

Data Path : Z:\HPCHEM1\BNA_F\Data\BF081915\
 Data File : BF081117.D
 Acq On : 20 Aug 2015 9:49
 Operator : UM/IZ
 Sample : G3325-03 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Quant Time: Aug 20 11:38:37 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

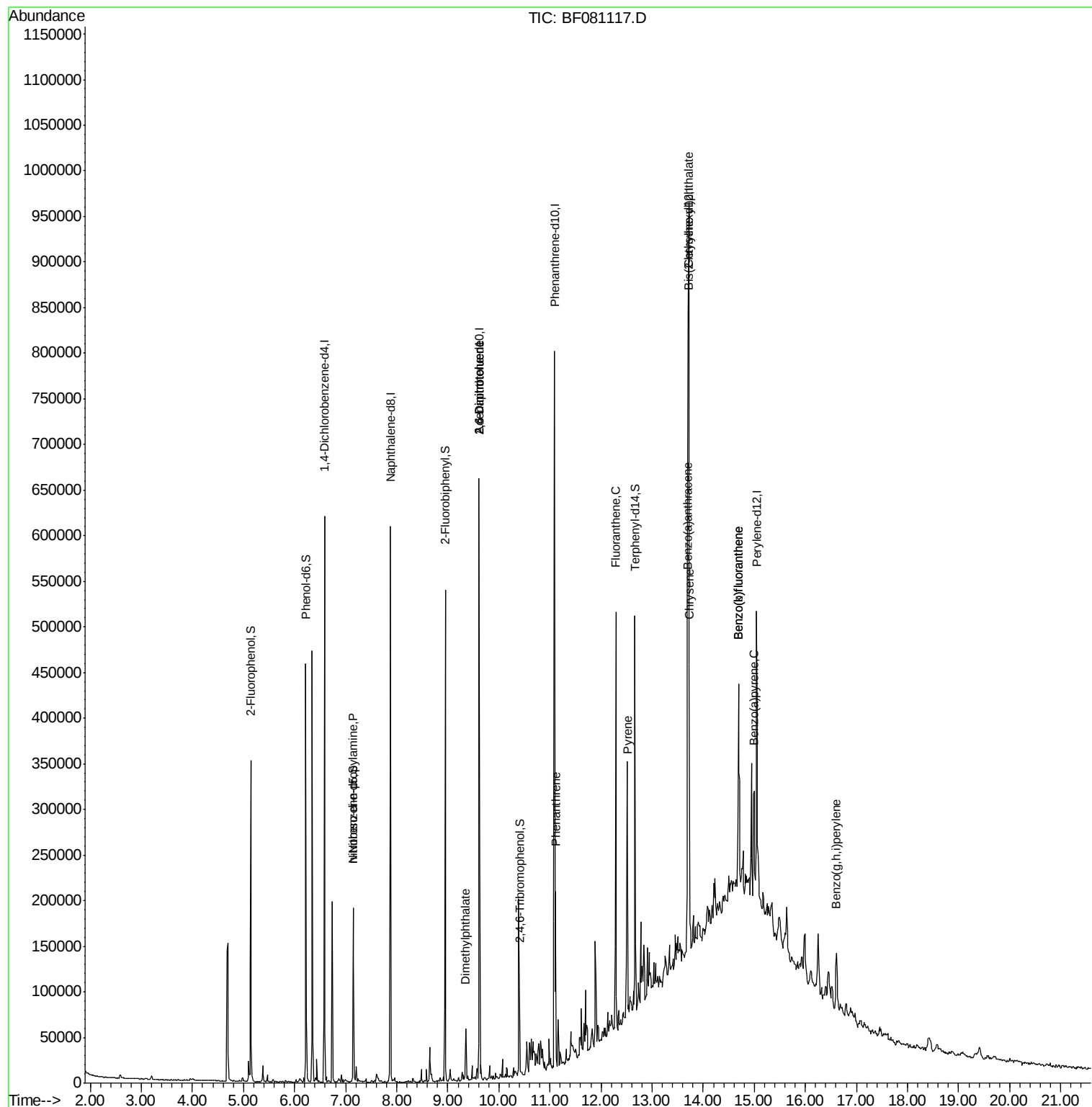
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	78428	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	308901	20.00	ng	0.00
38) Acenaphthene-d10	9.61	164	128715	20.00	ng	-0.01
63) Phenanthrene-d10	11.09	188	264974	20.00	ng	0.00
75) Chrysene-d12	13.71	240	177565	20.00	ng	0.00
86) Perylene-d12	15.04	264	148075	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	93517	17.93	ng	0.00
7) Phenol-d6	6.22	99	130973	19.25	ng	-0.01
23) Nitrobenzene-d5	7.14	82	74648	11.04	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	17945	16.08	ng	0.00
44) 2-Fluorobiphenyl	8.95	172	148148	15.08	ng	-0.01
78) Terphenyl-d14	12.66	244	108577	13.11	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.14	70	9799	2.08	ng	# 76
49) Dimethylphthalate	9.35	163	21266	2.01	ng	99
50) 2,6-Dinitrotoluene	9.61	165	16824	7.39	ng	# 23
56) 2,4-Dinitrotoluene	9.61	165	16824	5.58	ng	# 18
70) Phenanthrene	11.11	178	67512	4.30	ng	99
74) Fluoranthene	12.29	202	171784	10.14	ng	95
77) Pyrene	12.52	202	159307	11.04	ng	98
80) Benzo(a)anthracene	13.69	228	95799	8.04	ng	99
82) Chrysene	13.73	228	64812	6.04	ng	97
83) Bis(2-ethylhexyl)phthalate	13.72	149	171284	21.55	ng	# 99
87) Benzo(b)fluoranthene	14.69	252	132419	12.64	ng	# 94
88) Benzo(k)fluoranthene	14.69	252	131662	13.49	ng	98
89) Benzo(a)pyrene	15.00	252	64693	7.09	ng	94
91) Benzo(g,h,i)perylene	16.61	276	42799	5.93	ng	# 92

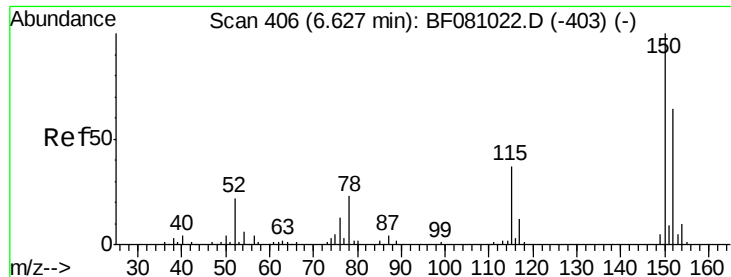
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 411

Delta R.T. -0.00 min

Lab File: BF081117.D

Acq: 20 Aug 2015 9:49

Instrument :

BNA_F

ClientSampleId :

SP-2

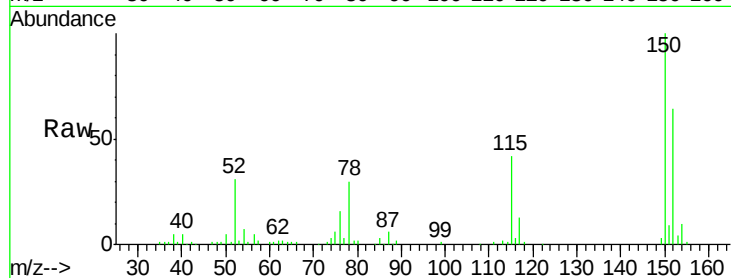
Tgt Ion:152 Resp: 78428

Ion Ratio Lower Upper

152 100

150 157.1 123.8 185.6

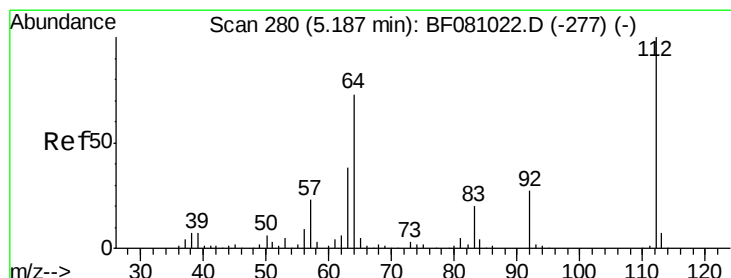
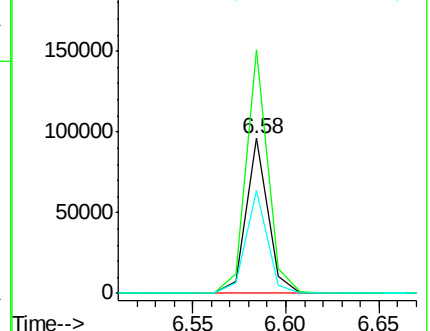
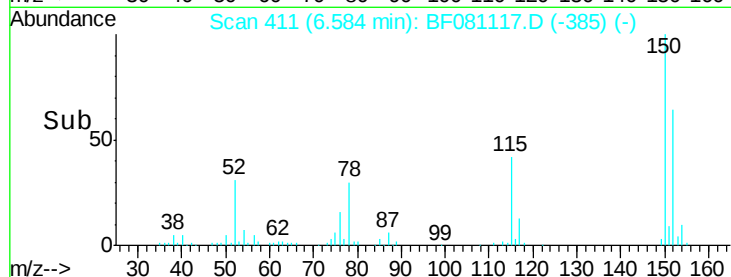
115 66.7 52.1 78.1



