

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081715\
 Data File : BF081033.D
 Acq On : 18 Aug 2015 6:53
 Operator : UM/IZ
 Sample : G3290-05
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2A(0-2)-2

Quant Time: Aug 18 08:31:16 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 17:57:25 2015
 Response via : Initial Calibration

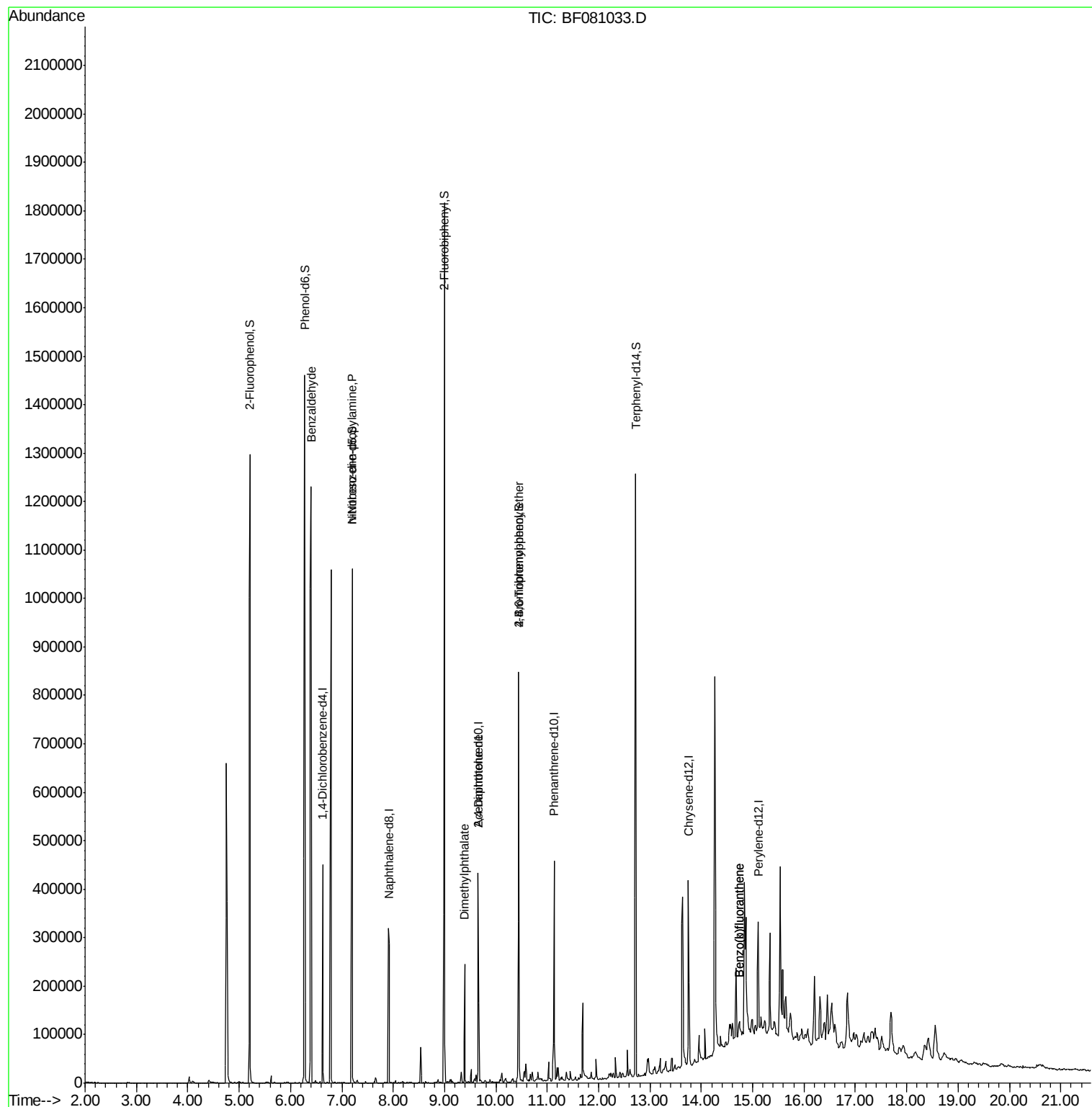
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	57510	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	199245	20.00	ng	0.01
38) Acenaphthene-d10	9.66	164	88081	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	149737	20.00	ng	0.00
75) Chrysene-d12	13.75	240	122692	20.00	ng	0.00
86) Perylene-d12	15.11	264	92050	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	427412	111.78	ng	0.02
7) Phenol-d6	6.27	99	480930	96.40	ng	0.01
23) Nitrobenzene-d5	7.20	82	368458	84.48	ng	0.01
41) 2,4,6-Tribromophenol	10.44	330	73984	96.90	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	488821	72.72	ng	0.00
78) Terphenyl-d14	12.72	244	356642	62.32	ng	0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.40	77	10764	3.35	ng	89
19) n-Nitroso-di-n-propylamine	7.20	70	50510	14.62	ng	# 66
49) Dimethylphthalate	9.39	163	99030	13.65	ng	99
56) 2,4-Dinitrotoluene	9.66	165	11219	5.43	ng	# 16
66) 4-Bromophenyl-phenylether	10.44	248	6179	4.20	ng	# 1
87) Benzo(b)fluoranthene	14.74	252	14401	2.21	ng	# 84
88) Benzo(k)fluoranthene	14.74	252	14401	2.37	ng	# 87

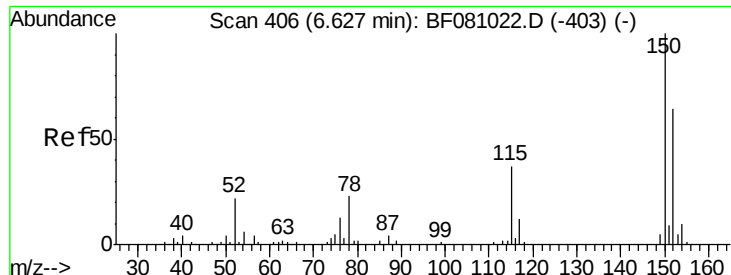
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF081033.D

Acq: 18 Aug 2015 6:53

Instrument :

BNA_F

ClientSampled :

