

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051616\
 Data File : BF087086.D
 Acq On : 16 May 2016 17:30
 Operator : UM/SJ
 Sample : PB90651BL
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB90651BL

Quant Time: May 17 00:54:38 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

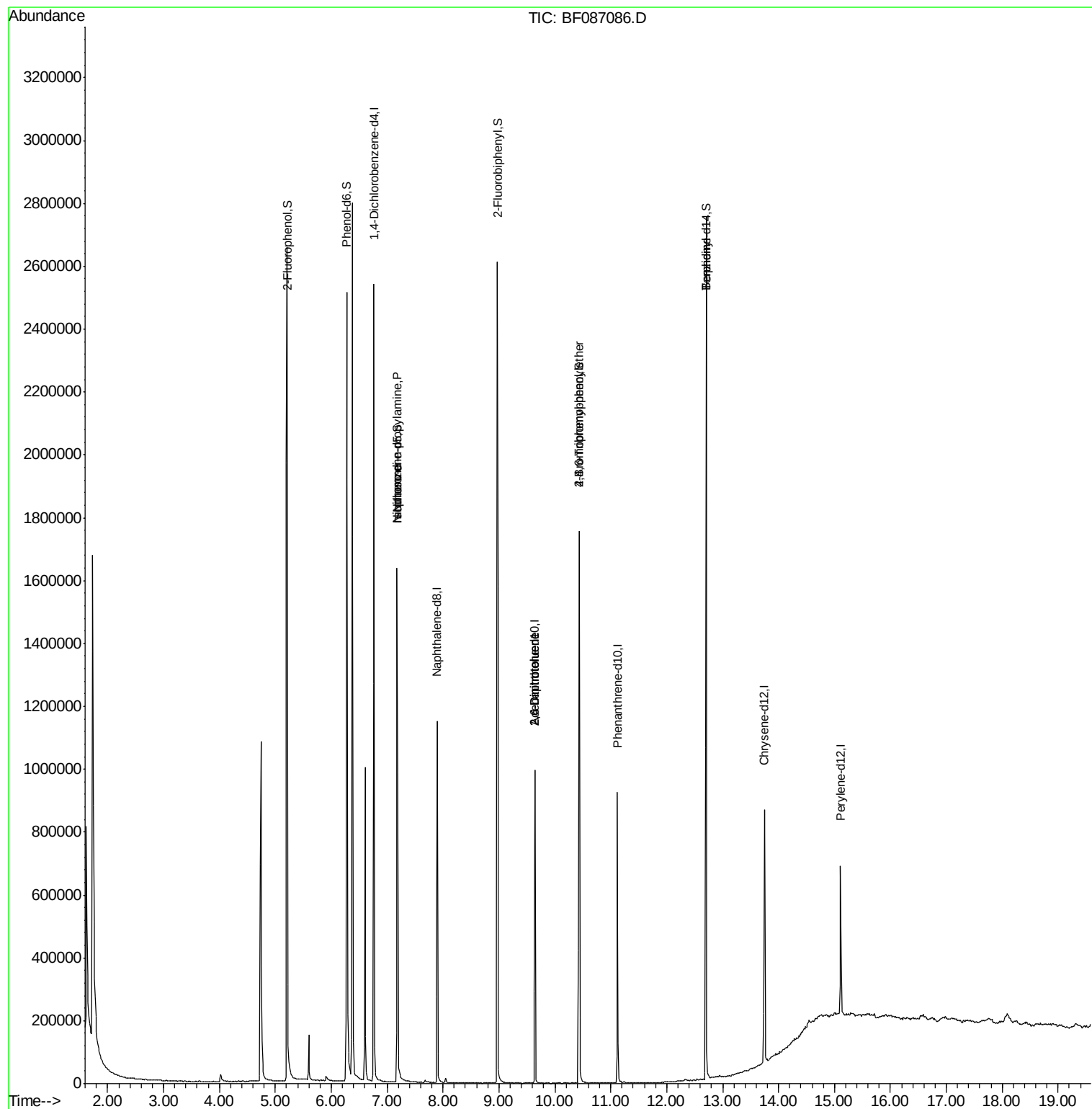
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	403658	20.00	ng	0.07
21) Naphthalene-d8	7.90	136	499044	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	193088	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	309545	20.00	ng	-0.09
75) Chrysene-d12	13.75	240	263911	20.00	ng	-0.09
86) Perylene-d12	15.11	264	203434	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	882558	37.03	ng	-0.08
7) Phenol-d6	6.27	99	1078752	33.86	ng	-0.09
23) Nitrobenzene-d5	7.18	82	648498	65.25	ng	-0.09
41) 2,4,6-Tribromophenol	10.43	330	178630	87.39	ng	-0.09
44) 2-Fluorobiphenyl	8.97	172	1025268	89.24	ng	-0.09
78) Terphenyl-d14	12.71	244	842961	67.77	ng	-0.09
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.18	70	89932	4.04	ng	# 69
25) Isophorone	7.18	82	606892	32.91	ng	# 68
50) 2,6-Dinitrotoluene	9.64	165	24112	7.78	ng	# 21
56) 2,4-Dinitrotoluene	9.64	165	24113	6.28	ng	# 16
66) 4-Bromophenyl-phenylether	10.43	248	11662	3.72	ng	# 1
76) Benzidine	12.71	184	13567	2.02	ng	# 96

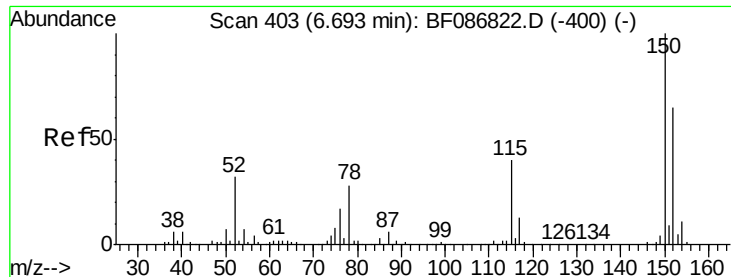
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 17 00:54:38 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
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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: BF087086.D

Acq: 16 May 2016 17:30

Instrument :

BNA_F

ClientSampleId :

