

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
 Data File : BF087054.D
 Acq On : 15 May 2016 7:46
 Operator : UM/SJ
 Sample : H3052-08
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-25

Quant Time: May 16 04:54:39 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

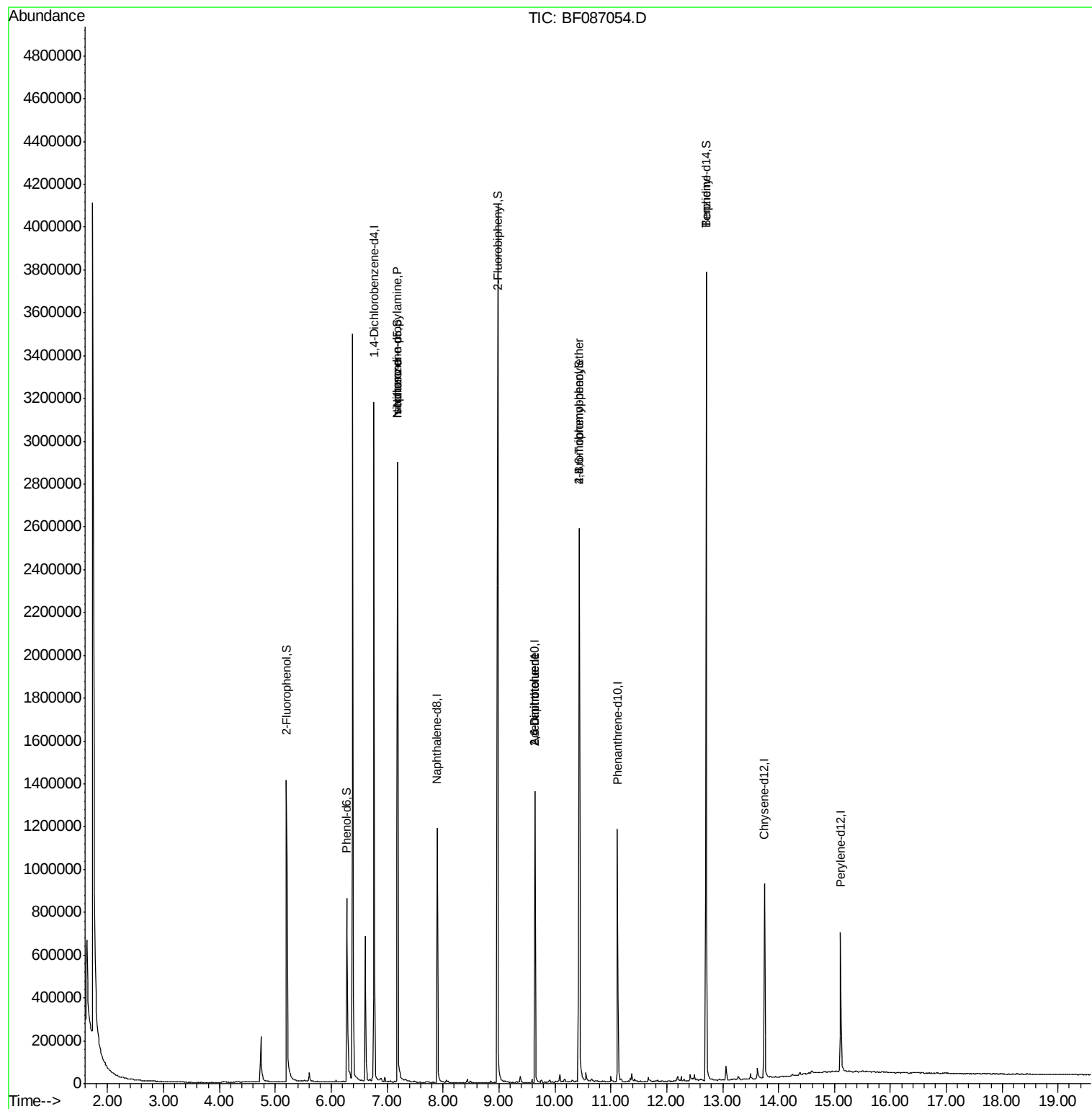
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	408811	20.00	ng	0.07
21) Naphthalene-d8	7.90	136	516563	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	247970	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	451197	20.00	ng	-0.09
75) Chrysene-d12	13.75	240	312912	20.00	ng	-0.09
86) Perylene-d12	15.11	264	289702	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	524979	21.75	ng	-0.09
7) Phenol-d6	6.27	99	437285	13.55	ng	-0.09
23) Nitrobenzene-d5	7.19	82	959342	93.25	ng	-0.08
41) 2,4,6-Tribromophenol	10.43	330	322801	122.96	ng	-0.09
44) 2-Fluorobiphenyl	8.98	172	1483648	100.56	ng	-0.08
78) Terphenyl-d14	12.71	244	1169658	79.31	ng	-0.09
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	138574	6.15	ng	# 73
25) Isophorone	7.19	82	942662	49.39	ng	# 68
50) 2,6-Dinitrotoluene	9.64	165	31584	7.93	ng	# 21
56) 2,4-Dinitrotoluene	9.64	165	31585	6.41	ng	# 16
66) 4-Bromophenyl-phenylether	10.43	248	18594	4.06	ng	# 1
76) Benzidine	12.71	184	18997	2.38	ng	# 96

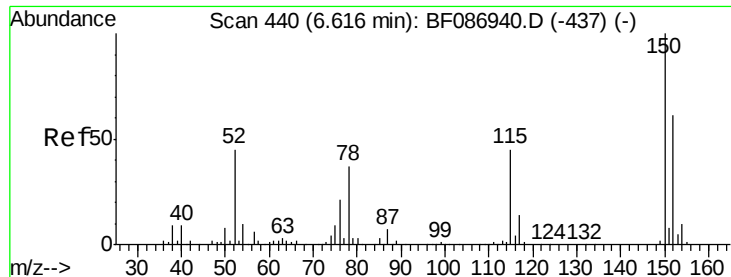
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 453

Delta R.T. 0.07 min

Lab File: BF087054.D

Acq: 15 May 2016 7:46

Instrument :

BNA_F

ClientSampleId :

