

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091415\
 Data File : BF081617.D
 Acq On : 14 Sep 2015 20:40
 Operator : UM/IZ
 Sample : G3597-11 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-11(0-5)

Quant Time: Sep 15 03:37:41 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

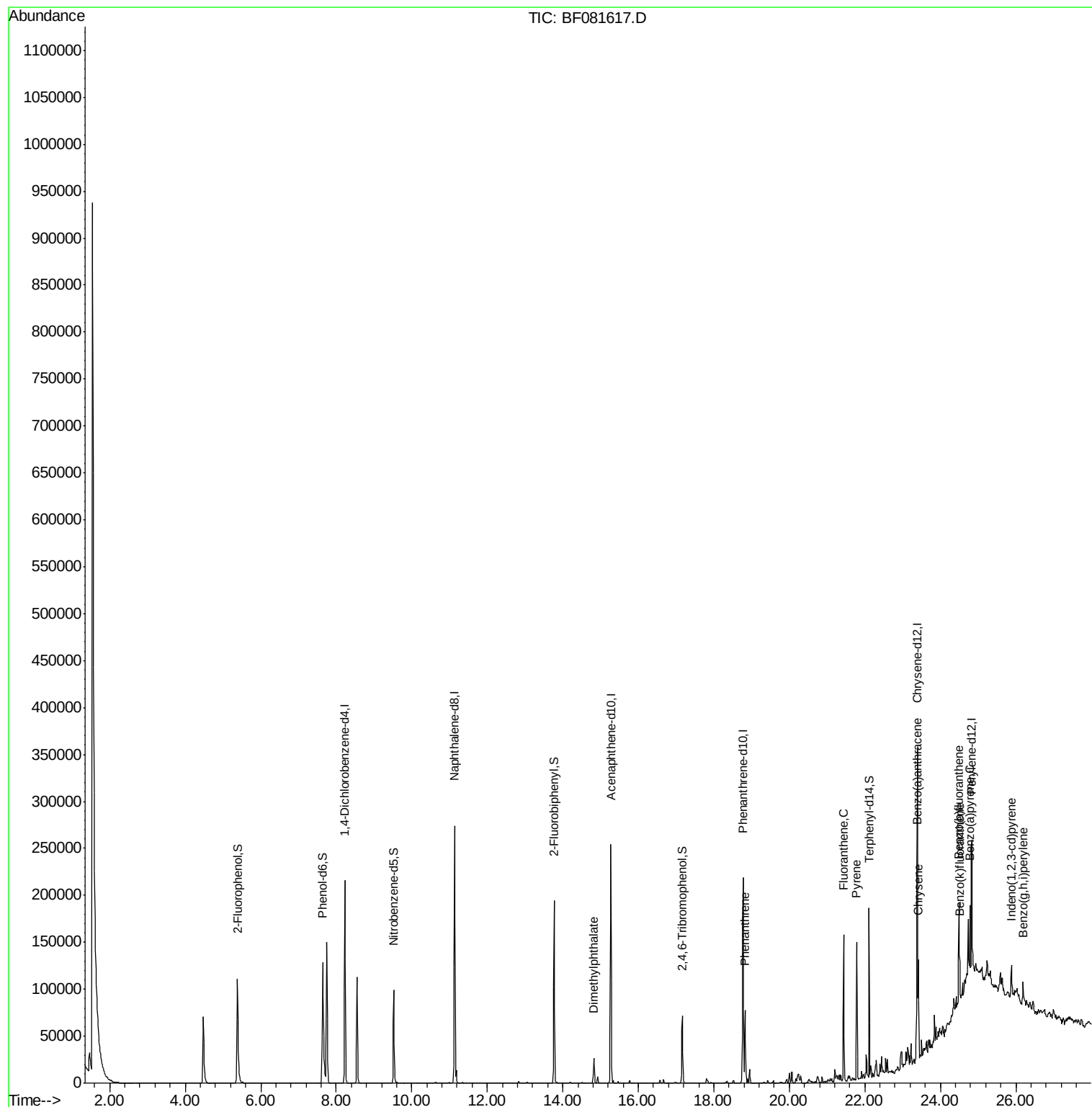
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	52091	20.00	ng	0.00
21) Naphthalene-d8	11.13	136	203795	20.00	ng	0.00
38) Acenaphthene-d10	15.27	164	89876	20.00	ng	0.00
63) Phenanthrene-d10	18.78	188	153073	20.00	ng	0.01
75) Chrysene-d12	23.40	240	107236	20.00	ng	0.00
86) Perylene-d12	24.84	264	71073	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	62371	18.58	ng	0.01
7) Phenol-d6	7.65	99	90736	20.42	ng	-0.01
23) Nitrobenzene-d5	9.52	82	57214	13.54	ng	-0.02
41) 2,4,6-Tribromophenol	17.17	330	13188	16.48	ng	-0.01
44) 2-Fluorobiphenyl	13.77	172	100260	14.30	ng	-0.01
78) Terphenyl-d14	22.12	244	58801	12.76	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.82	163	21828	3.13	ng	# 97
70) Phenanthrene	18.82	178	52784	6.20	ng	95
74) Fluoranthene	21.44	202	87035	9.45	ng	89
77) Pyrene	21.78	202	91940	11.57	ng	99
80) Benzo(a)anthracene	23.38	228	52044	7.62	ng	95
82) Chrysene	23.42	228	40408	6.60	ng	94
85) Indeno(1,2,3-cd)pyrene	25.89	276	13941	3.10	ng	# 86
87) Benzo(b)fluoranthene	24.49	252	47826m	9.43	ng	
88) Benzo(k)fluoranthene	24.52	252	14490m	3.44	ng	
89) Benzo(a)pyrene	24.78	252	30362m	7.06	ng	
91) Benzo(g,h,i)perylene	26.18	276	13181	4.16	ng	# 81

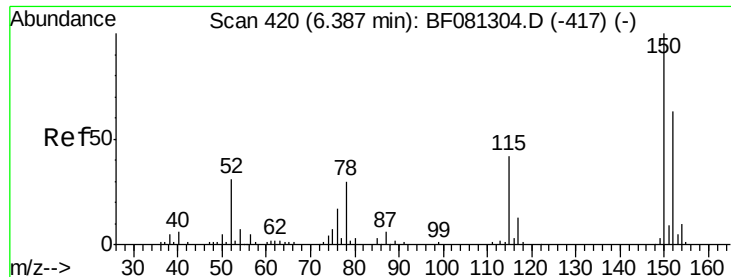
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091415\
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Quant Time: Sep 15 03:37:41 2015
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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: BF081617.D

Acq: 14 Sep 2015 20:40

Instrument :

BNA_F

ClientSampleId :

GP-11(0-5)

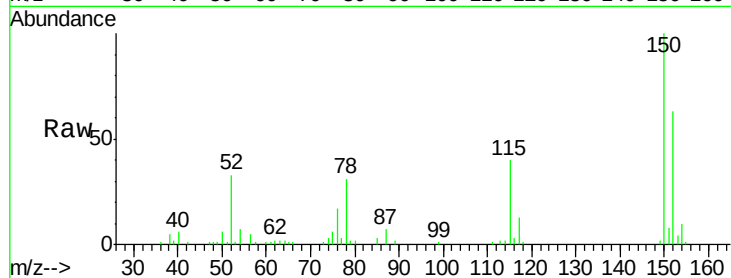
Tgt Ion:152 Resp: 52091

Ion Ratio Lower Upper

152 100

150 159.5 124.7 187.1

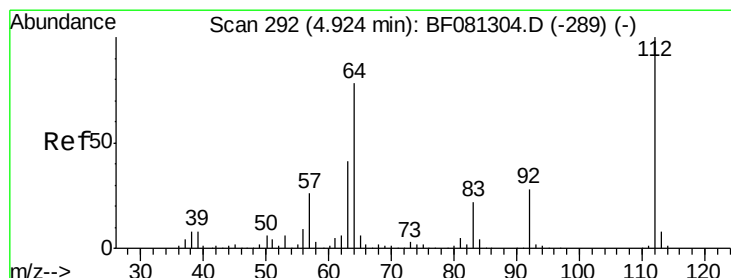
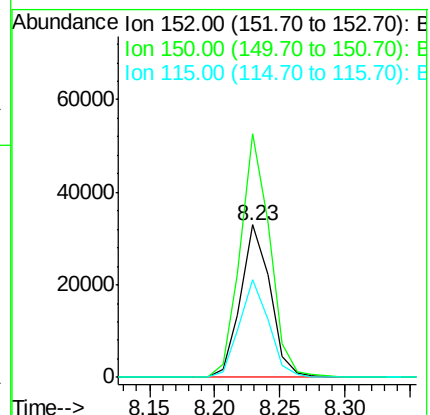
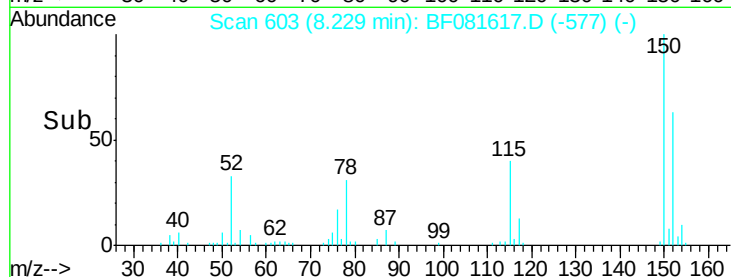
115 64.3 39.0 58.4#



