

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121115\
 Data File : BF083718.D
 Acq On : 12 Dec 2015 2:06
 Operator : UM/IZ
 Sample : G4739-14
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K211-15-16

Quant Time: Dec 12 02:45:01 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 11 19:24:37 2015
 Response via : Initial Calibration

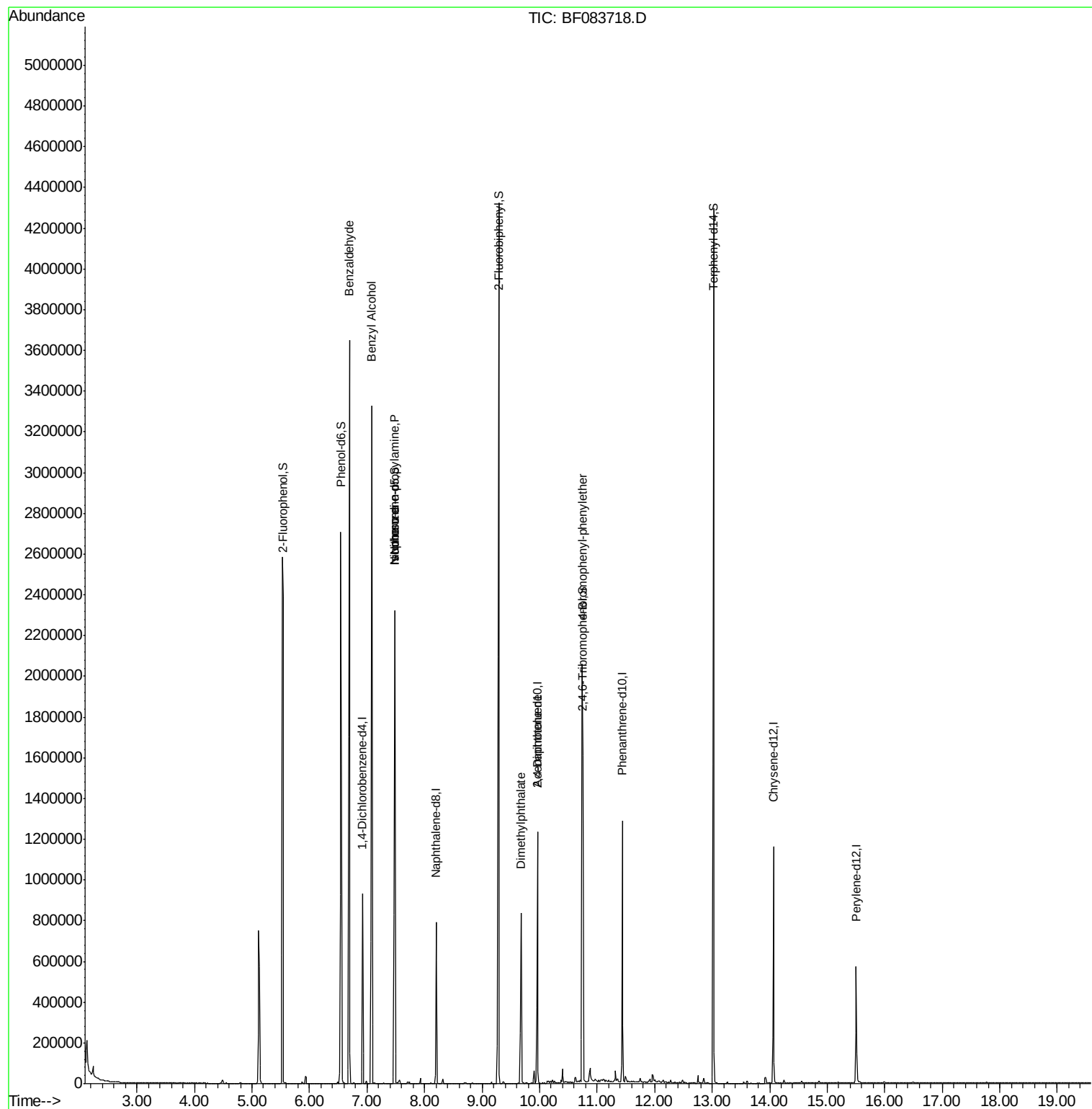
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	129657	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	498352	20.00	ng	-0.01
38) Acenaphthene-d10	9.96	164	245649	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	447880	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	376237	20.00	ng	-0.01
86) Perylene-d12	15.51	264	255497	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1169400	138.90	ng	0.01
7) Phenol-d6	6.54	99	1369570	131.72	ng	0.00
23) Nitrobenzene-d5	7.48	82	781979	106.41	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	388499	163.39	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	1520351	91.16	ng	0.00
78) Terphenyl-d14	13.03	244	1349908	80.57	ng	0.00
Target Compounds						
9) Benzaldehyde	6.69	77	25431	4.44	ng	Qvalue 95
15) Benzyl Alcohol	7.08	79	14768	2.02	ng	# 48
19) n-Nitroso-di-n-propylamine	7.48	70	107811	17.79	ng	# 72
25) Isophorone	7.48	82	775091	47.19	ng	# 69
49) Dimethylphthalate	9.68	163	355269	18.80	ng	99
56) 2,4-Dinitrotoluene	9.96	165	31683	6.79	ng	# 12
66) 4-Bromophenyl-phenylether	10.74	248	24302	5.08	ng	# 1

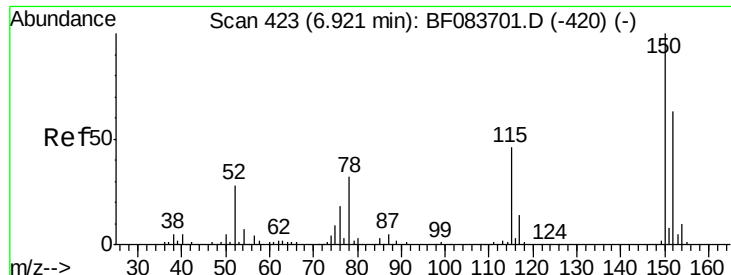
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF083718.D

Acq: 12 Dec 2015 2:06

Instrument :

BNA_F

ClientSampleId :

