

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082515\
 Data File : BF081210.D
 Acq On : 25 Aug 2015 21:08
 Operator : UM/IZ
 Sample : G3407-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P003-BF001-01

Quant Time: Aug 26 01:13:10 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 24 13:58:19 2015
 Response via : Initial Calibration

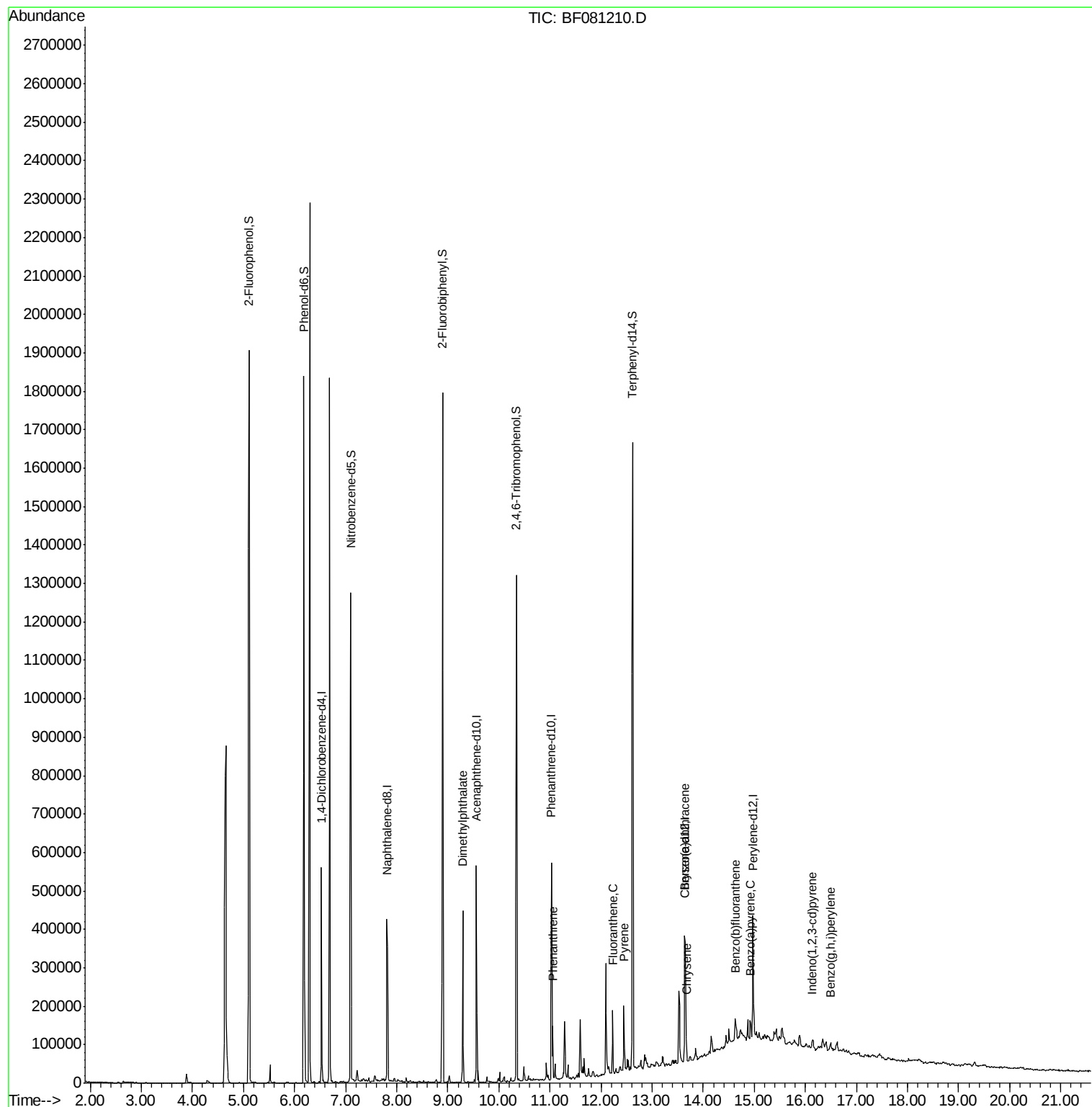
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.53	152	69807	20.00	ng	-0.01
21) Naphthalene-d8	7.81	136	253719	20.00	ng	-0.02
38) Acenaphthene-d10	9.56	164	108529	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	213080	20.00	ng	-0.01
75) Chrysene-d12	13.65	240	134914	20.00	ng	-0.01
86) Perylene-d12	14.97	264	117825	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.11	112	625067	134.68	ng	0.01
7) Phenol-d6	6.18	99	678328	112.02	ng	-0.01
23) Nitrobenzene-d5	7.10	82	437982	78.86	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	109670	116.57	ng	-0.01
44) 2-Fluorobiphenyl	8.89	172	727365	87.81	ng	-0.01
78) Terphenyl-d14	12.62	244	599326	95.23	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.29	163	162126	18.14	ng	100
70) Phenanthrene	11.05	178	54077	4.28	ng	98
74) Fluoranthene	12.23	202	76788	5.64	ng	97
77) Pyrene	12.45	202	66088	6.03	ng	97
80) Benzo(a)anthracene	13.64	228	26735	2.95	ng	97
82) Chrysene	13.67	228	23813m	2.92	ng	
85) Indeno(1,2,3-cd)pyrene	16.14	276	13822	2.41	ng	# 81
87) Benzo(b)fluoranthene	14.63	252	31859m	3.82	ng	
89) Benzo(a)pyrene	14.92	252	22566	3.11	ng	# 84
91) Benzo(g,h,i)perylene	16.49	276	13236	2.31	ng	# 87

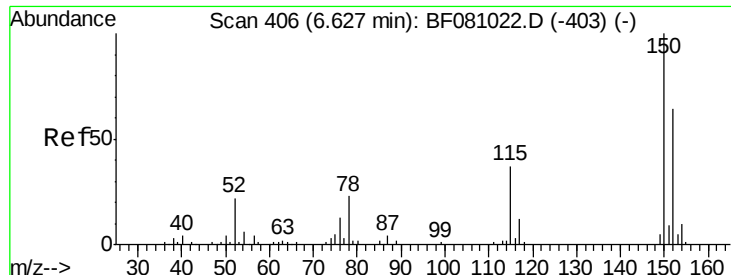
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.53 min Scan# 406

Delta R.T. -0.01 min

Lab File: BF081210.D

Acq: 25 Aug 2015 21:08

Instrument :

BNA_F

ClientSampleId :

P003-BF001-01

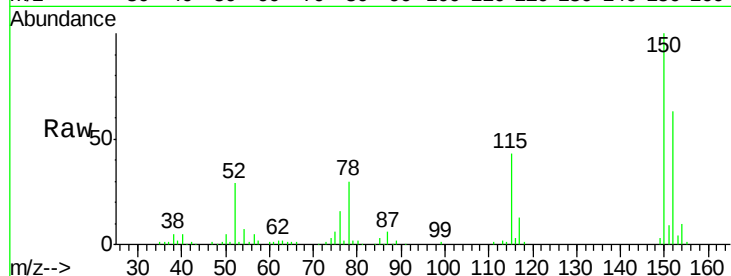
Tgt Ion:152 Resp: 69807

Ion Ratio Lower Upper

152 100

150 157.8 123.8 185.6

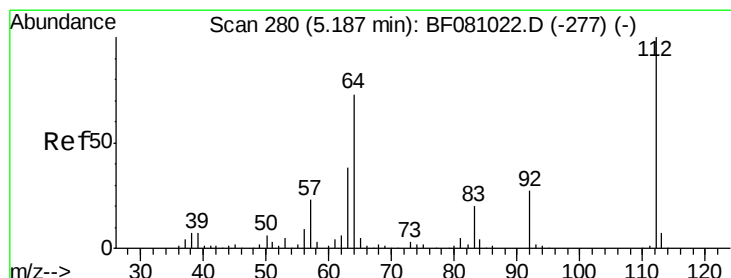
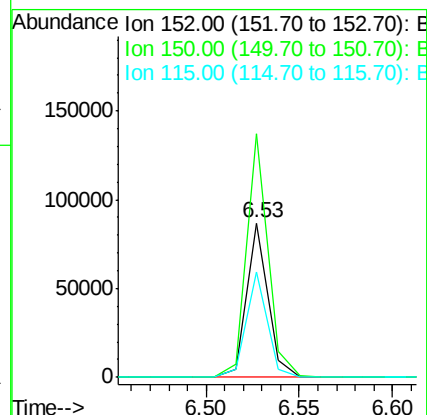
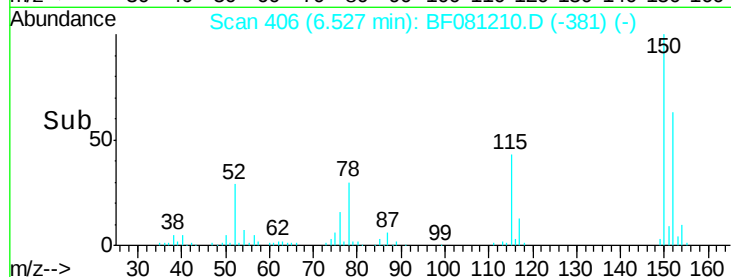
115 68.0 52.1 78.1