MW-25

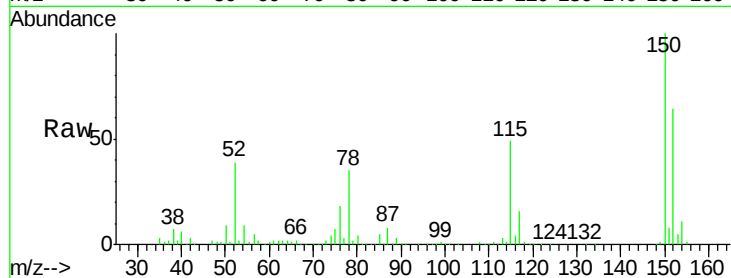
Tgt Ion:152 Resp: 408811

Ion Ratio Lower Upper

152 100

150 156.3 125.8 188.6

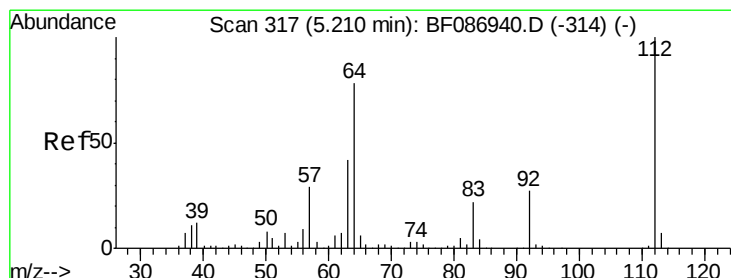
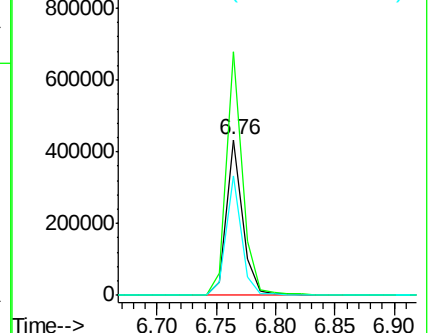
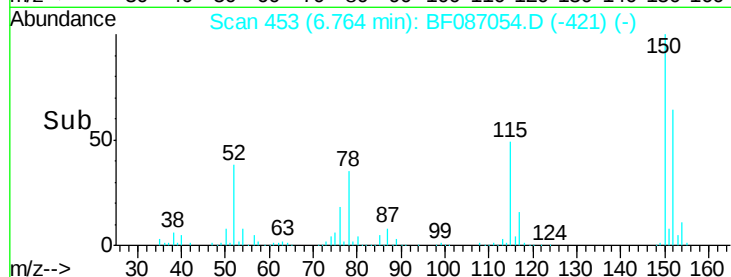
115 76.6 51.5 77.3



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: 21.75 ng

RT: 5.20 min Scan# 316

Delta R.T. -0.09 min

Lab File: BF087054.D

Acq: 15 May 2016 7:46

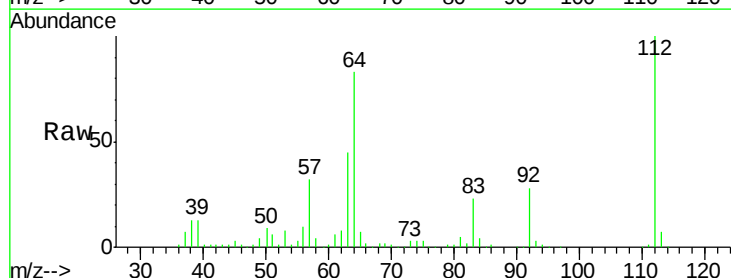
Tgt Ion:112 Resp: 524979

Ion Ratio Lower Upper

112 100

64 83.4 52.1 78.1#

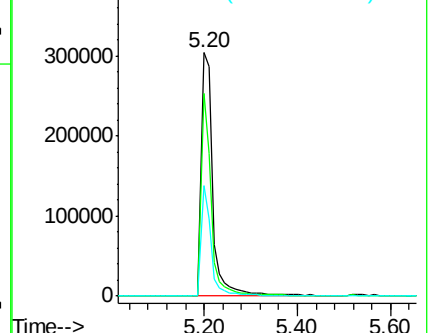
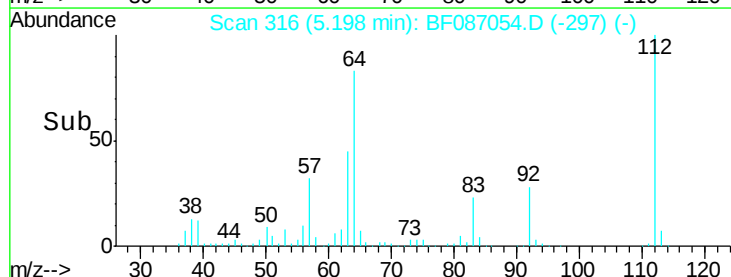
63 45.4 25.7 38.5#



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: 13.55 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.09 min

Lab File: BF087054.D

Acq: 15 May 2016 7:46

Instrument :

BNA_F

ClientSampleId :

MW-25

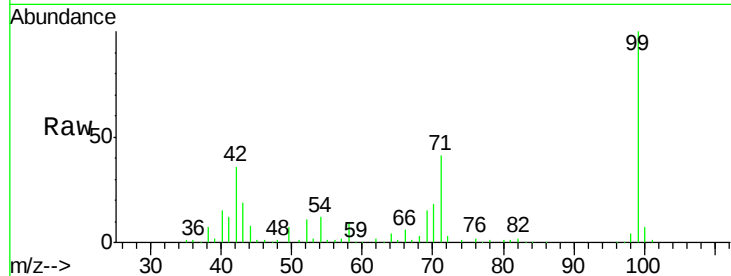
Tgt Ion: 99 Resp: 437285

Ion Ratio Lower Upper

99 100

42 35.9 13.6 20.4#

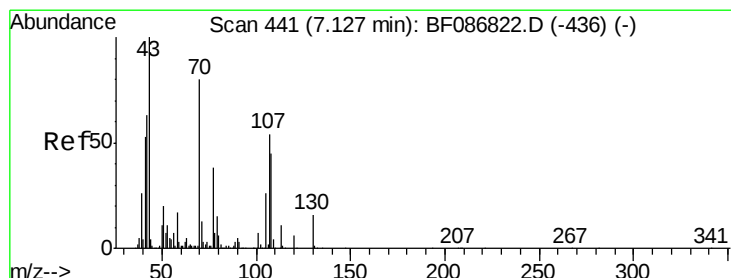
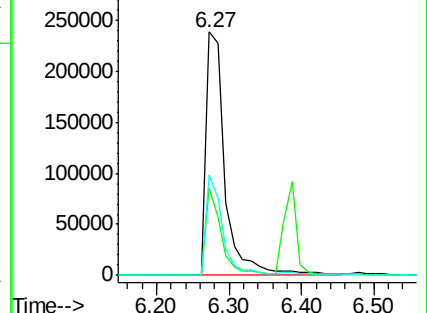
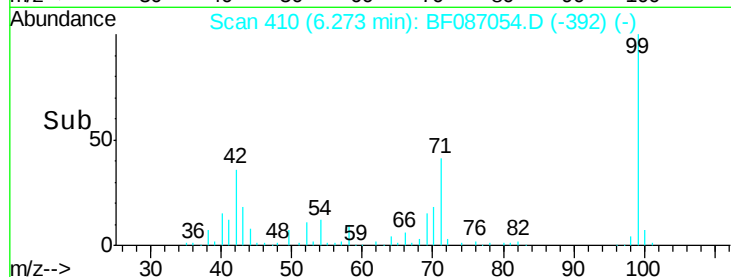
71 41.2 24.6 36.8#



