

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042716\
 Data File : BF086432.D
 Acq On : 27 Apr 2016 19:06
 Operator : UM/SJ
 Sample : H2660-02 25X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DPA2-PRE-B10

Quant Time: Apr 28 00:56:36 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

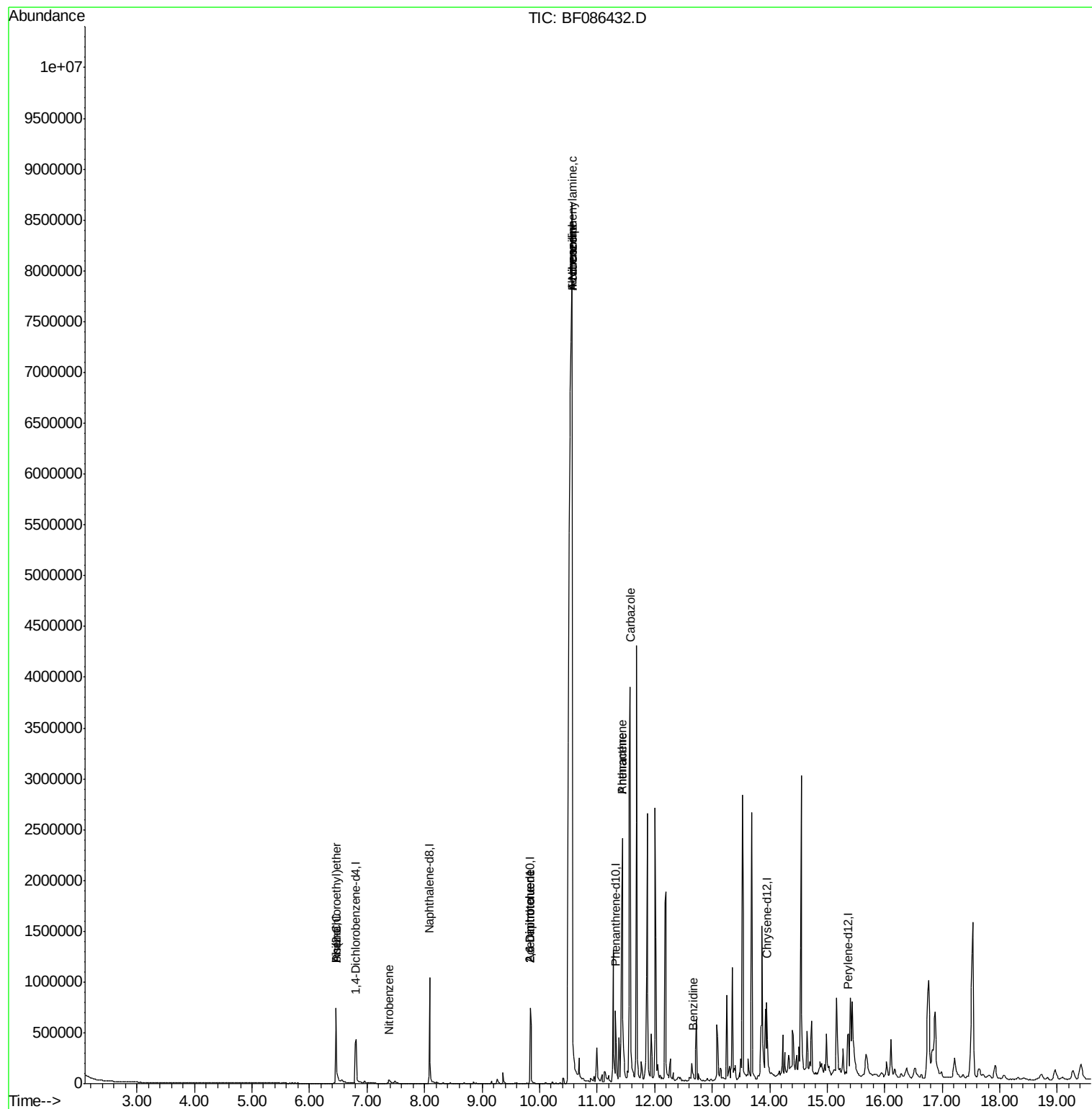
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	102532	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	478685	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	199896	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	318846	20.00	ng	0.00
75) Chrysene-d12	13.95	240	242664	20.00	ng	-0.01
86) Perylene-d12	15.37	264	257150	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	3467	0.58	ng	0.00
7) Phenol-d6	6.43	99	7073	0.85	ng	-0.01
23) Nitrobenzene-d5	7.37	82	4520	0.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	1173	0.56	ng	0.02
44) 2-Fluorobiphenyl	9.16	172	11526	-1.00	ng	-0.01
78) Terphenyl-d14	12.91	244	7068	0.64	ng	0.00
Target Compounds						
6) Aniline	6.46	93	426607	42.49	ng	# 84
10) Phenol	6.46	94	26934	2.91	ng	# 1
11) bis(2-Chloroethyl)ether	6.46	93	435310	54.40	ng	# 24
24) Nitrobenzene	7.38	77	24773	2.71	ng	90
50) 2,6-Dinitrotoluene	9.84	165	24530	7.89	ng	# 20
56) 2,4-Dinitrotoluene	9.84	165	24531	6.19	ng	# 16
57) Fluorene	10.57	166	511218	36.93	ng	# 1
61) 4-Nitroaniline	10.57	138	20514	5.94	ng	# 1
62) Azobenzene	10.57	77	1069914	68.57	ng	# 1
65) n-Nitrosodiphenylamine	10.57	169	8542501	857.25	ng	97
70) Phenanthrene	11.44	178	228366	13.65	ng	# 1
71) Anthracene	11.44	178	228366	12.79	ng	# 1
72) Carbazole	11.57	167	2333173	147.42	ng	98
76) Benzdine	12.67	184	53687	6.44	ng	# 88

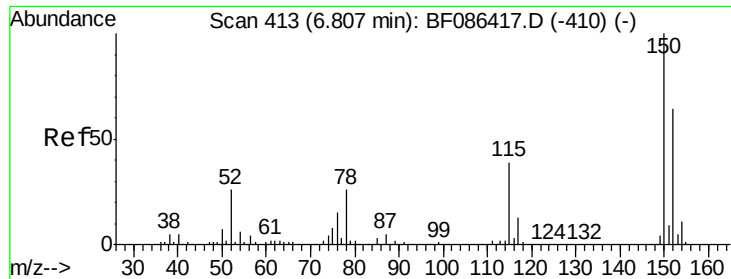
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. 0.00 min

Lab File: BF086432.D

Acq: 27 Apr 2016 19:06

Instrument :

BNA_F

ClientSampleId :

DPA2-PRE-B10

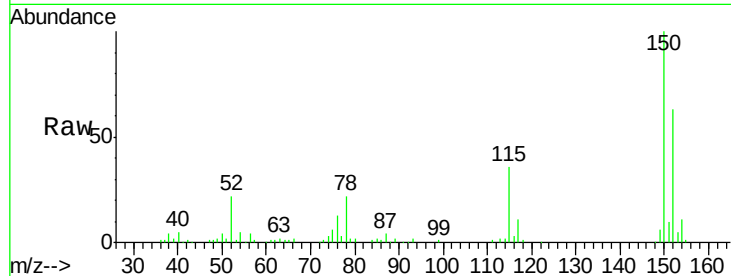
Tgt Ion:152 Resp: 102532

Ion Ratio Lower Upper

152 100

150 157.6 125.8 188.6

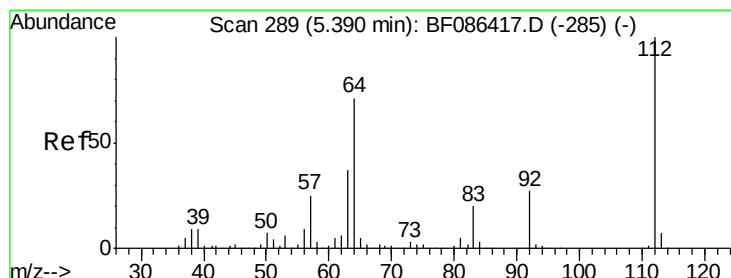
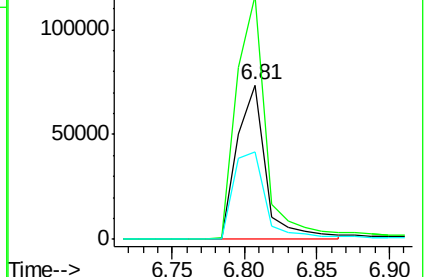
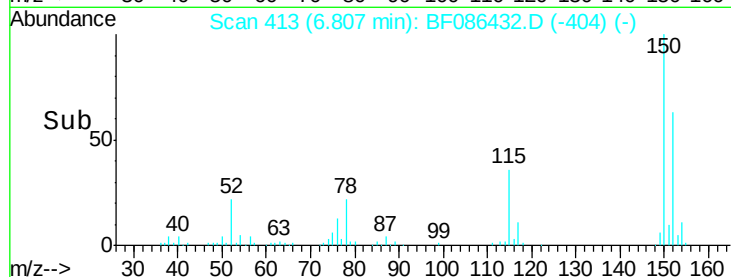
115 56.3 51.5 77.3



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: 0.58 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.00 min