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: 134.68 ng

RT: 5.11 min Scan# 282

Delta R.T. 0.01 min

Lab File: BF081210.D

Acq: 25 Aug 2015 21:08

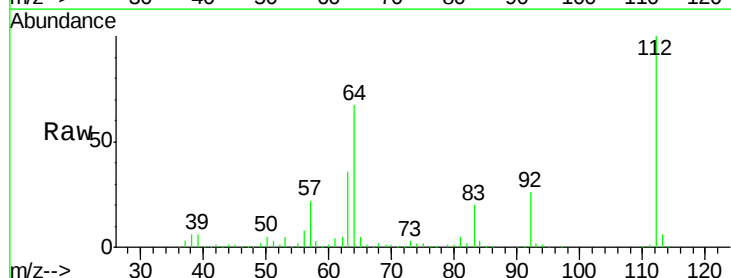
Tgt Ion:112 Resp: 625067

Ion Ratio Lower Upper

112 100

64 67.4 66.9 100.3

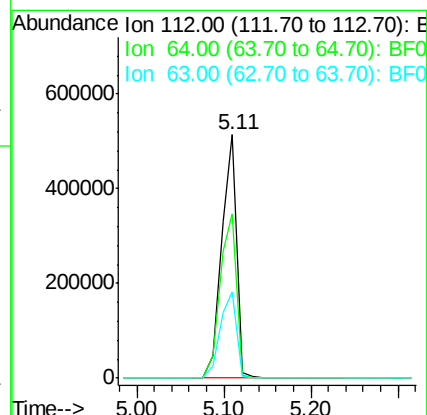
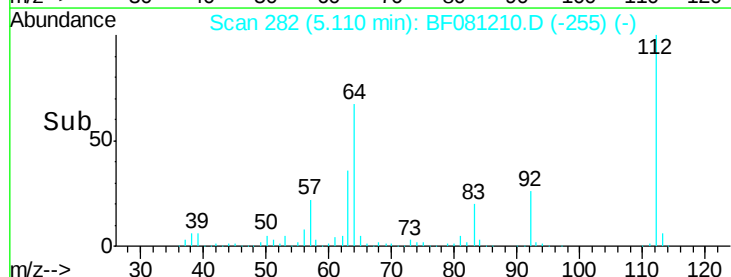
63 35.5 38.1 57.1#



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: 112.02 ng

RT: 6.18 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF081210.D

Acq: 25 Aug 2015 21:08

Instrument :

BNA_F

ClientSampleId :

P003-BF001-01

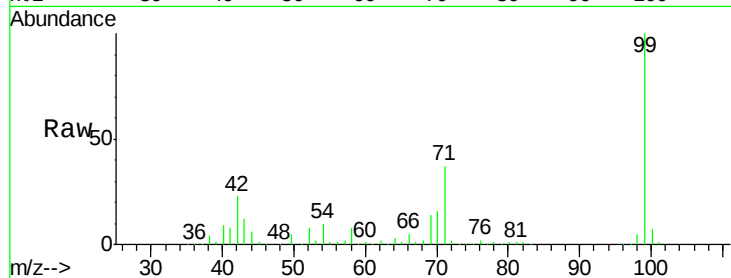
Tgt Ion: 99 Resp: 678328

Ion Ratio Lower Upper

99 100

42 23.1 19.6 29.4

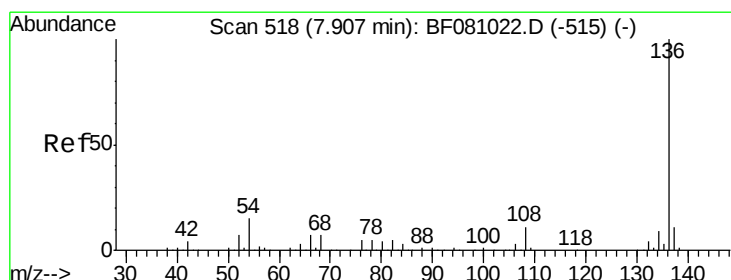
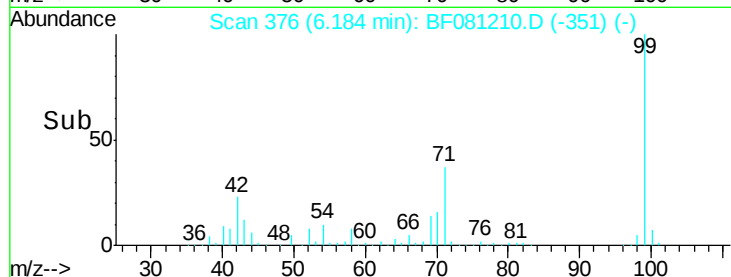
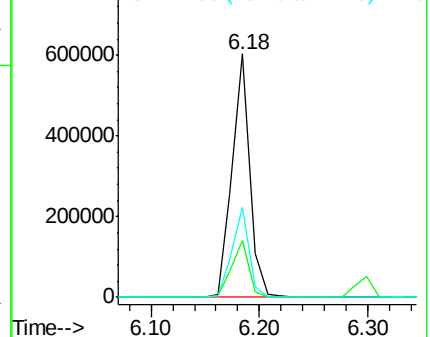
71 36.9 31.2 46.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.81 min Scan# 518

Delta R.T. -0.02 min

Lab File: BF081210.D

Acq: 25 Aug 2015 21:08

Tgt Ion: 136 Resp: 253719

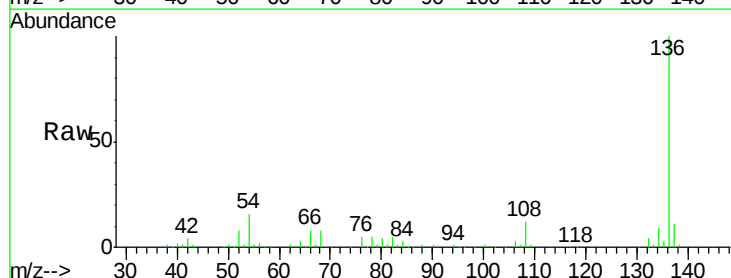
Ion Ratio Lower Upper

136 100

137 11.2 8.2 12.2

54 15.6 7.7 11.5#

68 8.2 3.4 5.2#

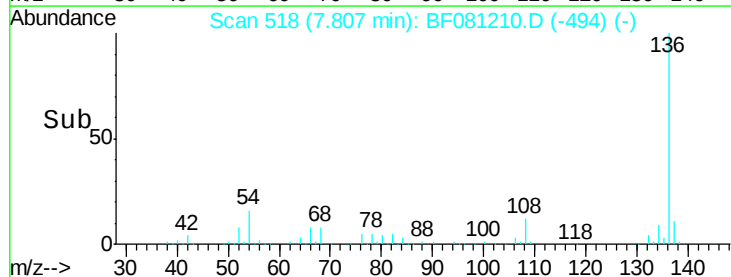
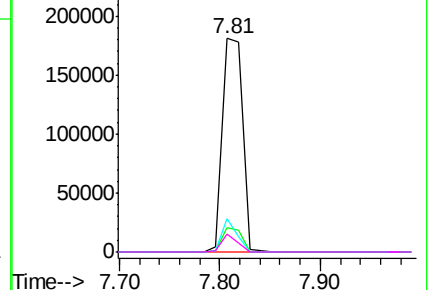