K211-15-16

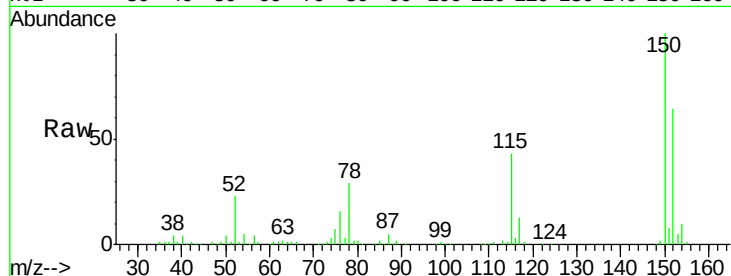
Tgt Ion:152 Resp: 129657

Ion Ratio Lower Upper

152 100

150 155.5 126.5 189.7

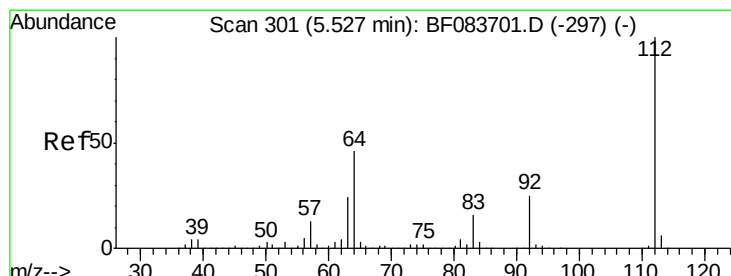
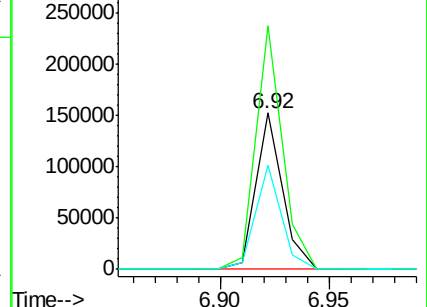
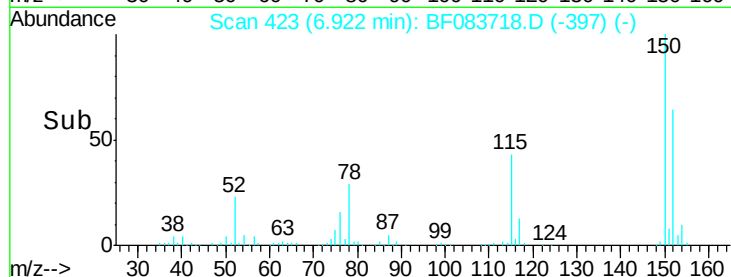
115 66.4 52.3 78.5



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: 138.90 ng

RT: 5.54 min Scan# 302

Delta R.T. 0.01 min

Lab File: BF083718.D

Acq: 12 Dec 2015 2:06

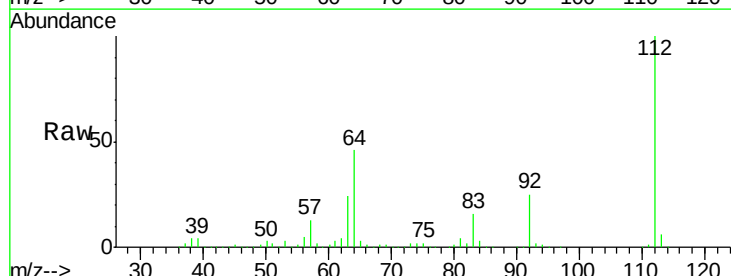
Tgt Ion:112 Resp: 1169400

Ion Ratio Lower Upper

112 100

64 46.1 50.5 75.7#

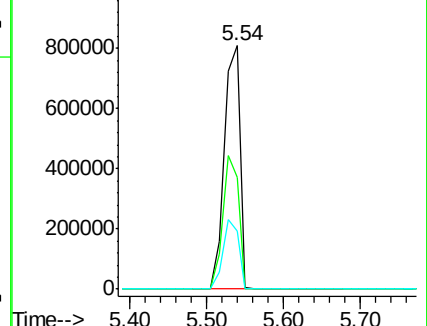
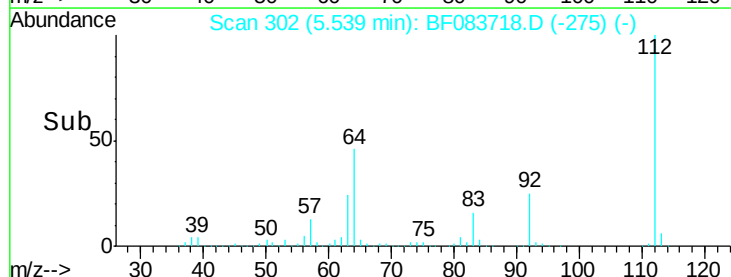
63 23.7 25.8 38.6#

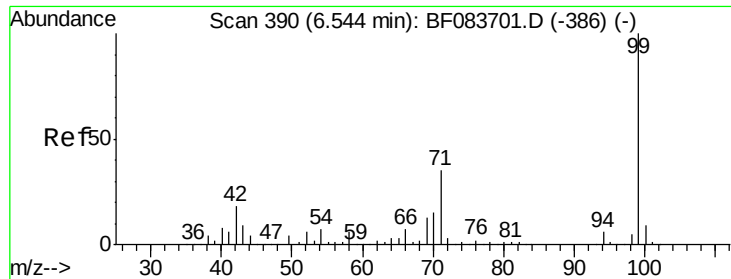


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 131.72 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF083718.D

Acq: 12 Dec 2015 2:06

Instrument :

BNA_F

ClientSampleId :

K211-15-16

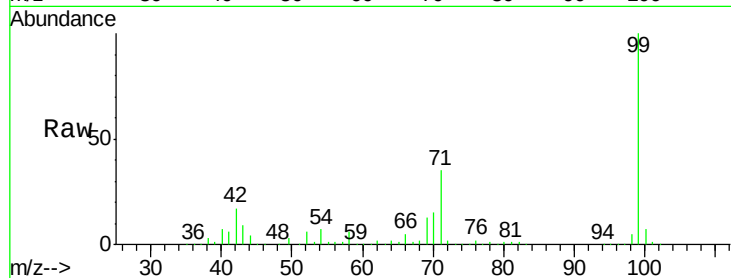
Tgt Ion: 99 Resp: 1369570

Ion Ratio Lower Upper

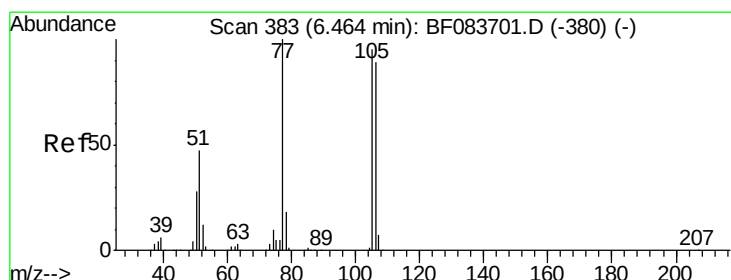
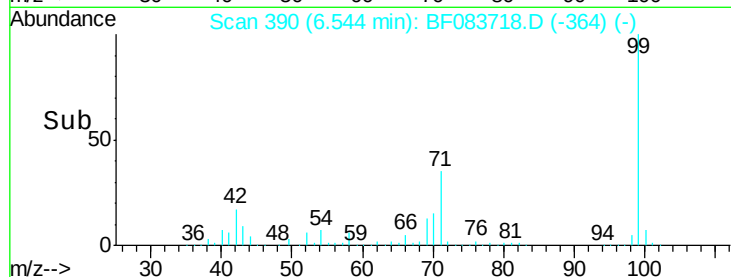
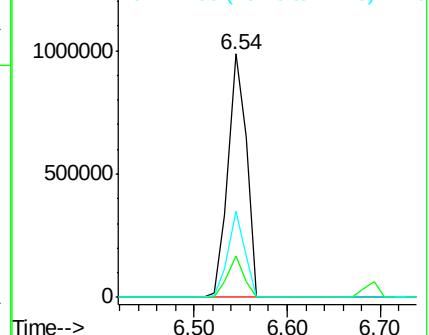
99 100

