

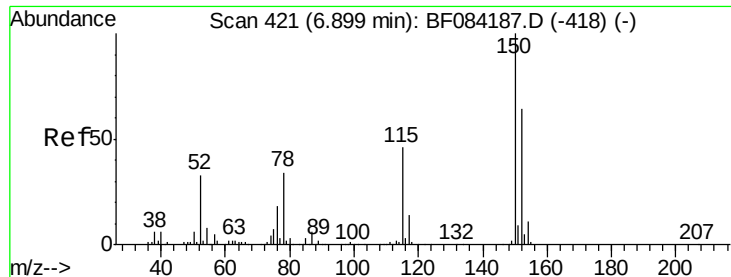
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
 Data File : BF084269.D
 Acq On : 5 Jan 2016 6:54
 Operator : UM/SJ
 Sample : G4987-02
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

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

Quant Time: Jan 05 07:35:34 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	253105	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1108932	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	478766	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	792088	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	552721	20.00	ng	-0.01
86) Perylene-d12	15.49	264	536755	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	2270514	145.10	ng	0.04
7) Phenol-d6	6.54	99	2611752	132.89	ng	0.01
23) Nitrobenzene-d5	7.46	82	1900318	95.37	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	684585	141.63	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	2730550	101.56	ng	-0.01
78) Terphenyl-d14	13.00	244	2017726	81.49	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	276262	20.77	ng	Qvalue # 69
31) Naphthalene	8.20	128	317170	6.30	ng	97
32) Benzoic acid	7.88	122	3200	6.48	ng	88
50) 2,6-Dinitrotoluene	9.93	165	60651	8.08	ng	# 38
51) Acenaphthene	9.96	154	60907	2.06	ng	96
54) Dibenzofuran	10.13	168	44386	Below Cal		99
55) 4-Nitrophenol	10.13	139	16760	2.48	ng	# 11
56) 2,4-Dinitrotoluene	9.93	165	60655	6.38	ng	# 21
57) Fluorene	10.48	166	37072	Below Cal		98
64) 4,6-Dinitro-2-methylphenol	10.72	198	1218	6.61	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	39610	4.65	ng	# 1
73) Di-n-butylphthalate	11.98	149	9029	Below Cal		# 97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF084269.D

Acq: 5 Jan 2016 6:54

Instrument :

BNA_F

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DRUM(116-142)COMPOSITE

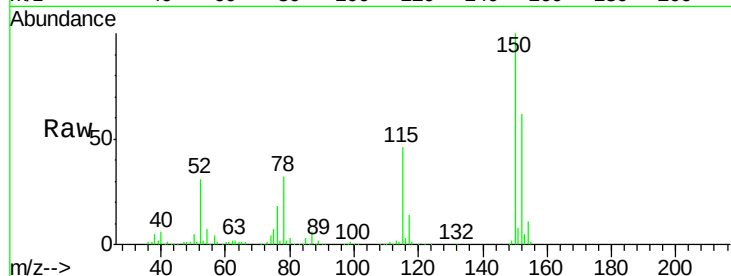
Tgt Ion:152 Resp: 253105

Ion Ratio Lower Upper

152 100

150 160.6 123.0 184.4

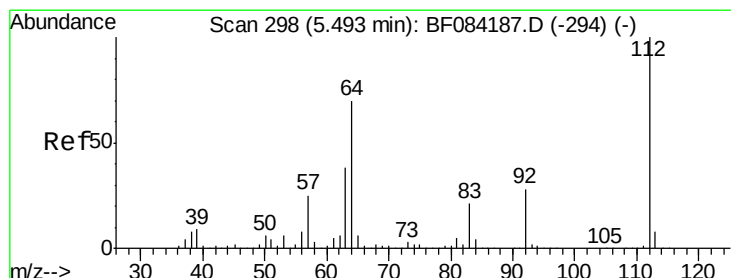
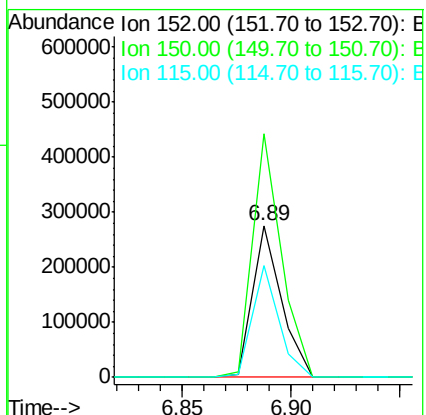
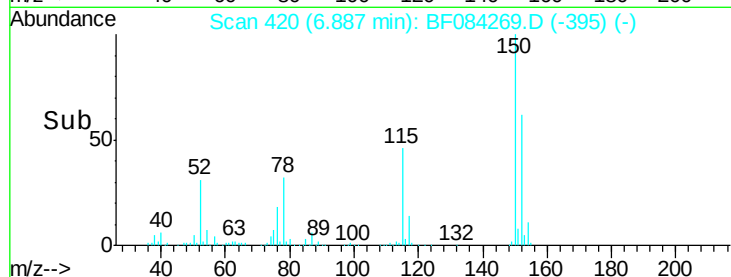
115 73.8 51.4 77.2



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: 145.10 ng

RT: 5.53 min Scan# 301

Delta R.T. 0.04 min

Lab File: BF084269.D

Acq: 5 Jan 2016 6:54

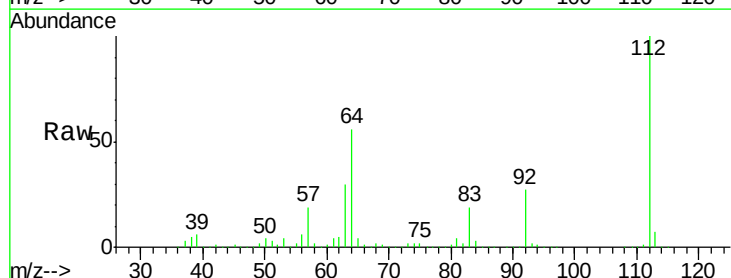
Tgt Ion:112 Resp: 2270514

Ion Ratio Lower Upper

112 100

64 56.3 36.6 55.0#

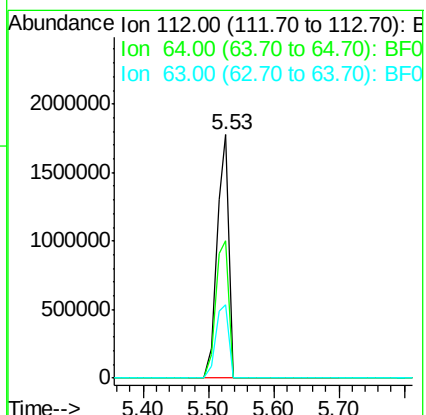
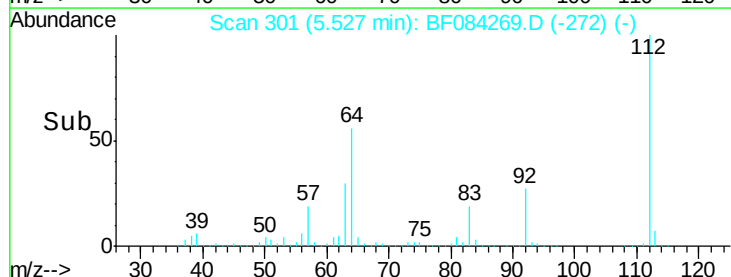
63 30.2 19.4 29.0#