Abundance Ion 136.00 (135.70 to 136.70): E

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

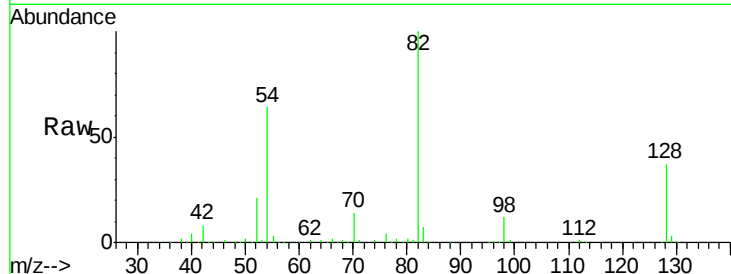




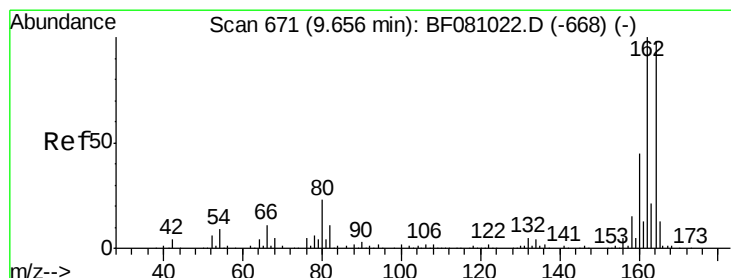
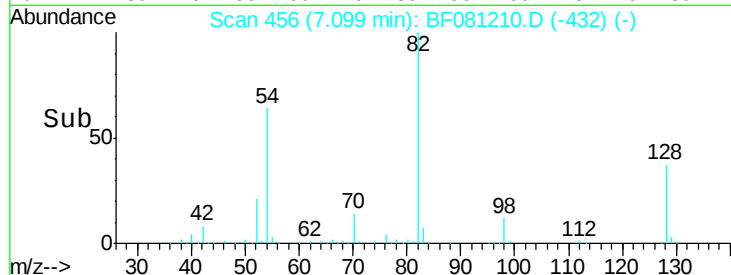
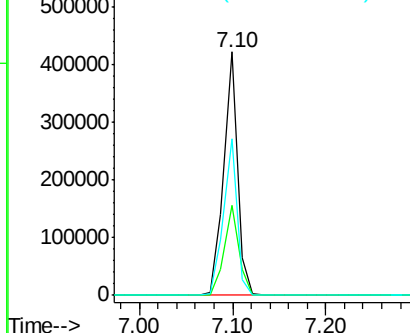
#23
 Nitrobenzene-d5
 Concen: 78.86 ng
 RT: 7.10 min Scan# 456
 Delta R.T. -0.02 min
 Lab File: BF081210.D
 Acq: 25 Aug 2015 21:08

Instrument :
 BNA_F
 ClientSampleId :
 P003-BF001-01

Tgt Ion: 82 Resp: 437982
 Ion Ratio Lower Upper
 82 100
 128 36.8 28.6 42.8
 54 64.1 55.1 82.7

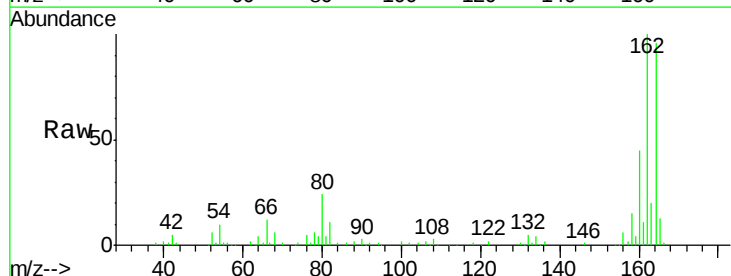


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

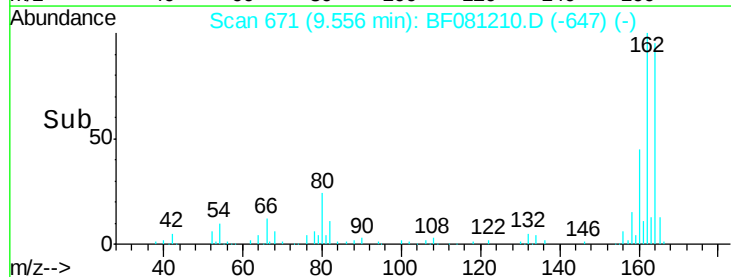
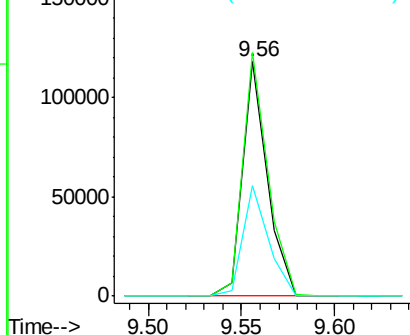


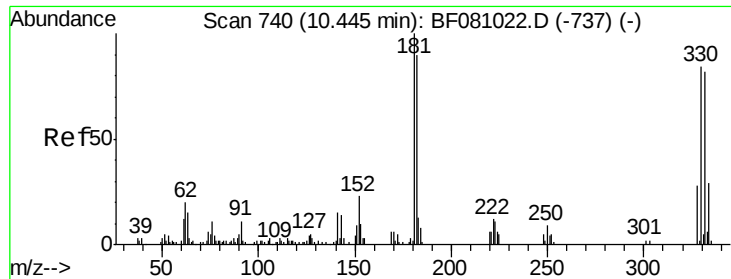
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.56 min Scan# 671
 Delta R.T. -0.02 min
 Lab File: BF081210.D
 Acq: 25 Aug 2015 21:08

Tgt Ion: 164 Resp: 108529
 Ion Ratio Lower Upper
 164 100
 162 103.9 83.8 125.8
 160 47.0 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

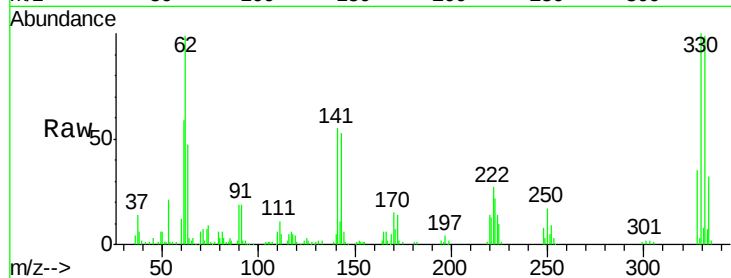




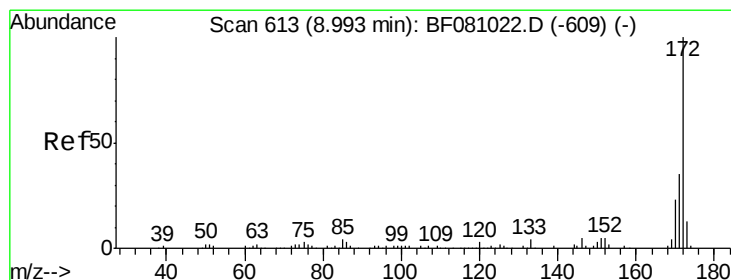
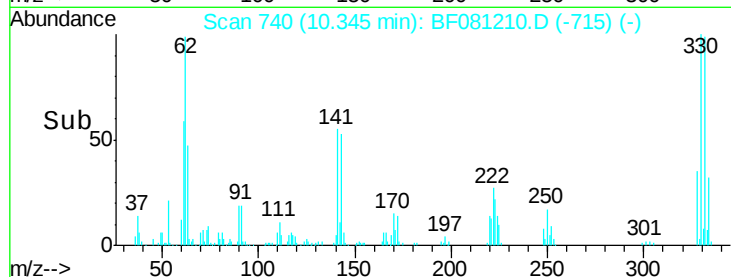
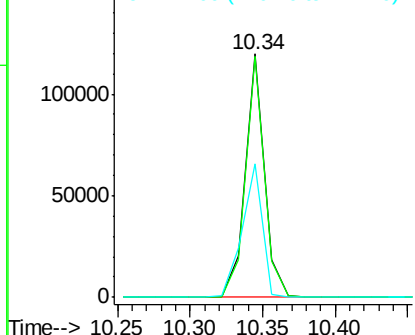
#41
 2,4,6-Tribromophenol
 Concen: 116.57 ng
 RT: 10.34 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF081210.D
 Acq: 25 Aug 2015 21:08

