

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
 Data File : BF087059.D
 Acq On : 15 May 2016 10:09
 Operator : UM/SJ
 Sample : H3053-04
 Misc :
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-20

Quant Time: May 16 04:55:49 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	6.62	152	131576	20.00	ng	-0.08
21) Naphthalene-d8	7.90	136	546237	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	261833	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	459248	20.00	ng	-0.09
75) Chrysene-d12	13.75	240	317473	20.00	ng	-0.09
86) Perylene-d12	15.11	264	301941	20.00	ng	-0.10

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.21	112	514144	66.18	ng	-0.08
7) Phenol-d6	6.28	99	404927	39.00	ng	-0.08
23) Nitrobenzene-d5	7.19	82	1007360	92.60	ng	-0.08
41) 2,4,6-Tribromophenol	10.44	330	349787	126.19	ng	-0.08
44) 2-Fluorobiphenyl	8.98	172	1616576	103.76	ng	-0.08
78) Terphenyl-d14	12.71	244	1218148	81.41	ng	-0.09

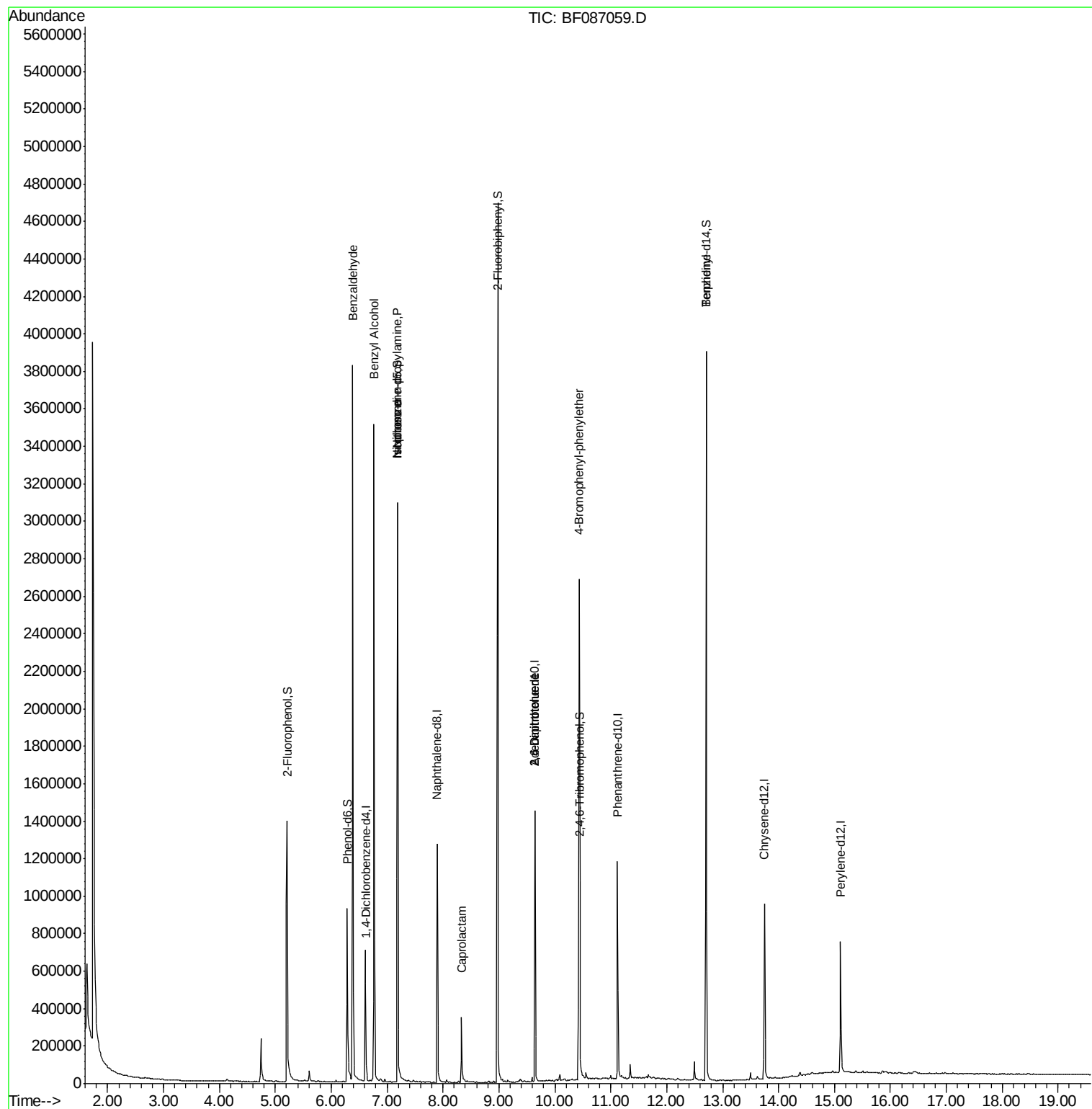
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.39	77	26856	4.47	ng	# 76
15) Benzyl Alcohol	6.76	79	17139	2.39	ng	# 42
19) n-Nitroso-di-n-propylamine	7.19	70	145821	20.09	ng	# 73
25) Isophorone	7.19	82	990825	49.09	ng	# 68
35) Caprolactam	8.33	113	31882	12.71	ng	# 67
50) 2,6-Dinitrotoluene	9.64	165	34090	8.11	ng	# 21
56) 2,4-Dinitrotoluene	9.64	165	34355	6.60	ng	# 16
66) 4-Bromophenyl-phenylether	10.43	248	20719	4.45	ng	# 1
76) Benzidine	12.71	184	19004	2.35	ng	98

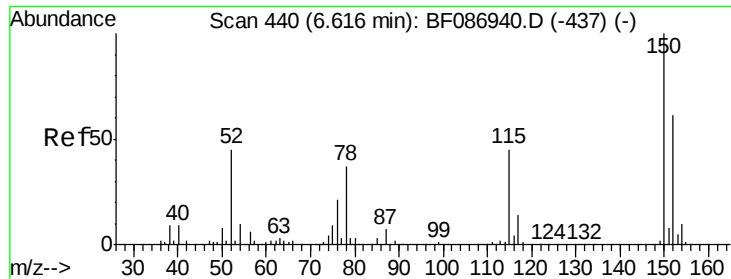
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.08 min

Lab File: BF087059.D

Acq: 15 May 2016 10:09

Instrument :

BNA_F

ClientSampled :

