

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110315\
 Data File : BF082659.D
 Acq On : 3 Nov 2015 14:28
 Operator : UM/IZ
 Sample : PB86403TB
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86403TB

Quant Time: Nov 04 03:11:59 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 03 12:27:47 2015
 Response via : Initial Calibration

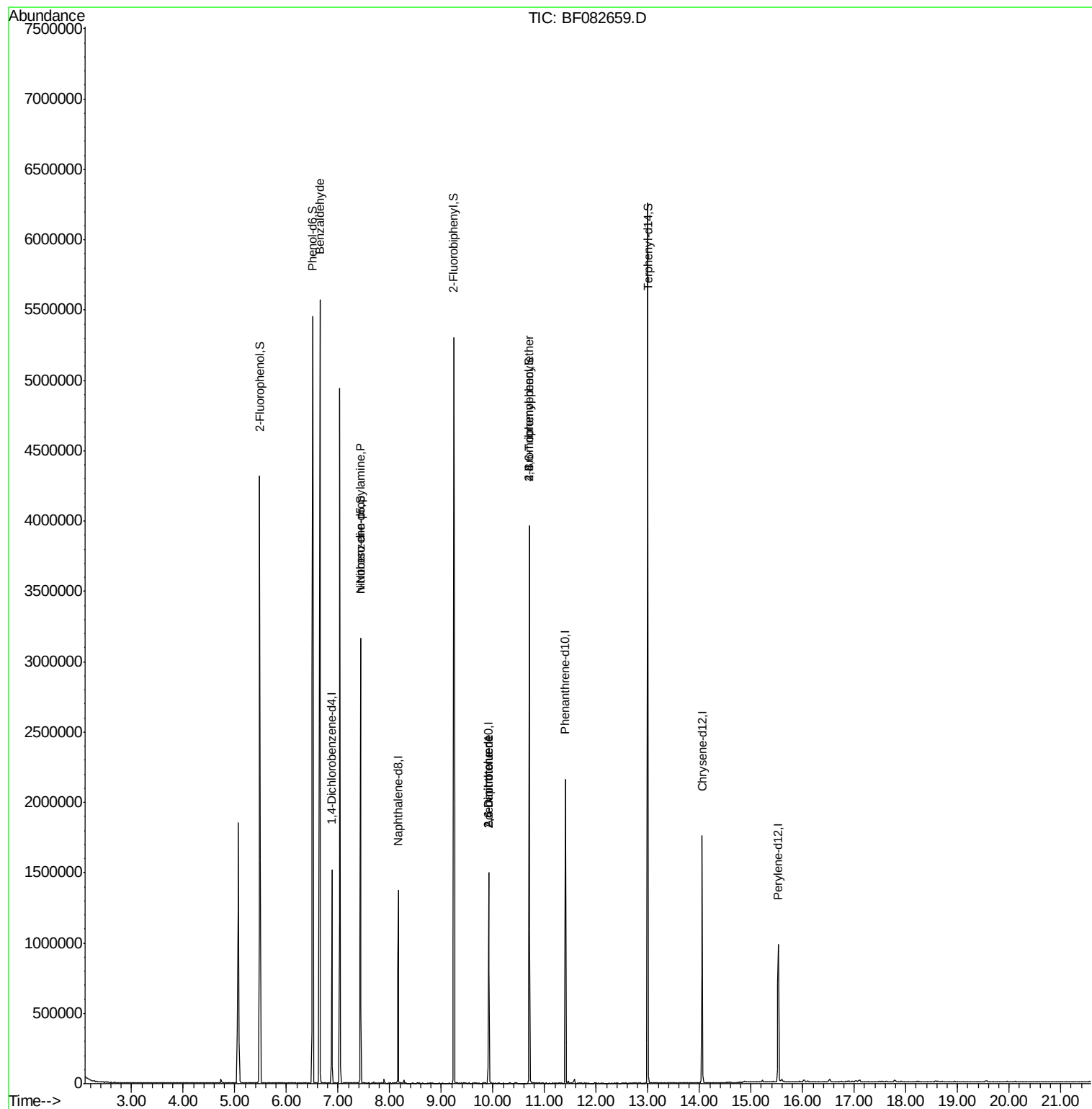
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	187038	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	716465	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	343142	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	708256	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	686492	20.00	ng	0.00
86) Perylene-d12	15.53	264	508396	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1289641	103.85	ng	0.01
7) Phenol-d6	6.51	99	1957680	118.66	ng	0.00
23) Nitrobenzene-d5	7.44	82	1116343	63.63	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	463870	123.52	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	1864193	77.13	ng	-0.01
78) Terphenyl-d14	13.00	244	2334705	74.43	ng	0.00
Target Compounds						
9) Benzaldehyde	6.65	77	42705	3.79	ng	Qvalue 90
19) n-Nitroso-di-n-propylamine	7.44	70	154093	12.32	ng	# 70
50) 2,6-Dinitrotoluene	9.92	165	44202	7.61	ng	# 17
56) 2,4-Dinitrotoluene	9.92	165	44204	5.63	ng	# 15
66) 4-Bromophenyl-phenylether	10.70	248	30015	3.74	ng	# 1

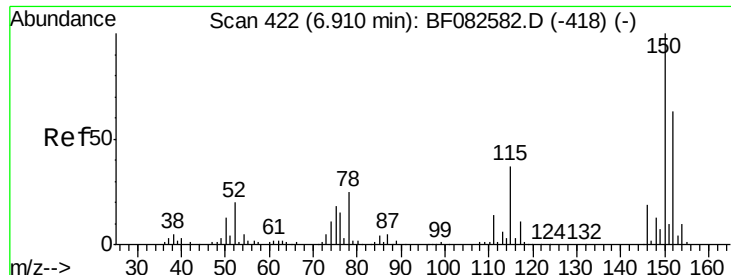
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 6 Sample Multiplier: 1

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BNA_F
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Quant Time: Nov 04 03:11:59 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 03 12:27:47 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 419

Delta R.T. 0.00 min

Lab File: BF082659.D

Acq: 3 Nov 2015 14:28

Instrument :

BNA_F

ClientSampleId :