2A(0-2)-2

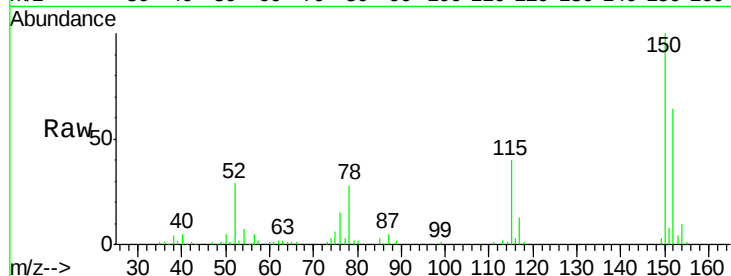
Tot Ion:152 Resp: 57510

Ion Ratio Lower Upper

152 100

150 156.9 123.8 185.6

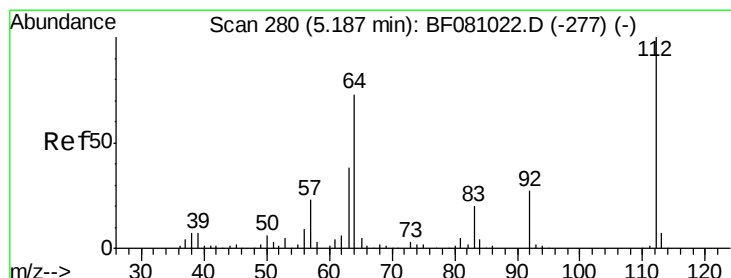
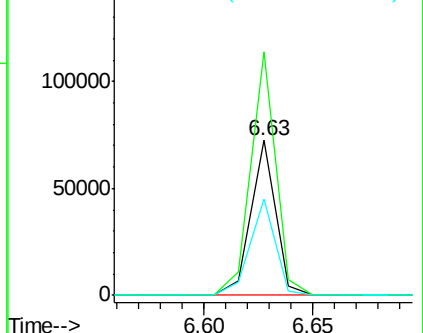
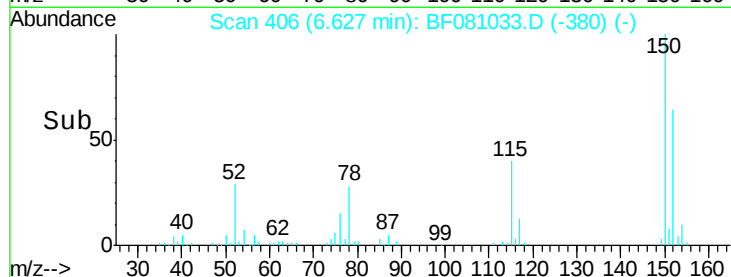
115 62.5 52.1 78.1



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: 111.78 ng

RT: 5.21 min Scan# 282

Delta R.T. 0.02 min

Lab File: BF081033.D

Acq: 18 Aug 2015 6:53

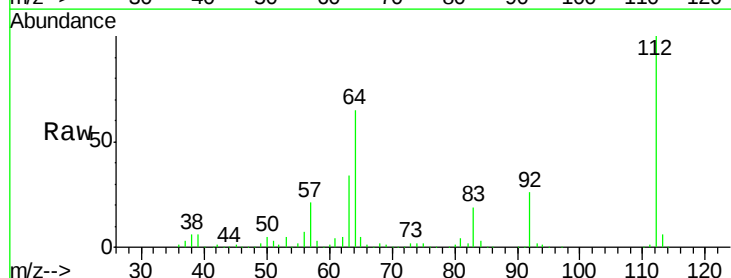
Tgt Ion:112 Resp: 427412

Ion Ratio Lower Upper

112 100

64 64.8 66.9 100.3#

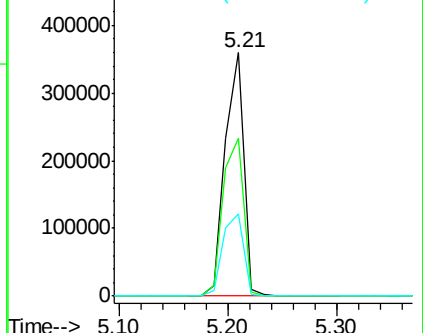
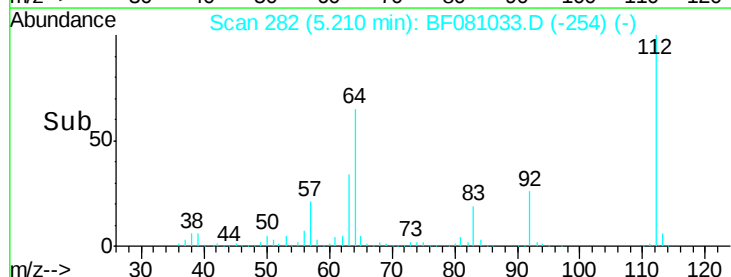
63 34.0 38.1 57.1#

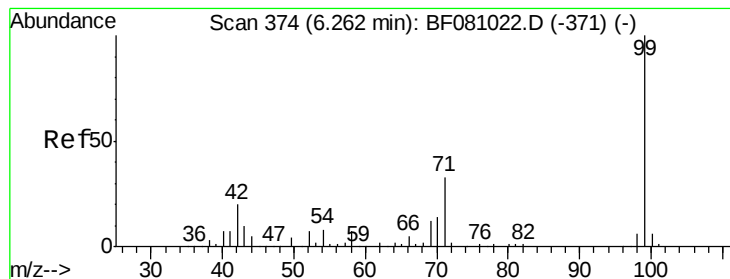


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 96.40 ng

RT: 6.27 min Scan# 375

Delta R.T. 0.01 min

Lab File: BF081033.D

Acq: 18 Aug 2015 6:53

Instrument :

BNA_F

ClientSampleId :

2A(0-2)-2

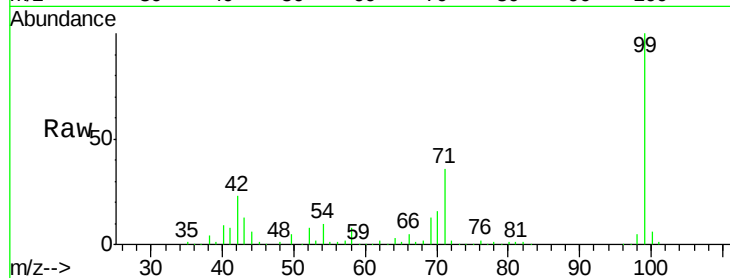
Tot Ion: 99 Resp: 480930

Ion Ratio Lower Upper

99 100

42 23.5 19.6 29.4

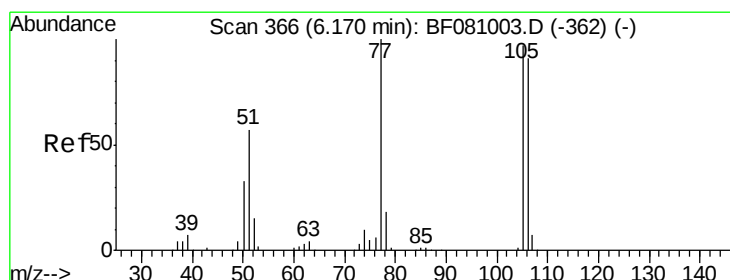
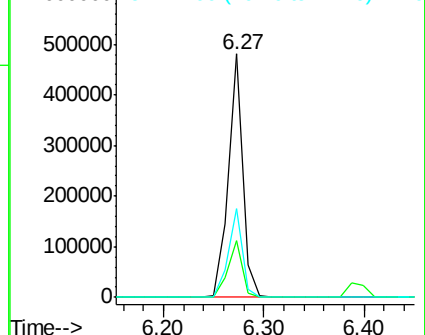
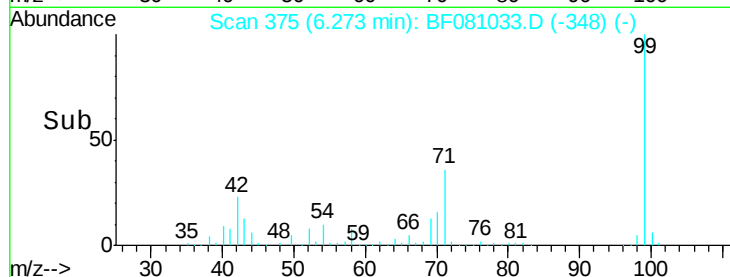
71 36.3 31.2 46.8



