

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091415\
 Data File : BF081622.D
 Acq On : 15 Sep 2015 2:08
 Operator : UM/IZ
 Sample : G3597-14 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-14(0-5)

Quant Time: Sep 15 04:06:24 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	46978	20.00	ng	0.00
21) Naphthalene-d8	11.13	136	186355	20.00	ng	0.00
38) Acenaphthene-d10	15.27	164	82463	20.00	ng	0.00
63) Phenanthrene-d10	18.78	188	142836	20.00	ng	0.01
75) Chrysene-d12	23.40	240	98913	20.00	ng	0.00
86) Perylene-d12	24.82	264	63811	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	54456	17.98	ng	0.01
7) Phenol-d6	7.66	99	77643	19.37	ng	0.00
23) Nitrobenzene-d5	9.52	82	50929	13.19	ng	-0.02
41) 2,4,6-Tribromophenol	17.17	330	10954	14.92	ng	-0.01
44) 2-Fluorobiphenyl	13.77	172	91663	14.24	ng	-0.01
78) Terphenyl-d14	22.12	244	56653	13.33	ng	0.00

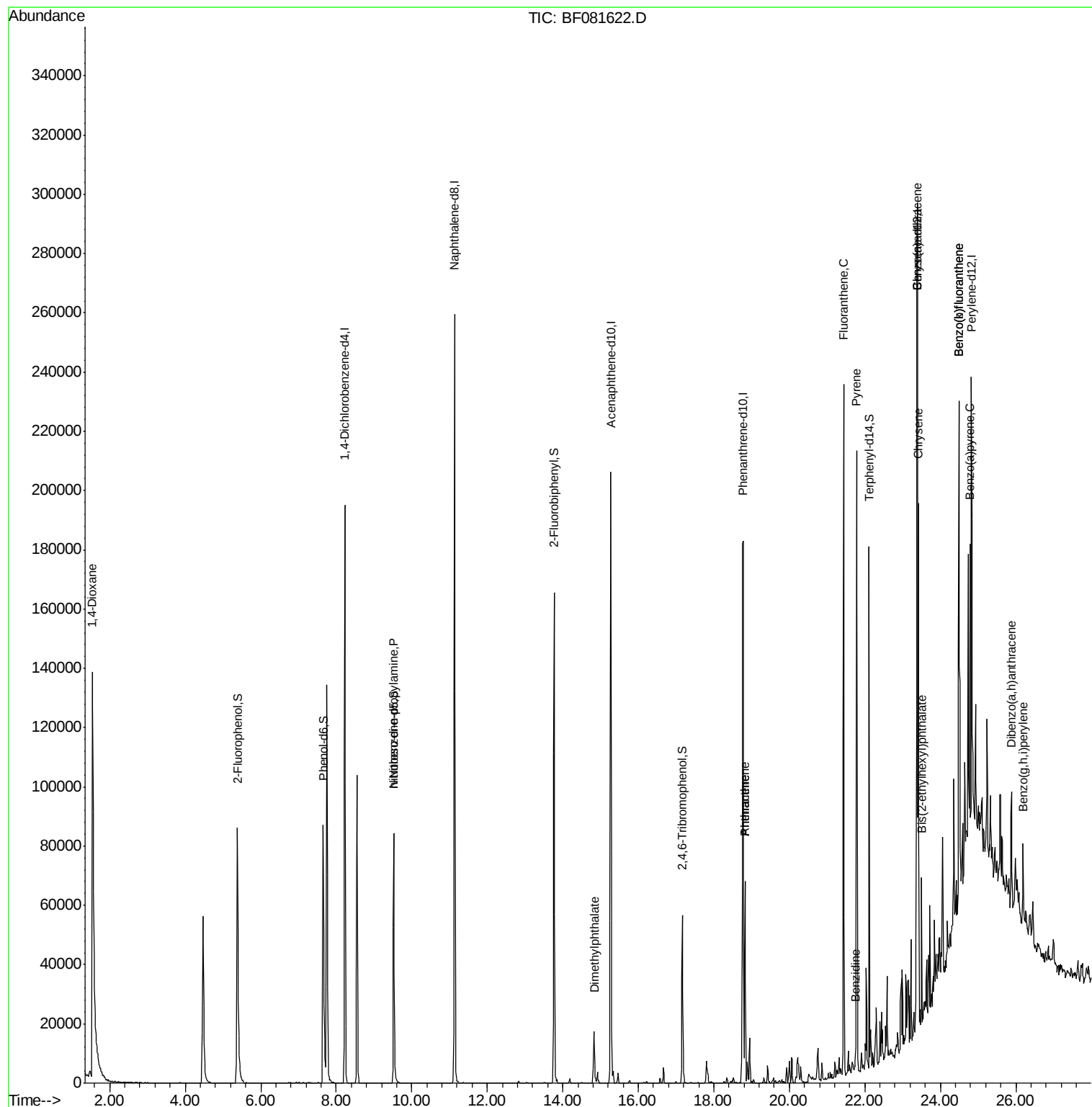
Target Compounds						Qvalue
2) 1,4-Dioxane	1.54	88	6964	5.12	ng	# 11
19) n-Nitroso-di-n-propylamine	9.52	70	5951	2.18	ng	# 67
49) Dimethylphthalate	14.84	163	18556	2.90	ng	# 98
70) Phenanthrene	18.82	178	45980	5.79	ng	97
71) Anthracene	18.82	178	45980	5.64	ng	97
74) Fluoranthene	21.44	202	130961	15.23	ng	88
76) Benzidine	21.76	184	15154	3.57	ng	# 95
77) Pyrene	21.78	202	121125	16.53	ng	99
80) Benzo(a)anthracene	23.38	228	56821	9.02	ng	96
82) Chrysene	23.42	228	69051	12.23	ng	95
83) Bis(2-ethylhexyl)phthalate	23.50	149	8770	2.09	ng	# 89
87) Benzo(b)fluoranthene	24.49	252	102561	22.51	ng	# 87
88) Benzo(k)fluoranthene	24.49	252	102561	27.13	ng	# 88
89) Benzo(a)pyrene	24.78	252	41049	10.63	ng	# 88
90) Dibenzo(a,h)anthracene	25.89	278	6541	2.19	ng	# 80
91) Benzo(g,h,i)perylene	26.20	276	18713	6.57	ng	# 78

(#) = 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: BF081622.D

Acq: 15 Sep 2015 2:08

Instrument :

BNA_F

ClientSampleId :

GP-14(0-5)

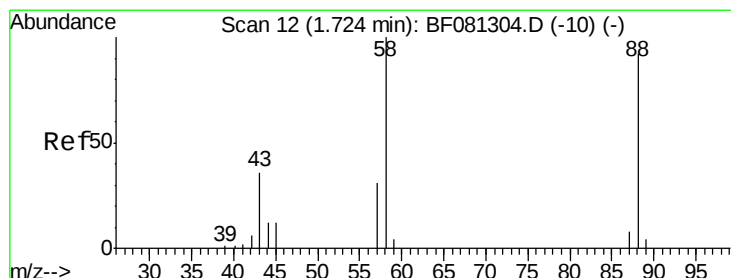
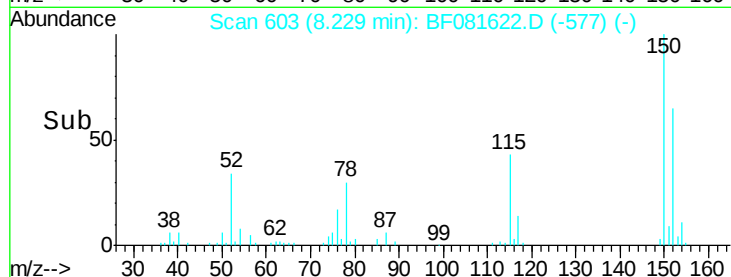
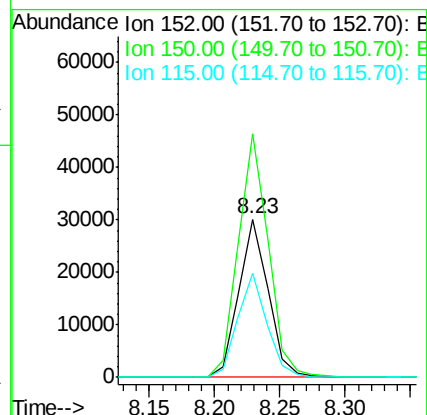
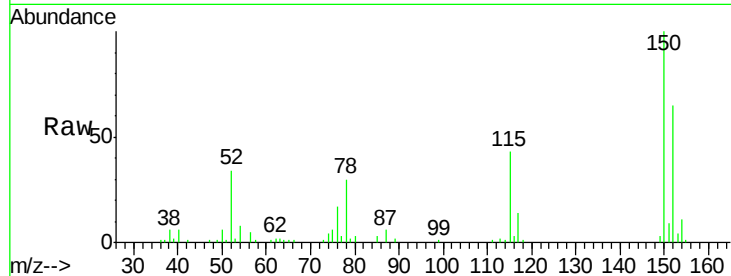
Tgt Ion:152 Resp: 46978

Ion Ratio Lower Upper

152 100

150 153.9 124.7 187.1

115 66.0 39.0 58.4#



#2

1,4-Dioxane

Concen: 5.12 ng

RT: 1.54 min Scan# 18

Delta R.T. -0.02 min

Lab File: BF081622.D

Acq: 15 Sep 2015 2:08

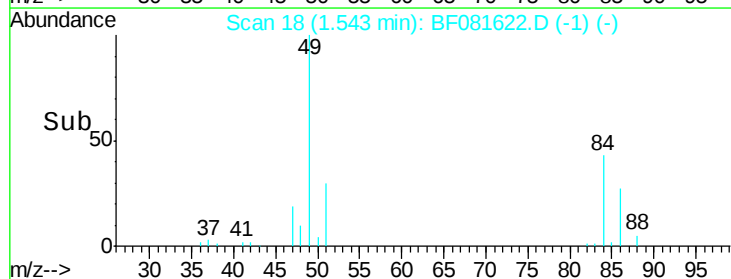
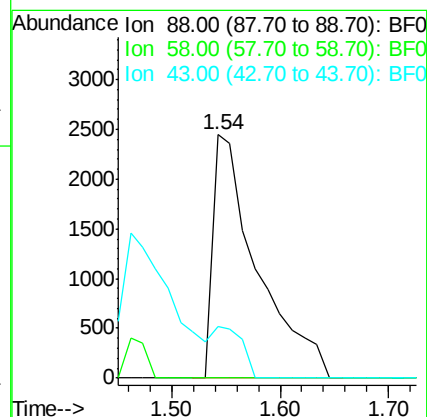
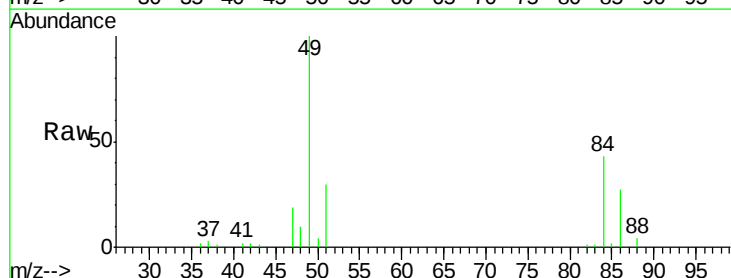
Tgt Ion: 88 Resp: 6964

