

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082515\
 Data File : BF081211.D
 Acq On : 25 Aug 2015 21:39
 Operator : UM/IZ
 Sample : G3407-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P004-BF002-01

Quant Time: Aug 26 01:18:34 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	70483	20.00	ng	-0.01
21) Naphthalene-d8	7.82	136	247563	20.00	ng	-0.01
38) Acenaphthene-d10	9.56	164	105655	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	198189	20.00	ng	-0.01
75) Chrysene-d12	13.65	240	137897	20.00	ng	-0.01
86) Perylene-d12	14.99	264	110493	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.11	112	642811	137.18	ng	0.01
7) Phenol-d6	6.20	99	904838	147.99	ng	0.00
23) Nitrobenzene-d5	7.10	82	468969	86.54	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	108721	118.71	ng	-0.01
44) 2-Fluorobiphenyl	8.90	172	794537	98.53	ng	0.00
78) Terphenyl-d14	12.62	244	530786	82.52	ng	-0.01

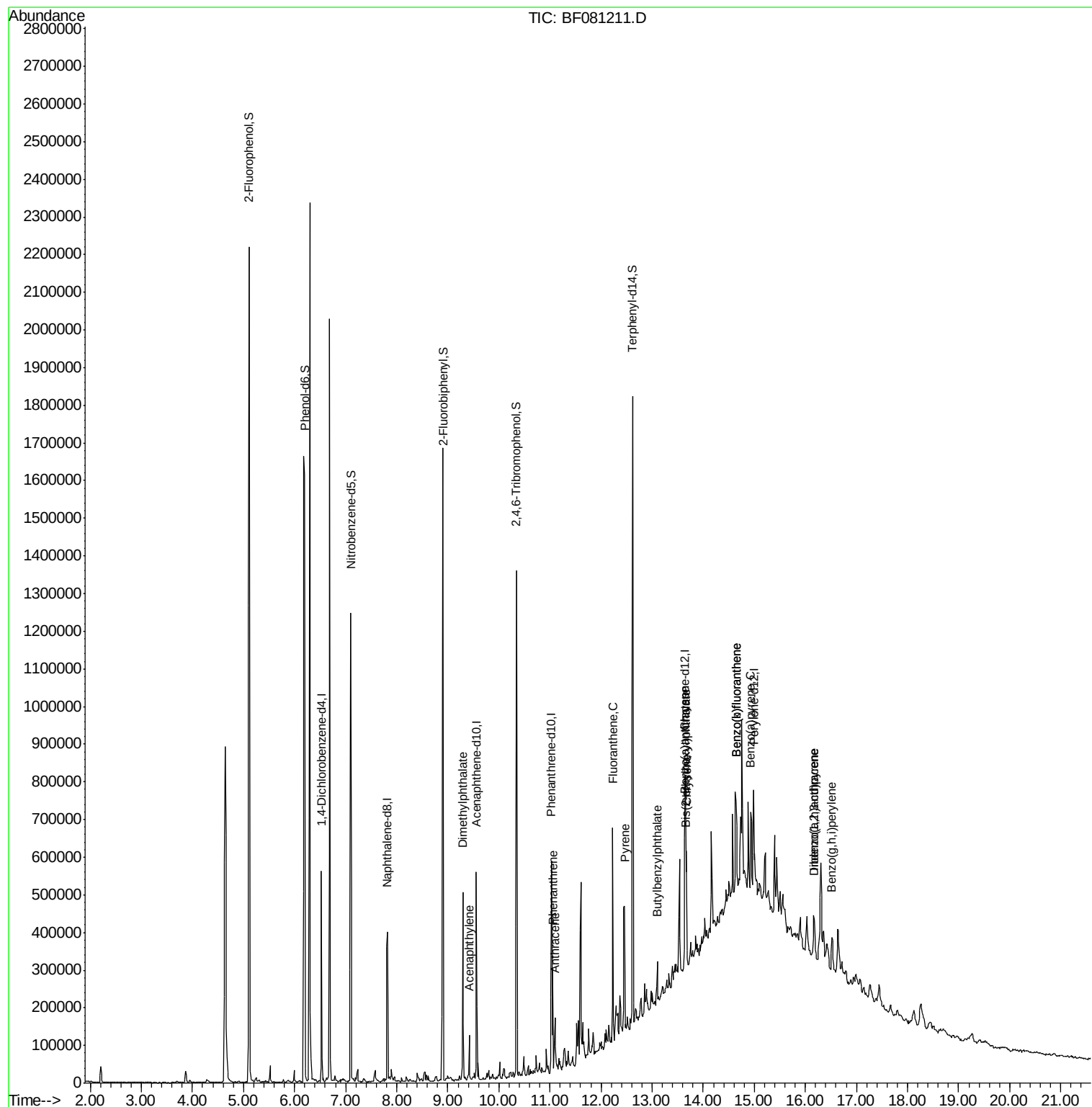
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
48) Acenaphthylene	9.42	152	44388	3.32	ng	98
49) Dimethylphthalate	9.29	163	176881	20.33	ng	99
70) Phenanthrene	11.05	178	89285	7.60	ng	99
71) Anthracene	11.10	178	42910	3.75	ng	99
74) Fluoranthene	12.23	202	215049	16.97	ng	96
77) Pyrene	12.46	202	201877	18.01	ng	99
79) Butylbenzylphthalate	13.10	149	24204	5.02	ng	# 84
80) Benzo(a)anthracene	13.64	228	95889m	10.37	ng	
82) Chrysene	13.67	228	108021m	12.96	ng	
83) Bis(2-ethylhexyl)phthalate	13.66	149	33406	5.41	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.16	276	61730	10.55	ng	94
87) Benzo(b)fluoranthene	14.64	252	130875m	16.75	ng	
88) Benzo(k)fluoranthene	14.64	252	62418m	8.57	ng	
89) Benzo(a)pyrene	14.93	252	106524	15.64	ng	# 88
90) Dibenzo(a,h)anthracene	16.17	278	19942	3.76	ng	# 72
91) Benzo(g,h,i)perylene	16.52	276	67417	12.52	ng	# 85

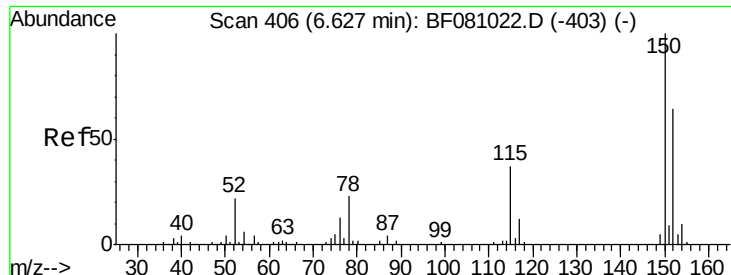
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF081211.D

Acq: 25 Aug 2015 21:39

Instrument :

BNA_F

ClientSampleId :

P004-BF002-01

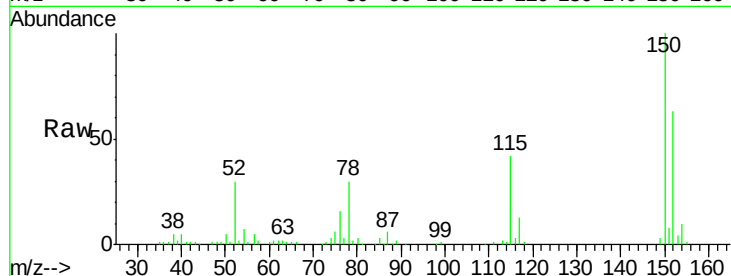
Tgt Ion:152 Resp: 70483

Ion Ratio Lower Upper

152 100

150 159.0 123.8 185.6

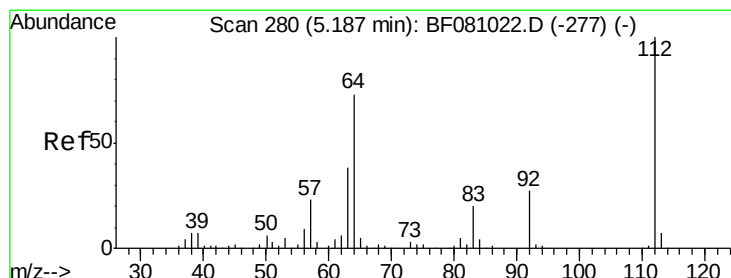
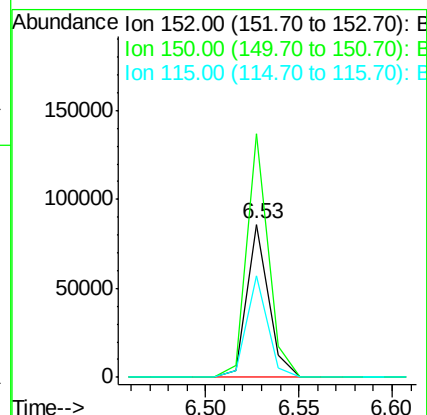
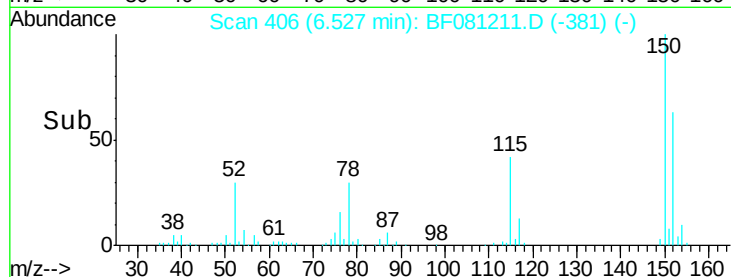
115 66.3 52.1 78.1



