

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
 Data File : BF086465.D
 Acq On : 28 Apr 2016 10:55
 Operator : UM/SJ
 Sample : H2660-02DL 500X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DPA2-PRE-B10DL

Quant Time: Apr 28 12:27:08 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

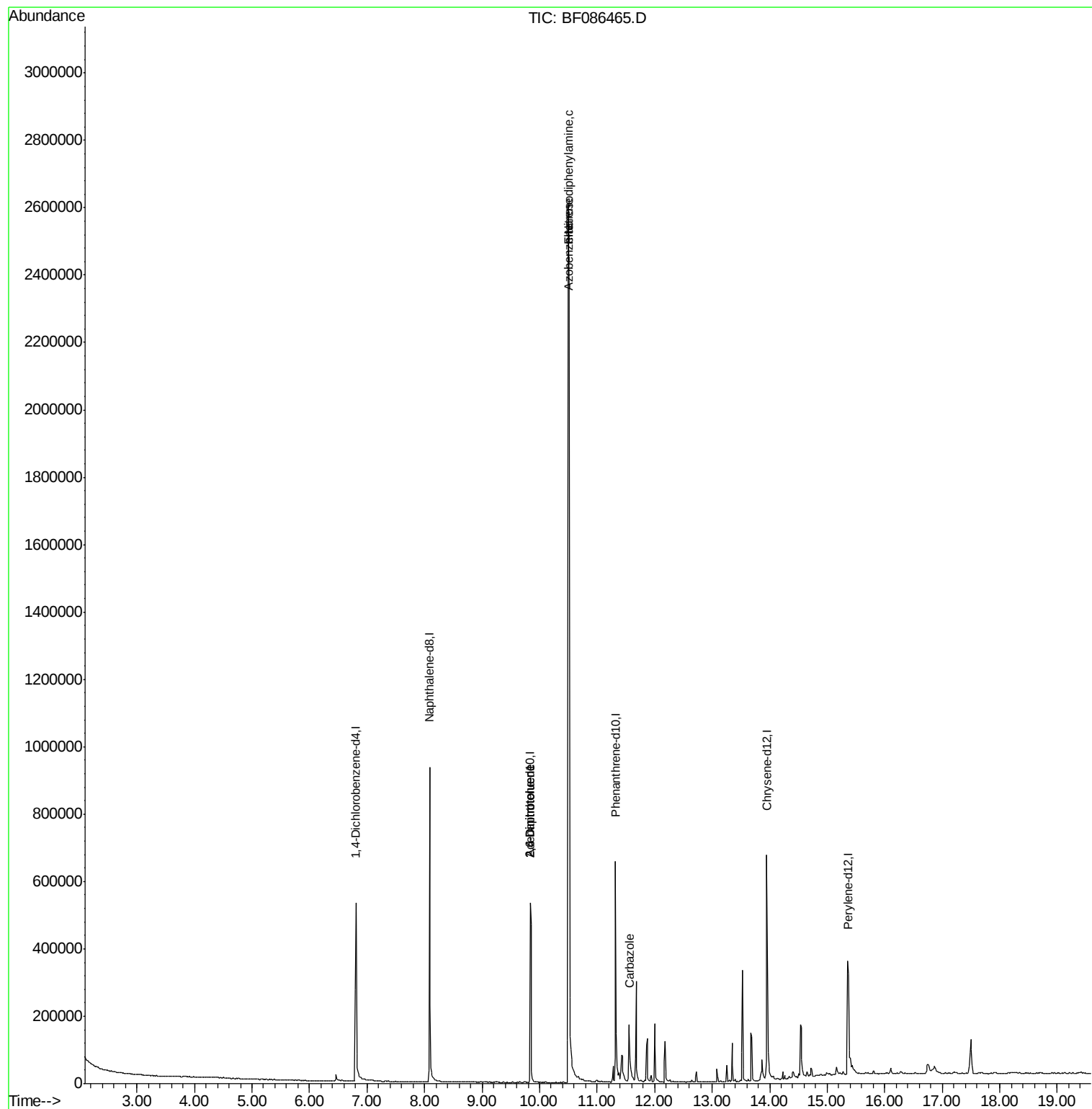
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	103439	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	444729	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	154925	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	283687	20.00	ng	0.00
75) Chrysene-d12	13.95	240	311653	20.00	ng	-0.01
86) Perylene-d12	15.37	264	213215	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.16	172	247	-1.00	ng	-0.01
78) Terphenyl-d14	12.91	244	499	0.04	ng	0.00
Target Compounds						
50) 2,6-Dinitrotoluene	9.84	165	18784	7.80	ng	# 18
56) 2,4-Dinitrotoluene	9.84	165	18784	6.12	ng	# 14
57) Fluorene	10.51	166	59215	5.52	ng	# 1
62) Azobenzene	10.50	77	137037	11.33	ng	# 1
65) n-Nitrosodiphenylamine	10.51	169	1066161	120.25	ng	99
72) Carbazole	11.56	167	148102	10.52	ng	98

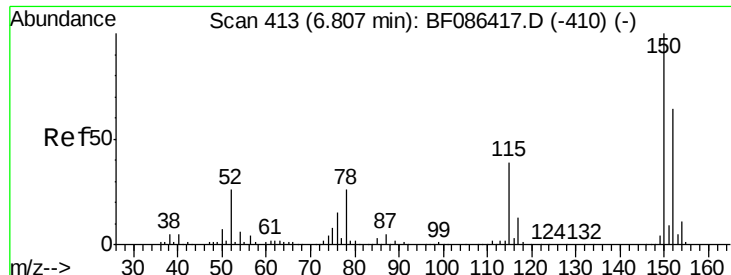
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. 0.00 min

Lab File: BF086465.D

Acq: 28 Apr 2016 10:55

Instrument :

BNA_F

ClientSampleId :