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

43 0.0 26.6 40.0#





#5

2-Fluorophenol

Concen: 17.98 ng

RT: 5.38 min Scan# 354

Delta R.T. 0.01 min

Lab File: BF081622.D

Acq: 15 Sep 2015 2:08

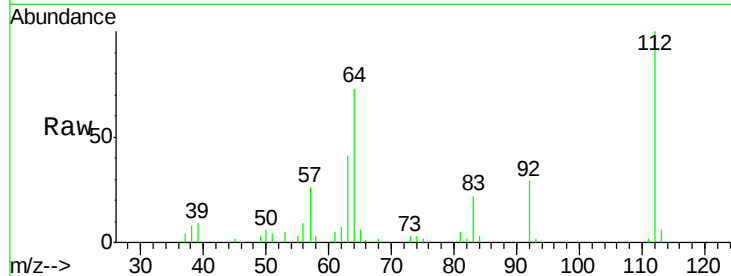
Instrument :

BNA_F

ClientSampleId :

GP-14(0-5)

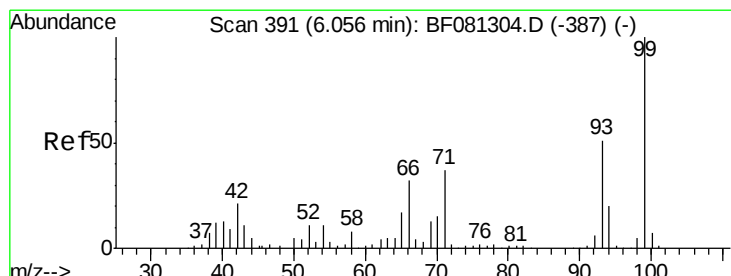
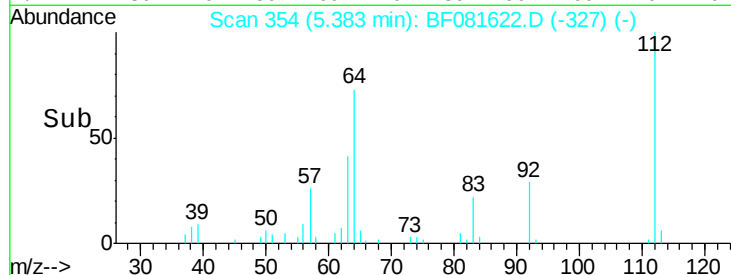
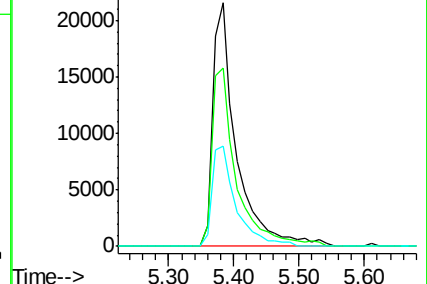
Tgt Ion:	112	Resp:	54456
Ion Ratio	Lower	Upper	
112	100		
64	73.3	39.7	59.5#
63	41.3	17.4	26.0#



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: 19.37 ng

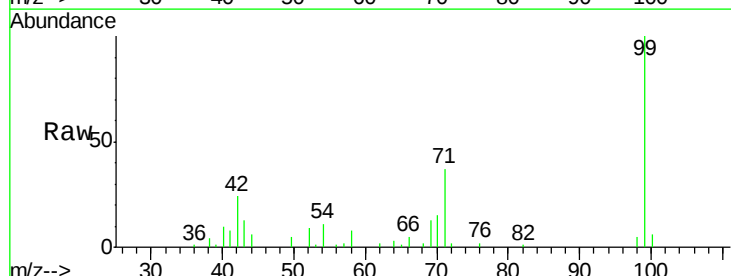
RT: 7.66 min Scan# 553

Delta R.T. -0.00 min

Lab File: BF081622.D

Acq: 15 Sep 2015 2:08

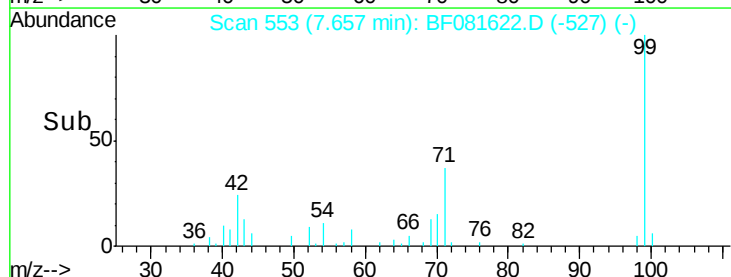
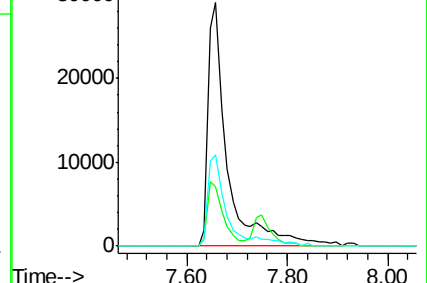
Tgt Ion:	99	Resp:	77643
Ion Ratio	Lower	Upper	
99	100		
42	24.5	13.7	20.5#
71	37.3	14.2	21.2#

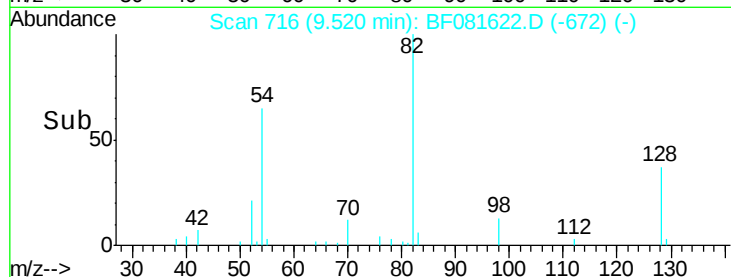
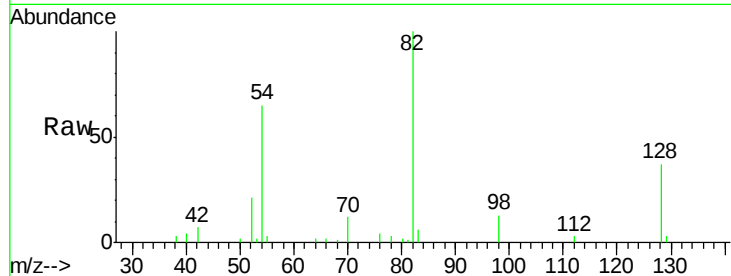
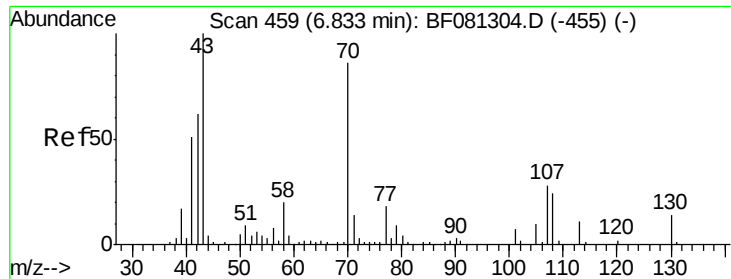


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

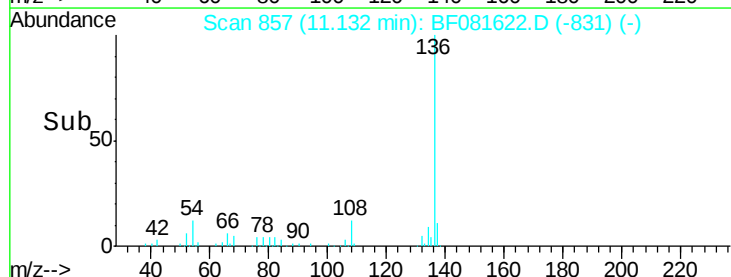
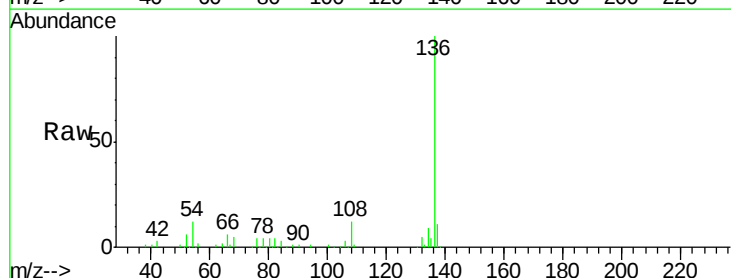
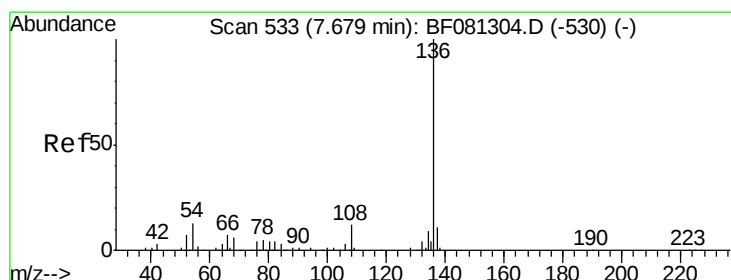
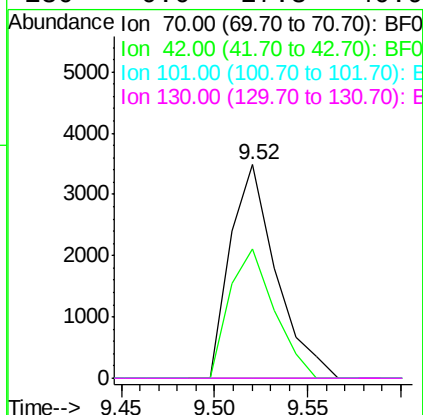