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: 137.18 ng

RT: 5.11 min Scan# 282

Delta R.T. 0.01 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

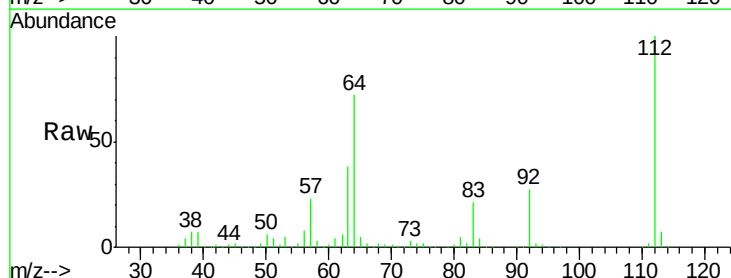
Tgt Ion:112 Resp: 642811

Ion Ratio Lower Upper

112 100

64 72.4 66.9 100.3

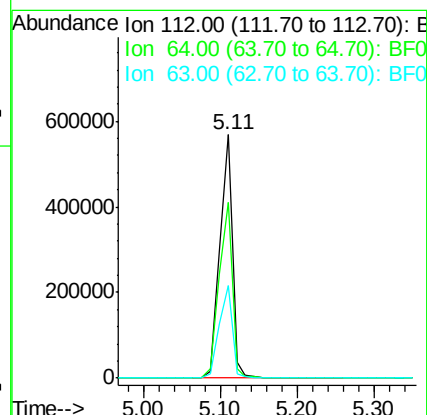
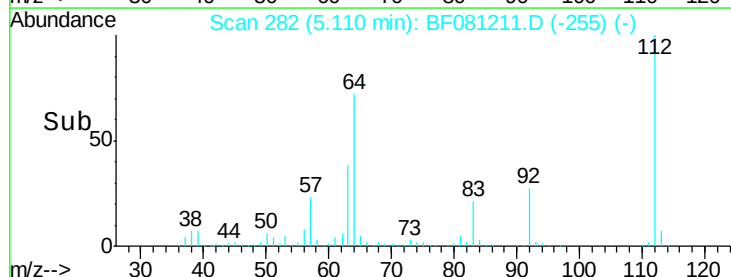
63 38.1 38.1 57.1#

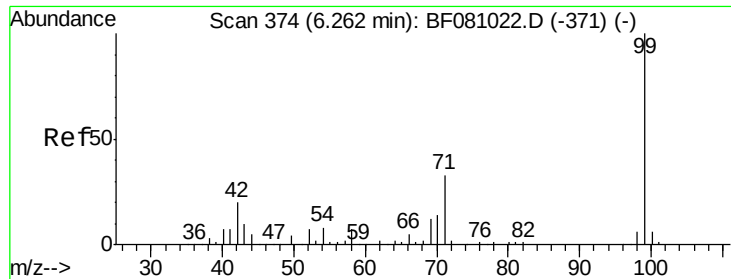


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 147.99 ng

RT: 6.20 min Scan# 377

Delta R.T. 0.00 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

Instrument :

BNA_F

ClientSampleId :

P004-BF002-01

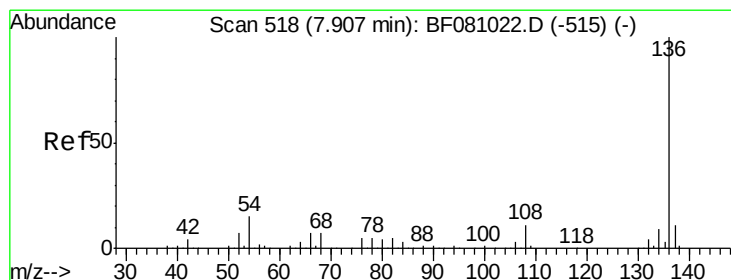
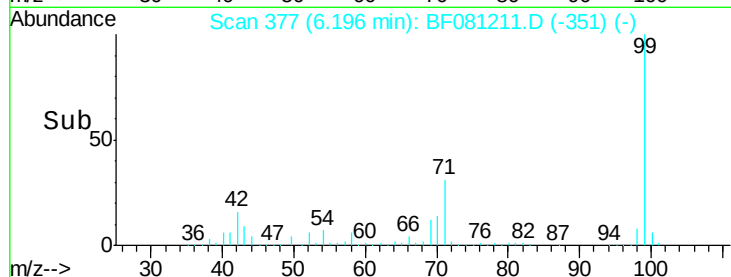
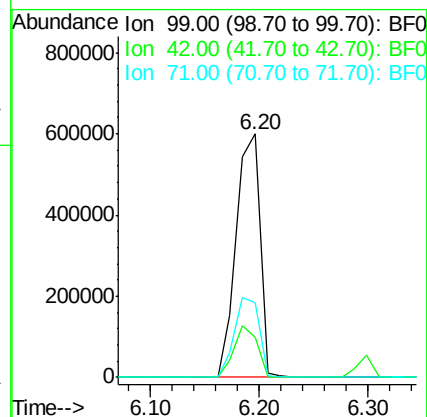
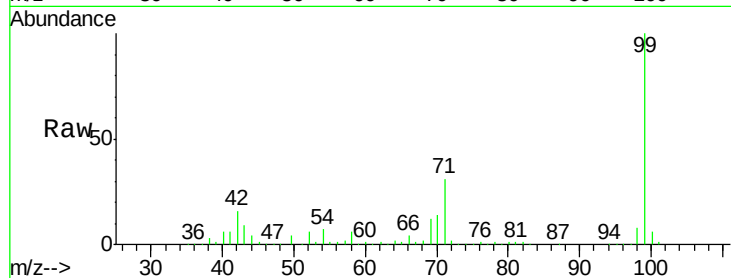
Tgt Ion: 99 Resp: 904838

Ion Ratio Lower Upper

99 100

42 16.3 19.6 29.4#

71 30.9 31.2 46.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.82 min Scan# 519

Delta R.T. -0.01 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

Tgt Ion: 136 Resp: 247563

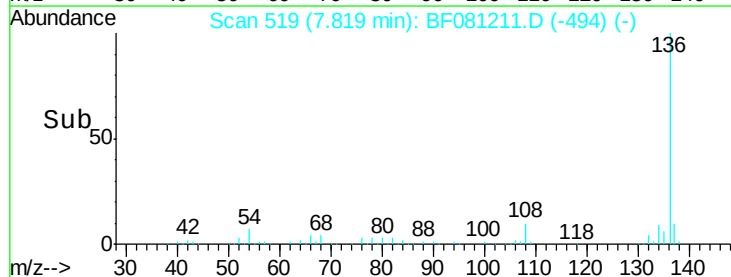
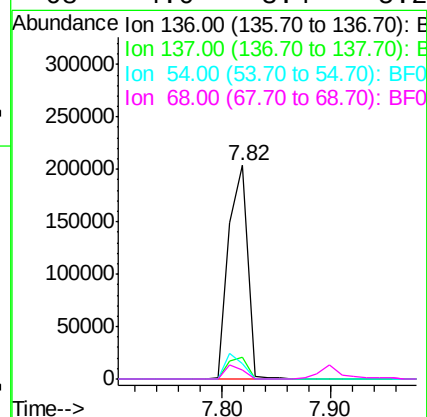
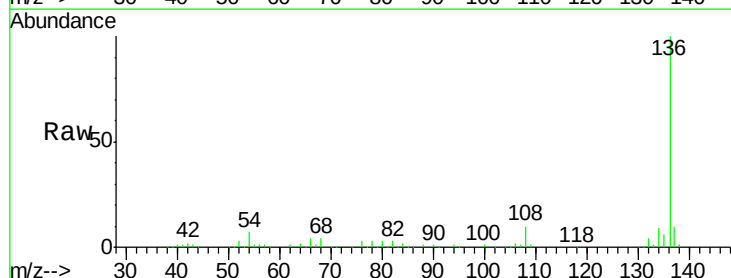
Ion Ratio Lower Upper

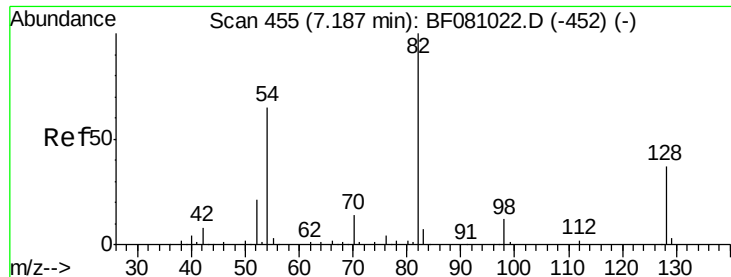
136 100

137 10.3 8.2 12.2

54 7.3 7.7 11.5#

68 4.0 3.4 5.2

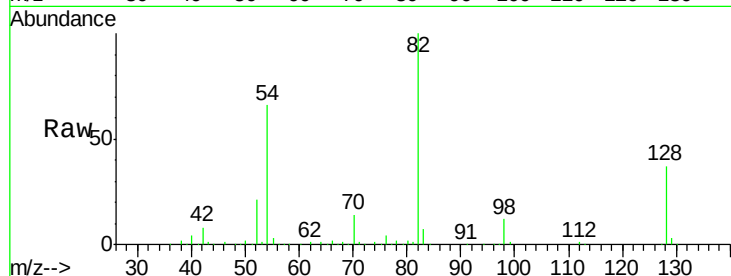




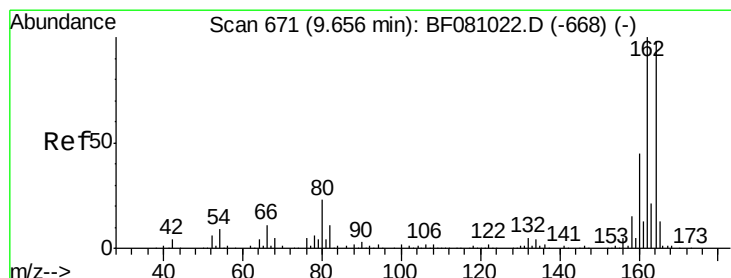
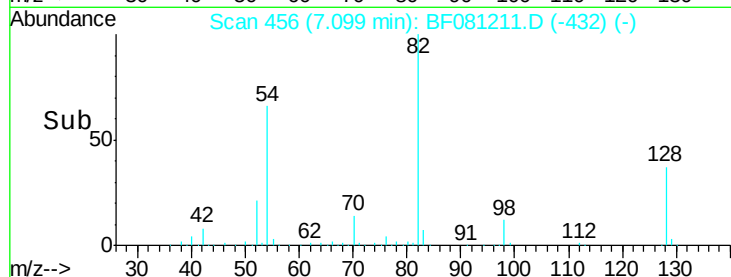
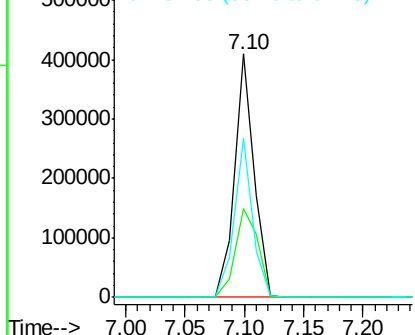
#23
 Nitrobenzene-d5
 Concen: 86.54 ng
 RT: 7.10 min Scan# 456
 Delta R.T. -0.02 min
 Lab File: BF081211.D
 Acq: 25 Aug 2015 21:39

