

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091415\
 Data File : BF081616.D
 Acq On : 14 Sep 2015 20:03
 Operator : UM/IZ
 Sample : G3597-10 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-10(0-5)

Quant Time: Sep 15 01:33:54 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

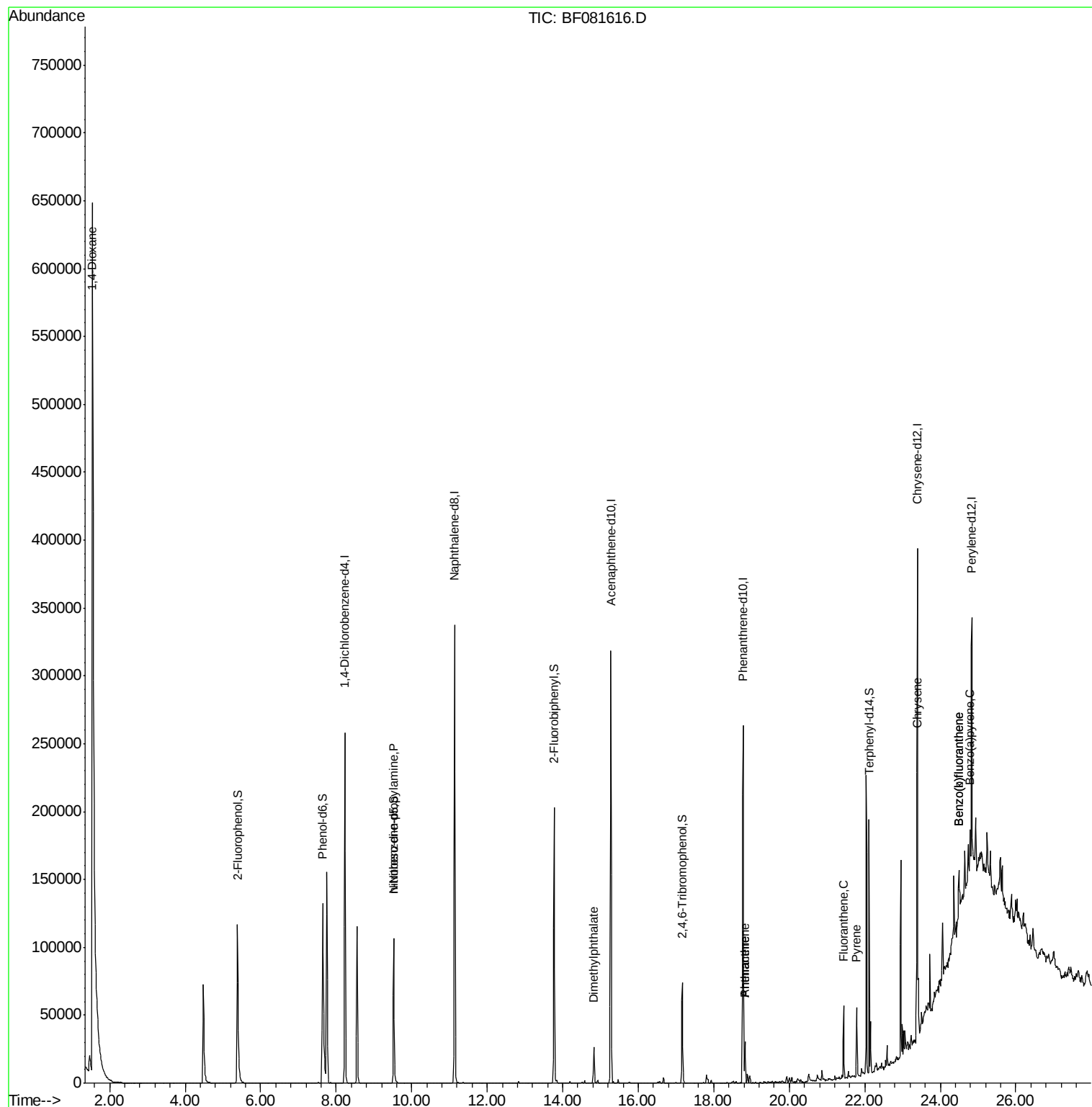
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	62388	20.00	ng	0.00
21) Naphthalene-d8	11.13	136	255042	20.00	ng	0.00
38) Acenaphthene-d10	15.27	164	114204	20.00	ng	0.00
63) Phenanthrene-d10	18.78	188	182072	20.00	ng	0.01
75) Chrysene-d12	23.40	240	127409	20.00	ng	0.00
86) Perylene-d12	24.84	264	87020	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	65253	16.23	ng	0.01
7) Phenol-d6	7.65	99	93471	17.56	ng	-0.01
23) Nitrobenzene-d5	9.52	82	59478	11.25	ng	-0.02
41) 2,4,6-Tribromophenol	17.17	330	13755	13.53	ng	-0.01
44) 2-Fluorobiphenyl	13.77	172	106587	11.96	ng	-0.01
78) Terphenyl-d14	22.12	244	58165	10.63	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.54	88	37932	21.00	ng	# 11
19) n-Nitroso-di-n-propylamine	9.52	70	7575	2.09	ng	# 64
49) Dimethylphthalate	14.82	163	21040	2.37	ng	# 95
70) Phenanthrene	18.82	178	22178	2.19	ng	97
71) Anthracene	18.82	178	22178	2.13	ng	97
74) Fluoranthene	21.44	202	31598	2.88	ng	88
77) Pyrene	21.78	202	29516	3.13	ng	95
82) Chrysene	23.38	228	14646	2.01	ng	94
87) Benzo(b)fluoranthene	24.49	252	23252	3.74	ng	# 90
88) Benzo(k)fluoranthene	24.49	252	23252	4.51	ng	# 91
89) Benzo(a)pyrene	24.78	252	10946	2.08	ng	# 91

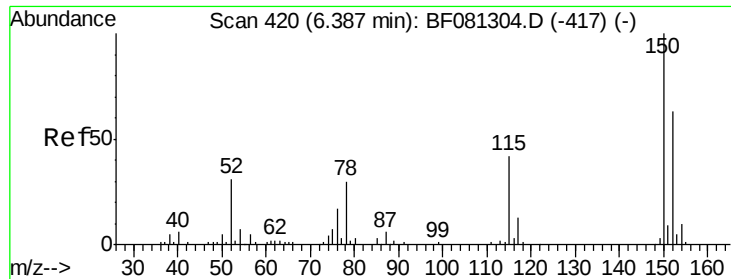
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF081616.D

Acq: 14 Sep 2015 20:03

Instrument :

BNA_F

ClientSampleId :

GP-10(0-5)

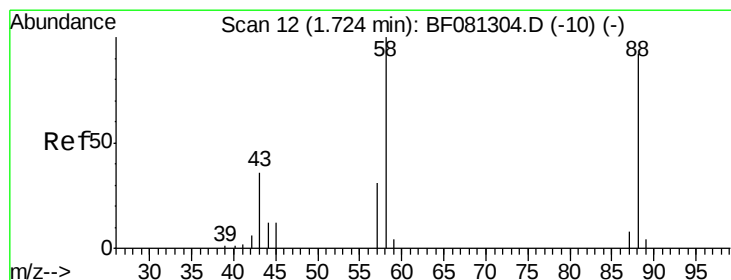
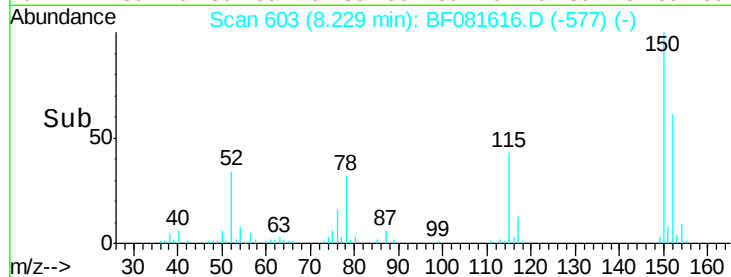
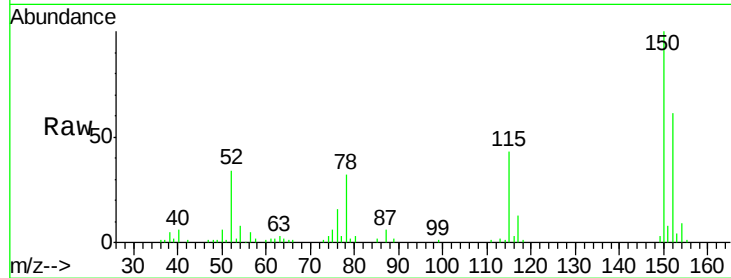
Tgt Ion:152 Resp: 62388