PB86403TB

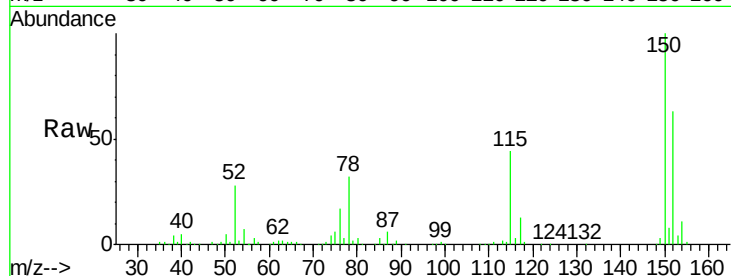
Tgt Ion:152 Resp: 187038

Ion Ratio Lower Upper

152 100

150 158.4 127.0 190.4

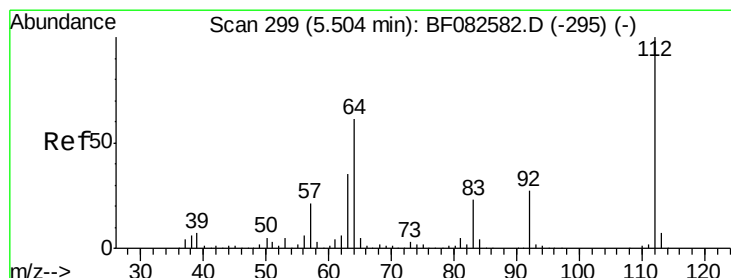
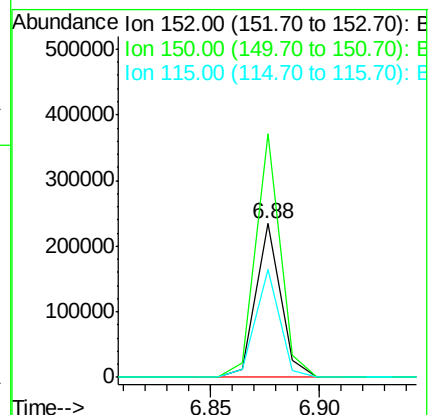
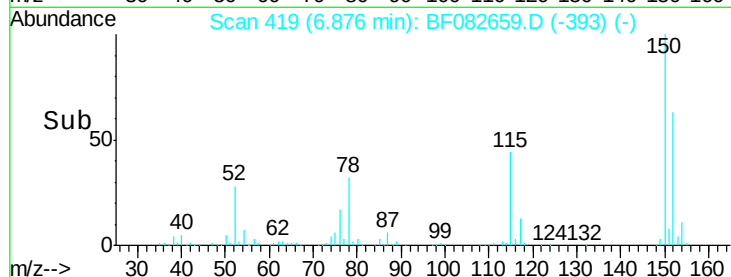
115 70.1 47.0 70.6



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: 103.85 ng

RT: 5.48 min Scan# 297

Delta R.T. 0.01 min

Lab File: BF082659.D

Acq: 3 Nov 2015 14:28

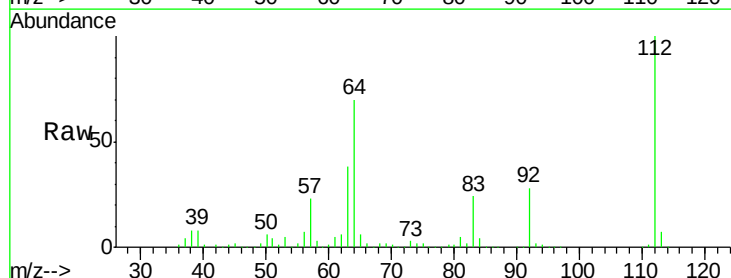
Tgt Ion:112 Resp: 1289641

Ion Ratio Lower Upper

112 100

64 70.0 48.9 73.3

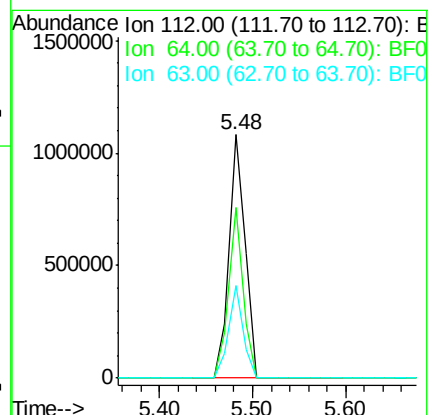
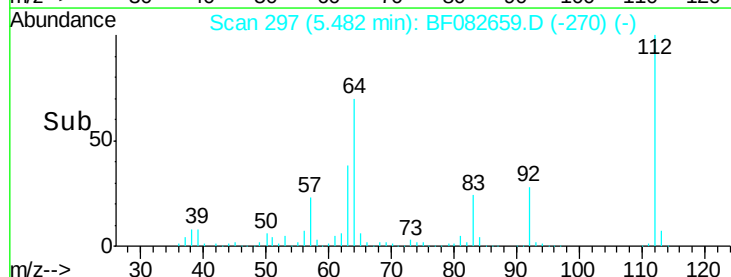
63 37.8 28.1 42.1

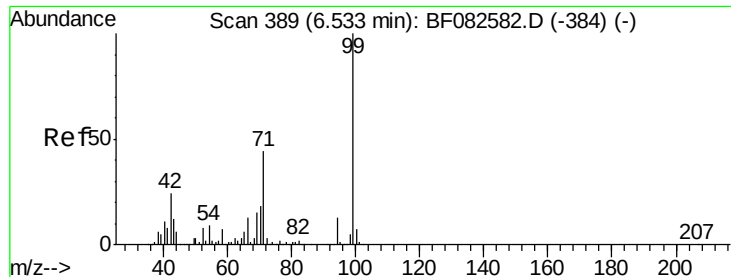


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.66 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF082659.D

Acq: 3 Nov 2015 14:28

Instrument :

BNA_F

ClientSampleId :

