

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091415\
 Data File : BF081619.D
 Acq On : 14 Sep 2015 21:53
 Operator : UM/IZ
 Sample : G3597-13 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-13(0-5)

Quant Time: Sep 15 04:02:20 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

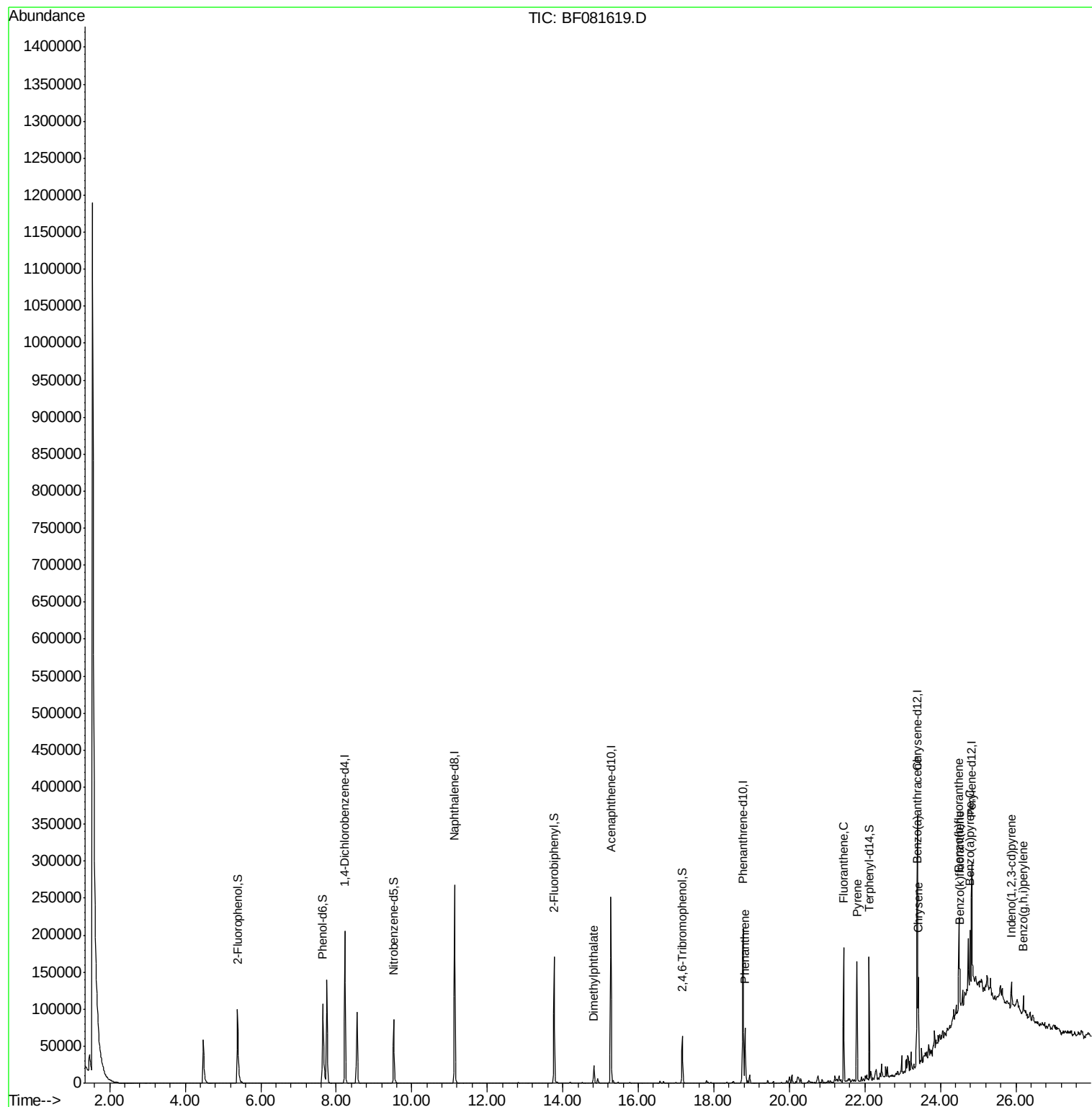
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	49947	20.00	ng	0.00
21) Naphthalene-d8	11.13	136	197648	20.00	ng	0.00
38) Acenaphthene-d10	15.27	164	88169	20.00	ng	0.00
63) Phenanthrene-d10	18.78	188	149372	20.00	ng	0.01
75) Chrysene-d12	23.40	240	108178	20.00	ng	0.00
86) Perylene-d12	24.84	264	72397	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	54873	17.05	ng	0.01
7) Phenol-d6	7.65	99	79328	18.62	ng	-0.01
23) Nitrobenzene-d5	9.52	82	50218	12.26	ng	-0.02
41) 2,4,6-Tribromophenol	17.17	330	12288	15.65	ng	-0.01
44) 2-Fluorobiphenyl	13.77	172	90744	13.19	ng	-0.01
78) Terphenyl-d14	22.12	244	55736	11.99	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.82	163	18726	2.73	ng	# 92
70) Phenanthrene	18.82	178	50964	6.14	ng	97
74) Fluoranthene	21.44	202	101623	11.30	ng	88
77) Pyrene	21.80	202	107596	13.43	ng	# 95
80) Benzo(a)anthracene	23.38	228	54018	7.84	ng	96
82) Chrysene	23.42	228	42908m	6.95	ng	
85) Indeno(1,2,3-cd)pyrene	25.89	276	14400m	3.18	ng	
87) Benzo(b)fluoranthene	24.49	252	55170m	10.67	ng	
88) Benzo(k)fluoranthene	24.52	252	17444m	4.07	ng	
89) Benzo(a)pyrene	24.78	252	32595	7.44	ng	# 89
91) Benzo(g,h,i)perylene	26.20	276	15003	4.64	ng	# 72

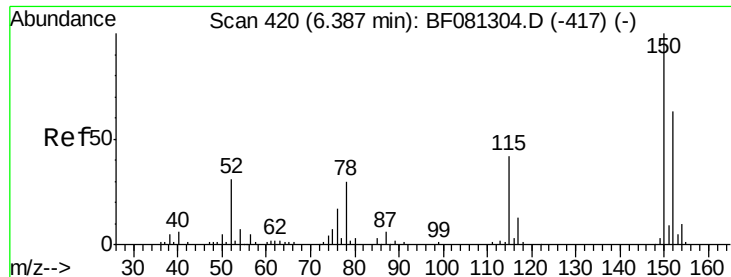
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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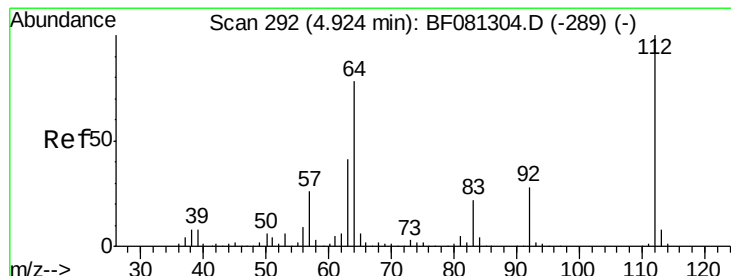
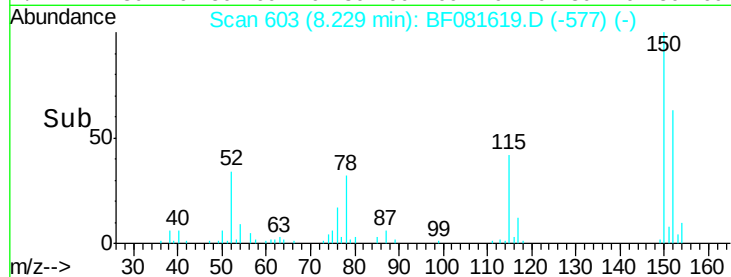
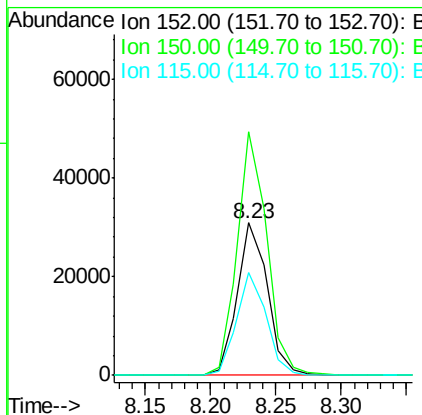
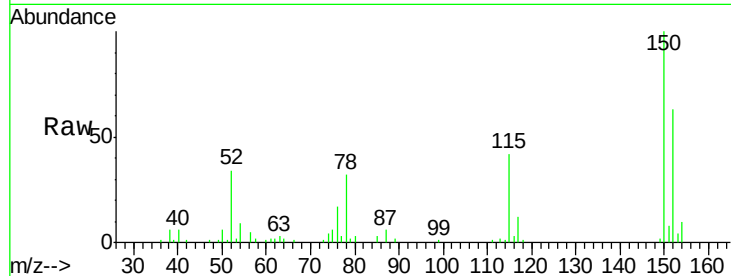


