

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091415\
 Data File : BF081613.D
 Acq On : 14 Sep 2015 18:14
 Operator : UM/IZ
 Sample : G3597-07 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-7(0-5)

Quant Time: Sep 15 01:32:44 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

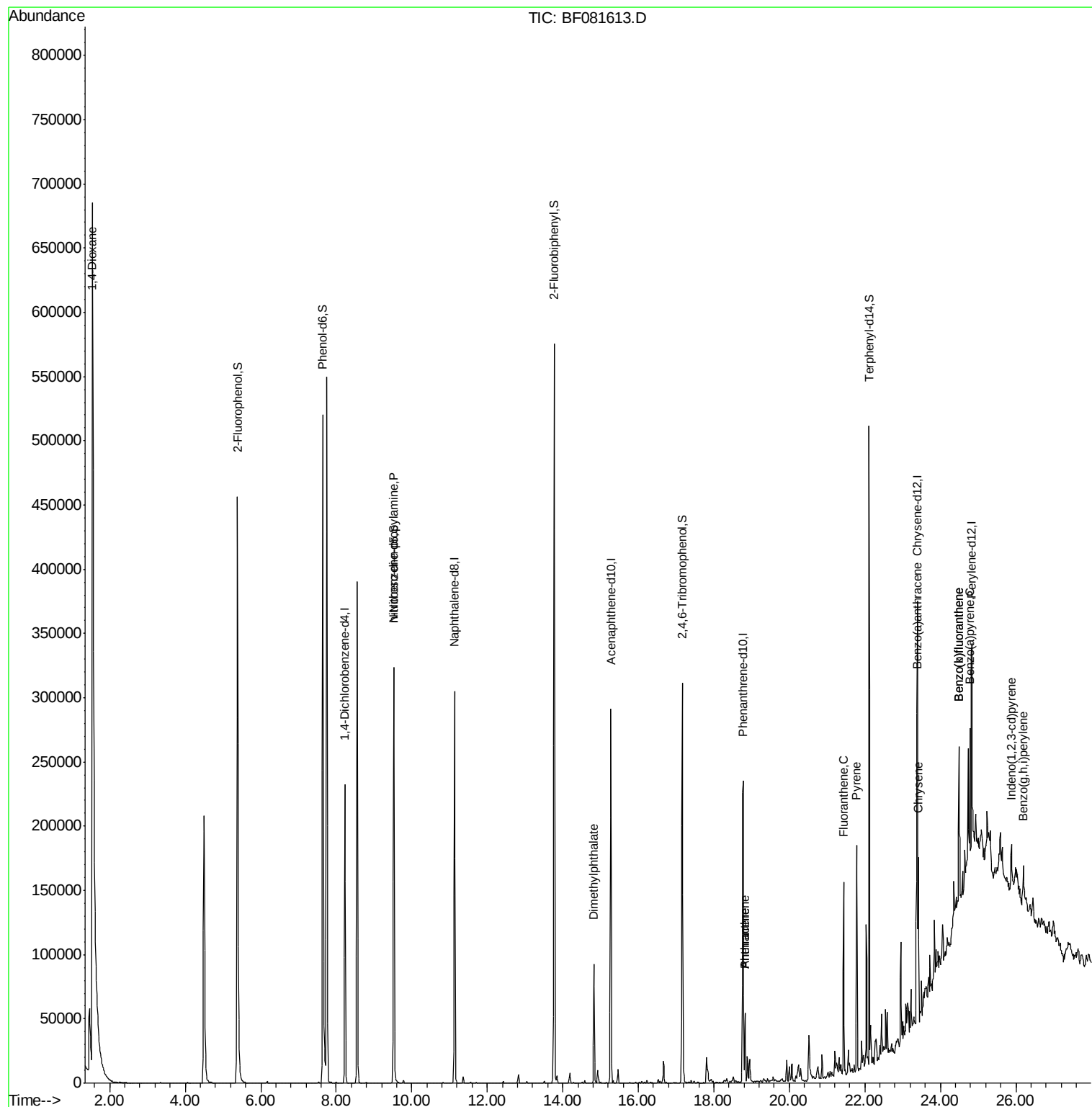
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	56744	20.00	ng	0.00
21) Naphthalene-d8	11.13	136	222256	20.00	ng	0.00
38) Acenaphthene-d10	15.27	164	100577	20.00	ng	0.00
63) Phenanthrene-d10	18.78	188	174535	20.00	ng	0.01
75) Chrysene-d12	23.40	240	103606	20.00	ng	0.00
86) Perylene-d12	24.84	264	82748	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	211792	57.91	ng	0.01
7) Phenol-d6	7.65	99	304036	62.80	ng	-0.01
23) Nitrobenzene-d5	9.52	82	194892	42.31	ng	-0.02
41) 2,4,6-Tribromophenol	17.17	330	49622	55.41	ng	-0.01
44) 2-Fluorobiphenyl	13.77	172	322560	41.10	ng	-0.01
78) Terphenyl-d14	22.12	244	186274	41.85	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	1.54	88	41095	25.02	ng	# 11
19) n-Nitroso-di-n-propylamine	9.52	70	25893	7.86	ng	# 65
49) Dimethylphthalate	14.82	163	64920	8.31	ng	# 97
70) Phenanthrene	18.82	178	36990	3.81	ng	99
71) Anthracene	18.82	178	36990	3.71	ng	99
74) Fluoranthene	21.44	202	86211	8.21	ng	88
77) Pyrene	21.78	202	107102	13.96	ng	97
80) Benzo(a)anthracene	23.38	228	59945	9.09	ng	95
82) Chrysene	23.42	228	44716	7.56	ng	92
85) Indeno(1,2,3-cd)pyrene	25.89	276	16254	3.75	ng	# 72
87) Benzo(b)fluoranthene	24.49	252	72098	12.20	ng	# 87
88) Benzo(k)fluoranthene	24.49	252	72098	14.71	ng	# 88
89) Benzo(a)pyrene	24.78	252	39739	7.94	ng	# 87
91) Benzo(g,h,i)perylene	26.20	276	16962	4.59	ng	# 70

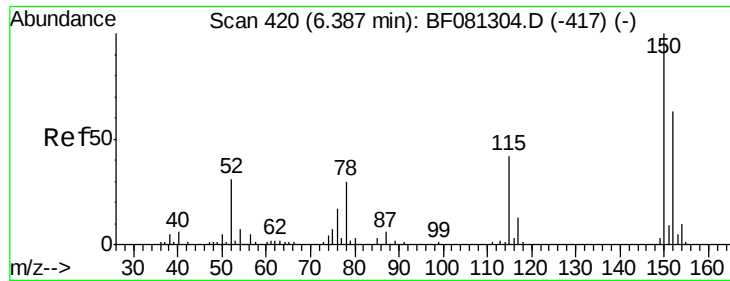
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF081613.D

Acq: 14 Sep 2015 18:14

Instrument :

BNA_F

ClientSampleId :

GP-7(0-5)

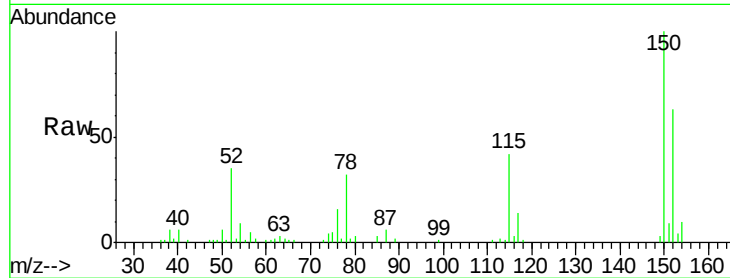
Tgt Ion:152 Resp: 56744

Ion Ratio Lower Upper

152 100

150 157.6 124.7 187.1

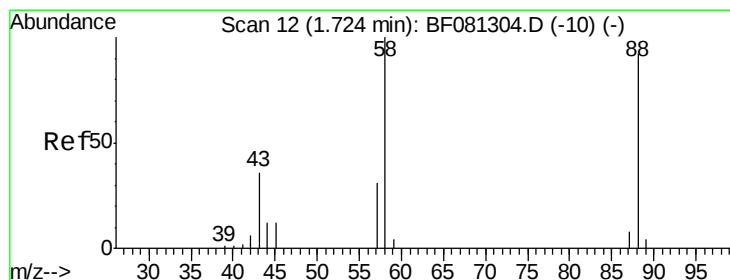
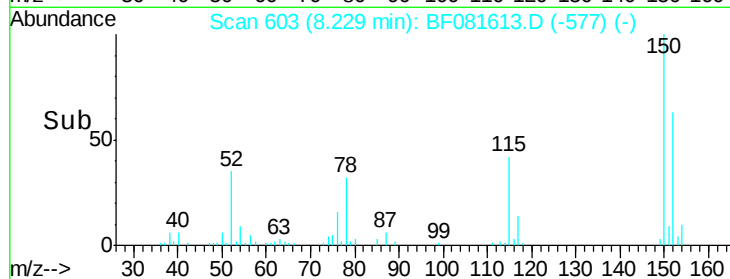
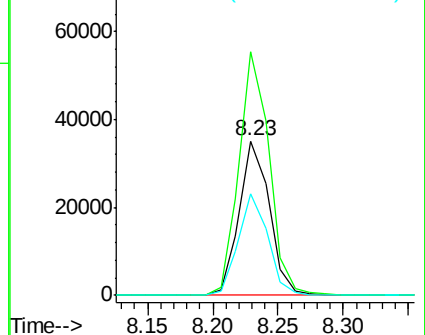
115 66.0 39.0 58.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 25.02 ng