Instrument :
 BNA_F
 ClientSampleId :
 P003-BF001-01

Tgt Ion:330 Resp: 109670
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.3 115.9
 141 58.2 44.9 67.3

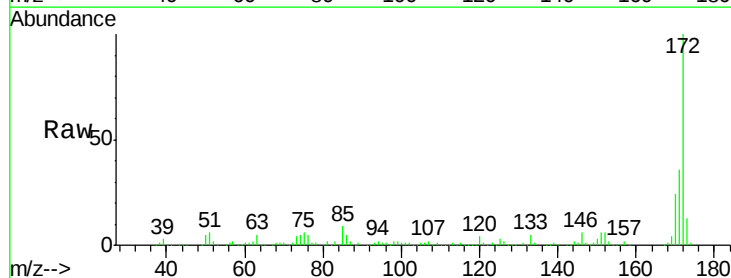


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

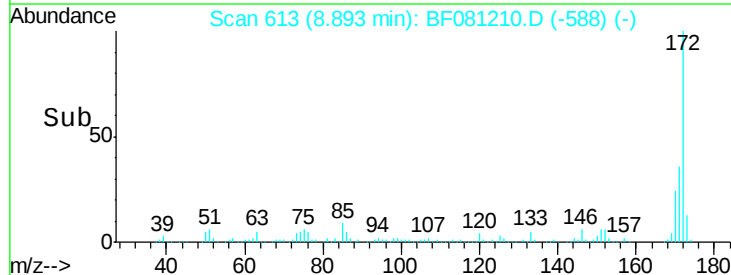
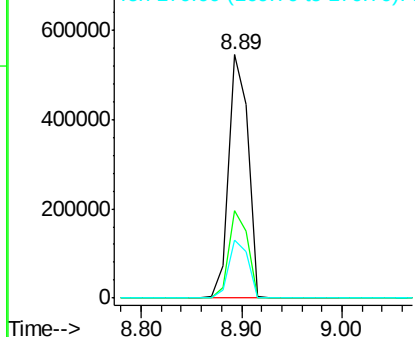


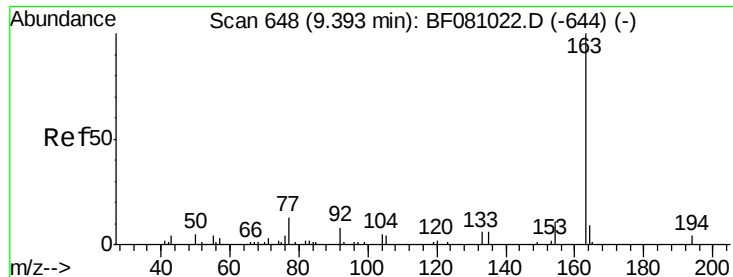
#44
 2-Fluorobiphenyl
 Concen: 87.81 ng
 RT: 8.89 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF081210.D
 Acq: 25 Aug 2015 21:08

Tgt Ion:172 Resp: 727365
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.9 43.3
 170 23.9 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

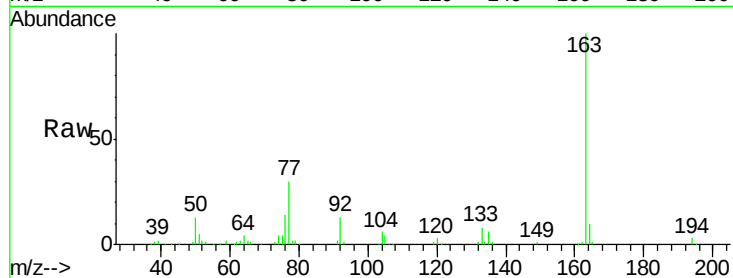




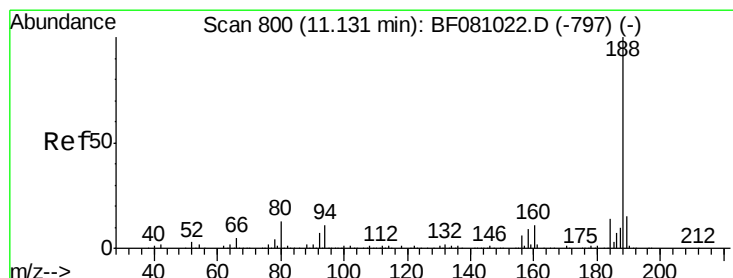
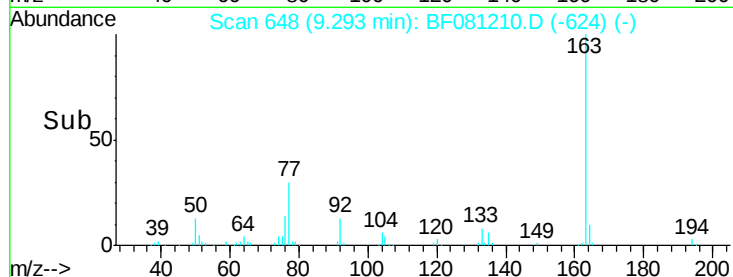
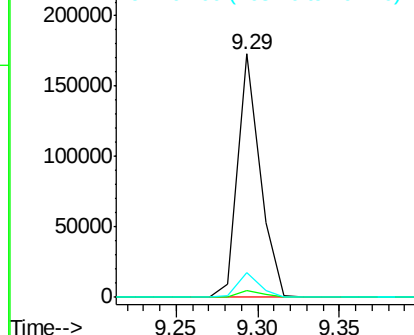
#49
Dimethylphthalate
Concen: 18.14 ng
RT: 9.29 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF081210.D
Acq: 25 Aug 2015 21:08

Instrument :
BNA_F
ClientSampleId :
P003-BF001-01

Tgt Ion:163 Resp: 162126
Ion Ratio Lower Upper
163 100
194 2.9 2.5 3.7
164 10.2 8.1 12.1

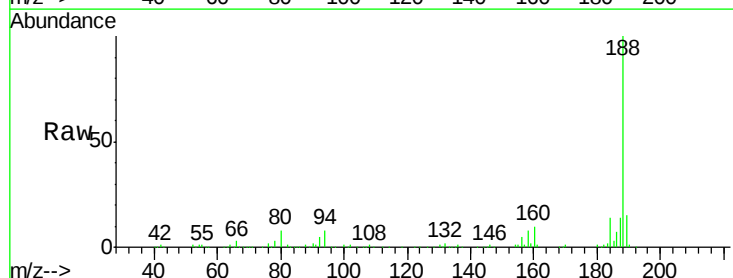


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

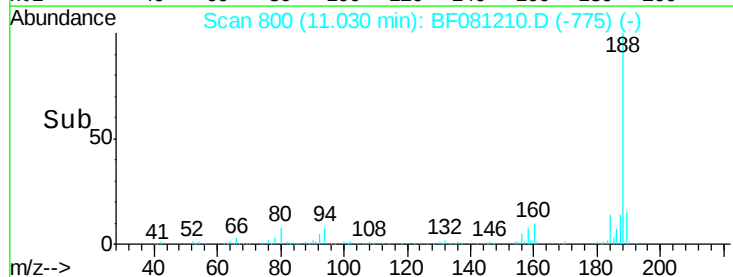
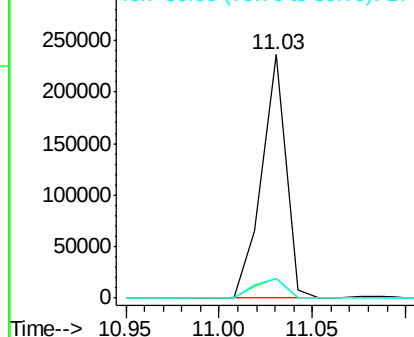


