

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091415\
 Data File : BF081612.D
 Acq On : 14 Sep 2015 17:37
 Operator : UM/IZ
 Sample : G3597-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-6(0-5)

Quant Time: Sep 15 01:32:20 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

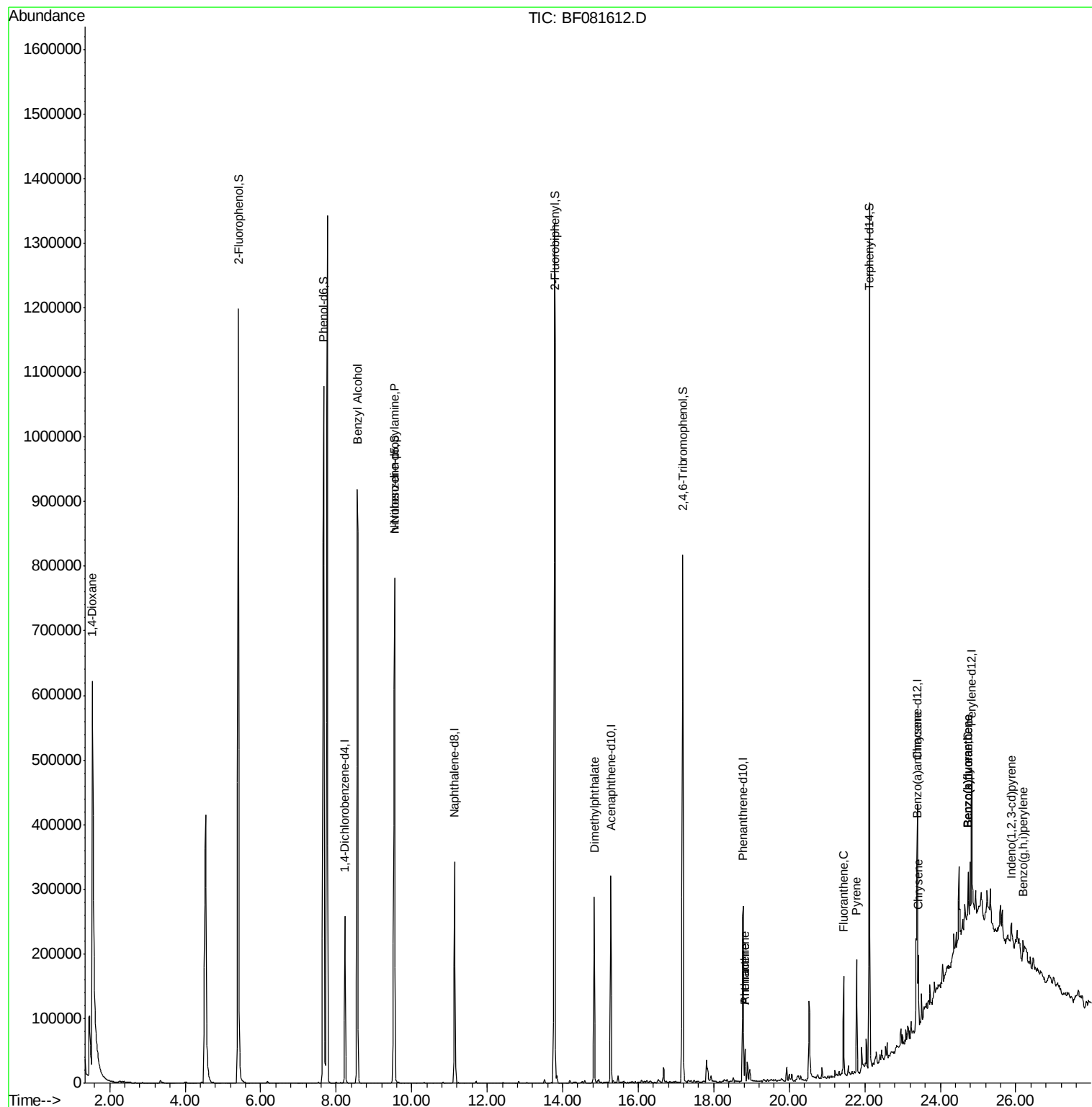
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	63051	20.00	ng	0.00
21) Naphthalene-d8	11.13	136	248104	20.00	ng	0.00
38) Acenaphthene-d10	15.27	164	111390	20.00	ng	0.00
63) Phenanthrene-d10	18.78	188	197424	20.00	ng	0.01
75) Chrysene-d12	23.40	240	122886	20.00	ng	0.00
86) Perylene-d12	24.84	264	97003	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	565391	139.13	ng	0.03
7) Phenol-d6	7.67	99	819669	152.38	ng	0.01
23) Nitrobenzene-d5	9.54	82	511940	99.55	ng	0.00
41) 2,4,6-Tribromophenol	17.18	330	146518	147.73	ng	0.00
44) 2-Fluorobiphenyl	13.78	172	869186	100.00	ng	0.00
78) Terphenyl-d14	22.13	244	512741	97.13	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	1.54	88	35052	19.21	ng	# 11
15) Benzyl Alcohol	8.56	79	8993	2.04	ng	# 38
19) n-Nitroso-di-n-propylamine	9.54	70	70862	19.36	ng	# 64
49) Dimethylphthalate	14.84	163	186066	21.50	ng	# 98
70) Phenanthrene	18.82	178	33549	3.06	ng	97
71) Anthracene	18.82	178	33549	2.98	ng	97
74) Fluoranthene	21.44	202	85776	7.22	ng	88
77) Pyrene	21.78	202	89481	9.83	ng	97
80) Benzo(a)anthracene	23.38	228	37047	4.73	ng	93
82) Chrysene	23.42	228	43352	6.18	ng	92
85) Indeno(1,2,3-cd)pyrene	25.89	276	17595	3.42	ng	# 82
87) Benzo(b)fluoranthene	24.73	252	27477	3.97	ng	94
88) Benzo(k)fluoranthene	24.73	252	27986	4.87	ng	95
89) Benzo(a)pyrene	24.73	252	27986	4.77	ng	92
91) Benzo(g,h,i)perylene	26.20	276	18146	4.19	ng	# 75

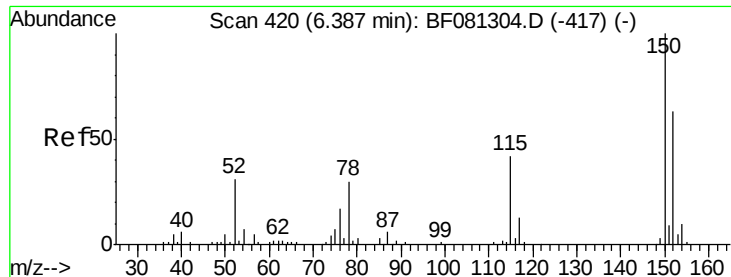
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.23 min Scan# 603

Delta R.T. 0.00 min

Lab File: BF081612.D

Acq: 14 Sep 2015 17:37

Instrument :

BNA_F

ClientSampleId :

GP-6(0-5)

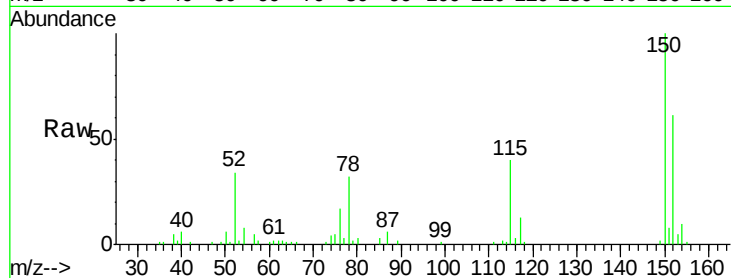
Tgt Ion:152 Resp: 63051

Ion Ratio Lower Upper

152 100

150 164.3 124.7 187.1

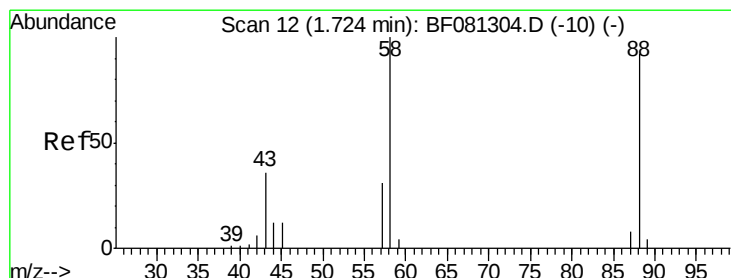
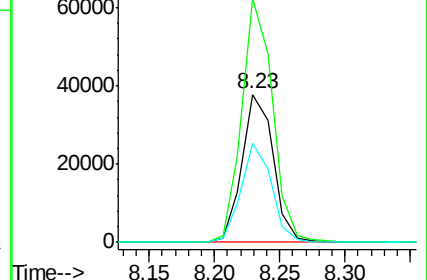
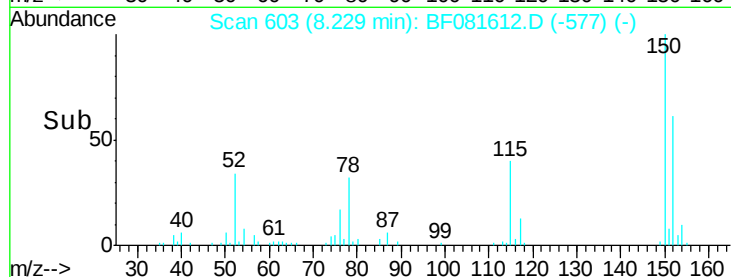
115 66.4 39.0 58.4#