Ion Ratio Lower Upper

152 100

150 163.1 124.7 187.1

115 70.1 39.0 58.4#



#2

1,4-Dioxane

Concen: 21.00 ng

RT: 1.54 min Scan# 18

Delta R.T. -0.02 min

Lab File: BF081616.D

Acq: 14 Sep 2015 20:03

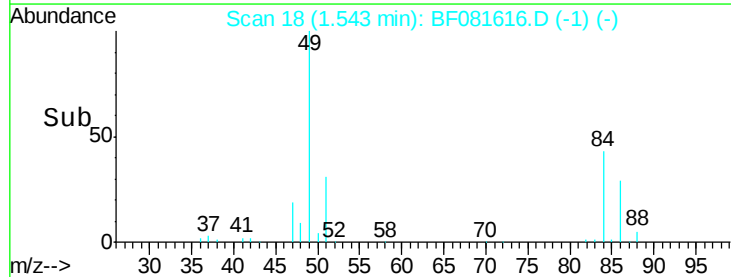
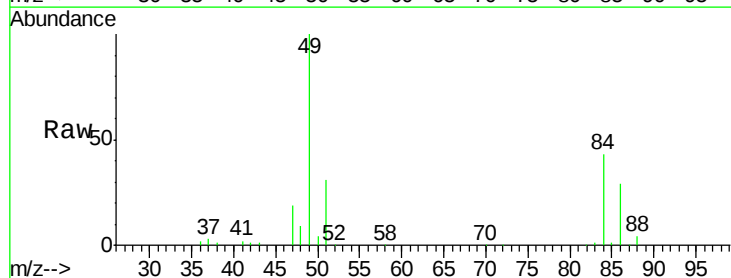
Tgt Ion: 88 Resp: 37932

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

43 0.0 26.6 40.0#

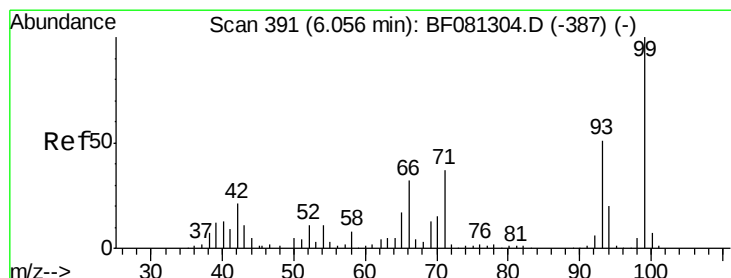
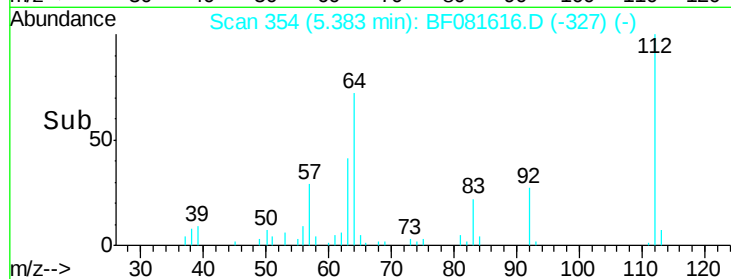
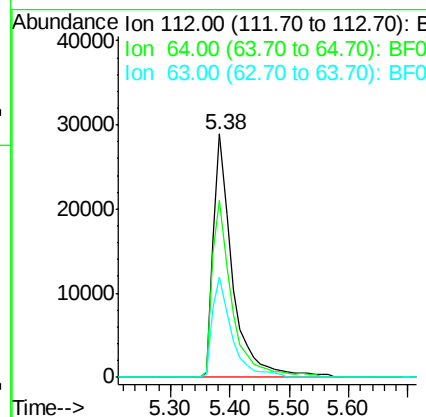
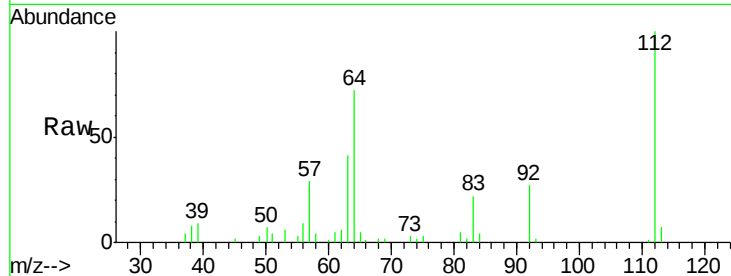




#5
 2-Fluorophenol
 Concen: 16.23 ng
 RT: 5.38 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: BF081616.D
 Acq: 14 Sep 2015 20:03

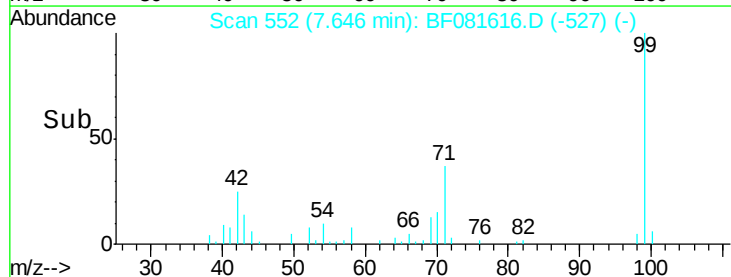
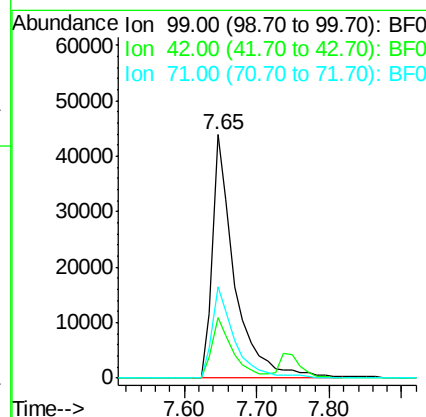
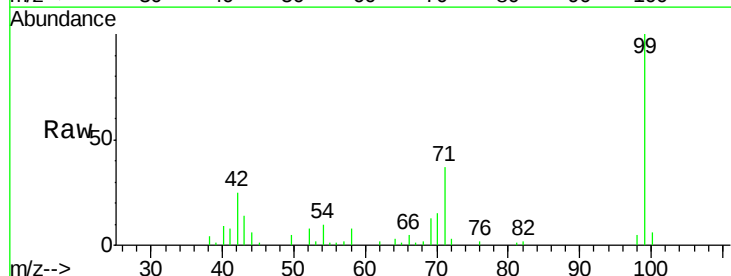
Instrument :
 BNA_F
 ClientSampleId :
 GP-10(0-5)

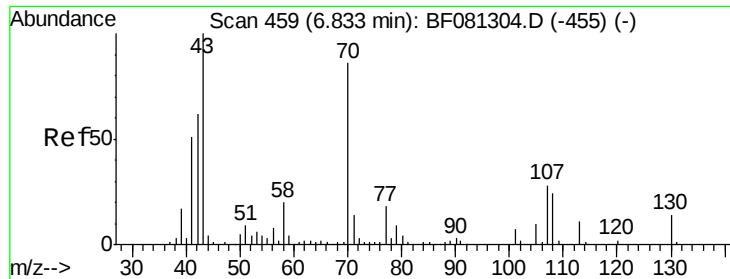
Tgt Ion: 112 Resp: 65253
 Ion Ratio Lower Upper
 112 100
 64 72.5 39.7 59.5#
 63 41.0 17.4 26.0#



#7
 Phenol-d6
 Concen: 17.56 ng
 RT: 7.65 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: BF081616.D
 Acq: 14 Sep 2015 20:03

Tgt Ion: 99 Resp: 93471
 Ion Ratio Lower Upper
 99 100
 42 24.8 13.7 20.5#
 71 37.3 14.2 21.2#

