

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091515\
 Data File : BF081629.D
 Acq On : 15 Sep 2015 14:48
 Operator : UM/IZ
 Sample : G3597-08RE 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-8(0-5)

Quant Time: Sep 15 15:45:57 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 15 14:03:59 2015
 Response via : Initial Calibration

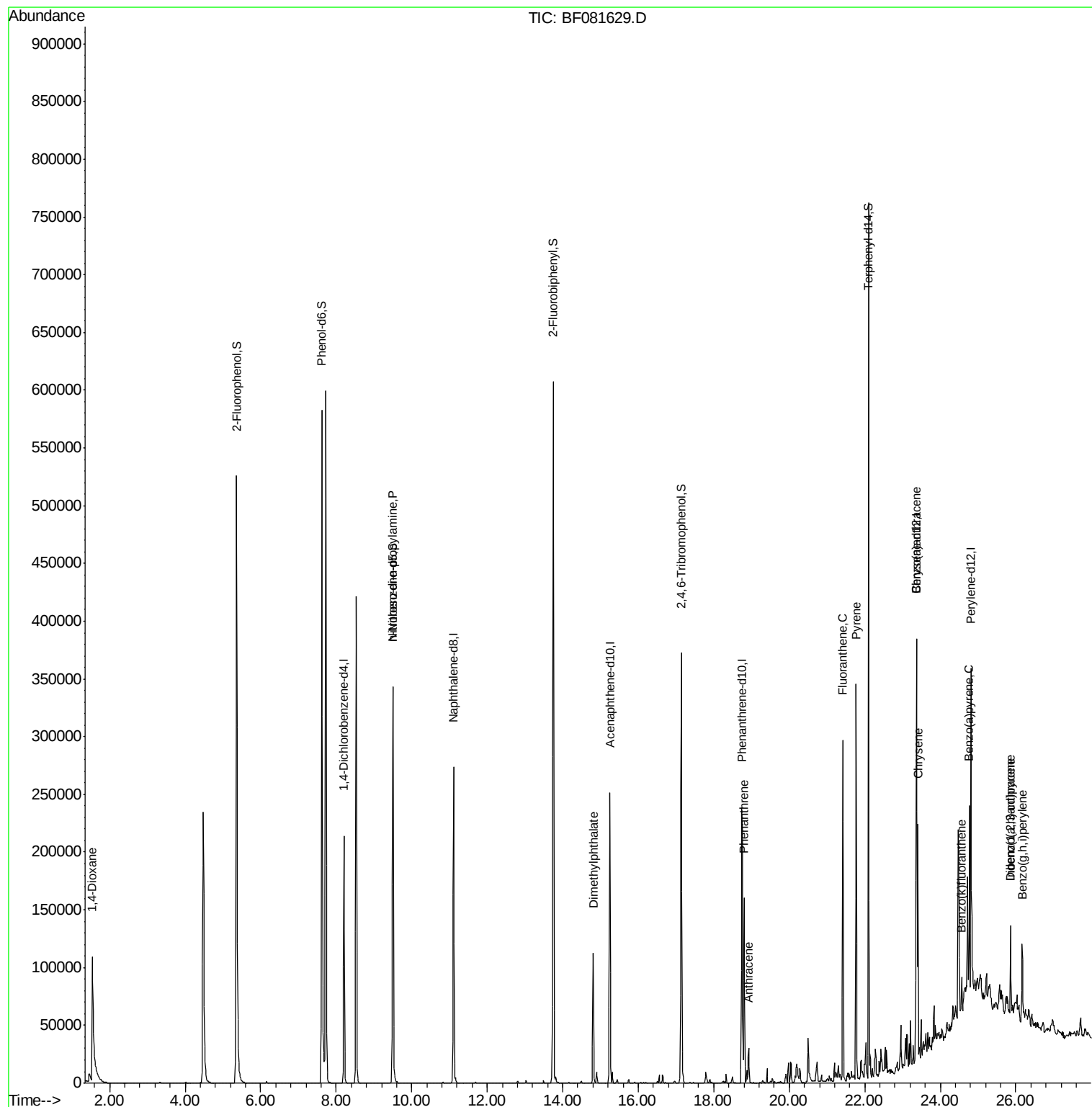
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	50498	20.00	ng	-0.01
21) Naphthalene-d8	11.11	136	201907	20.00	ng	-0.01
38) Acenaphthene-d10	15.25	164	95501	20.00	ng	-0.01
63) Phenanthrene-d10	18.74	188	177850	20.00	ng	-0.01
75) Chrysene-d12	23.37	240	110217	20.00	ng	-0.01
86) Perylene-d12	24.81	264	96531	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	241928	74.33	ng	0.01
7) Phenol-d6	7.62	99	332905	77.27	ng	-0.02
23) Nitrobenzene-d5	9.50	82	221168	52.85	ng	-0.03
41) 2,4,6-Tribromophenol	17.14	330	59664	70.16	ng	-0.02
44) 2-Fluorobiphenyl	13.75	172	359206	48.20	ng	-0.02
78) Terphenyl-d14	22.10	244	260444	55.01	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	1.54	88	5623	3.85	ng	# 11
19) n-Nitroso-di-n-propylamine	9.50	70	30054	10.25	ng	# 65
49) Dimethylphthalate	14.81	163	87242	11.76	ng	# 96
70) Phenanthrene	18.80	178	108057	10.93	ng	98
71) Anthracene	18.93	178	24201	2.38	ng	96
74) Fluoranthene	21.42	202	192480	17.98	ng	91
77) Pyrene	21.77	202	176874	21.66	ng	96
80) Benzo(a)anthracene	23.37	228	76315	10.87	ng	96
82) Chrysene	23.41	228	70631	11.23	ng	95
85) Indeno(1,2,3-cd)pyrene	25.87	276	43023	9.32	ng	# 88
88) Benzo(k)fluoranthene	24.56	252	13105	2.29	ng	93
89) Benzo(a)pyrene	24.77	252	63602	10.89	ng	# 83
90) Dibenzo(a,h)anthracene	25.87	278	9227	2.04	ng	# 80
91) Benzo(g,h,i)perylene	26.16	276	44224	10.27	ng	# 75

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 601

Delta R.T. -0.01 min

Lab File: BF081629.D

Acq: 15 Sep 2015 14:48

Instrument :

BNA_F

ClientSampleId :

GP-8(0-5)

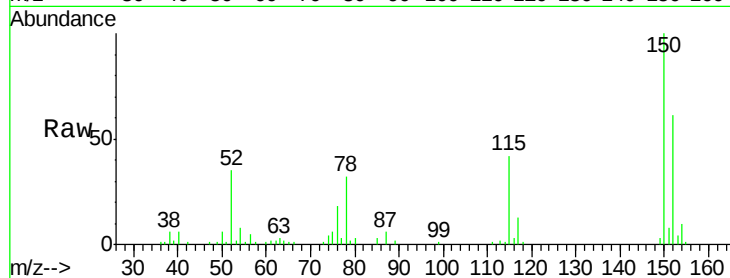
Tgt Ion:152 Resp: 50498

Ion Ratio Lower Upper

152 100

150 162.7 124.7 187.1

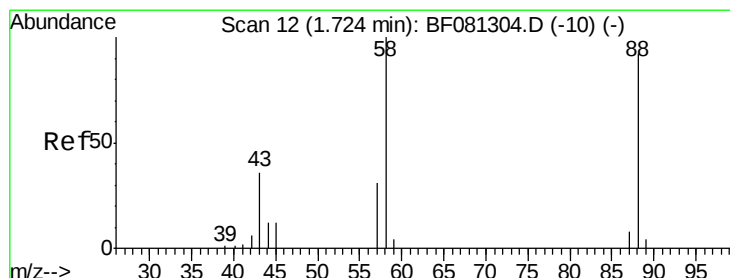
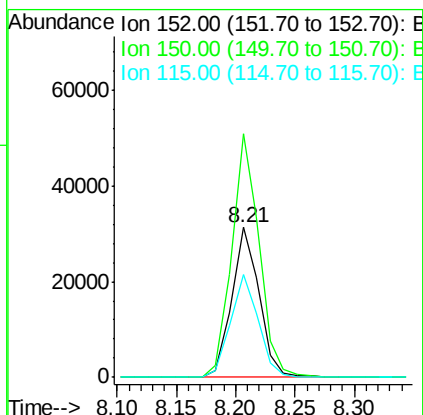
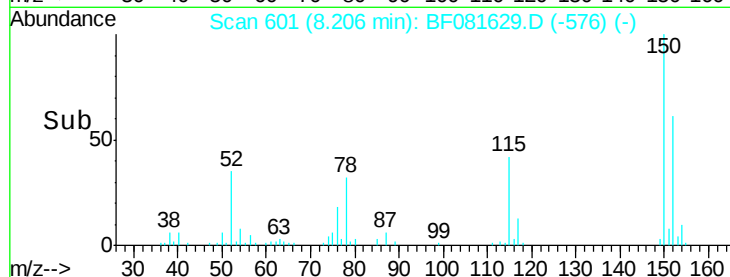
115 68.8 39.0 58.4#