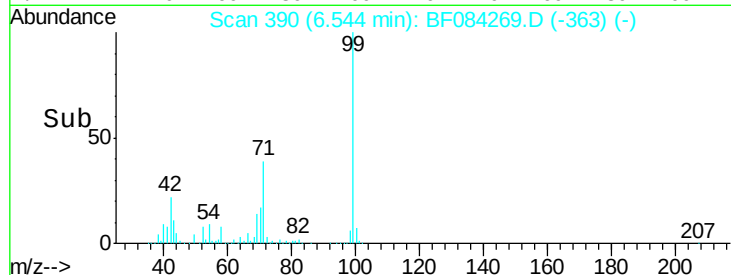
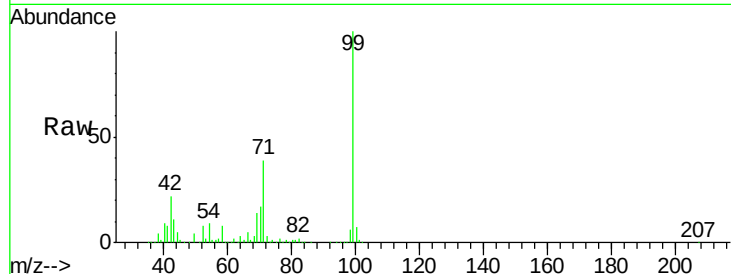
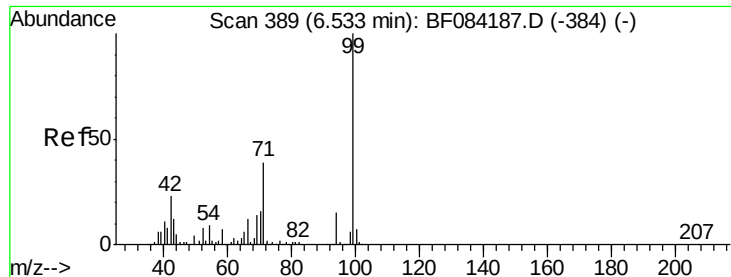


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 132.89 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.01 min

Lab File: BF084269.D

Acq: 5 Jan 2016 6:54

Instrument :

BNA_F

ClientSampleId :

DRUM(116-142)COMPOSITE

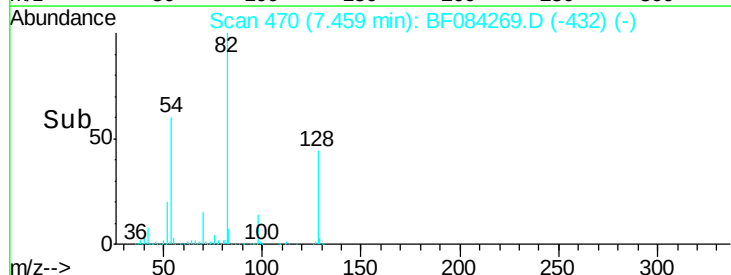
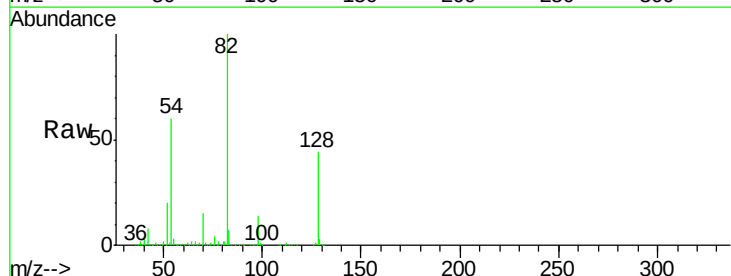
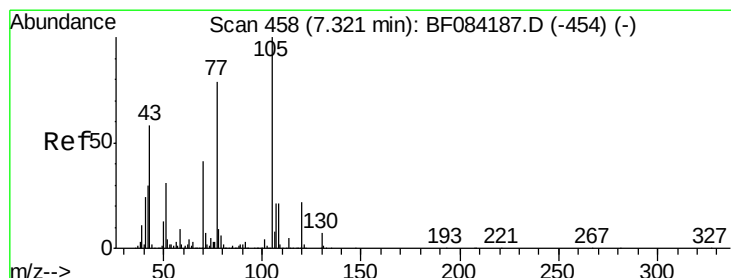
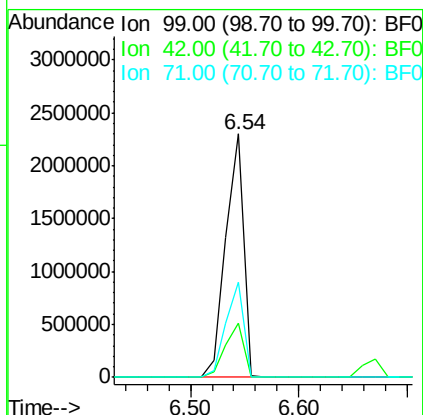
Tgt Ion: 99 Resp: 2611752

Ion Ratio Lower Upper

99 100

42 22.3 12.8 19.2#

71 39.1 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 20.77 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.14 min