PB86403TB

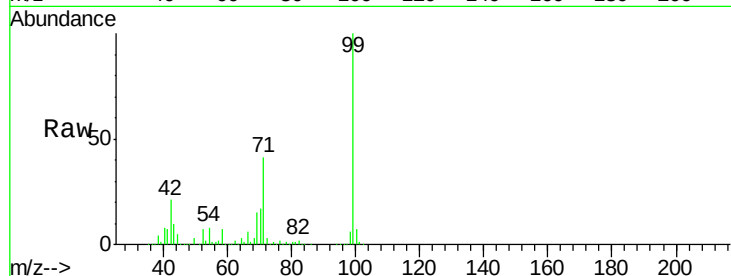
Tgt Ion: 99 Resp: 1957680

Ion Ratio Lower Upper

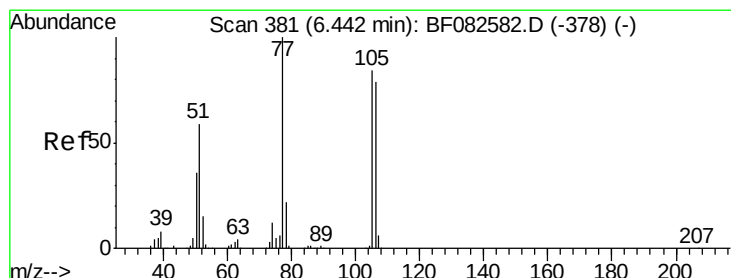
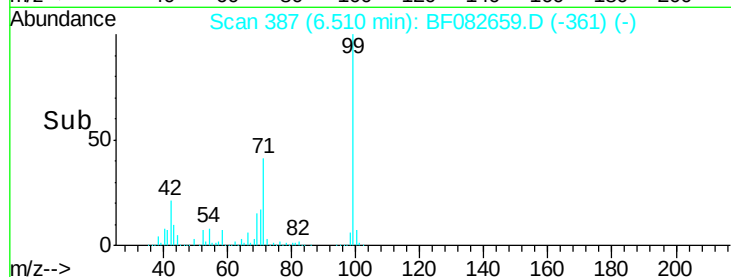
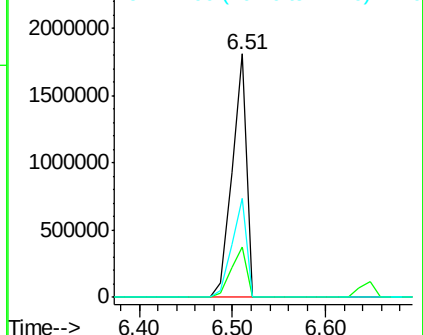
99 100

42 20.9 19.2 28.8

71 40.8 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: 3.79 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.23 min

Lab File: BF082659.D

Acq: 3 Nov 2015 14:28

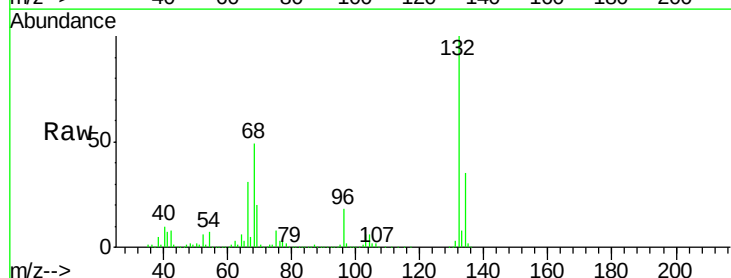
Tgt Ion: 77 Resp: 42705

Ion Ratio Lower Upper

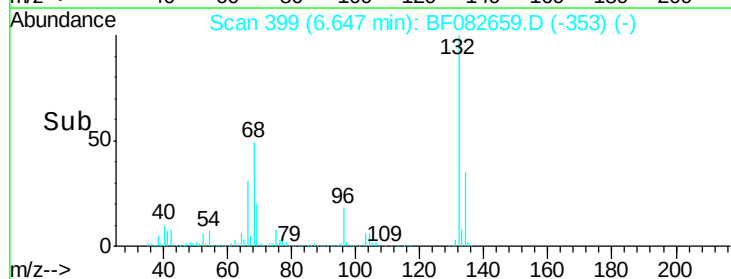
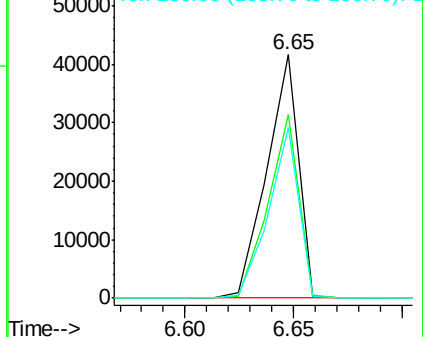
77 100

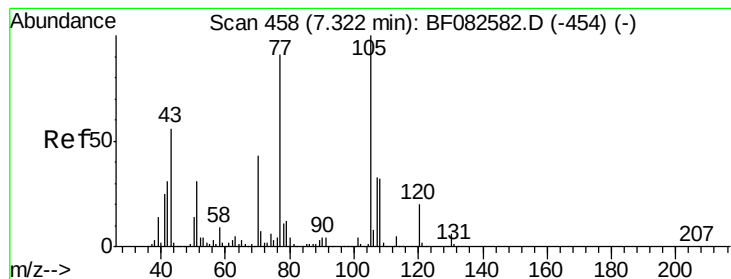
105 75.5 63.5 103.5

106 70.2 59.3 99.3



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





#19

n-Nitroso-di-n-propylamine

Concen: 12.32 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.14 min

Lab File: BF082659.D

Acq: 3 Nov 2015 14:28

Instrument :

BNA_F

ClientSampleId :

PB86403TB

Tgt Ion: 70 Resp: 154093

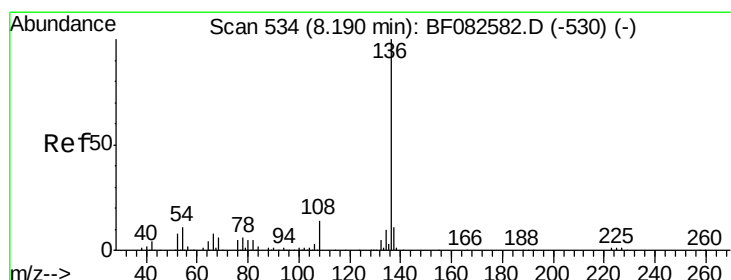
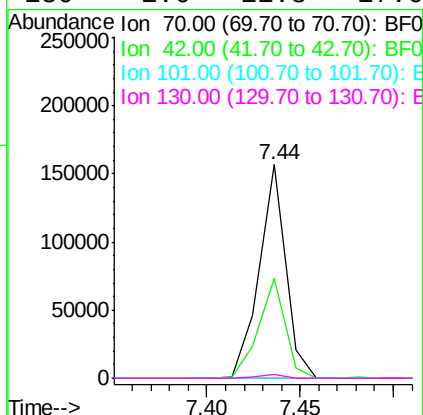
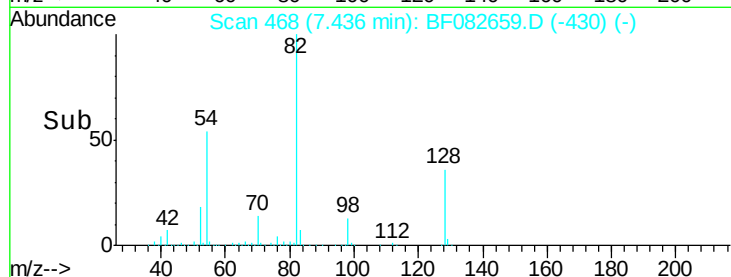
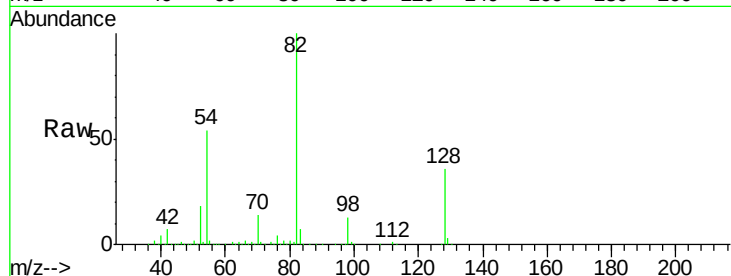
Ion Ratio Lower Upper