W-20

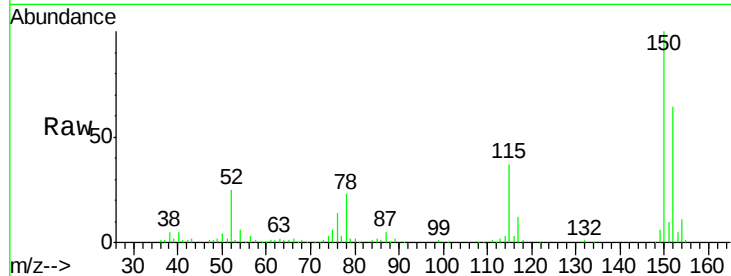
Tgt Ion:152 Resp: 131576

Ion Ratio Lower Upper

152 100

150 156.4 125.8 188.6

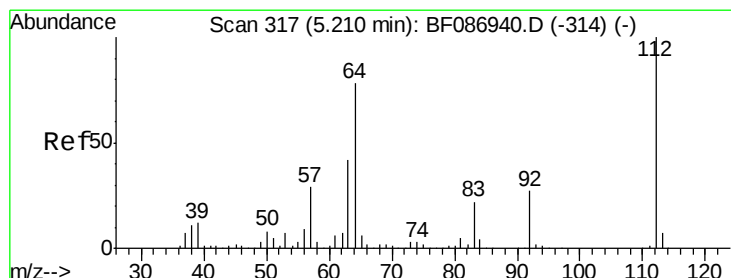
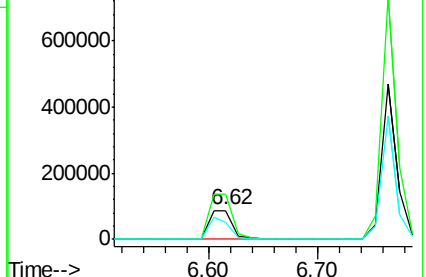
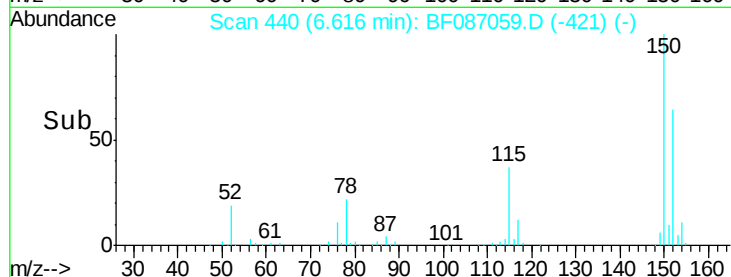
115 57.6 51.5 77.3



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: 66.18 ng

RT: 5.21 min Scan# 317

Delta R.T. -0.08 min

Lab File: BF087059.D

Acq: 15 May 2016 10:09

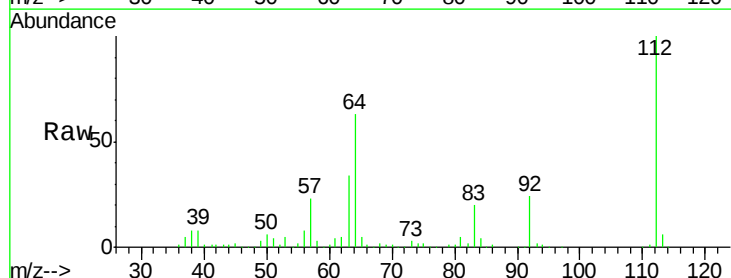
Tgt Ion:112 Resp: 514144

Ion Ratio Lower Upper

112 100

64 62.7 52.1 78.1

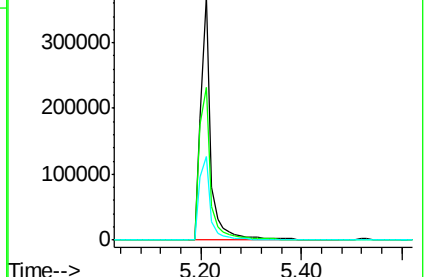
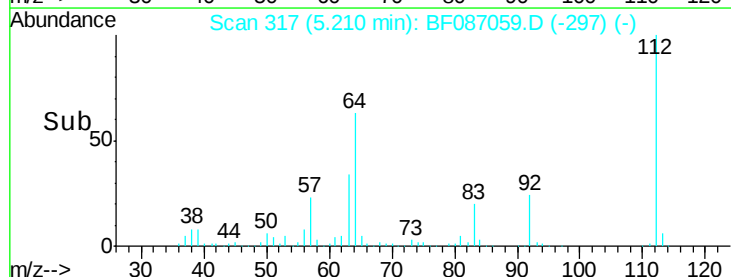
63 34.2 25.7 38.5



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: 39.00 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF087059.D

Acq: 15 May 2016 10:09

Instrument :

BNA_F

ClientSampleId :

W-20

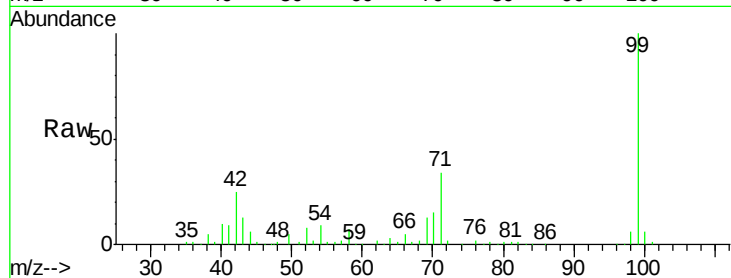
Tgt Ion: 99 Resp: 404927

Ion Ratio Lower Upper

99 100

42 25.0 13.6 20.4#

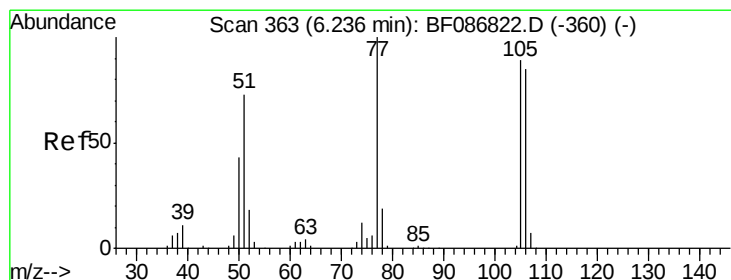
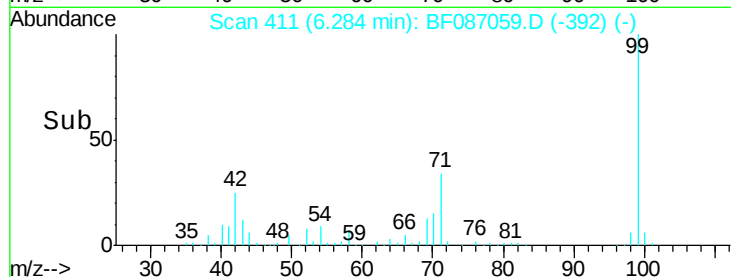
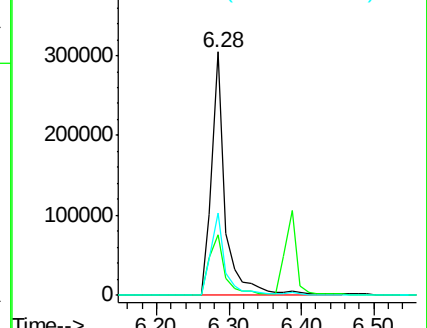
71 34.0 24.6 36.8



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: 4.47 ng

RT: 6.39 min Scan# 420

Delta R.T. 0.15 min

Lab File: BF087059.D

Acq: 15 May 2016 10:09

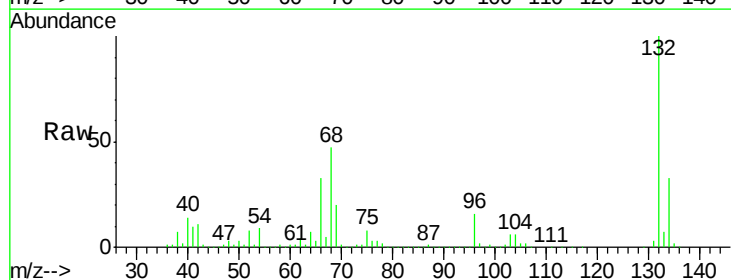
Tgt Ion: 77 Resp: 26856

Ion Ratio Lower Upper

77 100

105 74.7 72.7 112.7

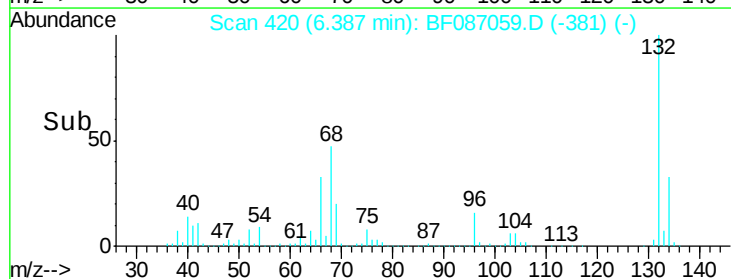
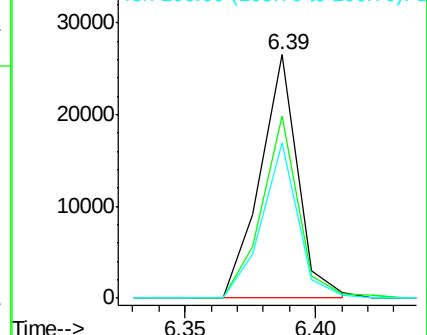
106 63.7 70.8 110.8#