Instrument :
 BNA_F
 ClientSampleId :
 P004-BF002-01

Tgt Ion: 82 Resp: 468969
 Ion Ratio Lower Upper
 82 100
 128 36.6 28.6 42.8
 54 65.5 55.1 82.7

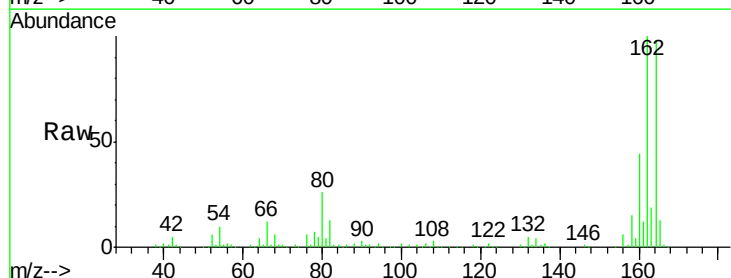


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

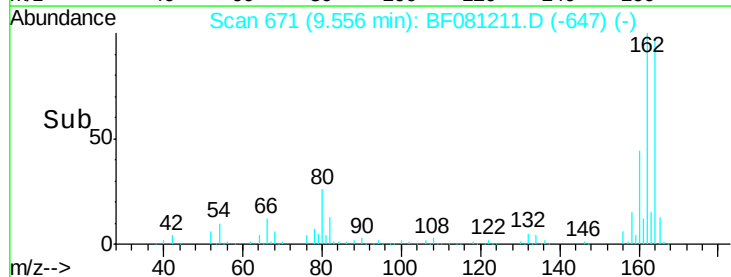
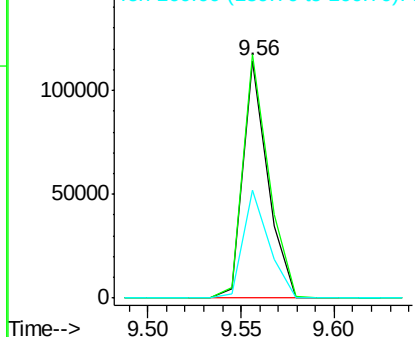


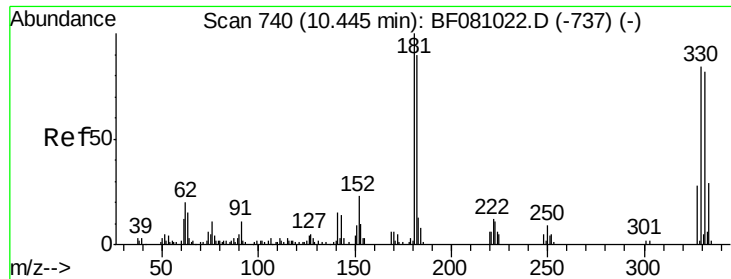
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.56 min Scan# 671
 Delta R.T. -0.02 min
 Lab File: BF081211.D
 Acq: 25 Aug 2015 21:39

Tgt Ion: 164 Resp: 105655
 Ion Ratio Lower Upper
 164 100
 162 102.5 83.8 125.8
 160 45.2 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: 118.71 ng

RT: 10.34 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

Instrument :

BNA_F

ClientSampleId :

P004-BF002-01

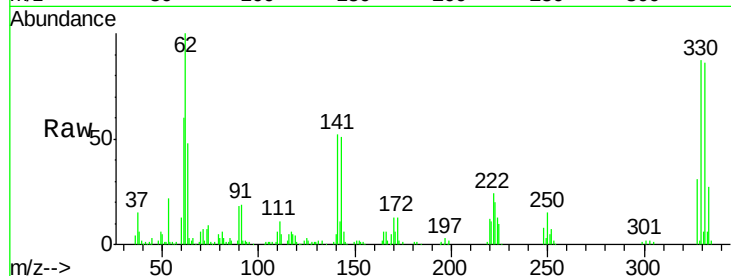
Tgt Ion:330 Resp: 108721

Ion Ratio Lower Upper

330 100

332 98.4 77.3 115.9

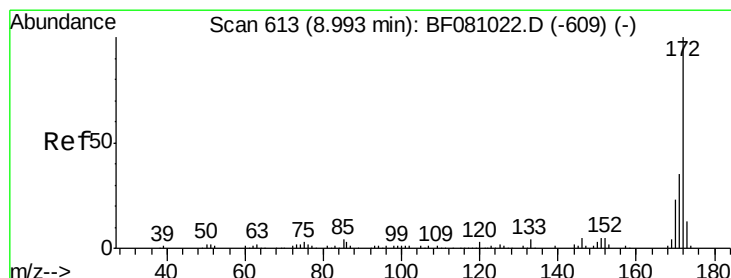
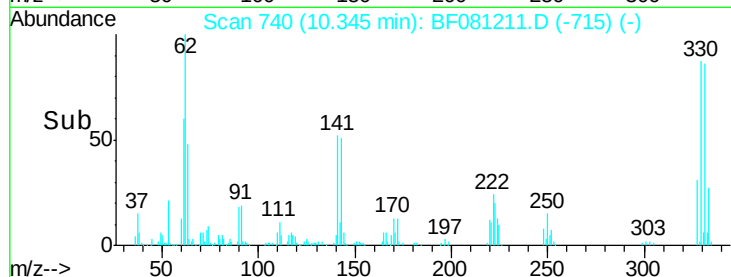
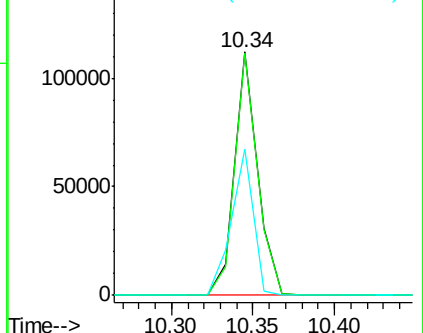
141 58.0 44.9 67.3



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: 98.53 ng

RT: 8.90 min Scan# 614

Delta R.T. 0.00 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

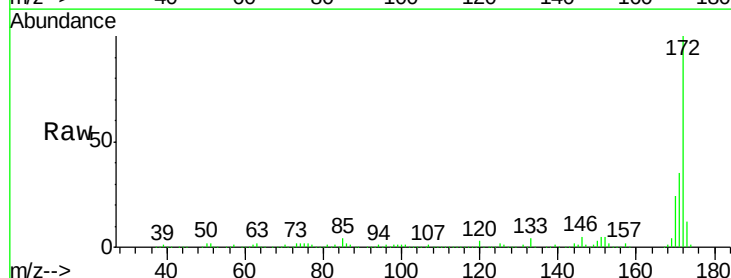
Tgt Ion:172 Resp: 794537

Ion Ratio Lower Upper

172 100

171 35.4 28.9 43.3

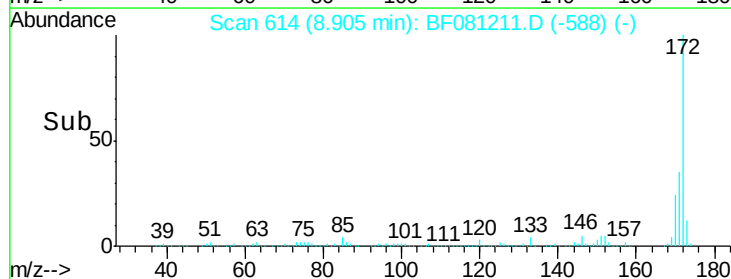
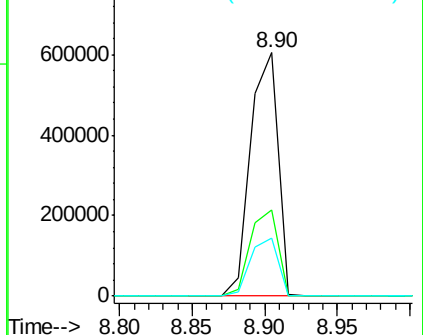
170 24.1 19.4 29.2

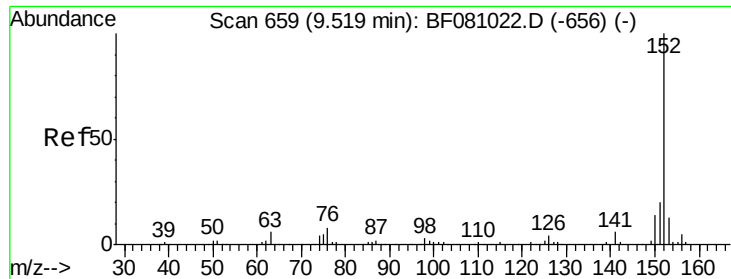


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

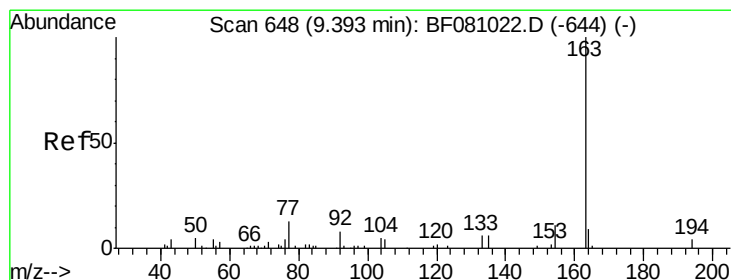
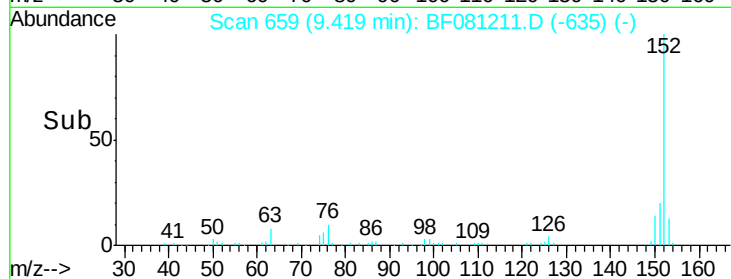
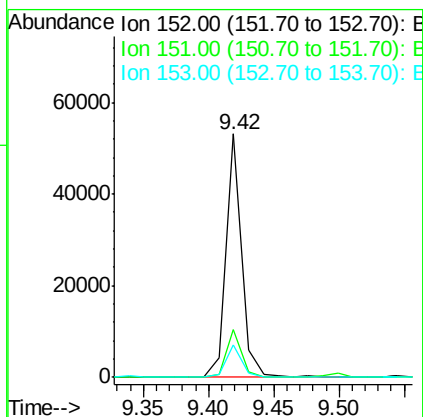
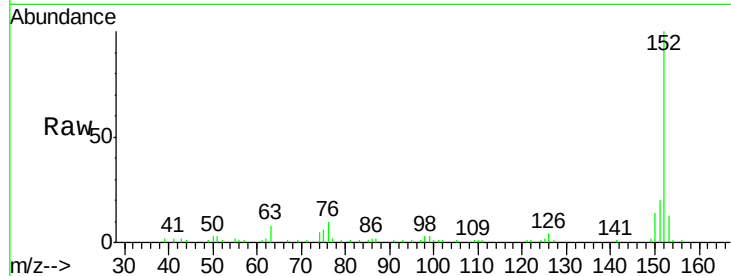




