

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010816\
 Data File : BF084328.D
 Acq On : 8 Jan 2016 15:22
 Operator : SJ/UM
 Sample : PB87668BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB87668BL

Quant Time: Jan 08 22:12:30 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	251300	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	1075534	20.00	ng	-0.05
38) Acenaphthene-d10	9.89	164	485333	20.00	ng	-0.06
63) Phenanthrene-d10	11.38	188	921537	20.00	ng	-0.05
75) Chrysene-d12	14.02	240	780445	20.00	ng	-0.05
86) Perylene-d12	15.45	264	536587	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1216192	78.28	ng	-0.02
7) Phenol-d6	6.50	99	1684526	86.33	ng	-0.03
23) Nitrobenzene-d5	7.42	82	1541350	79.76	ng	-0.05
41) 2,4,6-Tribromophenol	10.68	330	360184	73.51	ng	-0.06
44) 2-Fluorobiphenyl	9.22	172	2169174	78.11	ng	-0.05
78) Terphenyl-d14	12.97	244	2287953	65.44	ng	-0.05

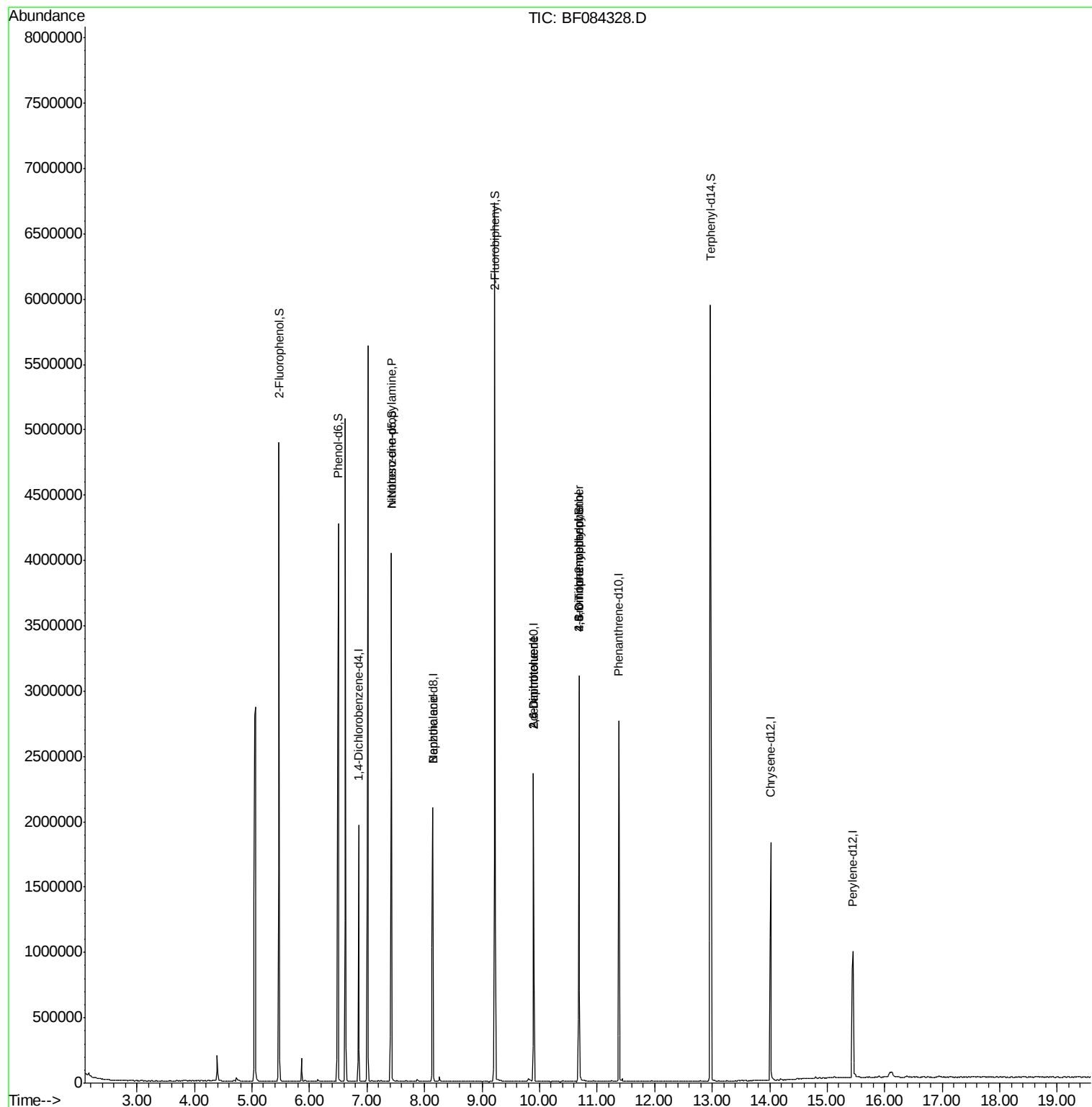
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	217268	16.45	ng	# 74
32) Benzoic acid	8.14	122	212	6.26	ng	# 1
50) 2,6-Dinitrotoluene	9.89	165	63456	8.34	ng	# 37
54) Dibenzofuran	10.10	168	211	Below Cal		# 45
56) 2,4-Dinitrotoluene	9.89	165	63461	6.59	ng	# 21
57) Fluorene	10.68	166	14892	Below Cal		# 89
64) 4,6-Dinitro-2-methylphenol	10.68	198	596	6.50	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	20769	2.09	ng	# 1
73) Di-n-butylphthalate	11.95	149	4894	Below Cal		# 90

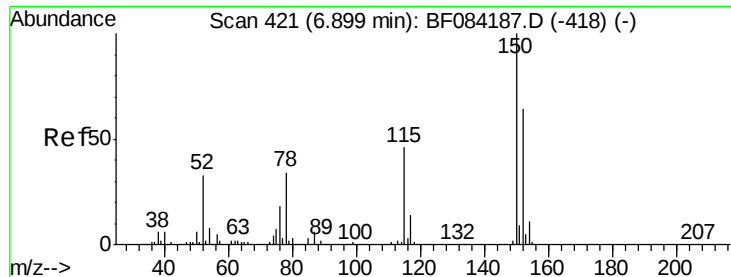
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.05 min

Lab File: BF084328.D

Acq: 8 Jan 2016 15:22

Instrument :

BNA_F

ClientSampleId :