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: 3.35 ng

RT: 6.40 min Scan# 386

Delta R.T. 0.24 min

Lab File: BF081033.D

Acq: 18 Aug 2015 6:53

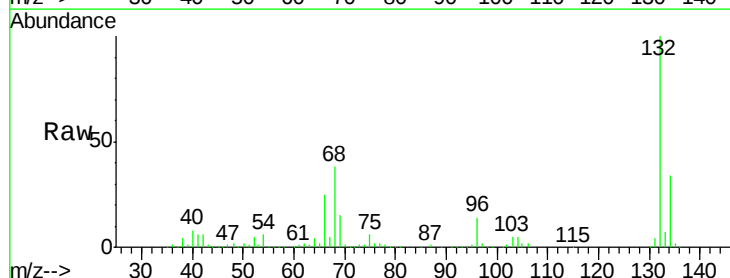
Tgt Ion: 77 Resp: 10764

Ion Ratio Lower Upper

77 100

105 81.6 69.6 109.6

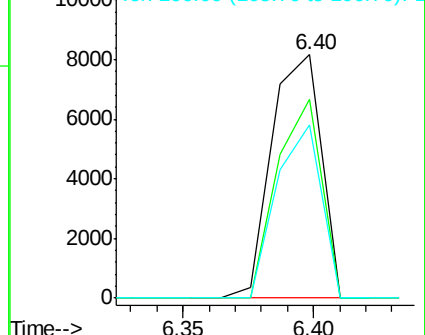
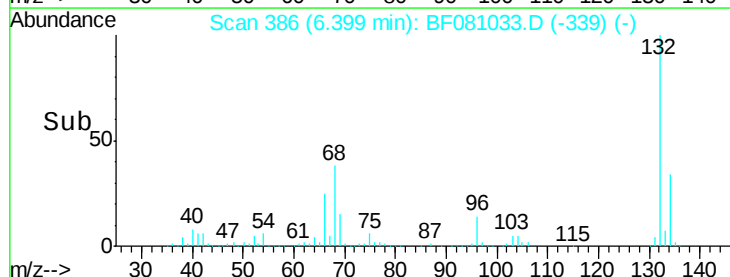
106 71.2 64.0 104.0

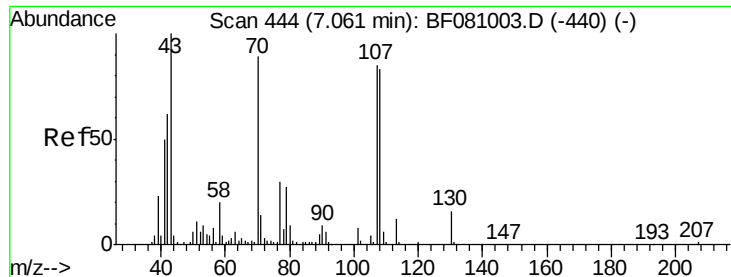


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

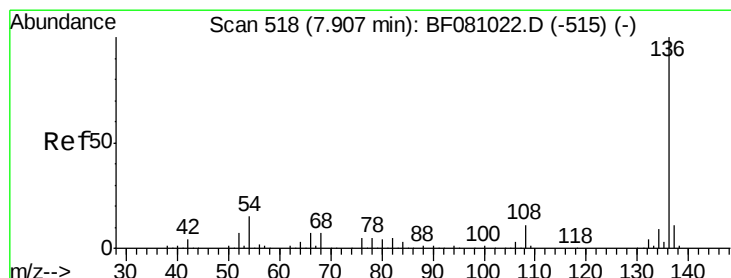
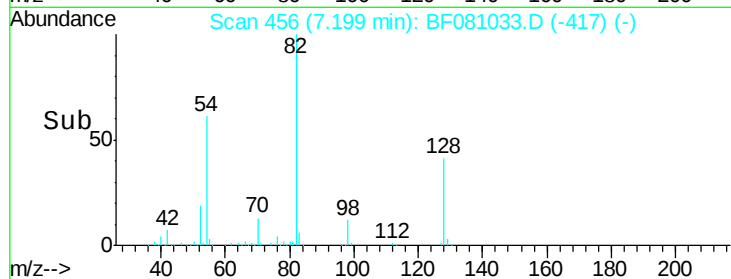
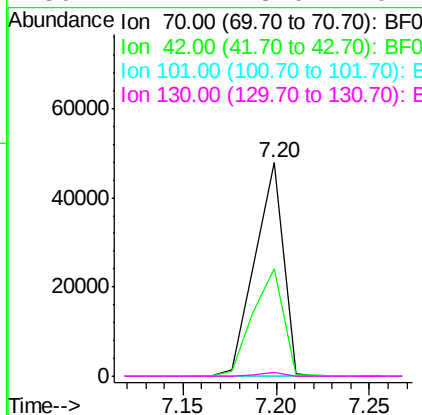
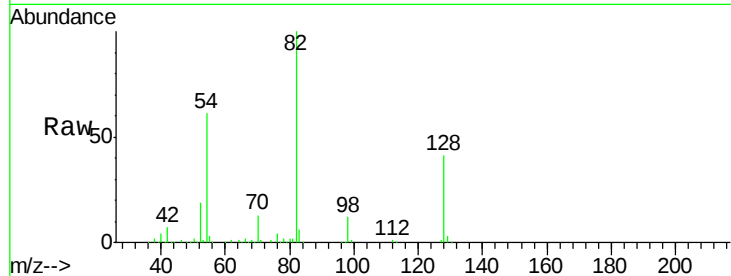




#19
n-Nitroso-di-n-propylamine
Concen: 14.62 ng
RT: 7.20 min Scan# 456
Delta R.T. 0.15 min
Lab File: BF081033.D
Acq: 18 Aug 2015 6:53

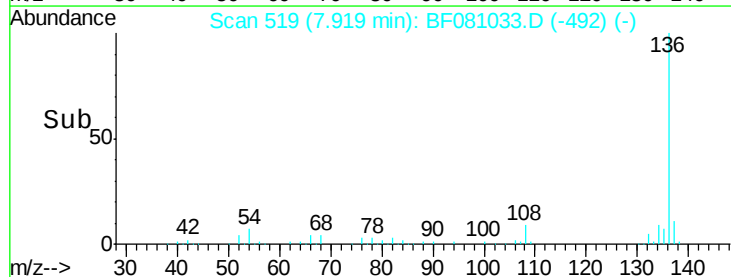
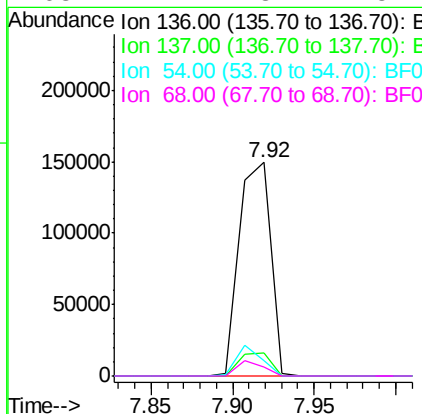
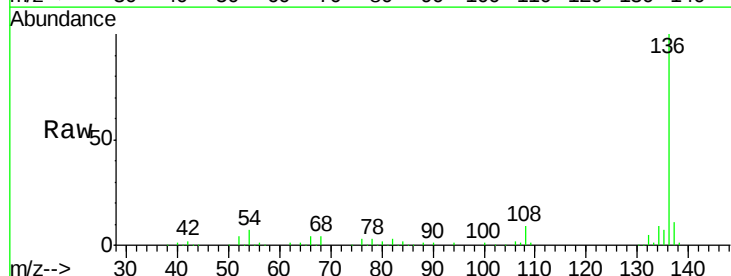
Instrument :
BNA_F
ClientSampleId :
2A(0-2)-2