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: 3.85 ng

RT: 1.54 min Scan# 18

Delta R.T. -0.02 min

Lab File: BF081629.D

Acq: 15 Sep 2015 14:48

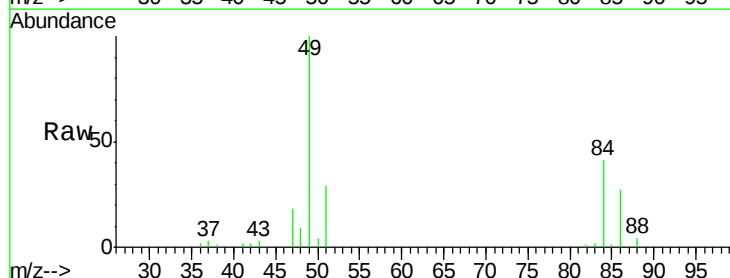
Tgt Ion: 88 Resp: 5623

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

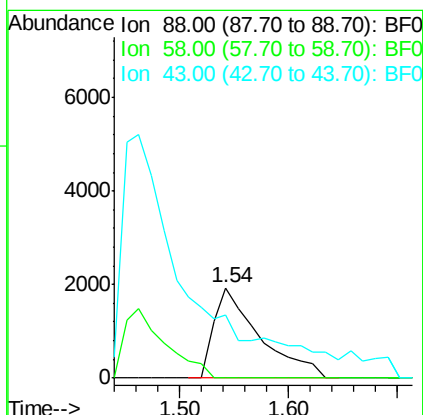
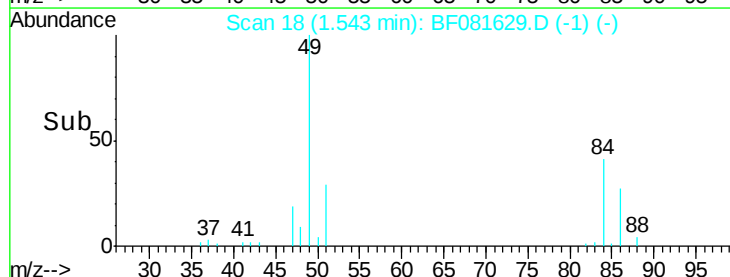
43 0.0 26.6 40.0#



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: 74.33 ng

RT: 5.36 min Scan# 352

Delta R.T. 0.01 min

Lab File: BF081629.D

Acq: 15 Sep 2015 14:48

Instrument :

BNA_F

ClientSampleId :

GP-8(0-5)

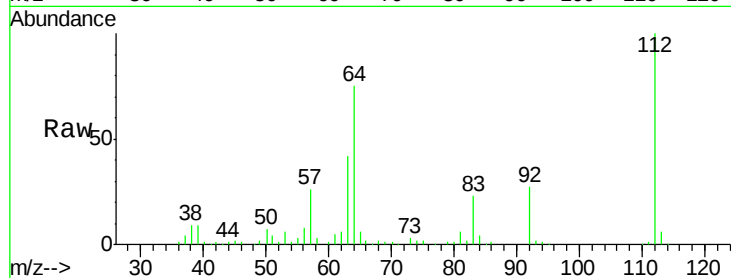
Tgt Ion: 112 Resp: 241928

Ion Ratio Lower Upper

112 100

64 75.0 39.7 59.5#

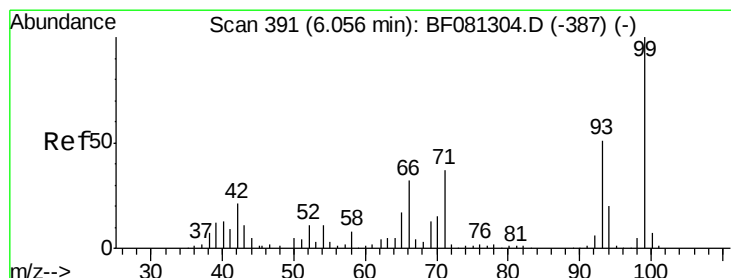
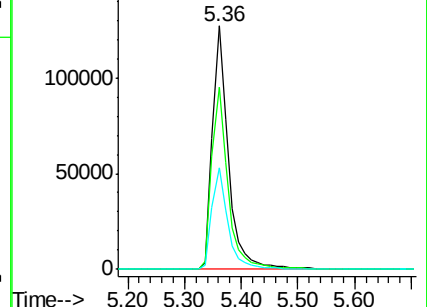
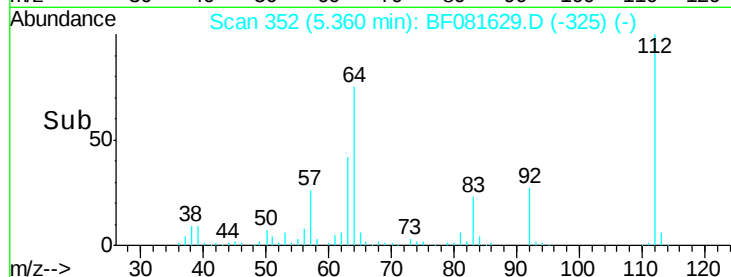
63 42.0 17.4 26.0#



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: 77.27 ng

RT: 7.62 min Scan# 550

Delta R.T. -0.02 min

Lab File: BF081629.D

Acq: 15 Sep 2015 14:48

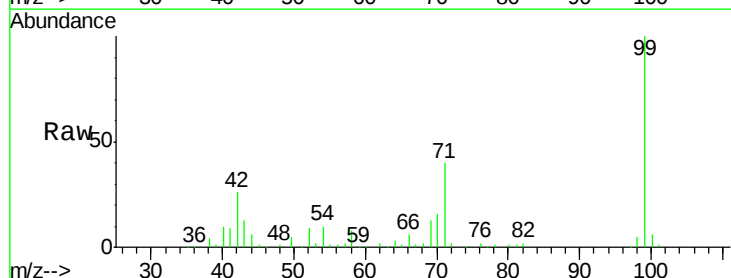
Tgt Ion: 99 Resp: 332905

Ion Ratio Lower Upper

99 100

42 25.9 13.7 20.5#

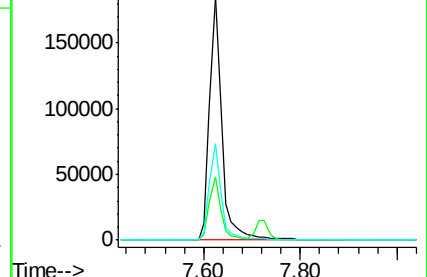
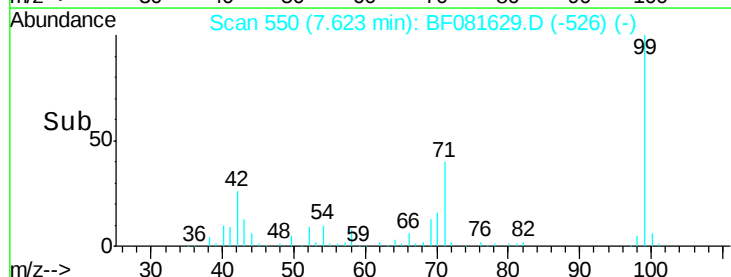
71 39.8 14.2 21.2#

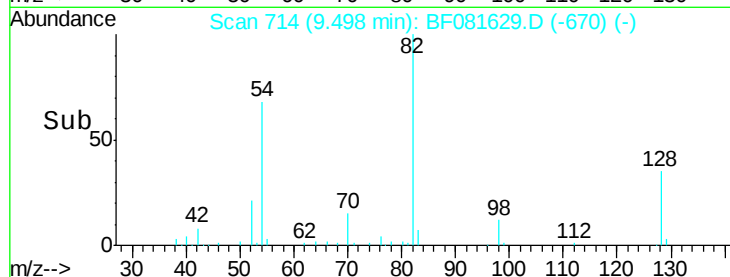
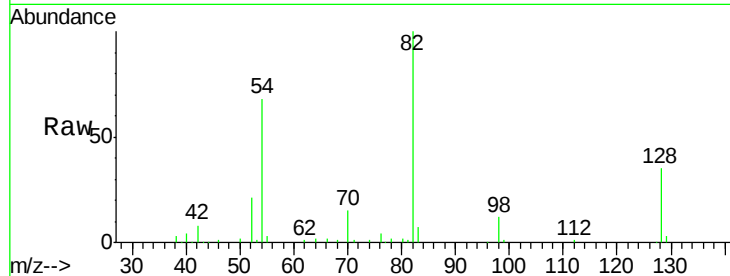
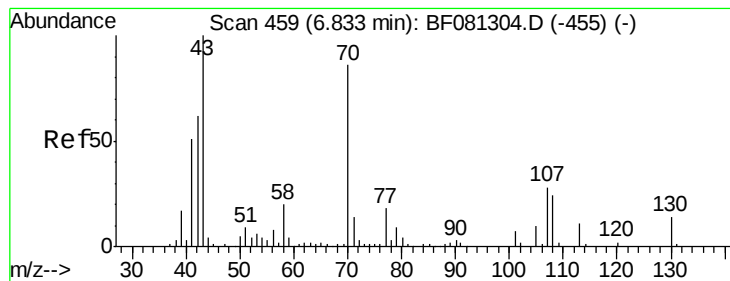


Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 10.25 ng

RT: 9.50 min Scan# 714

Delta R.T. 0.21 min

Lab File: BF081629.D

Acq: 15 Sep 2015 14:48

Instrument :

BNA_F

ClientSampleId :

GP-8(0-5)

