

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 02:13:13 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

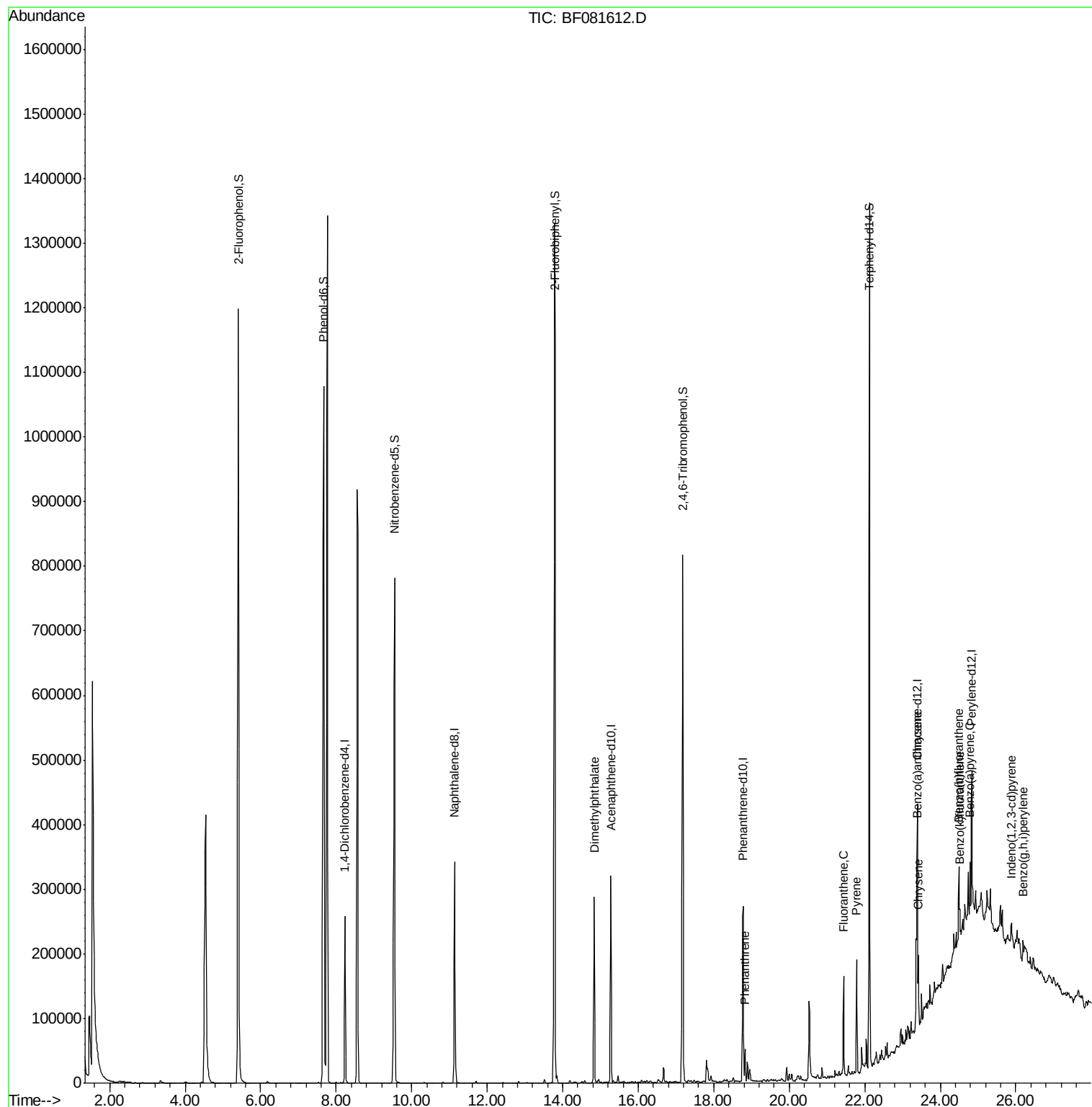
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	63051	20.00	ng	0.00
21) Naphthalene-d8	11.13	136	248104	20.00	ng	0.00
38) Acenaphthene-d10	15.27	164	111390	20.00	ng	0.00
63) Phenanthrene-d10	18.78	188	197424	20.00	ng	0.01
75) Chrysene-d12	23.40	240	122886	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						
49) Dimethylphthalate	14.84	163	186066	21.50	ng	Qvalue # 98
70) Phenanthrene	18.82	178	33549	3.06	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	24.49	252	54485m	7.87	ng	
88) Benzo(k)fluoranthene	24.52	252	15070m	2.62	ng	
89) Benzo(a)pyrene	24.78	252	34934m	5.95	ng	
91) Benzo(g,h,i)perylene	26.20	276	18146	4.19	ng	# 75

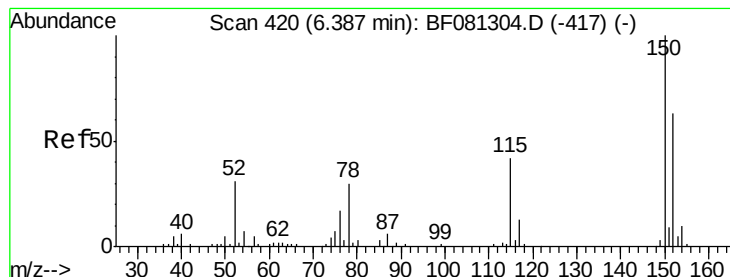
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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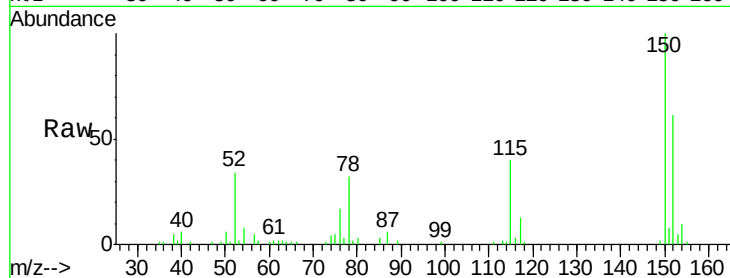


#1

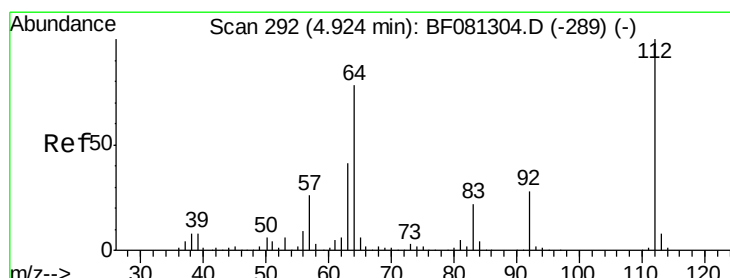
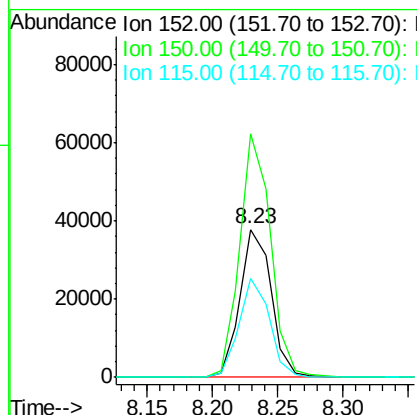
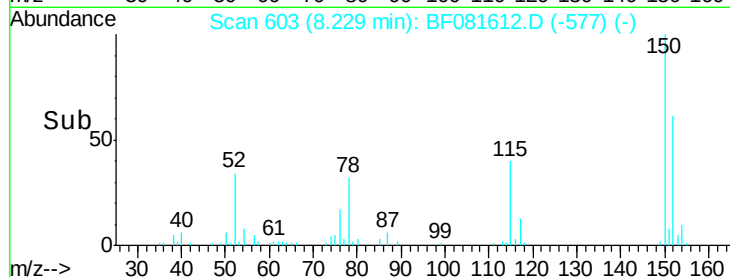
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.23 min Scan# 603
Delta R.T. 0.00 min
Lab File: BF081612.D
Acq: 14 Sep 2015 17:37

