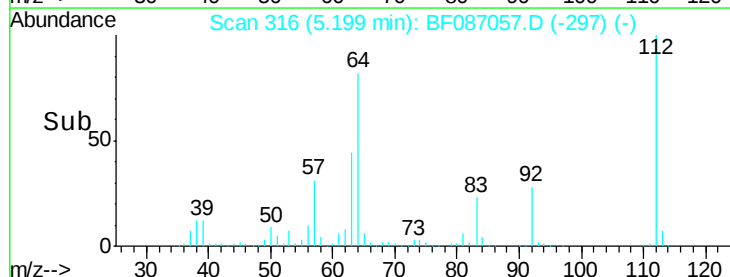
63 44.3 25.7 38.5#



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: 15.45 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.09 min

Lab File: BF087057.D

Acq: 15 May 2016 9:12

Instrument :

BNA_F

ClientSampleId :

MW-37

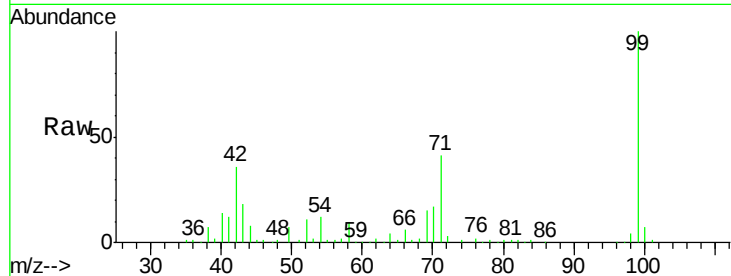
Tgt Ion: 99 Resp: 503812

Ion Ratio Lower Upper

99 100

42 36.1 13.6 20.4#

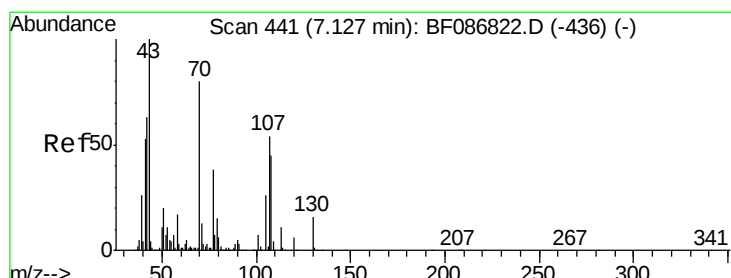
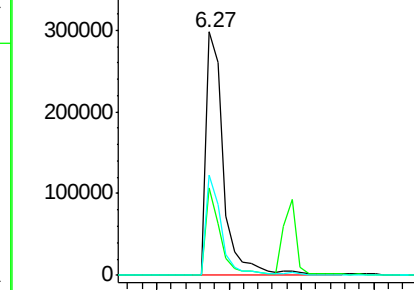
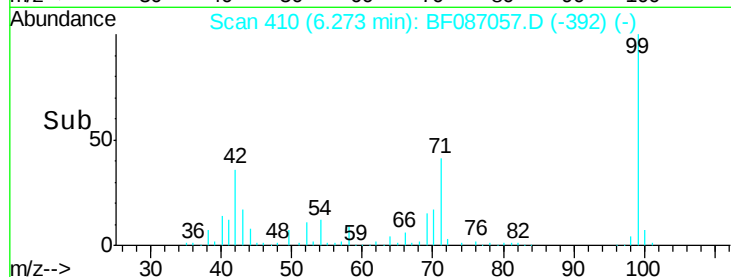
71 41.1 24.6 36.8#



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.48 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.06 min

Lab File: BF087057.D

Acq: 15 May 2016 9:12

Tgt Ion: 70 Resp: 147695

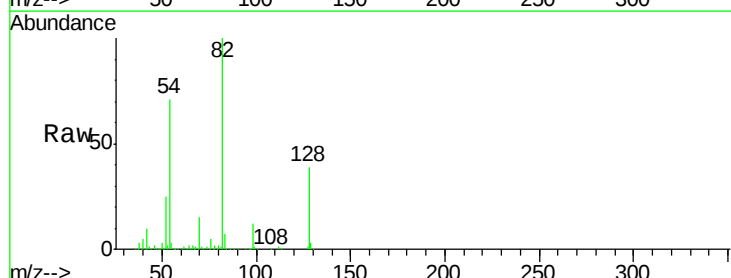
Ion Ratio Lower Upper

70 100

42 66.3 43.1 64.7#

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#

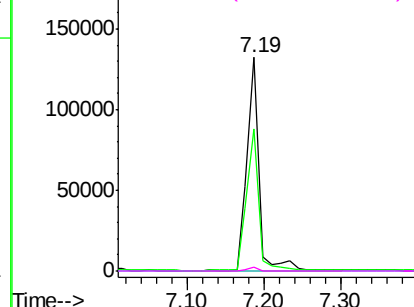
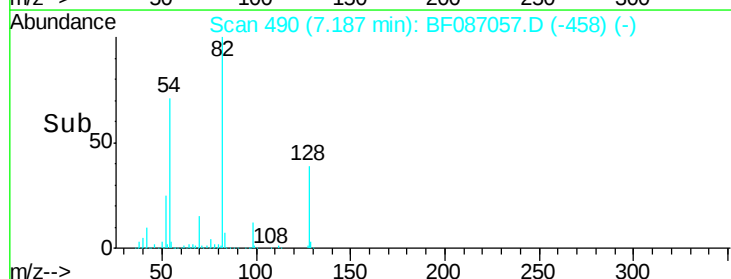