#19
n-Nitroso-di-n-propylamine
Concen: 2.18 ng
RT: 9.52 min Scan# 716
Delta R.T. 0.21 min
Lab File: BF081622.D
Acq: 15 Sep 2015 2:08

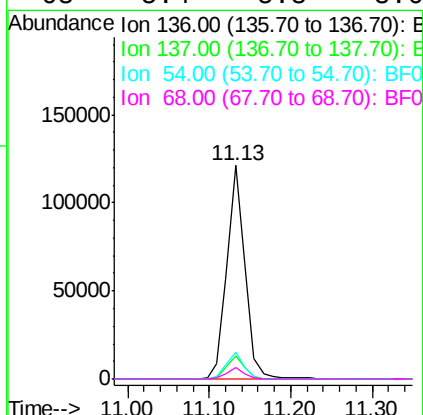
Instrument :
BNA_F
ClientSampleId :
GP-14(0-5)

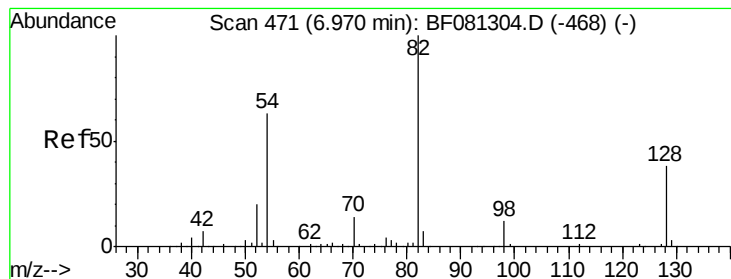
Tgt Ion:	70	Resp:	5951
Ion	Ratio	Lower	Upper
70	100		
42	60.3	63.8	95.6#
101	0.0	9.2	13.8#
130	0.0	27.3	40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.13 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF081622.D
Acq: 15 Sep 2015 2:08

Tgt Ion:	136	Resp:	186355
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	12.3	8.2	12.2#
68	5.4	5.8	8.6#





#23

Nitrobenzene-d5

Concen: 13.19 ng

RT: 9.52 min Scan# 716

Delta R.T. -0.02 min

Lab File: BF081622.D

Acq: 15 Sep 2015 2:08

Instrument :

BNA_F

ClientSampleId :

GP-14(0-5)

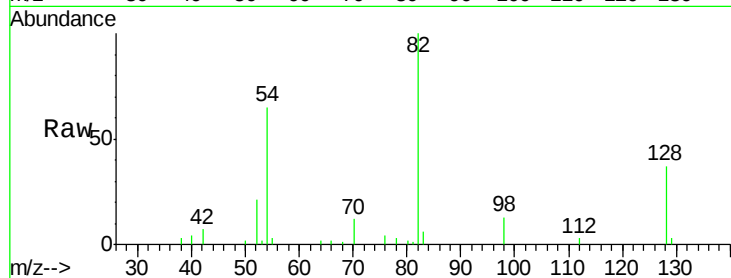
Tgt Ion: 82 Resp: 50929

Ion Ratio Lower Upper

82 100

128 36.8 51.0 76.6#

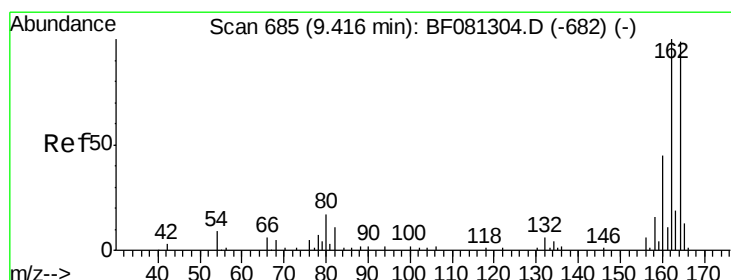
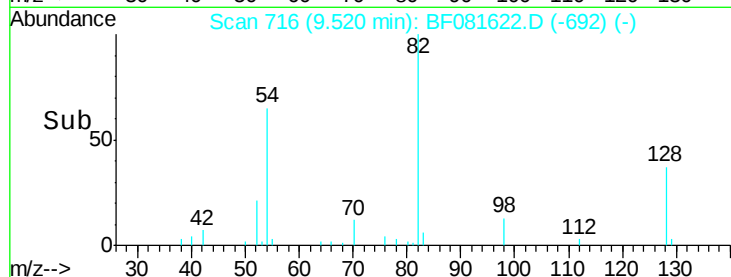
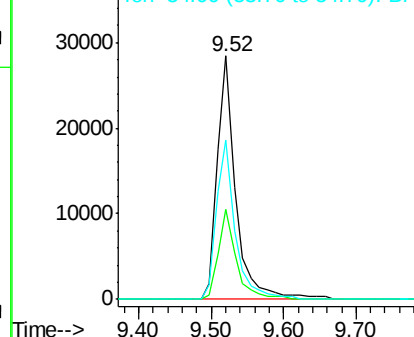
54 65.5 47.5 71.3



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: BF081622.D

Acq: 15 Sep 2015 2:08

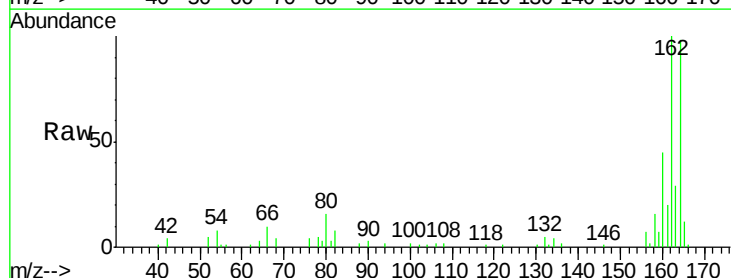
Tgt Ion: 164 Resp: 82463

Ion Ratio Lower Upper

164 100

162 101.8 75.2 112.8

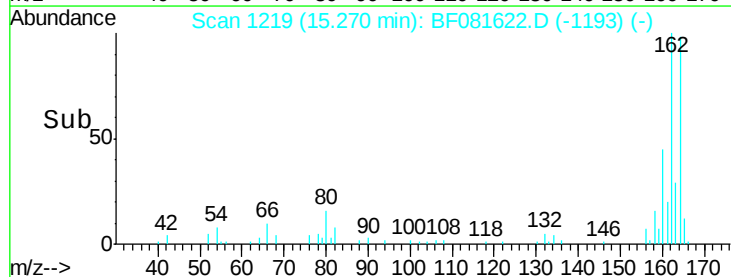
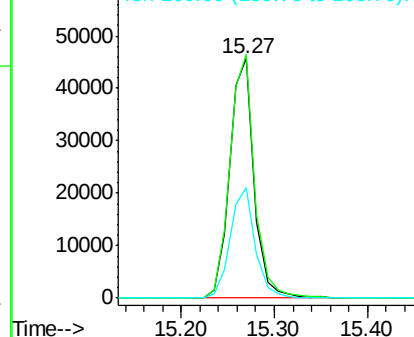
160 46.2 31.5 47.3



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

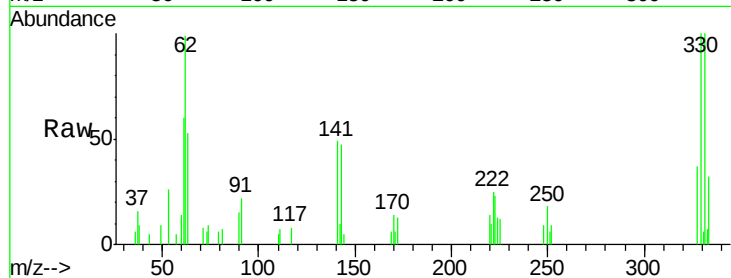




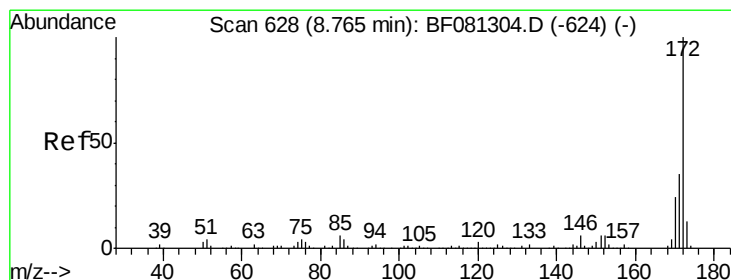
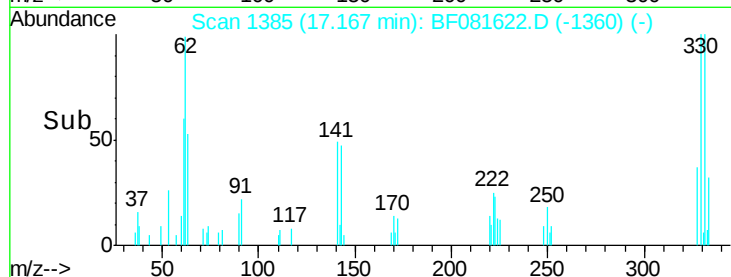
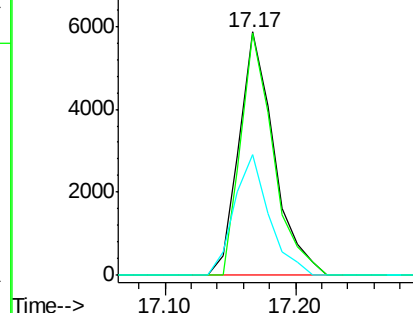
#41
 2,4,6-Tribromophenol
 Concen: 14.92 ng
 RT: 17.17 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BF081622.D
 Acq: 15 Sep 2015 2:08

Instrument :
 BNA_F
 ClientSampleId :
 GP-14(0-5)

Tgt Ion: 330 Resp: 10954
 Ion Ratio Lower Upper
 330 100
 332 92.6 76.6 114.8
 141 49.0 29.7 44.5#