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: 6.15 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.06 min

Lab File: BF087054.D

Acq: 15 May 2016 7:46

Tgt Ion: 70 Resp: 138574

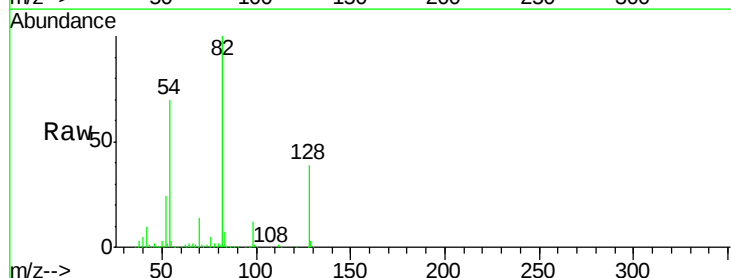
Ion Ratio Lower Upper

70 100

42 67.5 43.1 64.7#

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#

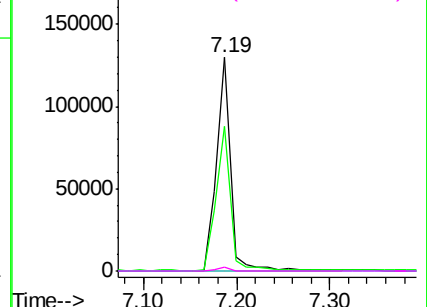
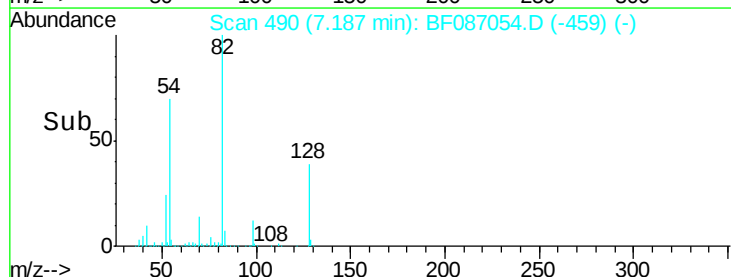


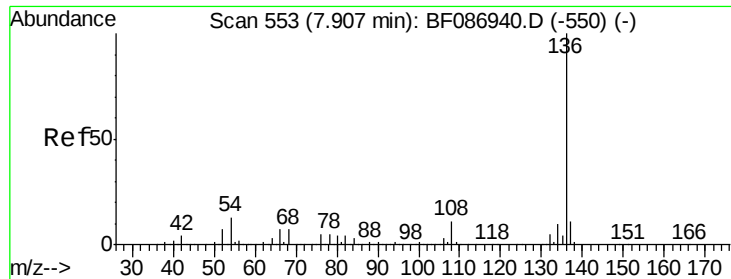
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

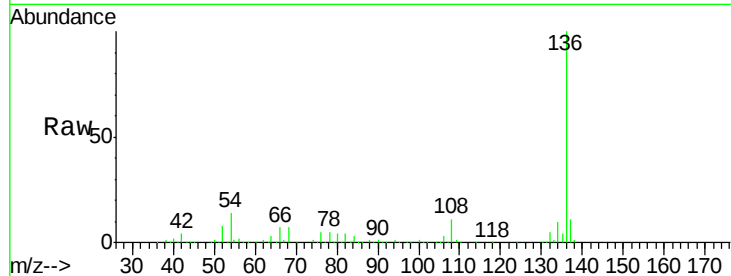




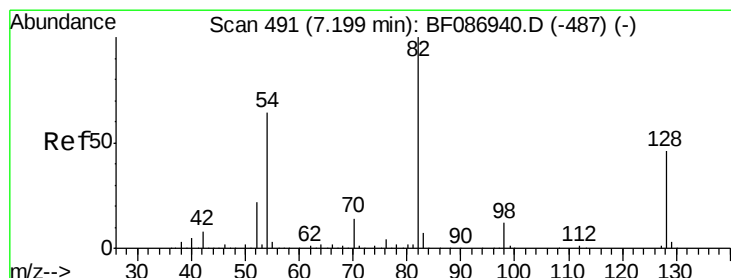
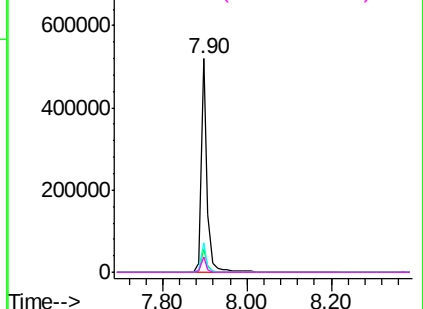
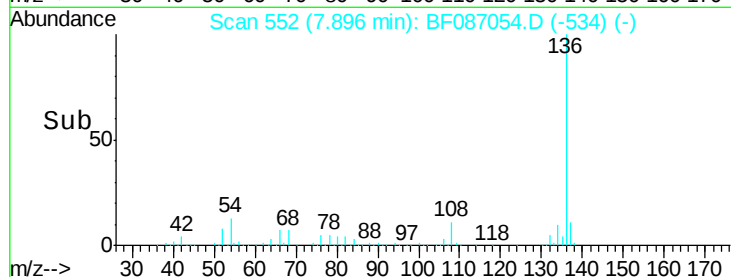
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087054.D
Acq: 15 May 2016 7:46

Instrument :
BNA_F
ClientSampleId :
MW-25

Tgt Ion:	136	Resp:	516563
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	13.5	5.0	7.4#
68	7.0	4.4	6.6#