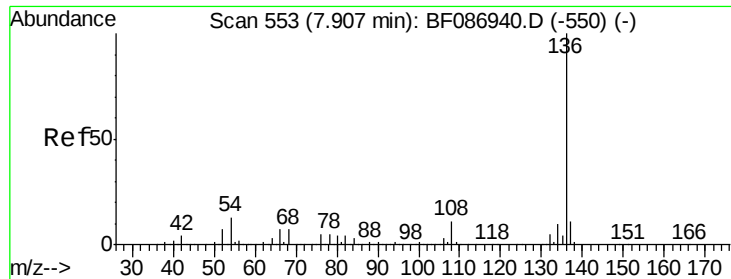
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

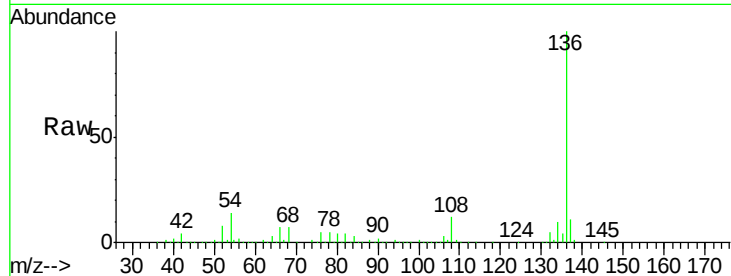




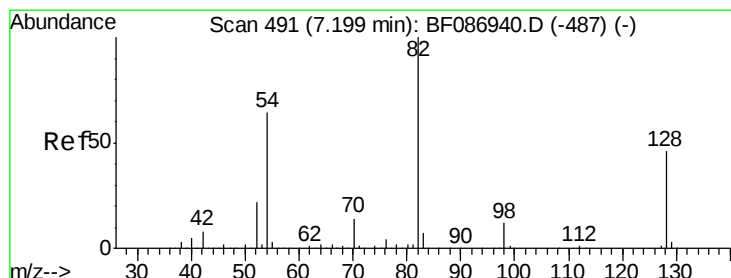
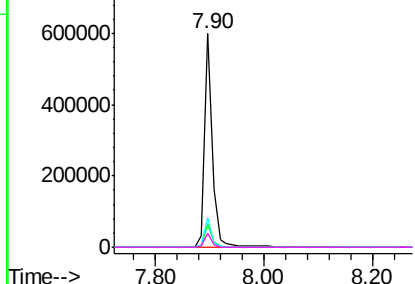
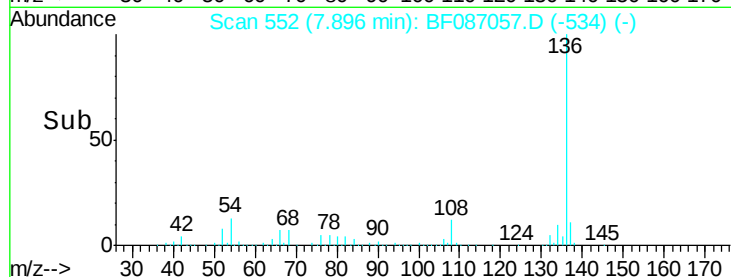
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087057.D
Acq: 15 May 2016 9:12

Instrument :
BNA_F
ClientSampleId :
MW-37

Tgt Ion:	136	Resp:	590893
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	13.6	5.0	7.4#
68	6.9	4.4	6.6#

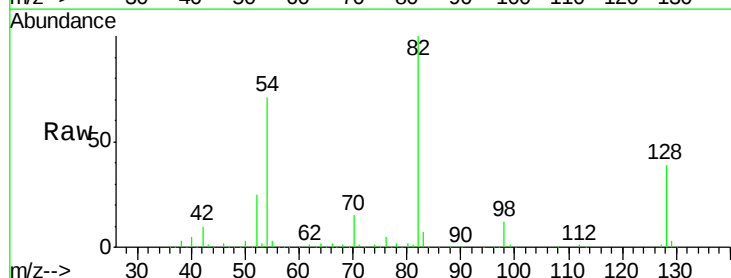


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

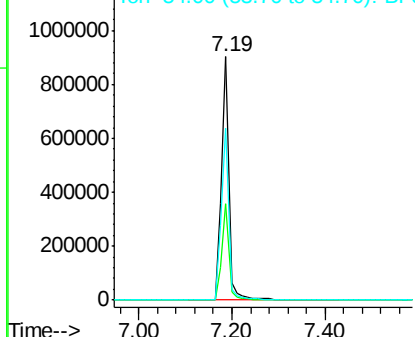
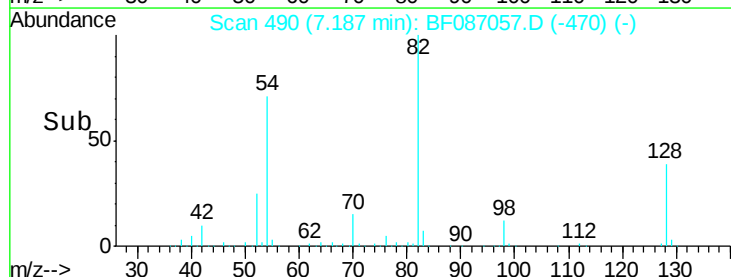