PB90651BL

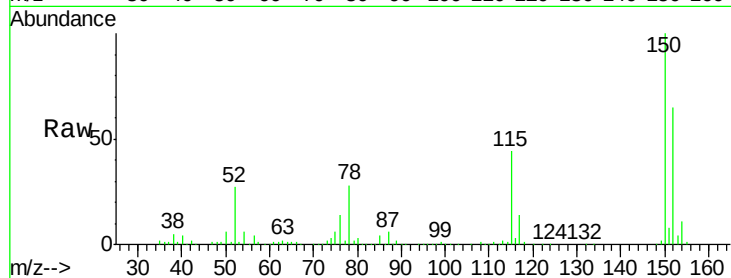
Tgt Ion:152 Resp: 403658

Ion Ratio Lower Upper

152 100

150 154.8 125.8 188.6

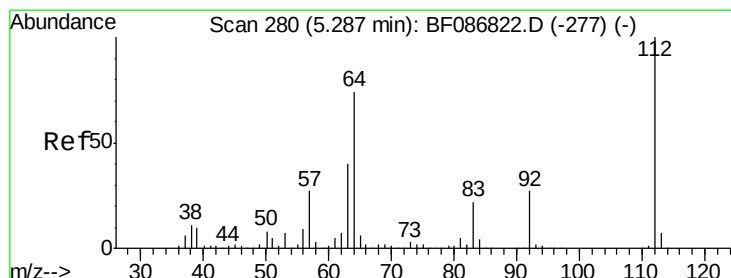
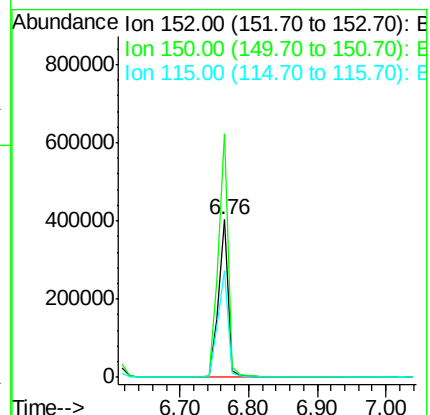
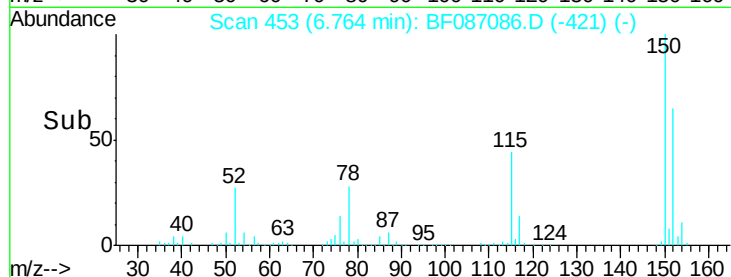
115 67.8 51.5 77.3



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: 37.03 ng

RT: 5.21 min Scan# 317

Delta R.T. -0.08 min

Lab File: BF087086.D

Acq: 16 May 2016 17:30

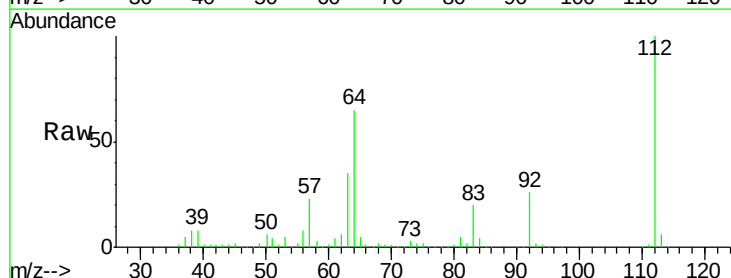
Tgt Ion:112 Resp: 882558

Ion Ratio Lower Upper

112 100

64 64.6 52.1 78.1

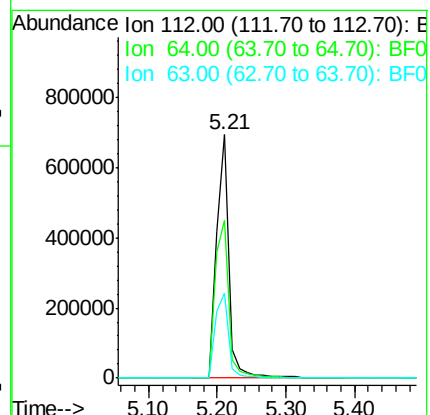
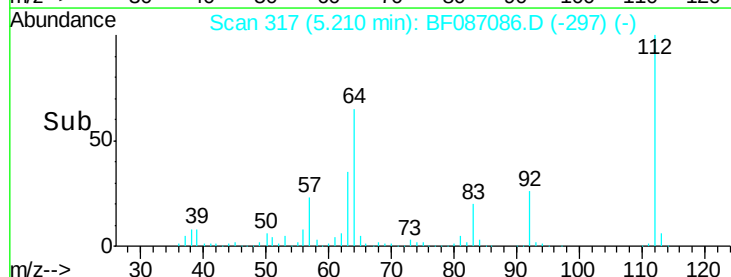
63 35.0 25.7 38.5

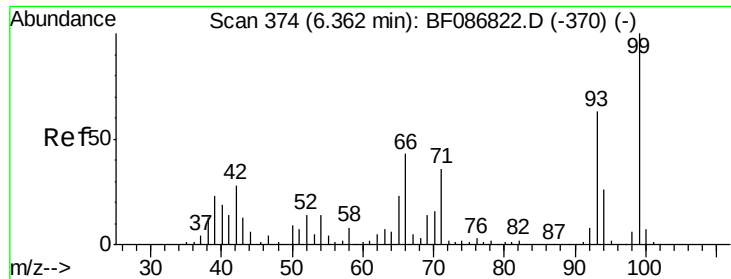


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 33.86 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.09 min

Lab File: BF087086.D

Acq: 16 May 2016 17:30

Instrument :

BNA_F

ClientSampleId :