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: 17.93 ng

RT: 5.14 min Scan# 285

Delta R.T. -0.00 min

Lab File: BF081117.D

Acq: 20 Aug 2015 9:49

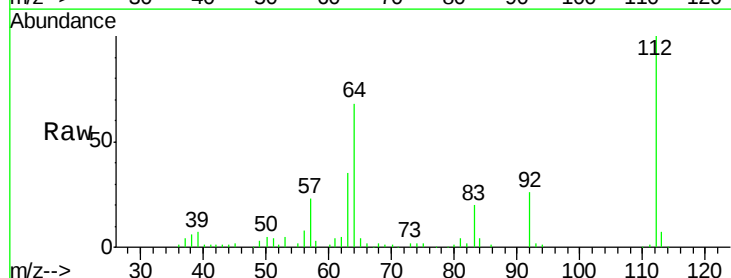
Tgt Ion:112 Resp: 93517

Ion Ratio Lower Upper

112 100

64 68.4 66.9 100.3

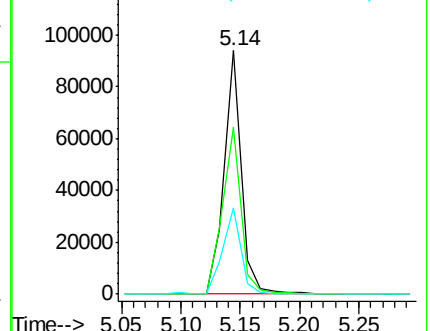
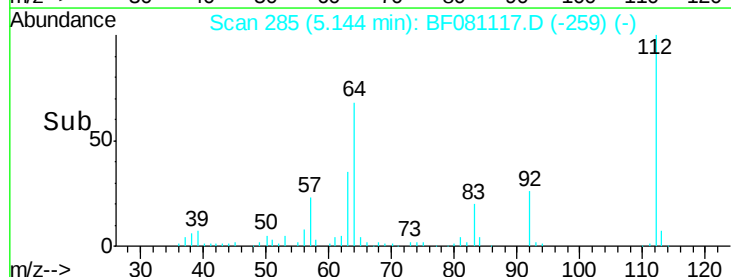
63 35.4 38.1 57.1#



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: 19.25 ng

RT: 6.22 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF081117.D

Acq: 20 Aug 2015 9:49

Instrument :

BNA_F

ClientSampled :

SP-2

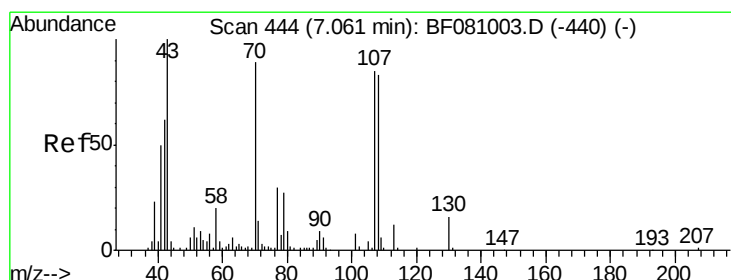
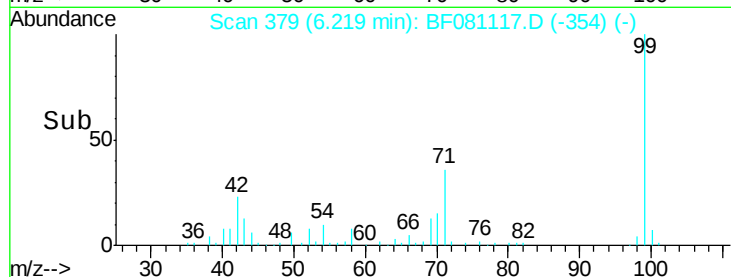
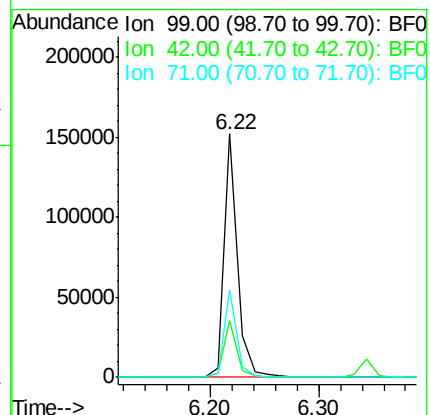
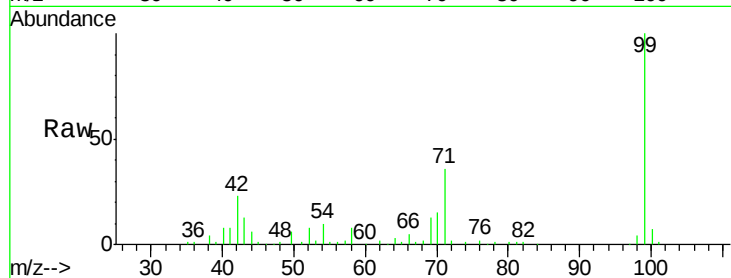
Tgt Ion: 99 Resp: 130973

Ion Ratio Lower Upper

99 100

42 23.4 19.6 29.4

71 36.1 31.2 46.8



#19

n-Nitroso-di-n-propylamine

Concen: 2.08 ng

RT: 7.14 min Scan# 460

Delta R.T. 0.13 min

Lab File: BF081117.D

Acq: 20 Aug 2015 9:49

Tgt Ion: 70 Resp: 9799

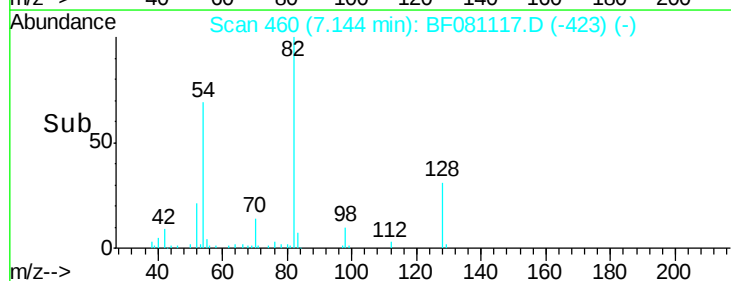
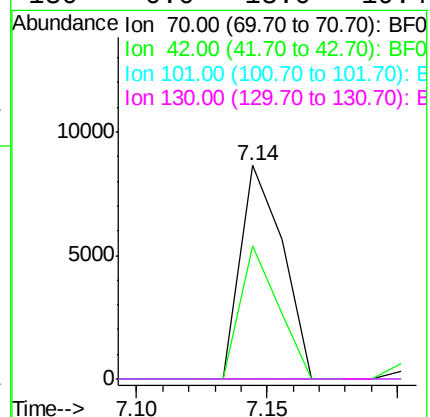
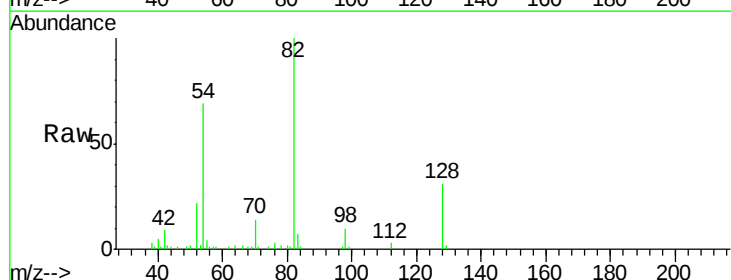
Ion Ratio Lower Upper

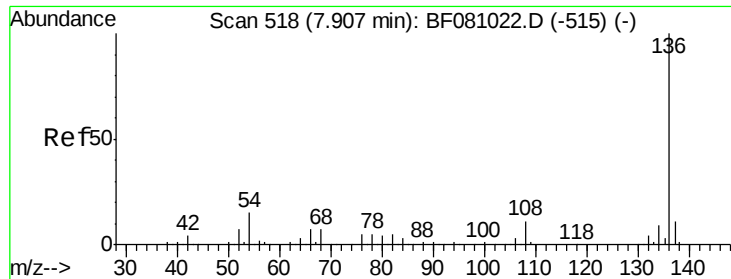
70 100

42 62.5 65.0 97.4#

101 0.0 7.4 11.2#

130 0.0 13.0 19.4#

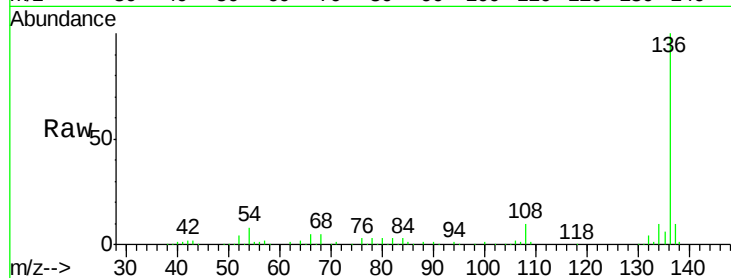




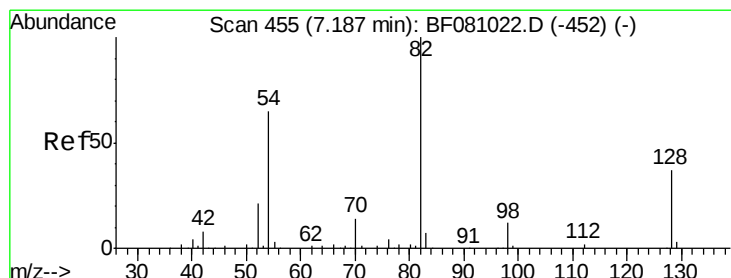
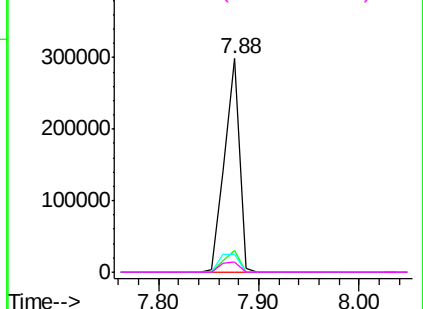
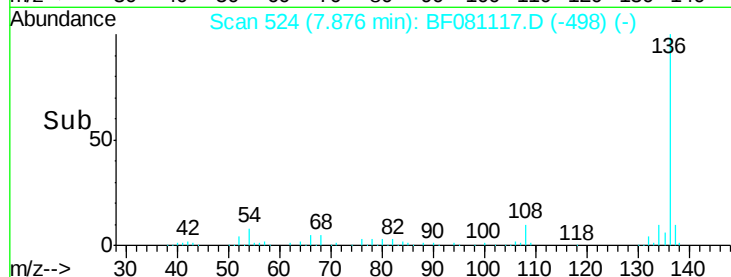
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 524
Delta R.T. -0.00 min
Lab File: BF081117.D
Acq: 20 Aug 2015 9:49