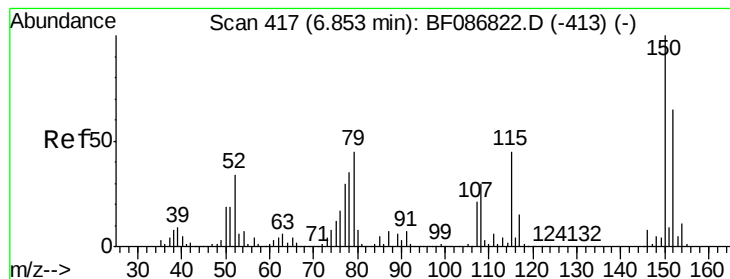


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#15

Benzyl Alcohol

Concen: 2.39 ng

RT: 6.76 min Scan# 453

Delta R.T. -0.09 min

Lab File: BF087059.D

Acq: 15 May 2016 10:09

Instrument :

BNA_F

ClientSampleId :

W-20

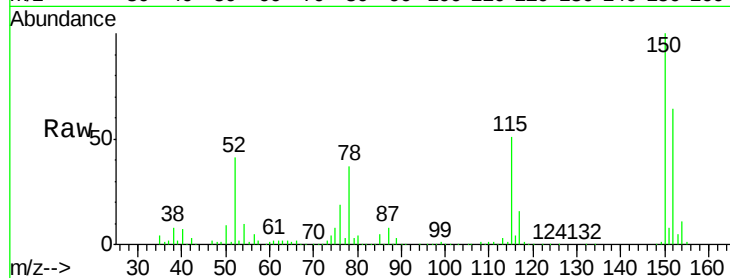
Tgt Ion: 79 Resp: 17139

Ion Ratio Lower Upper

79 100

108 29.6 68.4 102.6#

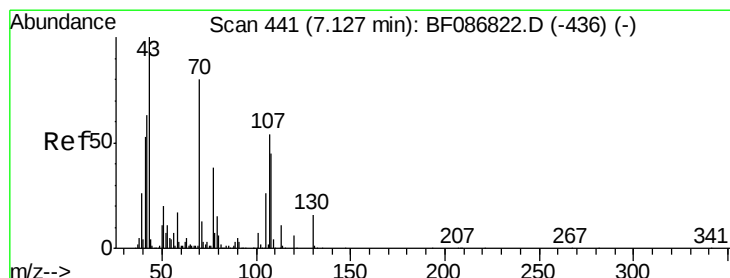
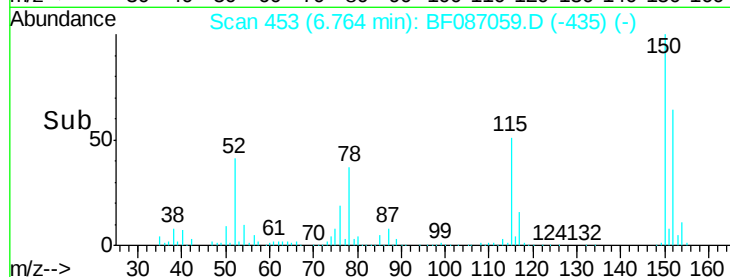
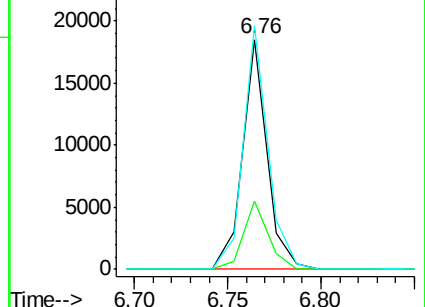
77 105.8 50.6 76.0#



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: 20.09 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.06 min

Lab File: BF087059.D

Acq: 15 May 2016 10:09

Tgt Ion: 70 Resp: 145821

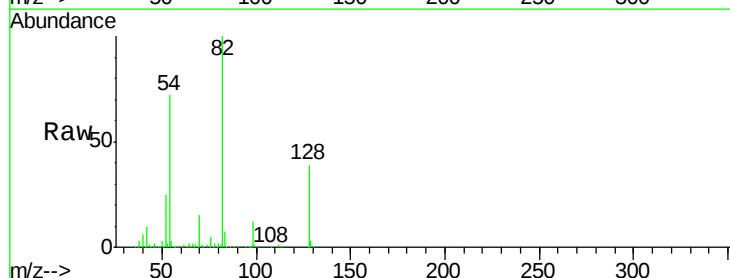
Ion Ratio Lower Upper

70 100

42 67.7 43.1 64.7#

101 0.0 8.1 12.1#

130 1.6 18.6 28.0#

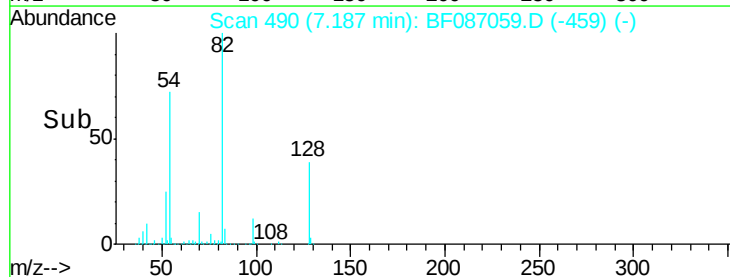
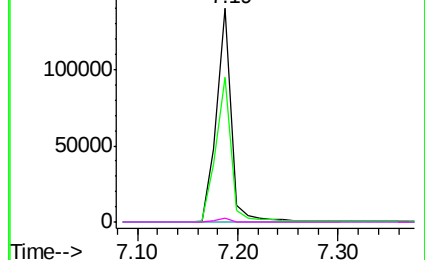


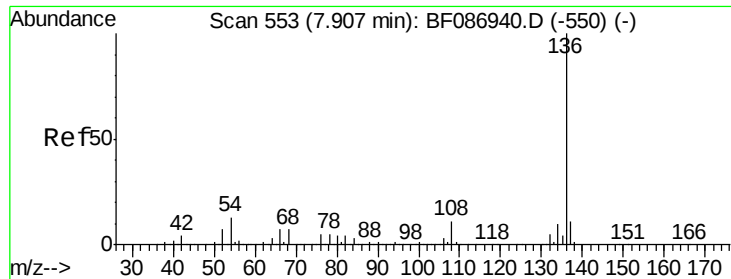
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