PB87668BL

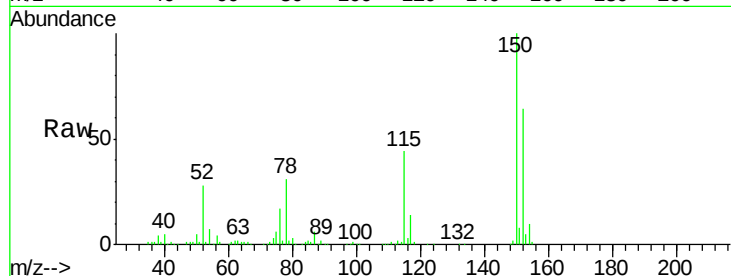
Tgt Ion:152 Resp: 251300

Ion Ratio Lower Upper

152 100

150 156.8 123.0 184.4

115 69.4 51.4 77.2



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

600000

500000

400000

300000

200000

100000

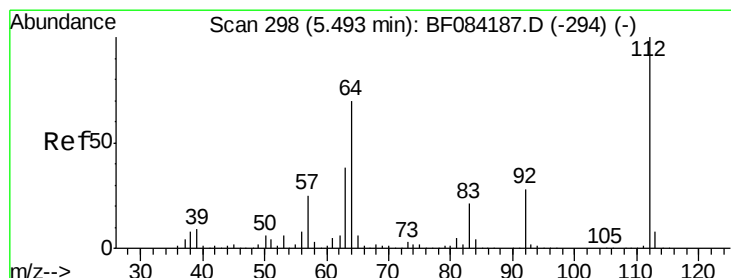
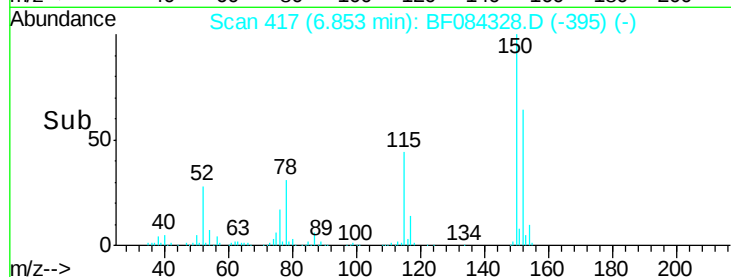
0

6.80

6.85

6.90

Time-->



#5

2-Fluorophenol

Concen: 78.28 ng

RT: 5.47 min Scan# 296

Delta R.T. -0.02 min

Lab File: BF084328.D

Acq: 8 Jan 2016 15:22

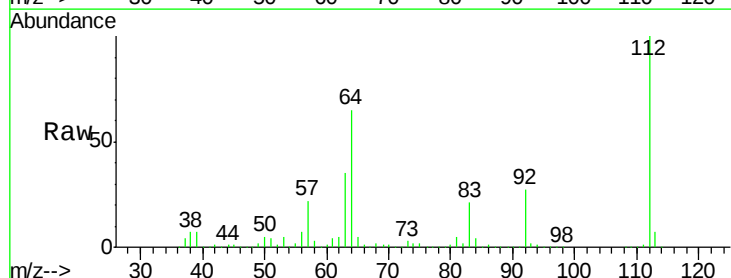
Tgt Ion:112 Resp: 1216192

Ion Ratio Lower Upper

112 100

64 65.1 36.6 55.0#

63 34.6 19.4 29.0#



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

1500000

1000000

500000

0

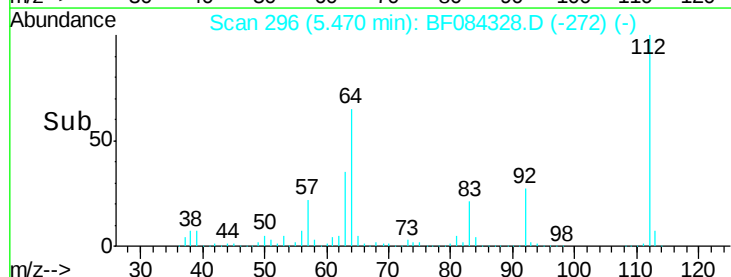
5.40

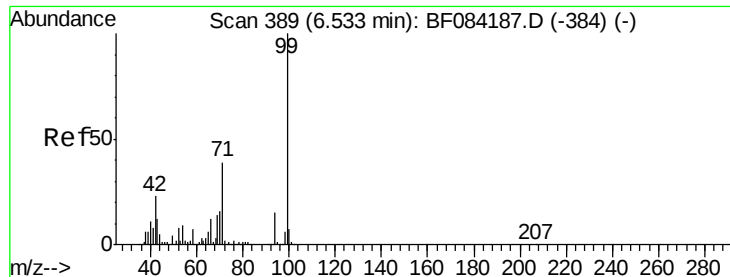
5.45

5.50

5.55

Time-->





#7

Phenol-d6

Concen: 86.33 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.03 min

Lab File: BF084328.D

Acq: 8 Jan 2016 15:22

Instrument :

BNA_F

ClientSampleId :

PB87668BL

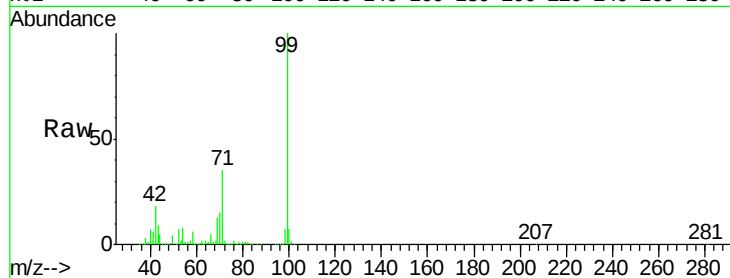
Tgt Ion: 99 Resp: 1684526

Ion Ratio Lower Upper

99 100

42 18.2 12.8 19.2

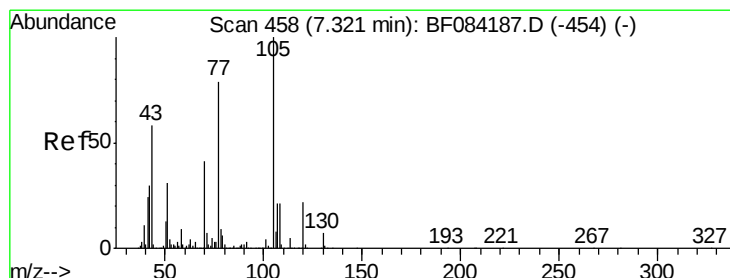
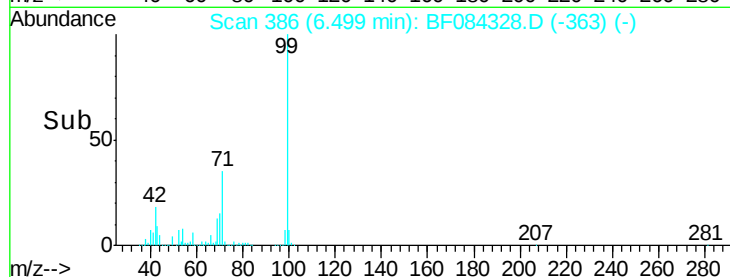
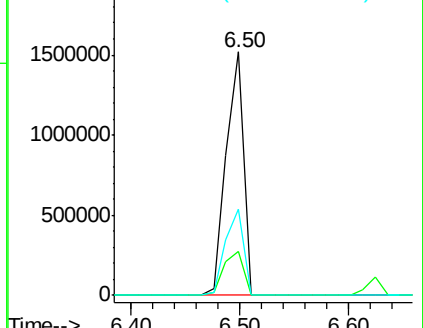
71 35.4 30.9 46.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.45 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.10 min