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:	136	Resp:	308901
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.2	12.2
54	8.4	7.7	11.5
68	4.8	3.4	5.2

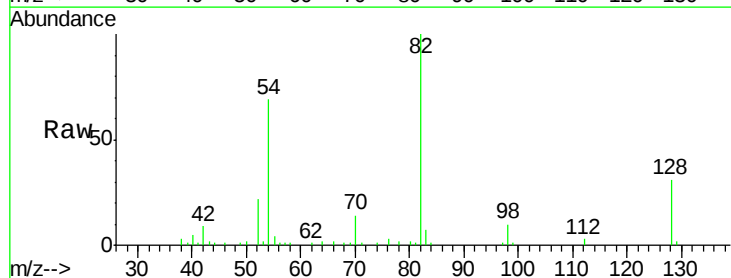


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

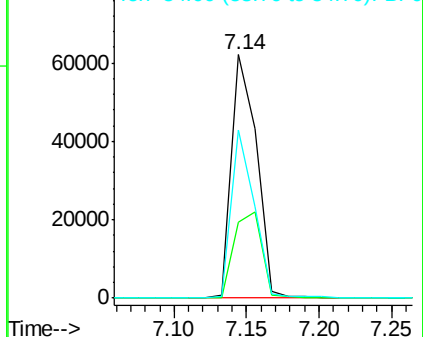
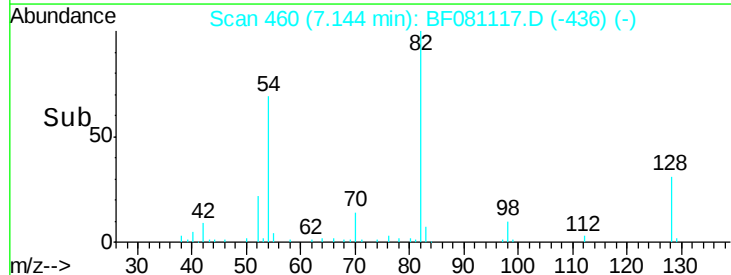


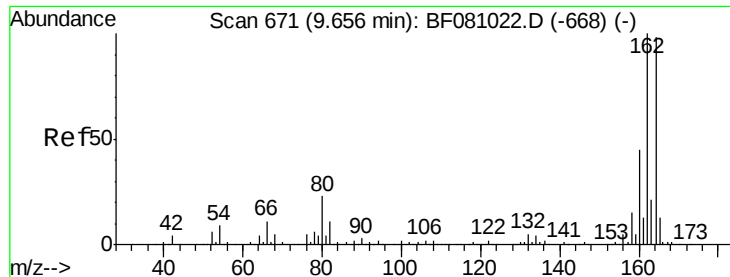
#23
Nitrobenzene-d5
Concen: 11.04 ng
RT: 7.14 min Scan# 460
Delta R.T. -0.02 min
Lab File: BF081117.D
Acq: 20 Aug 2015 9:49

Tgt Ion:	82	Resp:	74648
Ion	Ratio	Lower	Upper
82	100		
128	31.0	28.6	42.8
54	69.2	55.1	82.7



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

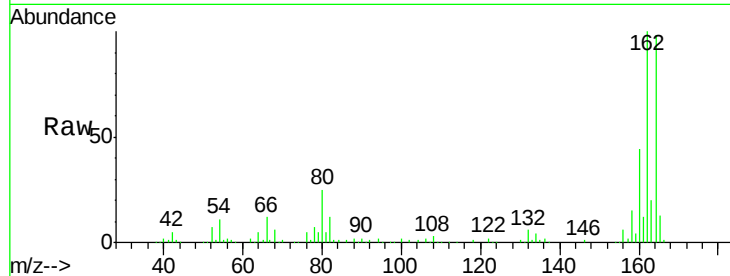




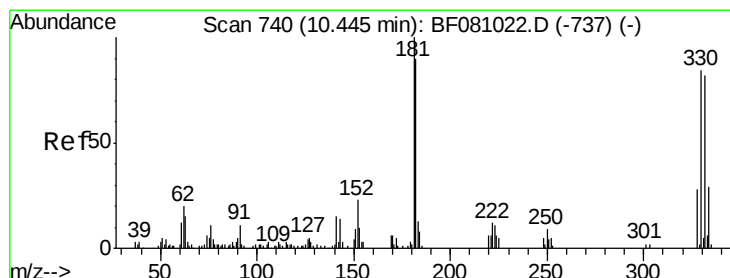
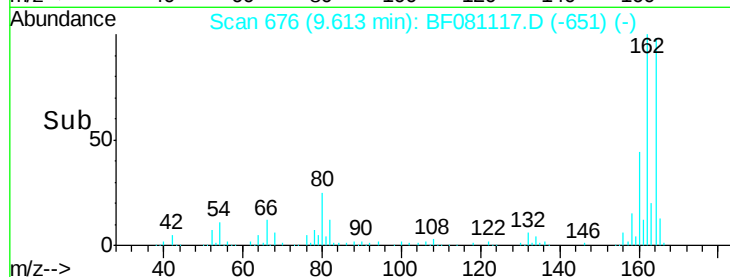
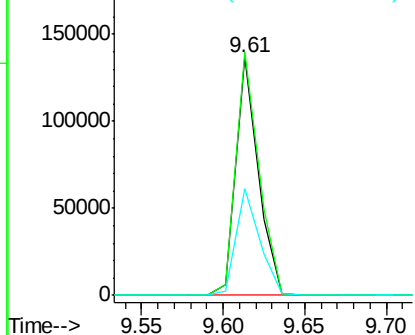
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.61 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF081117.D
Acq: 20 Aug 2015 9:49

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:164 Resp: 128715
Ion Ratio Lower Upper
164 100
162 102.3 83.8 125.8
160 44.9 39.8 59.8

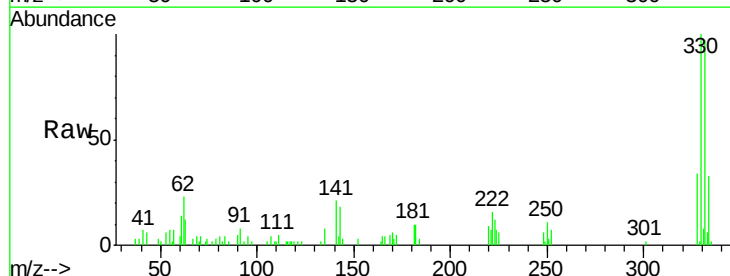


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

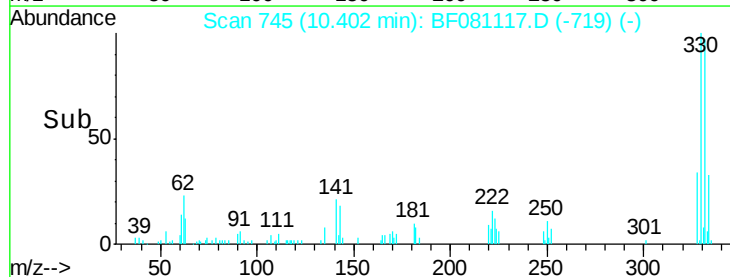
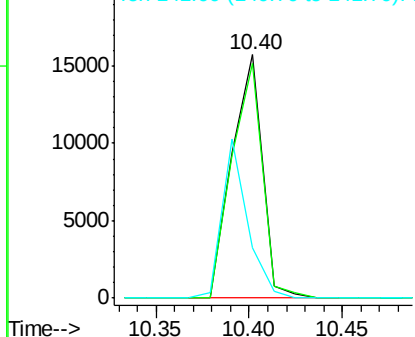


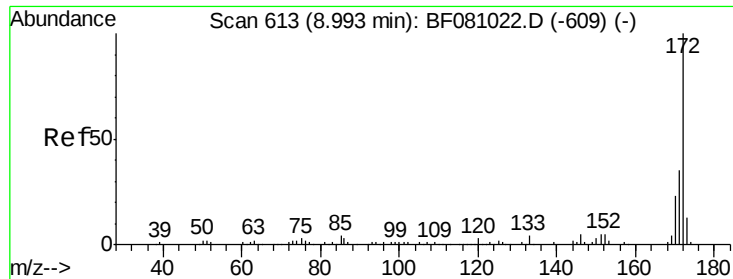
#41
2,4,6-Tribromophenol
Concen: 16.08 ng
RT: 10.40 min Scan# 745
Delta R.T. -0.00 min
Lab File: BF081117.D
Acq: 20 Aug 2015 9:49

Tgt Ion:330 Resp: 17945
Ion Ratio Lower Upper
330 100
332 97.4 77.3 115.9
141 54.9 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