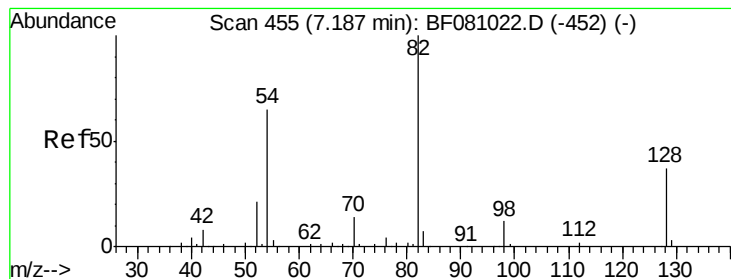
Tot Ion: 70 Resp: 50510
Ion Ratio Lower Upper
70 100
42 50.3 65.0 97.4#
101 0.0 7.4 11.2#
130 2.1 13.0 19.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 519
Delta R.T. 0.01 min
Lab File: BF081033.D
Acq: 18 Aug 2015 6:53

Tgt Ion: 136 Resp: 199245
Ion Ratio Lower Upper
136 100
137 10.9 8.2 12.2
54 7.1 7.7 11.5#
68 4.1 3.4 5.2





#23

Nitrobenzene-d5

Concen: 84.48 ng

RT: 7.20 min Scan# 456

Delta R.T. 0.01 min

Lab File: BF081033.D

Acq: 18 Aug 2015 6:53

Instrument :

BNA_F

ClientSampled :

2A(0-2)-2

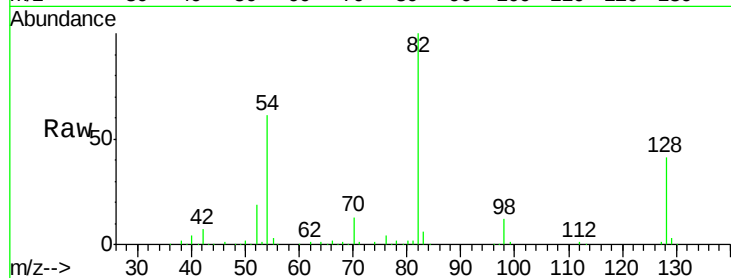
Tot Ion: 82 Resp: 368458

Ion Ratio Lower Upper

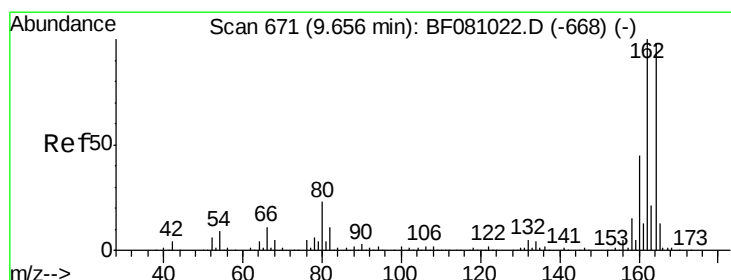
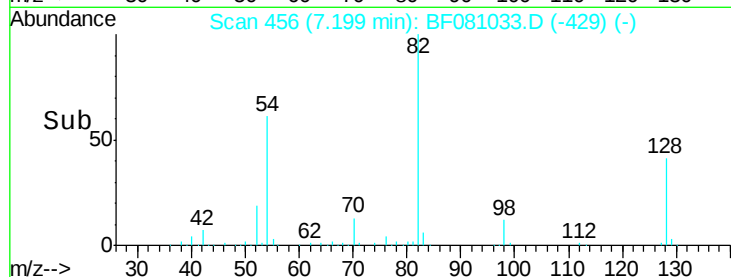
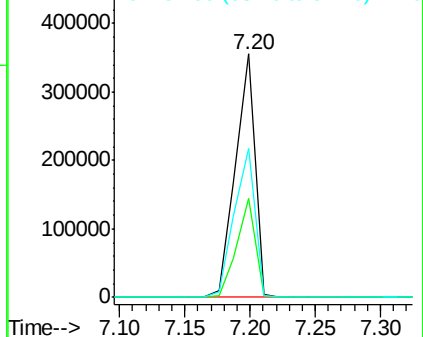
82 100

128 40.9 28.6 42.8

54 61.4 55.1 82.7



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF081033.D

Acq: 18 Aug 2015 6:53

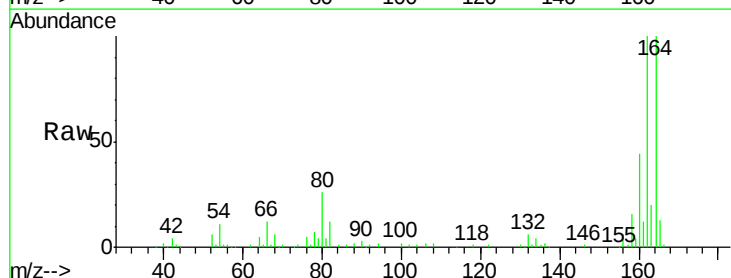
Tgt Ion:164 Resp: 88081

Ion Ratio Lower Upper

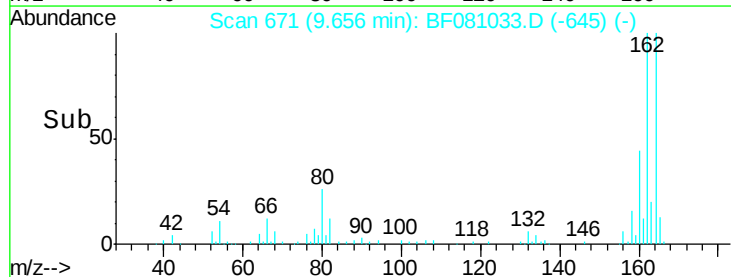
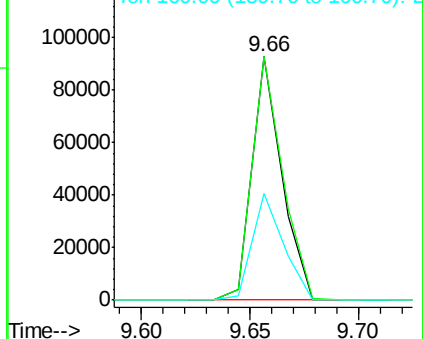
164 100