RT: 1.54 min Scan# 18

Delta R.T. -0.02 min

Lab File: BF081613.D

Acq: 14 Sep 2015 18:14

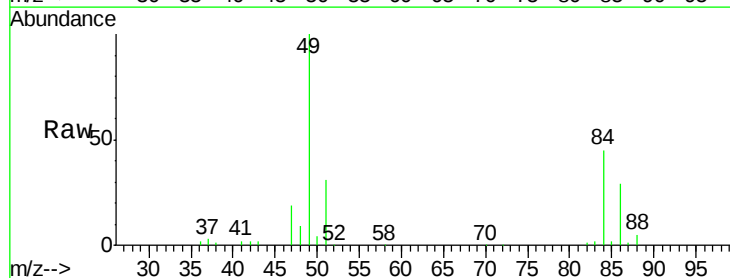
Tgt Ion: 88 Resp: 41095

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

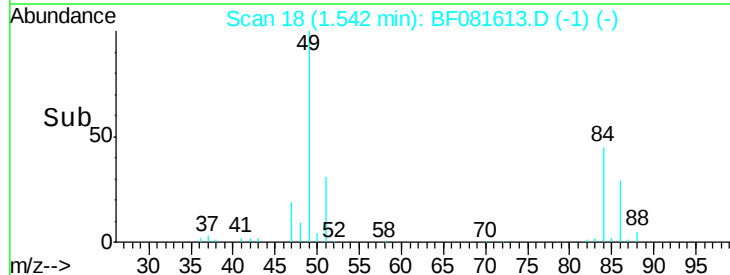
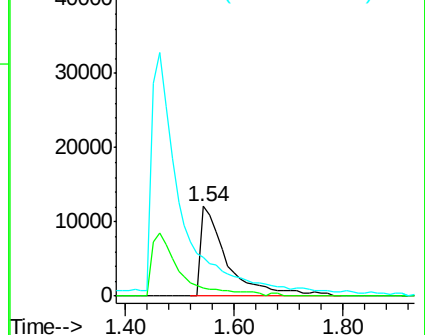
43 0.0 26.6 40.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

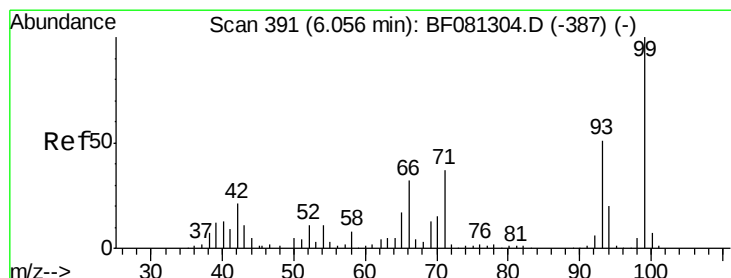
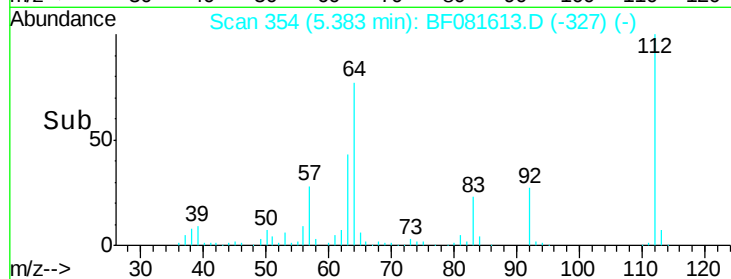
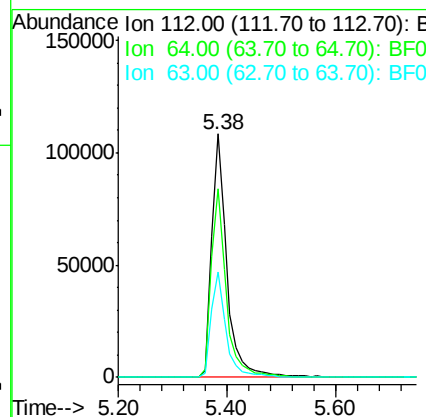
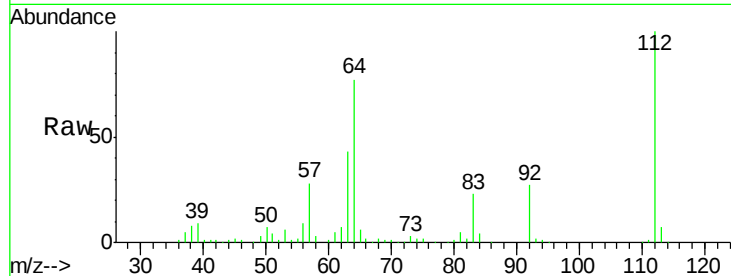




#5
 2-Fluorophenol
 Concen: 57.91 ng
 RT: 5.38 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: BF081613.D
 Acq: 14 Sep 2015 18:14

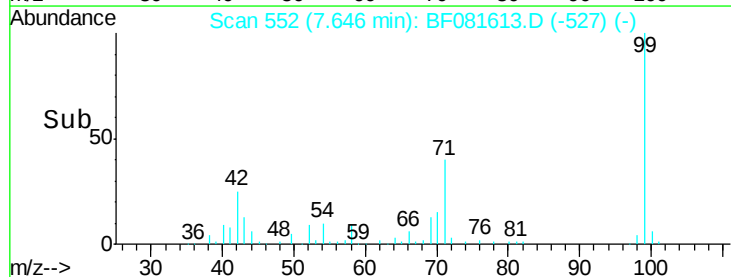
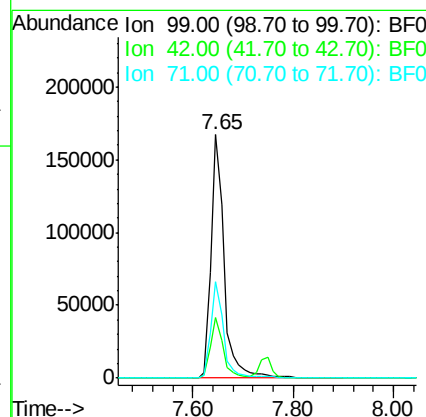
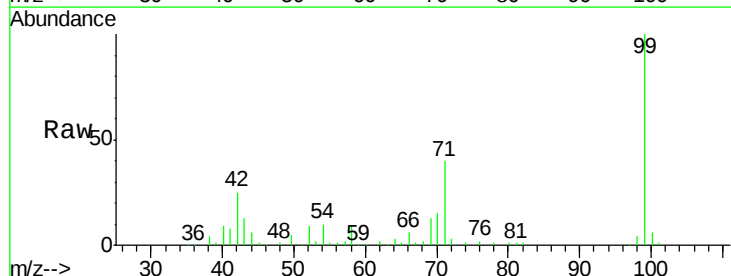
Instrument :
 BNA_F
 ClientSampleId :
 GP-7(0-5)

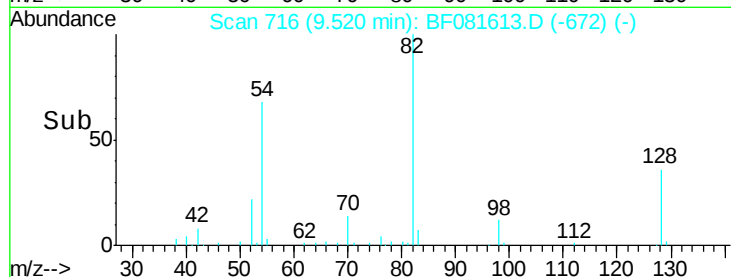
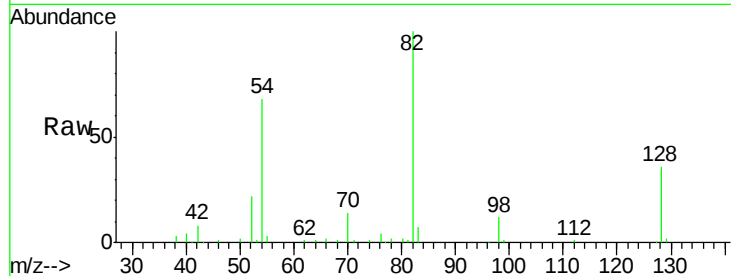
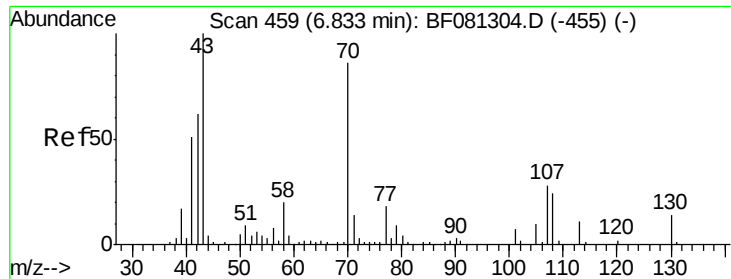
Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.3	39.7	59.5#
63	43.5	17.4	26.0#



#7
 Phenol-d6
 Concen: 62.80 ng
 RT: 7.65 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: BF081613.D
 Acq: 14 Sep 2015 18:14

