

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091415\
 Data File : BF081623.D
 Acq On : 15 Sep 2015 2:45
 Operator : UM/IZ
 Sample : G3597-15 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-15(0-5)

Quant Time: Sep 15 04:55:13 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 14 13:51:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	46991	20.00	ng	0.00
21) Naphthalene-d8	11.13	136	184447	20.00	ng	0.00
38) Acenaphthene-d10	15.27	164	79239	20.00	ng	0.00
63) Phenanthrene-d10	18.78	188	133735	20.00	ng	0.01
75) Chrysene-d12	23.40	240	97035	20.00	ng	0.00
86) Perylene-d12	24.84	264	63971	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	47767	15.77	ng	0.01
7) Phenol-d6	7.65	99	71234	17.77	ng	-0.01
23) Nitrobenzene-d5	9.52	82	43798	11.46	ng	-0.02
41) 2,4,6-Tribromophenol	17.17	330	8388	11.89	ng	-0.01
44) 2-Fluorobiphenyl	13.77	172	77835	12.59	ng	-0.01
78) Terphenyl-d14	22.12	244	45305	10.87	ng	0.00

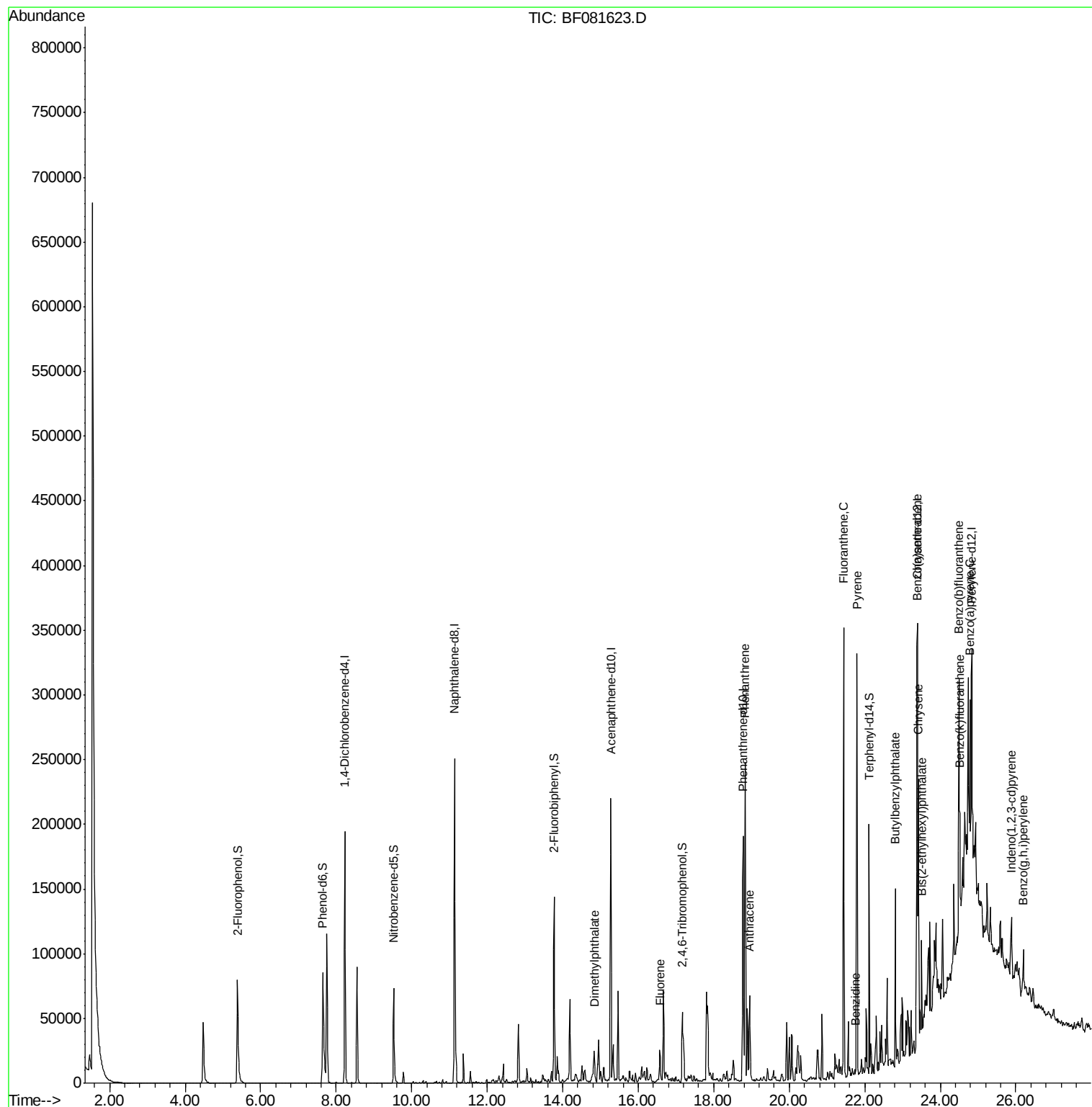
Target Compounds						Qvalue
49) Dimethylphthalate	14.84	163	15354	2.49	ng	# 93
57) Fluorene	16.57	166	13756	2.34	ng	# 91
70) Phenanthrene	18.82	178	182216	24.51	ng	98
71) Anthracene	18.95	178	35472	4.64	ng	97
74) Fluoranthene	21.44	202	193799	24.08	ng	89
76) Benzydine	21.76	184	9396	2.26	ng	# 91
77) Pyrene	21.80	202	198501	27.62	ng	# 95
79) Butylbenzylphthalate	22.81	149	7683	2.46	ng	# 59
80) Benzo(a)anthracene	23.38	228	95726	15.49	ng	98
82) Chrysene	23.42	228	74689	13.48	ng	92
83) Bis(2-ethylhexyl)phthalate	23.50	149	15149	3.67	ng	# 90
85) Indeno(1,2,3-cd)pyrene	25.89	276	24782	6.10	ng	# 77
87) Benzo(b)fluoranthene	24.49	252	85516m	18.72	ng	
88) Benzo(k)fluoranthene	24.52	252	27547m	7.27	ng	
89) Benzo(a)pyrene	24.78	252	52009	13.44	ng	# 89
91) Benzo(g,h,i)perylene	26.20	276	21806	7.64	ng	# 73

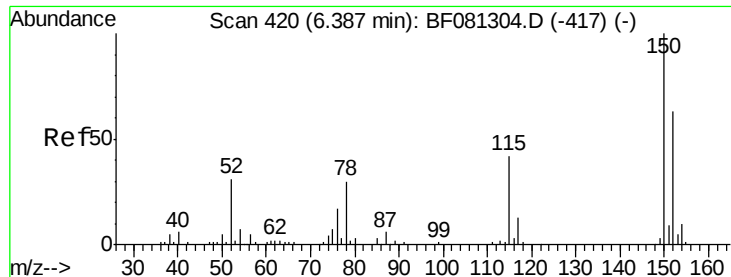
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091415\
Data File : BF081623.D
Acq On : 15 Sep 2015 2:45
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Misc :
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GP-15(0-5)

Quant Time: Sep 15 04:55:13 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 14 13:51:56 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.23 min Scan# 603

Delta R.T. 0.00 min

Lab File: BF081623.D

Acq: 15 Sep 2015 2:45

Instrument :

BNA_F

ClientSampleId :

GP-15(0-5)

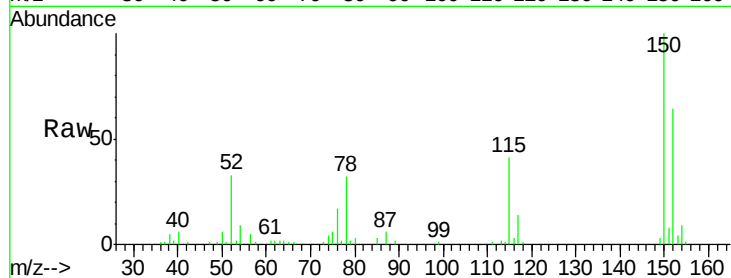
Tgt Ion:152 Resp: 46991

Ion Ratio Lower Upper

152 100

150 157.1 124.7 187.1

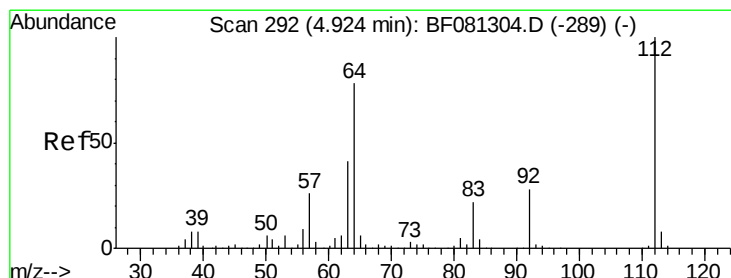
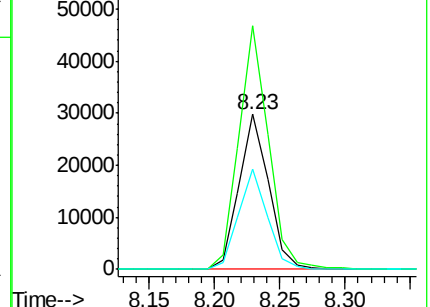
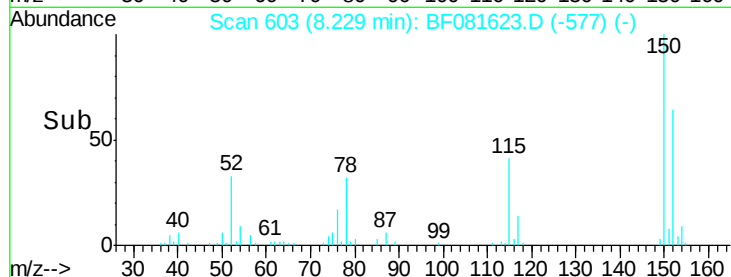
115 64.4 39.0 58.4#