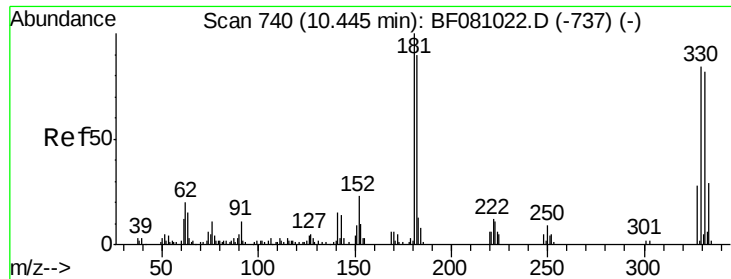
162 100.1 83.8 125.8

160 44.0 39.8 59.8



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

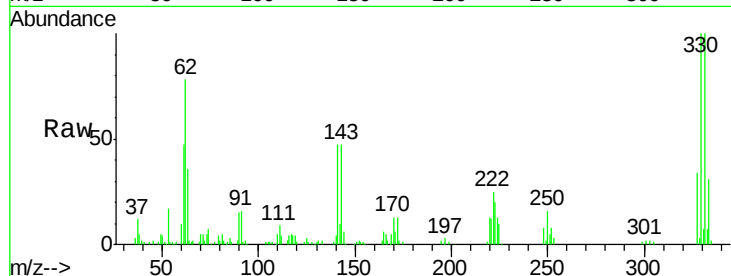




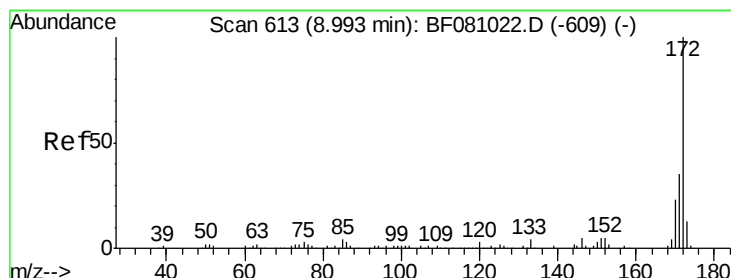
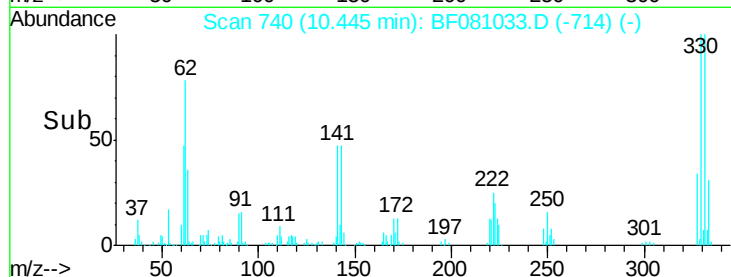
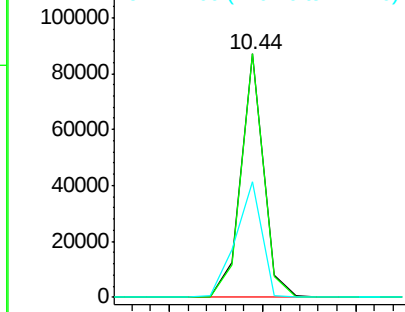
#41
 2,4,6-Tribromophenol
 Concen: 96.90 ng
 RT: 10.44 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: BF081033.D
 Acq: 18 Aug 2015 6:53

Instrument :
 BNA_F
 ClientSampleId :
 2A(0-2)-2

Tot Ion:330 Resp: 73984
 Ion Ratio Lower Upper
 330 100
 332 98.5 77.3 115.9
 141 55.4 44.9 67.3

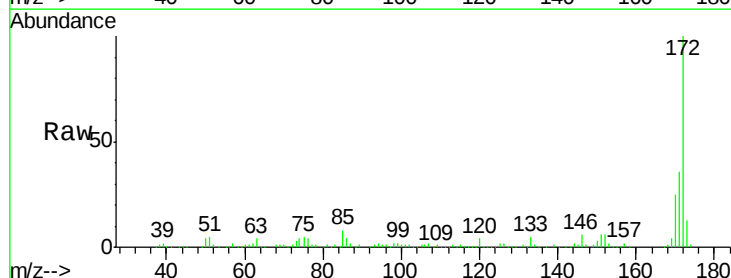


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

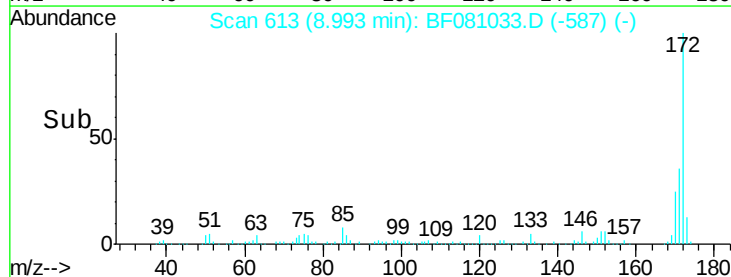
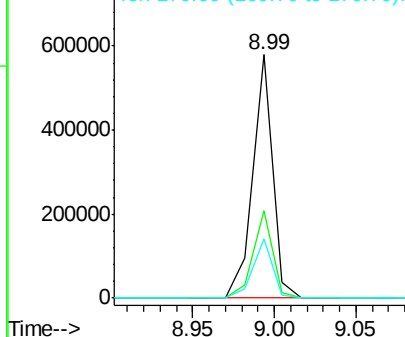


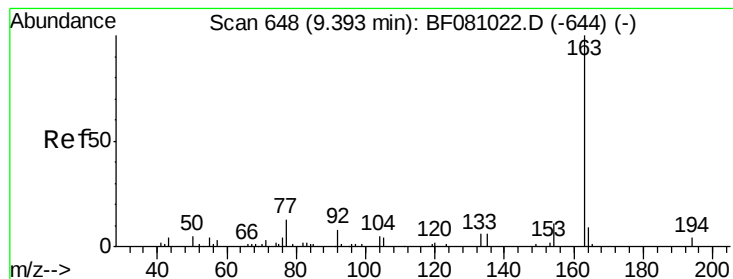
#44
 2-Fluorobiphenyl
 Concen: 72.72 ng
 RT: 8.99 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: BF081033.D
 Acq: 18 Aug 2015 6:53

Tgt Ion:172 Resp: 488821
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.9 43.3
 170 24.5 19.4 29.2



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: 13.65 ng

RT: 9.39 min Scan# 648

Delta R.T. 0.00 min

Lab File: BF081033.D

Acq: 18 Aug 2015 6:53

Instrument :

BNA_F

ClientSampleId :

