

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111315\
 Data File : BF082937.D
 Acq On : 14 Nov 2015 11:33
 Operator : UM/IZ
 Sample : PB86619TB
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86619TB

Quant Time: Nov 16 00:19:56 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 07 02:32:49 2015
 Response via : Initial Calibration

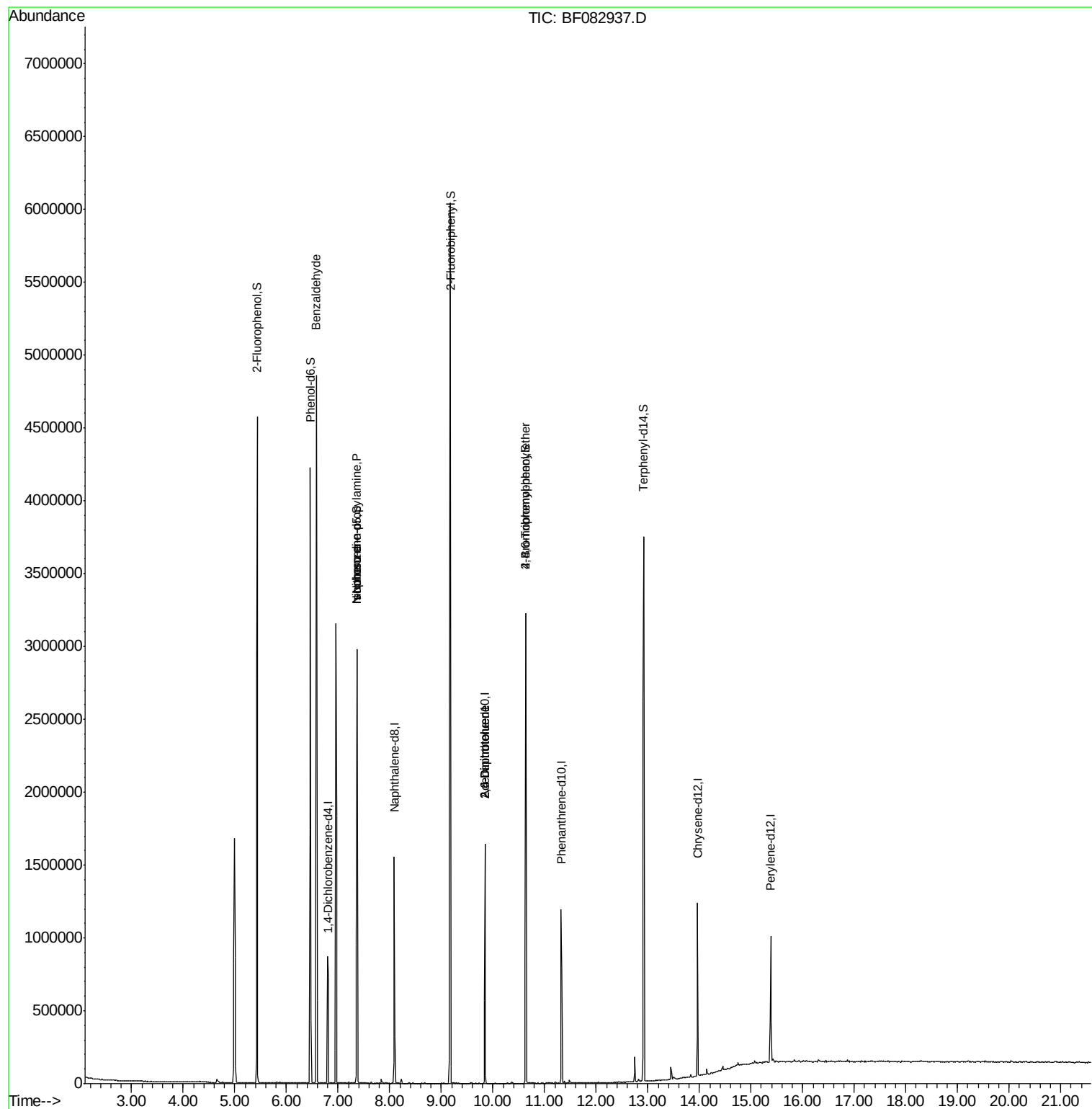
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	179531	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	658467	20.00	ng	-0.06
38) Acenaphthene-d10	9.85	164	342535	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	552351	20.00	ng	-0.06
75) Chrysene-d12	13.96	240	404945	20.00	ng	-0.06
86) Perylene-d12	15.38	264	379766	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1398147	121.17	ng	-0.01
7) Phenol-d6	6.46	99	1544945	100.72	ng	-0.01
23) Nitrobenzene-d5	7.37	82	1037878	68.58	ng	-0.04
41) 2,4,6-Tribromophenol	10.64	330	318434	81.08	ng	-0.04
44) 2-Fluorobiphenyl	9.17	172	1755745	73.46	ng	-0.05
78) Terphenyl-d14	12.92	244	1514942	88.73	ng	-0.04
Target Compounds						
9) Benzaldehyde	6.58	77	32749	3.86	ng	Qvalue 85
19) n-Nitroso-di-n-propylamine	7.37	70	140691	12.48	ng	# 72
25) Isophorone	7.37	82	1024724	36.60	ng	# 69
50) 2,6-Dinitrotoluene	9.85	165	42629	7.12	ng	# 17
56) 2,4-Dinitrotoluene	9.85	165	42621	5.25	ng	# 15
66) 4-Bromophenyl-phenylether	10.64	248	23859	3.59	ng	# 1

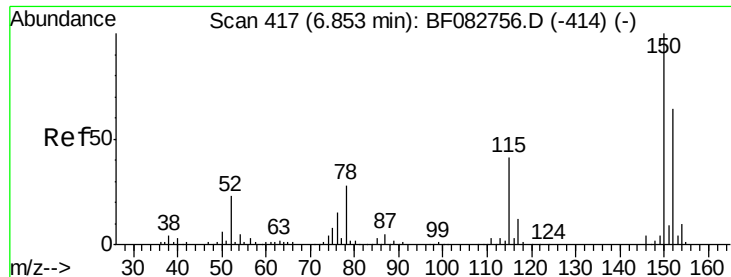
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF082937.D

Acq: 14 Nov 2015 11:33

Instrument :

BNA_F

ClientSampleId :

