

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
 Data File : BF084251.D
 Acq On : 4 Jan 2016 20:52
 Operator : UM/SJ
 Sample : G4987-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM(116-142)COMPOSITE

Quant Time: Jan 05 01:31:24 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

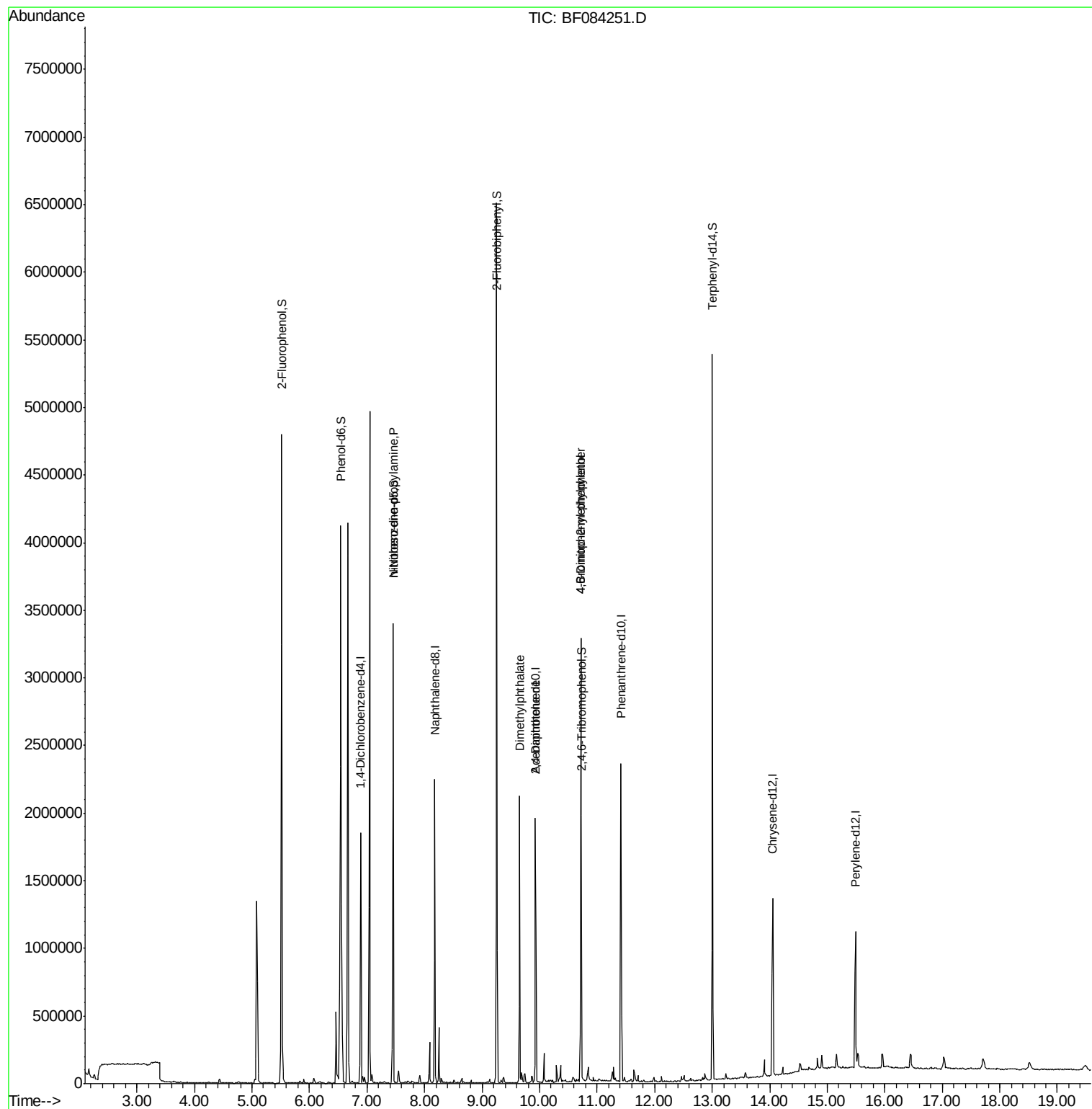
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	244586	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1079878	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	455412	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	793600	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	531456	20.00	ng	-0.01
86) Perylene-d12	15.49	264	518520	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	1633109	108.00	ng	0.02
7) Phenol-d6	6.54	99	2059312	108.43	ng	0.01
23) Nitrobenzene-d5	7.46	82	1332867	68.69	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	496790	108.05	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1889873	72.04	ng	-0.01
78) Terphenyl-d14	13.00	244	1466962	61.61	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	185908	14.46	ng	# 74
49) Dimethylphthalate	9.65	163	828112	25.44	ng	# 91
54) Dibenzofuran	10.13	168	348	Below Cal		# 45
56) 2,4-Dinitrotoluene	9.93	165	58552	6.48	ng	# 21
57) Fluorene	10.72	166	17985	Below Cal		# 90
64) 4,6-Dinitro-2-methylphenol	10.72	198	1031	6.58	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	29595	3.46	ng	# 1
73) Di-n-butylphthalate	11.99	149	17448	Below Cal		98

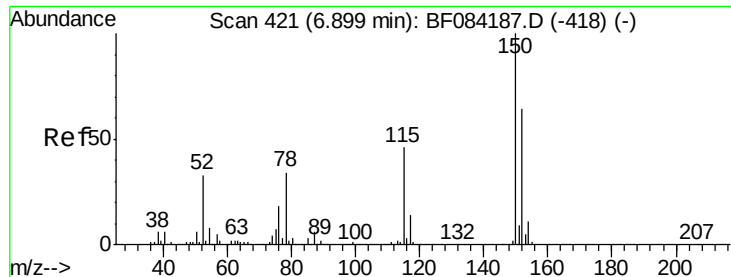
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 05 01:31:24 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: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF084251.D

Acq: 4 Jan 2016 20:52

Instrument :

BNA_F

ClientSampleId :