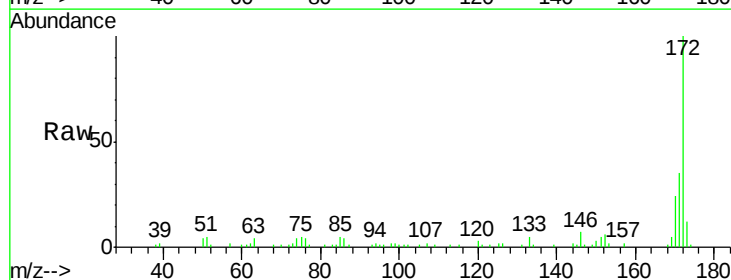


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

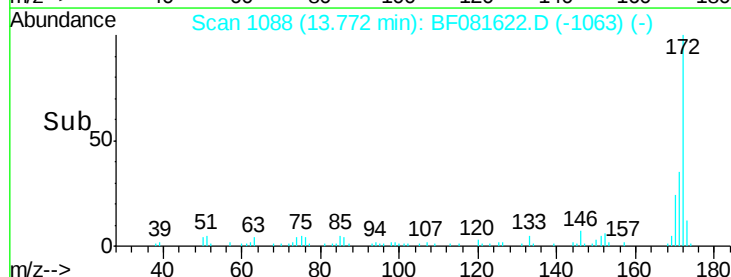
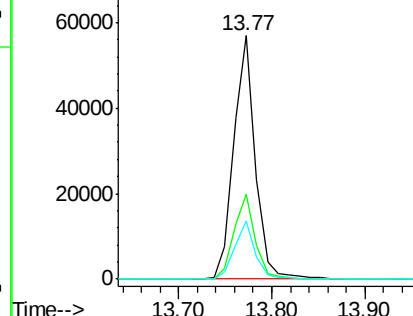


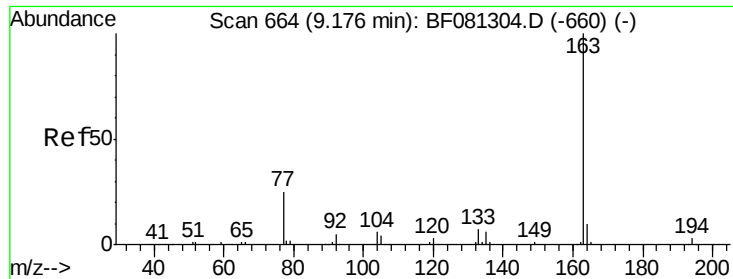
#44
 2-Fluorobiphenyl
 Concen: 14.24 ng
 RT: 13.77 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BF081622.D
 Acq: 15 Sep 2015 2:08

Tgt Ion: 172 Resp: 91663
 Ion Ratio Lower Upper
 172 100
 171 35.0 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: 2.90 ng

RT: 14.84 min Scan# 1181

Delta R.T. -0.03 min

Lab File: BF081622.D

Acq: 15 Sep 2015 2:08

Instrument :

BNA_F

ClientSampleId :

GP-14(0-5)

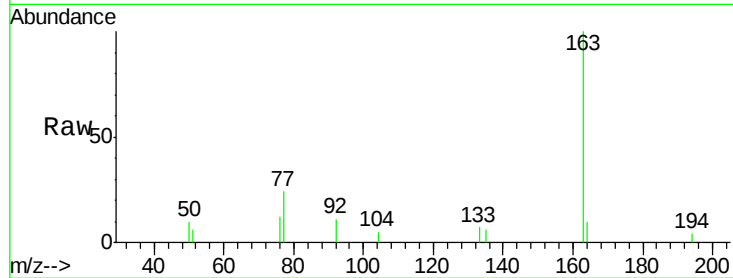
Tgt Ion:163 Resp: 18556

Ion Ratio Lower Upper

163 100

194 4.1 4.4 6.6#

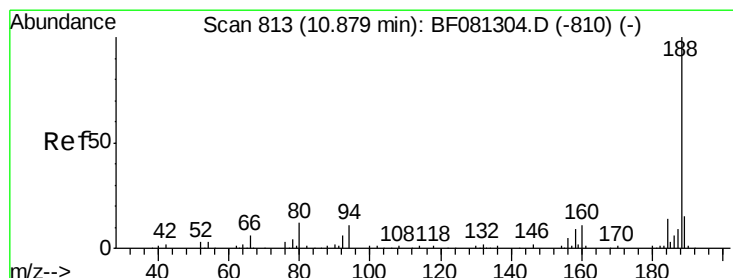
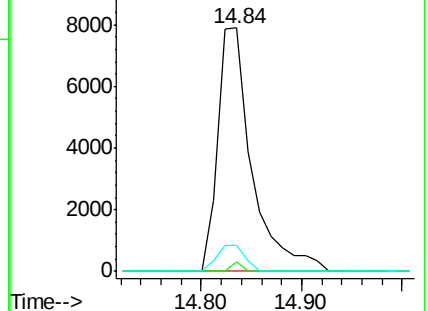
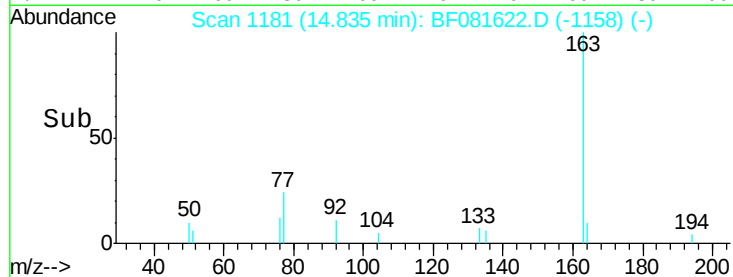
164 10.4 8.3 12.5



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: BF081622.D

Acq: 15 Sep 2015 2:08

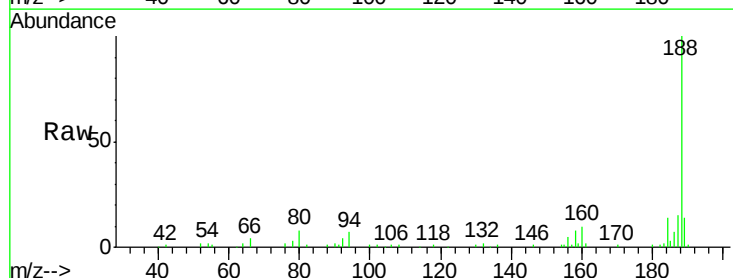
Tgt Ion:188 Resp: 142836

Ion Ratio Lower Upper

188 100

94 7.4 11.1 16.7#

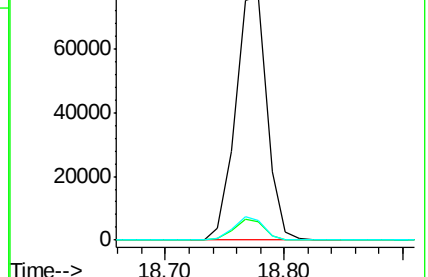
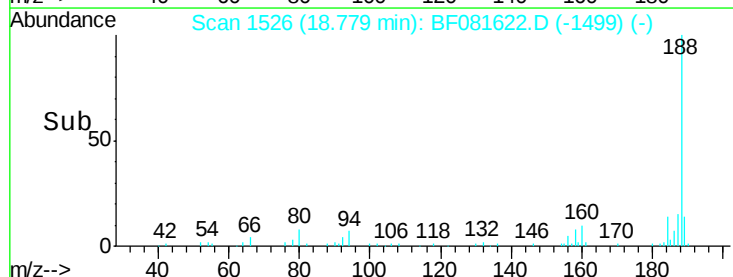
80 7.9 11.0 16.4#

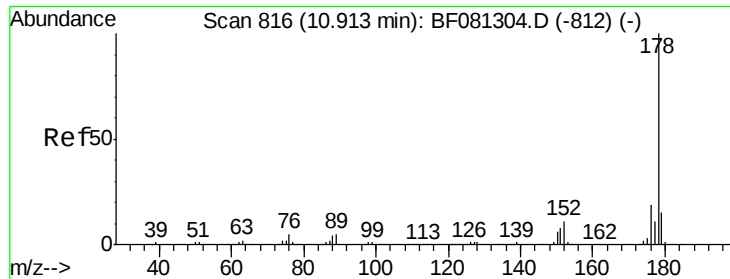


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

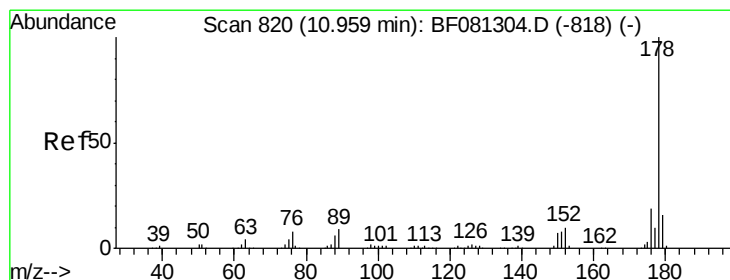
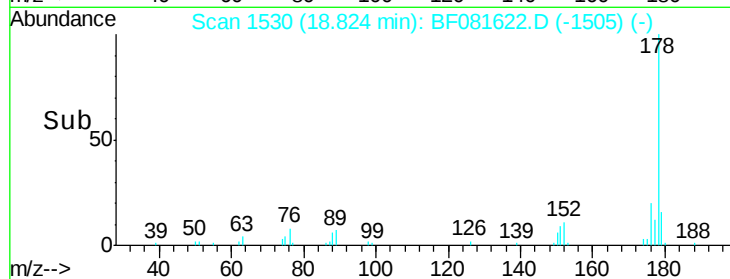
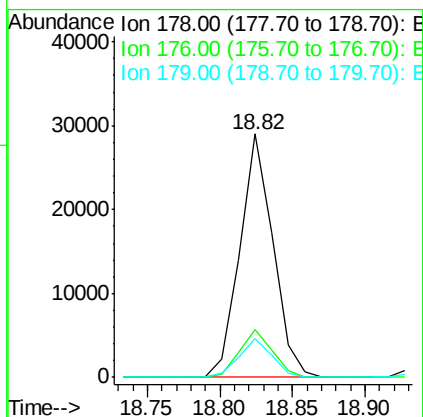
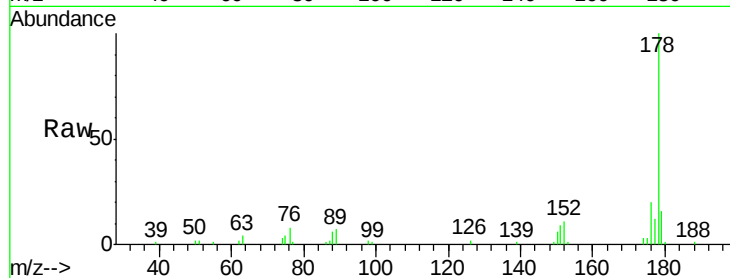




