

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091415\
 Data File : BF081618.D
 Acq On : 14 Sep 2015 21:17
 Operator : UM/IZ
 Sample : G3597-12 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-12(0-5)

Quant Time: Sep 15 01:34:39 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

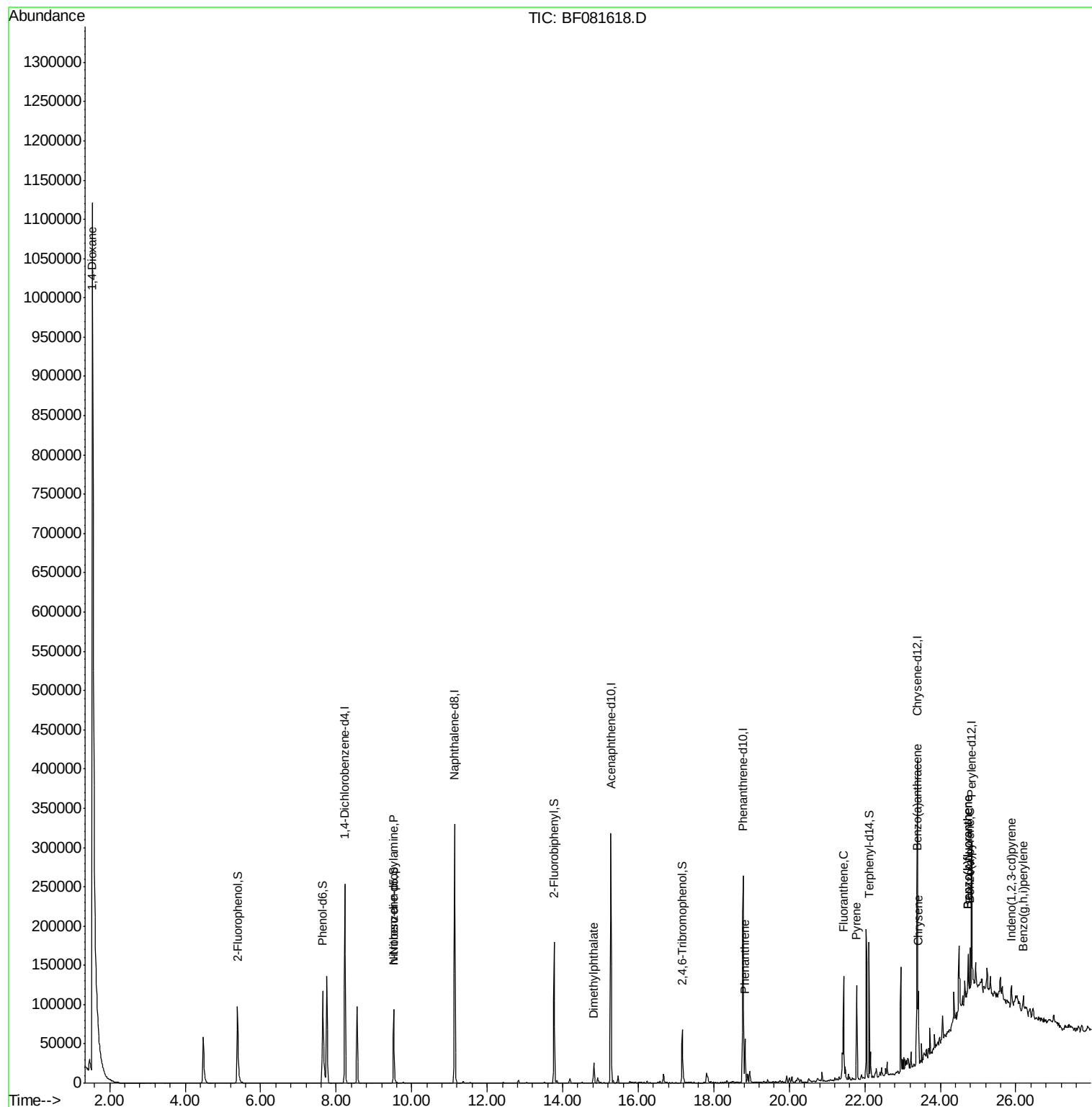
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	62303	20.00	ng	0.00
21) Naphthalene-d8	11.13	136	247969	20.00	ng	0.00
38) Acenaphthene-d10	15.27	164	110711	20.00	ng	0.00
63) Phenanthrene-d10	18.78	188	182672	20.00	ng	0.01
75) Chrysene-d12	23.40	240	129335	20.00	ng	0.00
86) Perylene-d12	24.84	264	83505	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	56606	14.10	ng	0.01
7) Phenol-d6	7.65	99	84316	15.86	ng	-0.01
23) Nitrobenzene-d5	9.52	82	53440	10.40	ng	-0.02
41) 2,4,6-Tribromophenol	17.17	330	11999	12.17	ng	-0.01
44) 2-Fluorobiphenyl	13.77	172	94425	10.93	ng	-0.01
78) Terphenyl-d14	22.12	244	56265	10.13	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.54	88	69550	38.56	ng	# 11
19) n-Nitroso-di-n-propylamine	9.52	70	7277	2.01	ng	# 62
49) Dimethylphthalate	14.82	163	19757	2.30	ng	# 96
70) Phenanthrene	18.82	178	38759	3.82	ng	98
74) Fluoranthene	21.44	202	75904	6.90	ng	88
77) Pyrene	21.78	202	70992	7.41	ng	98
80) Benzo(a)anthracene	23.38	228	43120	5.24	ng	97
82) Chrysene	23.42	228	31956	4.33	ng	95
85) Indeno(1,2,3-cd)pyrene	25.89	276	12527	2.31	ng	# 82
87) Benzo(b)fluoranthene	24.73	252	19598	3.29	ng	93
88) Benzo(k)fluoranthene	24.73	252	20130	4.07	ng	94
89) Benzo(a)pyrene	24.78	252	23523	4.66	ng	# 88
91) Benzo(g,h,i)perylene	26.20	276	11151	2.99	ng	# 70

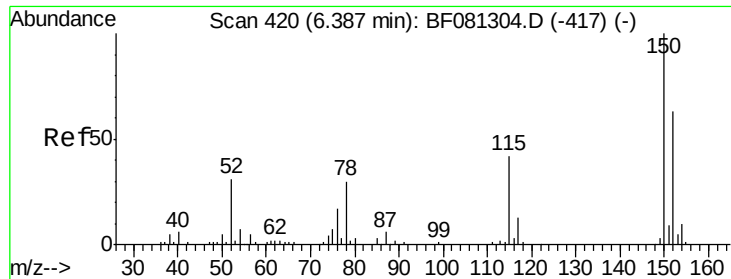
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF081618.D

Acq: 14 Sep 2015 21:17

Instrument :

BNA_F

ClientSampleId :

GP-12(0-5)

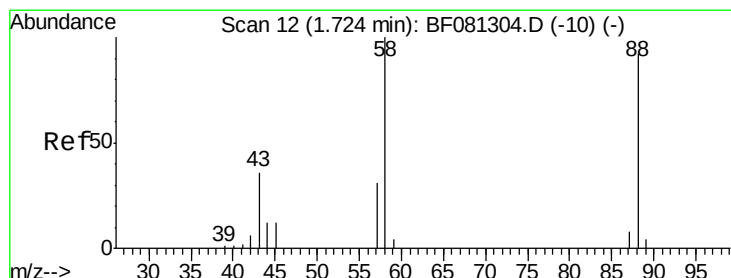
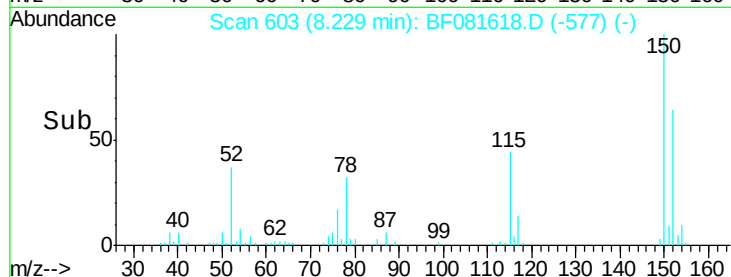
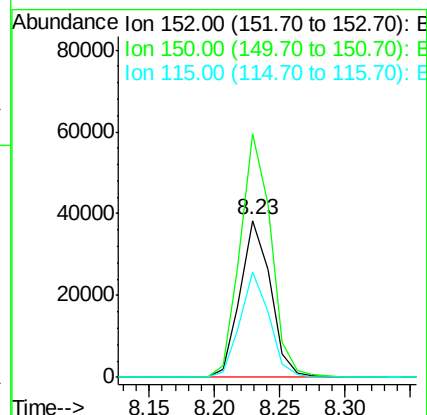
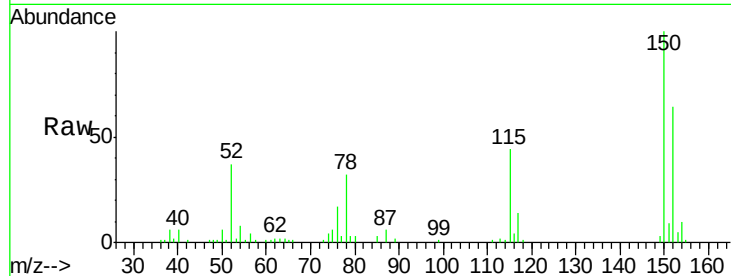
Tgt Ion:152 Resp: 62303