42 17.0 17.3 25.9#

71 35.5 26.6 40.0



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: 4.44 ng

RT: 6.69 min Scan# 403

Delta R.T. 0.23 min

Lab File: BF083718.D

Acq: 12 Dec 2015 2:06

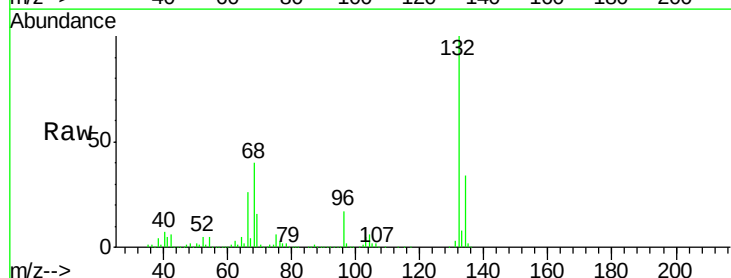
Tgt Ion: 77 Resp: 25431

Ion Ratio Lower Upper

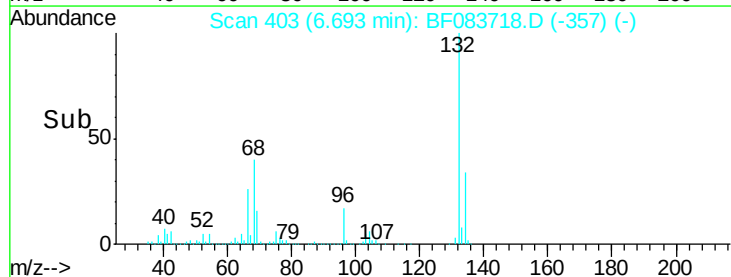
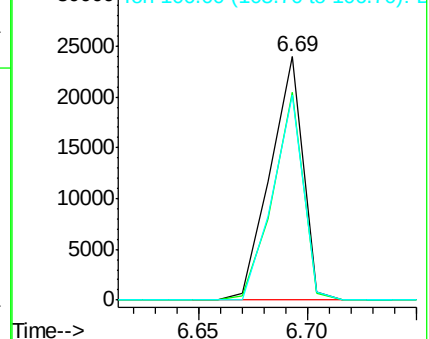
77 100

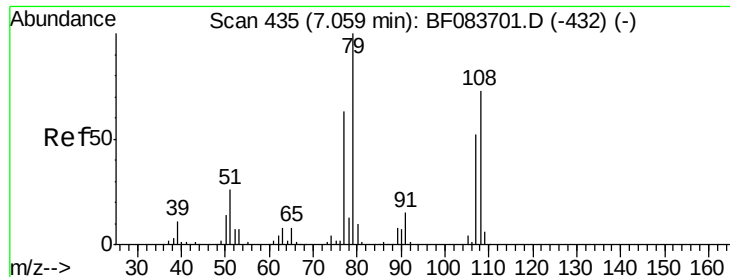
105 85.4 71.8 111.8

106 84.1 66.8 106.8



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





#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 7.08 min Scan# 437

Delta R.T. 0.02 min

Lab File: BF083718.D

Acq: 12 Dec 2015 2:06

Instrument :

BNA_F

ClientSampleId :

K211-15-16

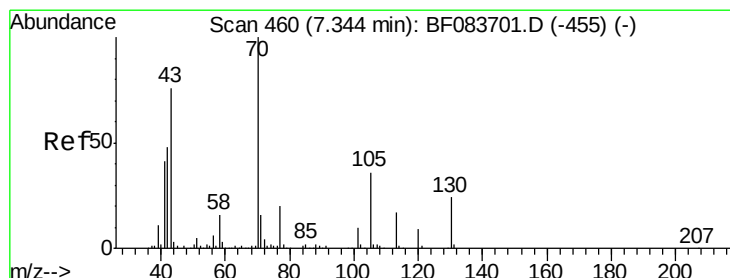
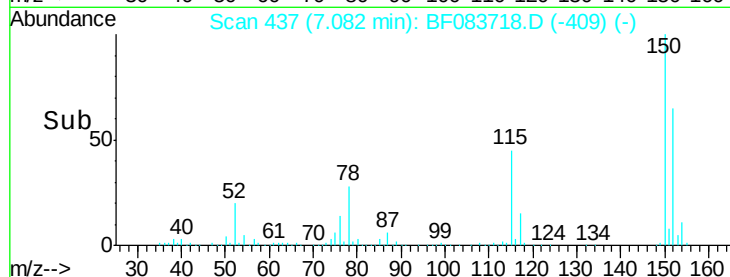
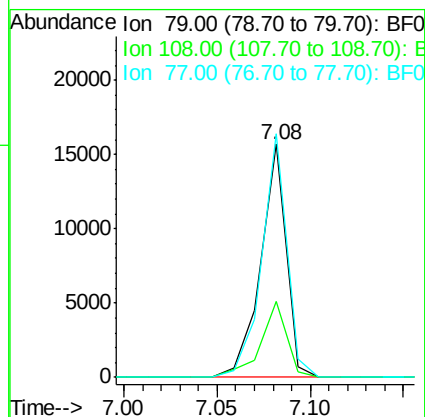
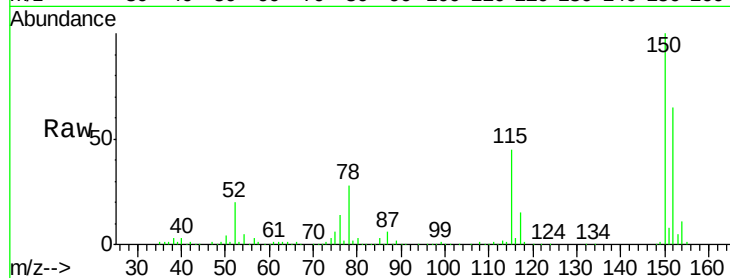
Tgt Ion: 79 Resp: 14768

Ion Ratio Lower Upper

79 100

108 32.8 59.6 89.4#

77 104.6 49.8 74.6#



#19

n-Nitroso-di-n-propylamine

Concen: 17.79 ng

RT: 7.48 min Scan# 472

Delta R.T. 0.14 min

Lab File: BF083718.D

Acq: 12 Dec 2015 2:06

Tgt Ion: 70 Resp: 107811

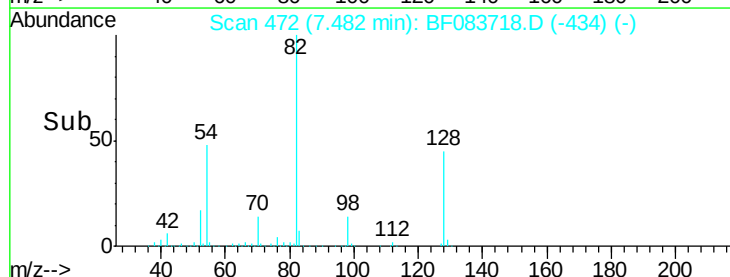
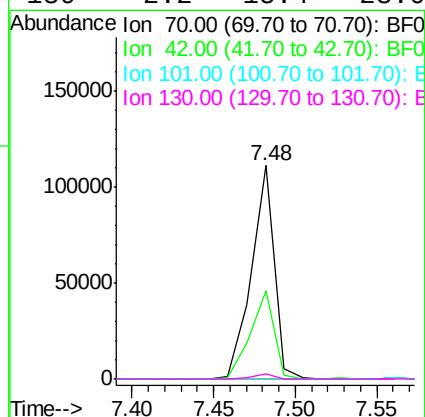
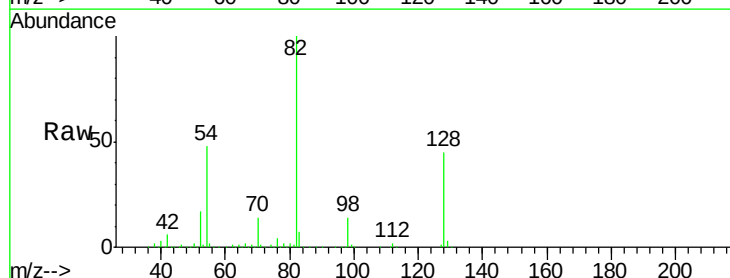
Ion Ratio Lower Upper

