

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011016\
 Data File : BF084368.D
 Acq On : 10 Jan 2016 16:49
 Operator : SJ/UM
 Sample : H1043-20
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

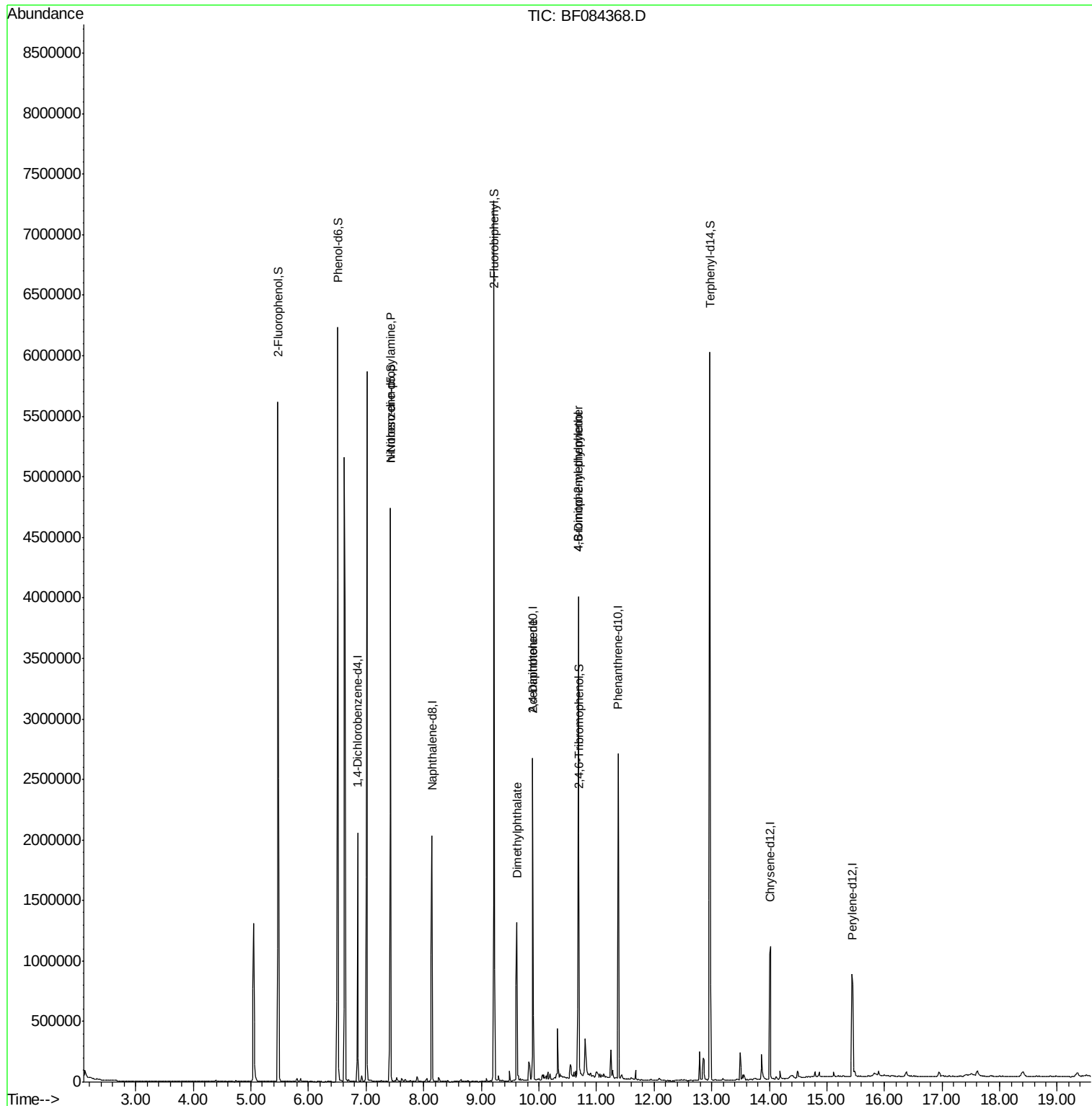
Quant Time: Jan 11 00:20:46 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

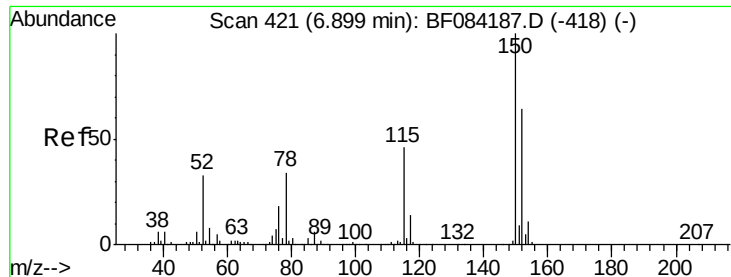
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	253671	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	1070490	20.00	ng	-0.05
38) Acenaphthene-d10	9.89	164	485728	20.00	ng	-0.06
63) Phenanthrene-d10	11.38	188	870422	20.00	ng	-0.05
75) Chrysene-d12	14.02	240	571573	20.00	ng	-0.05
86) Perylene-d12	15.45	264	471612	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1770387	112.88	ng	-0.02
7) Phenol-d6	6.51	99	2525010	128.19	ng	-0.02
23) Nitrobenzene-d5	7.42	82	1636887	85.10	ng	-0.05
41) 2,4,6-Tribromophenol	10.69	330	594353	121.20	ng	-0.05
44) 2-Fluorobiphenyl	9.22	172	2087893	74.86	ng	-0.04
78) Terphenyl-d14	12.97	244	1795446	70.12	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	235442	17.66	ng	# 71
49) Dimethylphthalate	9.62	163	671659	19.34	ng	# 91
54) Dibenzofuran	10.10	168	736	Below Cal	#	33
56) 2,4-Dinitrotoluene	9.89	165	64229	6.66	ng	# 21
57) Fluorene	10.68	166	21606	Below Cal	#	89
64) 4,6-Dinitro-2-methylphenol	10.68	198	1231	6.59	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	32983	3.52	ng	# 1
73) Di-n-butylphthalate	11.95	149	3670	Below Cal	#	79

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

```
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Acq On    : 10 Jan 2016   16:49  
Operator  : SJ/UM  
Sample    : H1043-20  
Misc      :  
ALS Vial  : 19      Sample Multiplier: 1
```

Quant Time: Jan 11 00:20:46 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