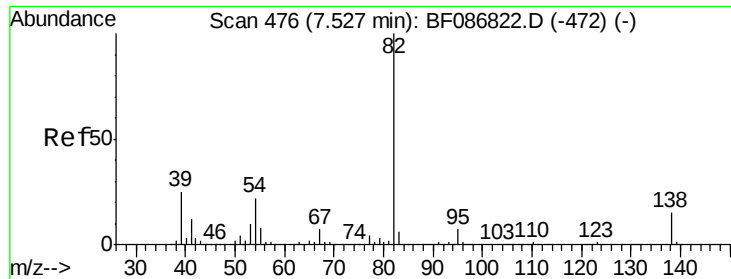
#23
Nitrobenzene-d5
Concen: 83.36 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.08 min
Lab File: BF087057.D
Acq: 15 May 2016 9:12

Tgt Ion:	82	Resp:	981013
Ion	Ratio	Lower	Upper
82	100		
128	39.4	40.6	61.0#
54	70.8	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: 44.06 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.34 min

Lab File: BF087057.D

Acq: 15 May 2016 9:12

Instrument :

BNA_F

ClientSampleId :

MW-37

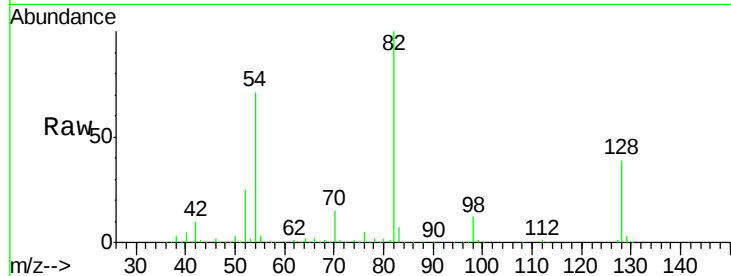
Tgt Ion: 82 Resp: 961895

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

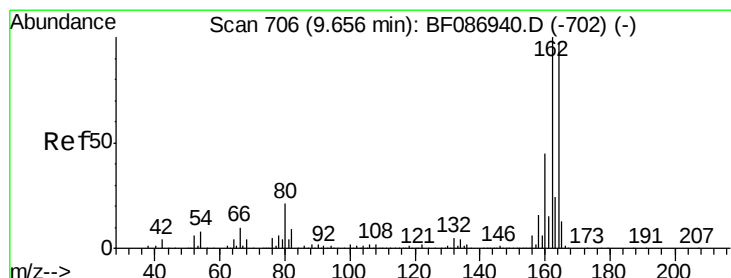
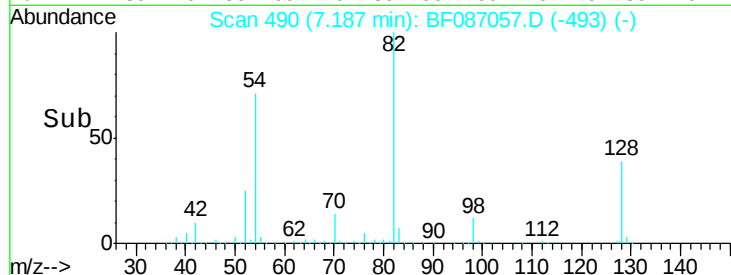
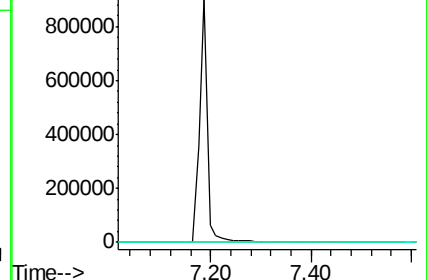
138 0.0 12.4 18.6#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.09 min

Lab File: BF087057.D

Acq: 15 May 2016 9:12

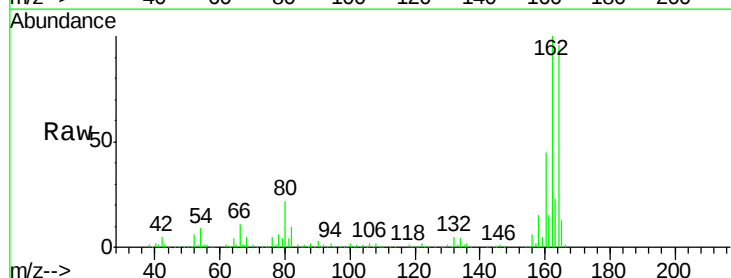
Tgt Ion: 164 Resp: 288435

Ion Ratio Lower Upper

164 100

162 103.7 82.8 124.2

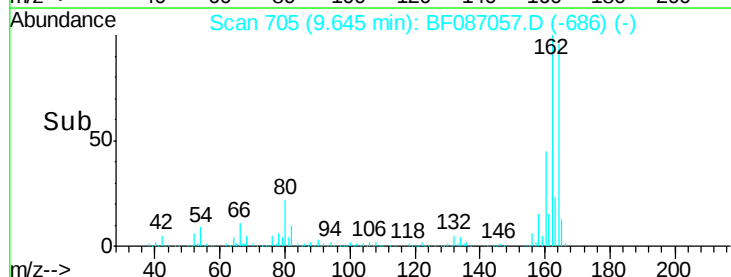
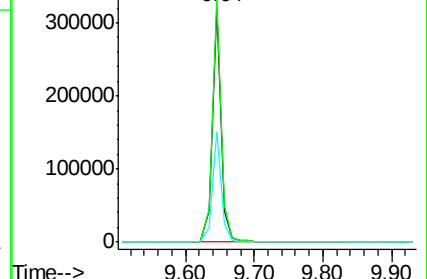
160 46.8 36.9 55.3

