

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082615\
 Data File : BF081228.D
 Acq On : 26 Aug 2015 23:21
 Operator : UM/IZ
 Sample : G3385-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 27 00:45:23 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 24 13:58:19 2015
 Response via : Initial Calibration

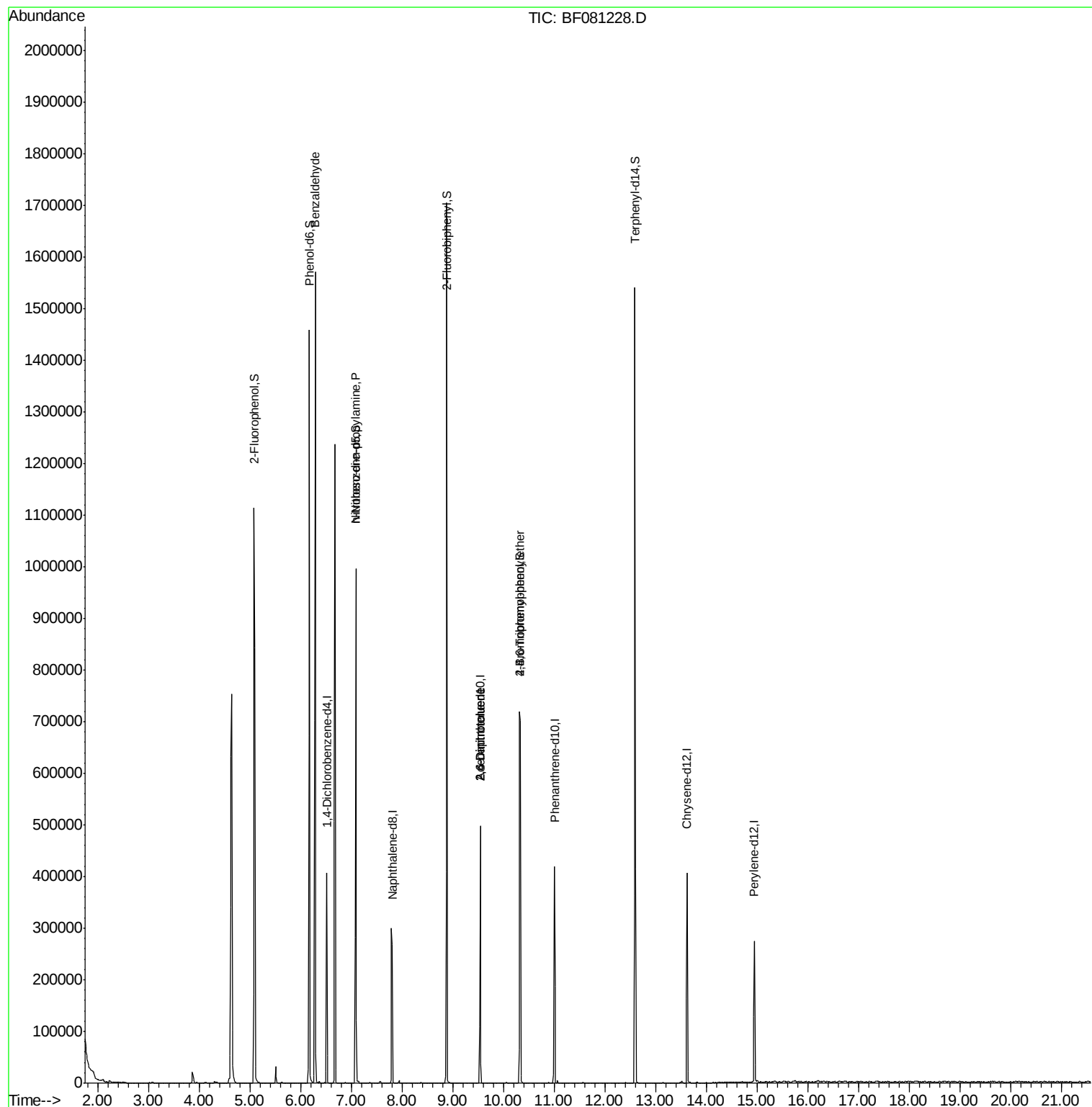
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	52938	20.00	ng	-0.02
21) Naphthalene-d8	7.81	136	191675	20.00	ng	-0.02
38) Acenaphthene-d10	9.54	164	94188	20.00	ng	-0.04
63) Phenanthrene-d10	11.01	188	171590	20.00	ng	-0.04
75) Chrysene-d12	13.62	240	151452	20.00	ng	-0.04
86) Perylene-d12	14.95	264	113553	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	393186	111.71	ng	-0.01
7) Phenol-d6	6.17	99	517566	112.71	ng	-0.02
23) Nitrobenzene-d5	7.09	82	323856	77.18	ng	-0.04
41) 2,4,6-Tribromophenol	10.33	330	112910	138.29	ng	-0.02
44) 2-Fluorobiphenyl	8.88	172	525574	73.11	ng	-0.02
78) Terphenyl-d14	12.59	244	507413	71.82	ng	-0.04
Target Compounds						
9) Benzaldehyde	6.29	77	10991	3.71	ng	Qvalue 83
19) n-Nitroso-di-n-propylamine	7.09	70	43704	13.74	ng	# 71
50) 2,6-Dinitrotoluene	9.54	165	12318	7.40	ng	# 20
56) 2,4-Dinitrotoluene	9.54	165	12318	5.58	ng	# 16
66) 4-Bromophenyl-phenylether	10.33	248	8051	4.78	ng	# 1

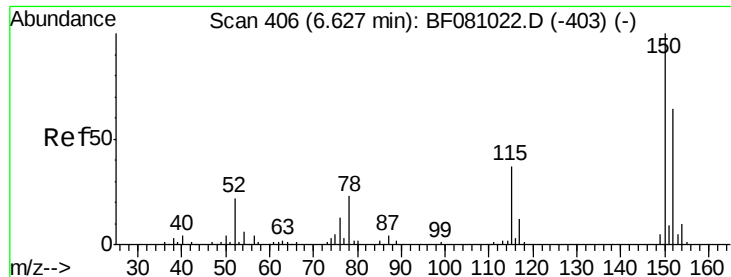
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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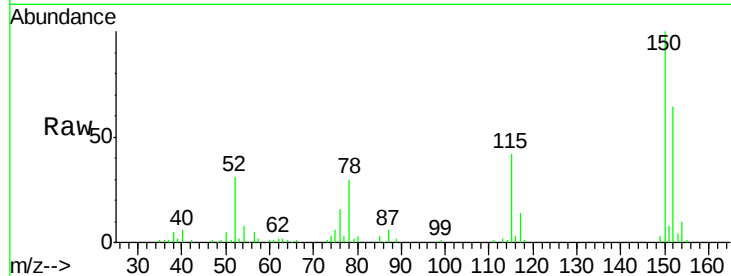