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: 18.58 ng

RT: 5.38 min Scan# 354

Delta R.T. 0.01 min

Lab File: BF081617.D

Acq: 14 Sep 2015 20:40

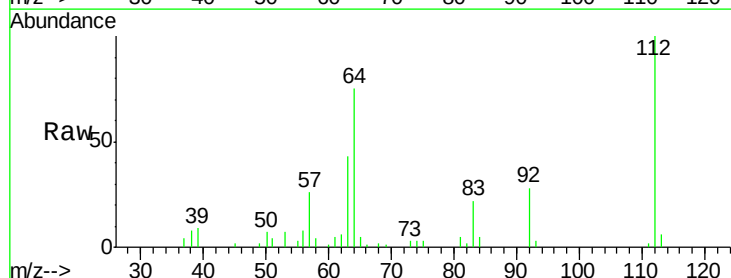
Tgt Ion:112 Resp: 62371

Ion Ratio Lower Upper

112 100

64 75.2 39.7 59.5#

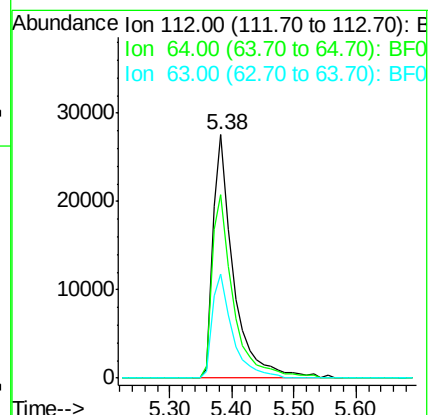
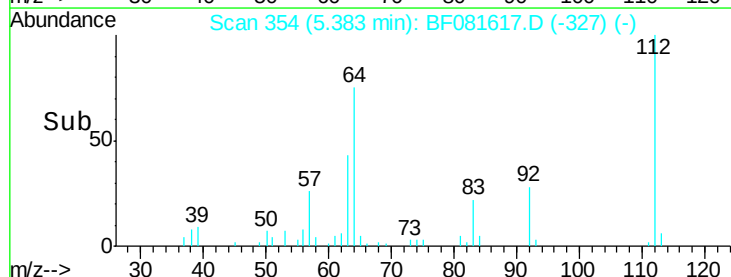
63 42.7 17.4 26.0#

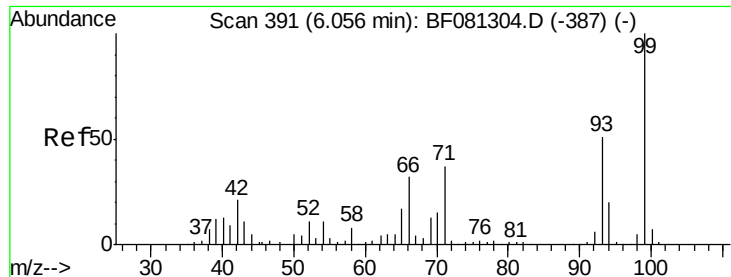


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 20.42 ng

RT: 7.65 min Scan# 552

Delta R.T. -0.01 min

Lab File: BF081617.D

Acq: 14 Sep 2015 20:40

Instrument :

BNA_F

ClientSampled :

GP-11(0-5)

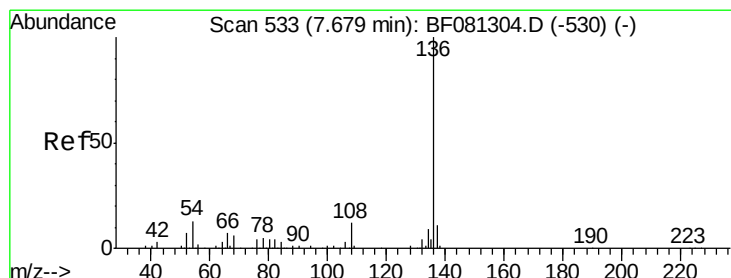
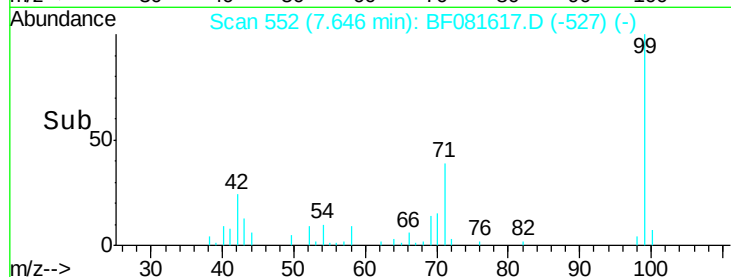
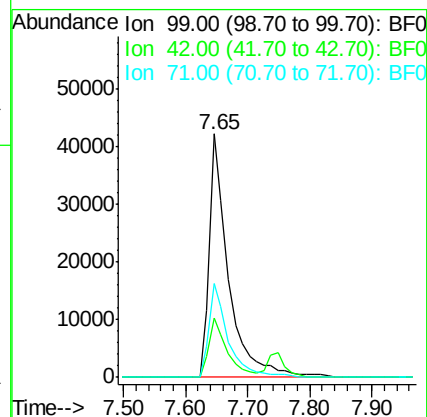
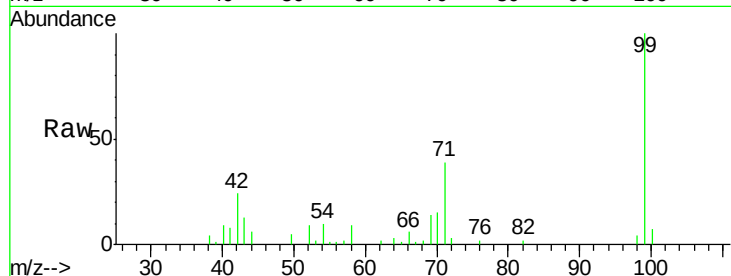
Tgt Ion: 99 Resp: 90736

Ion Ratio Lower Upper

99 100

42 24.3 13.7 20.5#

71 38.6 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.13 min Scan# 857

Delta R.T. -0.00 min

Lab File: BF081617.D

Acq: 14 Sep 2015 20:40

Tgt Ion: 136 Resp: 203795

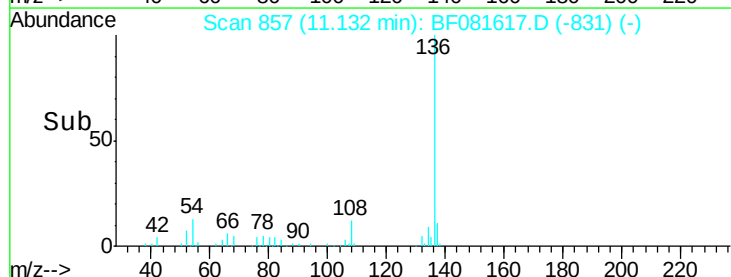
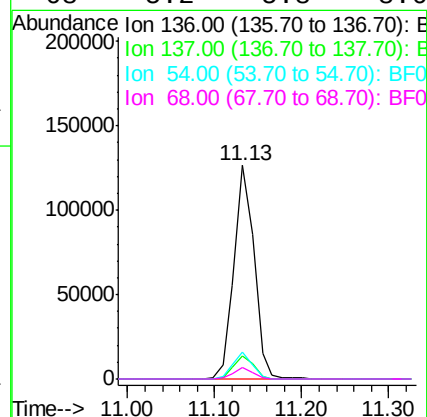
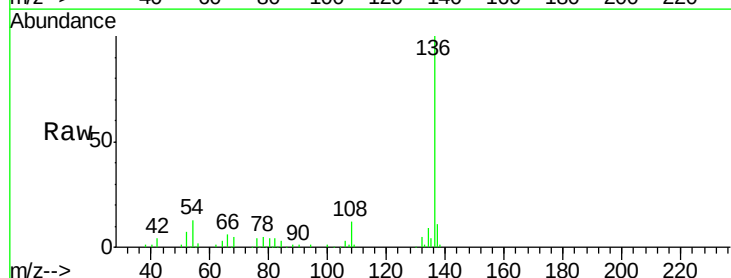
Ion Ratio Lower Upper