DPA2-PRE-B10DL

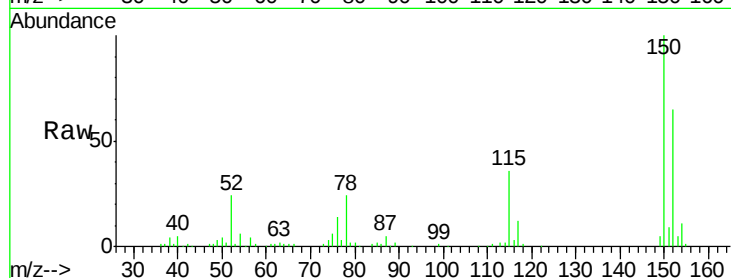
Tot Ion:152 Resp: 103439

Ion Ratio Lower Upper

152 100

150 154.7 125.8 188.6

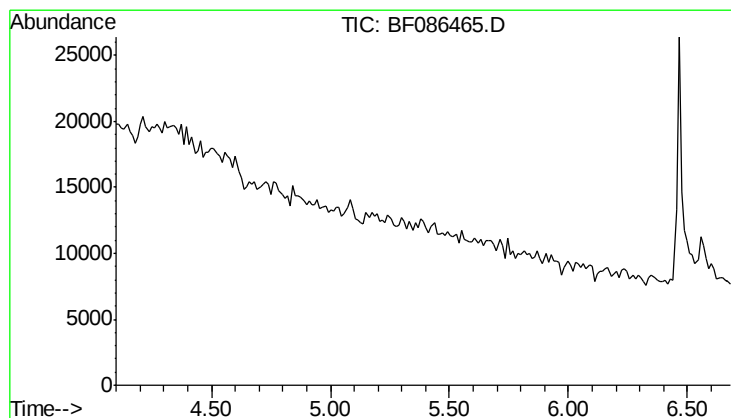
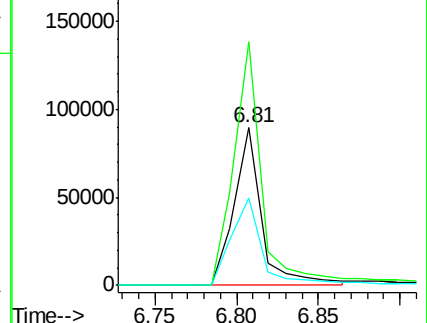
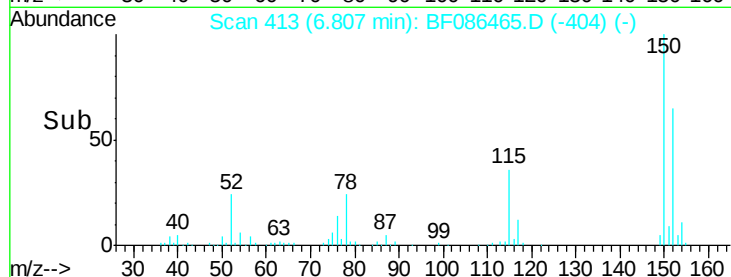
115 55.5 51.5 77.3



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: 0.00 ng

Expected RT: 5.39 min

Lab File: BF086465.D

Acq: 28 Apr 2016 10:55

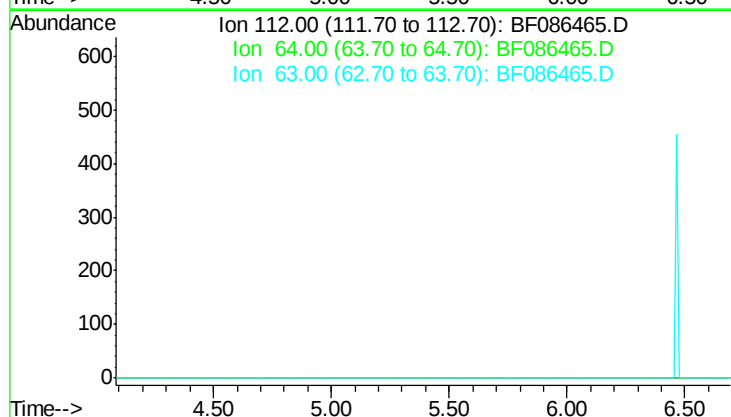
Tgt Ion: 112

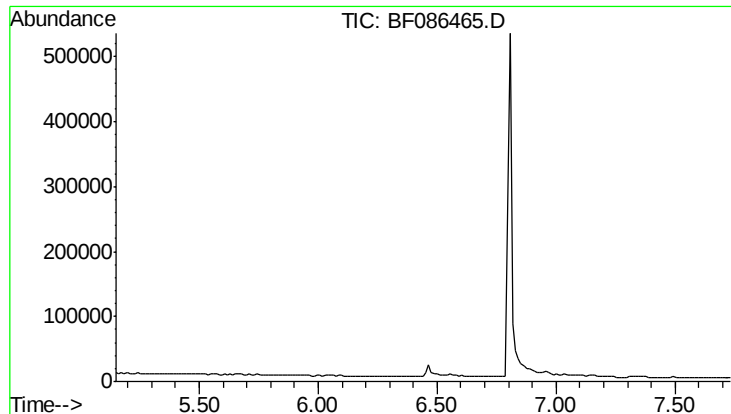
Sig Exp Ratio

112 100

64 65.1

63 32.1

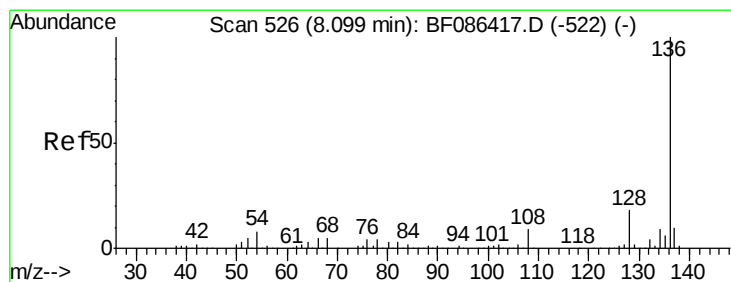
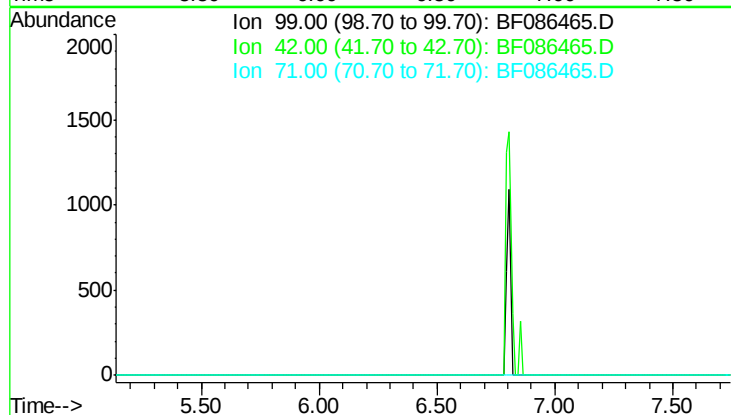




#7
 Phenol-d6
 Concen: 0.00 ng
 Expected RT: 6.44 min
 Lab File: BF086465.D
 Acq: 28 Apr 2016 10:55