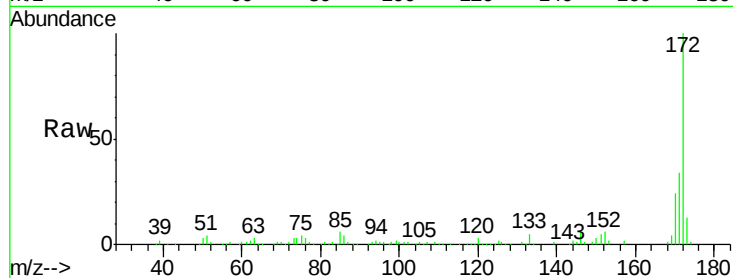




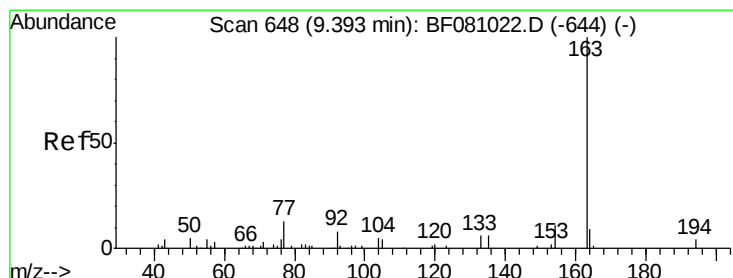
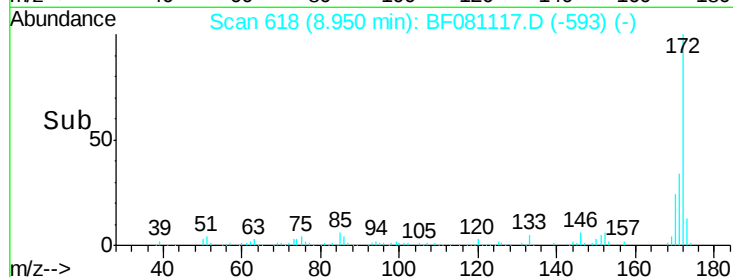
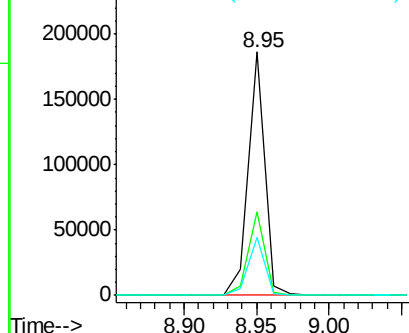
#44
 2-Fluorobiphenyl
 Concen: 15.08 ng
 RT: 8.95 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF081117.D
 Acq: 20 Aug 2015 9:49

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tgt Ion:172 Resp: 148148
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.9 43.3
 170 23.6 19.4 29.2

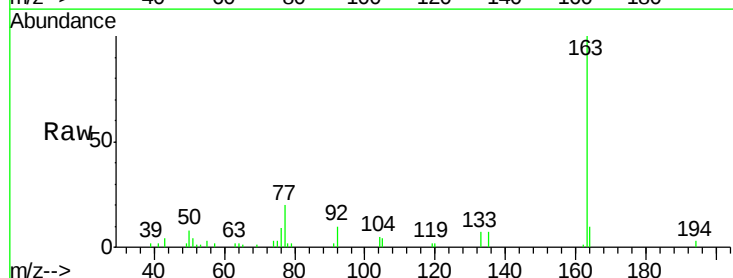


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

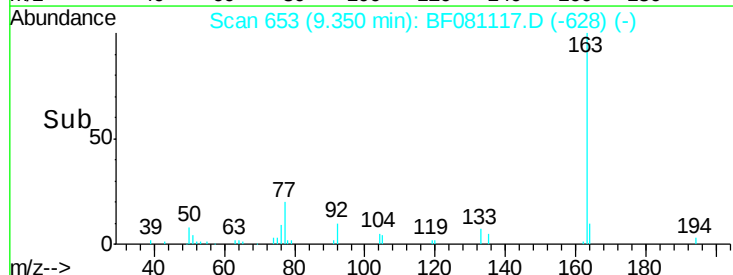
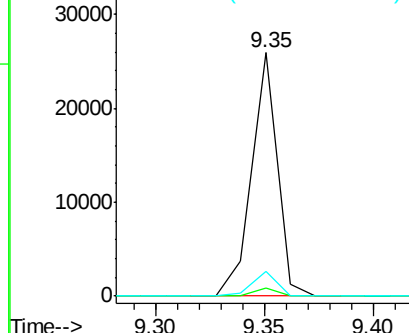


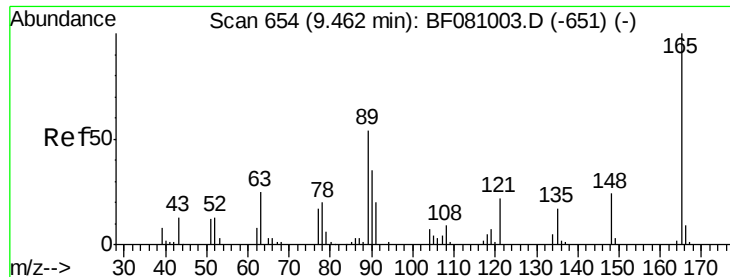
#49
 Dimethylphthalate
 Concen: 2.01 ng
 RT: 9.35 min Scan# 653
 Delta R.T. -0.01 min
 Lab File: BF081117.D
 Acq: 20 Aug 2015 9:49

Tgt Ion:163 Resp: 21266
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.5 3.7
 164 10.4 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

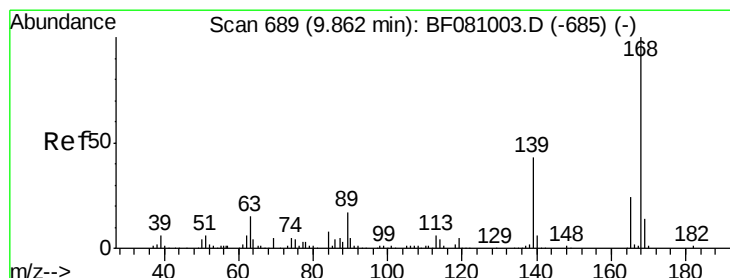
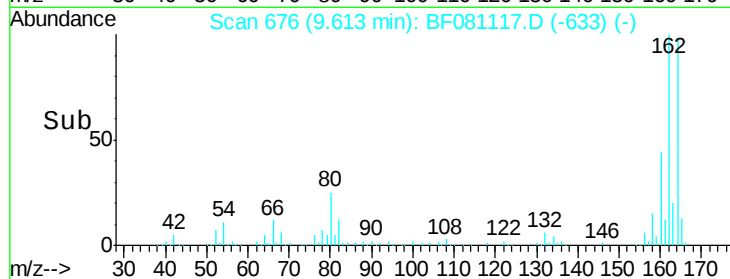
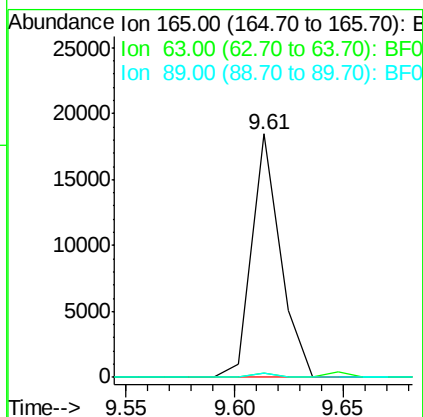
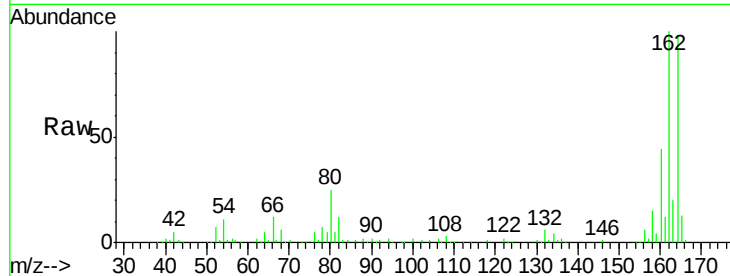




#50
 2,6-Dinitrotoluene
 Concen: 7.39 ng
 RT: 9.61 min Scan# 676
 Delta R.T. 0.19 min
 Lab File: BF081117.D
 Acq: 20 Aug 2015 9:49

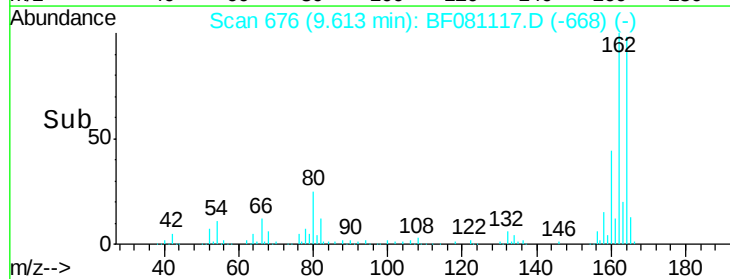
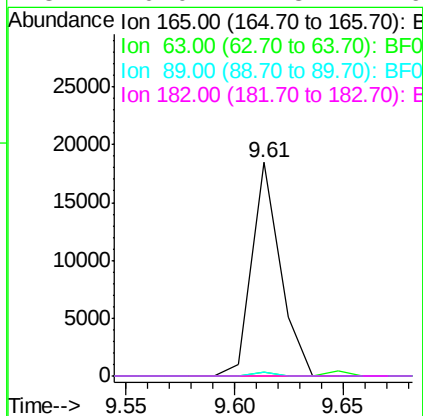
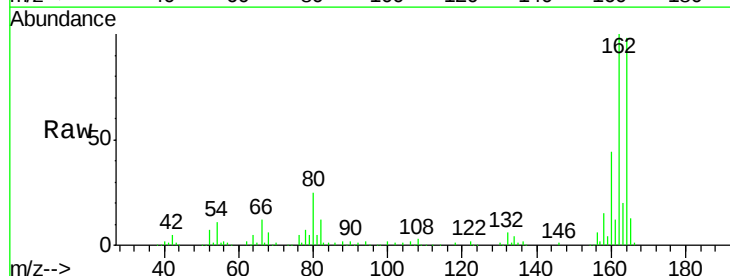
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 BNA_F
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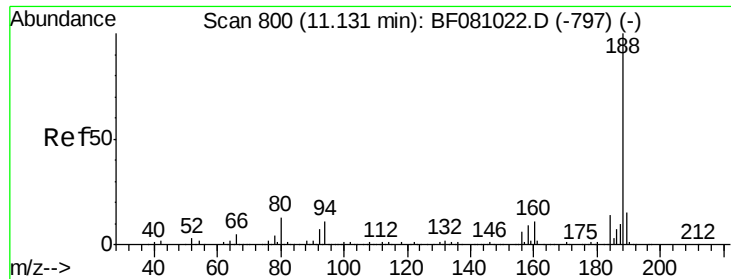
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	49.5	74.3#
89	2.0	47.6	71.4#



