

Data Path : Z:\HPCHEM1\BNA_F\Data\BF081915\
 Data File : BF081116.D
 Acq On : 20 Aug 2015 9:18
 Operator : UM/IZ
 Sample : G3325-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Quant Time: Aug 20 11:34:19 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 11:22:13 2015
 Response via : Initial Calibration

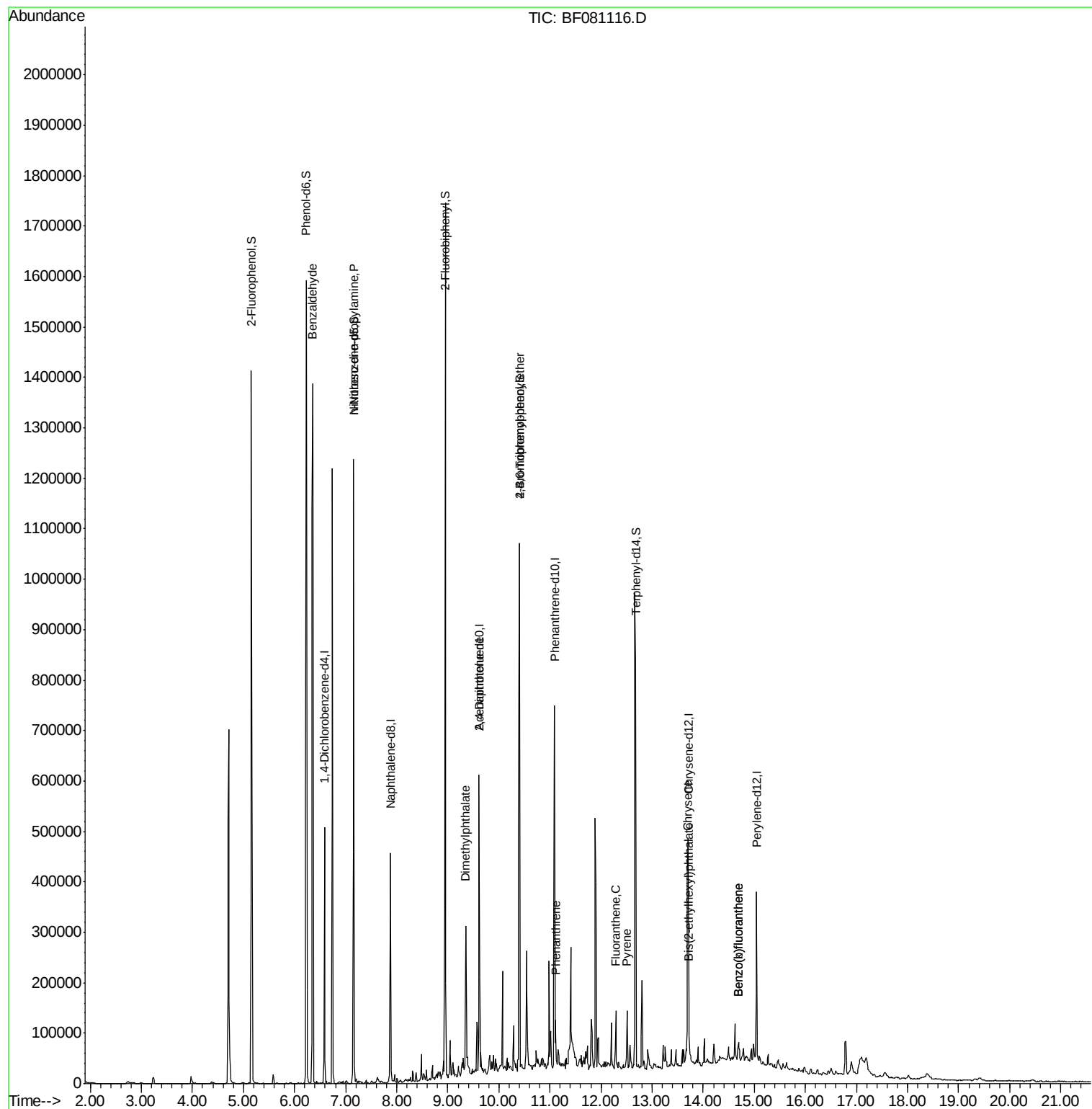
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	63480	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	249529	20.00	ng	0.00
38) Acenaphthene-d10	9.61	164	110133	20.00	ng	-0.01
63) Phenanthrene-d10	11.09	188	243516	20.00	ng	0.00
75) Chrysene-d12	13.71	240	175507	20.00	ng	0.00
86) Perylene-d12	15.04	264	126445	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	425674	100.86	ng	0.01
7) Phenol-d6	6.23	99	547479	99.42	ng	0.00
23) Nitrobenzene-d5	7.16	82	403454	73.86	ng	-0.01
41) 2,4,6-Tribromophenol	10.40	330	98527	103.20	ng	0.00
44) 2-Fluorobiphenyl	8.95	172	491566	58.48	ng	-0.01
78) Terphenyl-d14	12.68	244	398574	48.69	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.36	77	11964	3.37	ng	91
19) n-Nitroso-di-n-propylamine	7.16	70	53633	14.06	ng	# 70
49) Dimethylphthalate	9.35	163	97617	10.76	ng	100
56) 2,4-Dinitrotoluene	9.61	165	14957	5.79	ng	# 19
66) 4-Bromophenyl-phenylether	10.40	248	8031	3.36	ng	# 1
70) Phenanthrene	11.11	178	35757	2.48	ng	99
74) Fluoranthene	12.29	202	46092	2.96	ng	97
77) Pyrene	12.51	202	40699	2.85	ng	96
82) Chrysene	13.69	228	22646	2.13	ng	96
83) Bis(2-ethylhexyl)phthalate	13.72	149	16877	2.15	ng	98
87) Benzo(b)fluoranthene	14.69	252	21279	2.38	ng	# 88
88) Benzo(k)fluoranthene	14.69	252	21279	2.55	ng	# 91

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

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QLast Update : Thu Aug 20 11:22:13 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 411

Delta R.T. -0.00 min

Lab File: BF081116.D

Acq: 20 Aug 2015 9:18

Instrument :

BNA_F

ClientSampleId :

SP-1

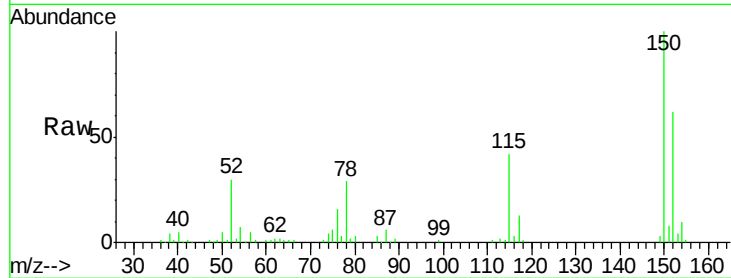
Tgt Ion:152 Resp: 63480

Ion Ratio Lower Upper

152 100

150 160.0 123.8 185.6

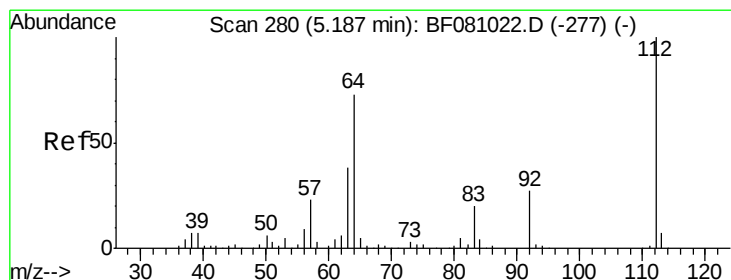
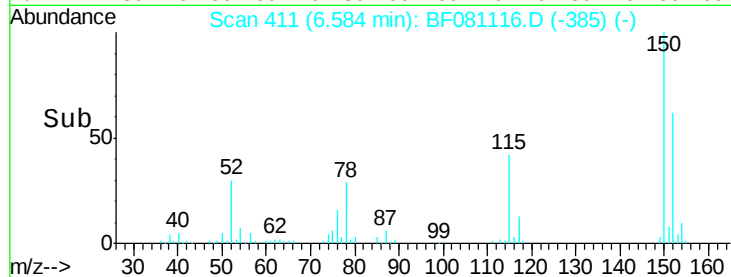
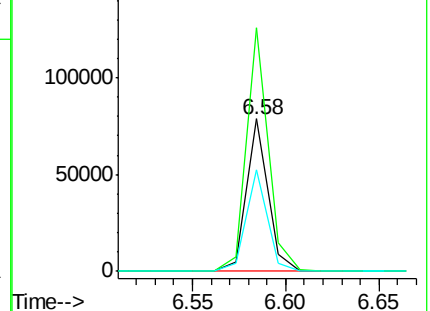
115 67.1 52.1 78.1