Tgt Ion	Ratio	Lower	Upper
99	100		
42	25.1	13.7	20.5#
71	39.5	14.2	21.2#

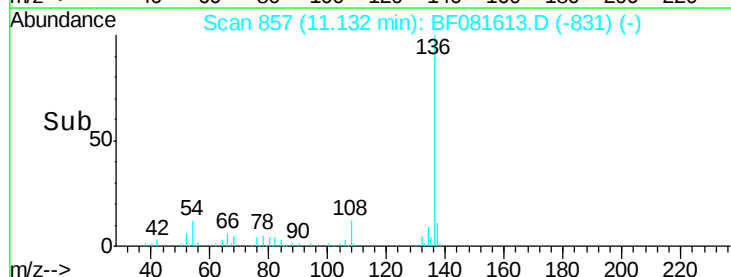
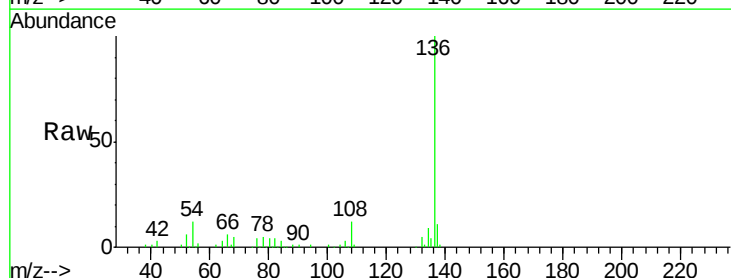
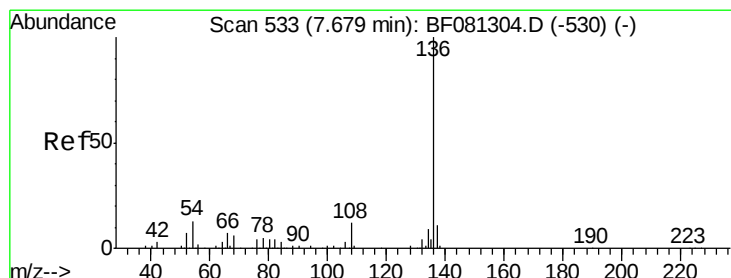
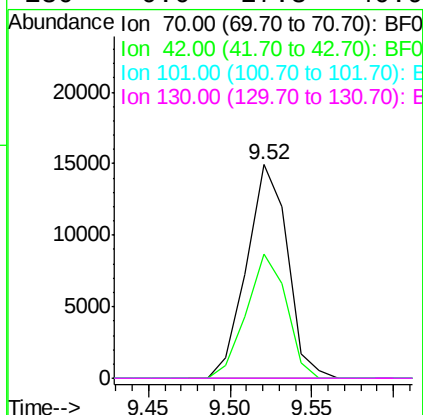




#19
n-Nitroso-di-n-propylamine
Concen: 7.86 ng
RT: 9.52 min Scan# 716
Delta R.T. 0.21 min
Lab File: BF081613.D
Acq: 14 Sep 2015 18:14

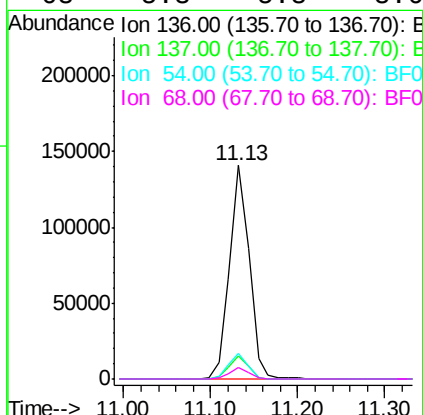
Instrument :
BNA_F
ClientSampleId :
GP-7(0-5)

Tgt Ion:	70	Resp:	25893
Ion	Ratio	Lower	Upper
70	100		
42	58.1	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: BF081613.D
Acq: 14 Sep 2015 18:14

Tgt Ion:	136	Resp:	222256
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	12.2	8.2	12.2
68	5.3	5.8	8.6#

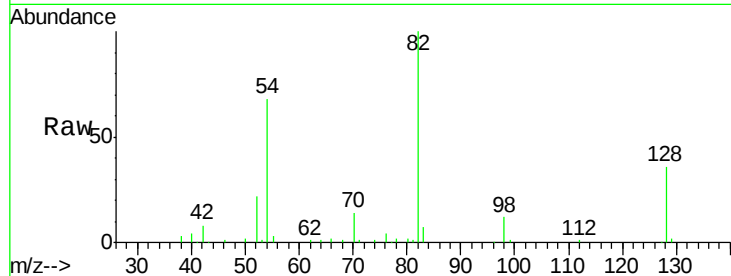




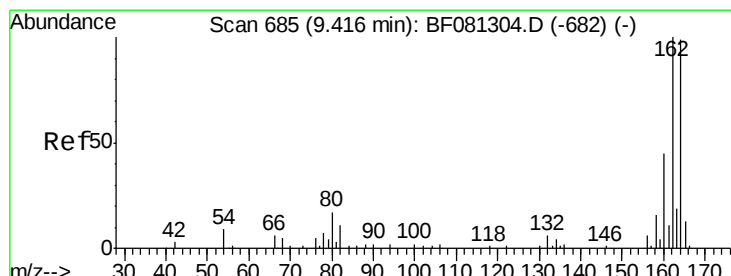
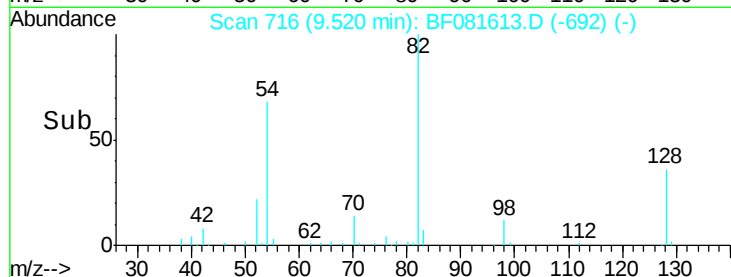
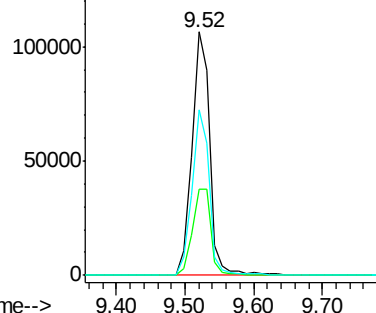
#23
 Nitrobenzene-d5
 Concen: 42.31 ng
 RT: 9.52 min Scan# 716
 Delta R.T. -0.02 min
 Lab File: BF081613.D
 Acq: 14 Sep 2015 18:14

Instrument :
 BNA_F
 ClientSampleId :
 GP-7(0-5)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.6	51.0	76.6#
54	68.2	47.5	71.3

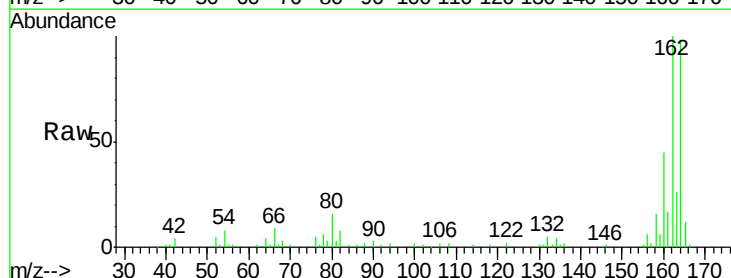


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

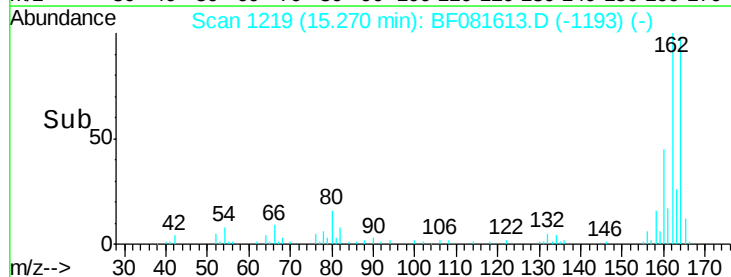
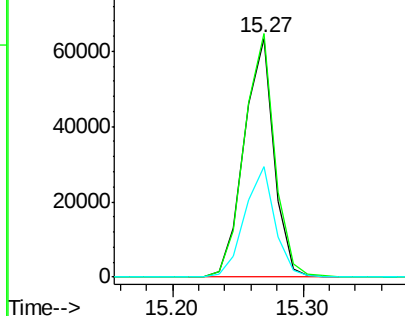


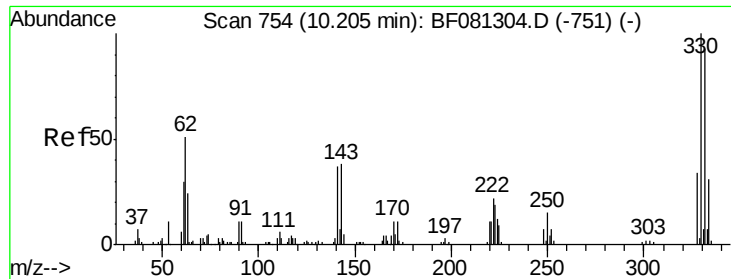
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.27 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: BF081613.D
 Acq: 14 Sep 2015 18:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	75.2	112.8
160	46.3	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