#1

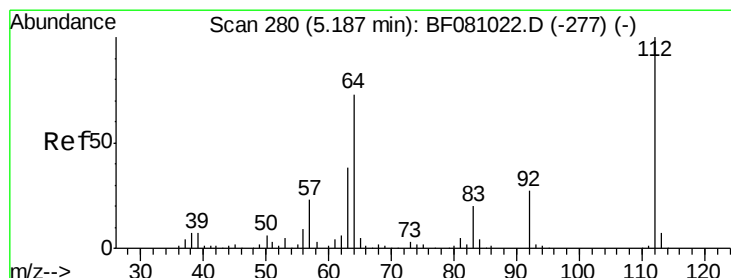
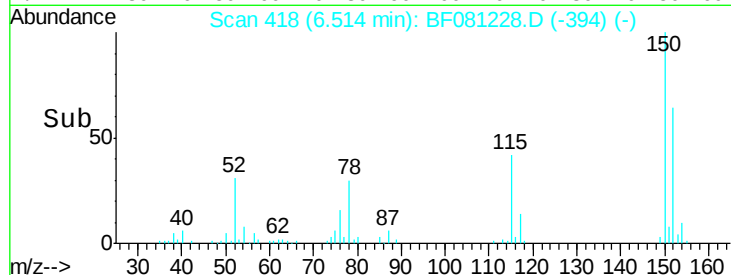
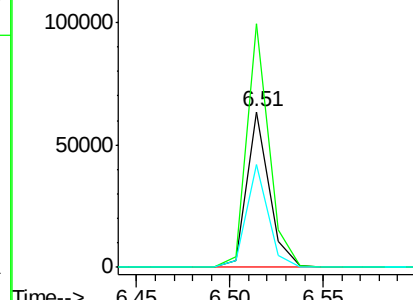
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.51 min Scan# 418
Delta R.T. -0.02 min
Lab File: BF081228.D
Acq: 26 Aug 2015 23:21

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	123.8	185.6
115	66.1	52.1	78.1



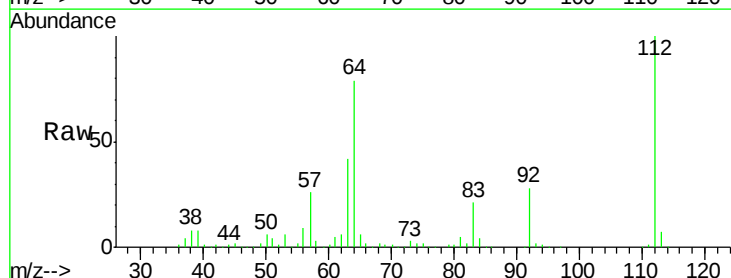
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



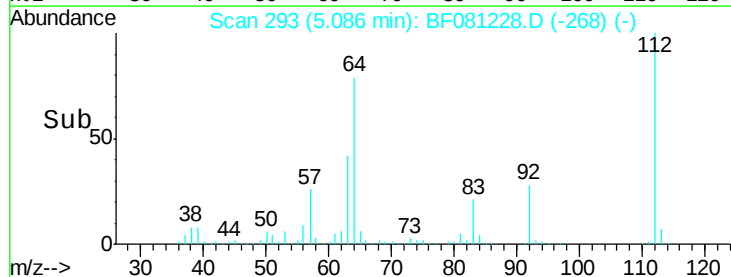
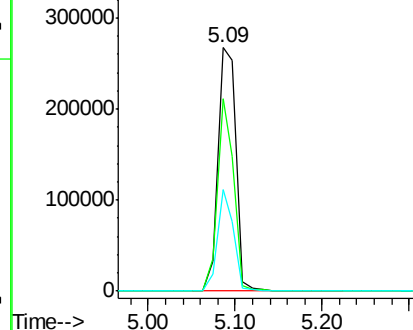
#5

2-Fluorophenol
Concen: 111.71 ng
RT: 5.09 min Scan# 293
Delta R.T. -0.01 min
Lab File: BF081228.D
Acq: 26 Aug 2015 23:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	79.1	66.9	100.3
63	41.8	38.1	57.1



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: 112.71 ng

RT: 6.17 min Scan# 388

Delta R.T. -0.02 min

Lab File: BF081228.D

Acq: 26 Aug 2015 23:21

Instrument :

BNA_F

ClientSampleId :