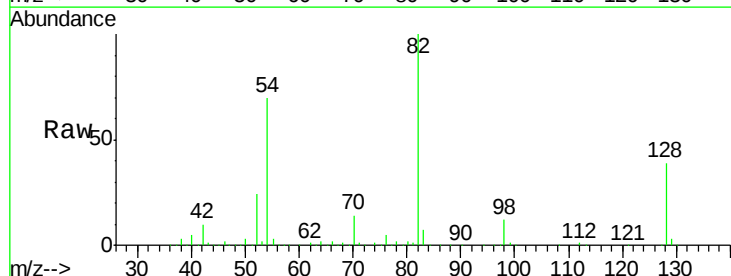


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

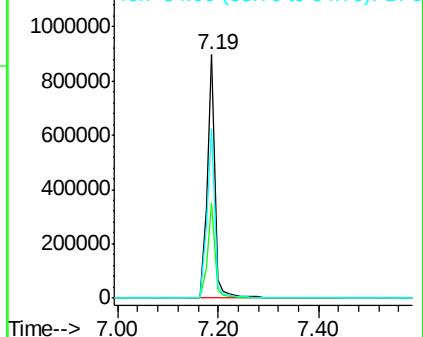
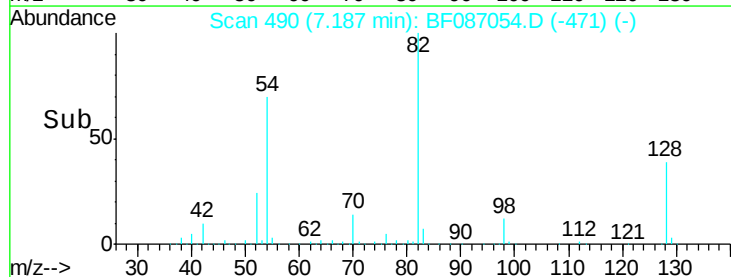


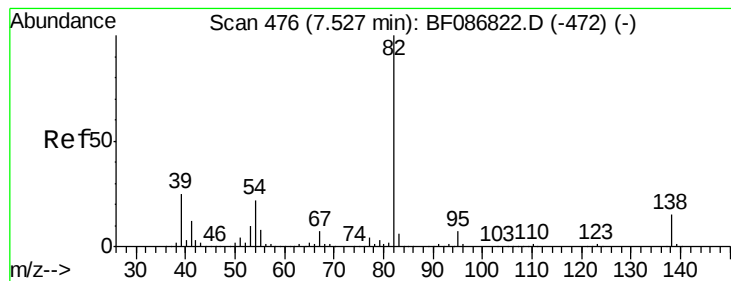
#23
Nitrobenzene-d5
Concen: 93.25 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.08 min
Lab File: BF087054.D
Acq: 15 May 2016 7:46

Tgt Ion:	82	Resp:	959342
Ion	Ratio	Lower	Upper
82	100		
128	39.2	40.6	61.0#
54	69.8	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: 49.39 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.34 min

Lab File: BF087054.D

Acq: 15 May 2016 7:46

Instrument :

BNA_F

ClientSampleId :

MW-25

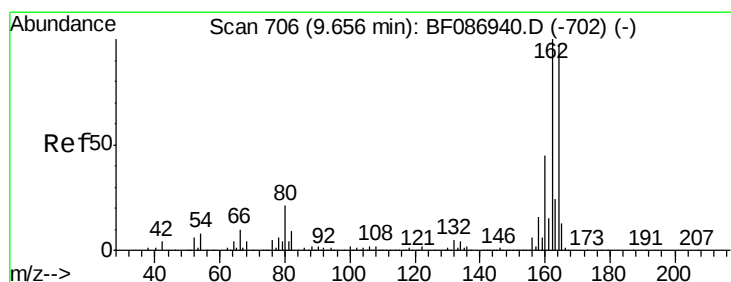
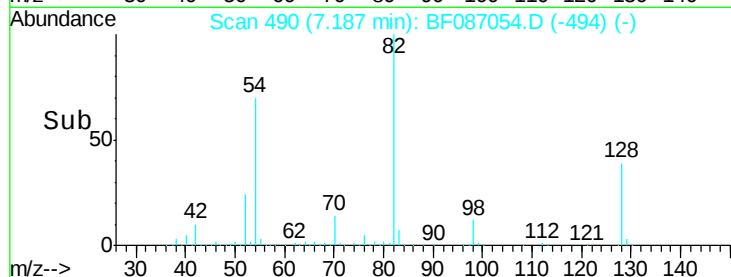
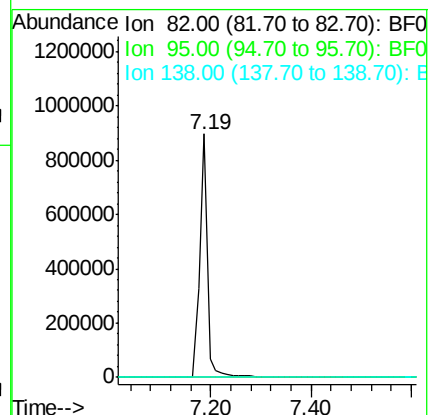
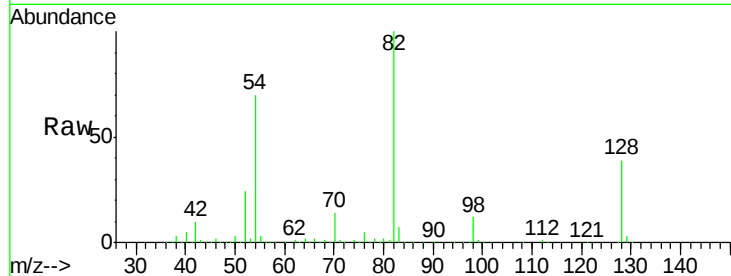
Tgt Ion: 82 Resp: 942662

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.09 min

Lab File: BF087054.D

Acq: 15 May 2016 7:46

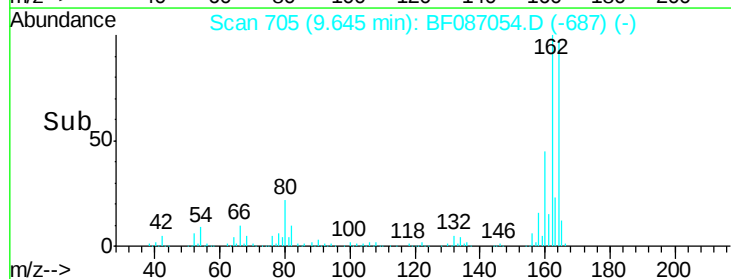
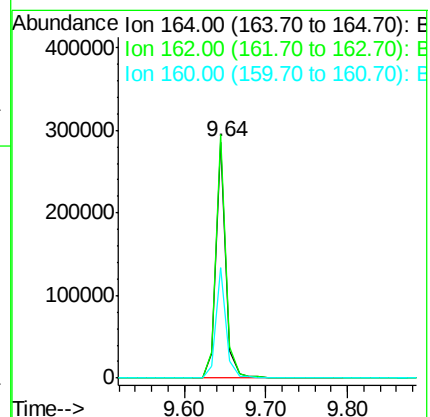
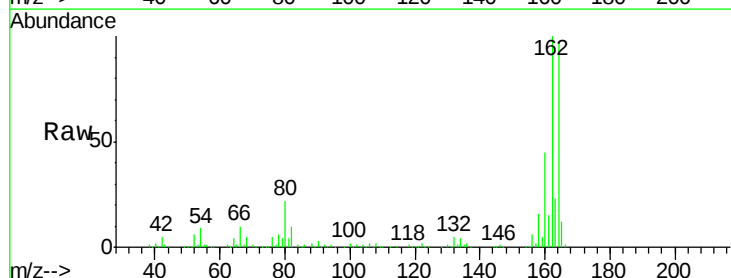
Tgt Ion: 164 Resp: 247970