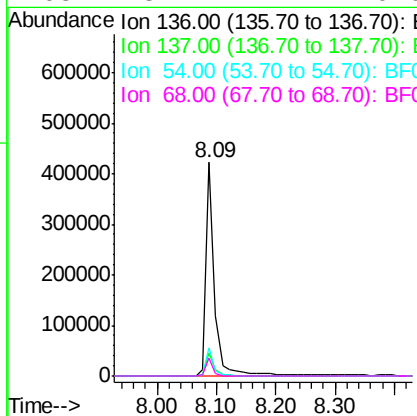
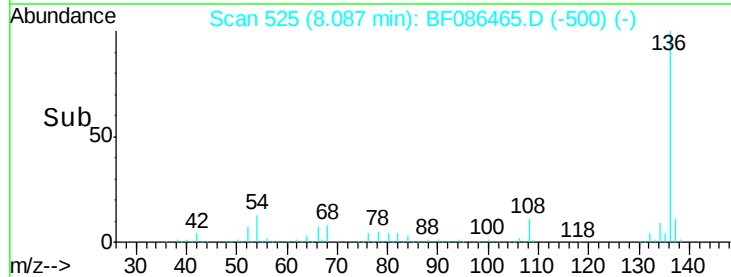
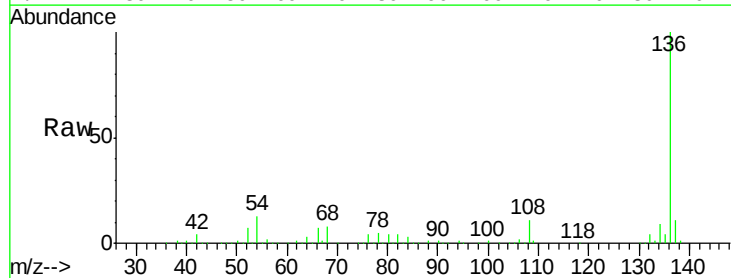
Instrument :
 BNA_F
 ClientSampleId :
 DPA2-PRE-B10DL

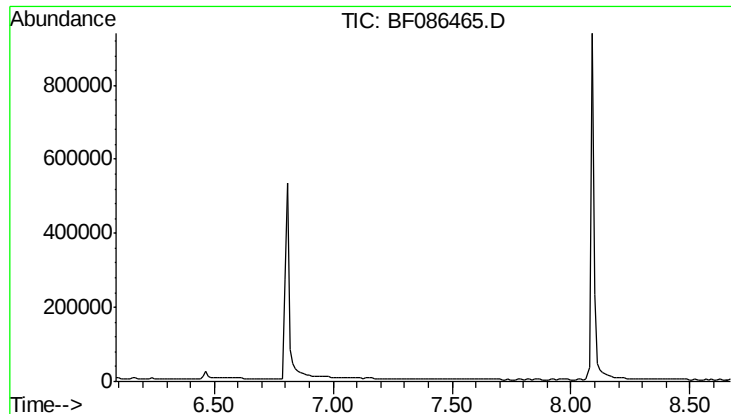
Tot Ion: 99
 Sig Exp Ratio
 99 100
 42 17.0
 71 30.7



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.09 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: BF086465.D
 Acq: 28 Apr 2016 10:55

Tgt Ion: 136 Resp: 444729
 Ion Ratio Lower Upper
 136 100
 137 10.9 8.8 13.2
 54 13.0 5.0 7.4#
 68 8.1 4.4 6.6#

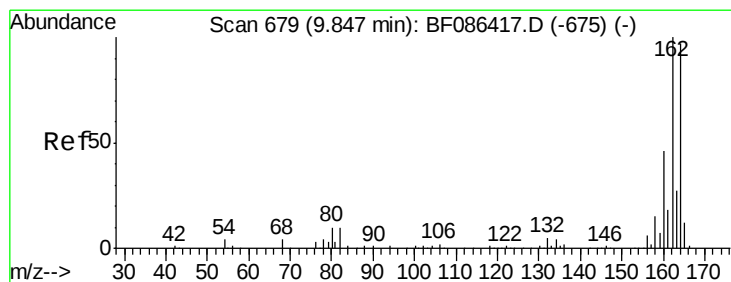
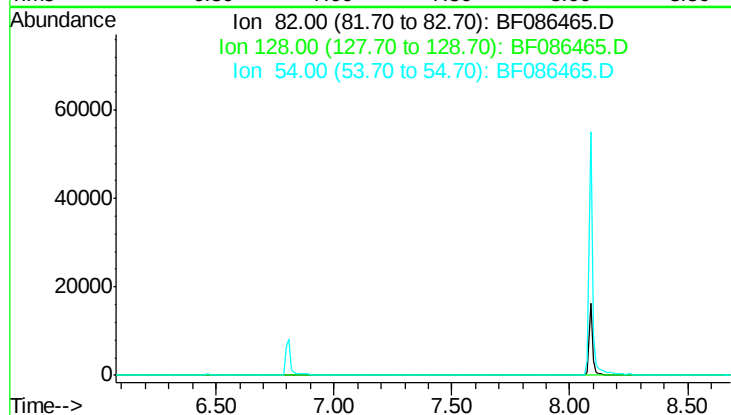




#23
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 7.38 min
 Lab File: BF086465.D
 Acq: 28 Apr 2016 10:55

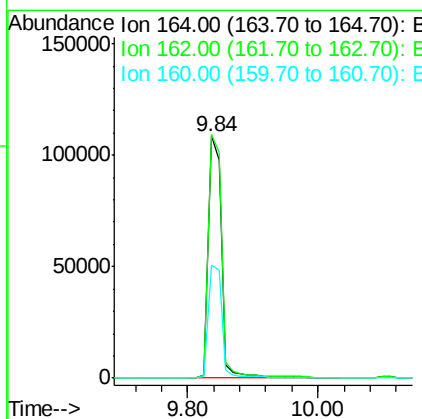
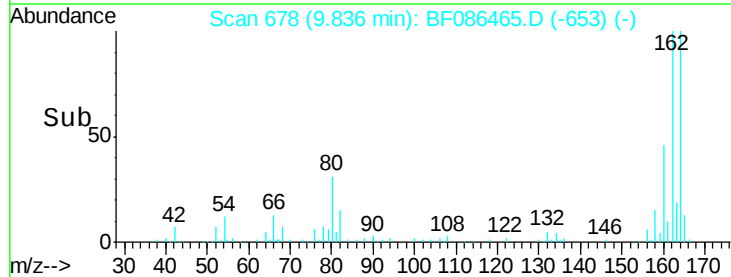
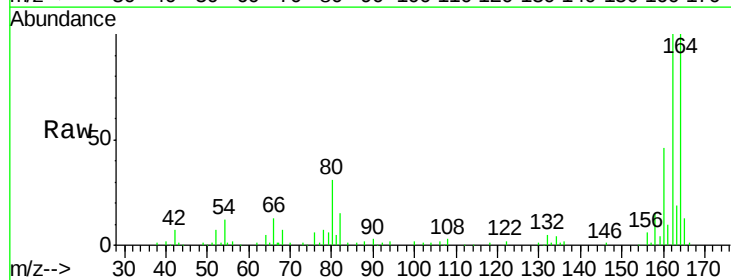
Instrument :
 BNA_F
 ClientSampleId :
 DPA2-PRE-B10DL