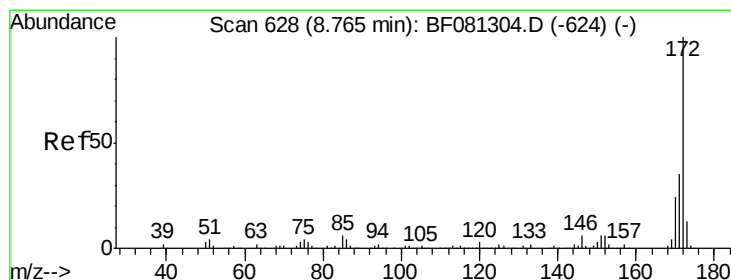
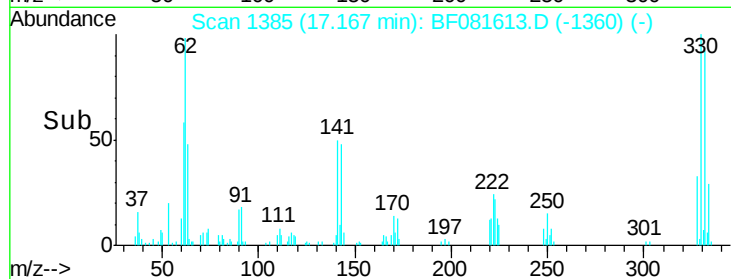
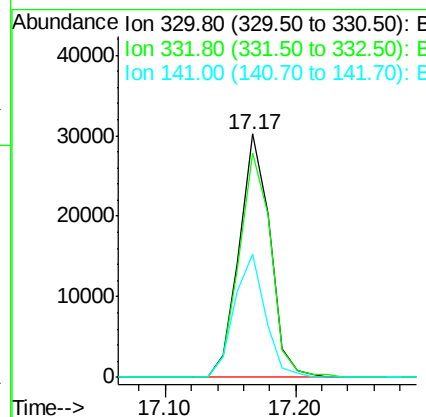
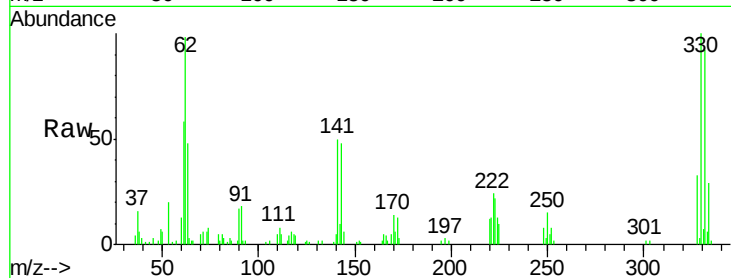




#41
 2,4,6-Tribromophenol
 Concen: 55.41 ng
 RT: 17.17 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BF081613.D
 Acq: 14 Sep 2015 18:14

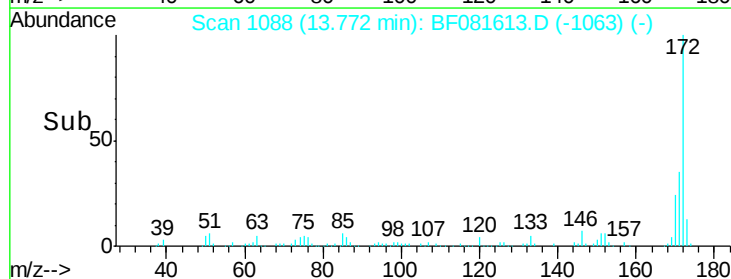
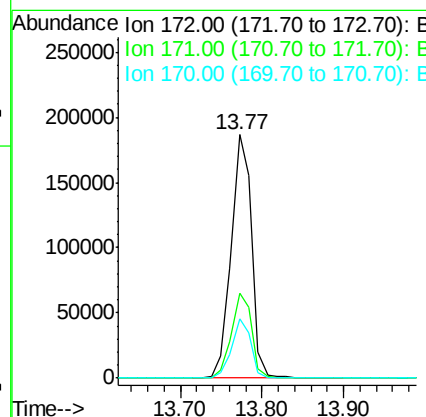
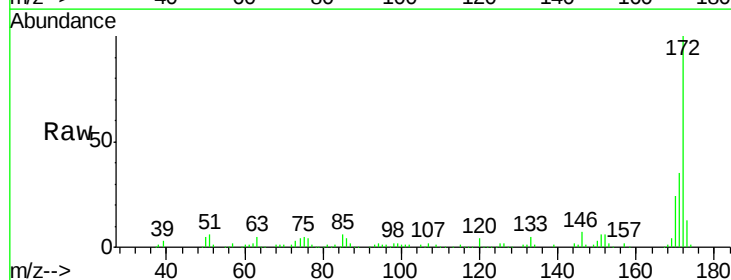
Instrument :
 BNA_F
 ClientSampleId :
 GP-7(0-5)

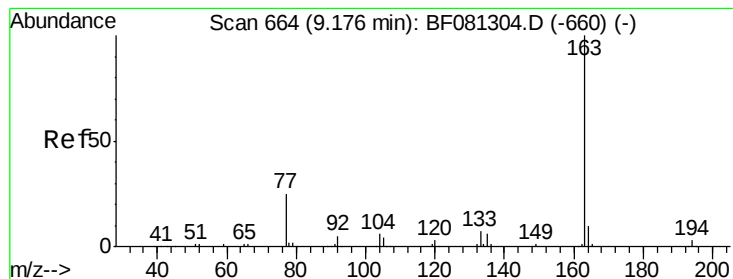
Tgt Ion:330 Resp: 49622
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.6 114.8
 141 50.5 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 41.10 ng
 RT: 13.77 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BF081613.D
 Acq: 14 Sep 2015 18:14

Tgt Ion:172 Resp: 322560
 Ion Ratio Lower Upper
 172 100
 171 34.8 26.1 39.1
 170 24.4 17.4 26.2





#49

Dimethylphthalate

Concen: 8.31 ng

RT: 14.82 min Scan# 1180

Delta R.T. -0.05 min

Lab File: BF081613.D

Acq: 14 Sep 2015 18:14

Instrument :

BNA_F

ClientSampleId :

GP-7(0-5)

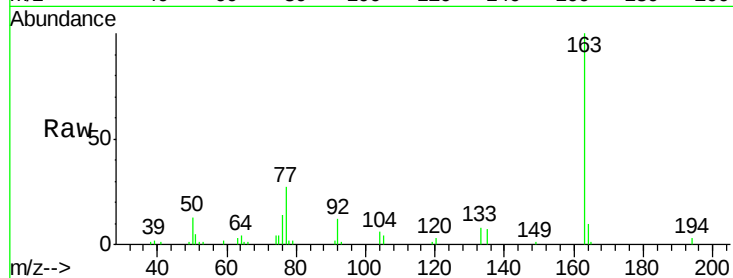
Tgt Ion:163 Resp: 64920

Ion Ratio Lower Upper

163 100

194 3.1 4.4 6.6#

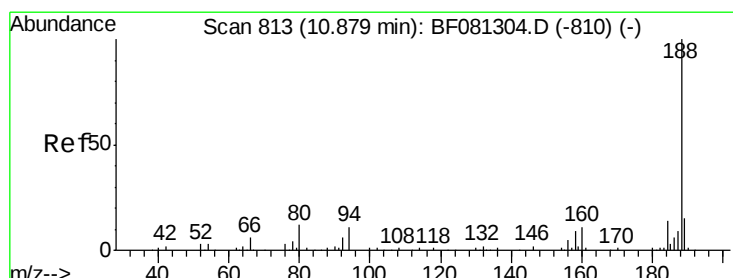
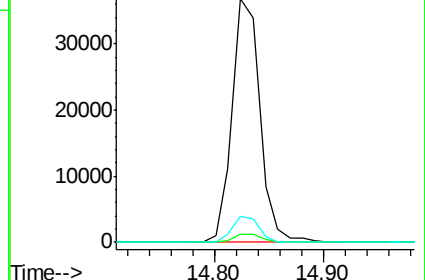
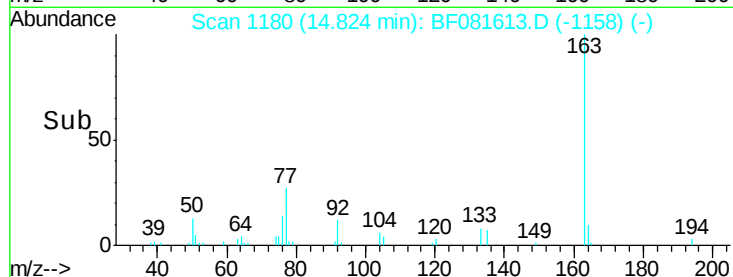
164 10.5 8.3 12.5



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: BF081613.D

Acq: 14 Sep 2015 18:14

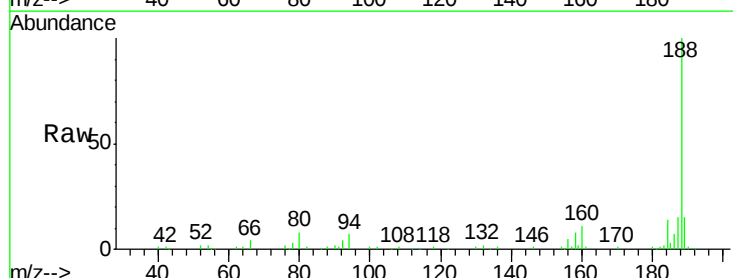
Tgt Ion:188 Resp: 174535

Ion Ratio Lower Upper

188 100

94 7.4 11.1 16.7#

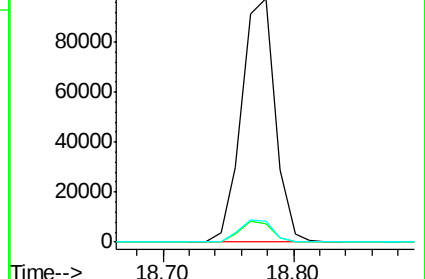
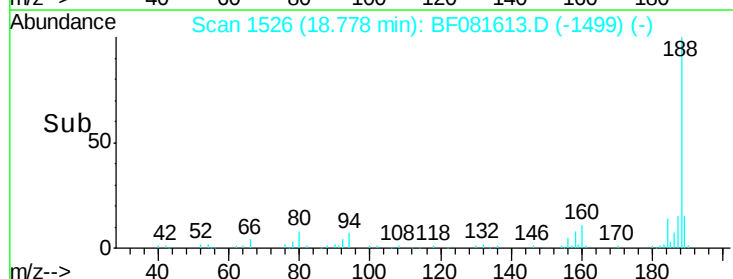
80 8.4 11.0 16.4#