70 100

42 46.9 57.7 86.5#

101 0.0 7.0 10.6#

130 1.6 11.8 17.6#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 532

Delta R.T. 0.00 min

Lab File: BF082659.D

Acq: 3 Nov 2015 14:28

Tgt Ion: 136 Resp: 716465

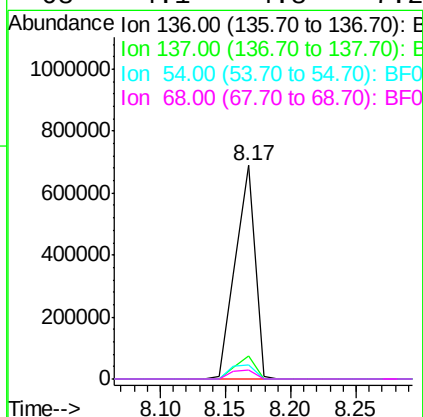
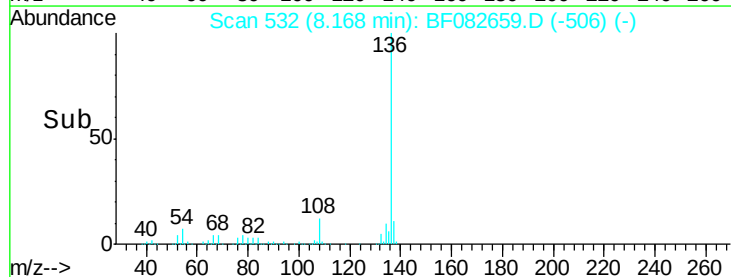
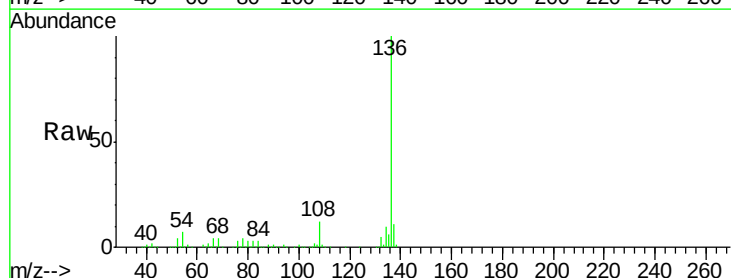
Ion Ratio Lower Upper

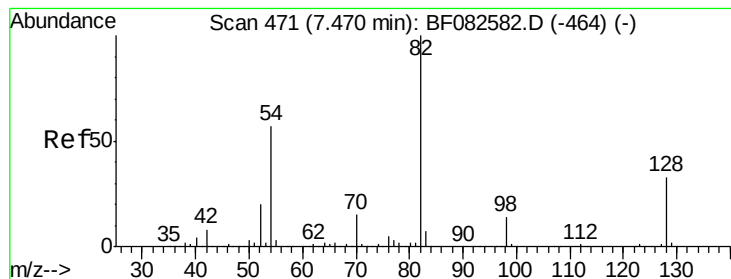
136 100

137 10.8 9.1 13.7

54 6.6 9.1 13.7#

68 4.1 4.8 7.2#





#23

Nitrobenzene-d5

Concen: 63.63 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.01 min

Lab File: BF082659.D

Acq: 3 Nov 2015 14:28

Instrument :

BNA_F

ClientSampleId :

PB86403TB

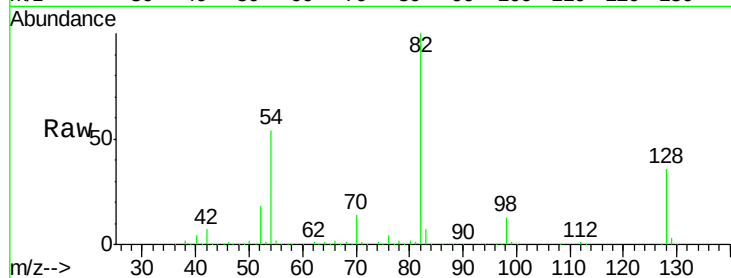
Tgt Ion: 82 Resp: 1116343

Ion Ratio Lower Upper

82 100

128 35.9 26.8 40.2

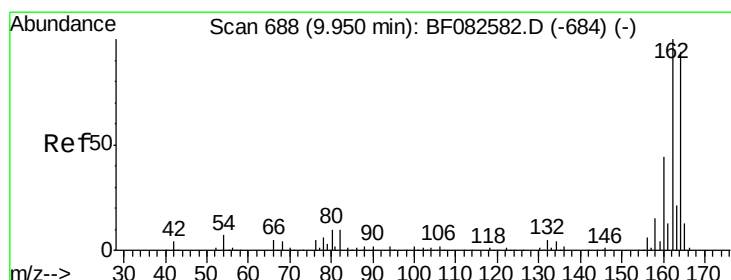
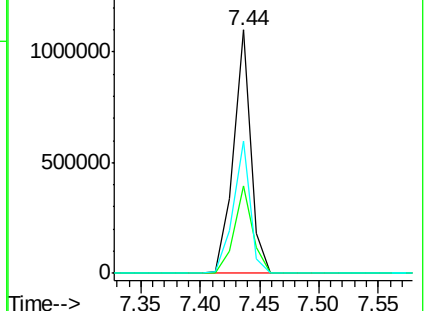
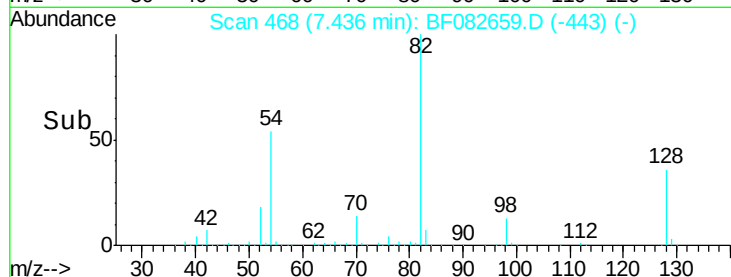
54 54.5 45.7 68.5