Lab File: BF086432.D

Acq: 27 Apr 2016 19:06

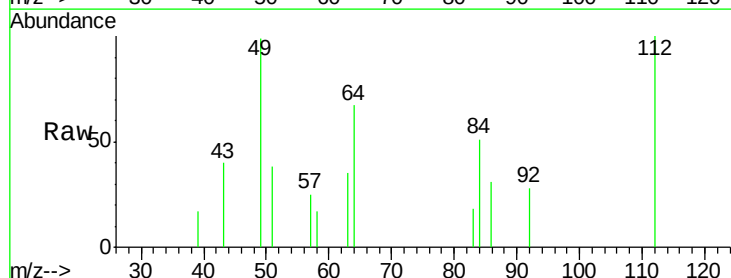
Tgt Ion:112 Resp: 3467

Ion Ratio Lower Upper

112 100

64 66.7 52.1 78.1

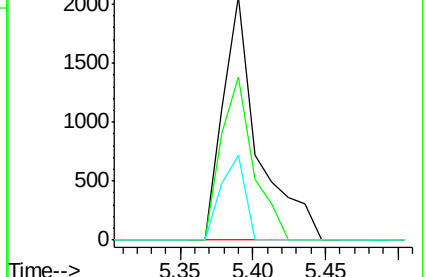
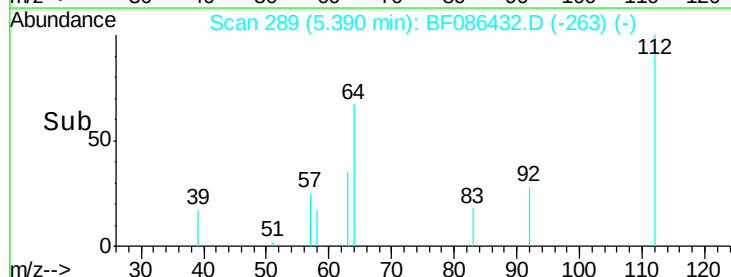
63 35.0 25.7 38.5

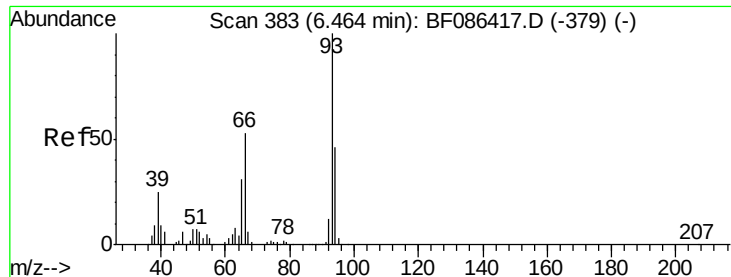


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 42.49 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.00 min

Lab File: BF086432.D

Acq: 27 Apr 2016 19:06

Instrument :

BNA_F

ClientSampleId :

DPA2-PRE-B10

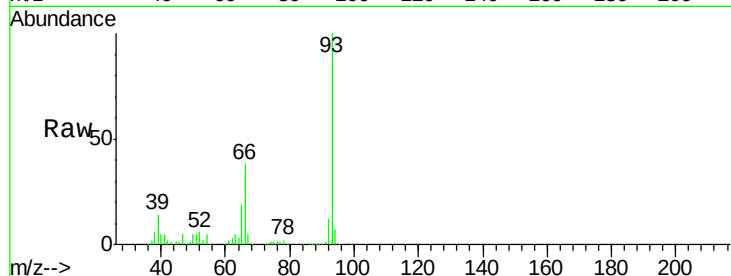
Tgt Ion: 93 Resp: 426607

Ion Ratio Lower Upper

93 100

66 37.5 39.0 58.6#

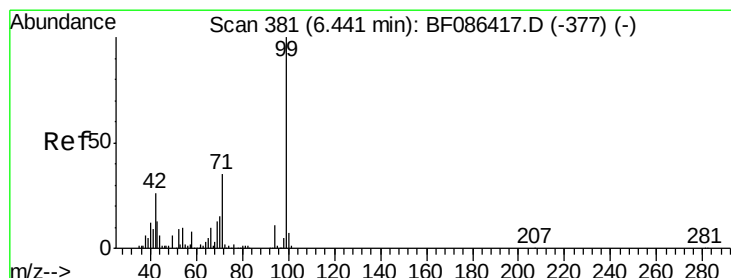
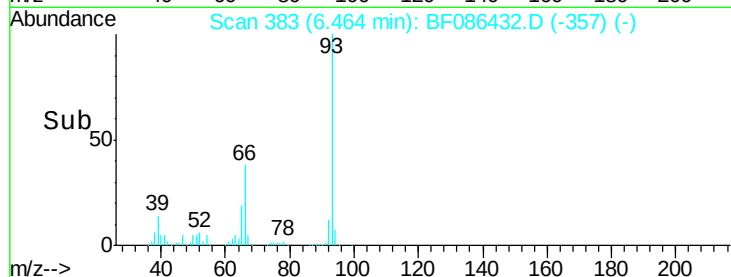
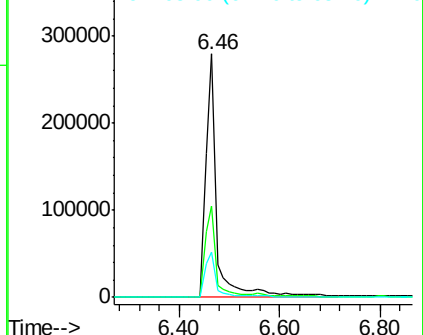
65 18.6 20.6 31.0#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 0.85 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF086432.D

Acq: 27 Apr 2016 19:06

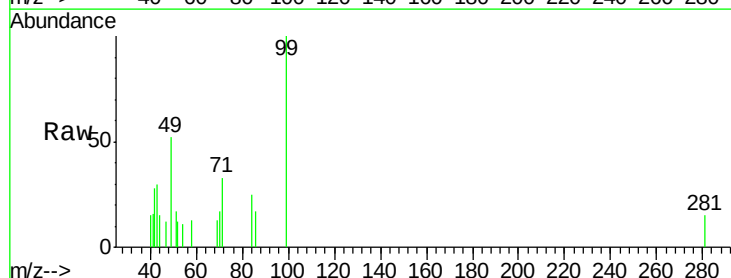
Tgt Ion: 99 Resp: 7073

Ion Ratio Lower Upper

99 100

42 27.7 13.6 20.4#

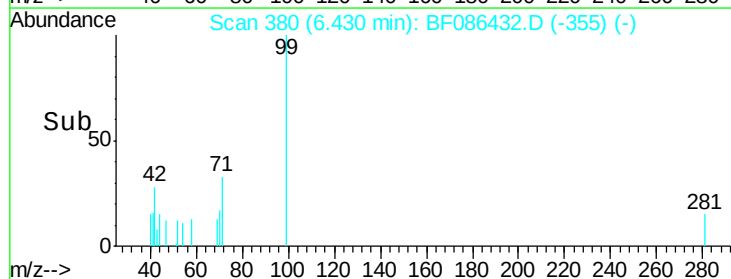
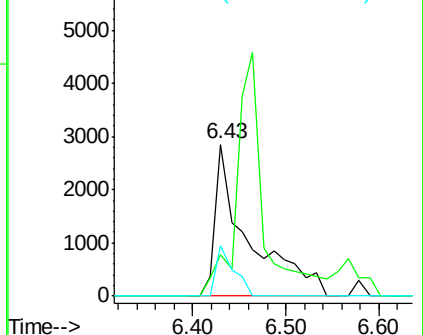
71 33.0 24.6 36.8

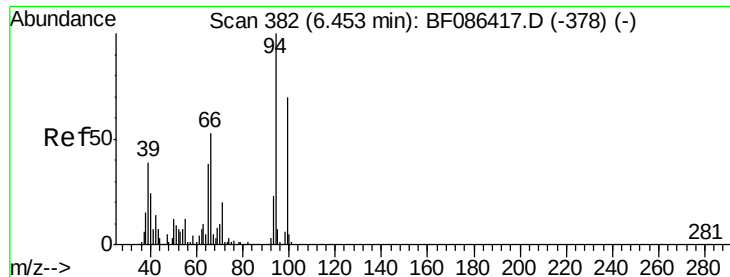


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#10

Phenol

Concen: 2.91 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.01 min

Lab File: BF086432.D

Acq: 27 Apr 2016 19:06

Instrument :

BNA_F

ClientSampleId :

DPA2-PRE-B10

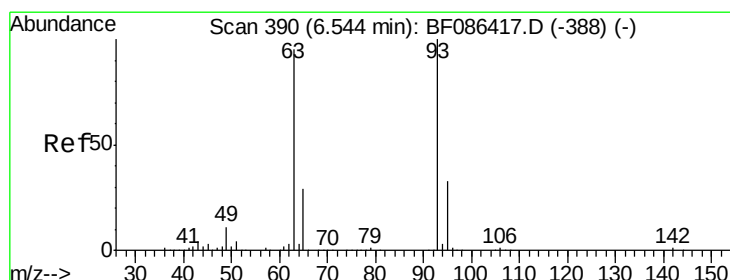
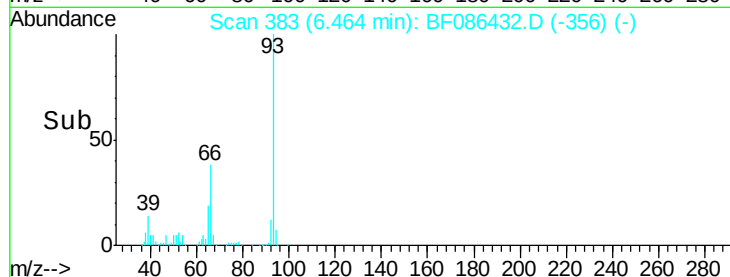
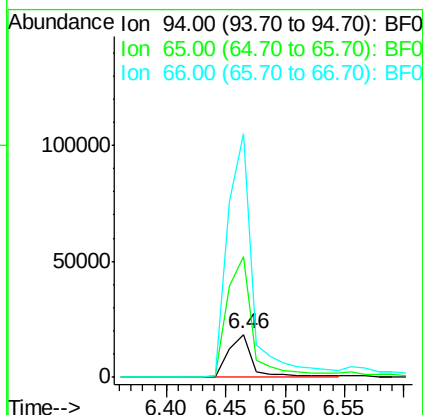
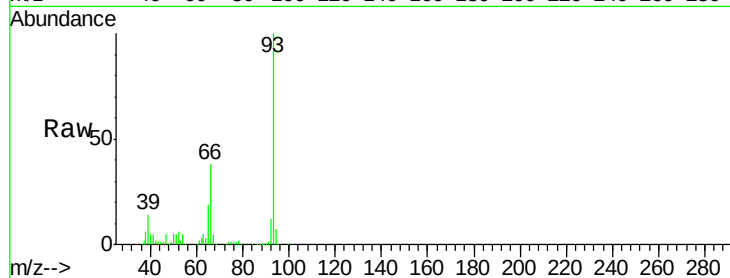
Tgt Ion: 94 Resp: 26934