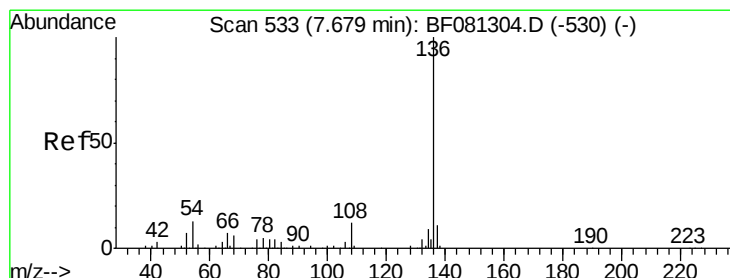
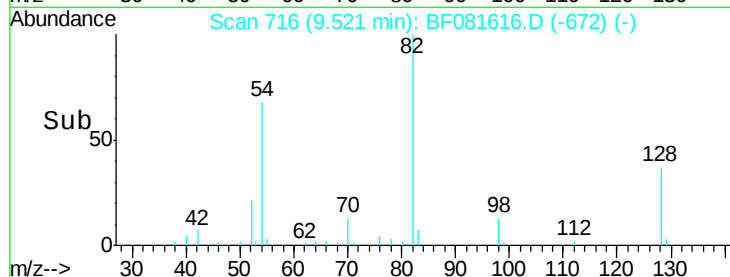
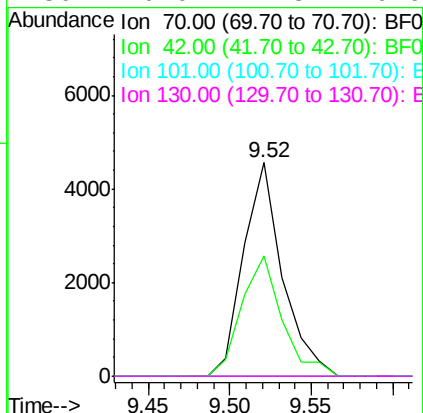
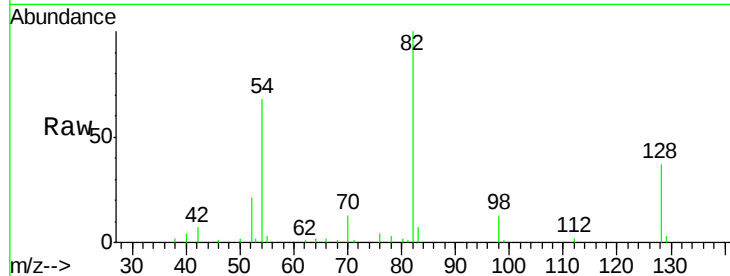




#19
n-Nitroso-di-n-propylamine
Concen: 2.09 ng
RT: 9.52 min Scan# 716
Delta R.T. 0.21 min
Lab File: BF081616.D
Acq: 14 Sep 2015 20:03

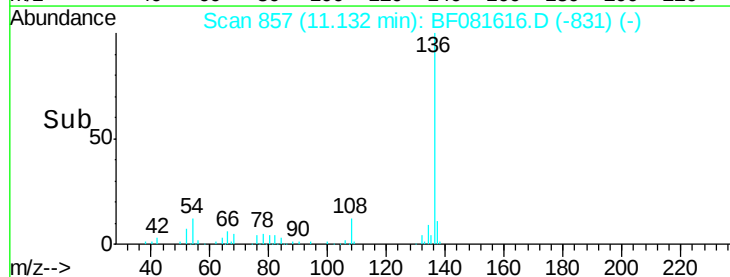
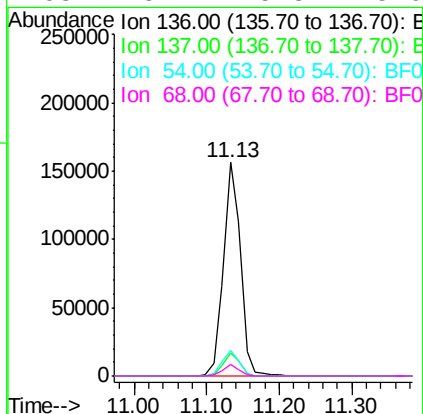
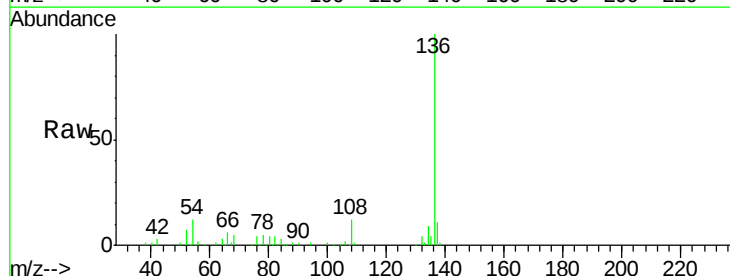
Instrument :
BNA_F
ClientSampleId :
GP-10(0-5)

Tgt Ion: 70 Resp: 7575
Ion Ratio Lower Upper
70 100
42 56.6 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: BF081616.D
Acq: 14 Sep 2015 20:03

Tgt Ion: 136 Resp: 255042
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 12.1 8.2 12.2
68 5.4 5.8 8.6#

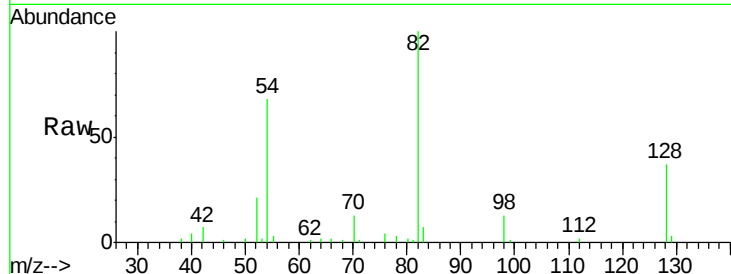




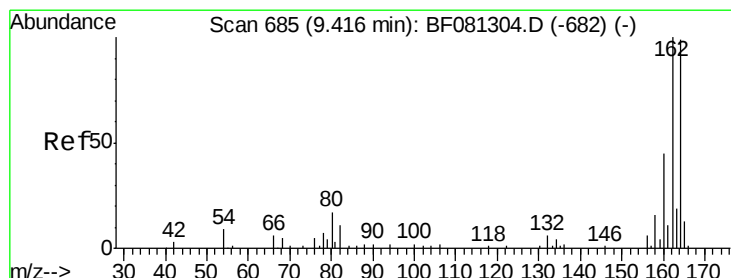
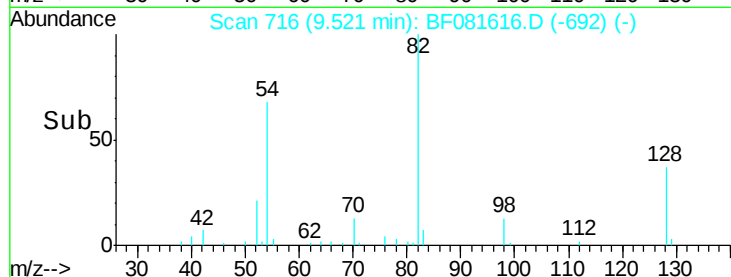
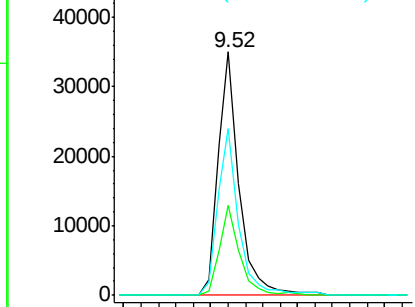
#23
 Nitrobenzene-d5
 Concen: 11.25 ng
 RT: 9.52 min Scan# 716
 Delta R.T. -0.02 min
 Lab File: BF081616.D
 Acq: 14 Sep 2015 20:03

Instrument :
 BNA_F
 ClientSampleId :
 GP-10(0-5)

Tgt Ion: 82 Resp: 59478
 Ion Ratio Lower Upper
 82 100
 128 37.2 51.0 76.6#
 54 68.4 47.5 71.3

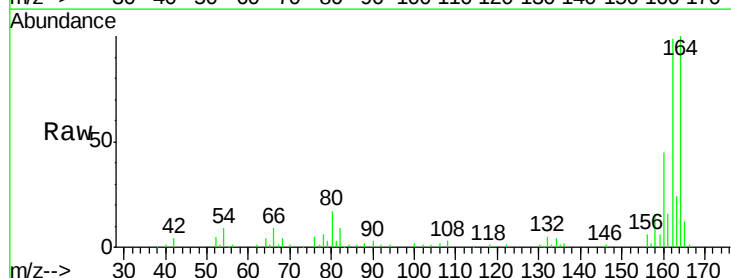


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

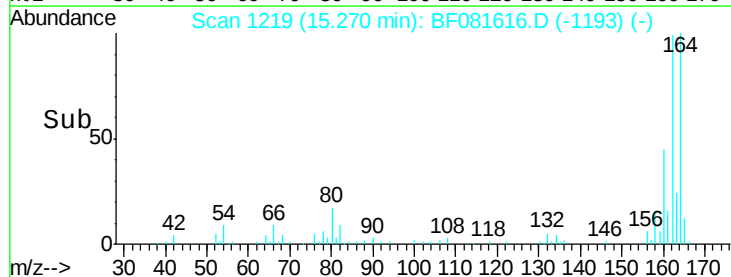
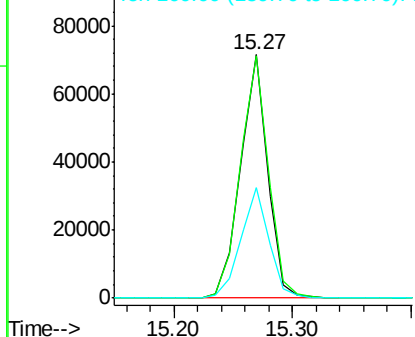