Lab File: BF084269.D

Acq: 5 Jan 2016 6:54

Tgt Ion: 70 Resp: 276262

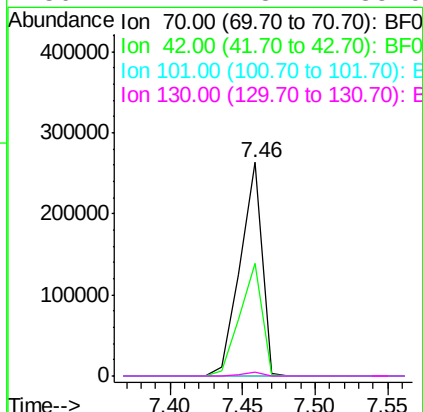
Ion Ratio Lower Upper

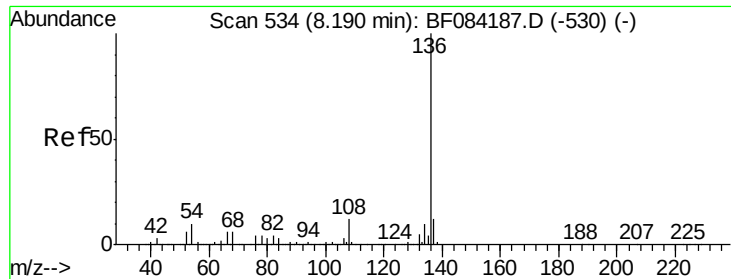
70 100

42 53.0 33.3 49.9#

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#

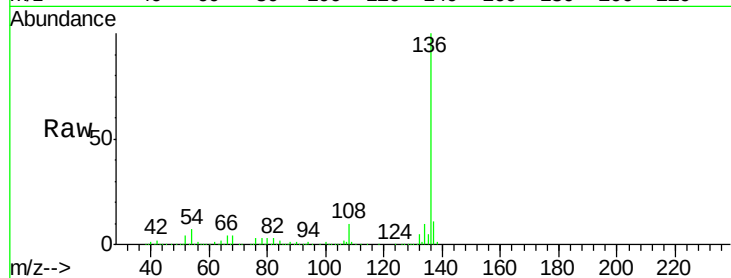




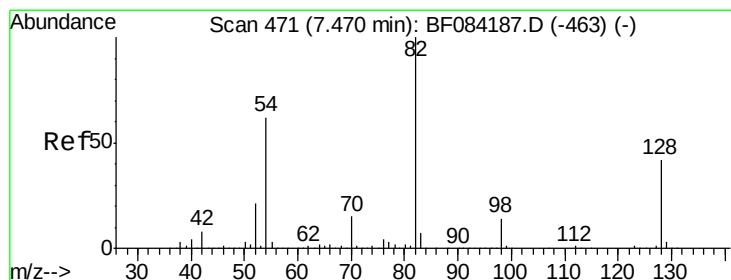
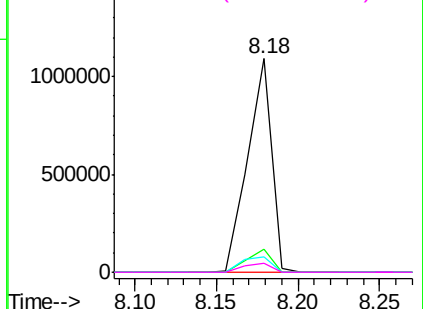
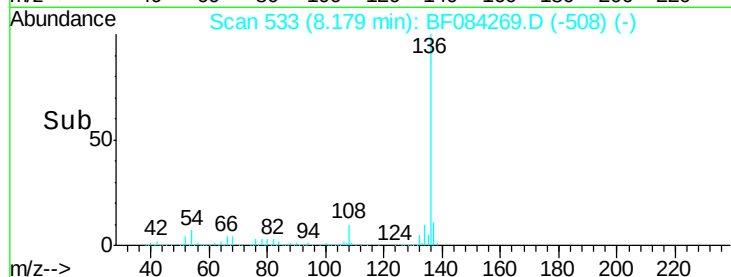
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF084269.D
Acq: 5 Jan 2016 6:54

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

Tgt Ion:136 Resp: 1108932
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.2 5.8 8.8
68 4.5 4.2 6.2

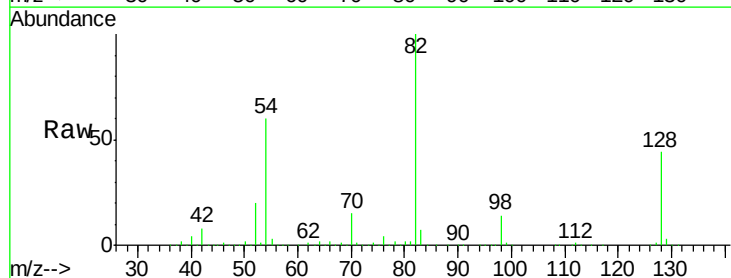


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

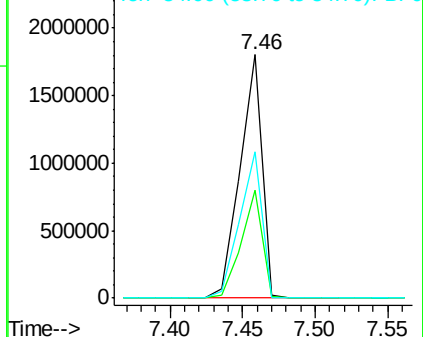
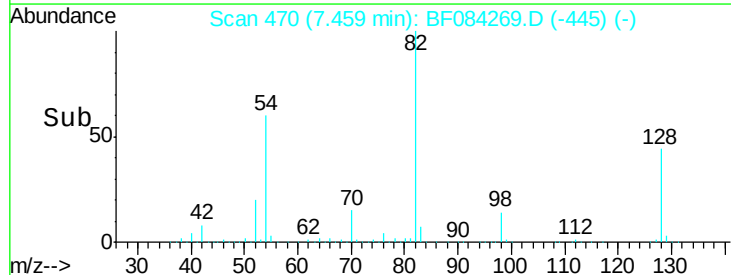


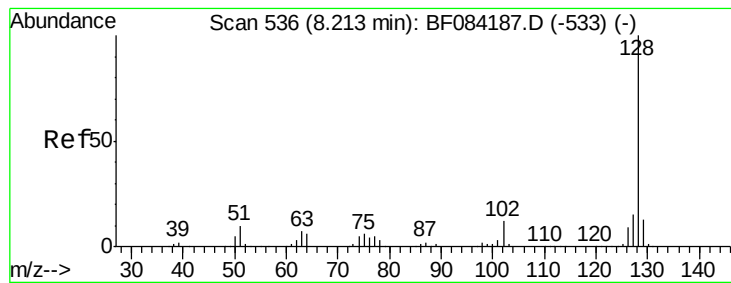
#23
Nitrobenzene-d5
Concen: 95.37 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.01 min
Lab File: BF084269.D
Acq: 5 Jan 2016 6:54

Tgt Ion: 82 Resp: 1900318
Ion Ratio Lower Upper
82 100
128 44.1 34.6 51.8
54 60.3 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





#31

Naphthalene

Concen: 6.30 ng

RT: 8.20 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF084269.D

Acq: 5 Jan 2016 6:54

Instrument :

BNA_F

ClientSampleId :

DRUM(116-142)COMPOSITE

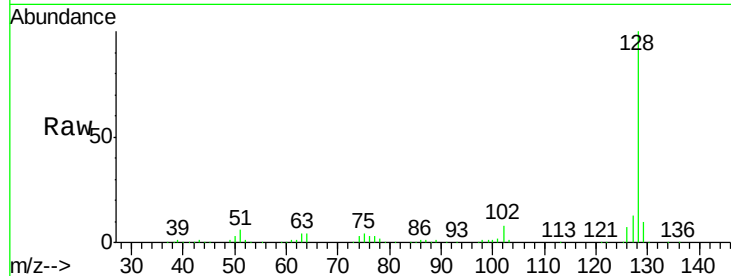
Tgt Ion:128 Resp: 317170

Ion Ratio Lower Upper

128 100

129 10.4 9.1 13.7

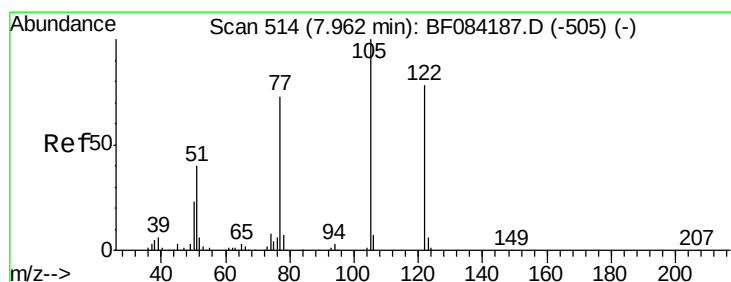
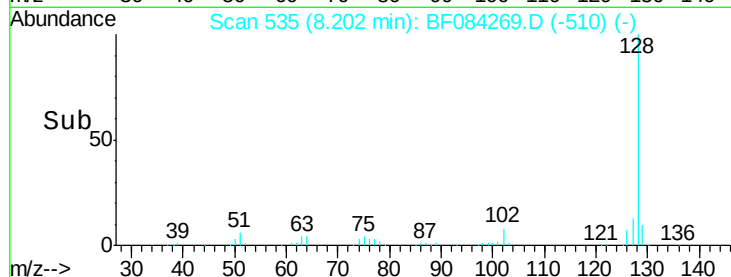
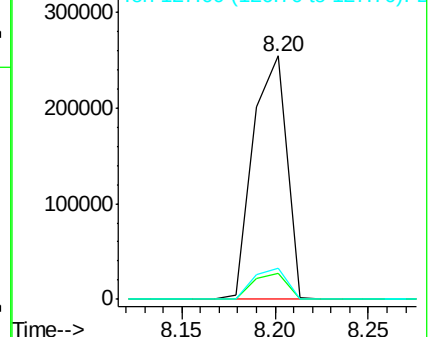
127 12.7 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 6.48 ng