#56
 2,4-Dinitrotoluene
 Concen: 5.58 ng
 RT: 9.61 min Scan# 676
 Delta R.T. -0.21 min
 Lab File: BF081117.D
 Acq: 20 Aug 2015 9:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	52.2	78.4#
89	2.0	60.1	90.1#
182	0.0	1.8	2.6#

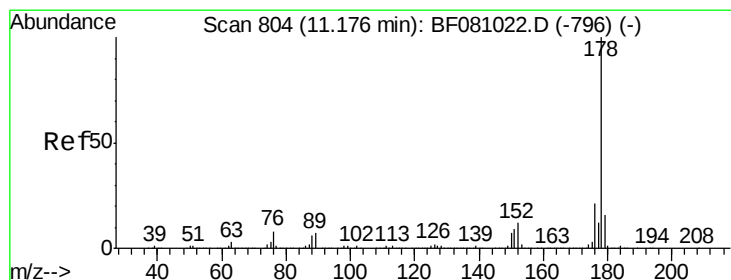
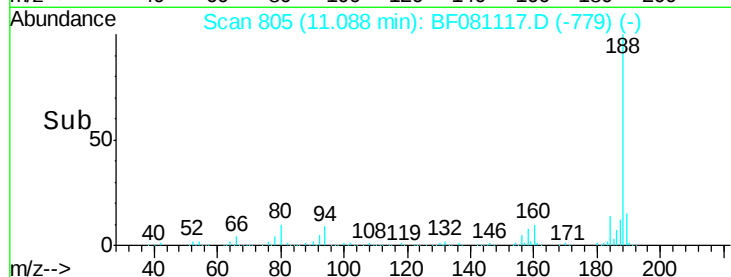
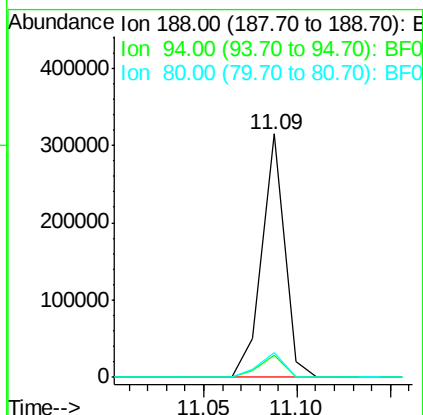
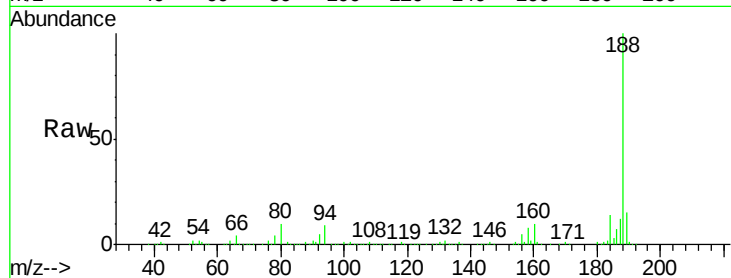




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.09 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: BF081117.D
 Acq: 20 Aug 2015 9:49

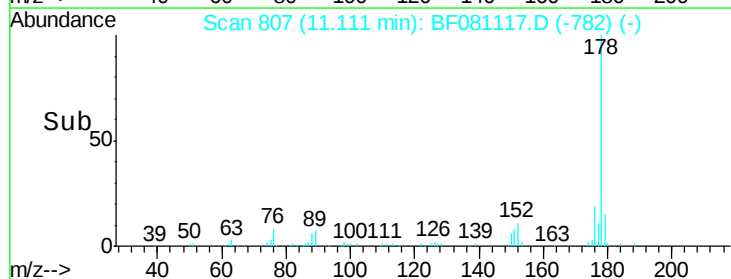
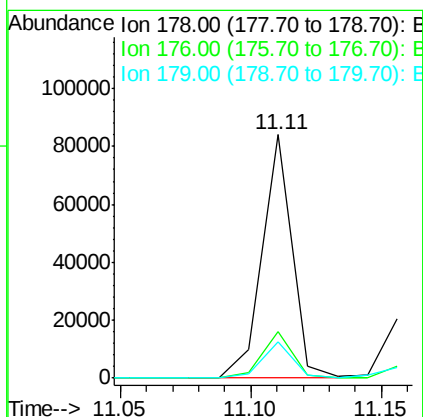
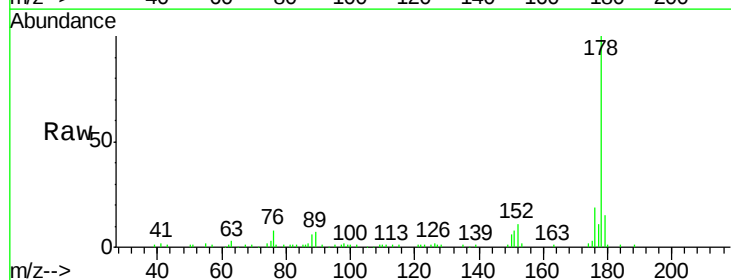
Instrument :
 BNA_F
 ClientSampleId :
 SP-2

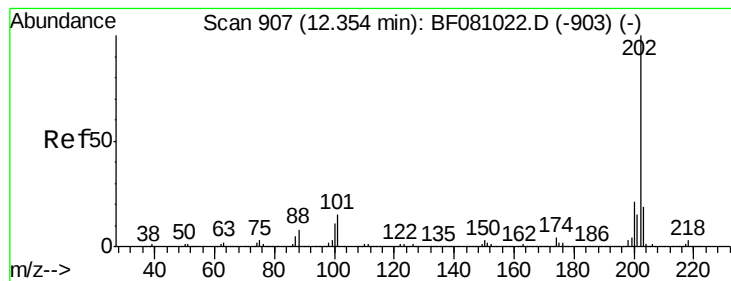
Tgt Ion:188 Resp: 264974
 Ion Ratio Lower Upper
 188 100
 94 9.2 8.2 12.2
 80 10.0 9.5 14.3



#70
 Phenanthrene
 Concen: 4.30 ng
 RT: 11.11 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF081117.D
 Acq: 20 Aug 2015 9:49

Tgt Ion:178 Resp: 67512
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.7 23.5
 179 14.8 12.2 18.2





#74

Fluoranthene

Concen: 10.14 ng

RT: 12.29 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF081117.D

Acq: 20 Aug 2015 9:49

Instrument :

BNA_F

ClientSampleId :

SP-2

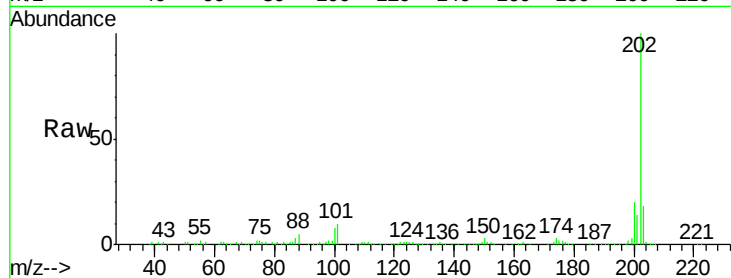
Tgt Ion:202 Resp: 171784

Ion Ratio Lower Upper

202 100

101 10.3 0.0 24.8

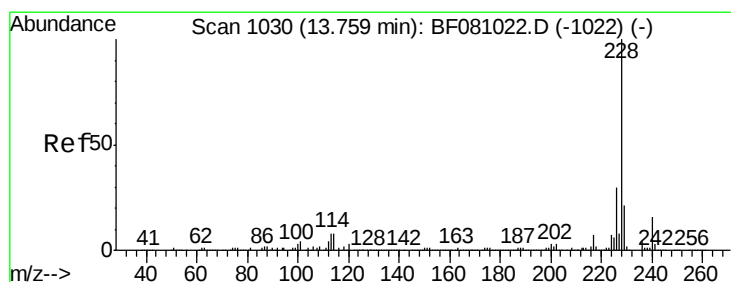
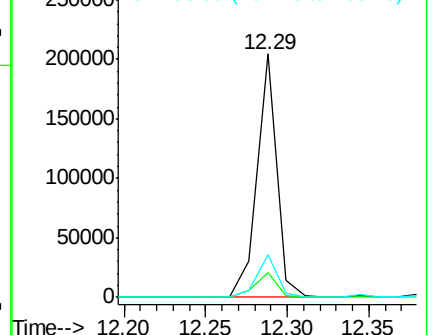
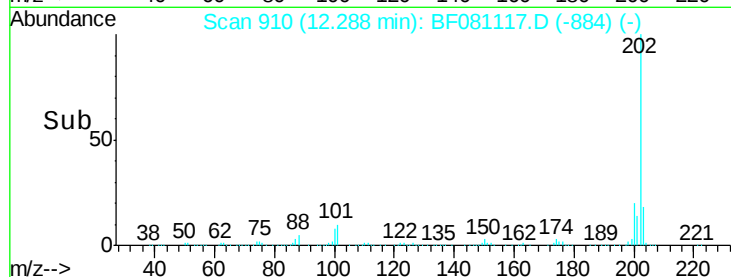
203 17.7 0.0 36.9