Ion Ratio Lower Upper

94 100

65 279.2 7.2 47.2#

66 563.4 14.9 54.9#



#11

bis(2-Chloroethyl)ether

Concen: 54.40 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.08 min

Lab File: BF086432.D

Acq: 27 Apr 2016 19:06

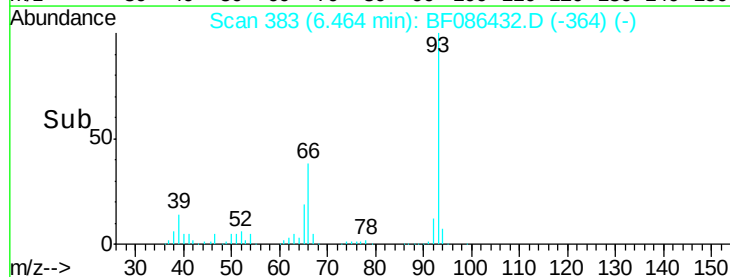
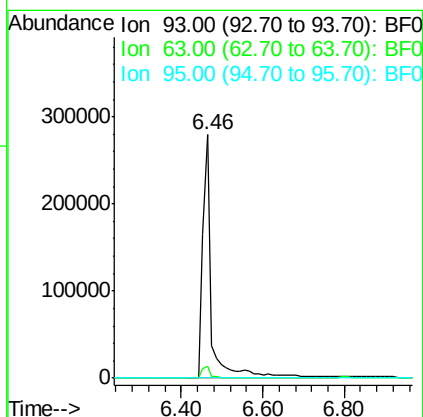
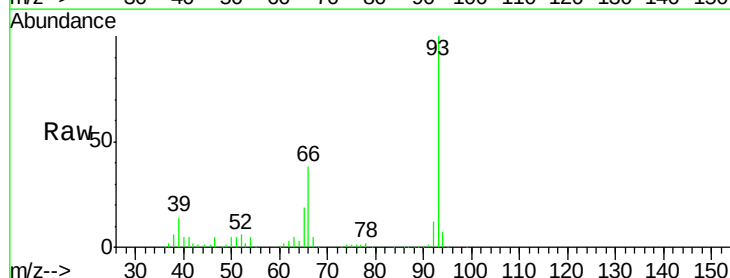
Tgt Ion: 93 Resp: 435310

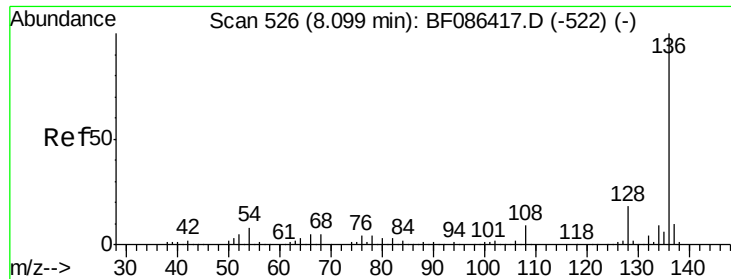
Ion Ratio Lower Upper

93 100

63 5.2 58.0 98.0#

95 0.2 11.9 51.9#

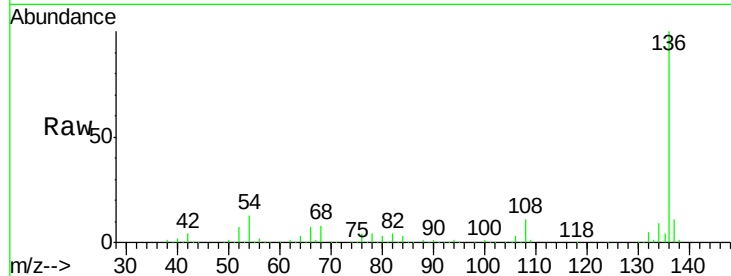




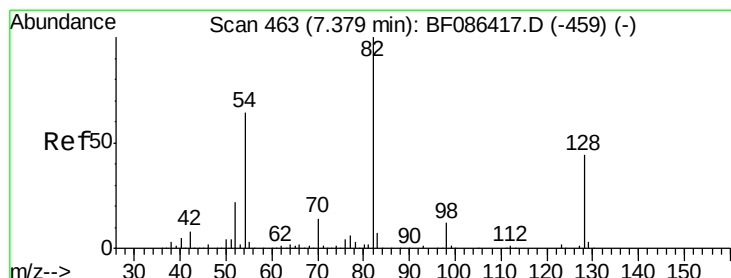
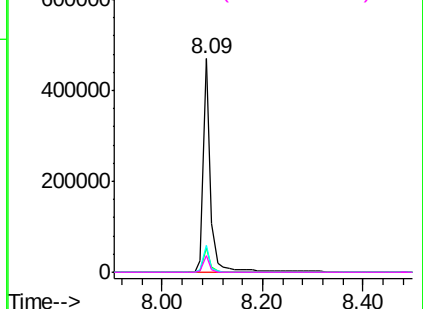
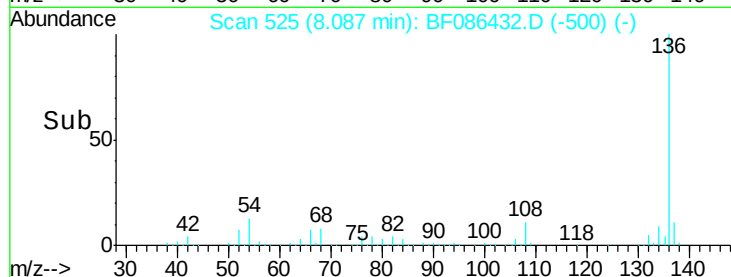
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.01 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
DPA2-PRE-B10

Tgt Ion:	136	Resp:	478685
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	12.8	5.0	7.4#
68	7.7	4.4	6.6#

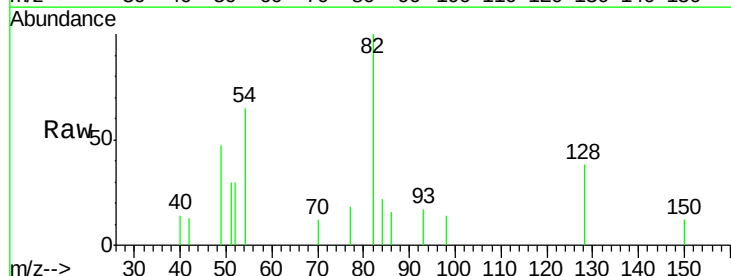


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

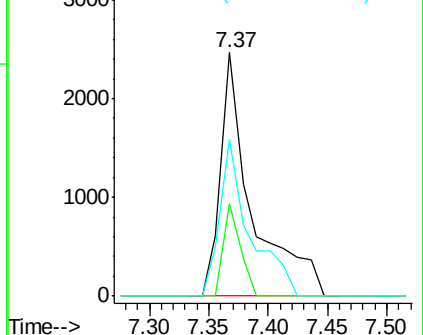
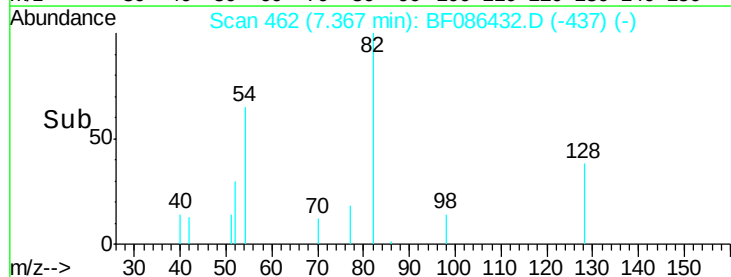


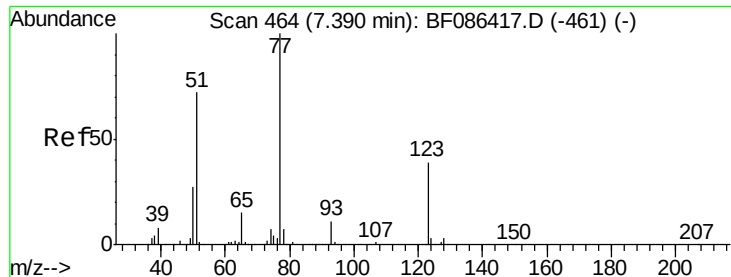
#23
Nitrobenzene-d5
Concen: 0.51 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.01 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Tgt Ion:	82	Resp:	4520
Ion	Ratio	Lower	Upper
82	100		
128	38.2	40.6	61.0#
54	64.5	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





#24

Nitrobenzene

Concen: 2.71 ng

RT: 7.38 min Scan# 463

Delta R.T. -0.01 min

Lab File: BF086432.D

Acq: 27 Apr 2016 19:06

Instrument :

BNA_F

ClientSampleId :