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



#2

1,4-Dioxane

Concen: 19.21 ng

RT: 1.54 min Scan# 18

Delta R.T. -0.02 min

Lab File: BF081612.D

Acq: 14 Sep 2015 17:37

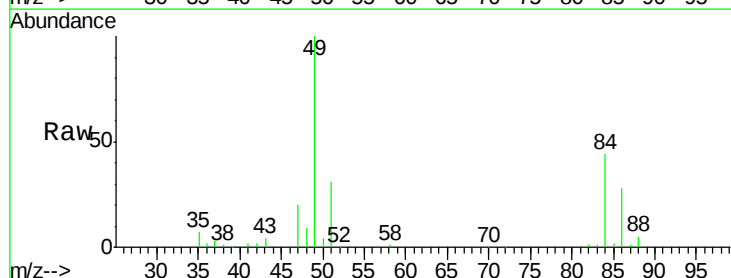
Tgt Ion: 88 Resp: 35052

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

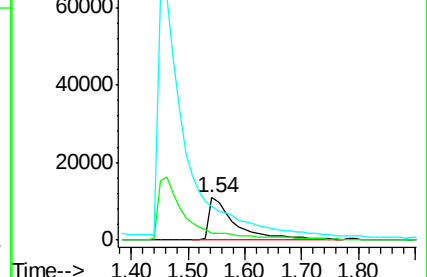
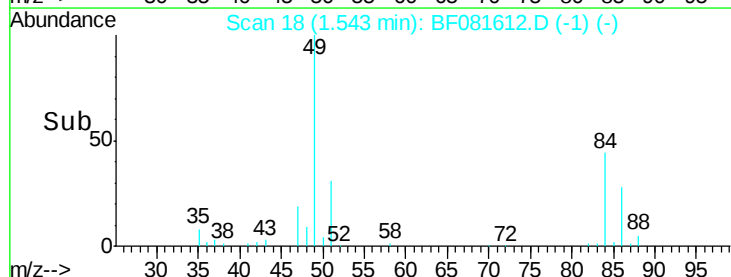
43 0.0 26.6 40.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 139.13 ng

RT: 5.41 min Scan# 356

Delta R.T. 0.03 min

Lab File: BF081612.D

Acq: 14 Sep 2015 17:37

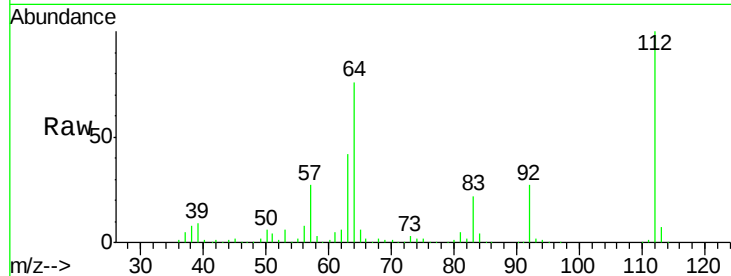
Instrument :

BNA_F

ClientSampleId :

GP-6(0-5)

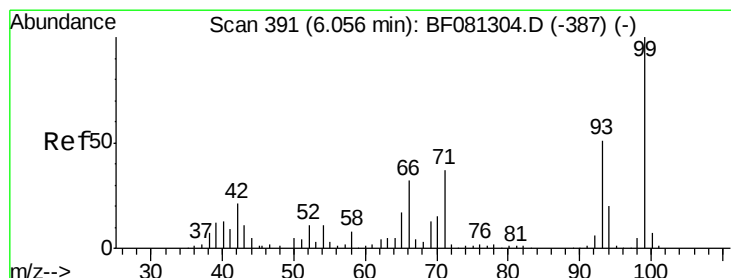
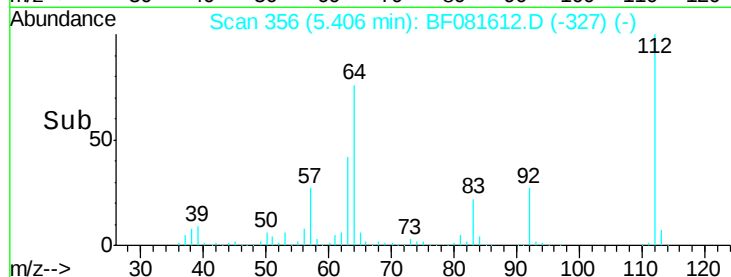
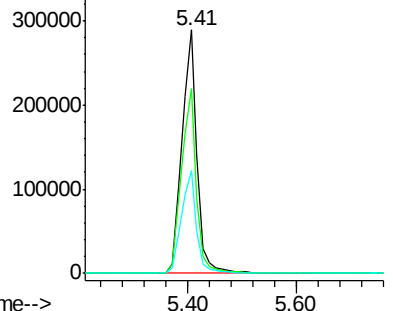
Tgt Ion:	112	Resp:	565391
Ion	Ratio	Lower	Upper
112	100		
64	75.9	39.7	59.5#
63	42.1	17.4	26.0#



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: 152.38 ng

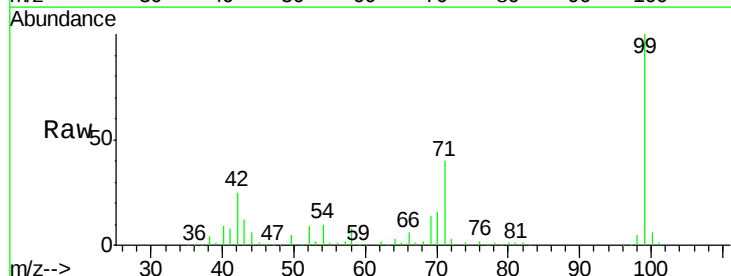
RT: 7.67 min Scan# 554

Delta R.T. 0.01 min

Lab File: BF081612.D

Acq: 14 Sep 2015 17:37

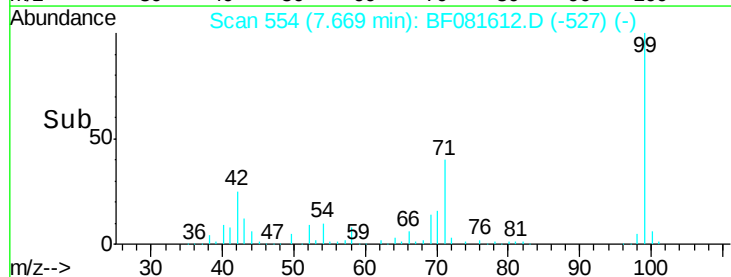
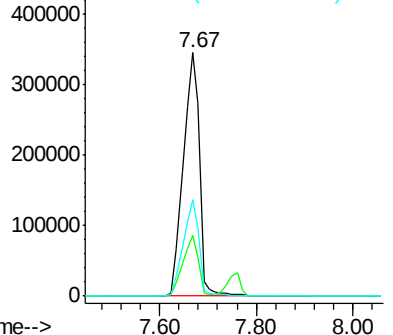
Tgt Ion:	99	Resp:	819669
Ion	Ratio	Lower	Upper
99	100		
42	24.7	13.7	20.5#
71	39.6	14.2	21.2#

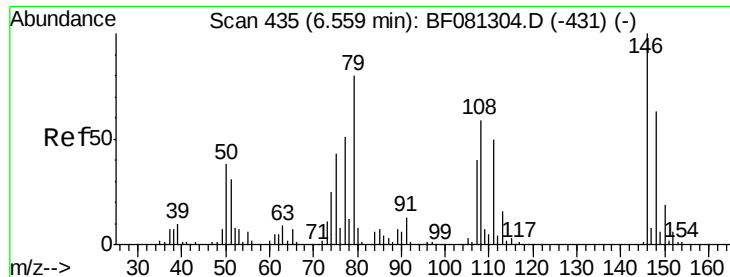


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 2.04 ng

RT: 8.56 min Scan# 632

Delta R.T. -0.11 min

Lab File: BF081612.D

Acq: 14 Sep 2015 17:37

Instrument :

BNA_F

ClientSampleId :

GP-6(0-5)

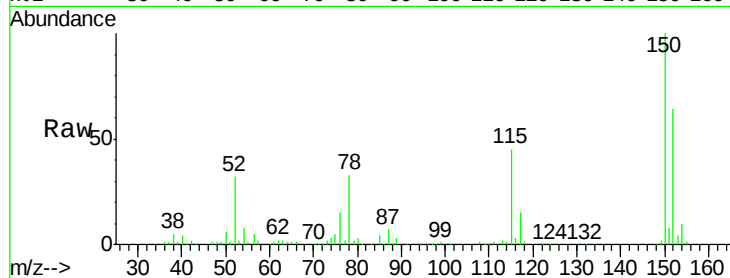
Tgt Ion: 79 Resp: 8993

Ion Ratio Lower Upper

79 100

108 27.1 88.6 132.8#

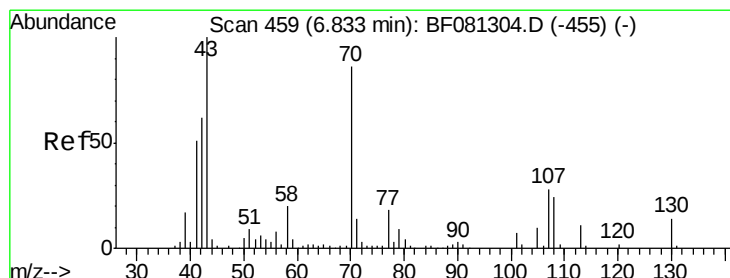
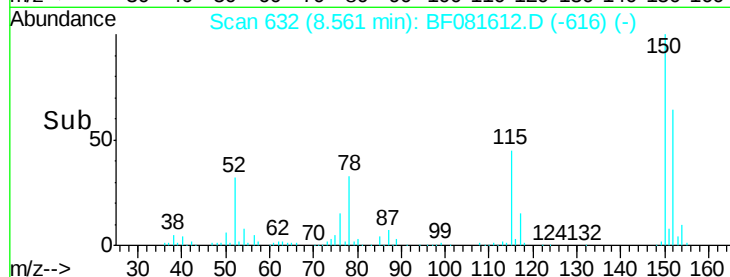
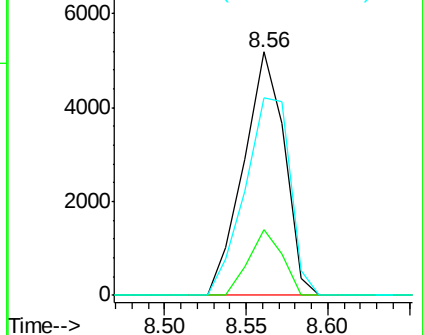
77 81.3 47.0 70.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 19.36 ng