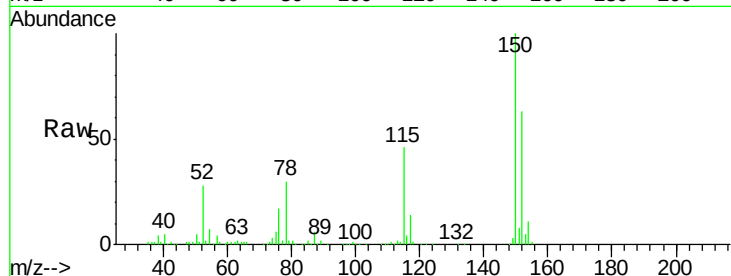


#1

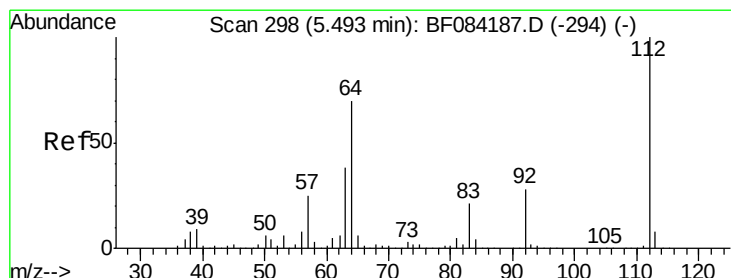
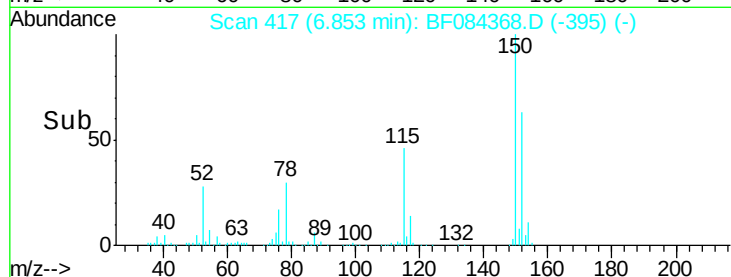
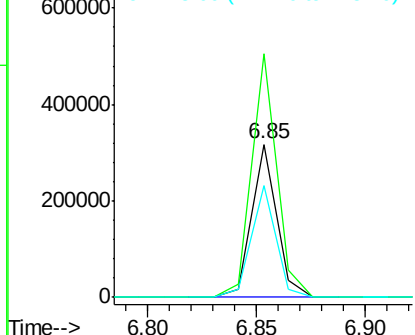
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.05 min
Lab File: BF084368.D
Acq: 10 Jan 2016 16:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 253671
Ion Ratio Lower Upper
152 100
150 159.4 123.0 184.4
115 73.5 51.4 77.2



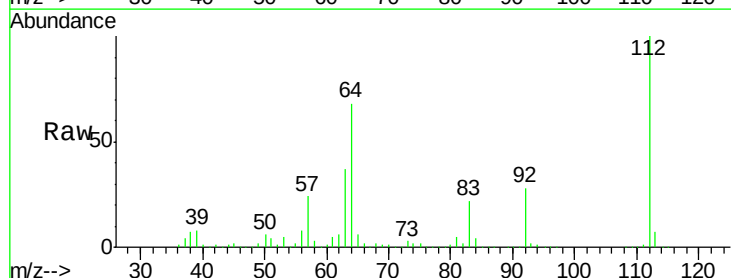
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



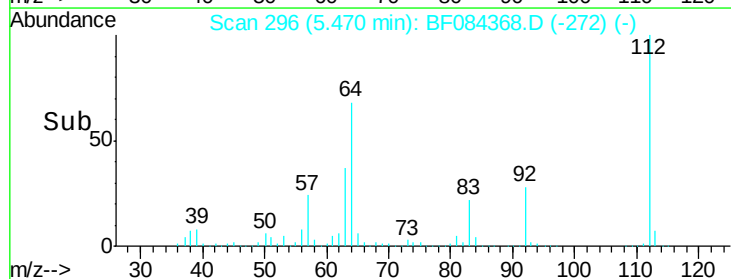
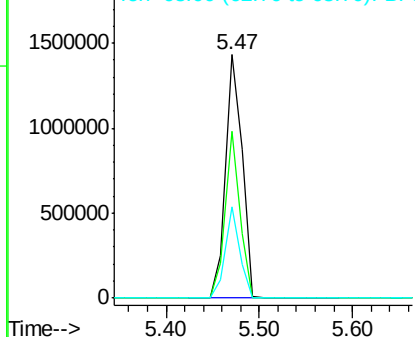
#5

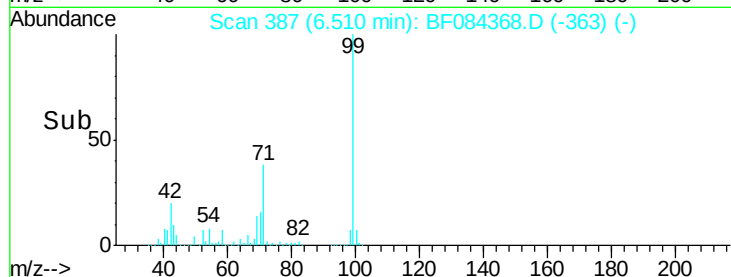
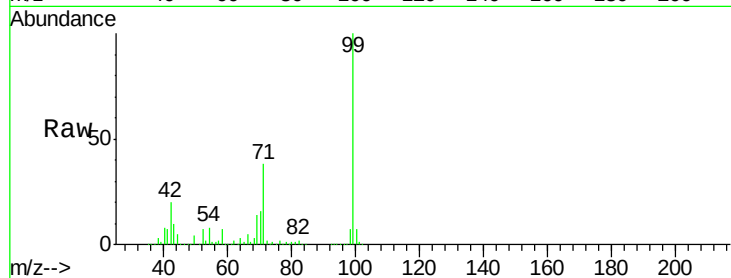
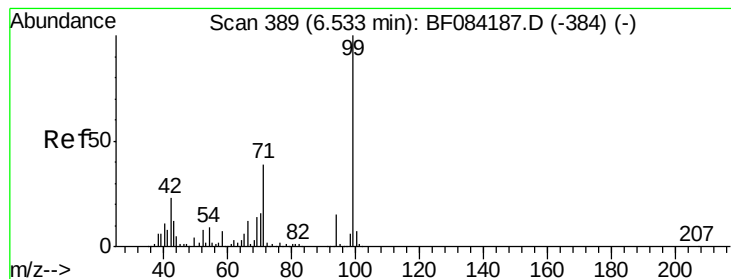
2-Fluorophenol
Concen: 112.88 ng
RT: 5.47 min Scan# 296
Delta R.T. -0.02 min
Lab File: BF084368.D
Acq: 10 Jan 2016 16:49

Tgt Ion:112 Resp: 1770387
Ion Ratio Lower Upper
112 100
64 68.5 36.6 55.0#
63 37.2 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





#7

Phenol-d6

Concen: 128.19 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF084368.D

Acq: 10 Jan 2016 16:49

Instrument :

BNA_F

ClientSampleId :