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: 100.86 ng

RT: 5.16 min Scan# 286

Delta R.T. 0.01 min

Lab File: BF081116.D

Acq: 20 Aug 2015 9:18

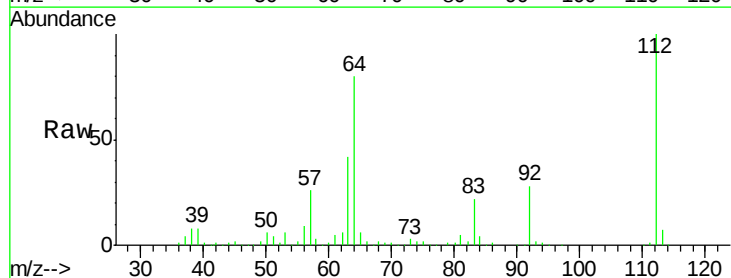
Tgt Ion:112 Resp: 425674

Ion Ratio Lower Upper

112 100

64 79.9 66.9 100.3

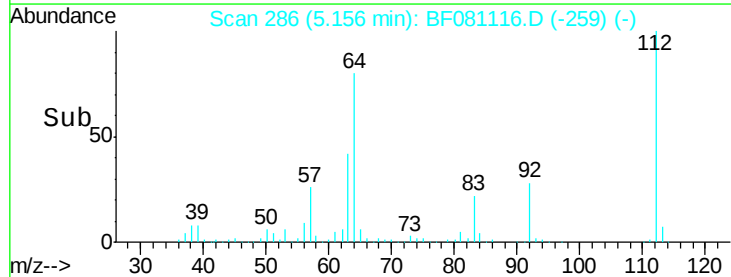
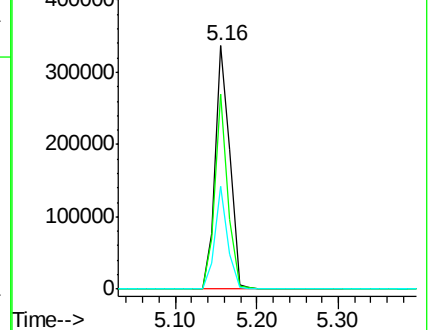
63 42.0 38.1 57.1

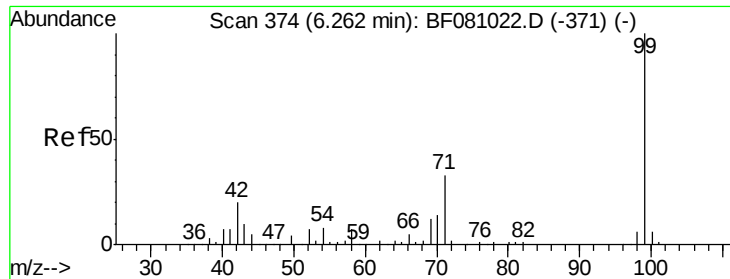


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 99.42 ng

RT: 6.23 min Scan# 380

Delta R.T. -0.00 min

Lab File: BF081116.D

Acq: 20 Aug 2015 9:18

Instrument :

BNA_F

ClientSampleId :

SP-1

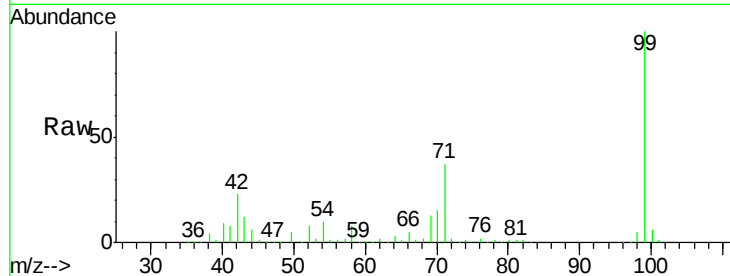
Tgt Ion: 99 Resp: 547479

Ion Ratio Lower Upper

99 100

42 23.4 19.6 29.4

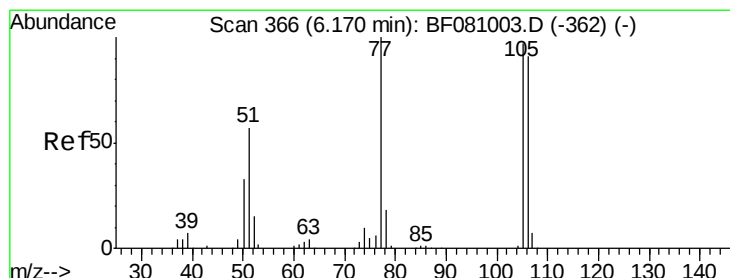
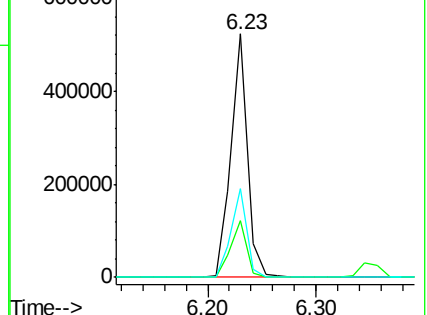
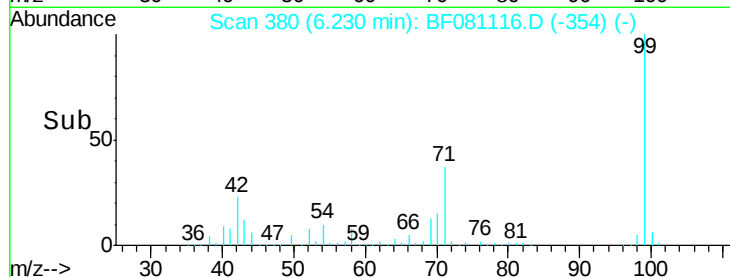
71 36.7 31.2 46.8



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: 3.37 ng

RT: 6.36 min Scan# 391

Delta R.T. 0.23 min

Lab File: BF081116.D

Acq: 20 Aug 2015 9:18

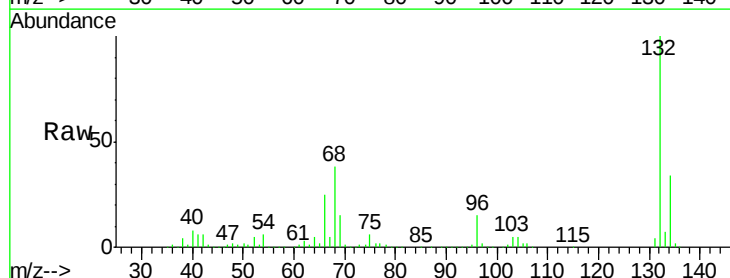
Tgt Ion: 77 Resp: 11964

Ion Ratio Lower Upper

77 100

105 79.6 69.6 109.6

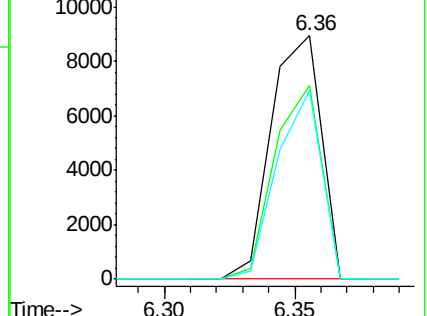
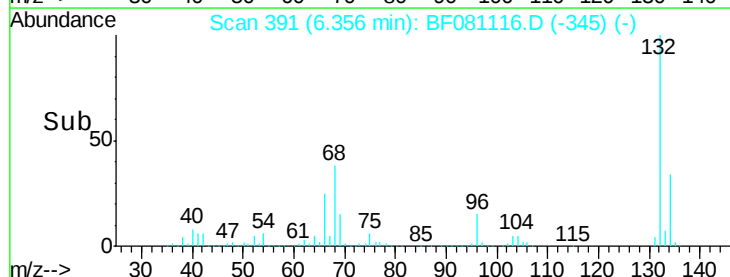
106 77.3 64.0 104.0