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: BF081117.D

Acq: 20 Aug 2015 9:49

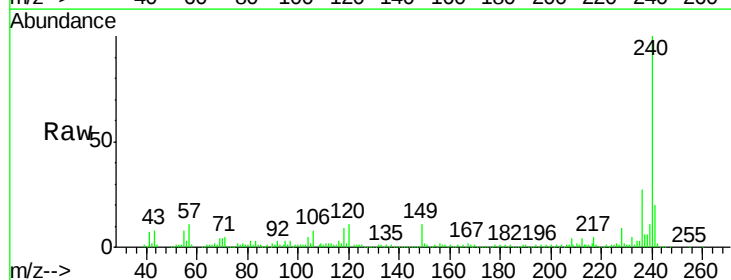
Tgt Ion:240 Resp: 177565

Ion Ratio Lower Upper

240 100

120 10.7 5.6 8.4#

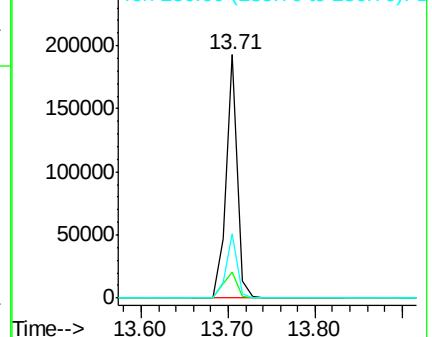
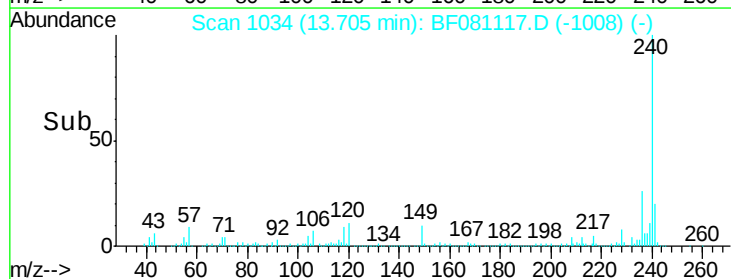
236 26.7 20.6 30.8

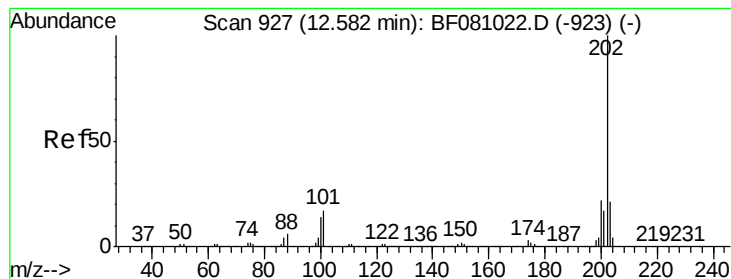


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 11.04 ng

RT: 12.52 min Scan# 930

Delta R.T. -0.00 min

Lab File: BF081117.D

Acq: 20 Aug 2015 9:49

Instrument :

BNA_F

ClientSampleId :

SP-2

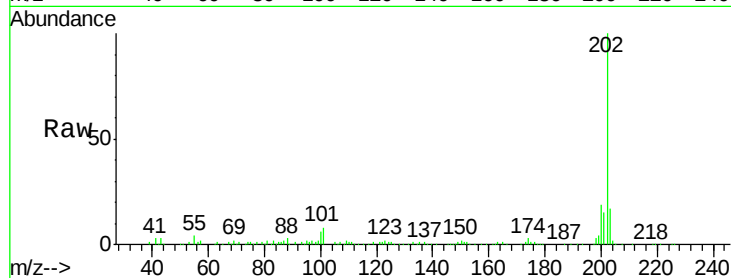
Tgt Ion:202 Resp: 159307

Ion Ratio Lower Upper

202 100

200 19.4 16.6 24.8

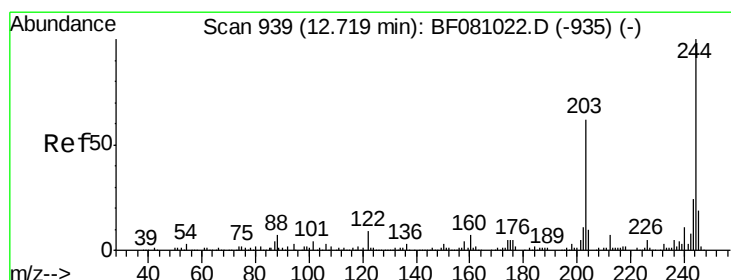
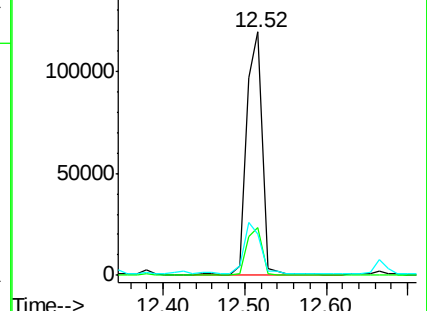
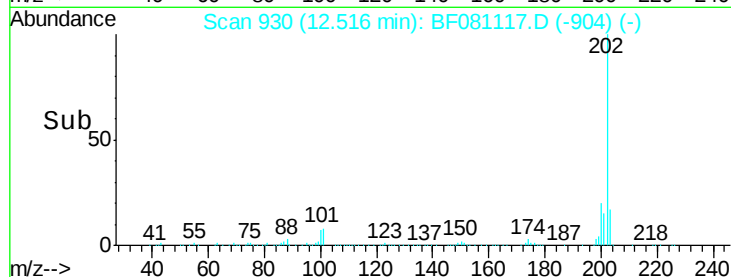
203 17.2 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 13.11 ng

RT: 12.66 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF081117.D

Acq: 20 Aug 2015 9:49

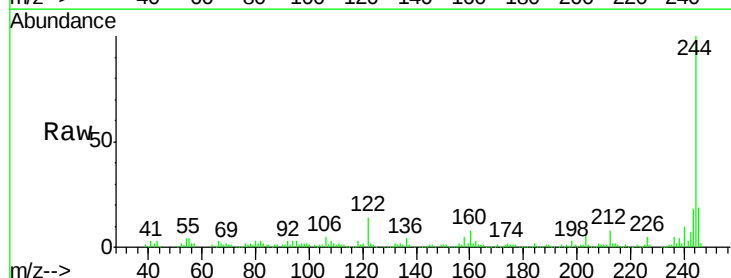
Tgt Ion:244 Resp: 108577

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

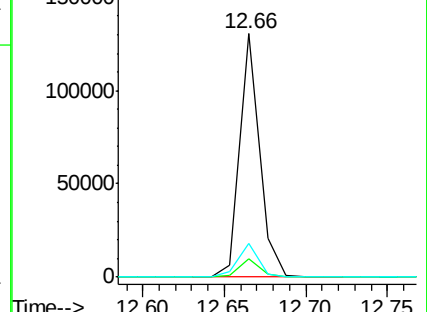
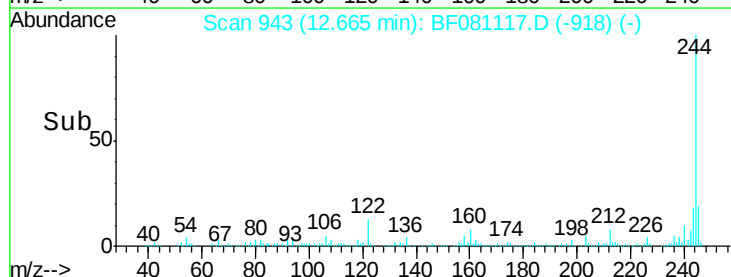
122 13.8 8.2 12.4#

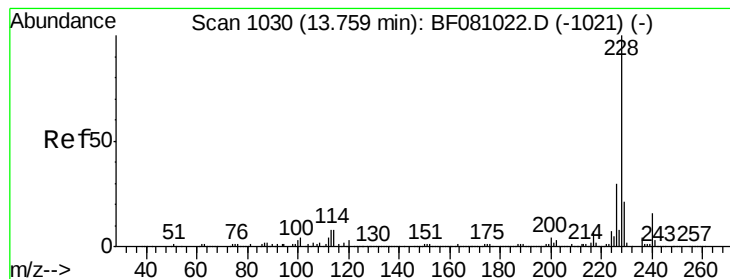


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.04 ng

RT: 13.69 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF081117.D

Acq: 20 Aug 2015 9:49

Instrument :

BNA_F

ClientSampleId :