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.23 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: BF081619.D
 Acq: 14 Sep 2015 21:53

Instrument :
 BNA_F
 ClientSampleId :
 GP-13(0-5)

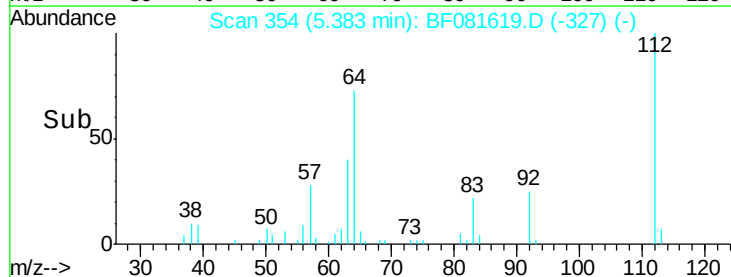
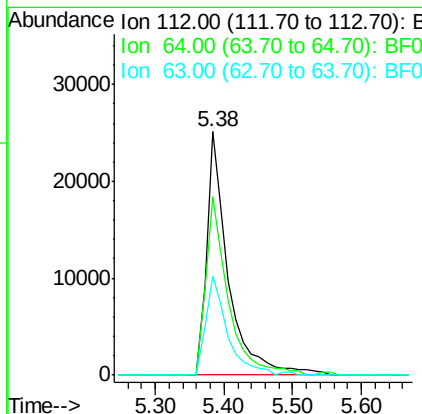
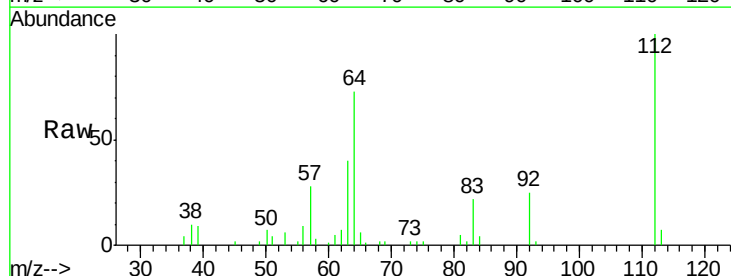
Tgt Ion:152 Resp: 49947
 Ion Ratio Lower Upper
 152 100
 150 159.5 124.7 187.1
 115 67.0 39.0 58.4#

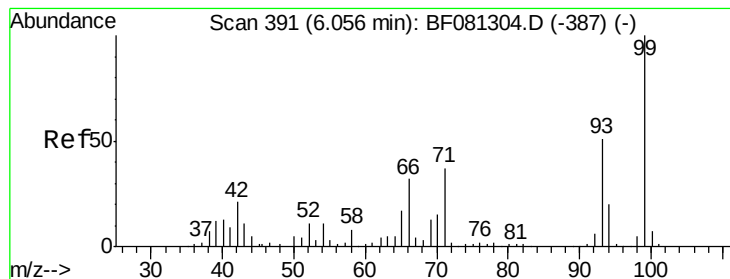


#5

2-Fluorophenol
 Concen: 17.05 ng
 RT: 5.38 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: BF081619.D
 Acq: 14 Sep 2015 21:53

Tgt Ion:112 Resp: 54873
 Ion Ratio Lower Upper
 112 100
 64 73.3 39.7 59.5#
 63 40.4 17.4 26.0#





#7

Phenol-d6

Concen: 18.62 ng

RT: 7.65 min Scan# 552

Delta R.T. -0.01 min

Lab File: BF081619.D

Acq: 14 Sep 2015 21:53

Instrument :

BNA_F

ClientSampleId :

GP-13(0-5)

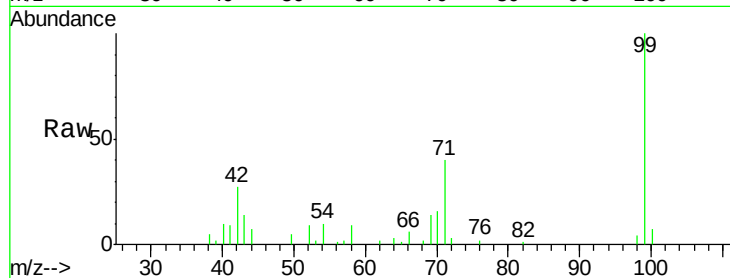
Tgt Ion: 99 Resp: 79328

Ion Ratio Lower Upper

99 100

42 27.5 13.7 20.5#

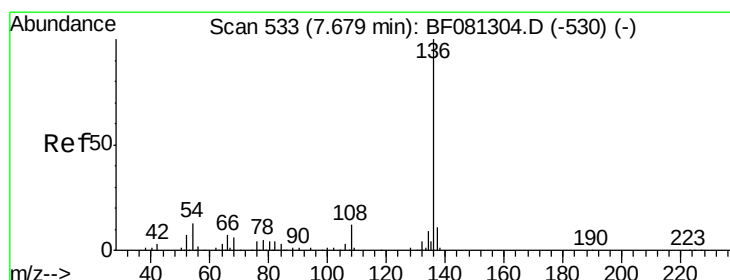
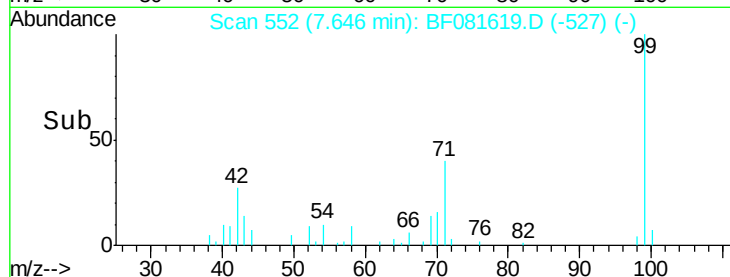
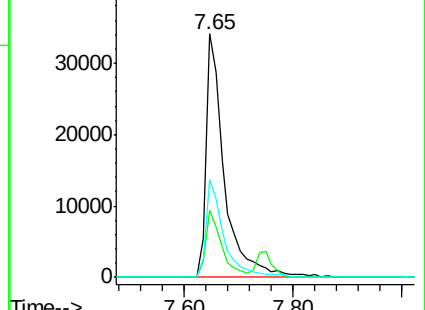
71 40.1 14.2 21.2#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.13 min Scan# 857

Delta R.T. -0.00 min

Lab File: BF081619.D

Acq: 14 Sep 2015 21:53

Tgt Ion: 136 Resp: 197648

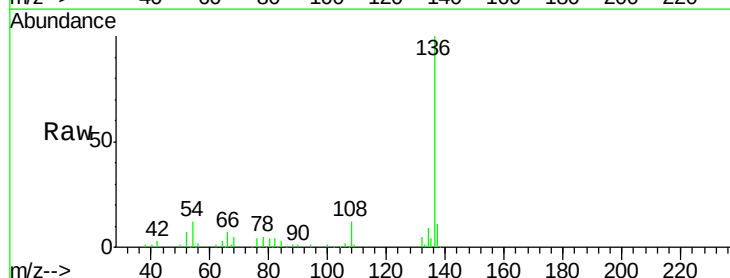
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 12.4 8.2 12.2#

68 5.1 5.8 8.6#

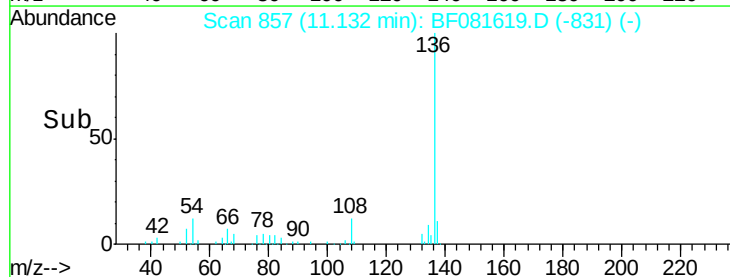
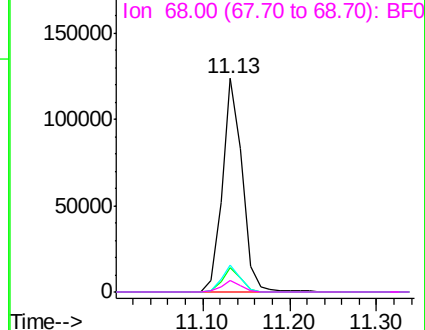


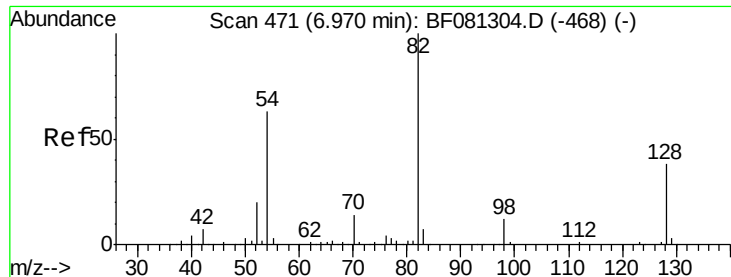
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