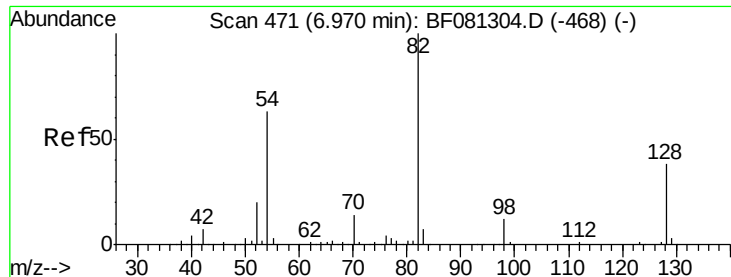
136 100

137 11.0 9.0 13.6

54 12.7 8.2 12.2#

68 5.2 5.8 8.6#

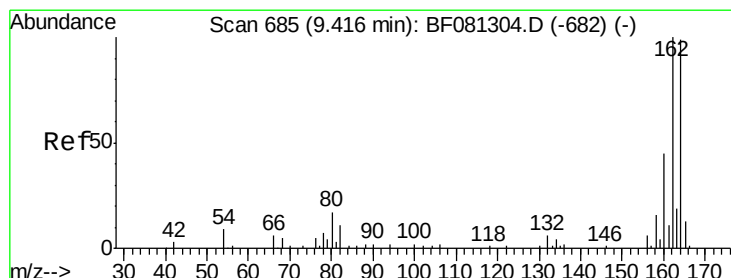
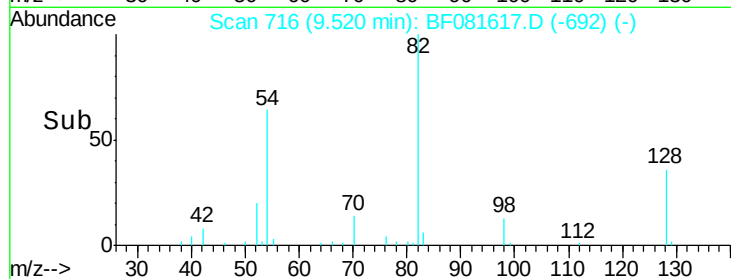
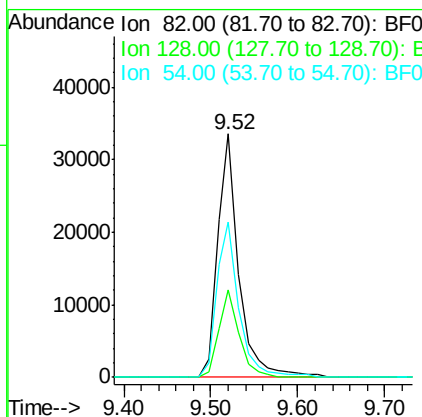
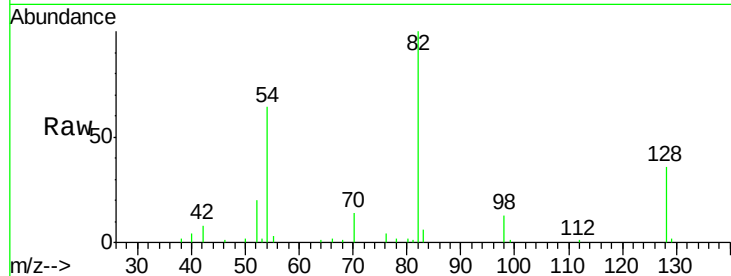




#23
 Nitrobenzene-d5
 Concen: 13.54 ng
 RT: 9.52 min Scan# 716
 Delta R.T. -0.02 min
 Lab File: BF081617.D
 Acq: 14 Sep 2015 20:40

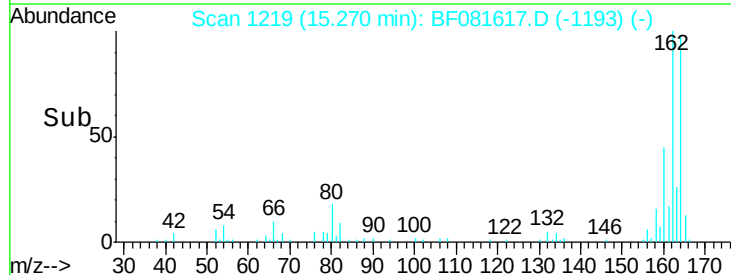
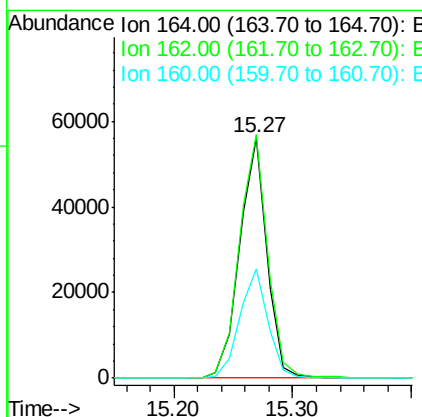
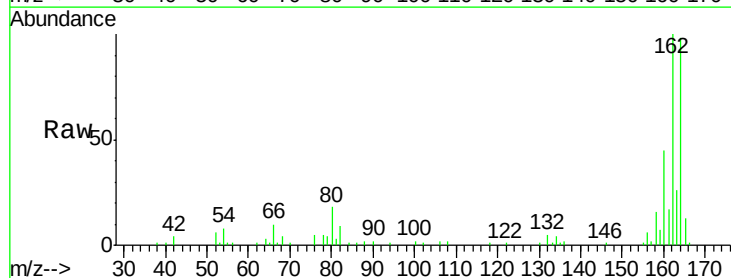
Instrument :
 BNA_F
 ClientSampleId :
 GP-11(0-5)

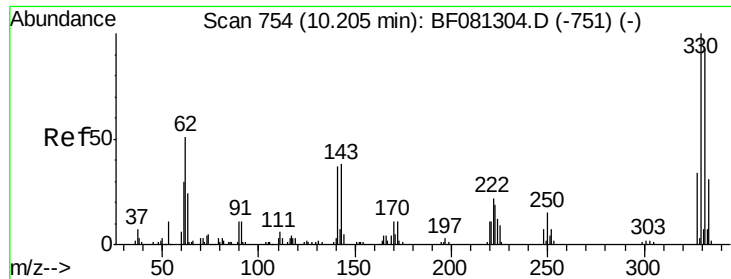
Tgt Ion: 82 Resp: 57214
 Ion Ratio Lower Upper
 82 100
 128 36.2 51.0 76.6#
 54 63.7 47.5 71.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.27 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: BF081617.D
 Acq: 14 Sep 2015 20:40

Tgt Ion: 164 Resp: 89876
 Ion Ratio Lower Upper
 164 100
 162 101.5 75.2 112.8
 160 45.4 31.5 47.3

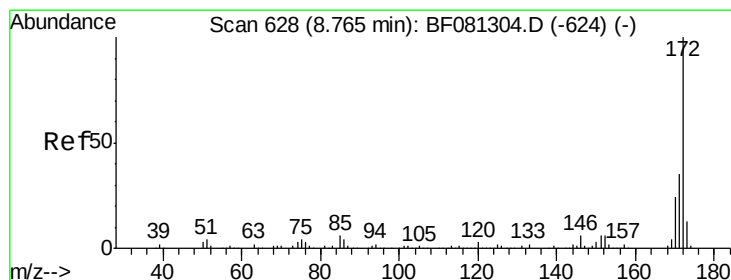
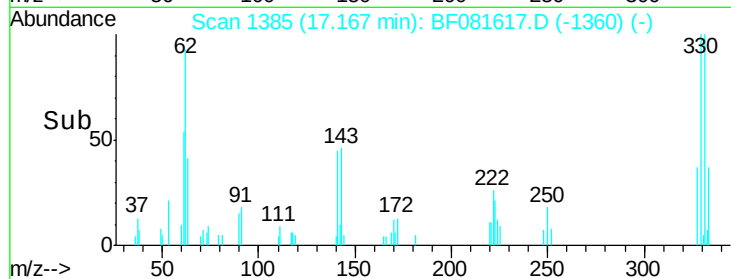
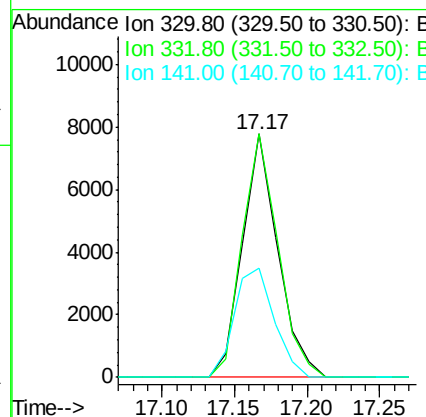
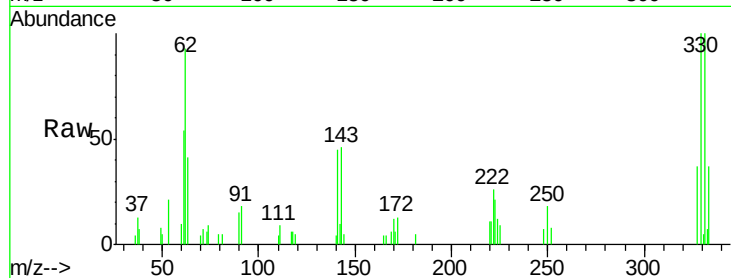