PB90651BL

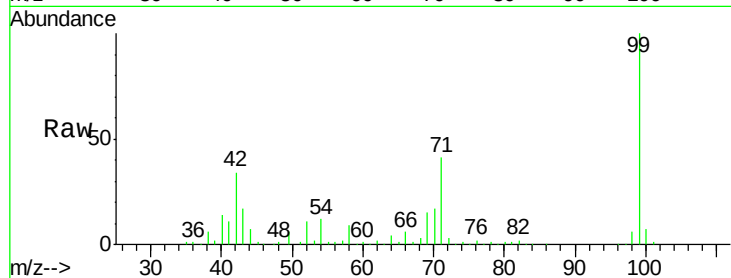
Tgt Ion: 99 Resp: 1078752

Ion Ratio Lower Upper

99 100

42 33.6 13.6 20.4#

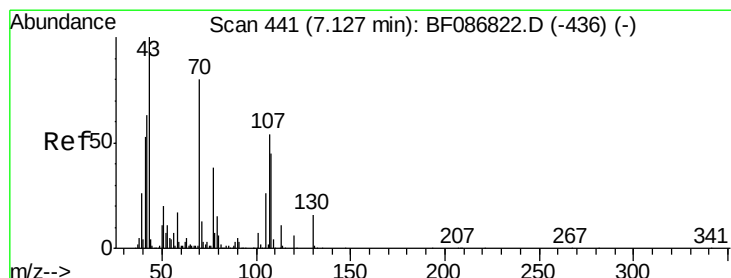
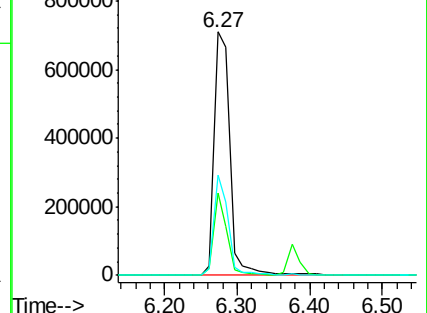
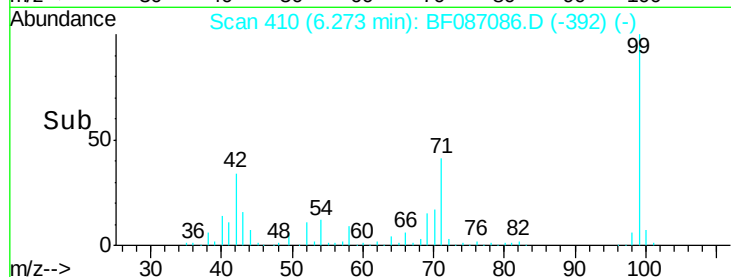
71 41.2 24.6 36.8#



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: 4.04 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.05 min

Lab File: BF087086.D

Acq: 16 May 2016 17:30

Tgt Ion: 70 Resp: 89932

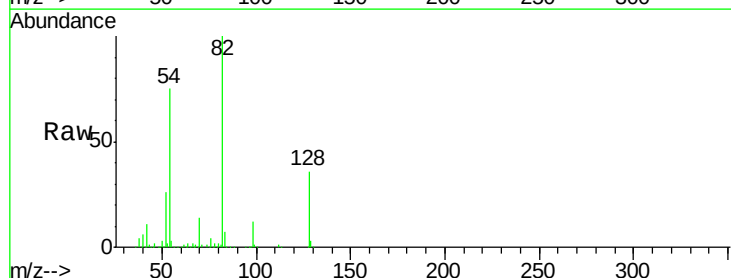
Ion Ratio Lower Upper

70 100

42 72.8 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#

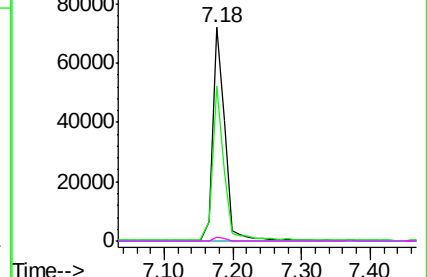
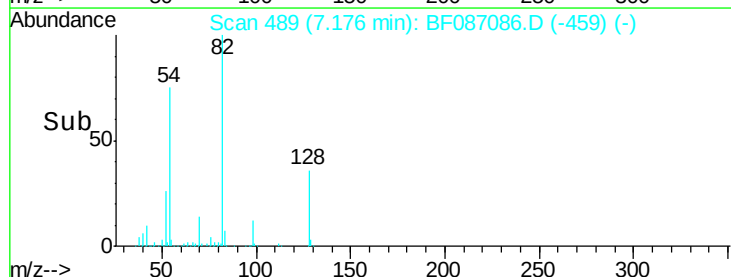


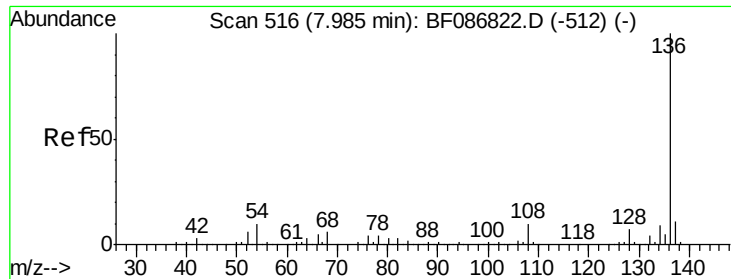
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

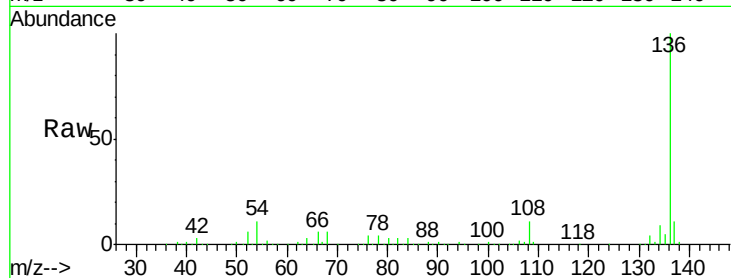




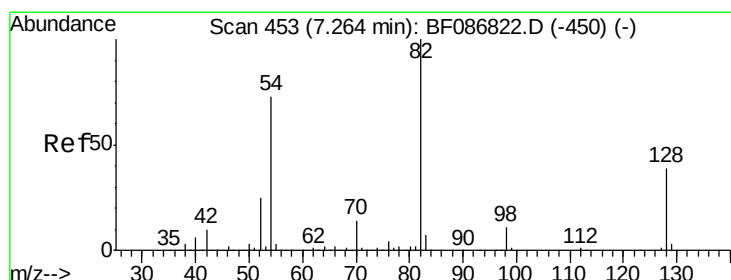
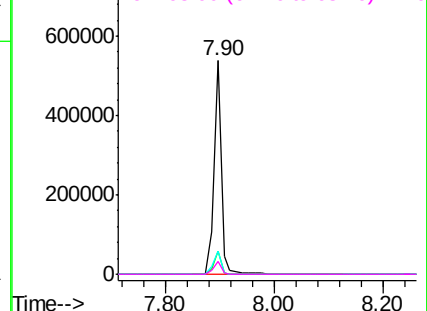
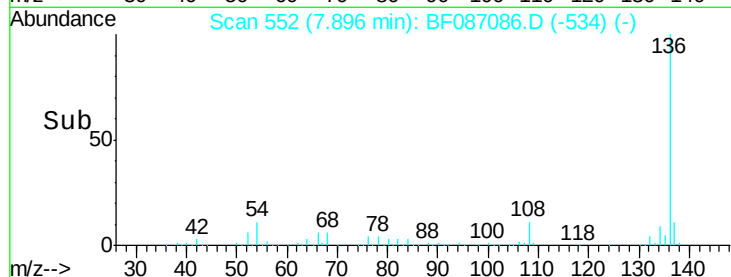
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087086.D
Acq: 16 May 2016 17:30

Instrument :
BNA_F
ClientSampleId :
PB90651BL

Tgt Ion:	136	Resp:	499044
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	10.8	5.0	7.4#
68	5.8	4.4	6.6