RT: 9.54 min Scan# 718

Delta R.T. 0.23 min

Lab File: BF081612.D

Acq: 14 Sep 2015 17:37

Tgt Ion: 70 Resp: 70862

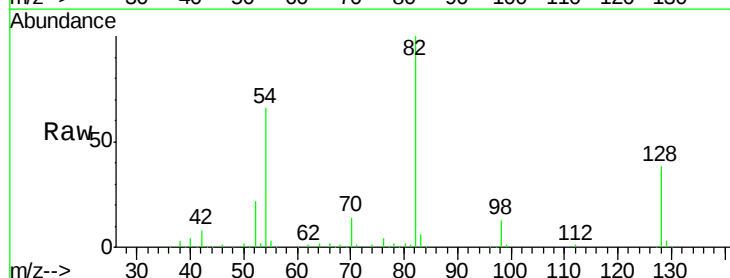
Ion Ratio Lower Upper

70 100

42 54.9 63.8 95.6#

101 0.0 9.2 13.8#

130 1.7 27.3 40.9#

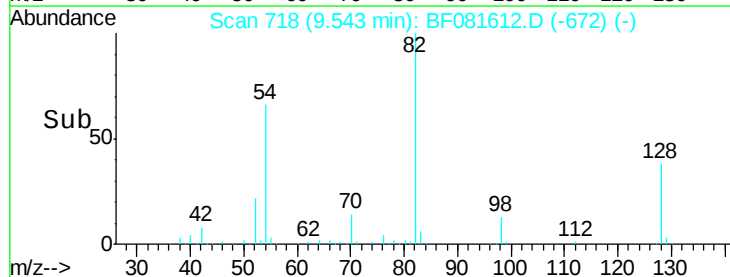
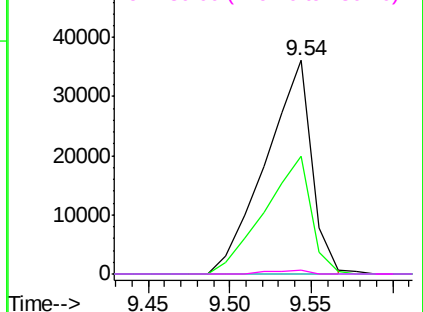


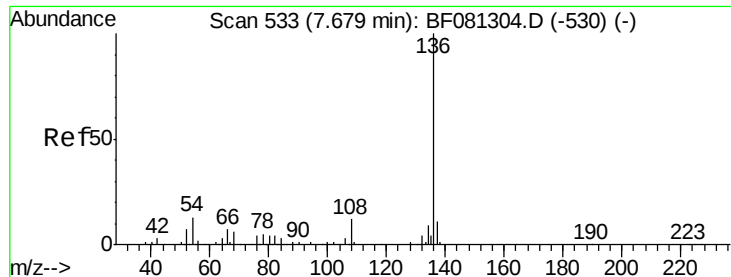
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.13 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF081612.D

Acq: 14 Sep 2015 17:37

Instrument :

BNA_F

ClientSampleId :

GP-6(0-5)

Tgt Ion: 136 Resp: 248104

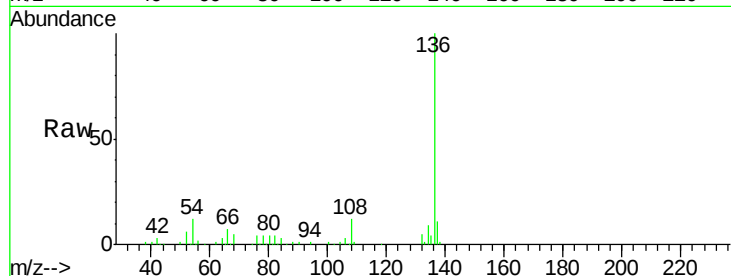
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 12.3 8.2 12.2#

68 5.3 5.8 8.6#

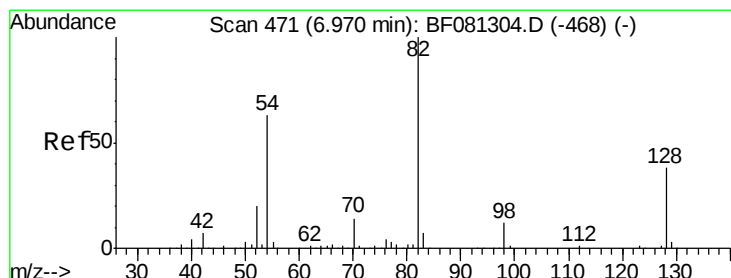
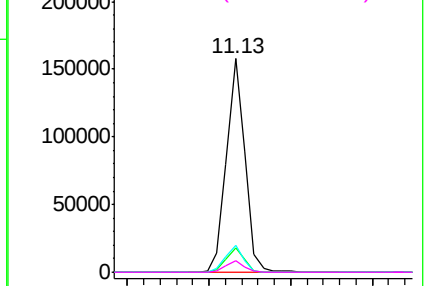
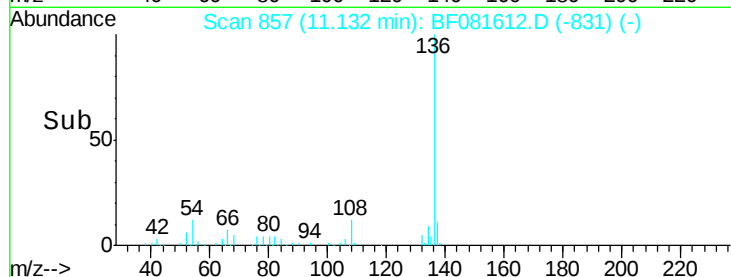


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.55 ng

RT: 9.54 min Scan# 718

Delta R.T. 0.00 min

Lab File: BF081612.D

Acq: 14 Sep 2015 17:37

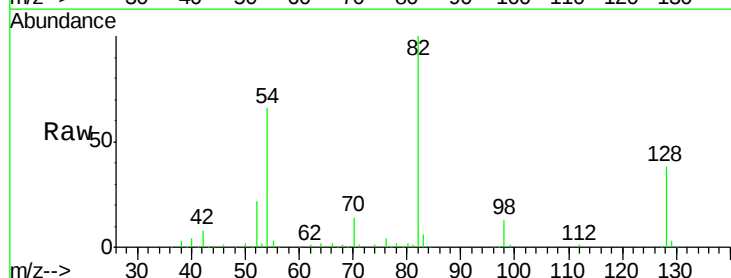
Tgt Ion: 82 Resp: 511940

Ion Ratio Lower Upper

82 100

128 38.0 51.0 76.6#

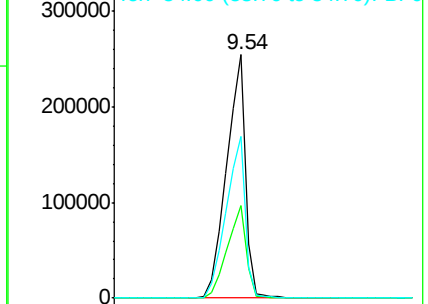
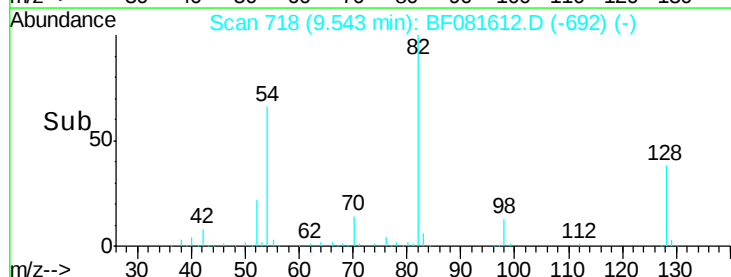
54 66.4 47.5 71.3

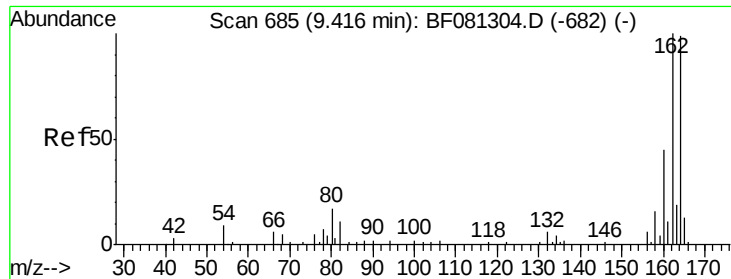


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF081612.D

Acq: 14 Sep 2015 17:37

Instrument :

BNA_F

ClientSampleId :

GP-6(0-5)

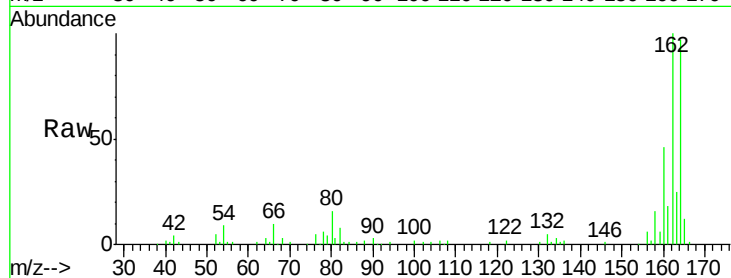
Tgt Ion:164 Resp: 111390

Ion Ratio Lower Upper

164 100

162 103.1 75.2 112.8

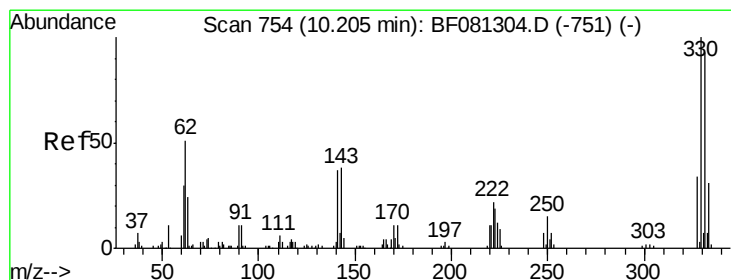
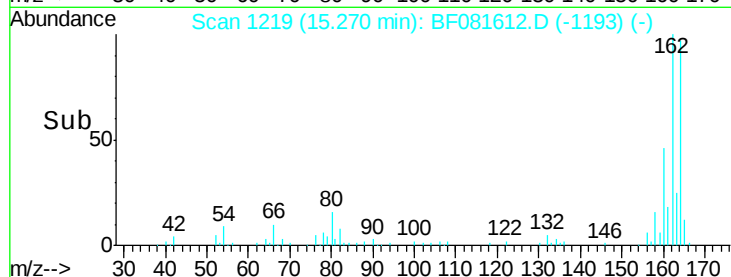
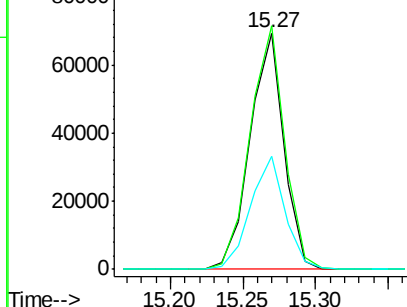
160 47.7 31.5 47.3#