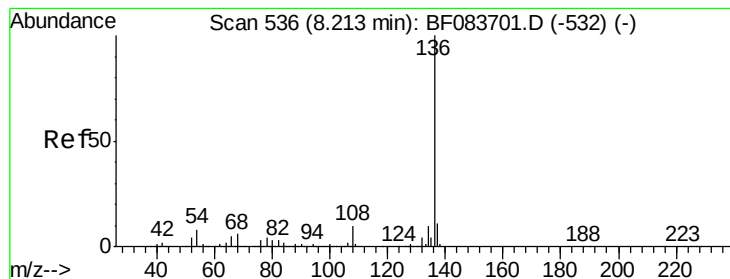
70 100

42 41.4 49.2 73.8#

101 0.0 7.1 10.7#

130 2.2 15.4 23.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF083718.D

Acq: 12 Dec 2015 2:06

Instrument :

BNA_F

ClientSampleId :

K211-15-16

Tgt Ion: 136 Resp: 498352

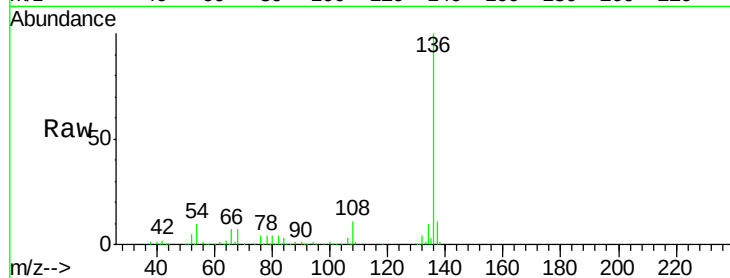
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 9.6 7.8 11.6

68 7.3 5.7 8.5

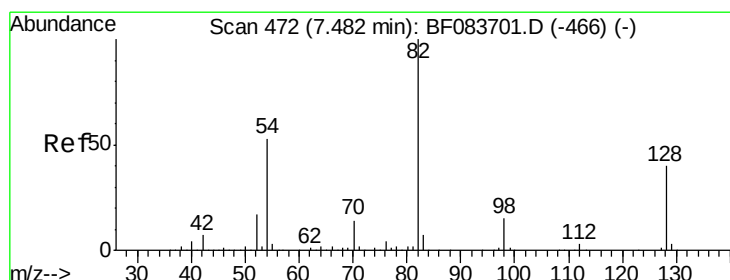
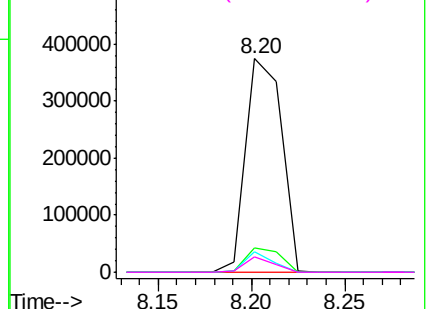
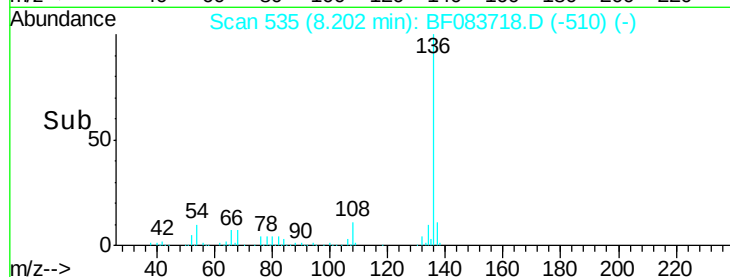


Abundance Ion 136.00 (135.70 to 136.70): E

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: 106.41 ng

RT: 7.48 min Scan# 472

Delta R.T. 0.00 min

Lab File: BF083718.D

Acq: 12 Dec 2015 2:06

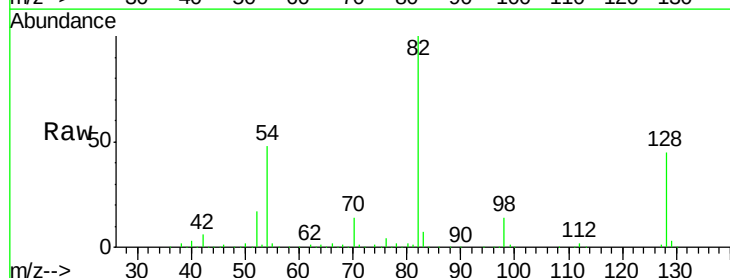
Tgt Ion: 82 Resp: 781979

Ion Ratio Lower Upper

82 100

128 45.4 30.7 46.1

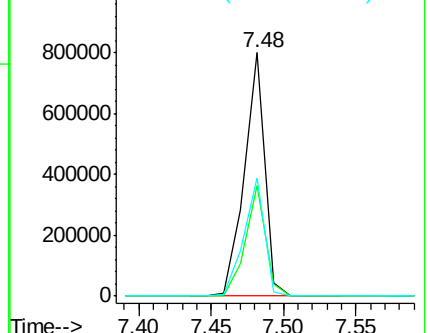
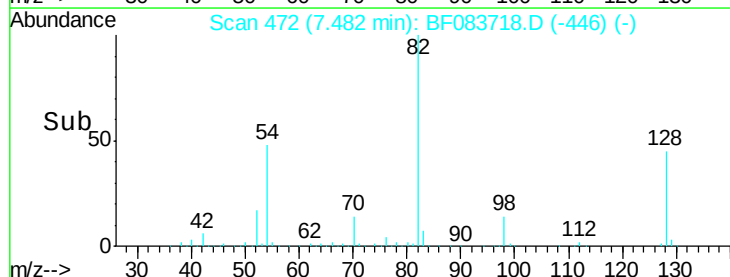
54 48.3 42.5 63.7

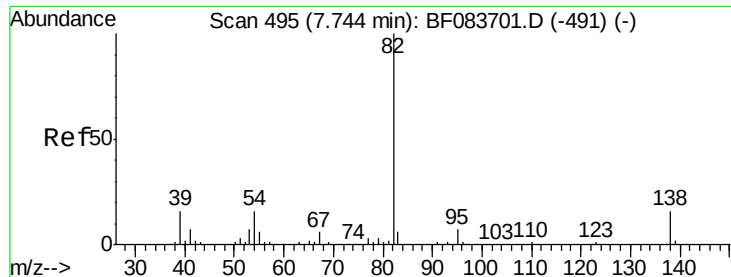


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 47.19 ng

RT: 7.48 min Scan# 472

Delta R.T. -0.26 min

Lab File: BF083718.D

Acq: 12 Dec 2015 2:06

Instrument :