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: 15.77 ng

RT: 5.38 min Scan# 354

Delta R.T. 0.01 min

Lab File: BF081623.D

Acq: 15 Sep 2015 2:45

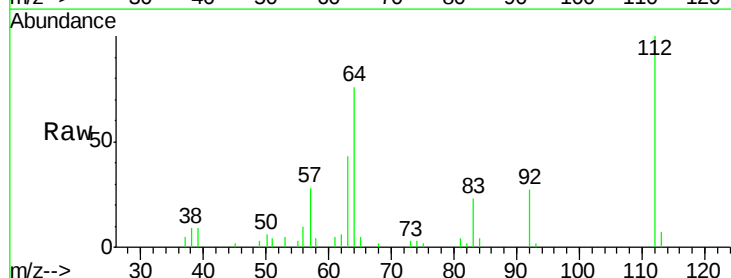
Tgt Ion:112 Resp: 47767

Ion Ratio Lower Upper

112 100

64 76.5 39.7 59.5#

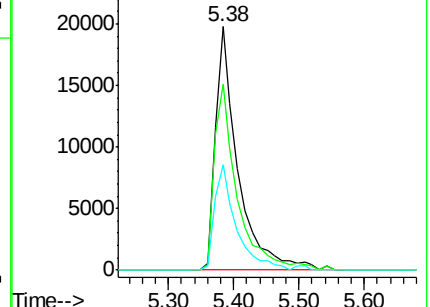
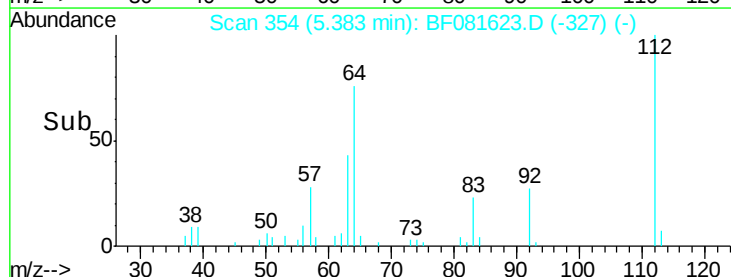
63 43.3 17.4 26.0#

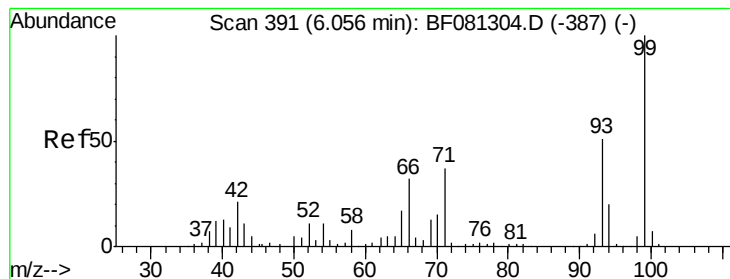


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 17.77 ng

RT: 7.65 min Scan# 552

Delta R.T. -0.01 min

Lab File: BF081623.D

Acq: 15 Sep 2015 2:45

Instrument :

BNA_F

ClientSampleId :

GP-15(0-5)

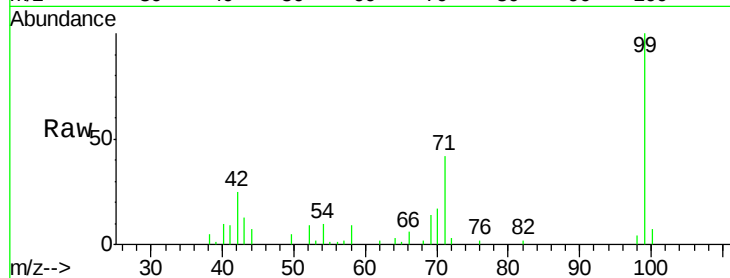
Tgt Ion: 99 Resp: 71234

Ion Ratio Lower Upper

99 100

42 24.9 13.7 20.5#

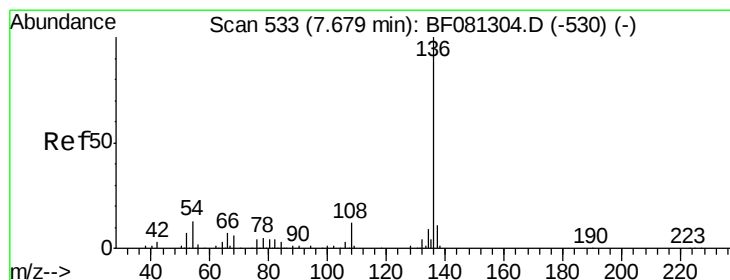
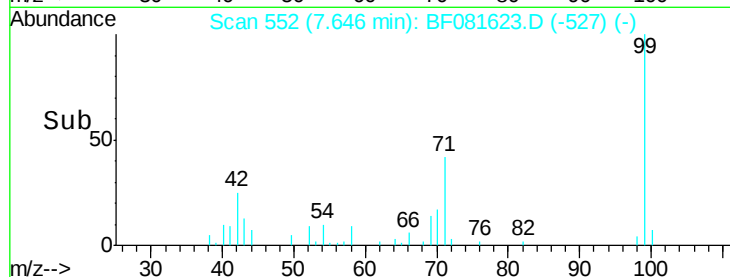
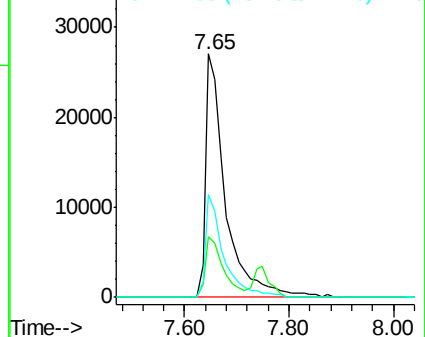
71 42.4 14.2 21.2#



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: 11.13 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF081623.D

Acq: 15 Sep 2015 2:45

Tgt Ion: 136 Resp: 184447

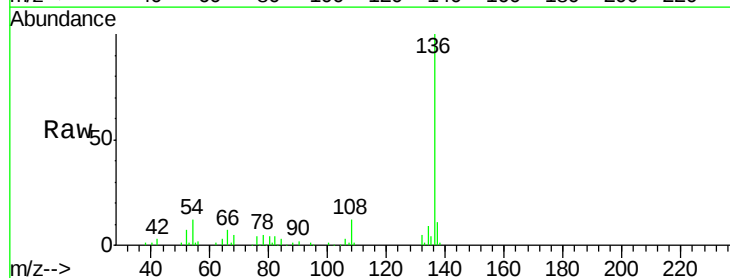
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 12.4 8.2 12.2#

68 4.9 5.8 8.6#

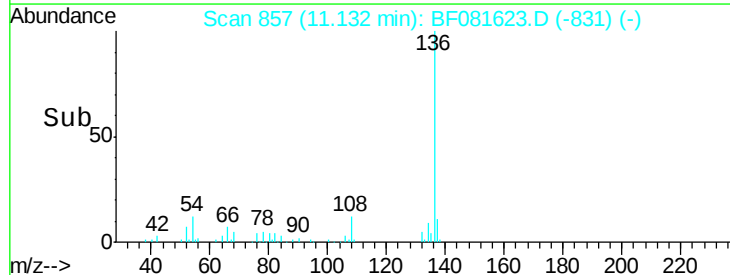
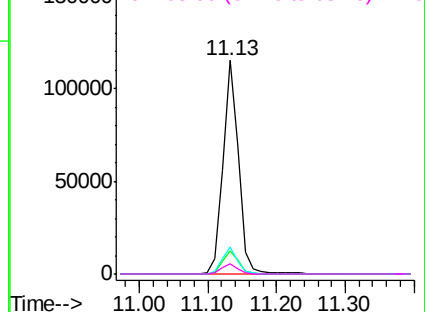


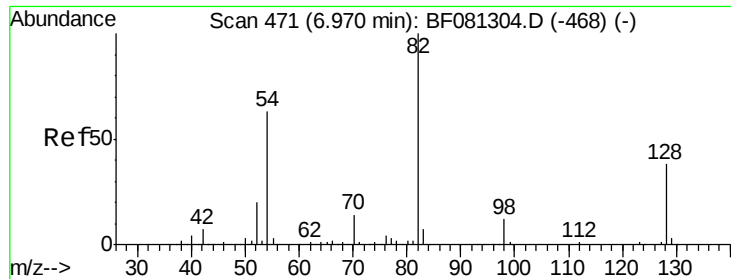
Abundance Ion 136.00 (135.70 to 136.70): E

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

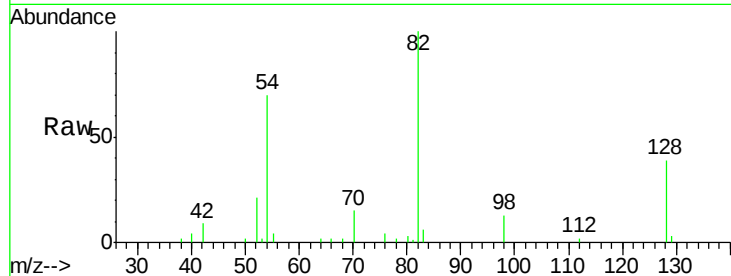




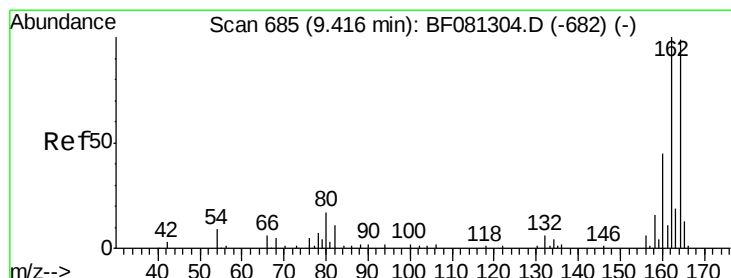
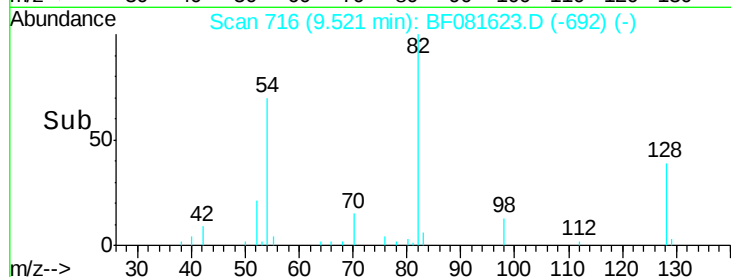
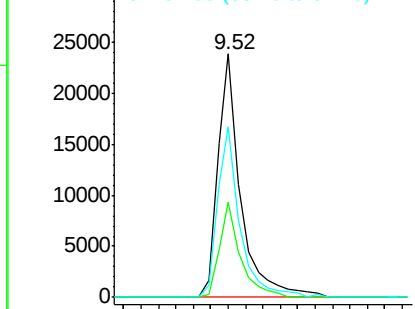
#23
 Nitrobenzene-d5
 Concen: 11.46 ng
 RT: 9.52 min Scan# 716
 Delta R.T. -0.02 min
 Lab File: BF081623.D
 Acq: 15 Sep 2015 2:45

Instrument :
 BNA_F
 ClientSampleId :
 GP-15(0-5)