RT: 7.88 min Scan# 507

Delta R.T. -0.08 min

Lab File: BF084269.D

Acq: 5 Jan 2016 6:54

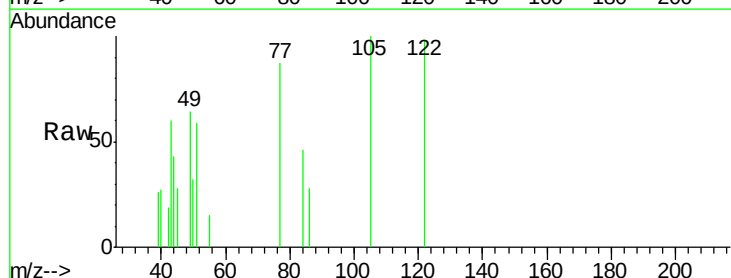
Tgt Ion:122 Resp: 3200

Ion Ratio Lower Upper

122 100

105 101.6 100.3 140.3

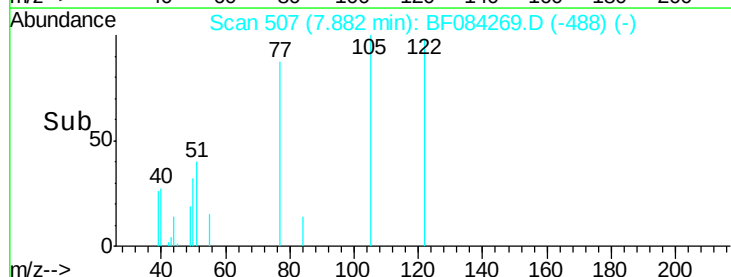
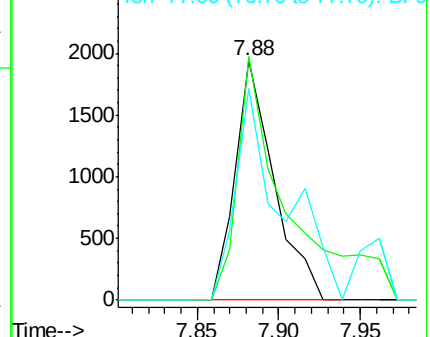
77 88.2 63.5 103.5

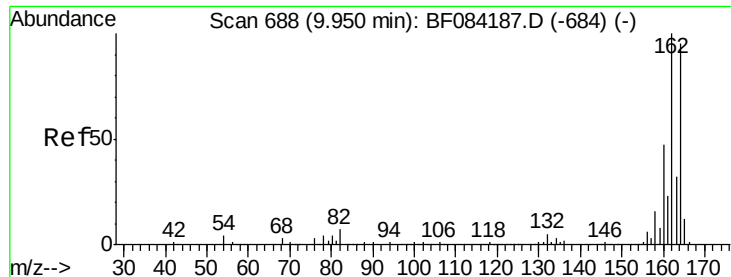


Abundance Ion 122.00 (121.70 to 122.70): E

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: 9.93 min Scan# 686

Delta R.T. -0.02 min

Lab File: BF084269.D

Acq: 5 Jan 2016 6:54

Instrument :

BNA_F

ClientSampleId :

DRUM(116-142)COMPOSITE

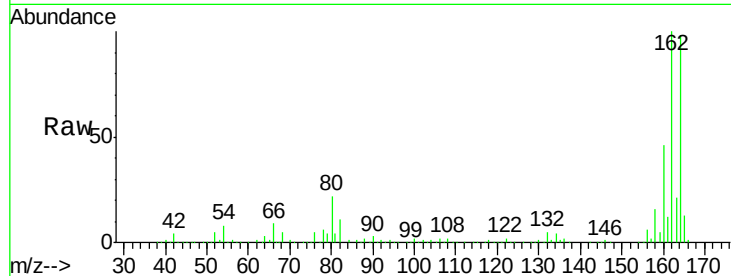
Tgt Ion:164 Resp: 478766

Ion Ratio Lower Upper

164 100

162 101.6 85.1 127.7

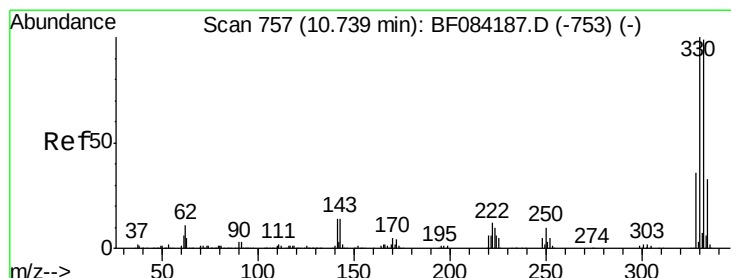
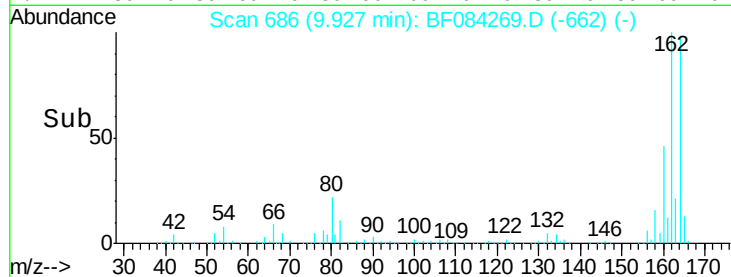
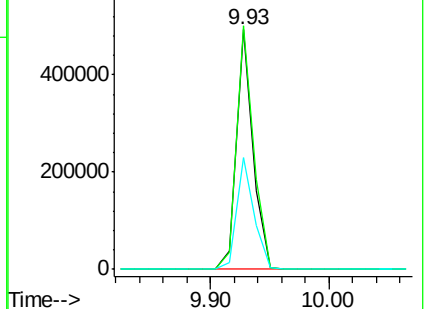
160 46.5 37.5 56.3



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: 141.63 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF084269.D

Acq: 5 Jan 2016 6:54

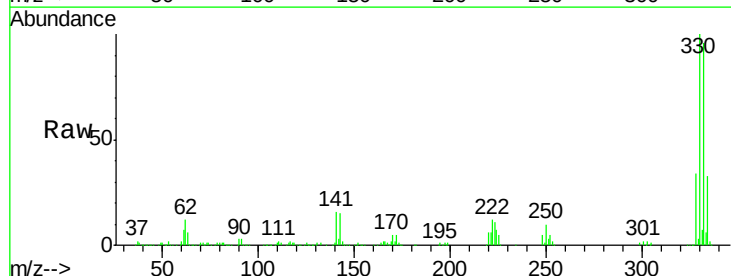
Tgt Ion:330 Resp: 684585

Ion Ratio Lower Upper

330 100

332 96.5 76.6 114.8

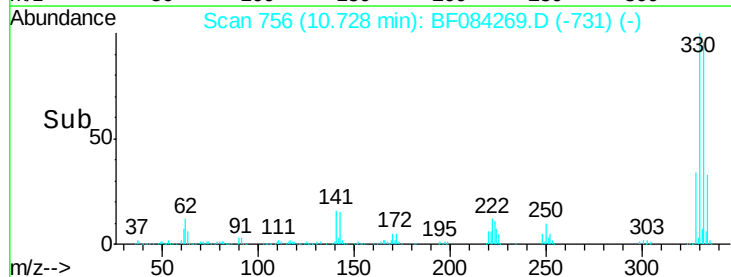
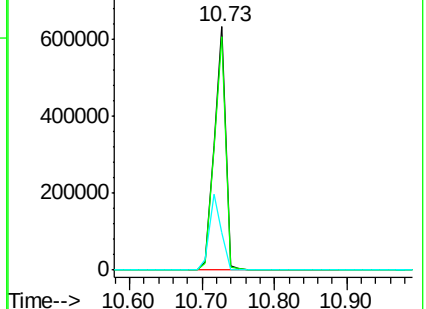
141 32.9 27.8 41.6