Ion Ratio Lower Upper

152 100

150 155.3 124.7 187.1

115 67.6 39.0 58.4#



#2

1,4-Dioxane

Concen: 38.56 ng

RT: 1.54 min Scan# 18

Delta R.T. -0.02 min

Lab File: BF081618.D

Acq: 14 Sep 2015 21:17

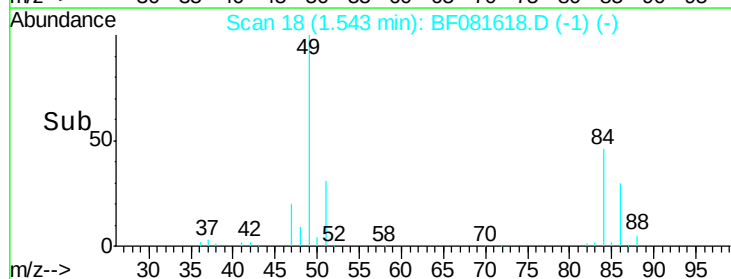
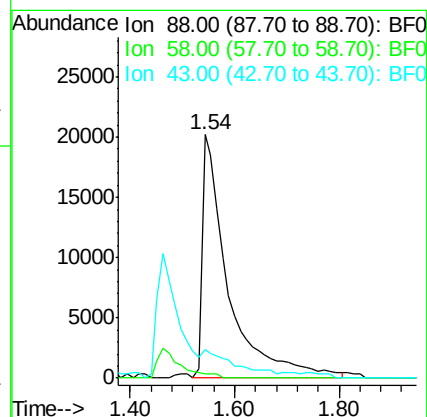
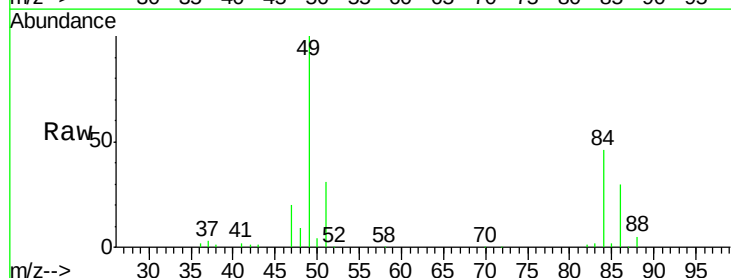
Tgt Ion: 88 Resp: 69550

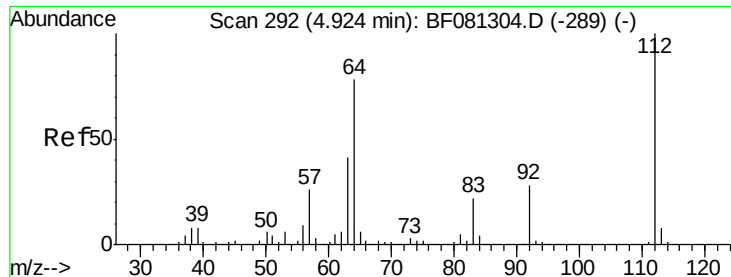
Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

43 0.0 26.6 40.0#





#5

2-Fluorophenol

Concen: 14.10 ng

RT: 5.38 min Scan# 354

Delta R.T. 0.01 min

Lab File: BF081618.D

Acq: 14 Sep 2015 21:17

Instrument :

BNA_F

ClientSampleId :

GP-12(0-5)

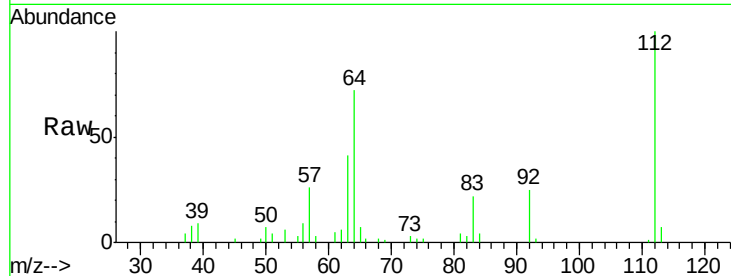
Tgt Ion: 112 Resp: 56606

Ion Ratio Lower Upper

112 100

64 72.2 39.7 59.5#

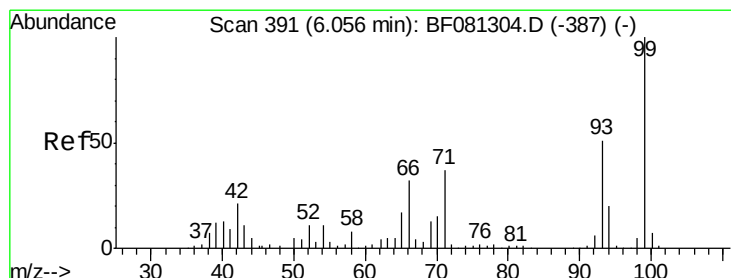
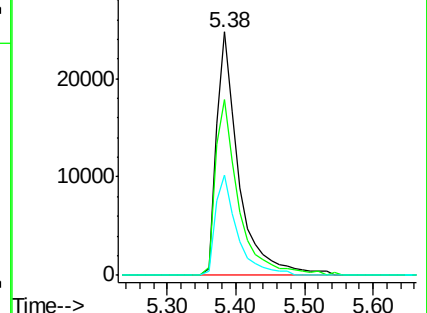
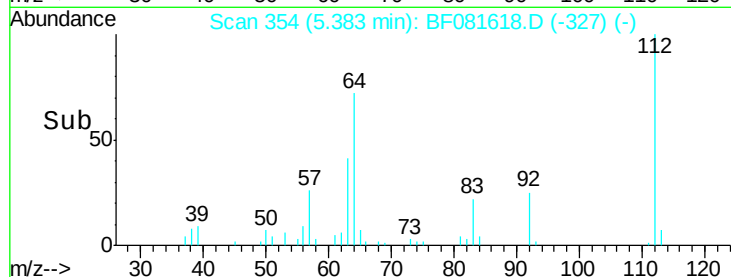
63 41.1 17.4 26.0#



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: 15.86 ng

RT: 7.65 min Scan# 552

Delta R.T. -0.01 min

Lab File: BF081618.D

Acq: 14 Sep 2015 21:17

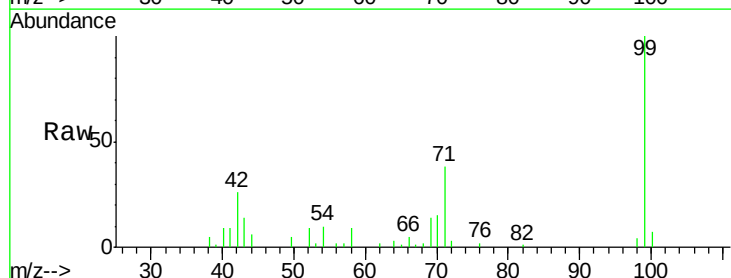
Tgt Ion: 99 Resp: 84316

Ion Ratio Lower Upper

99 100

42 26.2 13.7 20.5#

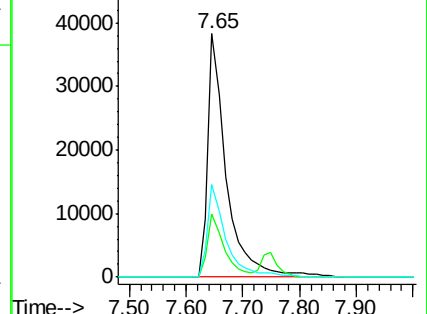
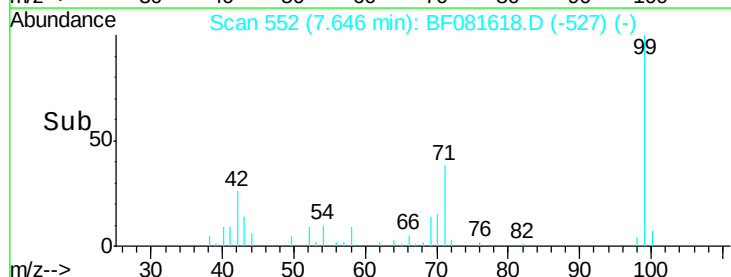
71 38.2 14.2 21.2#

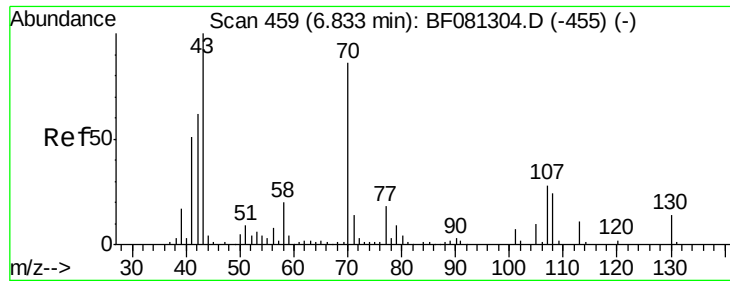


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

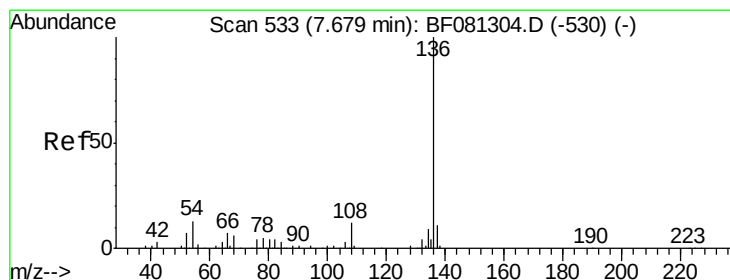
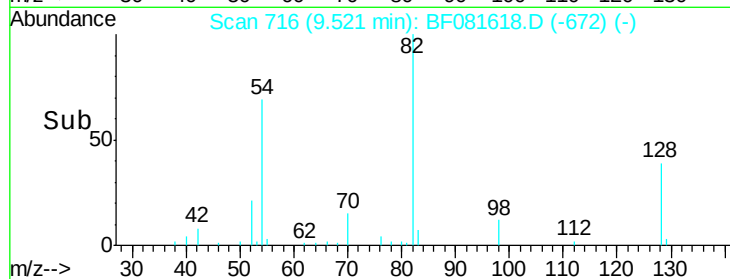
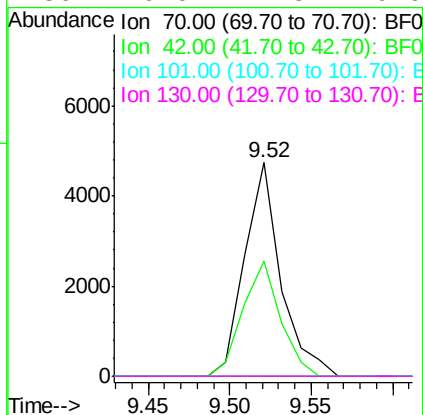
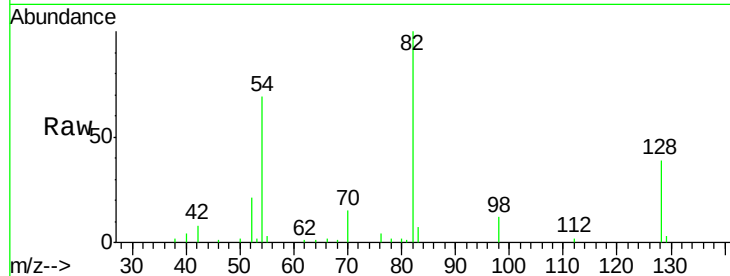