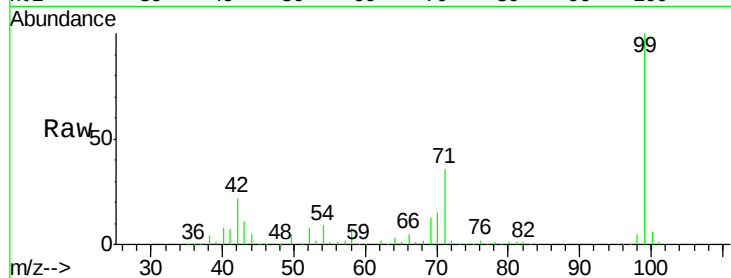
Tot Ion: 99 Resp: 517566

Ion Ratio Lower Upper

99 100

42 21.6 19.6 29.4

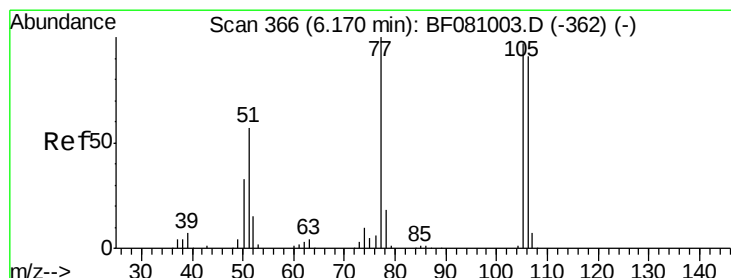
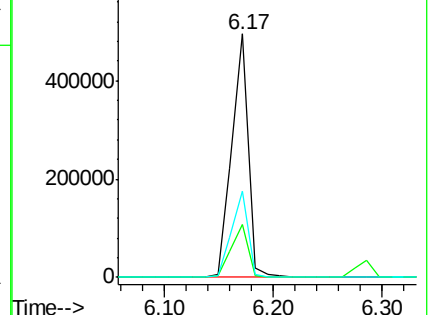
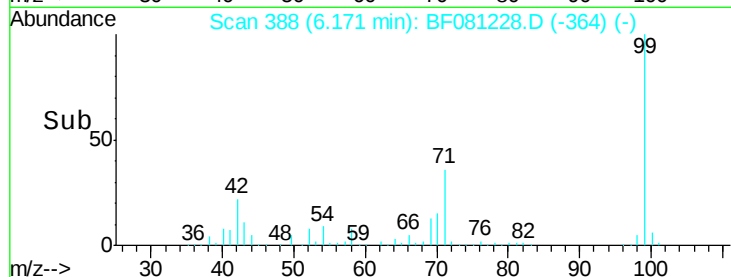
71 35.5 31.2 46.8



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: 3.71 ng

RT: 6.29 min Scan# 398

Delta R.T. 0.20 min

Lab File: BF081228.D

Acq: 26 Aug 2015 23:21

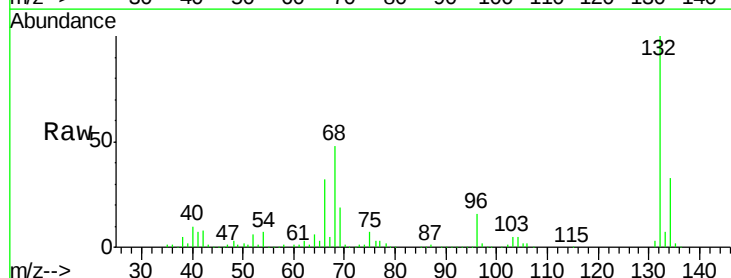
Tgt Ion: 77 Resp: 10991

Ion Ratio Lower Upper

77 100

105 76.4 69.6 109.6

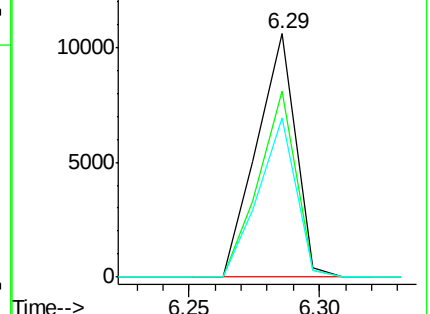
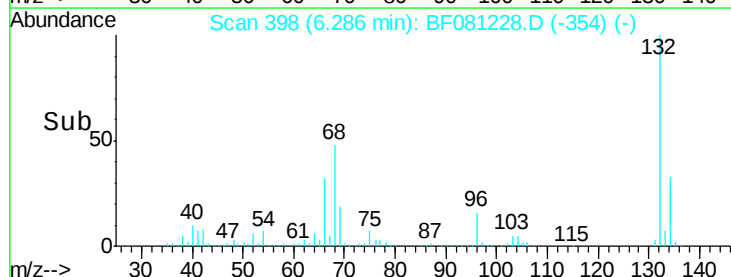
106 65.3 64.0 104.0

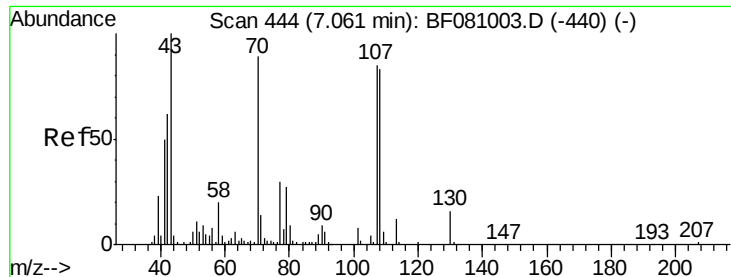


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 13.74 ng

RT: 7.09 min Scan# 468

Delta R.T. 0.10 min

Lab File: BF081228.D

Acq: 26 Aug 2015 23:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 43704

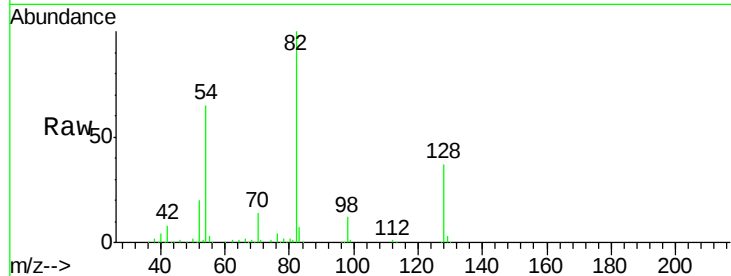
Ion Ratio Lower Upper

70 100

42 55.5 65.0 97.4#

101 0.0 7.4 11.2#

130 1.5 13.0 19.4#

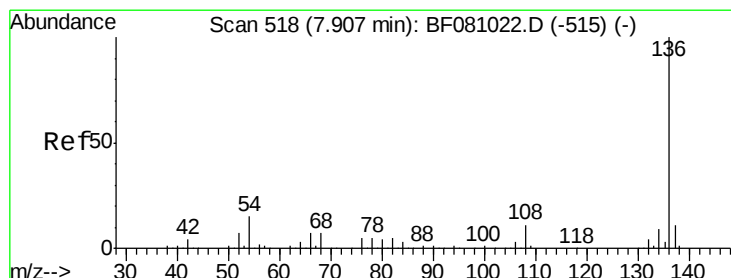
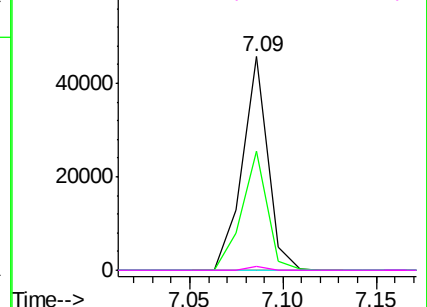
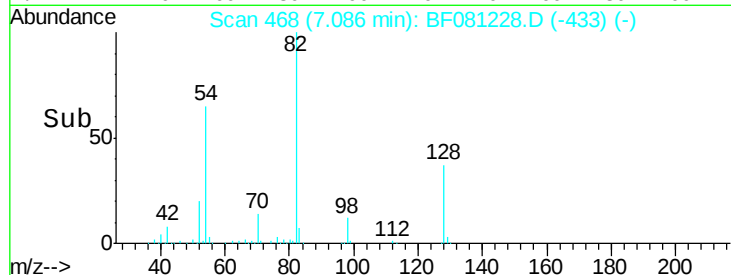