DPA2-PRE-B10

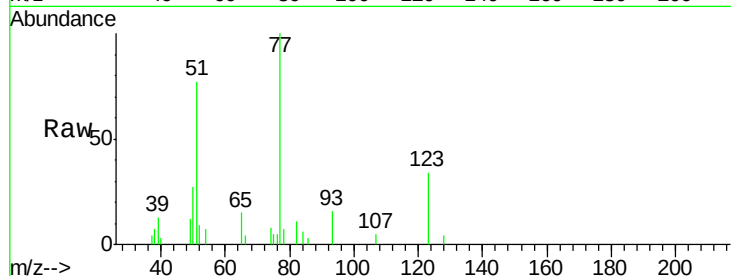
Tgt Ion: 77 Resp: 24773

Ion Ratio Lower Upper

77 100

123 33.5 33.0 49.4

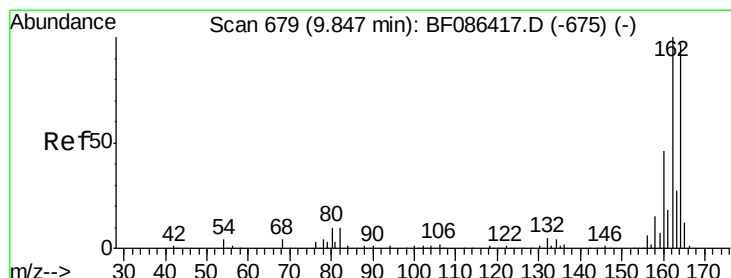
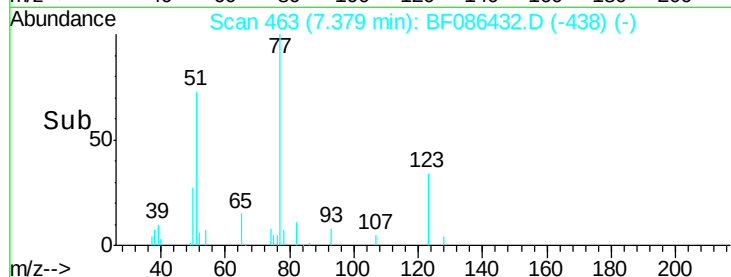
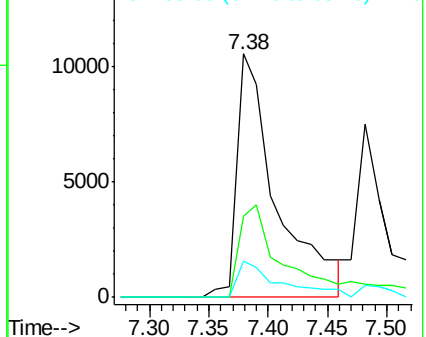
65 14.8 10.8 16.2



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF086432.D

Acq: 27 Apr 2016 19:06

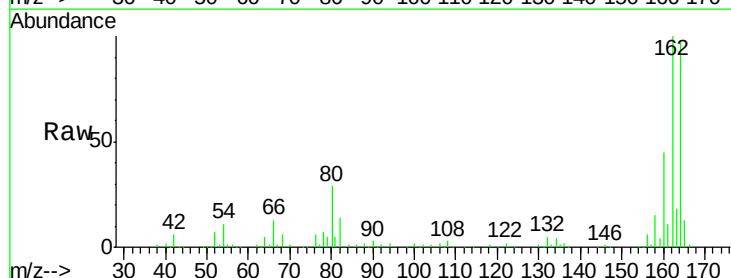
Tgt Ion: 164 Resp: 199896

Ion Ratio Lower Upper

164 100

162 102.9 82.8 124.2

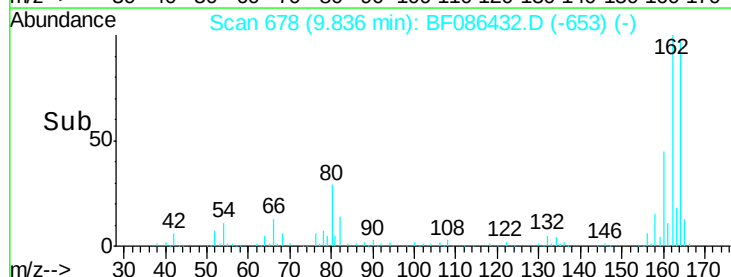
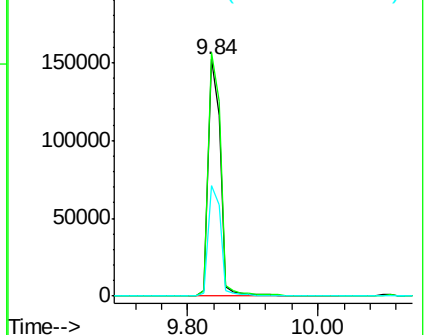
160 46.8 36.9 55.3

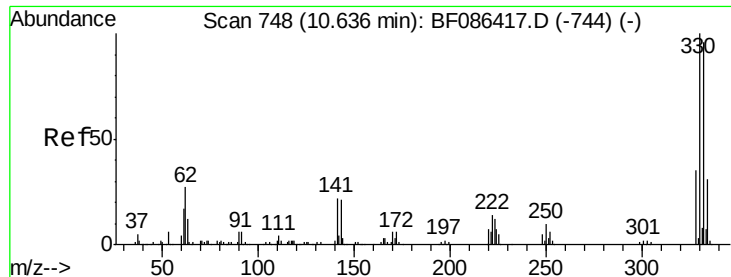


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

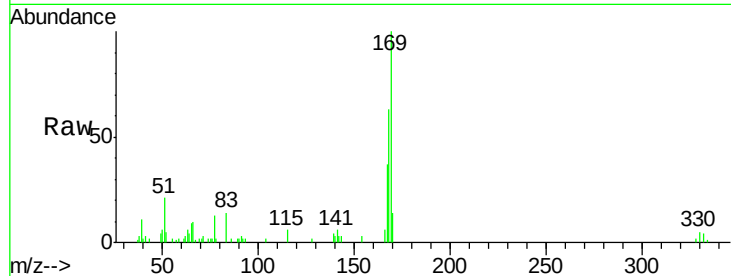




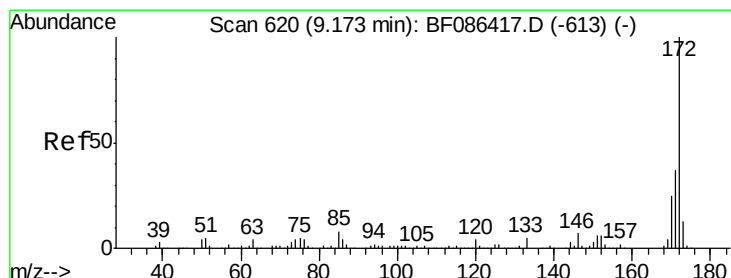
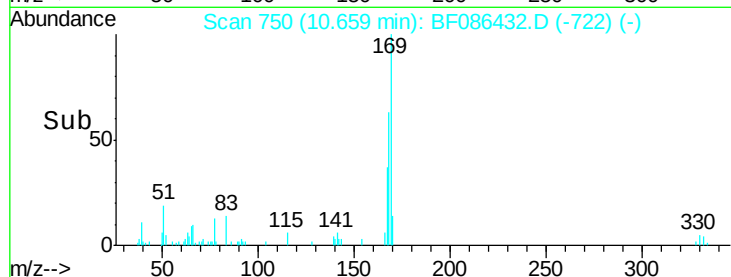
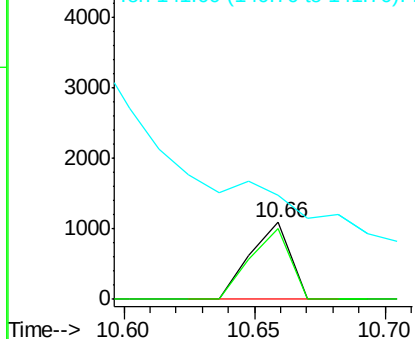
#41
 2,4,6-Tribromophenol
 Concen: 0.56 ng
 RT: 10.66 min Scan# 750
 Delta R.T. 0.02 min
 Lab File: BF086432.D
 Acq: 27 Apr 2016 19:06

Instrument :
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 DPA2-PRE-B10

Tgt Ion:330 Resp: 1173
 Ion Ratio Lower Upper
 330 100
 332 91.3 79.0 118.4
 141 0.0 31.2 46.8#

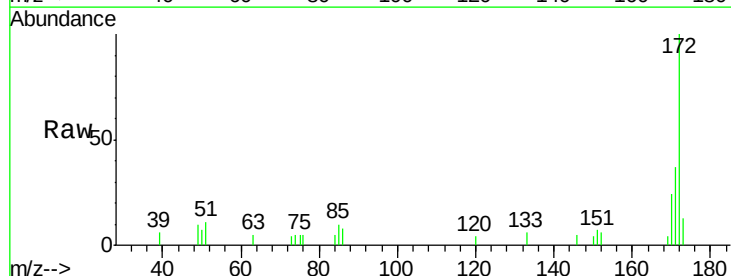


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

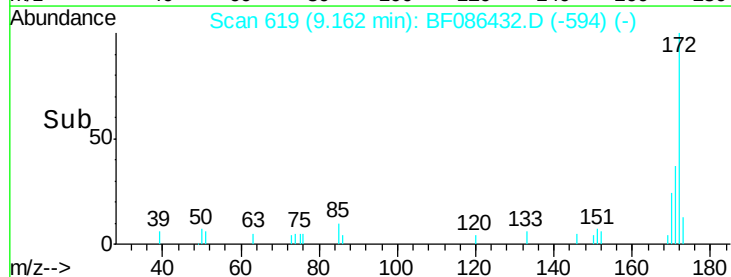
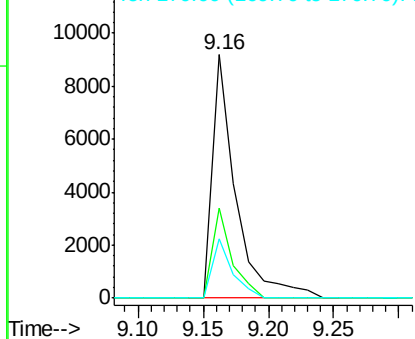