2A(0-2)-2

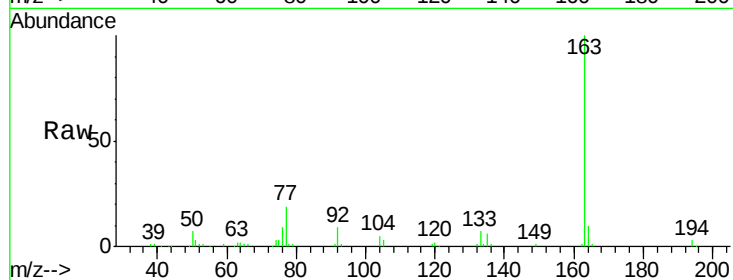
Tot Ion:163 Resp: 99030

Ion Ratio Lower Upper

163 100

194 3.5 2.5 3.7

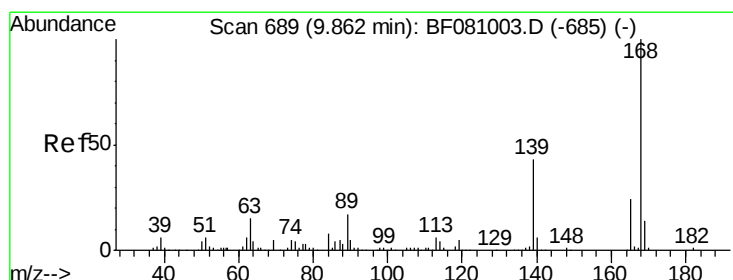
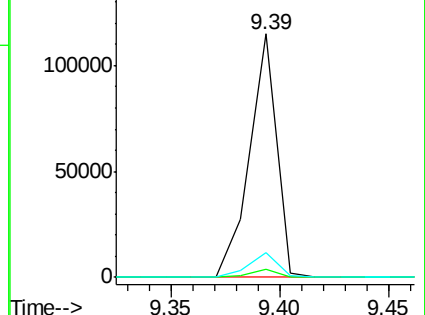
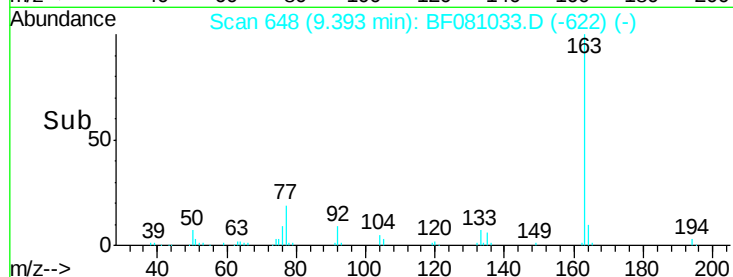
164 10.2 8.1 12.1



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: 5.43 ng

RT: 9.66 min Scan# 671

Delta R.T. -0.19 min

Lab File: BF081033.D

Acq: 18 Aug 2015 6:53

Tgt Ion:165 Resp: 11219

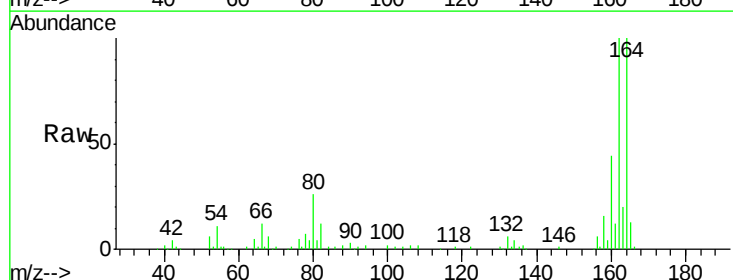
Ion Ratio Lower Upper

165 100

63 0.0 52.2 78.4#

89 0.0 60.1 90.1#

182 0.0 1.8 2.6#

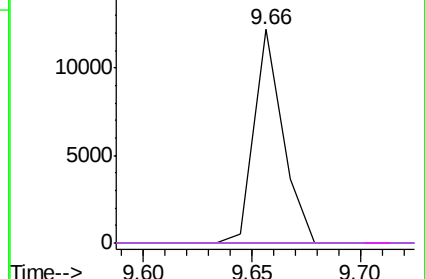
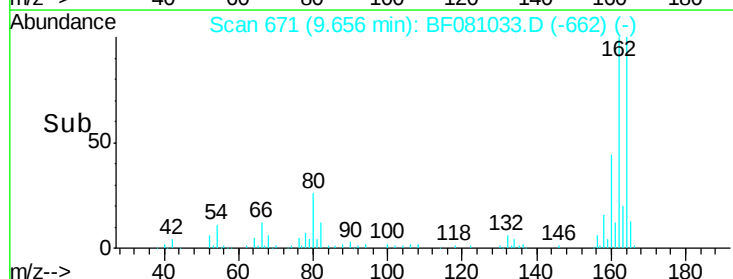


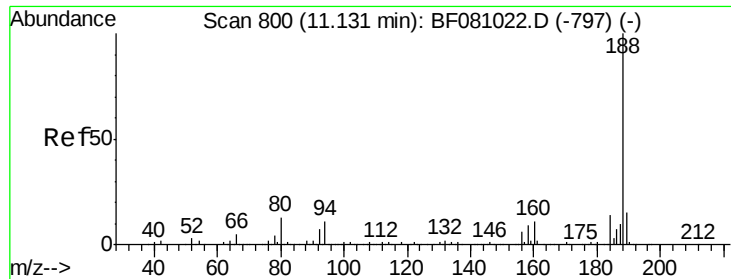
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.13 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF081033.D

Acq: 18 Aug 2015 6:53

Instrument :

BNA_F

ClientSampleId :

2A(0-2)-2

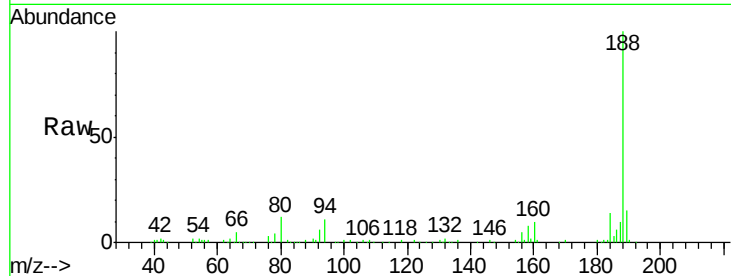
Tot Ion:188 Resp: 149737

Ion Ratio Lower Upper

188 100

94 10.9 8.2 12.2

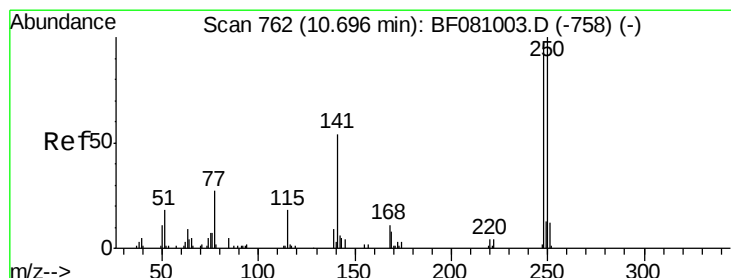
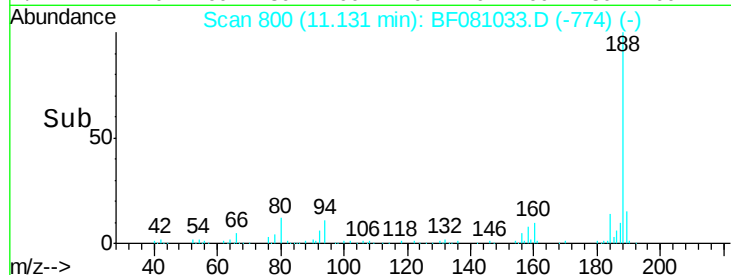
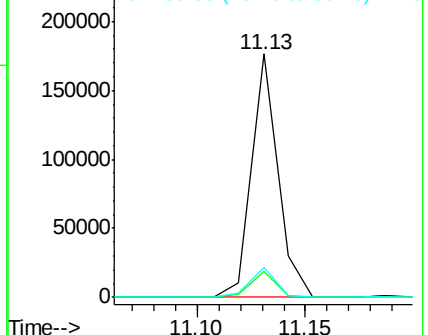
80 12.3 9.5 14.3