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.81 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF081228.D

Acq: 26 Aug 2015 23:21

Tgt Ion: 136 Resp: 191675

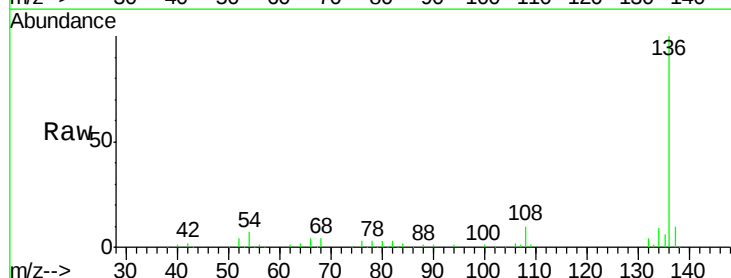
Ion Ratio Lower Upper

136 100

137 10.4 8.2 12.2

54 7.2 7.7 11.5#

68 4.1 3.4 5.2

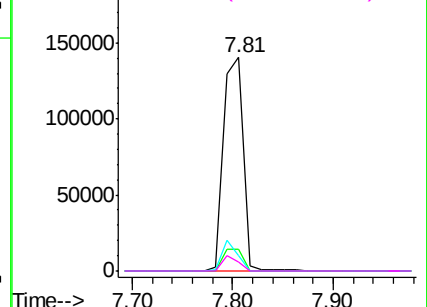
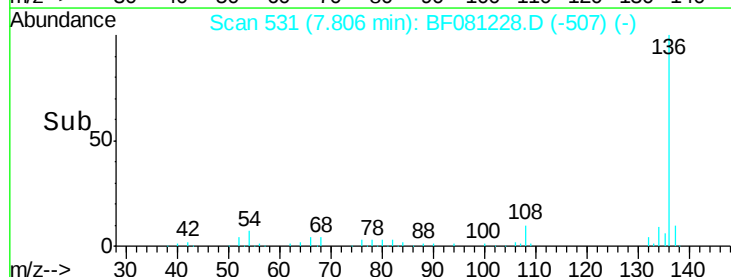


Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

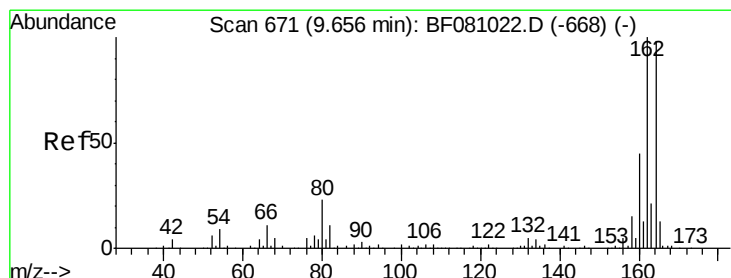
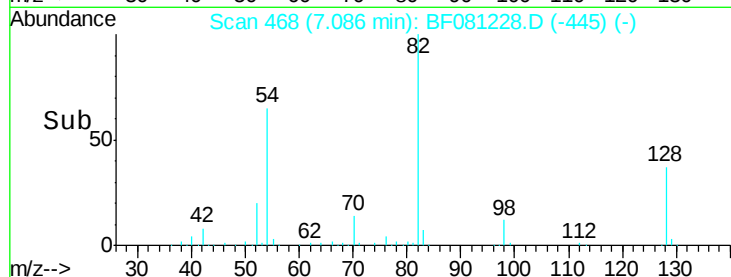
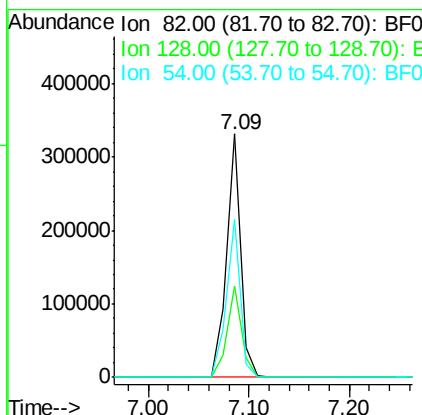
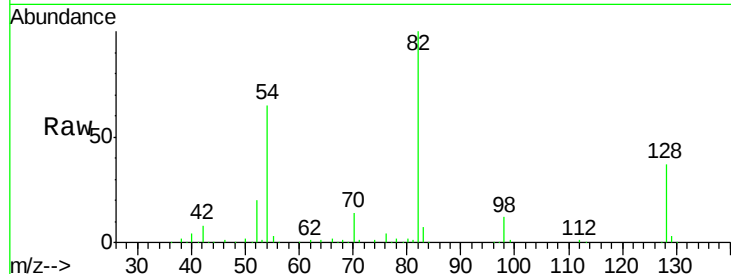




#23
 Nitrobenzene-d5
 Concen: 77.18 ng
 RT: 7.09 min Scan# 468
 Delta R.T. -0.04 min
 Lab File: BF081228.D
 Acq: 26 Aug 2015 23:21