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#



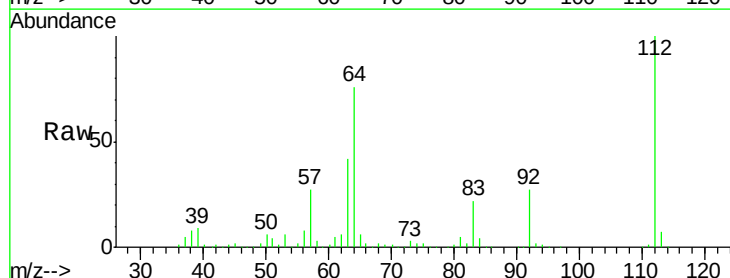
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



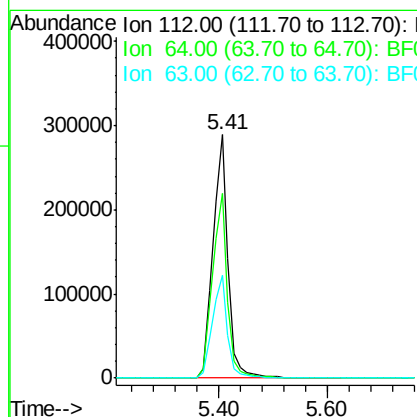
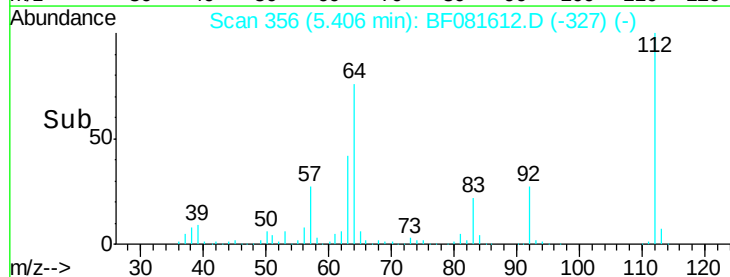
#5

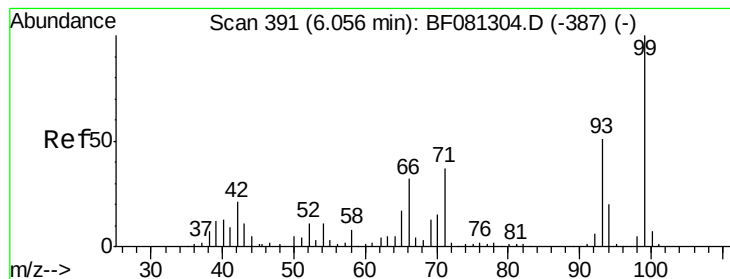
2-Fluorophenol
Concen: 139.13 ng
RT: 5.41 min Scan# 356
Delta R.T. 0.03 min
Lab File: BF081612.D
Acq: 14 Sep 2015 17:37

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

Instrument :

BNA_F

ClientSampleId :

GP-6(0-5)

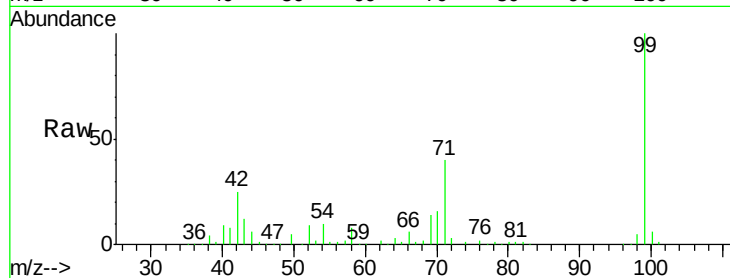
Tgt Ion: 99 Resp: 819669

Ion Ratio Lower Upper

99 100

42 24.7 13.7 20.5#

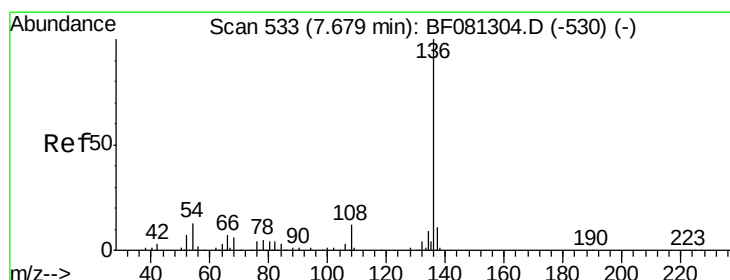
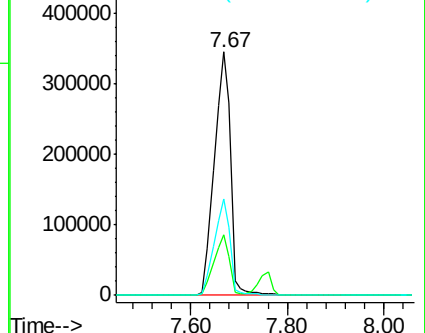
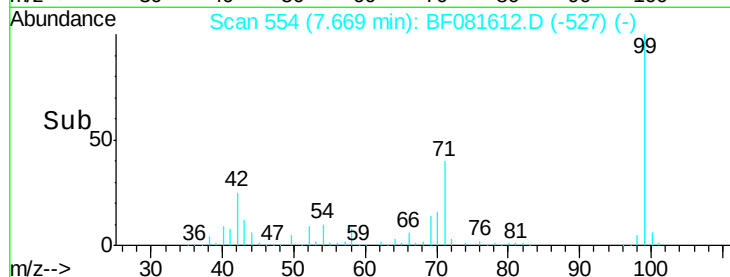
71 39.6 14.2 21.2#



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



#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

Tgt Ion: 136 Resp: 248104

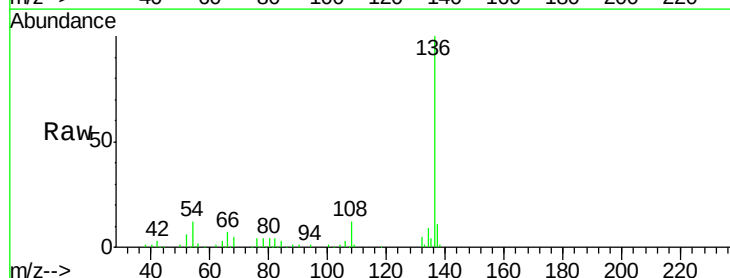
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 12.3 8.2 12.2#

68 5.3 5.8 8.6#

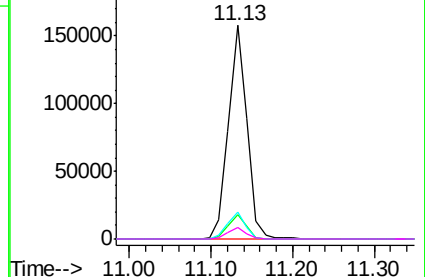
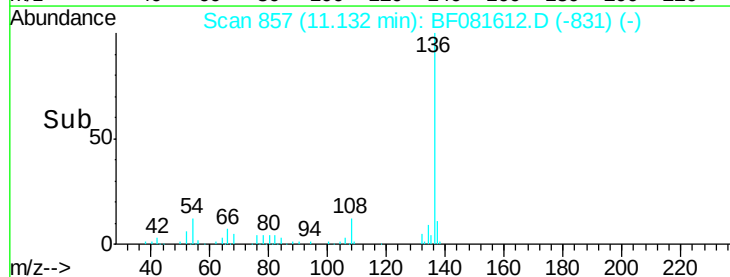


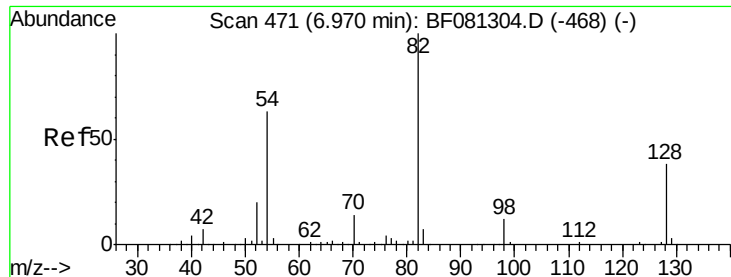
Abundance Ion 136.00 (135.70 to 136.70): E