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.27 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: BF081616.D
 Acq: 14 Sep 2015 20:03

Tgt Ion: 164 Resp: 114204
 Ion Ratio Lower Upper
 164 100
 162 99.4 75.2 112.8
 160 45.3 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

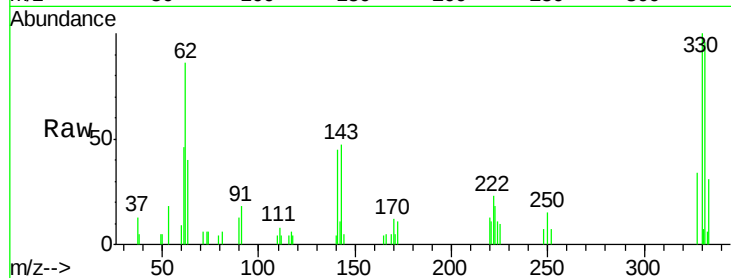




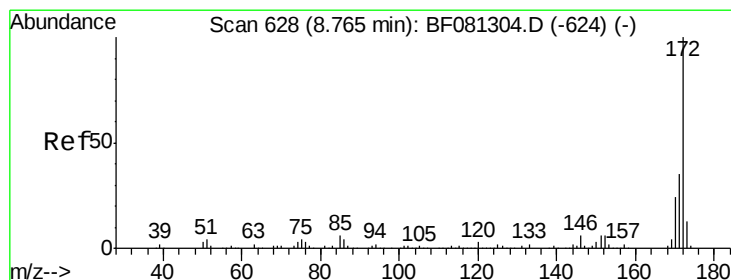
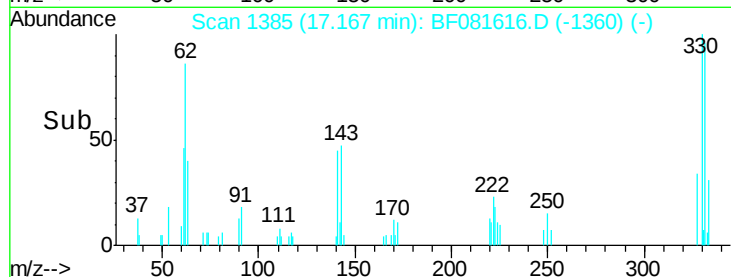
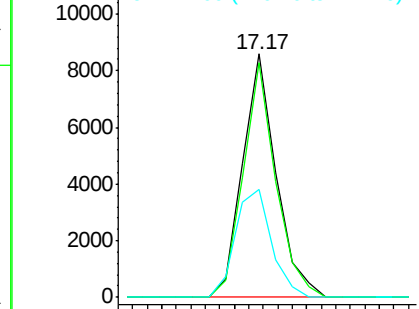
#41
 2,4,6-Tribromophenol
 Concen: 13.53 ng
 RT: 17.17 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BF081616.D
 Acq: 14 Sep 2015 20:03

Instrument :
 BNA_F
 ClientSampleId :
 GP-10(0-5)

Tgt Ion:330 Resp: 13755
 Ion Ratio Lower Upper
 330 100
 332 93.9 76.6 114.8
 141 48.3 29.7 44.5#

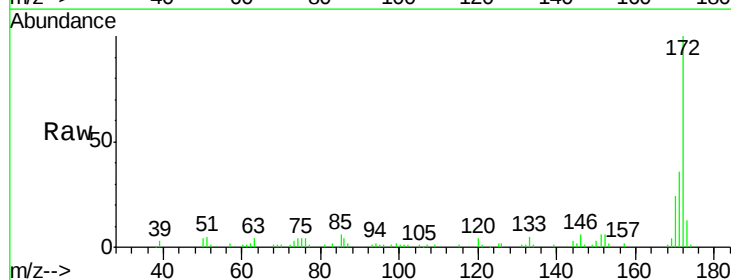


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

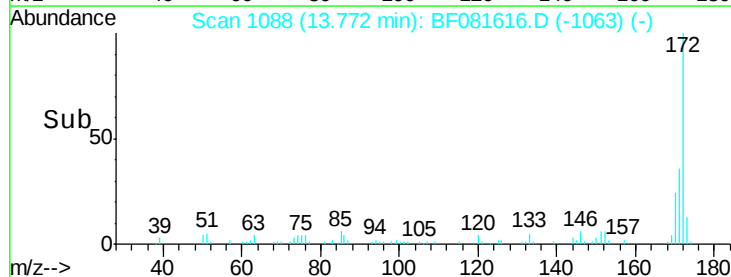
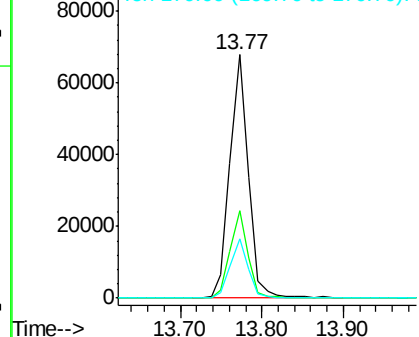


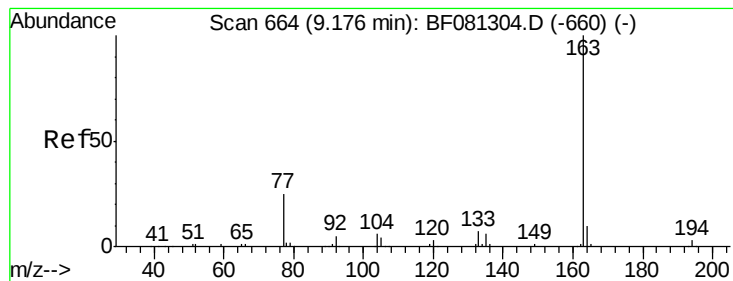
#44
 2-Fluorobiphenyl
 Concen: 11.96 ng
 RT: 13.77 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BF081616.D
 Acq: 14 Sep 2015 20:03

Tgt Ion:172 Resp: 106587
 Ion Ratio Lower Upper
 172 100
 171 36.0 26.1 39.1
 170 24.4 17.4 26.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.37 ng

RT: 14.82 min Scan# 1180

Delta R.T. -0.05 min

Lab File: BF081616.D

Acq: 14 Sep 2015 20:03

Instrument :

BNA_F

ClientSampleId :

GP-10(0-5)

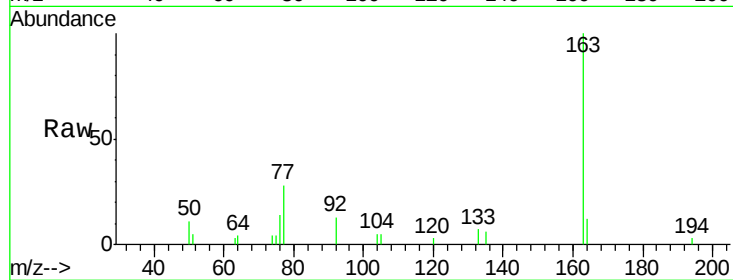
Tgt Ion:163 Resp: 21040

Ion Ratio Lower Upper

163 100

194 3.2 4.4 6.6#

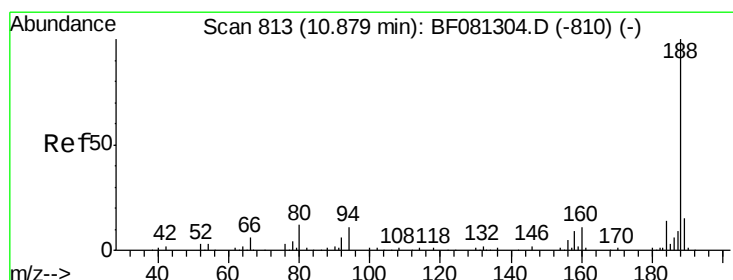
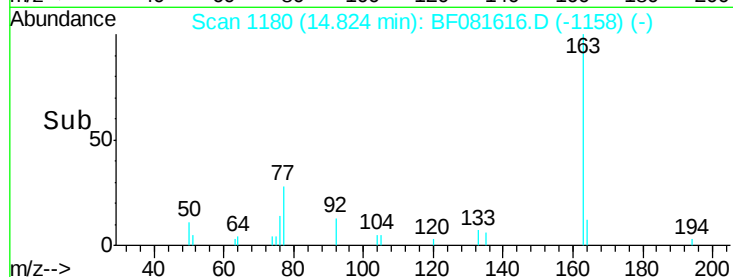
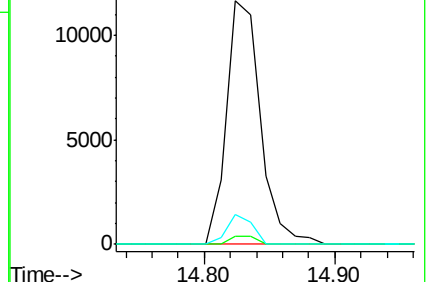
164 12.1 8.3 12.5