#70
 Phenanthrene
 Concen: 5.79 ng
 RT: 18.82 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: BF081622.D
 Acq: 15 Sep 2015 2:08

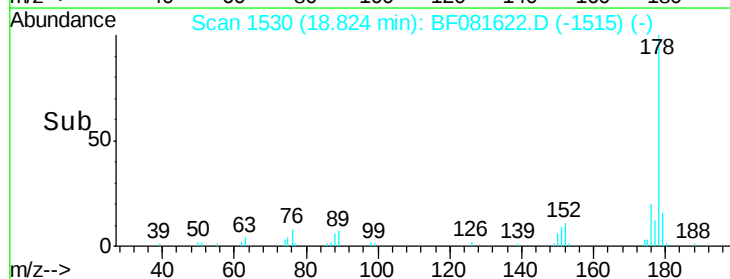
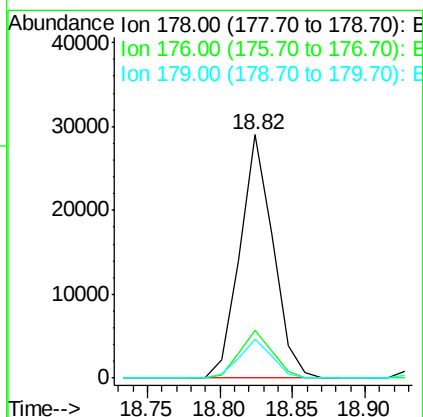
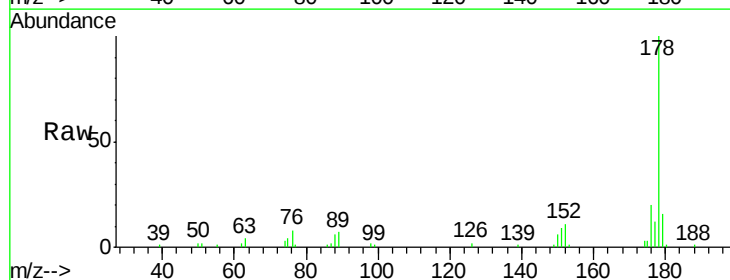
Instrument :
 BNA_F
 ClientSampleId :
 GP-14(0-5)

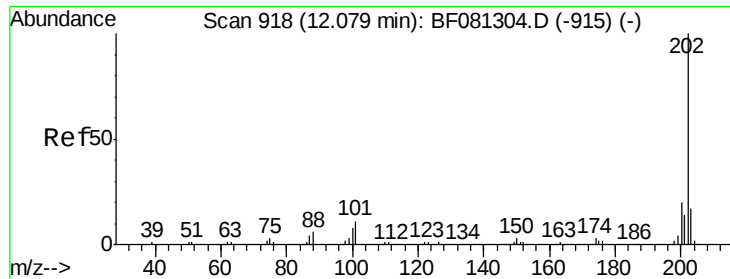
Tgt Ion:178 Resp: 45980
 Ion Ratio Lower Upper
 178 100
 176 19.5 13.8 20.8
 179 15.8 12.2 18.2



#71
 Anthracene
 Concen: 5.64 ng
 RT: 18.82 min Scan# 1530
 Delta R.T. -0.13 min
 Lab File: BF081622.D
 Acq: 15 Sep 2015 2:08

Tgt Ion:178 Resp: 45980
 Ion Ratio Lower Upper
 178 100
 176 19.5 14.1 21.1
 179 15.8 12.2 18.2

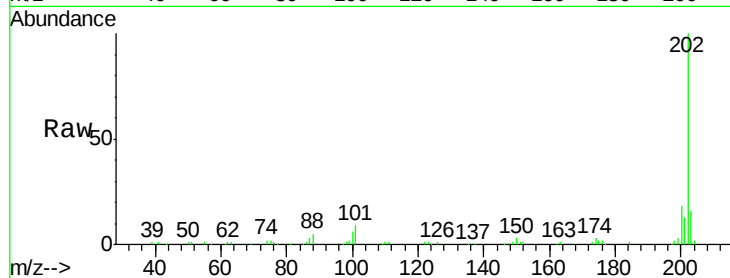




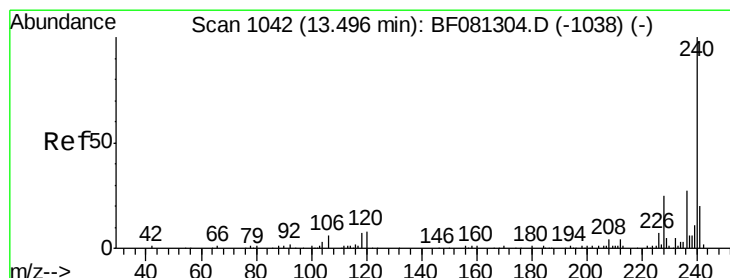
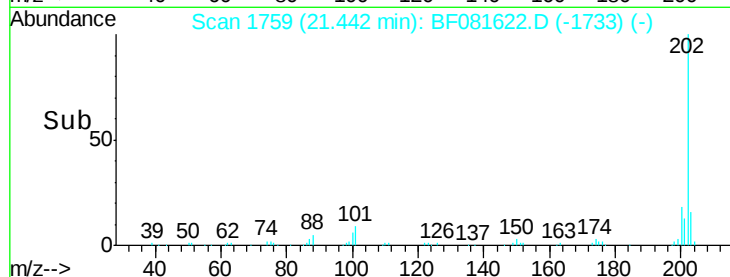
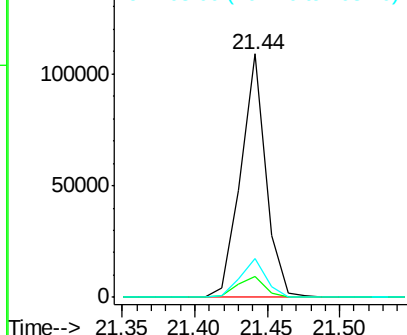
#74
 Fluoranthene
 Concen: 15.23 ng
 RT: 21.44 min Scan# 1759
 Delta R.T. -0.00 min
 Lab File: BF081622.D
 Acq: 15 Sep 2015 2:08

Instrument :
 BNA_F
 ClientSampleId :
 GP-14(0-5)

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	130961		
101	8.7	0.0	38.3	
203	16.2	0.0	37.3	

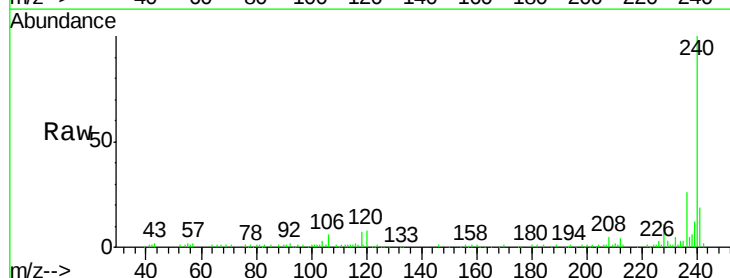


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

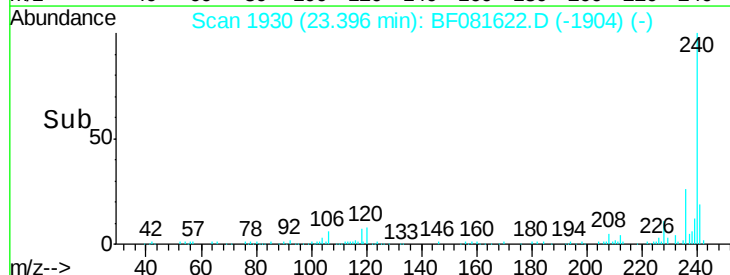
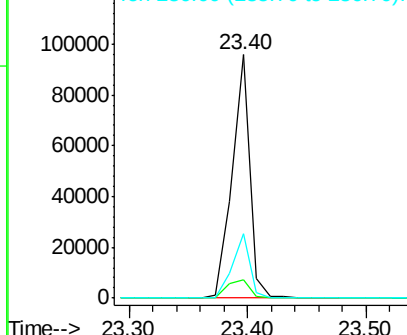


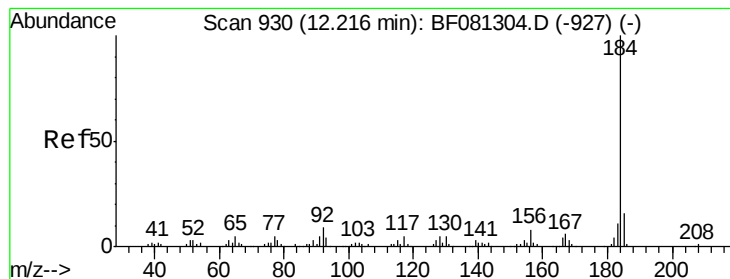
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 23.40 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: BF081622.D
 Acq: 15 Sep 2015 2:08

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	98913		
120	7.5	16.2	24.2#	
236	26.2	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





#76

Benzidine

Concen: 3.57 ng

RT: 21.76 min Scan# 1787

Delta R.T. 0.01 min

Lab File: BF081622.D

Acq: 15 Sep 2015 2:08

Instrument :

BNA_F

ClientSampleId :

GP-14(0-5)