Lab File: BF084328.D

Acq: 8 Jan 2016 15:22

Tgt Ion: 70 Resp: 217268

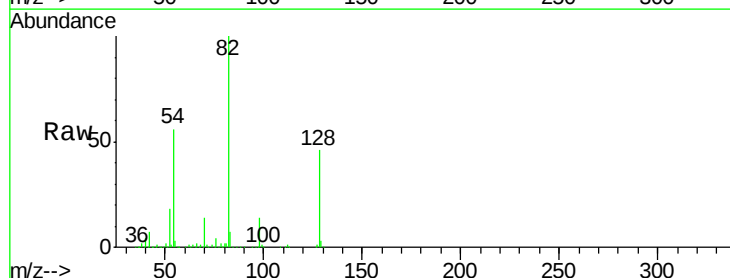
Ion Ratio Lower Upper

70 100

42 47.0 33.3 49.9

101 0.0 9.3 13.9#

130 2.2 23.4 35.0#

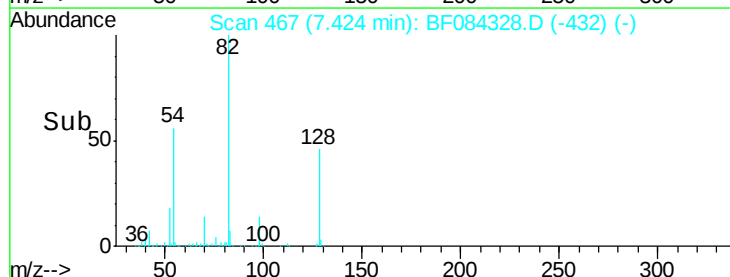
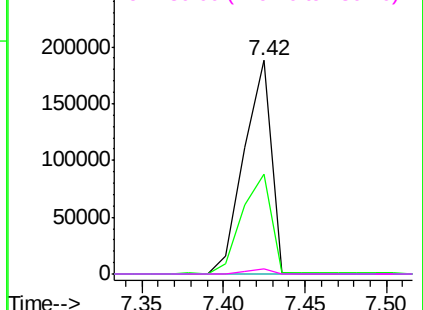


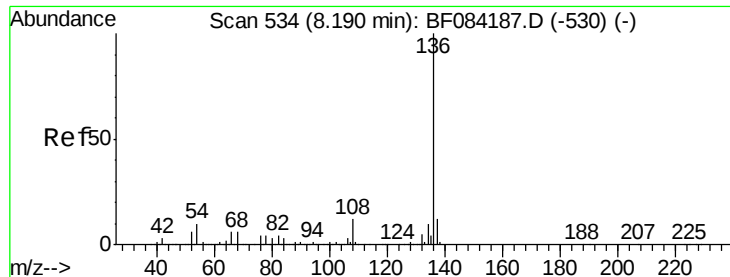
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.05 min

Lab File: BF084328.D

Acq: 8 Jan 2016 15:22

Instrument :

BNA_F

ClientSampleId :

PB87668BL

Tgt Ion:136 Resp: 1075534

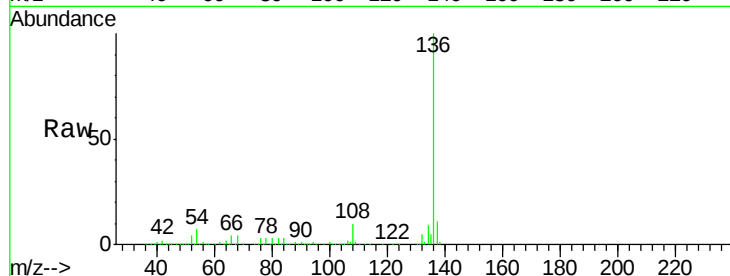
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 7.5 5.8 8.8

68 4.3 4.2 6.2

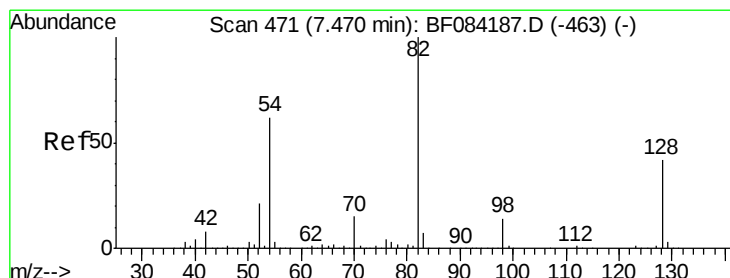
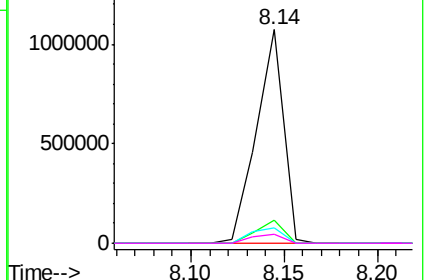
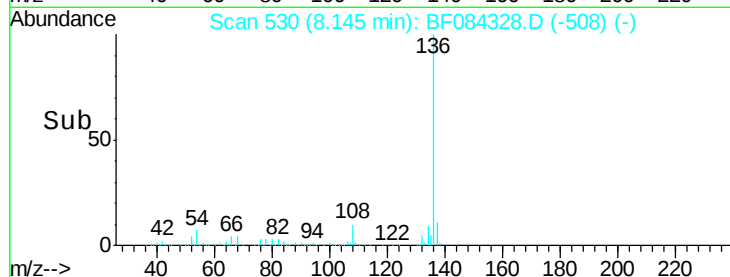


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.76 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.05 min

Lab File: BF084328.D

Acq: 8 Jan 2016 15:22

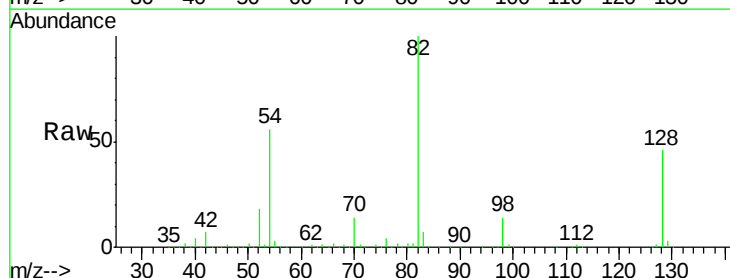
Tgt Ion: 82 Resp: 1541350

Ion Ratio Lower Upper

82 100

128 45.8 34.6 51.8

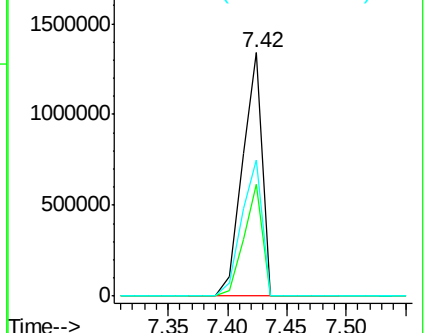
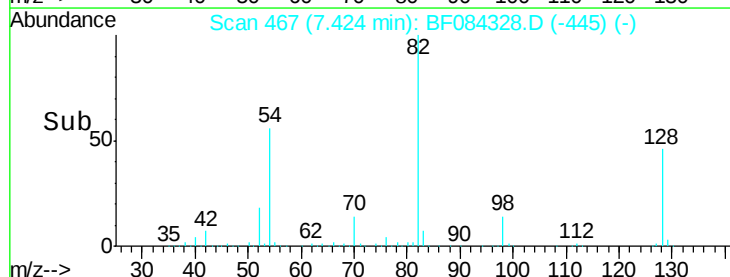
54 55.8 38.4 57.6