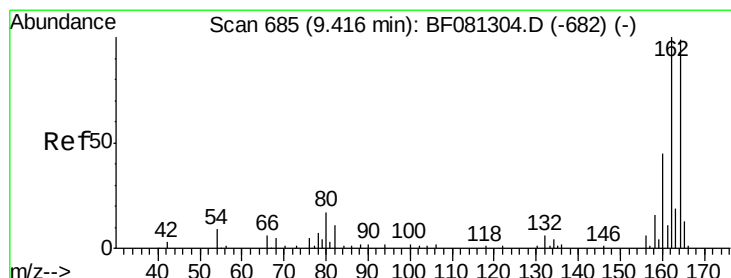
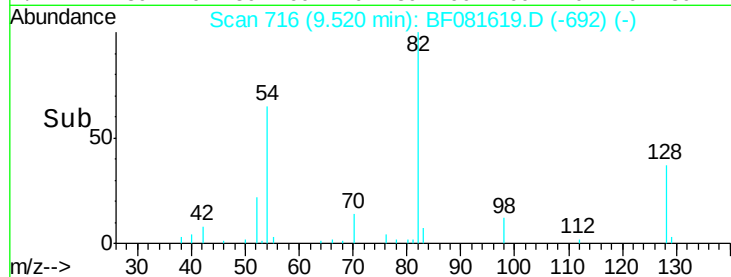
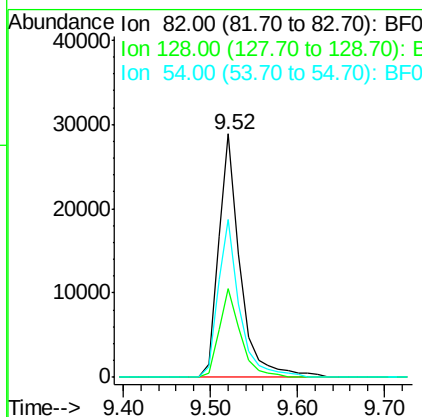
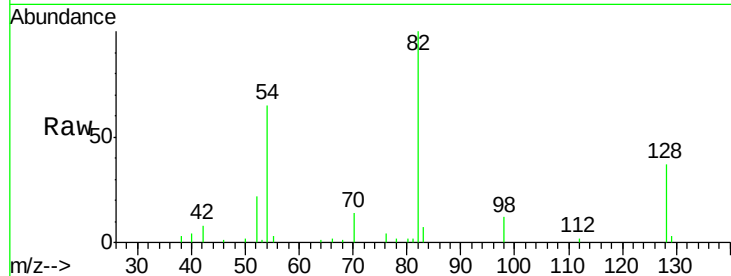




#23
 Nitrobenzene-d5
 Concen: 12.26 ng
 RT: 9.52 min Scan# 716
 Delta R.T. -0.02 min
 Lab File: BF081619.D
 Acq: 14 Sep 2015 21:53

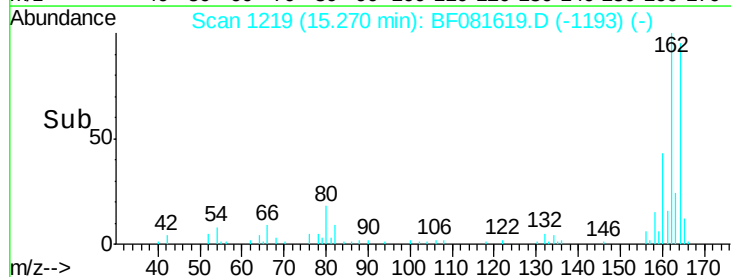
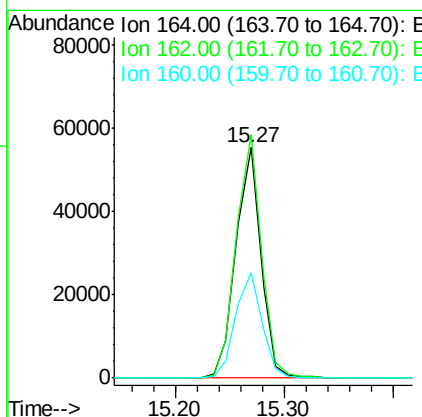
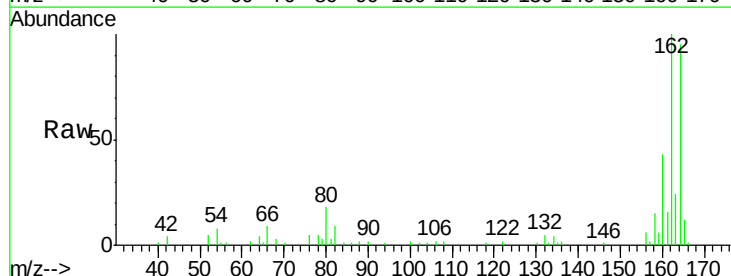
Instrument :
 BNA_F
 ClientSampleId :
 GP-13(0-5)

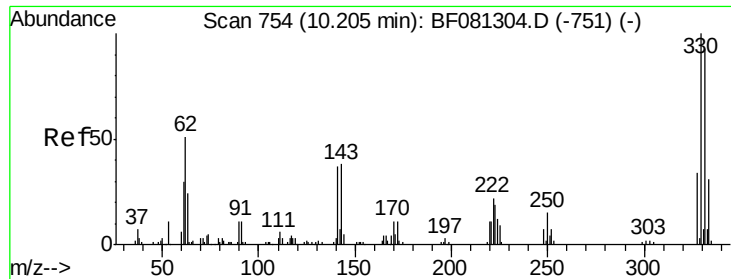
Tgt Ion: 82 Resp: 50218
 Ion Ratio Lower Upper
 82 100
 128 36.6 51.0 76.6#
 54 64.8 47.5 71.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.27 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: BF081619.D
 Acq: 14 Sep 2015 21:53

Tgt Ion: 164 Resp: 88169
 Ion Ratio Lower Upper
 164 100
 162 105.5 75.2 112.8
 160 45.5 31.5 47.3

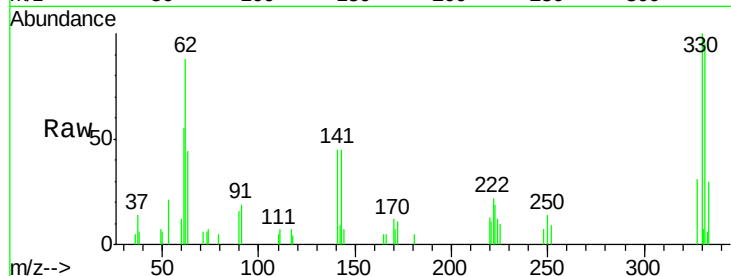




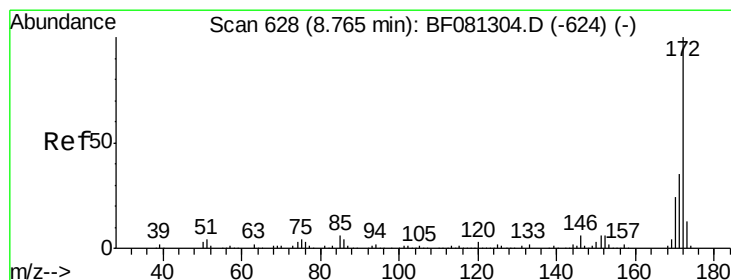
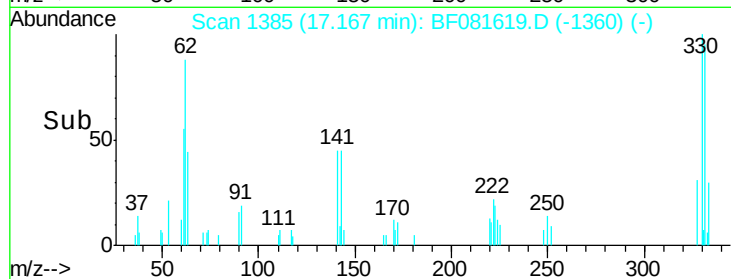
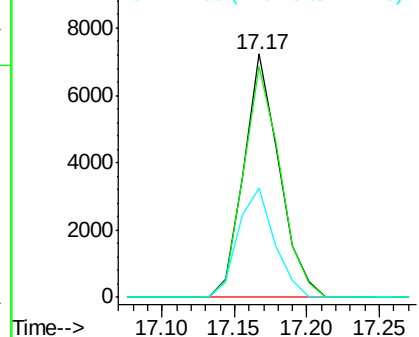
#41
 2,4,6-Tribromophenol
 Concen: 15.65 ng
 RT: 17.17 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BF081619.D
 Acq: 14 Sep 2015 21:53