Tgt Ion: 70 Resp: 30054

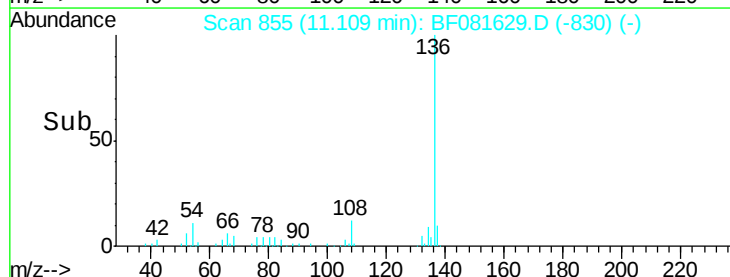
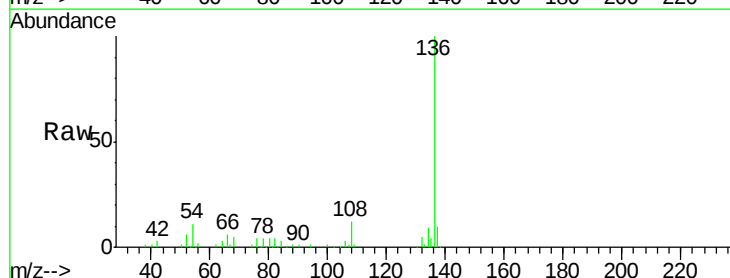
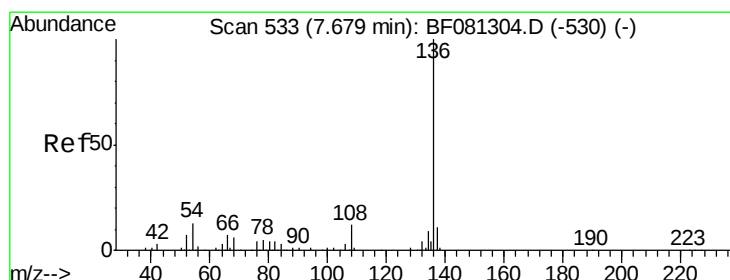
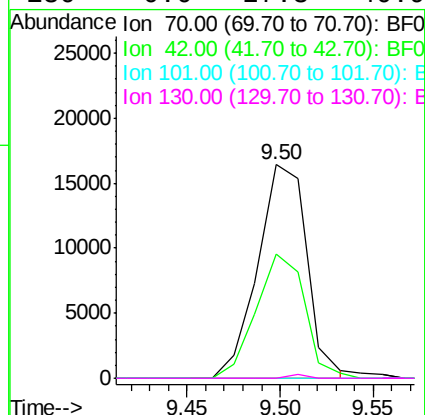
Ion Ratio Lower Upper

70 100

42 58.0 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: 11.11 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF081629.D

Acq: 15 Sep 2015 14:48

Tgt Ion: 136 Resp: 201907

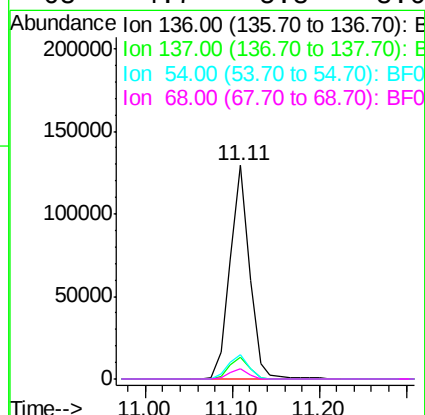
Ion Ratio Lower Upper

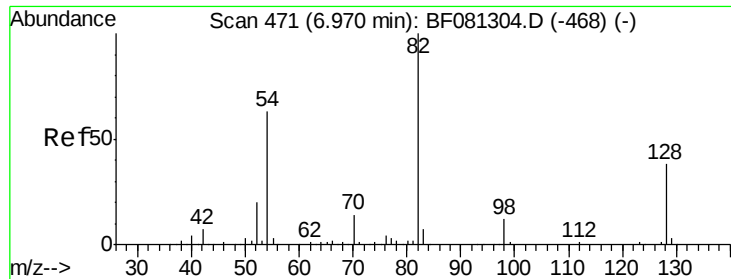
136 100

137 10.3 9.0 13.6

54 11.4 8.2 12.2

68 4.7 5.8 8.6#

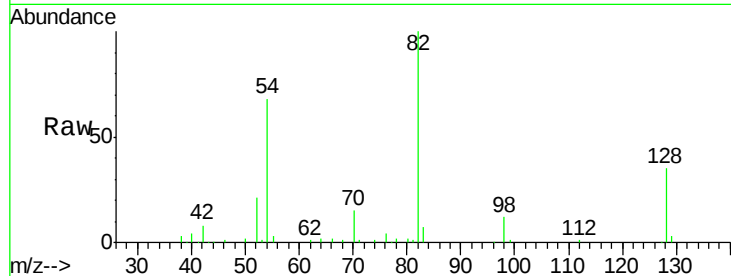




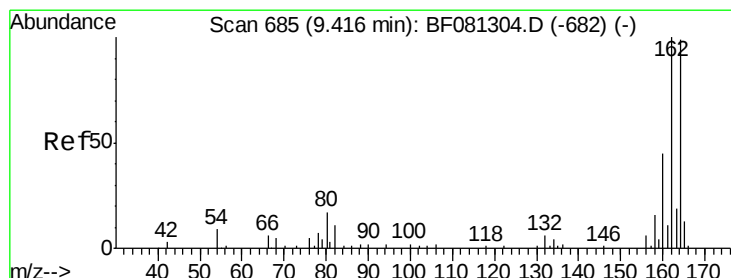
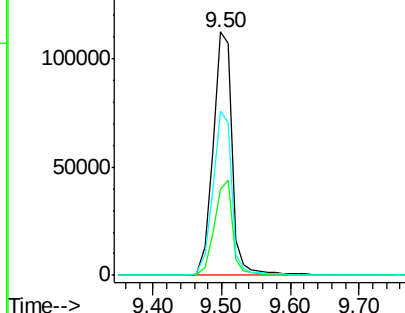
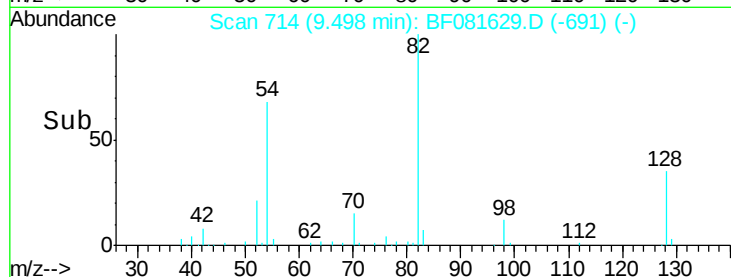
#23
 Nitrobenzene-d5
 Concen: 52.85 ng
 RT: 9.50 min Scan# 714
 Delta R.T. -0.03 min
 Lab File: BF081629.D
 Acq: 15 Sep 2015 14:48

Instrument :
 BNA_F
 ClientSampleId :
 GP-8(0-5)

Tgt Ion: 82 Resp: 221168
 Ion Ratio Lower Upper
 82 100
 128 35.2 51.0 76.6#
 54 67.7 47.5 71.3

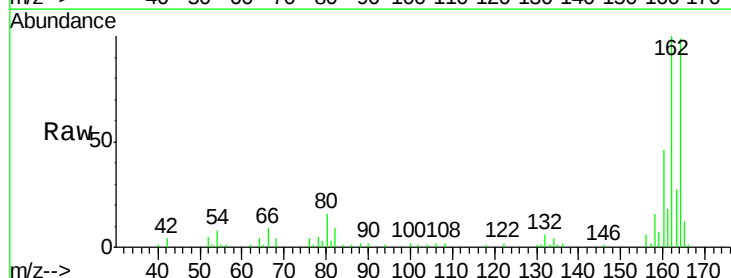


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

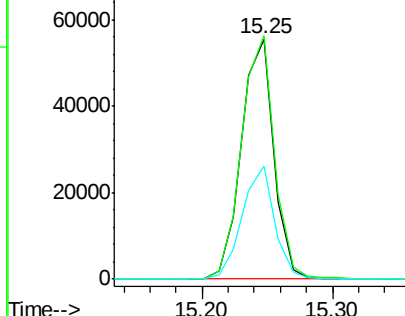
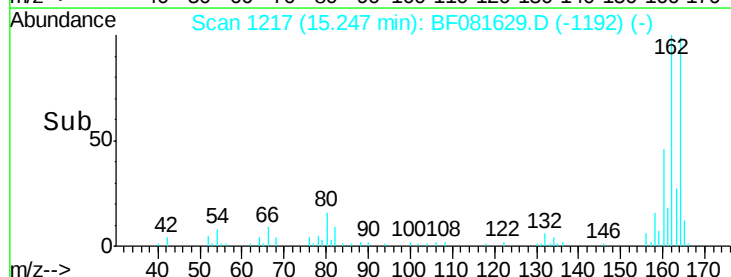


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF081629.D
 Acq: 15 Sep 2015 14:48

Tgt Ion: 164 Resp: 95501
 Ion Ratio Lower Upper
 164 100
 162 101.4 75.2 112.8
 160 47.0 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

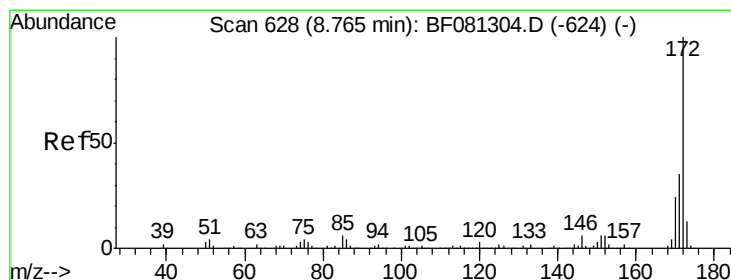
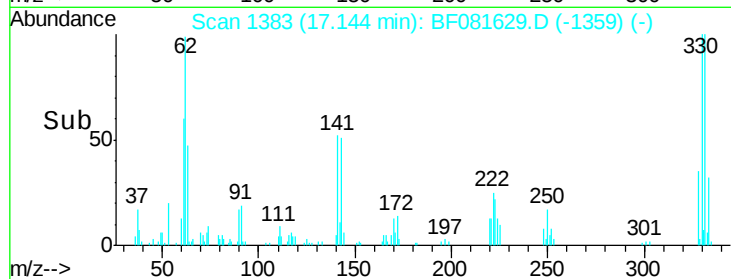
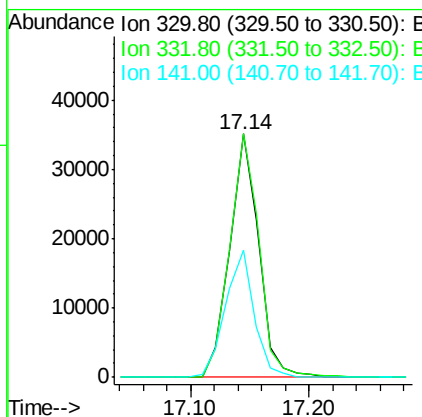
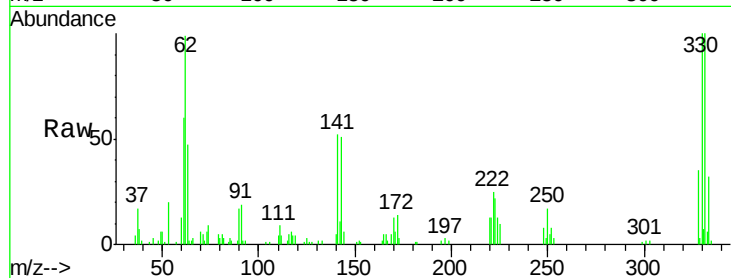