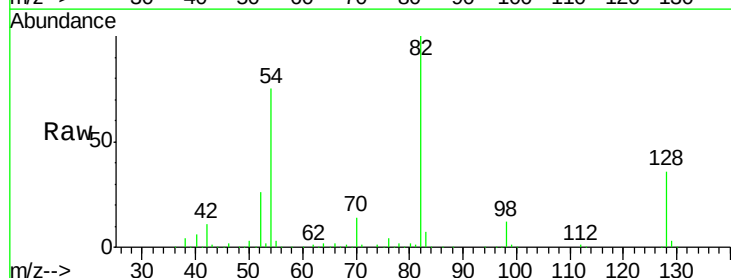


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

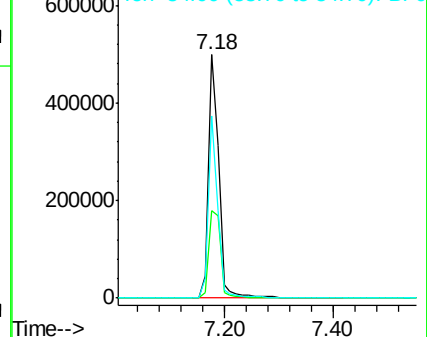
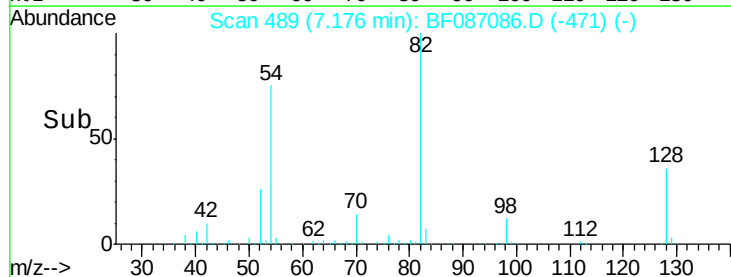


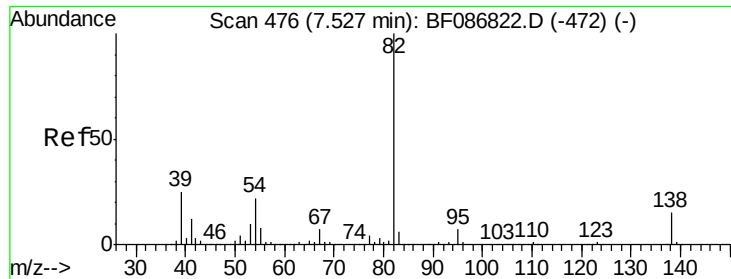
#23
Nitrobenzene-d5
Concen: 65.25 ng
RT: 7.18 min Scan# 489
Delta R.T. -0.09 min
Lab File: BF087086.D
Acq: 16 May 2016 17:30

Tgt Ion:	82	Resp:	648498
Ion	Ratio	Lower	Upper
82	100		
128	35.9	40.6	61.0#
54	74.8	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: 32.91 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.35 min

Lab File: BF087086.D

Acq: 16 May 2016 17:30

Instrument :

BNA_F

ClientSampleId :

PB90651BL

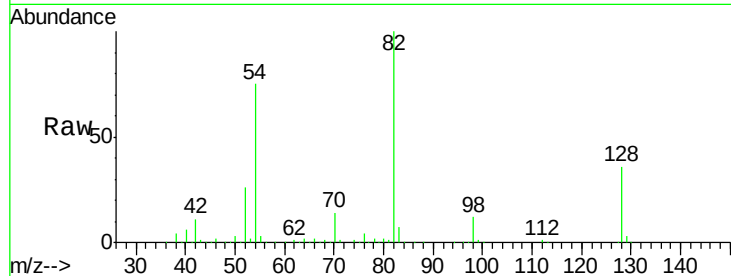
Tgt Ion: 82 Resp: 606892

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

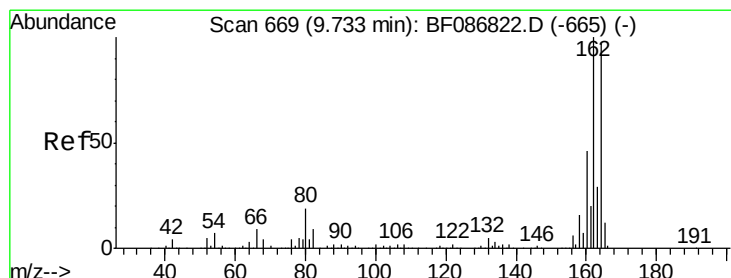
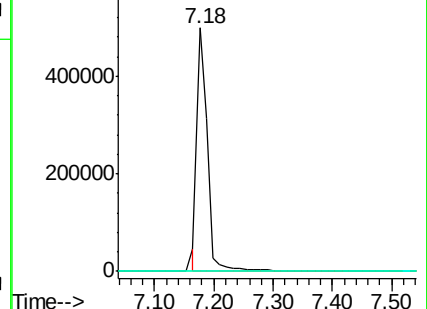
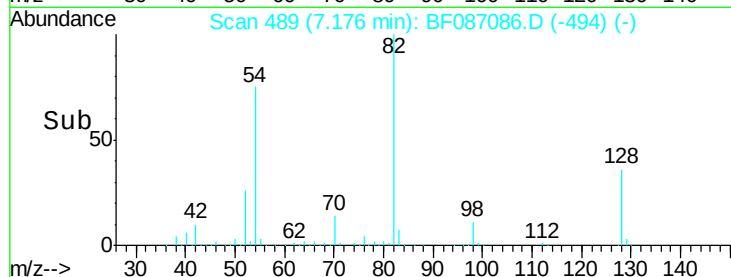
138 0.0 12.4 18.6#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.09 min

Lab File: BF087086.D

Acq: 16 May 2016 17:30

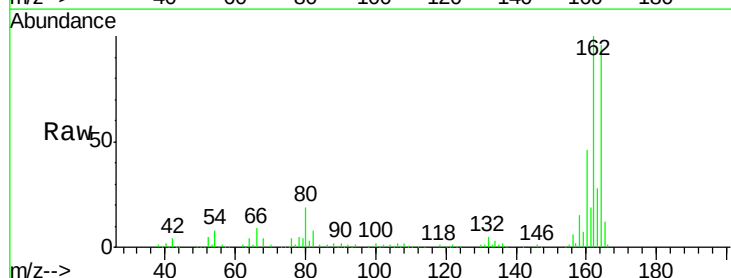
Tgt Ion: 164 Resp: 193088

Ion Ratio Lower Upper

164 100

162 104.5 82.8 124.2

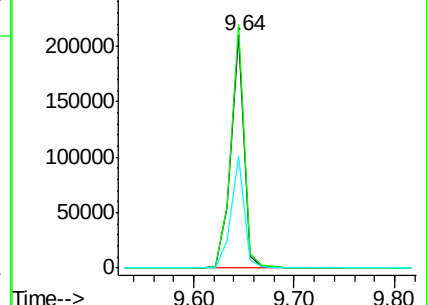
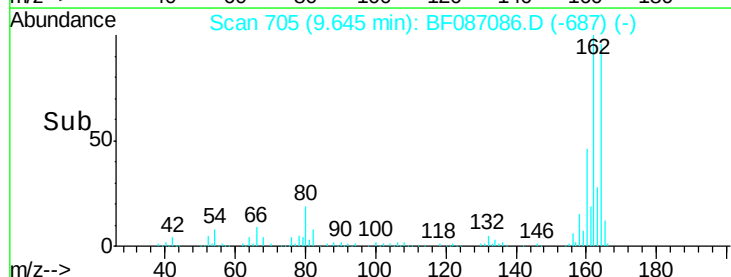
160 47.9 36.9 55.3