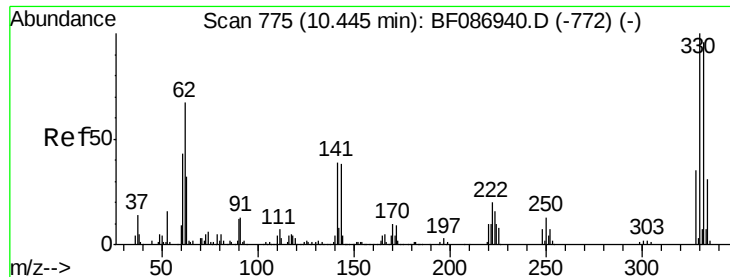


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

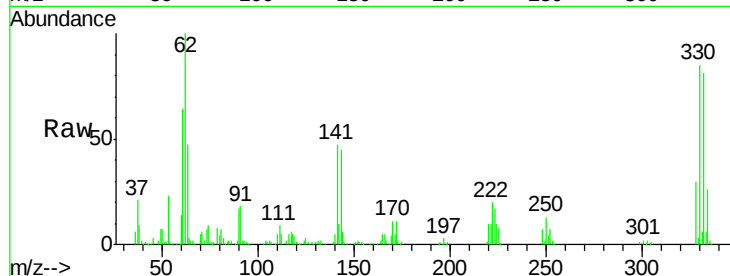




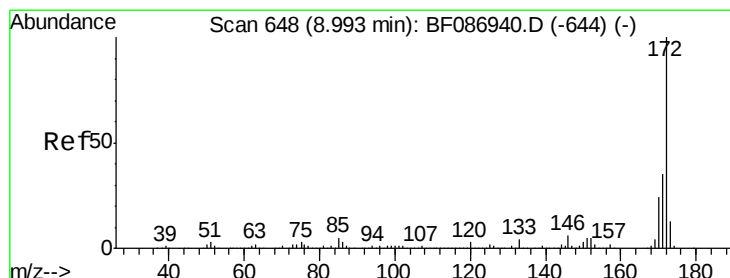
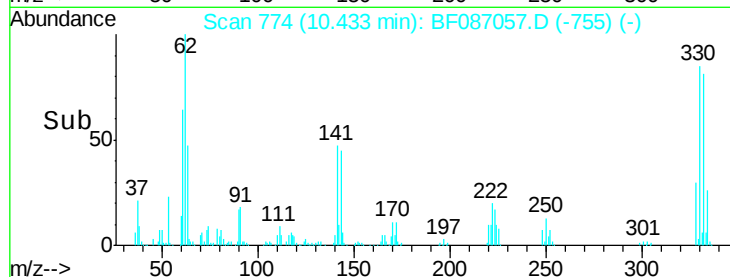
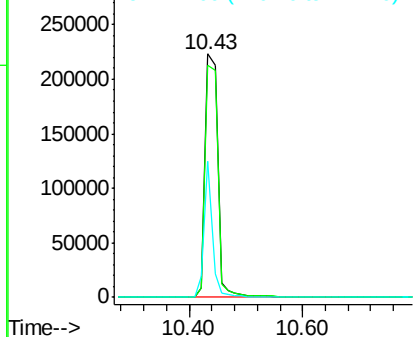
#41
 2,4,6-Tribromophenol
 Concen: 108.87 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.09 min
 Lab File: BF087057.D
 Acq: 15 May 2016 9:12

Instrument :
 BNA_F
 ClientSampleId :
 MW-37

Tgt Ion:330 Resp: 332442
 Ion Ratio Lower Upper
 330 100
 332 96.4 79.0 118.4
 141 36.3 31.2 46.8

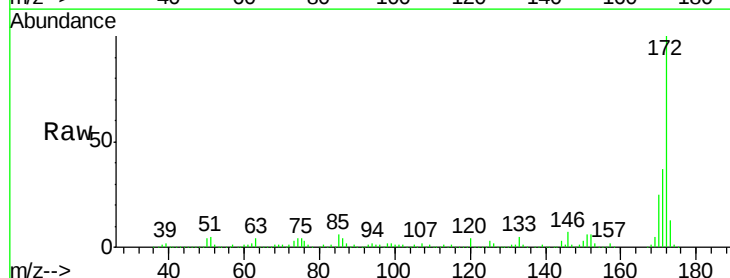


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

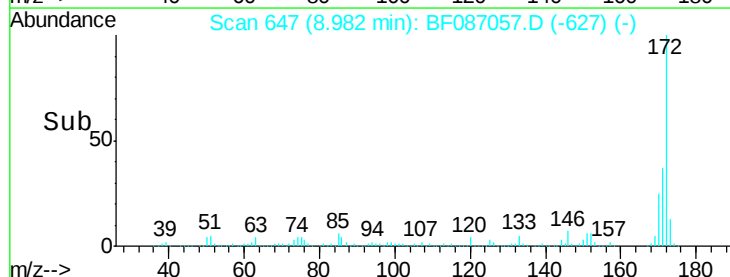
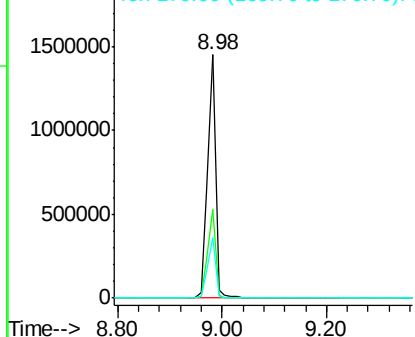