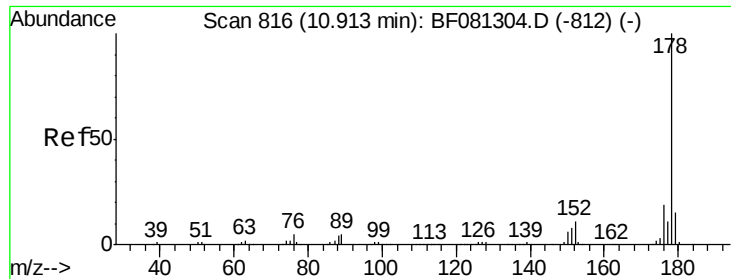


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

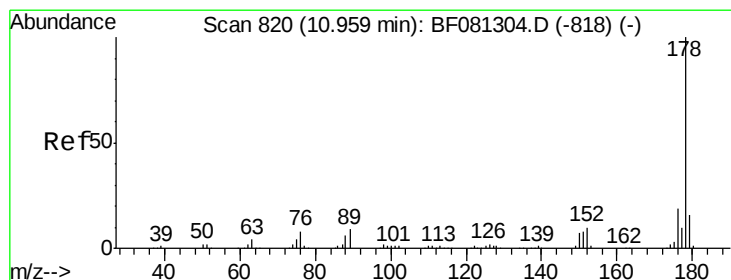
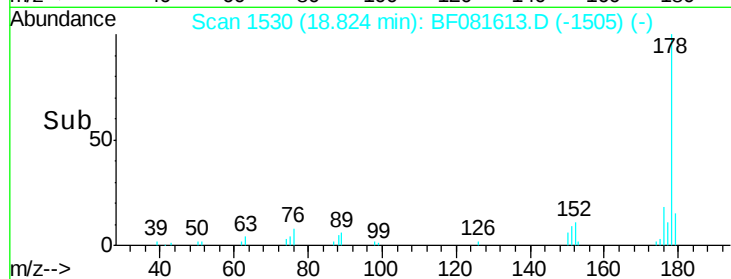
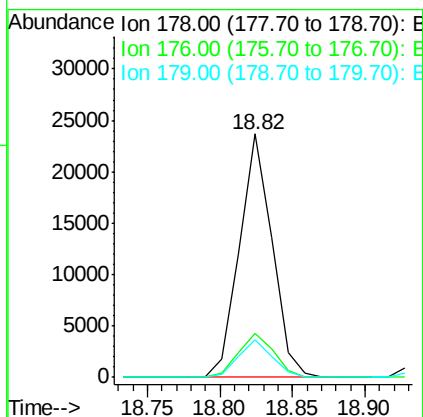
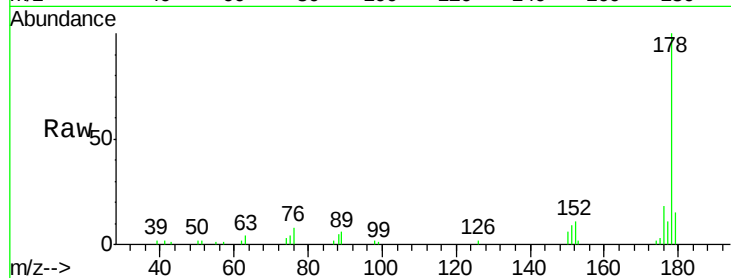




#70
Phenanthrene
Concen: 3.81 ng
RT: 18.82 min Scan# 1530
Delta R.T. -0.01 min
Lab File: BF081613.D
Acq: 14 Sep 2015 18:14

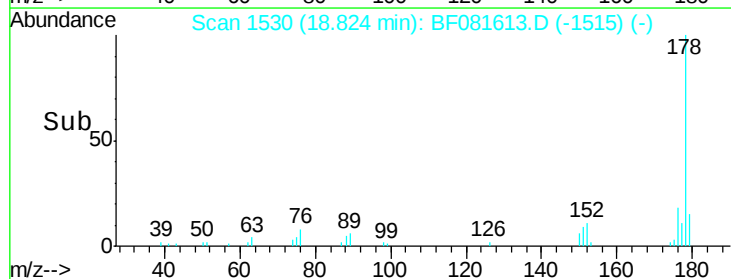
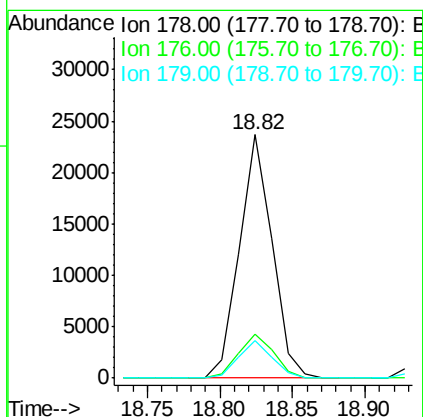
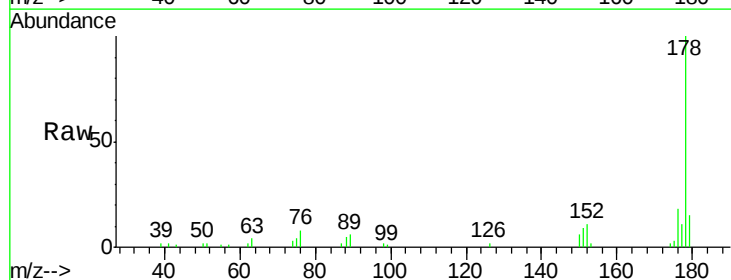
Instrument :
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GP-7(0-5)

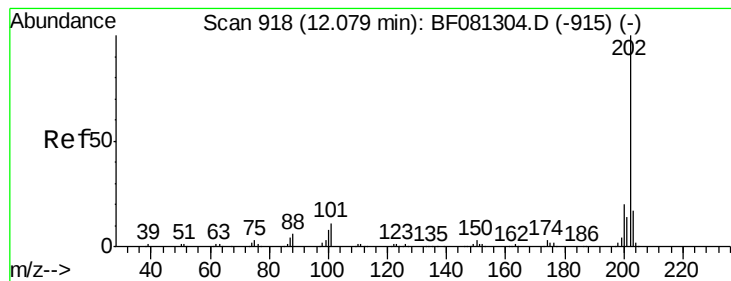
Tgt Ion:178 Resp: 36990
Ion Ratio Lower Upper
178 100
176 18.1 13.8 20.8
179 15.4 12.2 18.2



#71
Anthracene
Concen: 3.71 ng
RT: 18.82 min Scan# 1530
Delta R.T. -0.13 min
Lab File: BF081613.D
Acq: 14 Sep 2015 18:14

Tgt Ion:178 Resp: 36990
Ion Ratio Lower Upper
178 100
176 18.1 14.1 21.1
179 15.4 12.2 18.2





#74

Fluoranthene

Concen: 8.21 ng

RT: 21.44 min Scan# 1759

Delta R.T. -0.00 min

Lab File: BF081613.D

Acq: 14 Sep 2015 18:14

Instrument :

BNA_F

ClientSampleId :

GP-7(0-5)

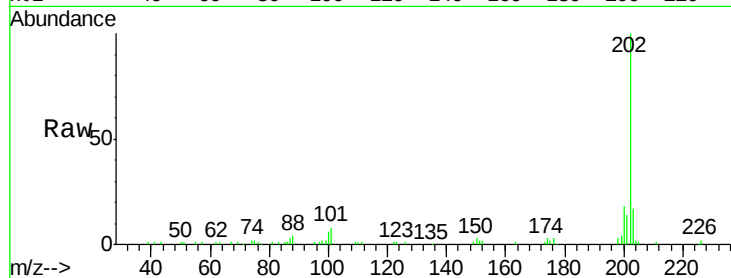
Tgt Ion:202 Resp: 86211

Ion Ratio Lower Upper

202 100

101 8.0 0.0 38.3

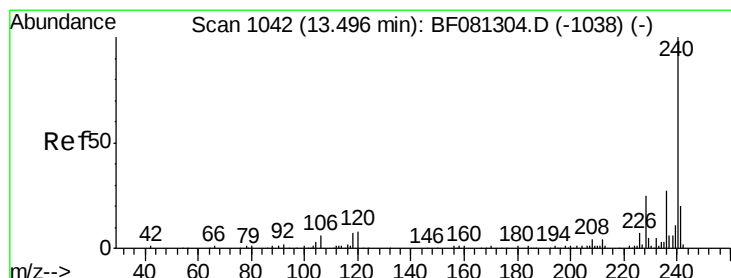
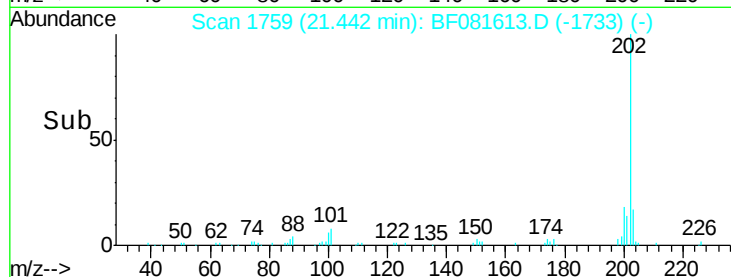
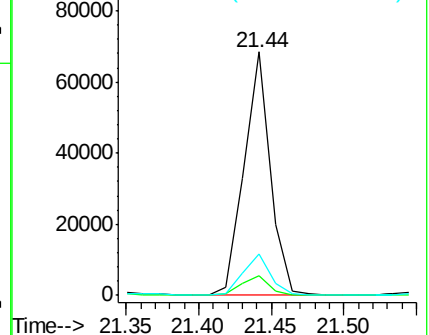
203 17.2 0.0 37.3