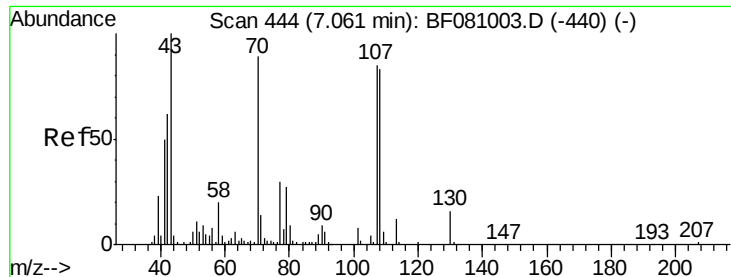


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

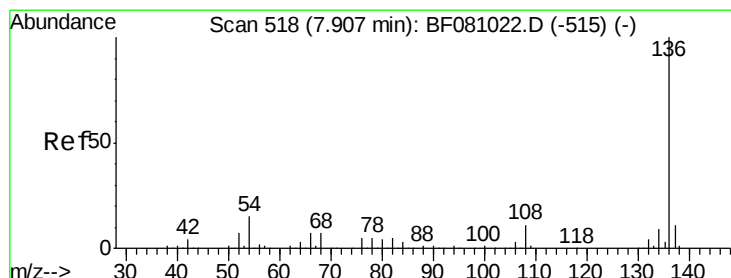
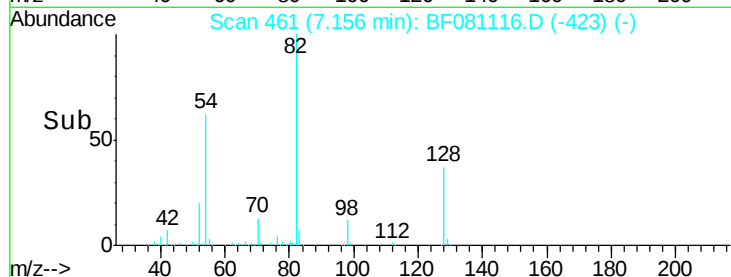
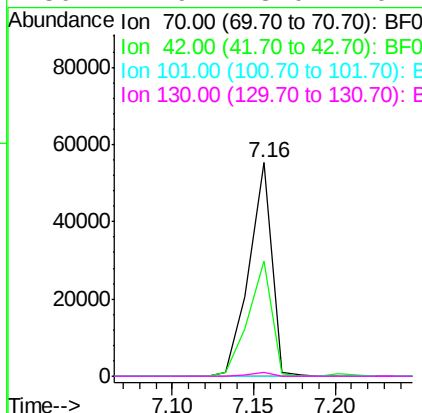
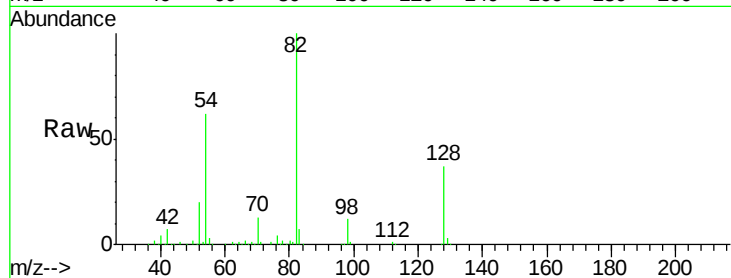




#19
n-Nitroso-di-n-propylamine
Concen: 14.06 ng
RT: 7.16 min Scan# 461
Delta R.T. 0.14 min
Lab File: BF081116.D
Acq: 20 Aug 2015 9:18

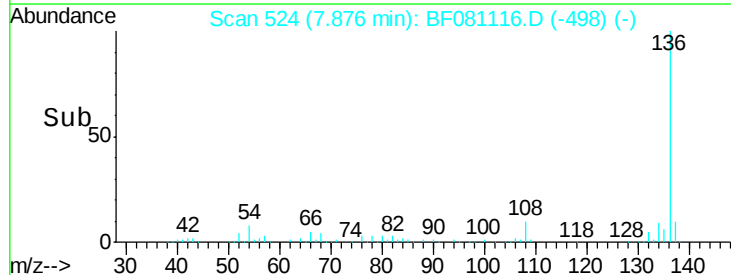
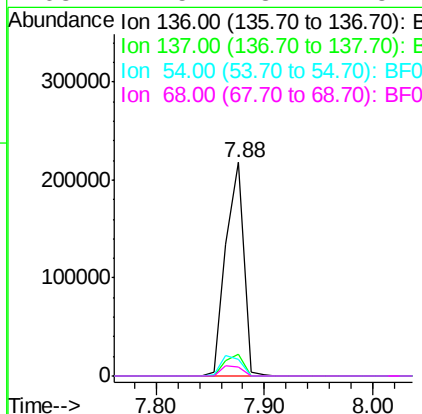
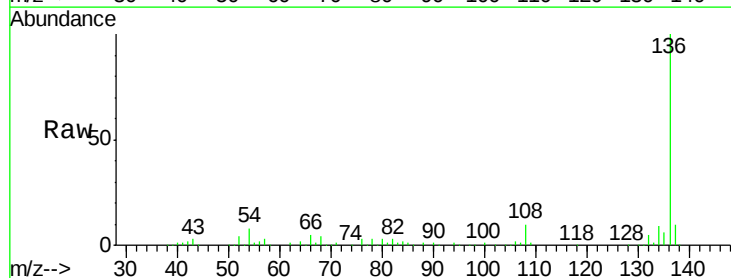
Instrument :
BNA_F
ClientSampleId :
SP-1

Tgt Ion: 70 Resp: 53633
Ion Ratio Lower Upper
70 100
42 54.2 65.0 97.4#
101 0.0 7.4 11.2#
130 1.9 13.0 19.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 524
Delta R.T. -0.00 min
Lab File: BF081116.D
Acq: 20 Aug 2015 9:18

Tgt Ion: 136 Resp: 249529
Ion Ratio Lower Upper
136 100
137 10.1 8.2 12.2
54 8.1 7.7 11.5
68 4.5 3.4 5.2

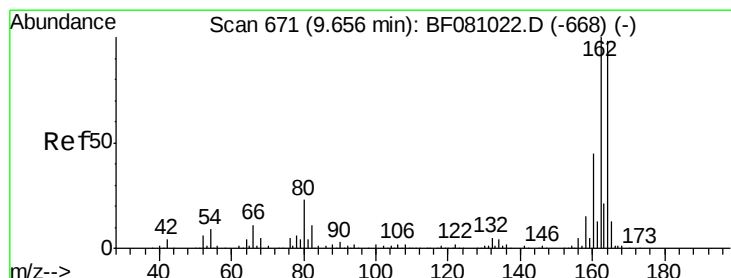
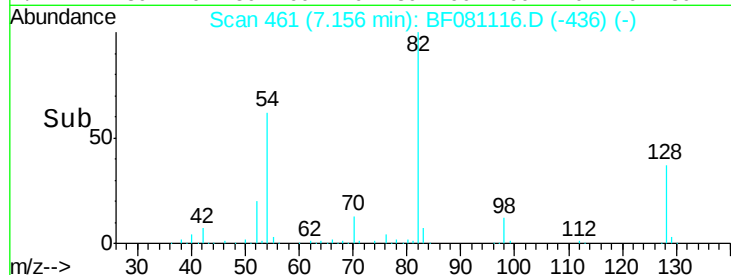
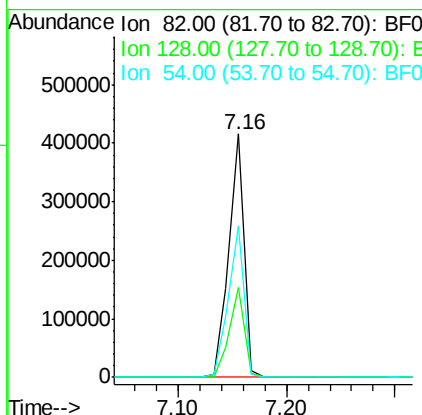
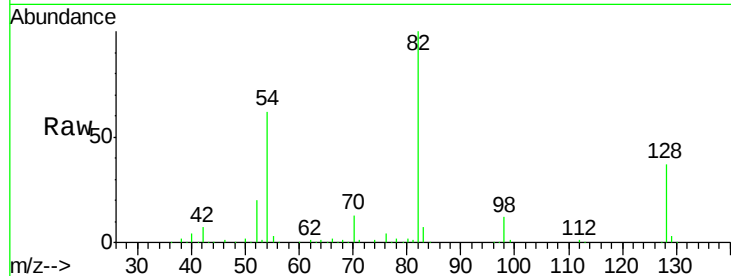




#23
 Nitrobenzene-d5
 Concen: 73.86 ng
 RT: 7.16 min Scan# 461
 Delta R.T. -0.01 min
 Lab File: BF081116.D
 Acq: 20 Aug 2015 9:18

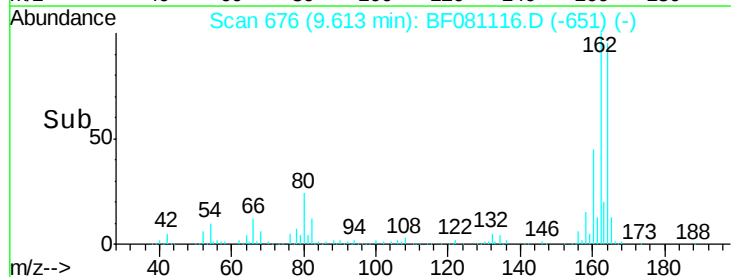
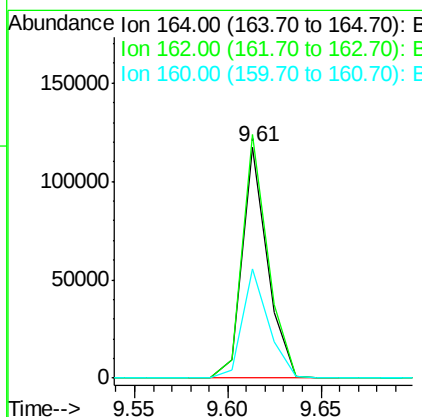
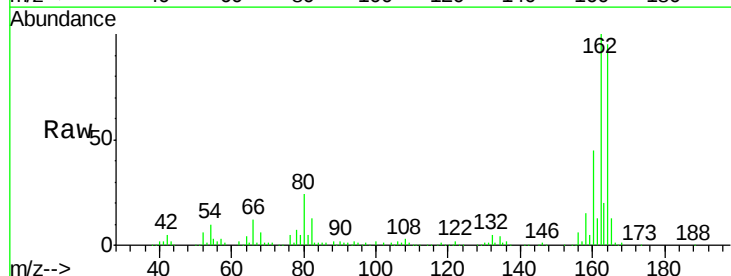
Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Tgt Ion: 82 Resp: 403454
 Ion Ratio Lower Upper
 82 100
 128 37.2 28.6 42.8
 54 62.3 55.1 82.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.61 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF081116.D
 Acq: 20 Aug 2015 9:18