PB86619TB

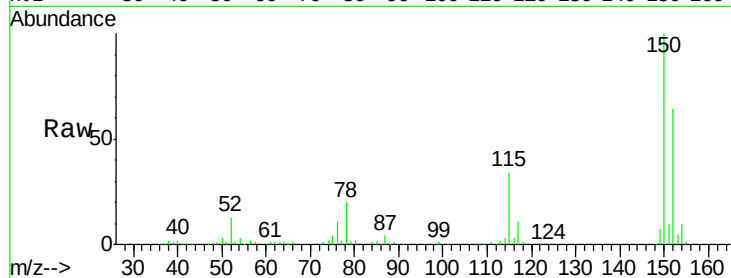
Tgt Ion:152 Resp: 179531

Ion Ratio Lower Upper

152 100

150 155.5 127.0 190.4

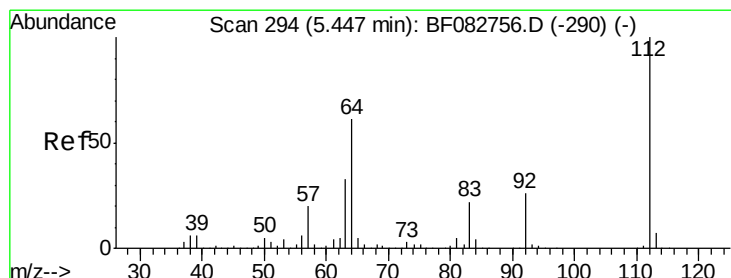
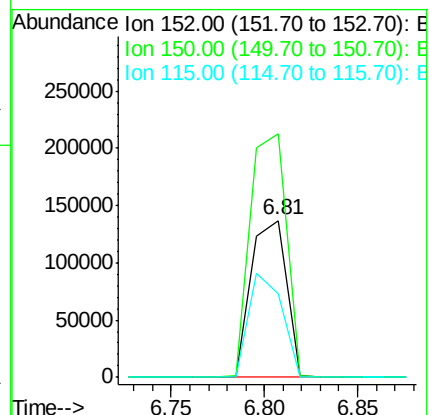
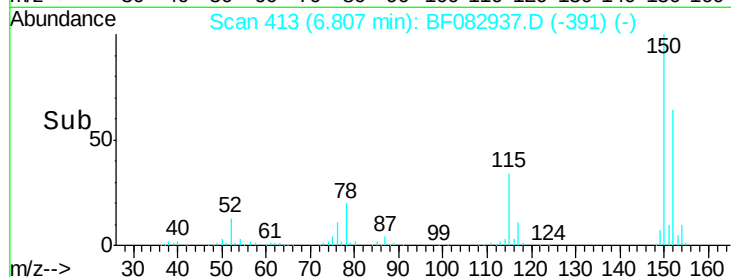
115 53.1 47.0 70.6



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: 121.17 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF082937.D

Acq: 14 Nov 2015 11:33

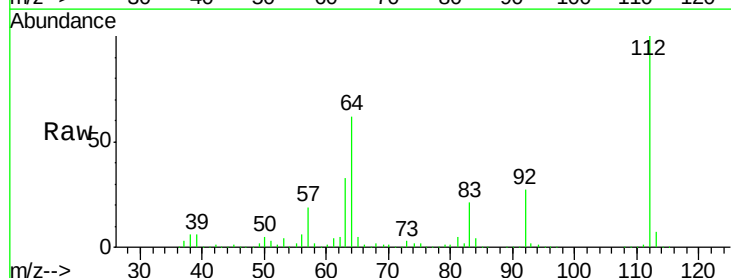
Tgt Ion:112 Resp: 1398147

Ion Ratio Lower Upper

112 100

64 62.0 48.9 73.3

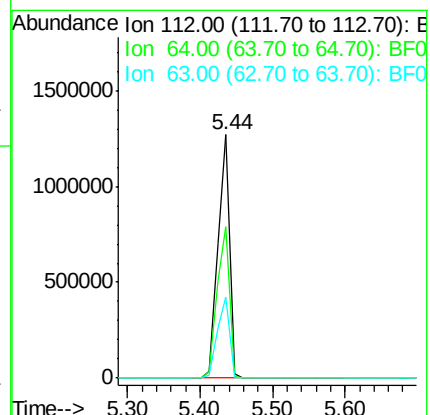
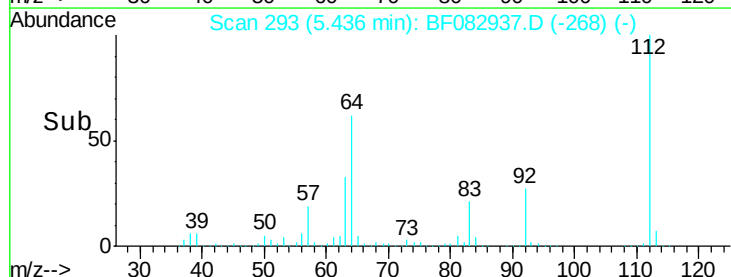
63 33.0 28.1 42.1

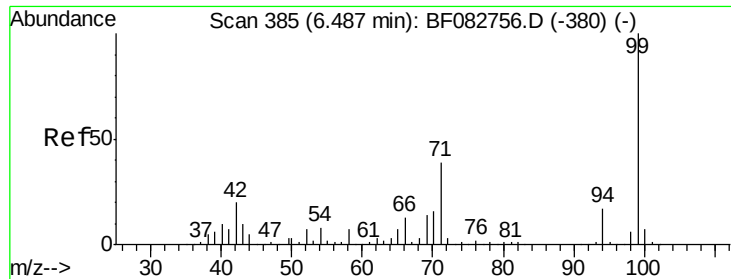


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 100.72 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF082937.D

Acq: 14 Nov 2015 11:33

Instrument :

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PB86619TB

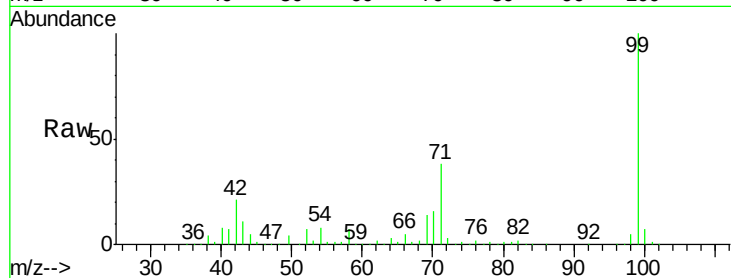
Tgt Ion: 99 Resp: 1544945

Ion Ratio Lower Upper

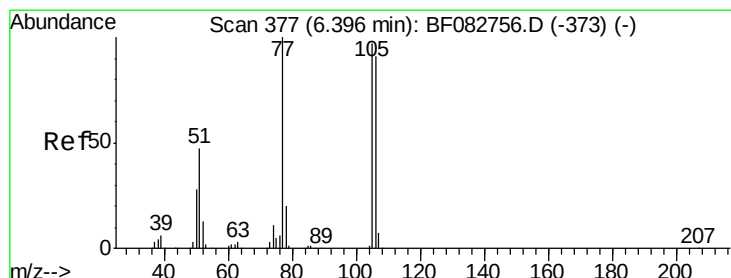
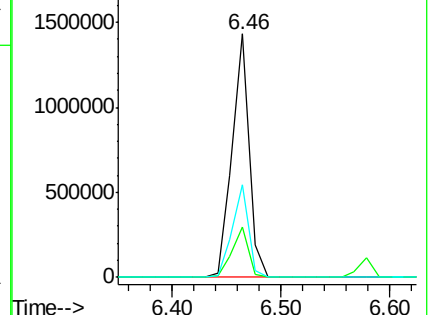
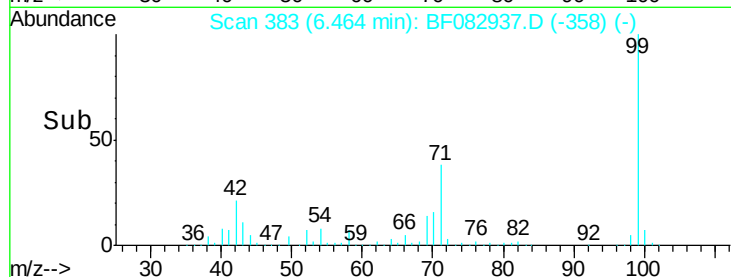
99 100