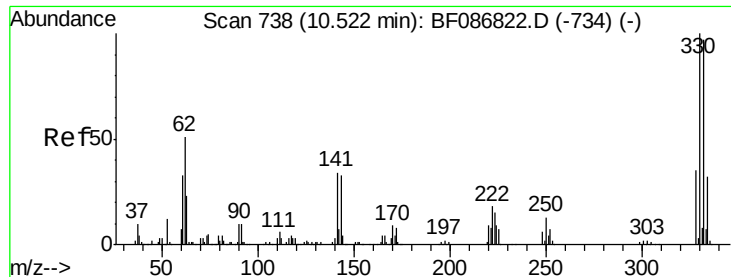


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

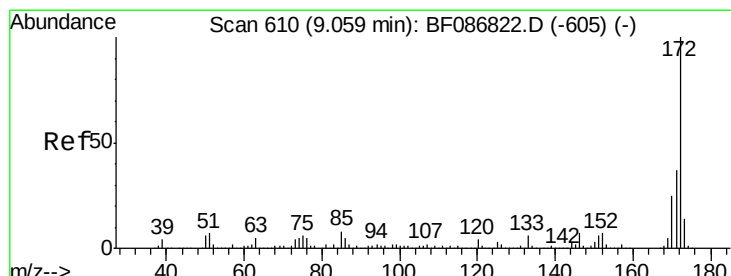
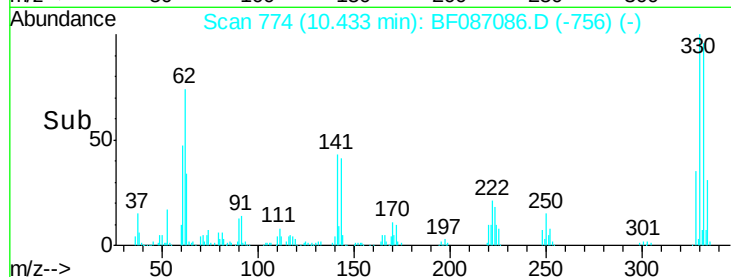
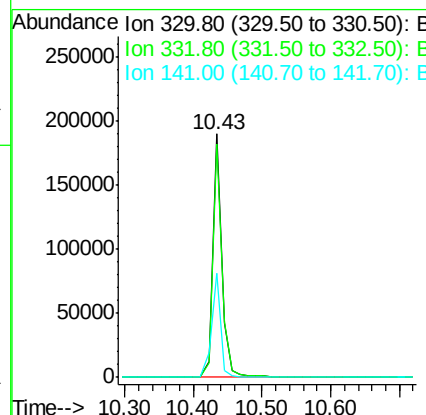
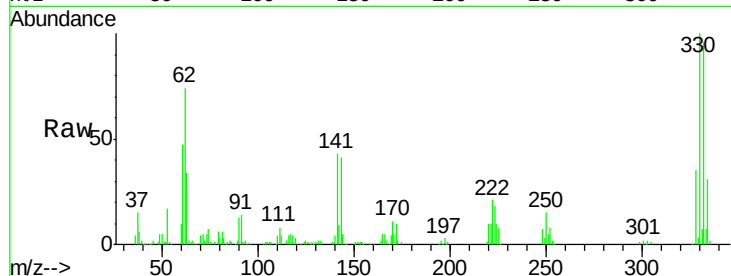




#41
 2,4,6-Tribromophenol
 Concen: 87.39 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.09 min
 Lab File: BF087086.D
 Acq: 16 May 2016 17:30

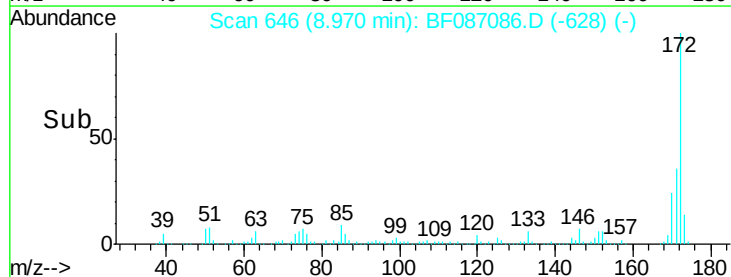
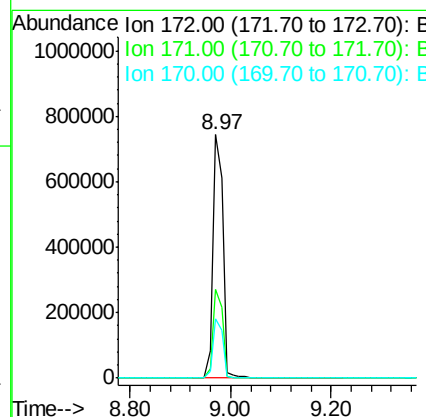
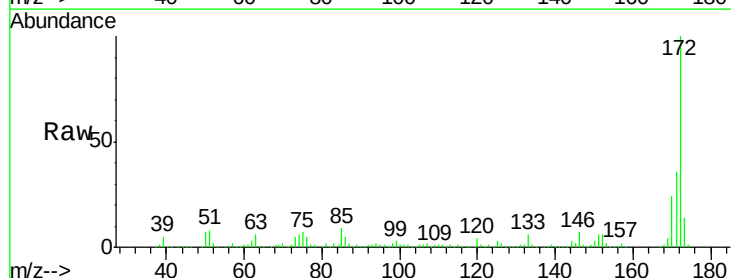
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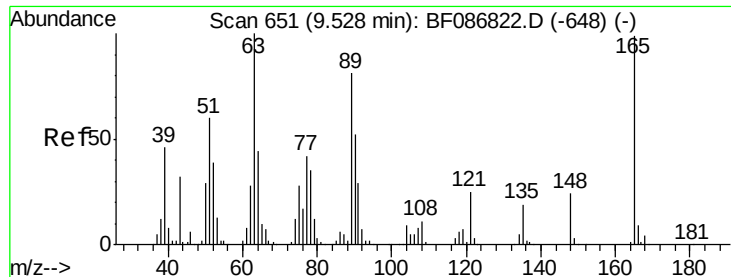
Tgt Ion:330 Resp: 178630
 Ion Ratio Lower Upper
 330 100
 332 97.2 79.0 118.4
 141 42.5 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 89.24 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.09 min
 Lab File: BF087086.D
 Acq: 16 May 2016 17:30