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

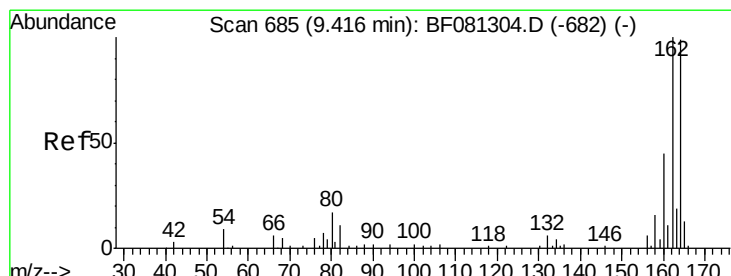
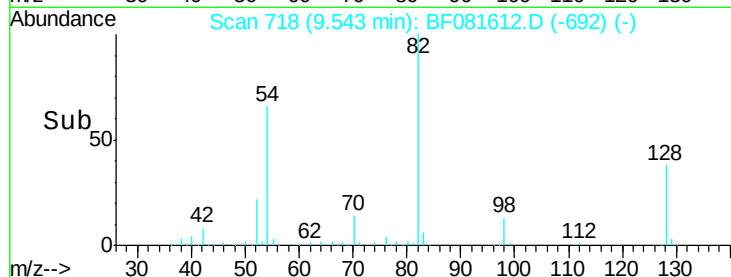
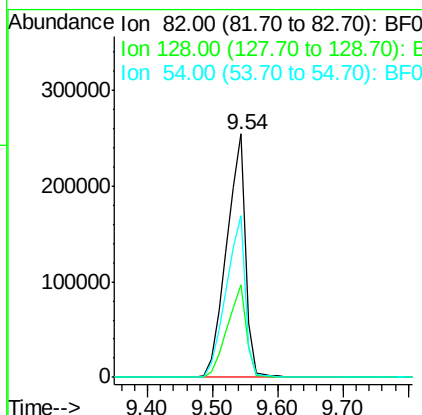
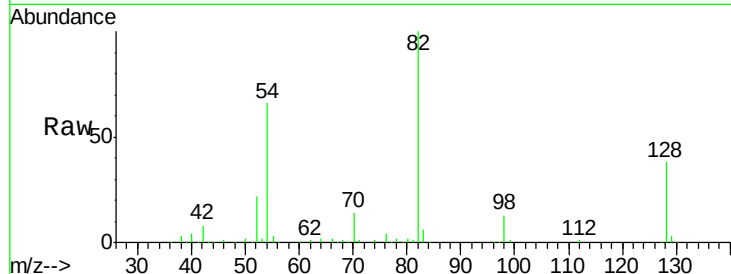




#23
 Nitrobenzene-d5
 Concen: 99.55 ng
 RT: 9.54 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: BF081612.D
 Acq: 14 Sep 2015 17:37

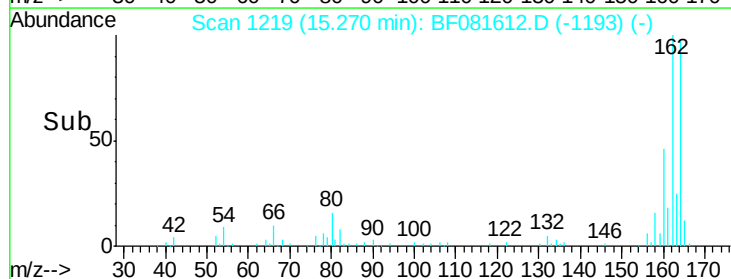
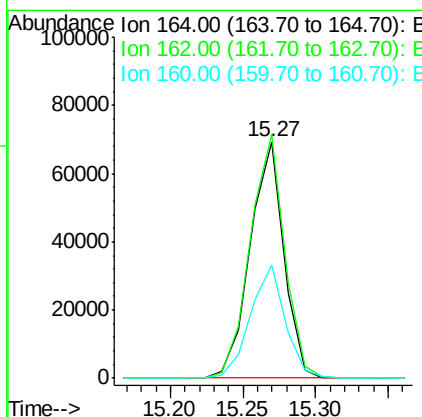
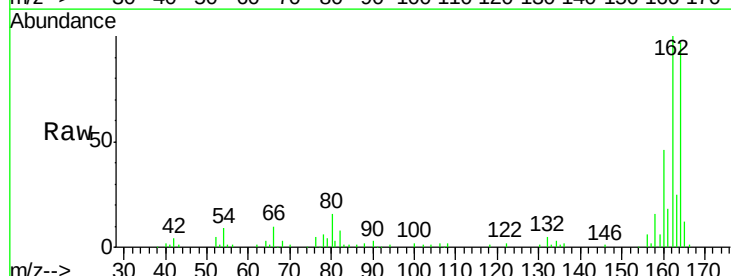
Instrument :
 BNA_F
 ClientSampleId :
 GP-6(0-5)

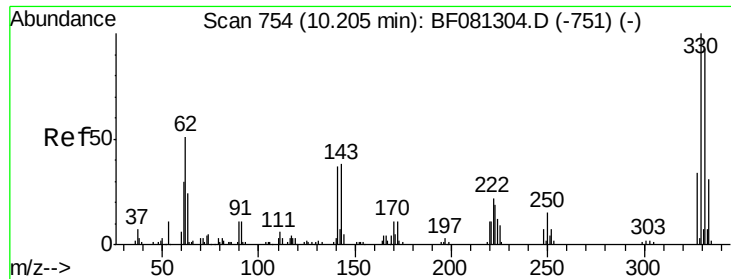
Tgt Ion: 82 Resp: 511940
 Ion Ratio Lower Upper
 82 100
 128 38.0 51.0 76.6#
 54 66.4 47.5 71.3



#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

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#

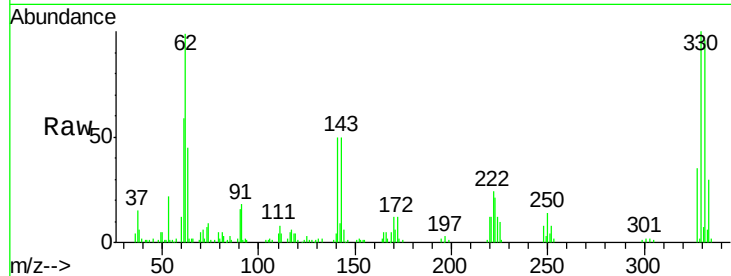




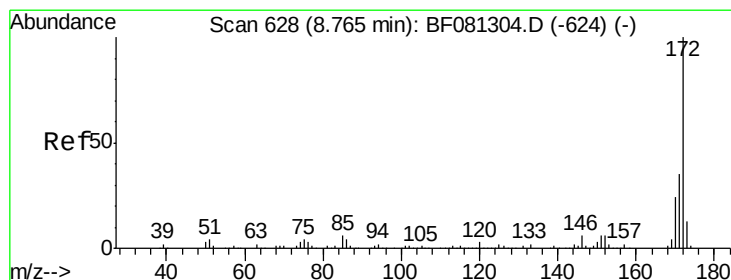
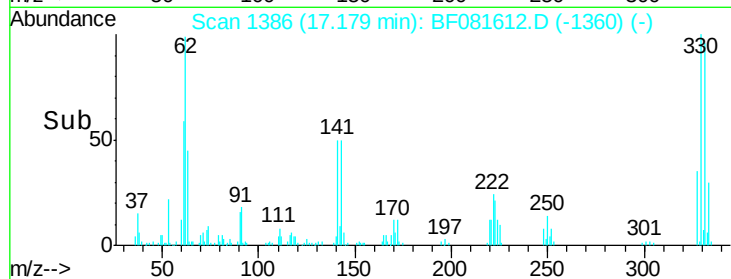
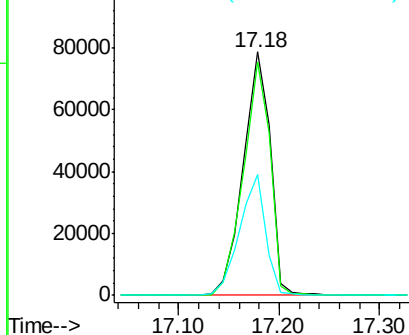
#41
 2,4,6-Tribromophenol
 Concen: 147.73 ng
 RT: 17.18 min Scan# 1386
 Delta R.T. 0.00 min
 Lab File: BF081612.D
 Acq: 14 Sep 2015 17:37