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: 147.73 ng

RT: 17.18 min Scan# 1386

Delta R.T. 0.00 min

Lab File: BF081612.D

Acq: 14 Sep 2015 17:37

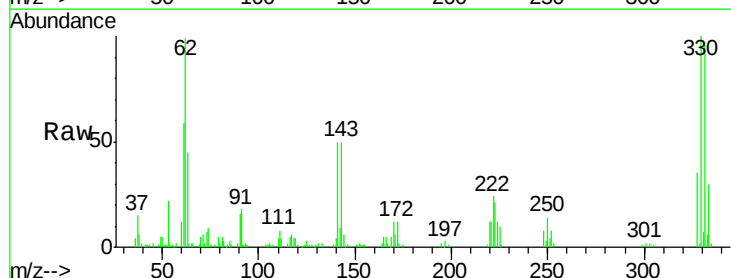
Tgt Ion:330 Resp: 146518

Ion Ratio Lower Upper

330 100

332 95.0 76.6 114.8

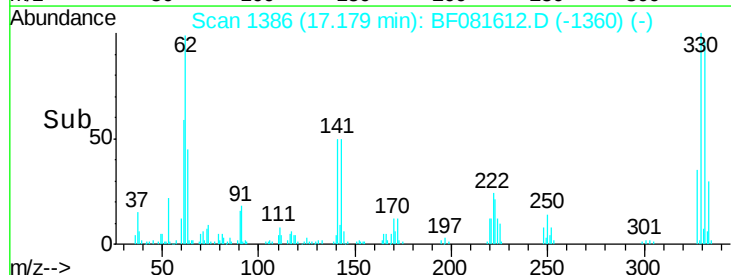
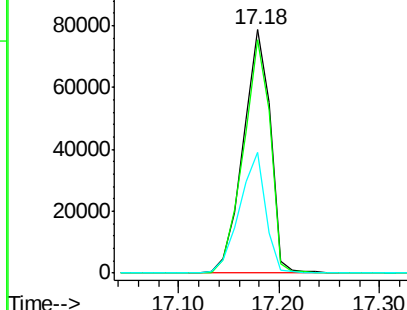
141 48.1 29.7 44.5#

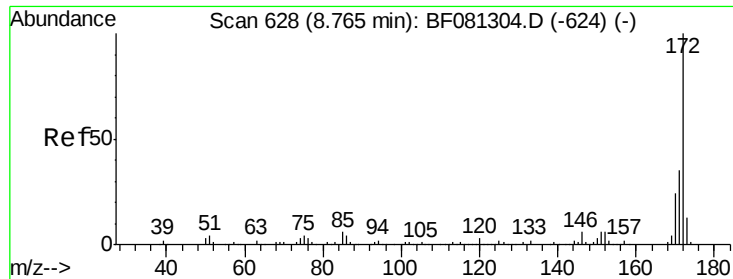


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

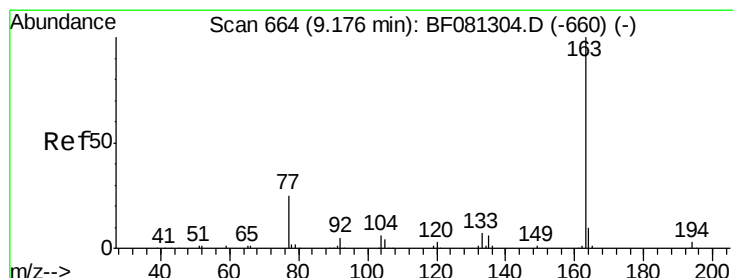
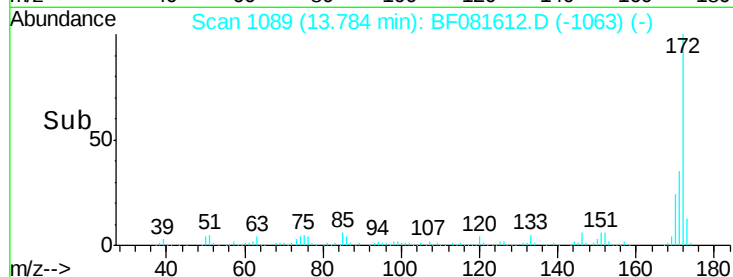
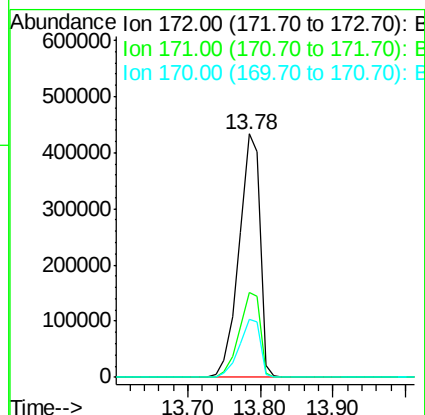
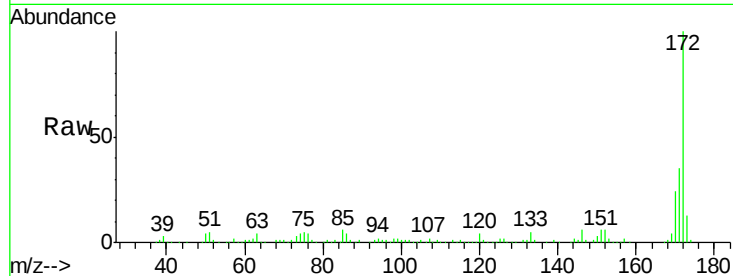




#44
2-Fluorobiphenyl
Concen: 100.00 ng
RT: 13.78 min Scan# 1089
Delta R.T. 0.00 min
Lab File: BF081612.D
Acq: 14 Sep 2015 17:37

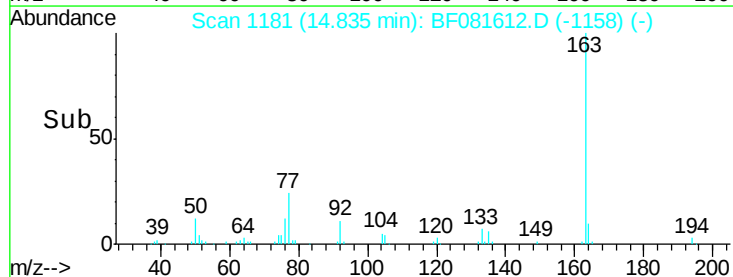
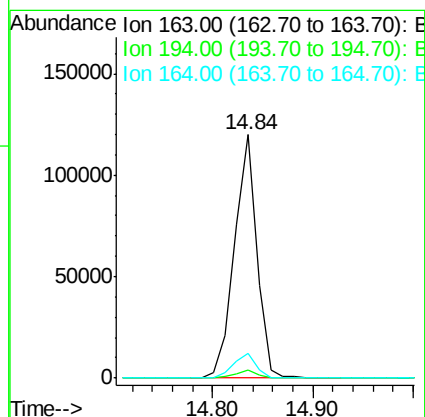
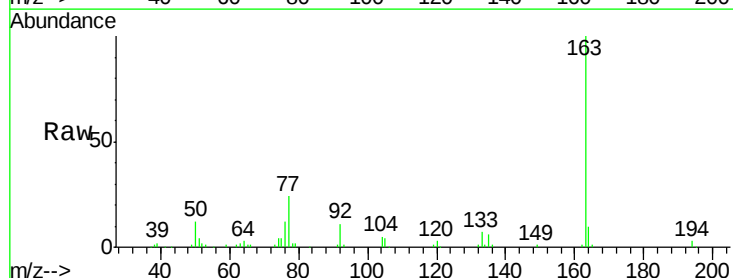
Instrument :
BNA_F
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GP-6(0-5)

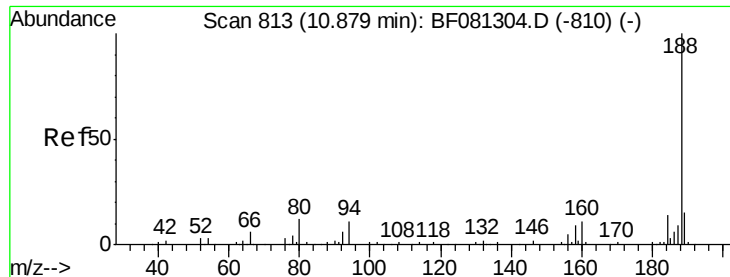
Tgt Ion:172 Resp: 869186
Ion Ratio Lower Upper
172 100
171 35.1 26.1 39.1
170 24.0 17.4 26.2



#49
Dimethylphthalate
Concen: 21.50 ng
RT: 14.84 min Scan# 1181
Delta R.T. -0.03 min
Lab File: BF081612.D
Acq: 14 Sep 2015 17:37

Tgt Ion:163 Resp: 186066
Ion Ratio Lower Upper
163 100
194 3.3 4.4 6.6#
164 10.4 8.3 12.5