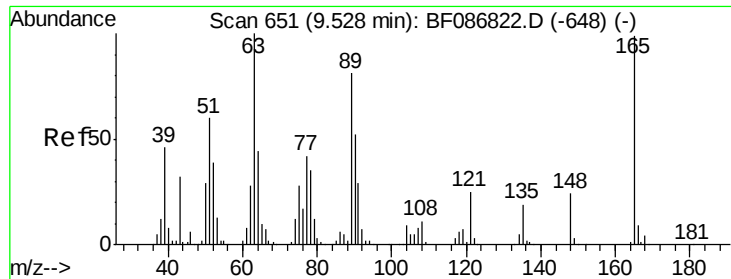
#44
 2-Fluorobiphenyl
 Concen: 89.45 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF087057.D
 Acq: 15 May 2016 9:12

Tgt Ion:172 Resp: 1535069
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.0 43.6
 170 24.6 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





#50

2,6-Dinitrotoluene

Concen: 8.02 ng

RT: 9.64 min Scan# 705

Delta R.T. 0.12 min

Lab File: BF087057.D

Acq: 15 May 2016 9:12

Instrument :

BNA_F

ClientSampled :

MW-37

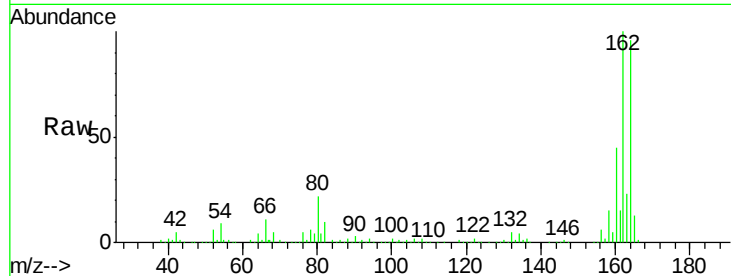
Tgt Ion:165 Resp: 37151

Ion Ratio Lower Upper

165 100

63 1.8 51.8 77.8#

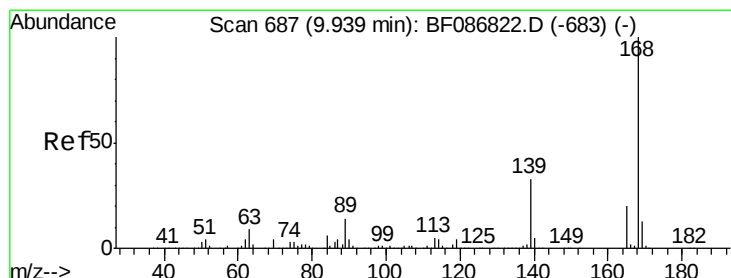
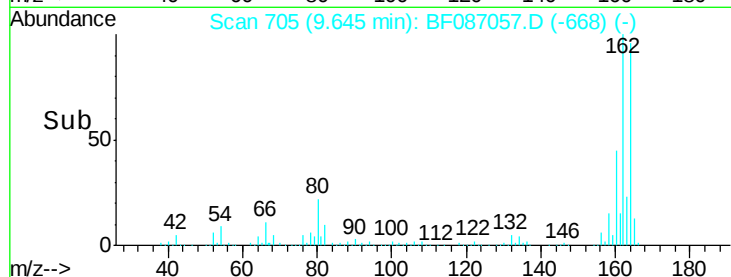
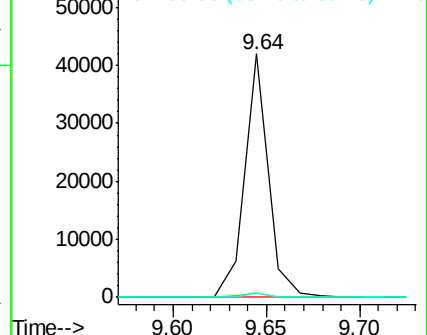
89 1.9 50.7 76.1#



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



#56

2,4-Dinitrotoluene

Concen: 6.48 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.29 min

Lab File: BF087057.D

Acq: 15 May 2016 9:12

Tgt Ion:165 Resp: 37153

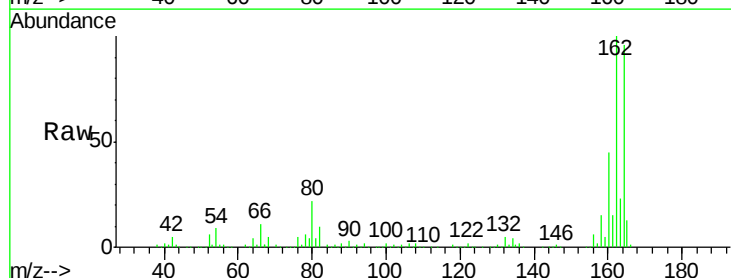
Ion Ratio Lower Upper

165 100

63 1.8 44.3 66.5#

89 1.9 70.0 105.0#

182 0.0 1.8 2.6#

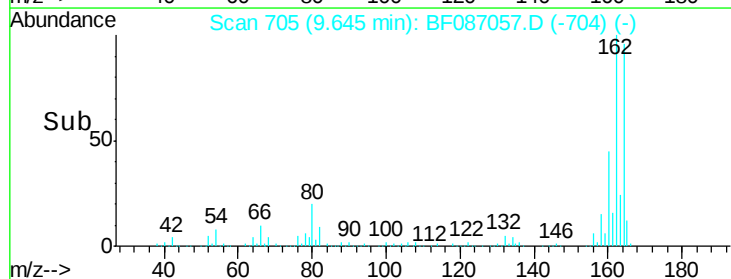
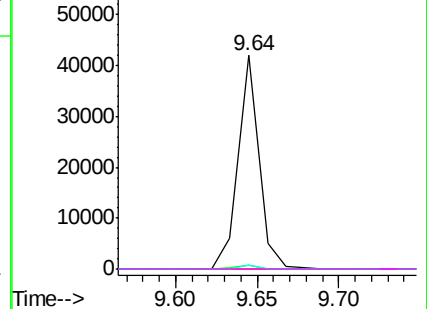