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: BF081616.D

Acq: 14 Sep 2015 20:03

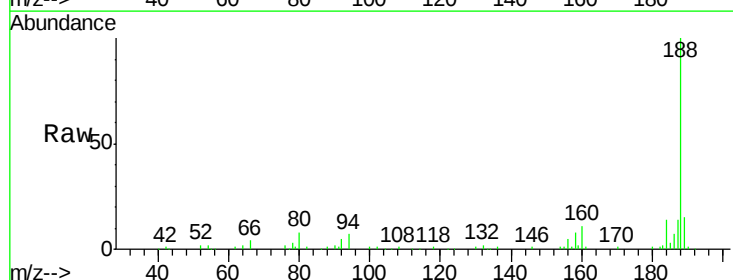
Tgt Ion:188 Resp: 182072

Ion Ratio Lower Upper

188 100

94 7.1 11.1 16.7#

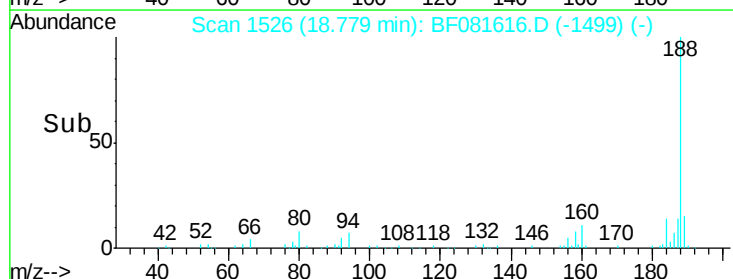
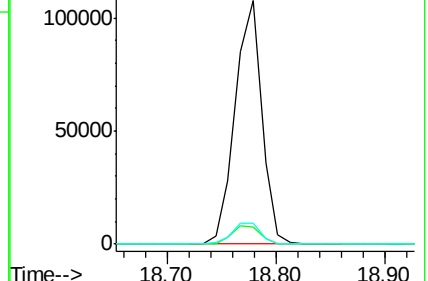
80 8.3 11.0 16.4#

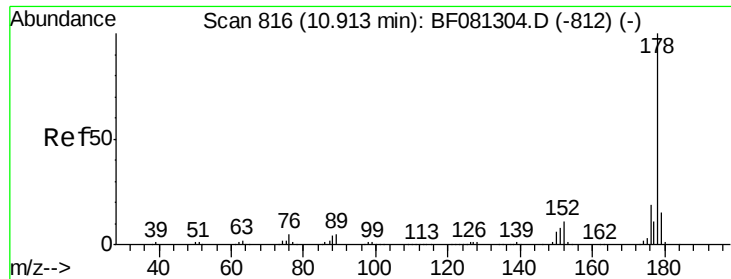


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

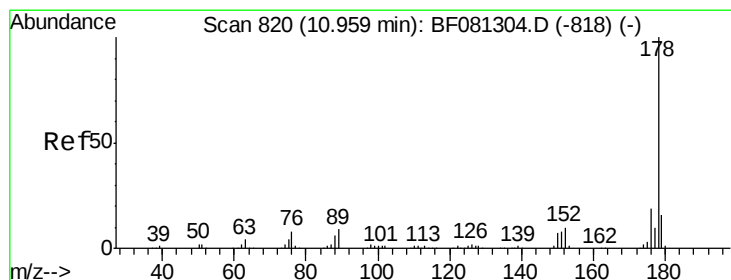
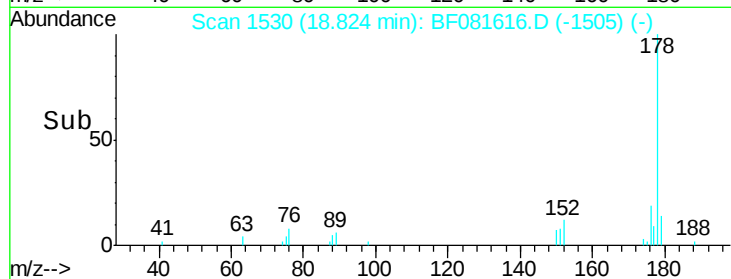
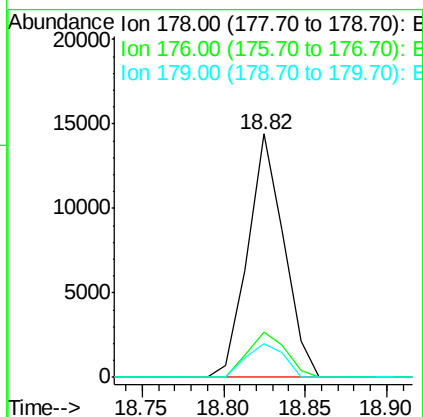
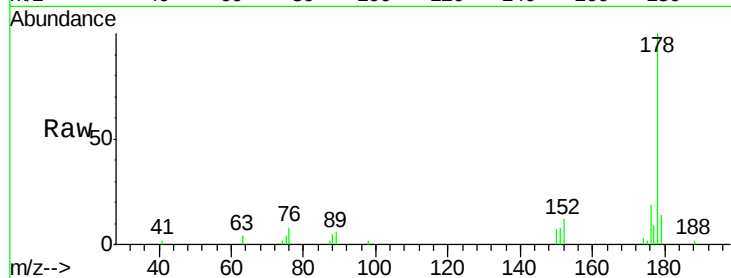




#70
Phenanthrene
Concen: 2.19 ng
RT: 18.82 min Scan# 1530
Delta R.T. -0.01 min
Lab File: BF081616.D
Acq: 14 Sep 2015 20:03

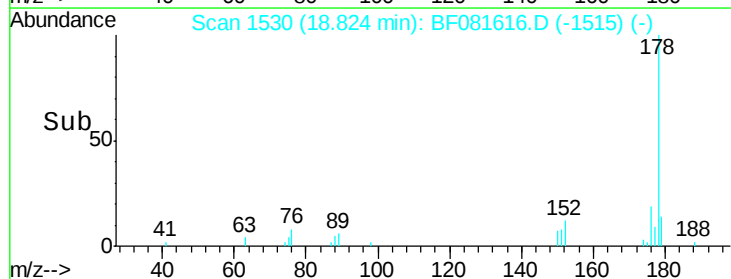
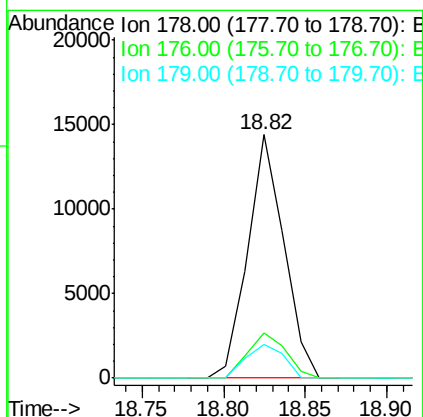
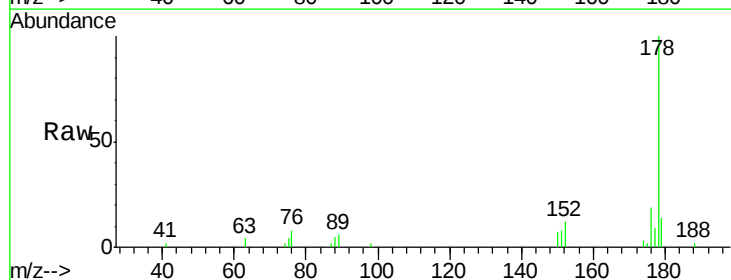
Instrument :
BNA_F
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GP-10(0-5)