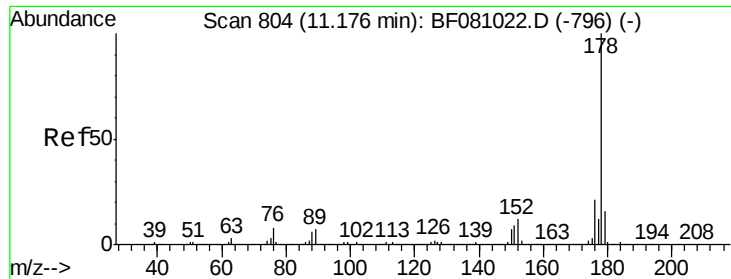
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF081210.D
Acq: 25 Aug 2015 21:08

Tgt Ion:188 Resp: 213080
Ion Ratio Lower Upper
188 100
94 8.2 8.2 12.2
80 8.1 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

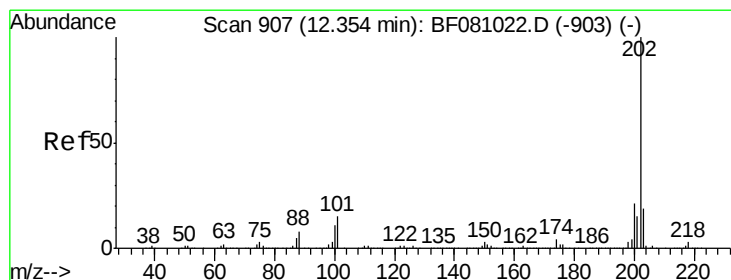
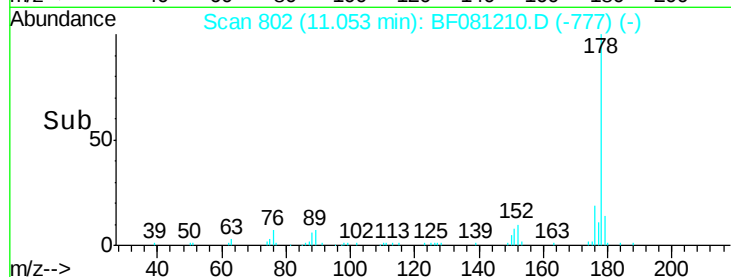
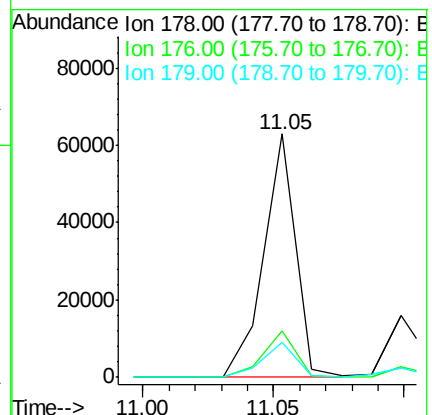
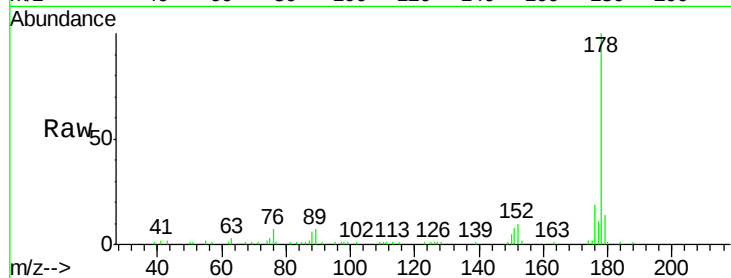




#70
Phenanthrene
Concen: 4.28 ng
RT: 11.05 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF081210.D
Acq: 25 Aug 2015 21:08

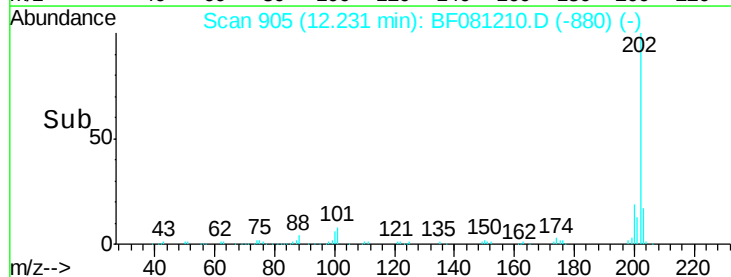
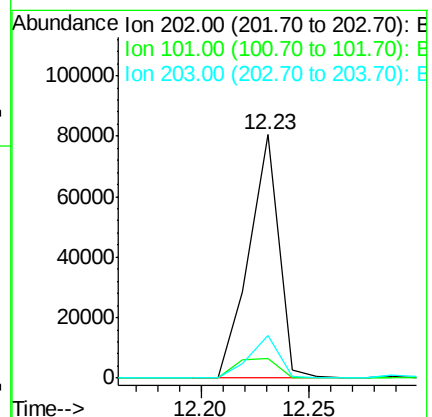
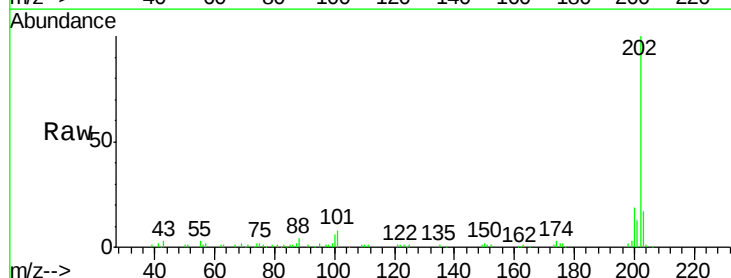
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P003-BF001-01

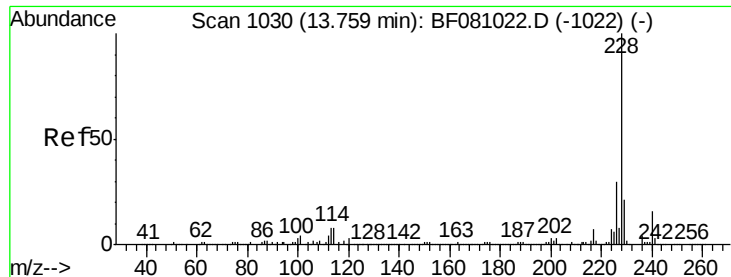
Tgt Ion:178 Resp: 54077
Ion Ratio Lower Upper
178 100
176 19.0 15.7 23.5
179 14.1 12.2 18.2



#74
Fluoranthene
Concen: 5.64 ng
RT: 12.23 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF081210.D
Acq: 25 Aug 2015 21:08

Tgt Ion:202 Resp: 76788
Ion Ratio Lower Upper
202 100
101 7.9 0.0 24.8
203 17.3 0.0 36.9

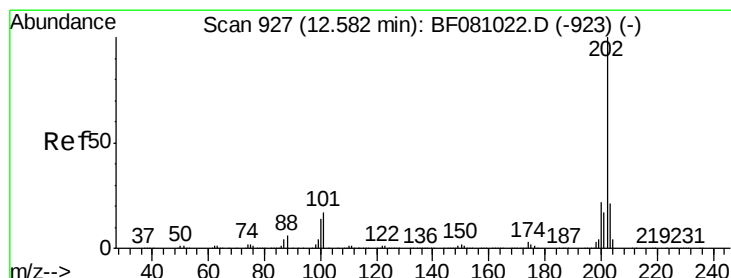
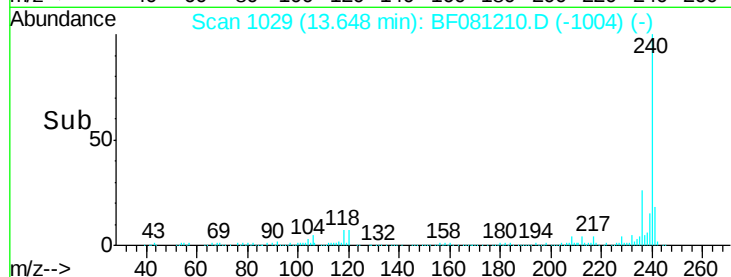
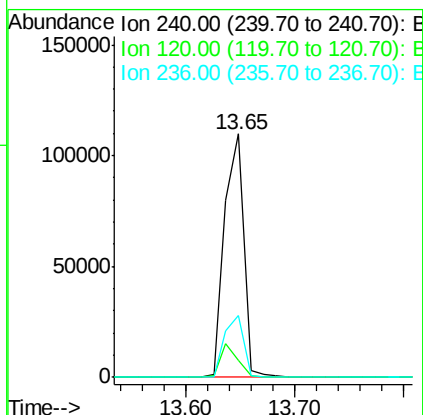
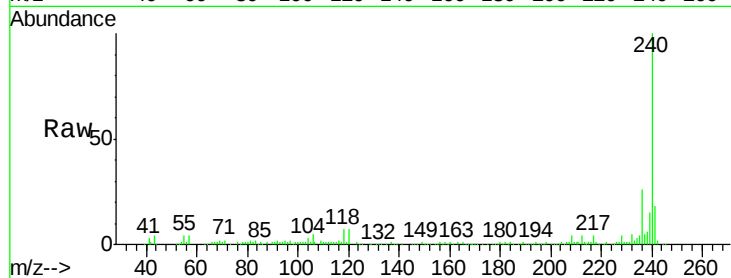