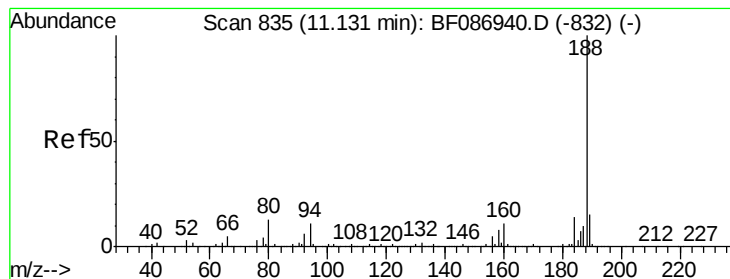
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.12 min Scan# 834

Delta R.T. -0.09 min

Lab File: BF087057.D

Acq: 15 May 2016 9:12

Instrument :

BNA_F

ClientSampleId :

MW-37

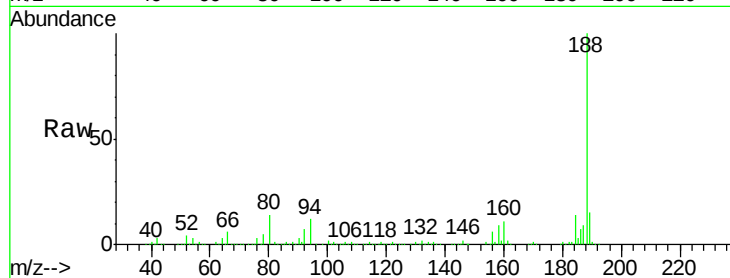
Tgt Ion:188 Resp: 521398

Ion Ratio Lower Upper

188 100

94 12.2 6.8 10.2#

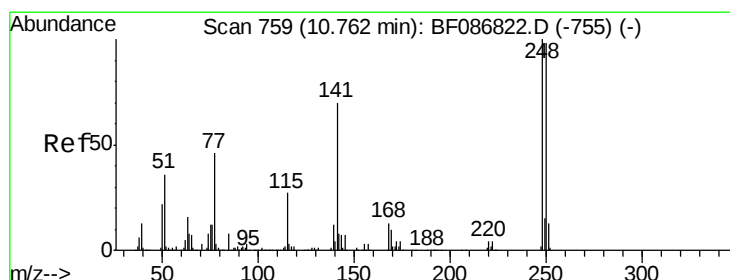
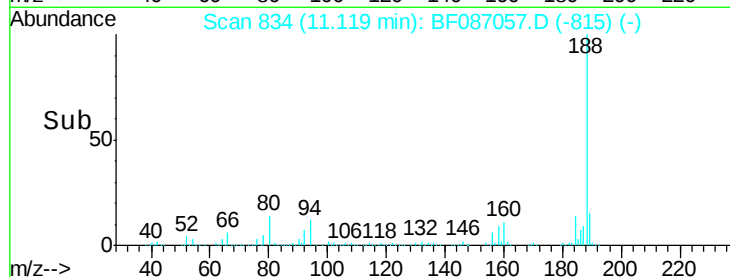
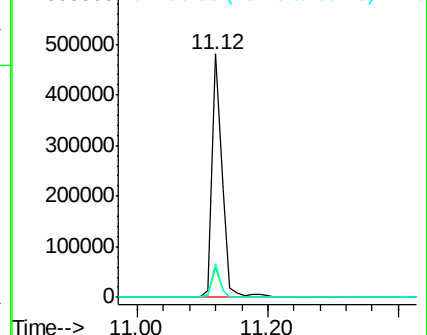
80 13.8 7.1 10.7#



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



#66

4-Bromophenyl-phenylether

Concen: 3.77 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.33 min

Lab File: BF087057.D

Acq: 15 May 2016 9:12

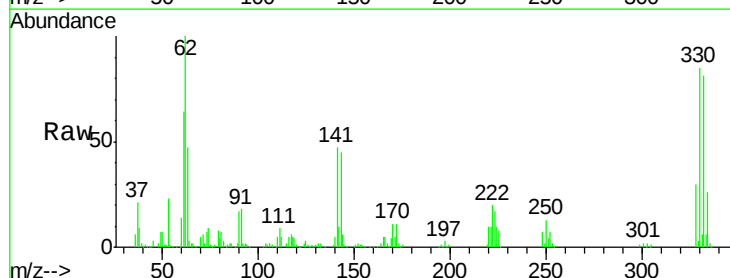
Tgt Ion:248 Resp: 19937

Ion Ratio Lower Upper

248 100

250 192.9 78.6 117.8#

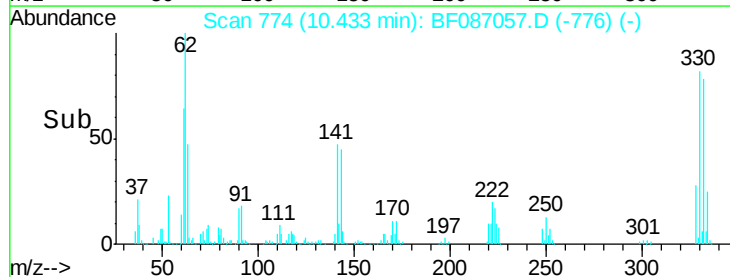
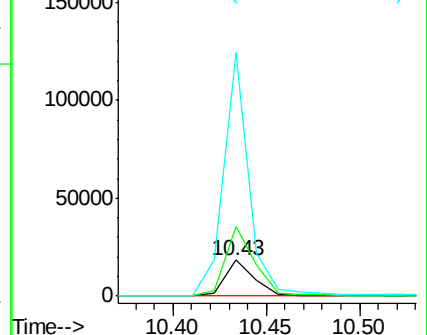
141 681.4 76.0 114.0#