#19
n-Nitroso-di-n-propylamine
Concen: 2.01 ng
RT: 9.52 min Scan# 716
Delta R.T. 0.21 min
Lab File: BF081618.D
Acq: 14 Sep 2015 21:17

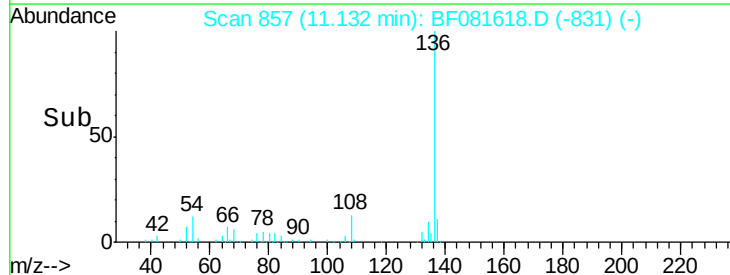
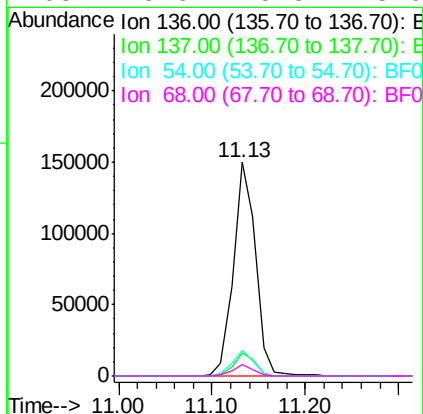
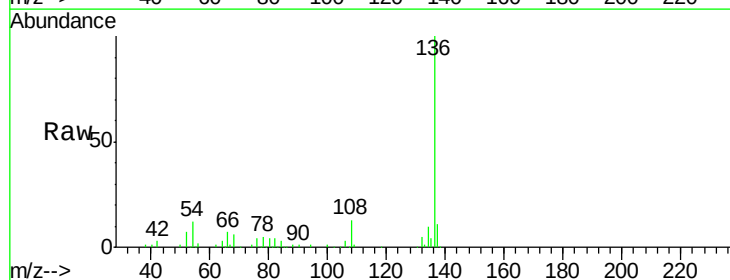
Instrument :
BNA_F
ClientSampleId :
GP-12(0-5)

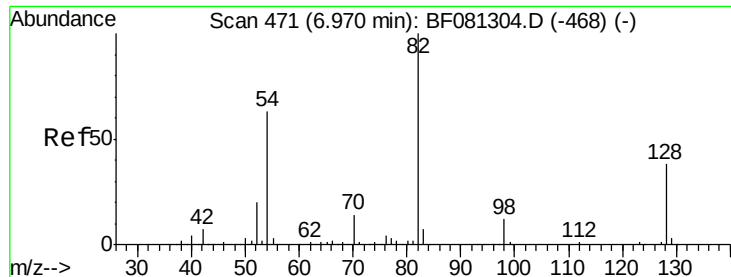
Tgt Ion: 70 Resp: 7277
Ion Ratio Lower Upper
70 100
42 53.7 63.8 95.6#
101 0.0 9.2 13.8#
130 0.0 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.13 min Scan# 857
Delta R.T. 0.00 min
Lab File: BF081618.D
Acq: 14 Sep 2015 21:17

Tgt Ion: 136 Resp: 247969
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 12.2 8.2 12.2
68 5.6 5.8 8.6#

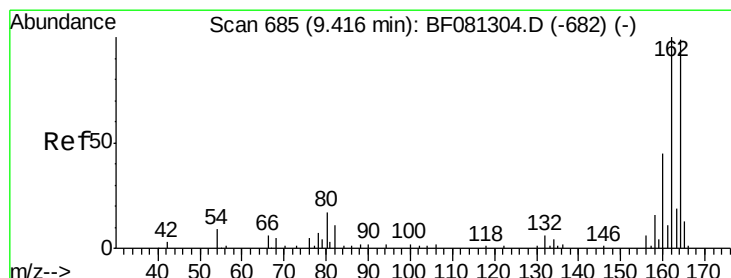
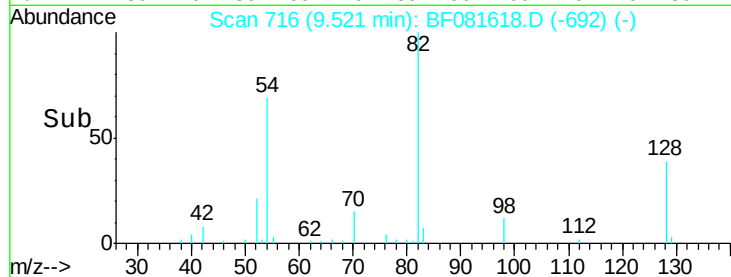
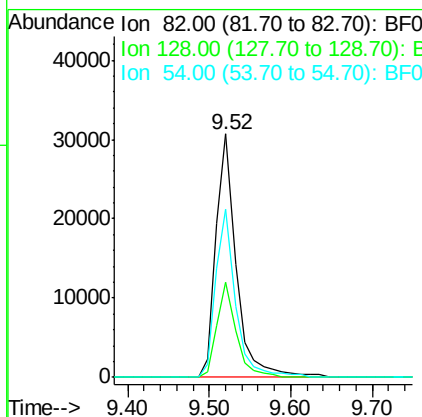
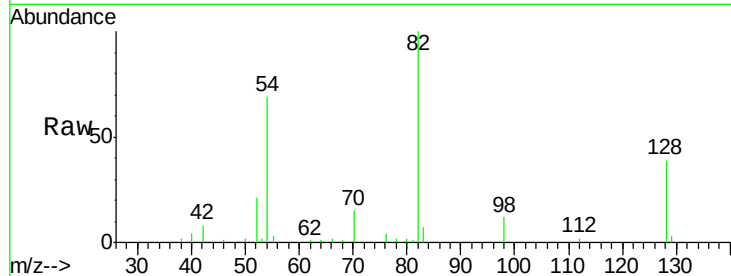




#23
 Nitrobenzene-d5
 Concen: 10.40 ng
 RT: 9.52 min Scan# 716
 Delta R.T. -0.02 min
 Lab File: BF081618.D
 Acq: 14 Sep 2015 21:17

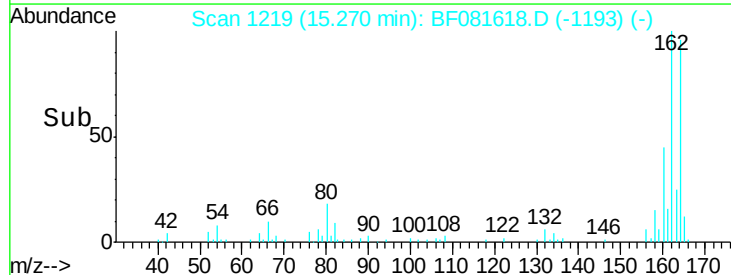
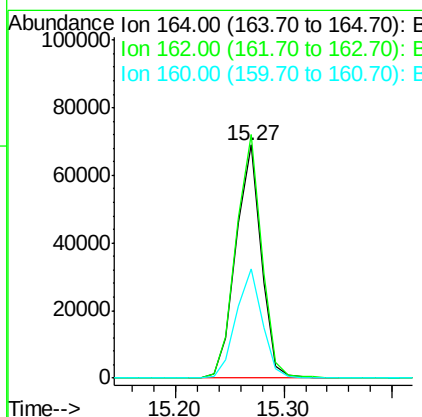
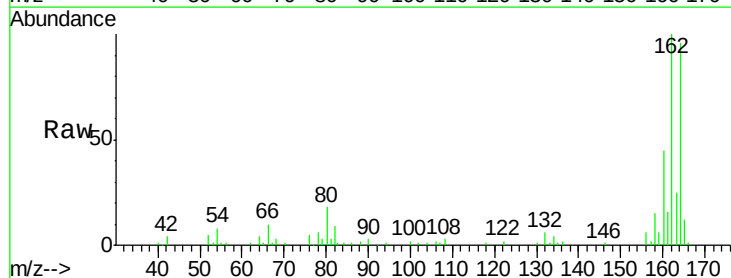
Instrument :
 BNA_F
 ClientSampleId :
 GP-12(0-5)