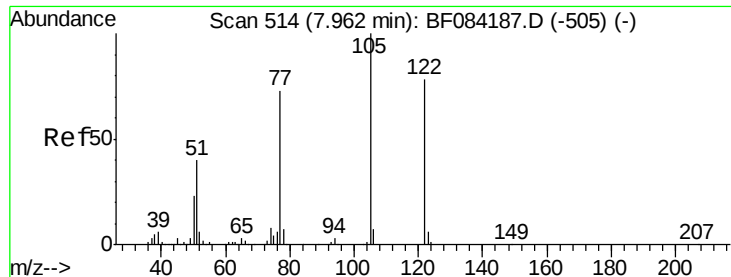


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 6.26 ng

RT: 8.14 min Scan# 530

Delta R.T. 0.18 min

Lab File: BF084328.D

Acq: 8 Jan 2016 15:22

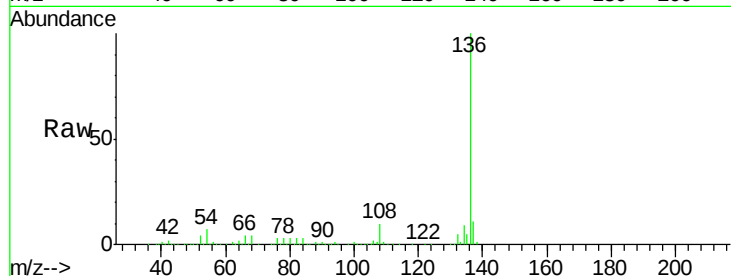
Instrument :

BNA_F

ClientSampleId :

PB87668BL

Tgt Ion	Ratio	Lower	Upper
122	100		
105	333.7	100.3	140.3#
77	933.7	63.5	103.5#

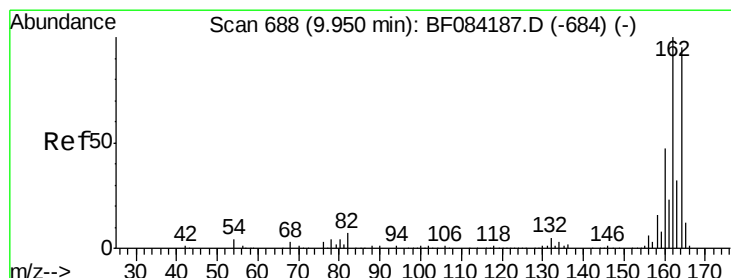
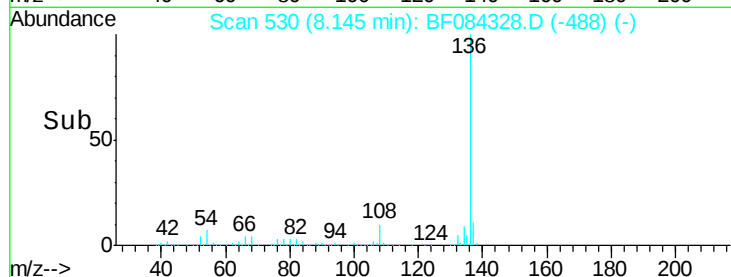
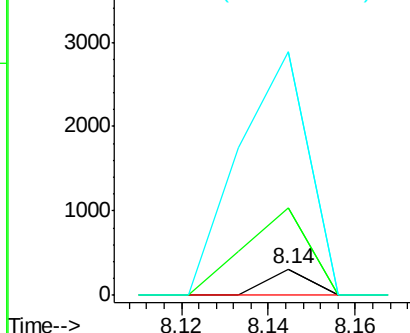


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

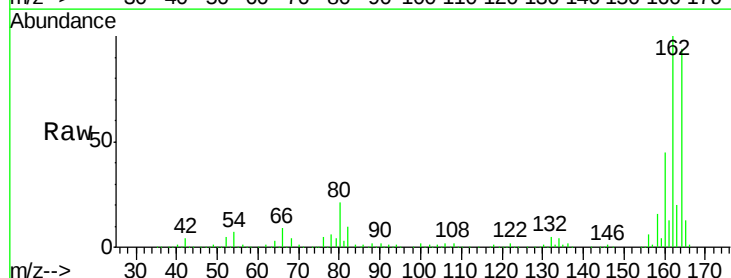
RT: 9.89 min Scan# 683

Delta R.T. -0.06 min

Lab File: BF084328.D

Acq: 8 Jan 2016 15:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.0	85.1	127.7
160	48.0	37.5	56.3

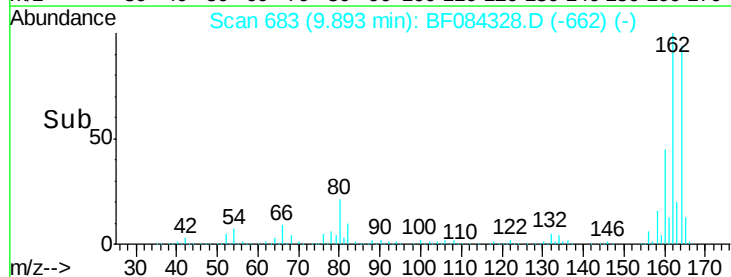
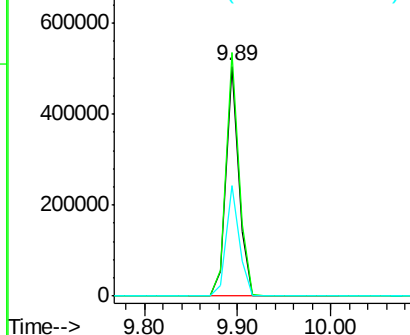