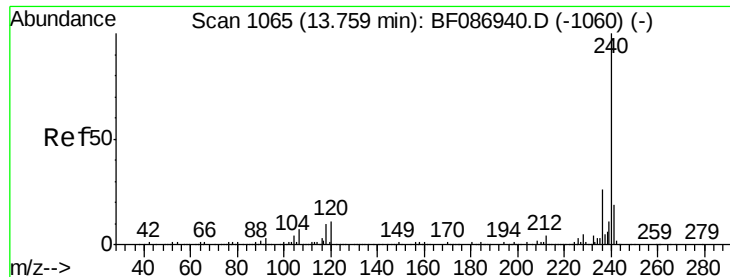


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.09 min

Lab File: BF087057.D

Acq: 15 May 2016 9:12

Instrument :

BNA_F

ClientSampleId :

MW-37

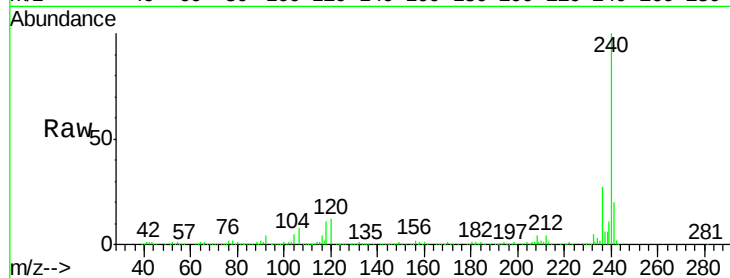
Tgt Ion:240 Resp: 347339

Ion Ratio Lower Upper

240 100

120 12.2 11.2 16.8

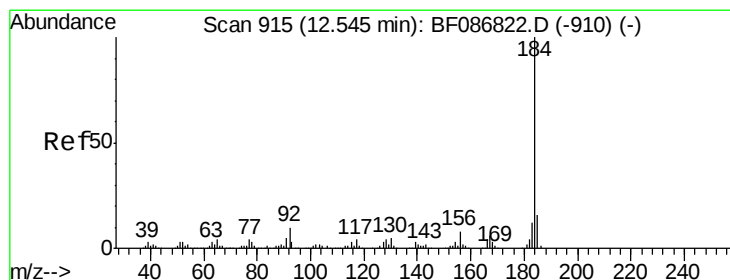
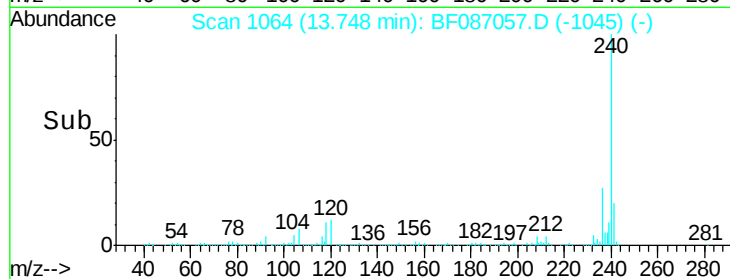
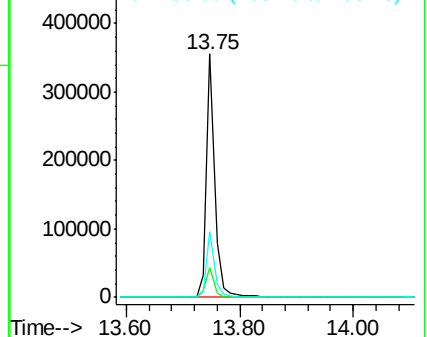
236 26.8 21.2 31.8