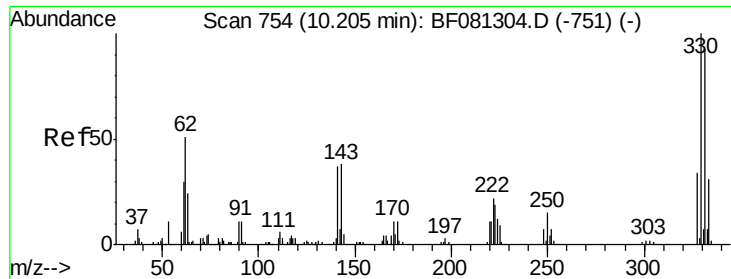
Tgt Ion: 82 Resp: 53440
 Ion Ratio Lower Upper
 82 100
 128 39.0 51.0 76.6#
 54 68.8 47.5 71.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.27 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: BF081618.D
 Acq: 14 Sep 2015 21:17

Tgt Ion: 164 Resp: 110711
 Ion Ratio Lower Upper
 164 100
 162 104.4 75.2 112.8
 160 46.7 31.5 47.3

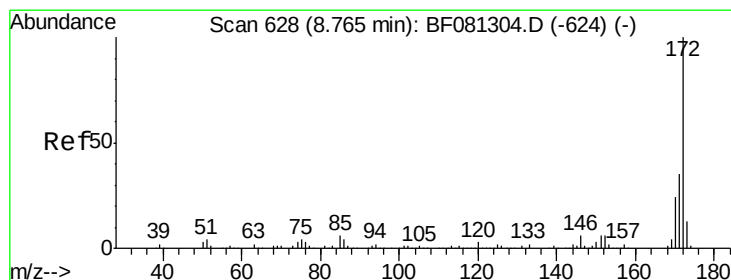
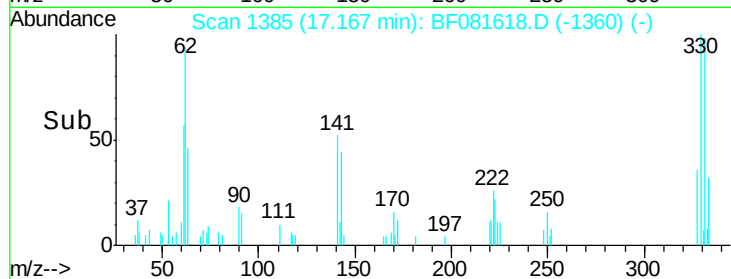
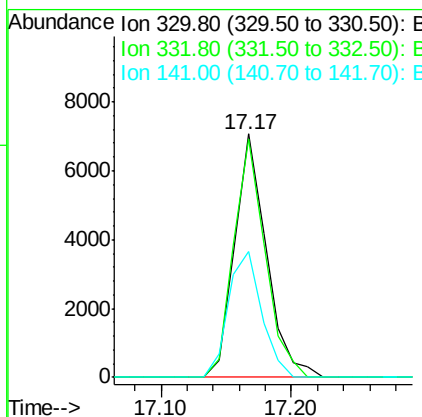
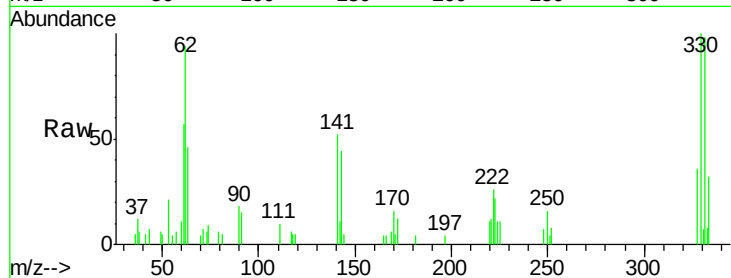




#41
 2,4,6-Tribromophenol
 Concen: 12.17 ng
 RT: 17.17 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BF081618.D
 Acq: 14 Sep 2015 21:17

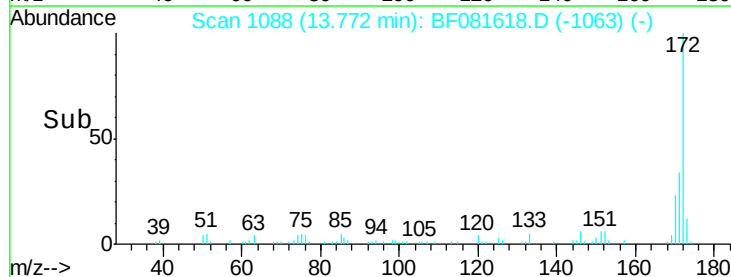
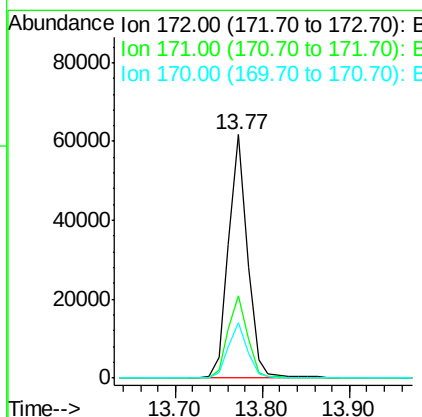
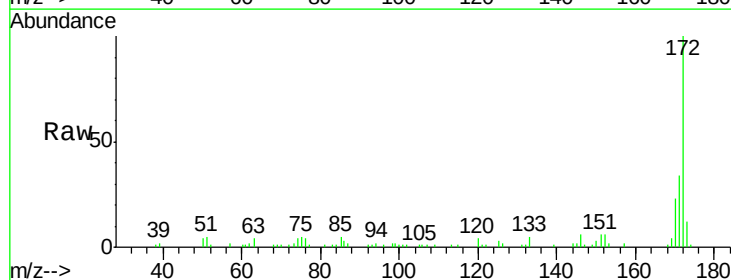
Instrument :
 BNA_F
 ClientSampleId :
 GP-12(0-5)

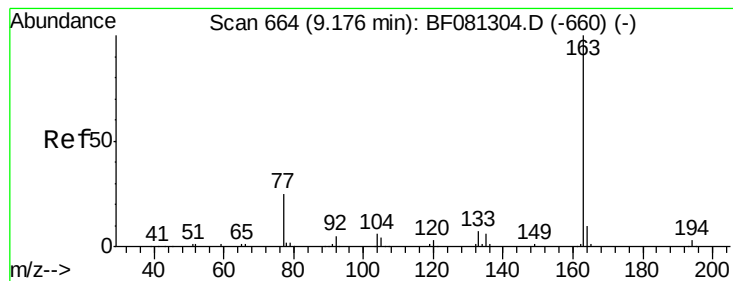
Tgt Ion:330 Resp: 11999
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.6 114.8
 141 53.9 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 10.93 ng
 RT: 13.77 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BF081618.D
 Acq: 14 Sep 2015 21:17

Tgt Ion:172 Resp: 94425
 Ion Ratio Lower Upper
 172 100
 171 34.0 26.1 39.1
 170 23.0 17.4 26.2





#49

Dimethylphthalate

Concen: 2.30 ng

RT: 14.82 min Scan# 1180

Delta R.T. -0.05 min

Lab File: BF081618.D

Acq: 14 Sep 2015 21:17

Instrument :

BNA_F

ClientSampleId :

GP-12(0-5)

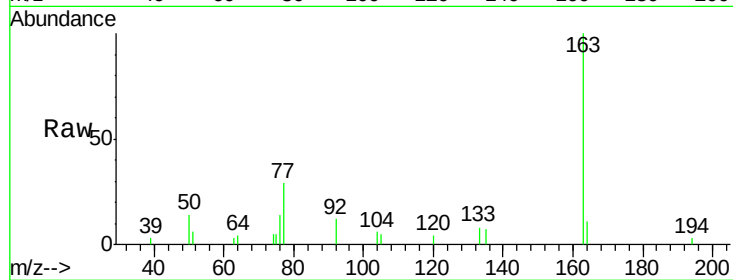
Tgt Ion:163 Resp: 19757

Ion Ratio Lower Upper

163 100

194 3.0 4.4 6.6#

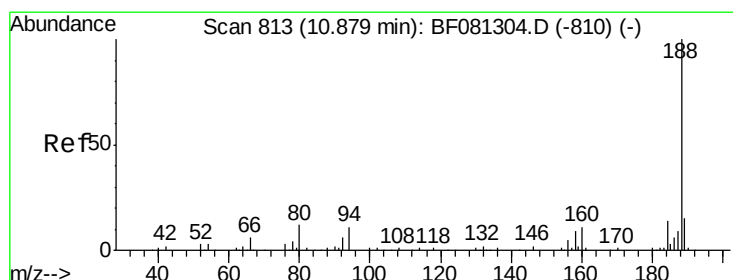
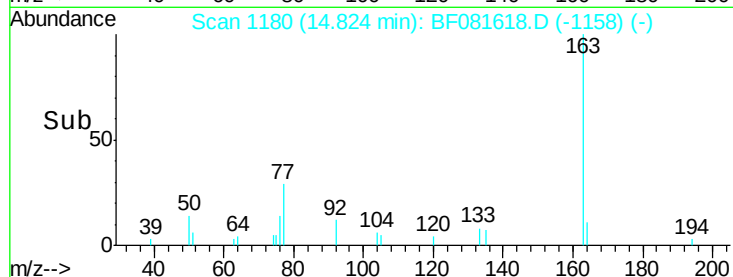
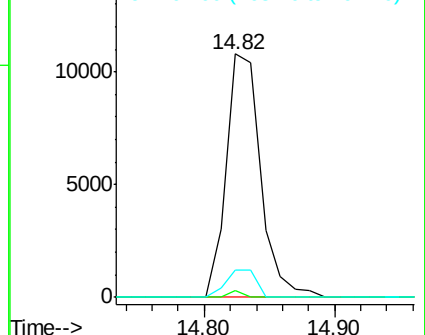
164 11.1 8.3 12.5