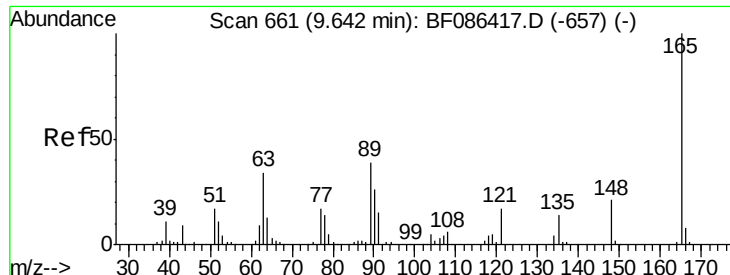
#44
 2-Fluorobiphenyl
 Concen: -1.00 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: BF086432.D
 Acq: 27 Apr 2016 19:06

Tgt Ion:172 Resp: 11526
 Ion Ratio Lower Upper
 172 100
 171 36.9 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

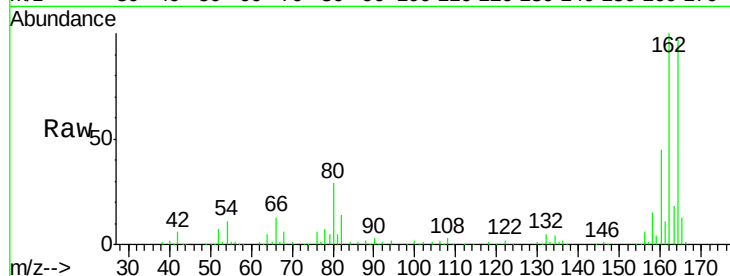




#50
 2,6-Dinitrotoluene
 Concen: 7.89 ng
 RT: 9.84 min Scan# 678
 Delta R.T. 0.19 min
 Lab File: BF086432.D
 Acq: 27 Apr 2016 19:06

Instrument :
 BNA_F
 ClientSampleId :
 DPA2-PRE-B10

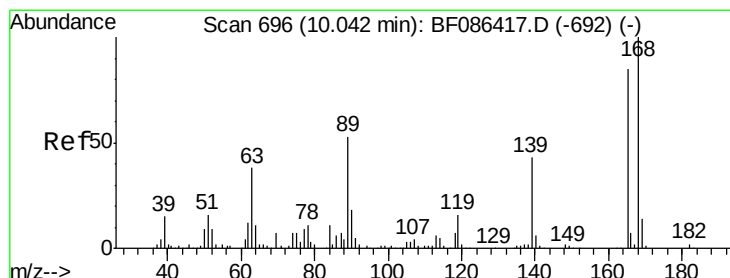
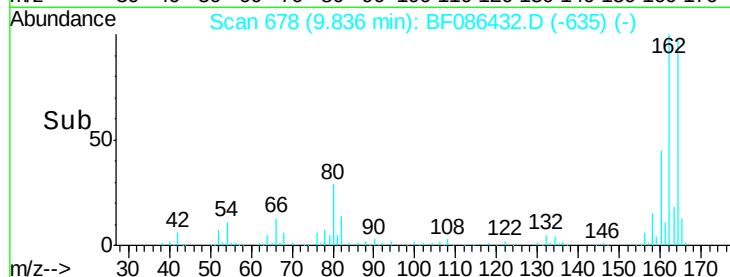
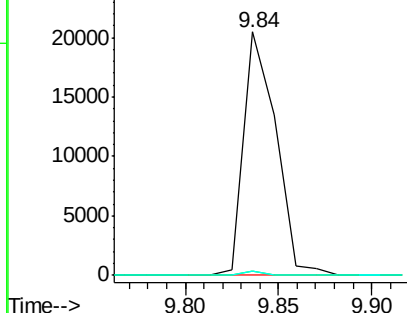
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	51.8	77.8#
89	1.5	50.7	76.1#



Abundance Ion 165.00 (164.70 to 165.70): E

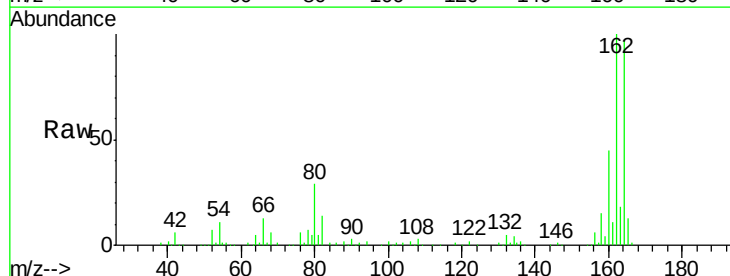
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.19 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.21 min
 Lab File: BF086432.D
 Acq: 27 Apr 2016 19:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.3	66.5#
89	1.5	70.0	105.0#
182	0.0	1.8	2.6#

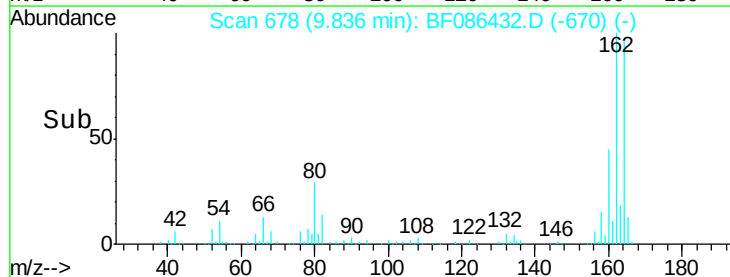
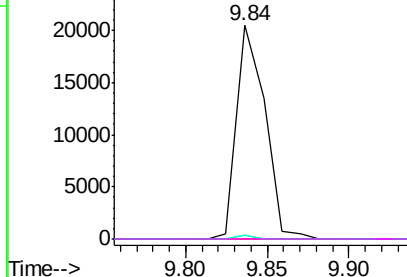


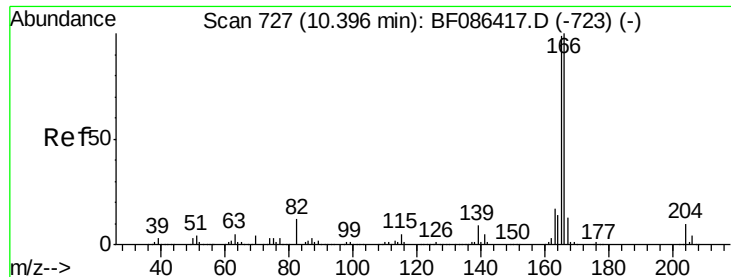
Abundance Ion 165.00 (164.70 to 165.70): E

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

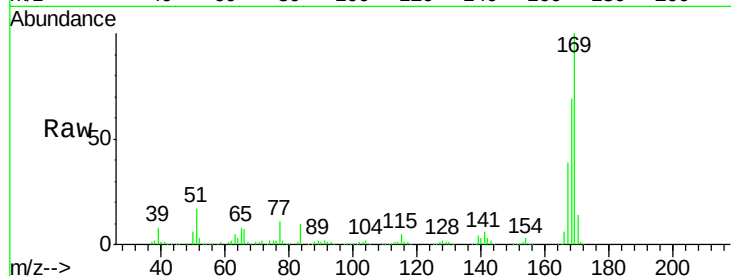




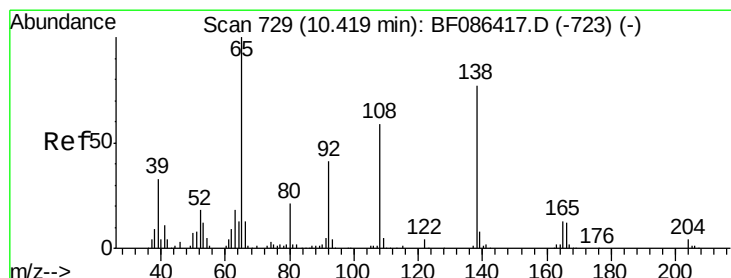
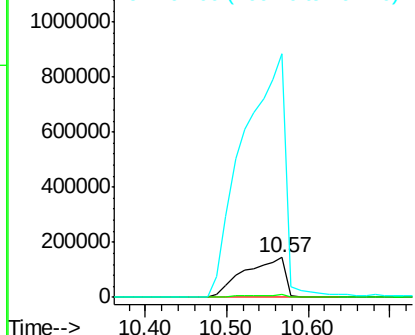
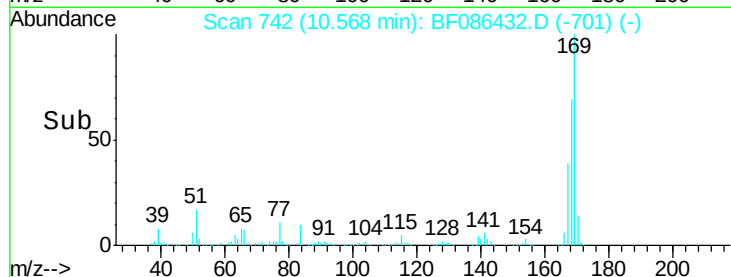
#57
 Fluorene
 Concen: 36.93 ng
 RT: 10.57 min Scan# 742
 Delta R.T. 0.17 min
 Lab File: BF086432.D
 Acq: 27 Apr 2016 19:06

Instrument :
 BNA_F
 ClientSampleId :
 DPA2-PRE-B10

Tgt Ion:166 Resp: 511218
 Ion Ratio Lower Upper
 166 100
 165 6.3 79.0 118.6#
 167 609.6 10.6 15.8#