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

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#

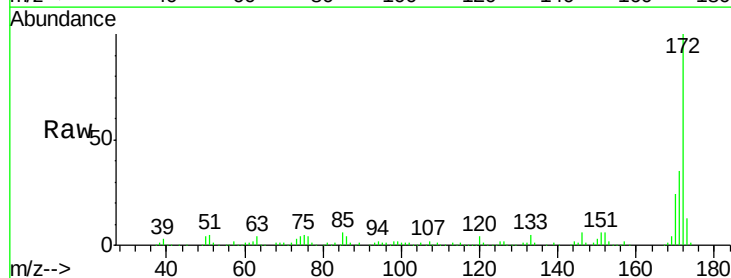


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

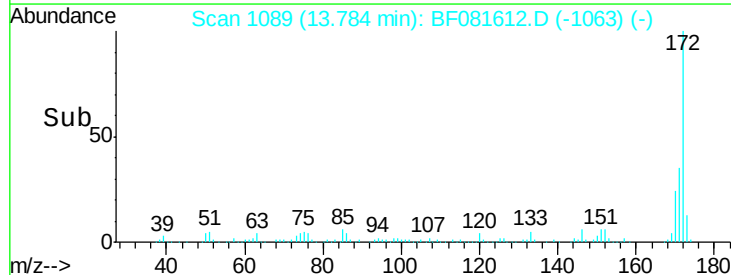
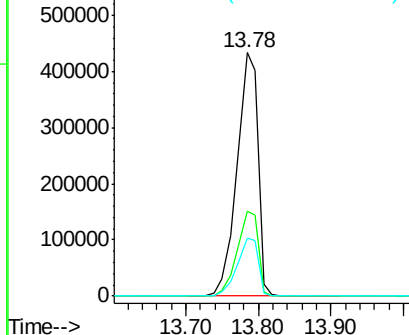


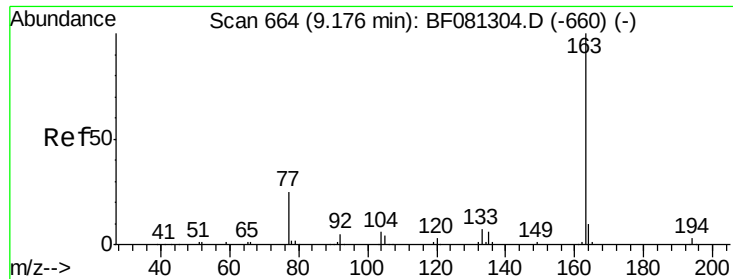
#44
 2-Fluorobiphenyl
 Concen: 100.00 ng
 RT: 13.78 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: BF081612.D
 Acq: 14 Sep 2015 17:37

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



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: 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

Instrument :

BNA_F

ClientSampleId :

GP-6(0-5)

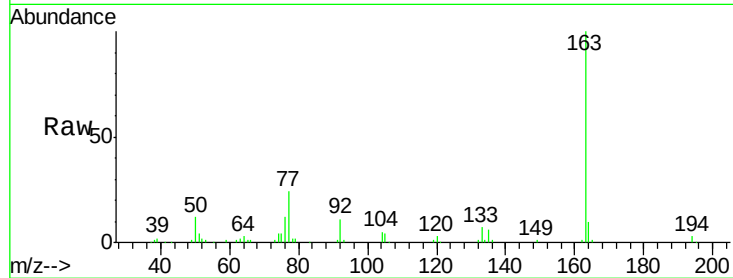
Tgt Ion:163 Resp: 186066

Ion Ratio Lower Upper

163 100

194 3.3 4.4 6.6#

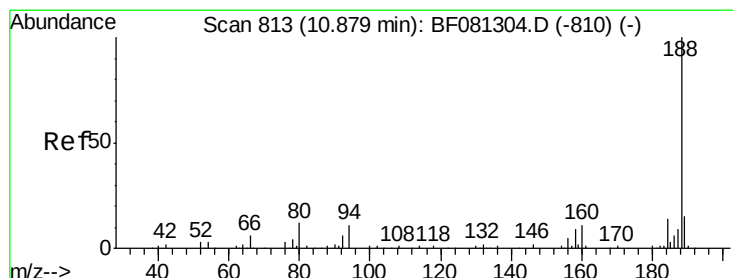
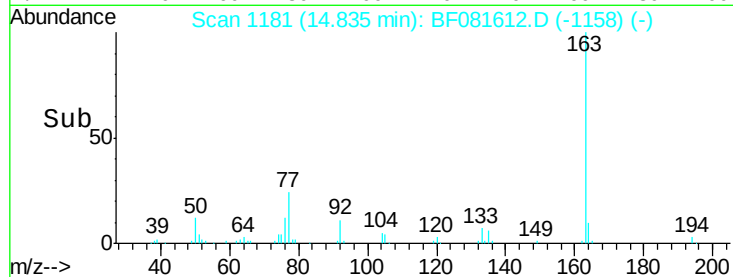
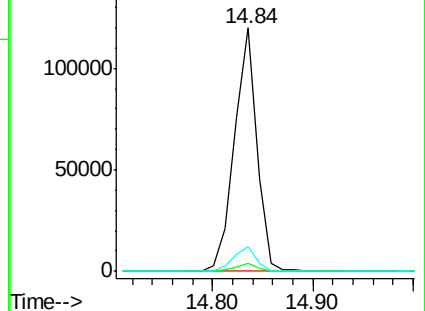
164 10.4 8.3 12.5



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: BF081612.D

Acq: 14 Sep 2015 17:37

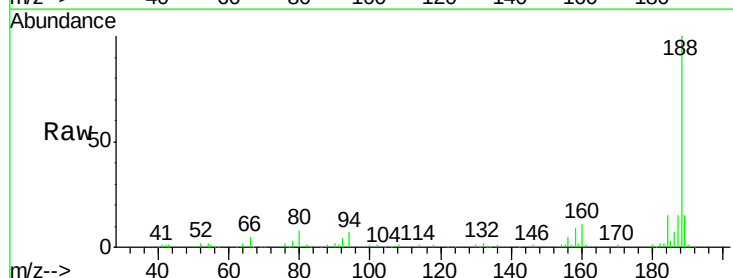
Tgt Ion:188 Resp: 197424

Ion Ratio Lower Upper

188 100

94 7.5 11.1 16.7#

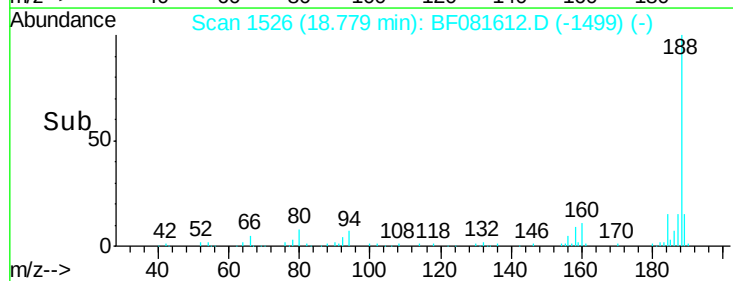
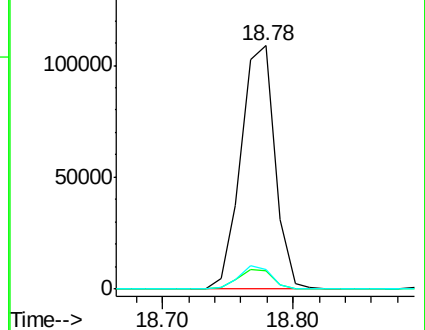
80 8.2 11.0 16.4#

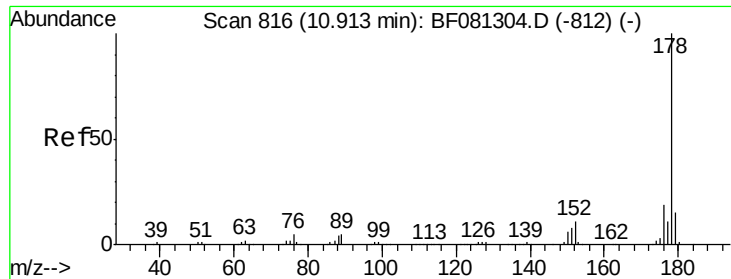


Abundance Ion 188.00 (187.70 to 188.70): E

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

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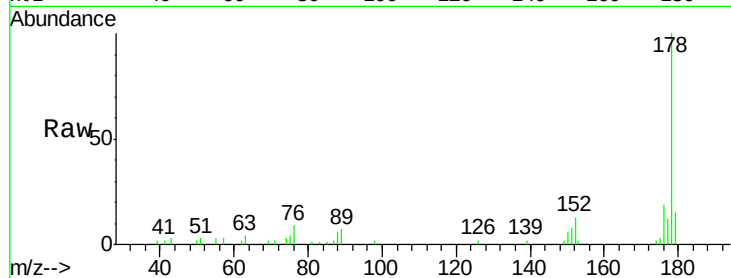
Tgt Ion:178 Resp: 33549