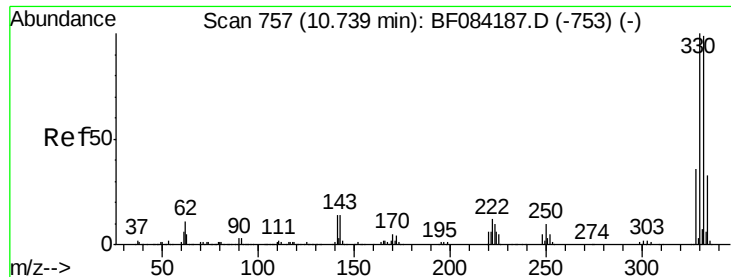
Abundance

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

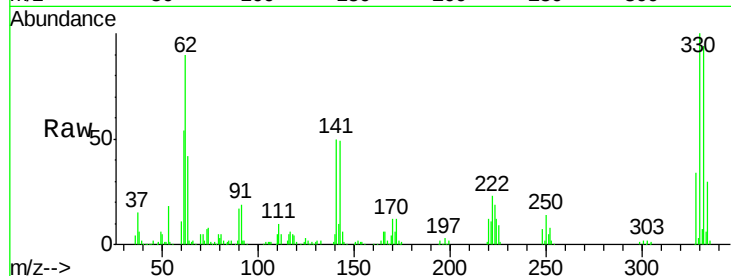




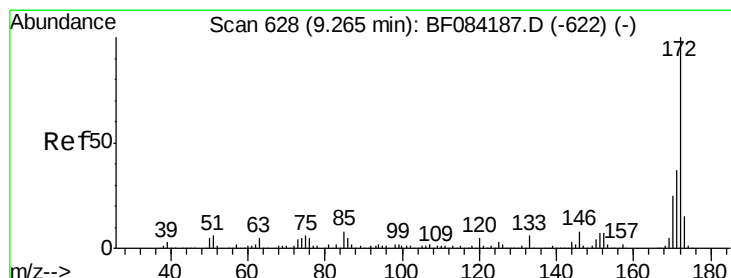
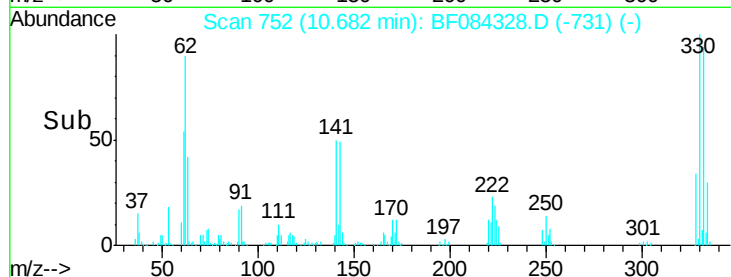
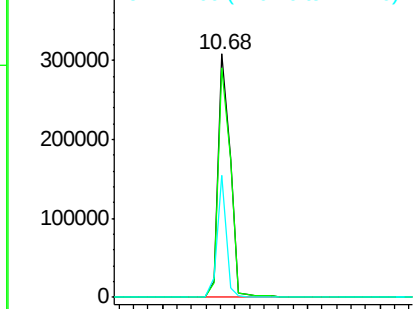
#41
 2,4,6-Tribromophenol
 Concen: 73.51 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.06 min
 Lab File: BF084328.D
 Acq: 8 Jan 2016 15:22

Instrument :
 BNA_F
 ClientSampleId :
 PB87668BL

Tgt Ion:330 Resp: 360184
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.6 114.8
 141 37.8 27.8 41.6

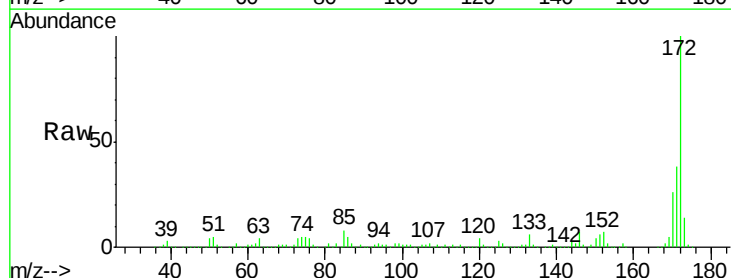


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

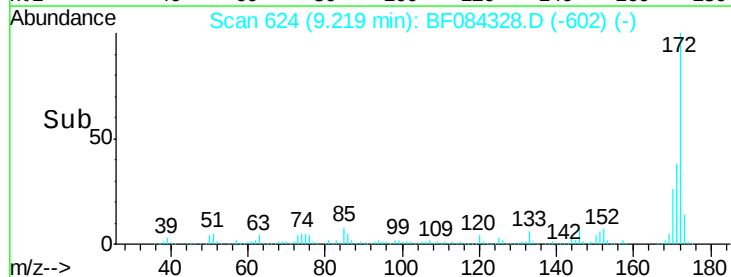
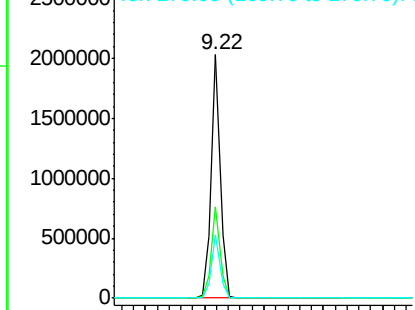


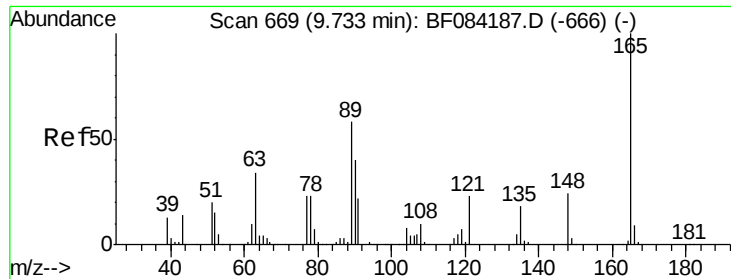
#44
 2-Fluorobiphenyl
 Concen: 78.11 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.05 min
 Lab File: BF084328.D
 Acq: 8 Jan 2016 15:22

Tgt Ion:172 Resp: 2169174
 Ion Ratio Lower Upper
 172 100
 171 37.6 28.9 43.3
 170 25.7 18.6 27.8



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

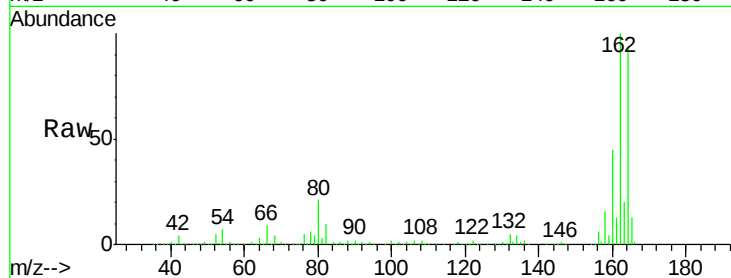




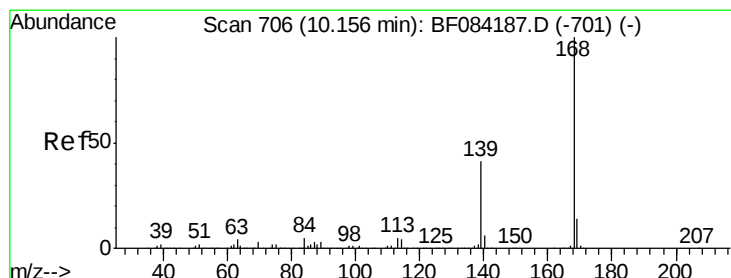
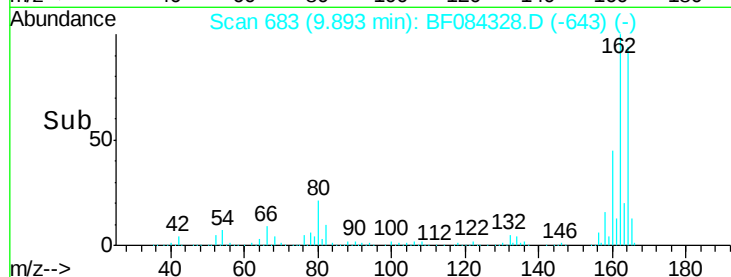
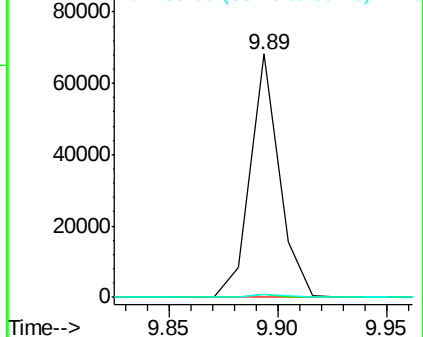
#50
2,6-Dinitrotoluene
Concen: 8.34 ng
RT: 9.89 min Scan# 683
Delta R.T. 0.16 min
Lab File: BF084328.D
Acq: 8 Jan 2016 15:22