Instrument :
 BNA_F
 ClientSampleId :
 GP-13(0-5)

Tgt Ion: 330 Resp: 12288
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.6 114.8
 141 45.8 29.7 44.5#

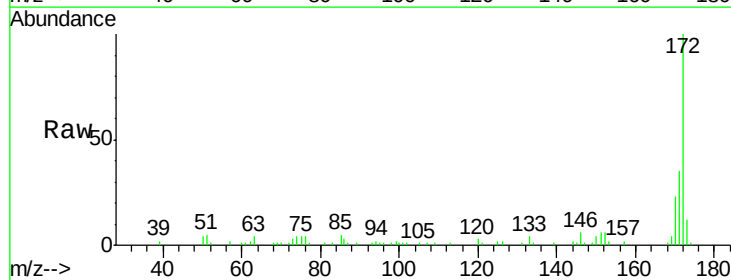


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

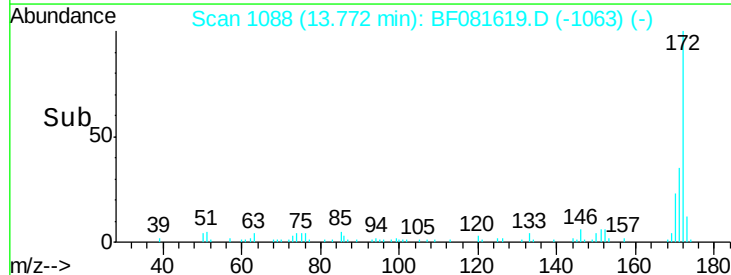
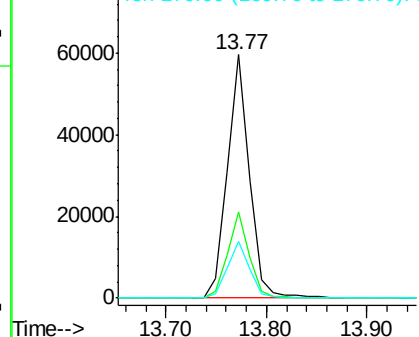


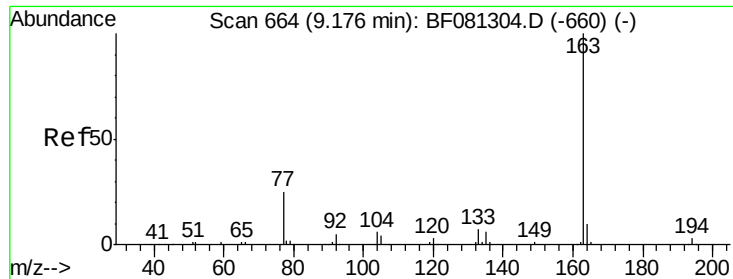
#44
 2-Fluorobiphenyl
 Concen: 13.19 ng
 RT: 13.77 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BF081619.D
 Acq: 14 Sep 2015 21:53

Tgt Ion: 172 Resp: 90744
 Ion Ratio Lower Upper
 172 100
 171 35.3 26.1 39.1
 170 23.2 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: 2.73 ng

RT: 14.82 min Scan# 1180

Delta R.T. -0.05 min

Lab File: BF081619.D

Acq: 14 Sep 2015 21:53

Instrument :

BNA_F

ClientSampleId :

GP-13(0-5)

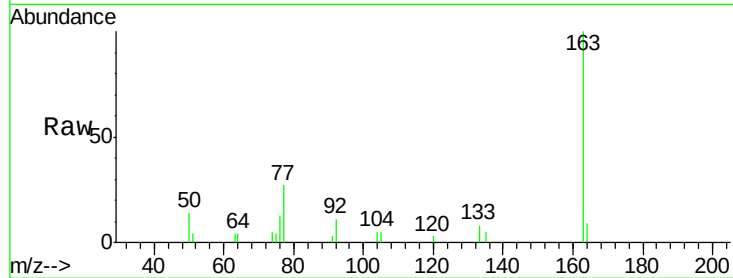
Tgt Ion:163 Resp: 18726

Ion Ratio Lower Upper

163 100

194 0.0 4.4 6.6#

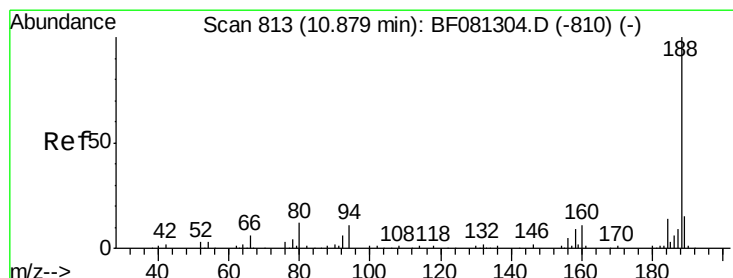
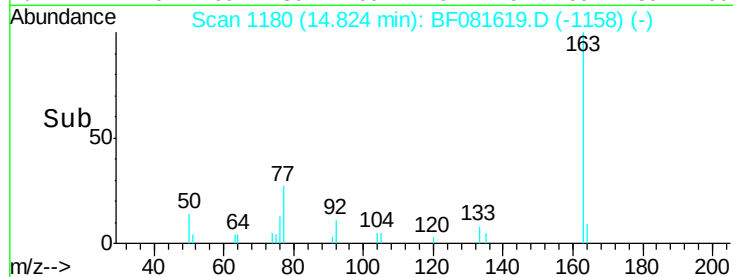
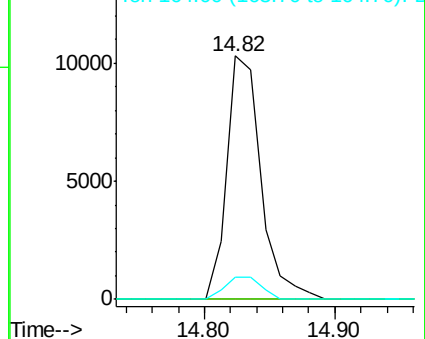
164 9.2 8.3 12.5



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: BF081619.D

Acq: 14 Sep 2015 21:53

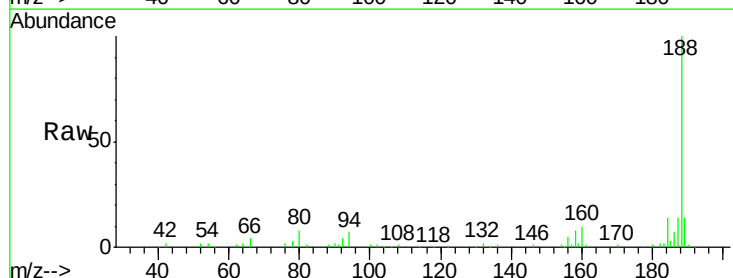
Tgt Ion:188 Resp: 149372

Ion Ratio Lower Upper

188 100

94 7.1 11.1 16.7#

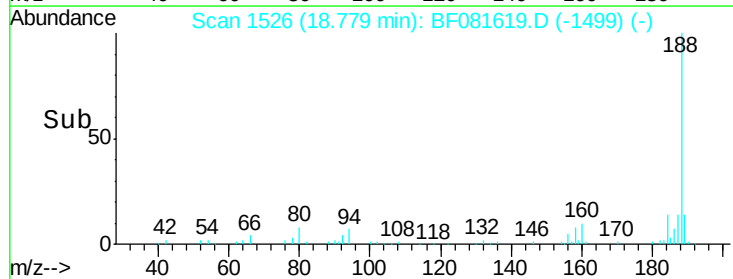
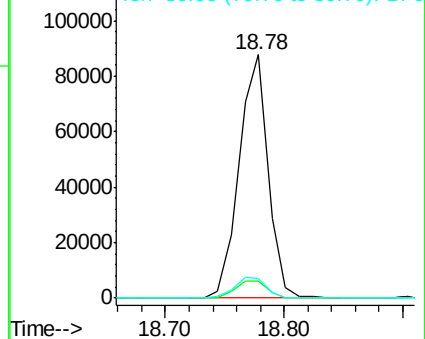
80 8.0 11.0 16.4#

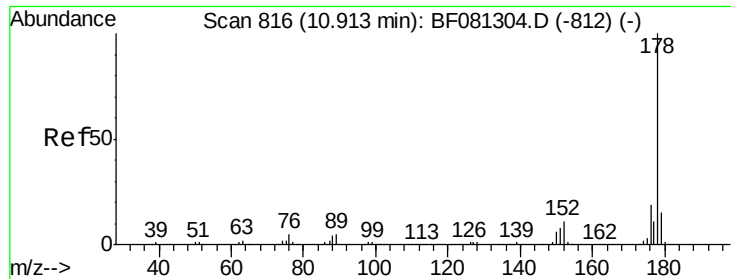


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 6.14 ng

RT: 18.82 min Scan# 1530

Delta R.T. -0.01 min

Lab File: BF081619.D

Acq: 14 Sep 2015 21:53

Instrument :