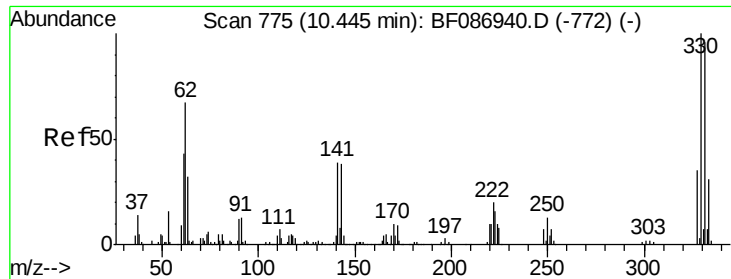
Ion Ratio Lower Upper

164 100

162 103.2 82.8 124.2

160 46.8 36.9 55.3

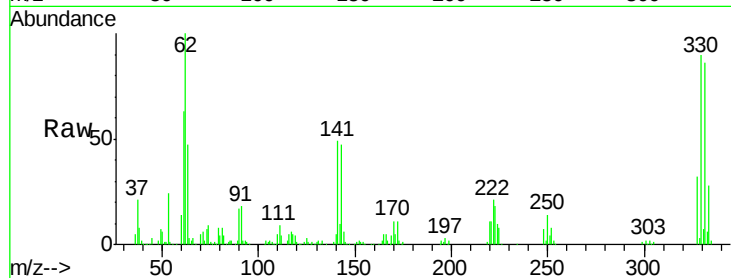




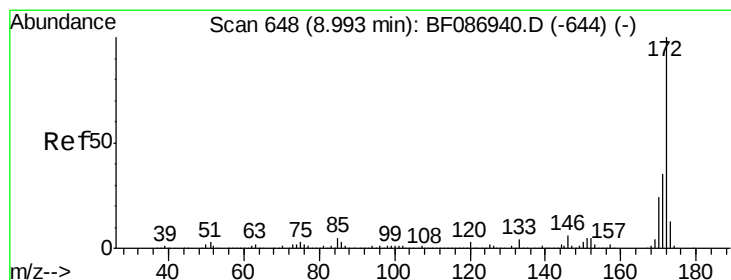
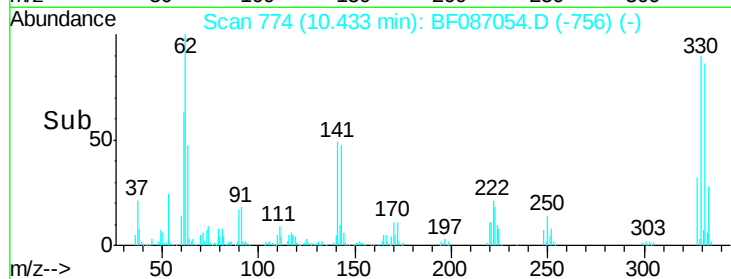
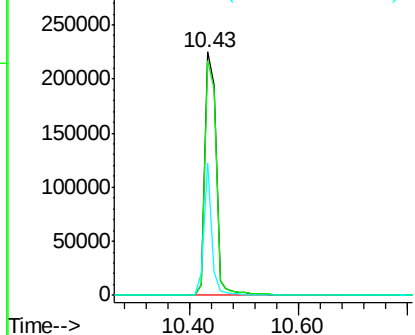
#41
 2,4,6-Tribromophenol
 Concen: 122.96 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.09 min
 Lab File: BF087054.D
 Acq: 15 May 2016 7:46

Instrument :
 BNA_F
 ClientSampleId :
 MW-25

Tgt Ion:330 Resp: 322801
 Ion Ratio Lower Upper
 330 100
 332 97.2 79.0 118.4
 141 37.8 31.2 46.8

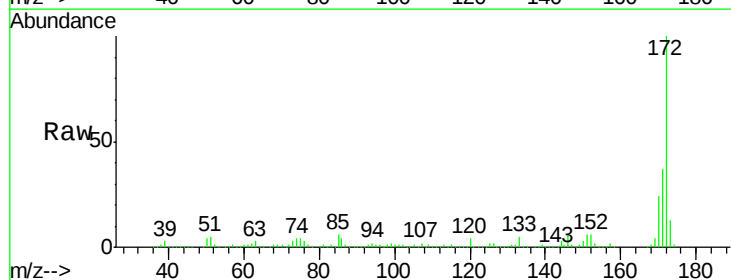


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

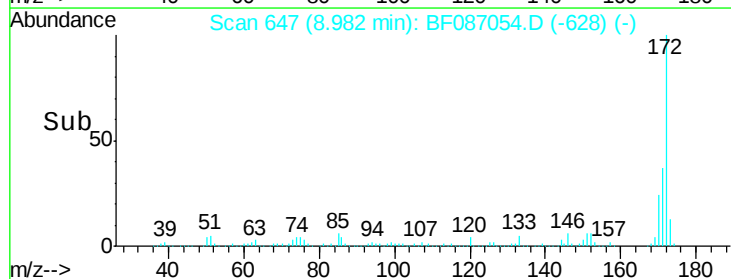
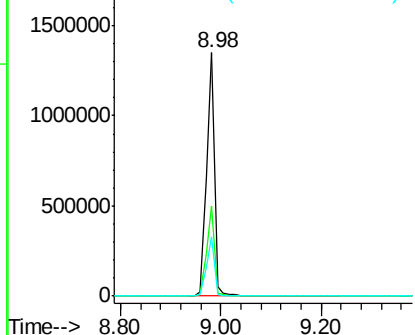


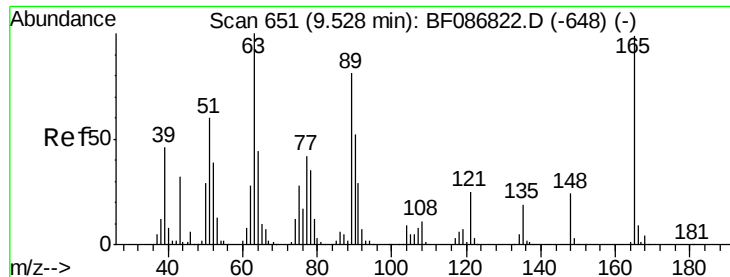
#44
 2-Fluorobiphenyl
 Concen: 100.56 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF087054.D
 Acq: 15 May 2016 7:46

Tgt Ion:172 Resp: 1483648
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.0 43.6
 170 24.4 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