DRUM(116-142)COMPOSITE

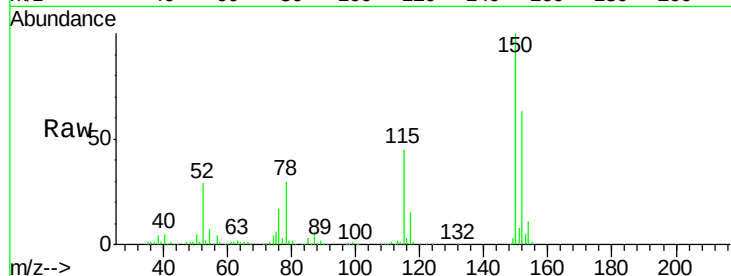
Tgt Ion:152 Resp: 244586

Ion Ratio Lower Upper

152 100

150 158.2 123.0 184.4

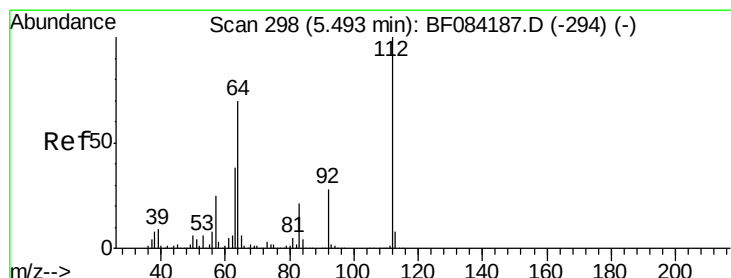
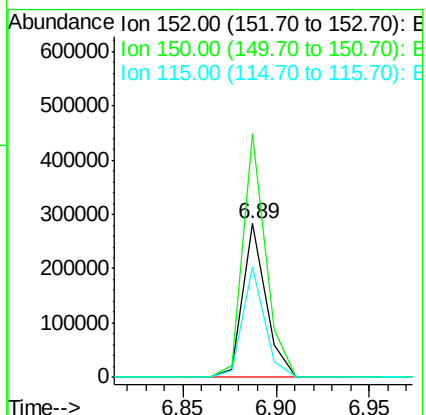
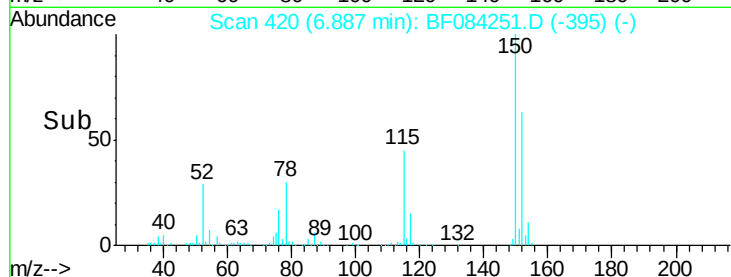
115 71.7 51.4 77.2



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: 108.00 ng

RT: 5.52 min Scan# 300

Delta R.T. 0.02 min

Lab File: BF084251.D

Acq: 4 Jan 2016 20:52

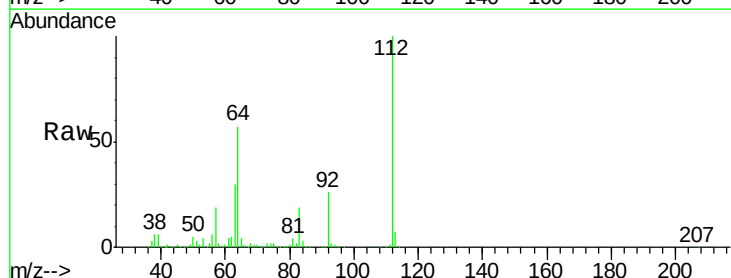
Tgt Ion:112 Resp: 1633109

Ion Ratio Lower Upper

112 100

64 57.3 36.6 55.0#

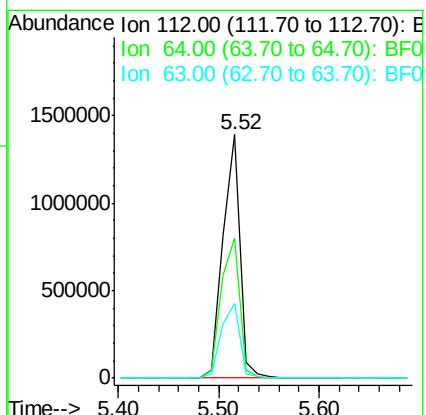
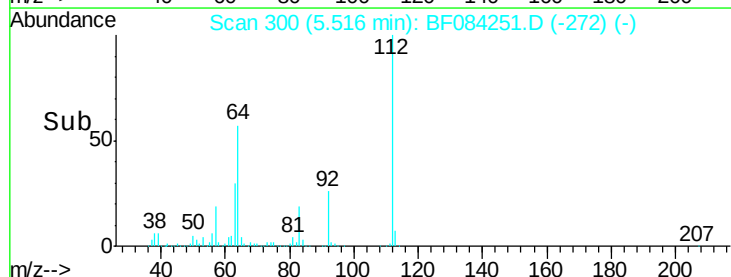
63 30.4 19.4 29.0#

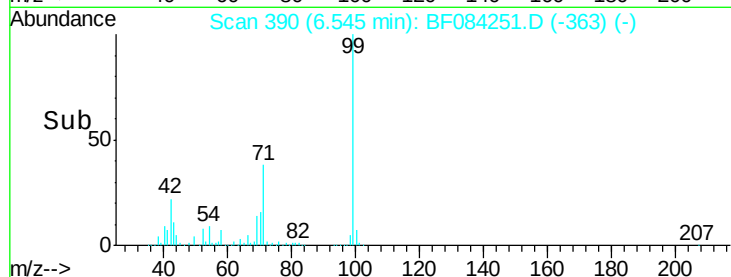
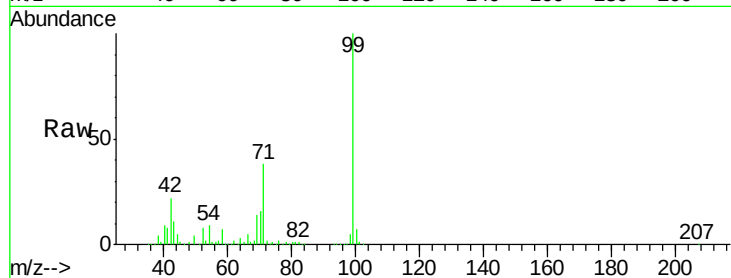
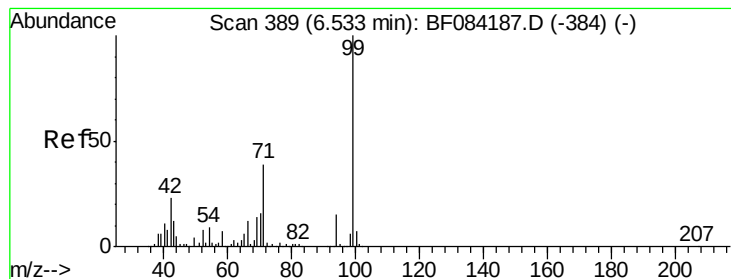


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 108.43 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.01 min

Lab File: BF084251.D

Acq: 4 Jan 2016 20:52

Instrument :

BNA_F

ClientSampleId :