Tgt Ion: 82 Resp: 43798
 Ion Ratio Lower Upper
 82 100
 128 38.9 51.0 76.6#
 54 70.0 47.5 71.3

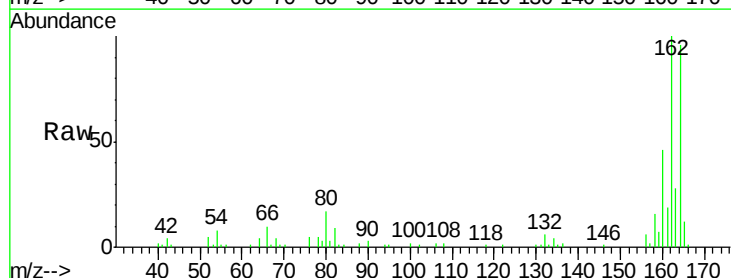


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

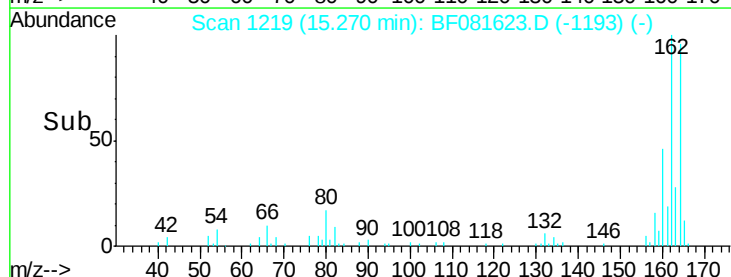
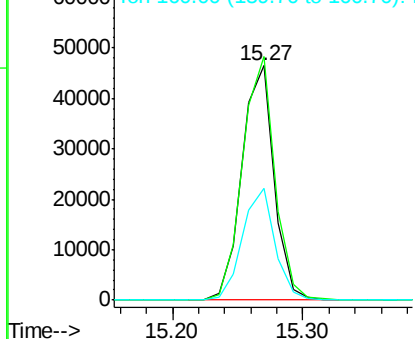


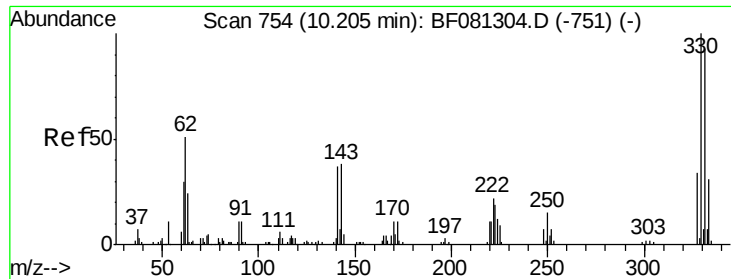
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.27 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: BF081623.D
 Acq: 15 Sep 2015 2:45

Tgt Ion: 164 Resp: 79239
 Ion Ratio Lower Upper
 164 100
 162 103.9 75.2 112.8
 160 47.8 31.5 47.3#



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

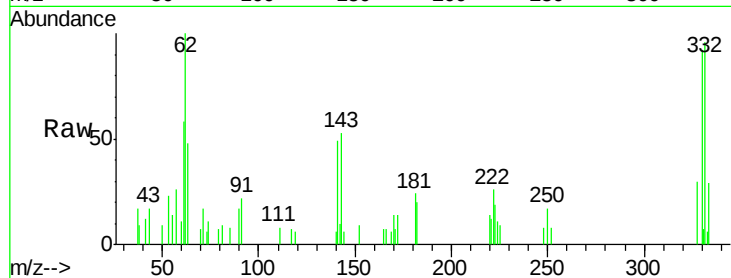




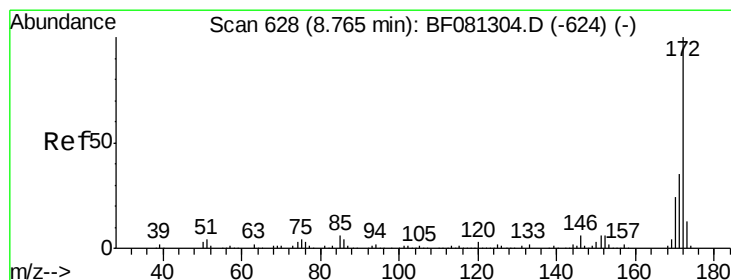
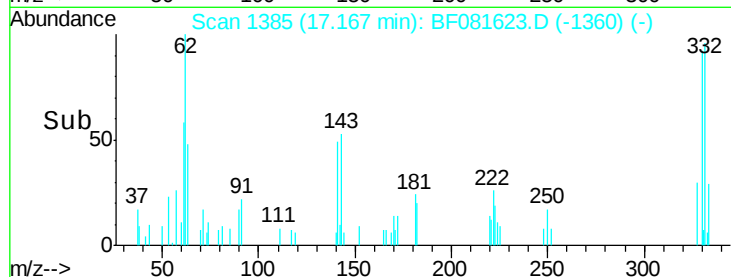
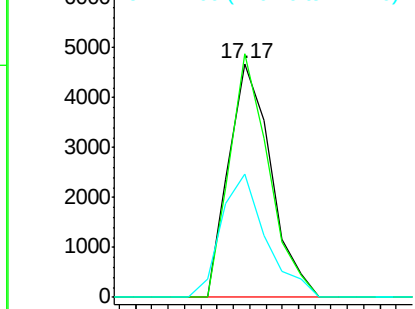
#41
 2,4,6-Tribromophenol
 Concen: 11.89 ng
 RT: 17.17 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BF081623.D
 Acq: 15 Sep 2015 2:45

Instrument :
 BNA_F
 ClientSampleId :
 GP-15(0-5)

Tgt Ion:330 Resp: 8388
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 114.8
 141 56.0 29.7 44.5#

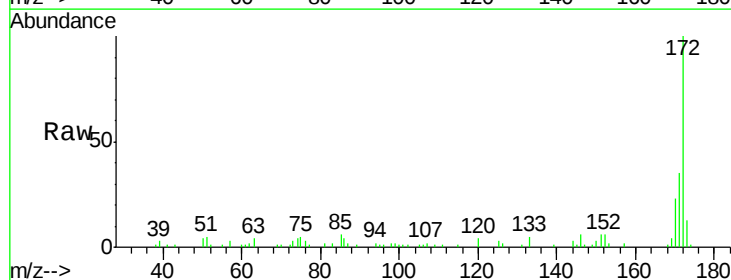


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

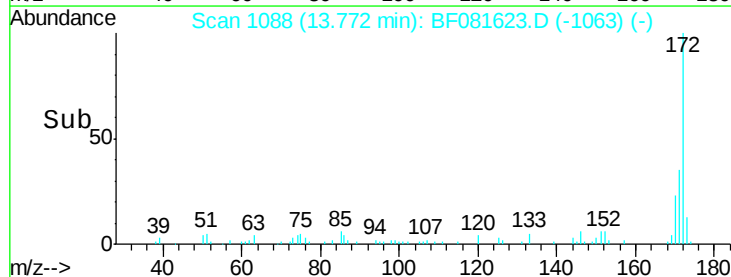
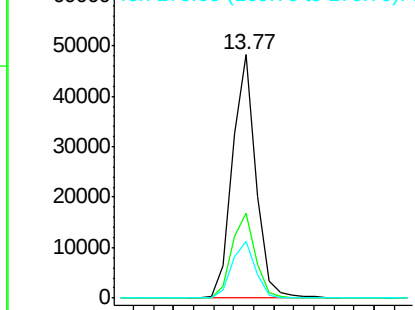


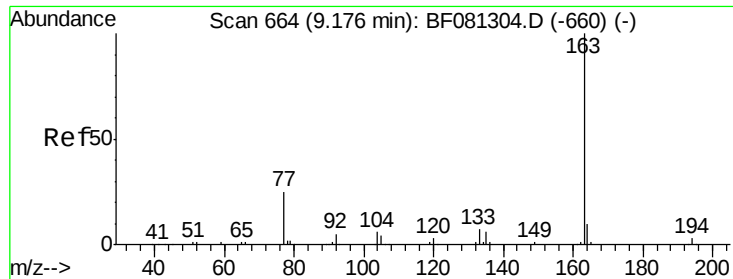
#44
 2-Fluorobiphenyl
 Concen: 12.59 ng
 RT: 13.77 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BF081623.D
 Acq: 15 Sep 2015 2:45

Tgt Ion:172 Resp: 77835
 Ion Ratio Lower Upper
 172 100
 171 35.0 26.1 39.1
 170 23.2 17.4 26.2



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: 2.49 ng

RT: 14.84 min Scan# 1181

Delta R.T. -0.03 min

Lab File: BF081623.D

Acq: 15 Sep 2015 2:45

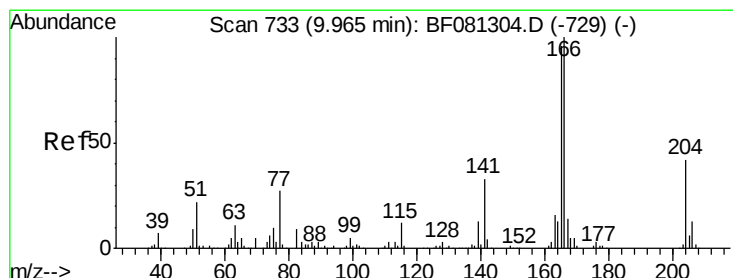
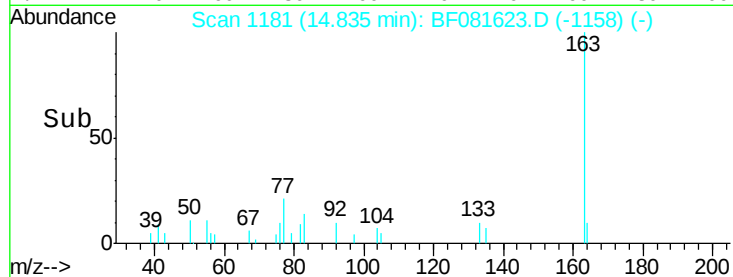
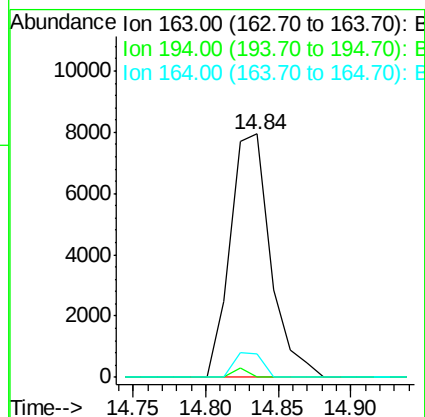
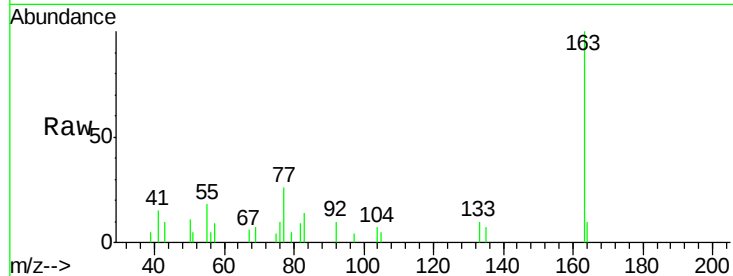
Instrument :