#41
 2,4,6-Tribromophenol
 Concen: 16.48 ng
 RT: 17.17 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BF081617.D
 Acq: 14 Sep 2015 20:40

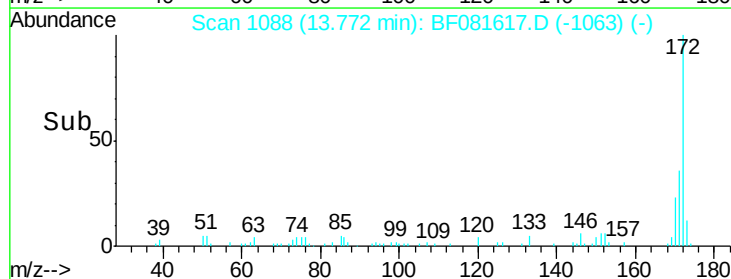
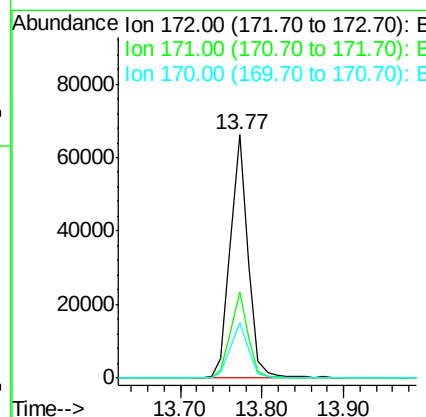
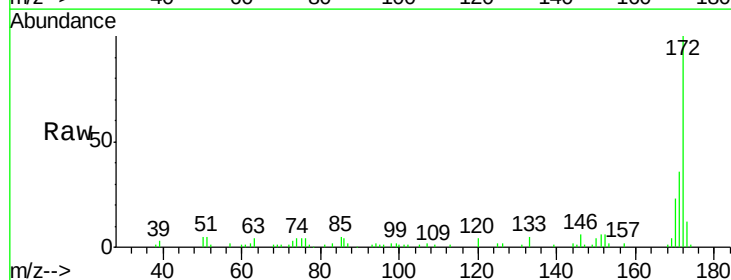
Instrument :
 BNA_F
 ClientSampleId :
 GP-11(0-5)

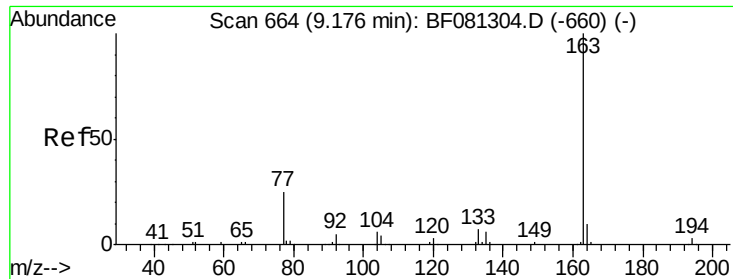
Tgt Ion:330 Resp: 13188
 Ion Ratio Lower Upper
 330 100
 332 101.3 76.6 114.8
 141 50.5 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 14.30 ng
 RT: 13.77 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BF081617.D
 Acq: 14 Sep 2015 20:40

Tgt Ion:172 Resp: 100260
 Ion Ratio Lower Upper
 172 100
 171 35.6 26.1 39.1
 170 22.8 17.4 26.2





#49

Dimethylphthalate

Concen: 3.13 ng

RT: 14.82 min Scan# 1180

Delta R.T. -0.05 min

Lab File: BF081617.D

Acq: 14 Sep 2015 20:40

Instrument :

BNA_F

ClientSampleId :

GP-11(0-5)

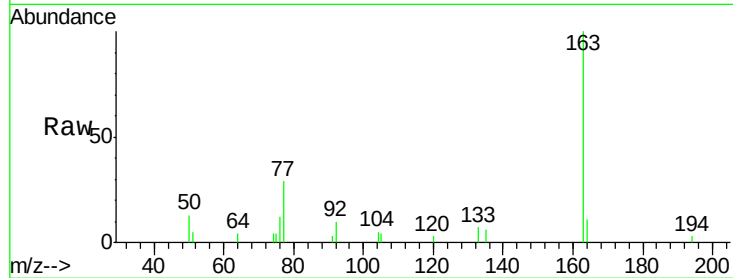
Tgt Ion:163 Resp: 21828

Ion Ratio Lower Upper

163 100

194 3.2 4.4 6.6#

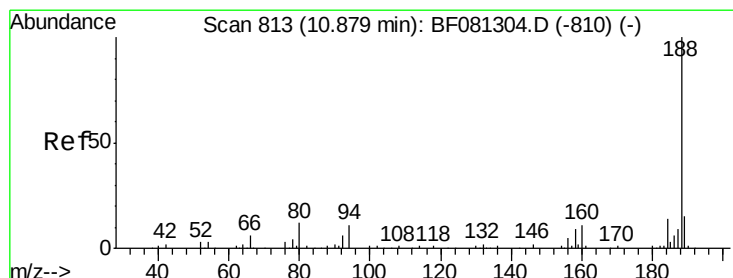
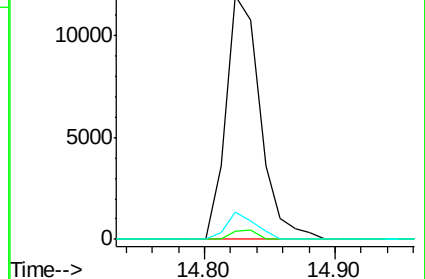
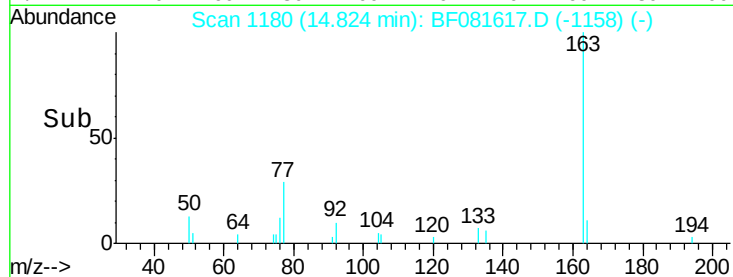
164 11.0 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.78 min Scan# 1526

Delta R.T. 0.01 min

Lab File: BF081617.D

Acq: 14 Sep 2015 20:40

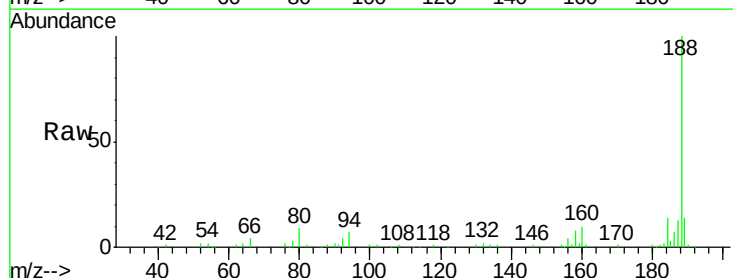
Tgt Ion:188 Resp: 153073

Ion Ratio Lower Upper

188 100

94 7.1 11.1 16.7#

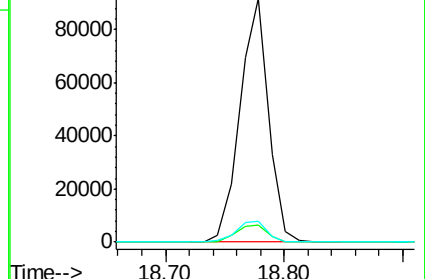
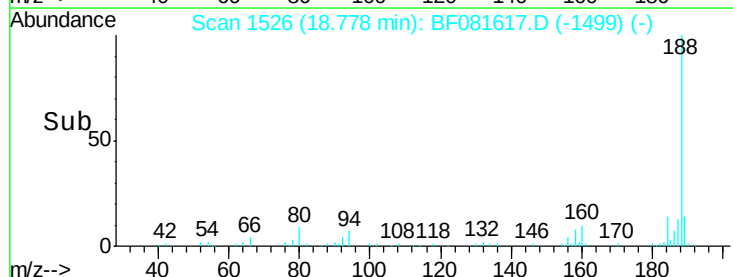
80 8.7 11.0 16.4#