DRUM(116-142)COMPOSITE

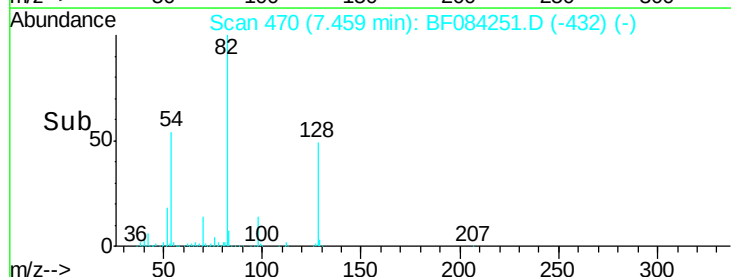
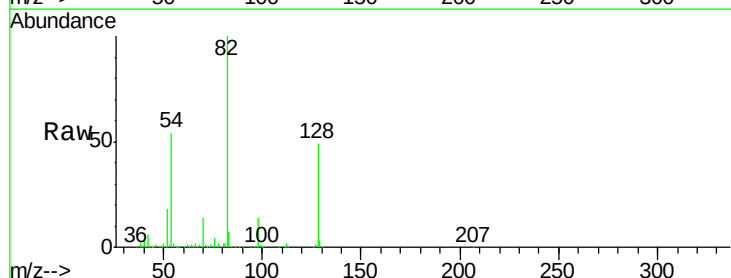
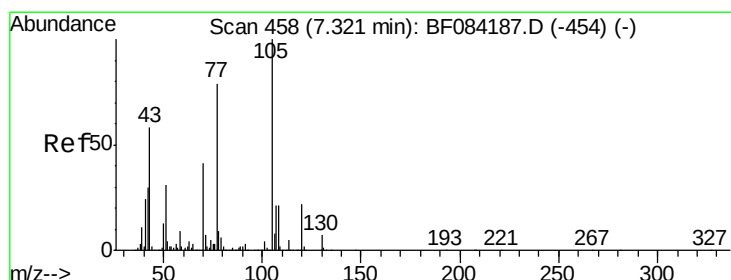
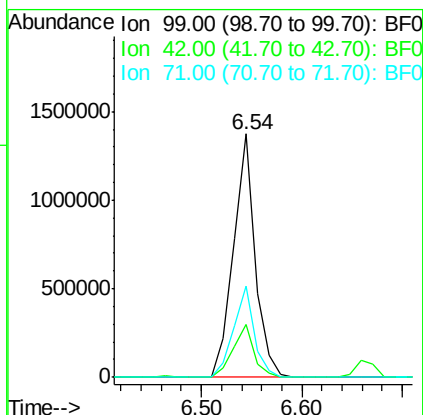
Tgt Ion: 99 Resp: 2059312

Ion Ratio Lower Upper

99 100

42 21.9 12.8 19.2#

71 37.5 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 14.46 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.14 min

Lab File: BF084251.D

Acq: 4 Jan 2016 20:52

Tgt Ion: 70 Resp: 185908

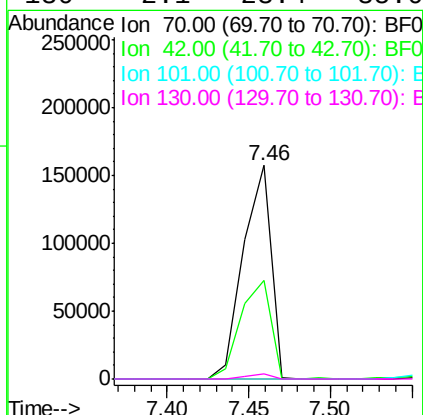
Ion Ratio Lower Upper

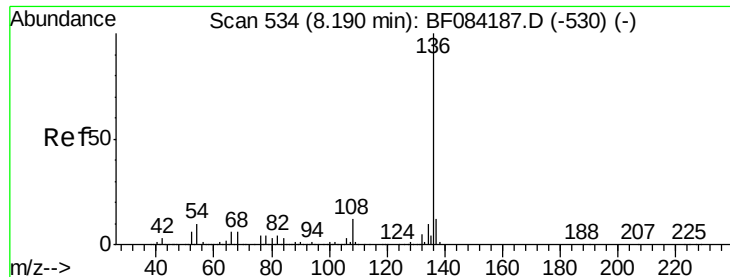
70 100

42 45.9 33.3 49.9

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF084251.D

Acq: 4 Jan 2016 20:52

Instrument :

BNA_F

ClientSampleId :

DRUM(116-142)COMPOSITE

Tgt Ion:136 Resp: 1079878

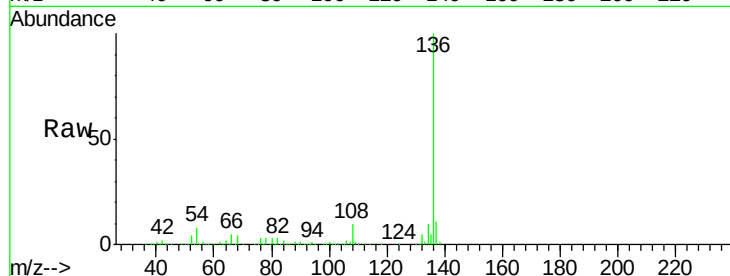
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 7.8 5.8 8.8

68 4.4 4.2 6.2

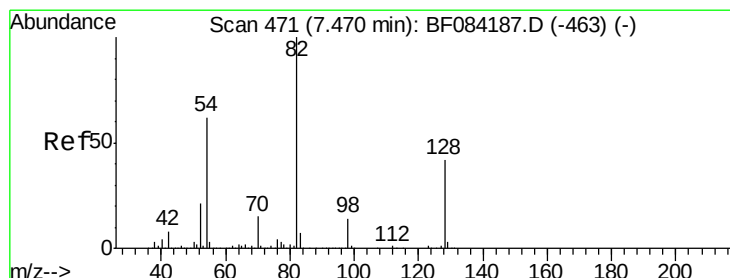
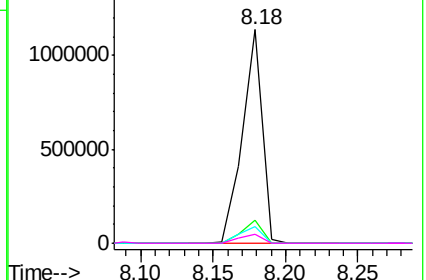
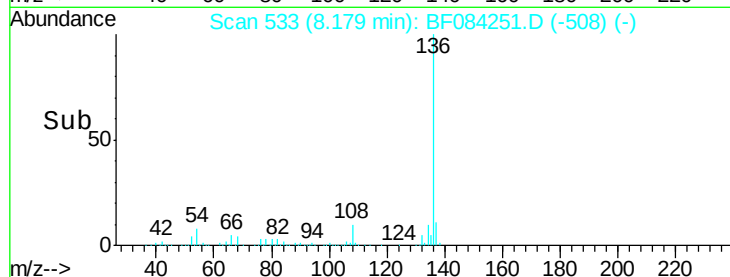


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.69 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF084251.D