Tgt Ion: 164 Resp: 110133
 Ion Ratio Lower Upper
 164 100
 162 105.3 83.8 125.8
 160 47.0 39.8 59.8





#41

2,4,6-Tribromophenol

Concen: 103.20 ng

RT: 10.40 min Scan# 745

Delta R.T. -0.00 min

Lab File: BF081116.D

Acq: 20 Aug 2015 9:18

Instrument :

BNA_F

ClientSampleId :

SP-1

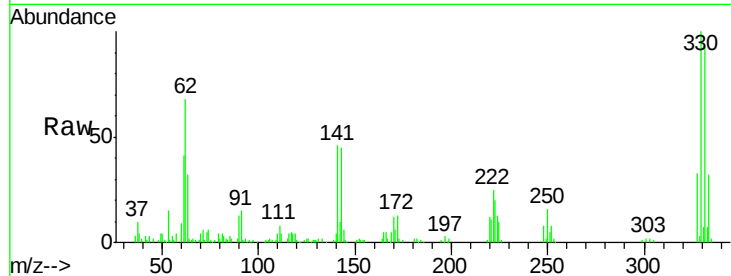
Tgt Ion:330 Resp: 98527

Ion Ratio Lower Upper

330 100

332 93.7 77.3 115.9

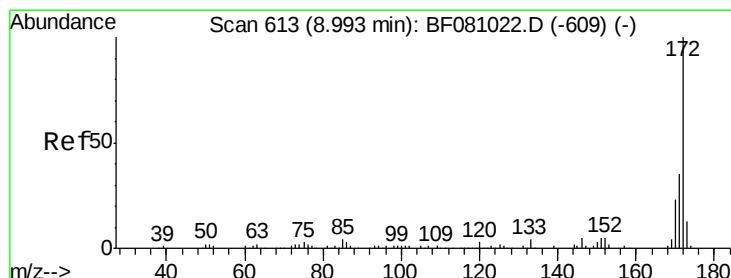
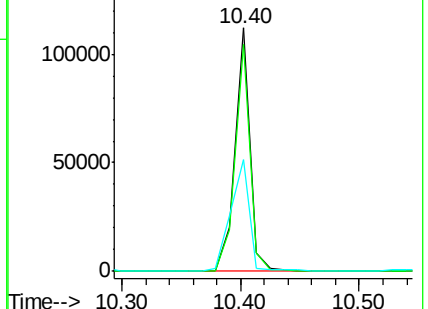
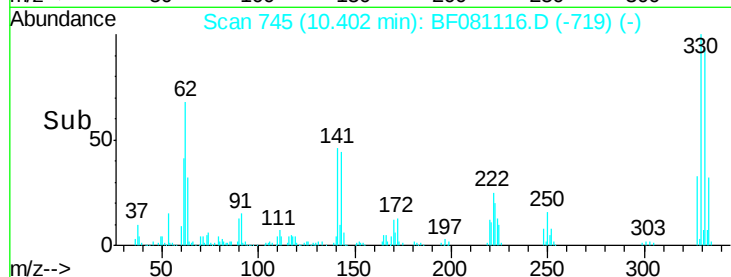
141 58.2 44.9 67.3



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: 58.48 ng

RT: 8.95 min Scan# 618

Delta R.T. -0.01 min

Lab File: BF081116.D

Acq: 20 Aug 2015 9:18

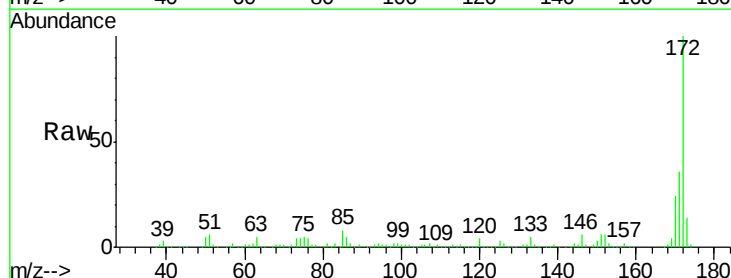
Tgt Ion:172 Resp: 491566

Ion Ratio Lower Upper

172 100

171 36.0 28.9 43.3

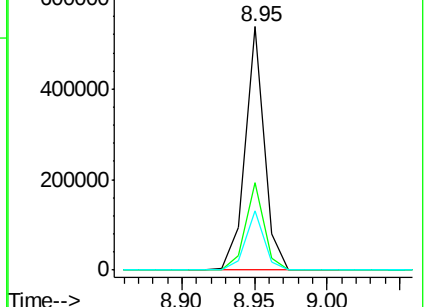
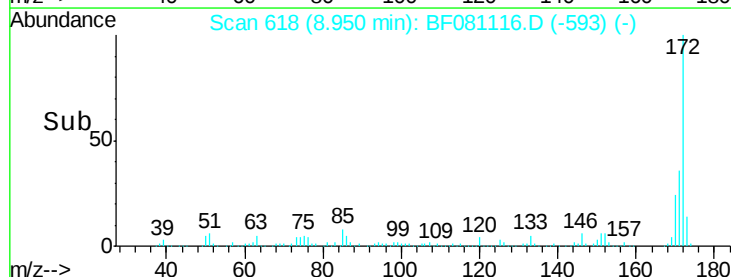
170 24.4 19.4 29.2

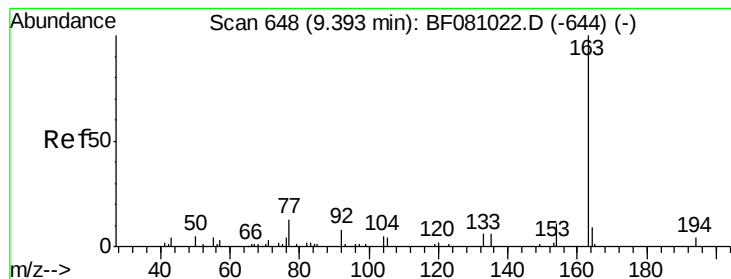


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 10.76 ng

RT: 9.35 min Scan# 653

Delta R.T. -0.01 min

Lab File: BF081116.D

Acq: 20 Aug 2015 9:18

Instrument :

BNA_F

ClientSampleId :

SP-1

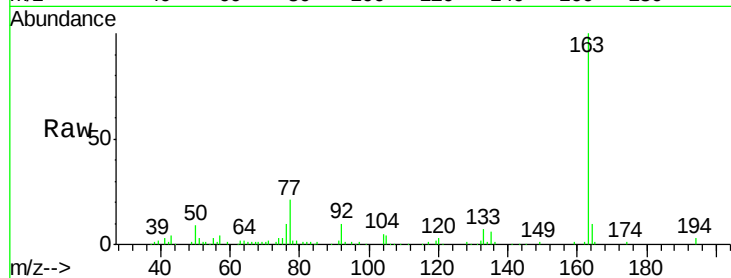
Tgt Ion:163 Resp: 97617

Ion Ratio Lower Upper

163 100

194 3.3 2.5 3.7

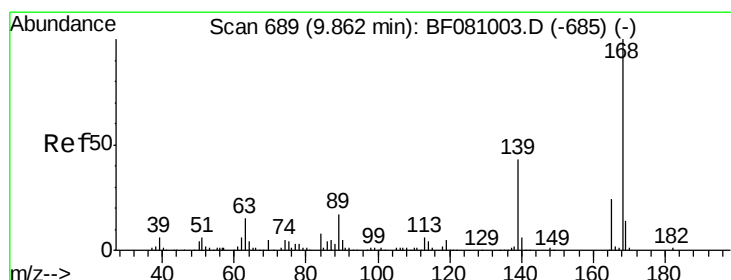
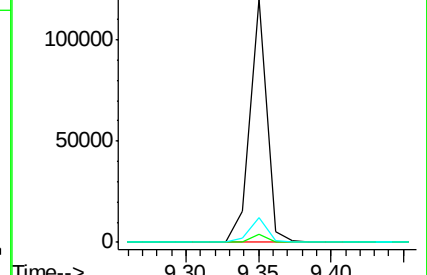
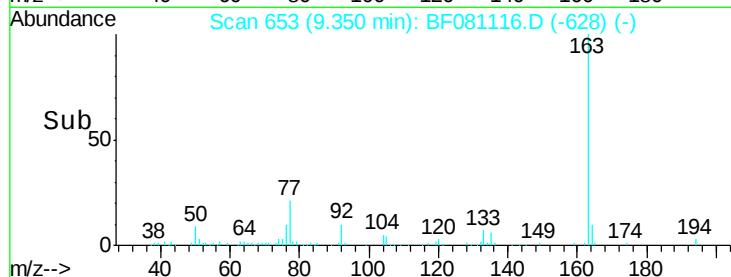
164 10.1 8.1 12.1