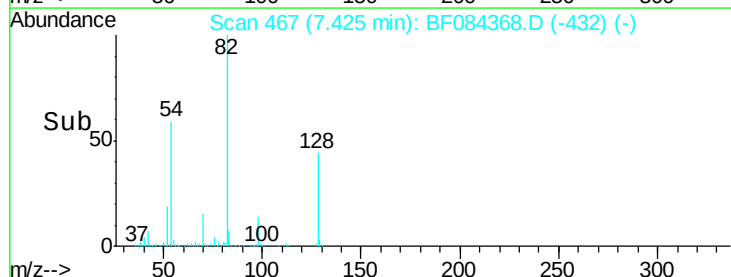
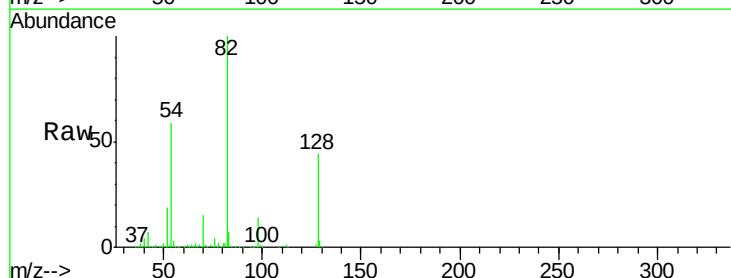
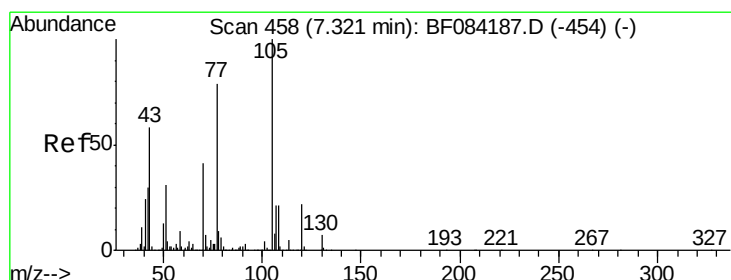
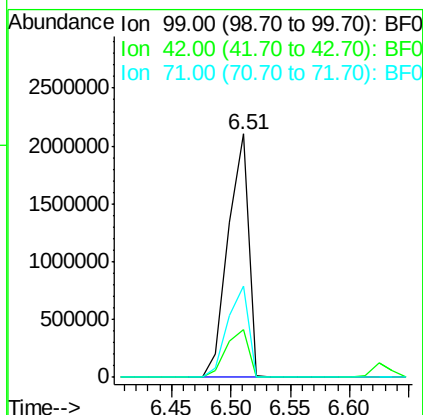
Tot Ion: 99 Resp: 2525010

Ion Ratio Lower Upper

99 100

42 19.8 12.8 19.2#

71 37.7 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 17.66 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.10 min

Lab File: BF084368.D

Acq: 10 Jan 2016 16:49

Tgt Ion: 70 Resp: 235442

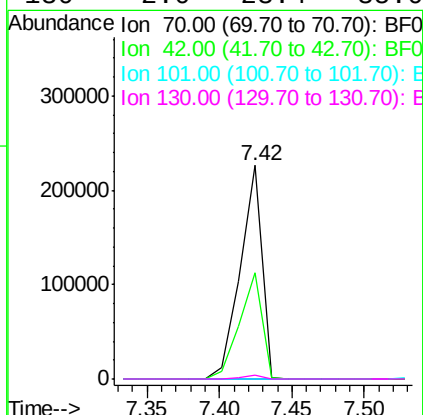
Ion Ratio Lower Upper

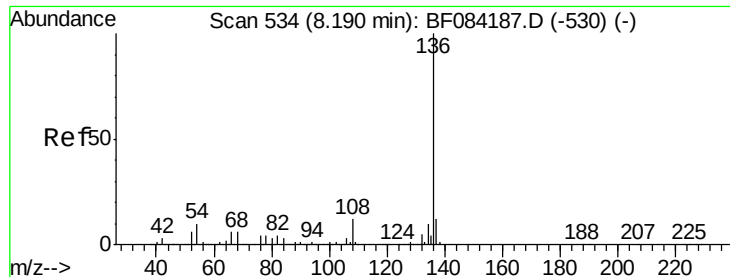
70 100

42 49.8 33.3 49.9

101 0.0 9.3 13.9#

130 2.0 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.05 min

Lab File: BF084368.D

Acq: 10 Jan 2016 16:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1070490

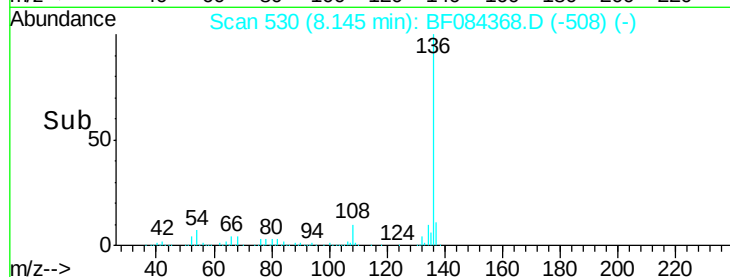
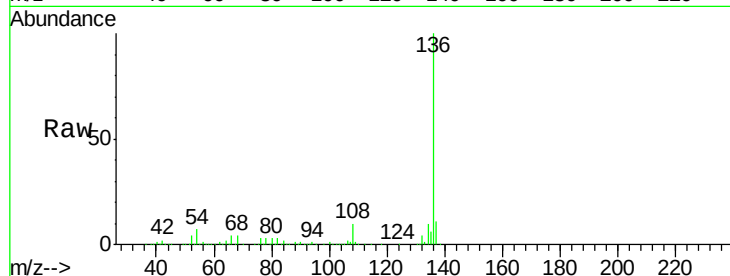
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 6.7 5.8 8.8

68 3.8 4.2 6.2#

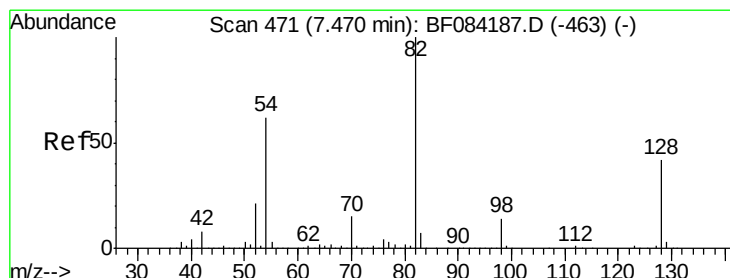
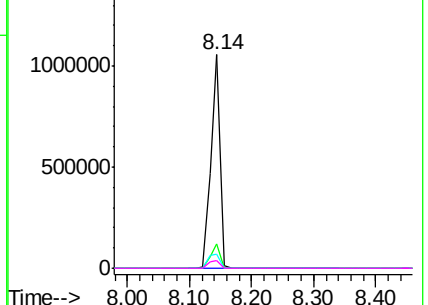


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.10 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.05 min