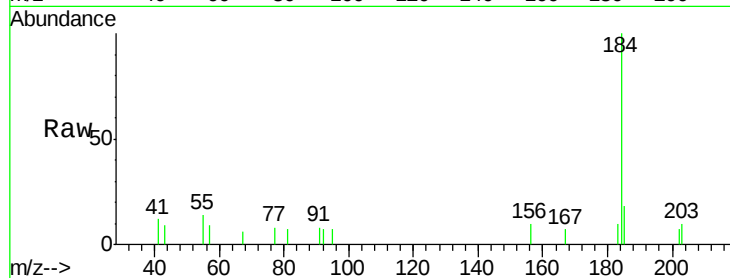
Tgt Ion:184 Resp: 15154

Ion Ratio Lower Upper

184 100

185 17.7 11.8 17.6#

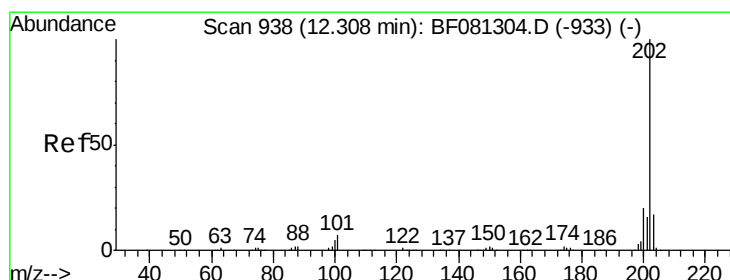
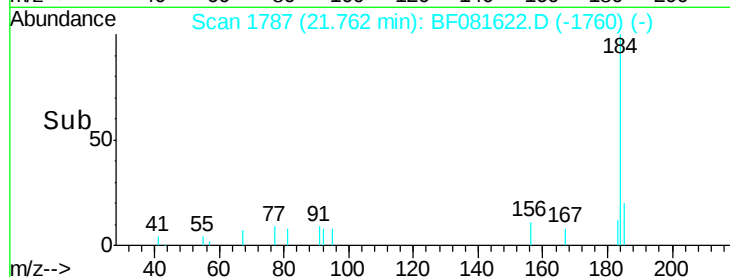
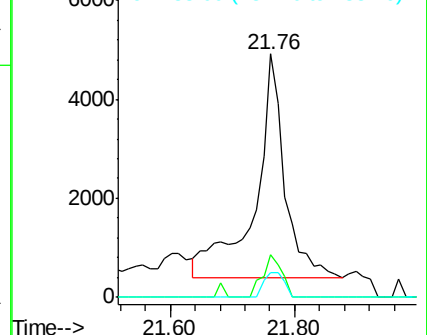
183 10.3 7.6 11.4



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 16.53 ng

RT: 21.78 min Scan# 1789

Delta R.T. -0.00 min

Lab File: BF081622.D

Acq: 15 Sep 2015 2:08

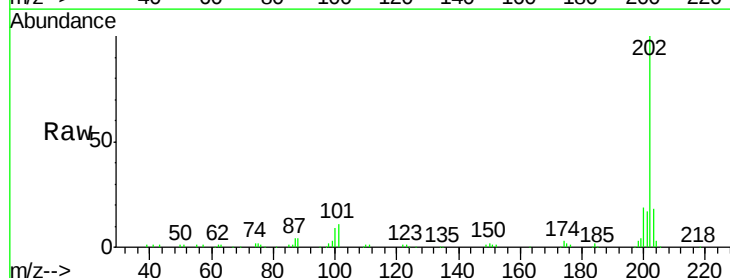
Tgt Ion:202 Resp: 121125

Ion Ratio Lower Upper

202 100

200 19.4 15.0 22.4

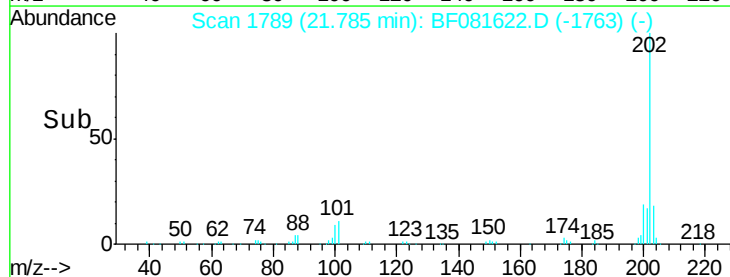
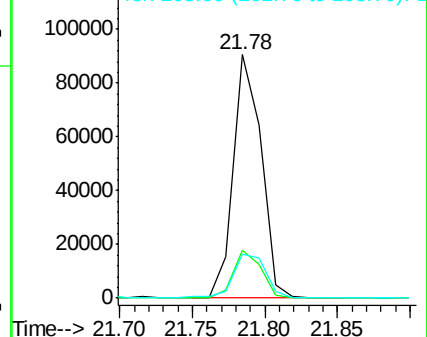
203 18.0 14.1 21.1

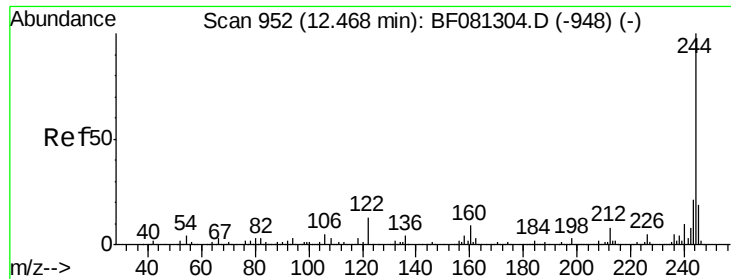


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

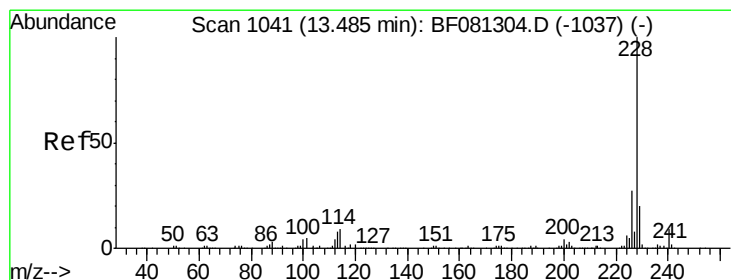
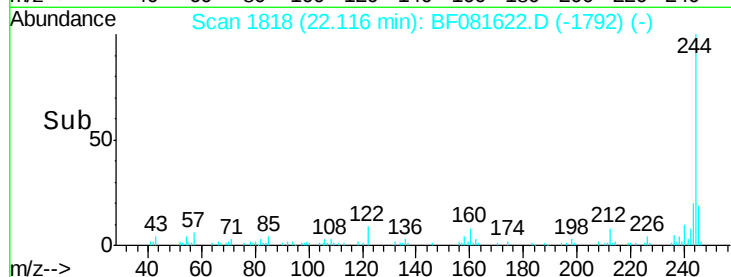
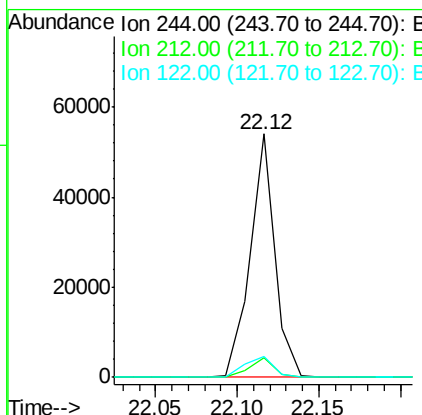
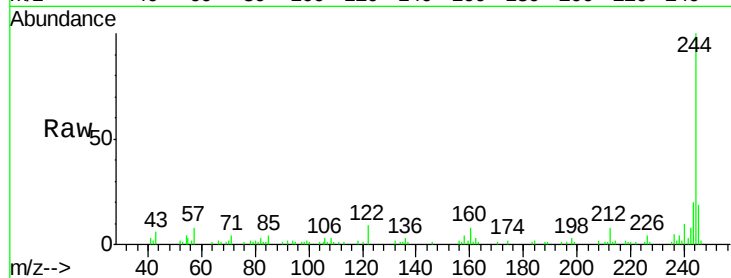




#78
 Terphenyl-d14
 Concen: 13.33 ng
 RT: 22.12 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: BF081622.D
 Acq: 15 Sep 2015 2:08

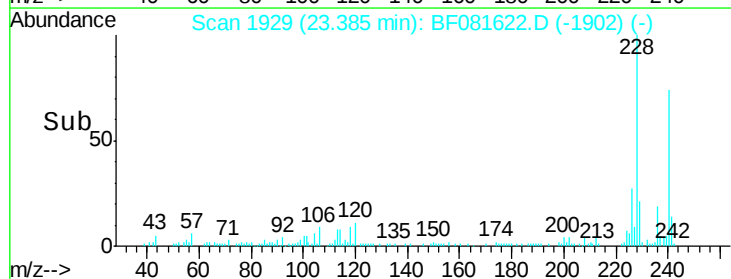
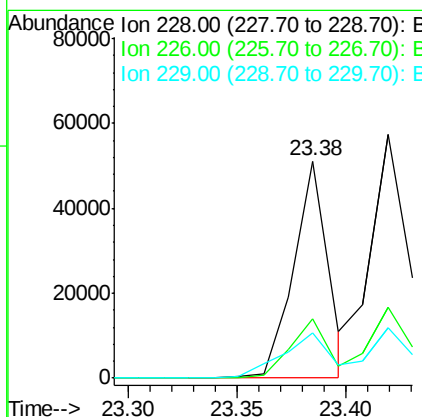
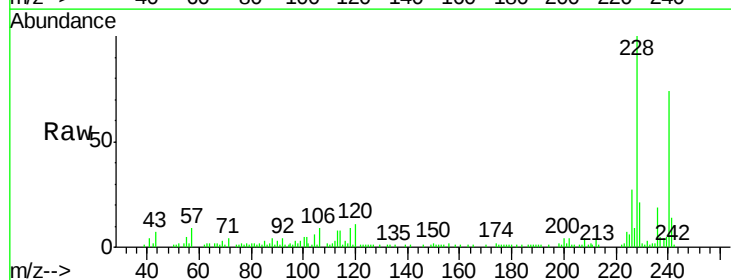
Instrument :
 BNA_F
 ClientSampleId :
 GP-14(0-5)

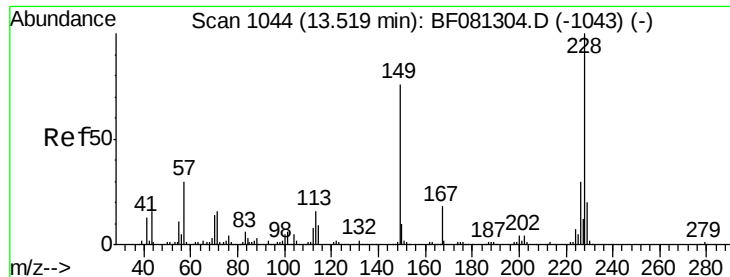
Tgt Ion: 244 Resp: 56653
 Ion Ratio Lower Upper
 244 100
 212 8.2 4.3 6.5#
 122 8.8 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 9.02 ng
 RT: 23.38 min Scan# 1929
 Delta R.T. 0.01 min
 Lab File: BF081622.D
 Acq: 15 Sep 2015 2:08

Tgt Ion: 228 Resp: 56821
 Ion Ratio Lower Upper
 228 100
 226 27.3 20.0 30.0
 229 20.8 15.4 23.2