#41
 2,4,6-Tribromophenol
 Concen: 70.16 ng
 RT: 17.14 min Scan# 1383
 Delta R.T. -0.02 min
 Lab File: BF081629.D
 Acq: 15 Sep 2015 14:48

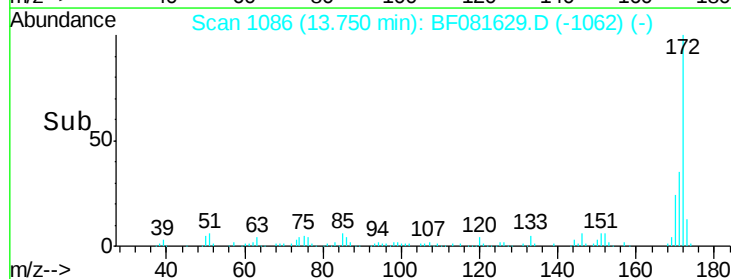
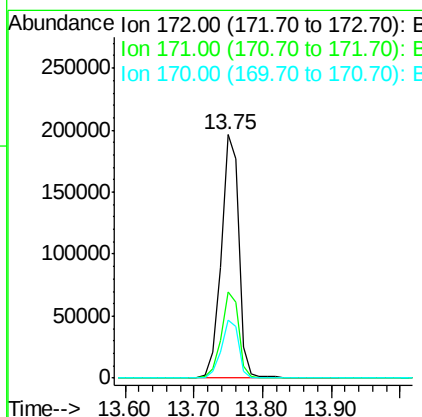
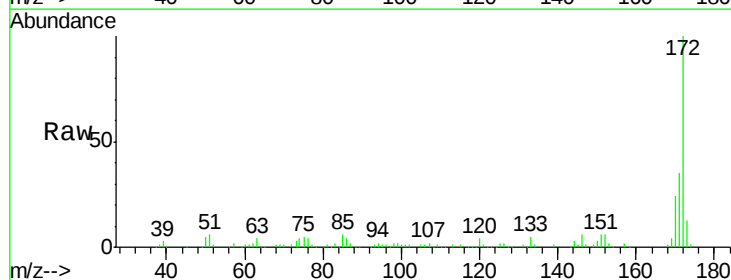
Instrument :
 BNA_F
 ClientSampleId :
 GP-8(0-5)

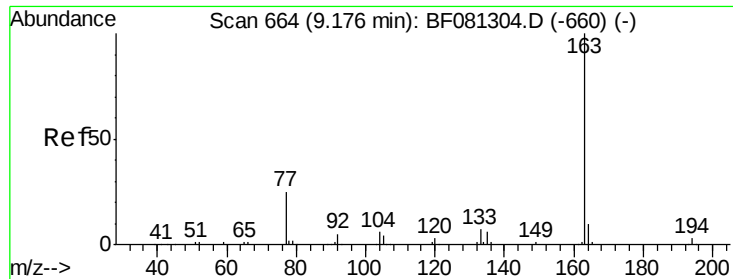
Tgt Ion:330 Resp: 59664
 Ion Ratio Lower Upper
 330 100
 332 101.2 76.6 114.8
 141 51.7 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 48.20 ng
 RT: 13.75 min Scan# 1086
 Delta R.T. -0.02 min
 Lab File: BF081629.D
 Acq: 15 Sep 2015 14:48

Tgt Ion:172 Resp: 359206
 Ion Ratio Lower Upper
 172 100
 171 35.4 26.1 39.1
 170 23.7 17.4 26.2





#49

Dimethylphthalate

Concen: 11.76 ng

RT: 14.81 min Scan# 1179

Delta R.T. -0.05 min

Lab File: BF081629.D

Acq: 15 Sep 2015 14:48

Instrument :

BNA_F

ClientSampleId :

GP-8(0-5)

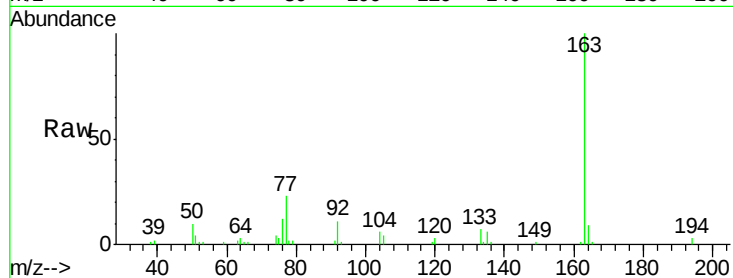
Tgt Ion:163 Resp: 87242

Ion Ratio Lower Upper

163 100

194 3.2 4.4 6.6#

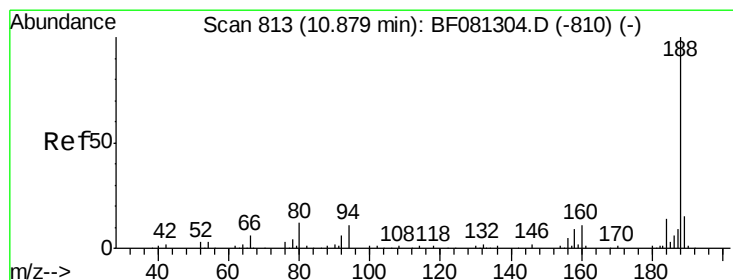
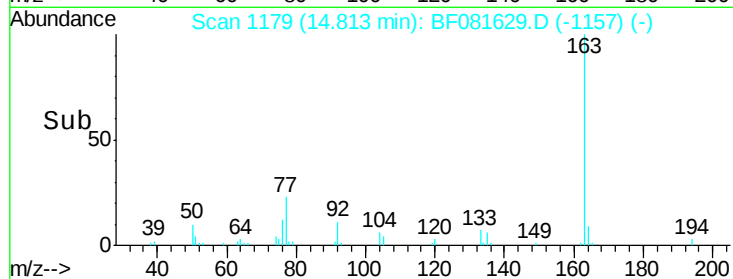
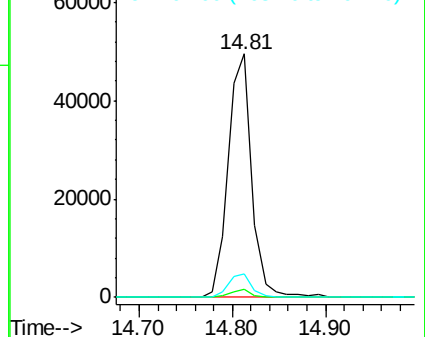
164 9.5 8.3 12.5



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: 18.74 min Scan# 1523

Delta R.T. -0.01 min

Lab File: BF081629.D

Acq: 15 Sep 2015 14:48

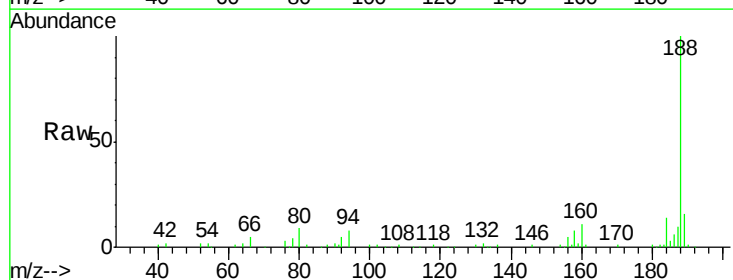
Tgt Ion:188 Resp: 177850

Ion Ratio Lower Upper

188 100

94 8.3 11.1 16.7#

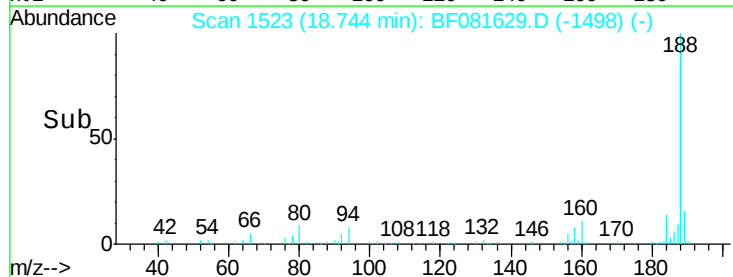
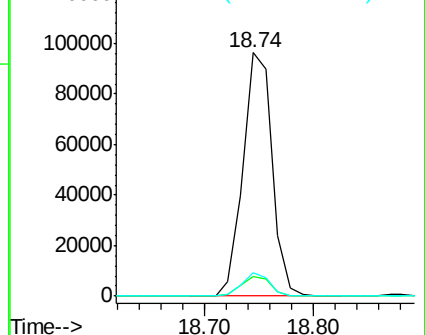
80 9.4 11.0 16.4#