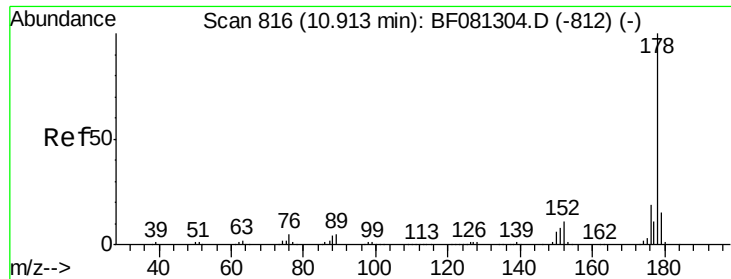


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 6.20 ng

RT: 18.82 min Scan# 1530

Delta R.T. -0.01 min

Lab File: BF081617.D

Acq: 14 Sep 2015 20:40

Instrument :

BNA_F

ClientSampleId :

GP-11(0-5)

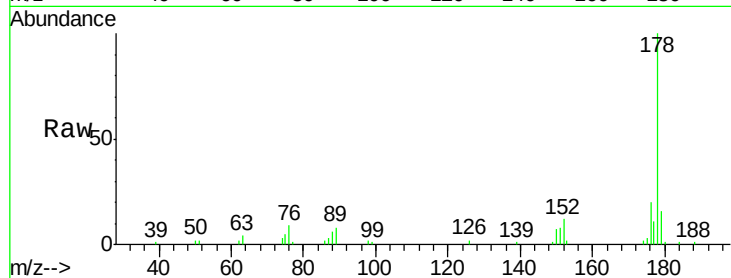
Tgt Ion:178 Resp: 52784

Ion Ratio Lower Upper

178 100

176 20.4 13.8 20.8

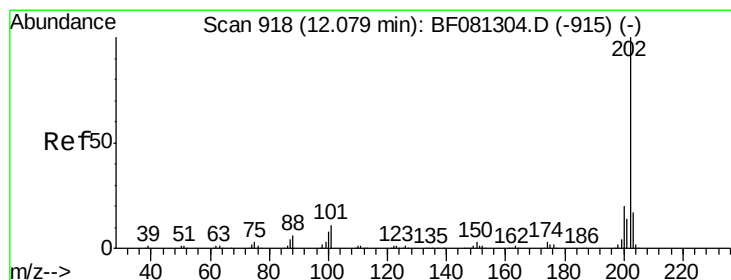
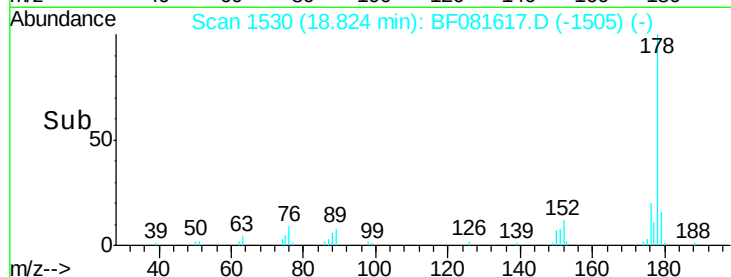
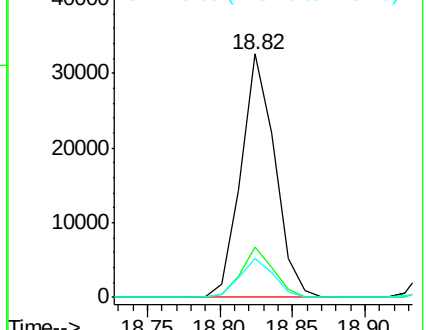
179 15.9 12.2 18.2



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: 9.45 ng

RT: 21.44 min Scan# 1759

Delta R.T. -0.00 min

Lab File: BF081617.D

Acq: 14 Sep 2015 20:40

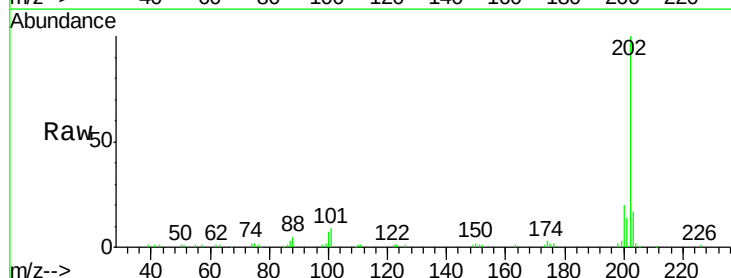
Tgt Ion:202 Resp: 87035

Ion Ratio Lower Upper

202 100

101 8.7 0.0 38.3

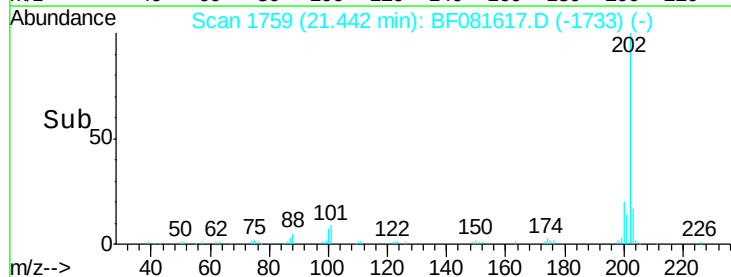
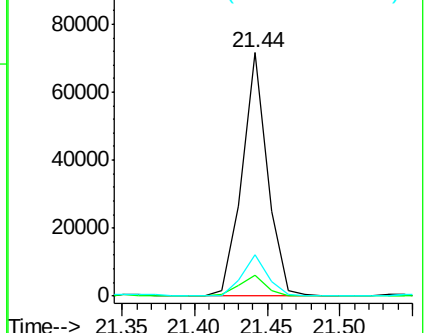
203 16.9 0.0 37.3

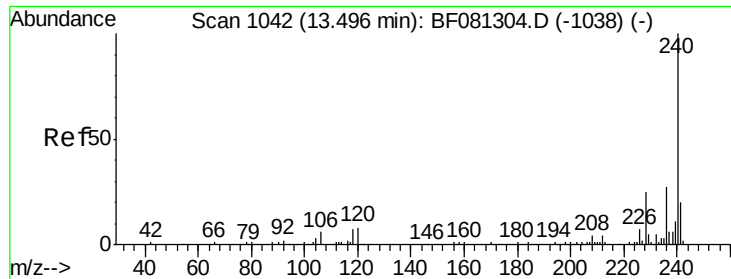


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

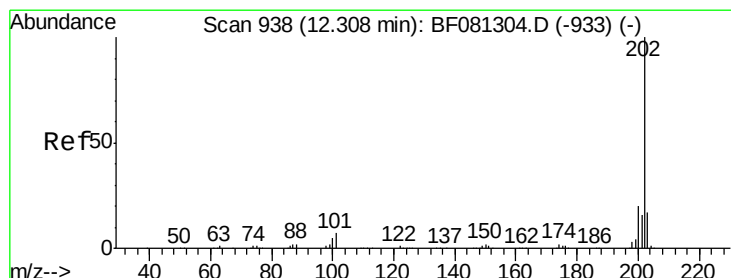
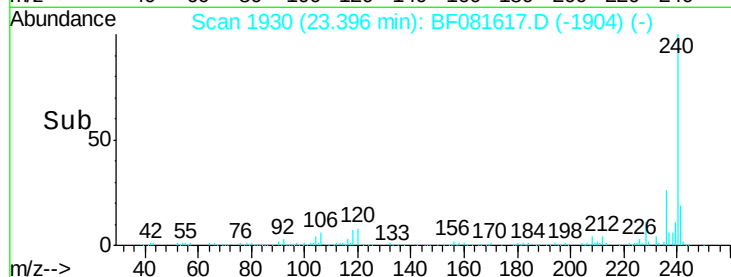
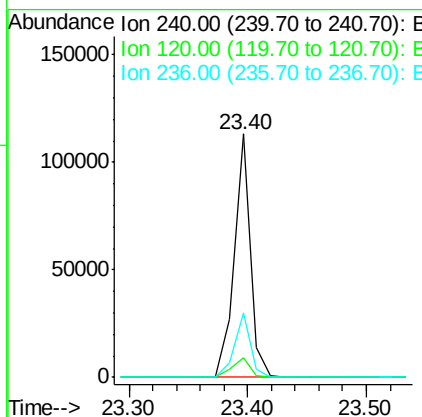
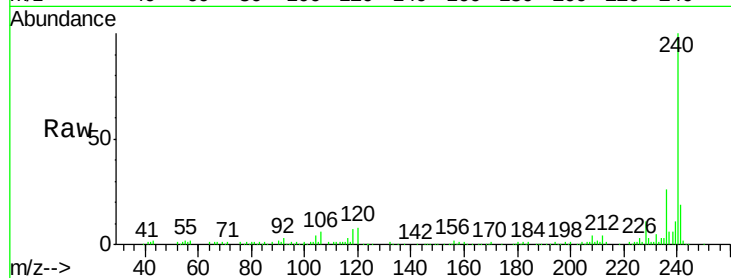