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: BF081618.D

Acq: 14 Sep 2015 21:17

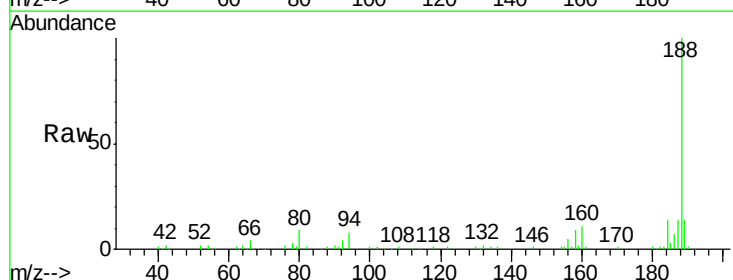
Tgt Ion:188 Resp: 182672

Ion Ratio Lower Upper

188 100

94 8.3 11.1 16.7#

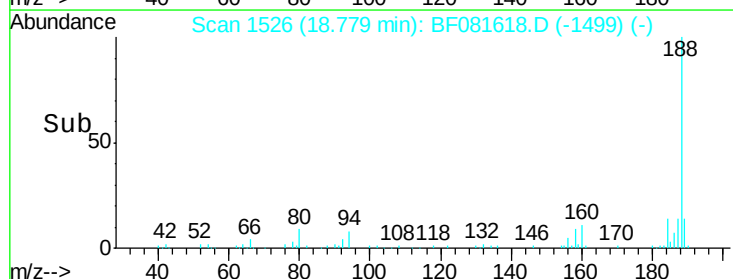
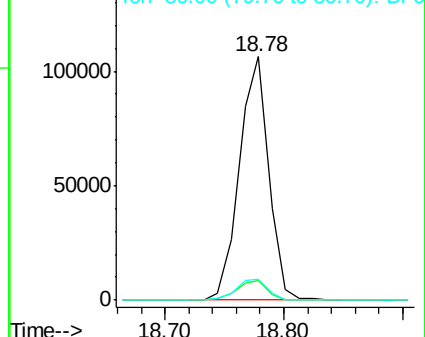
80 8.5 11.0 16.4#

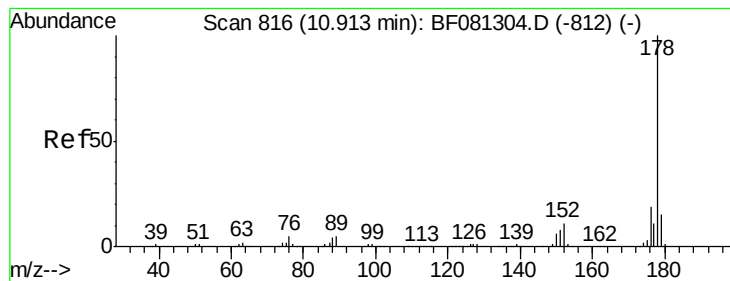


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 3.82 ng

RT: 18.82 min Scan# 1530

Delta R.T. -0.01 min

Lab File: BF081618.D

Acq: 14 Sep 2015 21:17

Instrument :

BNA_F

ClientSampleId :

GP-12(0-5)

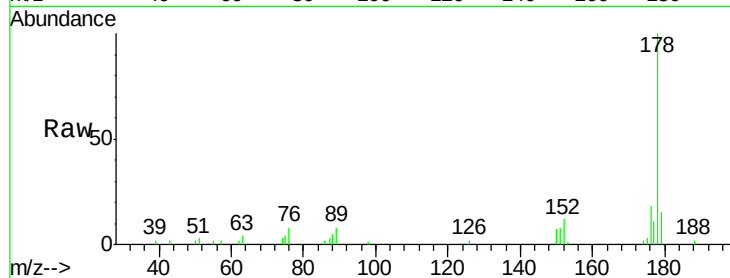
Tgt Ion:178 Resp: 38759

Ion Ratio Lower Upper

178 100

176 18.5 13.8 20.8

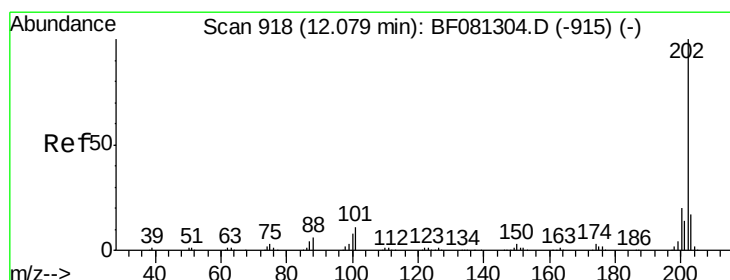
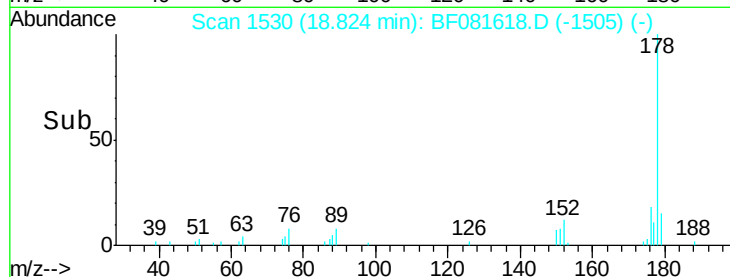
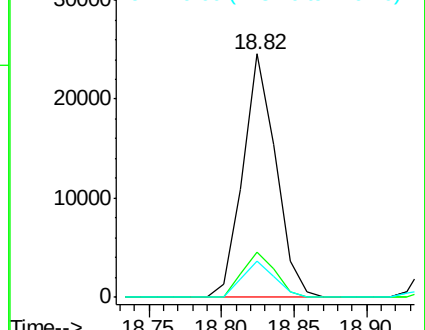
179 14.9 12.2 18.2



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: 6.90 ng

RT: 21.44 min Scan# 1759

Delta R.T. 0.00 min

Lab File: BF081618.D

Acq: 14 Sep 2015 21:17

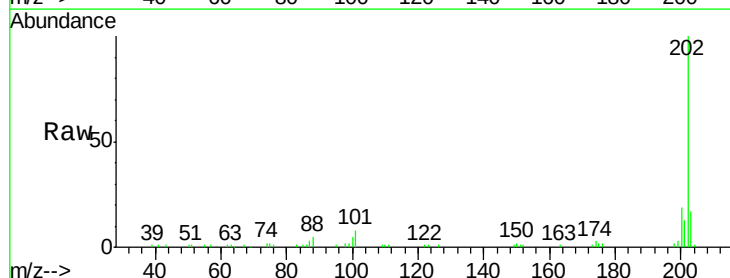
Tgt Ion:202 Resp: 75904

Ion Ratio Lower Upper

202 100

101 8.3 0.0 38.3

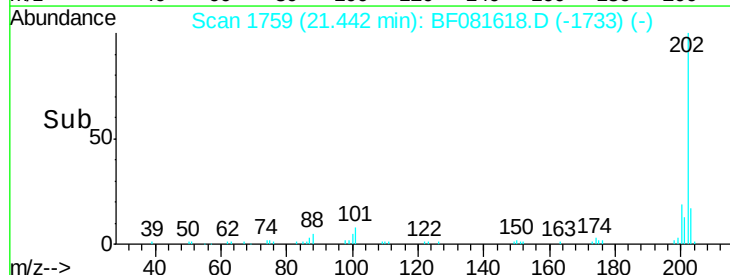
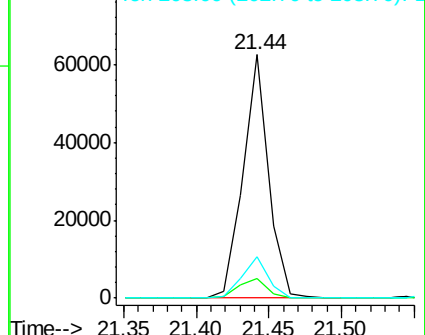
203 17.0 0.0 37.3

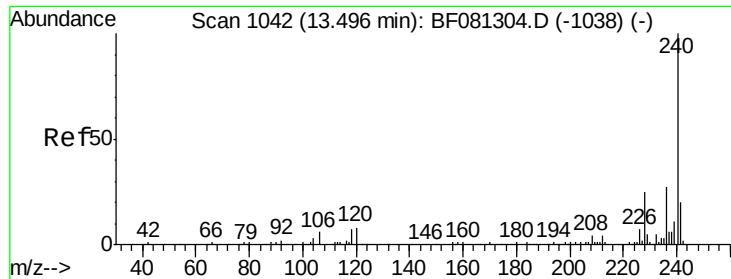


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF081618.D

Acq: 14 Sep 2015 21:17

Instrument :

BNA_F

ClientSampleId :

GP-12(0-5)