Acq: 4 Jan 2016 20:52

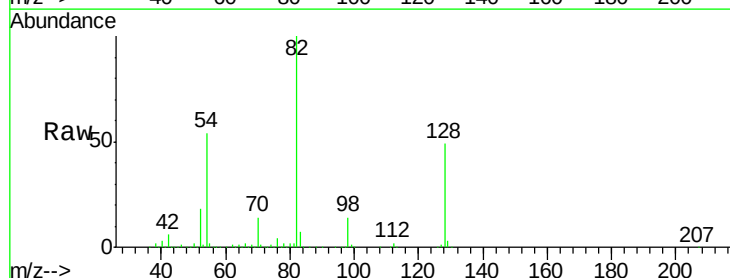
Tgt Ion: 82 Resp: 1332867

Ion Ratio Lower Upper

82 100

128 48.8 34.6 51.8

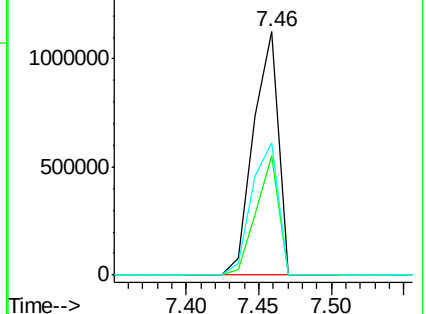
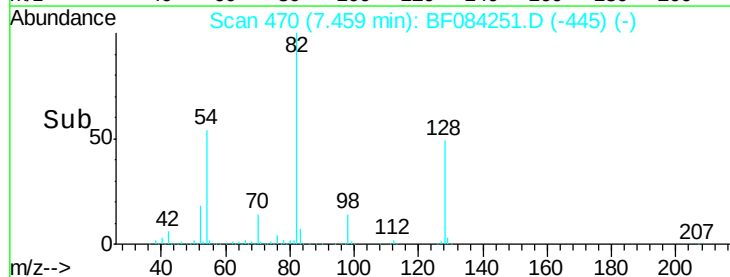
54 54.4 38.4 57.6

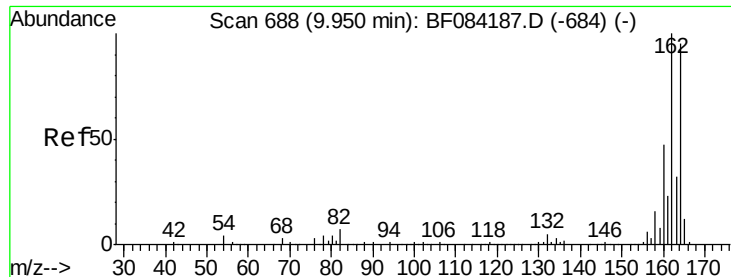


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.93 min Scan# 686

Delta R.T. -0.02 min

Lab File: BF084251.D

Acq: 4 Jan 2016 20:52

Instrument :

BNA_F

ClientSampleId :

DRUM(116-142)COMPOSITE

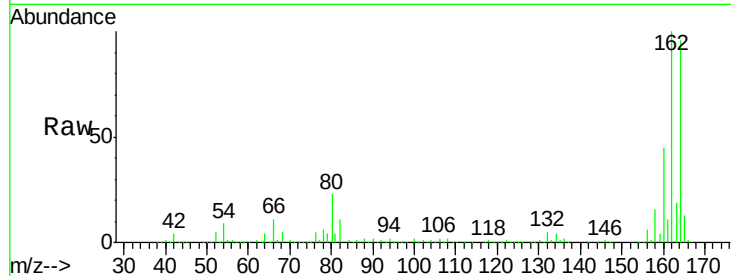
Tgt Ion:164 Resp: 455412

Ion Ratio Lower Upper

164 100

162 104.1 85.1 127.7

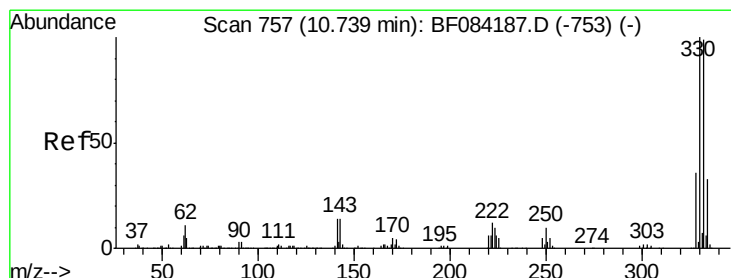
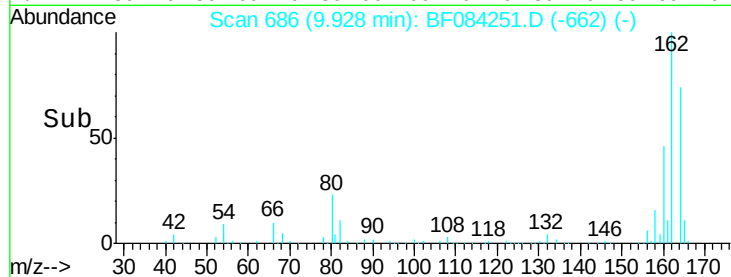
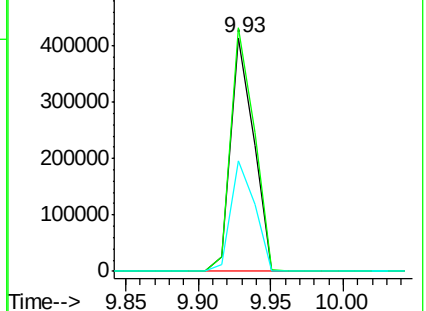
160 47.2 37.5 56.3



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: 108.05 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF084251.D

Acq: 4 Jan 2016 20:52

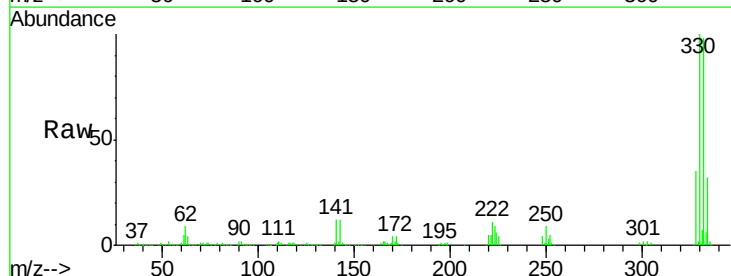
Tgt Ion:330 Resp: 496790

Ion Ratio Lower Upper

330 100

332 96.7 76.6 114.8

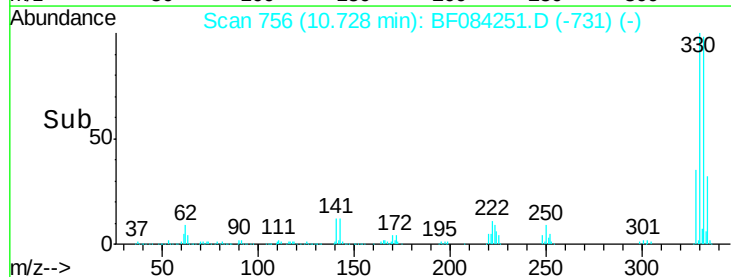
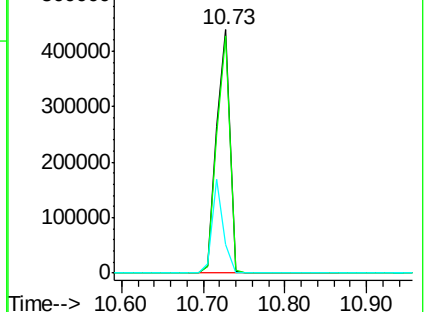
141 33.3 27.8 41.6