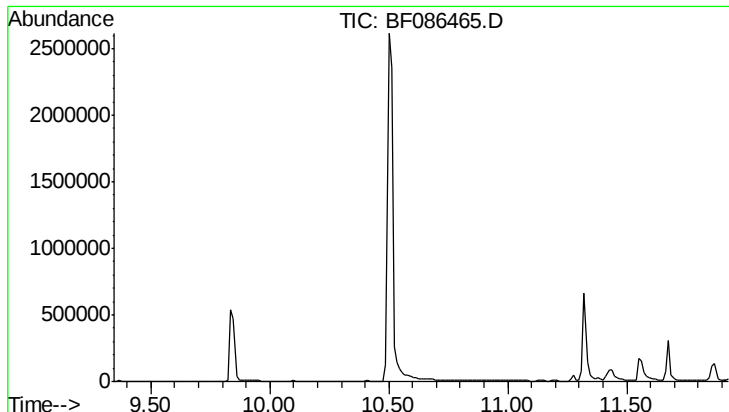
Tot Ion: 82
 Sig Exp Ratio
 82 100
 128 50.8
 54 47.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.01 min
 Lab File: BF086465.D
 Acq: 28 Apr 2016 10:55

Tgt Ion: 164 Resp: 154925
 Ion Ratio Lower Upper
 164 100
 162 100.5 82.8 124.2
 160 46.6 36.9 55.3

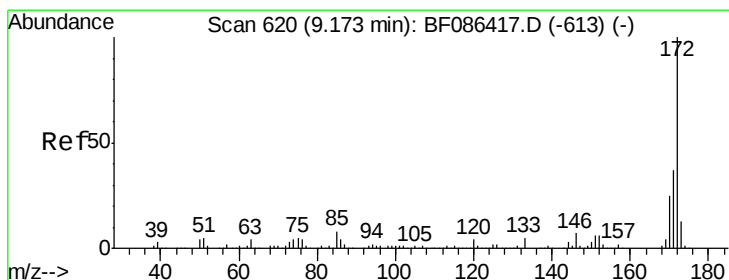
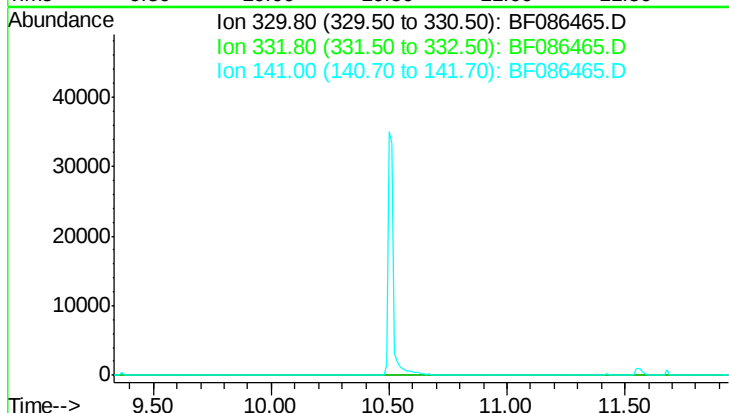




#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.64 min
 Lab File: BF086465.D
 Acq: 28 Apr 2016 10:55

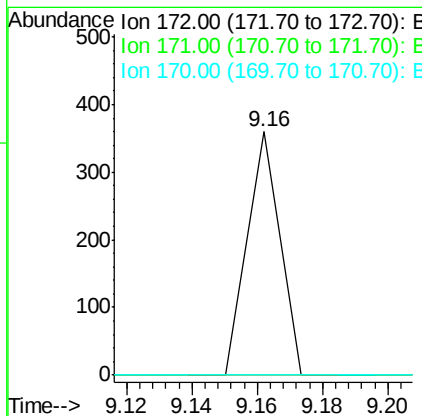
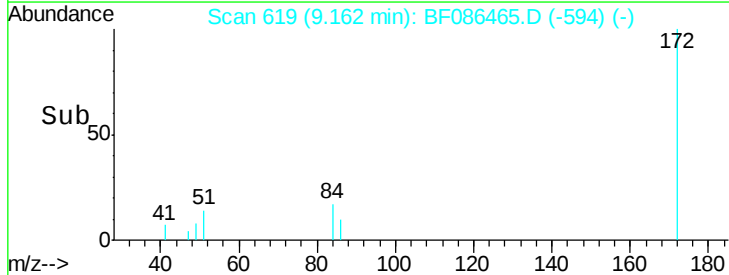
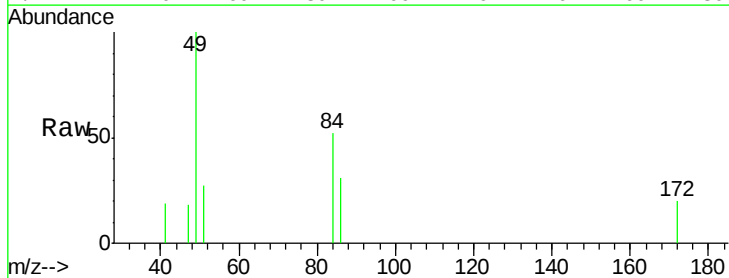
Instrument :
 BNA_F
 ClientSampleId :
 DPA2-PRE-B10DL

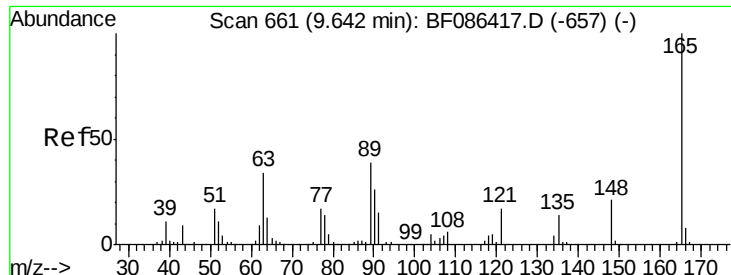
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 98.7
 141 39.0



#44
 2-Fluorobiphenyl
 Concen: -1.00 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: BF086465.D
 Acq: 28 Apr 2016 10:55

Tgt Ion: 172 Resp: 247
 Ion Ratio Lower Upper
 172 100
 171 0.0 29.0 43.6#
 170 0.0 19.8 29.8#