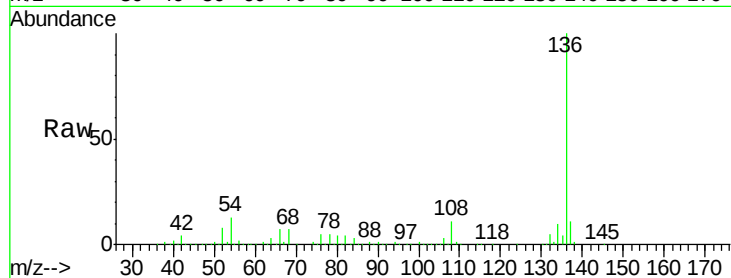




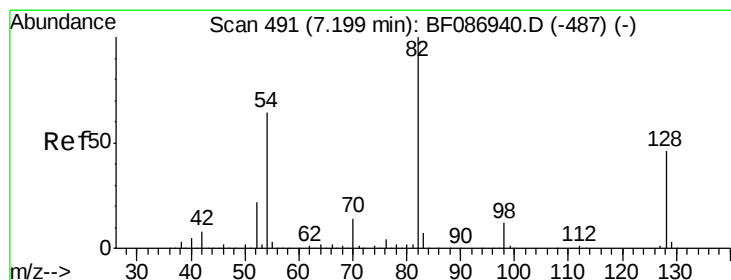
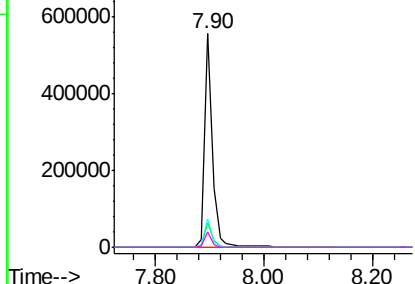
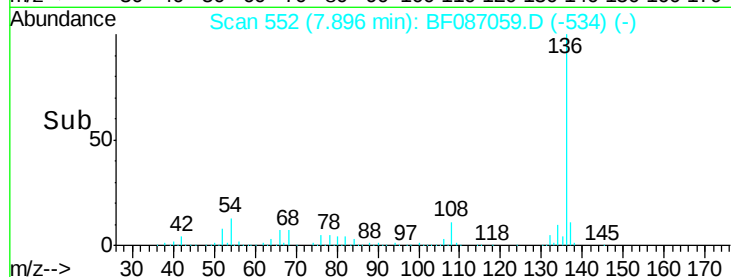
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087059.D
Acq: 15 May 2016 10:09

Instrument :
BNA_F
ClientSampleId :
W-20

Tgt Ion:	136	Resp:	546237
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	13.4	5.0	7.4#
68	7.1	4.4	6.6#

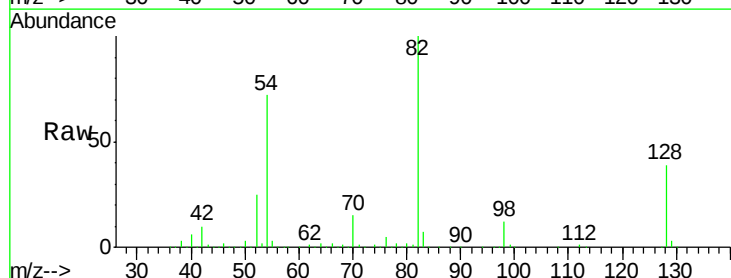


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

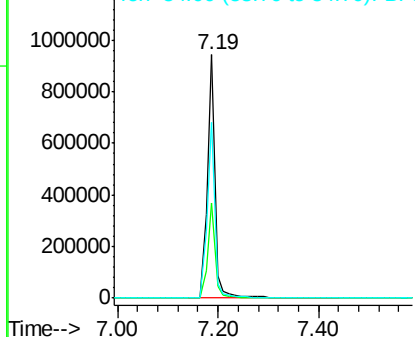
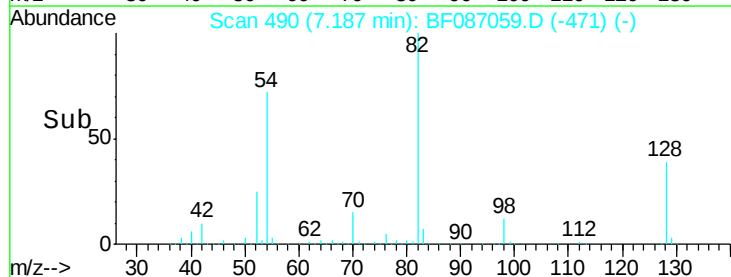


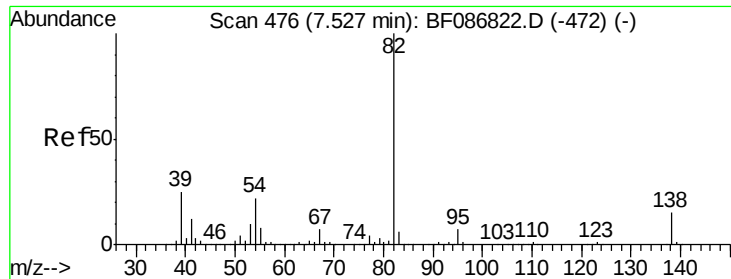
#23
Nitrobenzene-d5
Concen: 92.60 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.08 min
Lab File: BF087059.D
Acq: 15 May 2016 10:09

Tgt Ion:	82	Resp:	1007360
Ion	Ratio	Lower	Upper
82	100		
128	38.8	40.6	61.0#
54	72.0	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: 49.09 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.34 min

Lab File: BF087059.D

Acq: 15 May 2016 10:09

Instrument :

BNA_F

ClientSampleId :

W-20

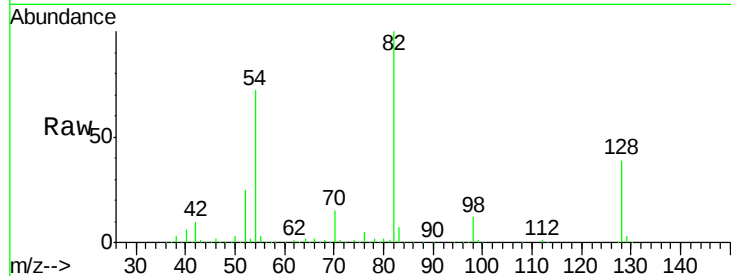
Tgt Ion: 82 Resp: 990825

Ion Ratio Lower Upper

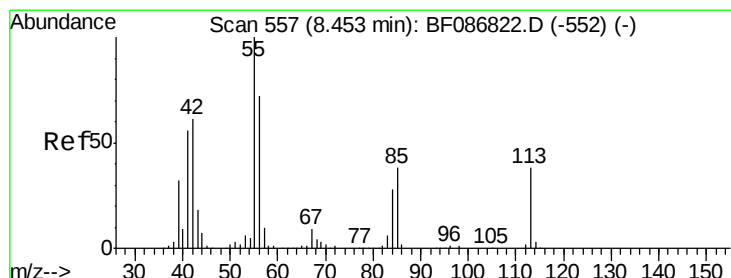
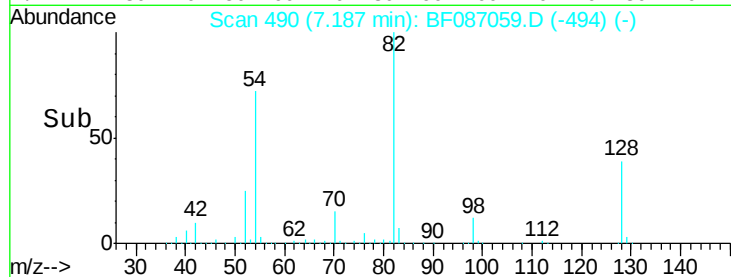
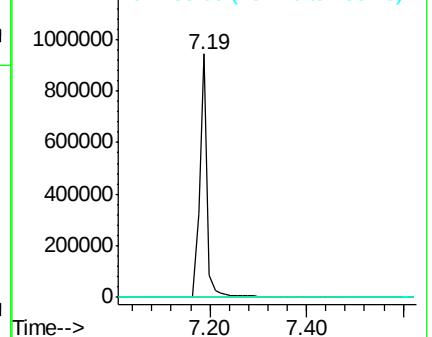
82 100