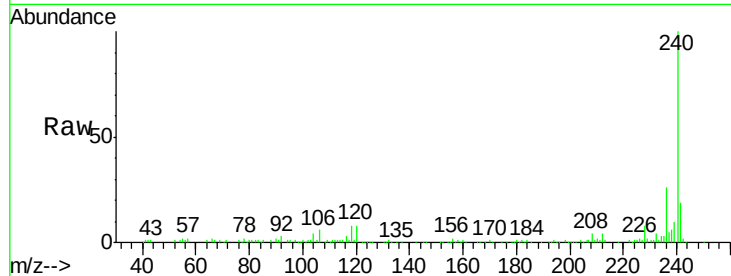
Tgt Ion:240 Resp: 129335

Ion Ratio Lower Upper

240 100

120 8.3 16.2 24.2#

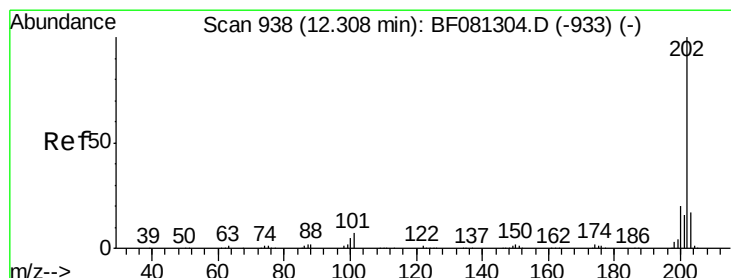
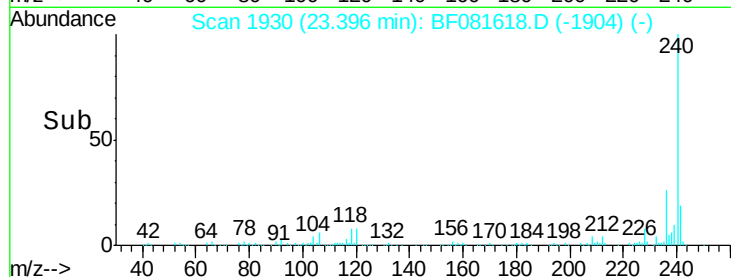
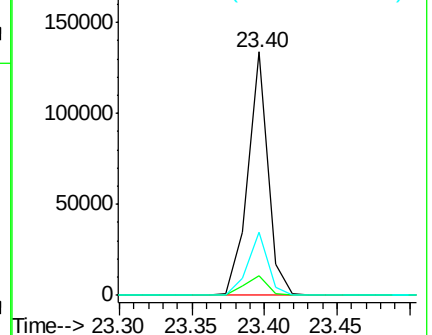
236 26.0 18.4 27.6



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: 7.41 ng

RT: 21.78 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BF081618.D

Acq: 14 Sep 2015 21:17

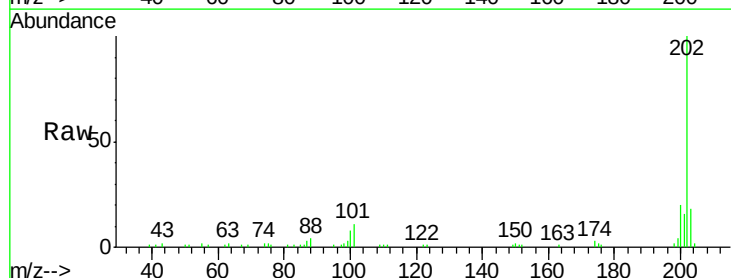
Tgt Ion:202 Resp: 70992

Ion Ratio Lower Upper

202 100

200 19.9 15.0 22.4

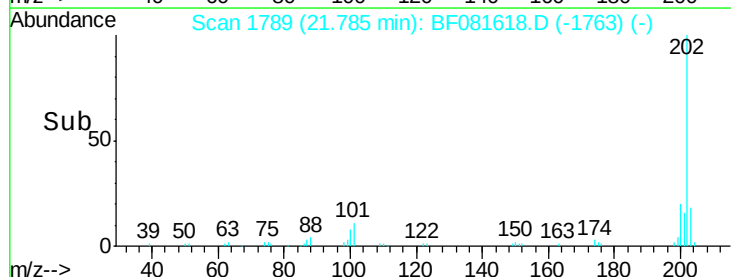
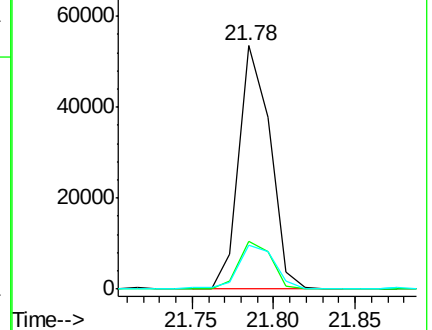
203 17.8 14.1 21.1

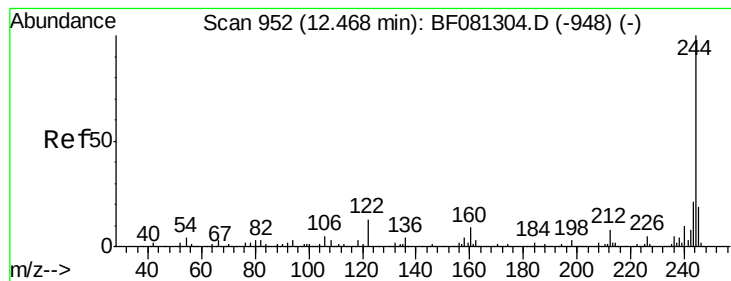


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 10.13 ng

RT: 22.12 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF081618.D

Acq: 14 Sep 2015 21:17

Instrument :

BNA_F

ClientSampleId :

GP-12(0-5)

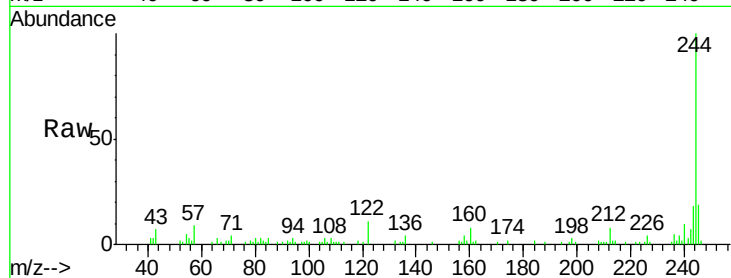
Tgt Ion:244 Resp: 56265

Ion Ratio Lower Upper

244 100

212 7.6 4.3 6.5#

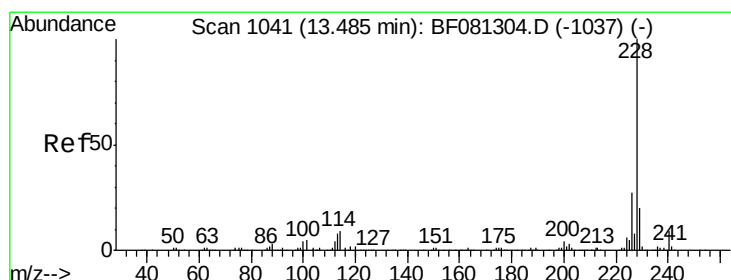
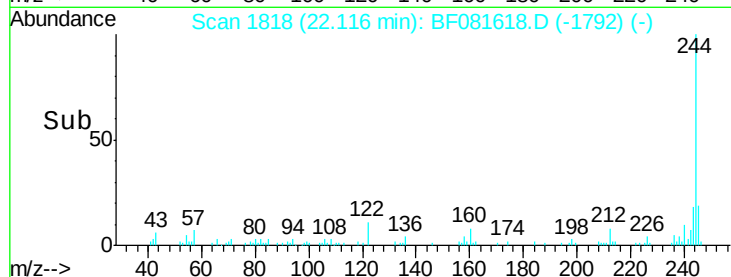
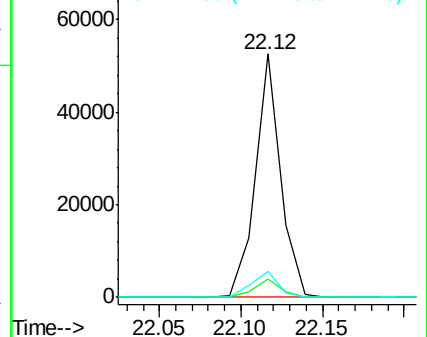
122 10.5 17.4 26.2#



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: 5.24 ng

RT: 23.38 min Scan# 1929

Delta R.T. 0.01 min

Lab File: BF081618.D

Acq: 14 Sep 2015 21:17

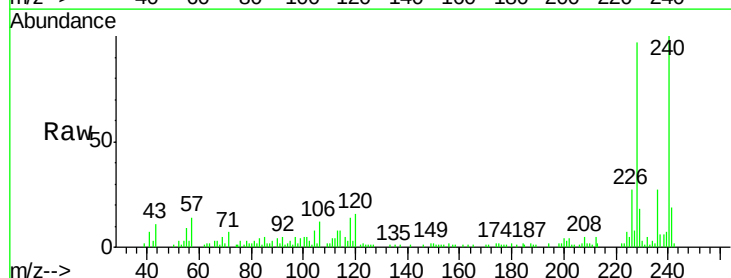
Tgt Ion:228 Resp: 43120

Ion Ratio Lower Upper

228 100

226 27.7 20.0 30.0

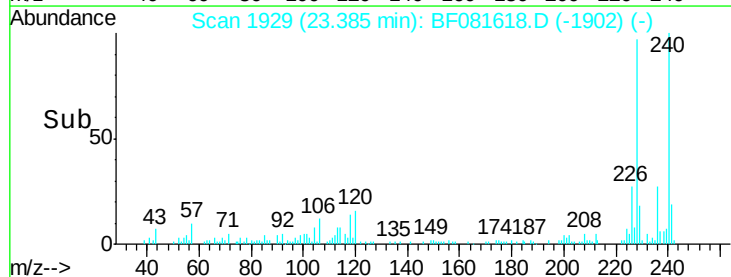
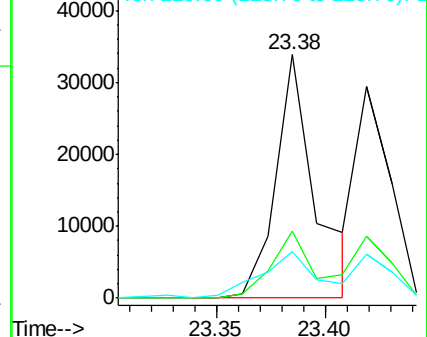
229 19.0 15.4 23.2