BNA_F

ClientSampleId :

GP-15(0-5)

Tgt Ion:163	Resp:	15354
Ion Ratio	Lower	Upper
163	100	
194	0.0	4.4 6.6#
164	9.6	8.3 12.5



#57

Fluorene

Concen: 2.34 ng

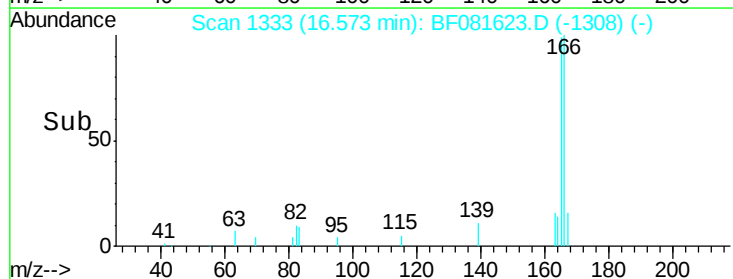
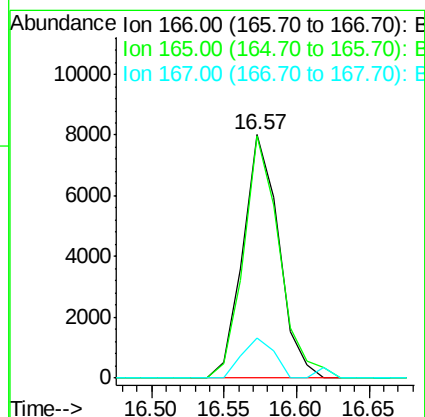
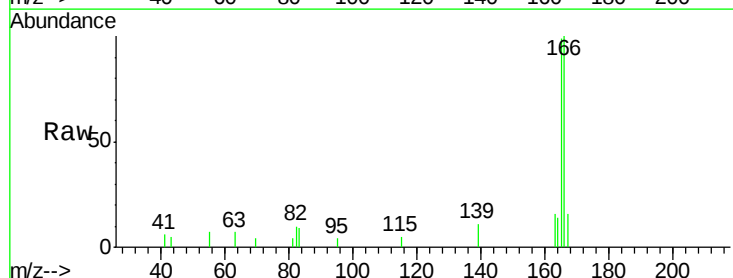
RT: 16.57 min Scan# 1333

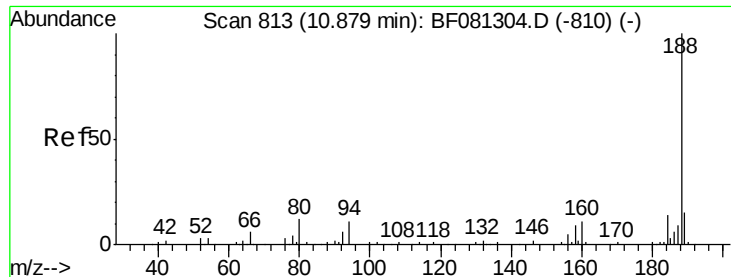
Delta R.T. -0.01 min

Lab File: BF081623.D

Acq: 15 Sep 2015 2:45

Tgt Ion:166	Resp:	13756
Ion Ratio	Lower	Upper
166	100	
165	99.5	72.6 109.0
167	16.4	10.6 16.0#

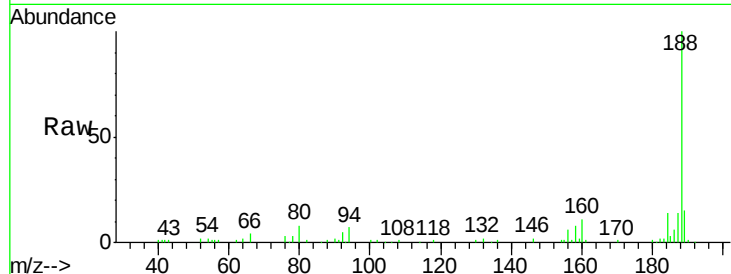




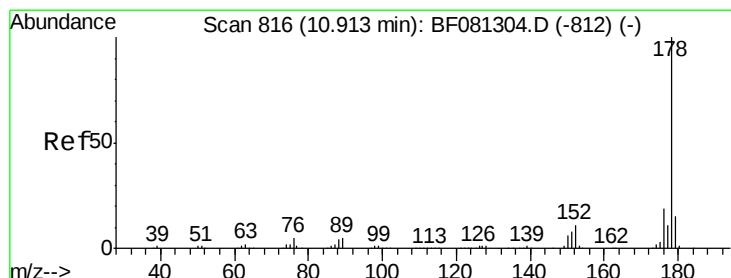
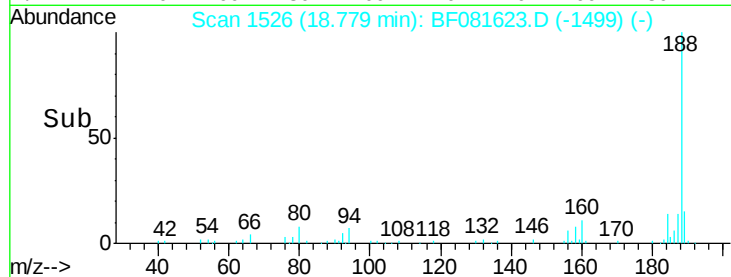
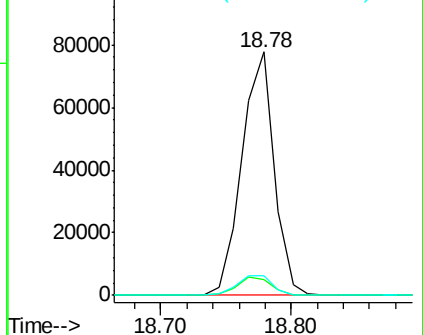
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.78 min Scan# 1526
 Delta R.T. 0.01 min
 Lab File: BF081623.D
 Acq: 15 Sep 2015 2:45

Instrument :
 BNA_F
 ClientSampleId :
 GP-15(0-5)

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.6	11.1	16.7#
80	8.0	11.0	16.4#

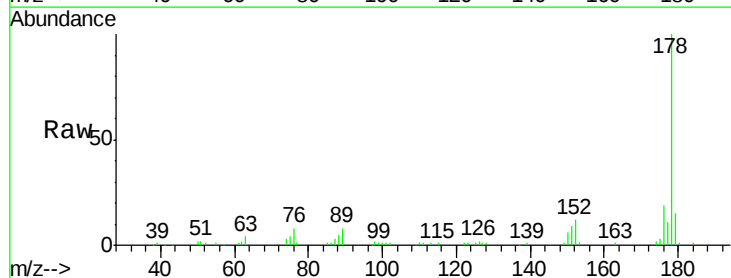


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

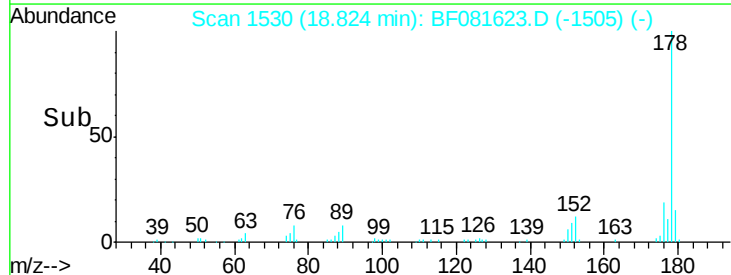
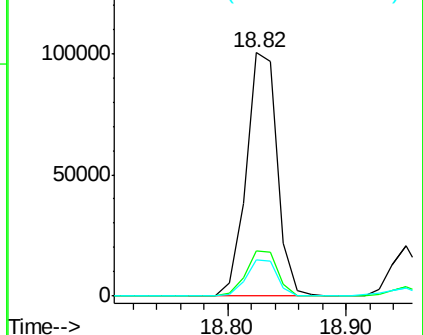


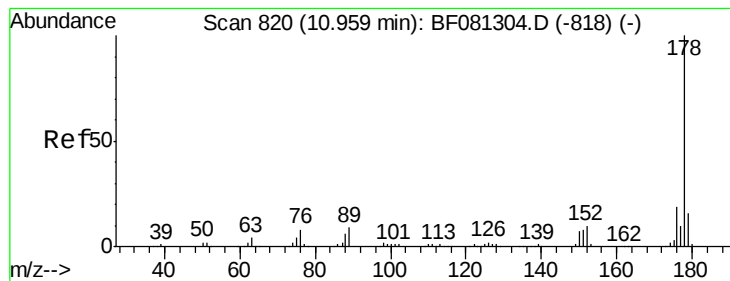
#70
 Phenanthrene
 Concen: 24.51 ng
 RT: 18.82 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: BF081623.D
 Acq: 15 Sep 2015 2:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	13.8	20.8
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





#71

Anthracene

Concen: 4.64 ng

RT: 18.95 min Scan# 1541

Delta R.T. 0.00 min

Lab File: BF081623.D

Acq: 15 Sep 2015 2:45

Instrument :

BNA_F

ClientSampleId :

GP-15(0-5)