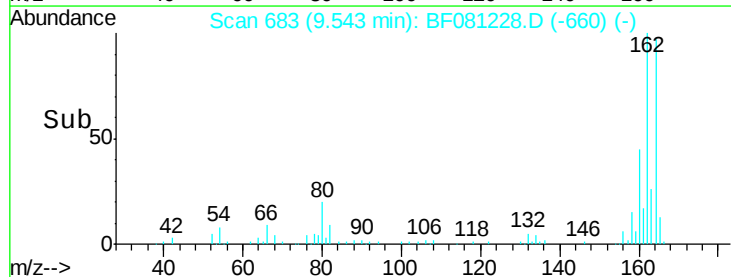
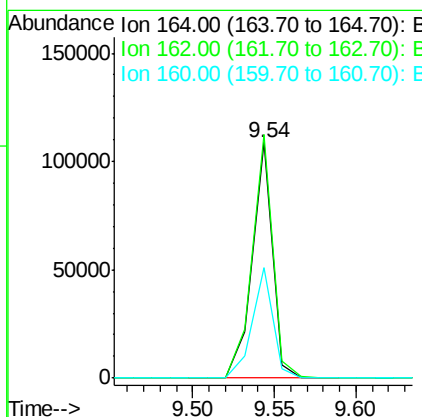
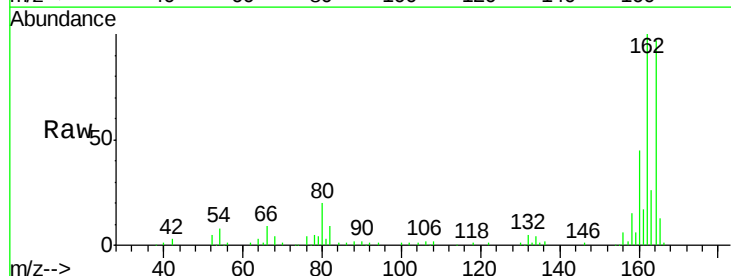
Instrument :
 BNA_F
 ClientSampleId :

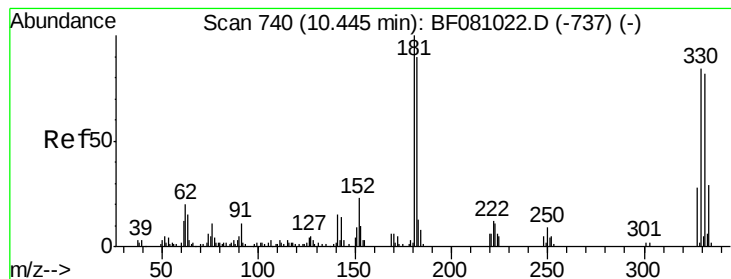
Tot Ion	82	Resp	323856
Ion Ratio	Lower	Upper	
82	100		
128	37.3	28.6	42.8
54	64.9	55.1	82.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.54 min Scan# 683
 Delta R.T. -0.04 min
 Lab File: BF081228.D
 Acq: 26 Aug 2015 23:21

Tgt Ion	164	Resp	94188
Ion Ratio	Lower	Upper	
164	100		
162	103.4	83.8	125.8
160	46.7	39.8	59.8





#41

2,4,6-Tribromophenol

Concen: 138.29 ng

RT: 10.33 min Scan# 752

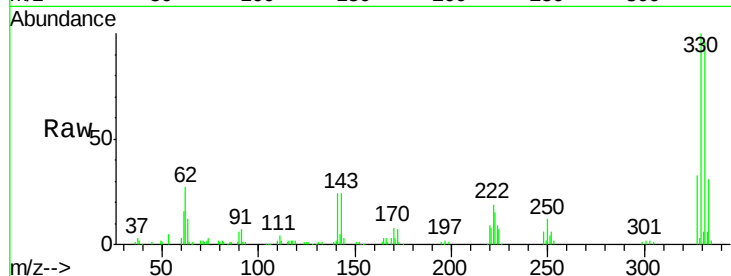
Delta R.T. -0.02 min

Lab File: BF081228.D

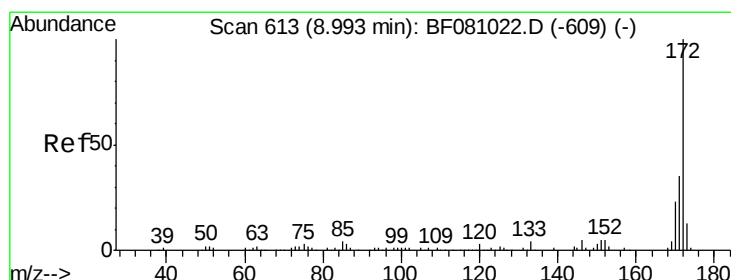
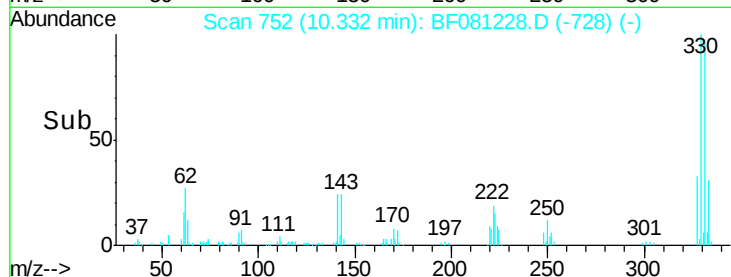
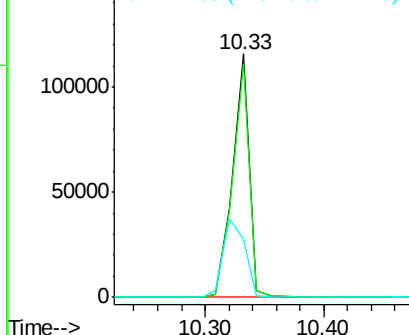
Acq: 26 Aug 2015 23:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:330 Resp: 112910
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 42.1 44.9 67.3#



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: 73.11 ng

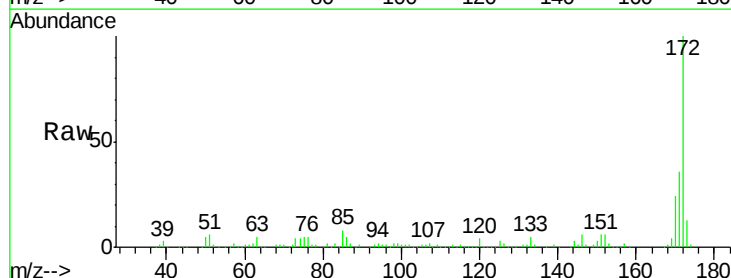
RT: 8.88 min Scan# 625

Delta R.T. -0.02 min

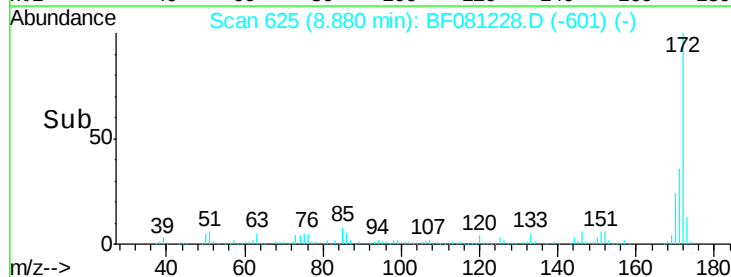
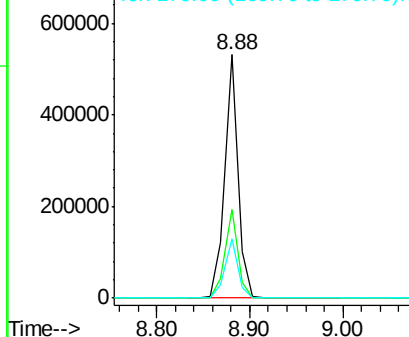
Lab File: BF081228.D