BNA_F

ClientSampleId :

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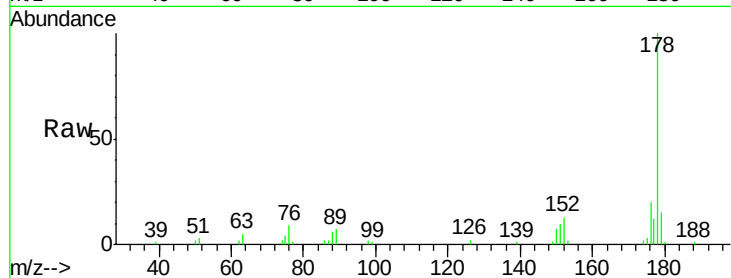
Tgt Ion:178 Resp: 50964

Ion Ratio Lower Upper

178 100

176 19.7 13.8 20.8

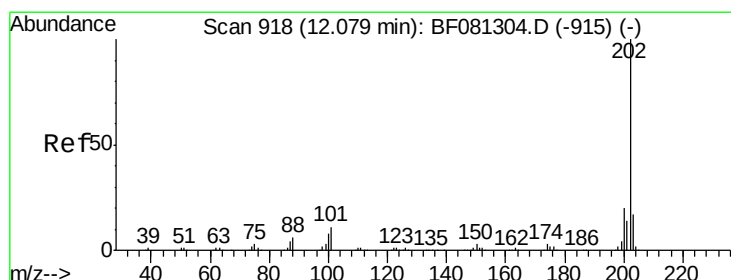
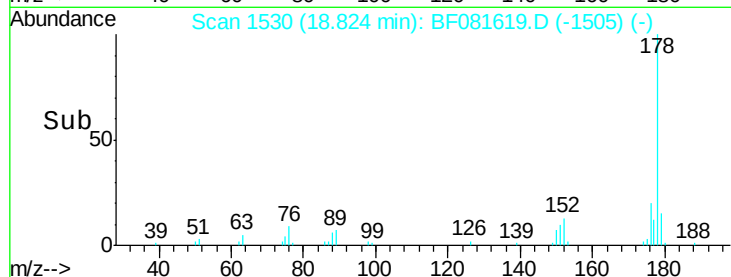
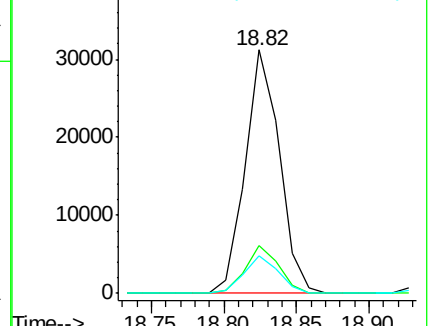
179 15.3 12.2 18.2



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: 11.30 ng

RT: 21.44 min Scan# 1759

Delta R.T. -0.00 min

Lab File: BF081619.D

Acq: 14 Sep 2015 21:53

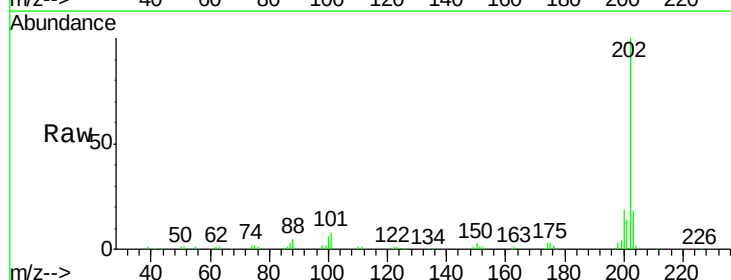
Tgt Ion:202 Resp: 101623

Ion Ratio Lower Upper

202 100

101 8.2 0.0 38.3

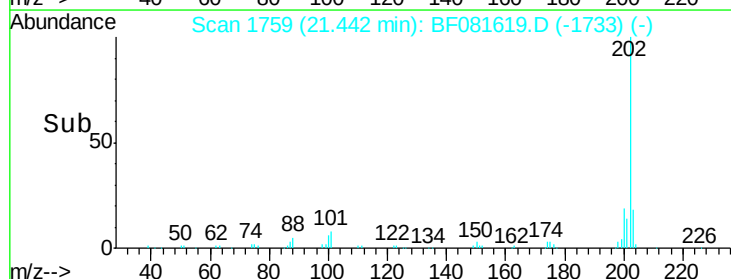
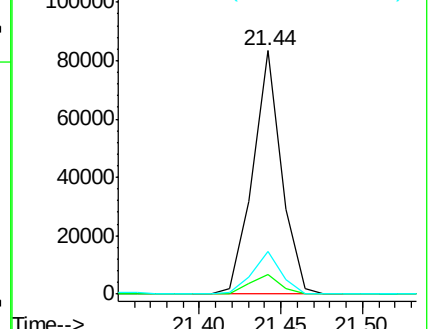
203 17.7 0.0 37.3

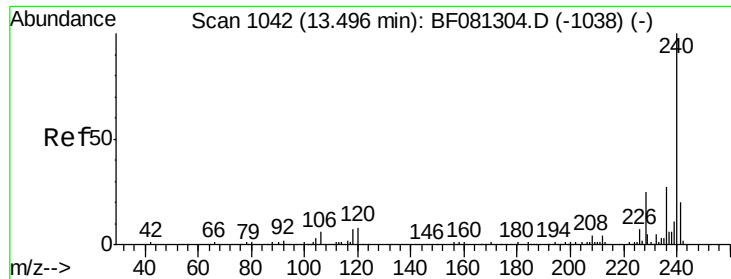


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

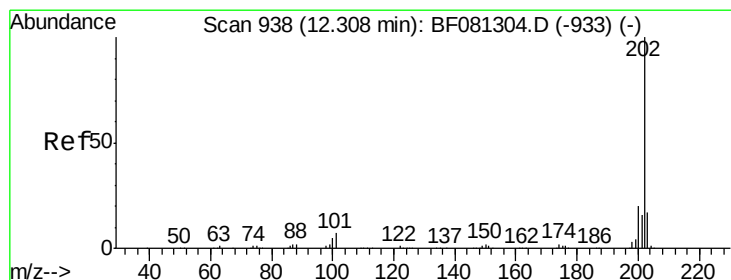
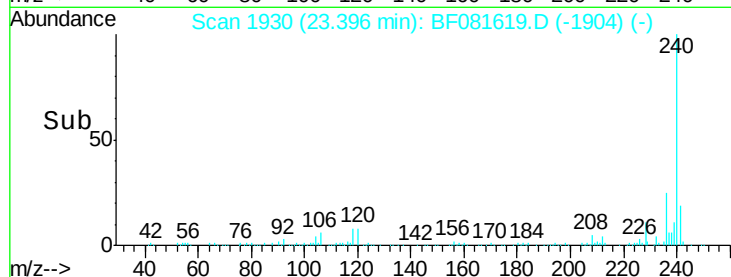
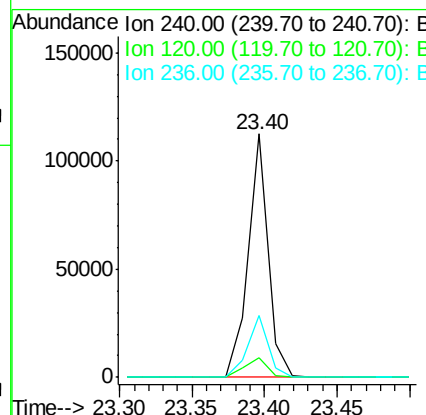
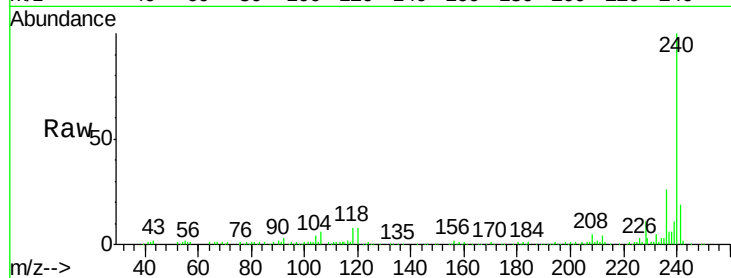




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 23.40 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: BF081619.D
 Acq: 14 Sep 2015 21:53