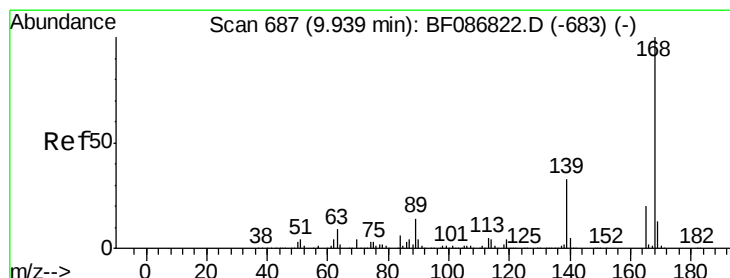
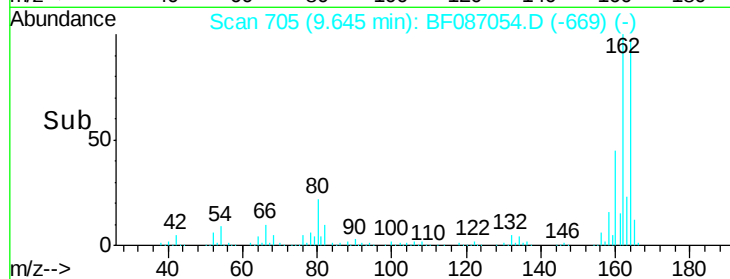
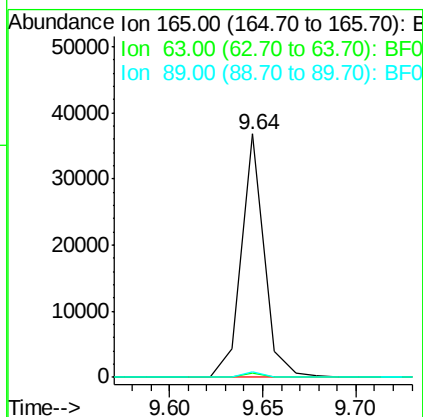
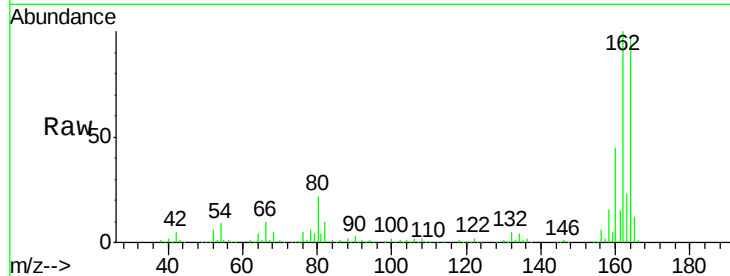




#50
 2,6-Dinitrotoluene
 Concen: 7.93 ng
 RT: 9.64 min Scan# 705
 Delta R.T. 0.12 min
 Lab File: BF087054.D
 Acq: 15 May 2016 7:46

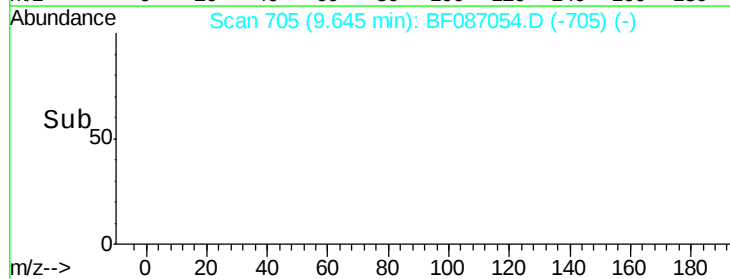
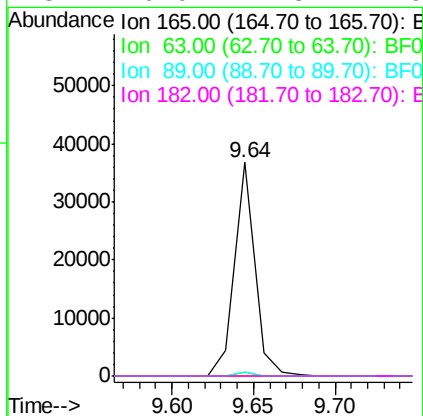
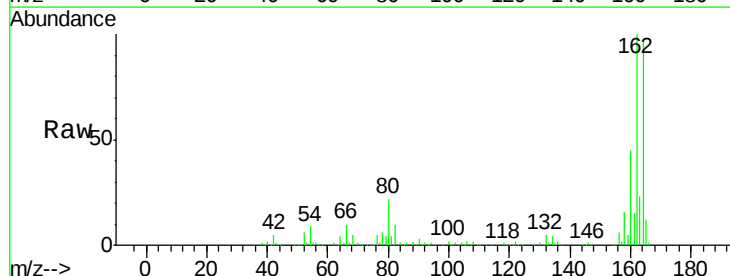
Instrument :
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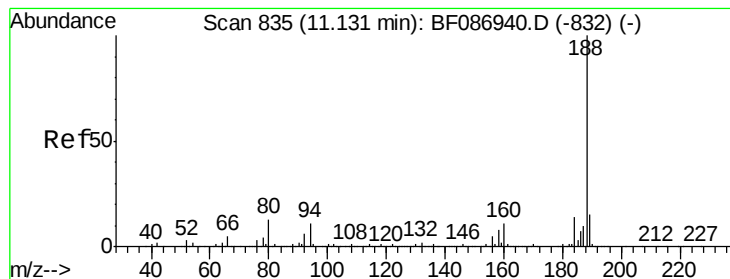
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	51.8	77.8#
89	2.1	50.7	76.1#



#56
 2,4-Dinitrotoluene
 Concen: 6.41 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.29 min
 Lab File: BF087054.D
 Acq: 15 May 2016 7:46

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.3	66.5#
89	2.1	70.0	105.0#
182	0.0	1.8	2.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 834

Delta R.T. -0.09 min

Lab File: BF087054.D

Acq: 15 May 2016 7:46

Instrument :

BNA_F

ClientSampleId :