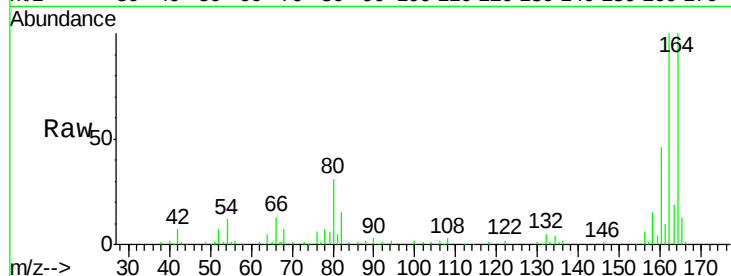




#50
 2,6-Dinitrotoluene
 Concen: 7.80 ng
 RT: 9.84 min Scan# 678
 Delta R.T. 0.19 min
 Lab File: BF086465.D
 Acq: 28 Apr 2016 10:55

Instrument :
 BNA_F
 ClientSampleId :
 DPA2-PRE-B10DL

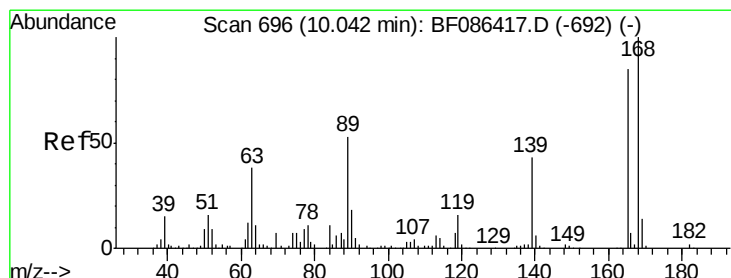
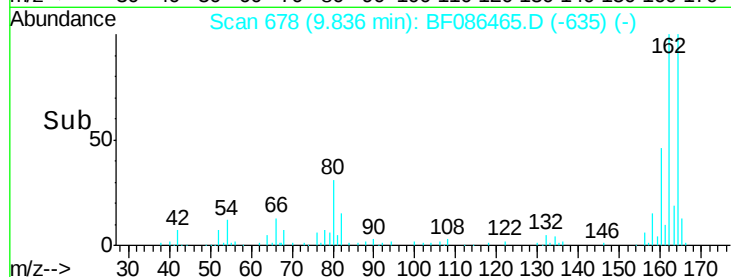
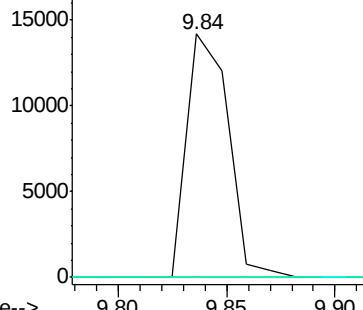
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.8#
89	0.0	50.7	76.1#



Abundance Ion 165.00 (164.70 to 165.70): E

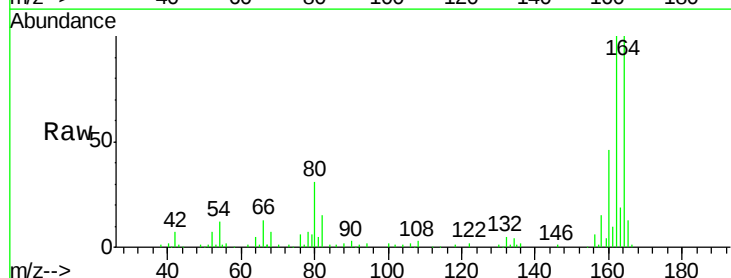
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.12 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.21 min
 Lab File: BF086465.D
 Acq: 28 Apr 2016 10:55

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

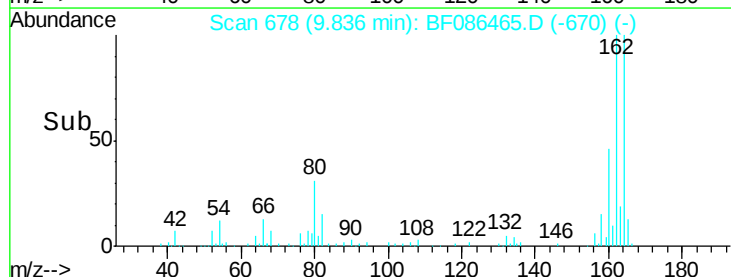
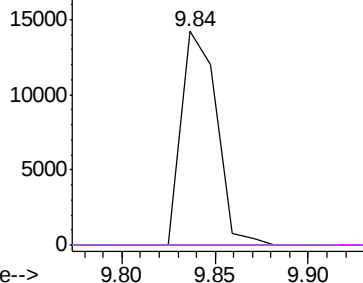


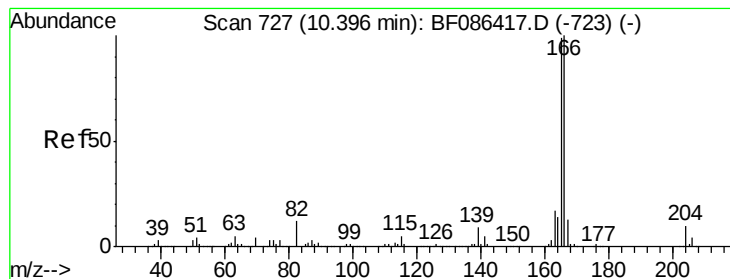
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: 5.52 ng

RT: 10.51 min Scan# 737

Delta R.T. 0.11 min

Lab File: BF086465.D

Acq: 28 Apr 2016 10:55

Instrument :

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ClientSampleId :