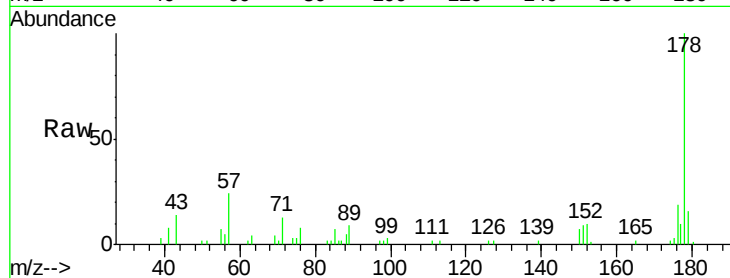
Tgt Ion:178 Resp: 35472

Ion Ratio Lower Upper

178 100

176 19.4 14.1 21.1

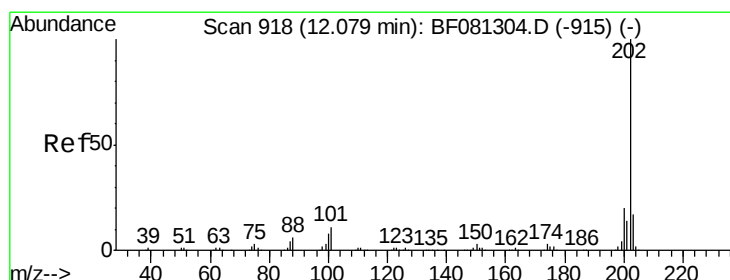
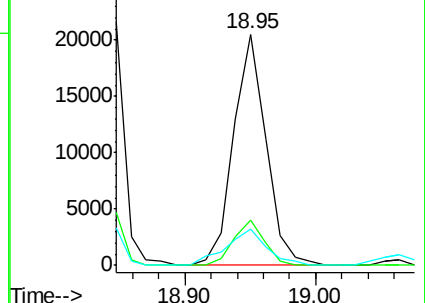
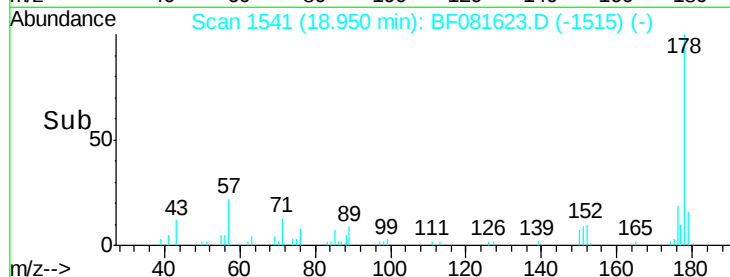
179 15.9 12.2 18.2



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: 24.08 ng

RT: 21.44 min Scan# 1759

Delta R.T. 0.00 min

Lab File: BF081623.D

Acq: 15 Sep 2015 2:45

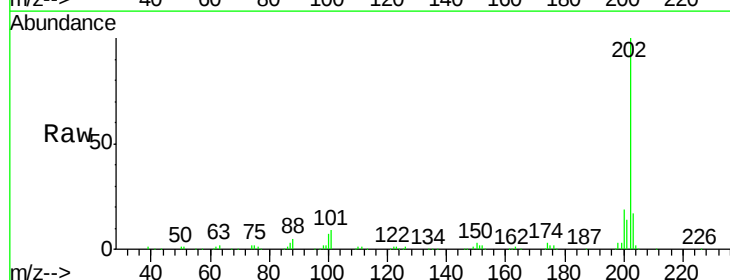
Tgt Ion:202 Resp: 193799

Ion Ratio Lower Upper

202 100

101 8.8 0.0 38.3

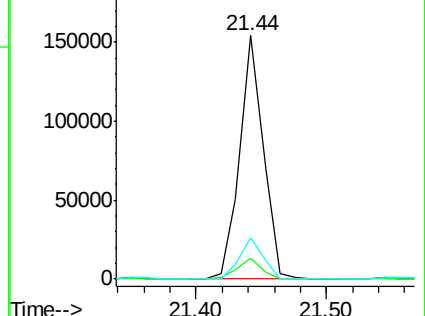
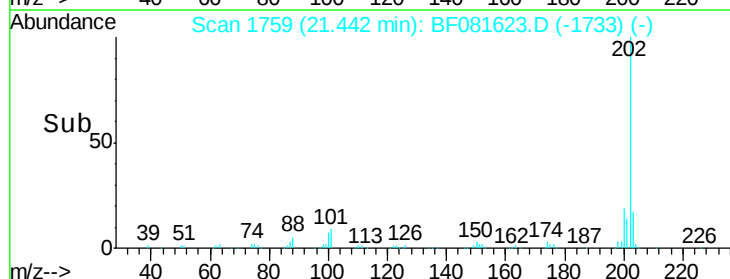
203 17.0 0.0 37.3

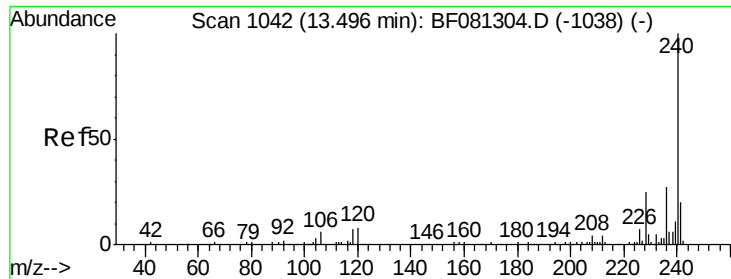


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

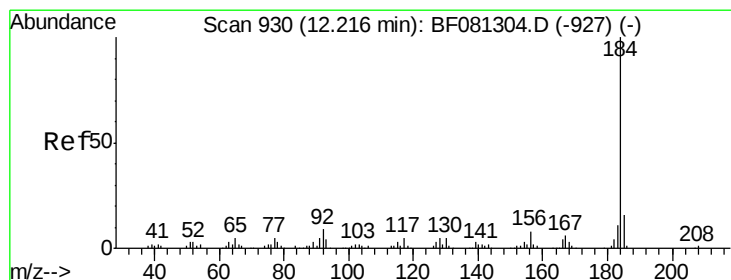
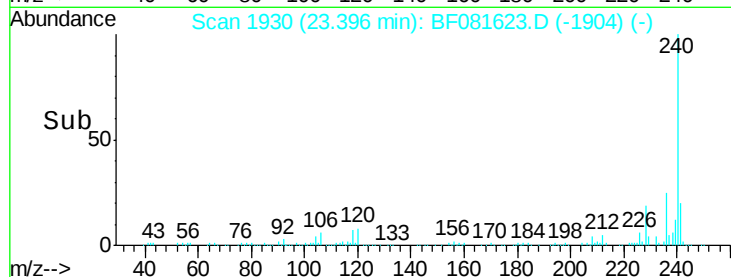
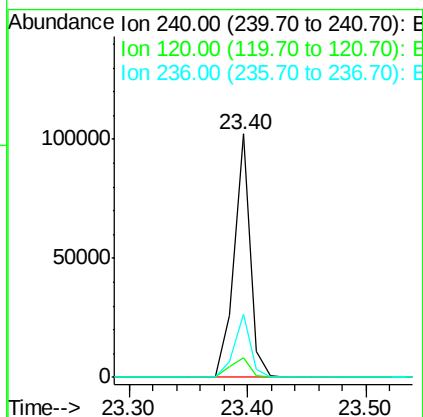
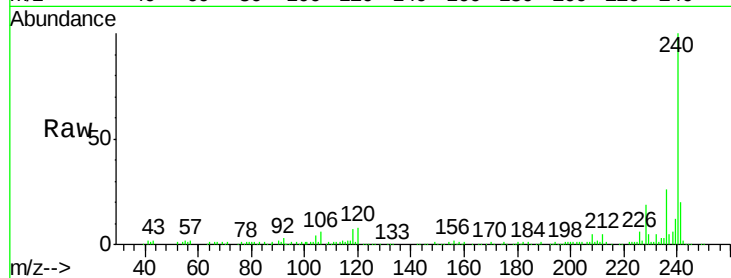




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 23.40 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: BF081623.D
 Acq: 15 Sep 2015 2:45

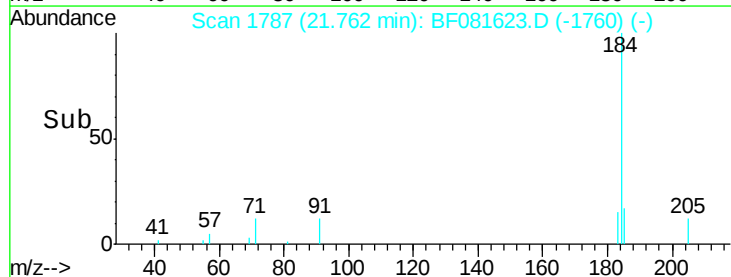
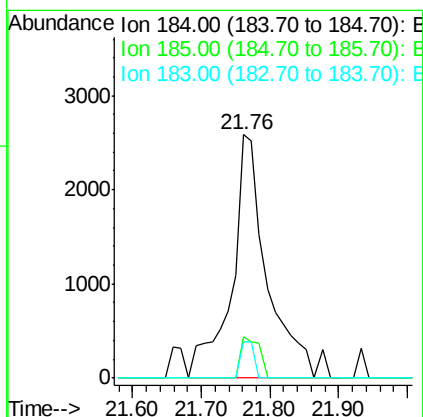
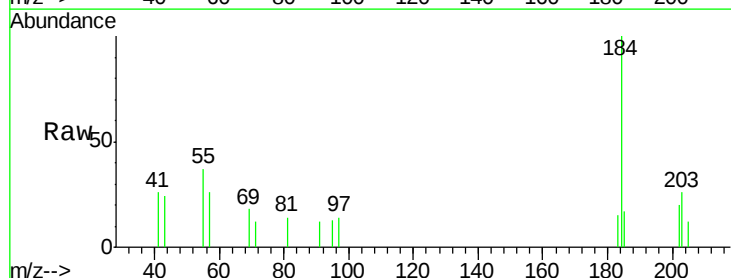
Instrument :
 BNA_F
 ClientSampleId :
 GP-15(0-5)

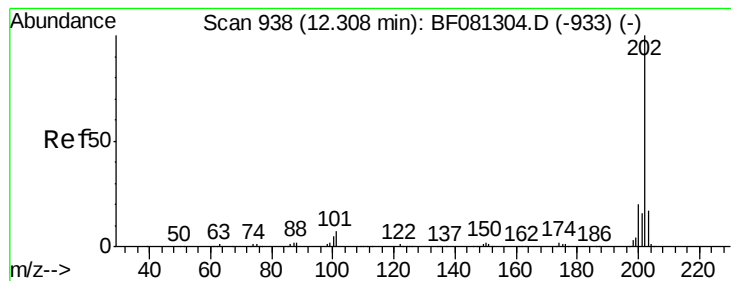
Tgt Ion:240 Resp: 97035
 Ion Ratio Lower Upper
 240 100
 120 8.1 16.2 24.2#
 236 26.0 18.4 27.6



#76
 Benzidine
 Concen: 2.26 ng
 RT: 21.76 min Scan# 1787
 Delta R.T. 0.01 min
 Lab File: BF081623.D
 Acq: 15 Sep 2015 2:45

Tgt Ion:184 Resp: 9396
 Ion Ratio Lower Upper
 184 100
 185 17.0 11.8 17.6
 183 14.8 7.6 11.4#