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: BF081613.D

Acq: 14 Sep 2015 18:14

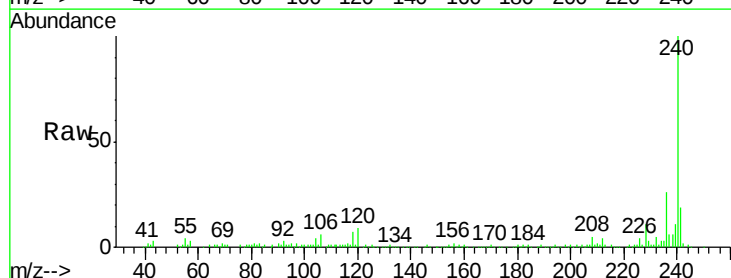
Tgt Ion:240 Resp: 103606

Ion Ratio Lower Upper

240 100

120 8.8 16.2 24.2#

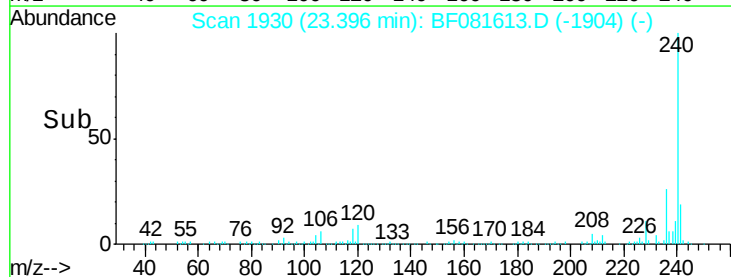
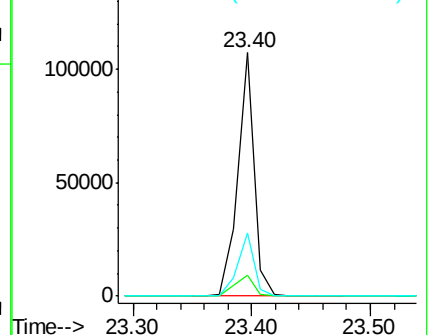
236 25.9 18.4 27.6

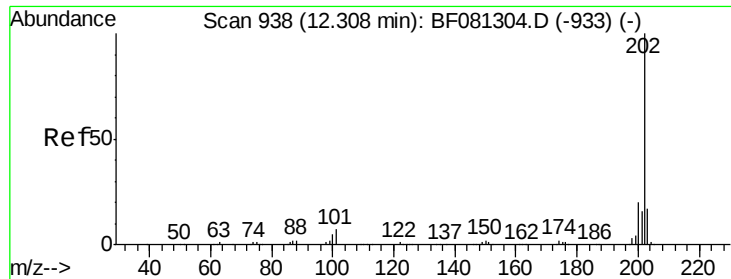


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 13.96 ng

RT: 21.78 min Scan# 1789

Delta R.T. -0.00 min

Lab File: BF081613.D

Acq: 14 Sep 2015 18:14

Instrument :

BNA_F

ClientSampleId :

GP-7(0-5)

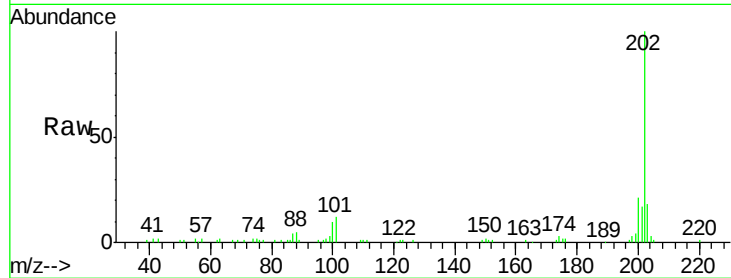
Tgt Ion: 202 Resp: 107102

Ion Ratio Lower Upper

202 100

200 20.9 15.0 22.4

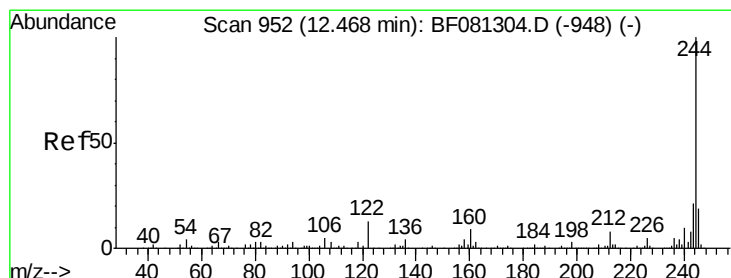
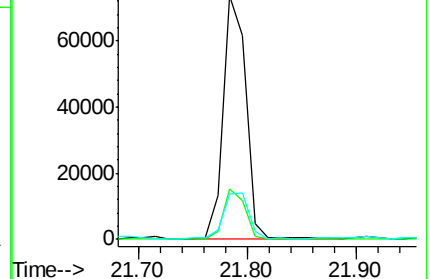
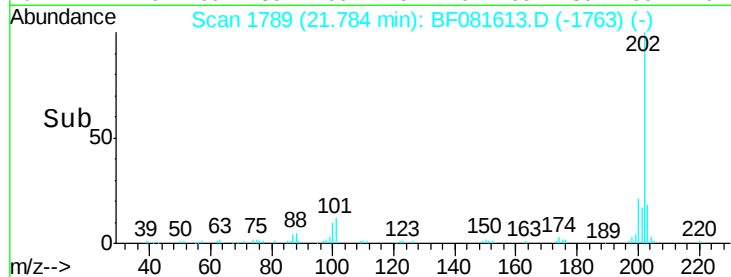
203 18.4 14.1 21.1



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: 41.85 ng

RT: 22.12 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF081613.D

Acq: 14 Sep 2015 18:14

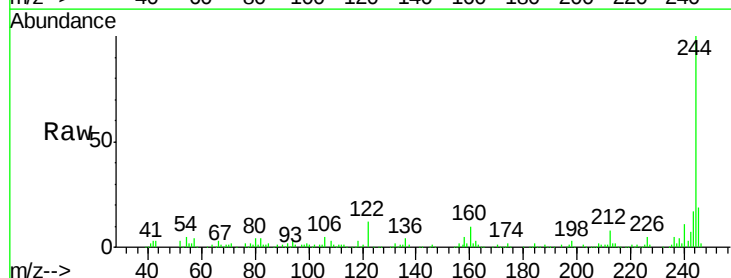
Tgt Ion: 244 Resp: 186274

Ion Ratio Lower Upper

244 100

212 8.4 4.3 6.5#

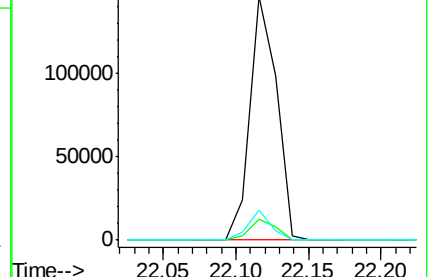
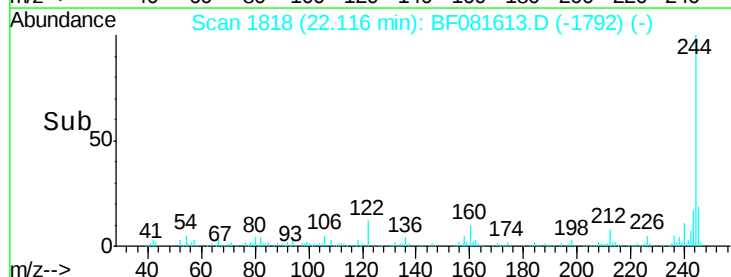
122 12.1 17.4 26.2#

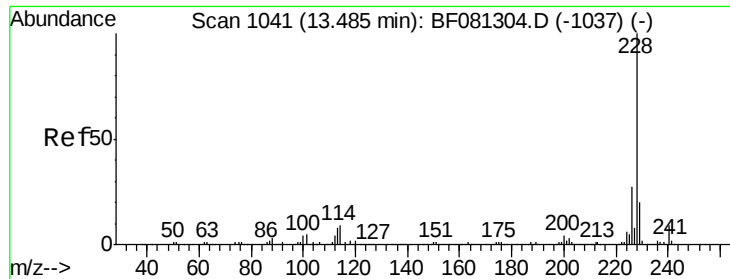


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 9.09 ng

RT: 23.38 min Scan# 1929

Delta R.T. 0.01 min

Lab File: BF081613.D

Acq: 14 Sep 2015 18:14

Instrument :

BNA_F

ClientSampleId :

GP-7(0-5)

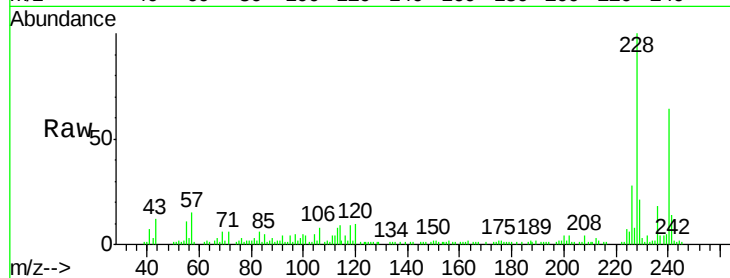
Tgt Ion:228 Resp: 59945

Ion Ratio Lower Upper

228 100

226 27.7 20.0 30.0

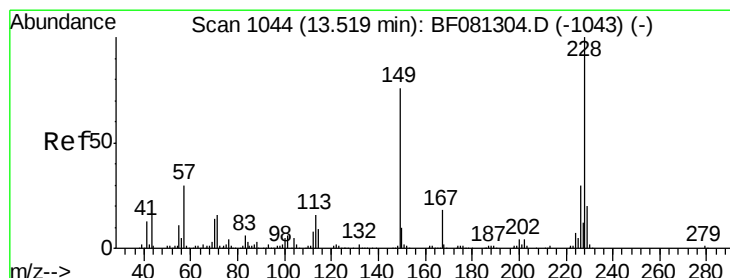
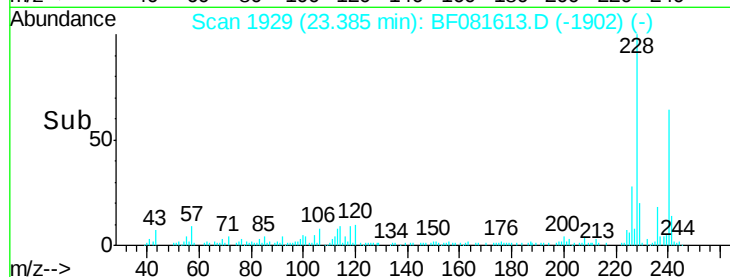
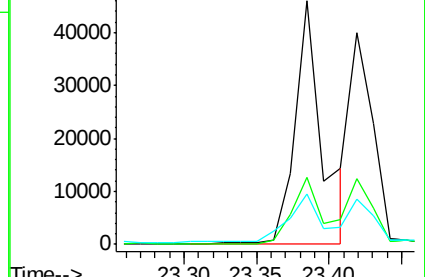
229 20.9 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 7.56 ng