DPA2-PRE-B10DL

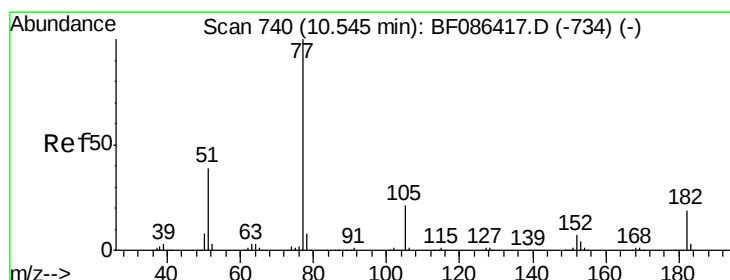
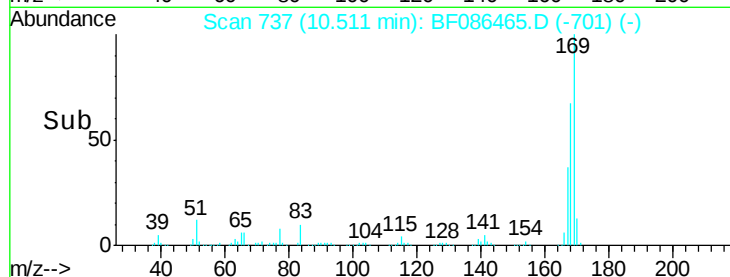
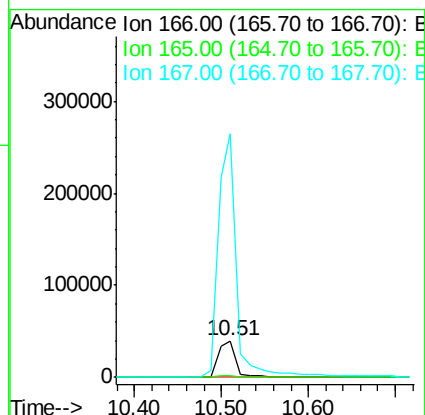
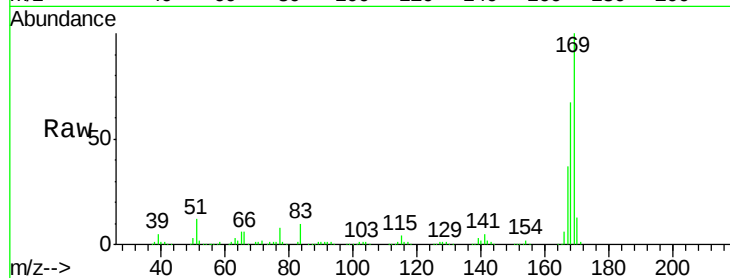
Tot Ion:166 Resp: 59215

Ion Ratio Lower Upper

166 100

165 5.2 79.0 118.6#

167 661.0 10.6 15.8#



#62

Azobenzene

Concen: 11.33 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.05 min

Lab File: BF086465.D

Acq: 28 Apr 2016 10:55

Tgt Ion: 77 Resp: 137037

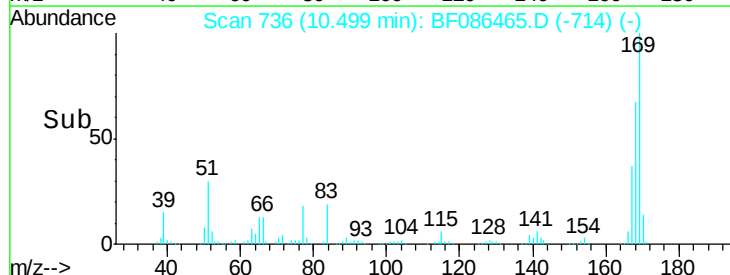
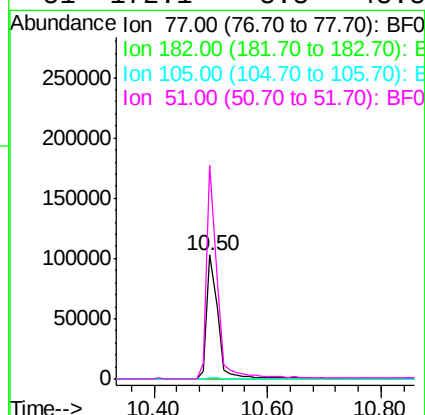
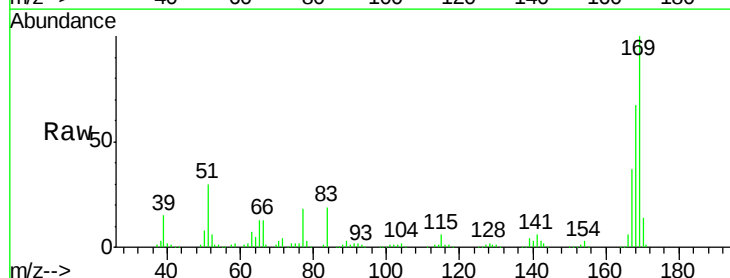
Ion Ratio Lower Upper

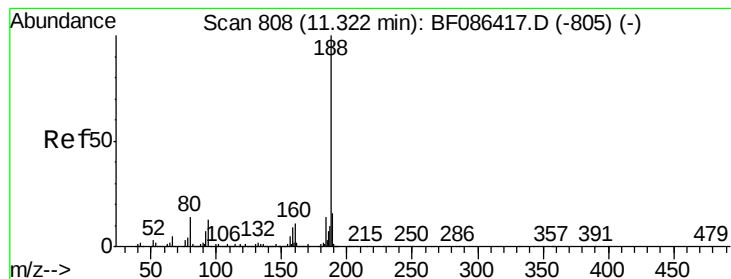
77 100

182 0.0 0.0 38.8

105 1.0 3.2 43.2#

51 172.1 8.8 48.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF086465.D

Acq: 28 Apr 2016 10:55

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DPA2-PRE-B10DL

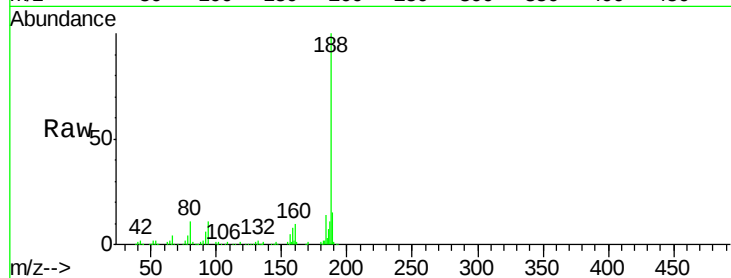
Tot Ion:188 Resp: 283687

Ion Ratio Lower Upper

188 100

94 10.9 6.8 10.2#

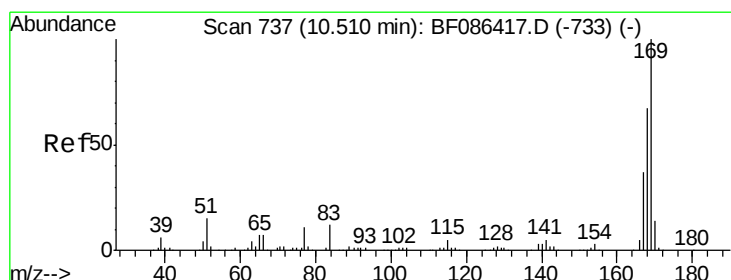
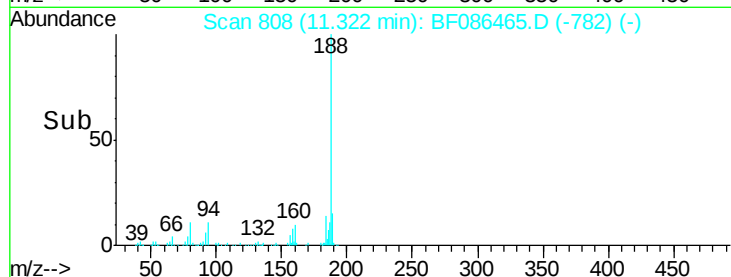
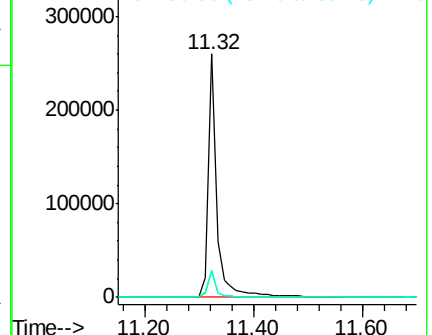
80 11.3 7.1 10.7#