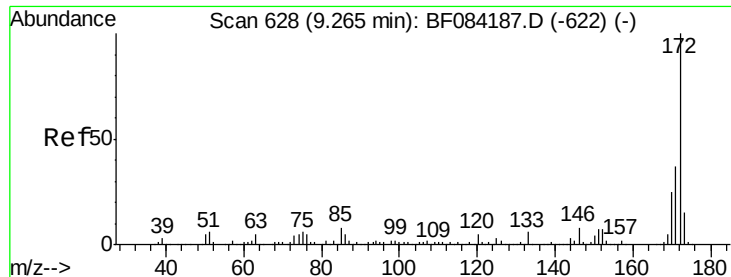


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

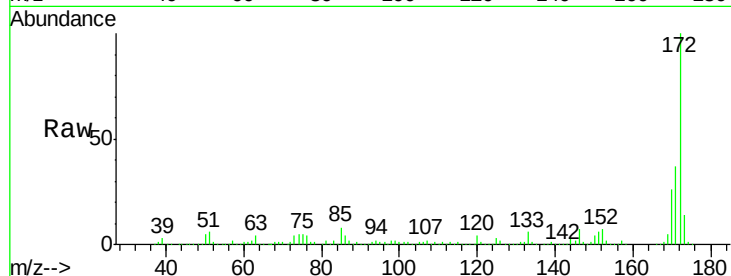




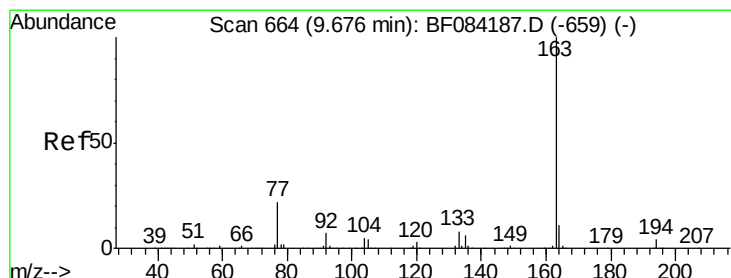
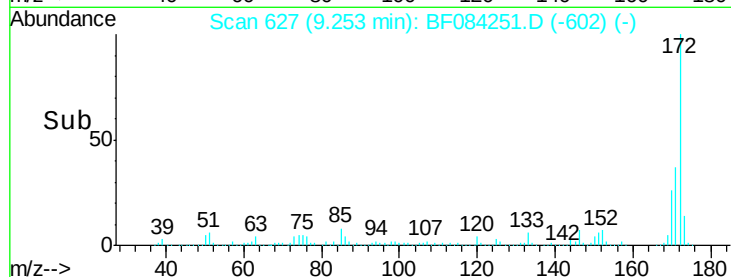
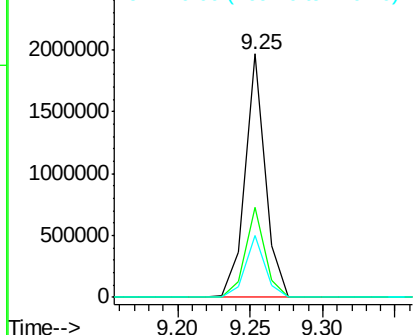
#44
 2-Fluorobiphenyl
 Concen: 72.04 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF084251.D
 Acq: 4 Jan 2016 20:52

Instrument :
 BNA_F
 ClientSampleId :
 DRUM(116-142)COMPOSITE

Tgt Ion:172 Resp: 1889873
 Ion Ratio Lower Upper
 172 100
 171 37.2 28.9 43.3
 170 25.5 18.6 27.8

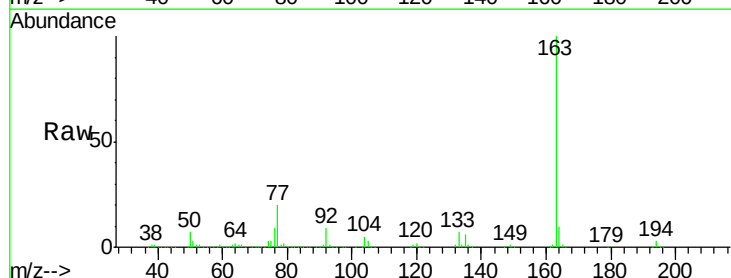


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

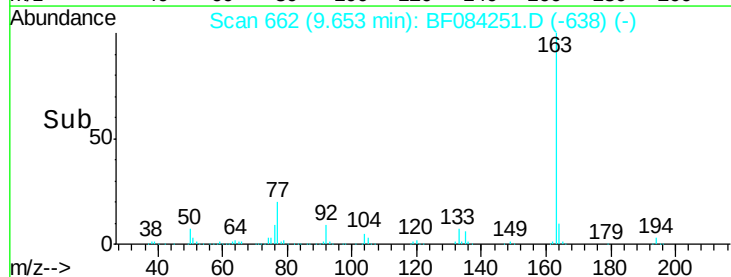
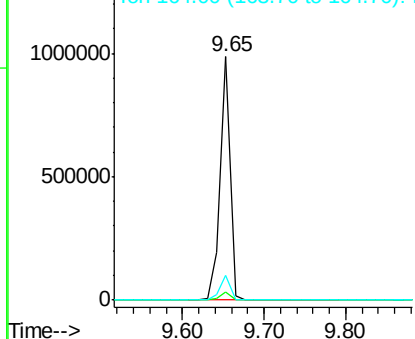


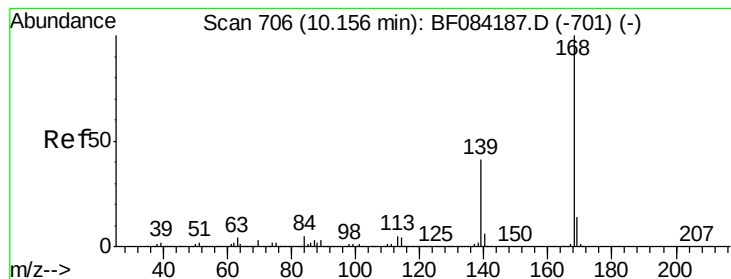
#49
 Dimethylphthalate
 Concen: 25.44 ng
 RT: 9.65 min Scan# 662
 Delta R.T. -0.02 min
 Lab File: BF084251.D
 Acq: 4 Jan 2016 20:52