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: 5.79 ng

RT: 9.61 min Scan# 676

Delta R.T. -0.21 min

Lab File: BF081116.D

Acq: 20 Aug 2015 9:18

Tgt Ion:165 Resp: 14957

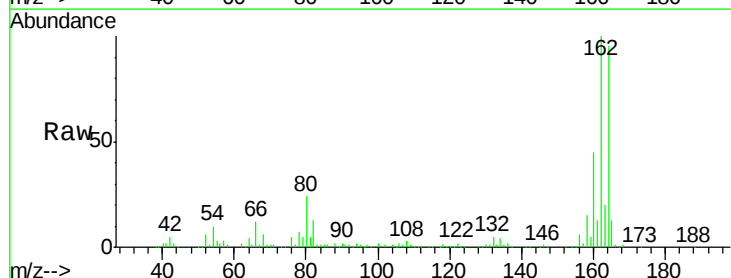
Ion Ratio Lower Upper

165 100

63 3.0 52.2 78.4#

89 2.6 60.1 90.1#

182 0.0 1.8 2.6#

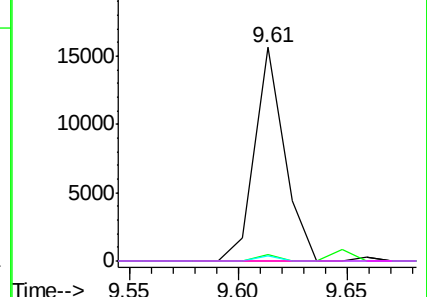
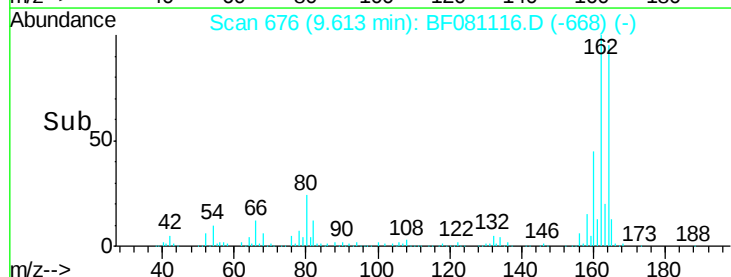


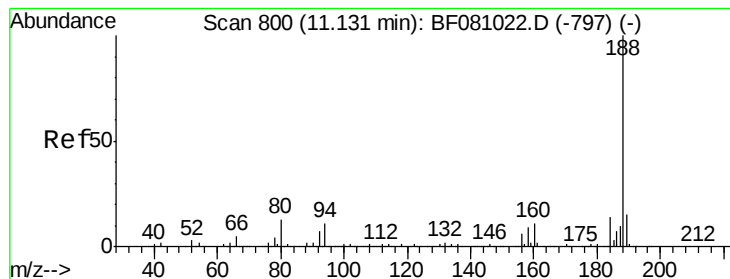
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.09 min Scan# 805

Delta R.T. -0.00 min

Lab File: BF081116.D

Acq: 20 Aug 2015 9:18

Instrument :

BNA_F

ClientSampleId :

SP-1

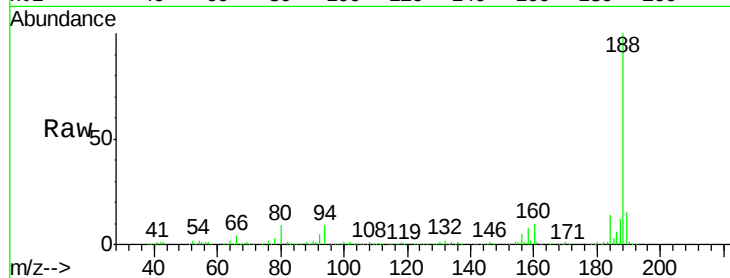
Tgt Ion:188 Resp: 243516

Ion Ratio Lower Upper

188 100

94 8.7 8.2 12.2

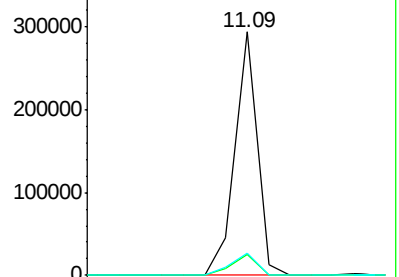
80 9.4 9.5 14.3#



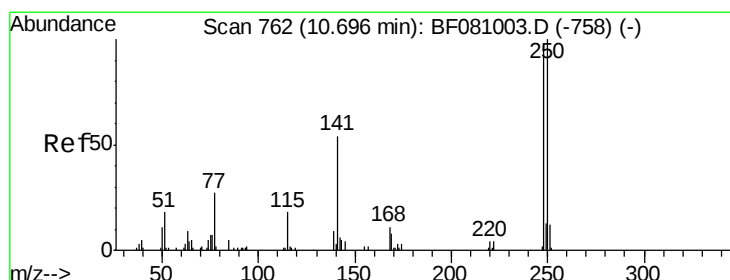
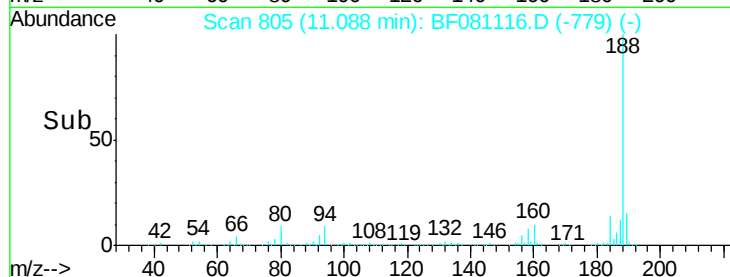
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.36 ng

RT: 10.40 min Scan# 745

Delta R.T. -0.25 min

Lab File: BF081116.D

Acq: 20 Aug 2015 9:18

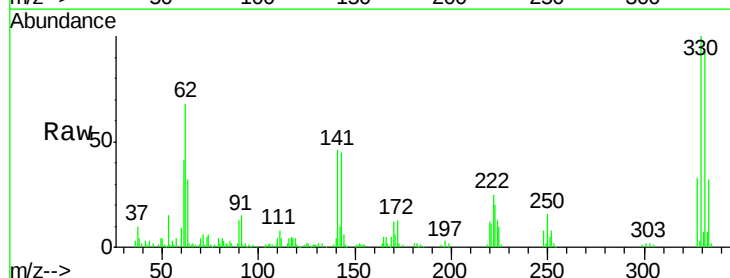
Tgt Ion:248 Resp: 8031

Ion Ratio Lower Upper

248 100

250 206.6 77.8 116.6#

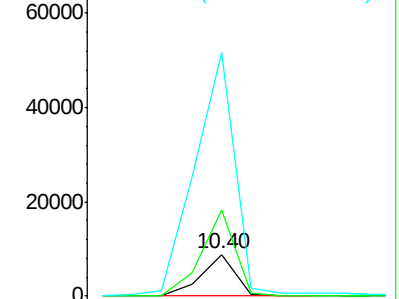
141 581.8 39.8 59.6#



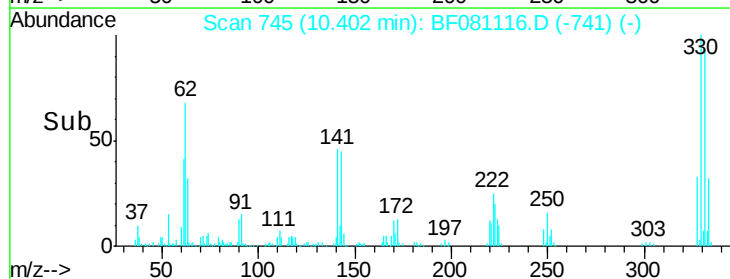
Abundance Ion 248.00 (247.70 to 248.70): E