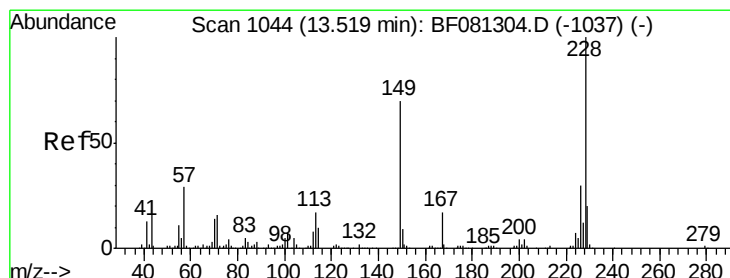
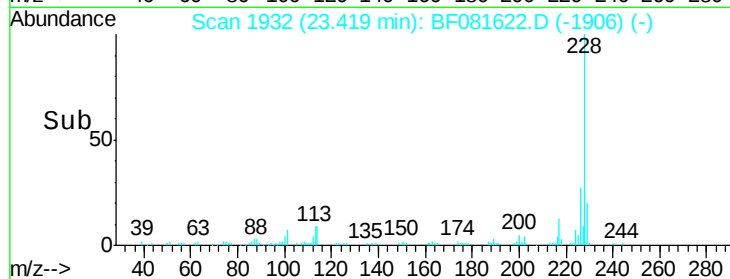
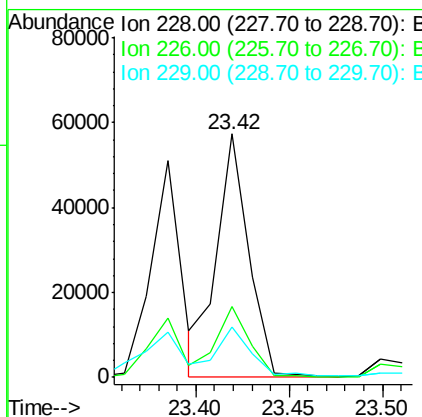
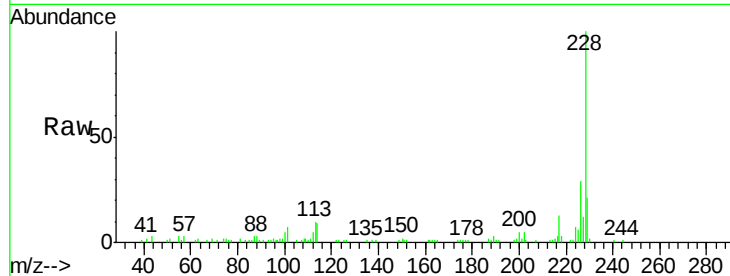




#82
Chrysene
 Concen: 12.23 ng
 RT: 23.42 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: BF081622.D
 Acq: 15 Sep 2015 2:08

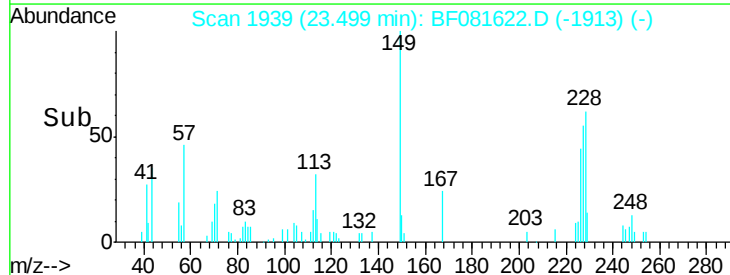
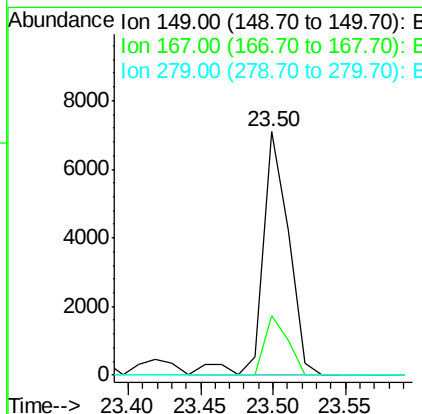
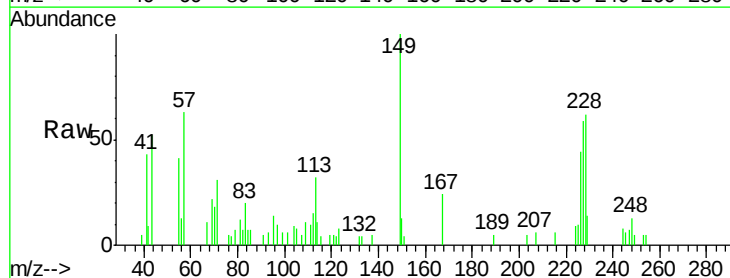
Instrument :
 BNA_F
 ClientSampleId :
 GP-14(0-5)

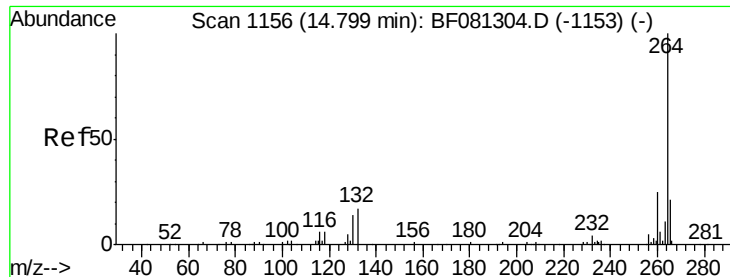
Tgt Ion:	228	Resp:	69051
Ion	Ratio	Lower	Upper
228	100		
226	29.3	21.0	31.4
229	20.8	15.6	23.4



#83
Bis(2-ethylhexyl)phthalate
 Concen: 2.09 ng
 RT: 23.50 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: BF081622.D
 Acq: 15 Sep 2015 2:08

Tgt Ion:	149	Resp:	8770
Ion	Ratio	Lower	Upper
149	100		
167	24.3	24.2	36.2
279	0.0	3.8	5.6#



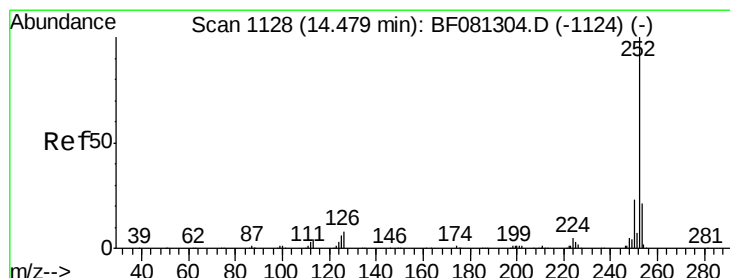
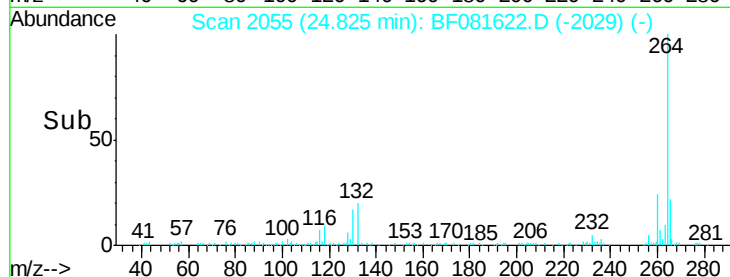
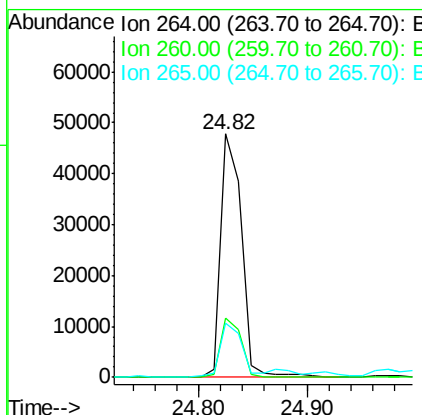
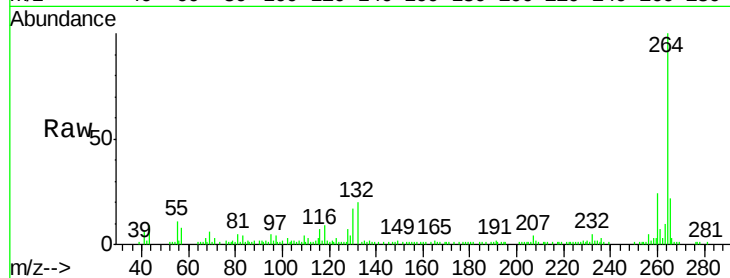


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.82 min Scan# 2055
Delta R.T. -0.00 min
Lab File: BF081622.D
Acq: 15 Sep 2015 2:08

Instrument :
BNA_F
ClientSampleId :
GP-14(0-5)

Tgt Ion: 264 Resp: 63811

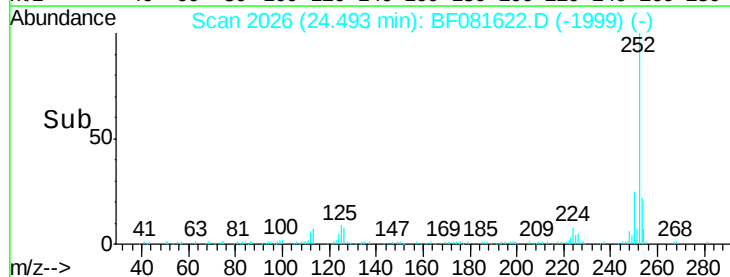
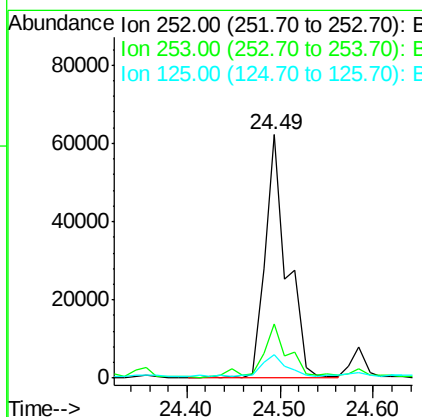
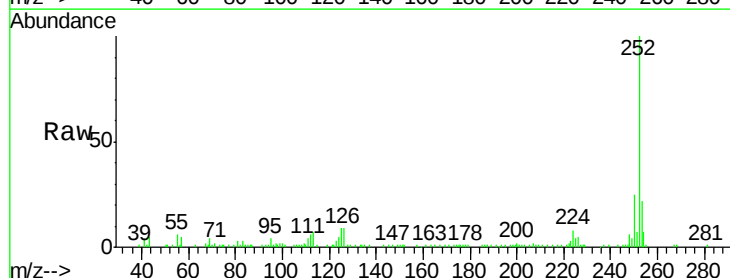
Ion	Ratio	Lower	Upper
264	100		
260	24.3	16.7	25.1
265	22.0	17.2	25.8