MW-25

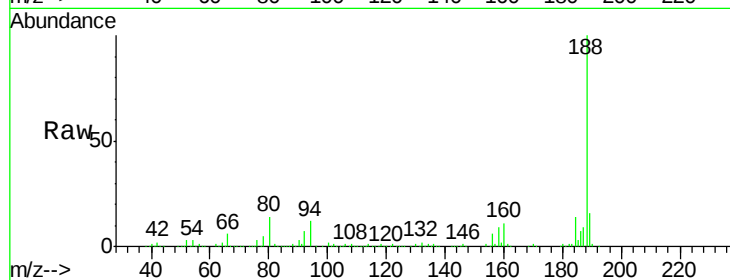
Tgt Ion:188 Resp: 451197

Ion Ratio Lower Upper

188 100

94 12.4 6.8 10.2#

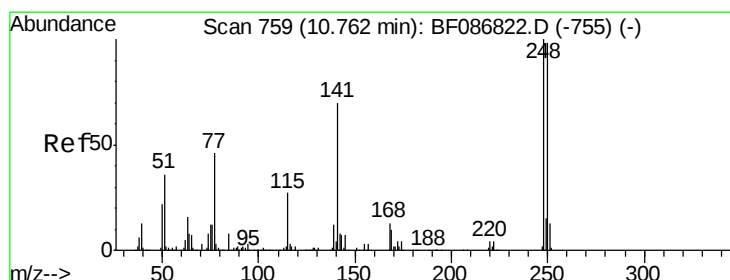
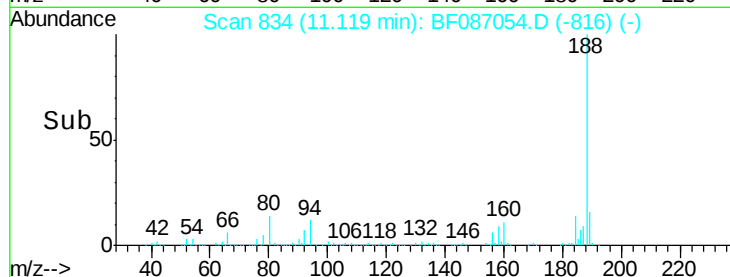
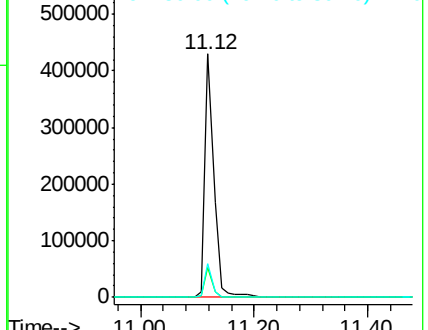
80 14.0 7.1 10.7#



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: 4.06 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.33 min

Lab File: BF087054.D

Acq: 15 May 2016 7:46

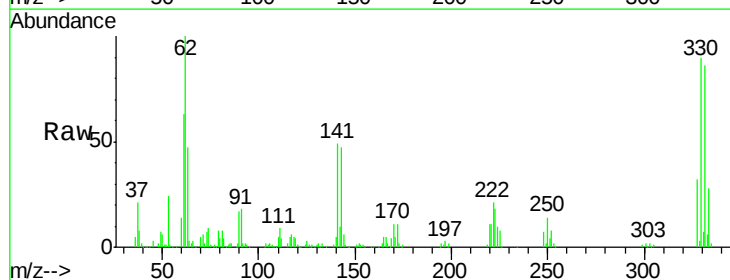
Tgt Ion:248 Resp: 18594

Ion Ratio Lower Upper

248 100

250 201.5 78.6 117.8#

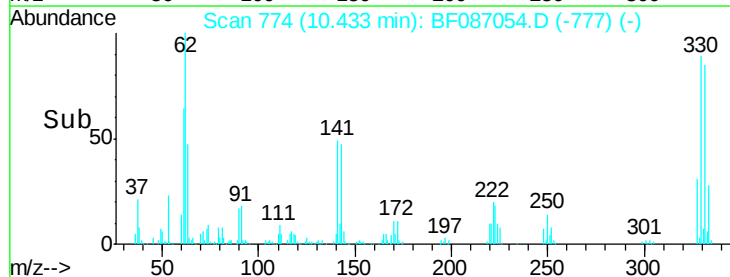
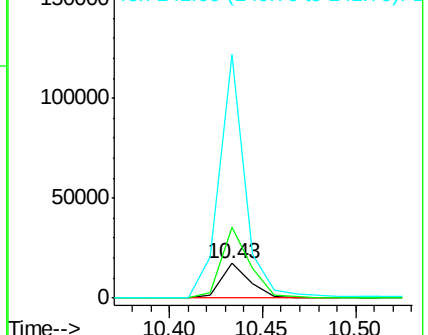
141 697.2 76.0 114.0#

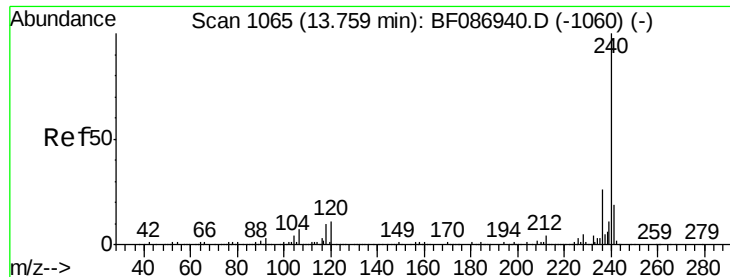


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF087054.D

Acq: 15 May 2016 7:46

Instrument :

BNA_F

ClientSampleId :

MW-25

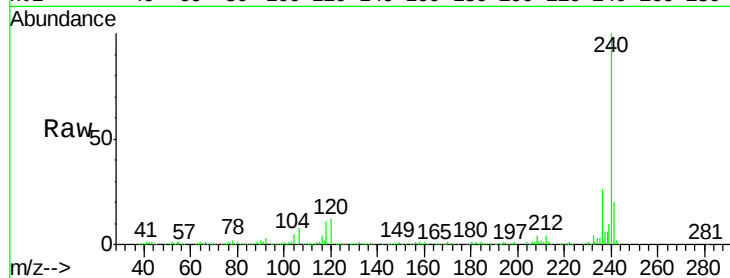
Tgt Ion:240 Resp: 312912

Ion Ratio Lower Upper

240 100

120 12.0 11.2 16.8

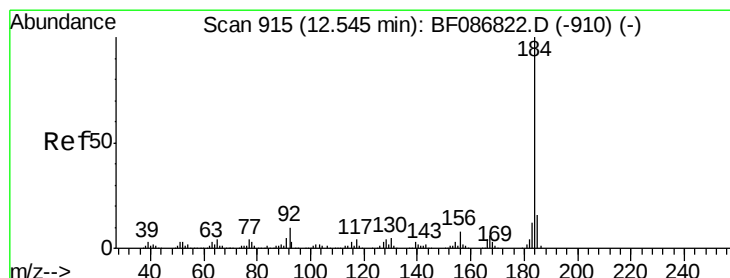
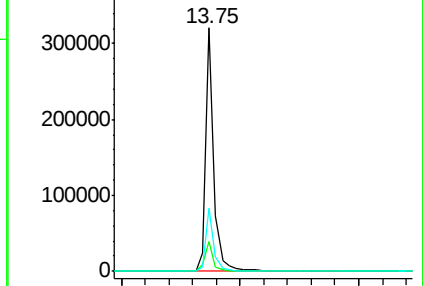
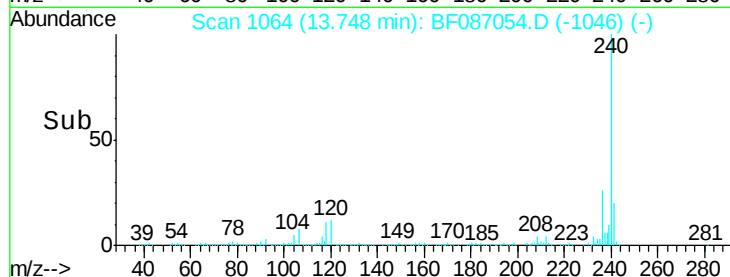
236 25.9 21.2 31.8