Tgt Ion:163 Resp: 828112
 Ion Ratio Lower Upper
 163 100
 194 3.4 8.0 12.0#
 164 10.2 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: 10.13 min Scan# 704

Delta R.T. -0.02 min

Lab File: BF084251.D

Acq: 4 Jan 2016 20:52

Instrument :

BNA_F

ClientSampleId :

DRUM(116-142)COMPOSITE

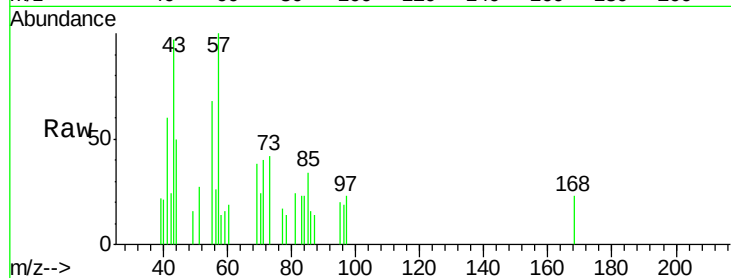
Tgt Ion:168 Resp: 348

Ion Ratio Lower Upper

168 100

139 0.0 30.5 45.7#

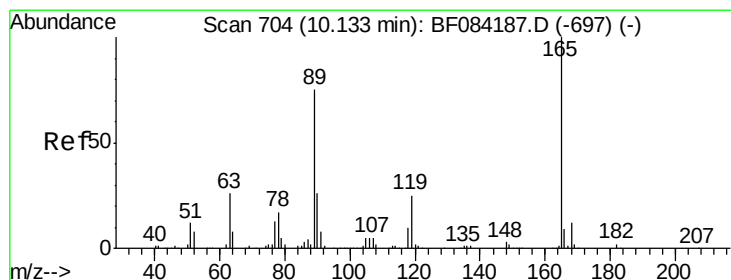
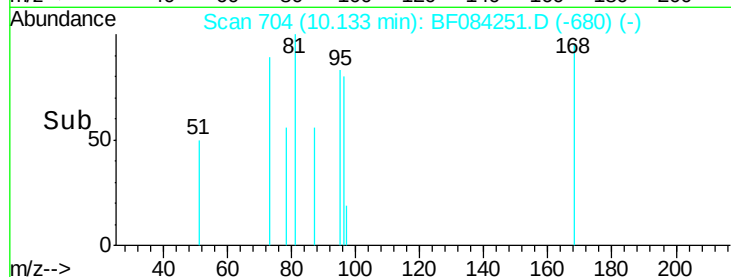
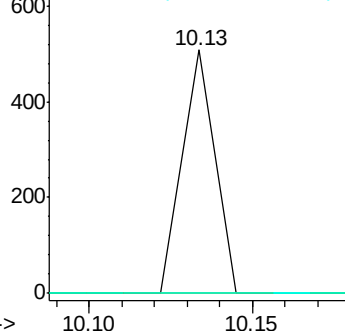
169 0.0 10.4 15.6#



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: 6.48 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.21 min

Lab File: BF084251.D

Acq: 4 Jan 2016 20:52

Tgt Ion:165 Resp: 58552

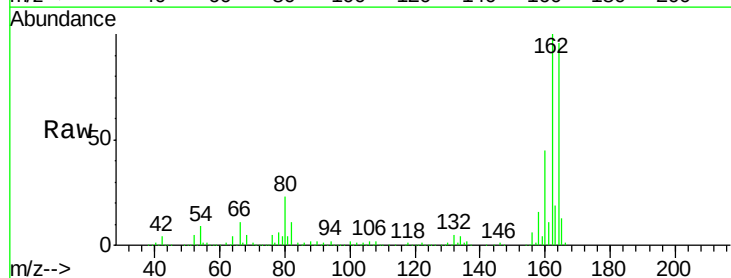
Ion Ratio Lower Upper

165 100

63 1.2 36.7 55.1#

89 1.3 61.9 92.9#

182 0.0 2.0 3.0#

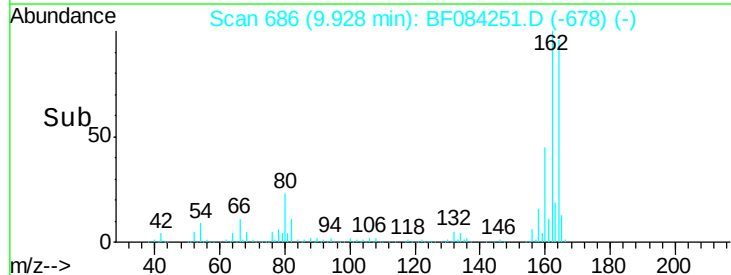
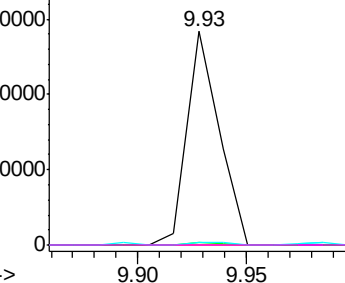


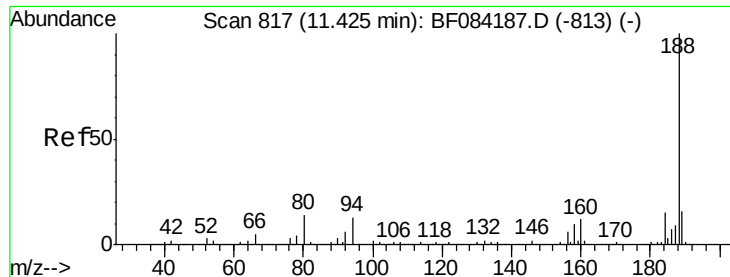
Abundance Ion 165.00 (164.70 to 165.70): E