Ion Ratio Lower Upper

178 100

176 19.4 13.8 20.8

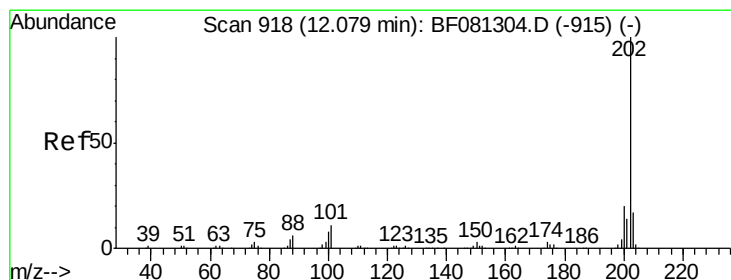
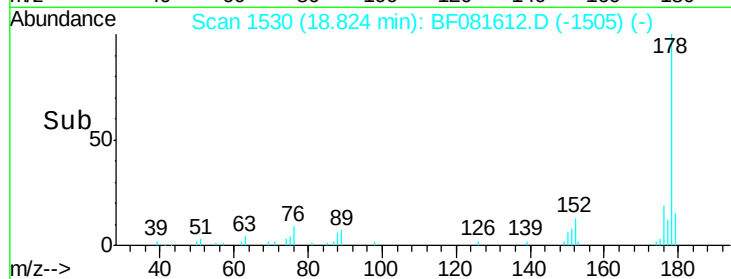
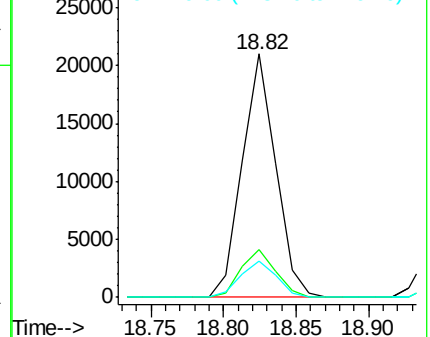
179 14.7 12.2 18.2



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



#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

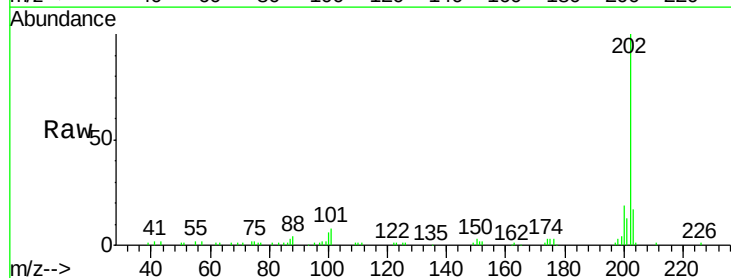
Tgt Ion:202 Resp: 85776

Ion Ratio Lower Upper

202 100

101 7.9 0.0 38.3

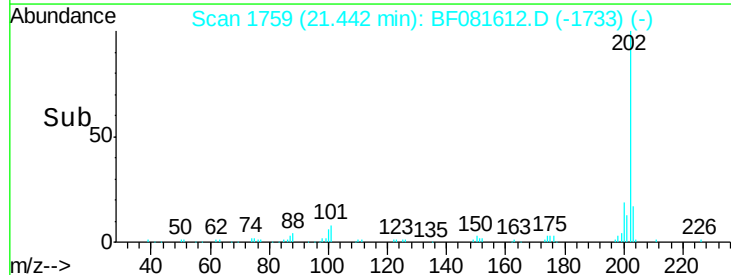
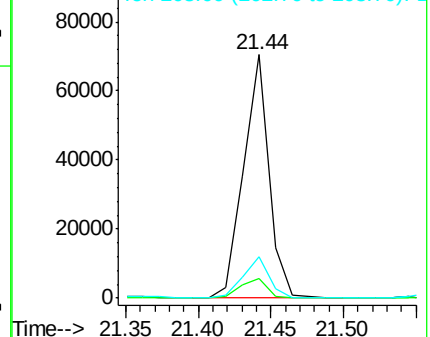
203 16.8 0.0 37.3

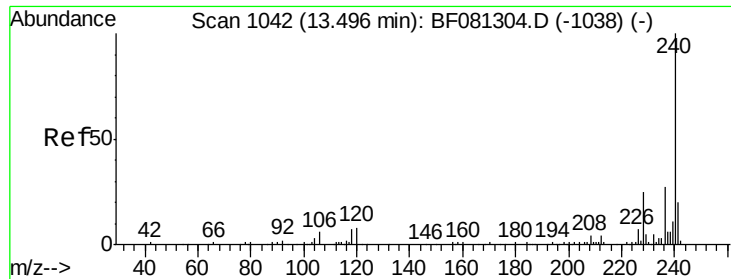


Abundance Ion 202.00 (201.70 to 202.70): E

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

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GP-6(0-5)

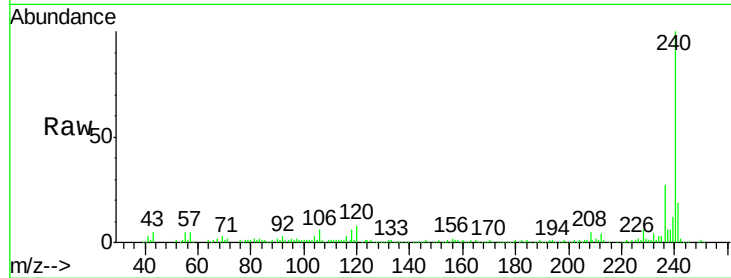
Tgt Ion:240 Resp: 122886

Ion Ratio Lower Upper

240 100

120 7.6 16.2 24.2#

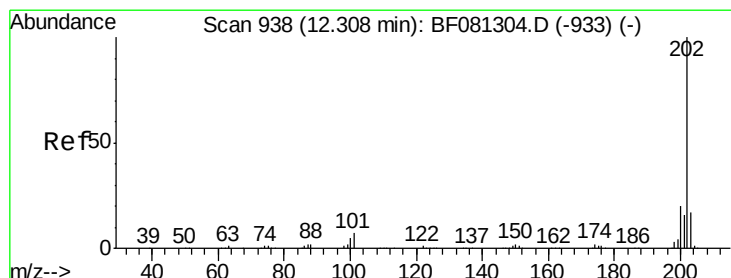
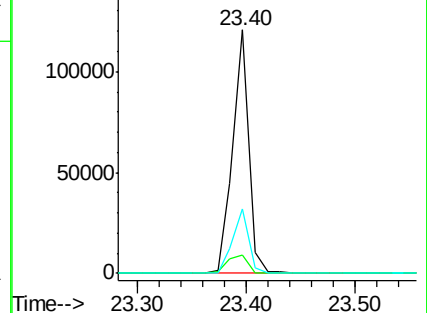
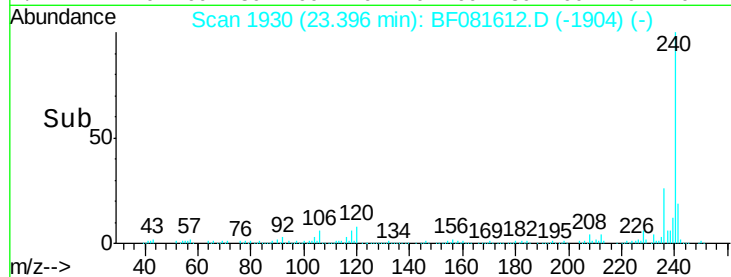
236 26.6 18.4 27.6



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: 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