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: 2.38 ng

RT: 12.71 min Scan# 973

Delta R.T. 0.16 min

Lab File: BF087054.D

Acq: 15 May 2016 7:46

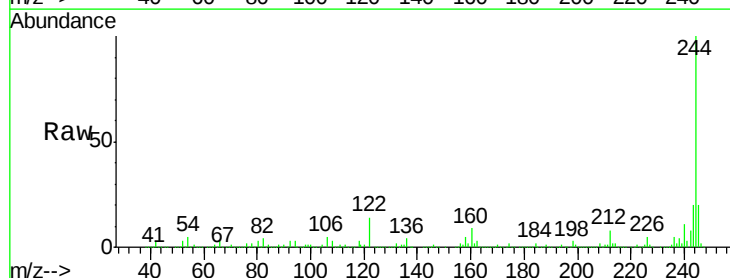
Tgt Ion:184 Resp: 18997

Ion Ratio Lower Upper

184 100

185 17.7 13.6 20.4

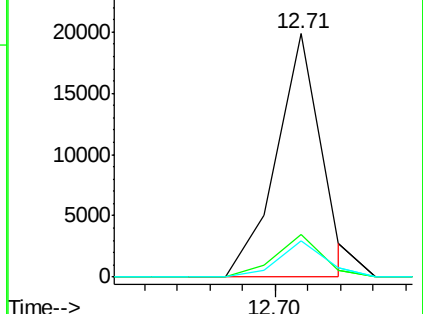
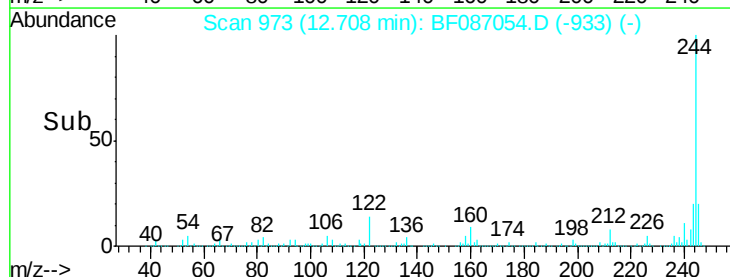
183 14.9 9.8 14.6#

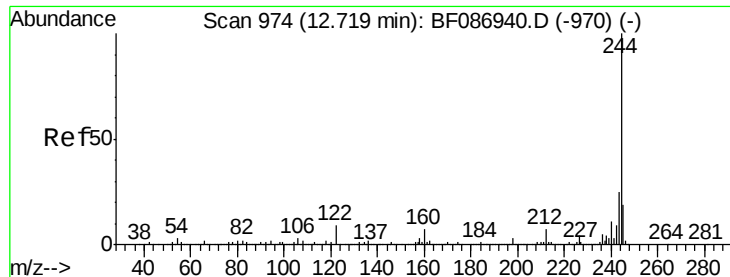


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

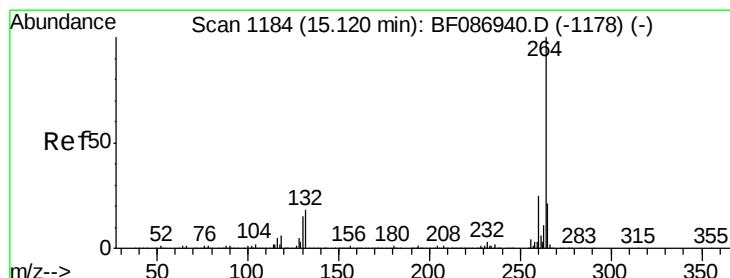
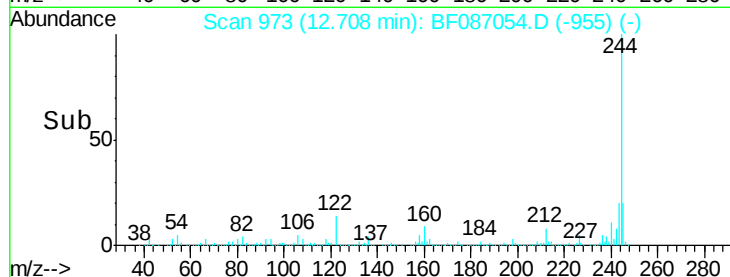
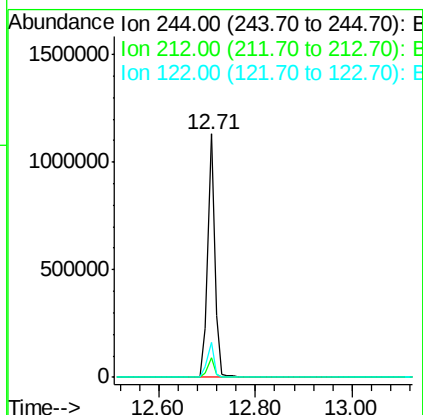
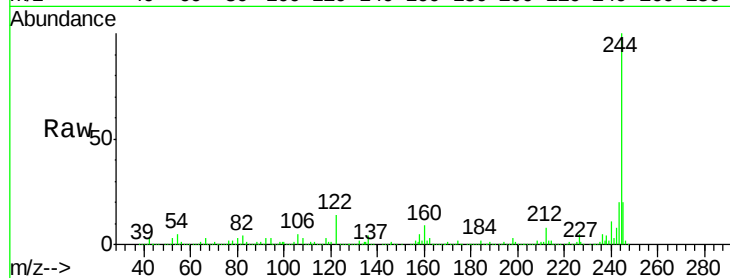




#78
 Terphenyl-d14
 Concen: 79.31 ng
 RT: 12.71 min Scan# 973
 Delta R.T. -0.09 min
 Lab File: BF087054.D
 Acq: 15 May 2016 7:46

Instrument :
 BNA_F
 ClientSampleId :
 MW-25

Tgt Ion:244 Resp: 1169658
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.2 9.2
 122 14.1 12.0 18.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. -0.10 min
 Lab File: BF087054.D
 Acq: 15 May 2016 7:46

Tgt Ion:264 Resp: 289702
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.5 29.3
 265 21.7 17.3 25.9