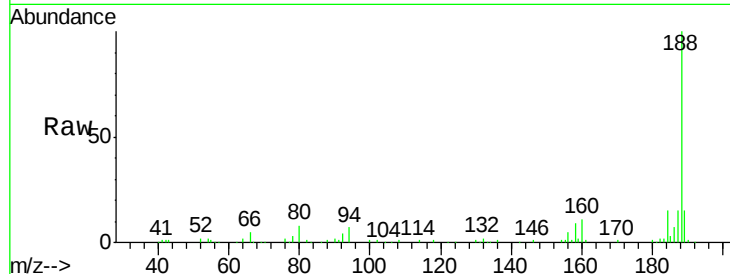




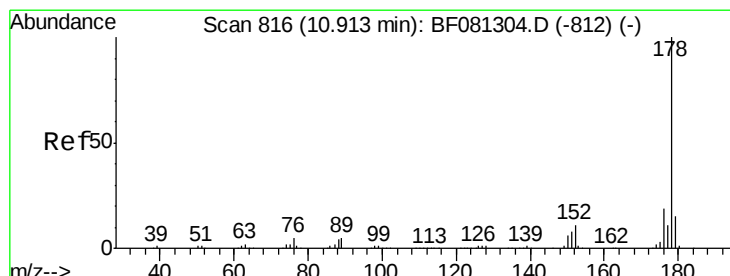
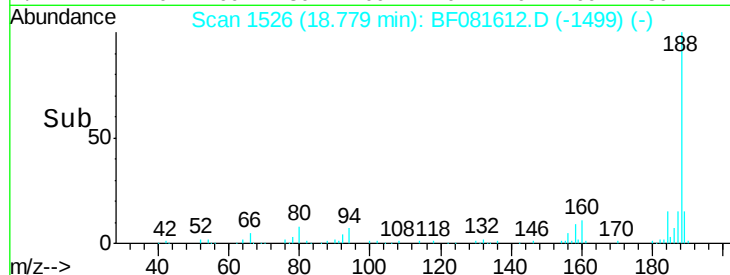
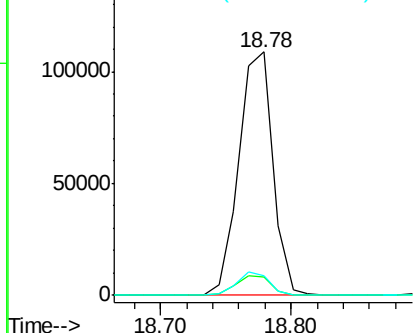
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.78 min Scan# 1526
 Delta R.T. 0.01 min
 Lab File: BF081612.D
 Acq: 14 Sep 2015 17:37

Instrument :
 BNA_F
 ClientSampleId :
 GP-6(0-5)

Tgt Ion:188 Resp: 197424
 Ion Ratio Lower Upper
 188 100
 94 7.5 11.1 16.7#
 80 8.2 11.0 16.4#

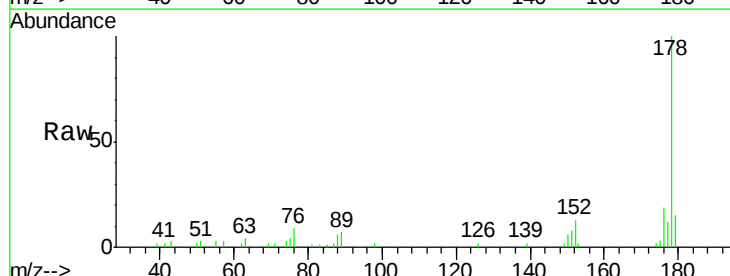


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

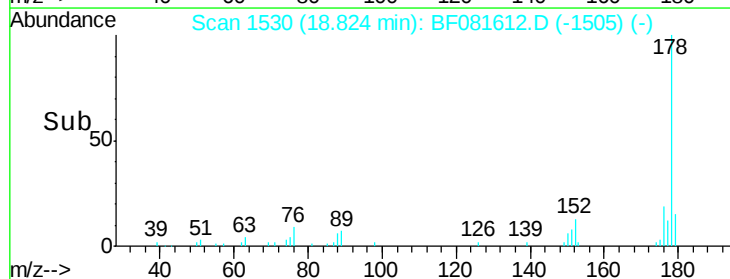
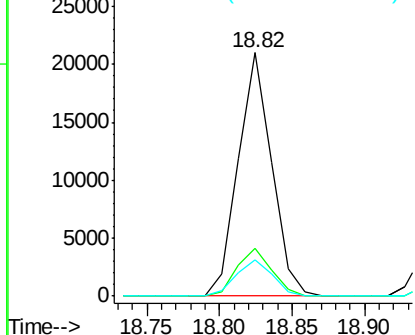


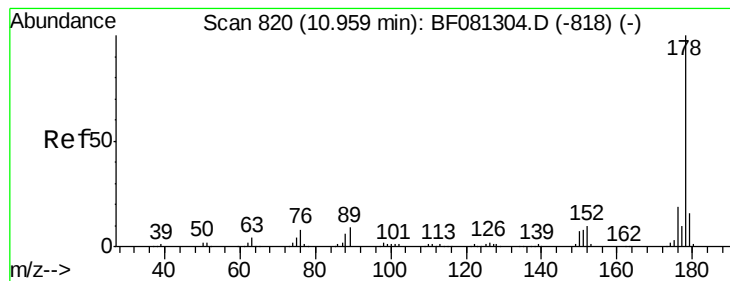
#70
 Phenanthrene
 Concen: 3.06 ng
 RT: 18.82 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: BF081612.D
 Acq: 14 Sep 2015 17:37

Tgt Ion:178 Resp: 33549
 Ion Ratio Lower Upper
 178 100
 176 19.4 13.8 20.8
 179 14.7 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: 2.98 ng

RT: 18.82 min Scan# 1530

Delta R.T. -0.13 min

Lab File: BF081612.D

Acq: 14 Sep 2015 17:37

Instrument :

BNA_F

ClientSampled :

GP-6(0-5)

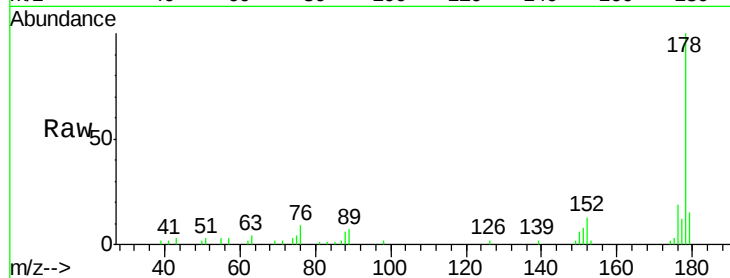
Tgt Ion:178 Resp: 33549

Ion Ratio Lower Upper

178 100

176 19.4 14.1 21.1

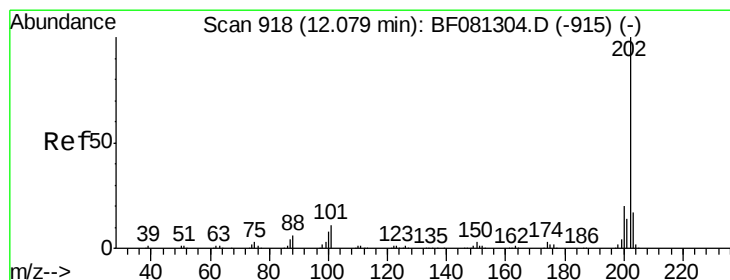
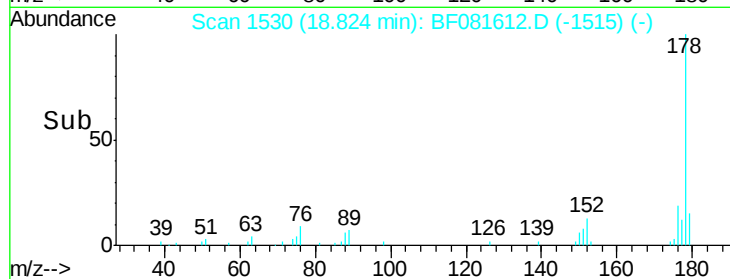
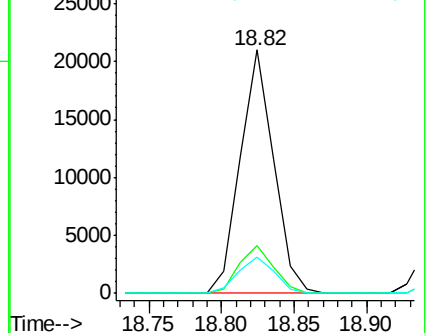
179 14.7 12.2 18.2



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: 7.22 ng

RT: 21.44 min Scan# 1759

Delta R.T. 0.00 min

Lab File: BF081612.D

Acq: 14 Sep 2015 17:37

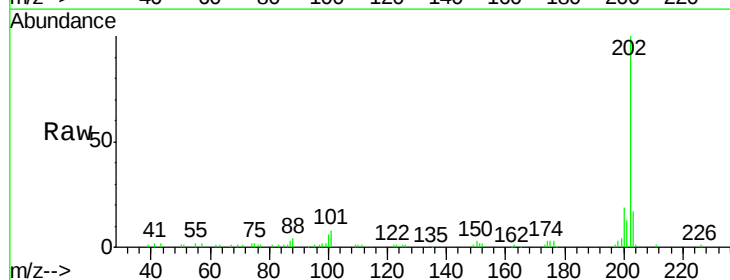
Tgt Ion:202 Resp: 85776

Ion Ratio Lower Upper

202 100

101 7.9 0.0 38.3

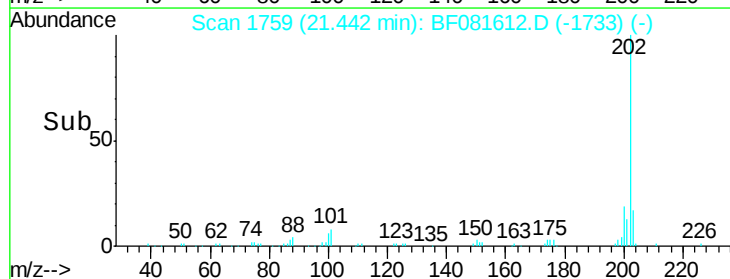
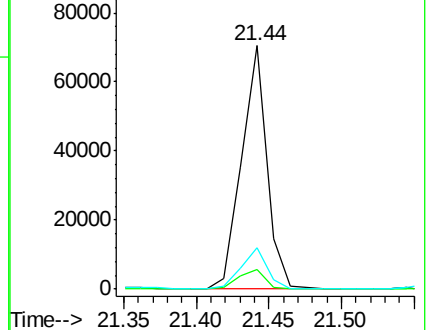
203 16.8 0.0 37.3