#48
Acenaphthylene
Concen: 3.32 ng
RT: 9.42 min Scan# 659
Delta R.T. -0.02 min
Lab File: BF081211.D
Acq: 25 Aug 2015 21:39

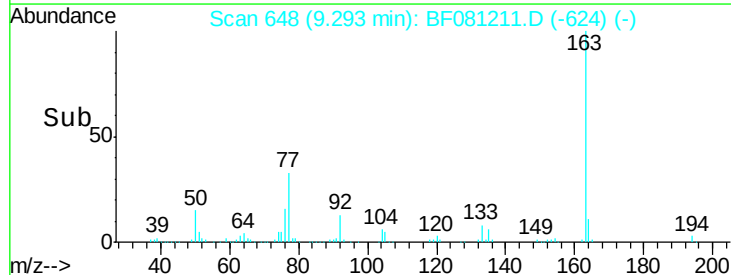
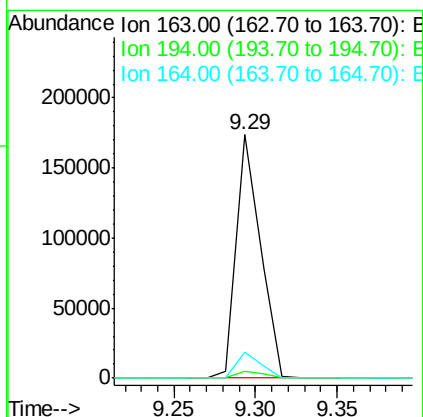
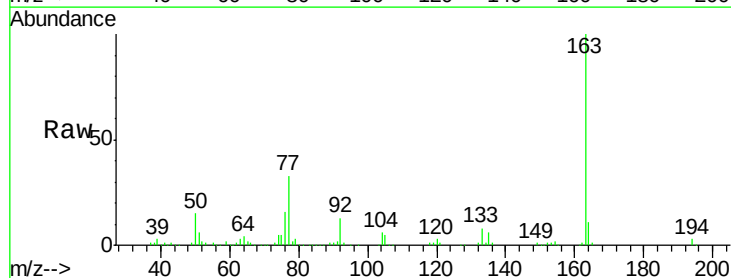
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P004-BF002-01

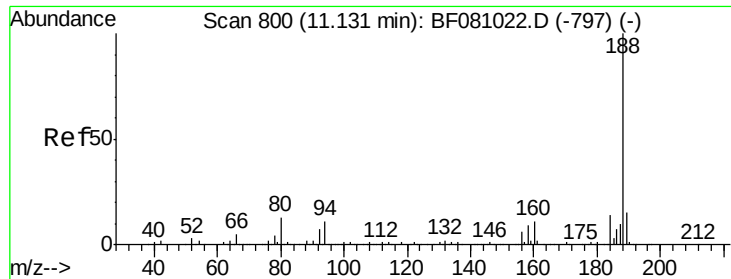
Tgt Ion:152 Resp: 44388
Ion Ratio Lower Upper
152 100
151 19.6 16.1 24.1
153 13.2 9.8 14.6



#49
Dimethylphthalate
Concen: 20.33 ng
RT: 9.29 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF081211.D
Acq: 25 Aug 2015 21:39

Tgt Ion:163 Resp: 176881
Ion Ratio Lower Upper
163 100
194 3.0 2.5 3.7
164 10.6 8.1 12.1

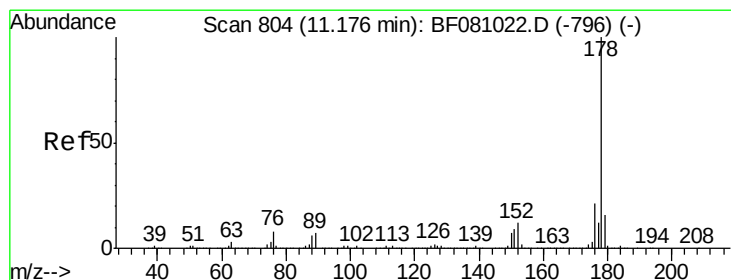
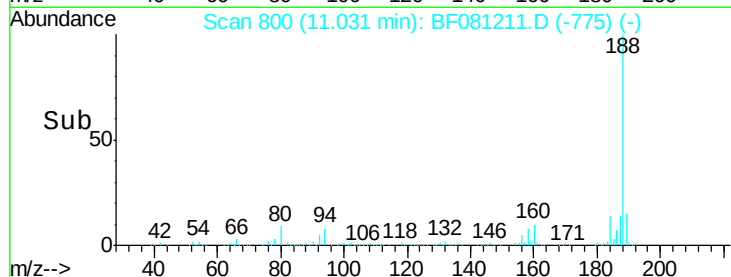
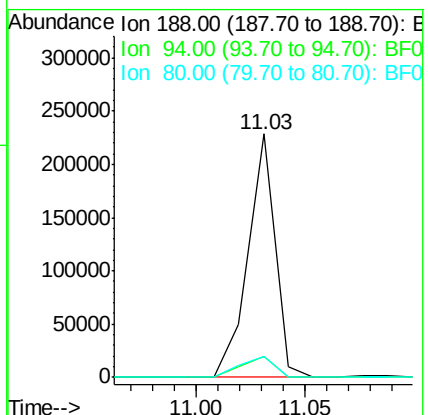
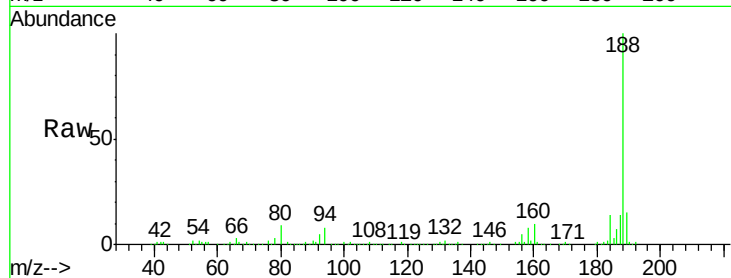




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF081211.D
Acq: 25 Aug 2015 21:39

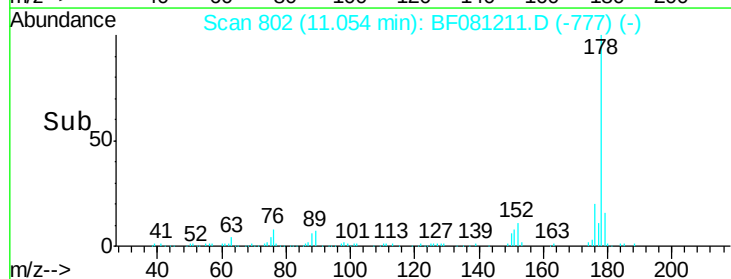
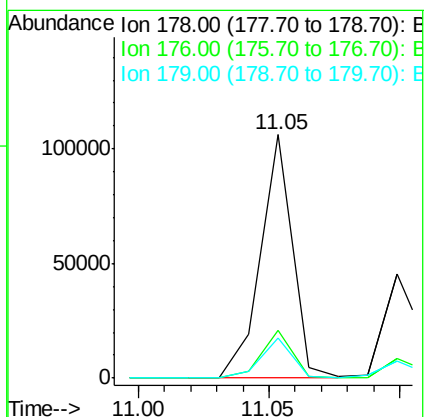
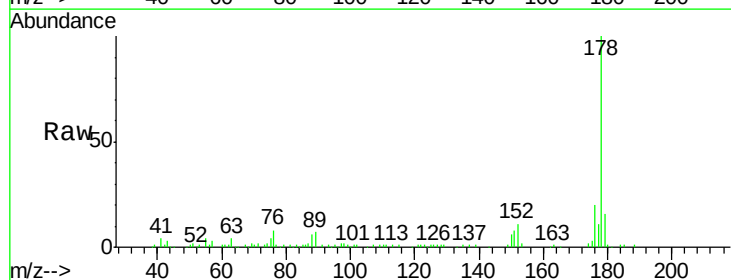
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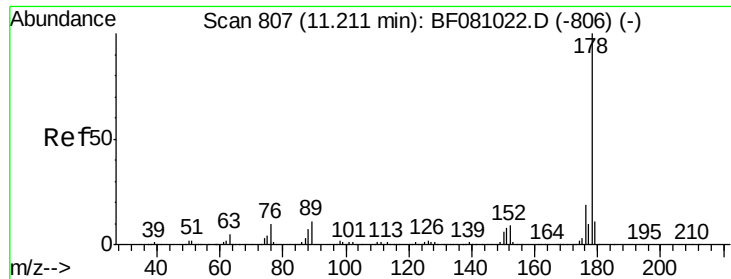
Tgt Ion:188 Resp: 198189
Ion Ratio Lower Upper
188 100
94 8.5 8.2 12.2
80 8.5 9.5 14.3#



#70
Phenanthrene
Concen: 7.60 ng
RT: 11.05 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF081211.D
Acq: 25 Aug 2015 21:39

Tgt Ion:178 Resp: 89285
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 16.2 12.2 18.2