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF082659.D

Acq: 3 Nov 2015 14:28

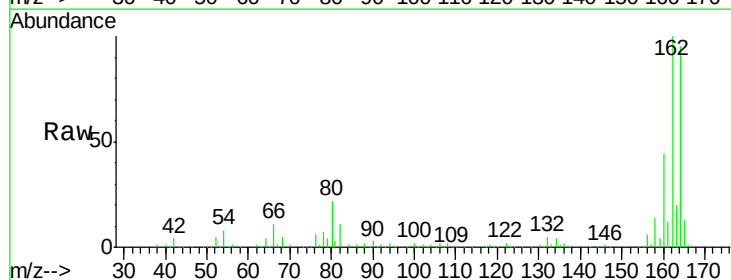
Tgt Ion: 164 Resp: 343142

Ion Ratio Lower Upper

164 100

162 105.0 84.9 127.3

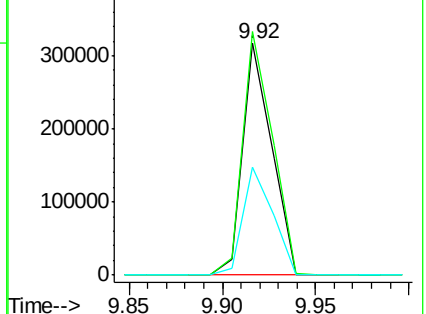
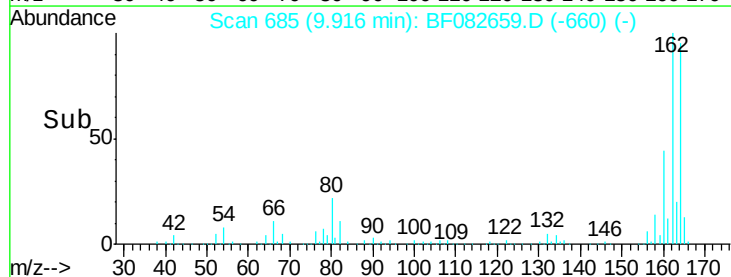
160 46.4 37.5 56.3

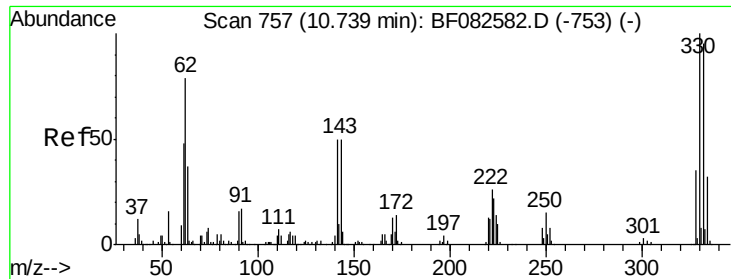


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

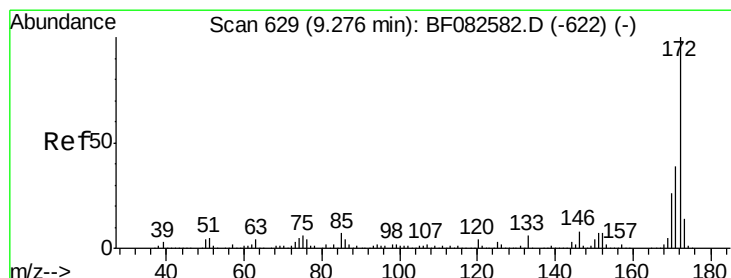
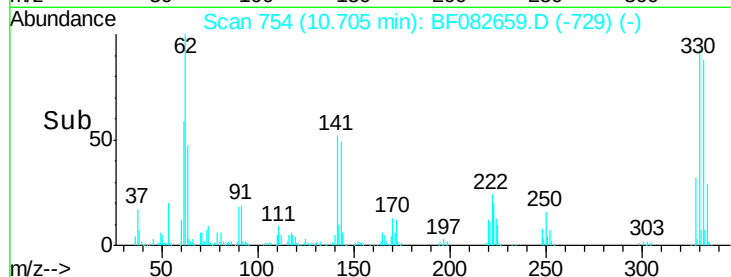
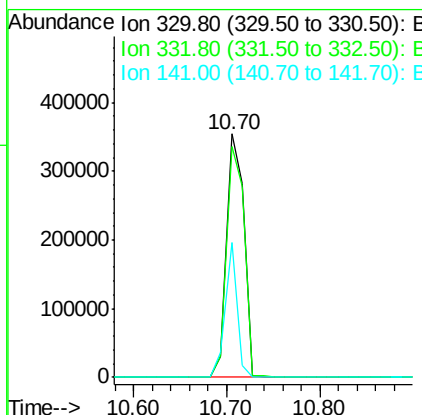
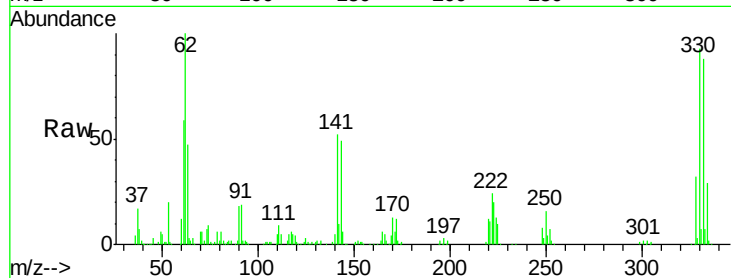




#41
 2,4,6-Tribromophenol
 Concen: 123.52 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: BF082659.D
 Acq: 3 Nov 2015 14:28