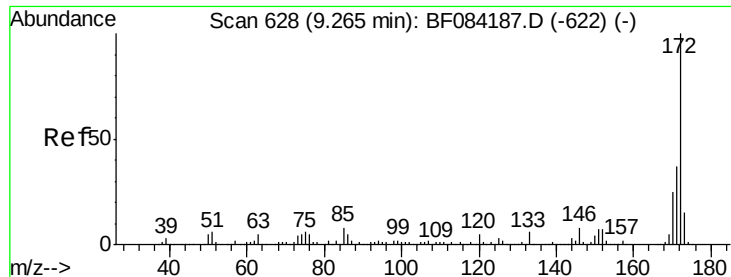


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

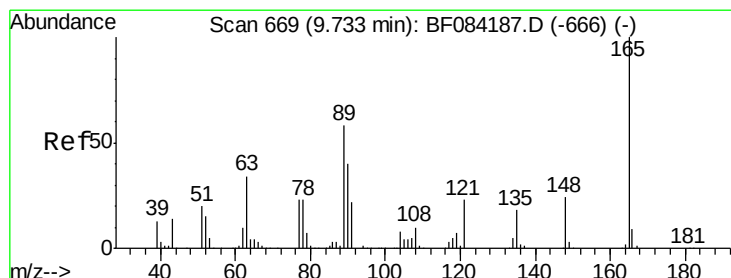
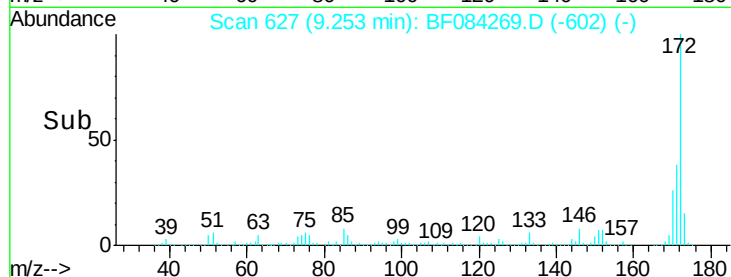
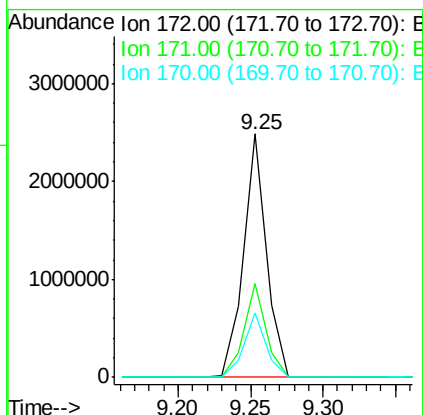
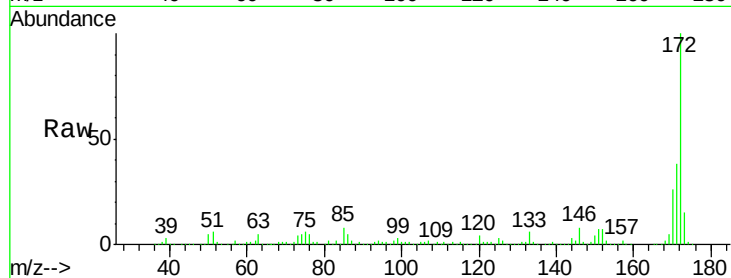




#44
 2-Fluorobiphenyl
 Concen: 101.56 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF084269.D
 Acq: 5 Jan 2016 6:54

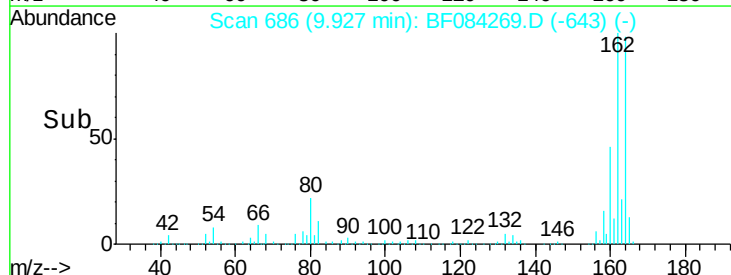
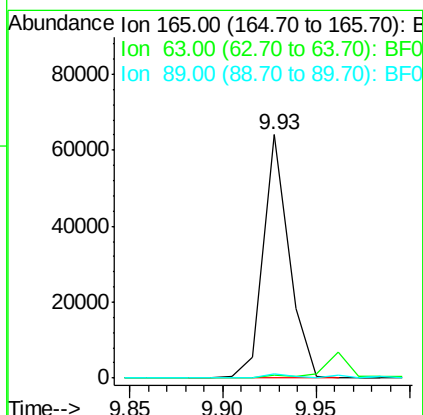
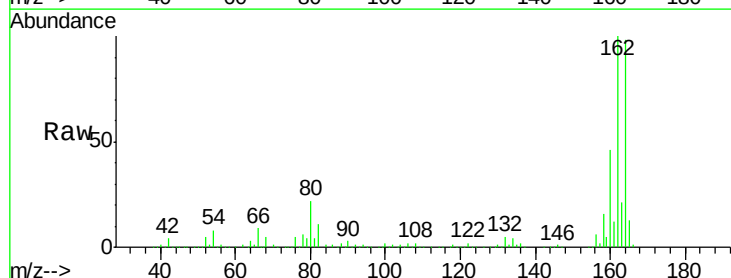
Instrument :
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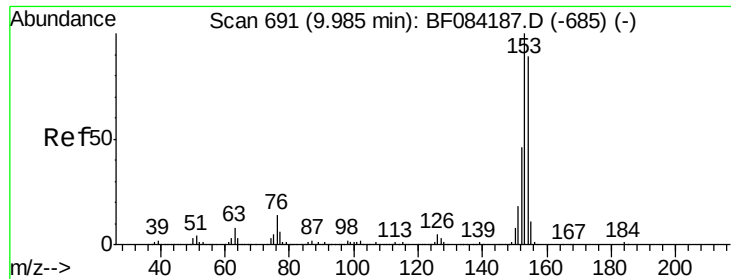
Tgt Ion:172 Resp: 2730550
 Ion Ratio Lower Upper
 172 100
 171 38.4 28.9 43.3
 170 26.4 18.6 27.8



#50
 2,6-Dinitrotoluene
 Concen: 8.08 ng
 RT: 9.93 min Scan# 686
 Delta R.T. 0.19 min
 Lab File: BF084269.D
 Acq: 5 Jan 2016 6:54

Tgt Ion:165 Resp: 60651
 Ion Ratio Lower Upper
 165 100
 63 1.3 28.8 43.2#
 89 1.7 35.1 52.7#





#51

Acenaphthene

Concen: 2.06 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF084269.D

Acq: 5 Jan 2016 6:54

Instrument :

BNA_F

ClientSampleId :