RT: 23.42 min Scan# 1932

Delta R.T. -0.00 min

Lab File: BF081613.D

Acq: 14 Sep 2015 18:14

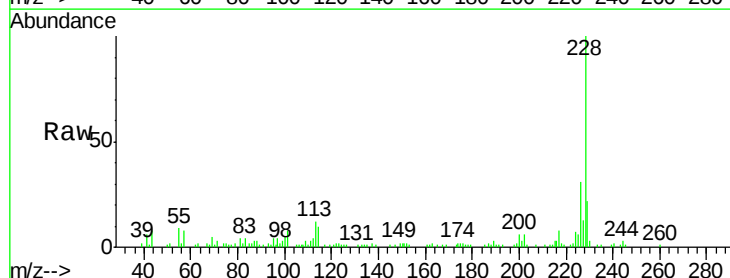
Tgt Ion:228 Resp: 44716

Ion Ratio Lower Upper

228 100

226 31.3 21.0 31.4

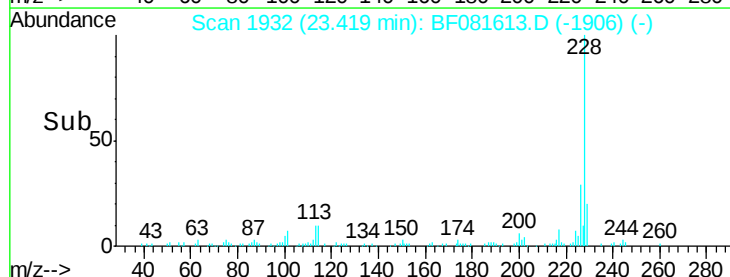
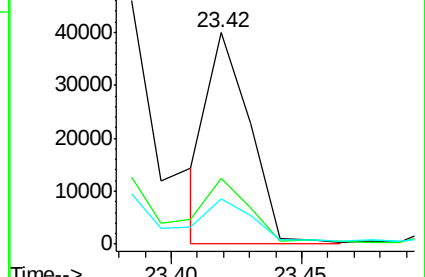
229 21.7 15.6 23.4

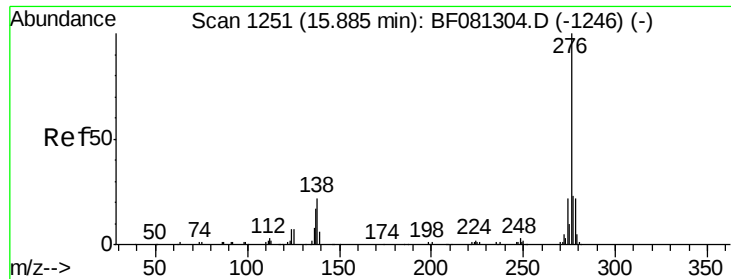


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

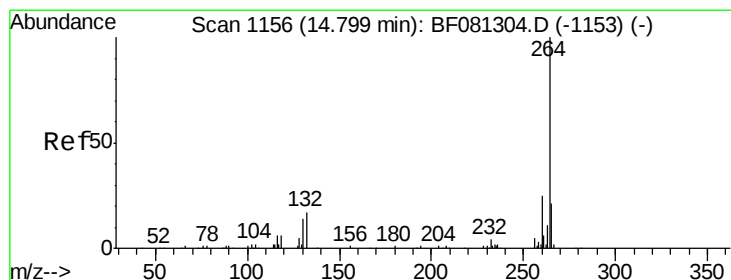
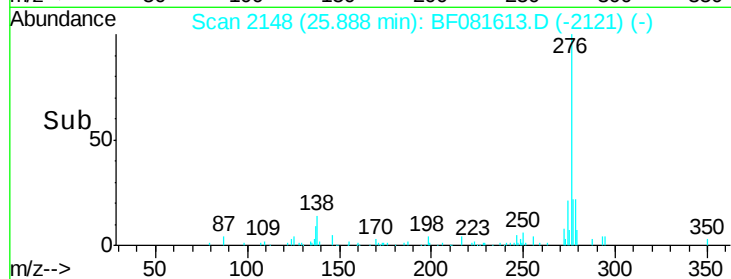
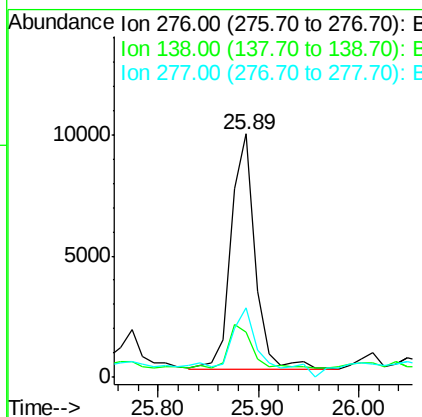
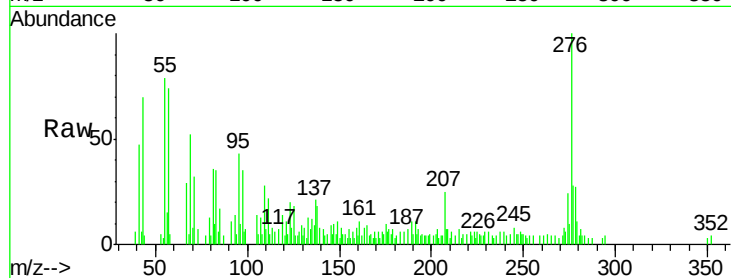




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.75 ng
 RT: 25.89 min Scan# 2148
 Delta R.T. 0.01 min
 Lab File: BF081613.D
 Acq: 14 Sep 2015 18:14

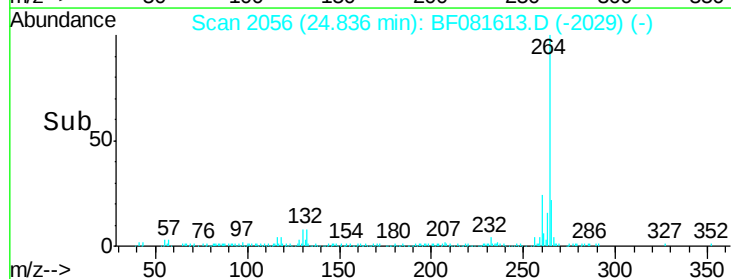
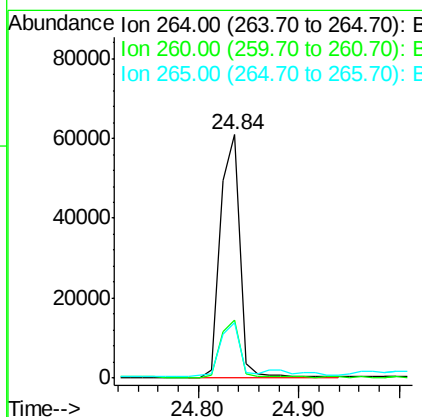
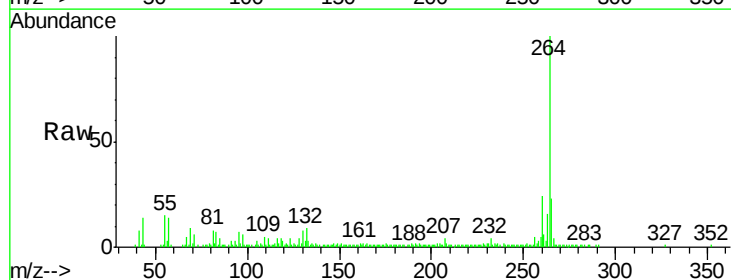
Instrument :
 BNA_F
 ClientSampleId :
 GP-7(0-5)

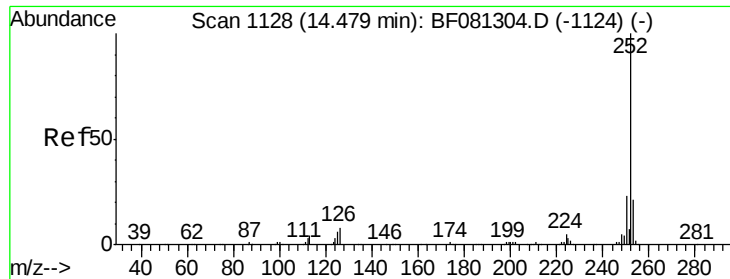
Tgt Ion: 276 Resp: 16254
 Ion Ratio Lower Upper
 276 100
 138 19.0 25.7 38.5#
 277 35.7 15.6 23.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.84 min Scan# 2056
 Delta R.T. 0.01 min
 Lab File: BF081613.D
 Acq: 14 Sep 2015 18:14