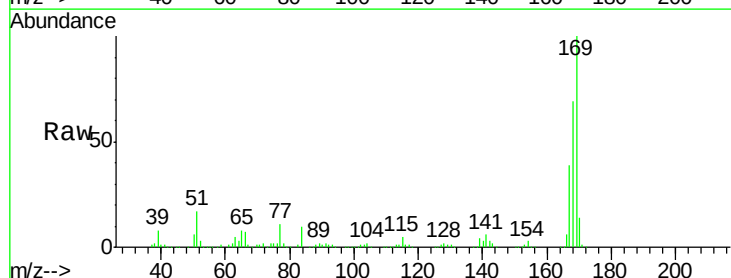


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

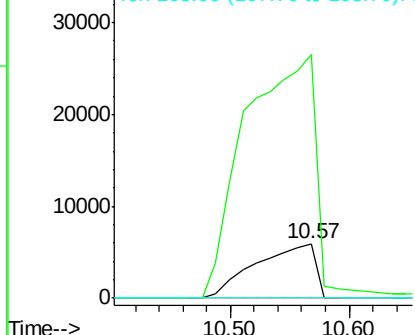
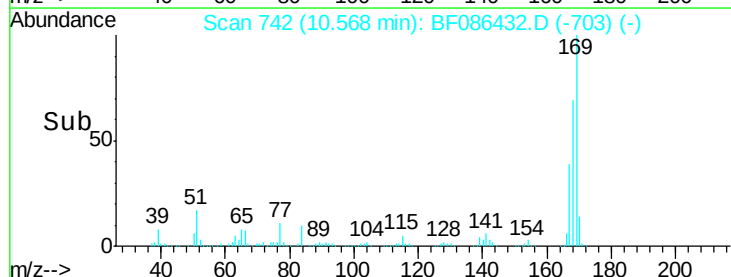


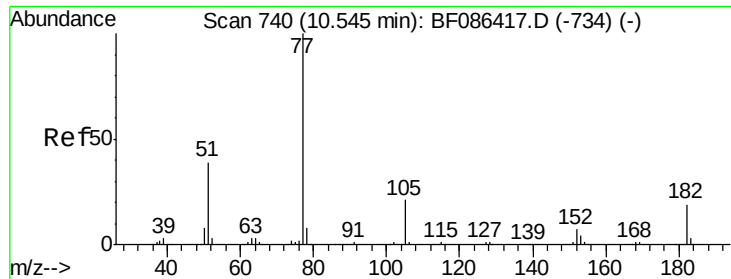
#61
 4-Nitroaniline
 Concen: 5.94 ng
 RT: 10.57 min Scan# 742
 Delta R.T. 0.15 min
 Lab File: BF086432.D
 Acq: 27 Apr 2016 19:06

Tgt Ion:138 Resp: 20514
 Ion Ratio Lower Upper
 138 100
 92 445.9 24.7 64.7#
 108 0.0 37.4 77.4#



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 68.57 ng

RT: 10.57 min Scan# 742

Delta R.T. 0.02 min

Lab File: BF086432.D

Acq: 27 Apr 2016 19:06

Instrument :

BNA_F

ClientSampleId :

DPA2-PRE-B10

Tgt Ion: 77 Resp: 1069914

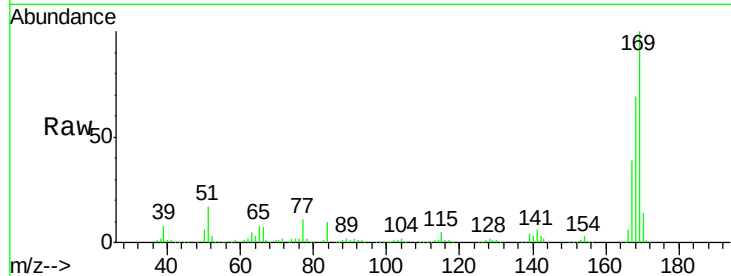
Ion Ratio Lower Upper

77 100

182 0.0 0.0 38.8

105 1.1 3.2 43.2#

51 150.2 8.8 48.8#

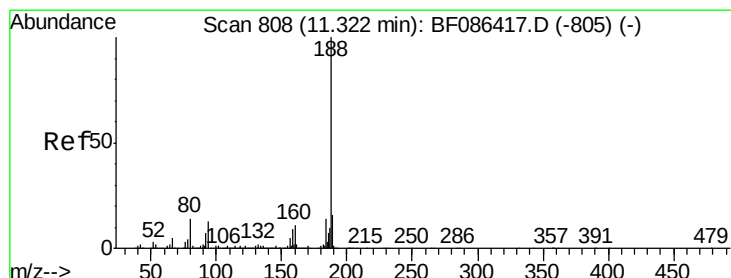
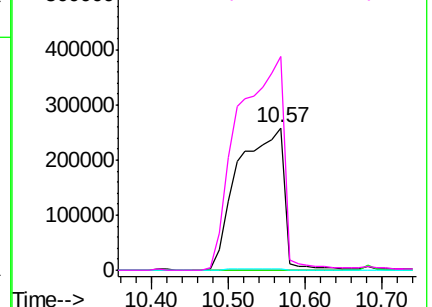
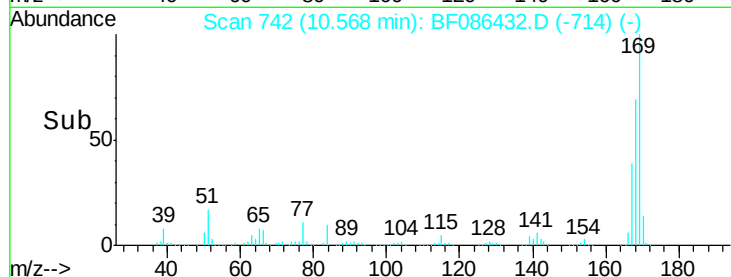


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF086432.D

Acq: 27 Apr 2016 19:06

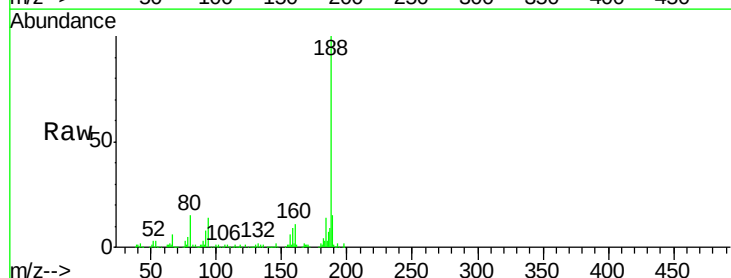
Tgt Ion: 188 Resp: 318846

Ion Ratio Lower Upper

188 100

94 14.1 6.8 10.2#

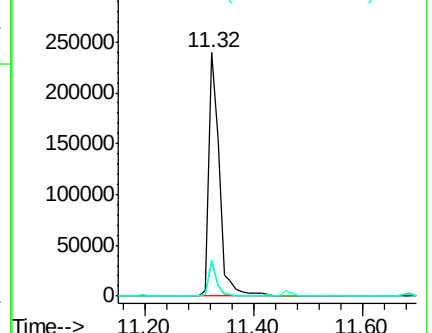
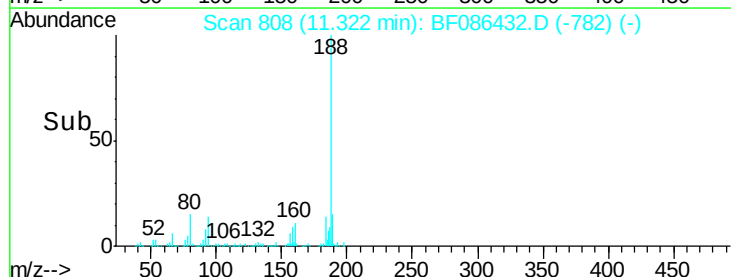
80 15.0 7.1 10.7#

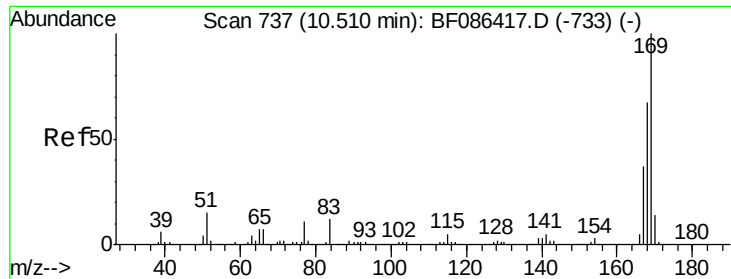


Abundance Ion 188.00 (187.70 to 188.70): BF0

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 857.25 ng

RT: 10.57 min Scan# 742

Delta R.T. 0.06 min

Lab File: BF086432.D

Acq: 27 Apr 2016 19:06

Instrument :

BNA_F

ClientSampleId :