#77

Pyrene

Concen: 27.62 ng

RT: 21.80 min Scan# 1790

Delta R.T. 0.01 min

Lab File: BF081623.D

Acq: 15 Sep 2015 2:45

Instrument :

BNA_F

ClientSampleId :

GP-15(0-5)

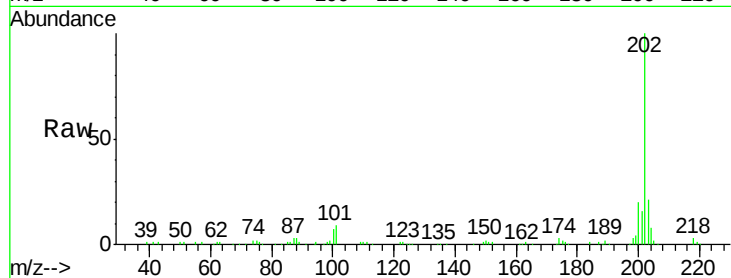
Tgt Ion: 202 Resp: 198501

Ion Ratio Lower Upper

202 100

200 19.8 15.0 22.4

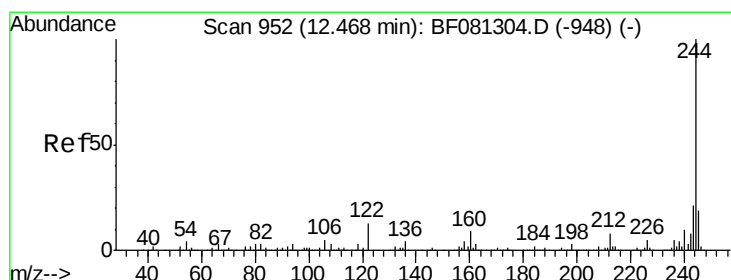
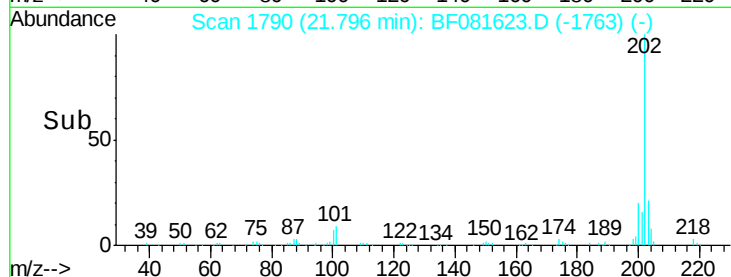
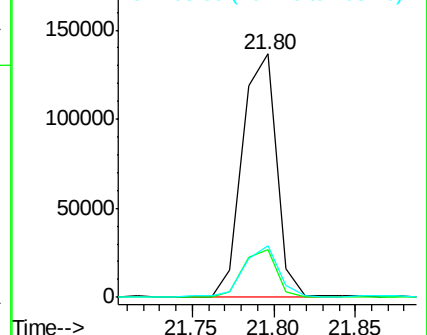
203 21.2 14.1 21.1#



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: 10.87 ng

RT: 22.12 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF081623.D

Acq: 15 Sep 2015 2:45

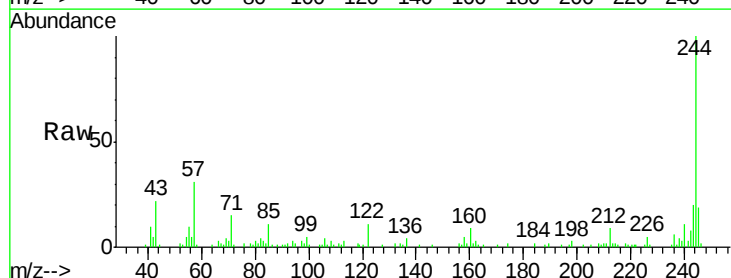
Tgt Ion: 244 Resp: 45305

Ion Ratio Lower Upper

244 100

212 8.6 4.3 6.5#

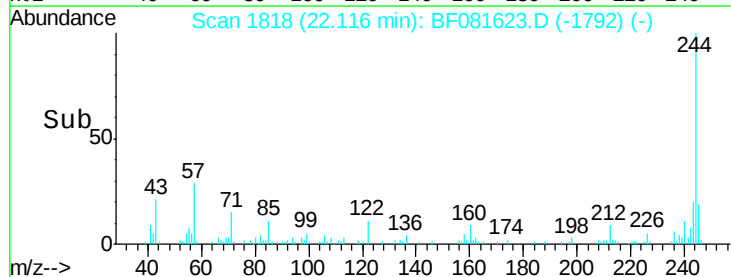
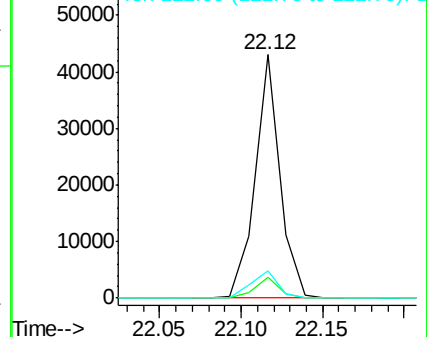
122 11.0 17.4 26.2#

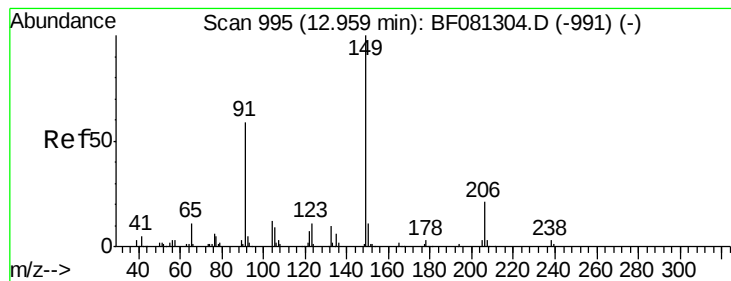


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 2.46 ng

RT: 22.81 min Scan# 1879

Delta R.T. 0.00 min

Lab File: BF081623.D

Acq: 15 Sep 2015 2:45

Instrument :

BNA_F

ClientSampleId :

GP-15(0-5)

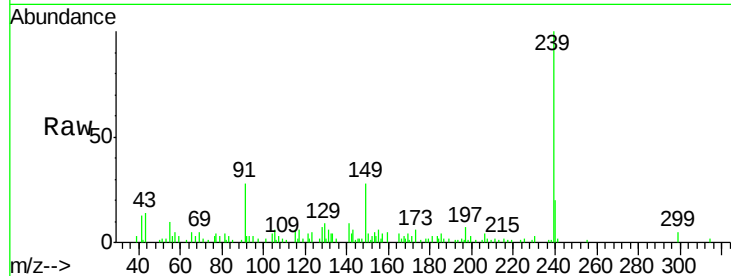
Tgt Ion:149 Resp: 7683

Ion Ratio Lower Upper

149 100

91 100.1 48.6 72.8#

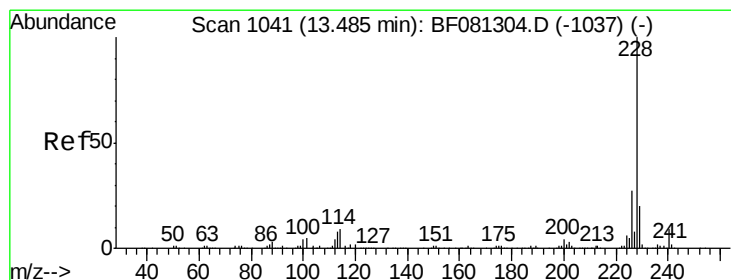
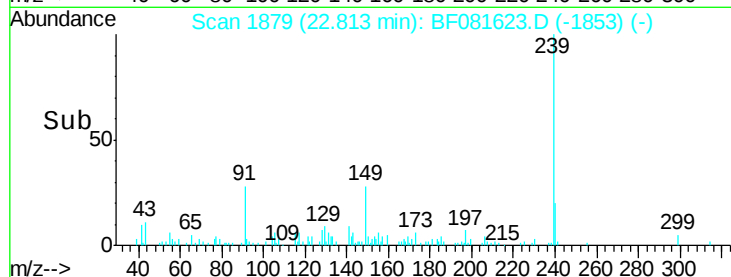
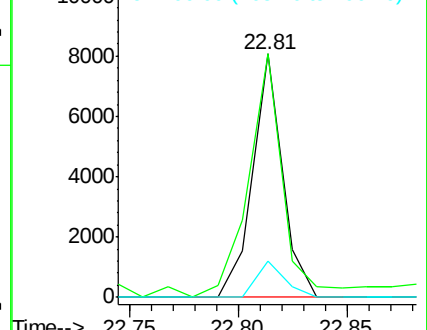
206 15.1 14.9 22.3



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: 15.49 ng

RT: 23.38 min Scan# 1929

Delta R.T. 0.01 min

Lab File: BF081623.D

Acq: 15 Sep 2015 2:45

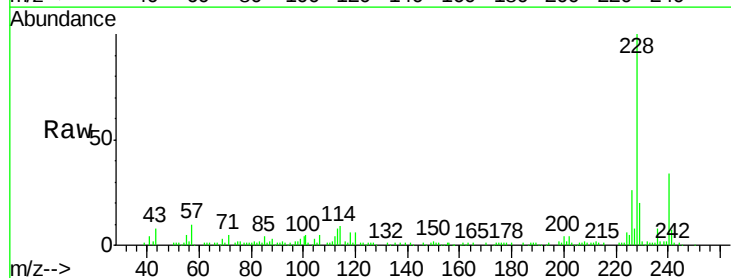
Tgt Ion:228 Resp: 95726

Ion Ratio Lower Upper

228 100

226 26.2 20.0 30.0

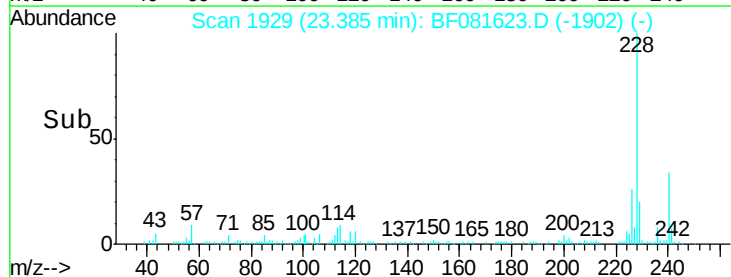
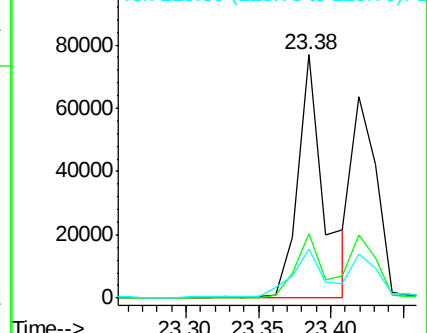
229 20.1 15.4 23.2