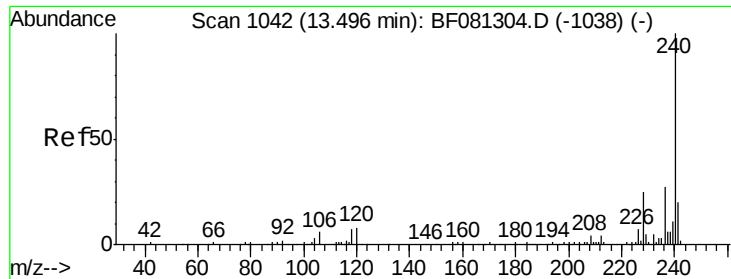


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

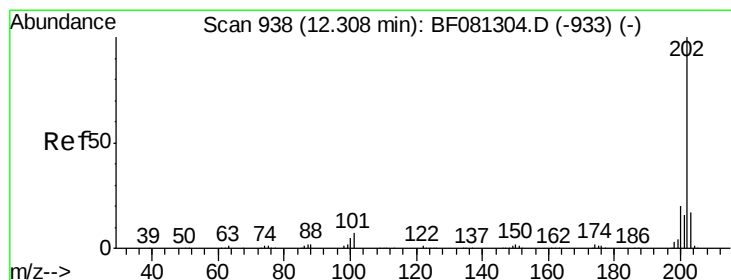
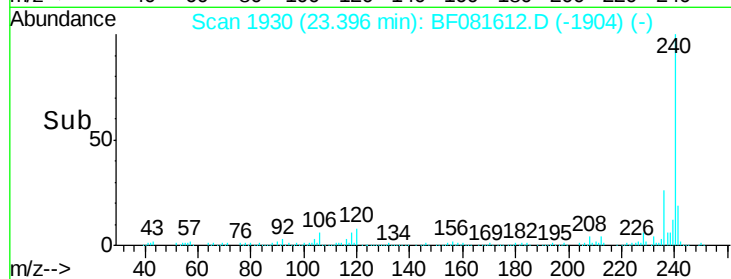
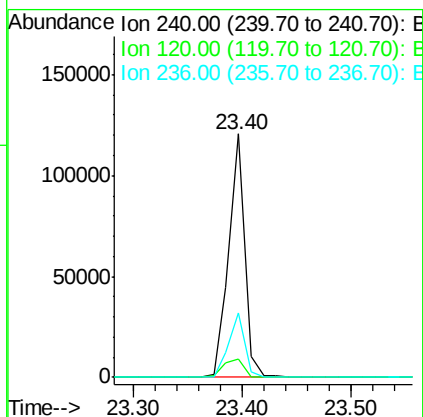
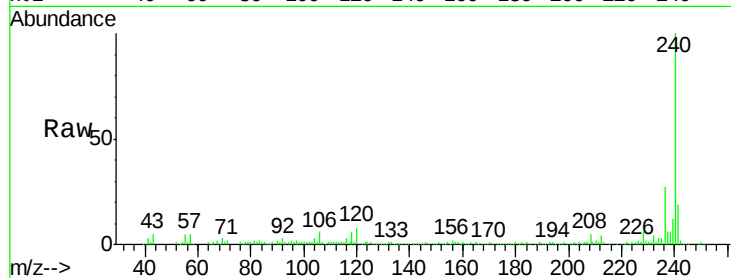




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 23.40 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: BF081612.D
 Acq: 14 Sep 2015 17:37

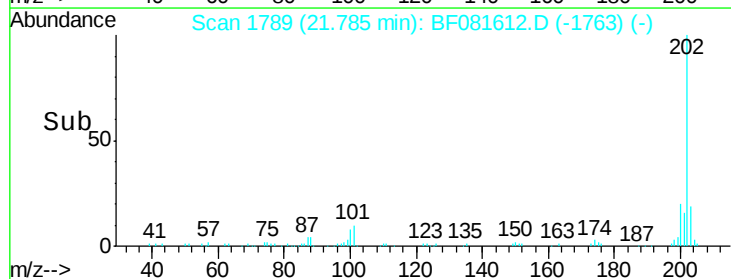
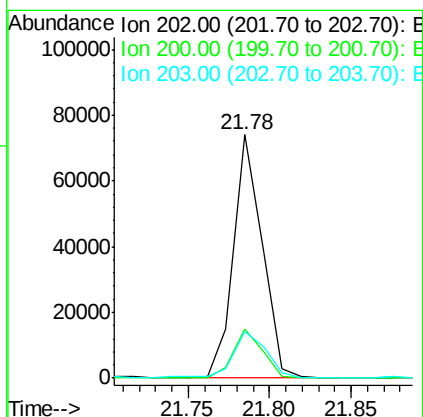
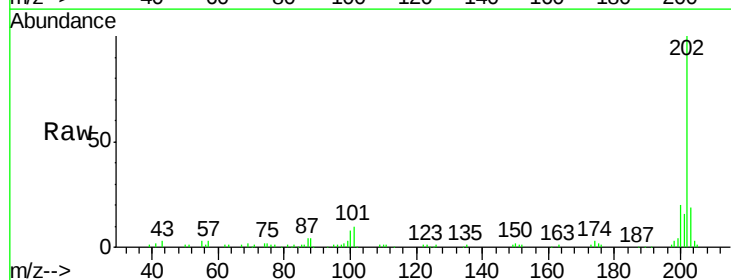
Instrument :
 BNA_F
 ClientSampleId :
 GP-6(0-5)

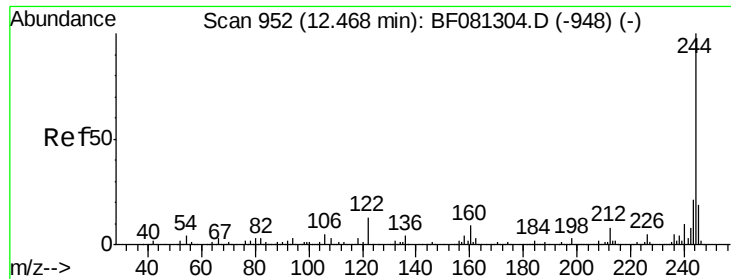
Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.6	16.2	24.2#
236	26.6	18.4	27.6



#77
 Pyrene
 Concen: 9.83 ng
 RT: 21.78 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: BF081612.D
 Acq: 14 Sep 2015 17:37

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	15.0	22.4
203	19.1	14.1	21.1





#78

Terphenyl-d14

Concen: 97.13 ng

RT: 22.13 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF081612.D

Acq: 14 Sep 2015 17:37

Instrument :

BNA_F

ClientSampleId :

GP-6(0-5)

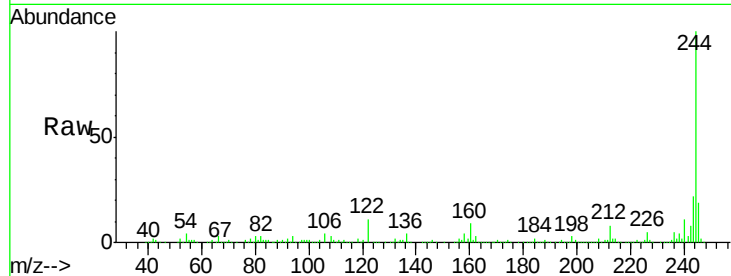
Tgt Ion:244 Resp: 512741

Ion Ratio Lower Upper

244 100

212 8.2 4.3 6.5#

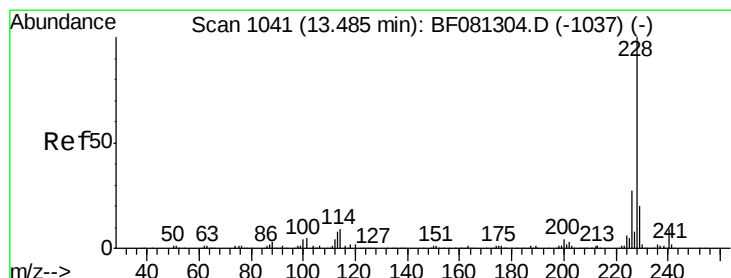
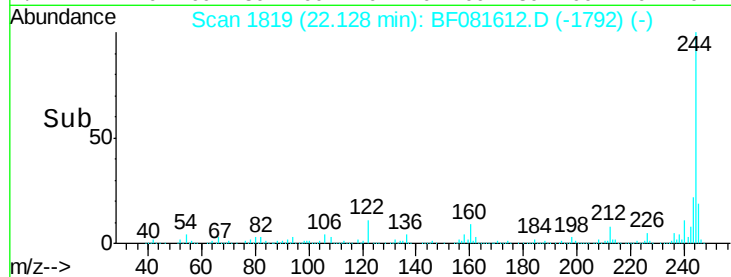
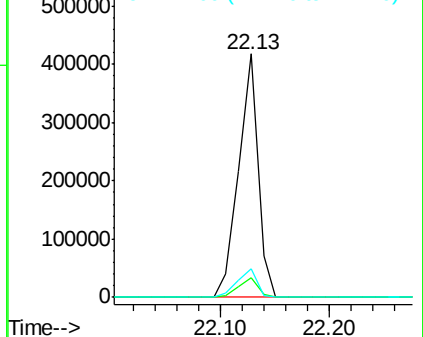
122 11.5 17.4 26.2#



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



#80

Benzo(a)anthracene

Concen: 4.73 ng

RT: 23.38 min Scan# 1929

Delta R.T. 0.01 min

Lab File: BF081612.D

Acq: 14 Sep 2015 17:37

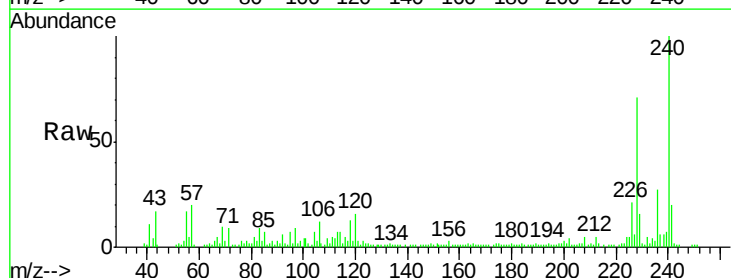
Tgt Ion:228 Resp: 37047

Ion Ratio Lower Upper

228 100

226 29.0 20.0 30.0

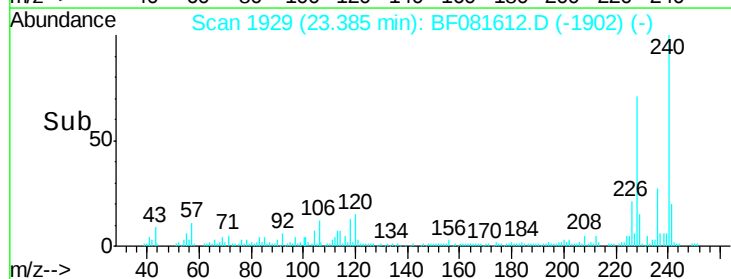
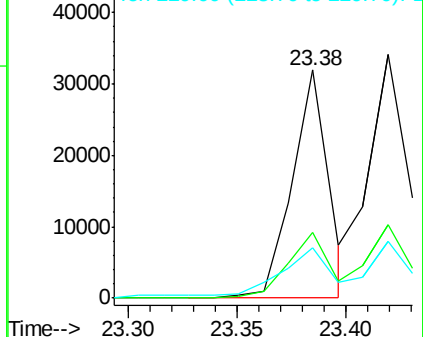
229 21.9 15.4 23.2