Lab File: BF084368.D

Acq: 10 Jan 2016 16:49

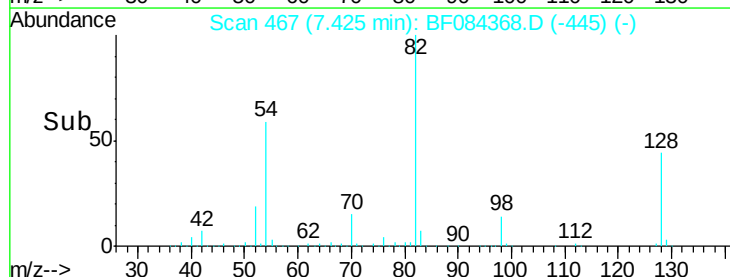
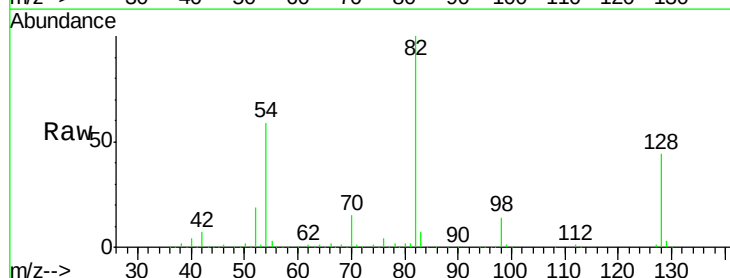
Tgt Ion: 82 Resp: 1636887

Ion Ratio Lower Upper

82 100

128 43.7 34.6 51.8

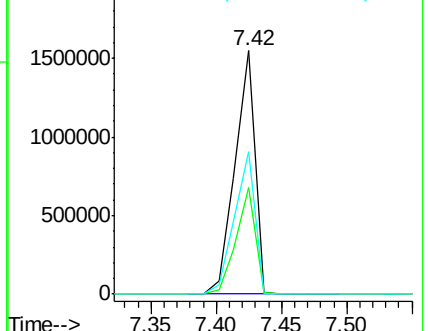
54 58.7 38.4 57.6#

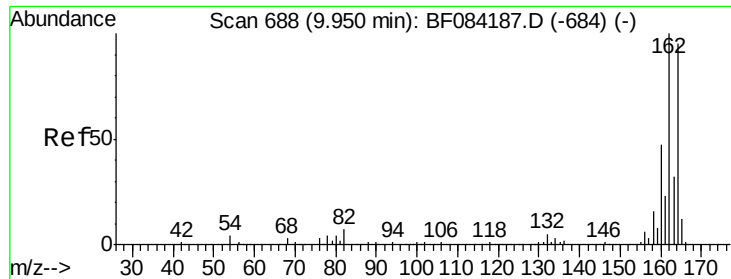


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

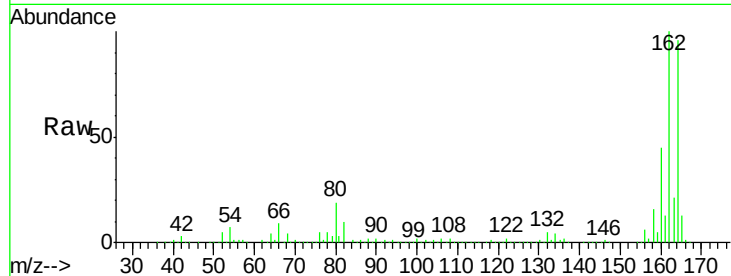




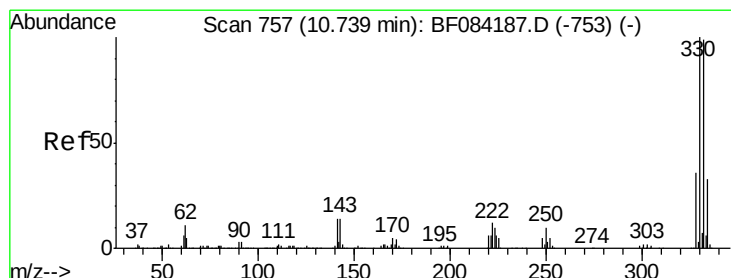
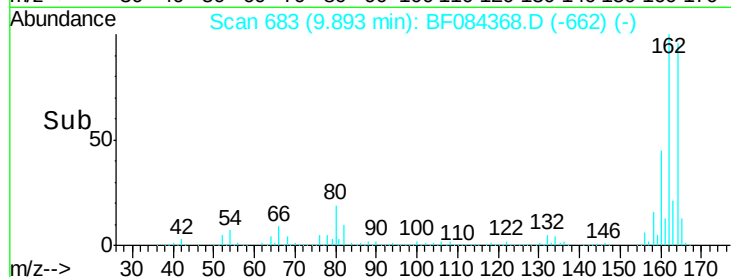
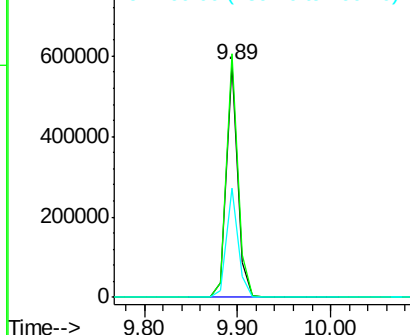
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.06 min
Lab File: BF084368.D
Acq: 10 Jan 2016 16:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 485728
Ion Ratio Lower Upper
164 100
162 104.5 85.1 127.7
160 46.8 37.5 56.3

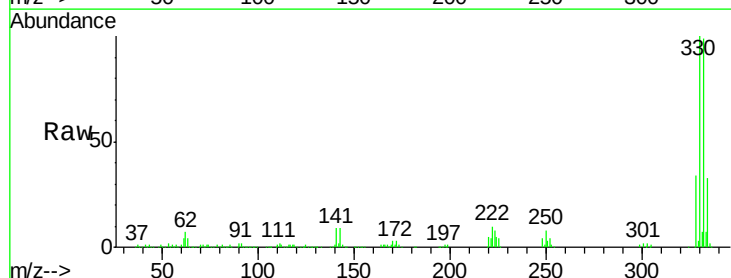


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

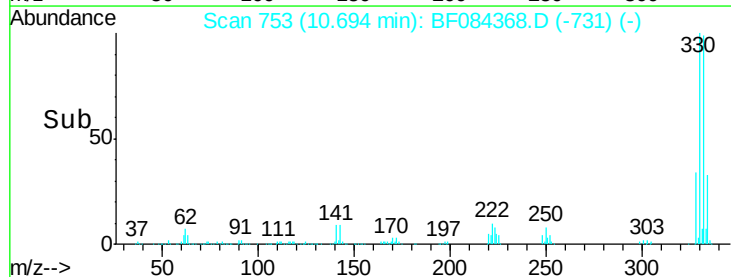
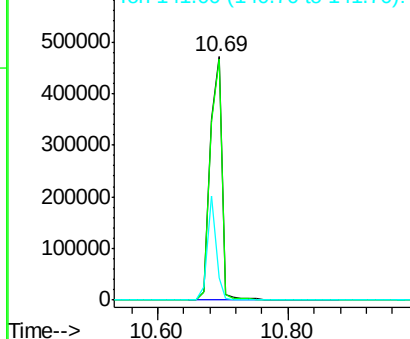