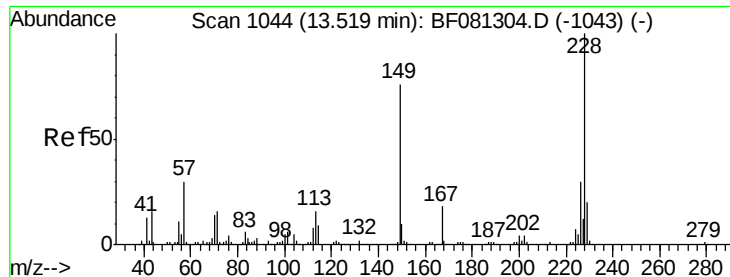


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 13.48 ng

RT: 23.42 min Scan# 1932

Delta R.T. 0.00 min

Lab File: BF081623.D

Acq: 15 Sep 2015 2:45

Instrument :

BNA_F

ClientSampleId :

GP-15(0-5)

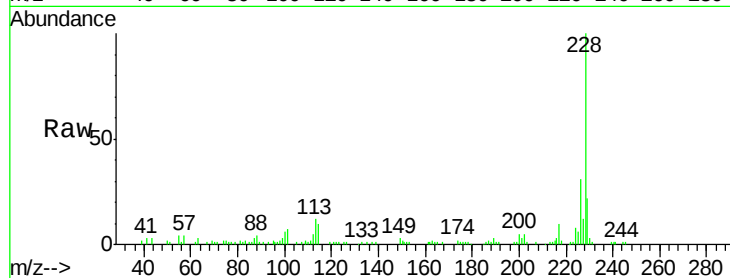
Tgt Ion: 228 Resp: 74689

Ion Ratio Lower Upper

228 100

226 31.1 21.0 31.4

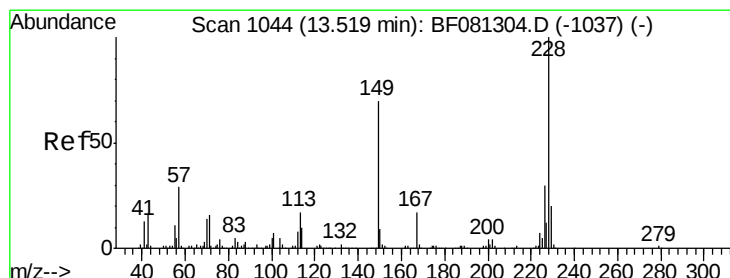
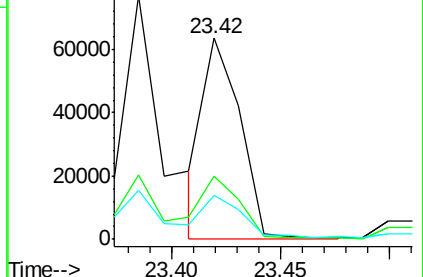
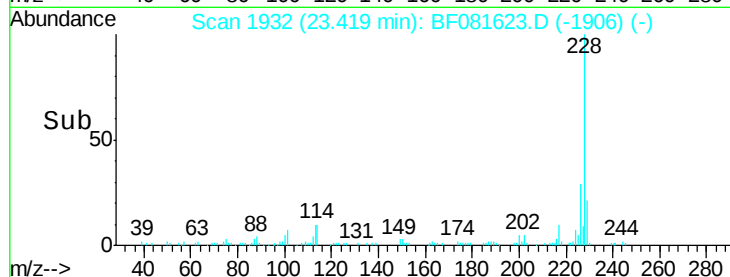
229 21.8 15.6 23.4



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: 3.67 ng

RT: 23.50 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BF081623.D

Acq: 15 Sep 2015 2:45

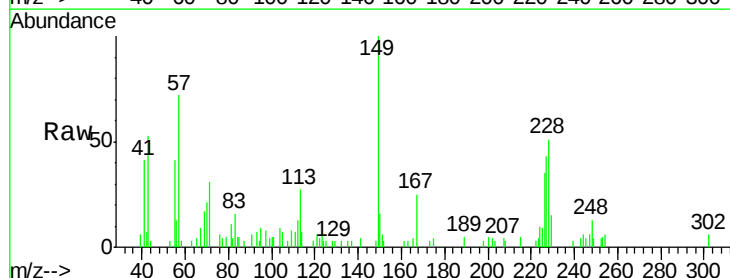
Tgt Ion: 149 Resp: 15149

Ion Ratio Lower Upper

149 100

167 25.2 24.2 36.2

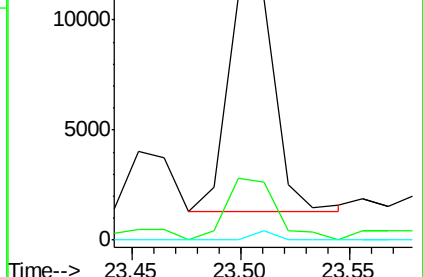
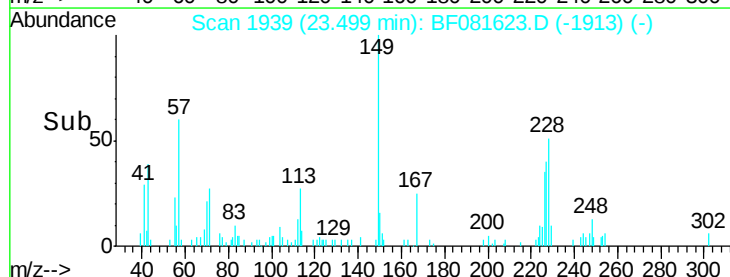
279 0.0 3.8 5.6#

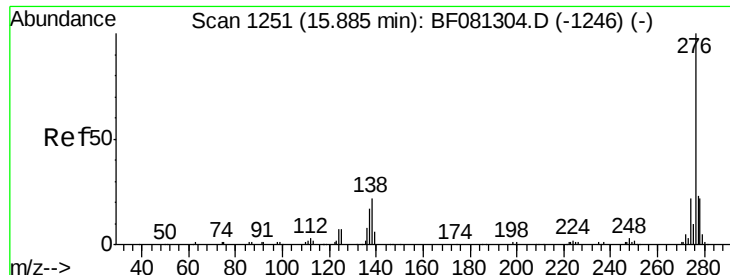


Abundance Ion 149.00 (148.70 to 149.70): E

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: 6.10 ng

RT: 25.89 min Scan# 2148

Delta R.T. 0.01 min

Lab File: BF081623.D

Acq: 15 Sep 2015 2:45

Instrument :

BNA_F

ClientSampleId :

GP-15(0-5)

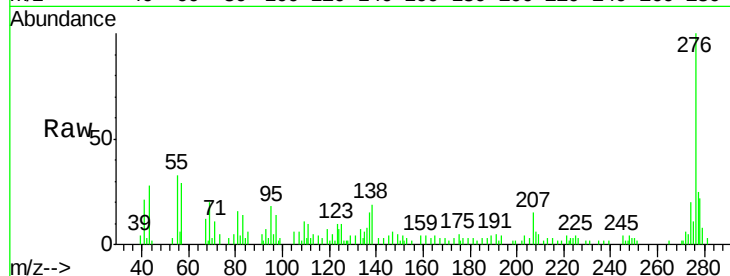
Tgt Ion: 276 Resp: 24782

Ion Ratio Lower Upper

276 100

138 21.9 25.7 38.5#

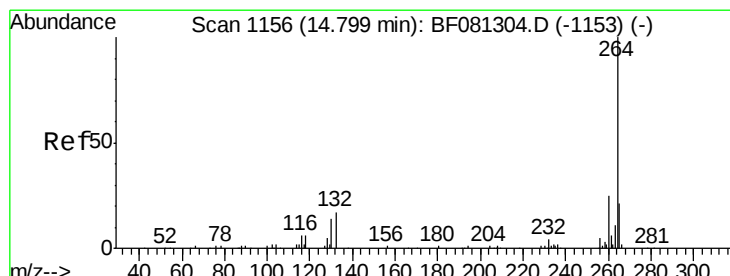
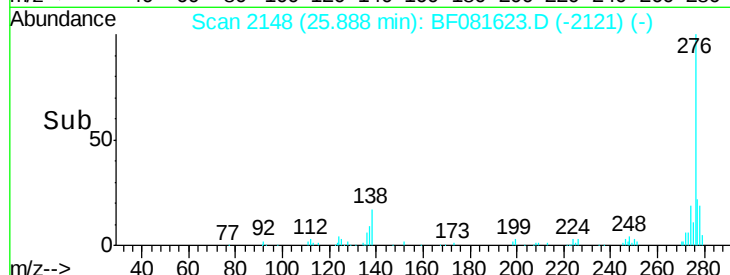
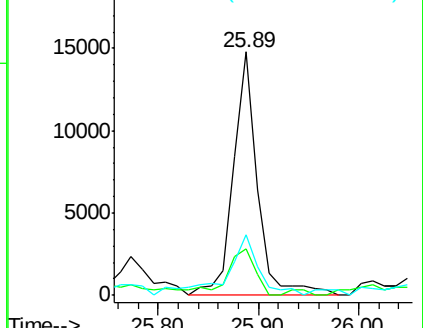
277 33.5 15.6 23.4#



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: 24.84 min Scan# 2056

Delta R.T. 0.01 min

Lab File: BF081623.D

Acq: 15 Sep 2015 2:45

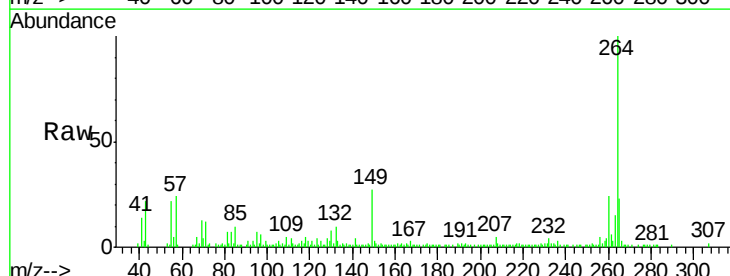
Tgt Ion: 264 Resp: 63971

Ion Ratio Lower Upper

264 100

260 24.4 16.7 25.1

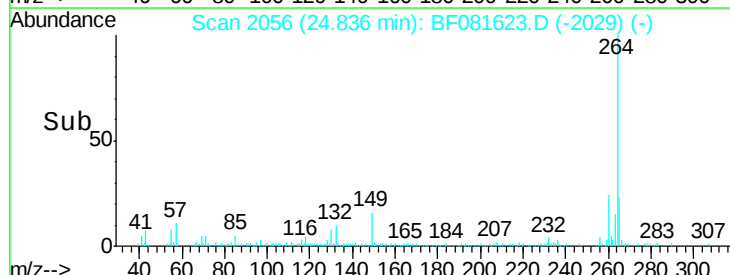
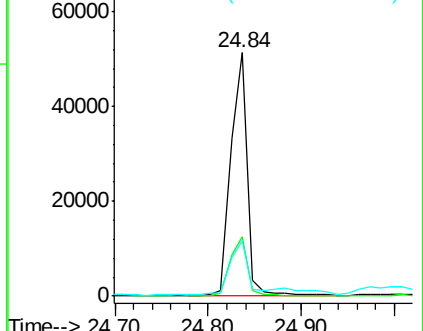
265 22.7 17.2 25.8