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 23.40 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: BF081617.D
 Acq: 14 Sep 2015 20:40

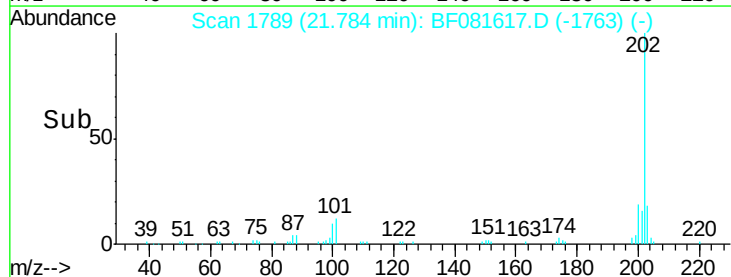
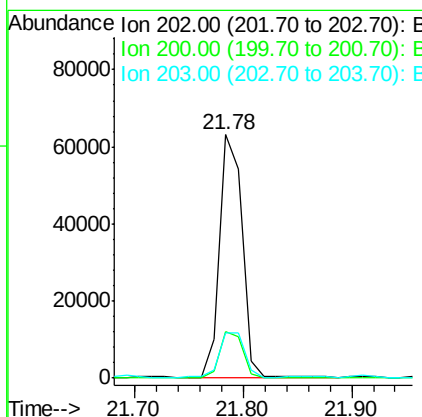
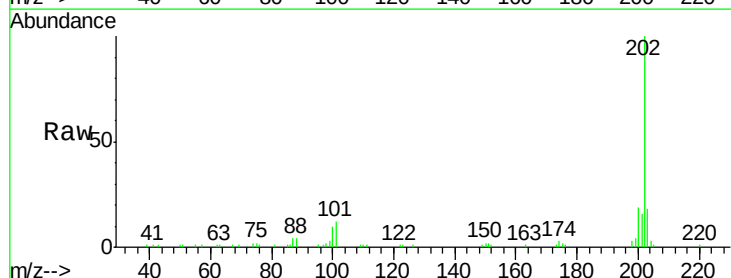
Instrument :
 BNA_F
 ClientSampleId :
 GP-11(0-5)

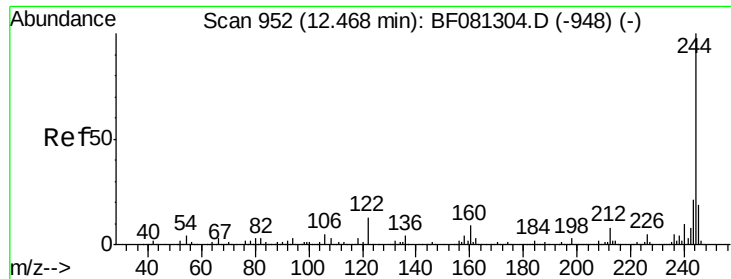
Tgt Ion:240 Resp: 107236
 Ion Ratio Lower Upper
 240 100
 120 7.9 16.2 24.2#
 236 26.3 18.4 27.6



#77
 Pyrene
 Concen: 11.57 ng
 RT: 21.78 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: BF081617.D
 Acq: 14 Sep 2015 20:40

Tgt Ion:202 Resp: 91940
 Ion Ratio Lower Upper
 202 100
 200 19.0 15.0 22.4
 203 18.4 14.1 21.1





#78

Terphenyl-d14

Concen: 12.76 ng

RT: 22.12 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF081617.D

Acq: 14 Sep 2015 20:40

Instrument :

BNA_F

ClientSampleId :

GP-11(0-5)

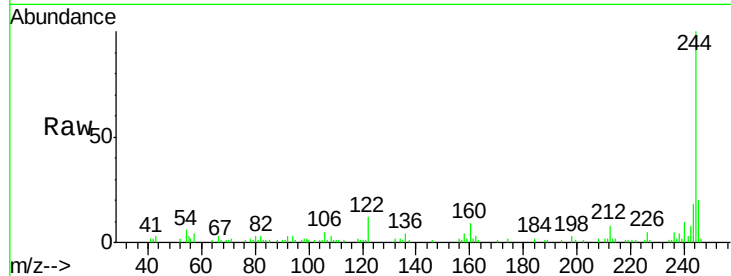
Tgt Ion:244 Resp: 58801

Ion Ratio Lower Upper

244 100

212 8.4 4.3 6.5#

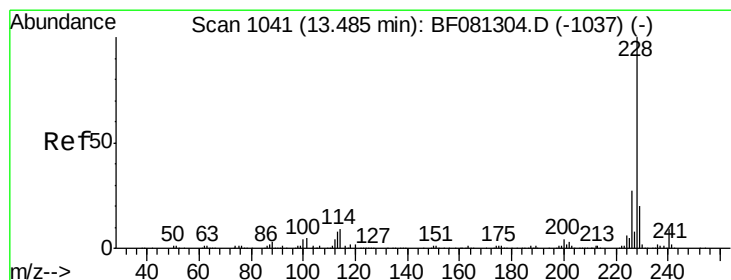
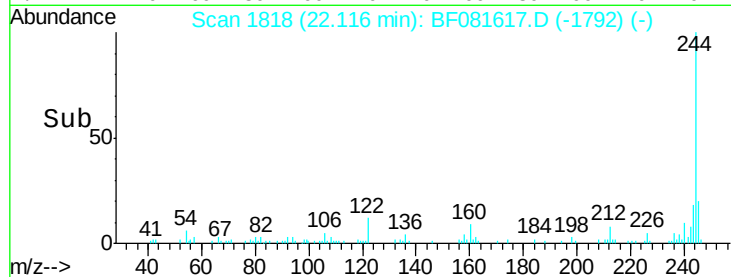
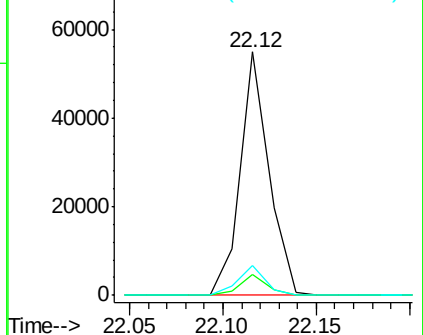
122 12.1 17.4 26.2#



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: 7.62 ng

RT: 23.38 min Scan# 1929

Delta R.T. 0.01 min

Lab File: BF081617.D

Acq: 14 Sep 2015 20:40

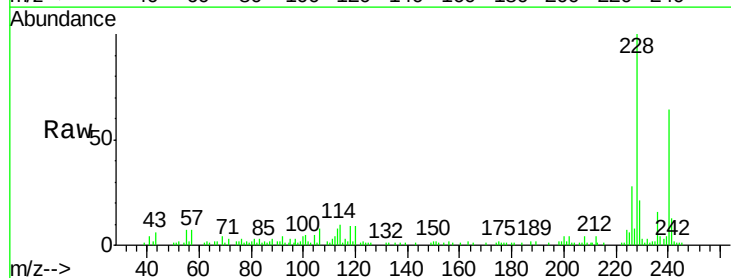
Tgt Ion:228 Resp: 52044

Ion Ratio Lower Upper

228 100

226 28.3 20.0 30.0

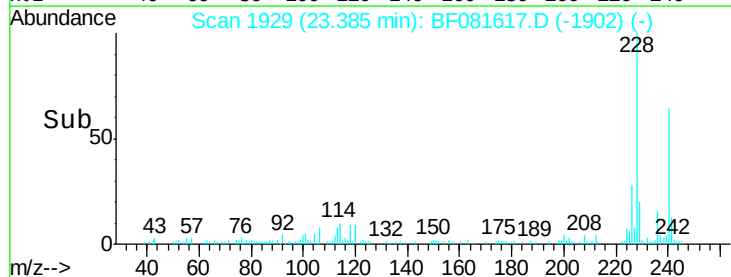
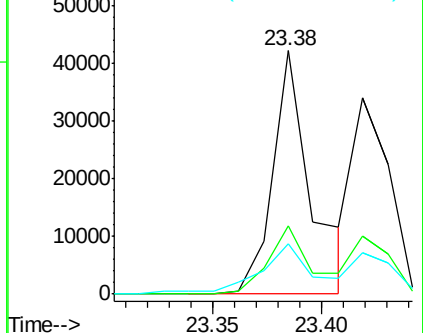
229 20.7 15.4 23.2