DPA2-PRE-B10

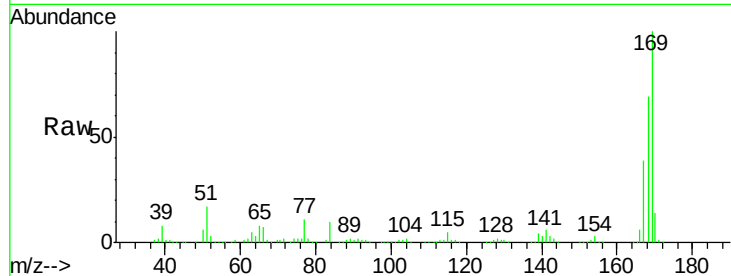
Tgt Ion:169 Resp: 8542501

Ion Ratio Lower Upper

169 100

168 69.2 53.8 80.6

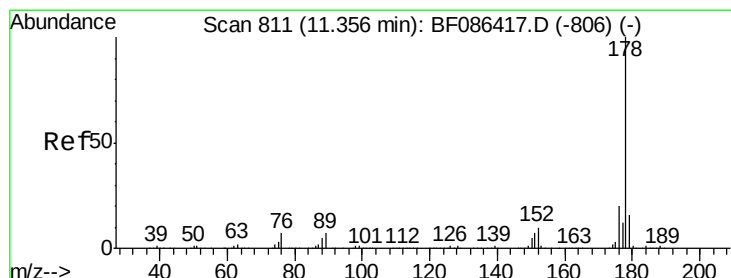
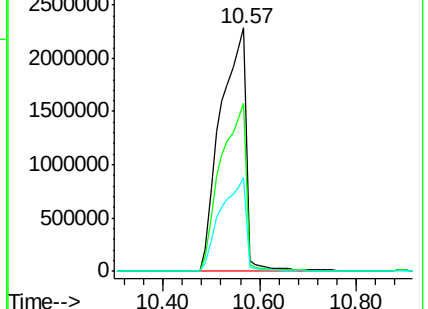
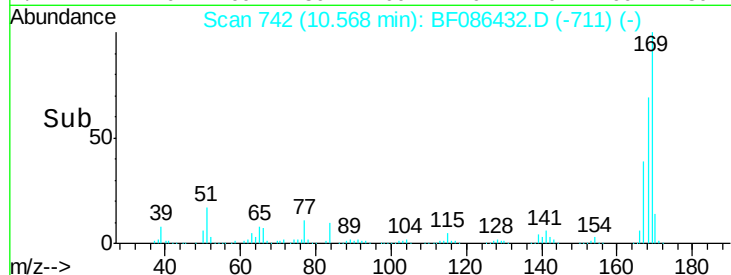
167 38.7 29.5 44.3



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 13.65 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.08 min

Lab File: BF086432.D

Acq: 27 Apr 2016 19:06

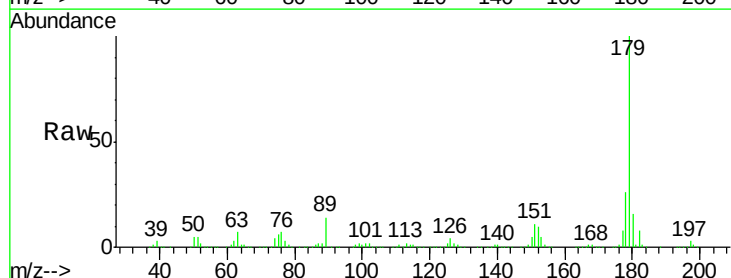
Tgt Ion:178 Resp: 228366

Ion Ratio Lower Upper

178 100

176 5.8 16.0 24.0#

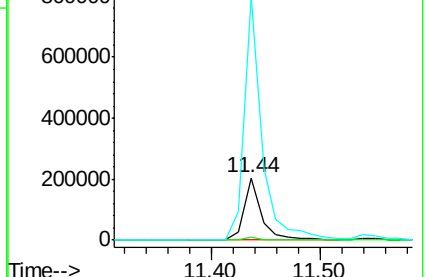
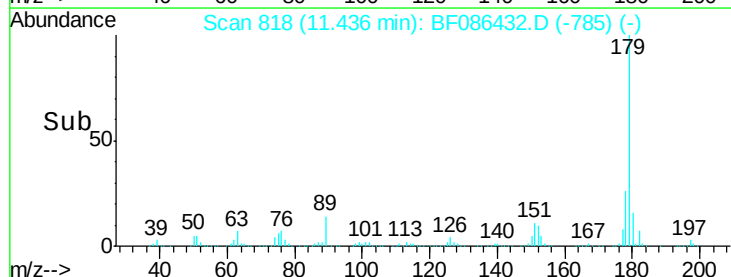
179 390.7 12.6 18.8#

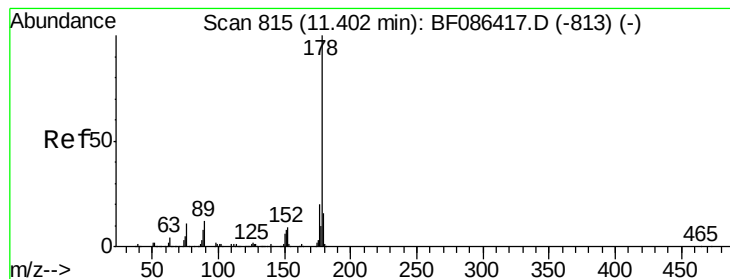


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 12.79 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.03 min

Lab File: BF086432.D

Acq: 27 Apr 2016 19:06

Instrument :

BNA_F

ClientSampleId :

DPA2-PRE-B10

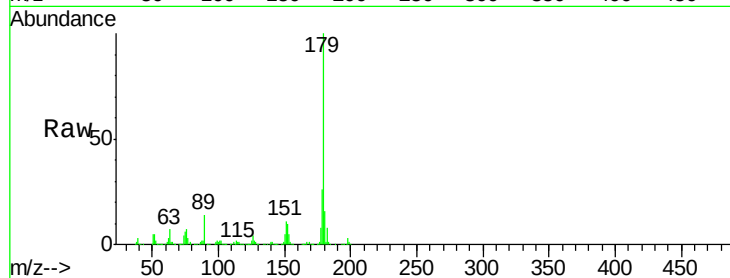
Tgt Ion:178 Resp: 228366

Ion Ratio Lower Upper

178 100

176 5.8 15.6 23.4#

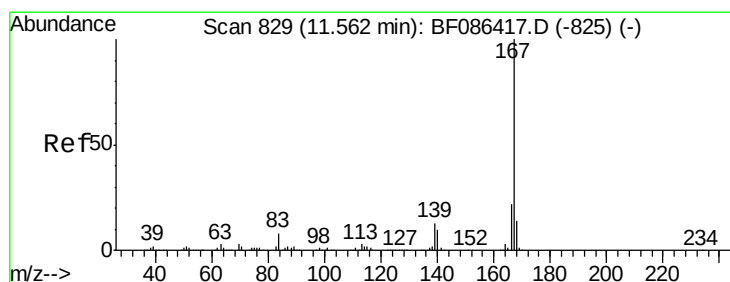
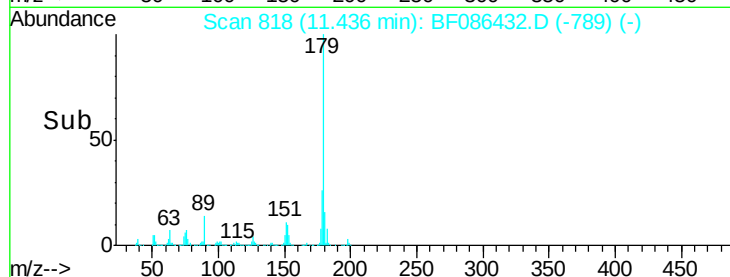
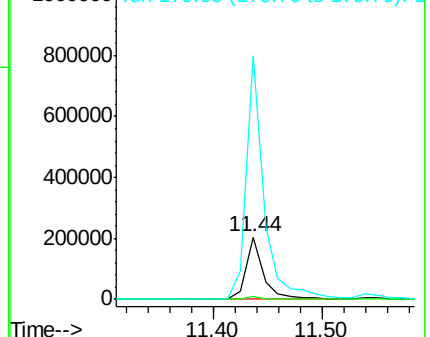
179 390.7 12.7 19.1#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 147.42 ng

RT: 11.57 min Scan# 830

Delta R.T. 0.01 min

Lab File: BF086432.D

Acq: 27 Apr 2016 19:06

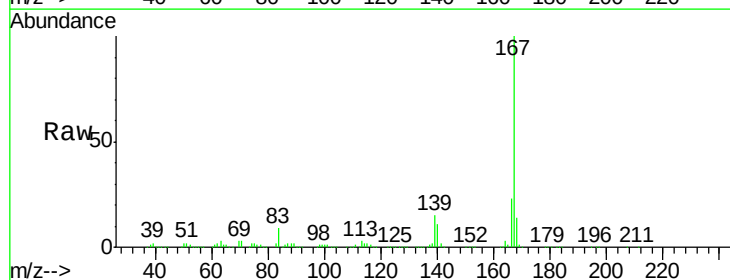
Tgt Ion:167 Resp: 2333173

Ion Ratio Lower Upper

167 100

166 22.7 17.7 26.5

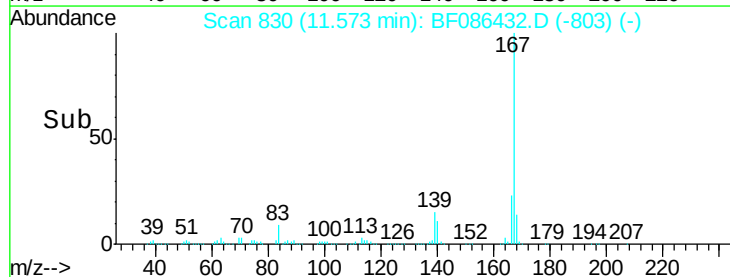
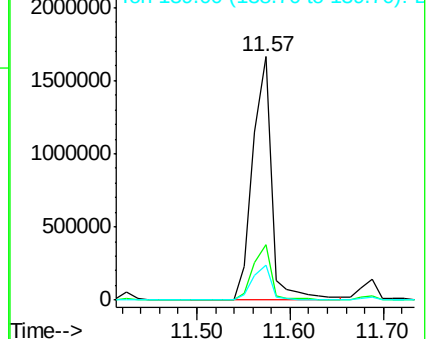
139 14.5 10.8 16.2