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: 4.20 ng

RT: 10.44 min Scan# 740

Delta R.T. -0.24 min

Lab File: BF081033.D

Acq: 18 Aug 2015 6:53

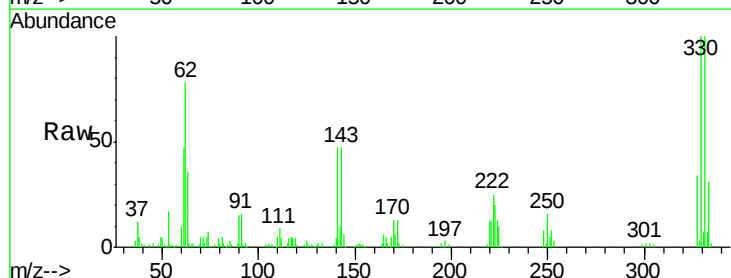
Tgt Ion:248 Resp: 6179

Ion Ratio Lower Upper

248 100

250 192.1 77.8 116.6#

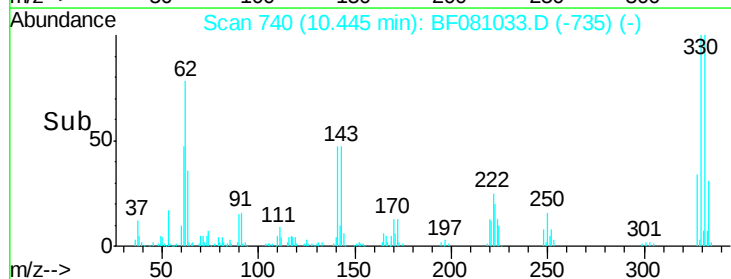
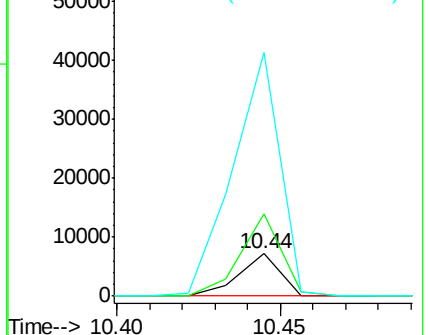
141 571.7 39.8 59.6#

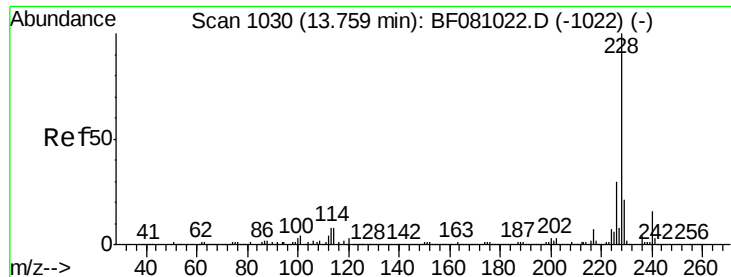


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.75 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF081033.D

Acq: 18 Aug 2015 6:53

Instrument :

BNA_F

ClientSampleId :

2A(0-2)-2

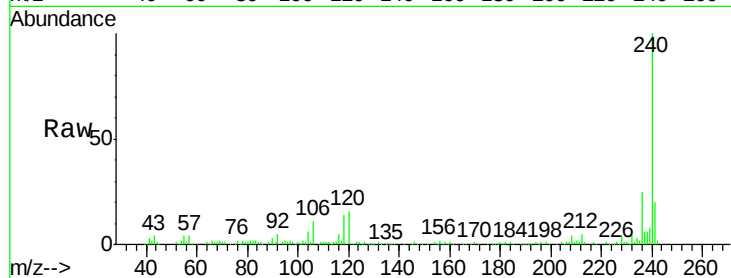
Tot Ion:240 Resp: 122692

Ion Ratio Lower Upper

240 100

120 15.5 5.6 8.4#

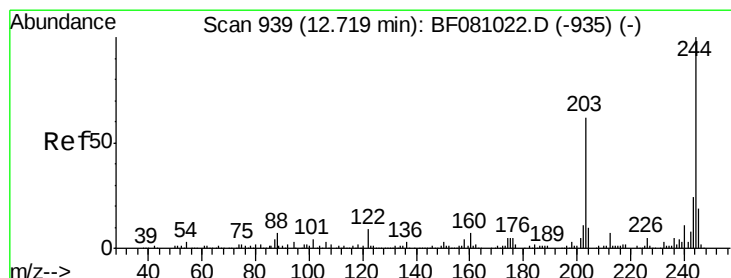
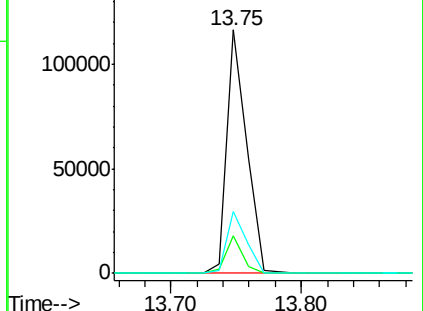
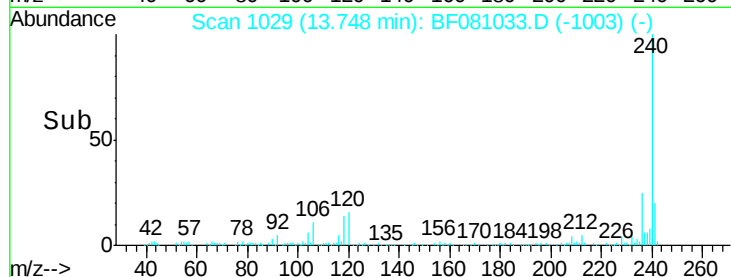
236 25.2 20.6 30.8



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: 62.32 ng

RT: 12.72 min Scan# 939

Delta R.T. 0.01 min

Lab File: BF081033.D

Acq: 18 Aug 2015 6:53

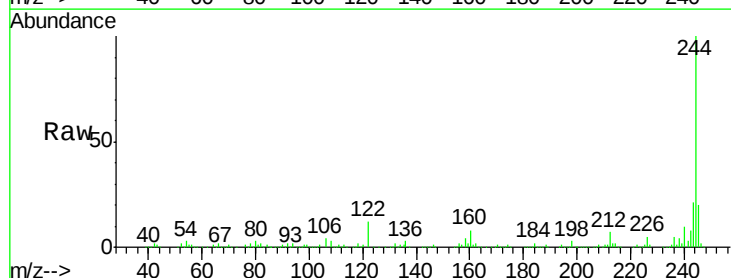
Tgt Ion:244 Resp: 356642

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

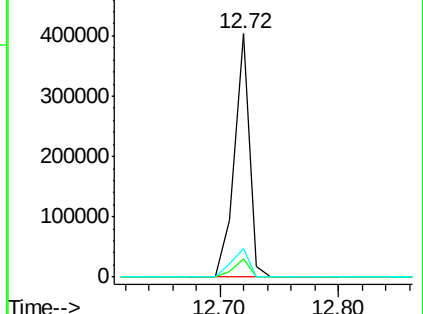
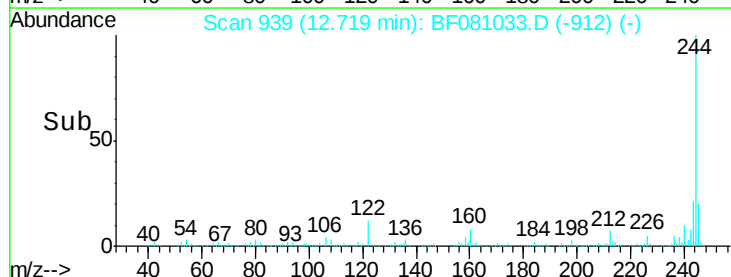
122 11.8 8.2 12.4