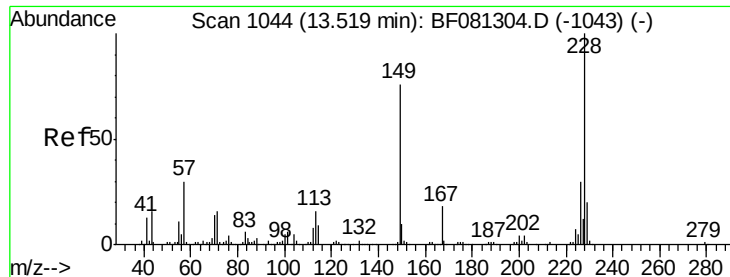


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.60 ng

RT: 23.42 min Scan# 1932

Delta R.T. -0.00 min

Lab File: BF081617.D

Acq: 14 Sep 2015 20:40

Instrument :

BNA_F

ClientSampleId :

GP-11(0-5)

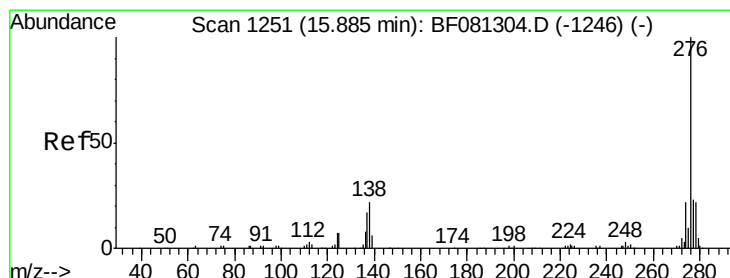
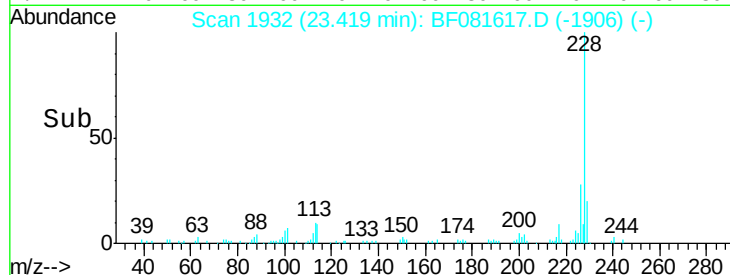
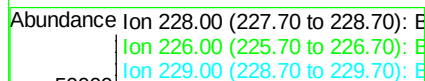
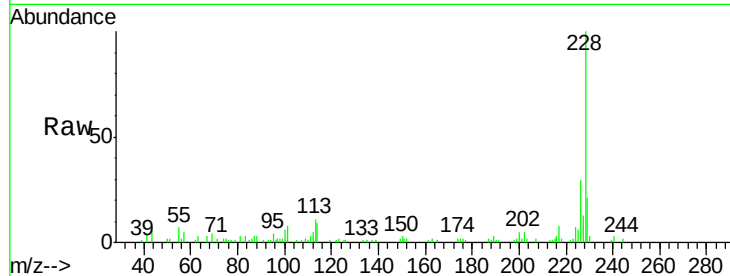
Tgt Ion:228 Resp: 40408

Ion Ratio Lower Upper

228 100

226 29.6 21.0 31.4

229 21.4 15.6 23.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.10 ng

RT: 25.89 min Scan# 2148

Delta R.T. 0.01 min

Lab File: BF081617.D

Acq: 14 Sep 2015 20:40

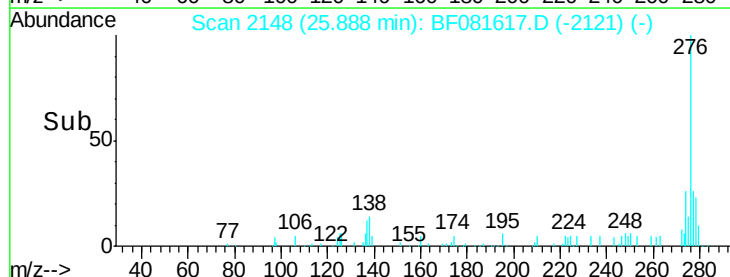
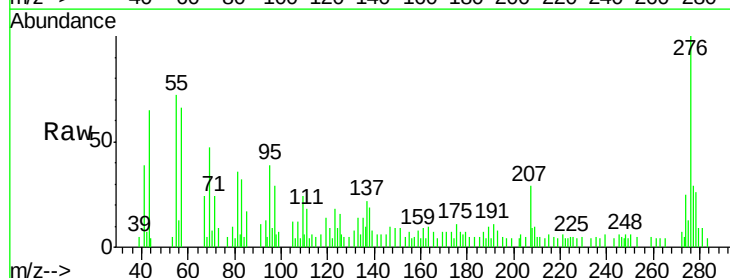
Tgt Ion:276 Resp: 13941

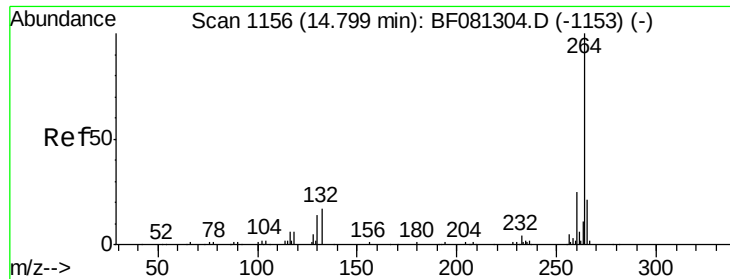
Ion Ratio Lower Upper

276 100

138 25.7 25.7 38.5

277 27.5 15.6 23.4#



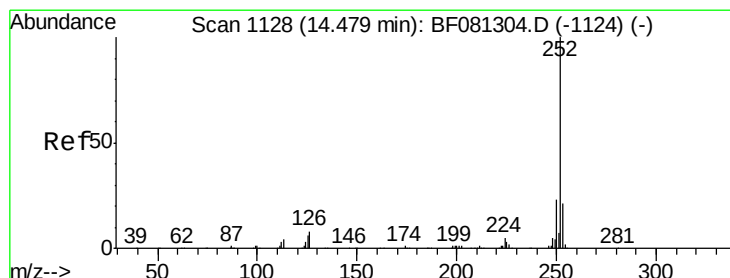
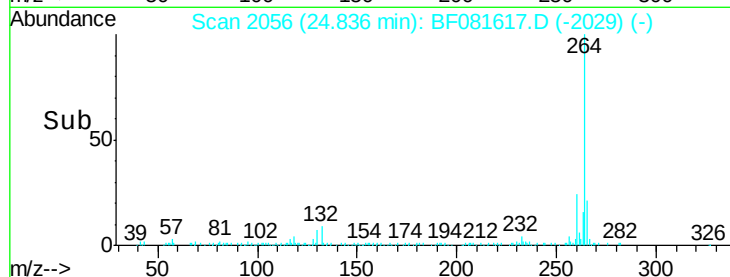
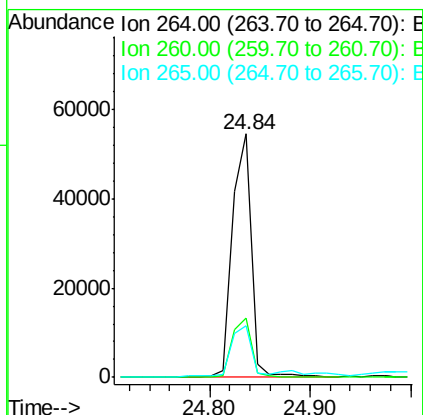
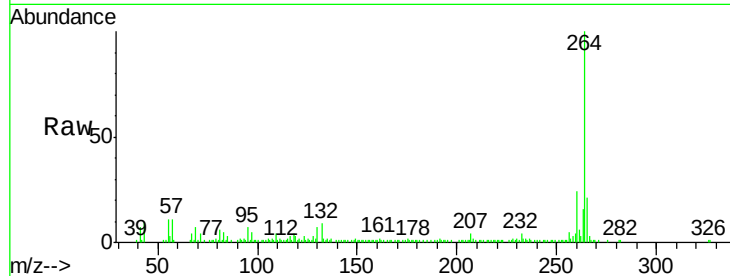


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.84 min Scan# 2056
Delta R.T. 0.01 min
Lab File: BF081617.D
Acq: 14 Sep 2015 20:40

Instrument :
BNA_F
ClientSampleId :
GP-11(0-5)