42 20.6 19.2 28.8

71 37.8 35.0 52.4



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: 3.86 ng

RT: 6.58 min Scan# 393

Delta R.T. 0.18 min

Lab File: BF082937.D

Acq: 14 Nov 2015 11:33

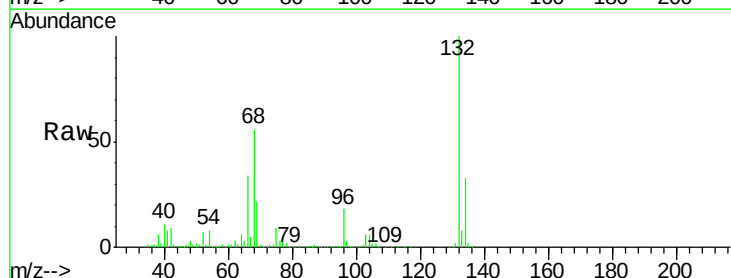
Tgt Ion: 77 Resp: 32749

Ion Ratio Lower Upper

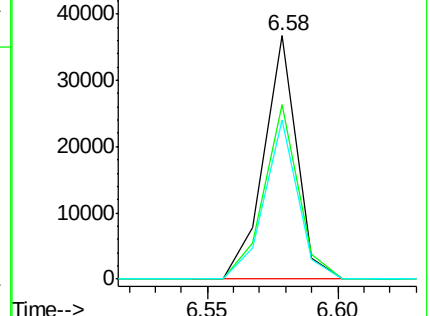
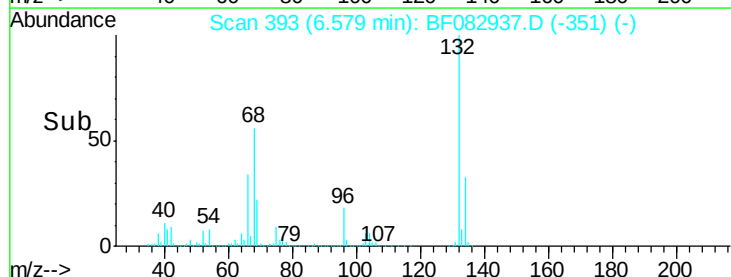
77 100

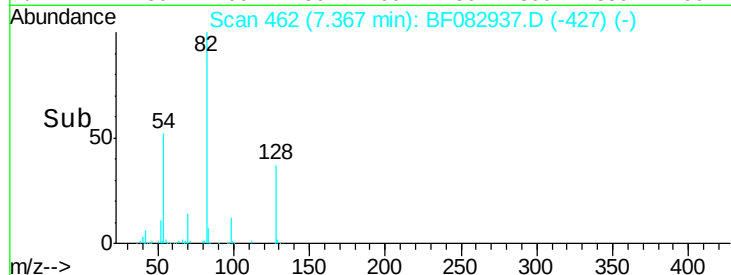
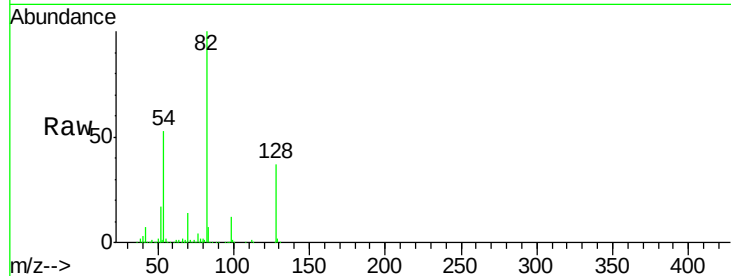
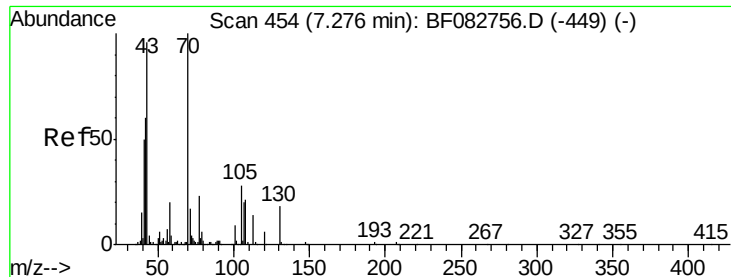
105 71.5 63.5 103.5

106 65.2 59.3 99.3



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

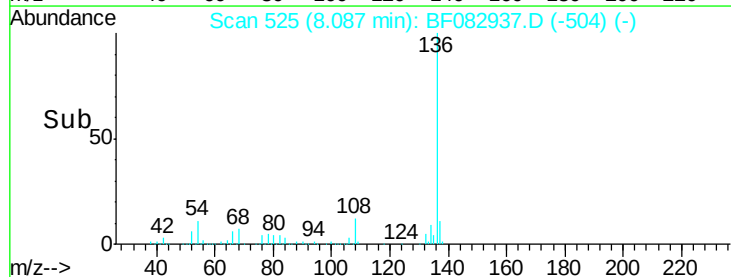
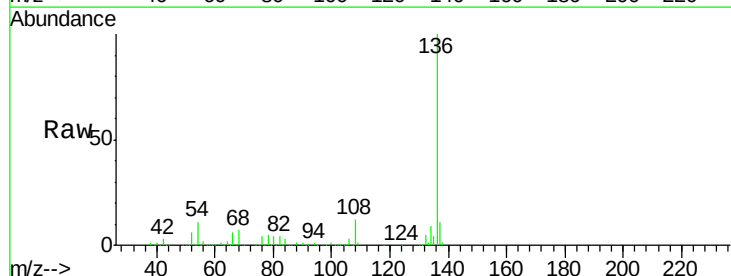
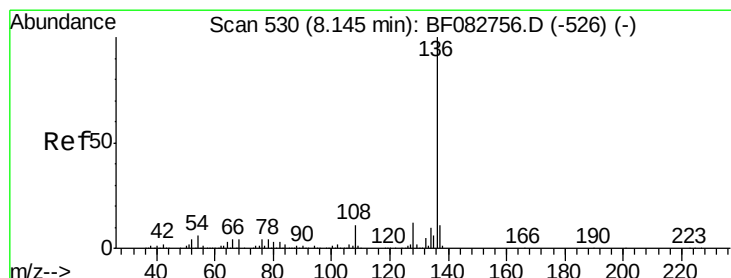
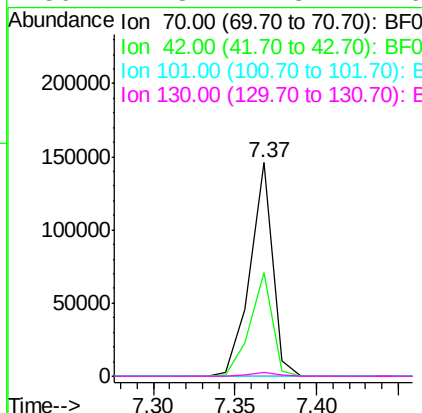