Instrument :
BNA_F
ClientSampleId :
PB87668BL

Tgt Ion:165 Resp: 63456
Ion Ratio Lower Upper
165 100
63 1.4 28.8 43.2#
89 1.5 35.1 52.7#

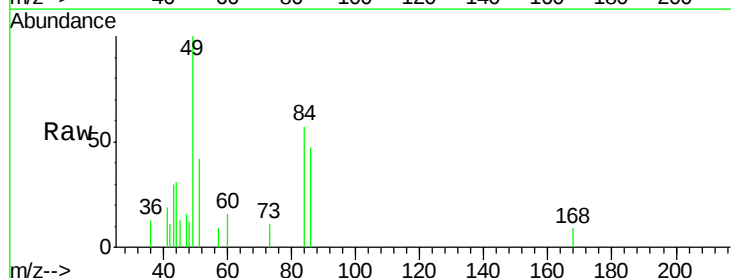


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

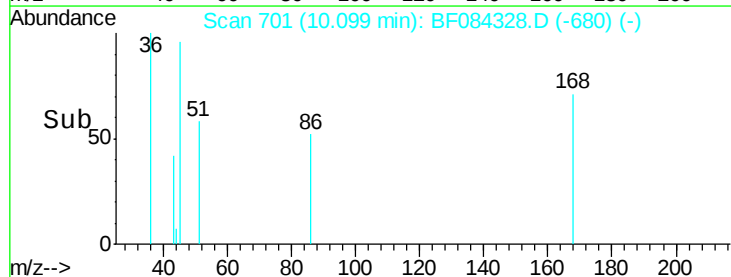
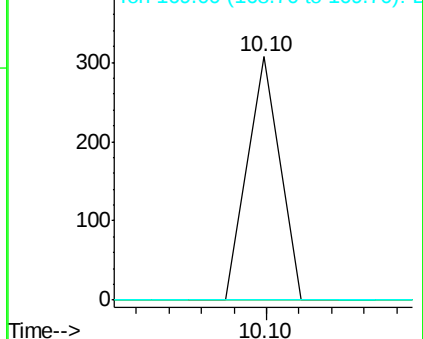


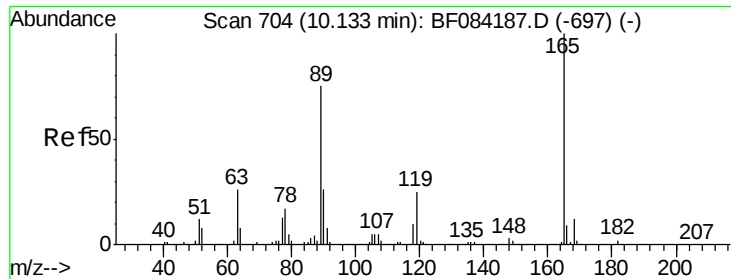
#54
Dibenzofuran
Concen: Below Cal
RT: 10.10 min Scan# 701
Delta R.T. -0.06 min
Lab File: BF084328.D
Acq: 8 Jan 2016 15:22

Tgt Ion:168 Resp: 211
Ion Ratio Lower Upper
168 100
139 0.0 30.5 45.7#
169 0.0 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

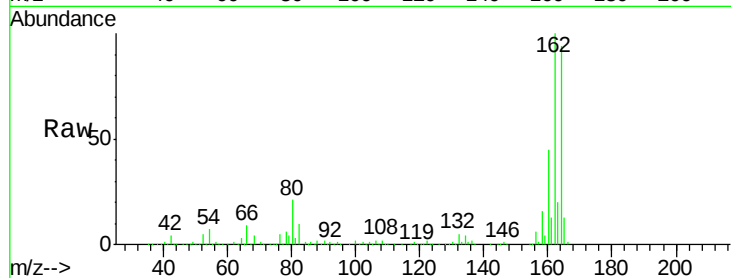




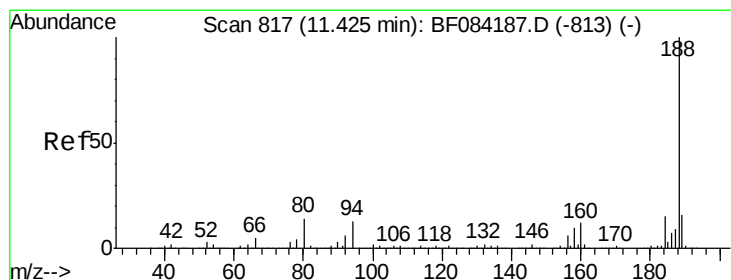
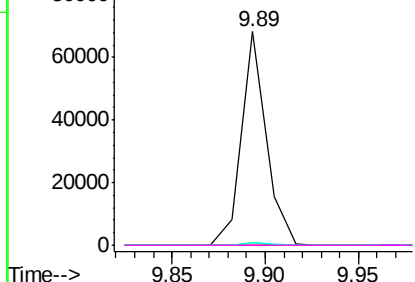
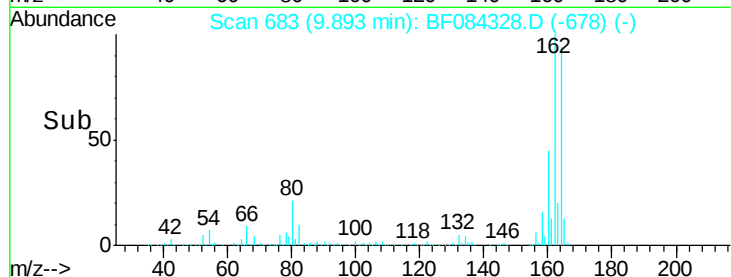
#56
 2,4-Dinitrotoluene
 Concen: 6.59 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.24 min
 Lab File: BF084328.D
 Acq: 8 Jan 2016 15:22

Instrument :
 BNA_F
 ClientSampleId :
 PB87668BL

Tgt Ion:165 Resp: 63461
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.7 55.1#
 89 1.5 61.9 92.9#
 182 0.0 2.0 3.0#