BNA_F

ClientSampleId :

K211-15-16

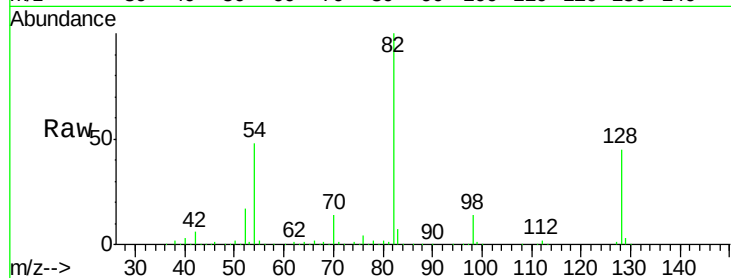
Tgt Ion: 82 Resp: 775091

Ion Ratio Lower Upper

82 100

95 0.0 5.0 7.4#

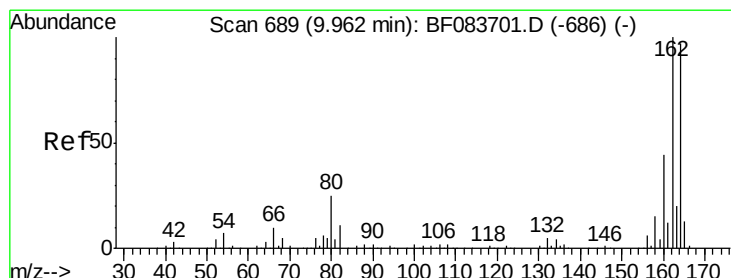
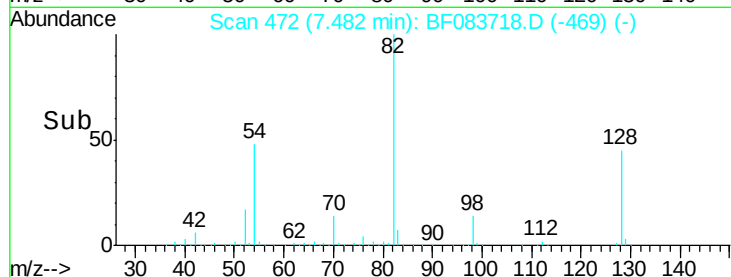
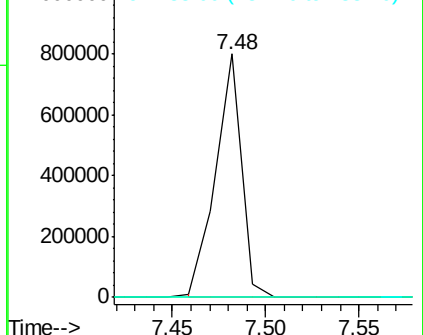
138 0.0 12.1 18.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.96 min Scan# 689

Delta R.T. 0.00 min

Lab File: BF083718.D

Acq: 12 Dec 2015 2:06

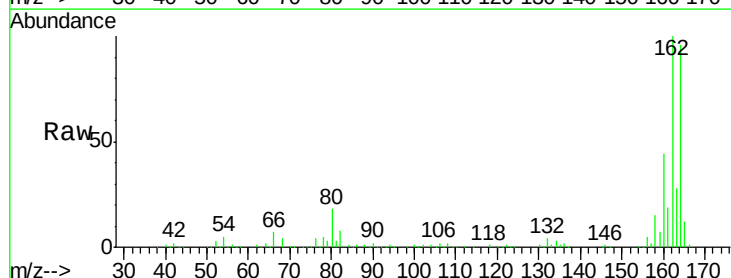
Tgt Ion: 164 Resp: 245649

Ion Ratio Lower Upper

164 100

162 104.1 78.8 118.2

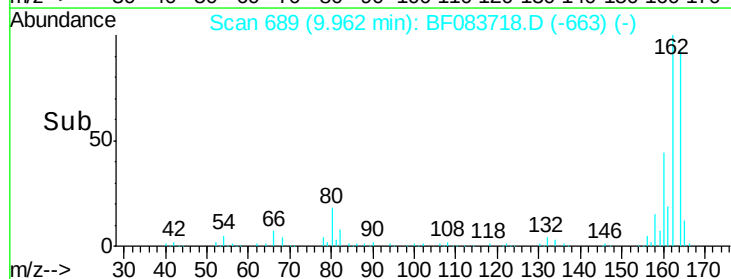
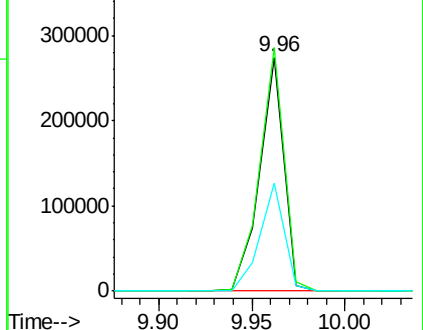
160 46.1 33.4 50.2