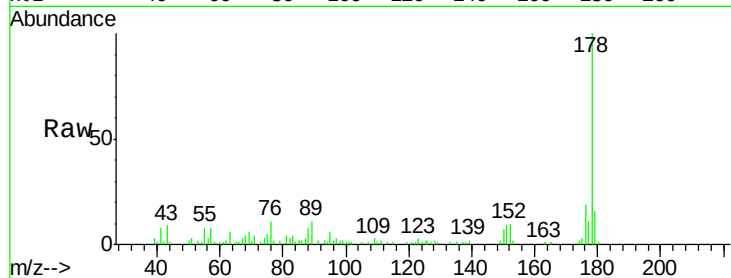




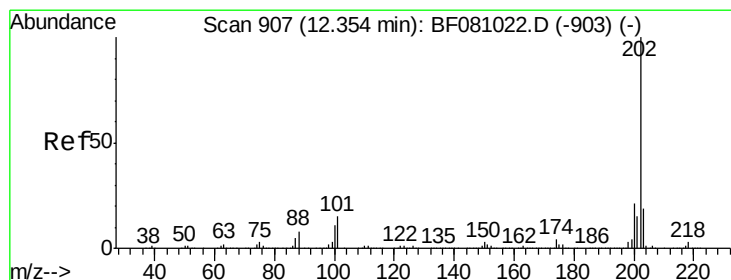
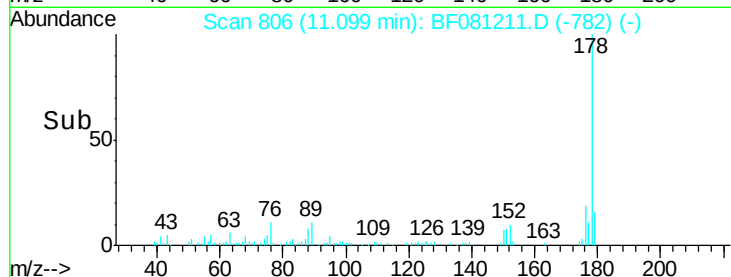
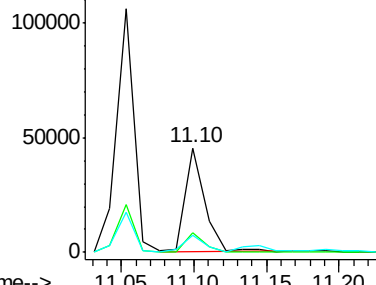
#71
 Anthracene
 Concen: 3.75 ng
 RT: 11.10 min Scan# 806
 Delta R.T. -0.02 min
 Lab File: BF081211.D
 Acq: 25 Aug 2015 21:39

Instrument :
 BNA_F
 ClientSampleId :
 P004-BF002-01

Tgt Ion:178 Resp: 42910
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.7 23.5
 179 16.3 12.7 19.1

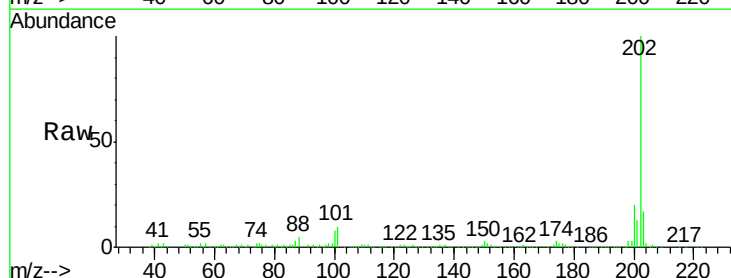


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

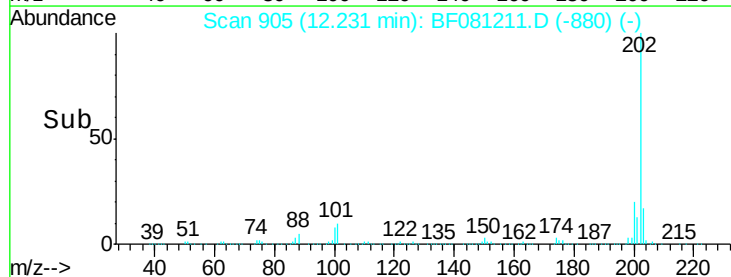
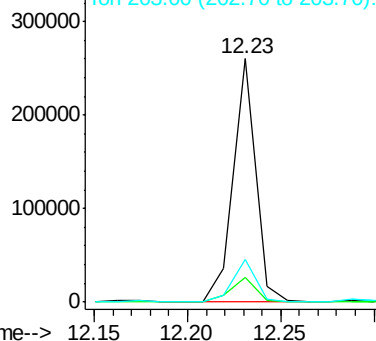


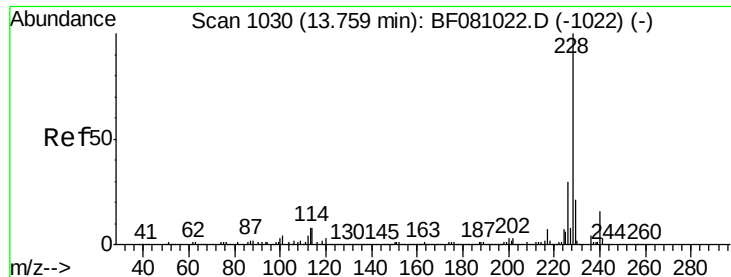
#74
 Fluoranthene
 Concen: 16.97 ng
 RT: 12.23 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF081211.D
 Acq: 25 Aug 2015 21:39

Tgt Ion:202 Resp: 215049
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 24.8
 203 17.3 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: 13.65 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

Instrument :

BNA_F

ClientSampleId :

P004-BF002-01

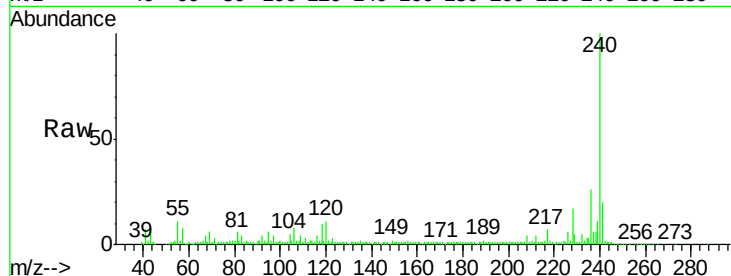
Tgt Ion:240 Resp: 137897

Ion Ratio Lower Upper

240 100

120 11.0 5.6 8.4#

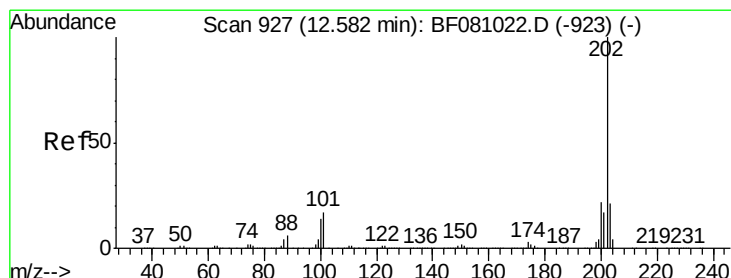
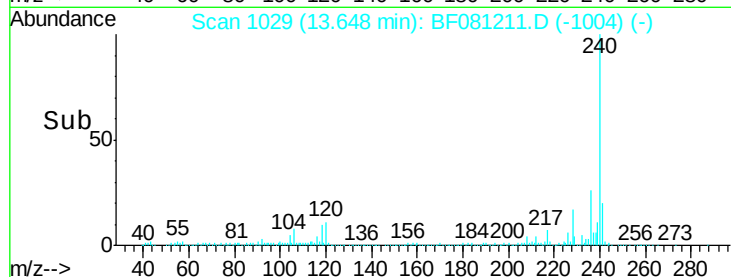
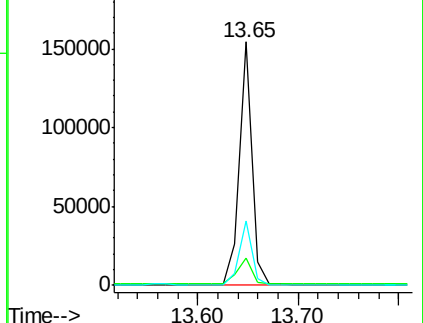
236 26.3 20.6 30.8



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: 18.01 ng

RT: 12.46 min Scan# 925

Delta R.T. -0.01 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

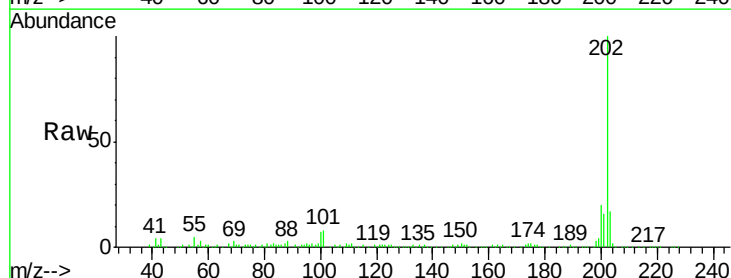
Tgt Ion:202 Resp: 201877

Ion Ratio Lower Upper

202 100

200 19.7 16.6 24.8

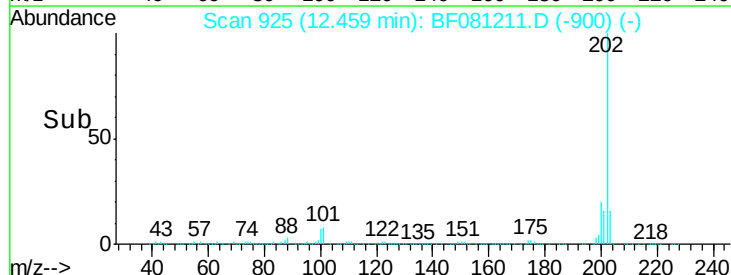
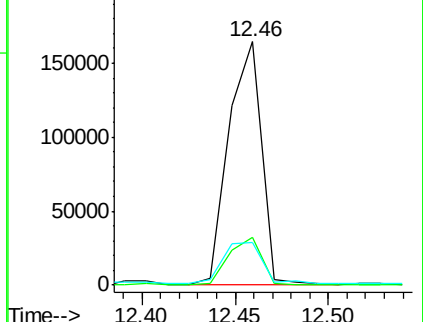
203 17.4 14.1 21.1

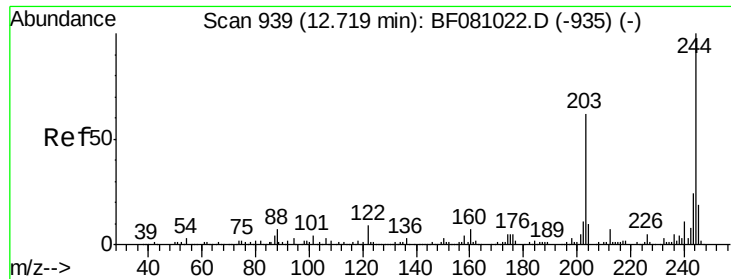


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 82.52 ng

RT: 12.62 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

Instrument :

BNA_F

ClientSampleId :