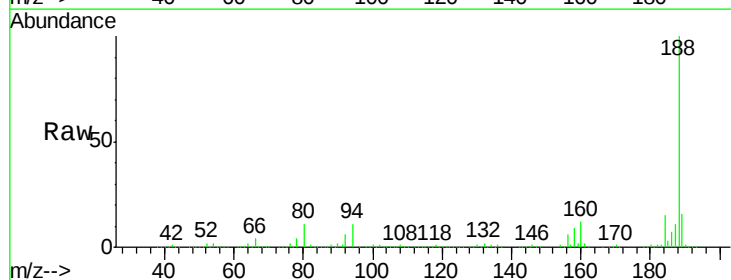


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

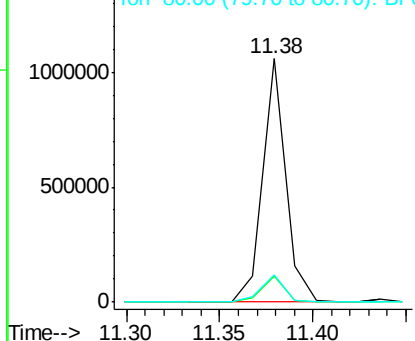
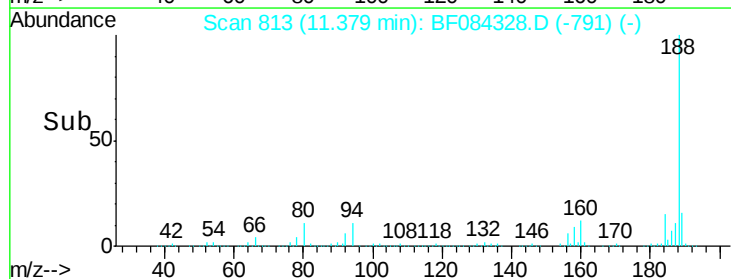


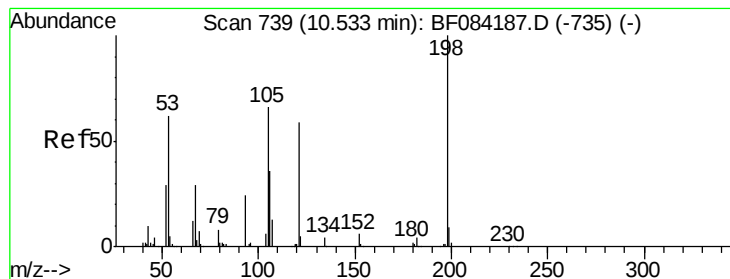
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 813
 Delta R.T. -0.05 min
 Lab File: BF084328.D
 Acq: 8 Jan 2016 15:22

Tgt Ion:188 Resp: 921537
 Ion Ratio Lower Upper
 188 100
 94 10.5 9.0 13.4
 80 11.1 9.6 14.4



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





#64

4,6-Dinitro-2-methylphenol

Concen: 6.50 ng

RT: 10.68 min Scan# 752

Delta R.T. 0.15 min

Lab File: BF084328.D

Acq: 8 Jan 2016 15:22

Instrument :

BNA_F

ClientSampleId :

PB87668BL

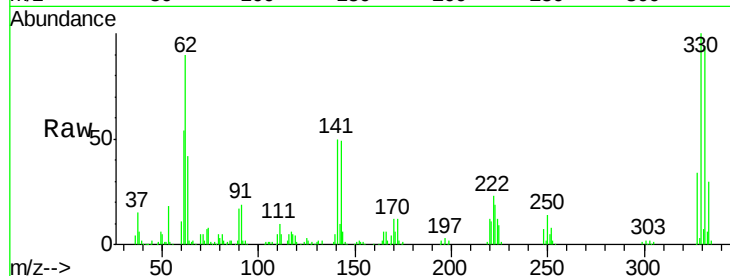
Tgt Ion:198 Resp: 596

Ion Ratio Lower Upper

198 100

51 316.1 18.9 58.9#

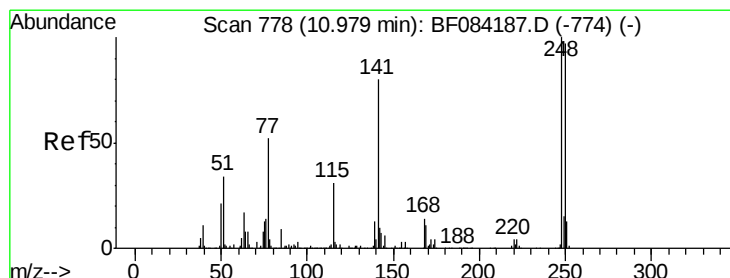
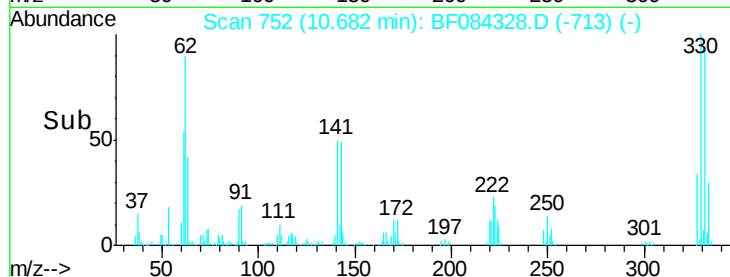
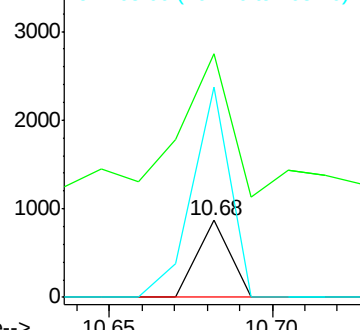
105 273.8 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 2.09 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.30 min

Lab File: BF084328.D

Acq: 8 Jan 2016 15:22

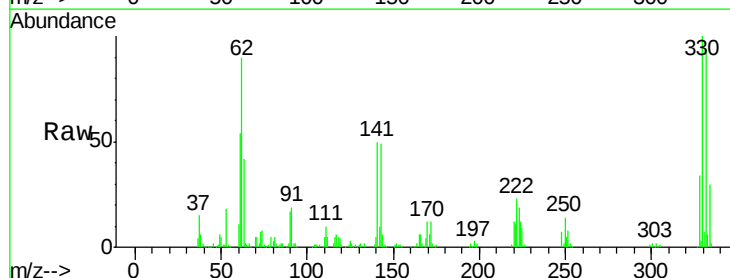
Tgt Ion:248 Resp: 20769

Ion Ratio Lower Upper

248 100

250 194.5 78.4 117.6#

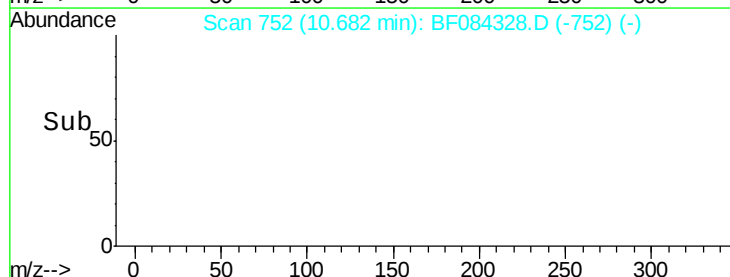
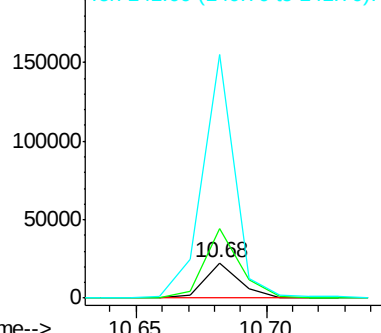
141 685.0 44.0 66.0#