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



#65

n-Nitrosodiphenylamine

Concen: 120.25 ng

RT: 10.51 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF086465.D

Acq: 28 Apr 2016 10:55

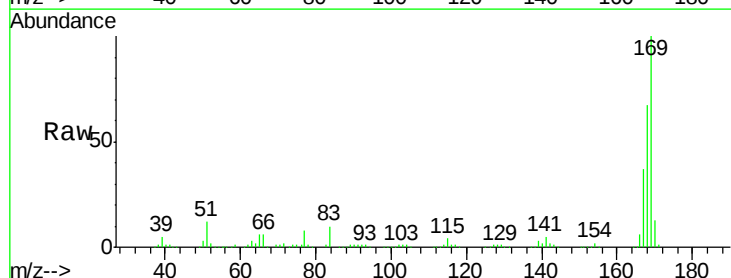
Tgt Ion:169 Resp: 1066161

Ion Ratio Lower Upper

169 100

168 66.8 53.8 80.6

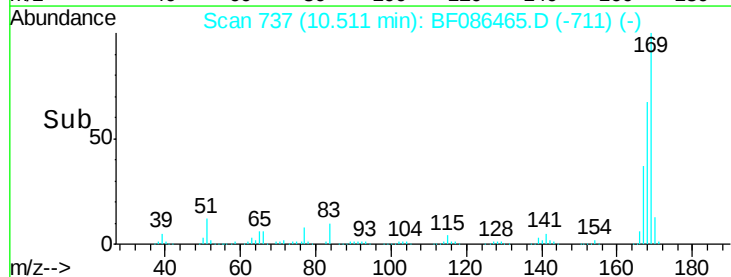
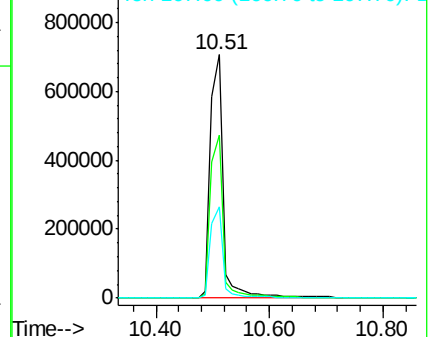
167 37.5 29.5 44.3

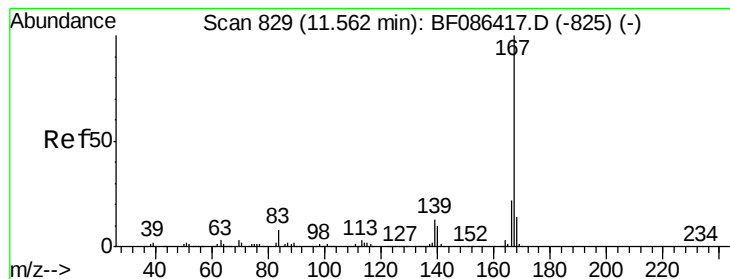


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#72

Carbazole

Concen: 10.52 ng

RT: 11.56 min Scan# 829

Delta R.T. 0.00 min

Lab File: BF086465.D

Acq: 28 Apr 2016 10:55

Instrument :

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ClientSampleId :

DPA2-PRE-B10DL

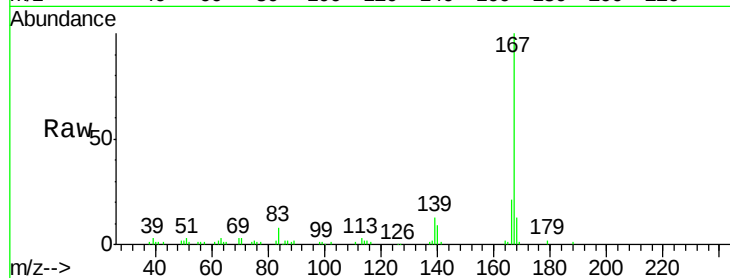
Tot Ion:167 Resp: 148102

Ion Ratio Lower Upper

167 100

166 21.4 17.7 26.5

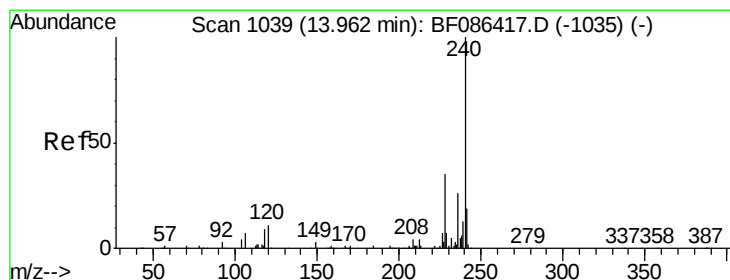
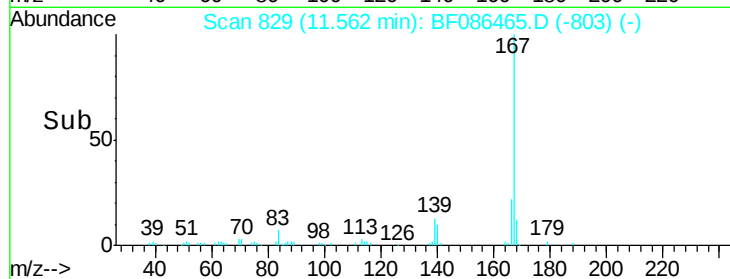
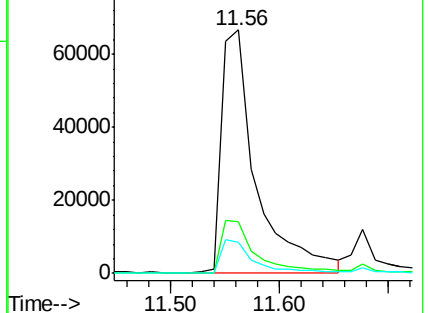
139 12.5 10.8 16.2