P004-BF002-01

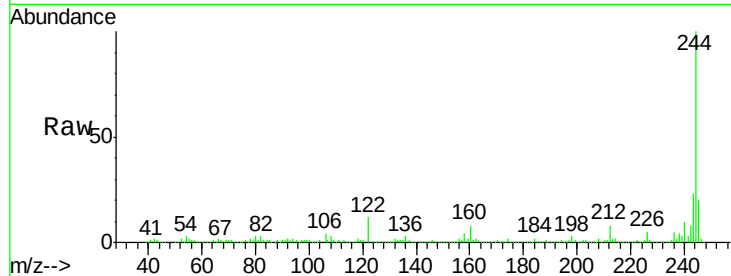
Tgt Ion:244 Resp: 530786

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

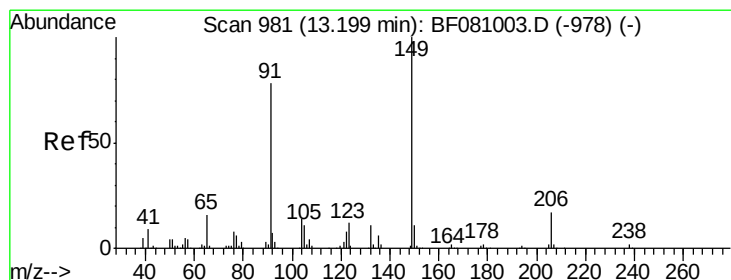
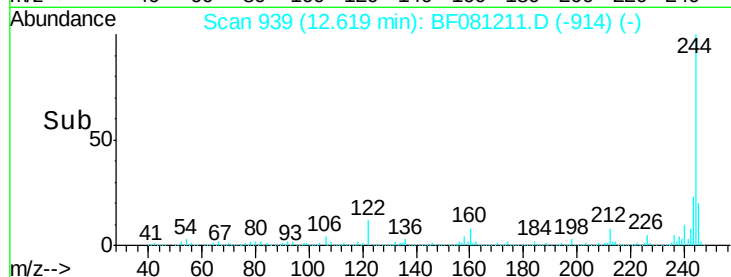
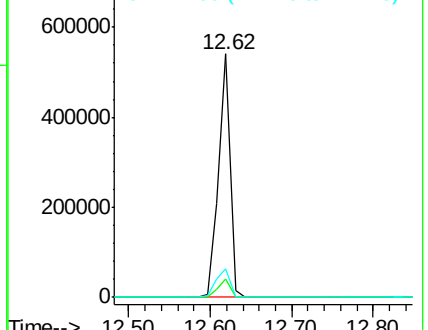
122 11.8 8.2 12.4



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



#79

Butylbenzylphthalate

Concen: 5.02 ng

RT: 13.10 min Scan# 981

Delta R.T. 0.00 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

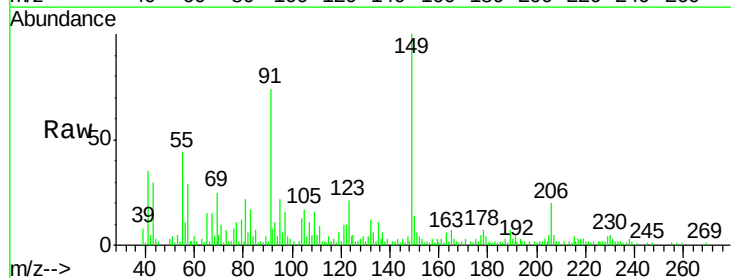
Tgt Ion:149 Resp: 24204

Ion Ratio Lower Upper

149 100

91 74.4 46.9 70.3#

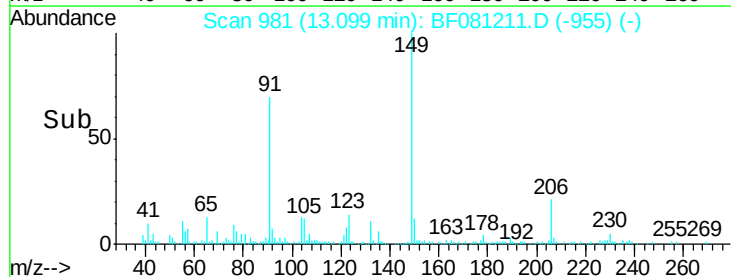
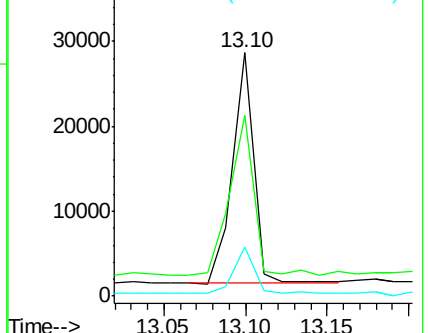
206 20.3 17.0 25.4

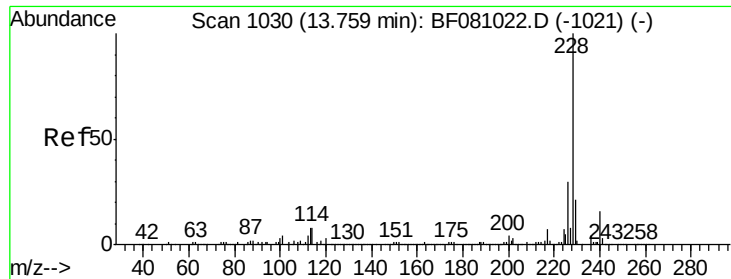


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 10.37 ng m

RT: 13.64 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

Instrument :

BNA_F

ClientSampleId :

P004-BF002-01

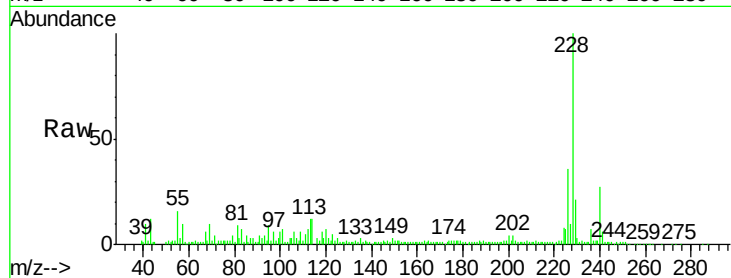
Tgt Ion:228 Resp: 95889

Ion Ratio Lower Upper

228 100

226 35.8 22.3 33.5#

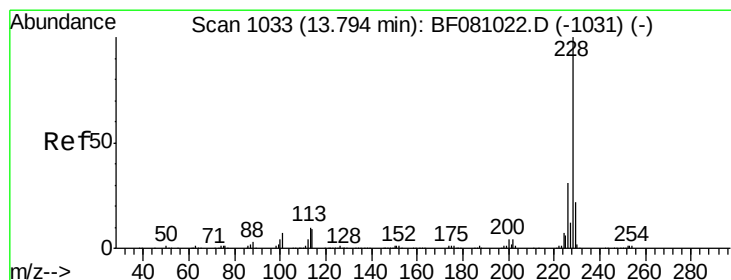
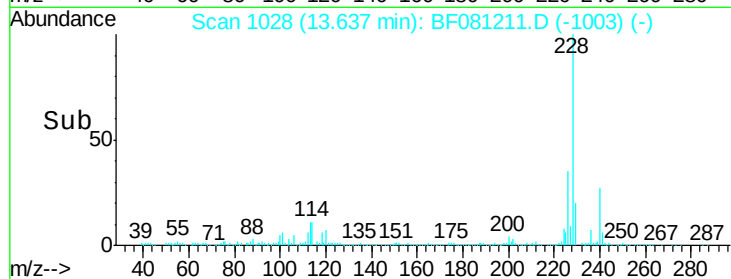
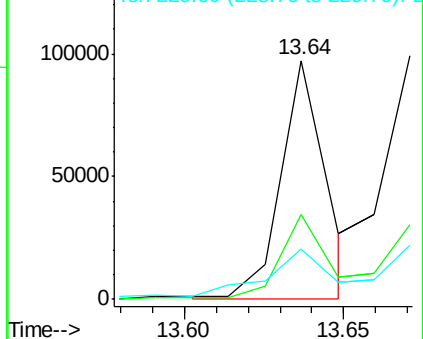
229 21.3 15.9 23.9



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: 12.96 ng m

RT: 13.67 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

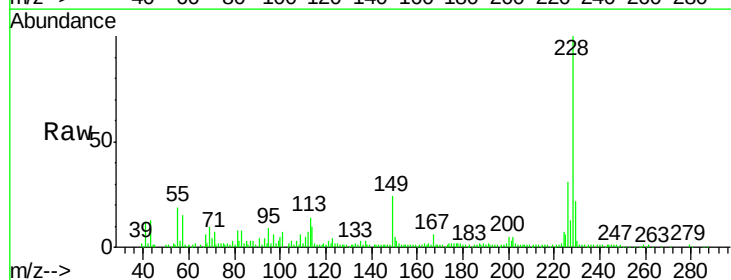
Tgt Ion:228 Resp: 108021

Ion Ratio Lower Upper

228 100

226 30.8 24.4 36.6

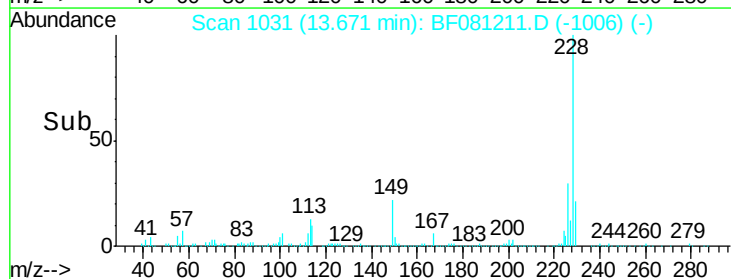
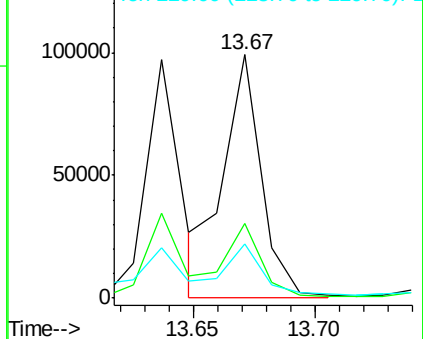
229 22.5 16.0 24.0