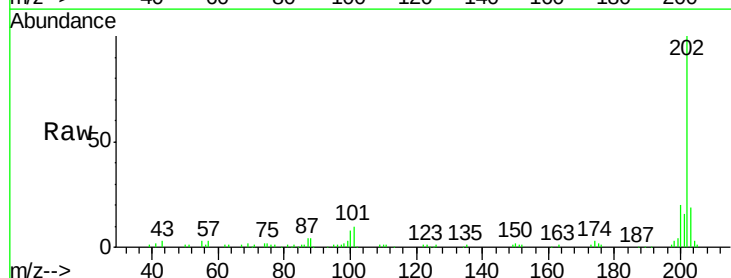
Tgt Ion:202 Resp: 89481

Ion Ratio Lower Upper

202 100

200 20.0 15.0 22.4

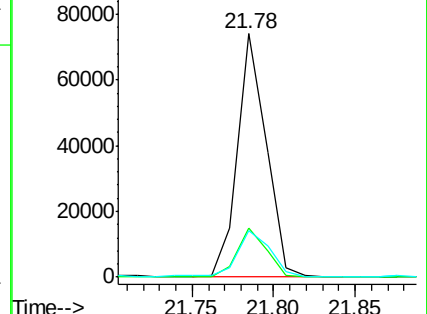
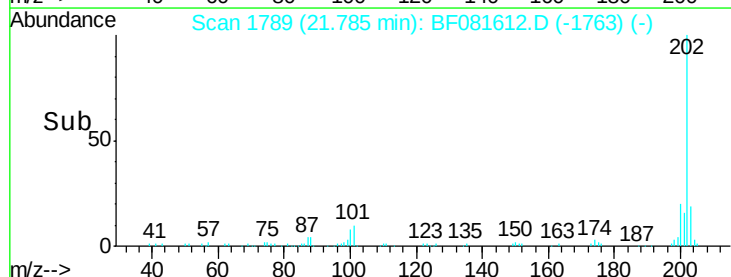
203 19.1 14.1 21.1

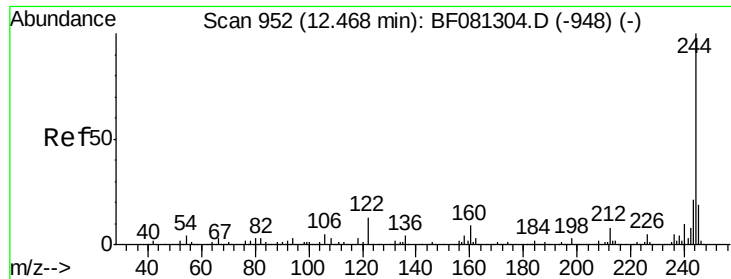


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

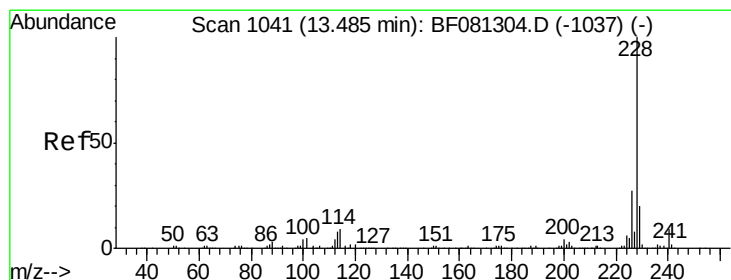
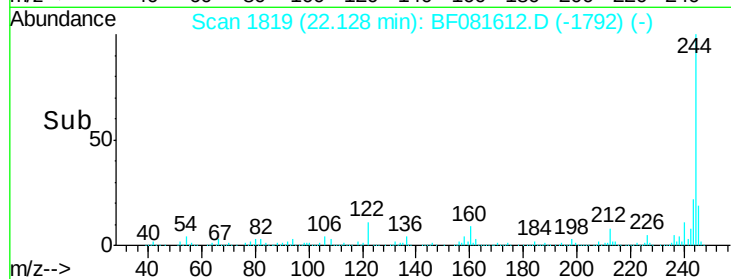
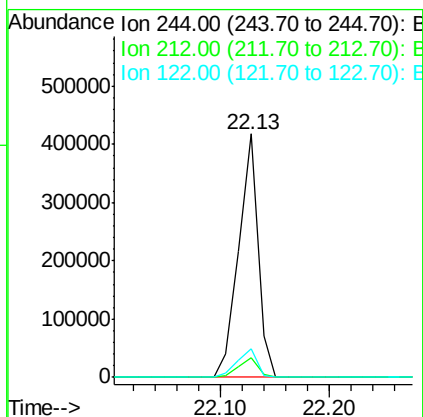
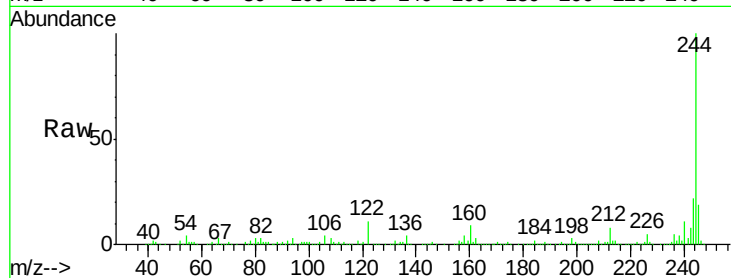




#78
 Terphenyl-d14
 Concen: 97.13 ng
 RT: 22.13 min Scan# 1819
 Delta R.T. 0.01 min
 Lab File: BF081612.D
 Acq: 14 Sep 2015 17:37

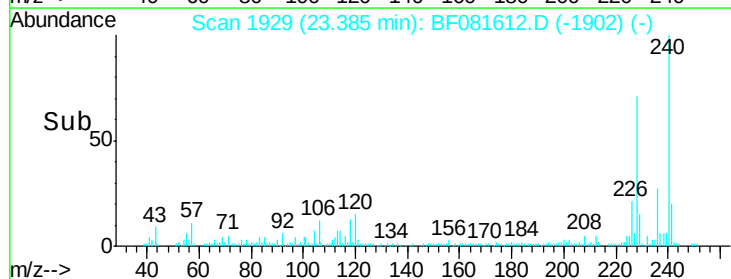
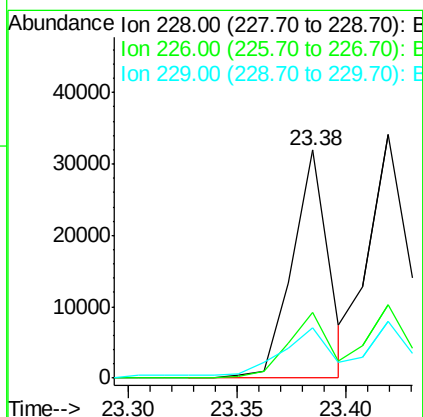
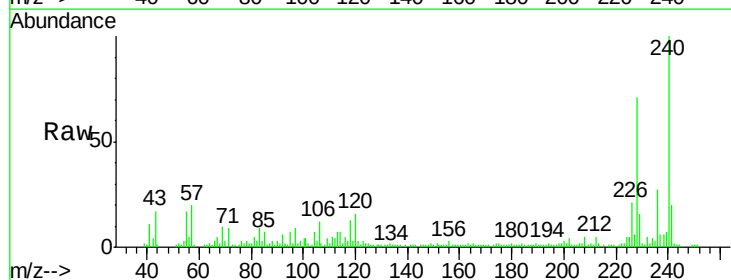
Instrument :
 BNA_F
 ClientSampleId :
 GP-6(0-5)

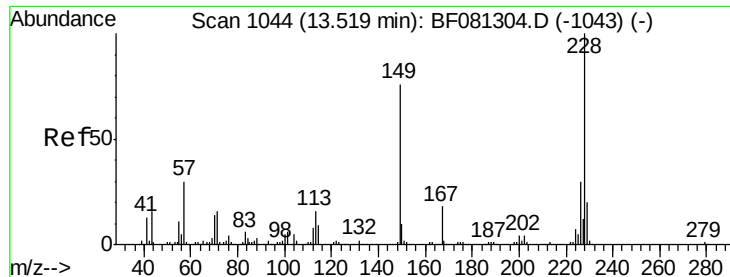
Tgt Ion:244 Resp: 512741
 Ion Ratio Lower Upper
 244 100
 212 8.2 4.3 6.5#
 122 11.5 17.4 26.2#



#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





#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)