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

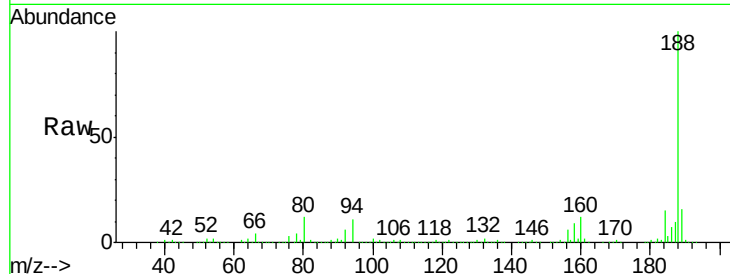




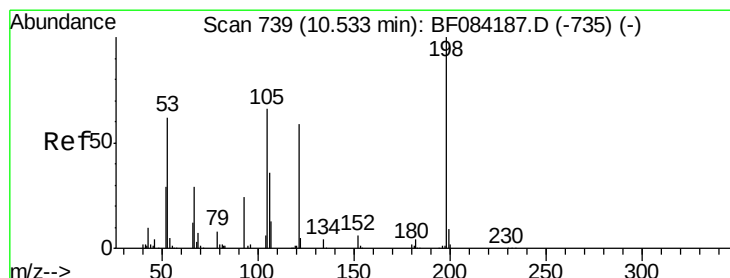
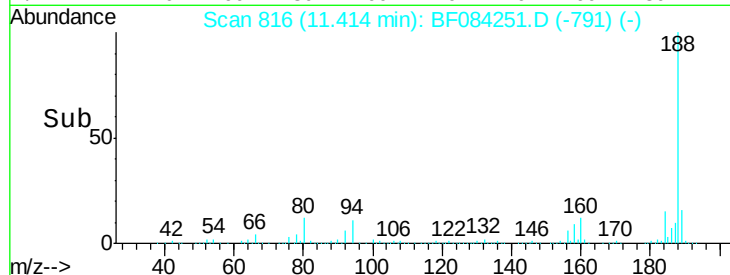
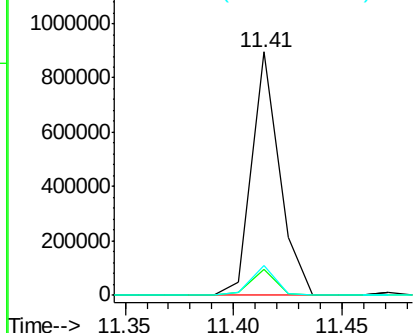
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF084251.D
Acq: 4 Jan 2016 20:52

Instrument :
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ClientSampleId :
DRUM(116-142)COMPOSITE

Tgt Ion:188 Resp: 793600
Ion Ratio Lower Upper
188 100
94 10.9 9.0 13.4
80 12.0 9.6 14.4

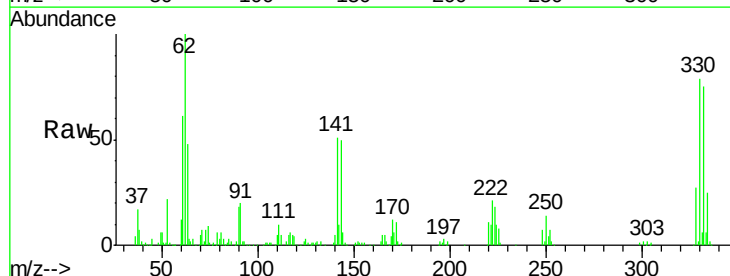


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

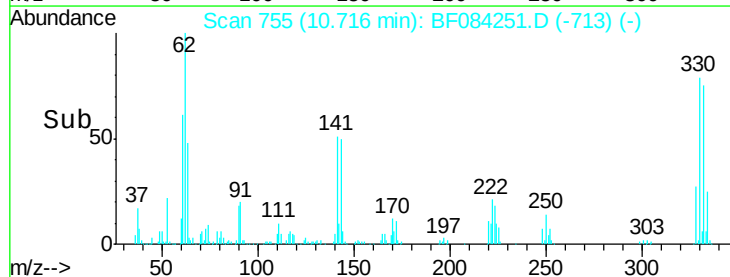
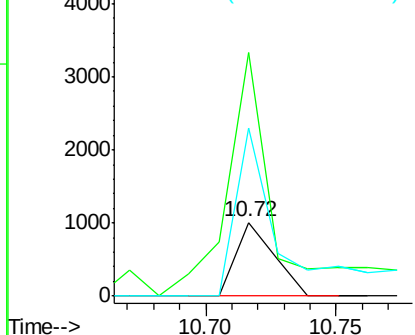


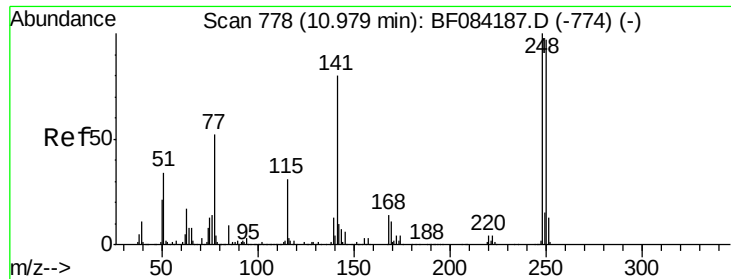
#64
4,6-Dinitro-2-methylphenol
Concen: 6.58 ng
RT: 10.72 min Scan# 755
Delta R.T. 0.18 min
Lab File: BF084251.D
Acq: 4 Jan 2016 20:52

Tgt Ion:198 Resp: 1031
Ion Ratio Lower Upper
198 100
51 330.4 18.9 58.9#
105 227.4 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: 3.46 ng

RT: 10.72 min Scan# 755

Delta R.T. -0.26 min

Lab File: BF084251.D

Acq: 4 Jan 2016 20:52

Instrument :

BNA_F

ClientSampleId :

DRUM(116-142)COMPOSITE

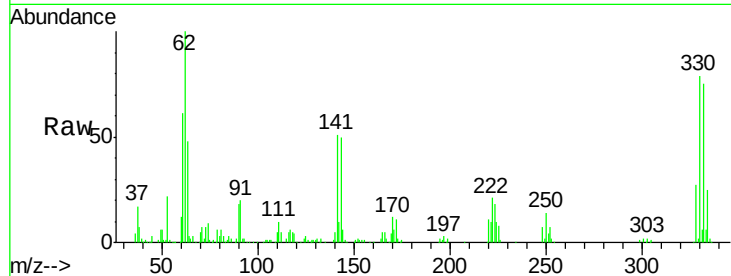
Tgt Ion:248 Resp: 29595

Ion Ratio Lower Upper

248 100

250 204.6 78.4 117.6#

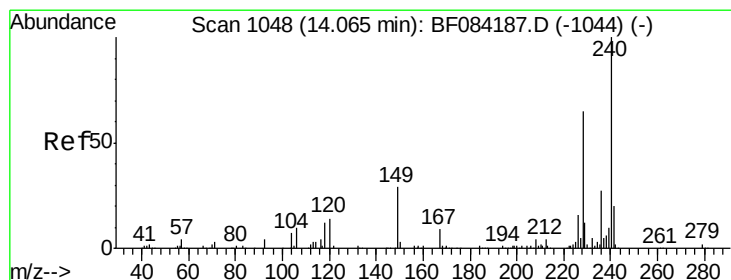
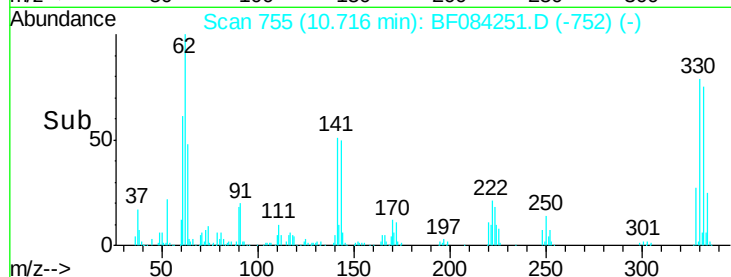
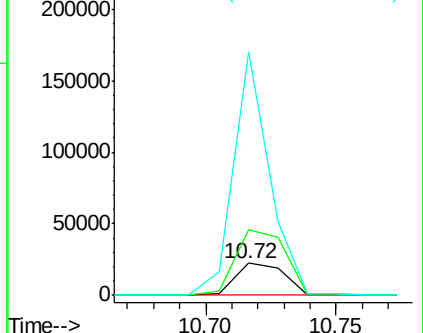
141 761.9 44.0 66.0#