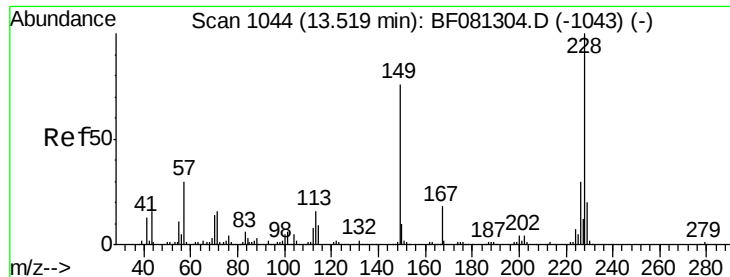


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.18 ng

RT: 23.42 min Scan# 1932

Delta R.T. 0.00 min

Lab File: BF081612.D

Acq: 14 Sep 2015 17:37

Instrument :

BNA_F

ClientSampleId :

GP-6(0-5)

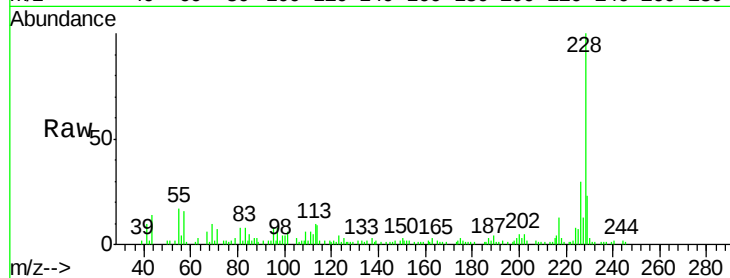
Tgt Ion:228 Resp: 43352

Ion Ratio Lower Upper

228 100

226 30.3 21.0 31.4

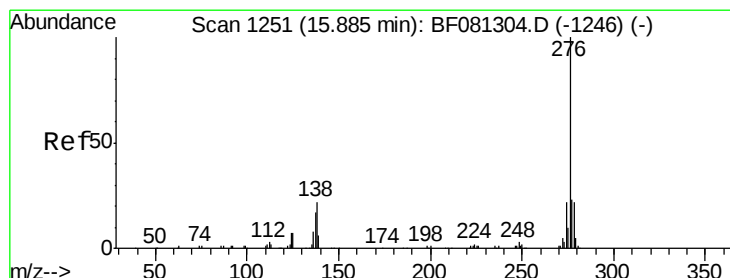
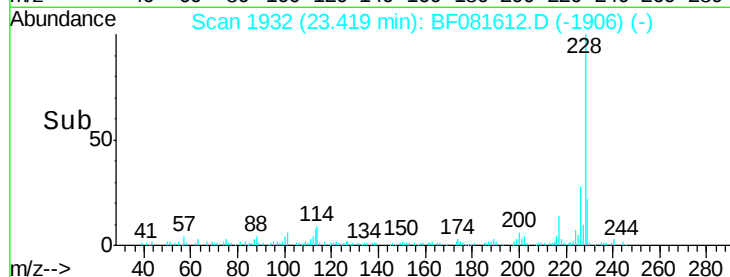
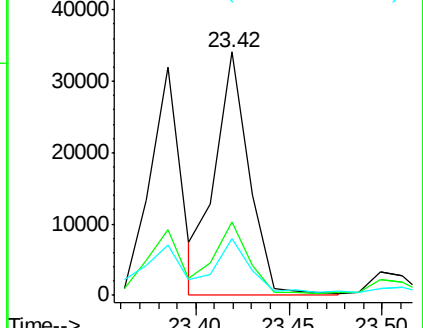
229 23.1 15.6 23.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.42 ng

RT: 25.89 min Scan# 2148

Delta R.T. 0.01 min

Lab File: BF081612.D

Acq: 14 Sep 2015 17:37

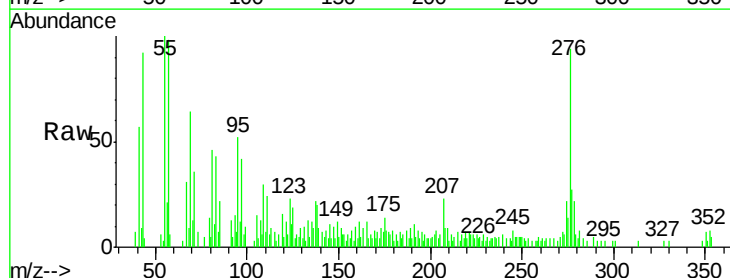
Tgt Ion:276 Resp: 17595

Ion Ratio Lower Upper

276 100

138 22.0 25.7 38.5#

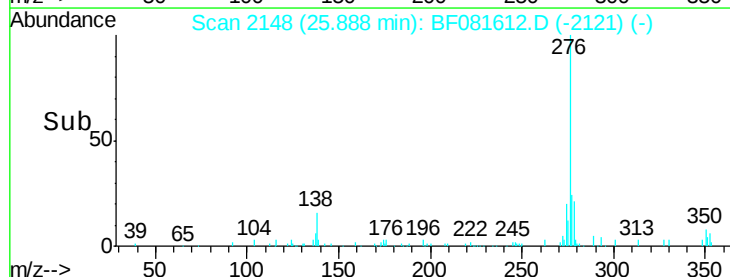
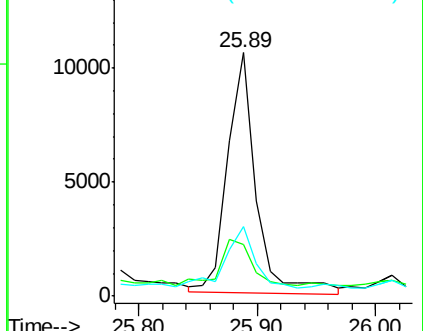
277 27.3 15.6 23.4#

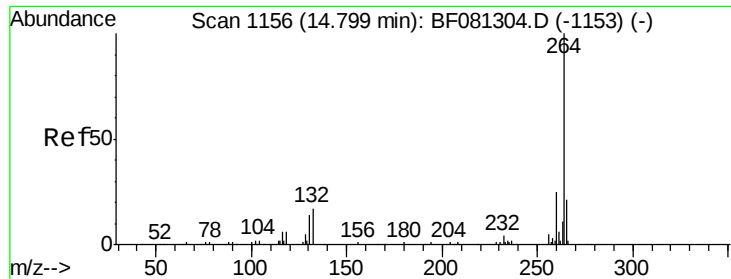


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



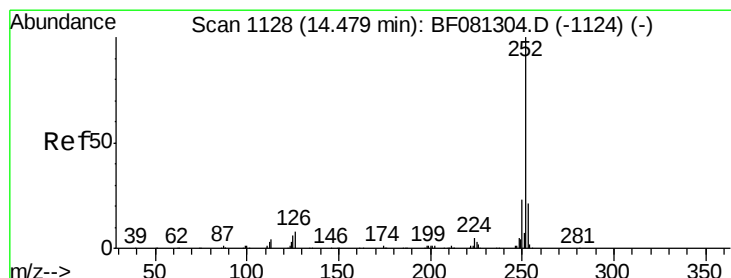
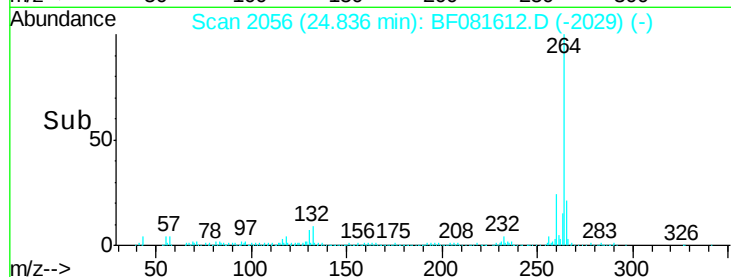
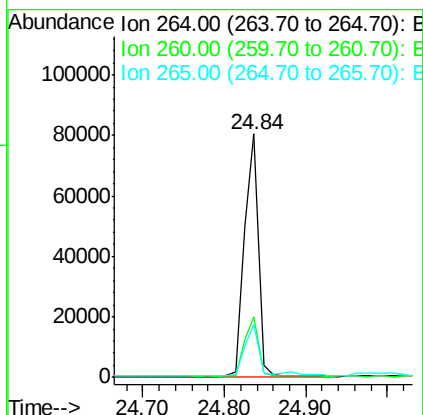
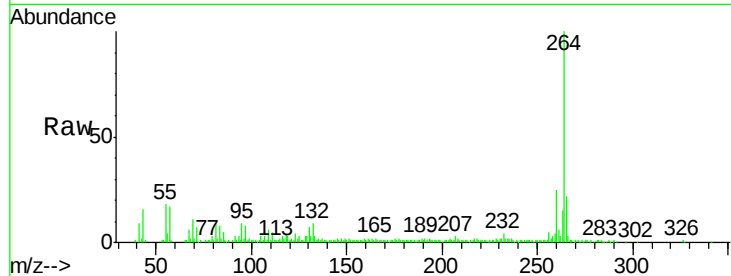


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.84 min Scan# 2056
Delta R.T. 0.01 min
Lab File: BF081612.D
Acq: 14 Sep 2015 17:37

Instrument :
BNA_F
ClientSampleId :
GP-6(0-5)