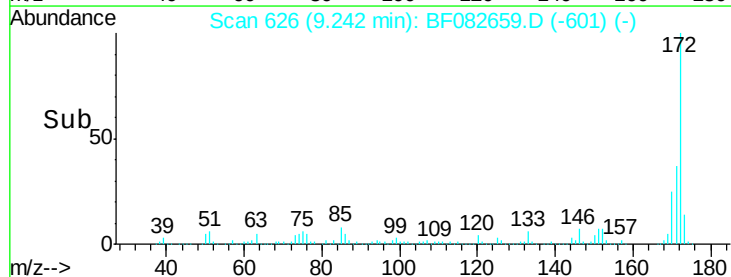
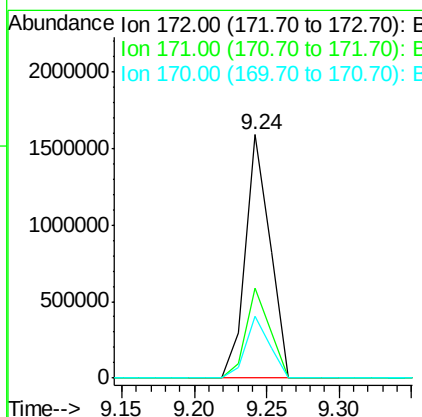
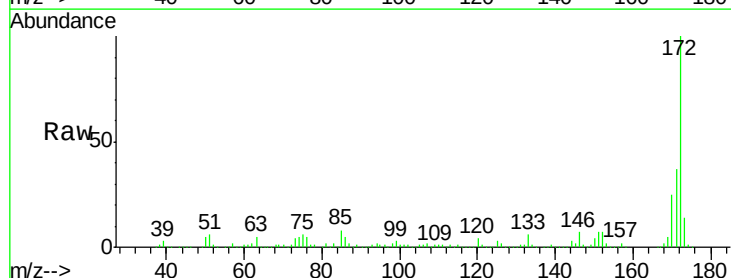
Instrument :
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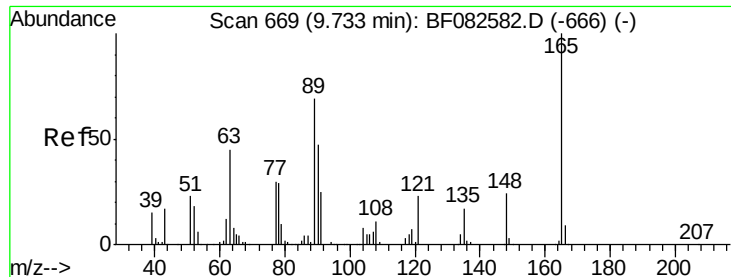
Tgt Ion:330 Resp: 463870
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.6 114.8
 141 37.4 41.2 61.8#



#44
 2-Fluorobiphenyl
 Concen: 77.13 ng
 RT: 9.24 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: BF082659.D
 Acq: 3 Nov 2015 14:28

Tgt Ion:172 Resp: 1864193
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.8 46.2
 170 25.5 21.2 31.8

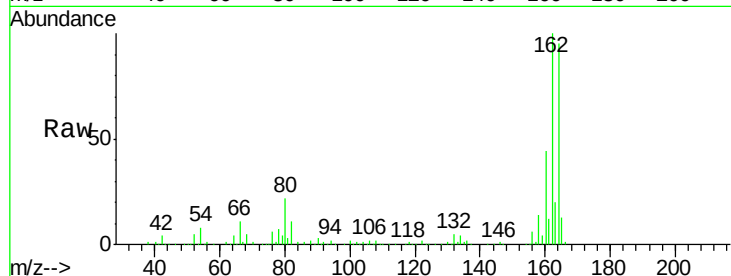




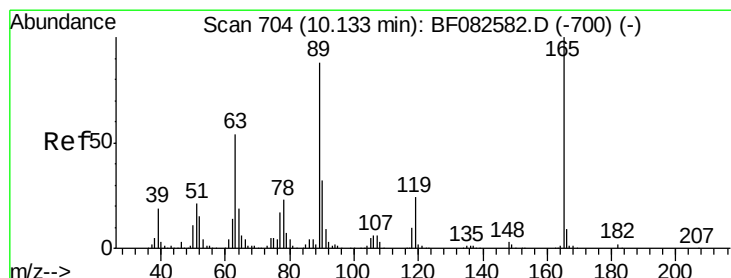
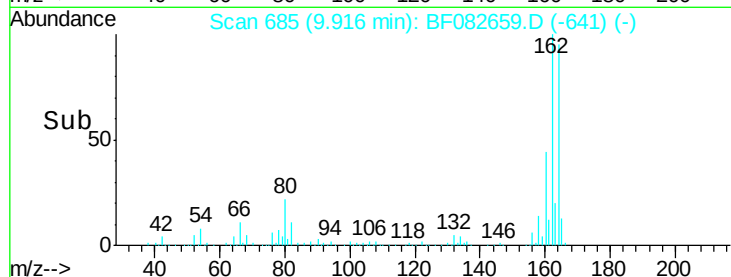
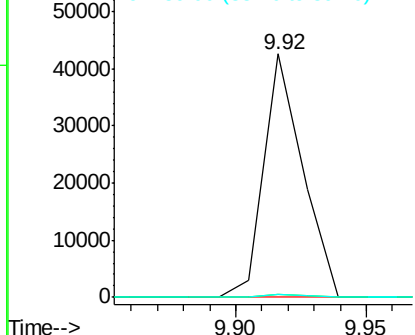
#50
 2,6-Dinitrotoluene
 Concen: 7.61 ng
 RT: 9.92 min Scan# 685
 Delta R.T. 0.21 min
 Lab File: BF082659.D
 Acq: 3 Nov 2015 14:28

Instrument :
 BNA_F
 ClientSampled :
 PB86403TB

Tgt Ion:165 Resp: 44202
 Ion Ratio Lower Upper
 165 100
 63 1.3 55.5 83.3#
 89 1.3 55.0 82.6#

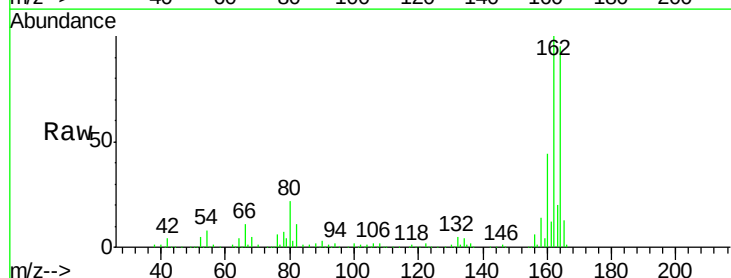


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

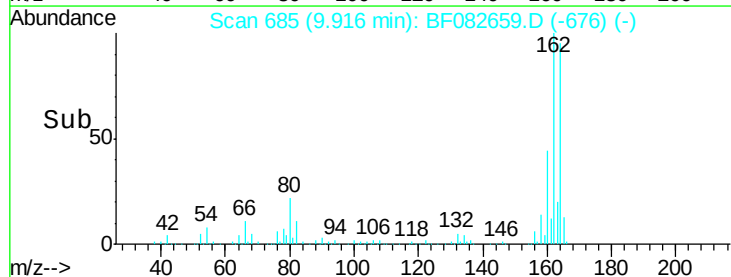
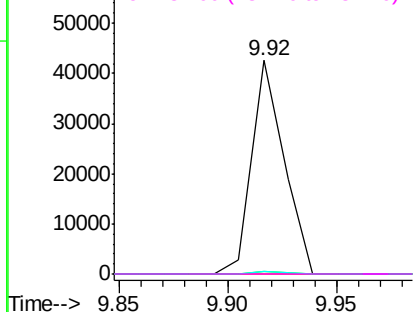