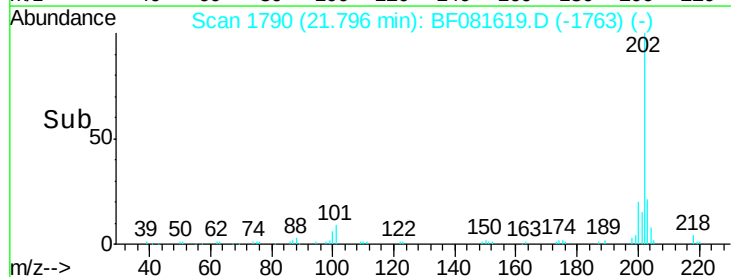
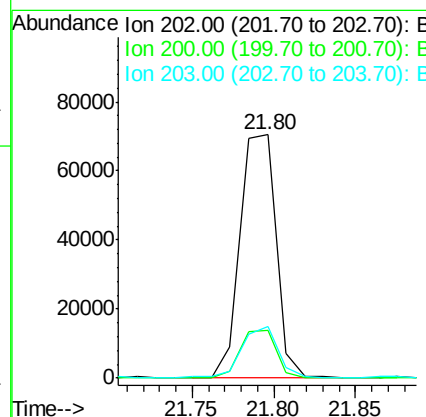
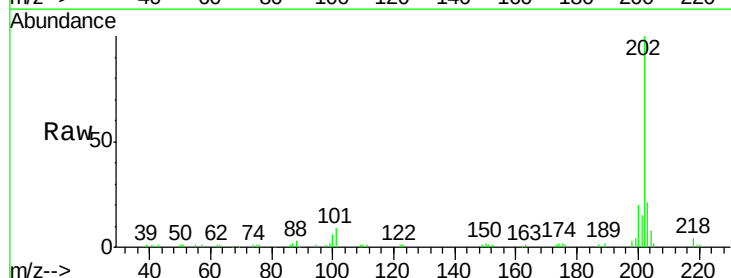
Instrument :
 BNA_F
 ClientSampleId :
 GP-13(0-5)

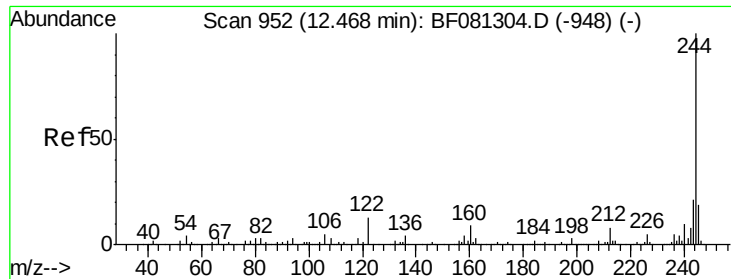
Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.1	16.2	24.2#
236	25.6	18.4	27.6



#77
 Pyrene
 Concen: 13.43 ng
 RT: 21.80 min Scan# 1790
 Delta R.T. 0.01 min
 Lab File: BF081619.D
 Acq: 14 Sep 2015 21:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.0	22.4
203	21.3	14.1	21.1#

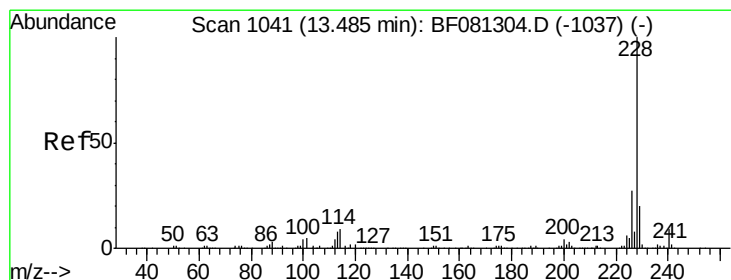
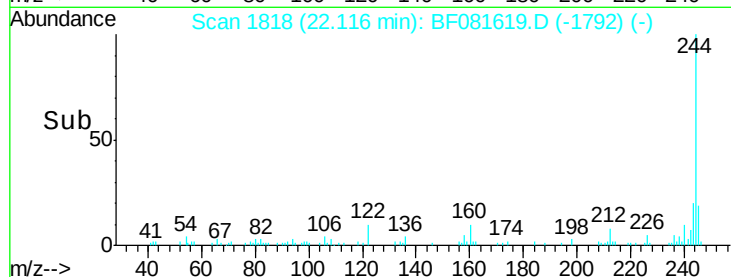
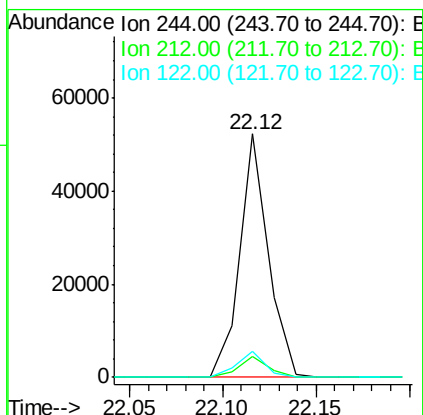
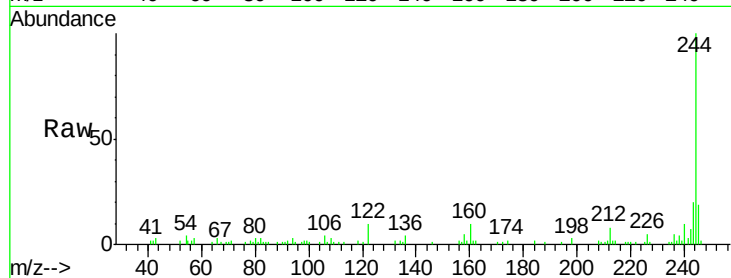




#78
 Terphenyl-d14
 Concen: 11.99 ng
 RT: 22.12 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: BF081619.D
 Acq: 14 Sep 2015 21:53

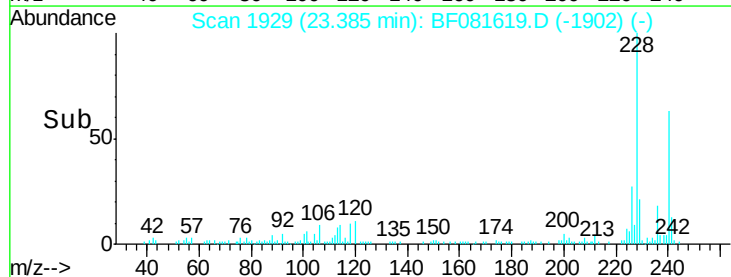
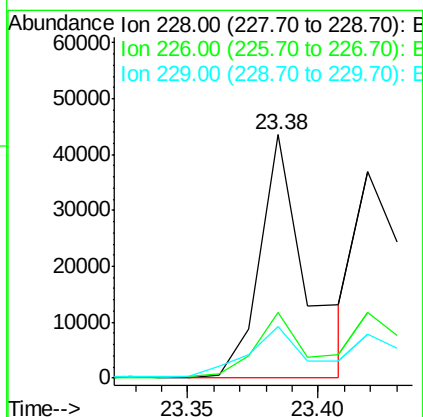
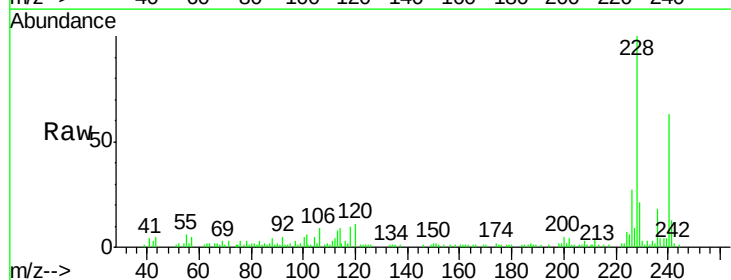
Instrument :
 BNA_F
 ClientSampleId :
 GP-13(0-5)

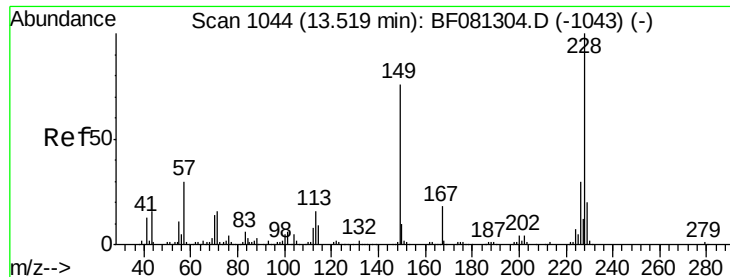
Tgt Ion:244 Resp: 55736
 Ion Ratio Lower Upper
 244 100
 212 8.3 4.3 6.5#
 122 10.5 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 7.84 ng
 RT: 23.38 min Scan# 1929
 Delta R.T. 0.01 min
 Lab File: BF081619.D
 Acq: 14 Sep 2015 21:53

Tgt Ion:228 Resp: 54018
 Ion Ratio Lower Upper
 228 100
 226 26.7 20.0 30.0
 229 21.1 15.4 23.2





#82

Chrysene

Concen: 6.95 ng m

RT: 23.42 min Scan# 1932

Delta R.T. -0.00 min

Lab File: BF081619.D

Acq: 14 Sep 2015 21:53

Instrument :

BNA_F

ClientSampleId :

GP-13(0-5)