#19
n-Nitroso-di-n-propylamine
Concen: 12.48 ng
RT: 7.37 min Scan# 462
Delta R.T. 0.10 min
Lab File: BF082937.D
Acq: 14 Nov 2015 11:33

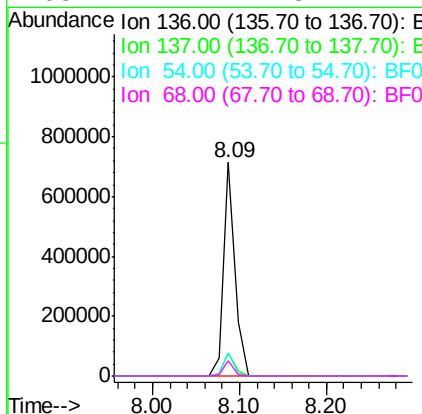
Instrument :
BNA_F
ClientSampleId :
PB86619TB

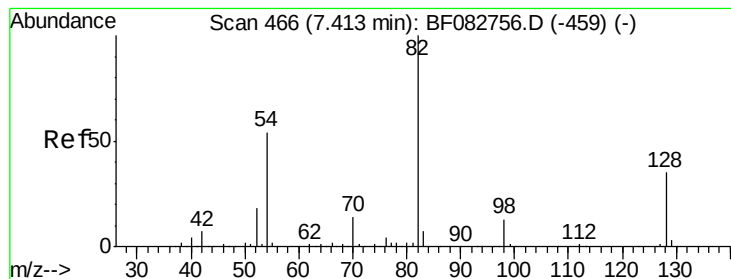
Tgt Ion:	70	Resp:	140691
Ion	Ratio	Lower	Upper
70	100		
42	48.5	57.7	86.5#
101	0.0	7.0	10.6#
130	1.8	11.8	17.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.06 min
Lab File: BF082937.D
Acq: 14 Nov 2015 11:33

Tgt Ion:	136	Resp:	658467
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	10.6	9.1	13.7
68	7.1	4.8	7.2





#23

Nitrobenzene-d5

Concen: 68.58 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.04 min

Lab File: BF082937.D

Acq: 14 Nov 2015 11:33

Instrument :

BNA_F

ClientSampleId :

PB86619TB

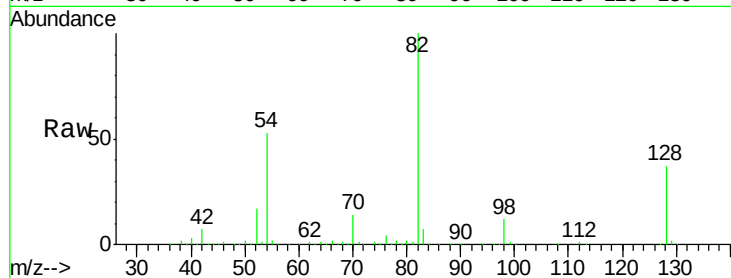
Tgt Ion: 82 Resp: 1037878

Ion Ratio Lower Upper

82 100

128 37.0 26.8 40.2

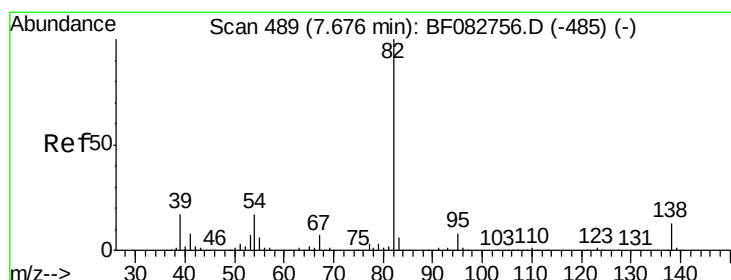
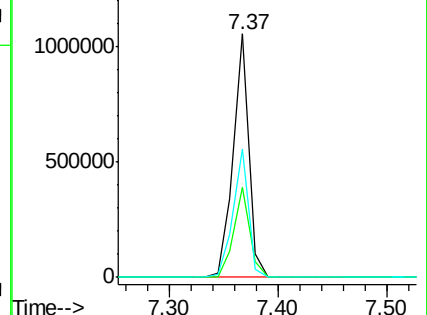
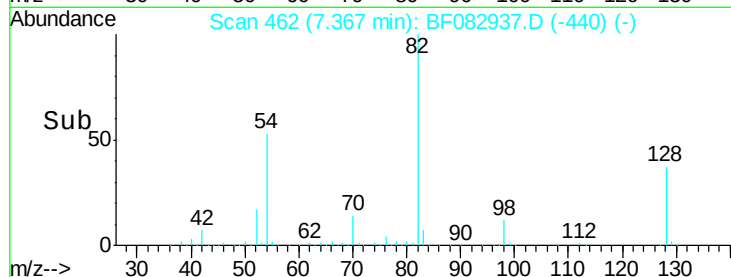
54 53.0 45.7 68.5



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 36.60 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.31 min

Lab File: BF082937.D

Acq: 14 Nov 2015 11:33

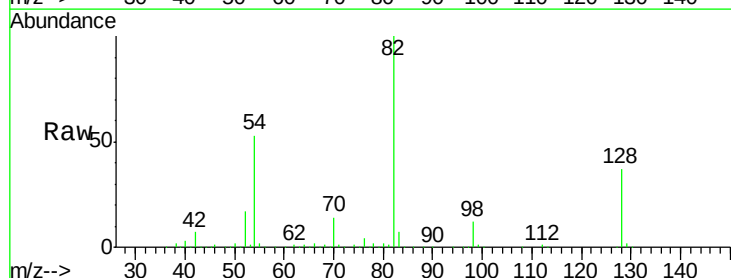
Tgt Ion: 82 Resp: 1024724

Ion Ratio Lower Upper

82 100

95 0.0 6.6 9.8#

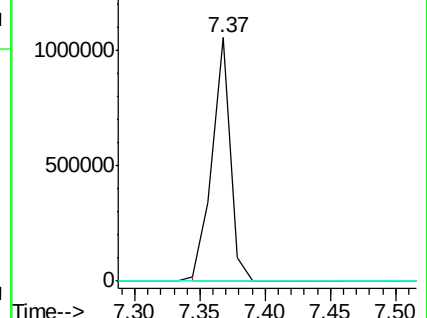
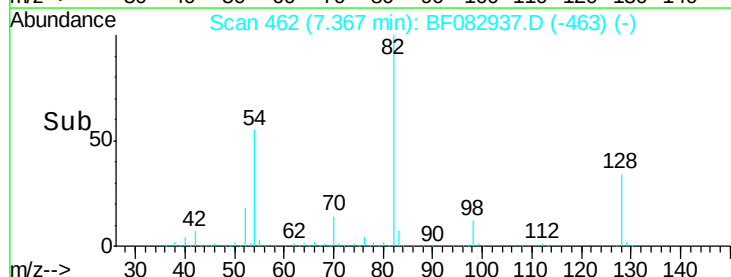
138 0.0 11.4 17.0#