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: 12.71 ng

RT: 8.33 min Scan# 590

Delta R.T. -0.12 min

Lab File: BF087059.D

Acq: 15 May 2016 10:09

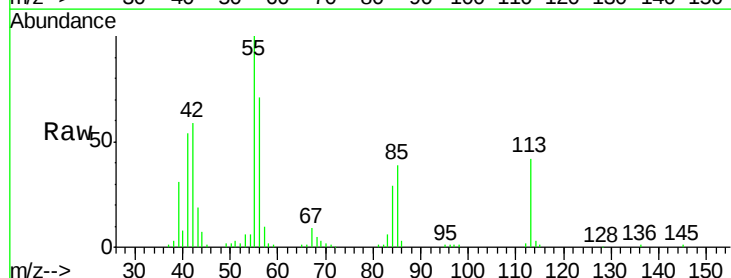
Tgt Ion: 113 Resp: 31882

Ion Ratio Lower Upper

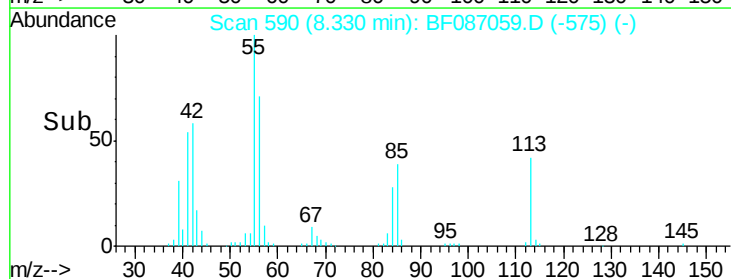
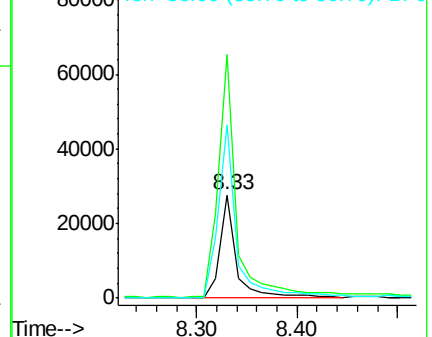
113 100

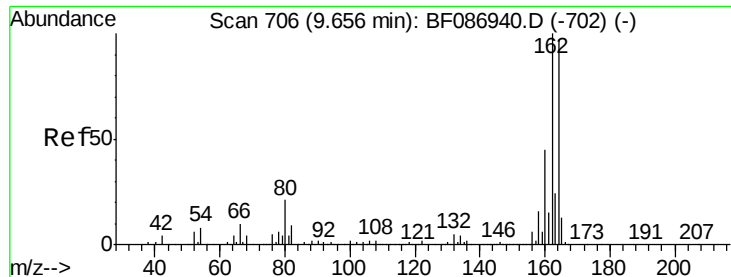
55 235.7 162.0 202.0#

56 168.3 115.3 155.3#



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: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.09 min

Lab File: BF087059.D

Acq: 15 May 2016 10:09

Instrument :

BNA_F

ClientSampleId :

W-20

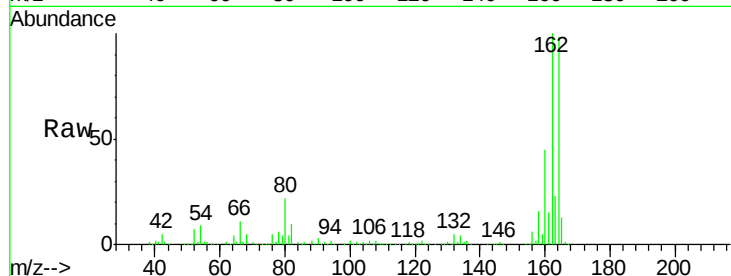
Tgt Ion:164 Resp: 261833

Ion Ratio Lower Upper

164 100

162 102.2 82.8 124.2

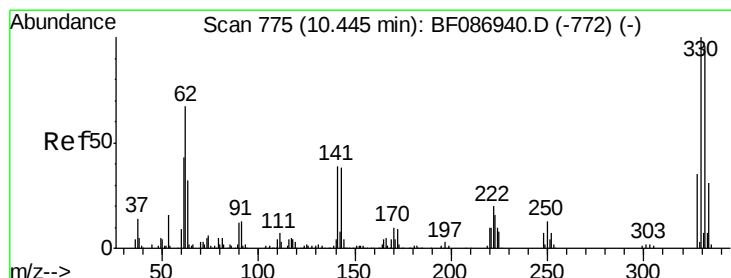
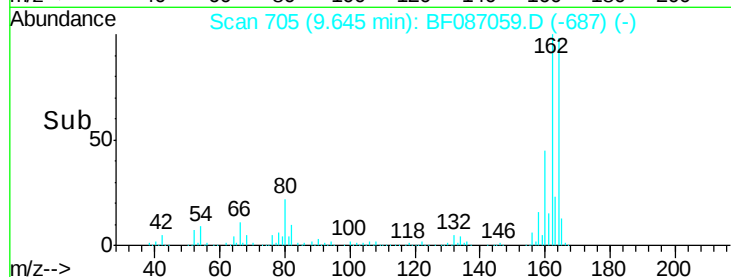
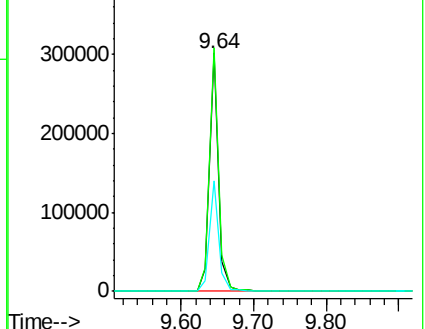
160 46.5 36.9 55.3



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: 126.19 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.08 min

Lab File: BF087059.D

Acq: 15 May 2016 10:09

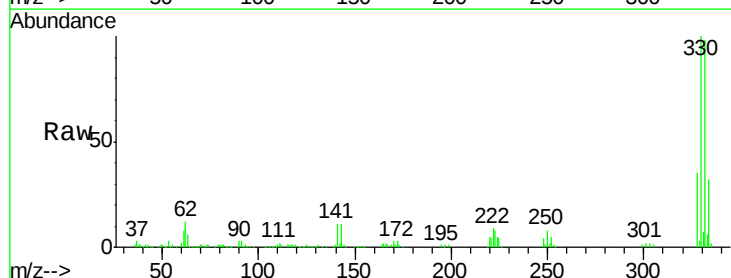
Tgt Ion:330 Resp: 349787

Ion Ratio Lower Upper

330 100

332 96.8 79.0 118.4

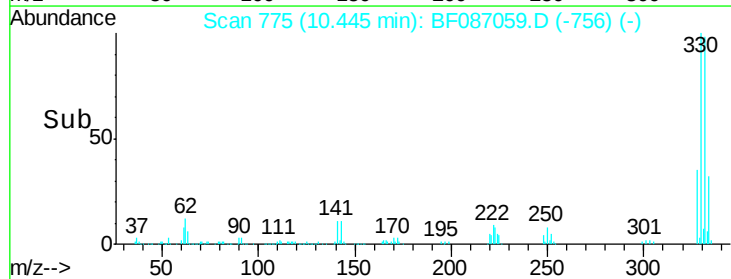
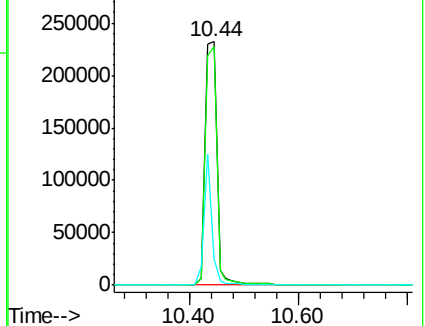
141 35.4 31.2 46.8