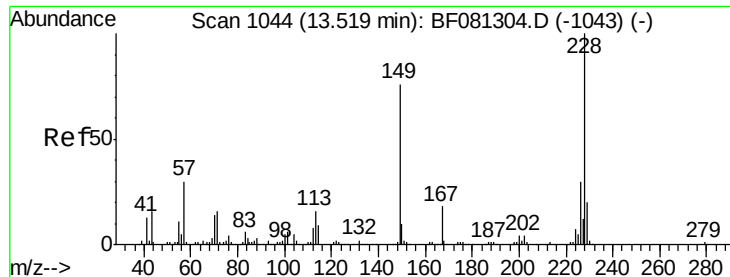


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



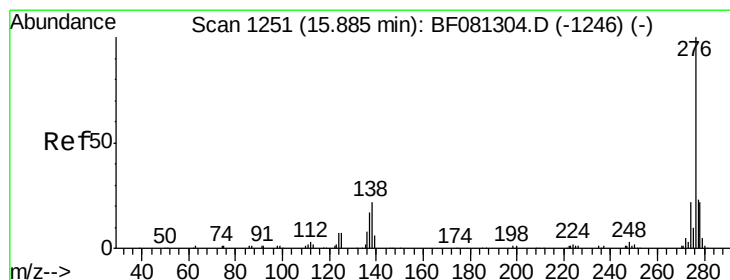
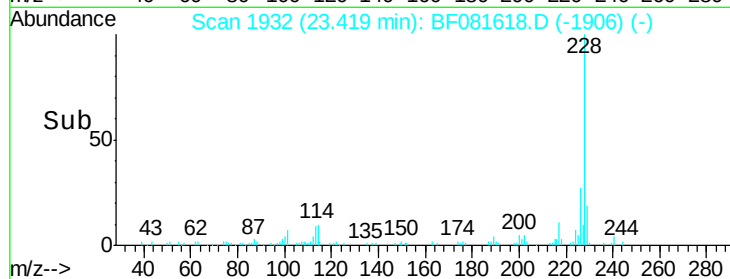
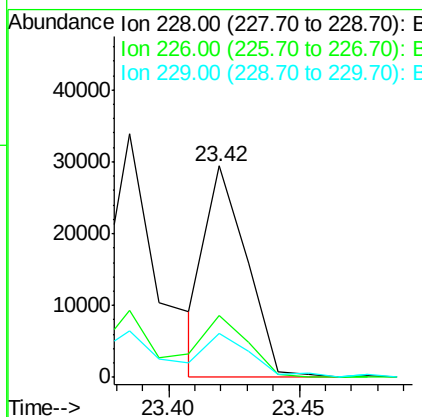
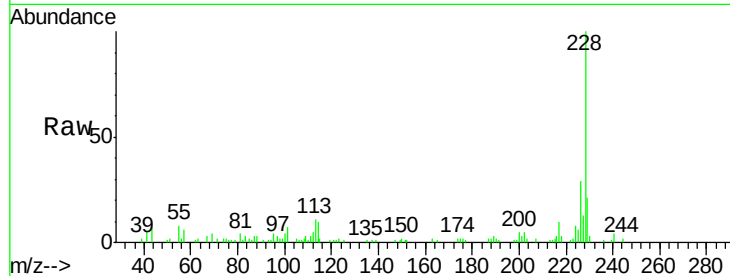


#82
Chrysene
 Concen: 4.33 ng
 RT: 23.42 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: BF081618.D
 Acq: 14 Sep 2015 21:17

Instrument :
 BNA_F
 ClientSampleId :
 GP-12(0-5)

Tgt Ion: 228 Resp: 31956

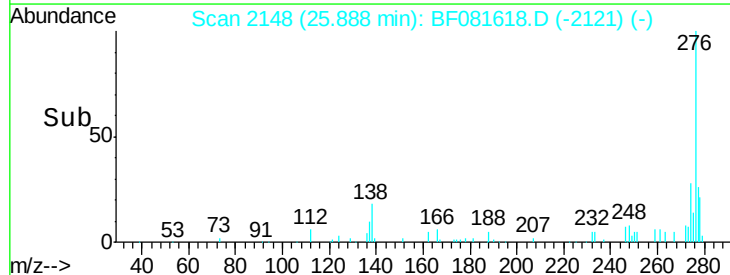
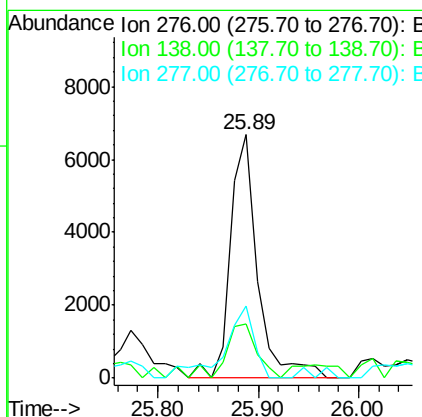
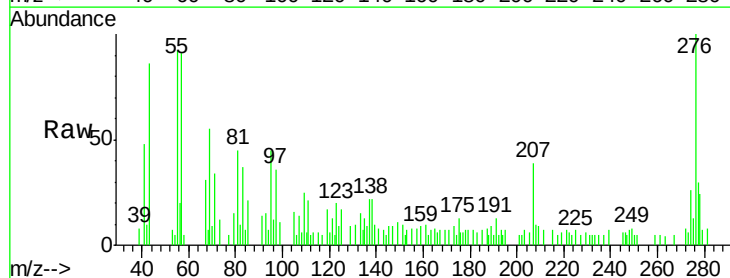
Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.0	31.4
229	20.7	15.6	23.4

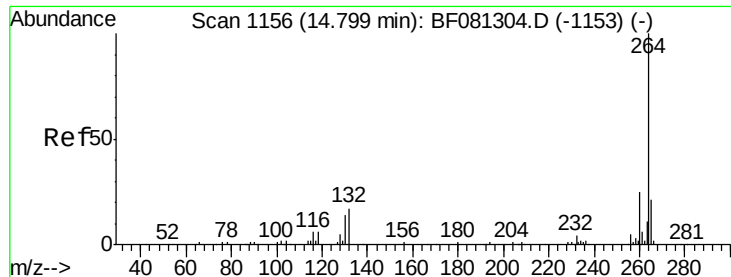


#85
Indeno(1,2,3-cd)pyrene
 Concen: 2.31 ng
 RT: 25.89 min Scan# 2148
 Delta R.T. 0.01 min
 Lab File: BF081618.D
 Acq: 14 Sep 2015 21:17

Tgt Ion: 276 Resp: 12527

Ion	Ratio	Lower	Upper
276	100		
138	25.6	25.7	38.5#
277	32.8	15.6	23.4#

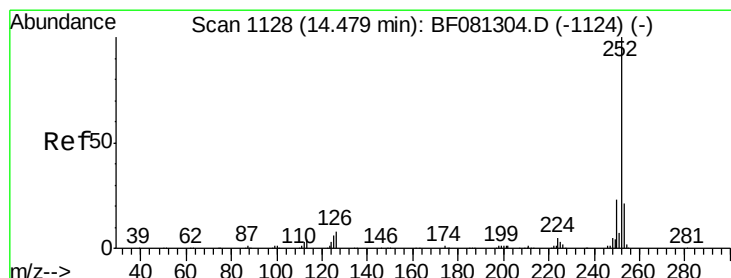
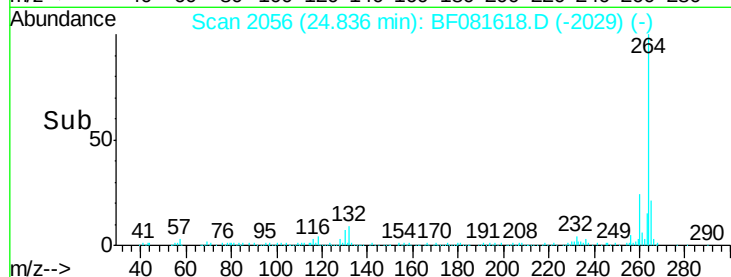
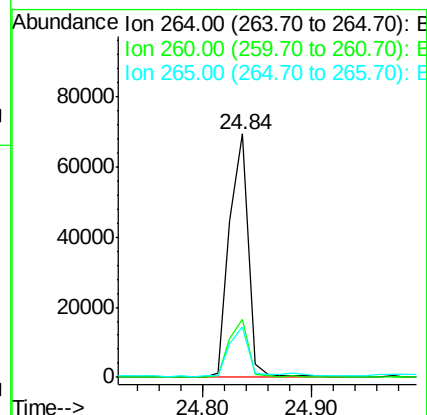
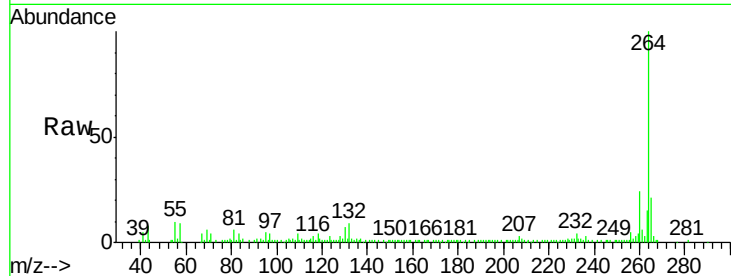




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.84 min Scan# 2056
Delta R.T. 0.01 min
Lab File: BF081618.D
Acq: 14 Sep 2015 21:17