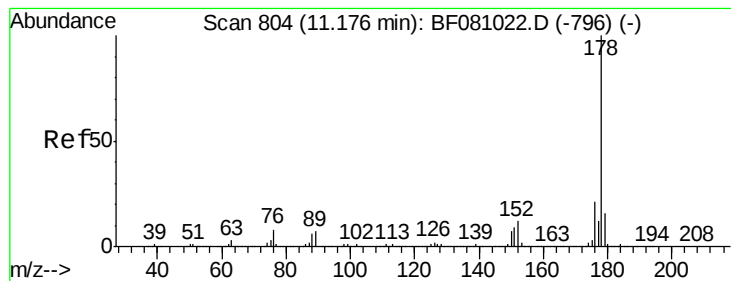
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#70

Phenanthrene

Concen: 2.48 ng

RT: 11.11 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF081116.D

Acq: 20 Aug 2015 9:18

Instrument :

BNA_F

ClientSampled :

SP-1

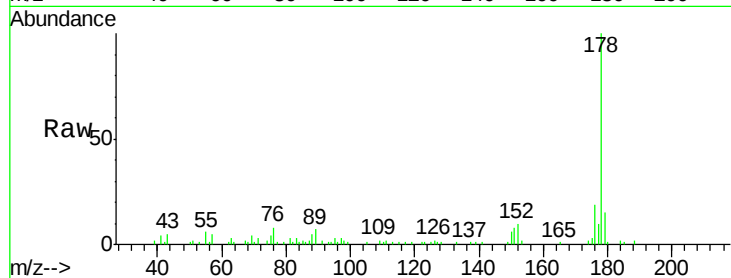
Tgt Ion:178 Resp: 35757

Ion Ratio Lower Upper

178 100

176 18.9 15.7 23.5

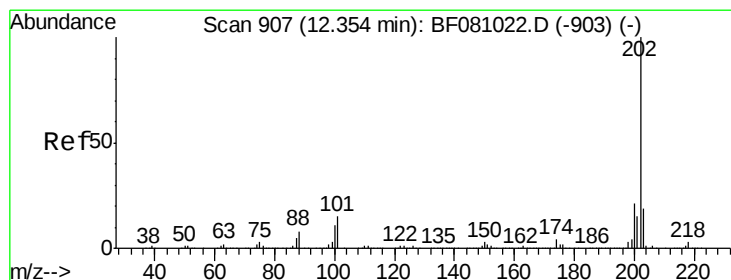
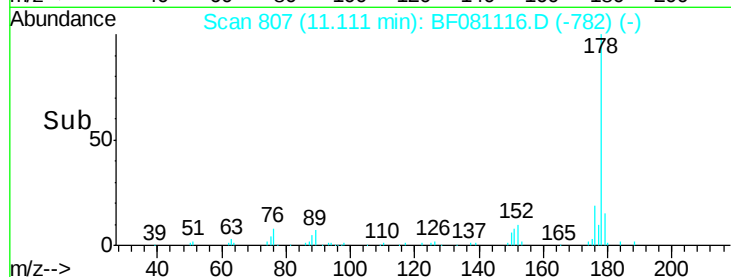
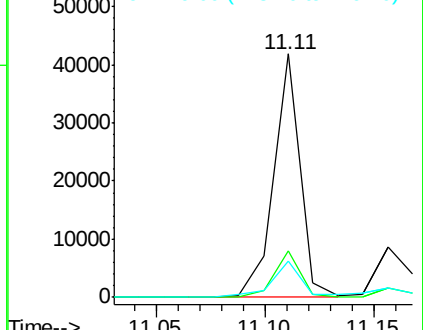
179 15.1 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 2.96 ng

RT: 12.29 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF081116.D

Acq: 20 Aug 2015 9:18

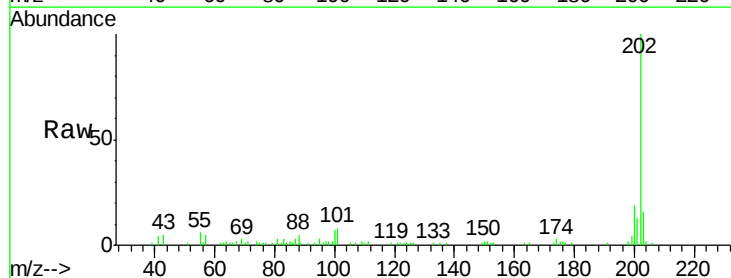
Tgt Ion:202 Resp: 46092

Ion Ratio Lower Upper

202 100

101 8.5 0.0 24.8

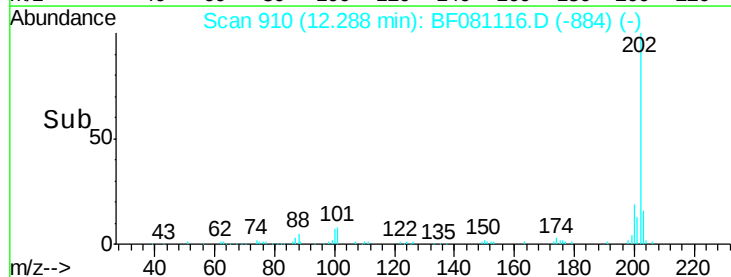
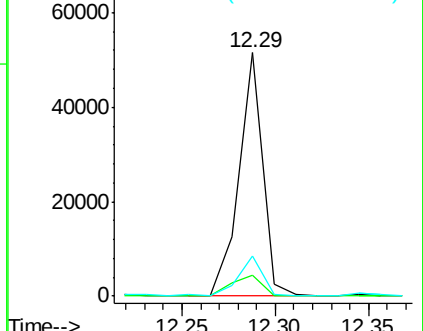
203 16.5 0.0 36.9

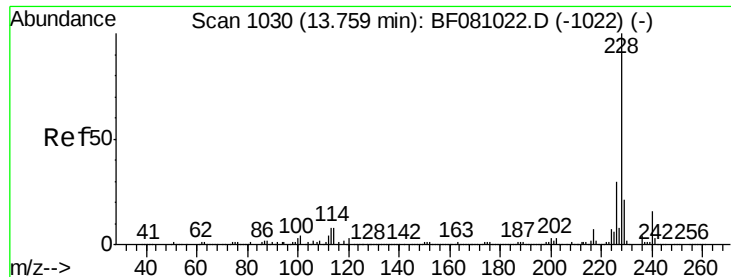


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

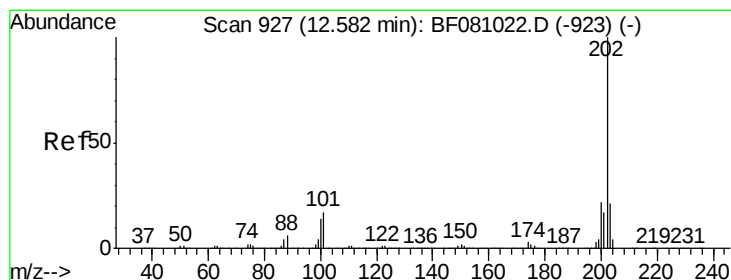
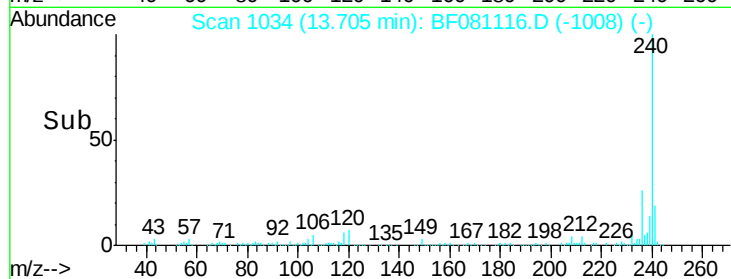
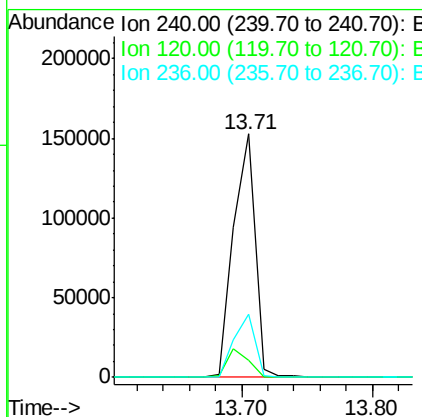
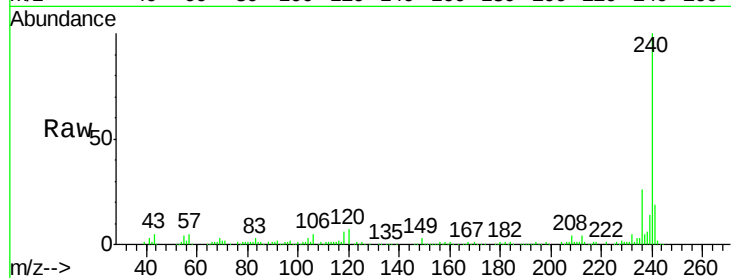




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.71 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: BF081116.D
 Acq: 20 Aug 2015 9:18