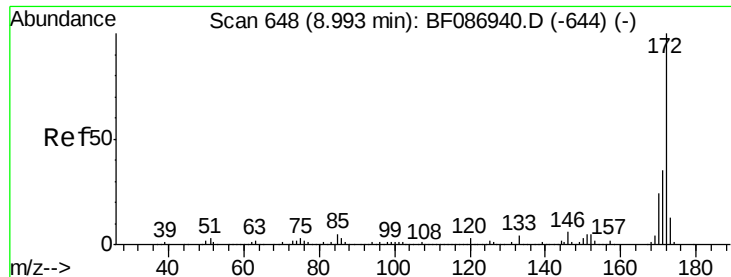


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

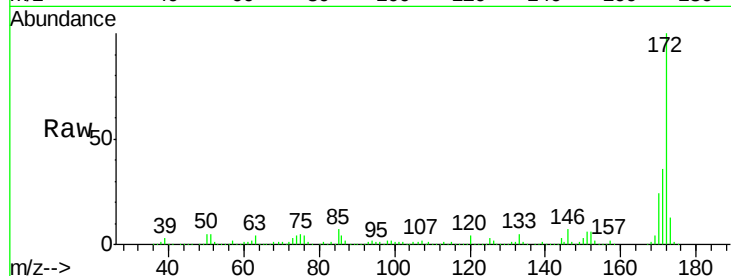




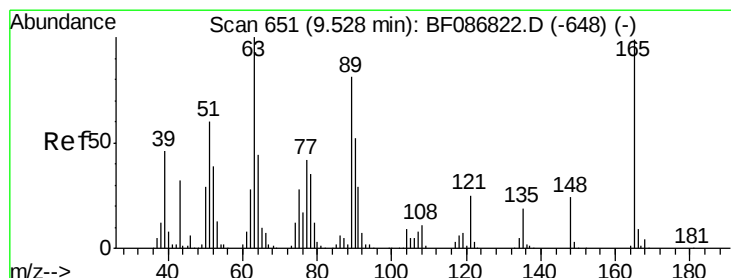
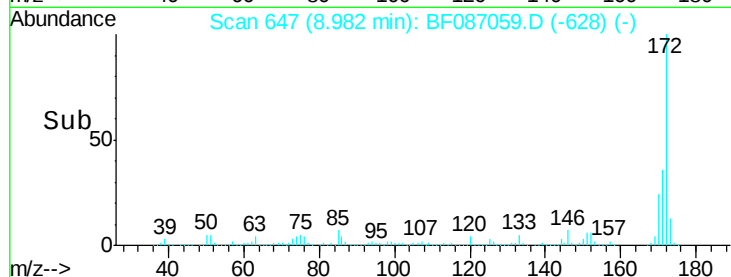
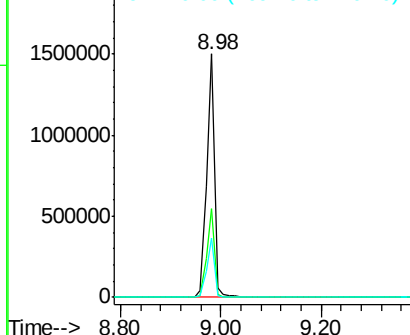
#44
 2-Fluorobiphenyl
 Concen: 103.76 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF087059.D
 Acq: 15 May 2016 10:09

Instrument :
 BNA_F
 ClientSampleId :
 W-20

Tgt Ion:172 Resp: 1616576
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.0 43.6
 170 24.5 19.8 29.8

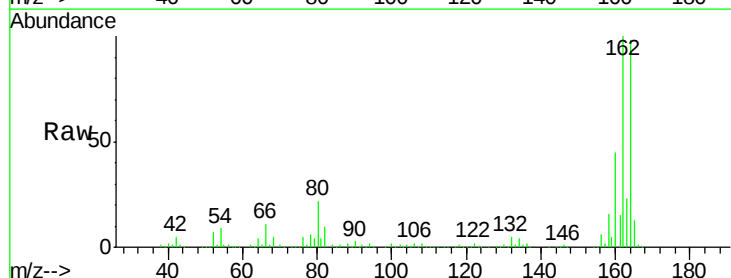


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

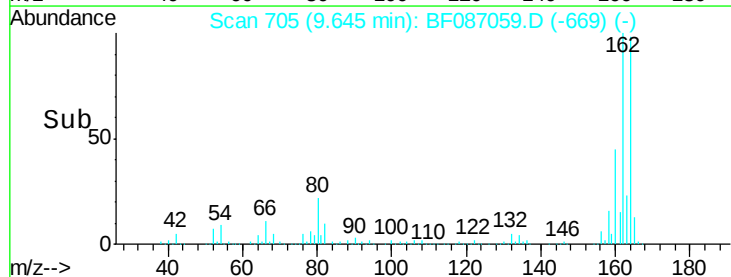
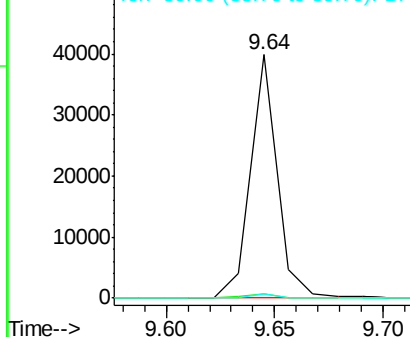


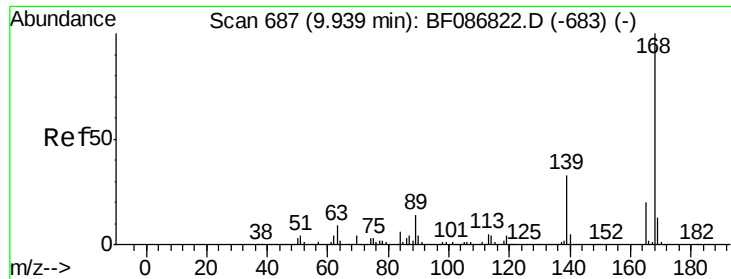
#50
 2,6-Dinitrotoluene
 Concen: 8.11 ng
 RT: 9.64 min Scan# 705
 Delta R.T. 0.12 min
 Lab File: BF087059.D
 Acq: 15 May 2016 10:09

Tgt Ion:165 Resp: 34090
 Ion Ratio Lower Upper
 165 100
 63 1.8 51.8 77.8#
 89 2.0 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

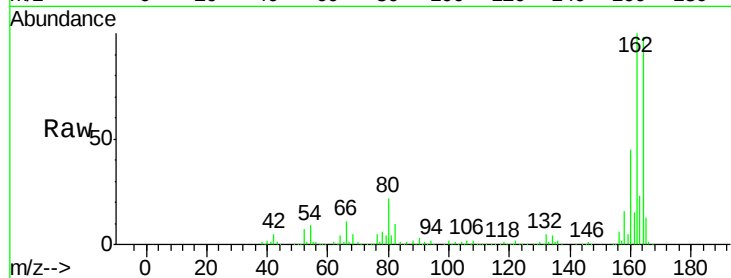




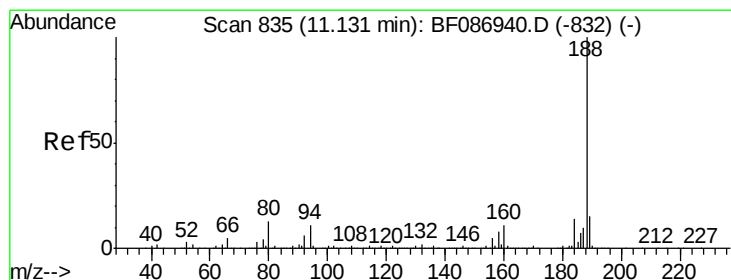
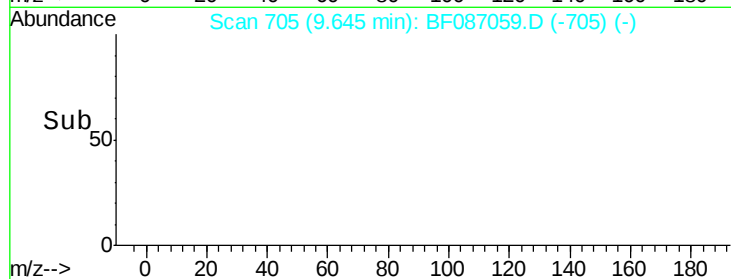
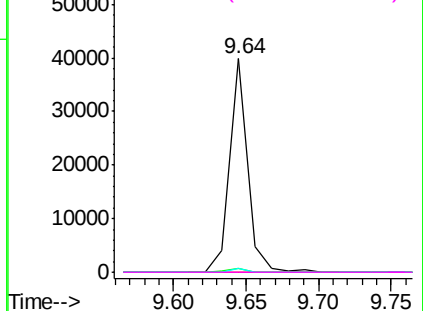
#56
 2,4-Dinitrotoluene
 Concen: 6.60 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.29 min
 Lab File: BF087059.D
 Acq: 15 May 2016 10:09