Tgt Ion:172 Resp: 1025268
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.0 43.6
 170 24.3 19.8 29.8

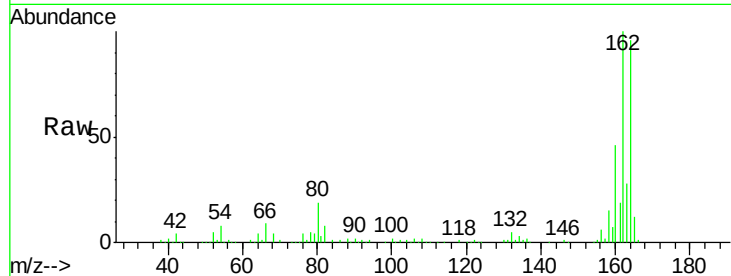




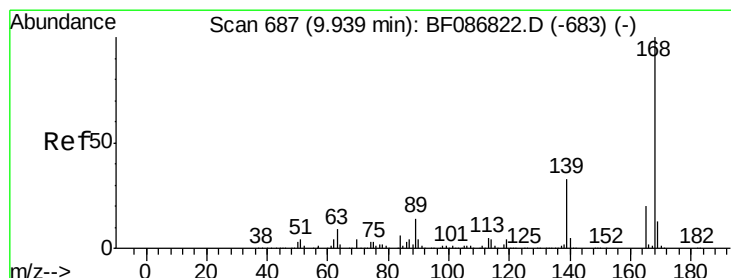
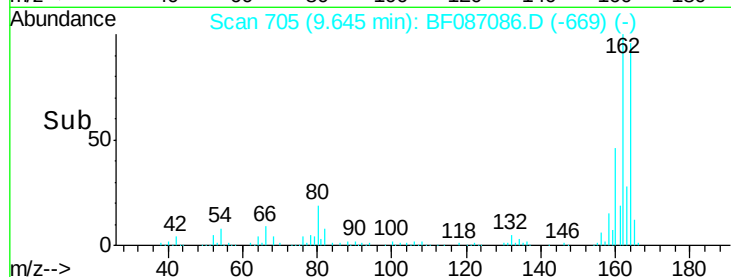
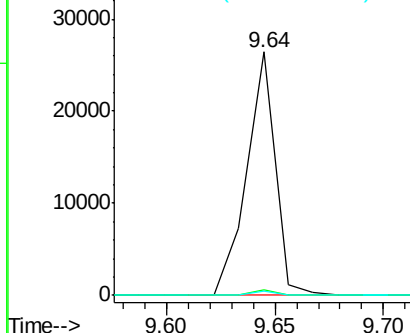
#50
 2,6-Dinitrotoluene
 Concen: 7.78 ng
 RT: 9.64 min Scan# 705
 Delta R.T. 0.12 min
 Lab File: BF087086.D
 Acq: 16 May 2016 17:30

Instrument :
 BNA_F
 ClientSampleId :
 PB90651BL

Tgt Ion:165 Resp: 24112
 Ion Ratio Lower Upper
 165 100
 63 2.3 51.8 77.8#
 89 1.5 50.7 76.1#

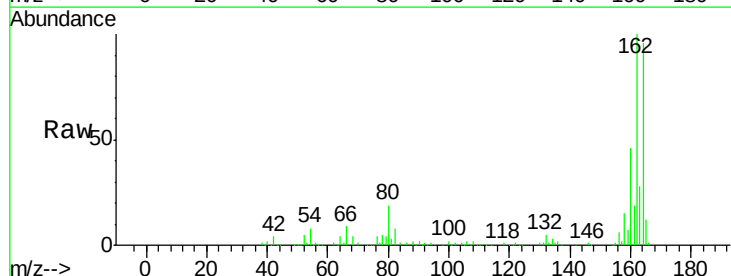


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

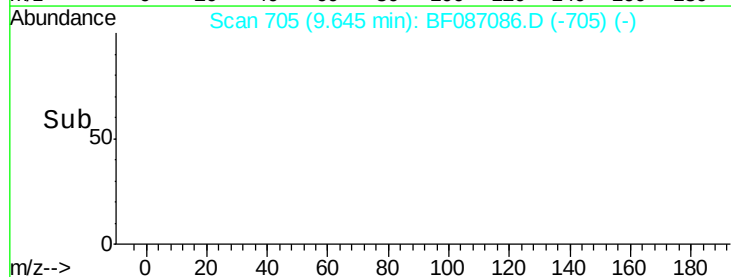
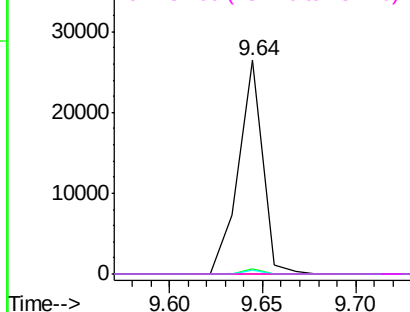


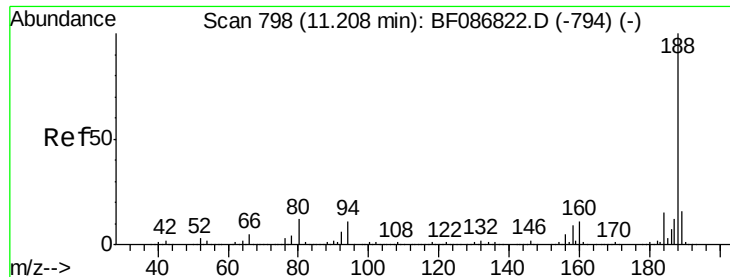
#56
 2,4-Dinitrotoluene
 Concen: 6.28 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.29 min
 Lab File: BF087086.D
 Acq: 16 May 2016 17:30

Tgt Ion:165 Resp: 24113
 Ion Ratio Lower Upper
 165 100
 63 2.3 44.3 66.5#
 89 1.5 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