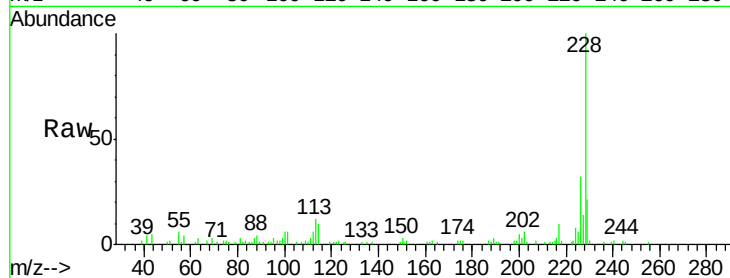
Tgt Ion:228 Resp: 42908

Ion Ratio Lower Upper

228 100

226 31.8 21.0 31.4#

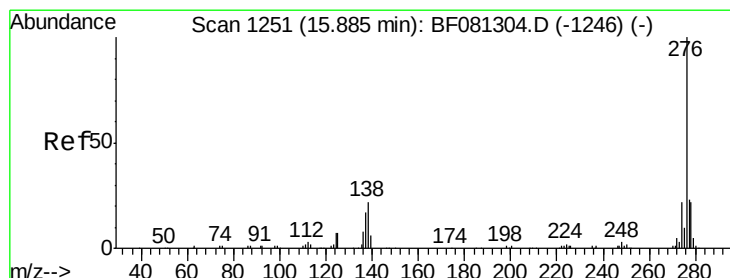
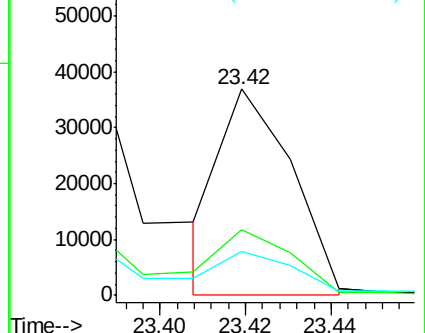
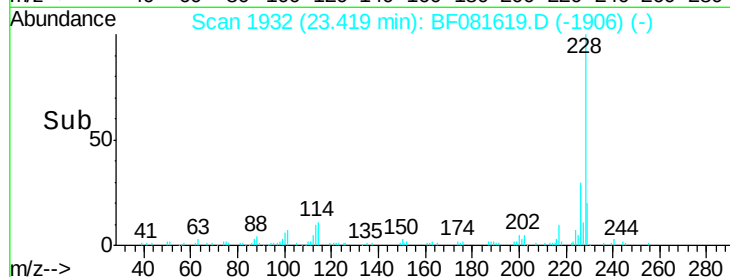
229 21.2 15.6 23.4



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: 3.18 ng m

RT: 25.89 min Scan# 2148

Delta R.T. 0.01 min

Lab File: BF081619.D

Acq: 14 Sep 2015 21:53

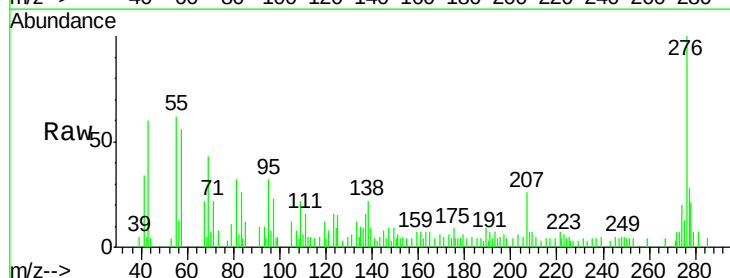
Tgt Ion:276 Resp: 14400

Ion Ratio Lower Upper

276 100

138 9.7 25.7 38.5#

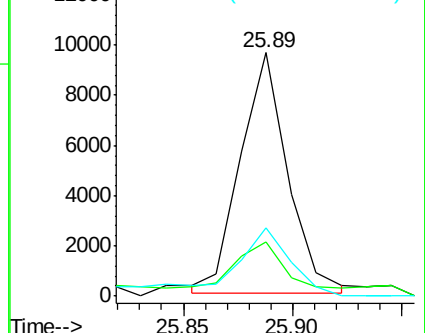
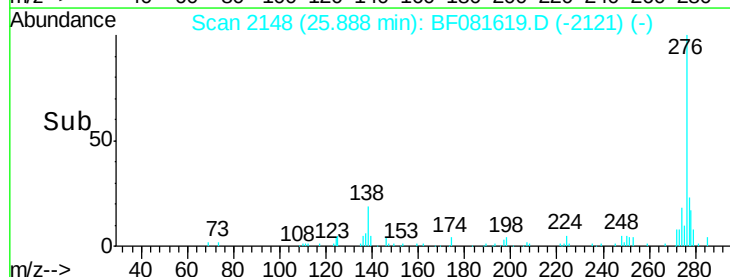
277 6.6 15.6 23.4#

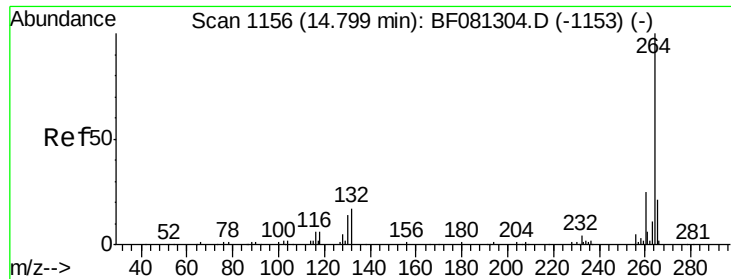


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



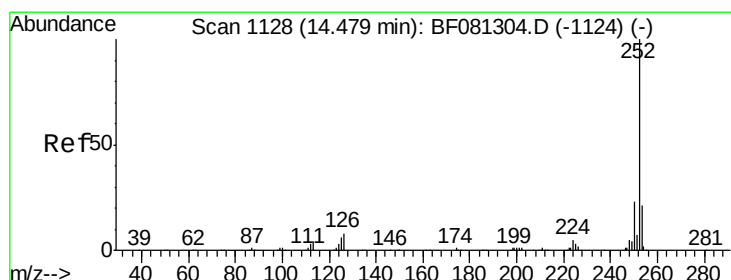
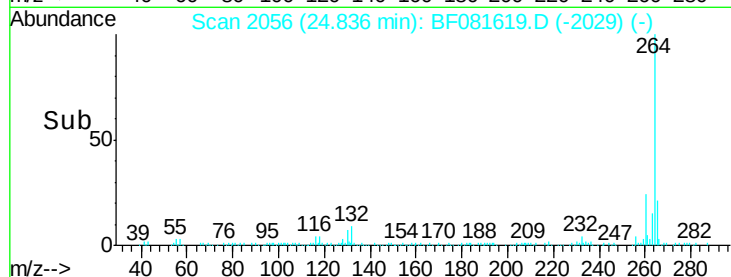
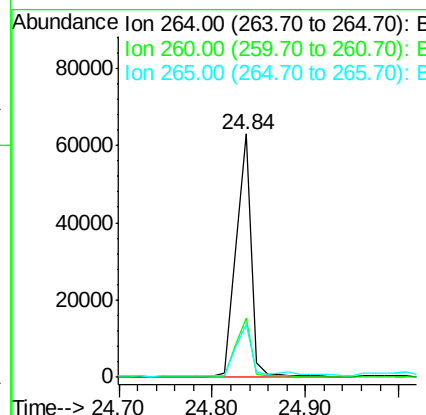
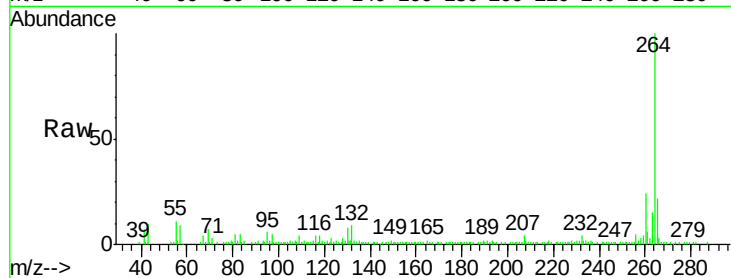


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.84 min Scan# 2056
Delta R.T. 0.01 min
Lab File: BF081619.D
Acq: 14 Sep 2015 21:53

Instrument :
BNA_F
ClientSampleId :
GP-13(0-5)