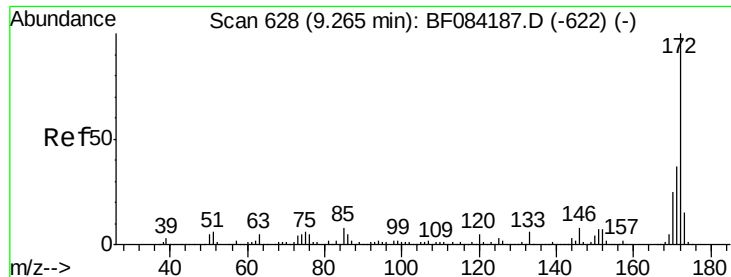
#41
2,4,6-Tribromophenol
Concen: 121.20 ng
RT: 10.69 min Scan# 753
Delta R.T. -0.05 min
Lab File: BF084368.D
Acq: 10 Jan 2016 16:49

Tgt Ion:330 Resp: 594353
Ion Ratio Lower Upper
330 100
332 98.5 76.6 114.8
141 32.6 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

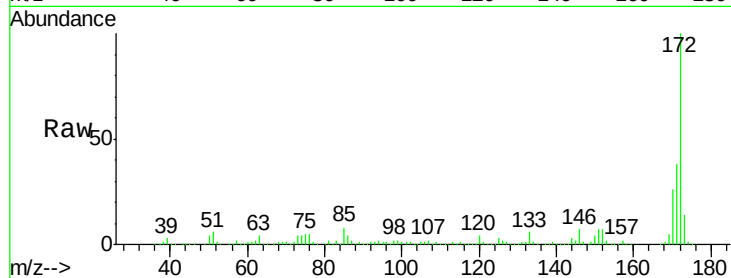




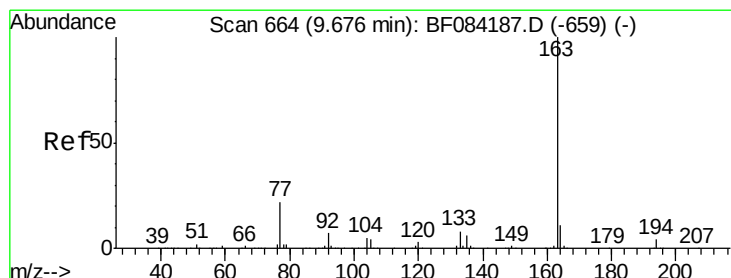
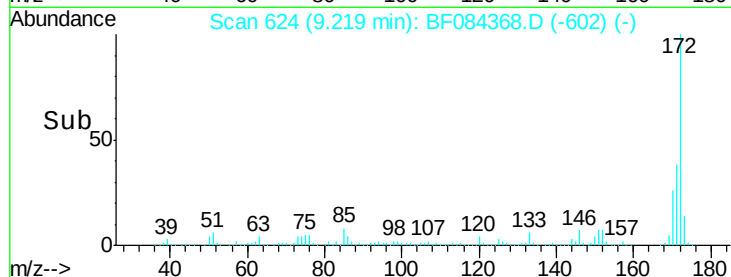
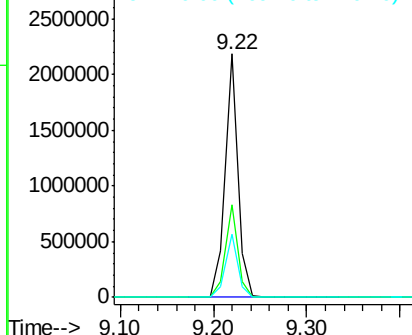
#44
2-Fluorobiphenyl
Concen: 74.86 ng
RT: 9.22 min Scan# 624
Delta R.T. -0.04 min
Lab File: BF084368.D
Acq: 10 Jan 2016 16:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 2087893
Ion Ratio Lower Upper
172 100
171 38.2 28.9 43.3
170 26.0 18.6 27.8

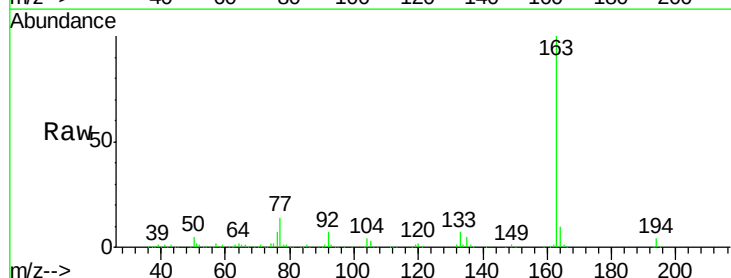


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

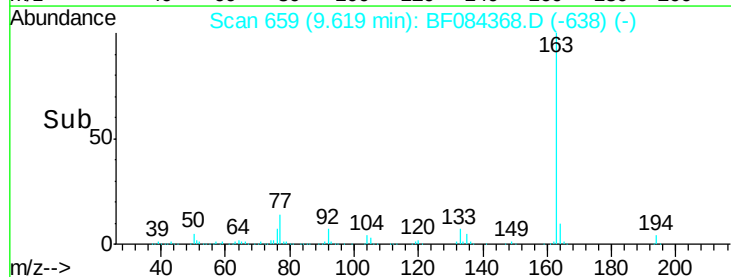
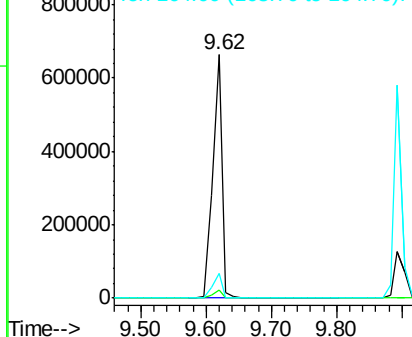


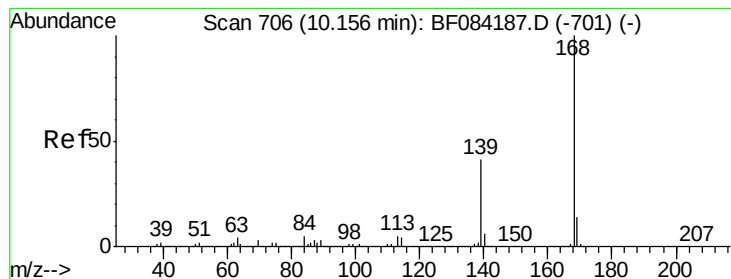
#49
Dimethylphthalate
Concen: 19.34 ng
RT: 9.62 min Scan# 659
Delta R.T. -0.06 min
Lab File: BF084368.D
Acq: 10 Jan 2016 16:49

Tgt Ion:163 Resp: 671659
Ion Ratio Lower Upper
163 100
194 3.6 8.0 12.0#
164 9.9 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#54