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.65 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF081210.D
Acq: 25 Aug 2015 21:08

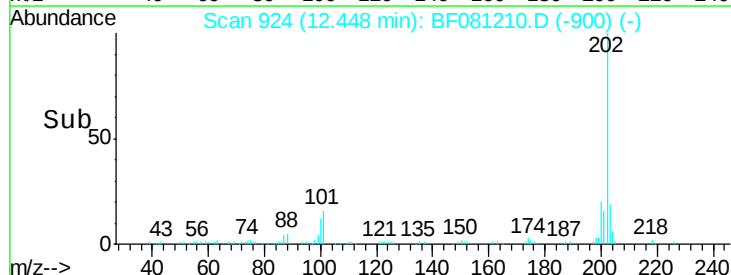
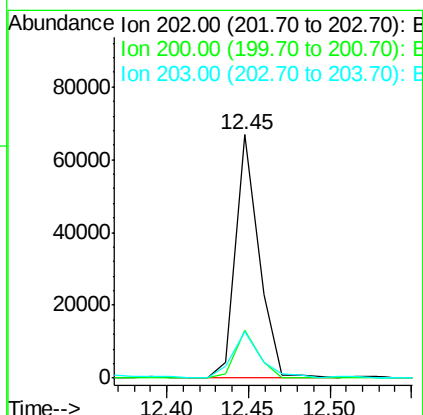
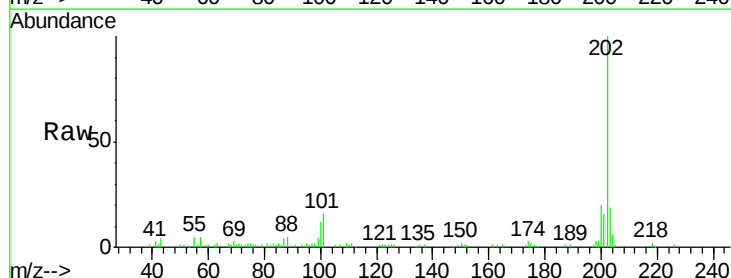
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P003-BF001-01

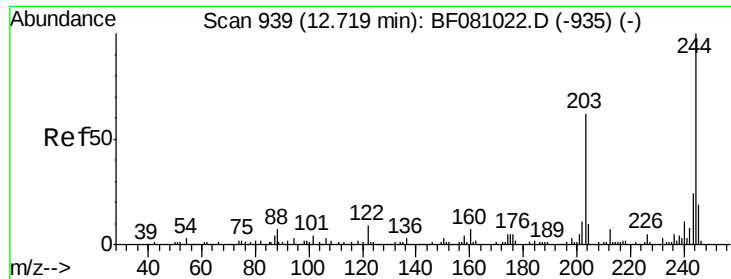
Tgt Ion:240 Resp: 134914
Ion Ratio Lower Upper
240 100
120 7.2 5.6 8.4
236 25.6 20.6 30.8



#77
Pyrene
Concen: 6.03 ng
RT: 12.45 min Scan# 924
Delta R.T. -0.02 min
Lab File: BF081210.D
Acq: 25 Aug 2015 21:08

Tgt Ion:202 Resp: 66088
Ion Ratio Lower Upper
202 100
200 19.7 16.6 24.8
203 19.2 14.1 21.1

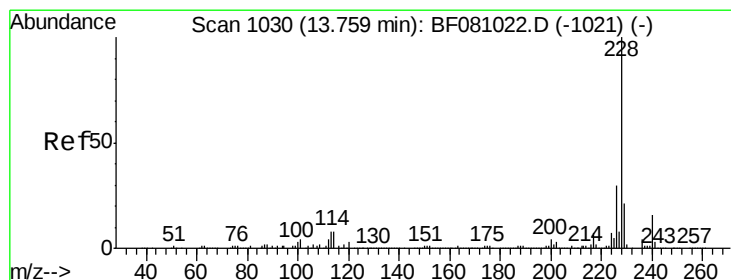
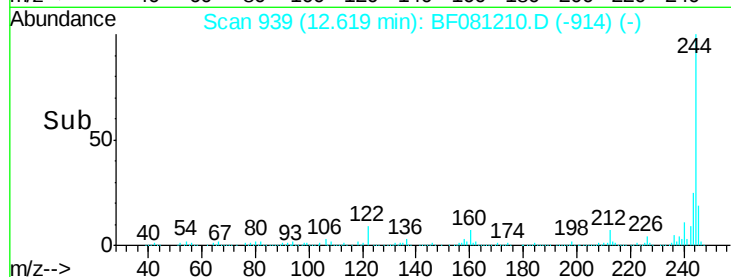
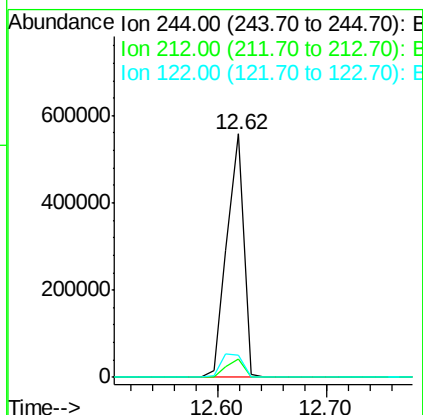
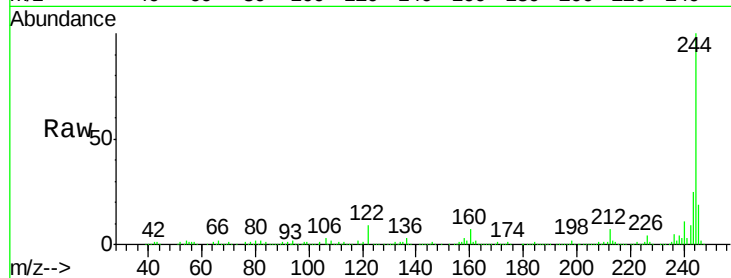




#78
 Terphenyl-d14
 Concen: 95.23 ng
 RT: 12.62 min Scan# 939
 Delta R.T. -0.01 min
 Lab File: BF081210.D
 Acq: 25 Aug 2015 21:08

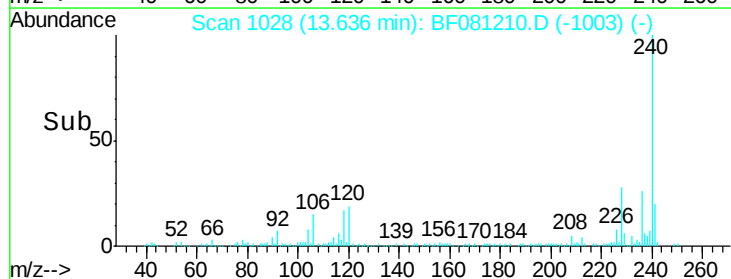
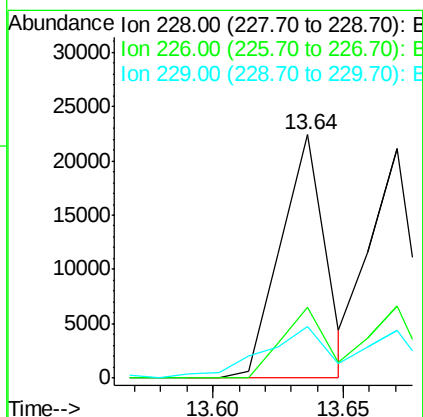
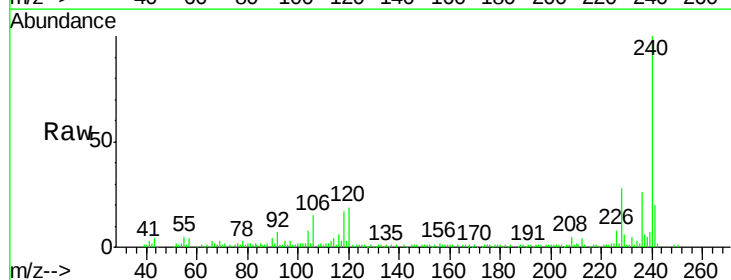
Instrument :
 BNA_F
 ClientSampleId :
 P003-BF001-01