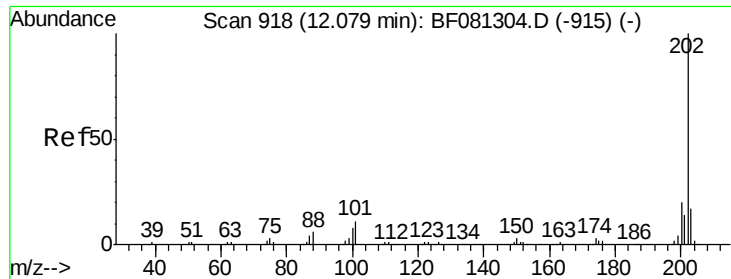
Tgt Ion:178 Resp: 22178
Ion Ratio Lower Upper
178 100
176 18.7 13.8 20.8
179 14.1 12.2 18.2



#71
Anthracene
Concen: 2.13 ng
RT: 18.82 min Scan# 1530
Delta R.T. -0.13 min
Lab File: BF081616.D
Acq: 14 Sep 2015 20:03

Tgt Ion:178 Resp: 22178
Ion Ratio Lower Upper
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176 18.7 14.1 21.1
179 14.1 12.2 18.2

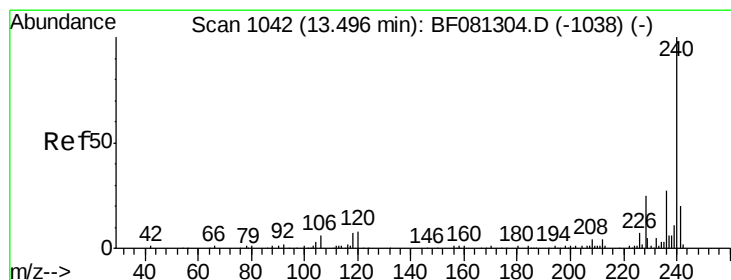
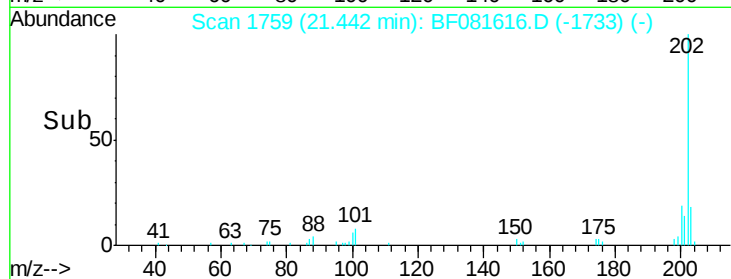
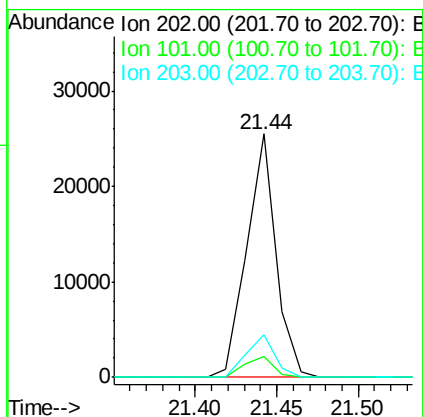
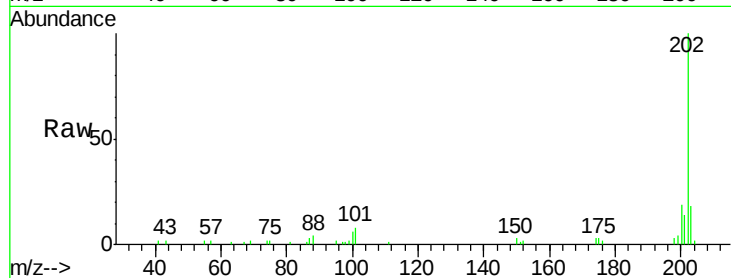




#74
 Fluoranthene
 Concen: 2.88 ng
 RT: 21.44 min Scan# 1759
 Delta R.T. 0.00 min
 Lab File: BF081616.D
 Acq: 14 Sep 2015 20:03

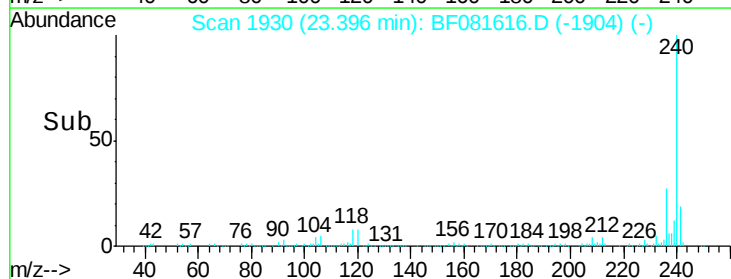
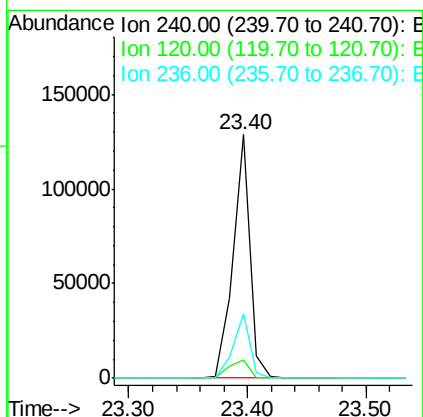
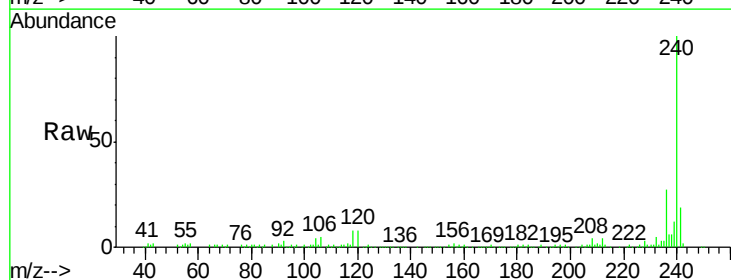
Instrument :
 BNA_F
 ClientSampleId :
 GP-10(0-5)

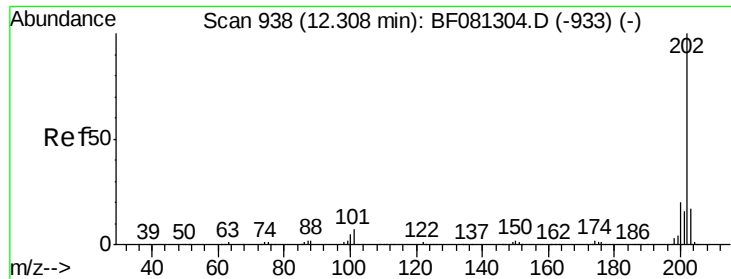
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	38.3
203	17.7	0.0	37.3



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 23.40 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: BF081616.D
 Acq: 14 Sep 2015 20:03

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

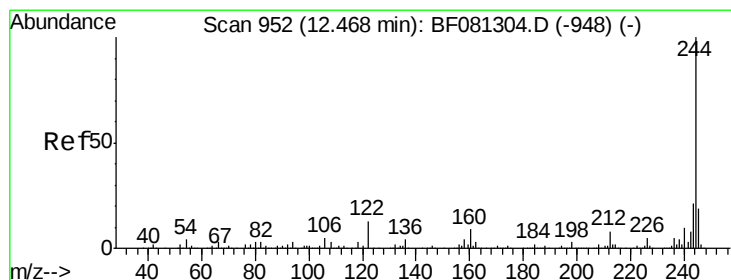
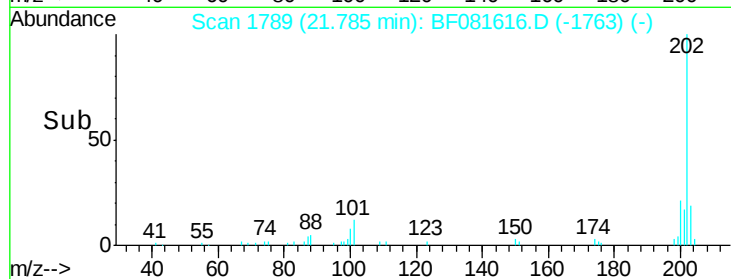
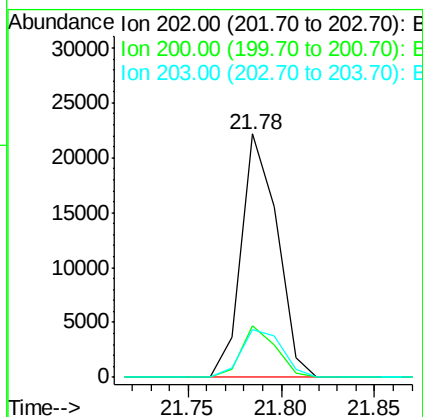
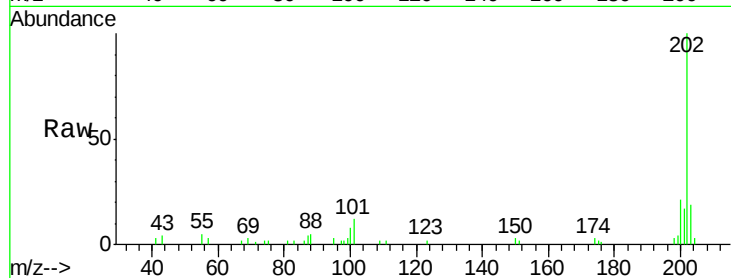