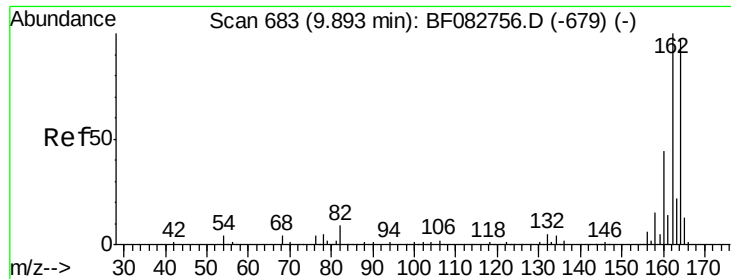


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF082937.D

Acq: 14 Nov 2015 11:33

Instrument :

BNA_F

ClientSampleId :

PB86619TB

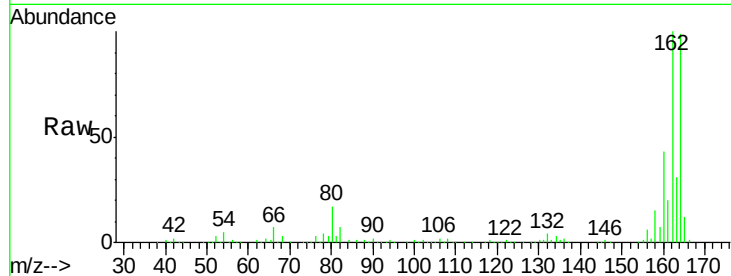
Tgt Ion:164 Resp: 342535

Ion Ratio Lower Upper

164 100

162 101.1 84.9 127.3

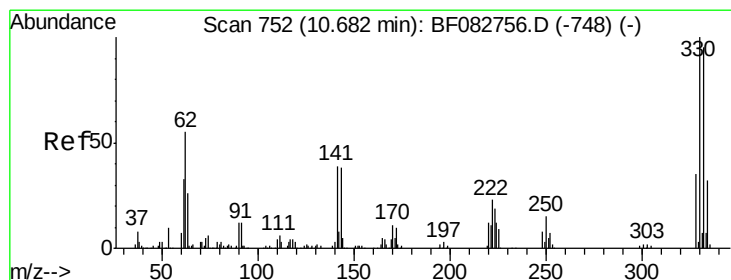
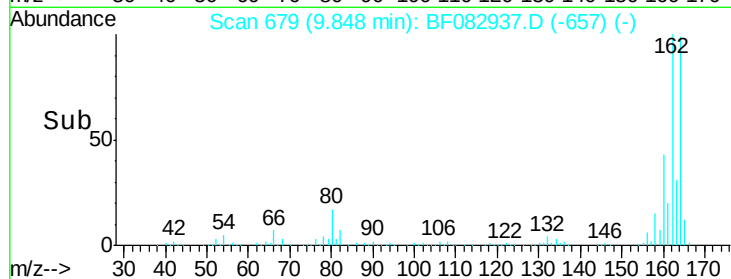
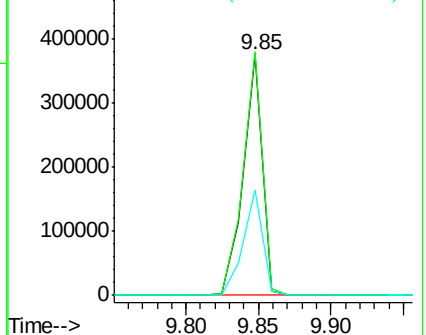
160 43.8 37.5 56.3



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: 81.08 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.04 min

Lab File: BF082937.D

Acq: 14 Nov 2015 11:33

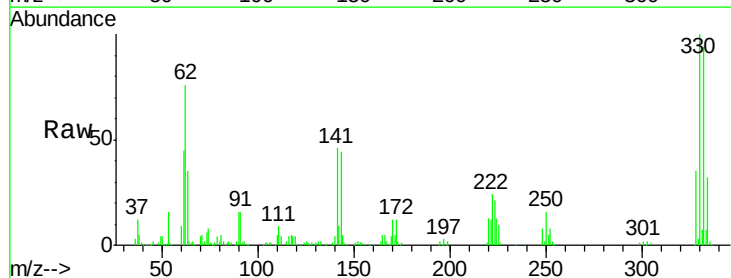
Tgt Ion:330 Resp: 318434

Ion Ratio Lower Upper

330 100

332 94.5 76.6 114.8

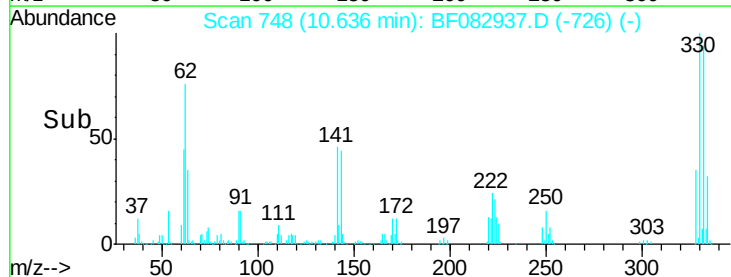
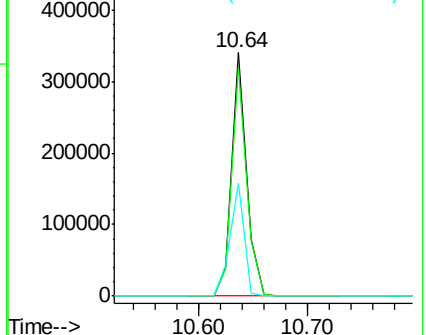
141 44.6 41.2 61.8