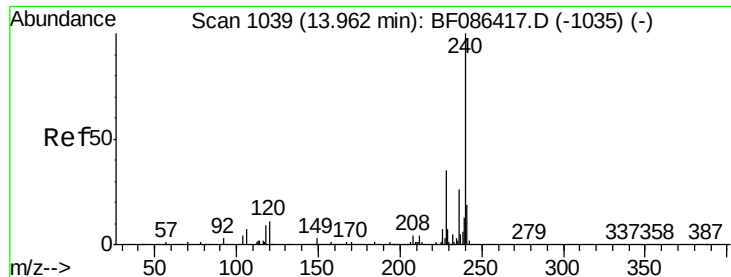


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF086432.D

Acq: 27 Apr 2016 19:06

Instrument :

BNA_F

ClientSampleId :

DPA2-PRE-B10

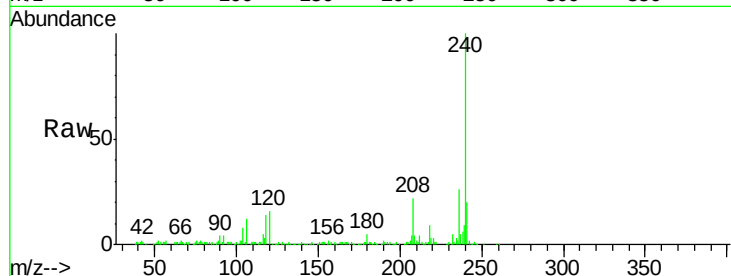
Tgt Ion:240 Resp: 242664

Ion Ratio Lower Upper

240 100

120 16.1 11.2 16.8

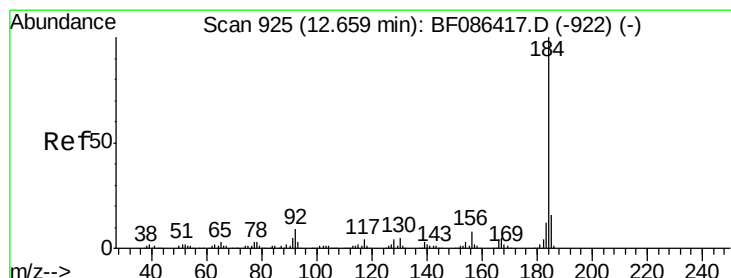
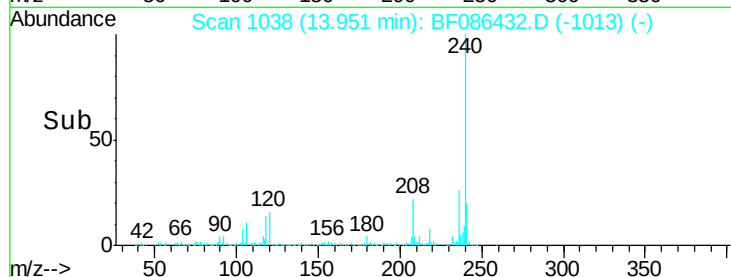
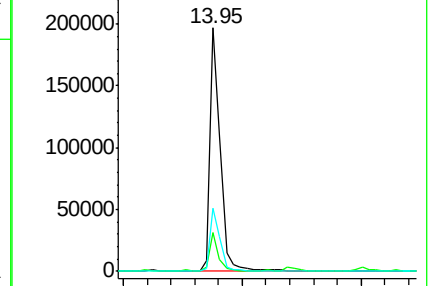
236 25.7 21.2 31.8



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: 6.44 ng

RT: 12.67 min Scan# 926

Delta R.T. 0.01 min

Lab File: BF086432.D

Acq: 27 Apr 2016 19:06

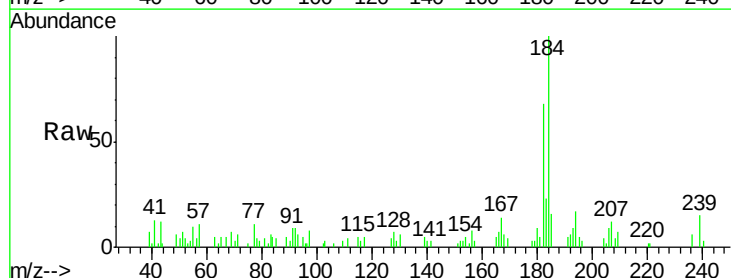
Tgt Ion:184 Resp: 53687

Ion Ratio Lower Upper

184 100

185 16.2 13.6 20.4

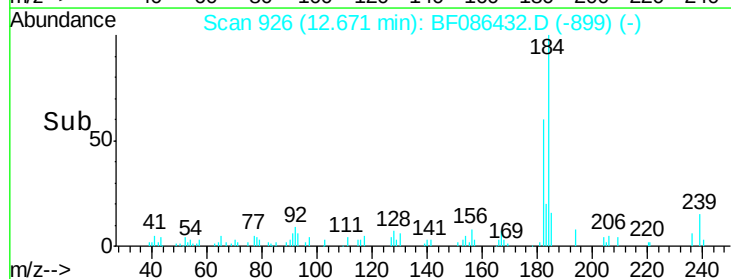
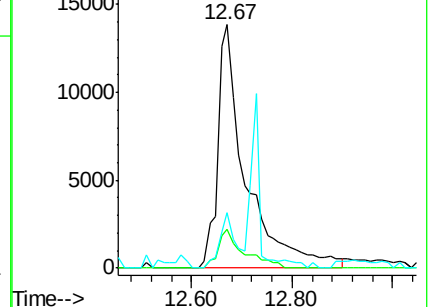
183 22.9 9.8 14.6#

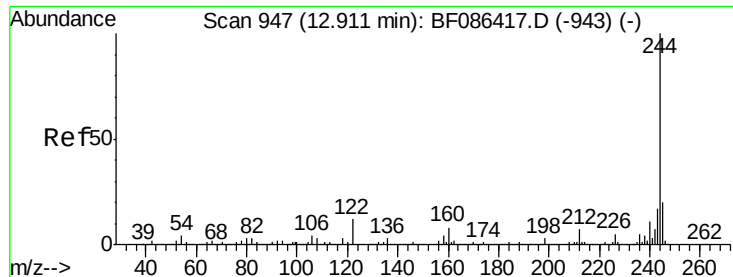


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 0.64 ng

RT: 12.91 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF086432.D

Acq: 27 Apr 2016 19:06

Instrument :

BNA_F

ClientSampleId :

DPA2-PRE-B10

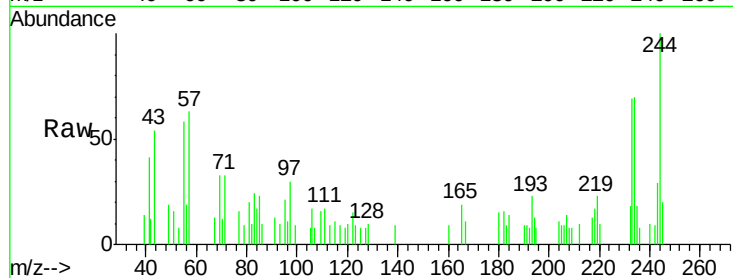
Tgt Ion:244 Resp: 7068

Ion Ratio Lower Upper

244 100

212 10.3 6.2 9.2#

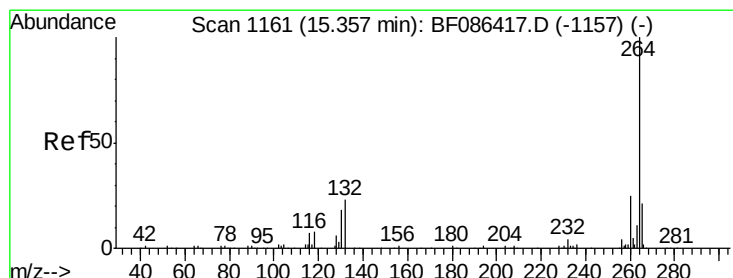
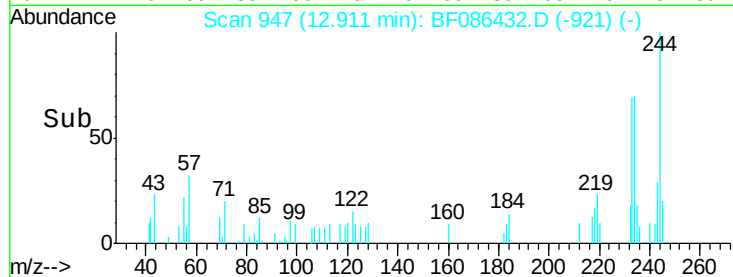
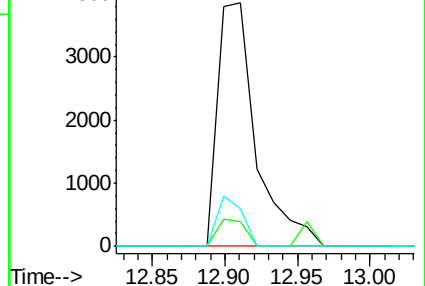
122 15.3 12.0 18.0



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: 15.37 min Scan# 1162

Delta R.T. 0.01 min

Lab File: BF086432.D

Acq: 27 Apr 2016 19:06

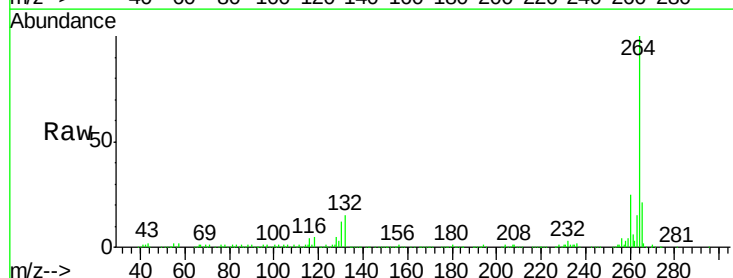
Tgt Ion:264 Resp: 257150

Ion Ratio Lower Upper

264 100

260 25.4 19.5 29.3

265 21.2 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