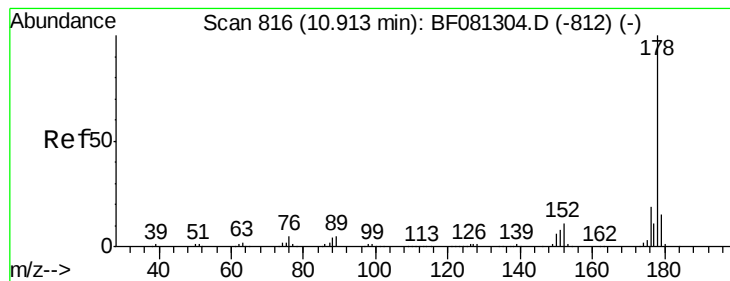


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 10.93 ng

RT: 18.80 min Scan# 1528

Delta R.T. -0.02 min

Lab File: BF081629.D

Acq: 15 Sep 2015 14:48

Instrument :

BNA_F

ClientSampleId :

GP-8(0-5)

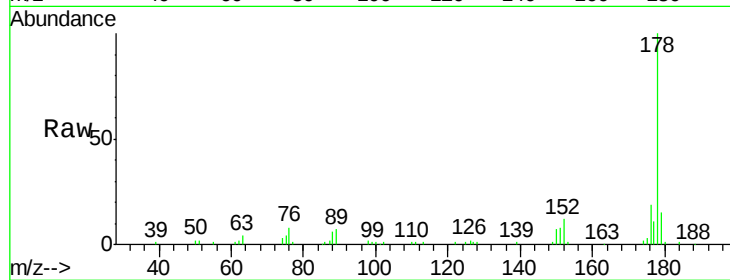
Tgt Ion:178 Resp: 108057

Ion Ratio Lower Upper

178 100

176 19.1 13.8 20.8

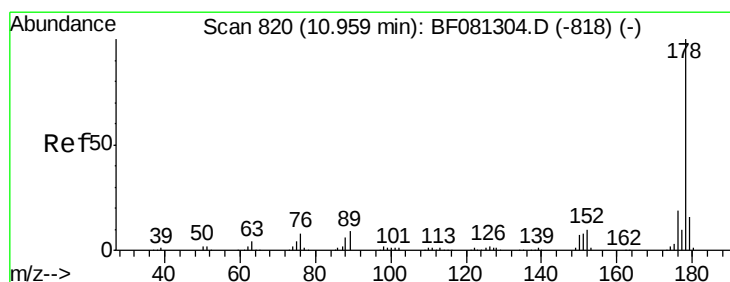
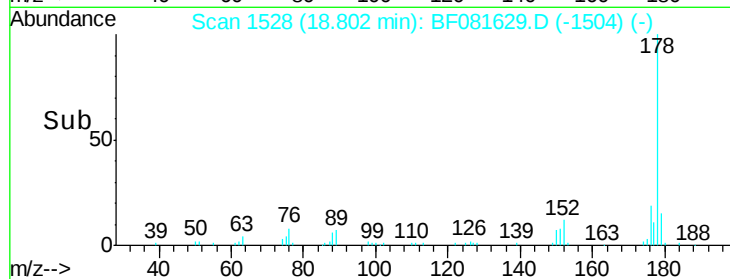
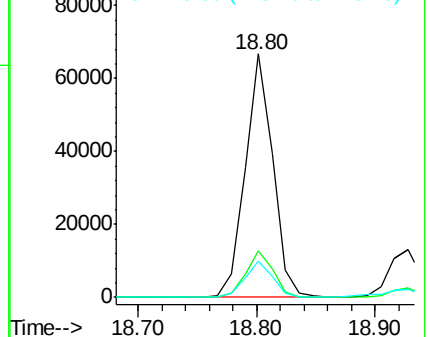
179 15.1 12.2 18.2



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



#71

Anthracene

Concen: 2.38 ng

RT: 18.93 min Scan# 1539

Delta R.T. -0.02 min

Lab File: BF081629.D

Acq: 15 Sep 2015 14:48

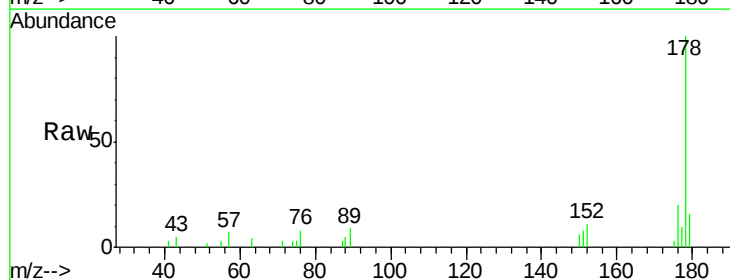
Tgt Ion:178 Resp: 24201

Ion Ratio Lower Upper

178 100

176 19.6 14.1 21.1

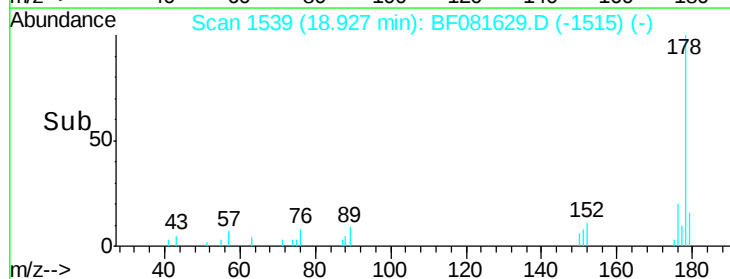
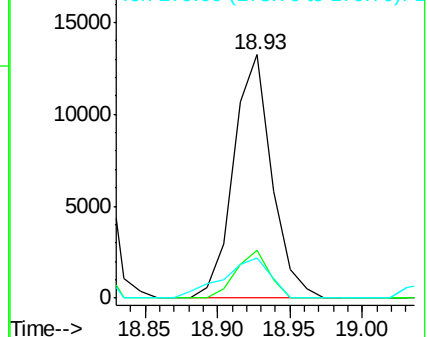
179 16.4 12.2 18.2

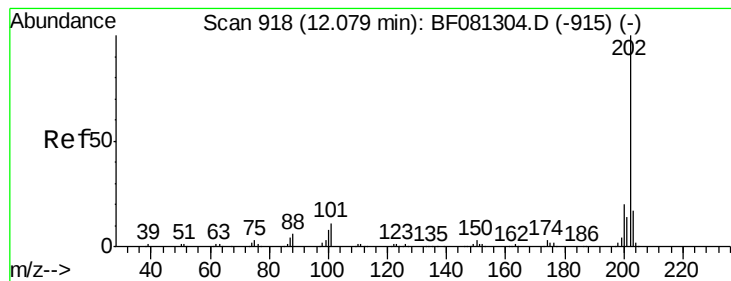


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 17.98 ng

RT: 21.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF081629.D

Acq: 15 Sep 2015 14:48

Instrument :

BNA_F

ClientSampleId :

GP-8(0-5)

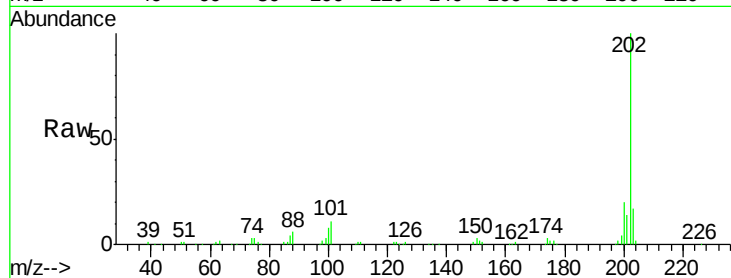
Tgt Ion: 202 Resp: 192480

Ion Ratio Lower Upper

202 100

101 10.5 0.0 38.3

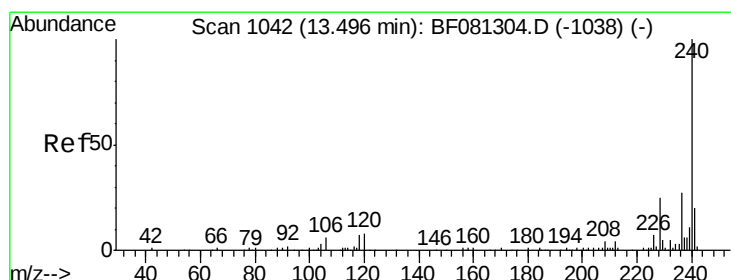
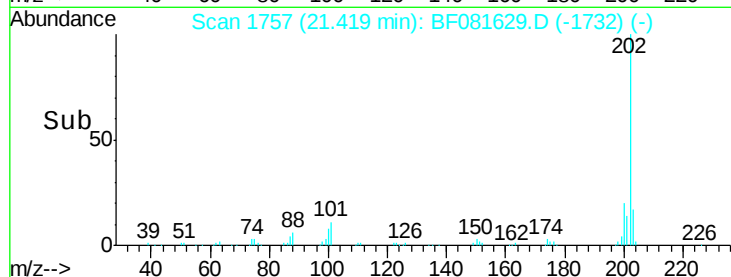
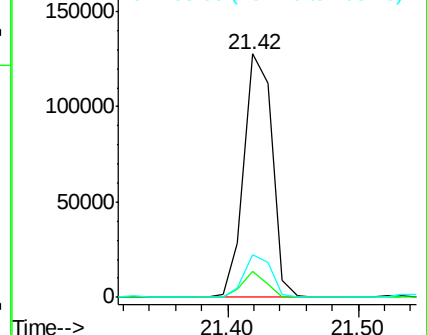
203 17.3 0.0 37.3