Instrument :
 BNA_F
 ClientSampleId :
 W-20

Tgt Ion:165 Resp: 34355
 Ion Ratio Lower Upper
 165 100
 63 1.8 44.3 66.5#
 89 2.0 70.0 105.0#
 182 0.0 1.8 2.6#

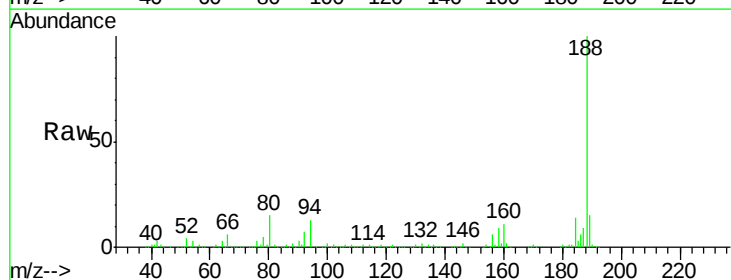


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

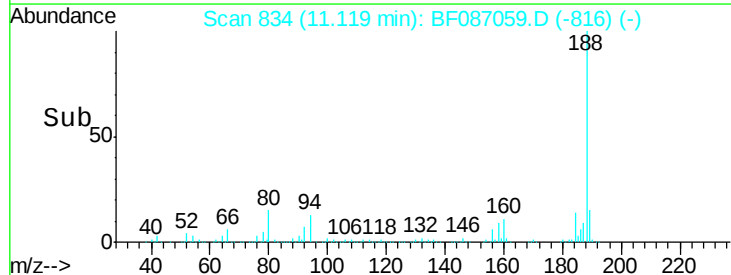
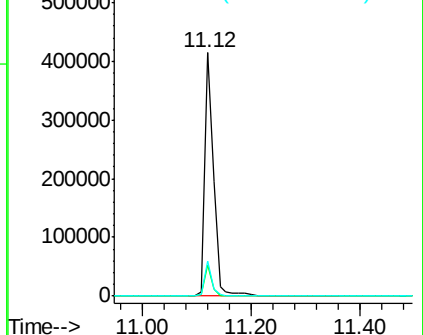


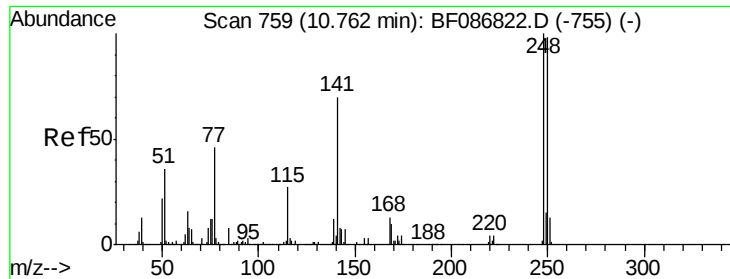
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.12 min Scan# 834
 Delta R.T. -0.09 min
 Lab File: BF087059.D
 Acq: 15 May 2016 10:09

Tgt Ion:188 Resp: 459248
 Ion Ratio Lower Upper
 188 100
 94 13.1 6.8 10.2#
 80 14.6 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

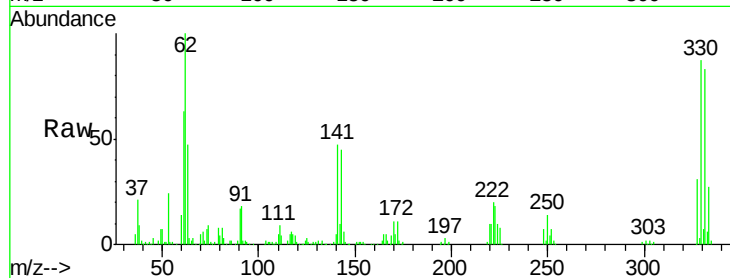




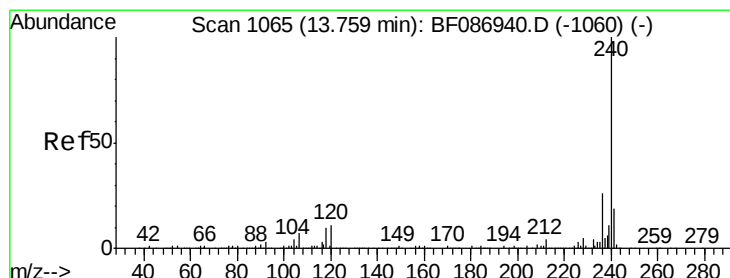
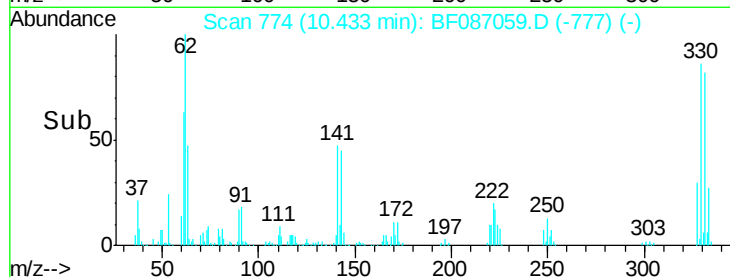
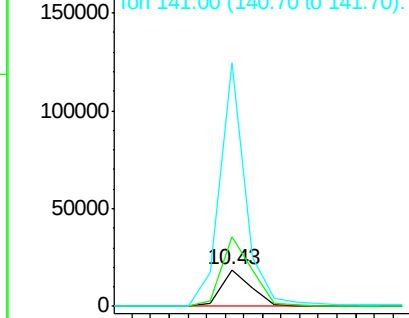
#66
4-Bromophenyl-phenylether
Concen: 4.45 ng
RT: 10.43 min Scan# 774
Delta R.T. -0.33 min
Lab File: BF087059.D
Acq: 15 May 2016 10:09

Instrument :
BNA_F
ClientSampleId :
W-20

Tgt Ion:248 Resp: 20719
Ion Ratio Lower Upper
248 100
250 191.8 78.6 117.8#
141 668.4 76.0 114.0#