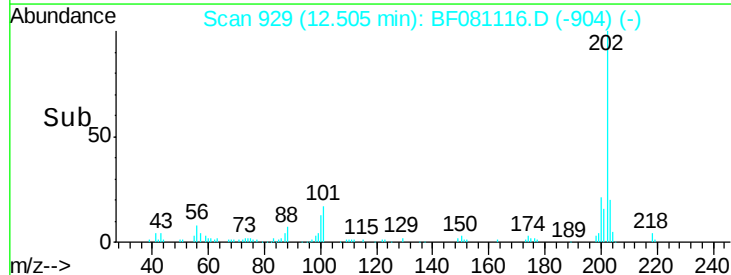
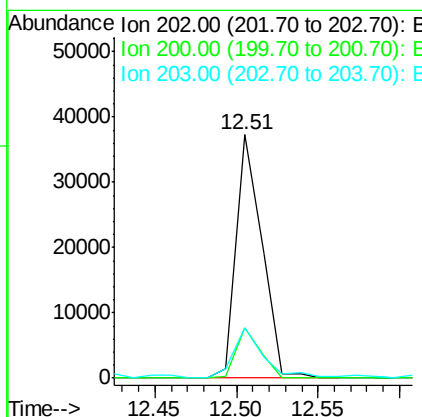
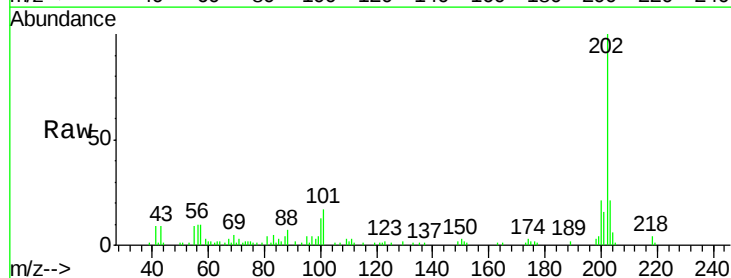
Instrument :
 BNA_F
 ClientSampleId :
 SP-1

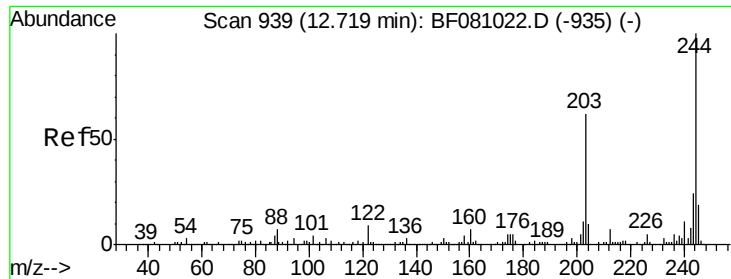
Tgt Ion: 240 Resp: 175507
 Ion Ratio Lower Upper
 240 100
 120 7.3 5.6 8.4
 236 25.9 20.6 30.8



#77
 Pyrene
 Concen: 2.85 ng
 RT: 12.51 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: BF081116.D
 Acq: 20 Aug 2015 9:18

Tgt Ion: 202 Resp: 40699
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.6 24.8
 203 20.8 14.1 21.1

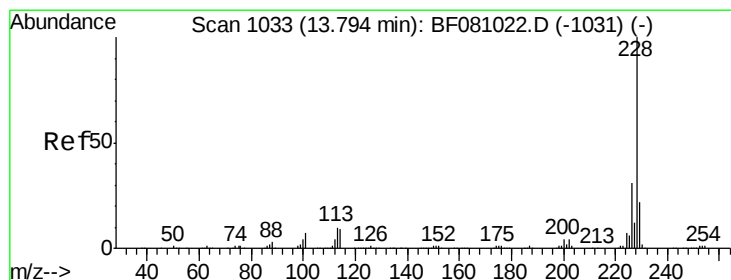
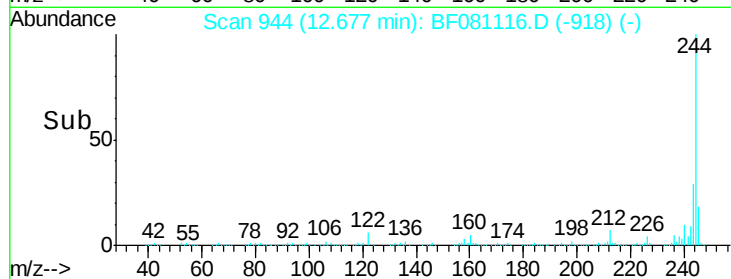
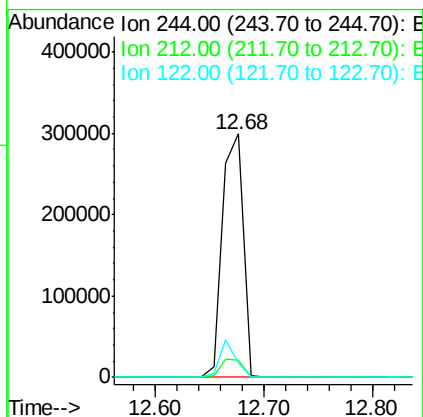
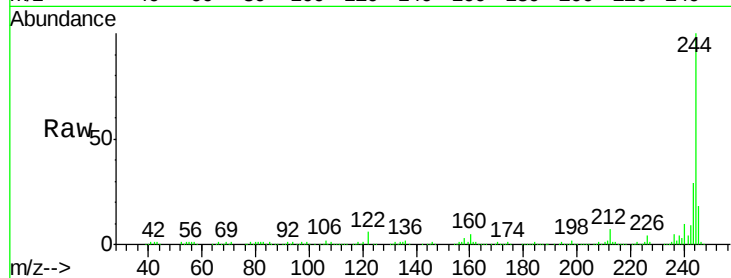




#78
 Terphenyl-d14
 Concen: 48.69 ng
 RT: 12.68 min Scan# 944
 Delta R.T. -0.00 min
 Lab File: BF081116.D
 Acq: 20 Aug 2015 9:18

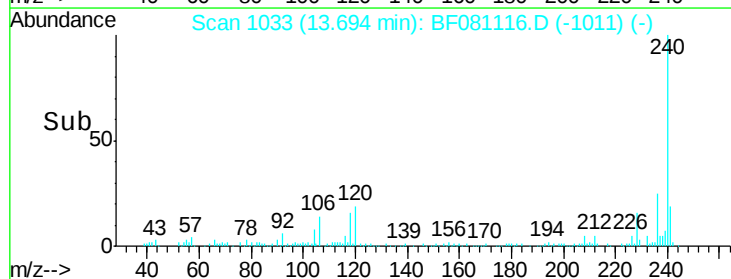
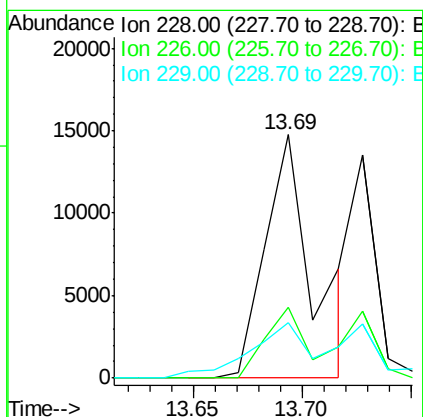
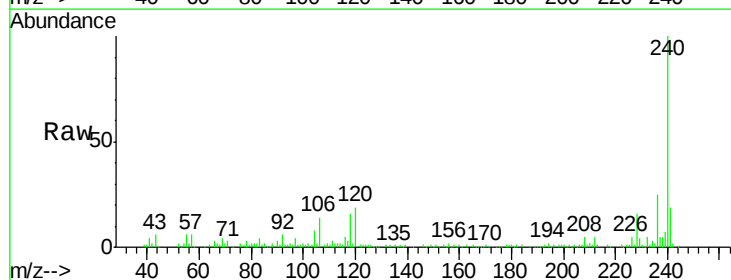
Instrument :
 BNA_F
 ClientSampleId :
 SP-1

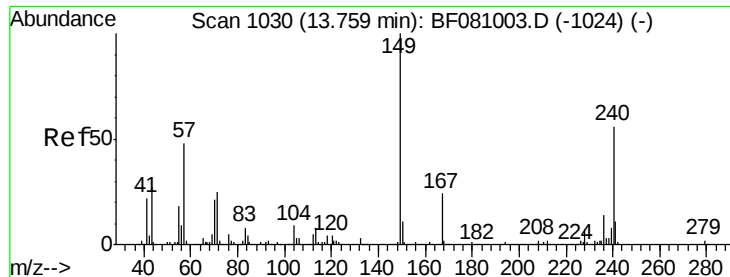
Tgt Ion: 244 Resp: 398574
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.8
 122 6.0 8.2 12.4#



#82
 Chrysene
 Concen: 2.13 ng
 RT: 13.69 min Scan# 1033
 Delta R.T. -0.05 min
 Lab File: BF081116.D
 Acq: 20 Aug 2015 9:18

Tgt Ion: 228 Resp: 22646
 Ion Ratio Lower Upper
 228 100
 226 29.3 24.4 36.6
 229 22.8 16.0 24.0