DRUM(116-142)COMPOSITE

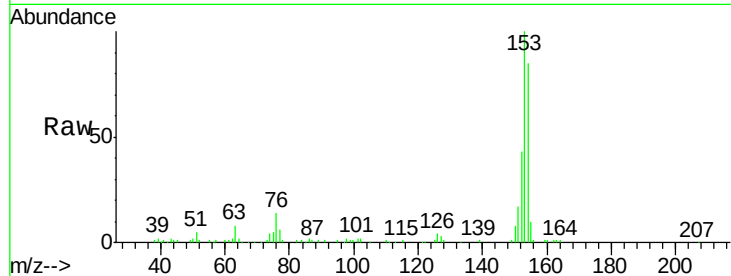
Tgt Ion:154 Resp: 60907

Ion Ratio Lower Upper

154 100

153 118.0 91.5 137.3

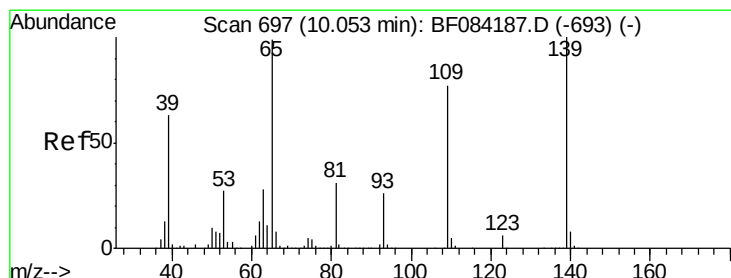
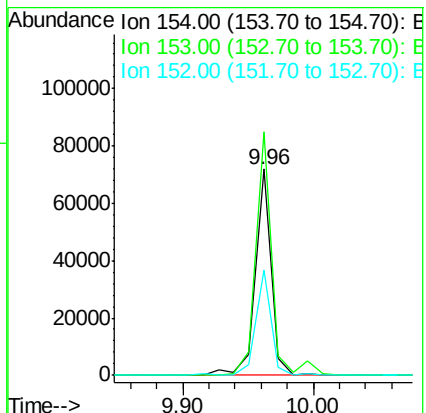
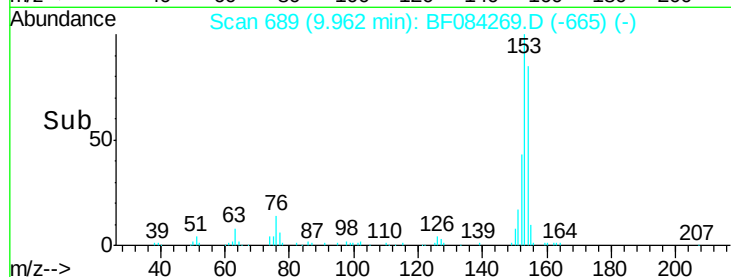
152 50.8 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

4-Nitrophenol

Concen: 2.48 ng

RT: 10.13 min Scan# 704

Delta R.T. 0.08 min

Lab File: BF084269.D

Acq: 5 Jan 2016 6:54

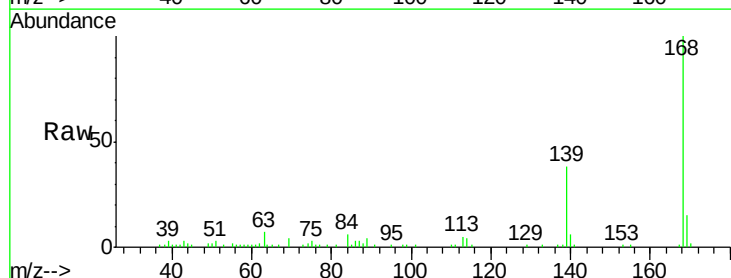
Tgt Ion:139 Resp: 16760

Ion Ratio Lower Upper

139 100

109 0.0 58.5 98.5#

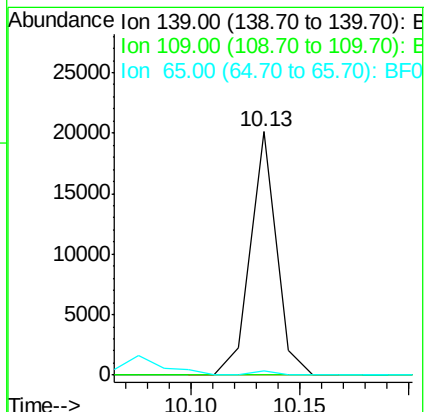
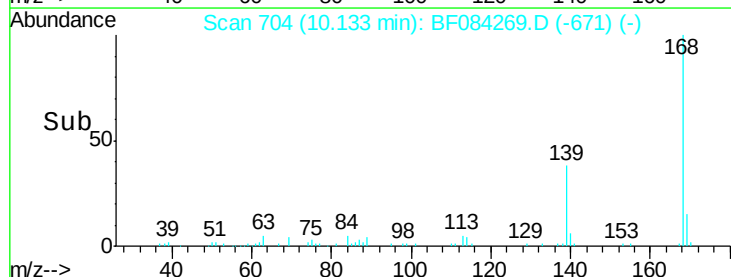
65 1.5 57.6 97.6#

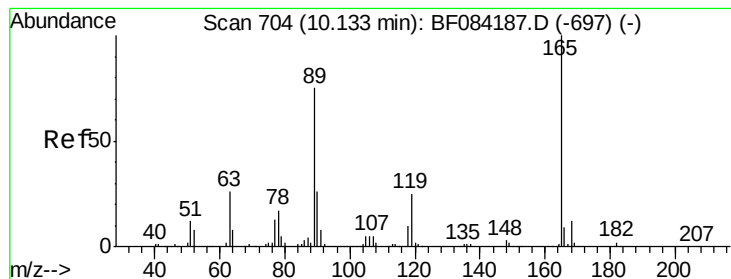


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.38 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.21 min

Lab File: BF084269.D

Acq: 5 Jan 2016 6:54

Instrument :

BNA_F

ClientSampleId :

DRUM(116-142)COMPOSITE

Tgt Ion:165 Resp: 60655

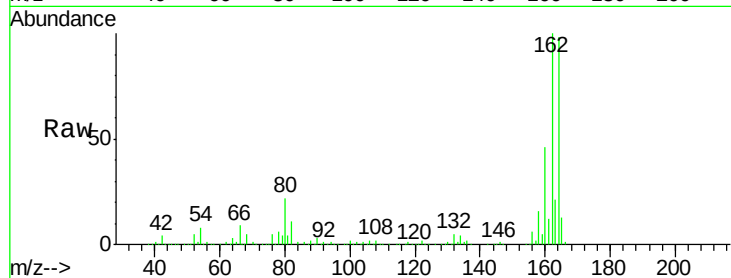
Ion Ratio Lower Upper

165 100

63 1.3 36.7 55.1#

89 1.7 61.9 92.9#

182 0.0 2.0 3.0#

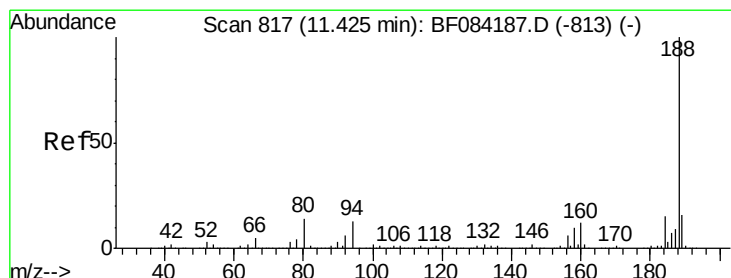
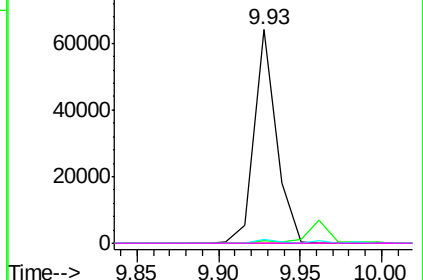
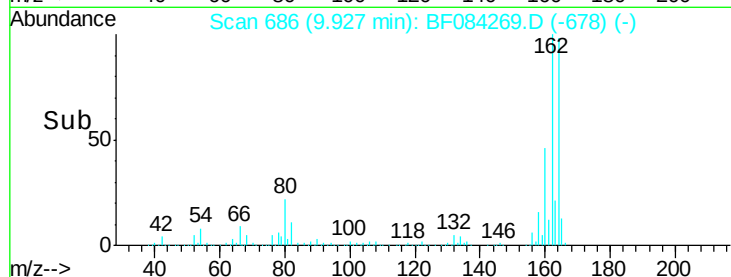