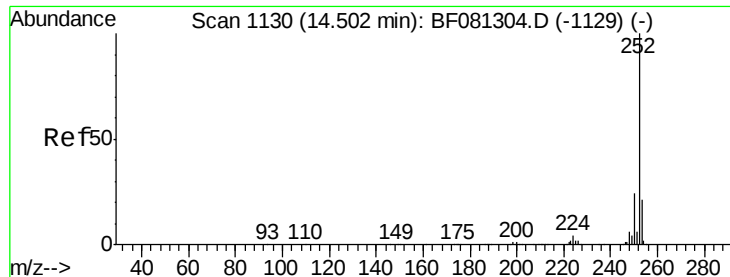


#87
Benzo(b)fluoranthene
Concen: 22.51 ng
RT: 24.49 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF081622.D
Acq: 15 Sep 2015 2:08

Tgt Ion: 252 Resp: 102561

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	9.5	17.1	25.7#





#88

Benzo(k)fluoranthene

Concen: 27.13 ng

RT: 24.49 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF081622.D

Acq: 15 Sep 2015 2:08

Instrument :

BNA_F

ClientSampleId :

GP-14(0-5)

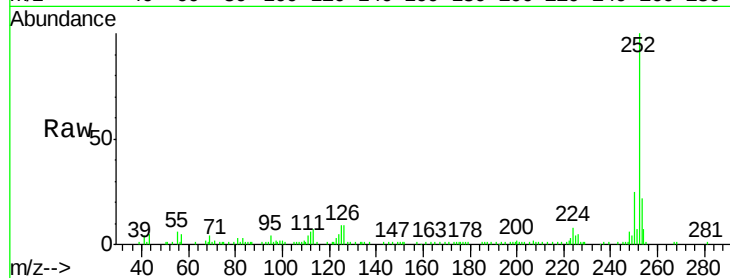
Tgt Ion:252 Resp: 102561

Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.4

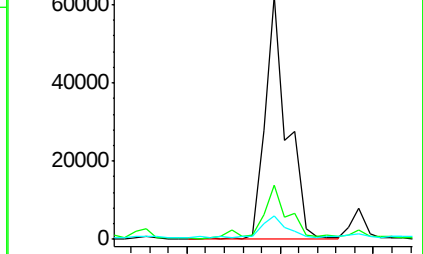
125 9.5 16.0 24.0#



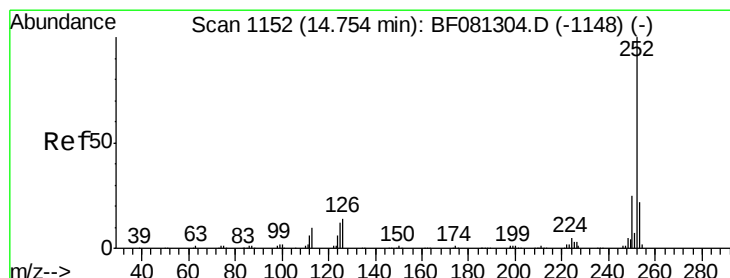
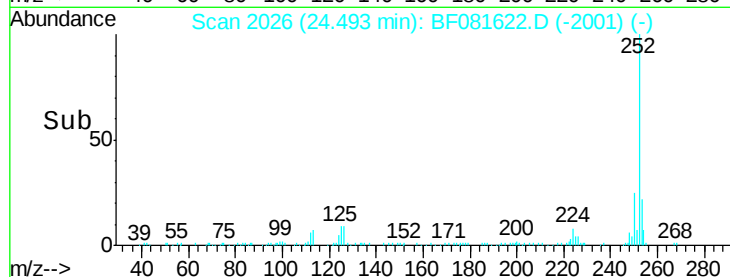
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#89

Benzo(a)pyrene

Concen: 10.63 ng

RT: 24.78 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BF081622.D

Acq: 15 Sep 2015 2:08

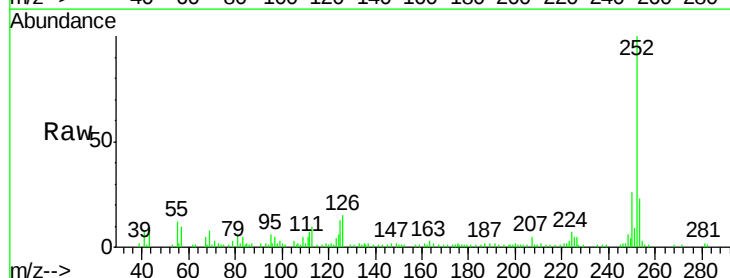
Tgt Ion:252 Resp: 41049

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

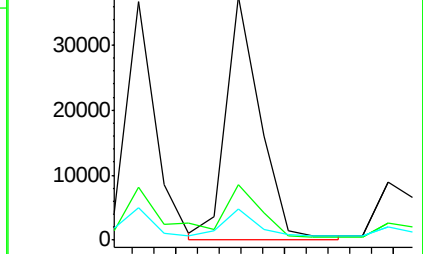
125 12.6 18.0 27.0#



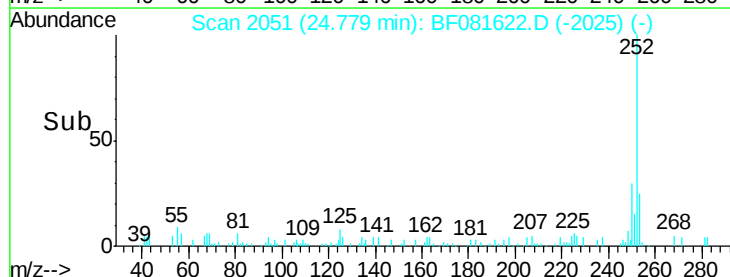
Abundance Ion 252.00 (251.70 to 252.70): E

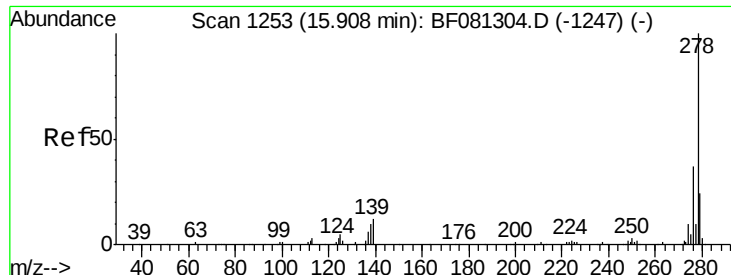
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#90

Dibenzo(a,h)anthracene

Concen: 2.19 ng

RT: 25.89 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BF081622.D

Acq: 15 Sep 2015 2:08

Instrument :

BNA_F

ClientSampleId :

GP-14(0-5)

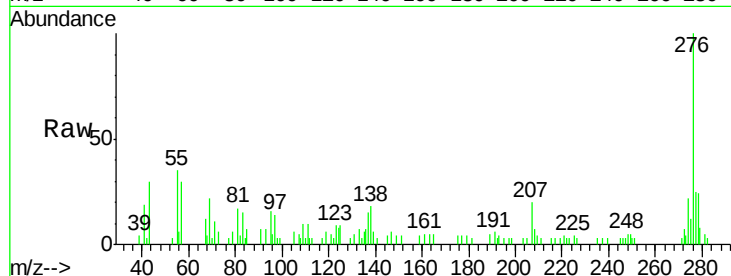
Tgt Ion:278 Resp: 6541

Ion Ratio Lower Upper

278 100

139 24.0 26.3 39.5#

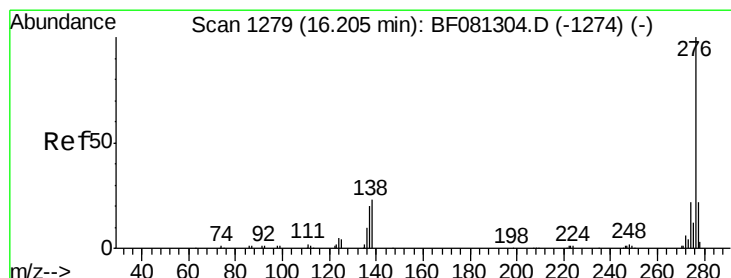
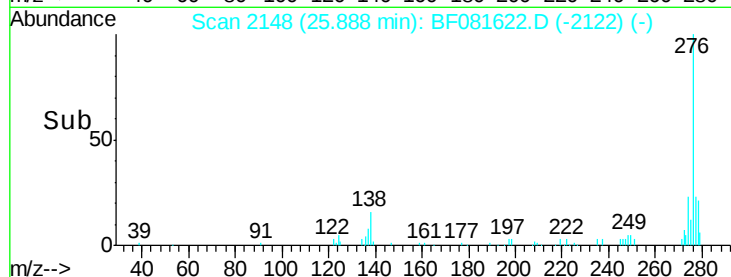
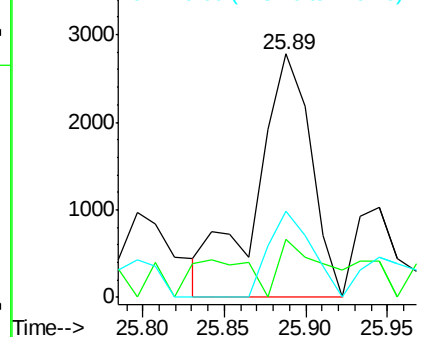
279 35.6 18.2 27.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 6.57 ng

RT: 26.20 min Scan# 2175

Delta R.T. 0.01 min

Lab File: BF081622.D

Acq: 15 Sep 2015 2:08

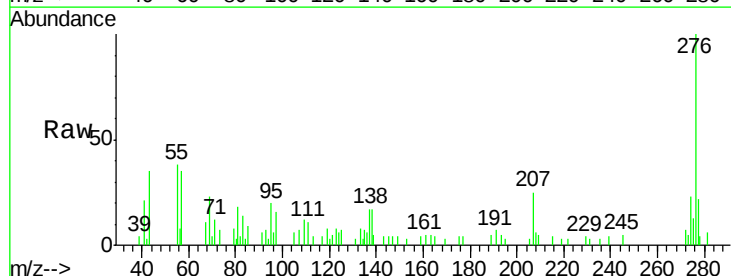
Tgt Ion:276 Resp: 18713

Ion Ratio Lower Upper

276 100

277 22.0 17.8 26.6

138 22.1 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