SP-2

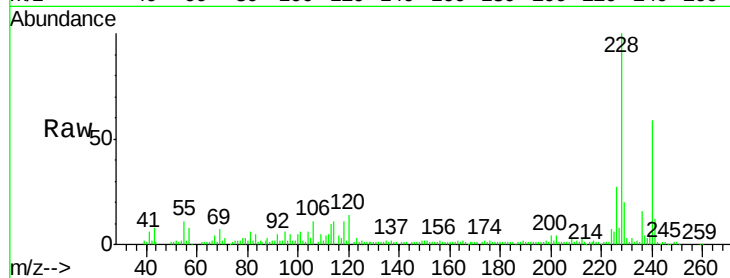
Tgt Ion:228 Resp: 95799

Ion Ratio Lower Upper

228 100

226 27.4 22.3 33.5

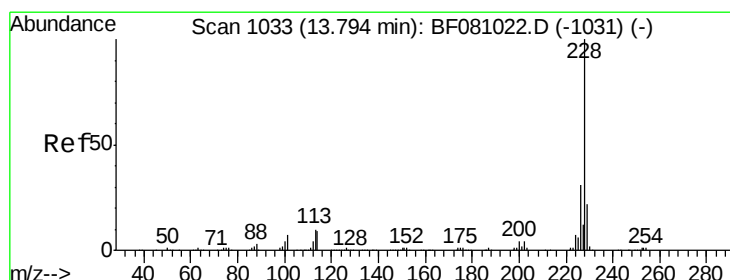
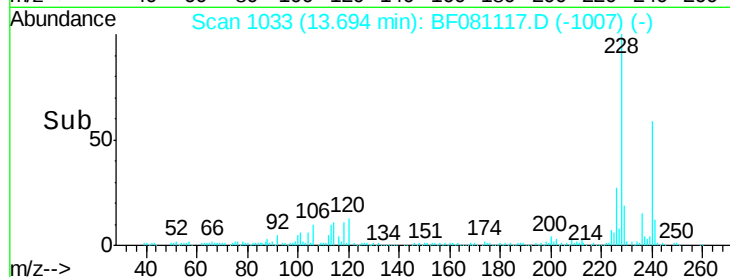
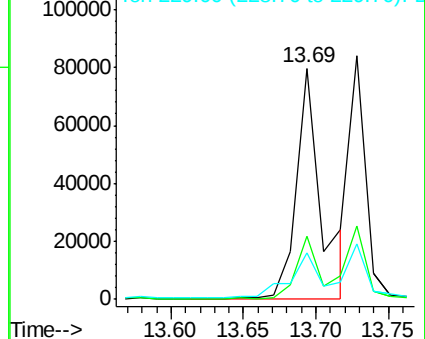
229 20.1 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 6.04 ng

RT: 13.73 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF081117.D

Acq: 20 Aug 2015 9:49

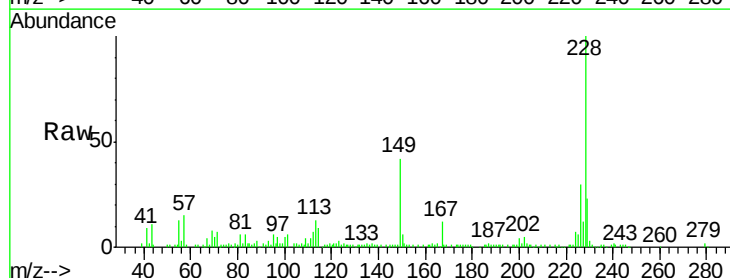
Tgt Ion:228 Resp: 64812

Ion Ratio Lower Upper

228 100

226 30.2 24.4 36.6

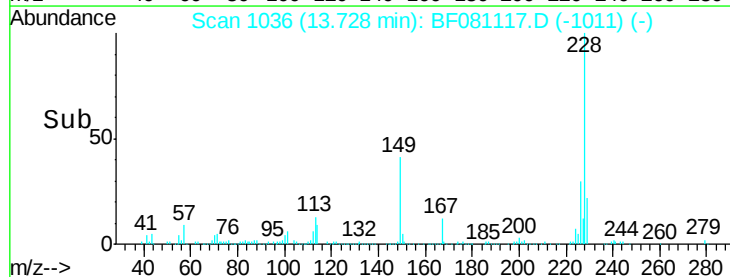
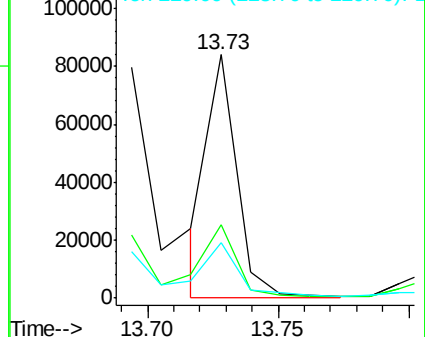
229 22.8 16.0 24.0

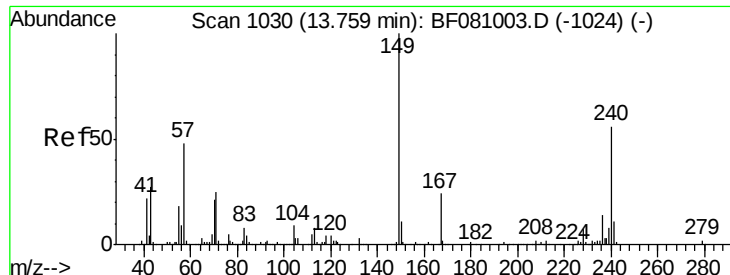


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 21.55 ng

RT: 13.72 min Scan# 1035

Delta R.T. -0.00 min

Lab File: BF081117.D

Acq: 20 Aug 2015 9:49

Instrument :

BNA_F

ClientSampleId :

SP-2

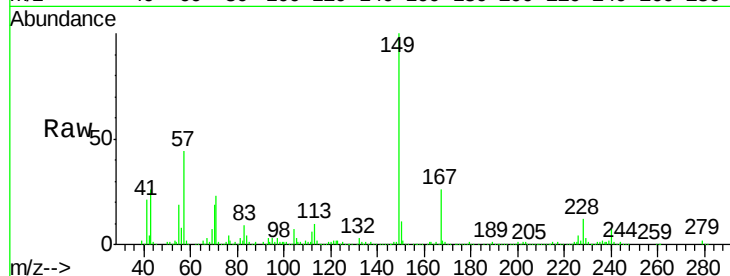
Tgt Ion:149 Resp: 171284

Ion Ratio Lower Upper

149 100

167 25.6 20.7 31.1

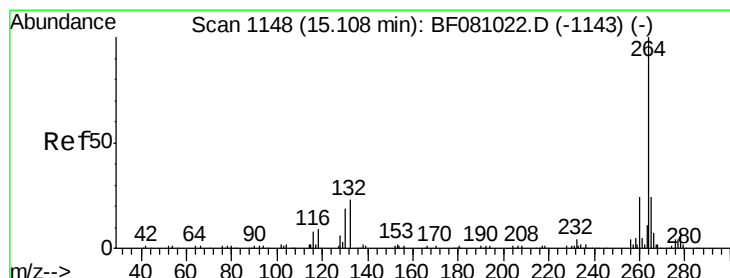
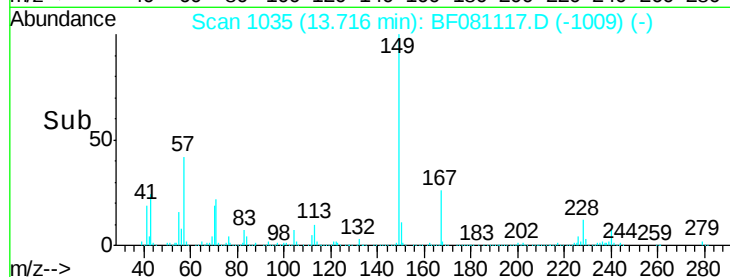
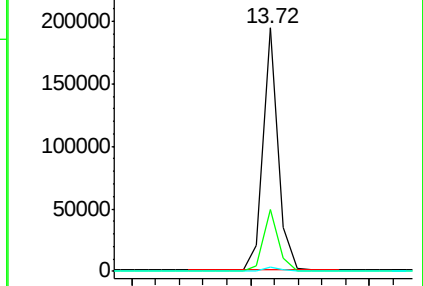
279 2.0 2.2 3.4#



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: BF081117.D

Acq: 20 Aug 2015 9:49

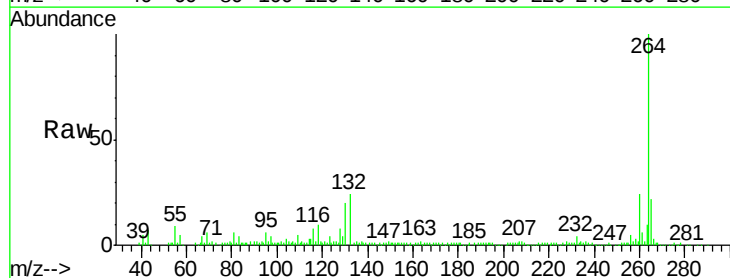
Tgt Ion:264 Resp: 148075

Ion Ratio Lower Upper

264 100

260 23.7 19.6 29.4

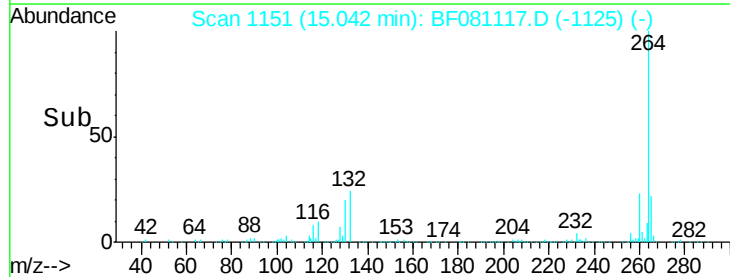
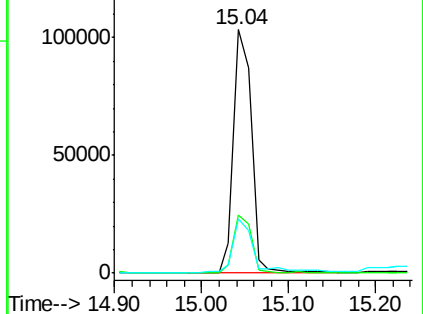
265 22.4 17.5 26.3