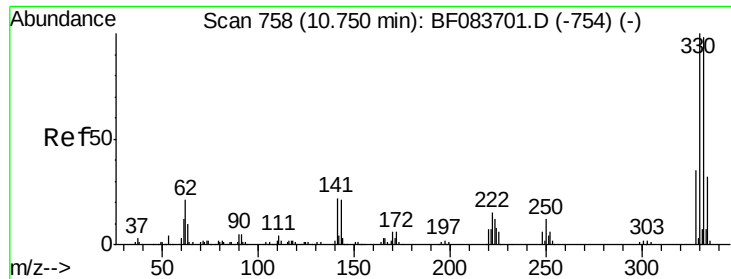


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

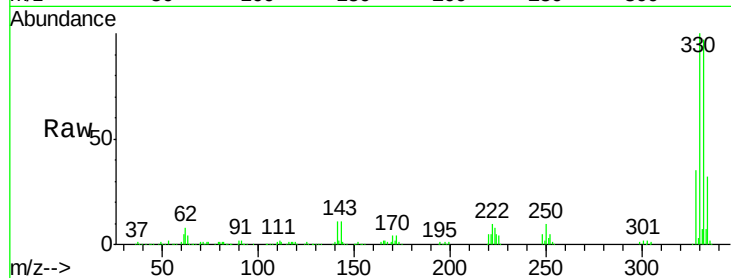




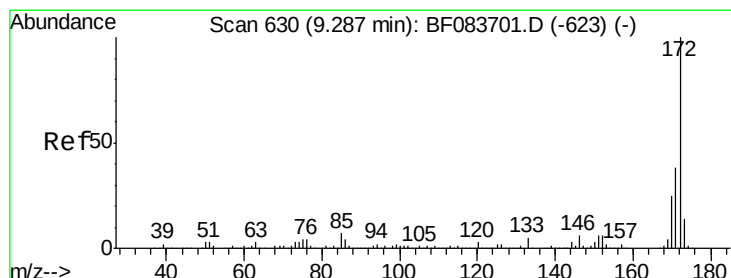
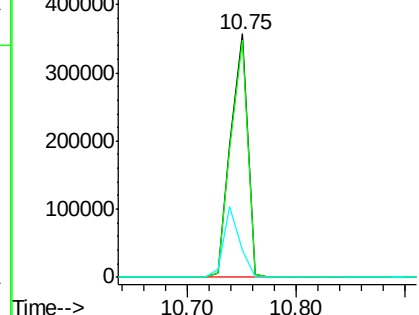
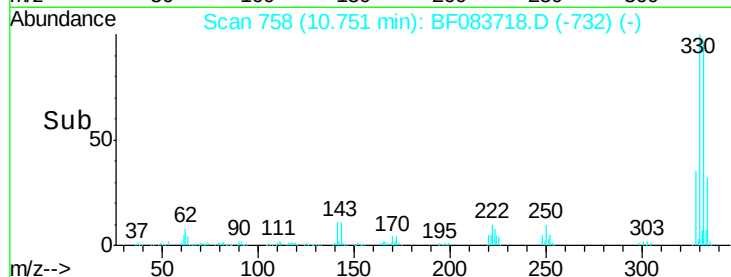
#41
 2,4,6-Tribromophenol
 Concen: 163.39 ng
 RT: 10.75 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: BF083718.D
 Acq: 12 Dec 2015 2:06

Instrument :
 BNA_F
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 K211-15-16

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	0.0	0.0#
141	27.9	0.0	0.0#

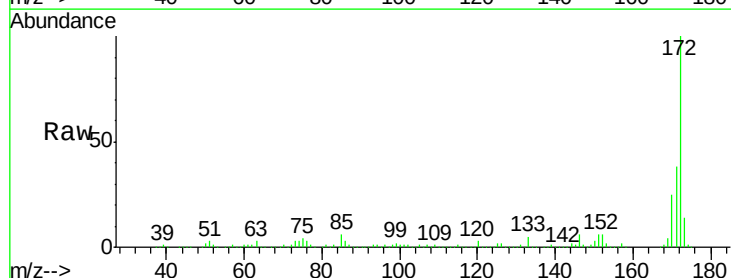


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

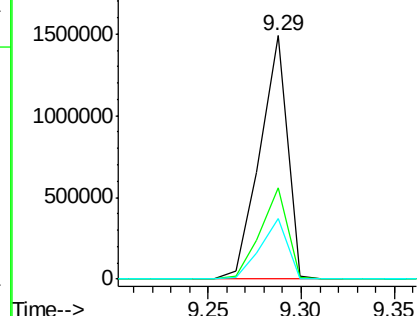
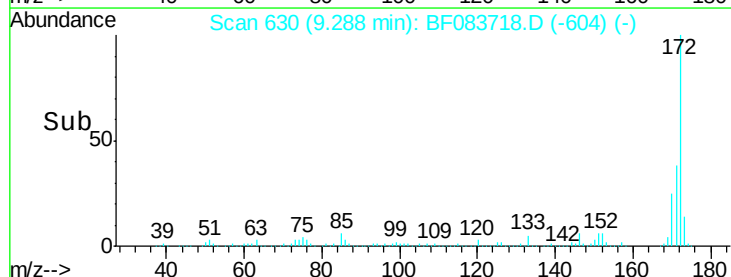


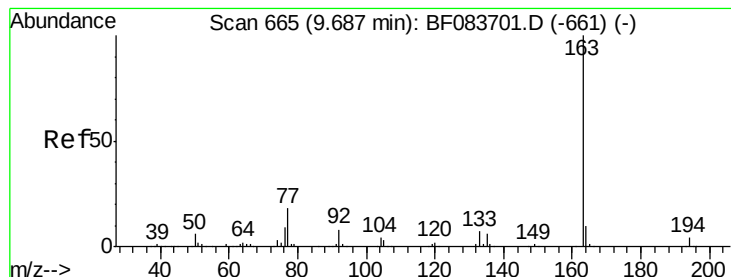
#44
 2-Fluorobiphenyl
 Concen: 91.16 ng
 RT: 9.29 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: BF083718.D
 Acq: 12 Dec 2015 2:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	28.6	42.8
170	25.0	19.4	29.0



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: 18.80 ng

RT: 9.68 min Scan# 664

Delta R.T. -0.01 min

Lab File: BF083718.D

Acq: 12 Dec 2015 2:06

Instrument :

BNA_F

ClientSampleId :

K211-15-16

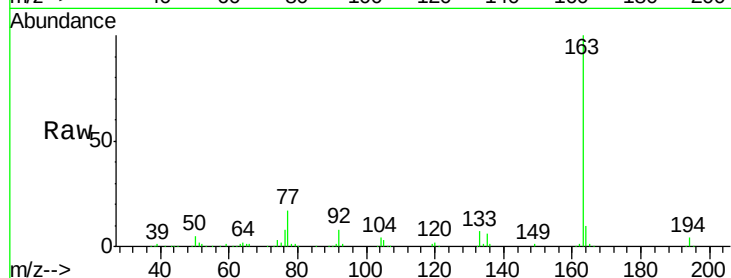
Tgt Ion:163 Resp: 355269

Ion Ratio Lower Upper

163 100

194 3.7 2.8 4.2

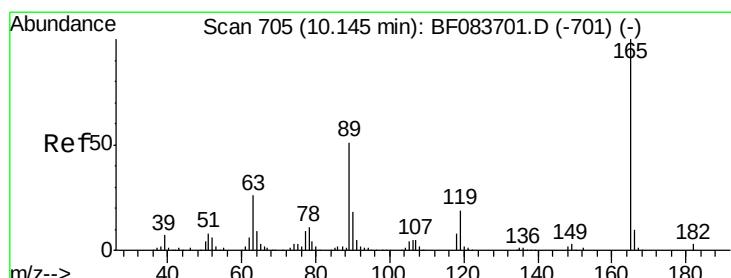
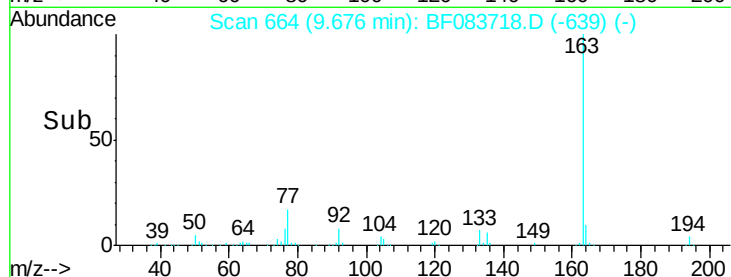
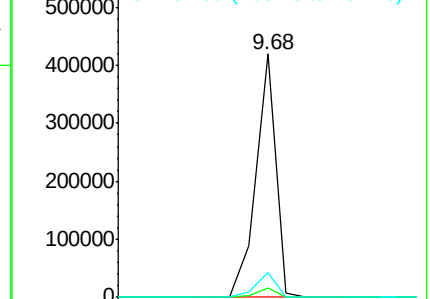
164 10.1 8.6 13.0