Tgt Ion: 264 Resp: 72397

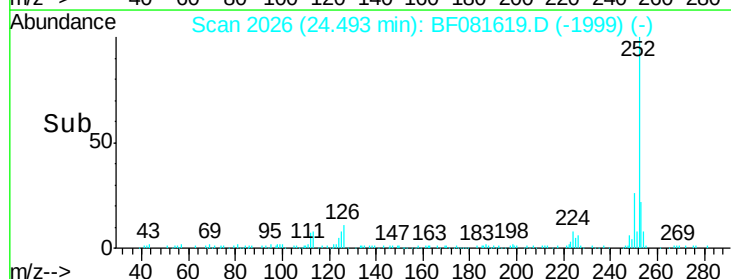
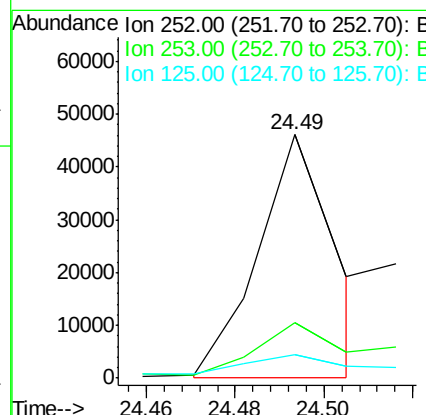
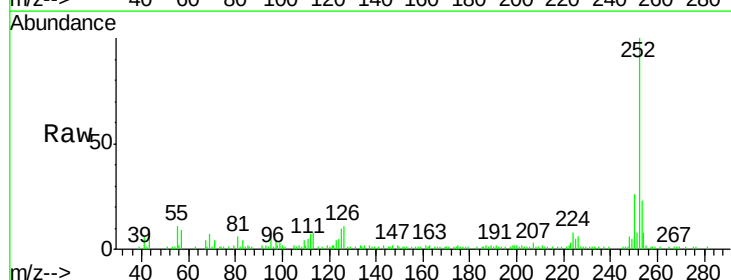
Ion	Ratio	Lower	Upper
264	100		
260	24.1	16.7	25.1
265	21.6	17.2	25.8

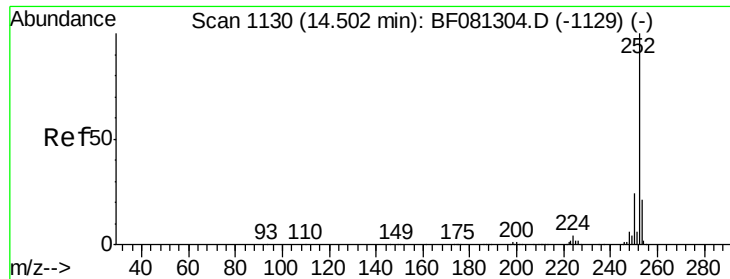


#87
Benzo(b)fluoranthene
Concen: 10.67 ng m
RT: 24.49 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF081619.D
Acq: 14 Sep 2015 21:53

Tgt Ion: 252 Resp: 55170

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	9.9	17.1	25.7#





#88

Benzo(k)fluoranthene

Concen: 4.07 ng m

RT: 24.52 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF081619.D

Acq: 14 Sep 2015 21:53

Instrument :

BNA_F

ClientSampleId :

GP-13(0-5)

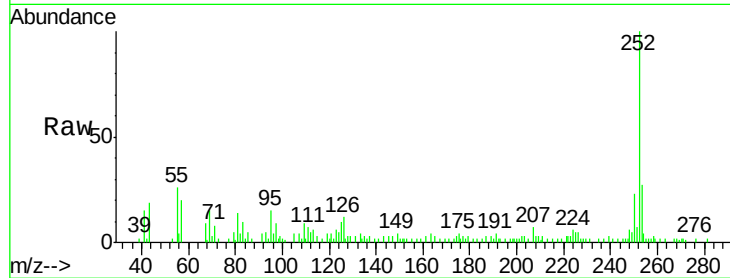
Tgt Ion:252 Resp: 17444

Ion Ratio Lower Upper

252 100

253 27.5 17.0 25.4#

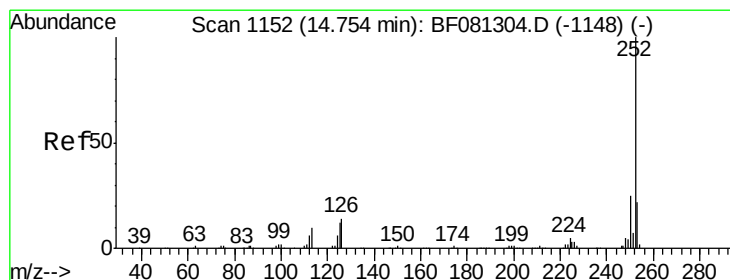
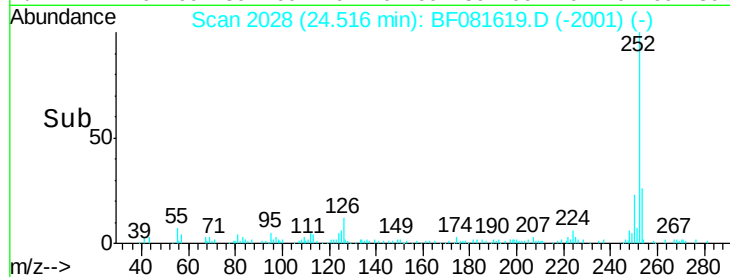
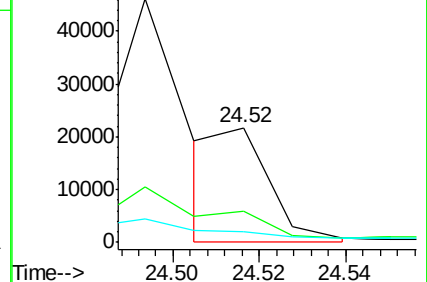
125 9.8 16.0 24.0#



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: 7.44 ng

RT: 24.78 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BF081619.D

Acq: 14 Sep 2015 21:53

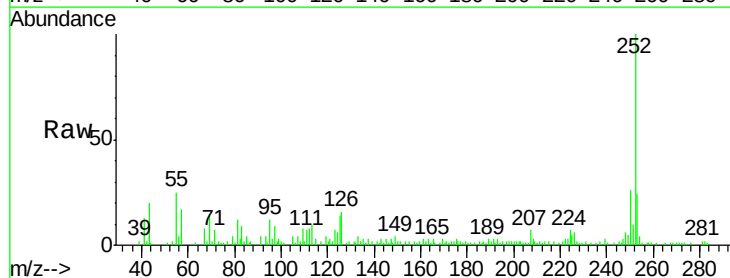
Tgt Ion:252 Resp: 32595

Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

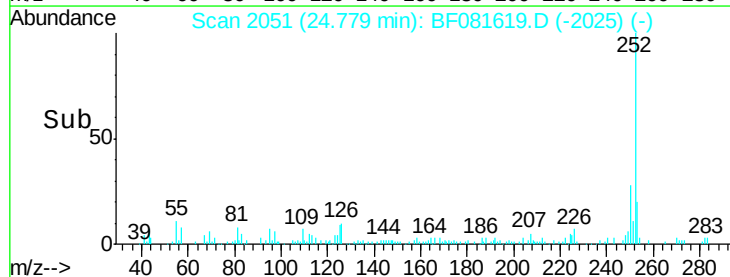
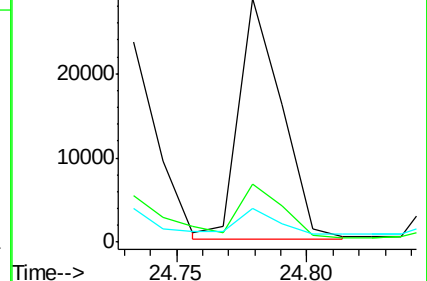
125 13.9 18.0 27.0#

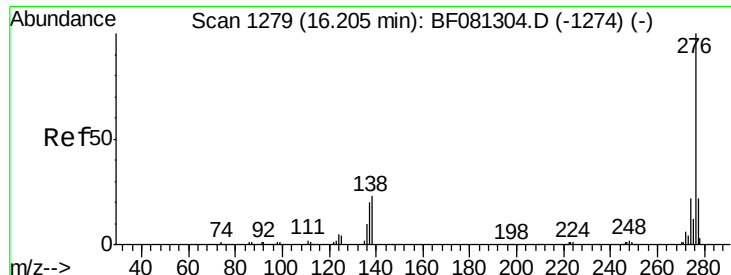


Abundance Ion 252.00 (251.70 to 252.70): E

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: 4.64 ng

RT: 26.20 min Scan# 2175

Delta R.T. 0.01 min

Lab File: BF081619.D

Acq: 14 Sep 2015 21:53

Instrument :

BNA_F

ClientSampleId :

GP-13(0-5)

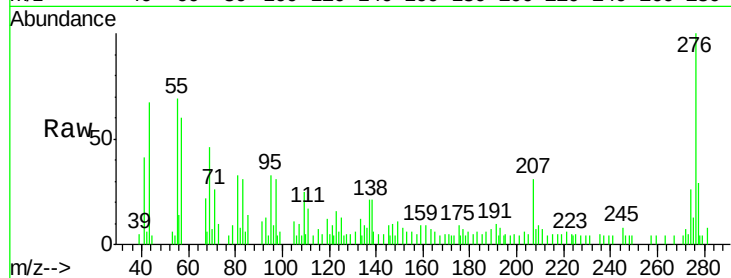
Tgt Ion: 276 Resp: 15003

Ion Ratio Lower Upper

276 100

277 29.5 17.8 26.6#

138 20.6 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