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: 23.37 min Scan# 1928

Delta R.T. -0.01 min

Lab File: BF081629.D

Acq: 15 Sep 2015 14:48

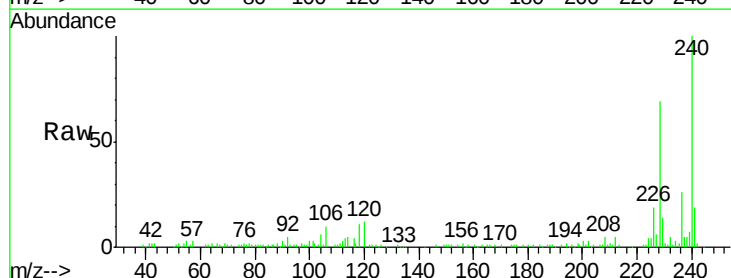
Tgt Ion: 240 Resp: 110217

Ion Ratio Lower Upper

240 100

120 12.5 16.2 24.2#

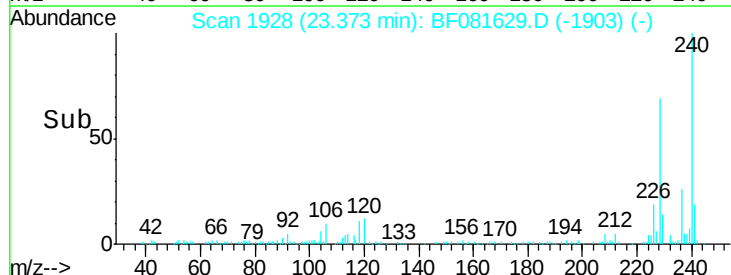
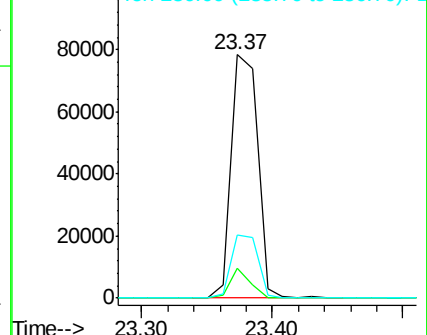
236 26.1 18.4 27.6

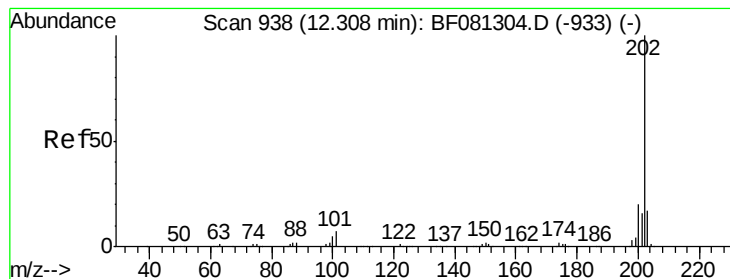


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 21.66 ng

RT: 21.77 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BF081629.D

Acq: 15 Sep 2015 14:48

Instrument :

BNA_F

ClientSampleId :

GP-8(0-5)

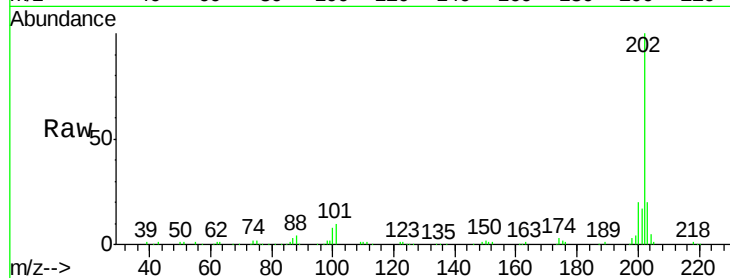
Tgt Ion:202 Resp: 176874

Ion Ratio Lower Upper

202 100

200 20.2 15.0 22.4

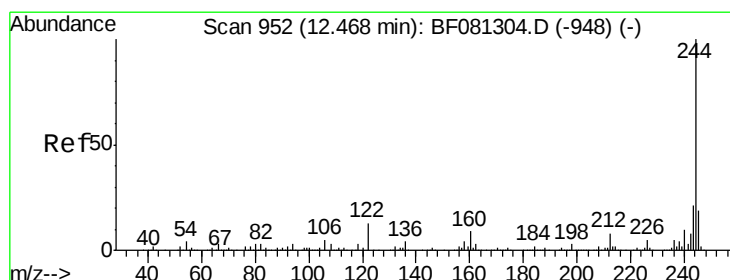
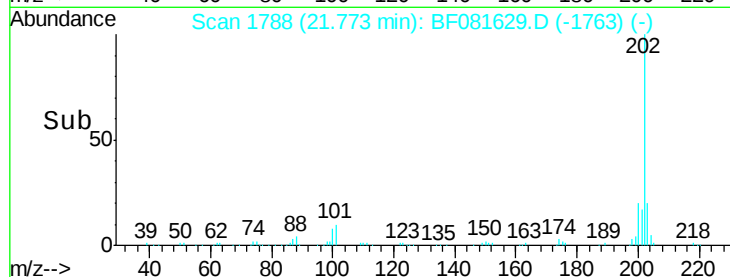
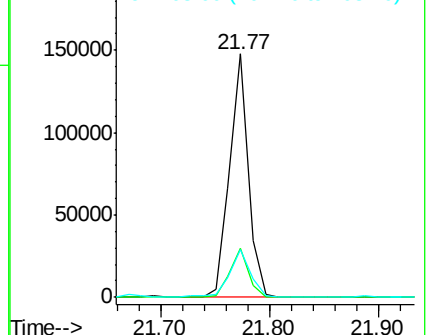
203 19.5 14.1 21.1



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: 55.01 ng

RT: 22.10 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF081629.D

Acq: 15 Sep 2015 14:48

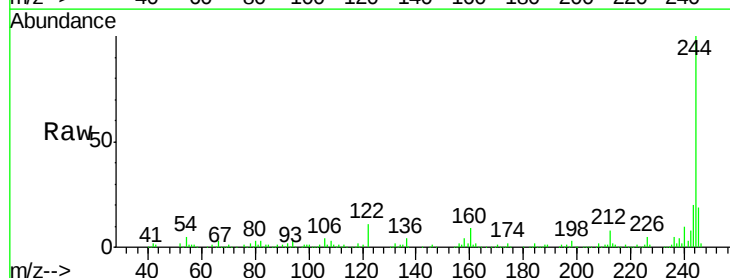
Tgt Ion:244 Resp: 260444

Ion Ratio Lower Upper

244 100

212 8.0 4.3 6.5#

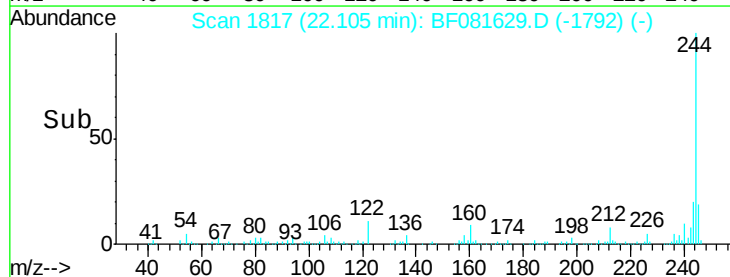
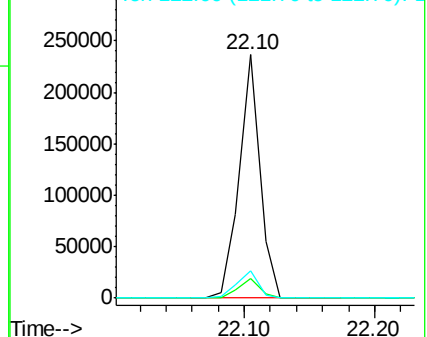
122 11.1 17.4 26.2#

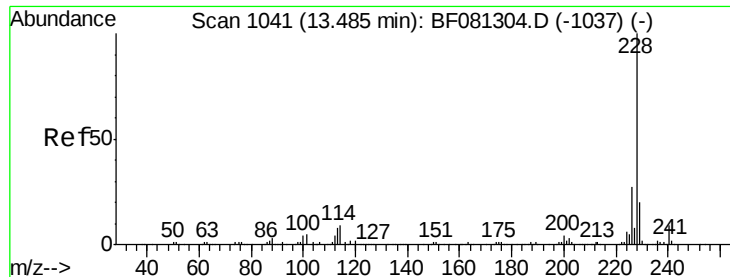


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 10.87 ng

RT: 23.37 min Scan# 1928

Delta R.T. 0.00 min

Lab File: BF081629.D

Acq: 15 Sep 2015 14:48

Instrument :

BNA_F

ClientSampleId :

GP-8(0-5)

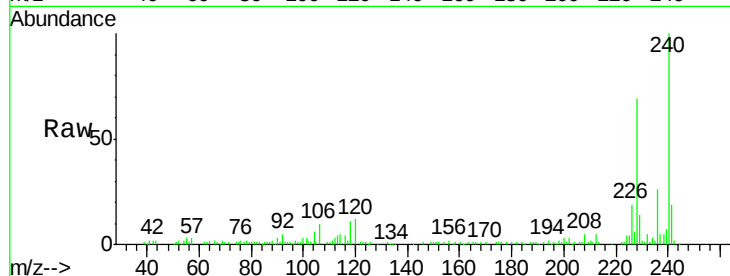
Tgt Ion:228 Resp: 76315

Ion Ratio Lower Upper

228 100

226 27.1 20.0 30.0

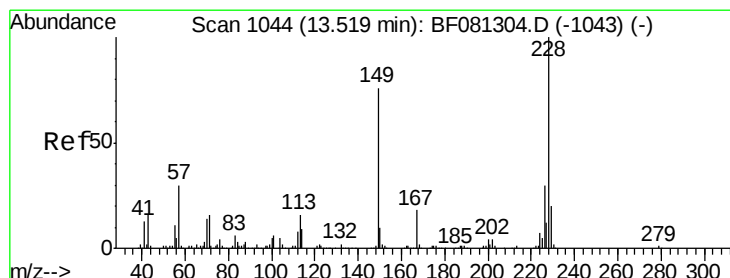
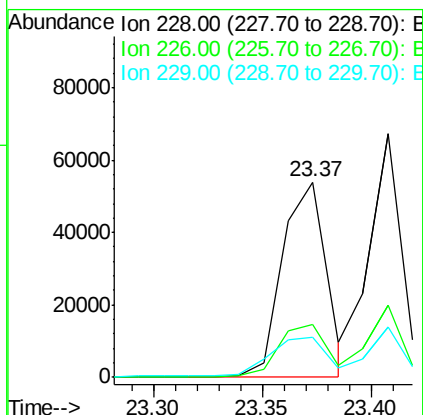
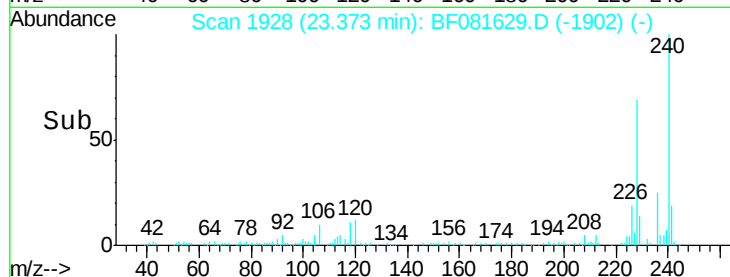
229 20.7 15.4 23.2