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



#56

2,4-Dinitrotoluene

Concen: 6.79 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.18 min

Lab File: BF083718.D

Acq: 12 Dec 2015 2:06

Tgt Ion:165 Resp: 31683

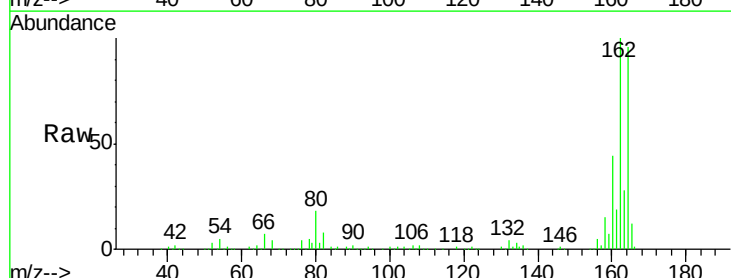
Ion Ratio Lower Upper

165 100

63 1.3 51.4 77.2#

89 1.2 72.6 108.8#

182 0.0 1.4 2.0#

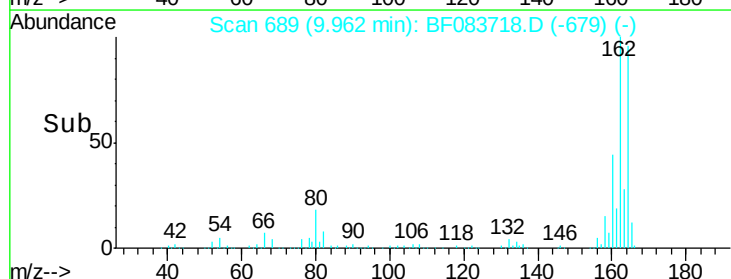
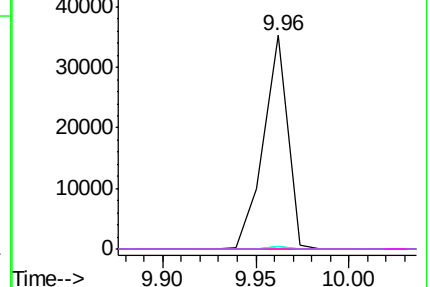


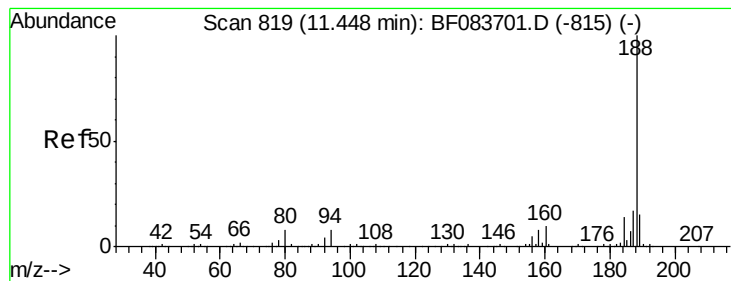
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.44 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF083718.D

Acq: 12 Dec 2015 2:06

Instrument :

BNA_F

ClientSampleId :

K211-15-16

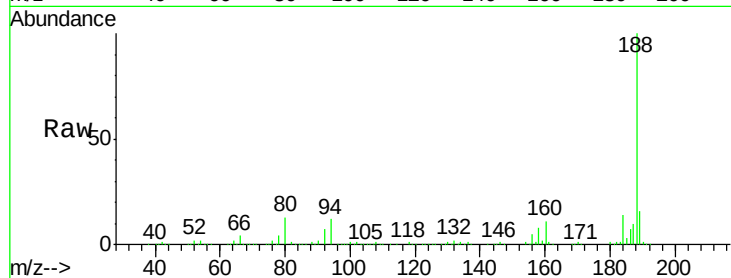
Tgt Ion:188 Resp: 447880

Ion Ratio Lower Upper

188 100

94 11.9 9.4 14.2

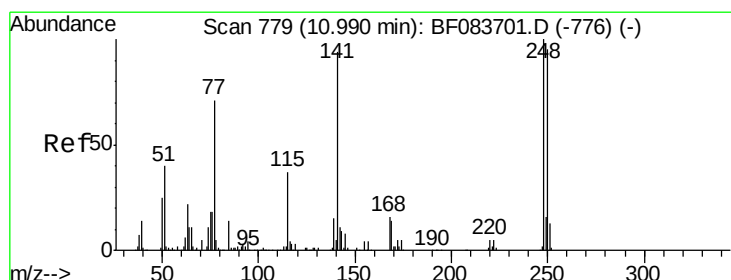
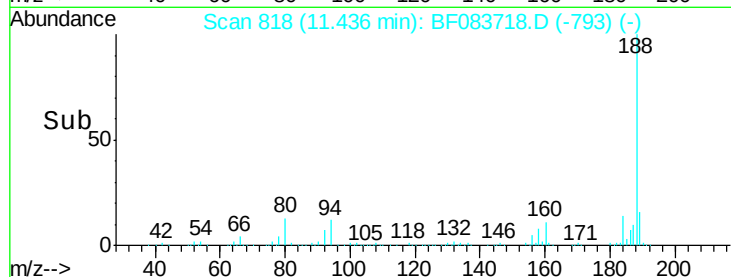
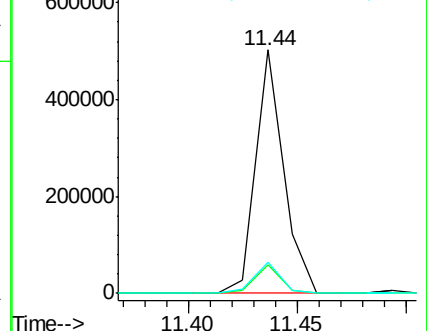
80 13.0 10.6 16.0



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: 5.08 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.25 min

Lab File: BF083718.D

Acq: 12 Dec 2015 2:06

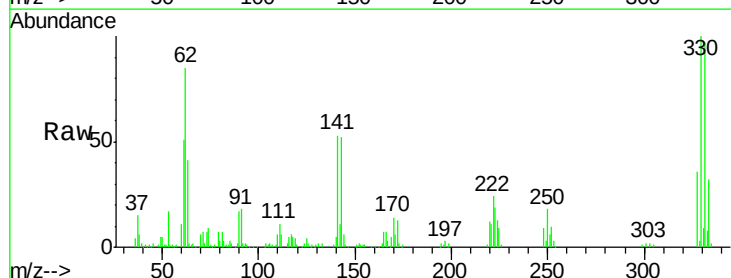
Tgt Ion:248 Resp: 24302

Ion Ratio Lower Upper

248 100

250 196.4 79.2 118.8#

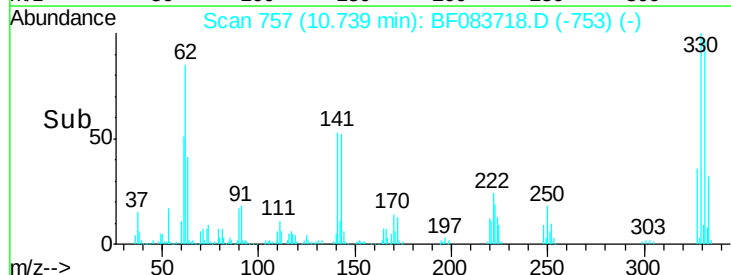
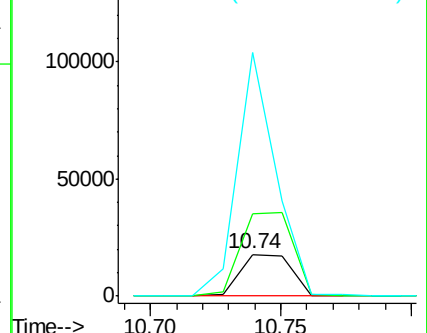
141 584.5 58.2 87.4#