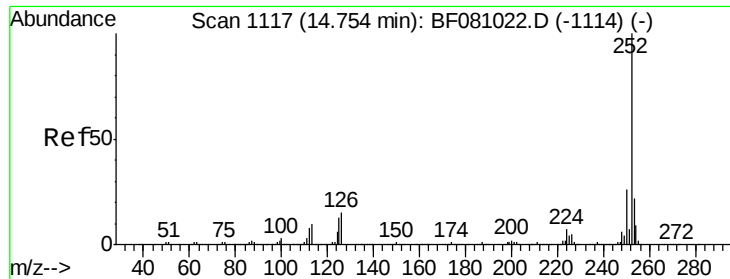


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

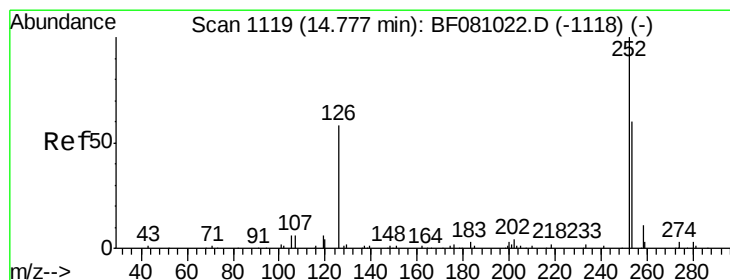
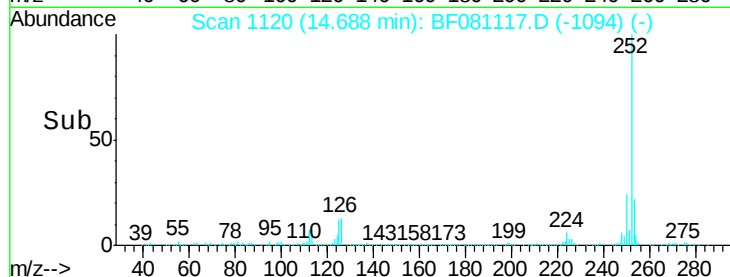
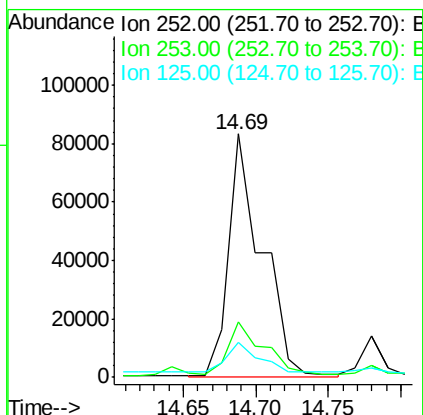
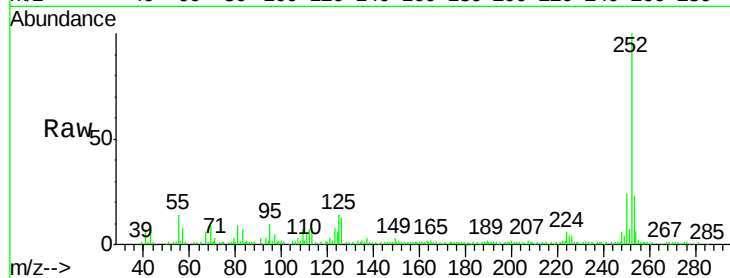




#87
Benzo(b)fluoranthene
Concen: 12.64 ng
RT: 14.69 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BF081117.D
Acq: 20 Aug 2015 9:49

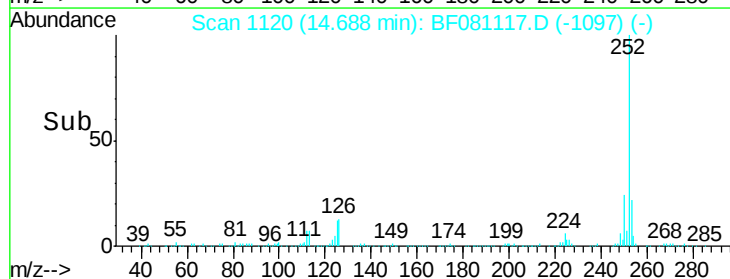
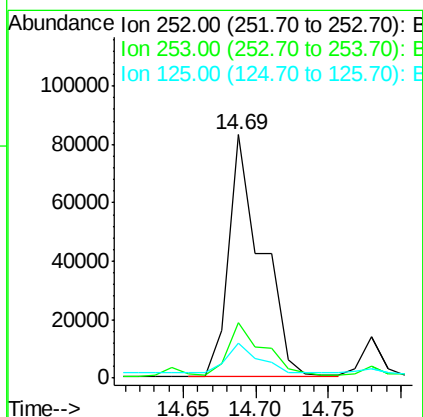
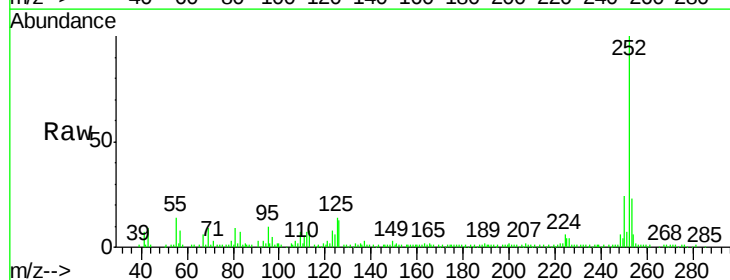
Instrument :
BNA_F
ClientSampleId :
SP-2

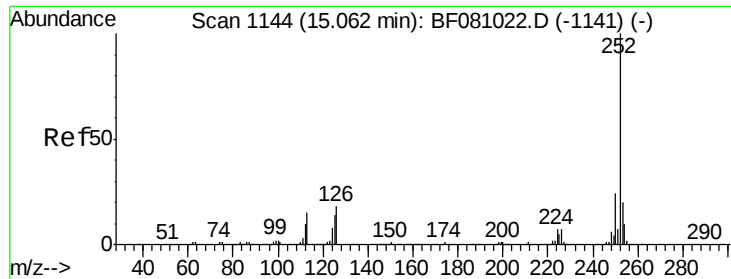
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	14.2	8.0	12.0



#88
Benzo(k)fluoranthene
Concen: 13.49 ng
RT: 14.69 min Scan# 1120
Delta R.T. -0.03 min
Lab File: BF081117.D
Acq: 20 Aug 2015 9:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	14.2	10.3	15.5





#89

Benzo(a)pyrene

Concen: 7.09 ng

RT: 15.00 min Scan# 1147

Delta R.T. -0.00 min

Lab File: BF081117.D

Acq: 20 Aug 2015 9:49

Instrument :

BNA_F

ClientSampleId :

SP-2

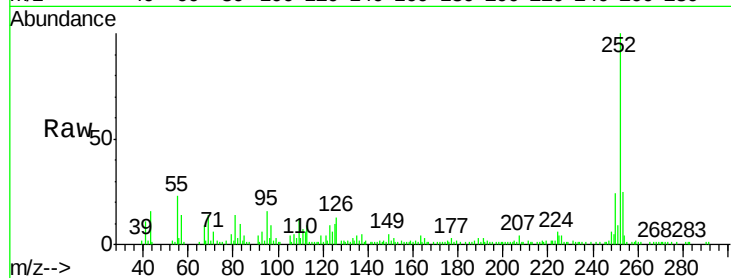
Tgt Ion:252 Resp: 64693

Ion Ratio Lower Upper

252 100

253 24.8 16.6 25.0

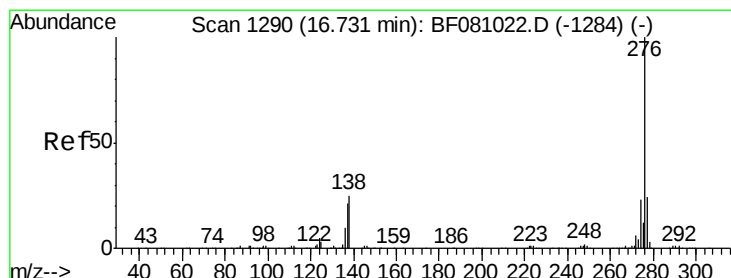
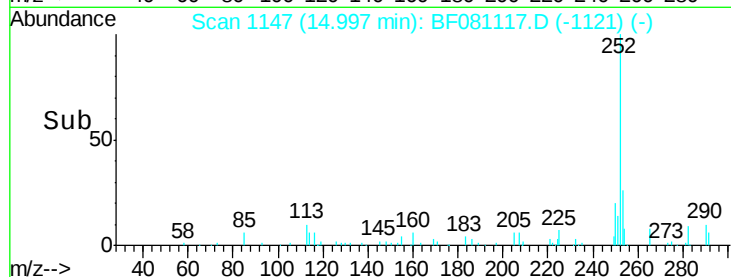
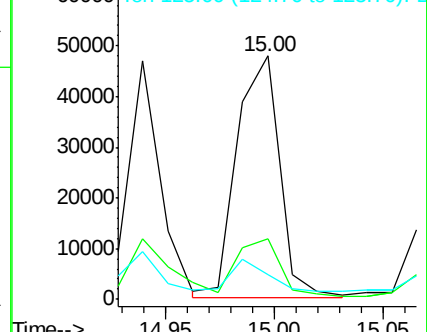
125 10.1 7.8 11.8



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



#91

Benzo(g,h,i)perylene

Concen: 5.93 ng

RT: 16.61 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BF081117.D

Acq: 20 Aug 2015 9:49

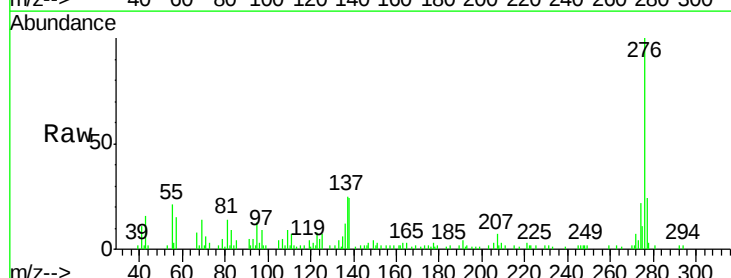
Tgt Ion:276 Resp: 42799

Ion Ratio Lower Upper

276 100

277 24.2 18.2 27.2

138 23.9 13.7 20.5#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