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: 11.23 ng

RT: 23.41 min Scan# 1931

Delta R.T. -0.01 min

Lab File: BF081629.D

Acq: 15 Sep 2015 14:48

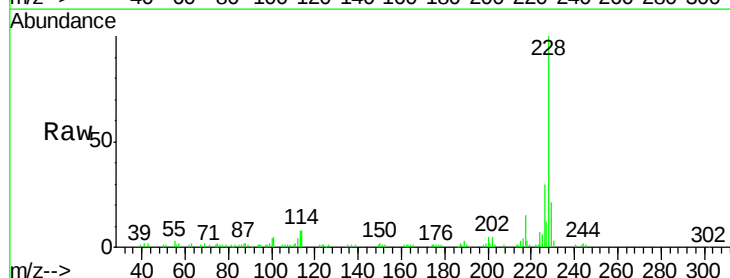
Tgt Ion:228 Resp: 70631

Ion Ratio Lower Upper

228 100

226 29.8 21.0 31.4

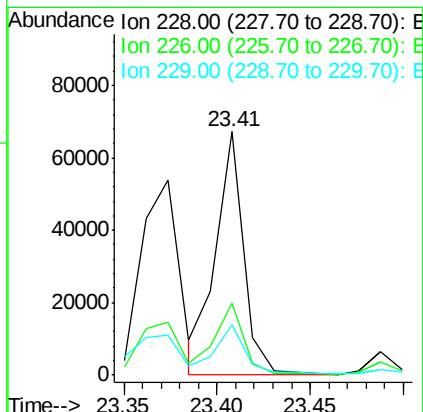
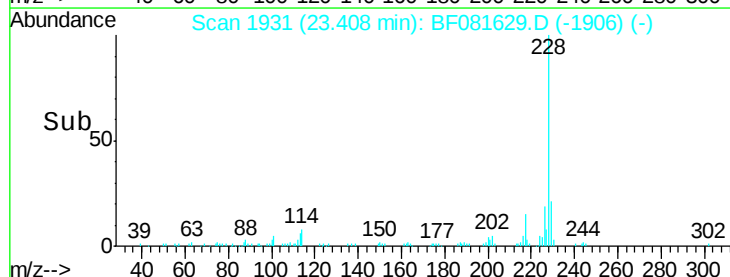
229 20.8 15.6 23.4

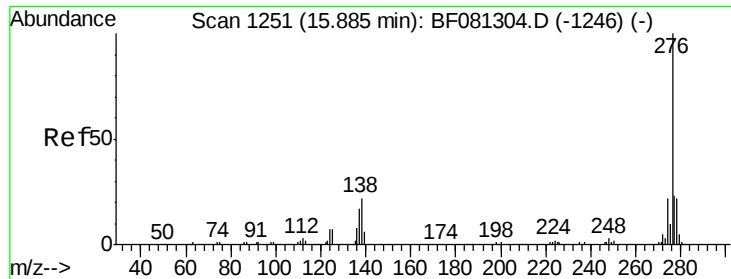


Abundance Ion 228.00 (227.70 to 228.70): E

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: 9.32 ng

RT: 25.87 min Scan# 2146

Delta R.T. -0.01 min

Lab File: BF081629.D

Acq: 15 Sep 2015 14:48

Instrument :

BNA_F

ClientSampleId :

GP-8(0-5)

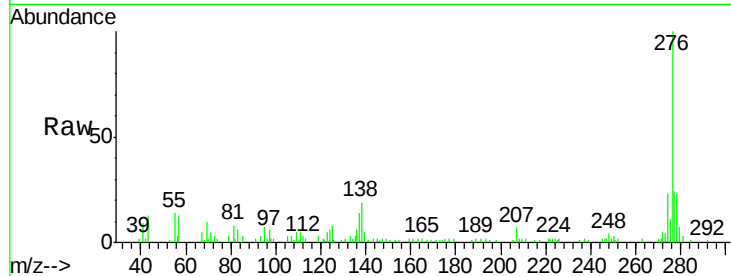
Tgt Ion:276 Resp: 43023

Ion Ratio Lower Upper

276 100

138 23.1 25.7 38.5#

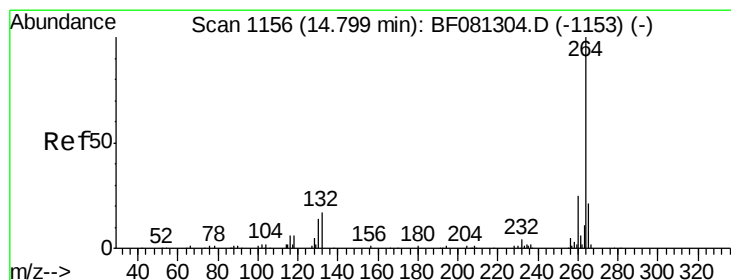
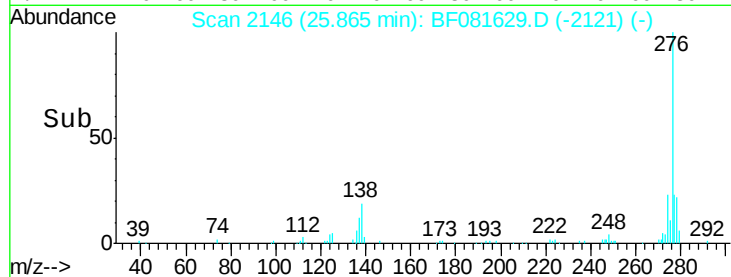
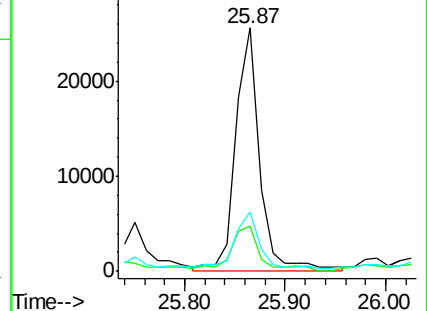
277 22.1 15.6 23.4



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: 24.81 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BF081629.D

Acq: 15 Sep 2015 14:48

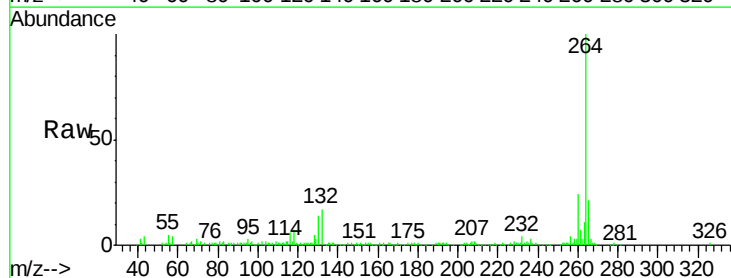
Tgt Ion:264 Resp: 96531

Ion Ratio Lower Upper

264 100

260 23.9 16.7 25.1

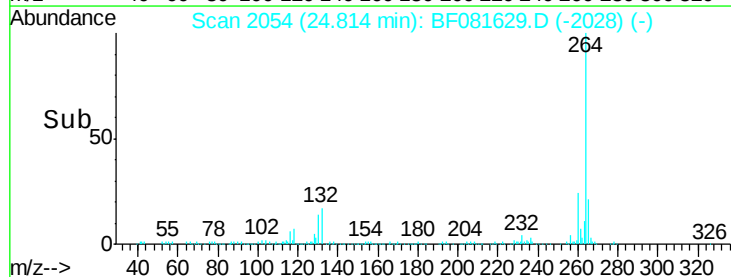
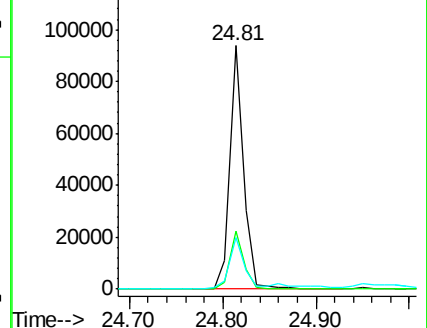
265 21.3 17.2 25.8