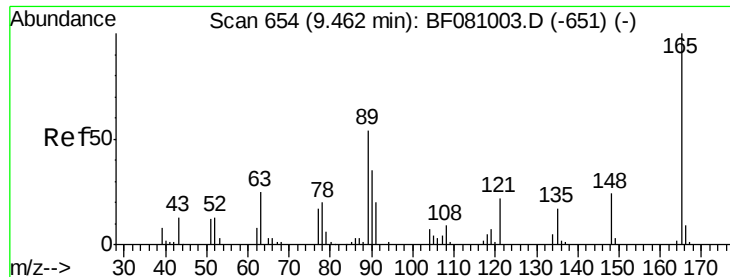
Acq: 26 Aug 2015 23:21

Tgt Ion:172 Resp: 525574
Ion Ratio Lower Upper
172 100
171 36.3 28.9 43.3
170 24.1 19.4 29.2



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

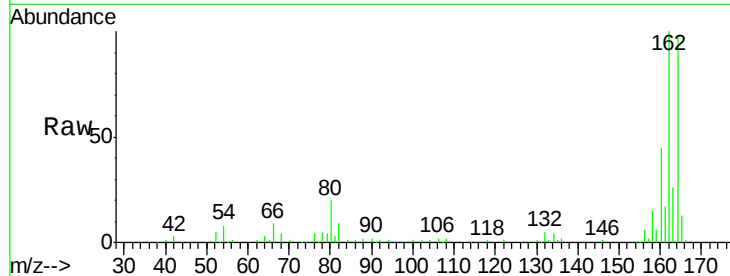




#50
 2,6-Dinitrotoluene
 Concen: 7.40 ng
 RT: 9.54 min Scan# 683
 Delta R.T. 0.17 min
 Lab File: BF081228.D
 Acq: 26 Aug 2015 23:21

Instrument :
 BNA_F
 ClientSampleId :

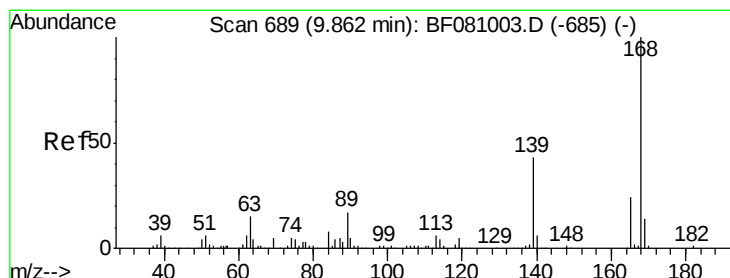
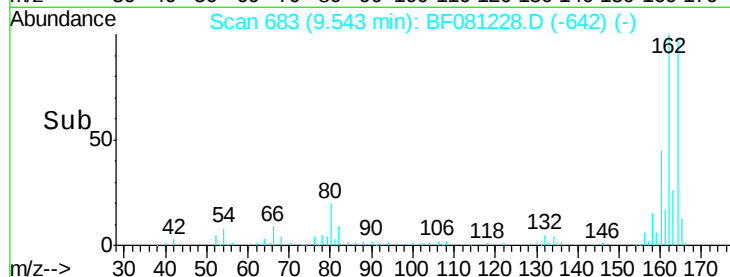
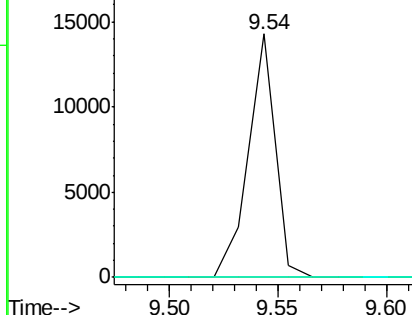
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	49.5	74.3#
89	0.0	47.6	71.4#



Abundance Ion 165.00 (164.70 to 165.70): E

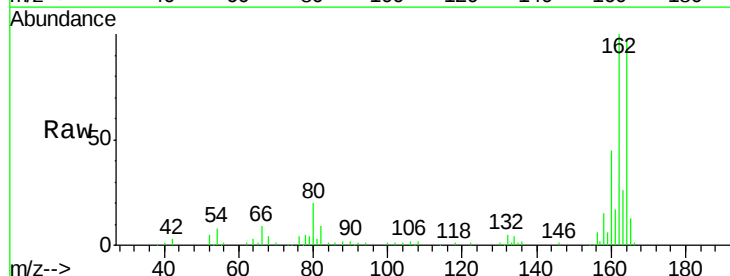
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 5.58 ng
 RT: 9.54 min Scan# 683
 Delta R.T. -0.23 min
 Lab File: BF081228.D
 Acq: 26 Aug 2015 23:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.2	78.4#
89	0.0	60.1	90.1#
182	0.0	1.8	2.6#

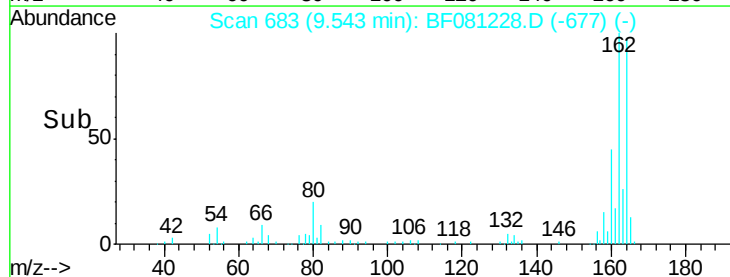
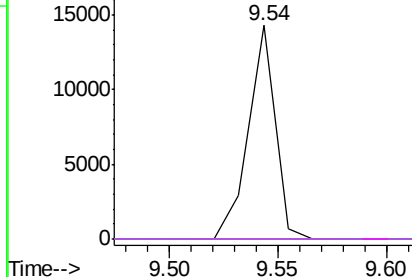