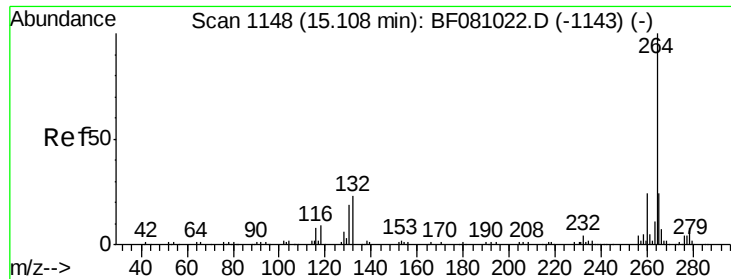


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.11 min Scan# 1148

Delta R.T. 0.01 min

Lab File: BF081033.D

Acq: 18 Aug 2015 6:53

Instrument :

BNA_F

ClientSampleId :

2A(0-2)-2

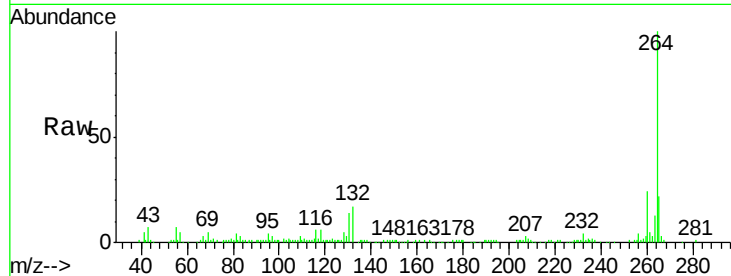
Tot Ion:264 Resp: 92050

Ion Ratio Lower Upper

264 100

260 23.8 19.6 29.4

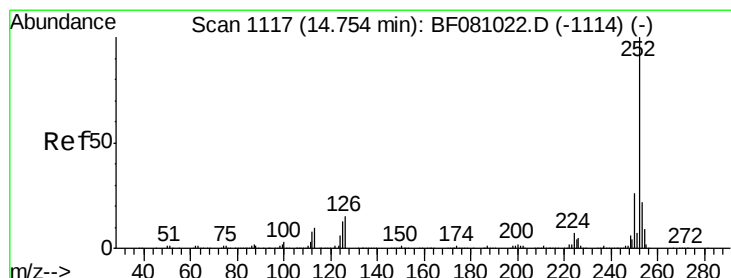
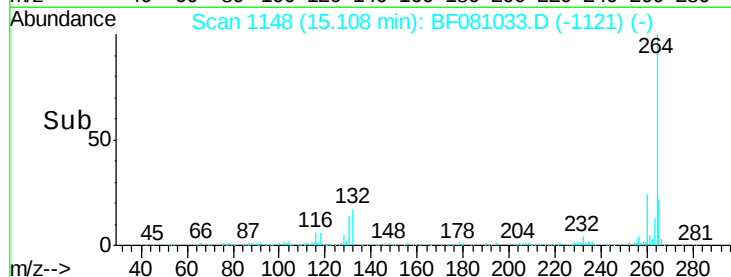
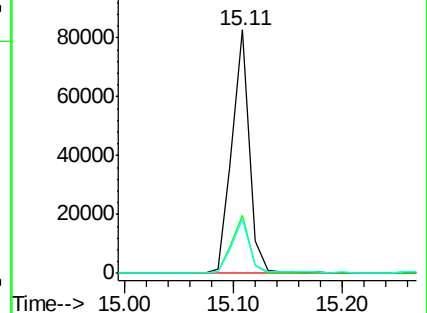
265 22.2 17.5 26.3



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



#87

Benzo(b)fluoranthene

Concen: 2.21 ng

RT: 14.74 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BF081033.D

Acq: 18 Aug 2015 6:53

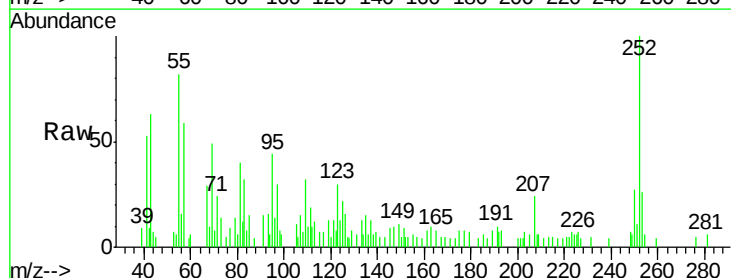
Tgt Ion:252 Resp: 14401

Ion Ratio Lower Upper

252 100

253 25.9 17.1 25.7#

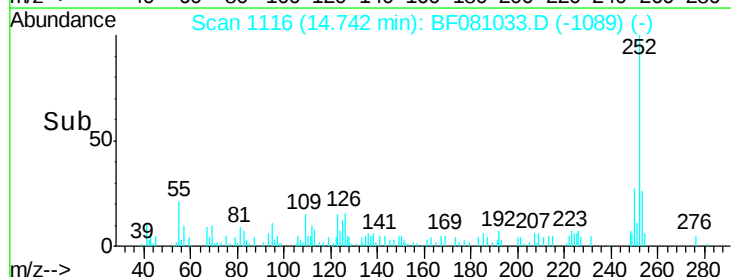
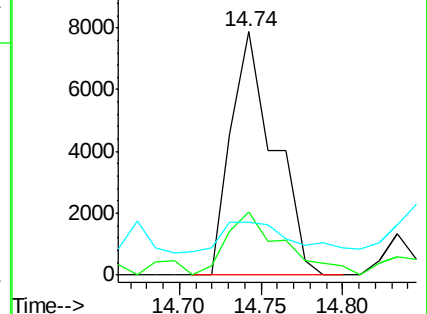
125 21.5 8.0 12.0#

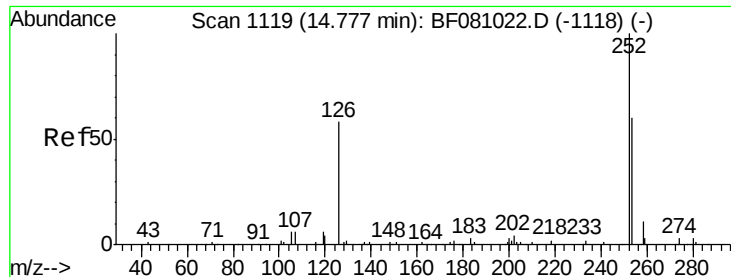


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 2.37 ng

RT: 14.74 min Scan# 1116

Delta R.T. -0.02 min

Lab File: BF081033.D

Acq: 18 Aug 2015 6:53

Instrument :

BNA_F

ClientSampleId :

2A(0-2)-2

Tot Ion: 252 Resp: 14401

Ion Ratio Lower Upper

252 100

253 25.9 17.6 26.4

125 21.5 10.3 15.5#