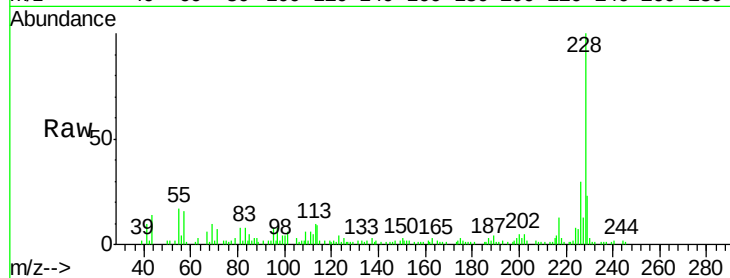
Tgt Ion: 228 Resp: 43352

Ion Ratio Lower Upper

228 100

226 30.3 21.0 31.4

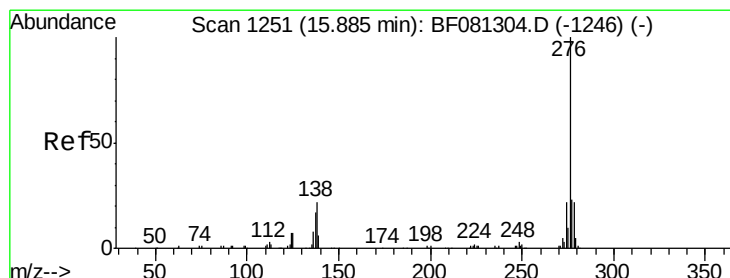
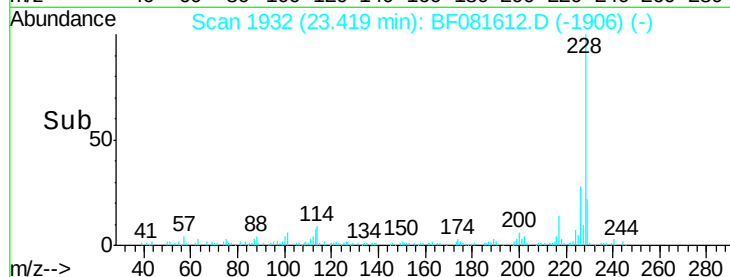
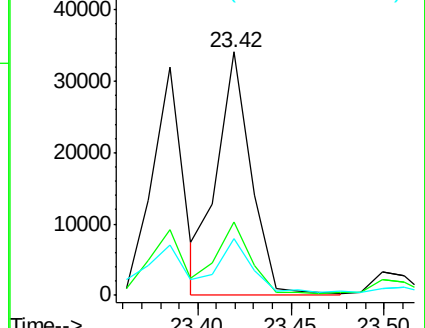
229 23.1 15.6 23.4



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

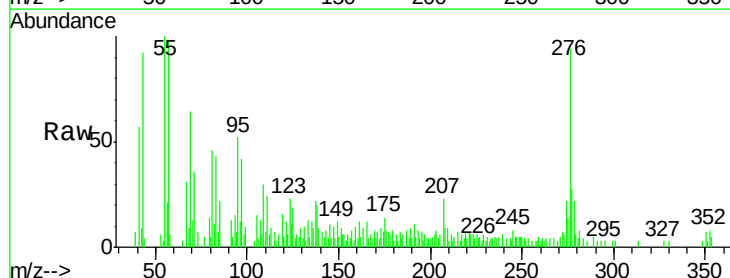
Tgt Ion: 276 Resp: 17595

Ion Ratio Lower Upper

276 100

138 22.0 25.7 38.5#

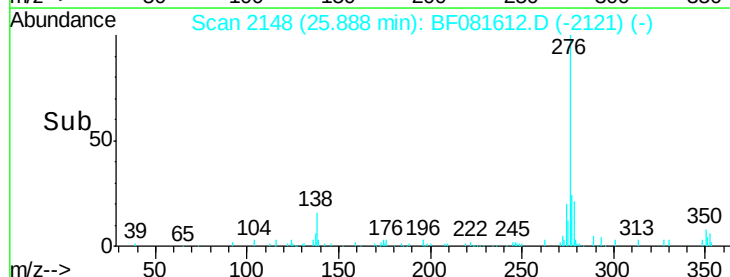
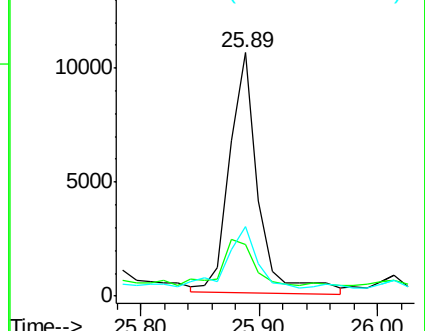
277 27.3 15.6 23.4#

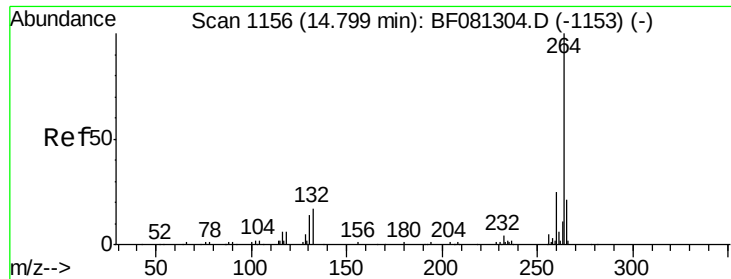


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

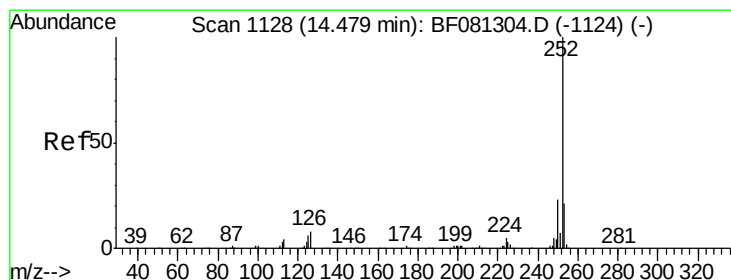
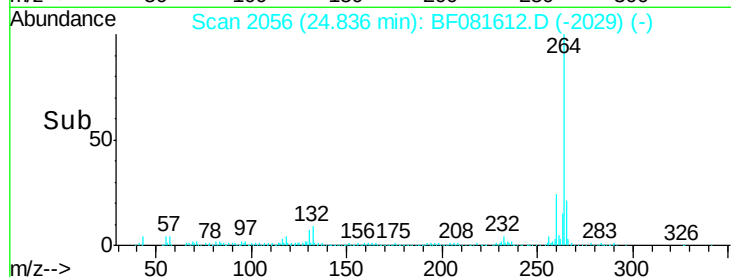
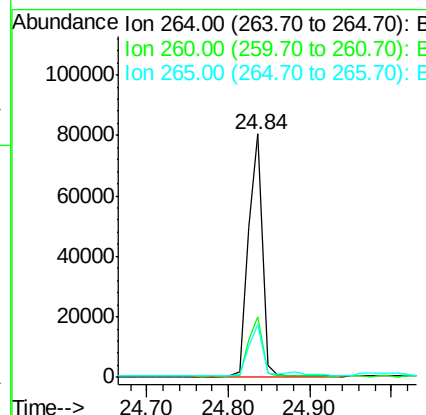
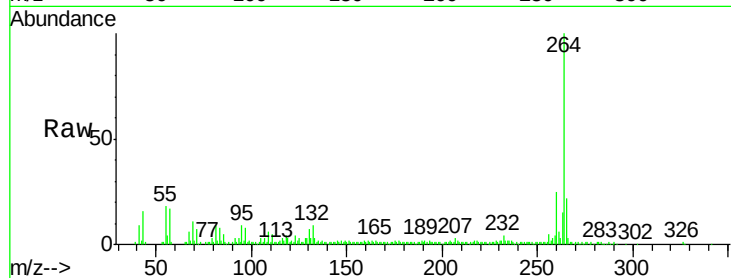




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.84 min Scan# 2056
Delta R.T. 0.01 min
Lab File: BF081612.D
Acq: 14 Sep 2015 17:37

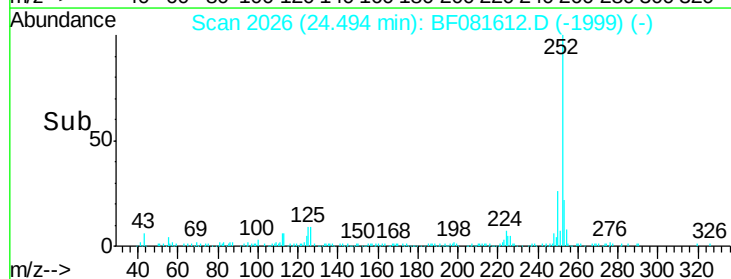
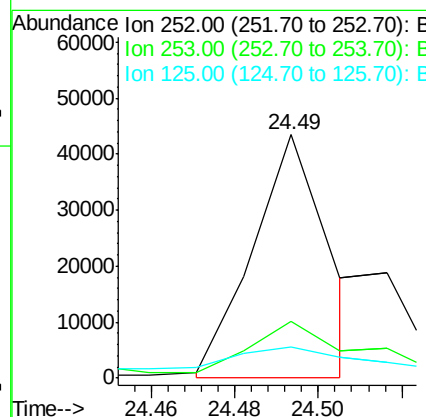
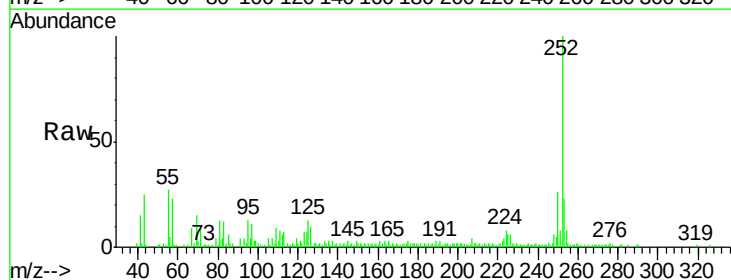
Instrument :
BNA_F
ClientSampled :
GP-6(0-5)