Tgt Ion: 264 Resp: 82748
 Ion Ratio Lower Upper
 264 100
 260 23.7 16.7 25.1
 265 22.6 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 12.20 ng

RT: 24.49 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF081613.D

Acq: 14 Sep 2015 18:14

Instrument :

BNA_F

ClientSampleId :

GP-7(0-5)

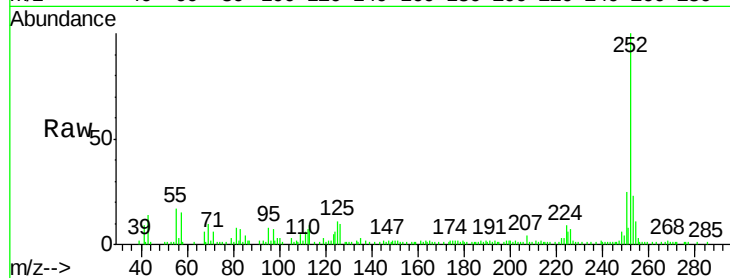
Tgt Ion:252 Resp: 72098

Ion Ratio Lower Upper

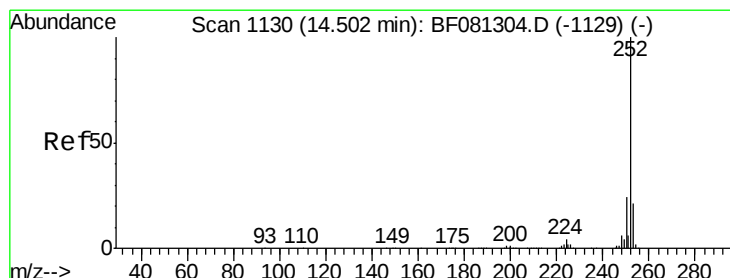
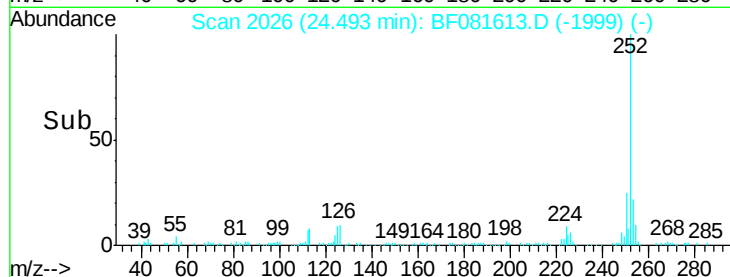
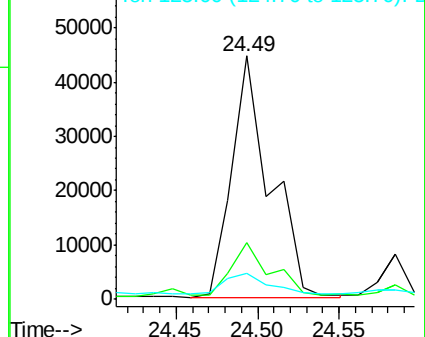
252 100

253 23.4 17.5 26.3

125 10.8 17.1 25.7#



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



#88

Benzo(k)fluoranthene

Concen: 14.71 ng

RT: 24.49 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF081613.D

Acq: 14 Sep 2015 18:14

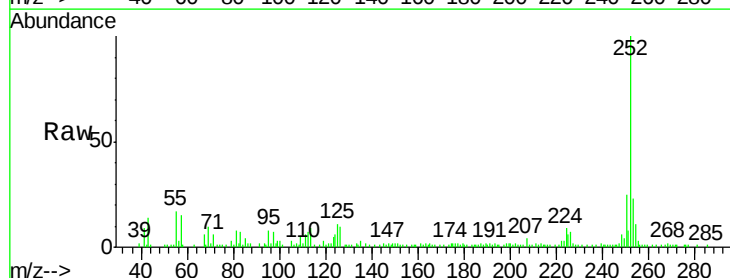
Tgt Ion:252 Resp: 72098

Ion Ratio Lower Upper

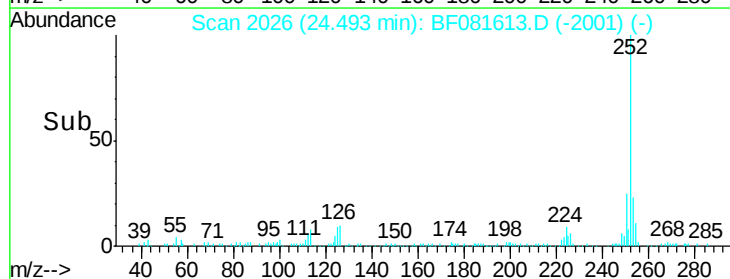
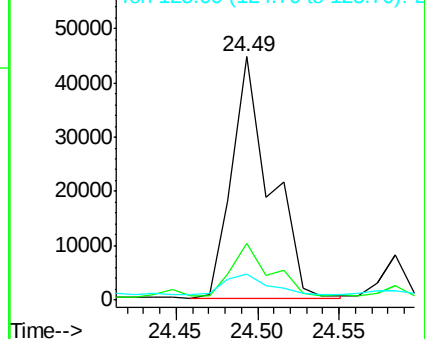
252 100

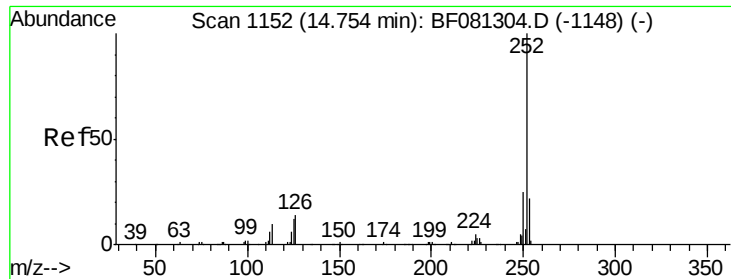
253 23.4 17.0 25.4

125 10.8 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: 7.94 ng

RT: 24.78 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BF081613.D

Acq: 14 Sep 2015 18:14

Instrument :

BNA_F

ClientSampleId :

GP-7(0-5)

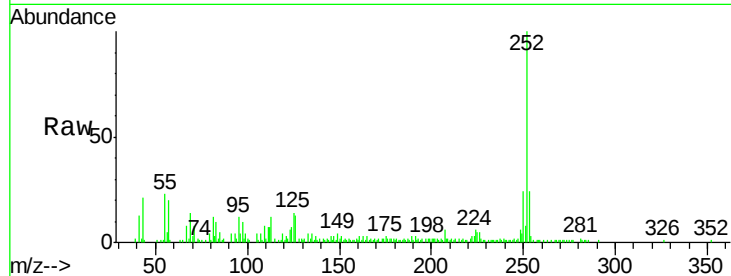
Tgt Ion:252 Resp: 39739

Ion Ratio Lower Upper

252 100

253 24.5 17.2 25.8

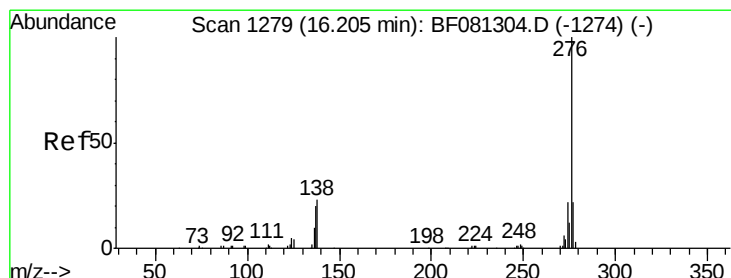
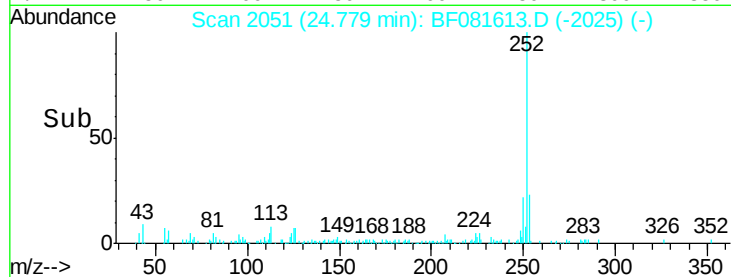
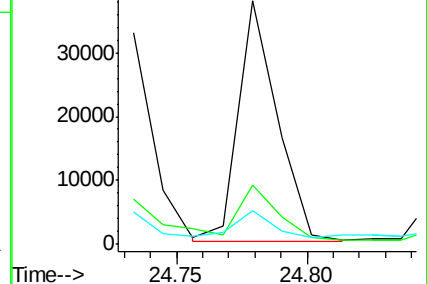
125 13.6 18.0 27.0#



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: 4.59 ng

RT: 26.20 min Scan# 2175

Delta R.T. 0.01 min

Lab File: BF081613.D

Acq: 14 Sep 2015 18:14

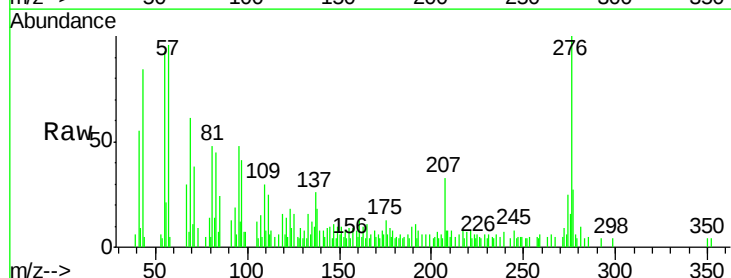
Tgt Ion:276 Resp: 16962

Ion Ratio Lower Upper

276 100

277 26.8 17.8 26.6#

138 17.8 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