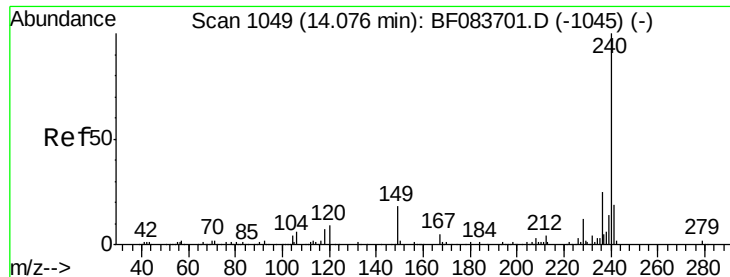


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.07 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF083718.D

Acq: 12 Dec 2015 2:06

Instrument :

BNA_F

ClientSampleId :

K211-15-16

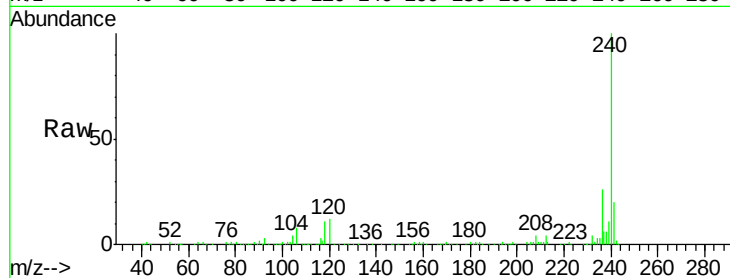
Tgt Ion:240 Resp: 376237

Ion Ratio Lower Upper

240 100

120 12.4 8.1 12.1#

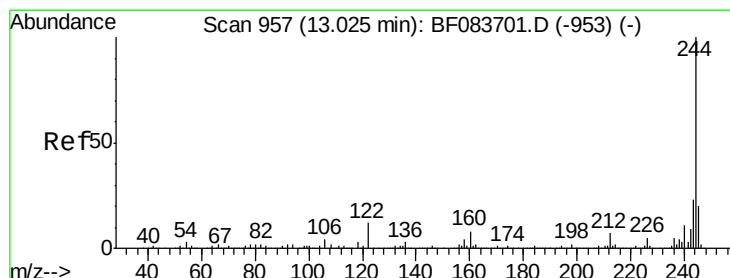
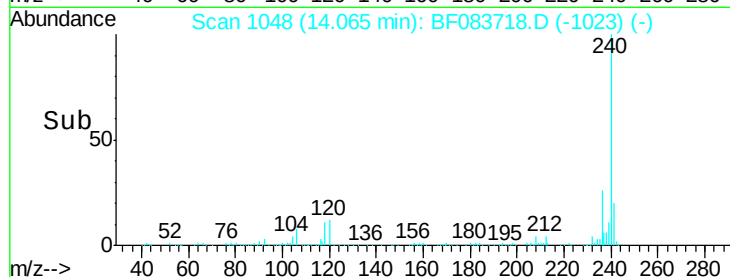
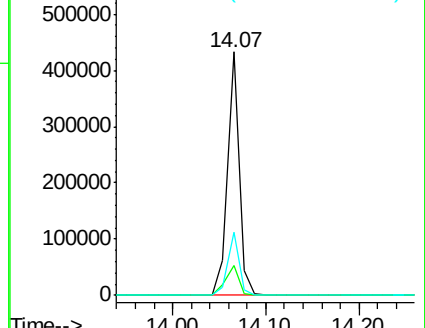
236 26.0 20.8 31.2



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: 80.57 ng

RT: 13.03 min Scan# 957

Delta R.T. 0.00 min

Lab File: BF083718.D

Acq: 12 Dec 2015 2:06

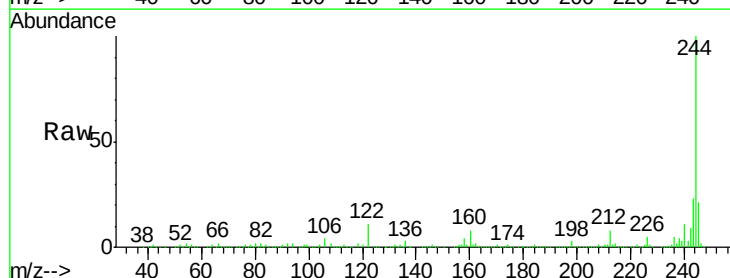
Tgt Ion:244 Resp: 1349908

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

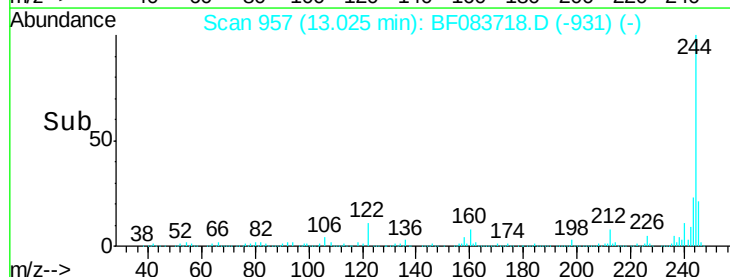
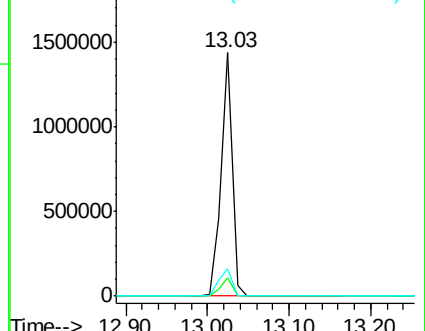
122 11.1 11.0 16.6

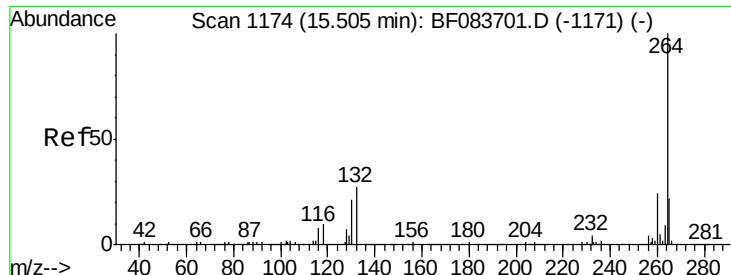


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

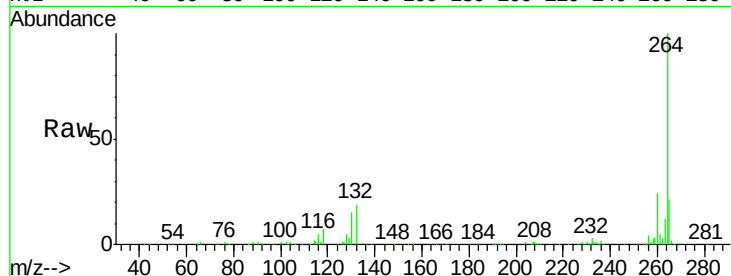




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF083718.D
Acq: 12 Dec 2015 2:06

Instrument :
BNA_F
ClientSampleId :
K211-15-16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.0
265	21.3	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