Dibenzofuran

Concen: Below Cal

RT: 10.10 min Scan# 701

Delta R.T. -0.06 min

Lab File: BF084368.D

Acq: 10 Jan 2016 16:49

Instrument :

BNA_F

ClientSampleId :

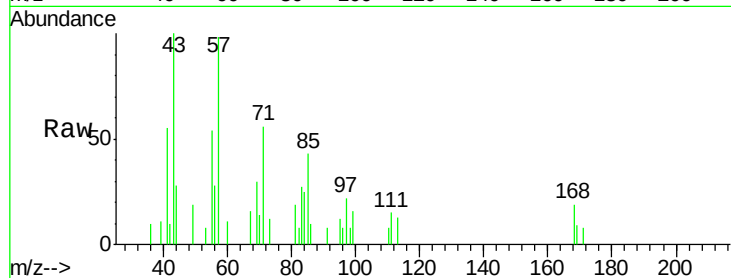
Tot Ion:168 Resp: 736

Ion Ratio Lower Upper

168 100

139 0.0 30.5 45.7#

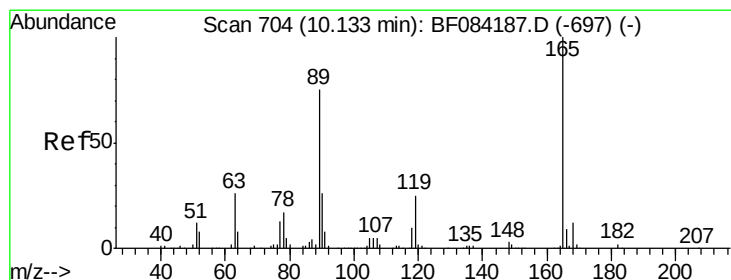
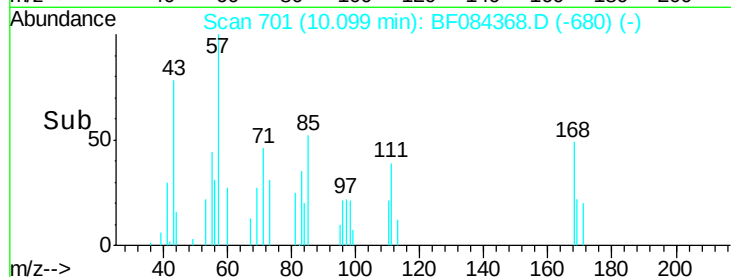
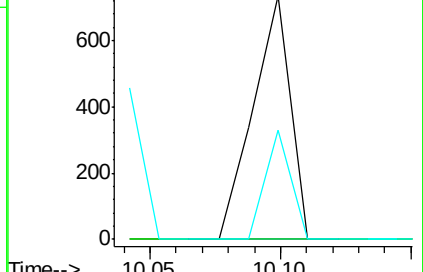
169 45.0 10.4 15.6#



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: 6.66 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.24 min

Lab File: BF084368.D

Acq: 10 Jan 2016 16:49

Tgt Ion:165 Resp: 64229

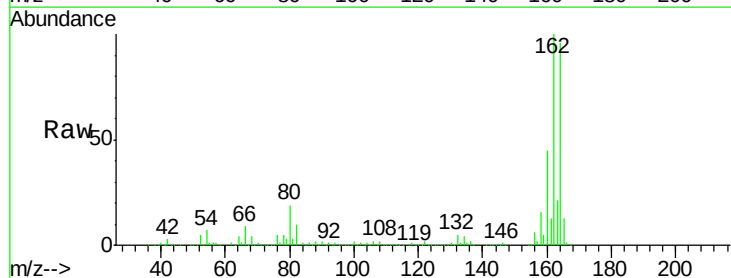
Ion Ratio Lower Upper

165 100

63 1.5 36.7 55.1#

89 1.5 61.9 92.9#

182 0.0 2.0 3.0#

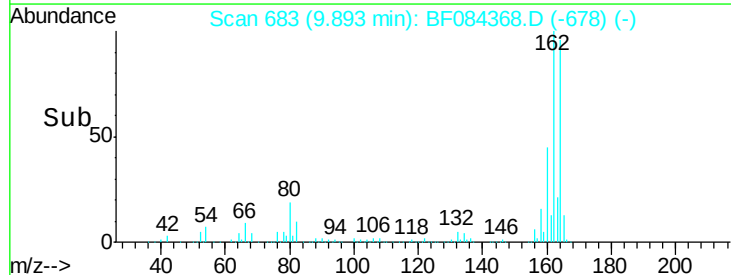
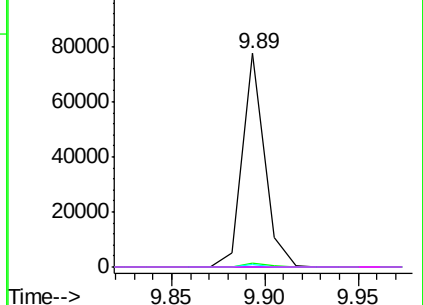


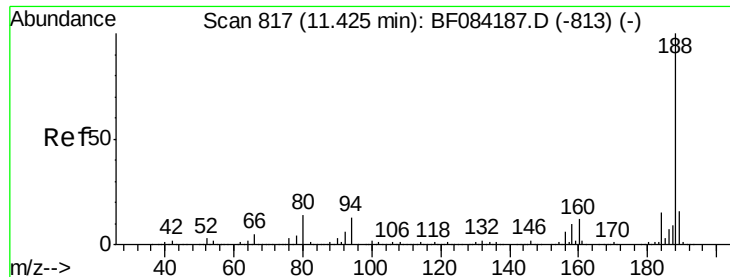
Abundance Ion 165.00 (164.70 to 165.70): E