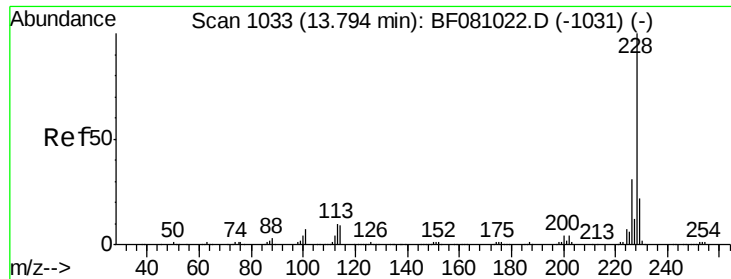
Tgt Ion:244 Resp: 599326
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 9.2 8.2 12.4



#80
 Benzo(a)anthracene
 Concen: 2.95 ng
 RT: 13.64 min Scan# 1028
 Delta R.T. -0.01 min
 Lab File: BF081210.D
 Acq: 25 Aug 2015 21:08

Tgt Ion:228 Resp: 26735
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.3 33.5
 229 21.3 15.9 23.9





#82

Chrysene

Concen: 2.92 ng m

RT: 13.67 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF081210.D

Acq: 25 Aug 2015 21:08

Instrument :

BNA_F

ClientSampleId :

P003-BF001-01

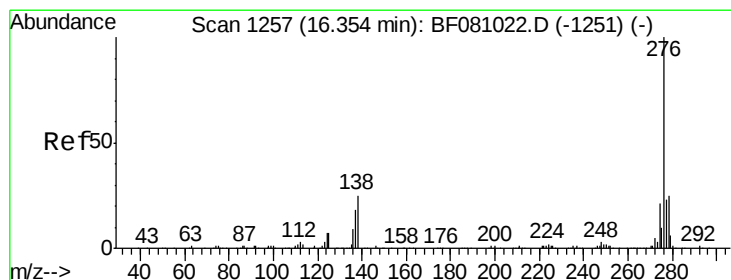
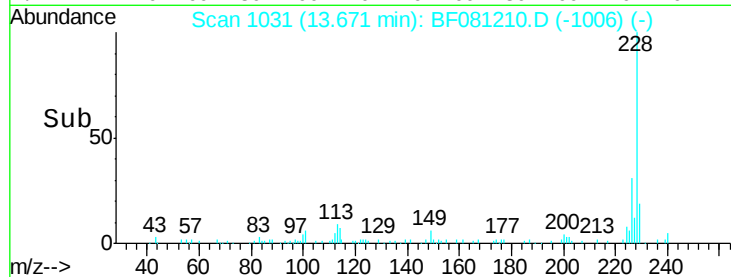
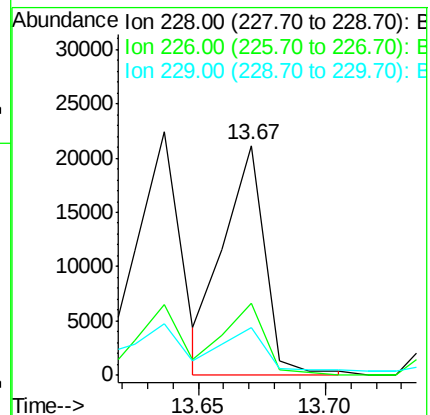
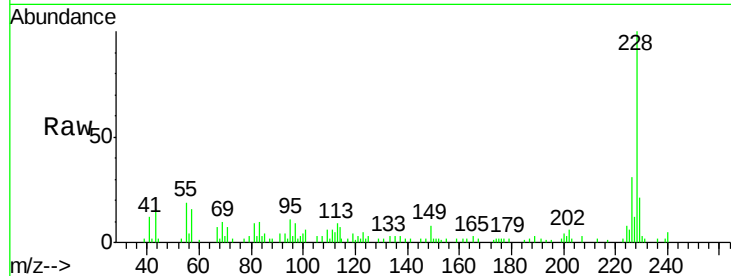
Tgt Ion:228 Resp: 23813

Ion Ratio Lower Upper

228 100

226 31.2 24.4 36.6

229 20.9 16.0 24.0



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.41 ng

RT: 16.14 min Scan# 1247

Delta R.T. -0.02 min

Lab File: BF081210.D

Acq: 25 Aug 2015 21:08

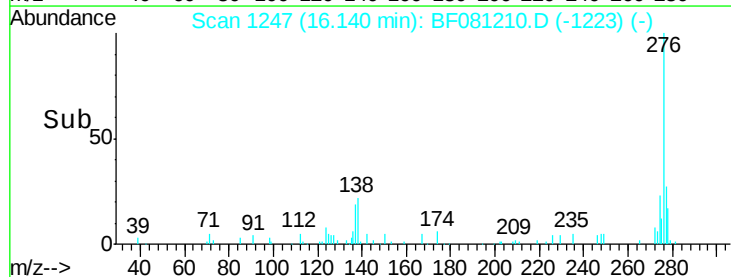
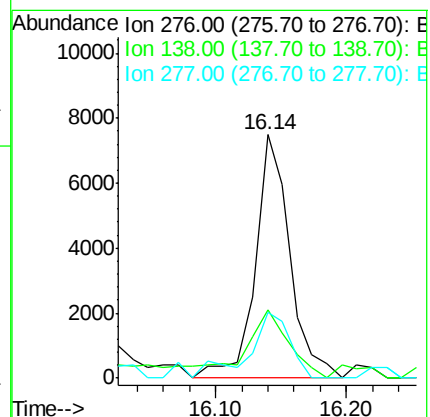
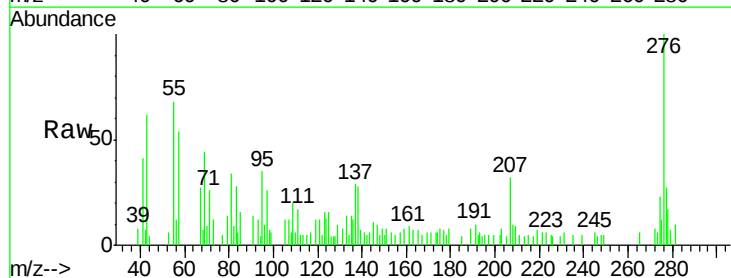
Tgt Ion:276 Resp: 13822