Tgt Ion: 264 Resp: 71073

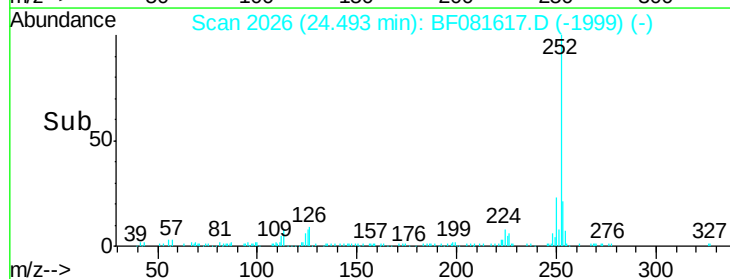
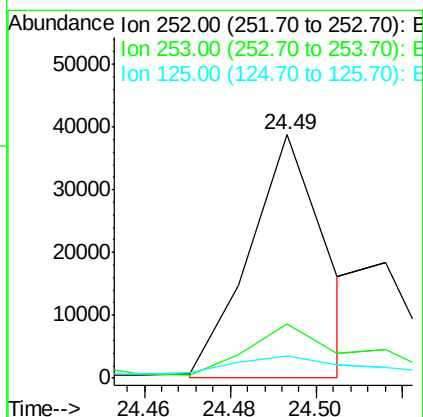
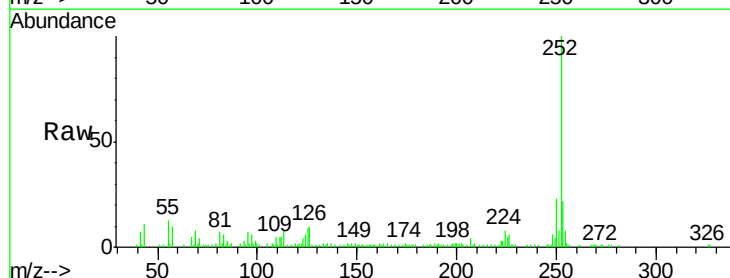
Ion	Ratio	Lower	Upper
264	100		
260	24.1	16.7	25.1
265	21.3	17.2	25.8

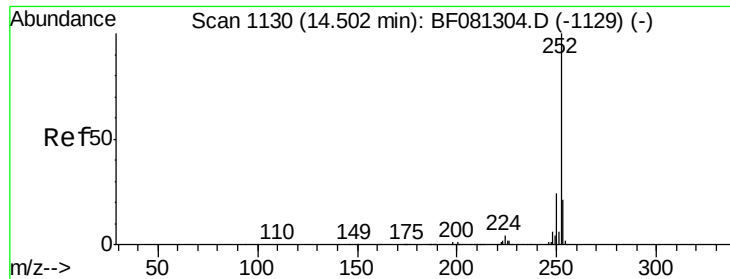


#87
Benzo(b)fluoranthene
Concen: 9.43 ng m
RT: 24.49 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF081617.D
Acq: 14 Sep 2015 20:40

Tgt Ion: 252 Resp: 47826

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	9.0	17.1	25.7#





#88

Benzo(k)fluoranthene

Concen: 3.44 ng m

RT: 24.52 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF081617.D

Acq: 14 Sep 2015 20:40

Instrument :

BNA_F

ClientSampleId :

GP-11(0-5)

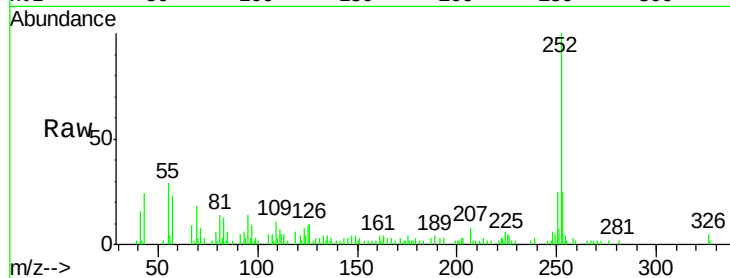
Tgt Ion:252 Resp: 14490

Ion Ratio Lower Upper

252 100

253 24.5 17.0 25.4

125 9.3 16.0 24.0#

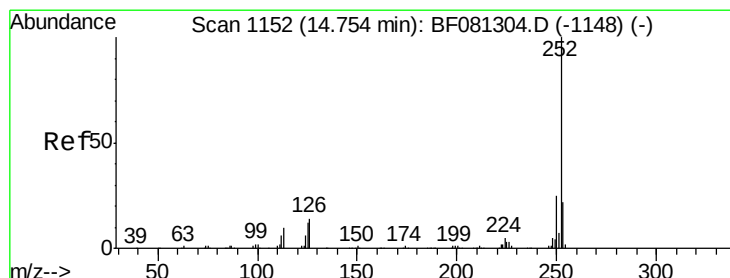
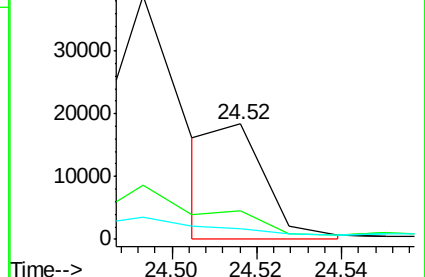
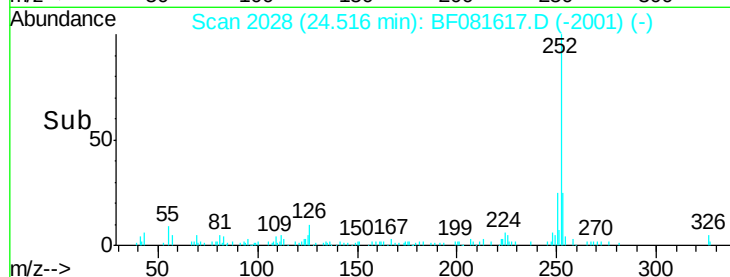


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



#89

Benzo(a)pyrene

Concen: 7.06 ng m

RT: 24.78 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BF081617.D

Acq: 14 Sep 2015 20:40

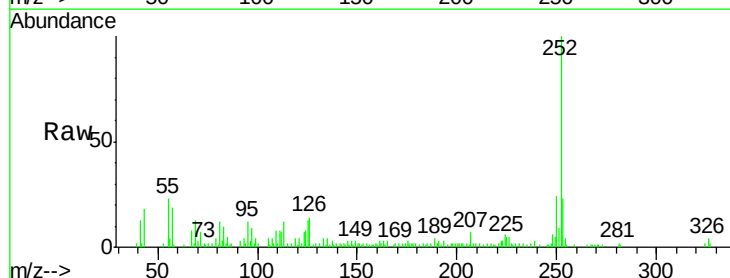
Tgt Ion:252 Resp: 30362

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

125 13.5 18.0 27.0#

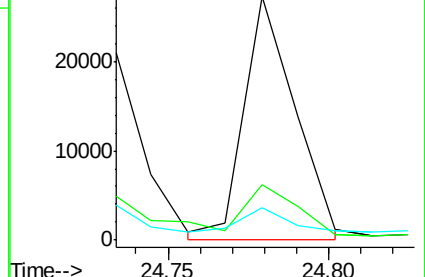
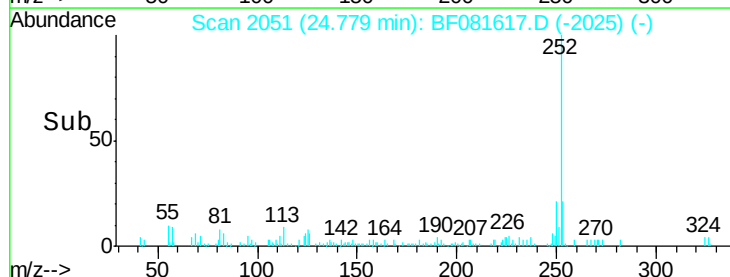


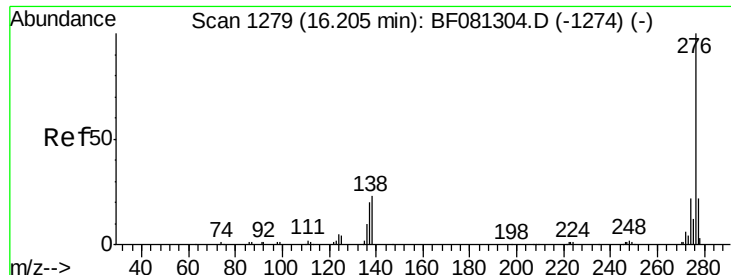
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->





#91

Benzo(g,h,i)perylene

Concen: 4.16 ng

RT: 26.18 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BF081617.D

Acq: 14 Sep 2015 20:40

Instrument :

BNA_F

ClientSampleId :

GP-11(0-5)

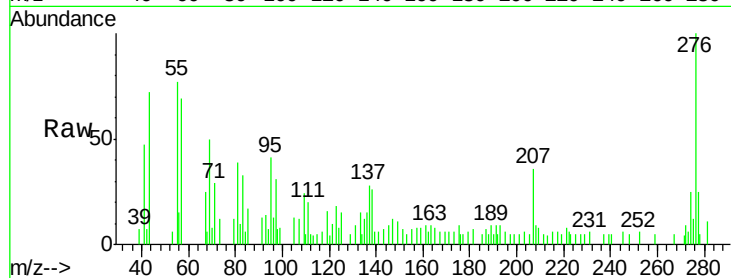
Tgt Ion: 276 Resp: 13181

Ion Ratio Lower Upper

276 100

277 24.5 17.8 26.6

138 26.0 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