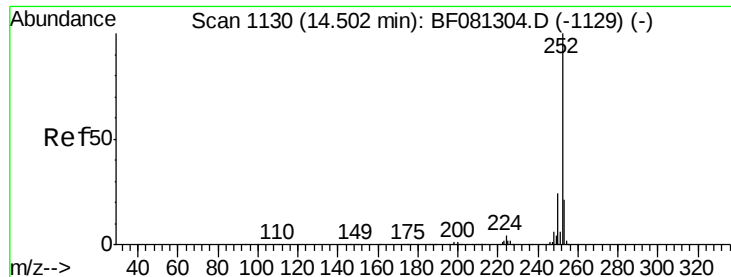


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

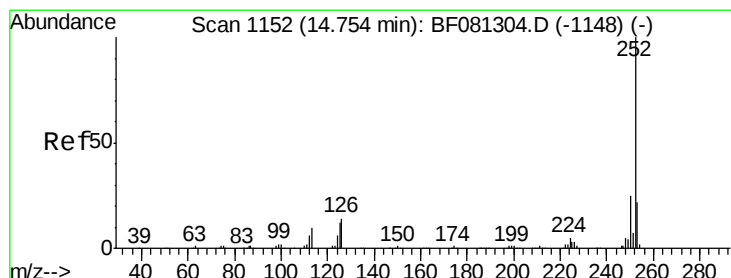
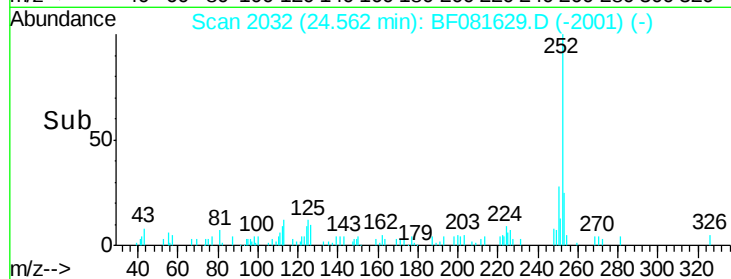
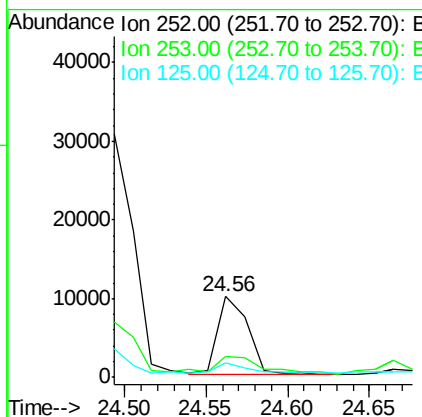
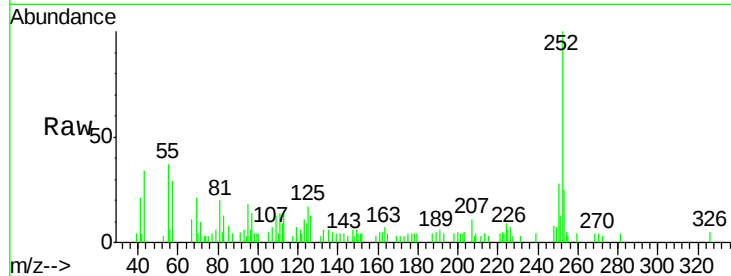




#88
Benzo(k)fluoranthene
Concen: 2.29 ng
RT: 24.56 min Scan# 2032
Delta R.T. 0.06 min
Lab File: BF081629.D
Acq: 15 Sep 2015 14:48

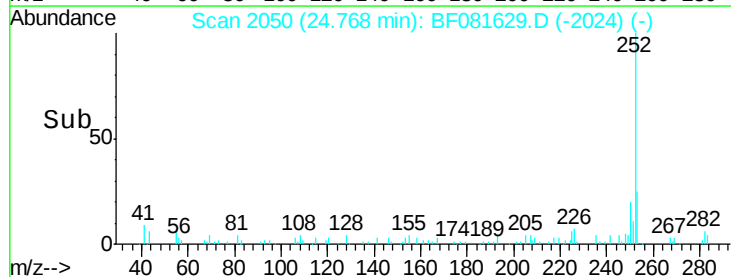
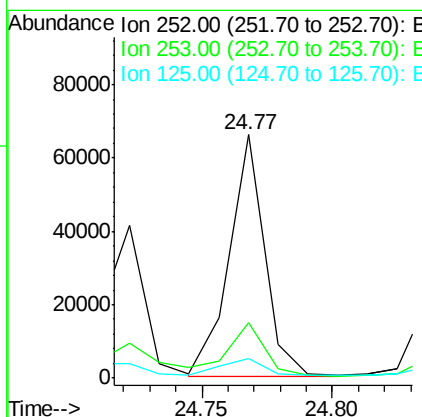
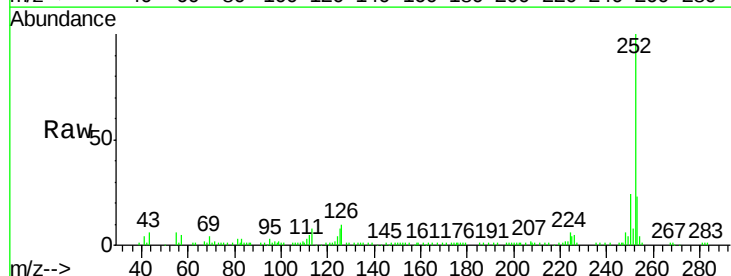
Instrument :
BNA_F
ClientSampleId :
GP-8(0-5)

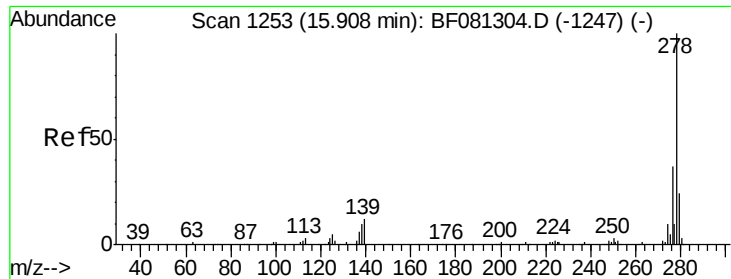
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.0	25.4
125	17.2	16.0	24.0



#89
Benzo(a)pyrene
Concen: 10.89 ng
RT: 24.77 min Scan# 2050
Delta R.T. 0.00 min
Lab File: BF081629.D
Acq: 15 Sep 2015 14:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	8.2	18.0	27.0#





#90

Dibenzo(a,h)anthracene

Concen: 2.04 ng

RT: 25.87 min Scan# 2146

Delta R.T. -0.02 min

Lab File: BF081629.D

Acq: 15 Sep 2015 14:48

Instrument :

BNA_F

ClientSampleId :

GP-8(0-5)

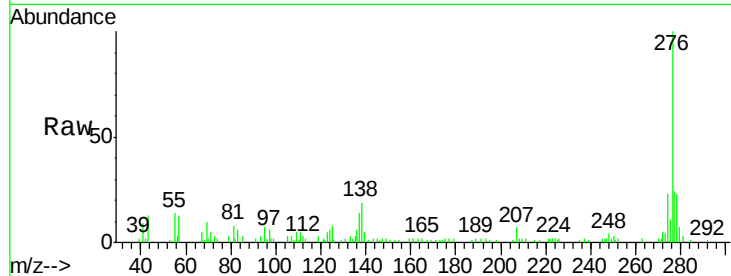
Tgt Ion:278 Resp: 9227

Ion Ratio Lower Upper

278 100

139 19.9 26.3 39.5#

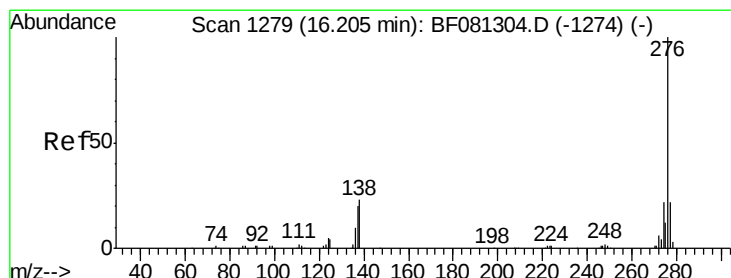
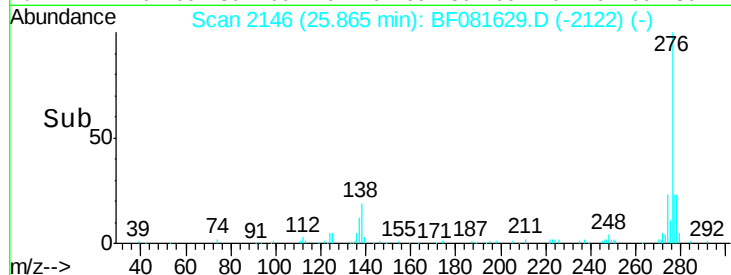
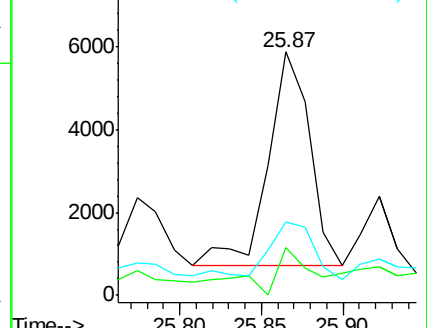
279 30.3 18.2 27.4#



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: 10.27 ng

RT: 26.16 min Scan# 2172

Delta R.T. -0.01 min

Lab File: BF081629.D

Acq: 15 Sep 2015 14:48

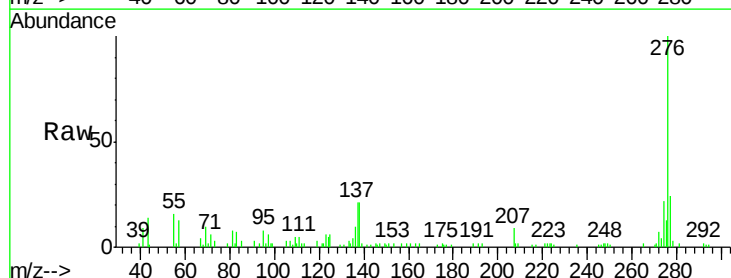
Tgt Ion:276 Resp: 44224

Ion Ratio Lower Upper

276 100

277 24.3 17.8 26.6

138 20.8 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