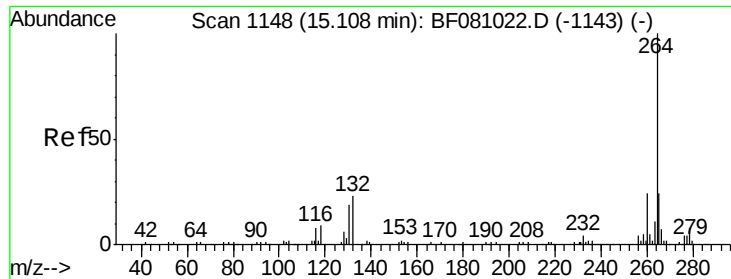
Ion Ratio Lower Upper

276 100

138 32.9 18.6 28.0#

277 34.2 19.8 29.8#

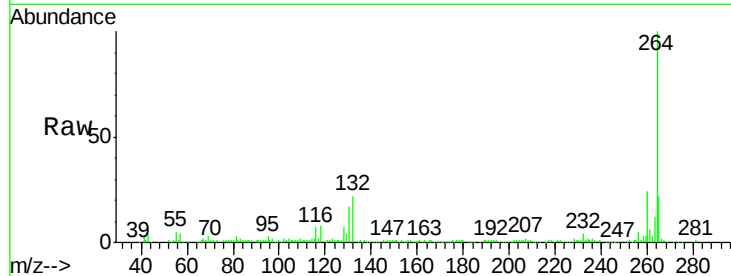




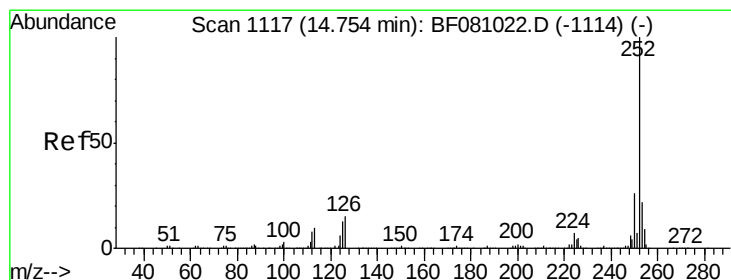
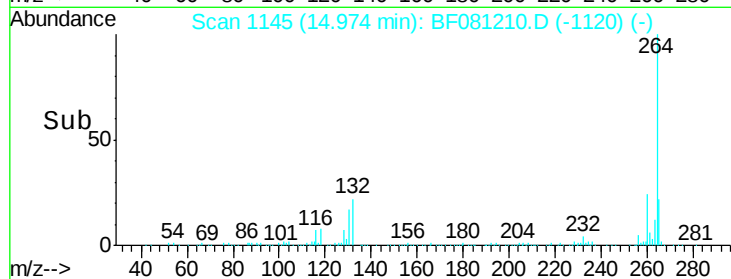
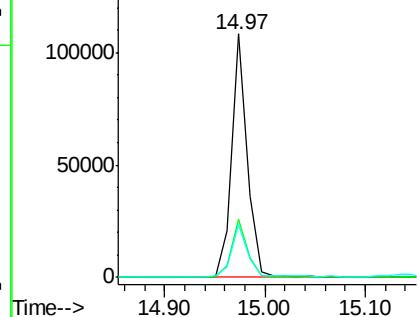
#86
Perylene-d12
Concen: 20.00 ng
RT: 14.97 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BF081210.D
Acq: 25 Aug 2015 21:08

Instrument :
BNA_F
ClientSampleId :
P003-BF001-01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.6	29.4
265	21.5	17.5	26.3

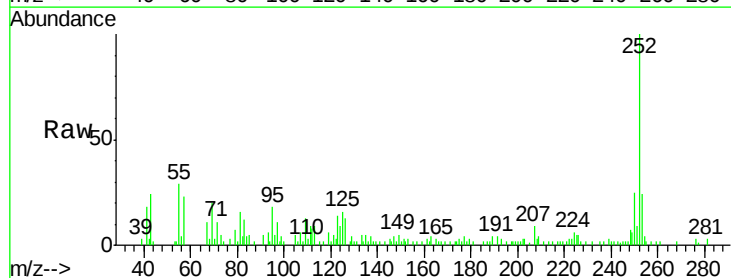


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

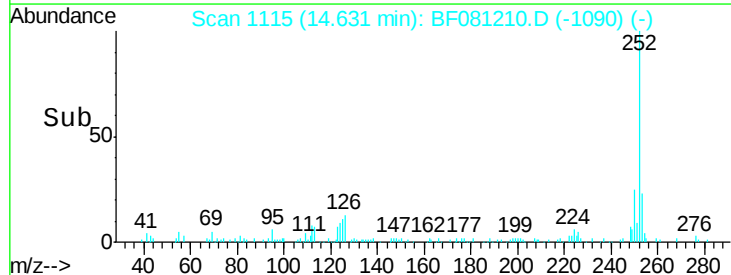
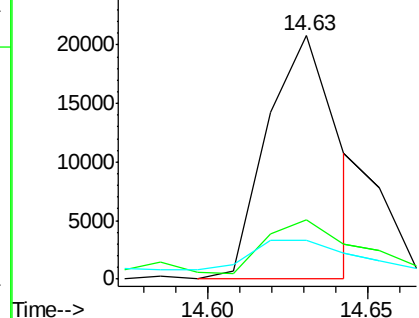


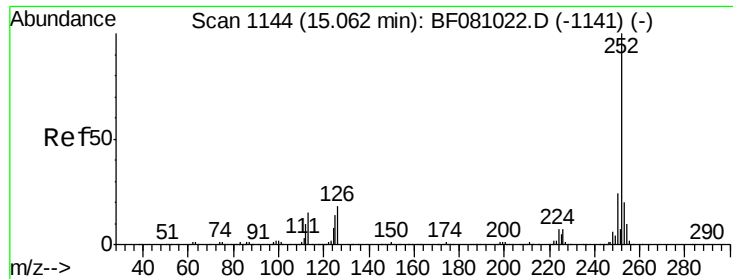
#87
Benzo(b)fluoranthene
Concen: 3.82 ng m
RT: 14.63 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BF081210.D
Acq: 25 Aug 2015 21:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	15.9	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

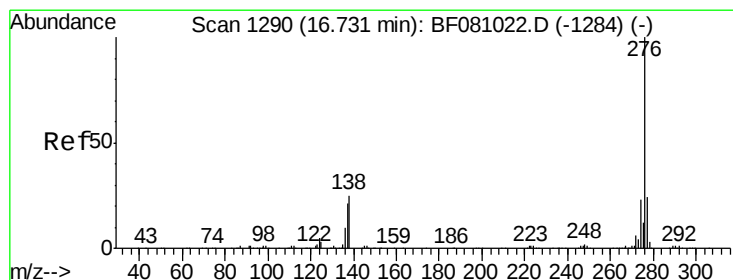
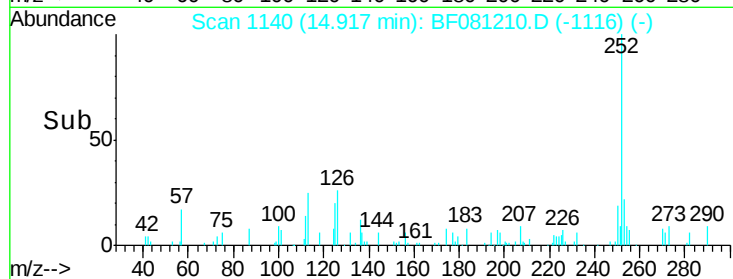
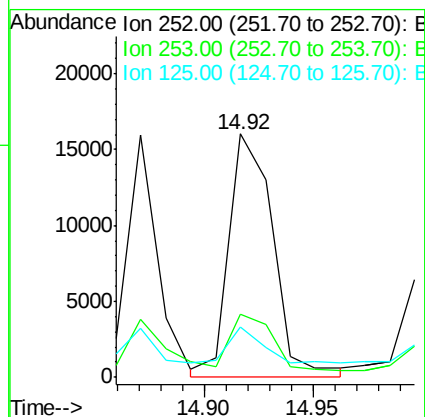
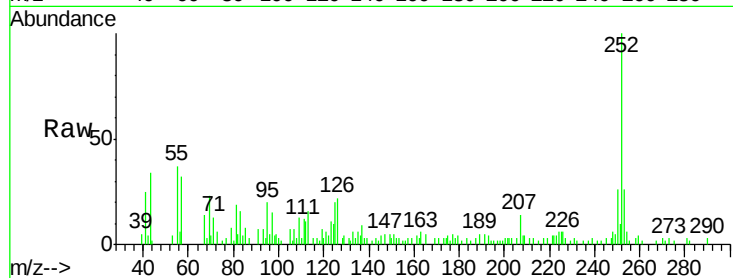




#89
Benzo(a)pyrene
Concen: 3.11 ng
RT: 14.92 min Scan# 1140
Delta R.T. -0.02 min
Lab File: BF081210.D
Acq: 25 Aug 2015 21:08

Instrument :
BNA_F
ClientSampleId :
P003-BF001-01

Tgt Ion: 252 Resp: 22566
Ion Ratio Lower Upper
252 100
253 25.7 16.6 25.0#
125 20.5 7.8 11.8#



#91
Benzo(g,h,i)perylene
Concen: 2.31 ng
RT: 16.49 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF081210.D
Acq: 25 Aug 2015 21:08

Tgt Ion: 276 Resp: 13236
Ion Ratio Lower Upper
276 100
277 25.6 18.2 27.2
138 26.7 13.7 20.5#