Tgt Ion:264 Resp: 97003

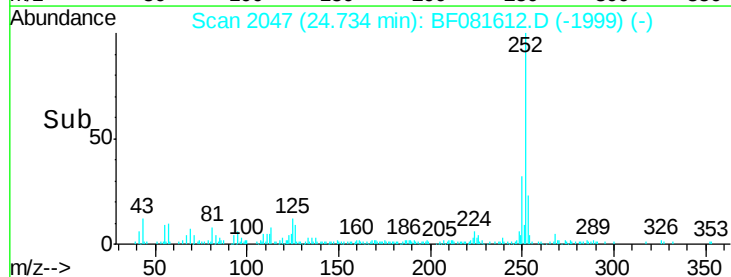
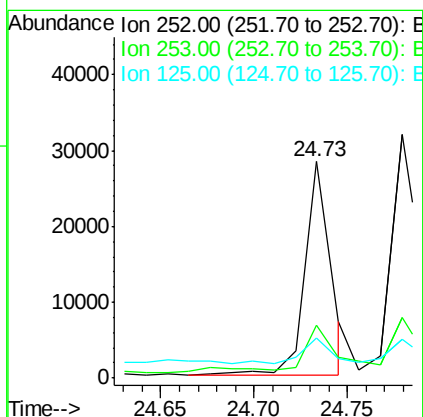
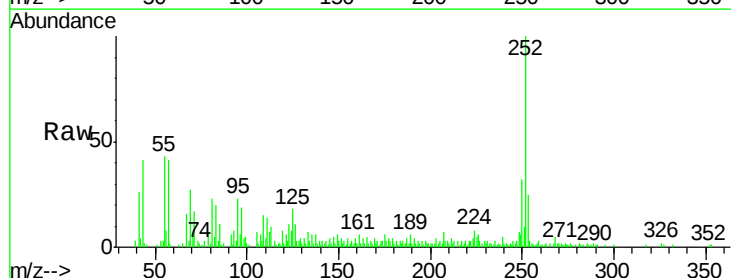
Ion	Ratio	Lower	Upper
264	100		
260	24.9	16.7	25.1
265	21.5	17.2	25.8

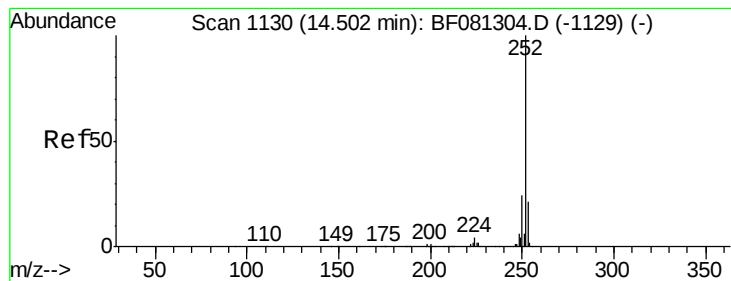


#87
Benzo(b)fluoranthene
Concen: 3.97 ng
RT: 24.73 min Scan# 2047
Delta R.T. 0.25 min
Lab File: BF081612.D
Acq: 14 Sep 2015 17:37

Tgt Ion:252 Resp: 27477

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	18.4	17.1	25.7





#88

Benzo(k)fluoranthene

Concen: 4.87 ng

RT: 24.73 min Scan# 2047

Delta R.T. 0.23 min

Lab File: BF081612.D

Acq: 14 Sep 2015 17:37

Instrument :

BNA_F

ClientSampleId :

GP-6(0-5)

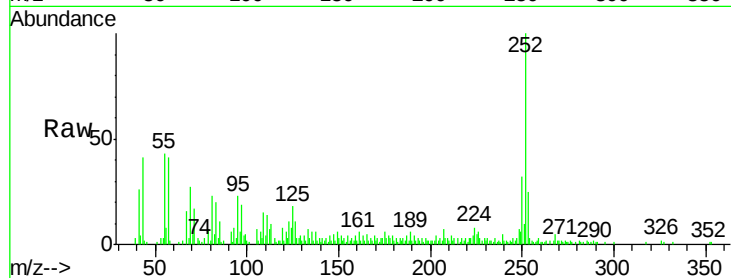
Tgt Ion:252 Resp: 27986

Ion Ratio Lower Upper

252 100

253 24.5 17.0 25.4

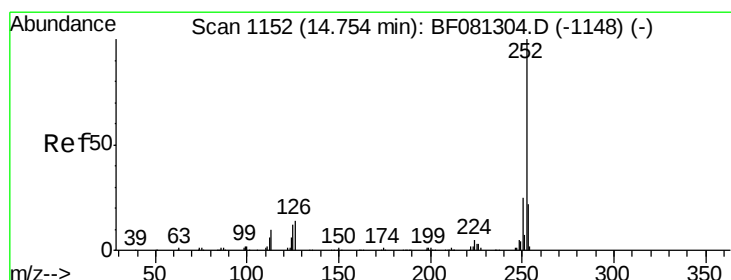
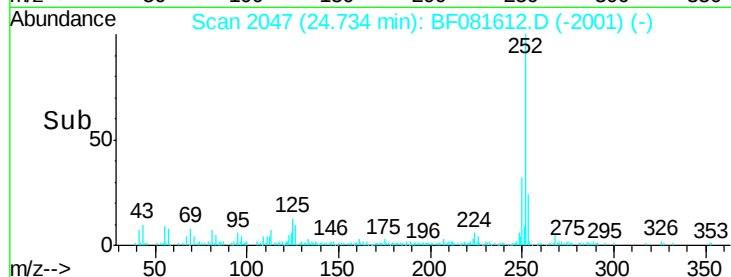
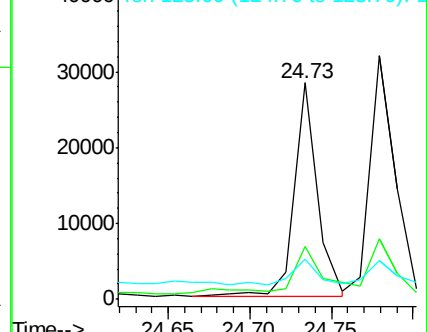
125 18.4 16.0 24.0



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: 4.77 ng

RT: 24.73 min Scan# 2047

Delta R.T. -0.05 min

Lab File: BF081612.D

Acq: 14 Sep 2015 17:37

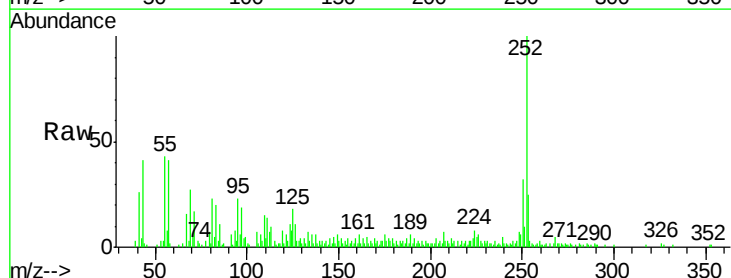
Tgt Ion:252 Resp: 27986

Ion Ratio Lower Upper

252 100

253 24.5 17.2 25.8

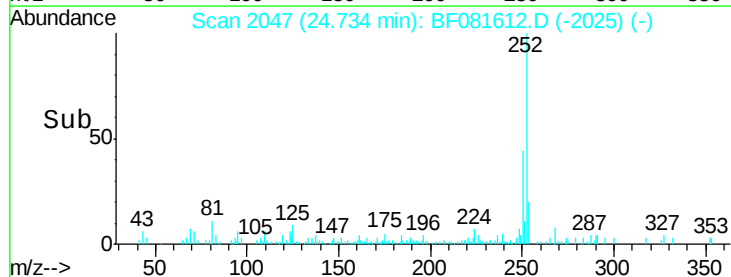
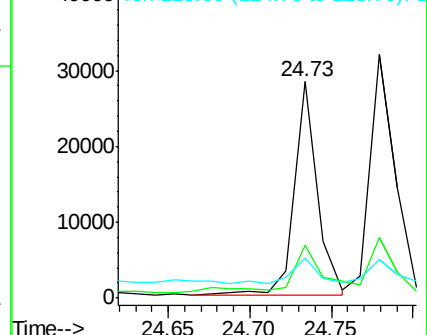
125 18.4 18.0 27.0

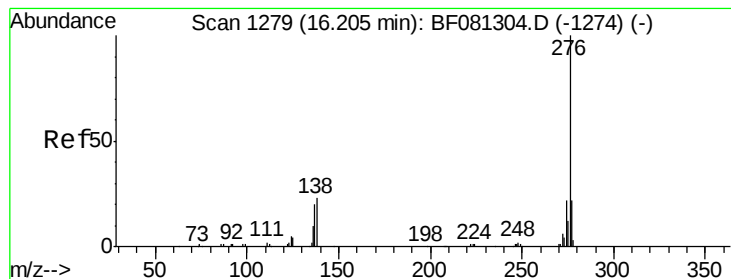


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 4.19 ng

RT: 26.20 min Scan# 2175

Delta R.T. 0.01 min

Lab File: BF081612.D

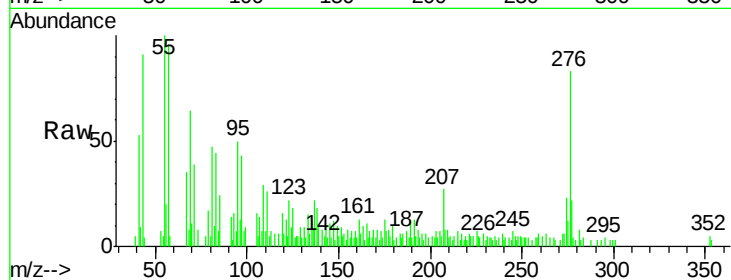
Acq: 14 Sep 2015 17:37

Instrument :

BNA_F

ClientSampleId :

GP-6(0-5)



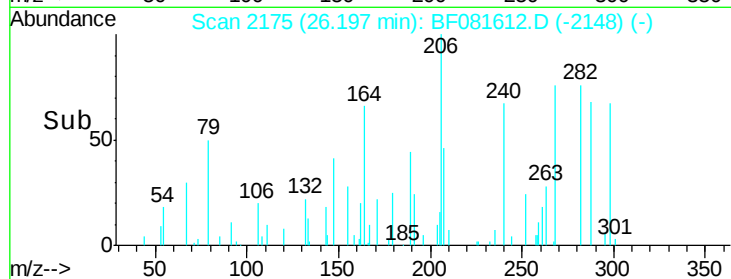
Tgt Ion: 276 Resp: 18146

Ion Ratio Lower Upper

276 100

277 25.9 17.8 26.6

138 21.1 34.6 51.8#



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