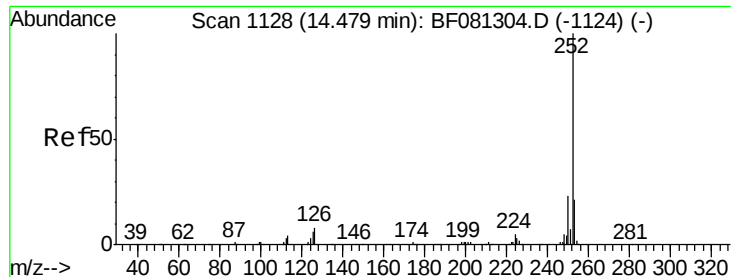


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 18.72 ng m

RT: 24.49 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF081623.D

Acq: 15 Sep 2015 2:45

Instrument :

BNA_F

ClientSampleId :

GP-15(0-5)

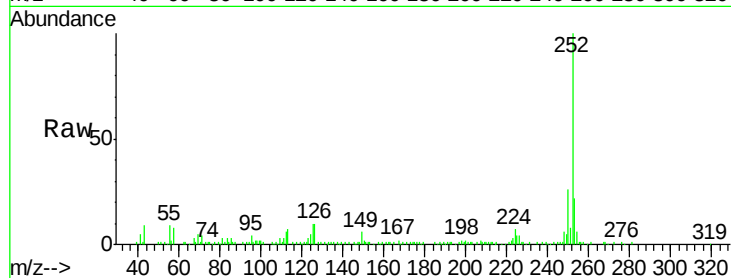
Tgt Ion:252 Resp: 85516

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

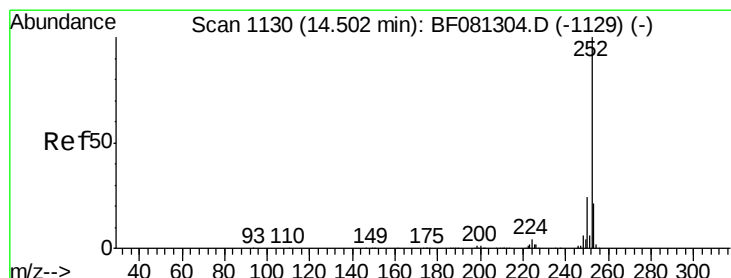
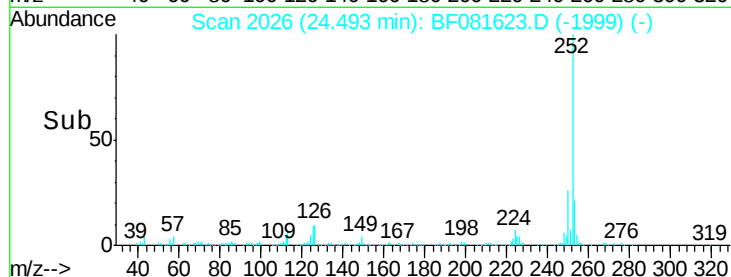
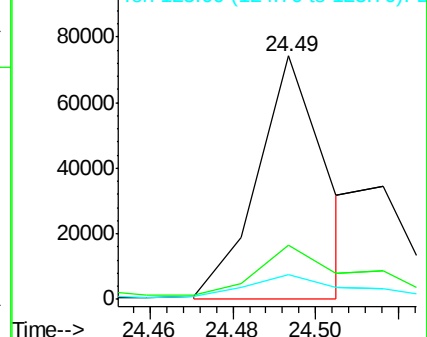
125 10.0 17.1 25.7#



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: 7.27 ng m

RT: 24.52 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF081623.D

Acq: 15 Sep 2015 2:45

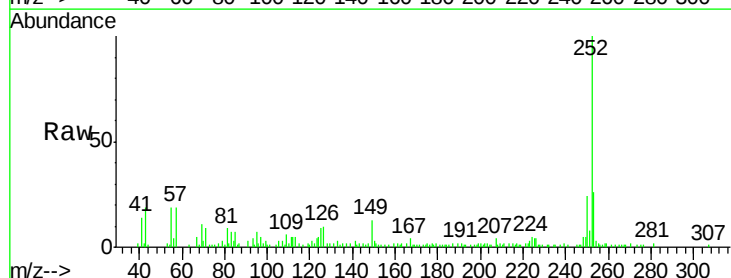
Tgt Ion:252 Resp: 27547

Ion Ratio Lower Upper

252 100

253 25.7 17.0 25.4#

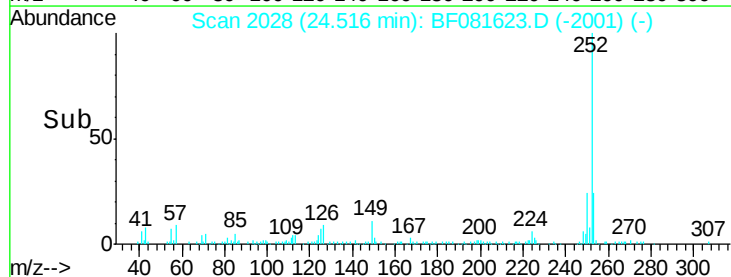
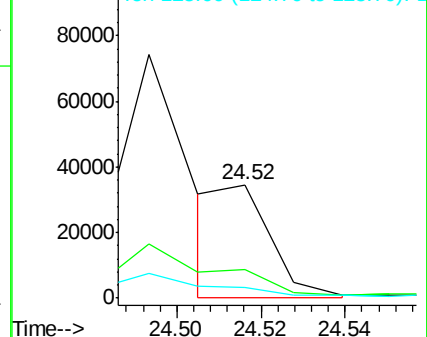
125 9.3 16.0 24.0#

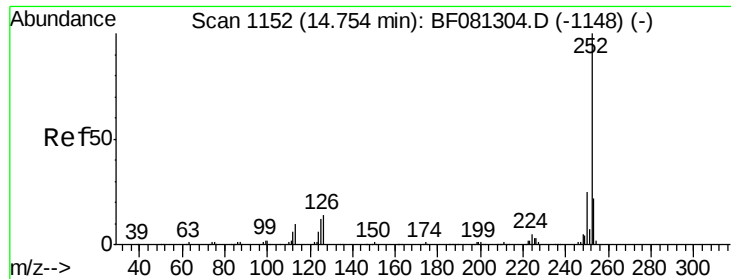


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 13.44 ng

RT: 24.78 min Scan# 2051

Delta R.T. 0.00 min

Lab File: BF081623.D

Acq: 15 Sep 2015 2:45

Instrument :

BNA_F

ClientSampleId :

GP-15(0-5)

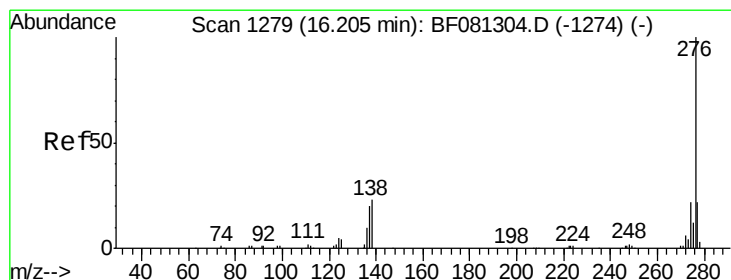
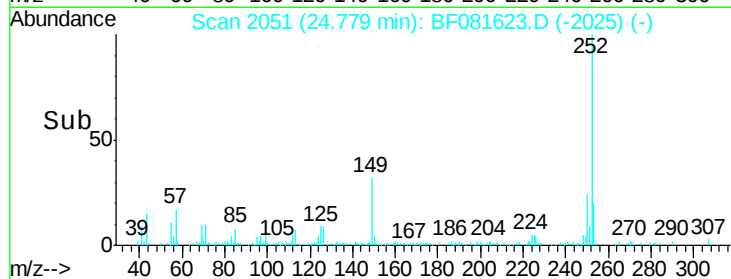
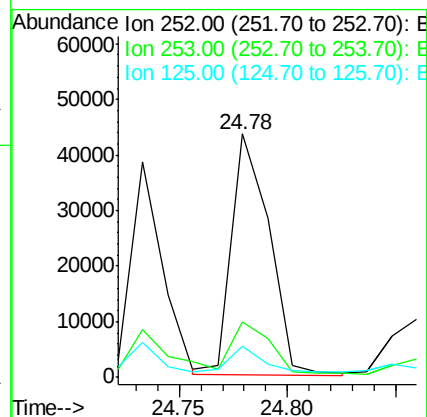
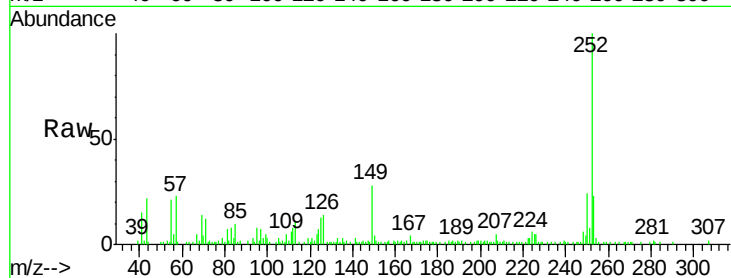
Tgt Ion:252 Resp: 52009

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

125 13.0 18.0 27.0#



#91

Benzo(g,h,i)perylene

Concen: 7.64 ng

RT: 26.20 min Scan# 2175

Delta R.T. 0.01 min

Lab File: BF081623.D

Acq: 15 Sep 2015 2:45

Tgt Ion:276 Resp: 21806

Ion Ratio Lower Upper

276 100

277 25.5 17.8 26.6

138 19.8 34.6 51.8#