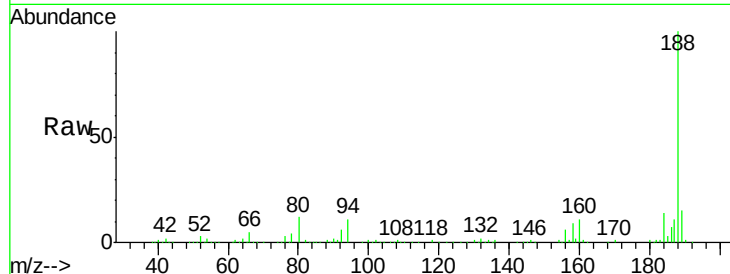




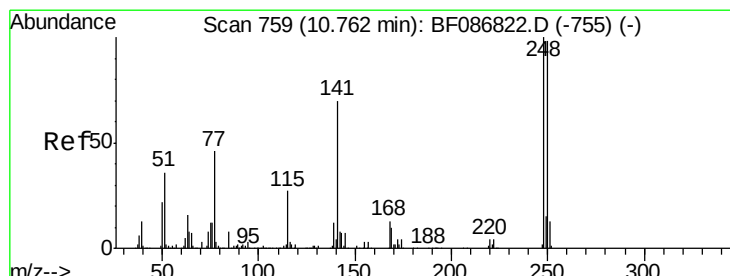
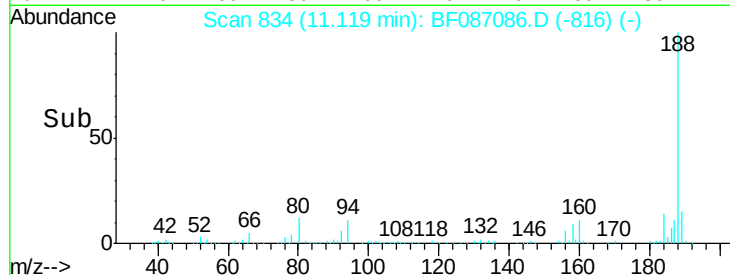
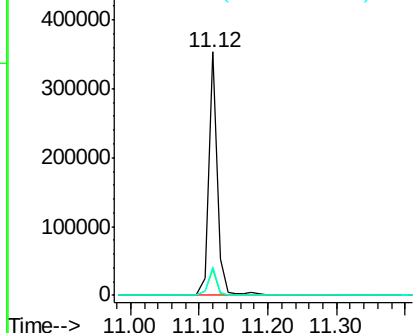
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.09 min
Lab File: BF087086.D
Acq: 16 May 2016 17:30

Instrument :
BNA_F
ClientSampleId :
PB90651BL

Tgt Ion:188 Resp: 309545
Ion Ratio Lower Upper
188 100
94 10.7 6.8 10.2#
80 11.8 7.1 10.7#

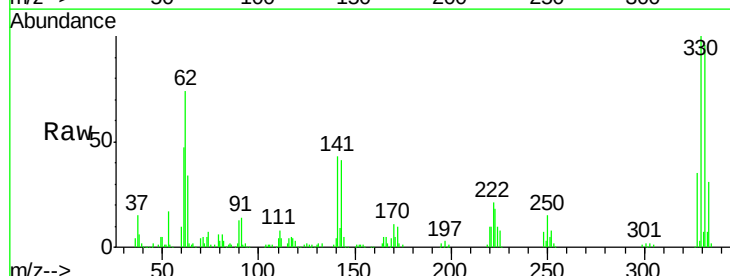


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

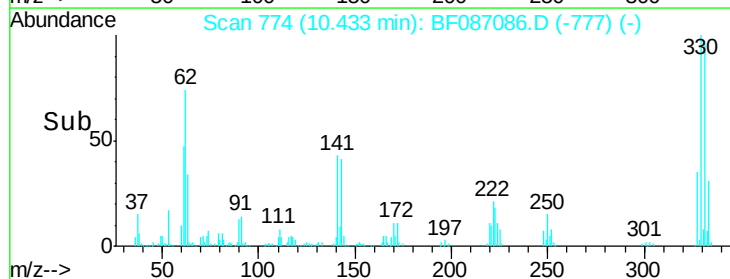
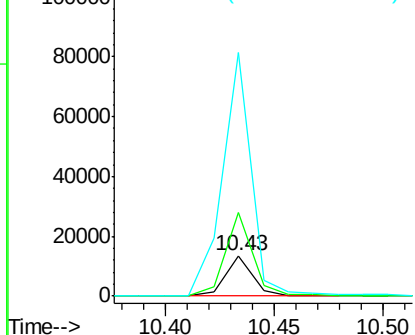


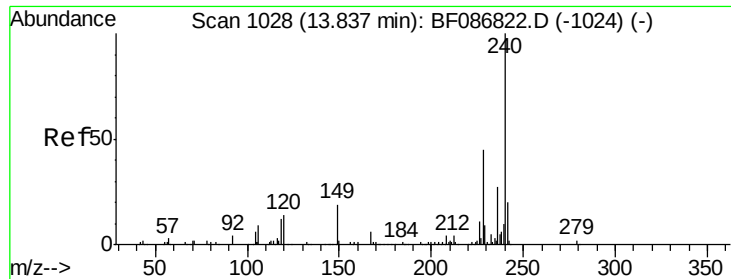
#66
4-Bromophenyl-phenylether
Concen: 3.72 ng
RT: 10.43 min Scan# 774
Delta R.T. -0.33 min
Lab File: BF087086.D
Acq: 16 May 2016 17:30

Tgt Ion:248 Resp: 11662
Ion Ratio Lower Upper
248 100
250 205.9 78.6 117.8#
141 600.8 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: BF087086.D

Acq: 16 May 2016 17:30

Instrument :

BNA_F

ClientSampleId :

PB90651BL

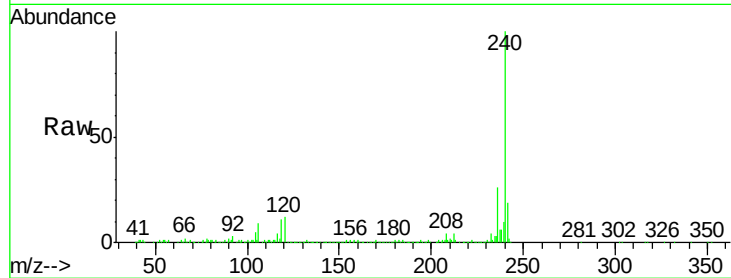
Tgt Ion:240 Resp: 263911

Ion Ratio Lower Upper

240 100

120 12.2 11.2 16.8

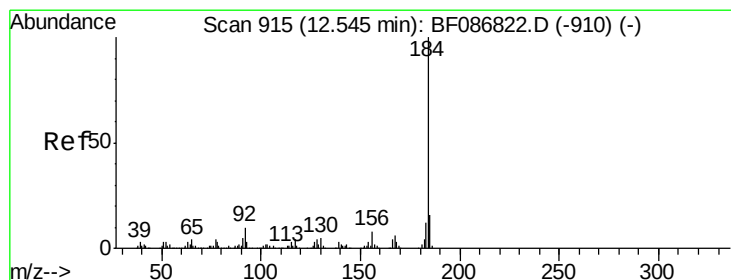
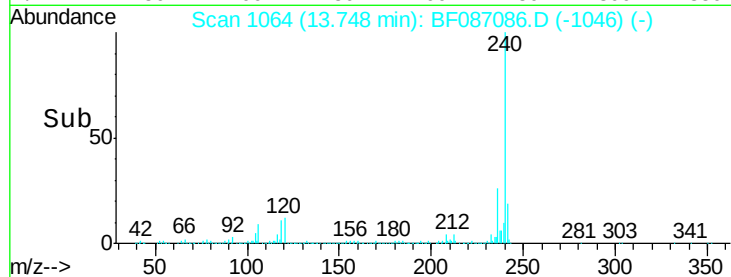
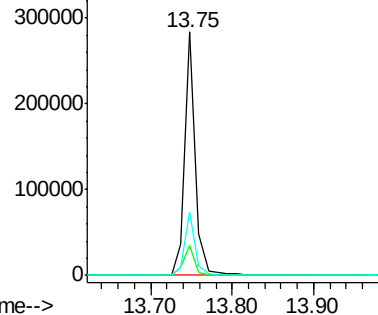
236 25.8 21.2 31.8