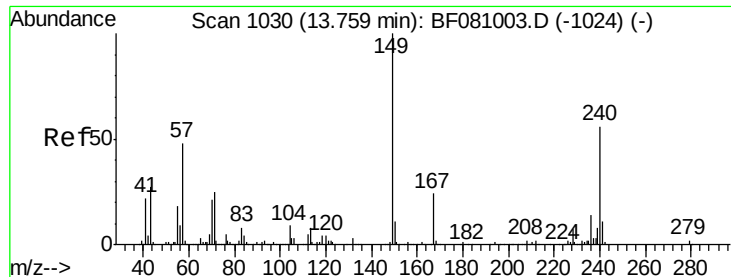


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

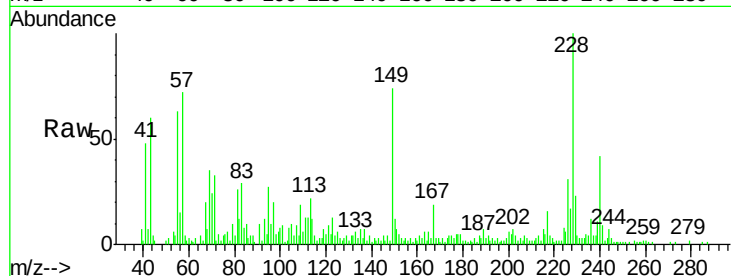




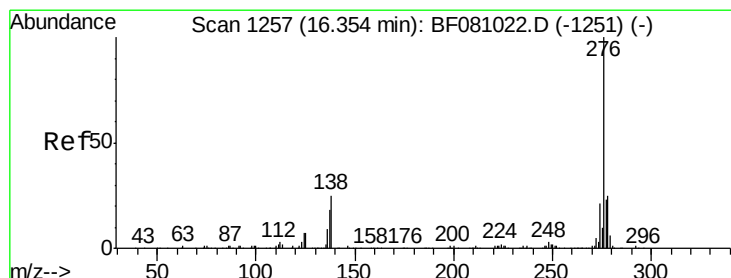
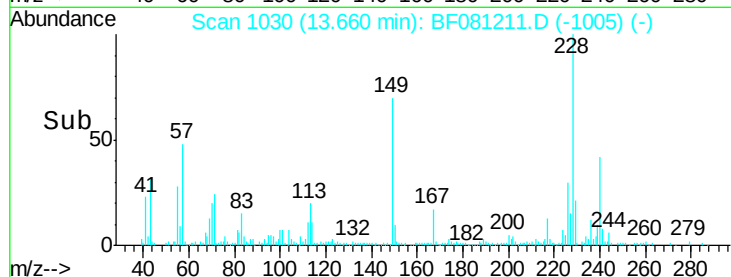
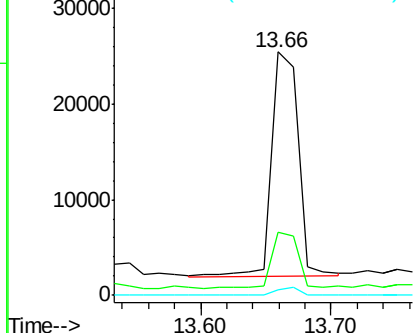
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.41 ng
 RT: 13.66 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: BF081211.D
 Acq: 25 Aug 2015 21:39

Instrument :
 BNA_F
 ClientSampleId :
 P004-BF002-01

Tgt Ion:149 Resp: 33406
 Ion Ratio Lower Upper
 149 100
 167 25.8 20.7 31.1
 279 2.1 2.2 3.4#

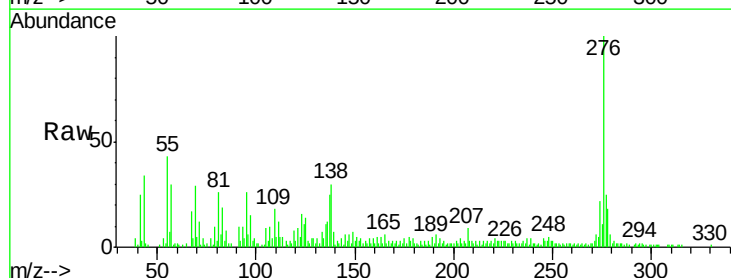


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

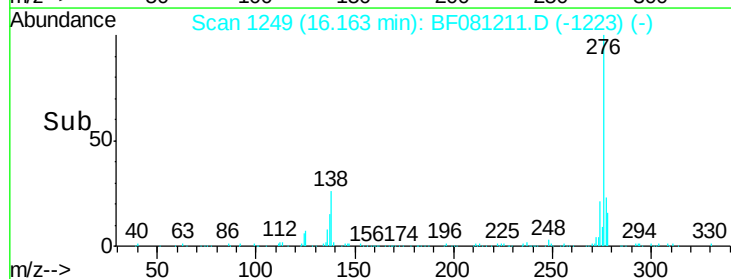
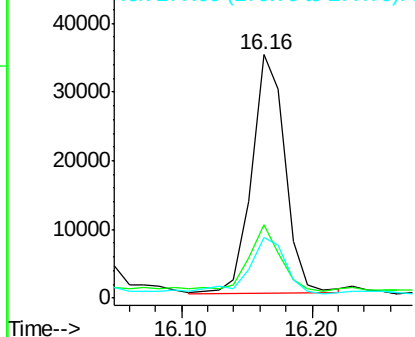


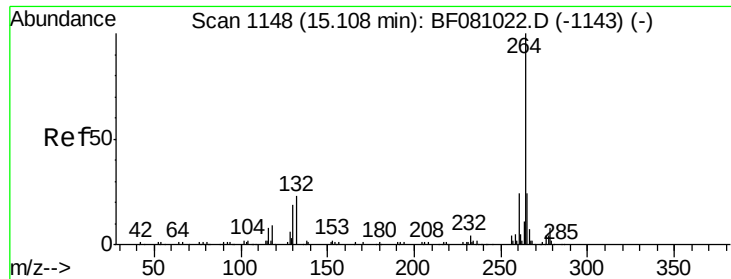
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.55 ng
 RT: 16.16 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: BF081211.D
 Acq: 25 Aug 2015 21:39

Tgt Ion:276 Resp: 61730
 Ion Ratio Lower Upper
 276 100
 138 26.3 18.6 28.0
 277 27.7 19.8 29.8



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 14.99 min Scan# 1146

Delta R.T. 0.00 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

Instrument :

BNA_F

ClientSampleId :

P004-BF002-01

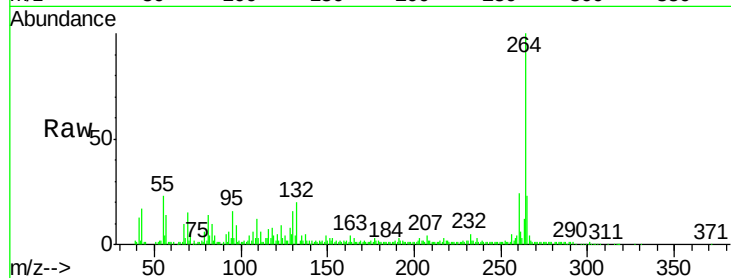
Tgt Ion:264 Resp: 110493

Ion Ratio Lower Upper

264 100

260 24.2 19.6 29.4

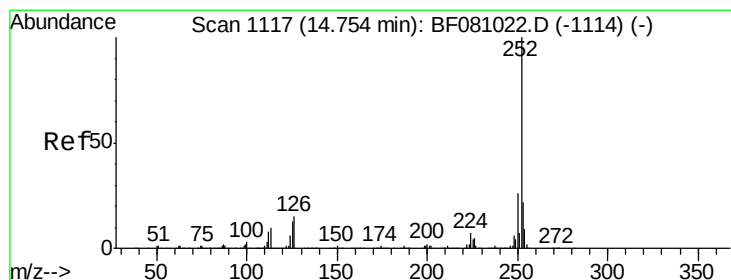
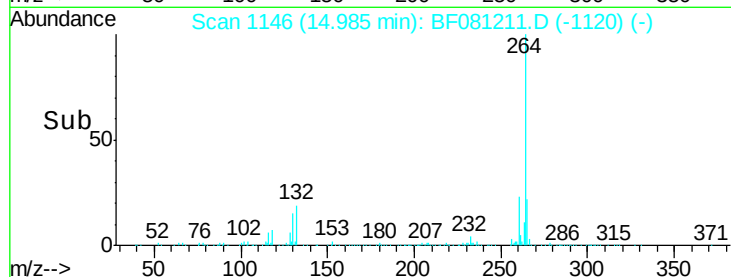
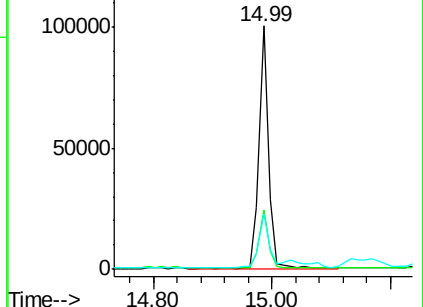
265 22.7 17.5 26.3



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: 16.75 ng m

RT: 14.64 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

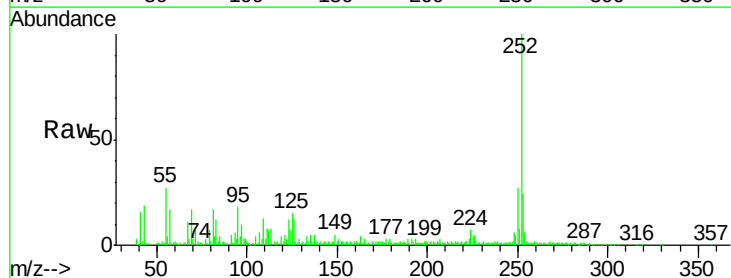
Tgt Ion:252 Resp: 130875

Ion Ratio Lower Upper

252 100

253 24.0 17.1 25.7

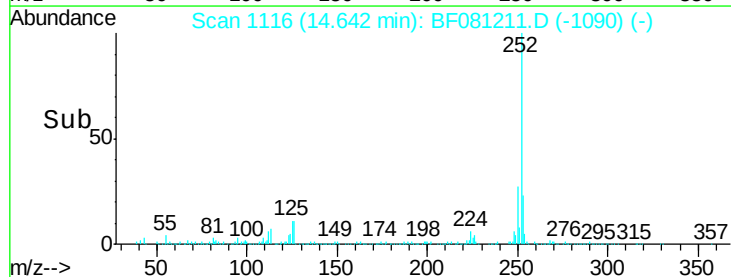
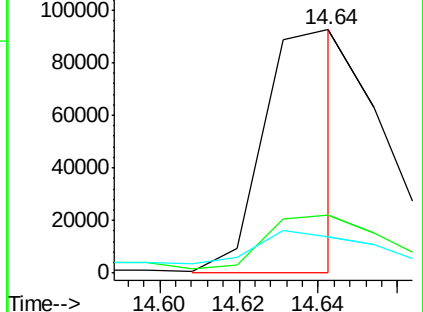
125 14.8 8.0 12.0#