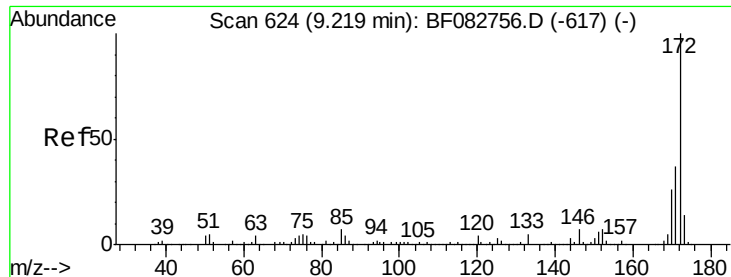


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

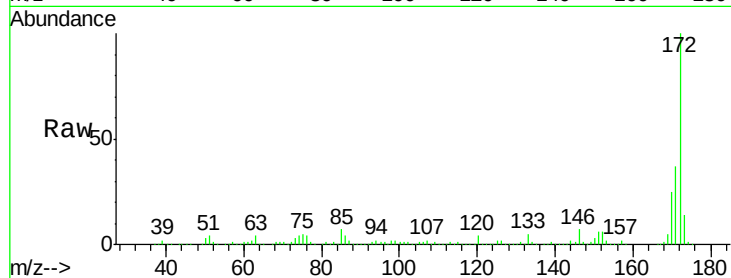




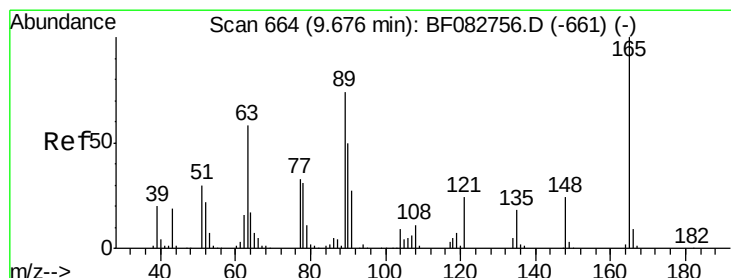
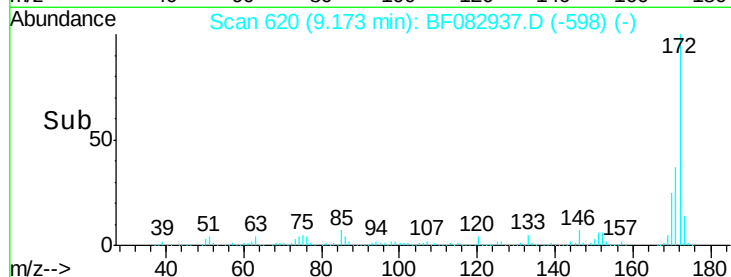
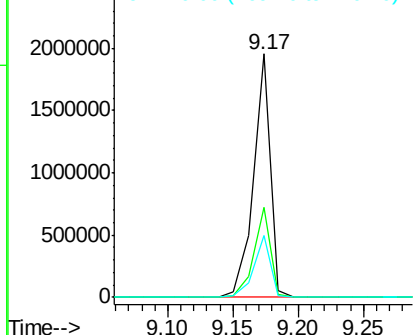
#44
 2-Fluorobiphenyl
 Concen: 73.46 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF082937.D
 Acq: 14 Nov 2015 11:33

Instrument :
 BNA_F
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Tgt Ion:172 Resp: 1755745
 Ion Ratio Lower Upper
 172 100
 171 36.8 30.8 46.2
 170 25.3 21.2 31.8

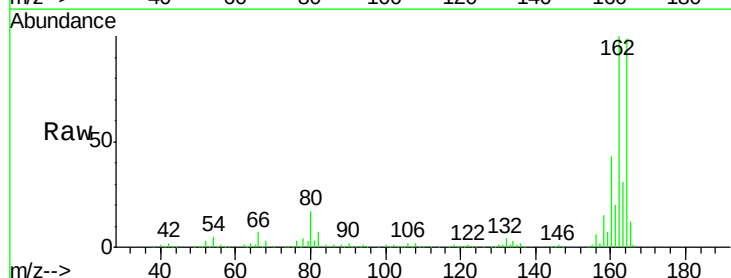


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

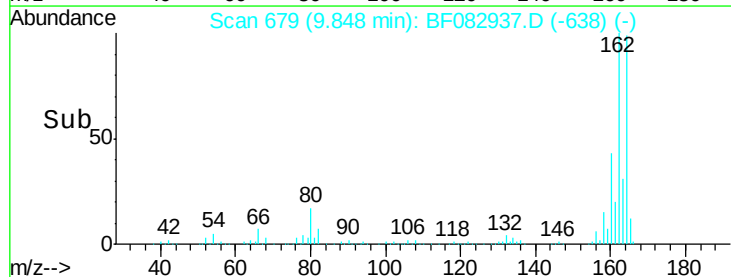
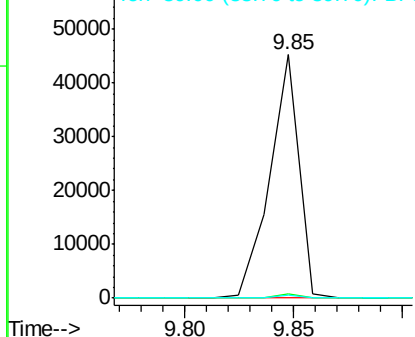


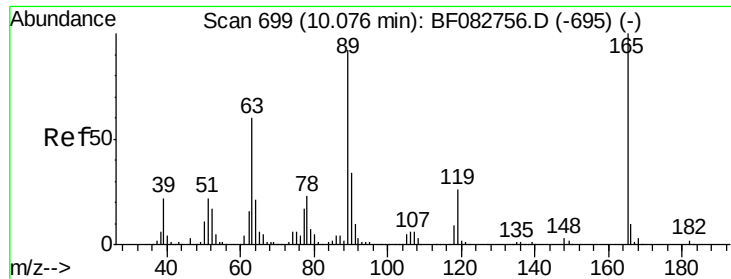
#50
 2,6-Dinitrotoluene
 Concen: 7.12 ng
 RT: 9.85 min Scan# 679
 Delta R.T. 0.17 min
 Lab File: BF082937.D
 Acq: 14 Nov 2015 11:33

Tgt Ion:165 Resp: 42629
 Ion Ratio Lower Upper
 165 100
 63 1.5 55.5 83.3#
 89 1.4 55.0 82.6#



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





#56

2,4-Dinitrotoluene

Concen: 5.25 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.23 min

Lab File: BF082937.D

Acq: 14 Nov 2015 11:33

Instrument :

BNA_F

ClientSampleId :