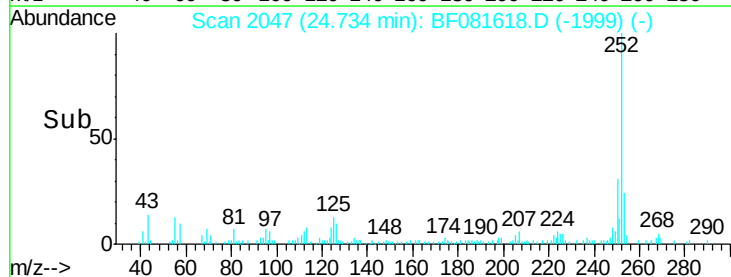
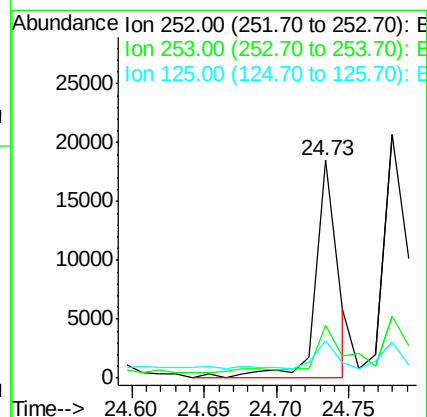
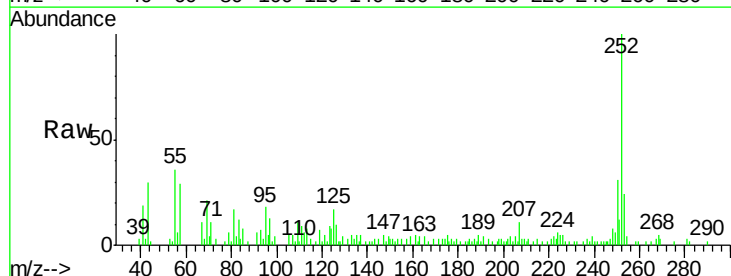
Instrument :
BNA_F
ClientSampleId :
GP-12(0-5)

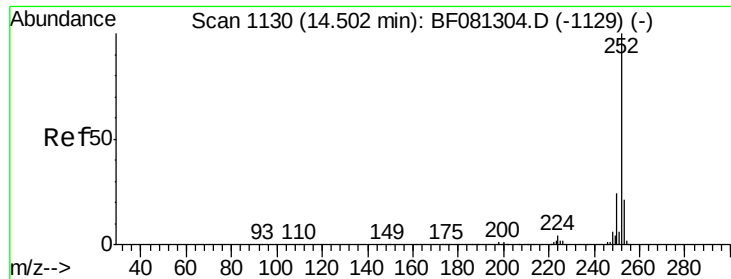
Tgt Ion:264 Resp: 83505
Ion Ratio Lower Upper
264 100
260 23.9 16.7 25.1
265 20.8 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 3.29 ng
RT: 24.73 min Scan# 2047
Delta R.T. 0.25 min
Lab File: BF081618.D
Acq: 14 Sep 2015 21:17

Tgt Ion:252 Resp: 19598
Ion Ratio Lower Upper
252 100
253 24.2 17.5 26.3
125 17.1 17.1 25.7





#88

Benzo(k)fluoranthene

Concen: 4.07 ng

RT: 24.73 min Scan# 2047

Delta R.T. 0.23 min

Lab File: BF081618.D

Acq: 14 Sep 2015 21:17

Instrument :

BNA_F

ClientSampleId :

GP-12(0-5)

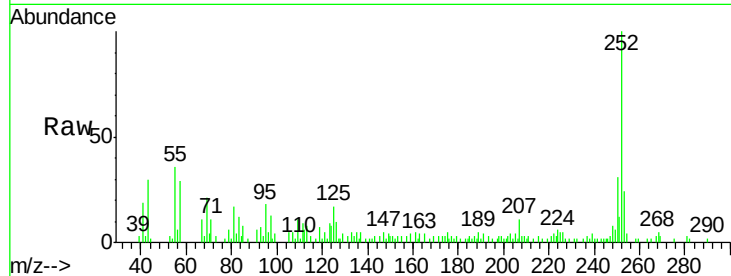
Tgt Ion:252 Resp: 20130

Ion Ratio Lower Upper

252 100

253 24.2 17.0 25.4

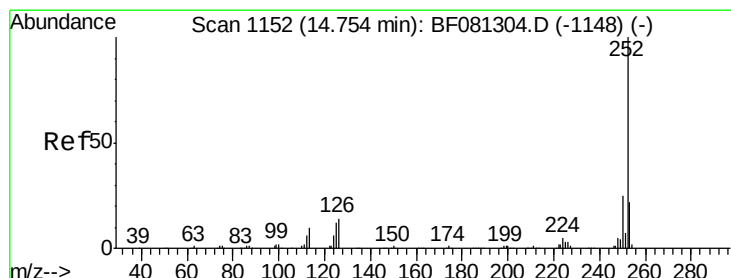
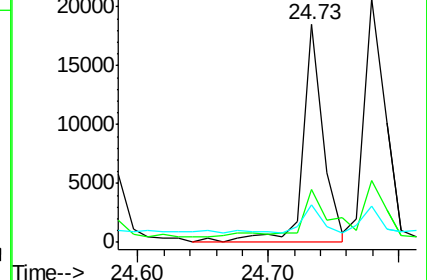
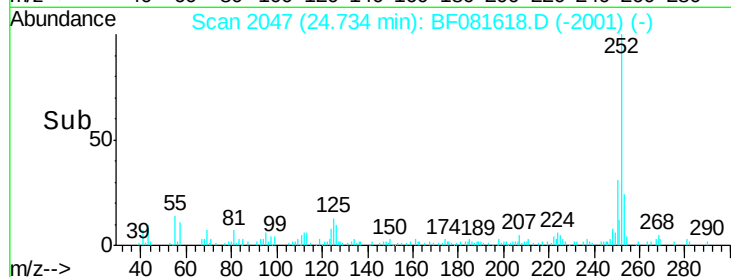
125 17.1 16.0 24.0



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: 4.66 ng

RT: 24.78 min Scan# 2051

Delta R.T. 0.00 min

Lab File: BF081618.D

Acq: 14 Sep 2015 21:17

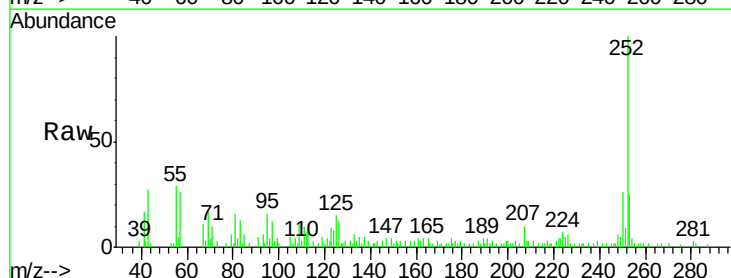
Tgt Ion:252 Resp: 23523

Ion Ratio Lower Upper

252 100

253 25.5 17.2 25.8

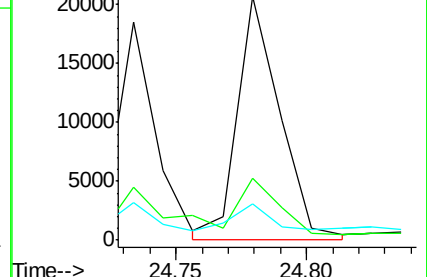
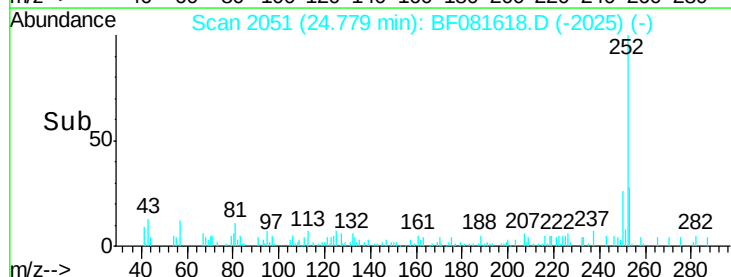
125 14.9 18.0 27.0#

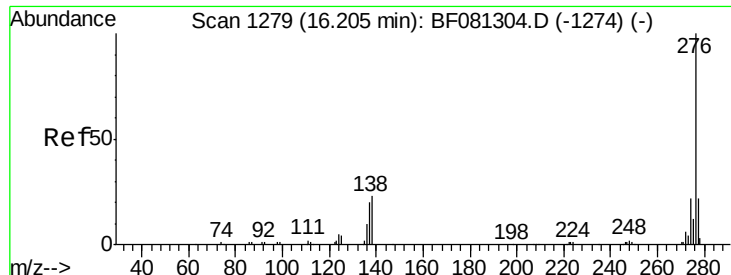


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.99 ng

RT: 26.20 min Scan# 2175

Delta R.T. 0.01 min

Lab File: BF081618.D

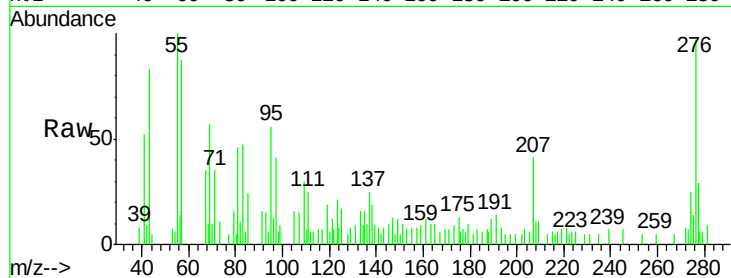
Acq: 14 Sep 2015 21:17

Instrument :

BNA_F

ClientSampleId :

GP-12(0-5)



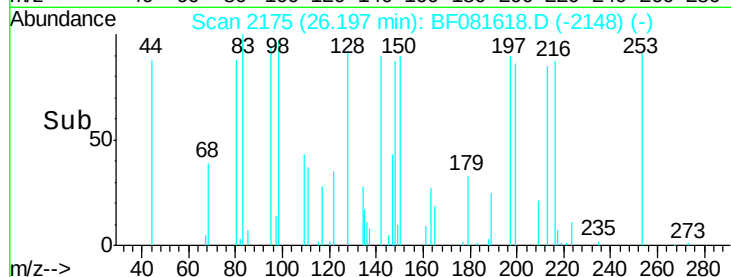
Tgt Ion: 276 Resp: 11151

Ion Ratio Lower Upper

276 100

277 30.2 17.8 26.6#

138 20.0 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