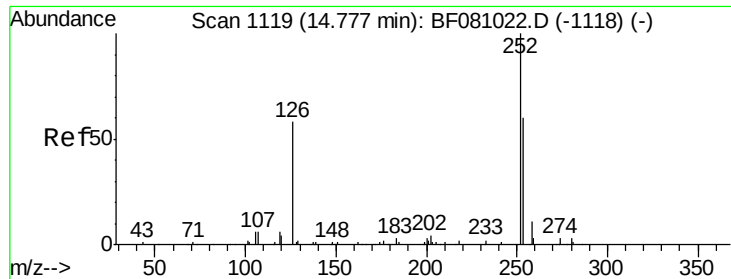


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

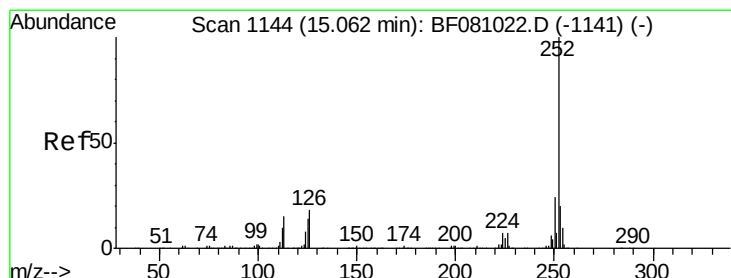
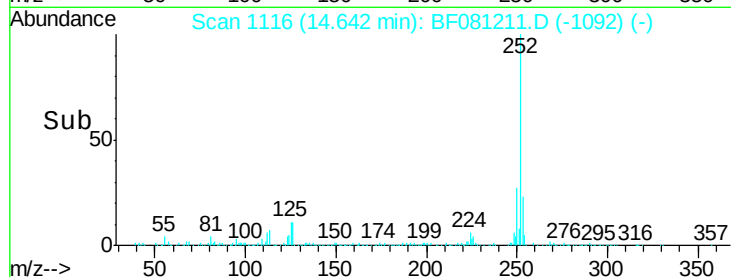
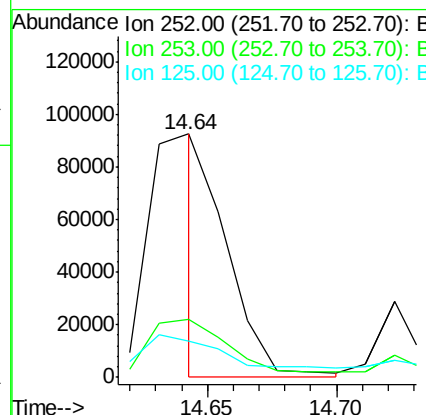
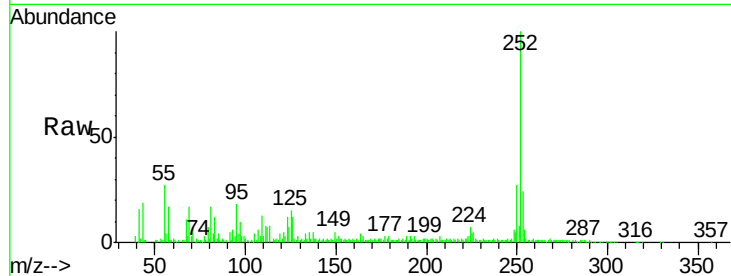




#88
Benzo(k)fluoranthene
Concen: 8.57 ng m
RT: 14.64 min Scan# 1116
Delta R.T. -0.02 min
Lab File: BF081211.D
Acq: 25 Aug 2015 21:39

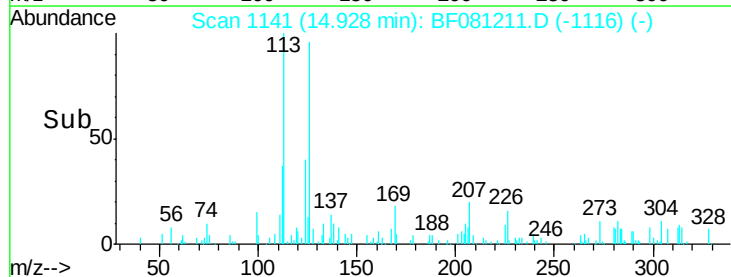
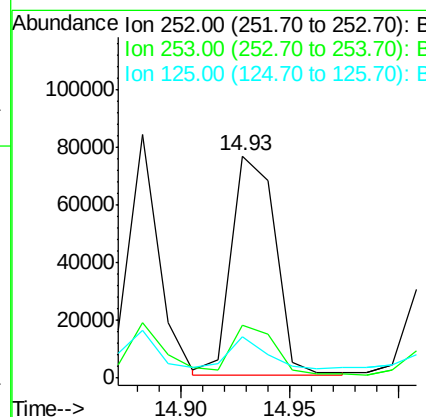
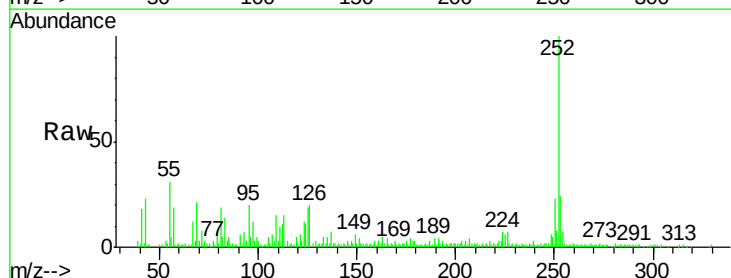
Instrument :
BNA_F
ClientSampleId :
P004-BF002-01

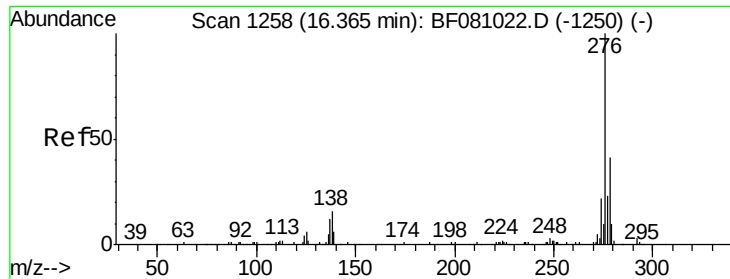
Tgt Ion:252 Resp: 62418
Ion Ratio Lower Upper
252 100
253 24.0 17.6 26.4
125 14.8 10.3 15.5



#89
Benzo(a)pyrene
Concen: 15.64 ng
RT: 14.93 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF081211.D
Acq: 25 Aug 2015 21:39

Tgt Ion:252 Resp: 106524
Ion Ratio Lower Upper
252 100
253 23.8 16.6 25.0
125 18.5 7.8 11.8#





#90

Dibenzo(a,h)anthracene

Concen: 3.76 ng

RT: 16.17 min Scan# 1250

Delta R.T. -0.01 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

Instrument :

BNA_F

ClientSampleId :

P004-BF002-01

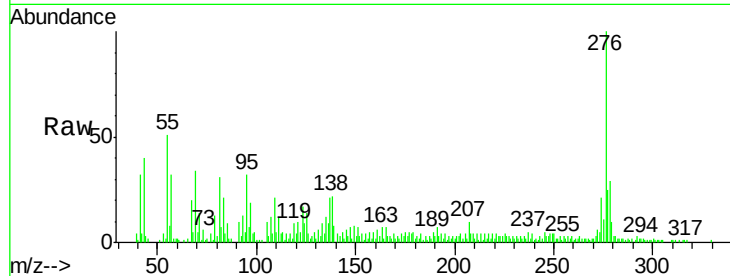
Tgt Ion:278 Resp: 19942

Ion Ratio Lower Upper

278 100

139 29.3 10.8 16.2#

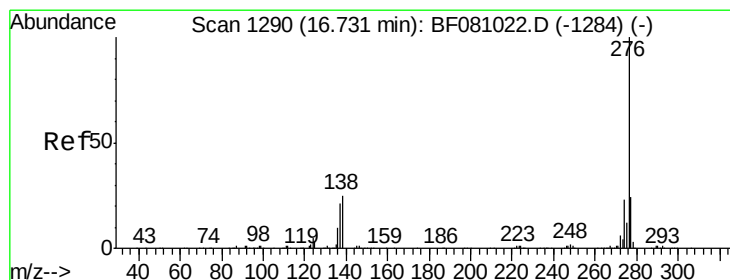
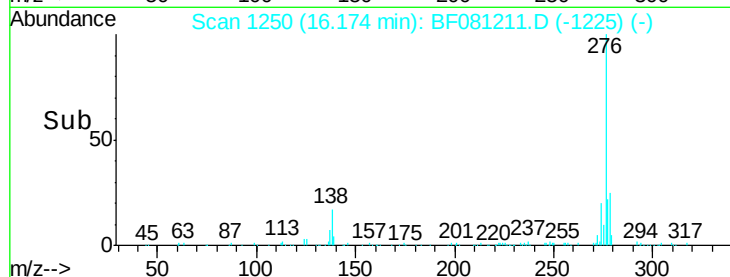
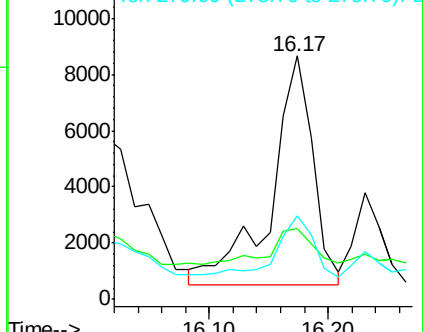
279 34.1 19.0 28.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 12.52 ng

RT: 16.52 min Scan# 1280

Delta R.T. 0.00 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

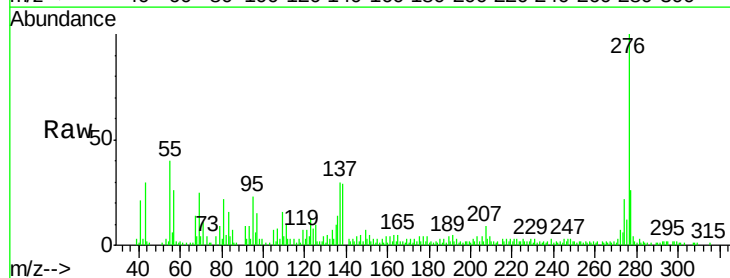
Tgt Ion:276 Resp: 67417

Ion Ratio Lower Upper

276 100

277 25.7 18.2 27.2

138 28.6 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