PB86619TB

Tgt Ion:165 Resp: 42621

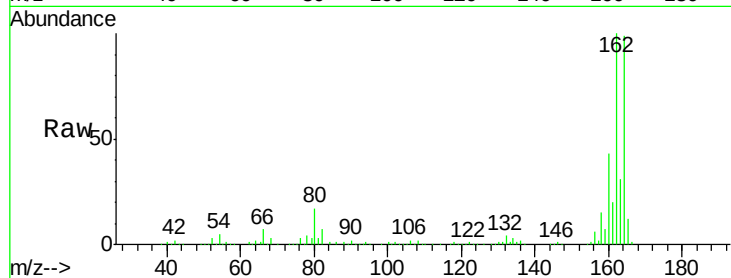
Ion Ratio Lower Upper

165 100

63 1.5 43.4 65.0#

89 1.4 70.6 106.0#

182 0.0 1.5 2.3#

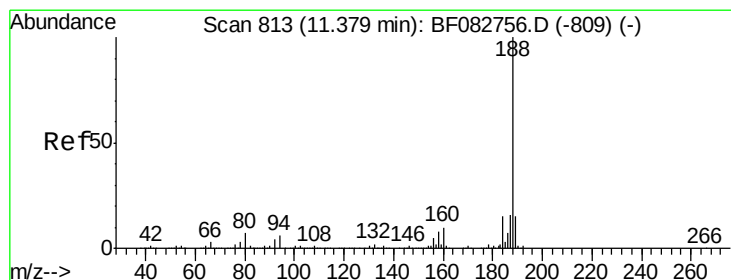
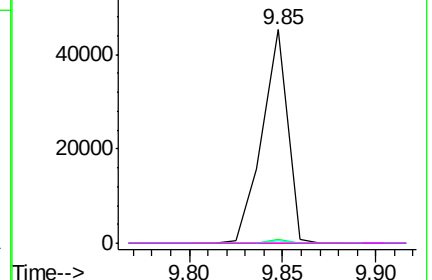
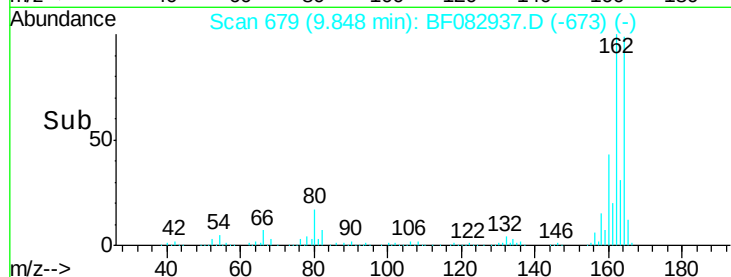


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.32 min Scan# 808

Delta R.T. -0.06 min

Lab File: BF082937.D

Acq: 14 Nov 2015 11:33

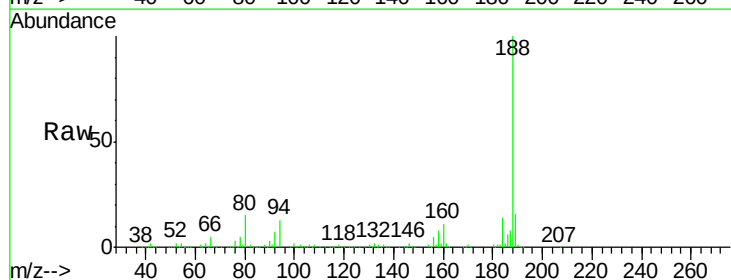
Tgt Ion:188 Resp: 552351

Ion Ratio Lower Upper

188 100

94 13.3 6.1 9.1#

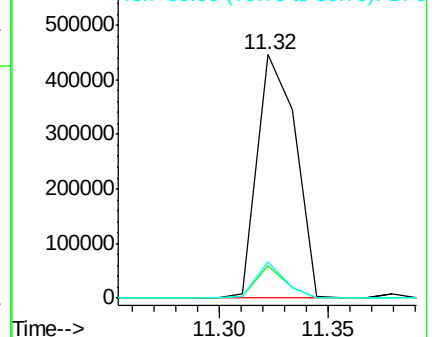
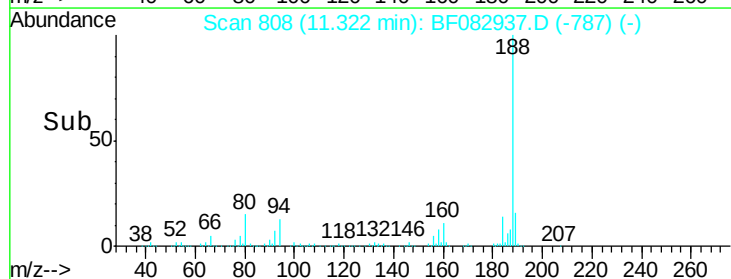
80 15.0 7.0 10.6#

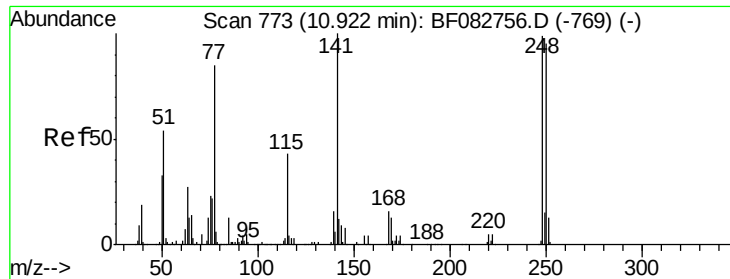


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

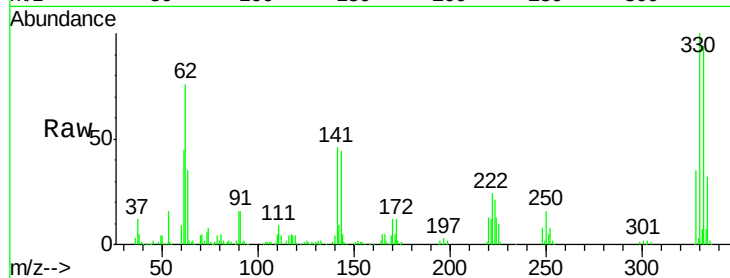




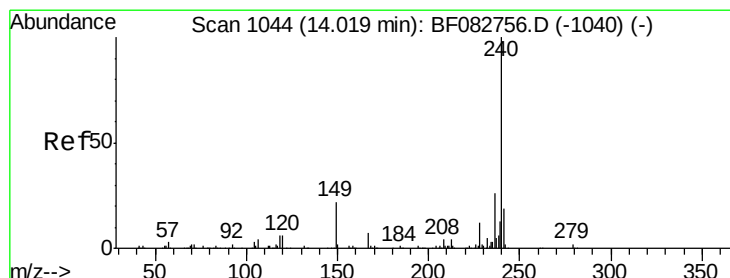
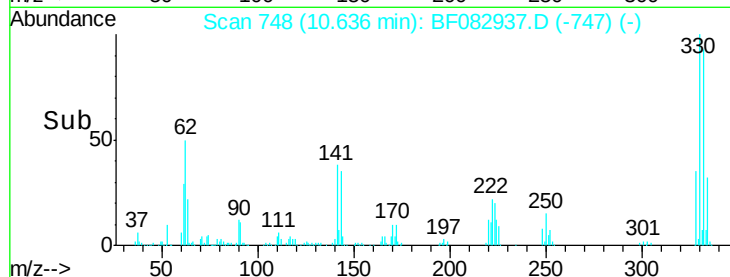
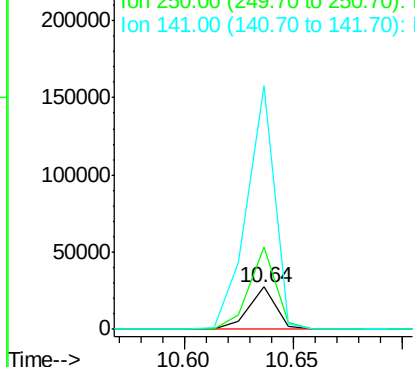
#66
4-Bromophenyl-phenylether
Concen: 3.59 ng
RT: 10.64 min Scan# 748
Delta R.T. -0.29 min
Lab File: BF082937.D
Acq: 14 Nov 2015 11:33