#77
 Pyrene
 Concen: 3.13 ng
 RT: 21.78 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: BF081616.D
 Acq: 14 Sep 2015 20:03

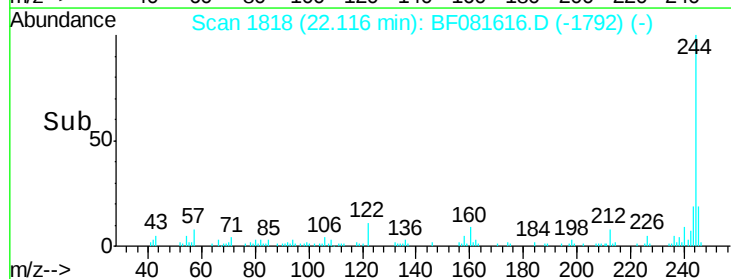
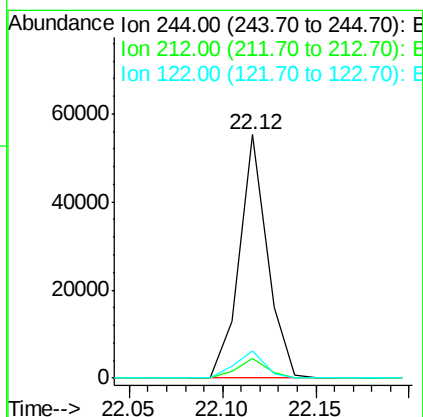
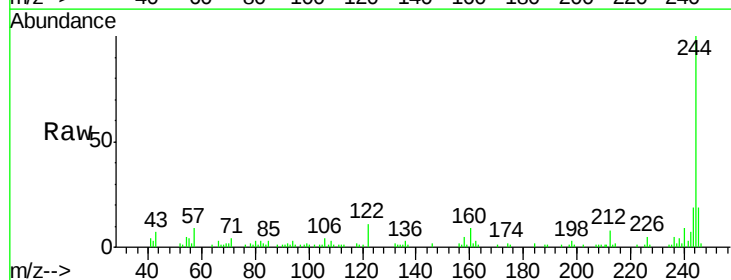
Instrument :
 BNA_F
 ClientSampleId :
 GP-10(0-5)

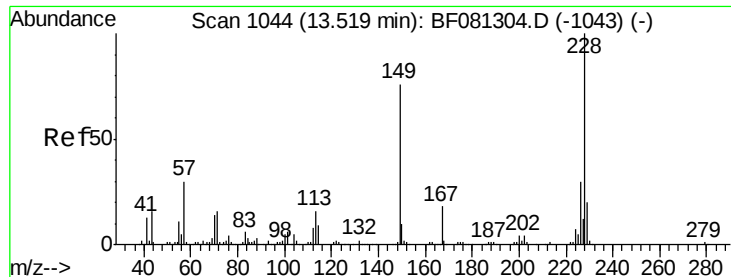
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	15.0	22.4
203	19.4	14.1	21.1



#78
 Terphenyl-d14
 Concen: 10.63 ng
 RT: 22.12 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: BF081616.D
 Acq: 14 Sep 2015 20:03

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	4.3	6.5#
122	11.2	17.4	26.2#





#82

Chrysene

Concen: 2.01 ng

RT: 23.38 min Scan# 1929

Delta R.T. -0.03 min

Lab File: BF081616.D

Acq: 14 Sep 2015 20:03

Instrument :

BNA_F

ClientSampleId :

GP-10(0-5)

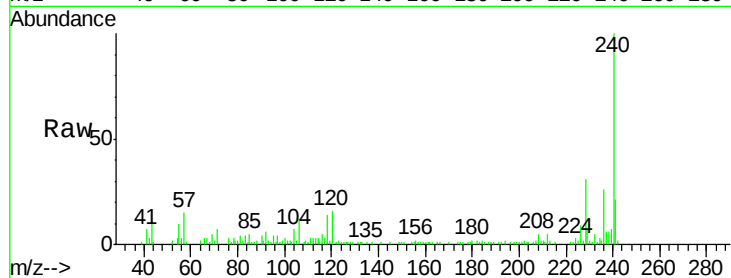
Tgt Ion:228 Resp: 14646

Ion Ratio Lower Upper

228 100

226 29.3 21.0 31.4

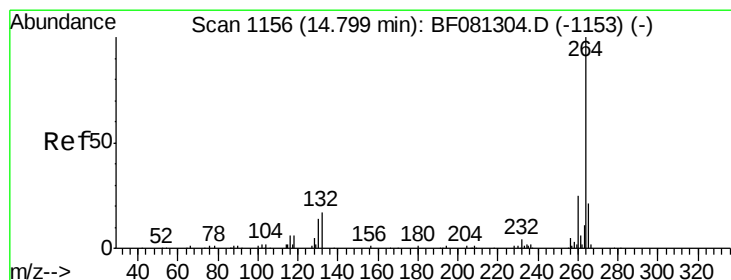
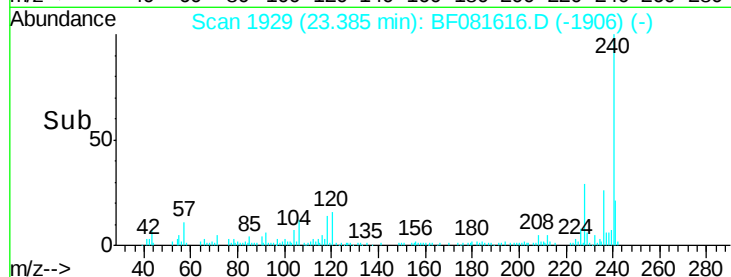
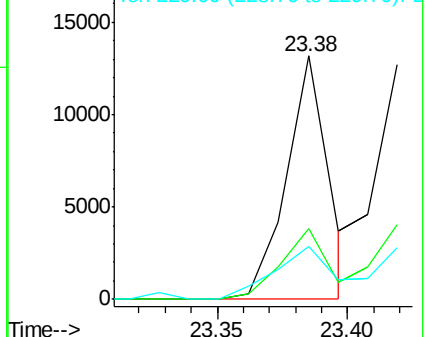
229 21.7 15.6 23.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 24.84 min Scan# 2056

Delta R.T. 0.01 min

Lab File: BF081616.D

Acq: 14 Sep 2015 20:03

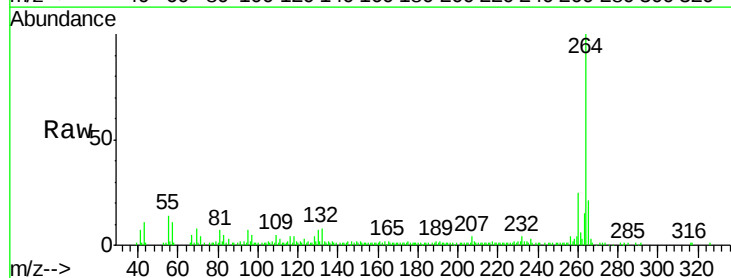
Tgt Ion:264 Resp: 87020

Ion Ratio Lower Upper

264 100

260 25.3 16.7 25.1#

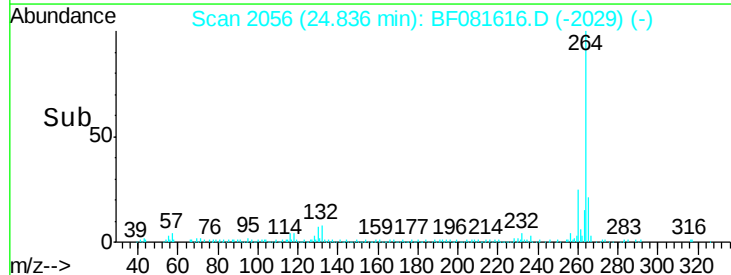
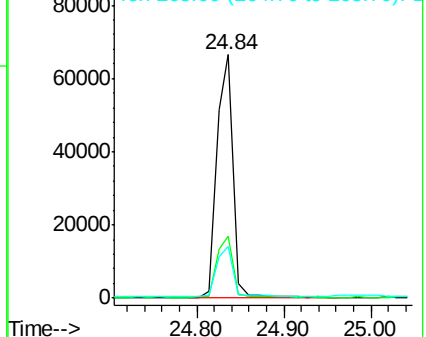
265 21.3 17.2 25.8