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: BF086465.D

Acq: 28 Apr 2016 10:55

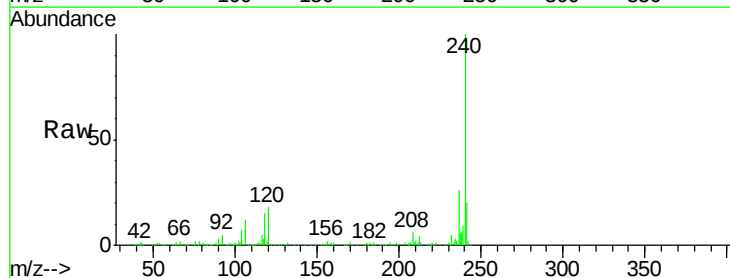
Tgt Ion:240 Resp: 311653

Ion Ratio Lower Upper

240 100

120 17.6 11.2 16.8#

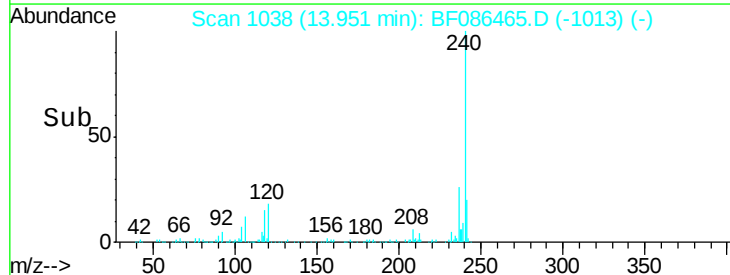
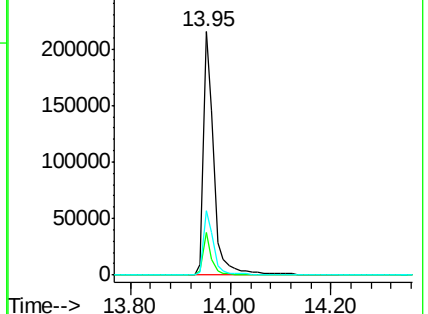
236 26.5 21.2 31.8

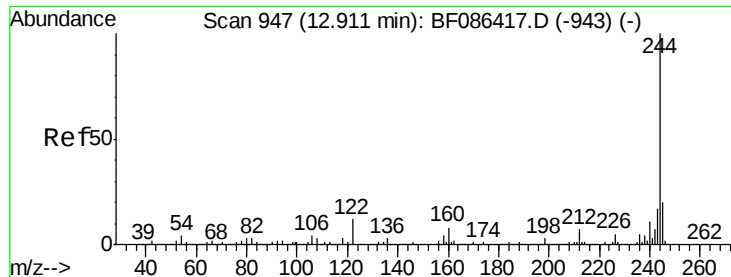


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 0.04 ng

RT: 12.91 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF086465.D

Acq: 28 Apr 2016 10:55

Instrument :

BNA_F

ClientSampleId :

DPA2-PRE-B10DL

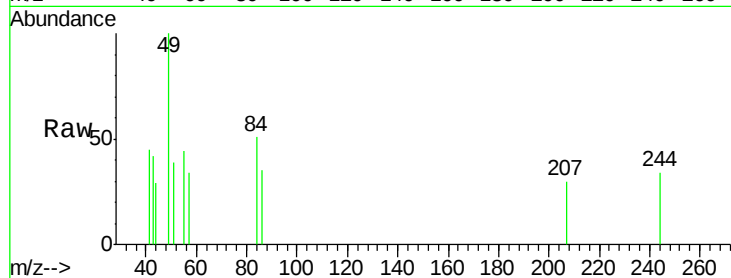
Tot Ion:244 Resp: 499

Ion Ratio Lower Upper

244 100

212 0.0 6.2 9.2#

122 0.0 12.0 18.0#

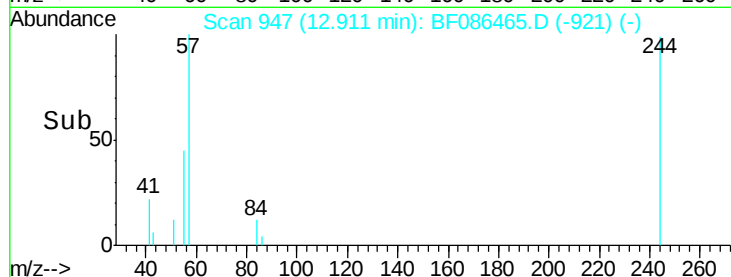


Abundance Ion 244.00 (243.70 to 244.70): E

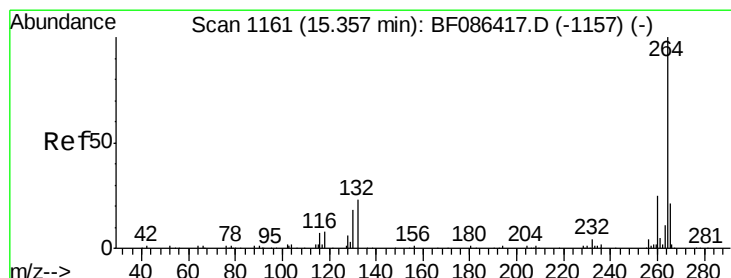
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time--> 12.85 12.90 12.95



Time--> 12.85 12.90 12.95



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.37 min Scan# 1162

Delta R.T. 0.01 min

Lab File: BF086465.D

Acq: 28 Apr 2016 10:55

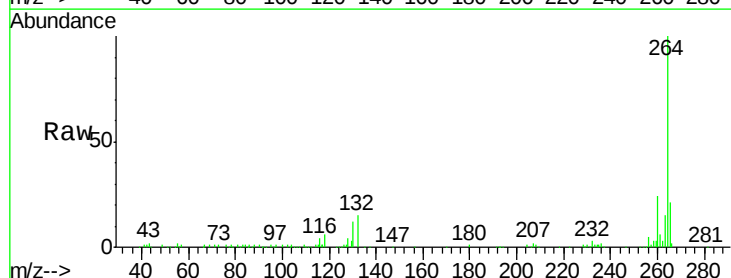
Tgt Ion:264 Resp: 213215

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 20.8 17.3 25.9

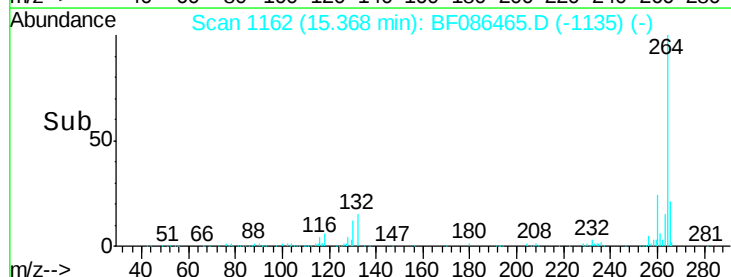


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

Time--> 15.20 15.40 15.60



Time--> 15.20 15.40 15.60