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



#76

Benzidine

Concen: 2.03 ng

RT: 12.71 min Scan# 973

Delta R.T. 0.16 min

Lab File: BF087057.D

Acq: 15 May 2016 9:12

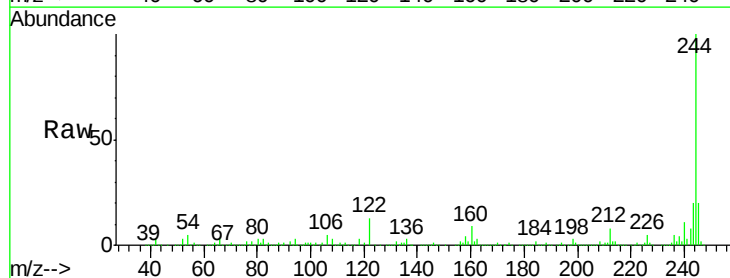
Tgt Ion:184 Resp: 17995

Ion Ratio Lower Upper

184 100

185 17.8 13.6 20.4

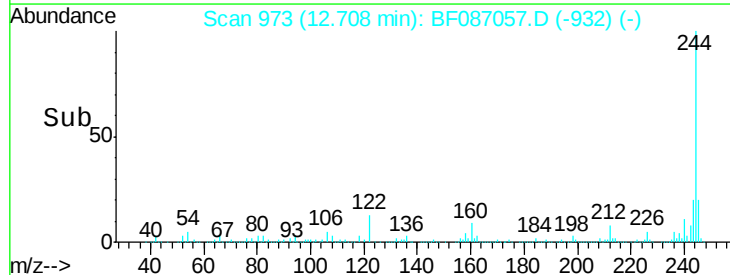
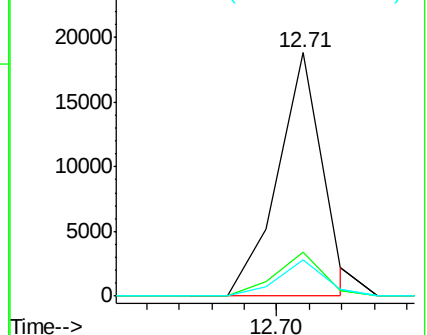
183 14.8 9.8 14.6#

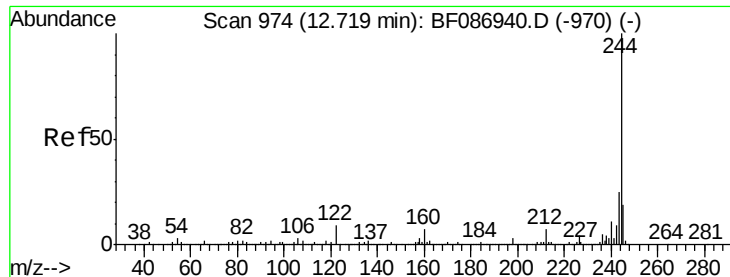


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

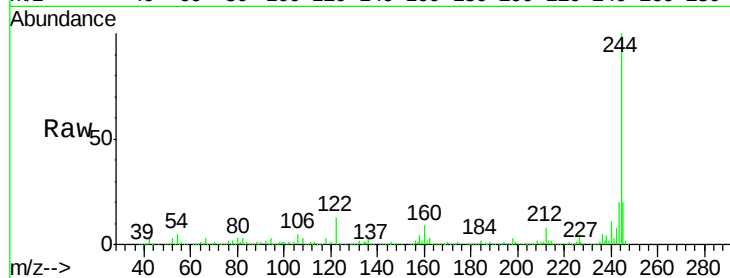




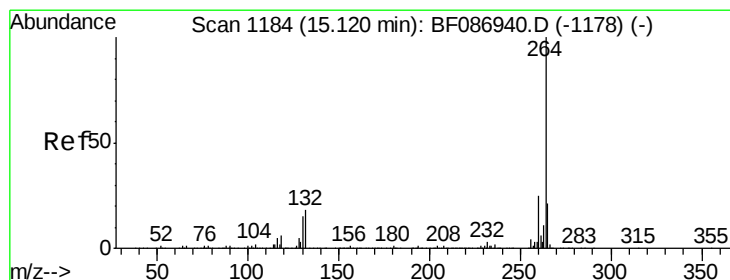
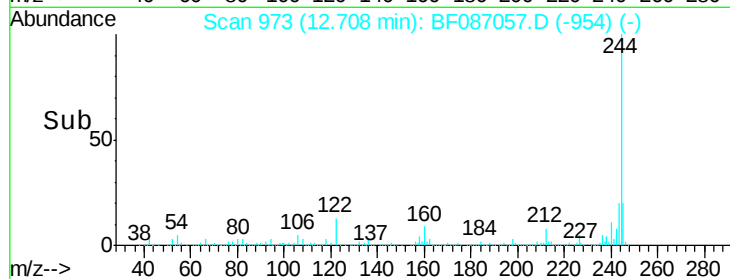
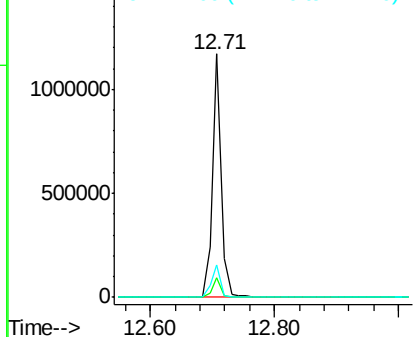
#78
 Terphenyl-d14
 Concen: 69.06 ng
 RT: 12.71 min Scan# 973
 Delta R.T. -0.09 min
 Lab File: BF087057.D
 Acq: 15 May 2016 9:12

Instrument :
 BNA_F
 ClientSampleId :
 MW-37

Tgt Ion:244 Resp: 1130499
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.2 9.2
 122 13.3 12.0 18.0

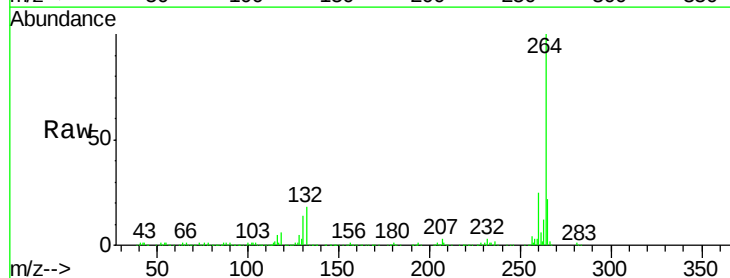


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. -0.10 min
 Lab File: BF087057.D
 Acq: 15 May 2016 9:12

Tgt Ion:264 Resp: 330104
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.5 29.3
 265 21.8 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