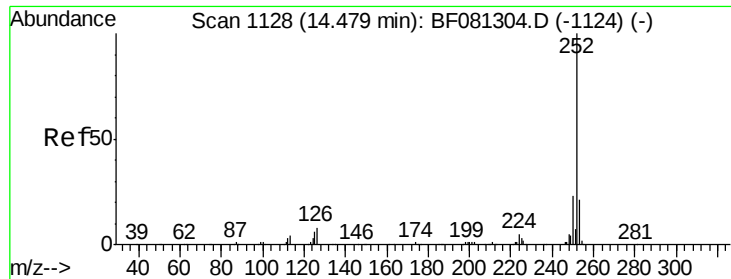


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.74 ng

RT: 24.49 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF081616.D

Acq: 14 Sep 2015 20:03

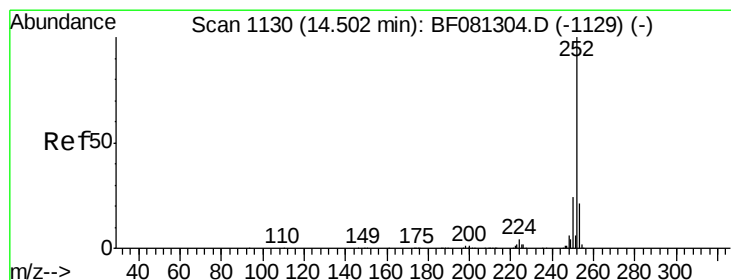
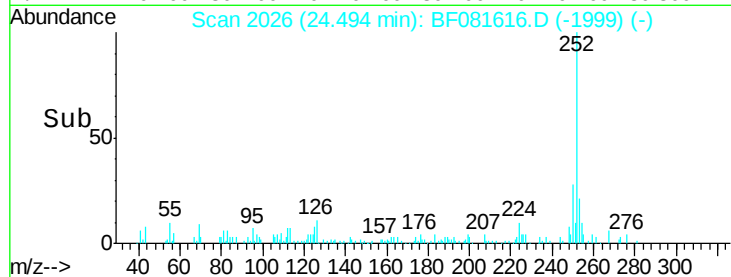
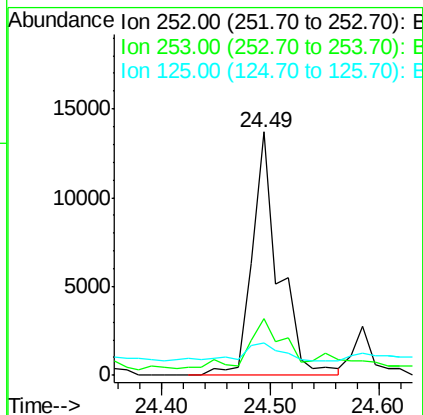
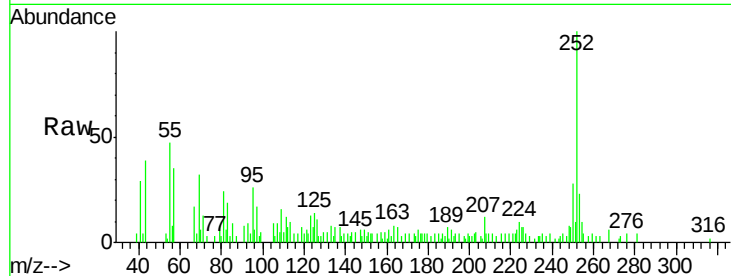
Instrument :

BNA_F

ClientSampleId :

GP-10(0-5)

Tgt Ion:	252	Resp:	23252
Ion Ratio		Lower	Upper
252	100		
253	23.4	17.5	26.3
125	13.6	17.1	25.7#



#88

Benzo(k)fluoranthene

Concen: 4.51 ng

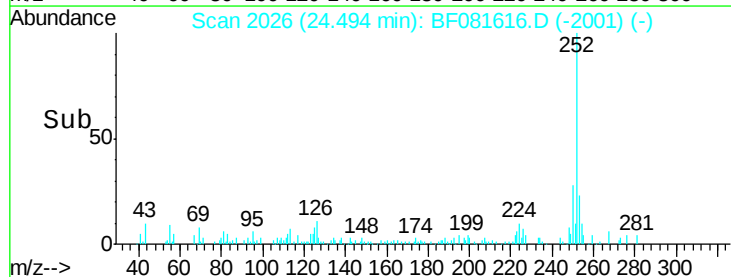
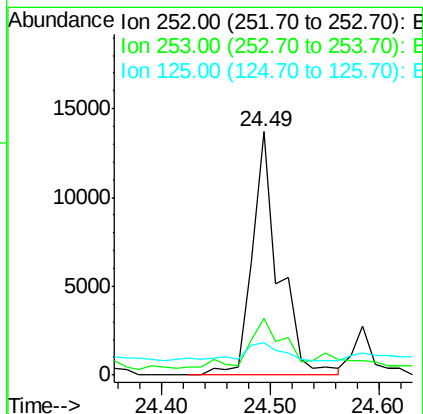
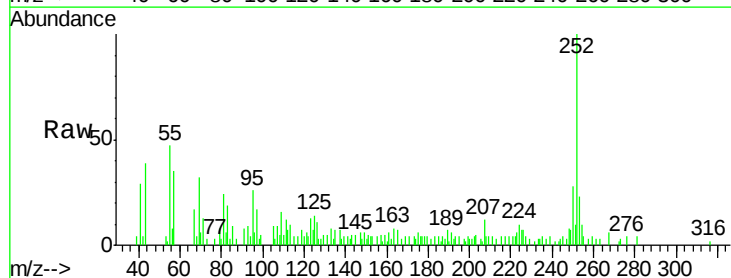
RT: 24.49 min Scan# 2026

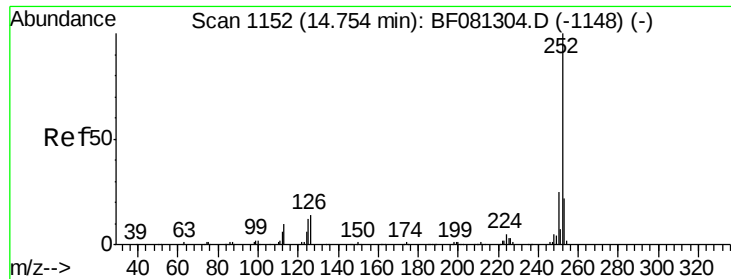
Delta R.T. -0.01 min

Lab File: BF081616.D

Acq: 14 Sep 2015 20:03

Tgt Ion:	252	Resp:	23252
Ion Ratio		Lower	Upper
252	100		
253	23.4	17.0	25.4
125	13.6	16.0	24.0#





#89

Benzo(a)pyrene

Concen: 2.08 ng

RT: 24.78 min Scan# 2051

Delta R.T. 0.00 min

Lab File: BF081616.D

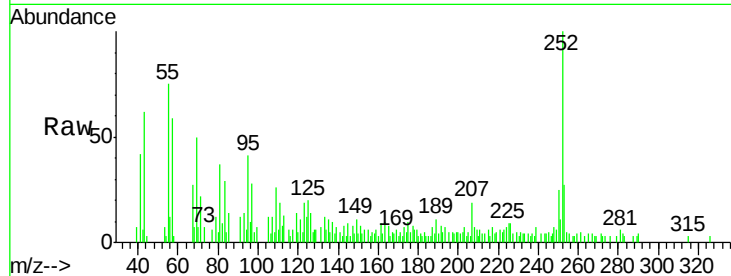
Acq: 14 Sep 2015 20:03

Instrument :

BNA_F

ClientSampleId :

GP-10(0-5)



Tgt Ion:	252	Resp:	10946
Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.2	25.8#
125	19.7	18.0	27.0