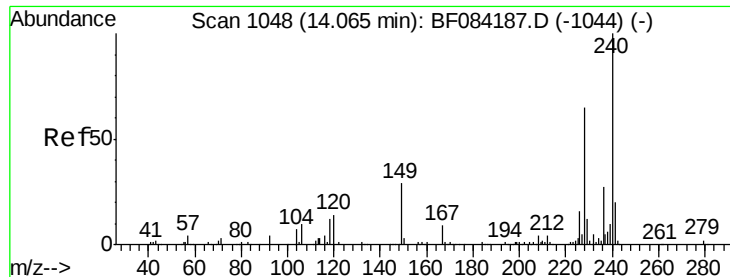


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.02 min Scan# 1044

Delta R.T. -0.05 min

Lab File: BF084328.D

Acq: 8 Jan 2016 15:22

Instrument :

BNA_F

ClientSampleId :

PB87668BL

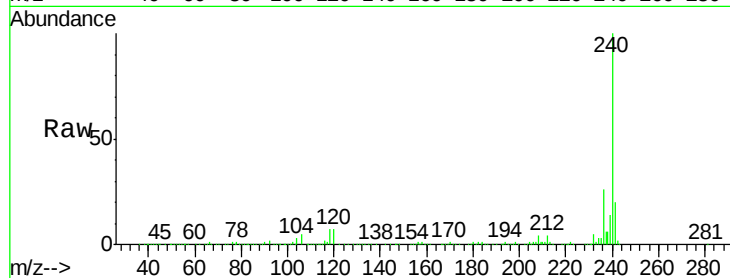
Tgt Ion:240 Resp: 780445

Ion Ratio Lower Upper

240 100

120 7.5 9.5 14.3#

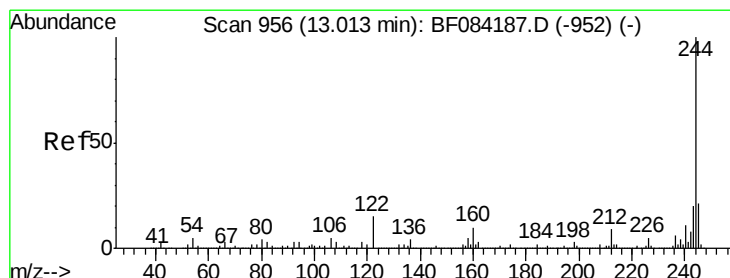
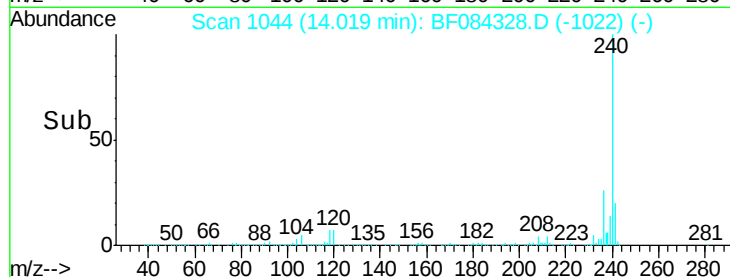
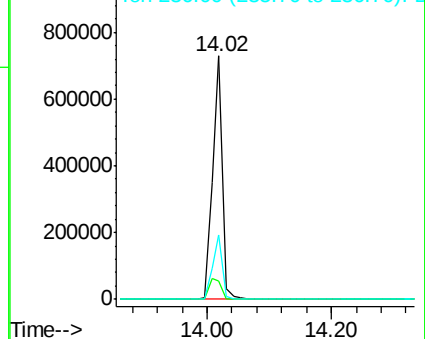
236 26.2 20.6 31.0



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: 65.44 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.05 min

Lab File: BF084328.D

Acq: 8 Jan 2016 15:22

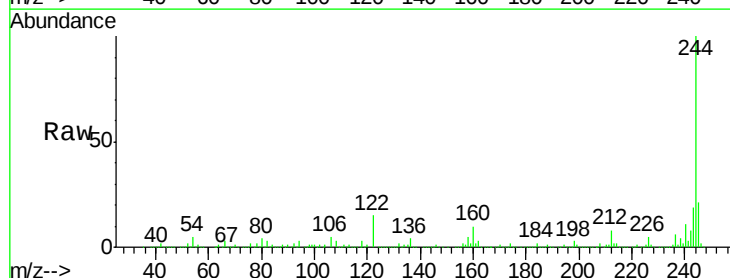
Tgt Ion:244 Resp: 2287953

Ion Ratio Lower Upper

244 100

212 8.1 5.7 8.5

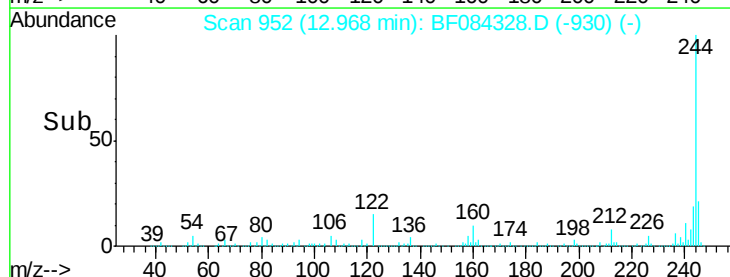
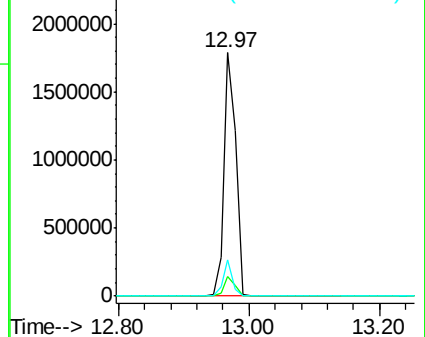
122 15.0 7.4 11.0#

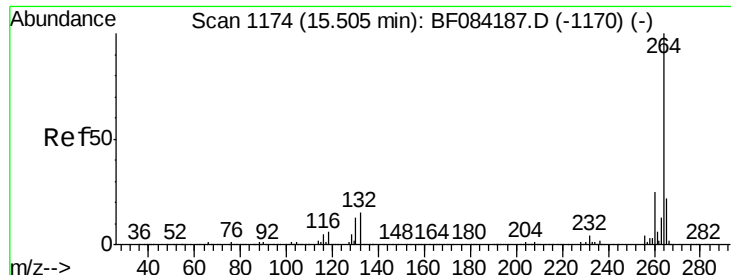


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.45 min Scan# 1169
Delta R.T. -0.06 min
Lab File: BF084328.D
Acq: 8 Jan 2016 15:22

Instrument :
BNA_F
ClientSampleId :
PB87668BL

Tgt Ion:	264	Resp:	536587
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.4	29.2
265	21.7	17.8	26.6