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: 2.02 ng

RT: 12.71 min Scan# 973

Delta R.T. 0.16 min

Lab File: BF087086.D

Acq: 16 May 2016 17:30

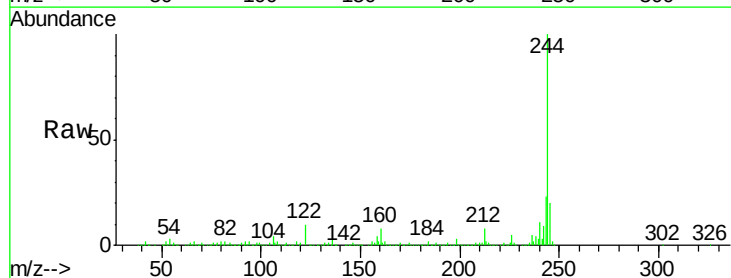
Tgt Ion:184 Resp: 13567

Ion Ratio Lower Upper

184 100

185 16.9 13.6 20.4

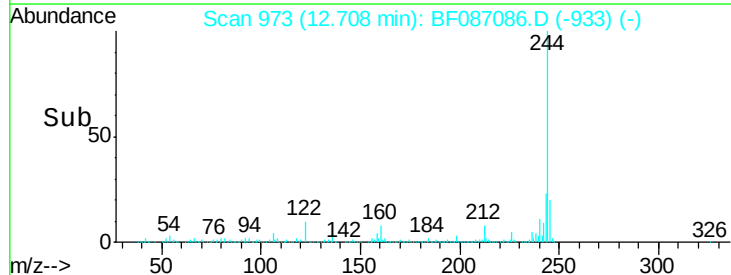
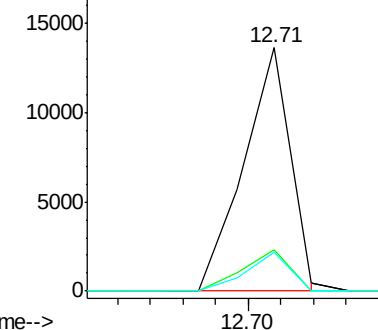
183 15.7 9.8 14.6#

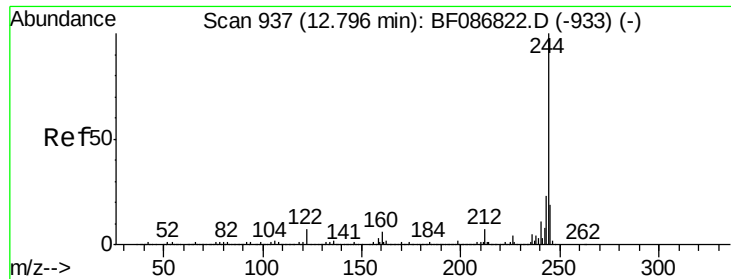


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 67.77 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.09 min

Lab File: BF087086.D

Acq: 16 May 2016 17:30

Instrument :

BNA_F

ClientSampleId :

PB90651BL

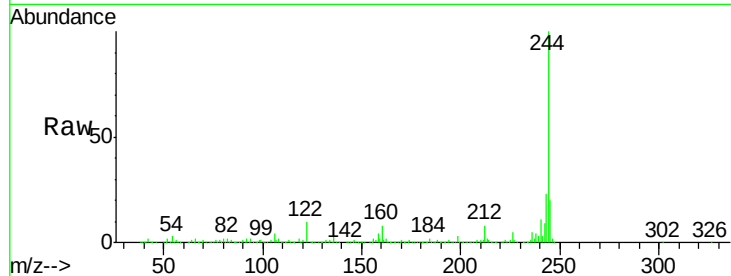
Tgt Ion:244 Resp: 842961

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

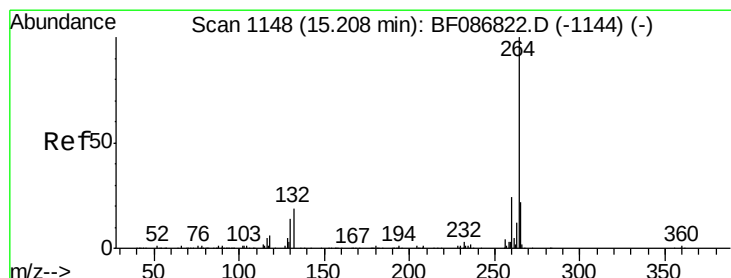
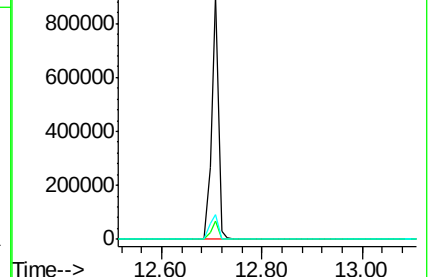
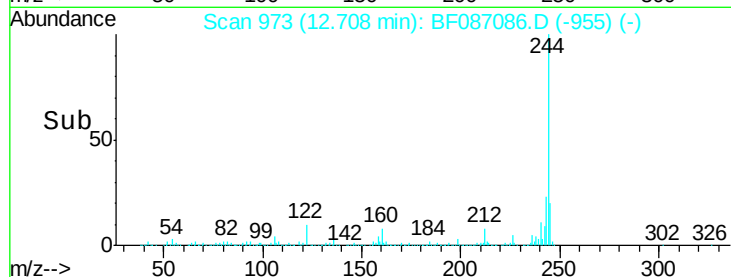
122 10.4 12.0 18.0#



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: BF087086.D

Acq: 16 May 2016 17:30

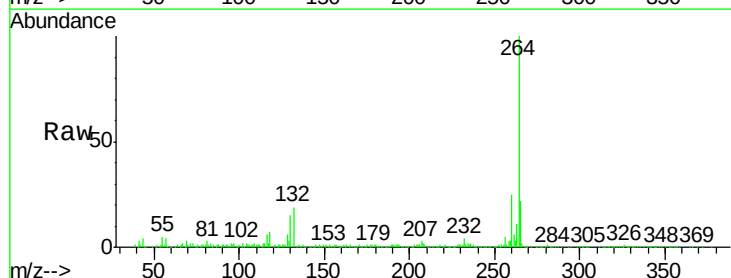
Tgt Ion:264 Resp: 203434

Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

265 22.3 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