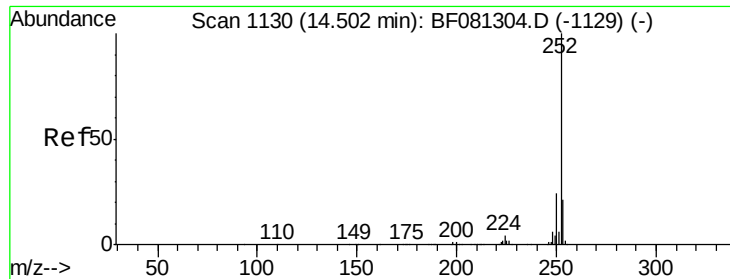
Tgt Ion:264 Resp: 97003
Ion Ratio Lower Upper
264 100
260 24.9 16.7 25.1
265 21.5 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 7.87 ng m
RT: 24.49 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF081612.D
Acq: 14 Sep 2015 17:37

Tgt Ion:252 Resp: 54485
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 12.9 17.1 25.7#





#88

Benzo(k)fluoranthene

Concen: 2.62 ng m

RT: 24.52 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF081612.D

Acq: 14 Sep 2015 17:37

Instrument :

BNA_F

ClientSampleId :

GP-6(0-5)

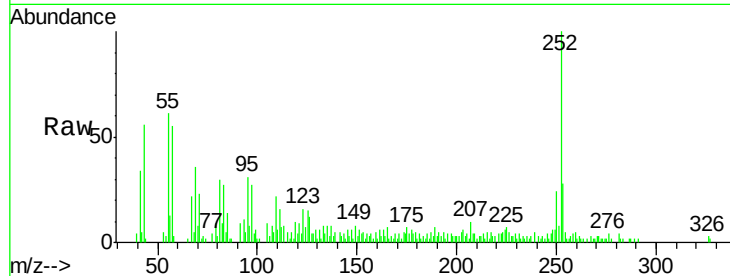
Tgt Ion:252 Resp: 15070

Ion Ratio Lower Upper

252 100

253 28.2 17.0 25.4#

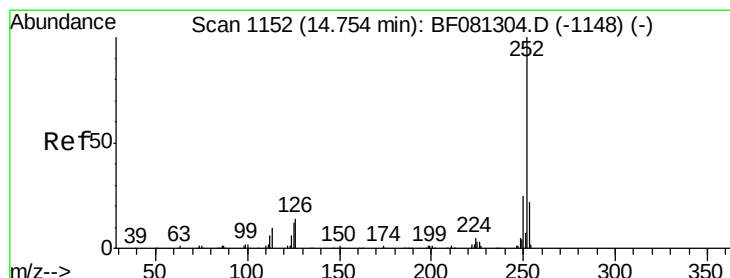
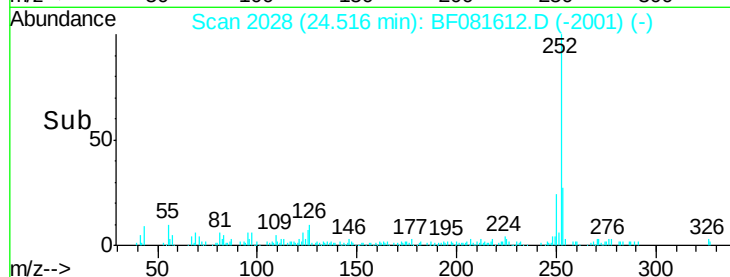
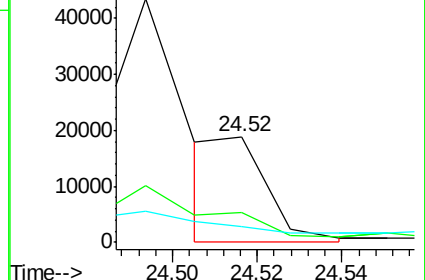
125 15.0 16.0 24.0#



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: 5.95 ng m

RT: 24.78 min Scan# 2051

Delta R.T. 0.00 min

Lab File: BF081612.D

Acq: 14 Sep 2015 17:37

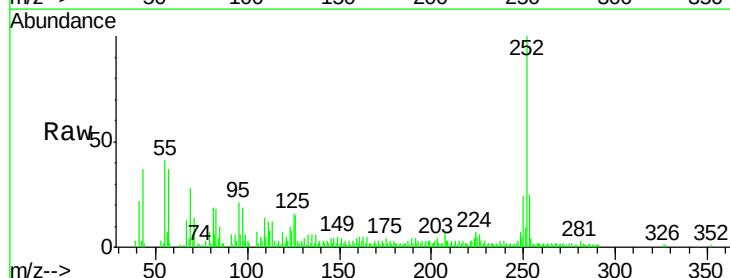
Tgt Ion:252 Resp: 34934

Ion Ratio Lower Upper

252 100

253 25.1 17.2 25.8

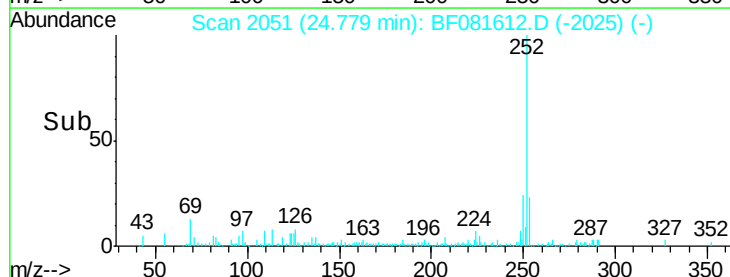
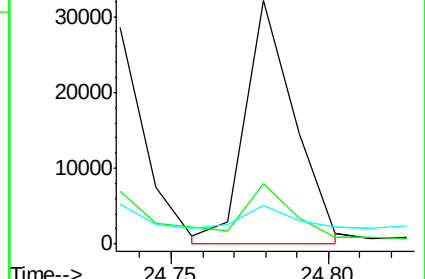
125 16.1 18.0 27.0#

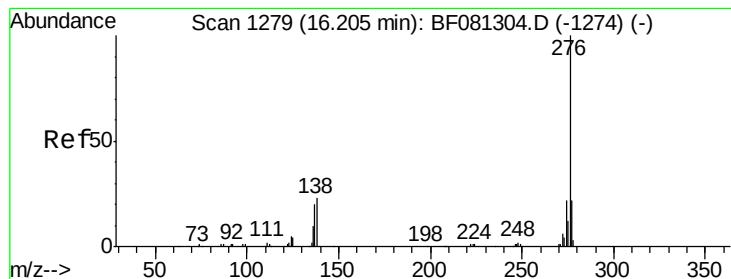


Abundance Ion 252.00 (251.70 to 252.70): E

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

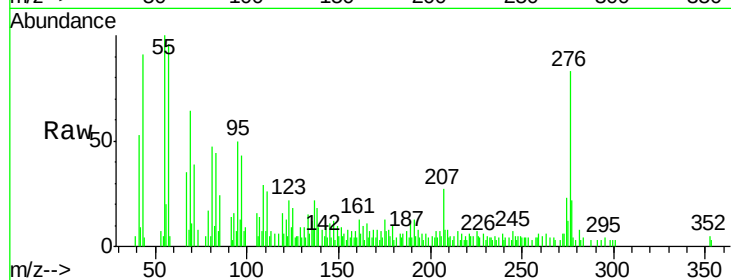
Acq: 14 Sep 2015 17:37

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#