Instrument :
BNA_F
ClientSampleId :
PB86619TB

Tgt Ion:248 Resp: 23859
Ion Ratio Lower Upper
248 100
250 194.1 79.4 119.2#
141 571.4 36.3 54.5#

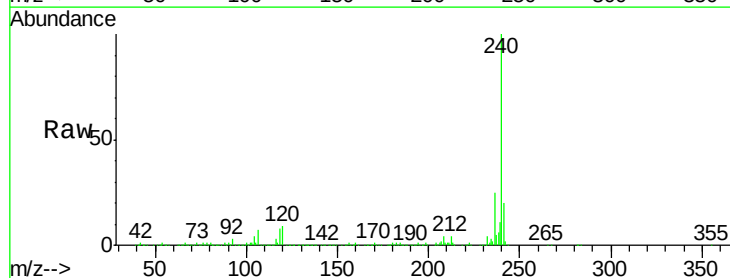


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

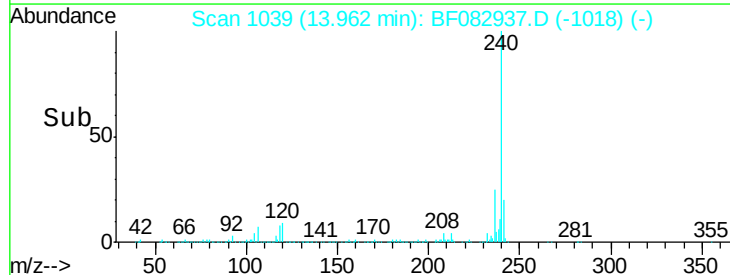
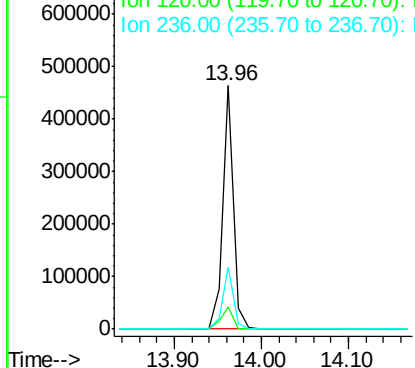


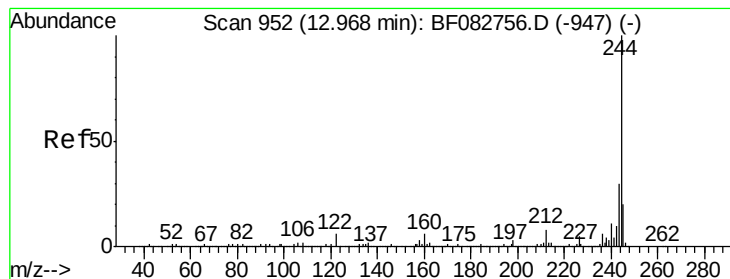
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.96 min Scan# 1039
Delta R.T. -0.06 min
Lab File: BF082937.D
Acq: 14 Nov 2015 11:33

Tgt Ion:240 Resp: 404945
Ion Ratio Lower Upper
240 100
120 9.1 10.9 16.3#
236 25.4 21.6 32.4



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: 88.73 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.04 min

Lab File: BF082937.D

Acq: 14 Nov 2015 11:33

Instrument :

BNA_F

ClientSampleId :

PB86619TB

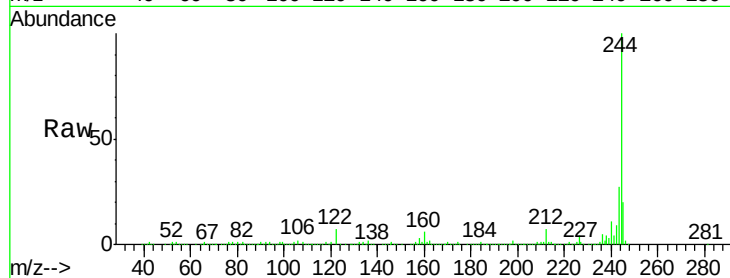
Tgt Ion:244 Resp: 1514942

Ion Ratio Lower Upper

244 100

212 7.3 7.6 11.4#

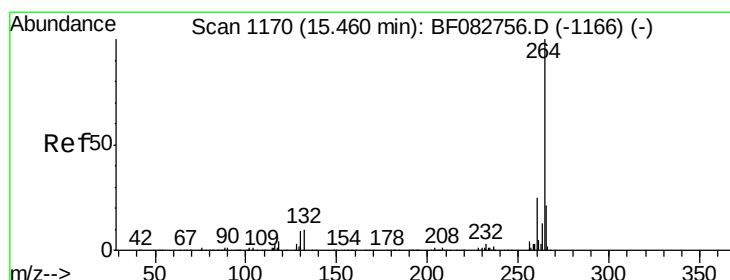
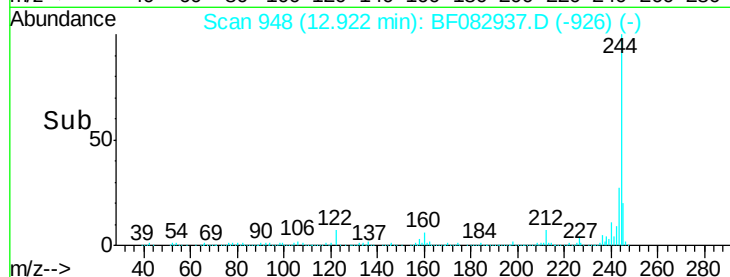
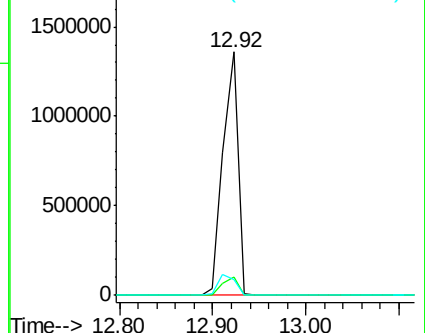
122 6.6 11.3 16.9#



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: 15.38 min Scan# 1163

Delta R.T. -0.08 min

Lab File: BF082937.D

Acq: 14 Nov 2015 11:33

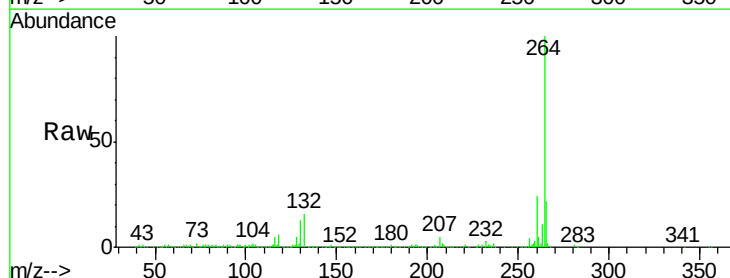
Tgt Ion:264 Resp: 379766

Ion Ratio Lower Upper

264 100

260 23.7 19.8 29.6

265 22.1 17.4 26.0



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