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF084269.D

Acq: 5 Jan 2016 6:54

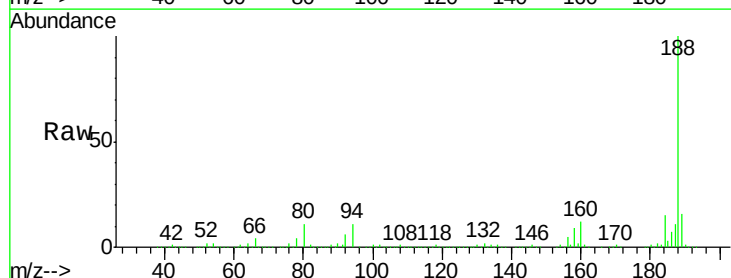
Tgt Ion:188 Resp: 792088

Ion Ratio Lower Upper

188 100

94 10.9 9.0 13.4

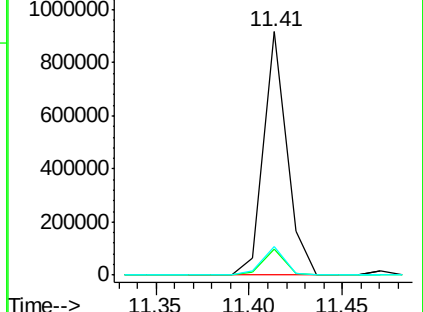
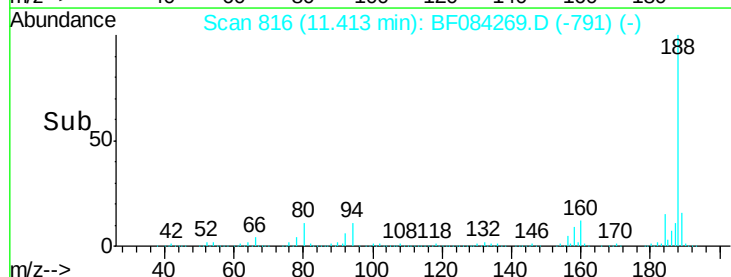
80 11.5 9.6 14.4

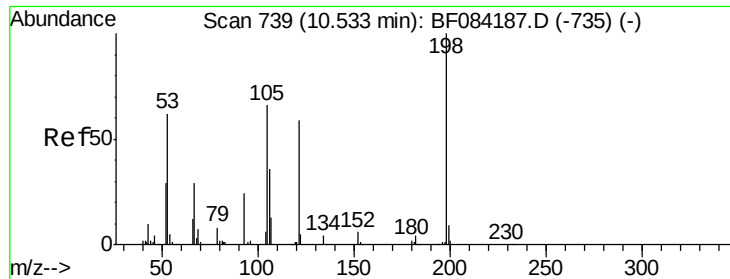


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

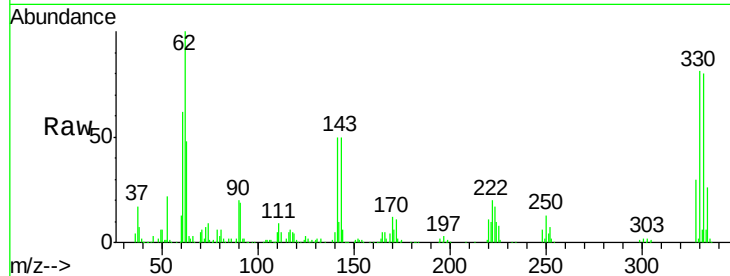




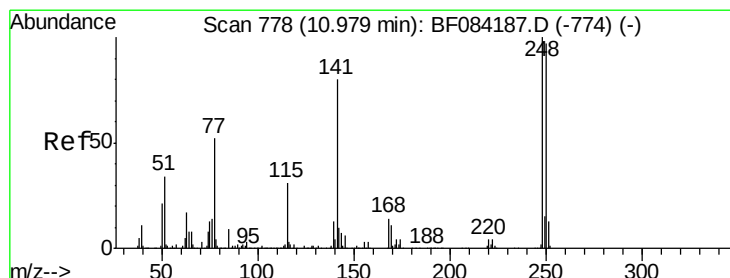
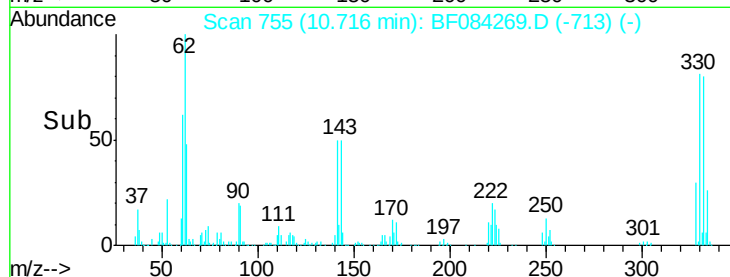
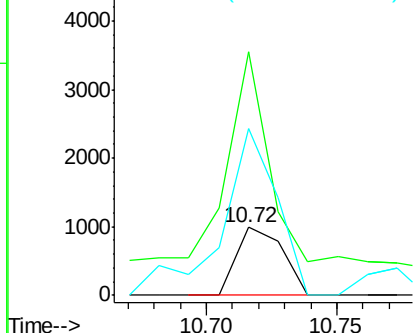
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.61 ng
 RT: 10.72 min Scan# 755
 Delta R.T. 0.18 min
 Lab File: BF084269.D
 Acq: 5 Jan 2016 6:54

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

Tgt Ion:198 Resp: 1218
 Ion Ratio Lower Upper
 198 100
 51 358.1 18.9 58.9#
 105 245.9 26.4 66.4#

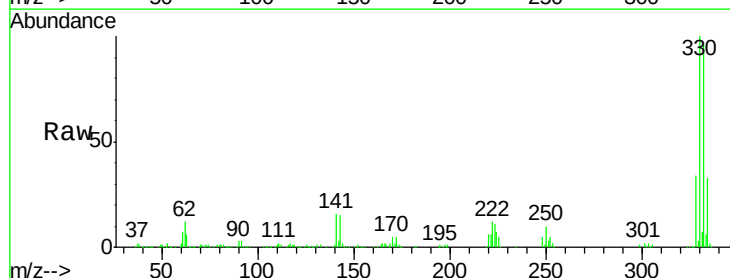


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

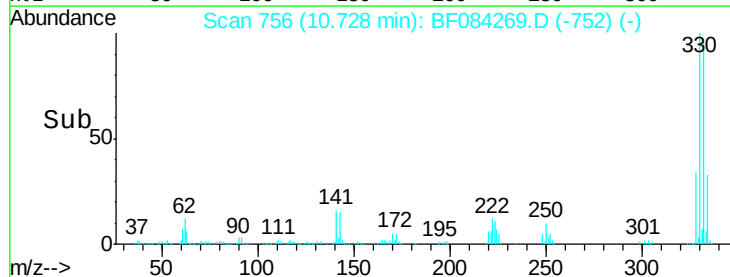
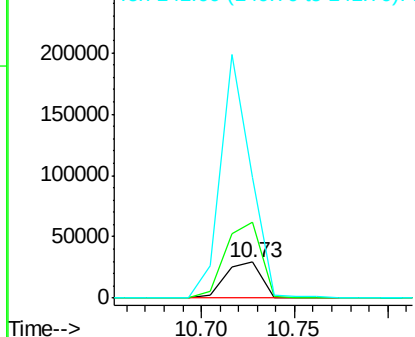