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

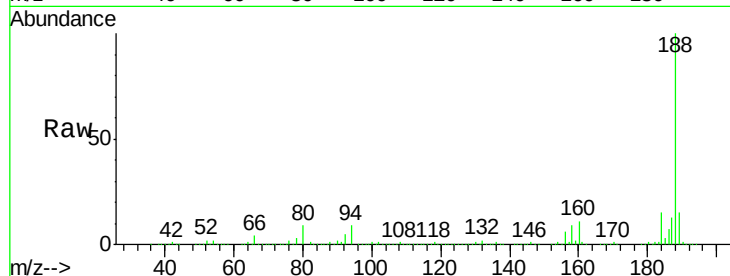




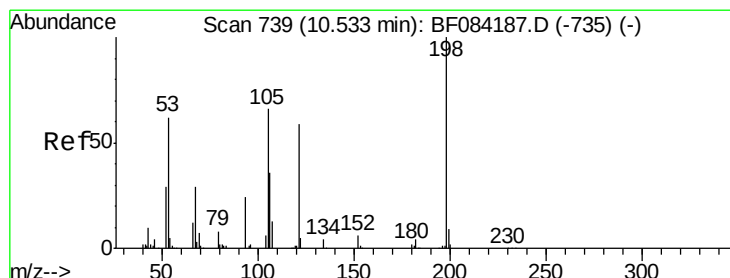
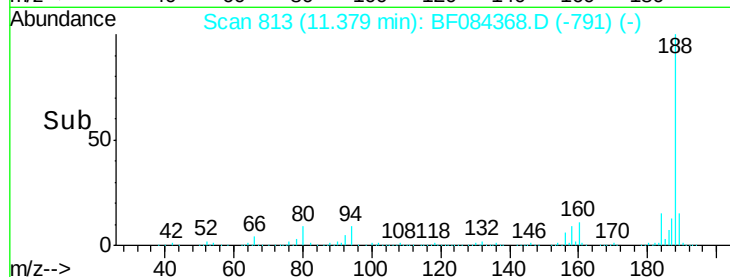
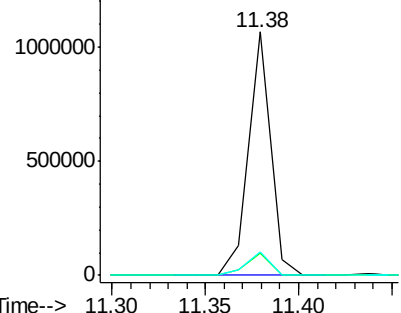
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.05 min
Lab File: BF084368.D
Acq: 10 Jan 2016 16:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 870422
Ion Ratio Lower Upper
188 100
94 9.0 9.0 13.4
80 9.4 9.6 14.4#

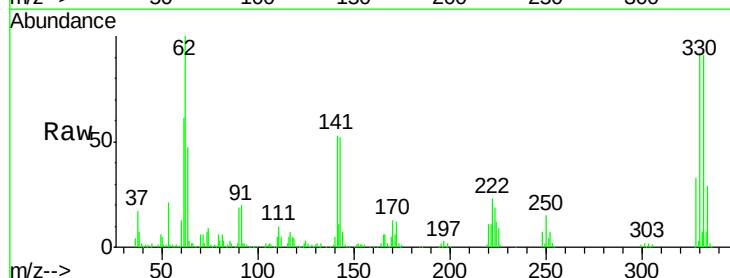


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

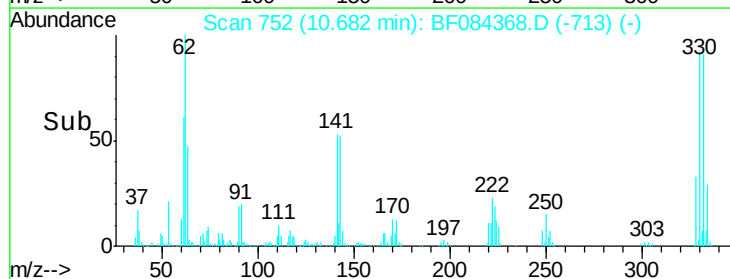
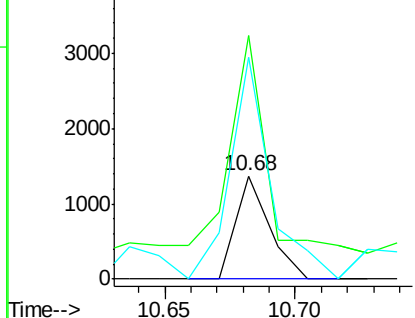


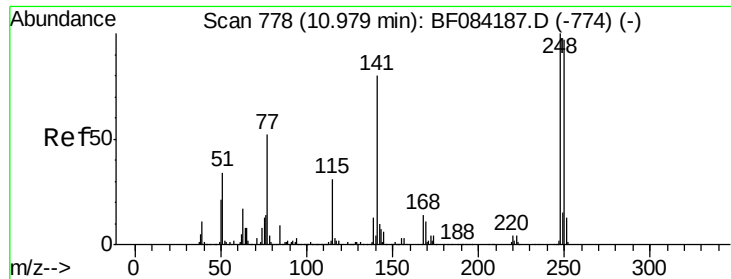
#64
4,6-Dinitro-2-methylphenol
Concen: 6.59 ng
RT: 10.68 min Scan# 752
Delta R.T. 0.15 min
Lab File: BF084368.D
Acq: 10 Jan 2016 16:49

Tgt Ion:198 Resp: 1231
Ion Ratio Lower Upper
198 100
51 236.5 18.9 58.9#
105 215.3 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: 3.52 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.30 min

Lab File: BF084368.D

Acq: 10 Jan 2016 16:49

Instrument :

BNA_F

ClientSampled :

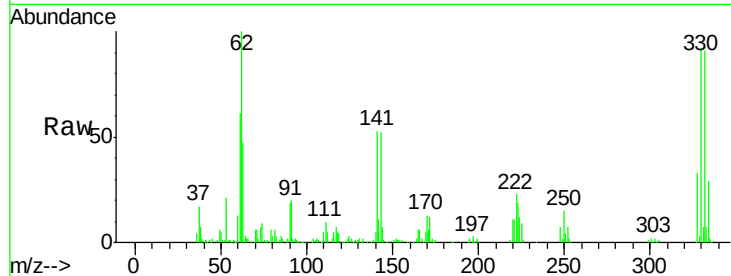
Tot Ion:248 Resp: 32983

Ion Ratio Lower Upper

248 100

250 207.2 78.4 117.6#

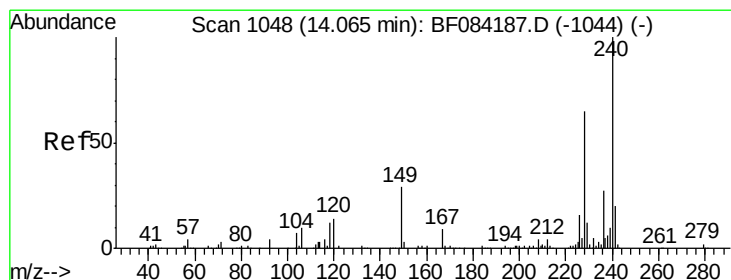
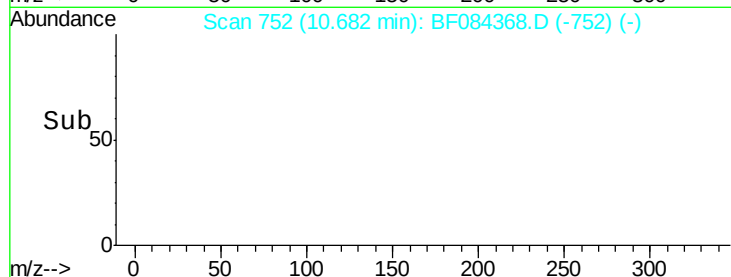
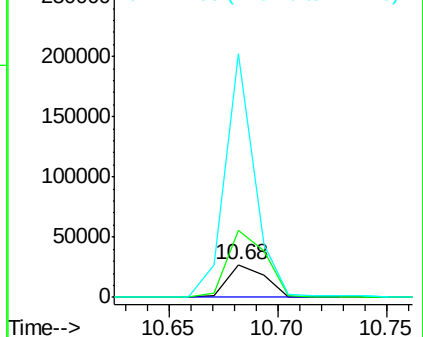
141 750.1 44.0 66.0#