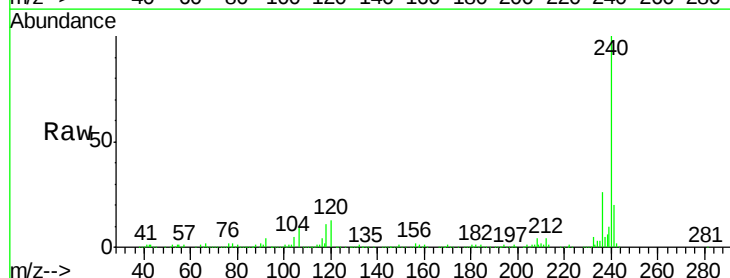


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

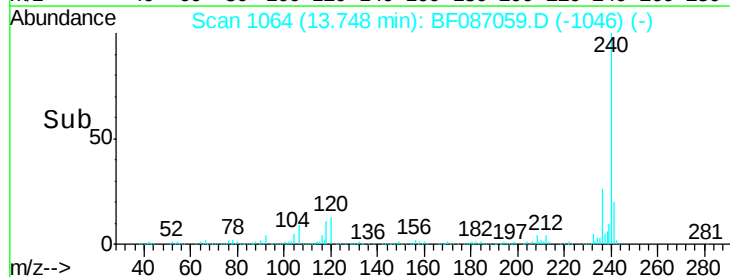
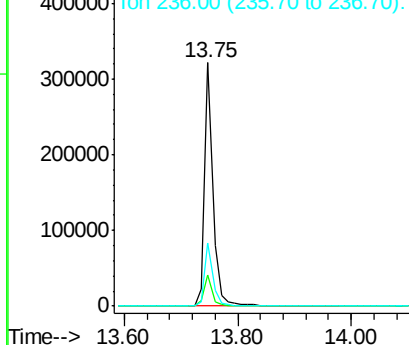


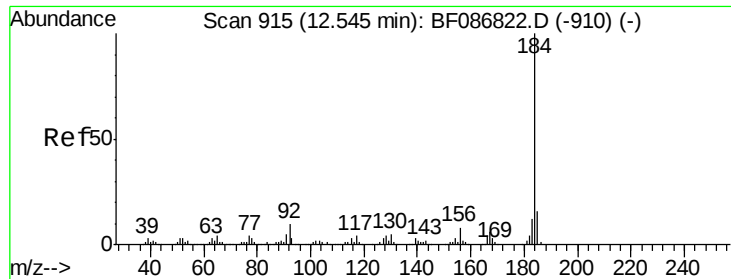
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.09 min
Lab File: BF087059.D
Acq: 15 May 2016 10:09

Tgt Ion:240 Resp: 317473
Ion Ratio Lower Upper
240 100
120 12.9 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





#76

Benzidine

Concen: 2.35 ng

RT: 12.71 min Scan# 973

Delta R.T. 0.16 min

Lab File: BF087059.D

Acq: 15 May 2016 10:09

Instrument :

BNA_F

ClientSampled :

W-20

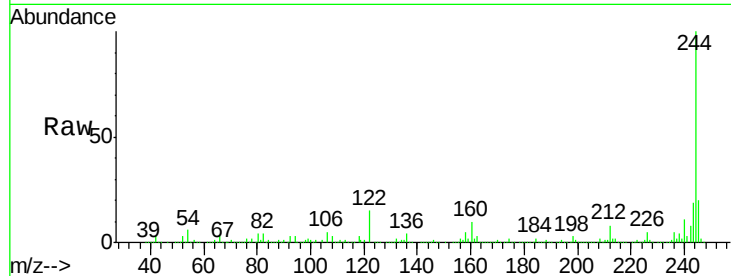
Tgt Ion:184 Resp: 19004

Ion Ratio Lower Upper

184 100

185 17.3 13.6 20.4

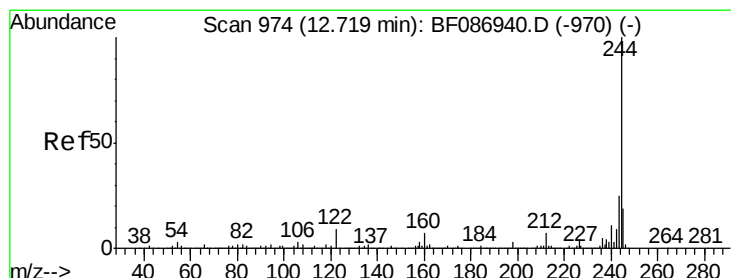
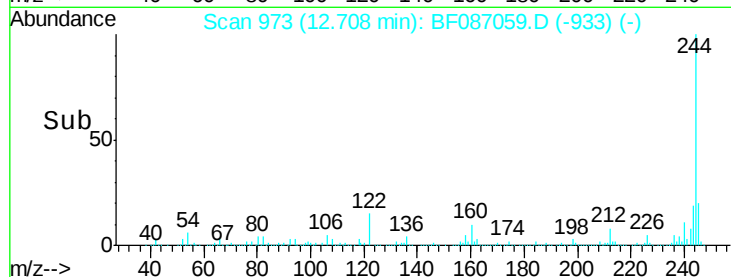
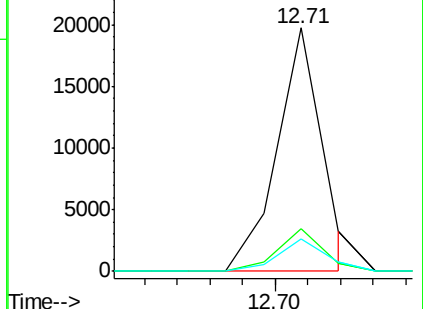
183 13.3 9.8 14.6



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: 81.41 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.09 min

Lab File: BF087059.D

Acq: 15 May 2016 10:09

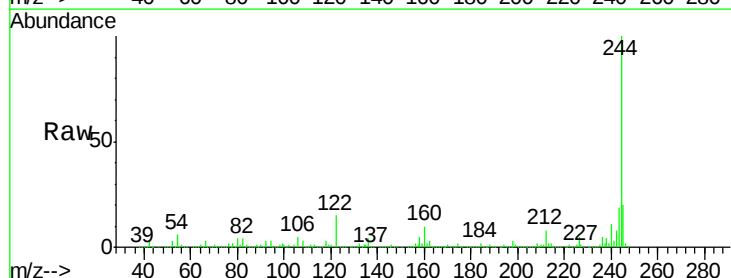
Tgt Ion:244 Resp: 1218148

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

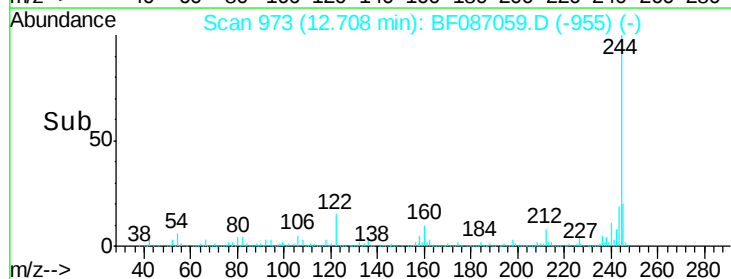
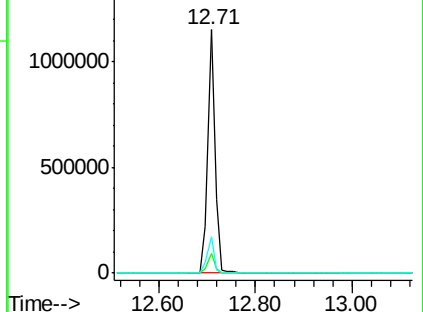
122 14.7 12.0 18.0

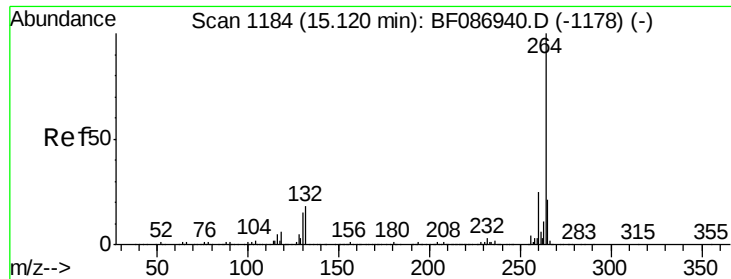


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF087059.D
Acq: 15 May 2016 10:09

Instrument :
BNA_F
ClientSampleId :
W-20

Tgt Ion: 264 Resp: 301941
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 21.9 17.3 25.9