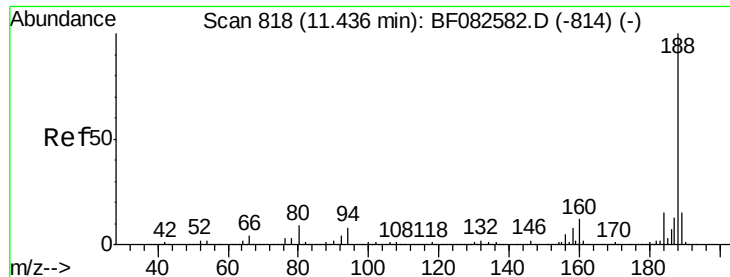
#56
 2,4-Dinitrotoluene
 Concen: 5.63 ng
 RT: 9.92 min Scan# 685
 Delta R.T. -0.19 min
 Lab File: BF082659.D
 Acq: 3 Nov 2015 14:28

Tgt Ion:165 Resp: 44204
 Ion Ratio Lower Upper
 165 100
 63 1.3 43.4 65.0#
 89 1.3 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

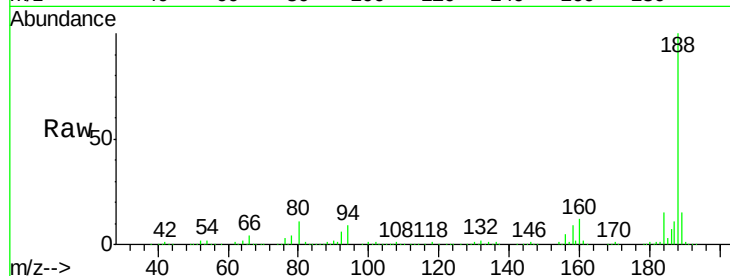




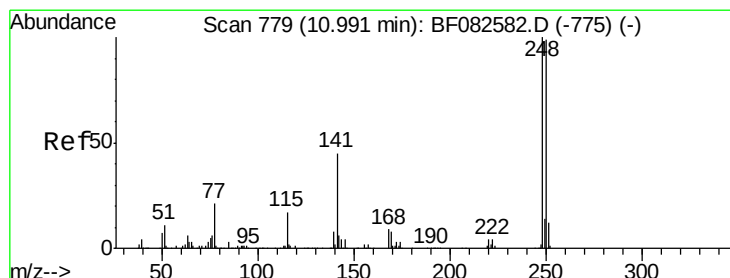
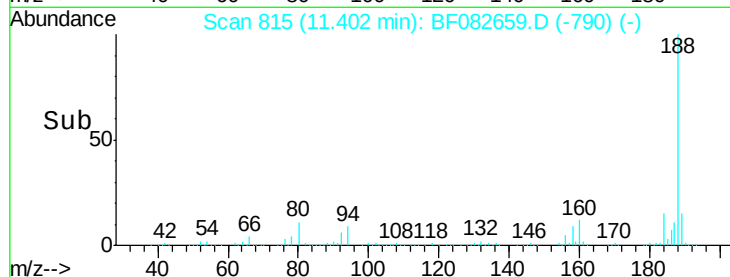
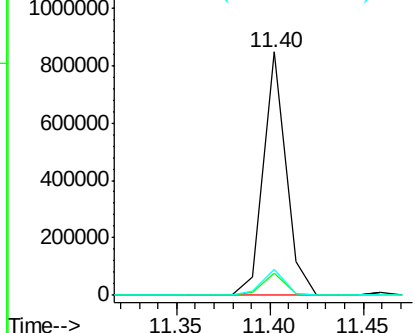
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF082659.D
 Acq: 3 Nov 2015 14:28

Instrument :
 BNA_F
 ClientSampleId :
 PB86403TB

Tgt Ion:188 Resp: 708256
 Ion Ratio Lower Upper
 188 100
 94 9.2 6.1 9.1#
 80 10.7 7.0 10.6#

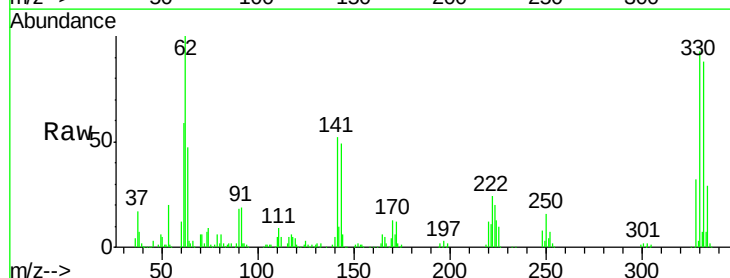


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

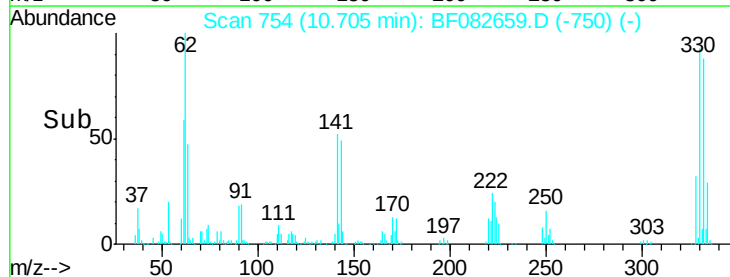
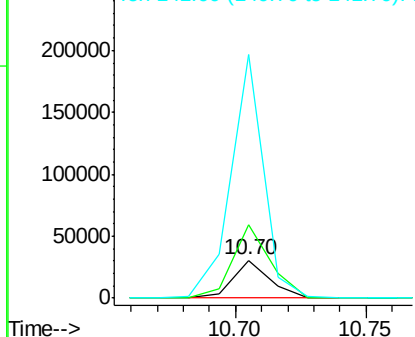


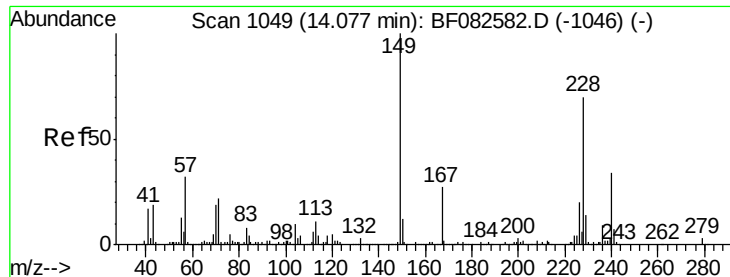
#66
 4-Bromophenyl-phenylether
 Concen: 3.74 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.25 min
 Lab File: BF082659.D
 Acq: 3 Nov 2015 14:28