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.15 ng

RT: 13.72 min Scan# 1035

Delta R.T. -0.00 min

Lab File: BF081116.D

Acq: 20 Aug 2015 9:18

Instrument :

BNA_F

ClientSampled :

SP-1

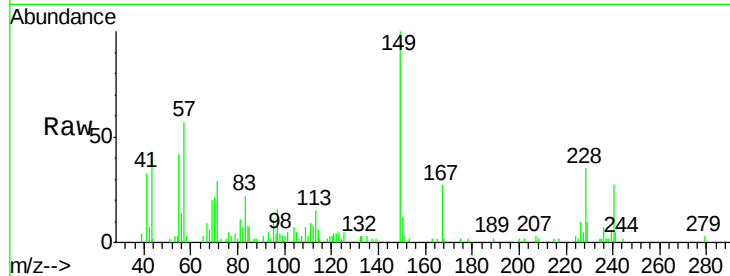
Tgt Ion:149 Resp: 16877

Ion Ratio Lower Upper

149 100

167 27.2 20.7 31.1

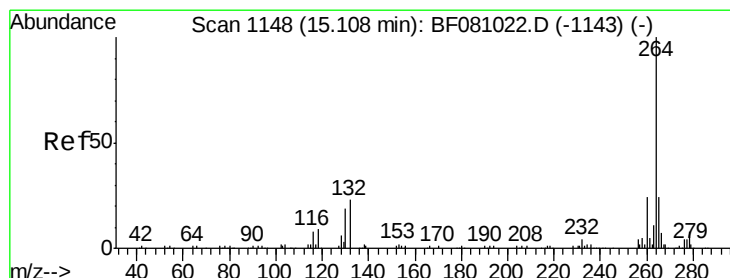
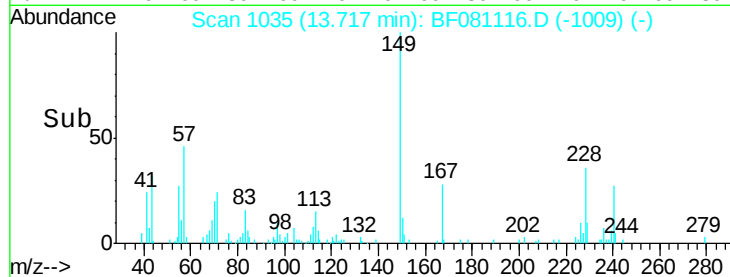
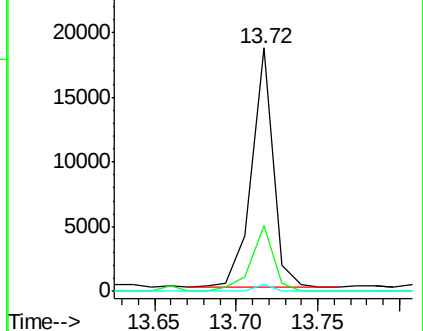
279 2.7 2.2 3.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.04 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BF081116.D

Acq: 20 Aug 2015 9:18

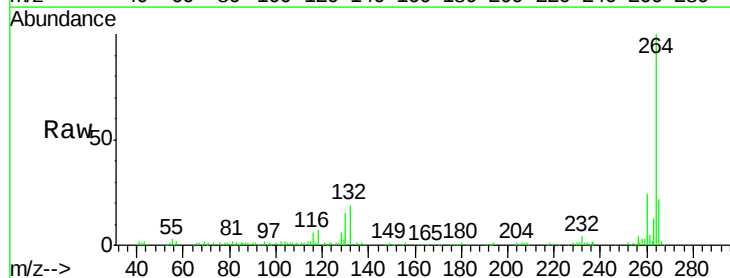
Tgt Ion:264 Resp: 126445

Ion Ratio Lower Upper

264 100

260 24.5 19.6 29.4

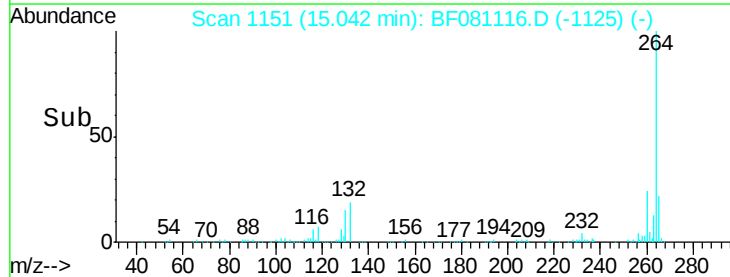
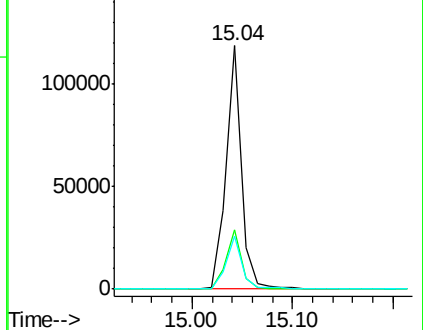
265 21.5 17.5 26.3

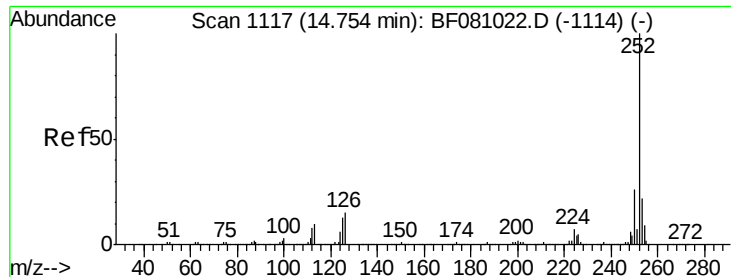


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.38 ng

RT: 14.69 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BF081116.D

Acq: 20 Aug 2015 9:18

Instrument :

BNA_F

ClientSampleId :

SP-1

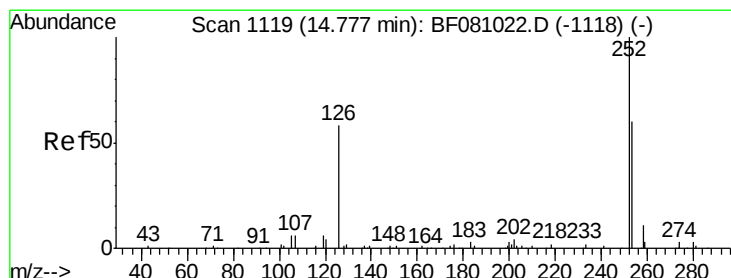
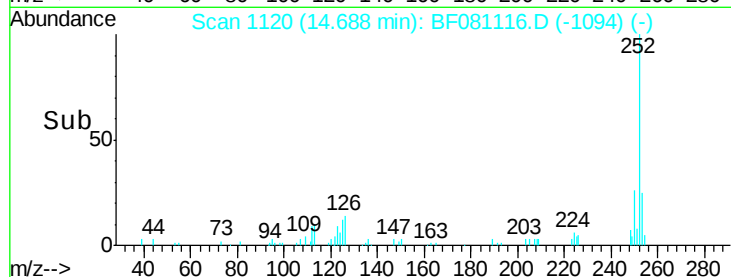
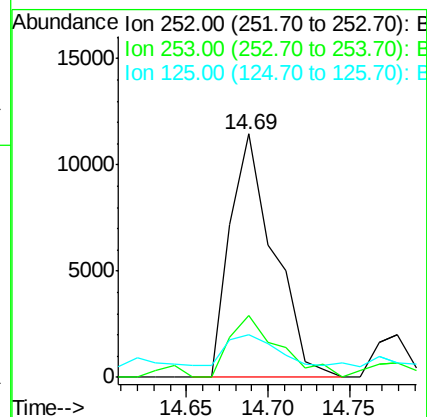
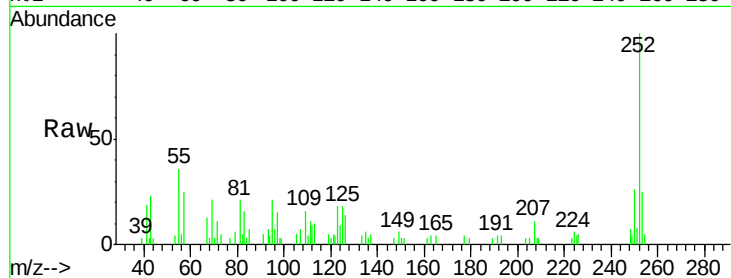
Tgt Ion:252 Resp: 21279

Ion Ratio Lower Upper

252 100

253 25.3 17.1 25.7

125 17.6 8.0 12.0#



#88

Benzo(k)fluoranthene

Concen: 2.55 ng

RT: 14.69 min Scan# 1120

Delta R.T. -0.03 min

Lab File: BF081116.D

Acq: 20 Aug 2015 9:18

Tgt Ion:252 Resp: 21279

Ion Ratio Lower Upper

252 100

253 25.3 17.6 26.4

125 17.6 10.3 15.5#