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: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF084251.D

Acq: 4 Jan 2016 20:52

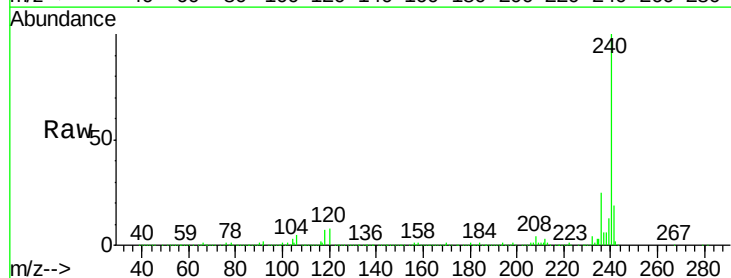
Tgt Ion:240 Resp: 531456

Ion Ratio Lower Upper

240 100

120 7.6 9.5 14.3#

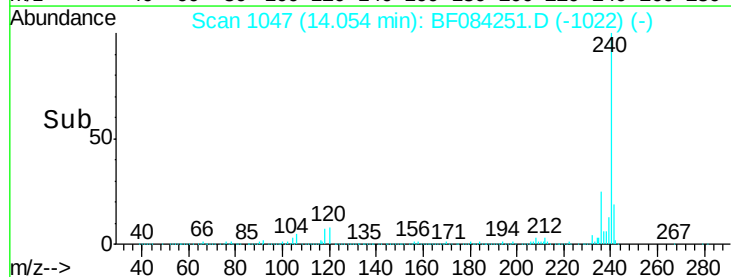
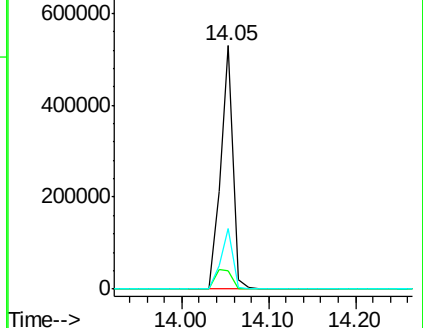
236 24.8 20.6 31.0

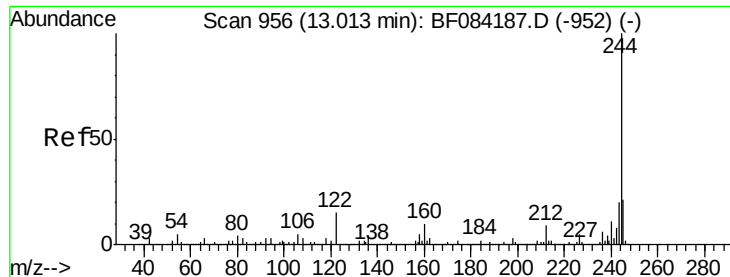


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 61.61 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF084251.D

Acq: 4 Jan 2016 20:52

Instrument :

BNA_F

ClientSampleId :

DRUM(116-142)COMPOSITE

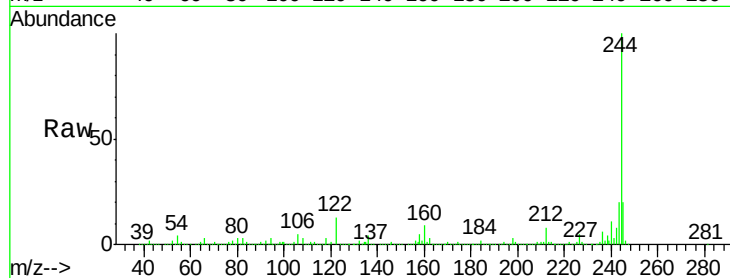
Tgt Ion:244 Resp: 1466962

Ion Ratio Lower Upper

244 100

212 7.9 5.7 8.5

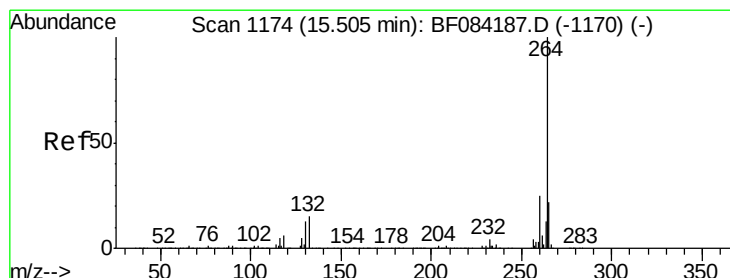
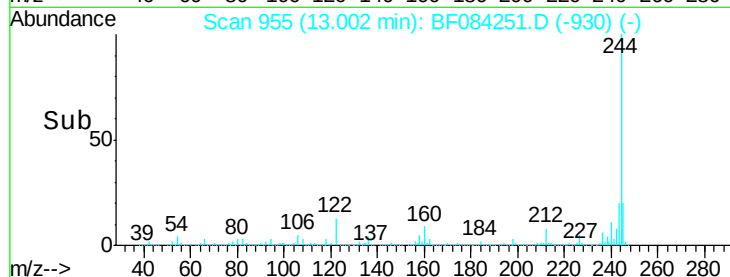
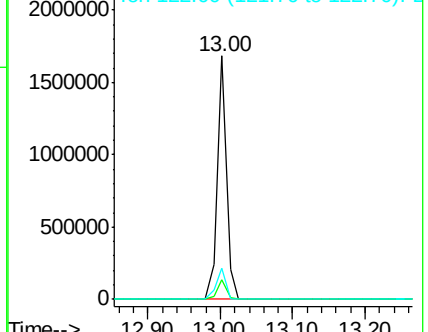
122 12.9 7.4 11.0#



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: 15.49 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF084251.D

Acq: 4 Jan 2016 20:52

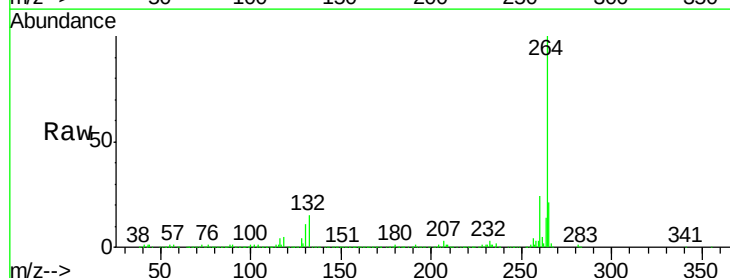
Tgt Ion:264 Resp: 518520

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 20.7 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