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: BF084368.D

Acq: 10 Jan 2016 16:49

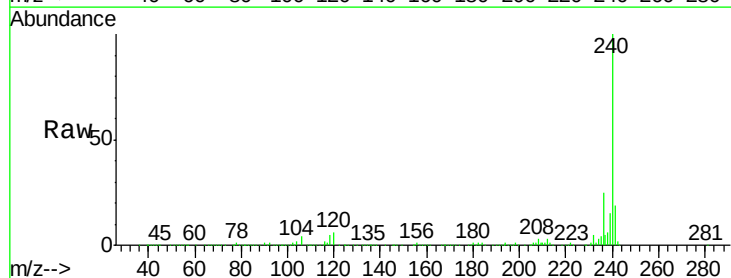
Tgt Ion:240 Resp: 571573

Ion Ratio Lower Upper

240 100

120 6.0 9.5 14.3#

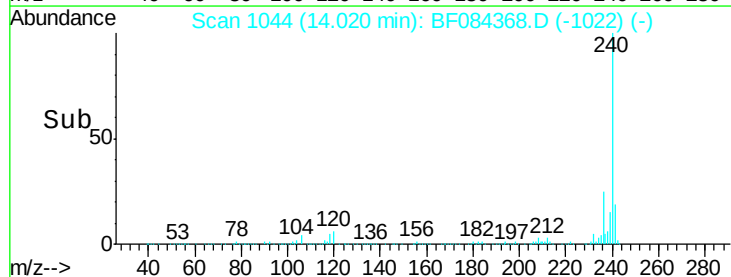
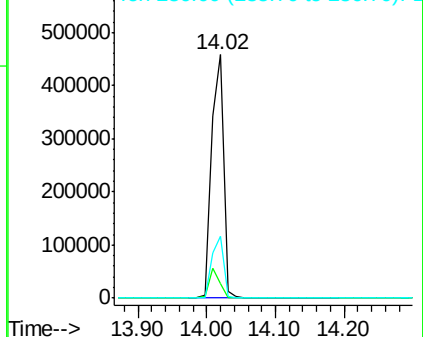
236 25.3 20.6 31.0

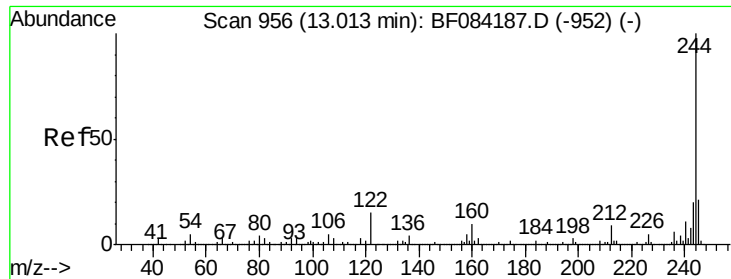


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

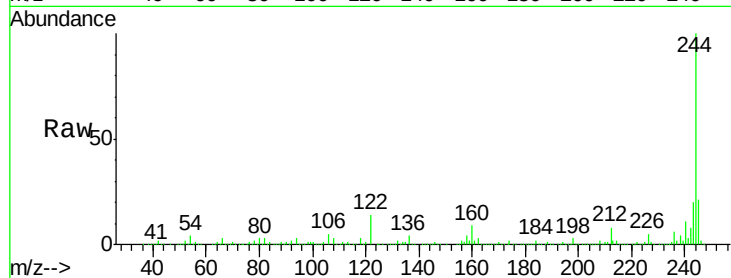




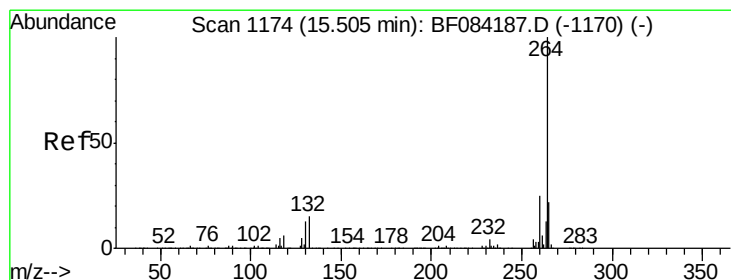
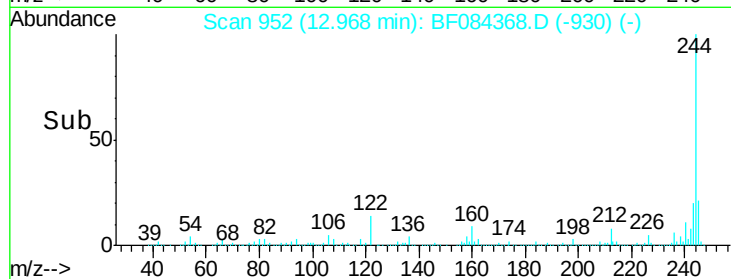
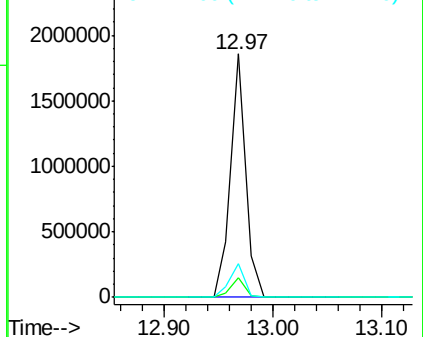
#78
 Terphenyl-d14
 Concen: 70.12 ng
 RT: 12.97 min Scan# 952
 Delta R.T. -0.05 min
 Lab File: BF084368.D
 Acq: 10 Jan 2016 16:49

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1795446
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.7 8.5
 122 13.6 7.4 11.0#

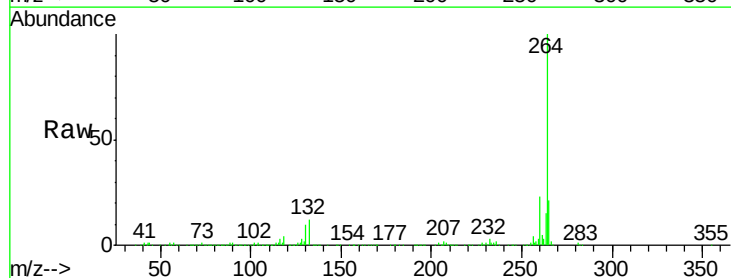


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.45 min Scan# 1169
 Delta R.T. -0.06 min
 Lab File: BF084368.D
 Acq: 10 Jan 2016 16:49

Tgt Ion:264 Resp: 471612
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.4 29.2
 265 21.0 17.8 26.6



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