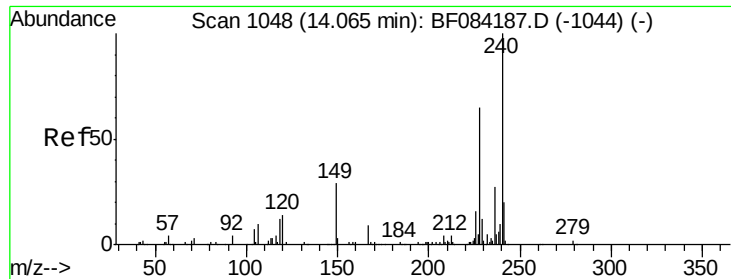
#66
 4-Bromophenyl-phenylether
 Concen: 4.65 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.25 min
 Lab File: BF084269.D
 Acq: 5 Jan 2016 6:54

Tgt Ion:248 Resp: 39610
 Ion Ratio Lower Upper
 248 100
 250 210.6 78.4 117.6#
 141 335.6 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: BF084269.D

Acq: 5 Jan 2016 6:54

Instrument :

BNA_F

ClientSampleId :

DRUM(116-142)COMPOSITE

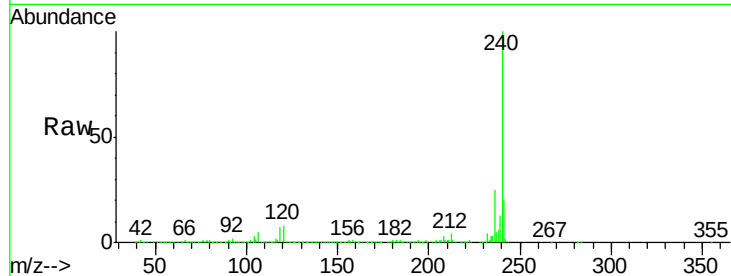
Tgt Ion:240 Resp: 552721

Ion Ratio Lower Upper

240 100

120 8.2 9.5 14.3#

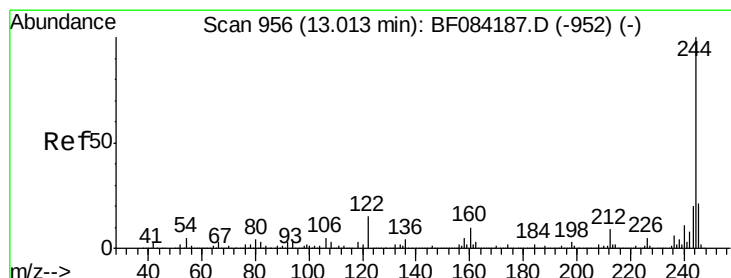
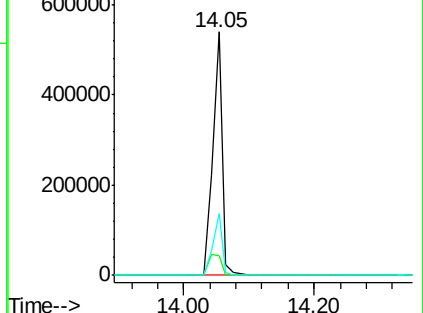
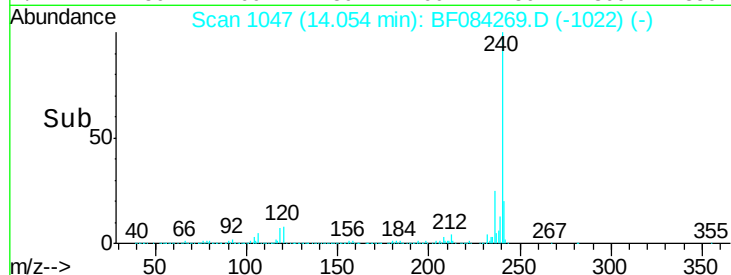
236 25.3 20.6 31.0



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: 81.49 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF084269.D

Acq: 5 Jan 2016 6:54

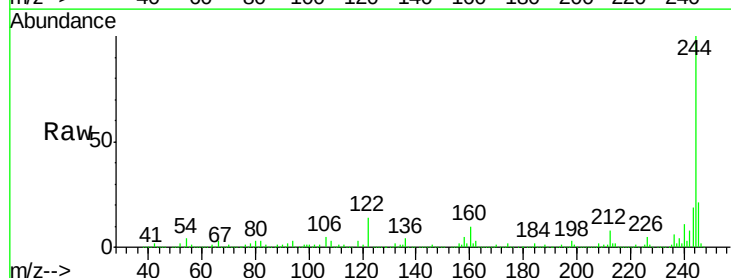
Tgt Ion:244 Resp: 2017726

Ion Ratio Lower Upper

244 100

212 8.1 5.7 8.5

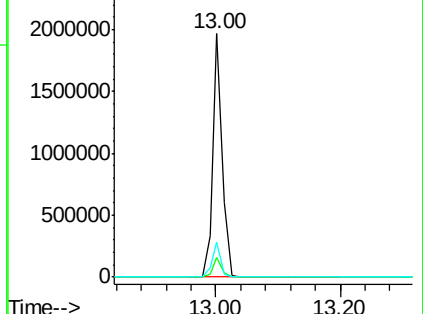
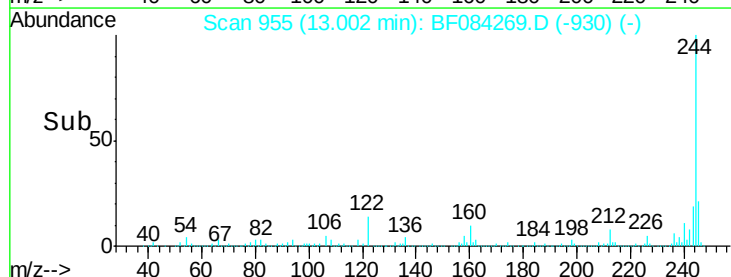
122 14.2 7.4 11.0#

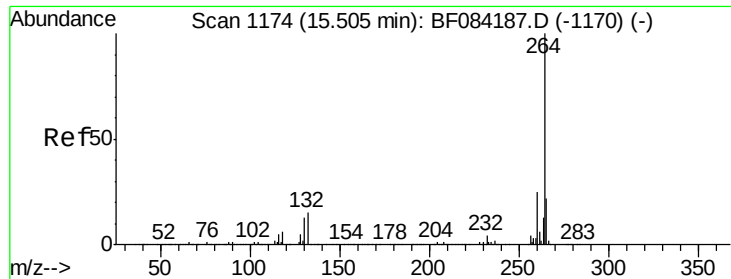


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF084269.D
Acq: 5 Jan 2016 6:54

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

Tgt Ion: 264 Resp: 536755
Ion Ratio Lower Upper
264 100
260 23.8 19.4 29.2
265 21.0 17.8 26.6