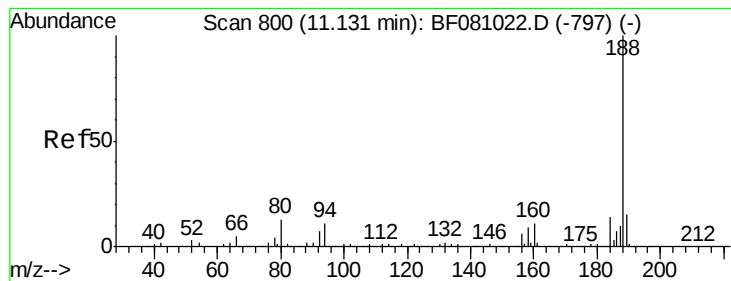
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.01 min Scan# 811

Delta R.T. -0.04 min

Lab File: BF081228.D

Acq: 26 Aug 2015 23:21

Instrument :

BNA_F

ClientSampleId :

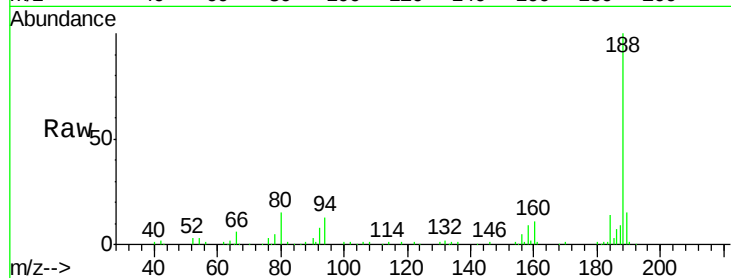
Tot Ion:188 Resp: 171590

Ion Ratio Lower Upper

188 100

94 12.6 8.2 12.2#

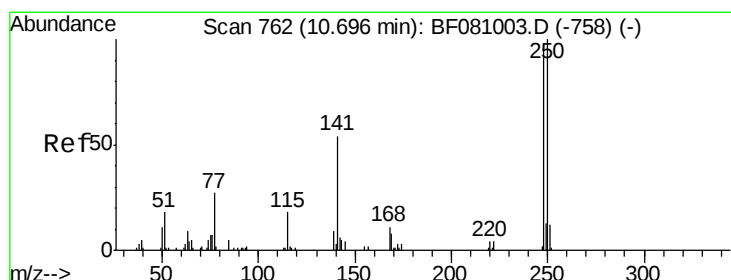
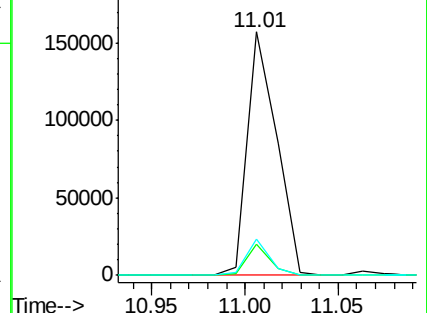
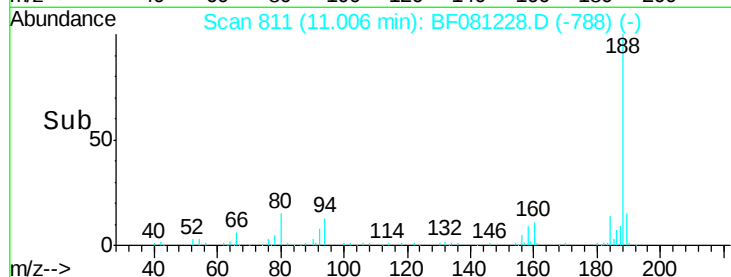
80 14.8 9.5 14.3#



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: 4.78 ng

RT: 10.33 min Scan# 752

Delta R.T. -0.26 min

Lab File: BF081228.D

Acq: 26 Aug 2015 23:21

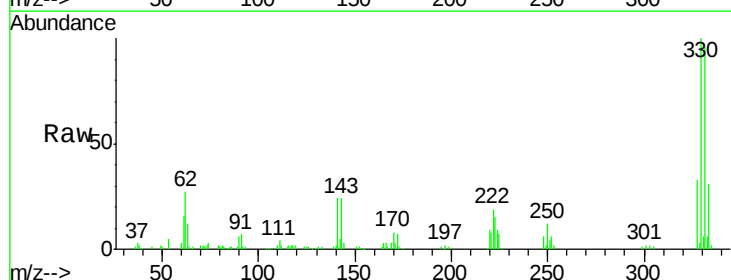
Tgt Ion:248 Resp: 8051

Ion Ratio Lower Upper

248 100

250 200.2 77.8 116.6#

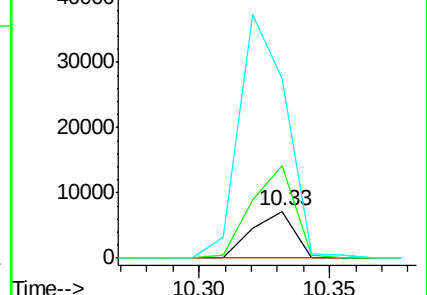
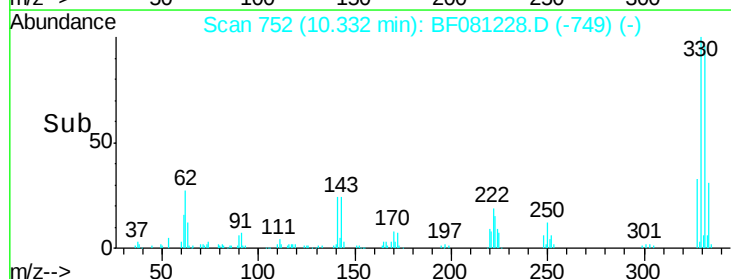
141 385.8 39.8 59.6#