Tgt Ion:248 Resp: 30015
 Ion Ratio Lower Upper
 248 100
 250 195.3 79.4 119.2#
 141 644.4 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: 14.05 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BF082659.D

Acq: 3 Nov 2015 14:28

Instrument :

BNA_F

ClientSampleId :

PB86403TB

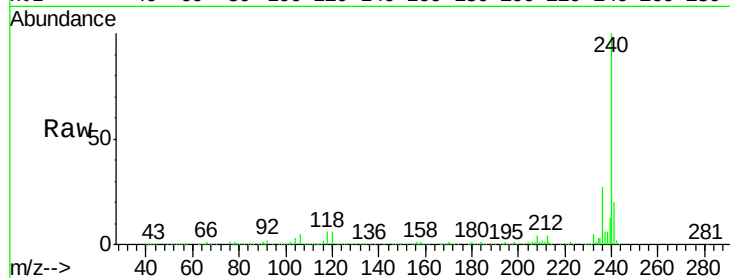
Tgt Ion:240 Resp: 686492

Ion Ratio Lower Upper

240 100

120 6.4 10.9 16.3#

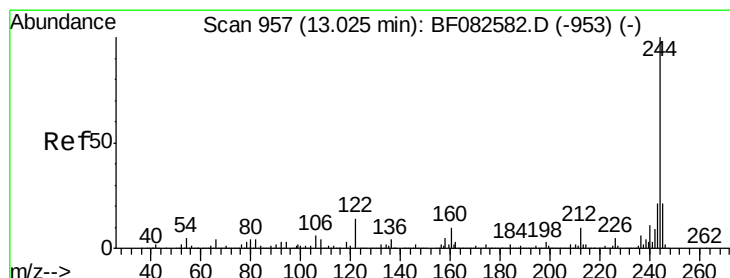
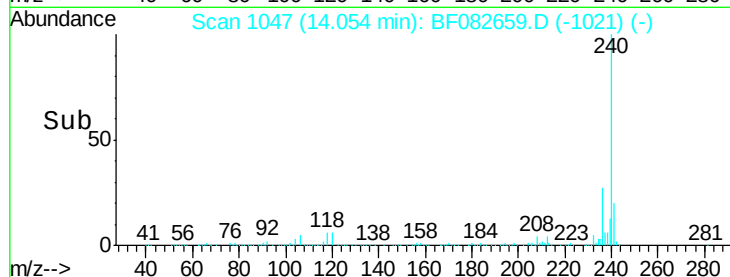
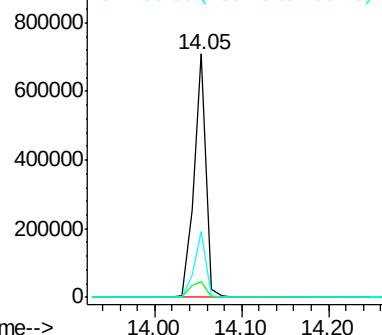
236 26.8 21.6 32.4



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: 74.43 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF082659.D

Acq: 3 Nov 2015 14:28

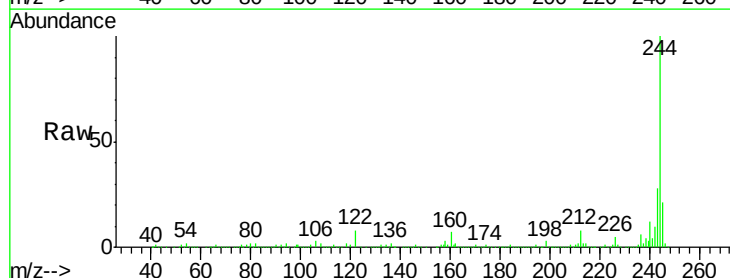
Tgt Ion:244 Resp: 2334705

Ion Ratio Lower Upper

244 100

212 8.2 7.6 11.4

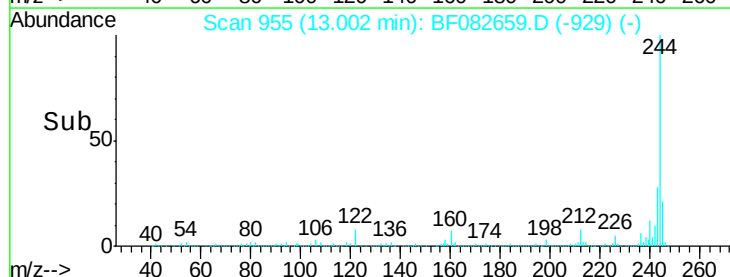
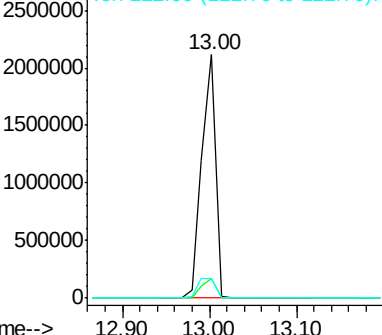
122 8.2 11.3 16.9#

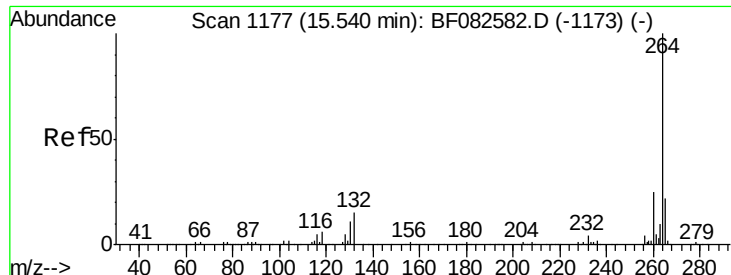


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

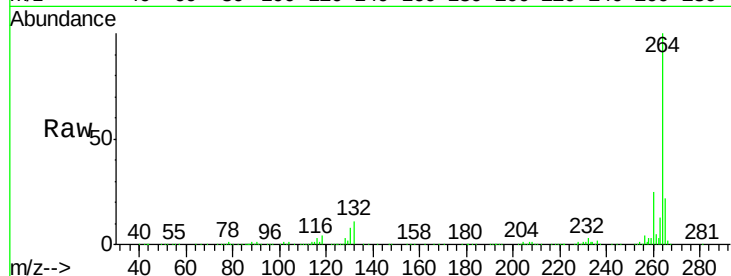




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 1176
Delta R.T. 0.02 min
Lab File: BF082659.D
Acq: 3 Nov 2015 14:28

Instrument :
BNA_F
ClientSampleId :
PB86403TB

Tgt Ion: 264 Resp: 508396
Ion Ratio Lower Upper
264 100
260 25.0 19.8 29.6
265 21.6 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