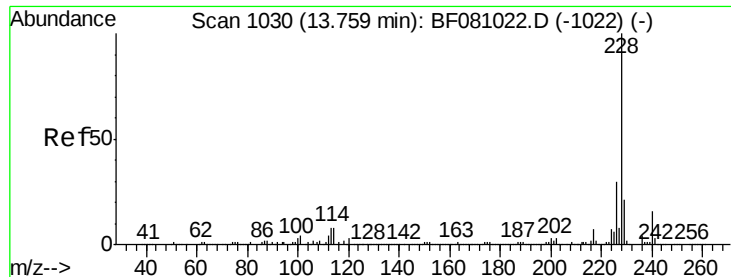


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.62 min Scan# 1040

Delta R.T. -0.04 min

Lab File: BF081228.D

Acq: 26 Aug 2015 23:21

Instrument :

BNA_F

ClientSampleId :

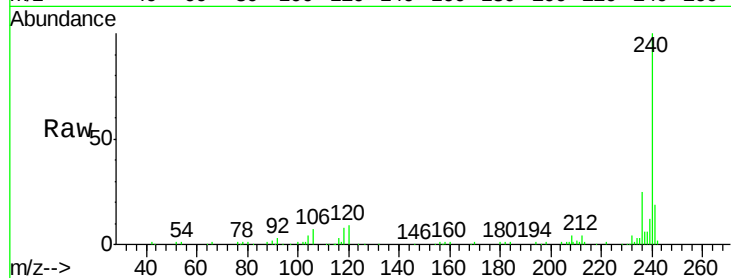
Tot Ion:240 Resp: 151452

Ion Ratio Lower Upper

240 100

120 9.5 5.6 8.4#

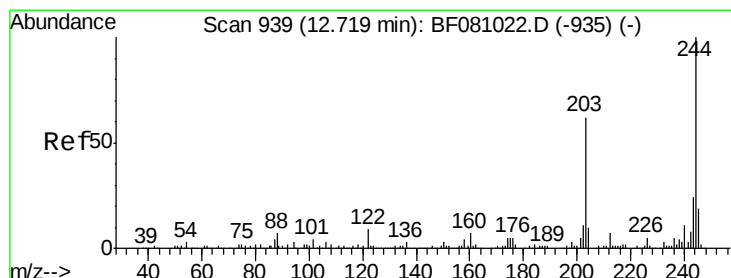
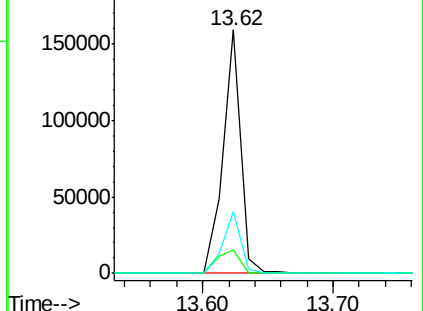
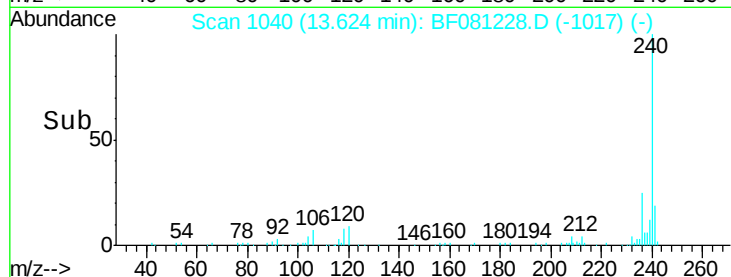
236 25.3 20.6 30.8



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: 71.82 ng

RT: 12.59 min Scan# 950

Delta R.T. -0.04 min

Lab File: BF081228.D

Acq: 26 Aug 2015 23:21

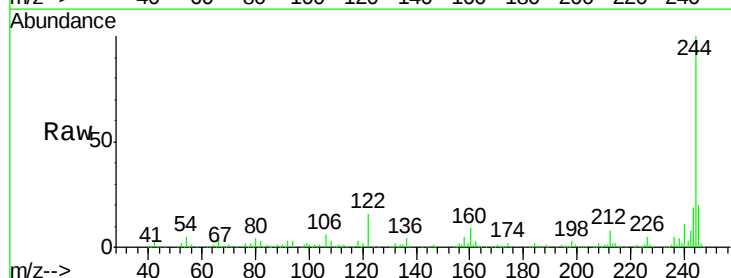
Tgt Ion:244 Resp: 507413

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

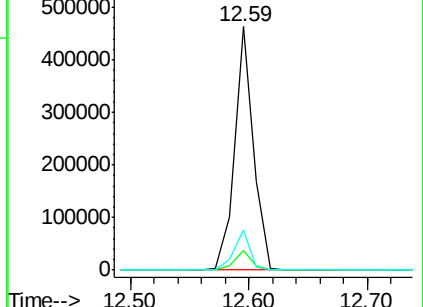
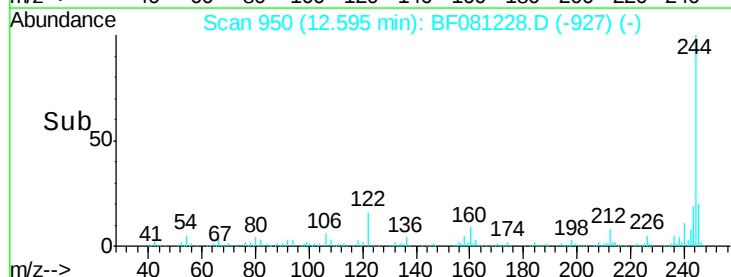
122 16.2 8.2 12.4#

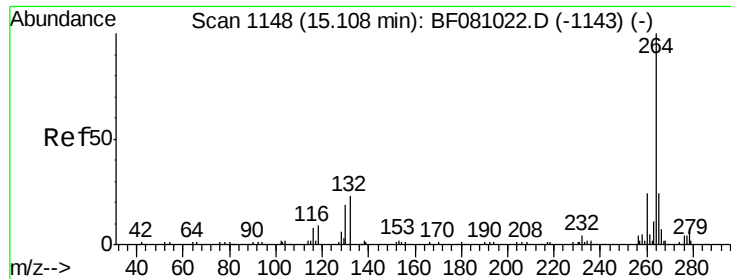


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.95 min Scan# 1156
Delta R.T. -0.04 min
Lab File: BF081228.D
Acq: 26 Aug 2015 23:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.6	29.4
265	21.5	17.5	26.3

