

Data Path : Z:\HPCHEM1\BNA_F\Data\BF011215\
 Data File : BF076826.D
 Acq On : 13 Jan 2015 3:01
 Operator : IZ / TP
 Sample : G1062-03
 Misc : S
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW-013

Quant Time: Jan 13 04:12:11 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 12 10:43:48 2015
 Response via : Initial Calibration

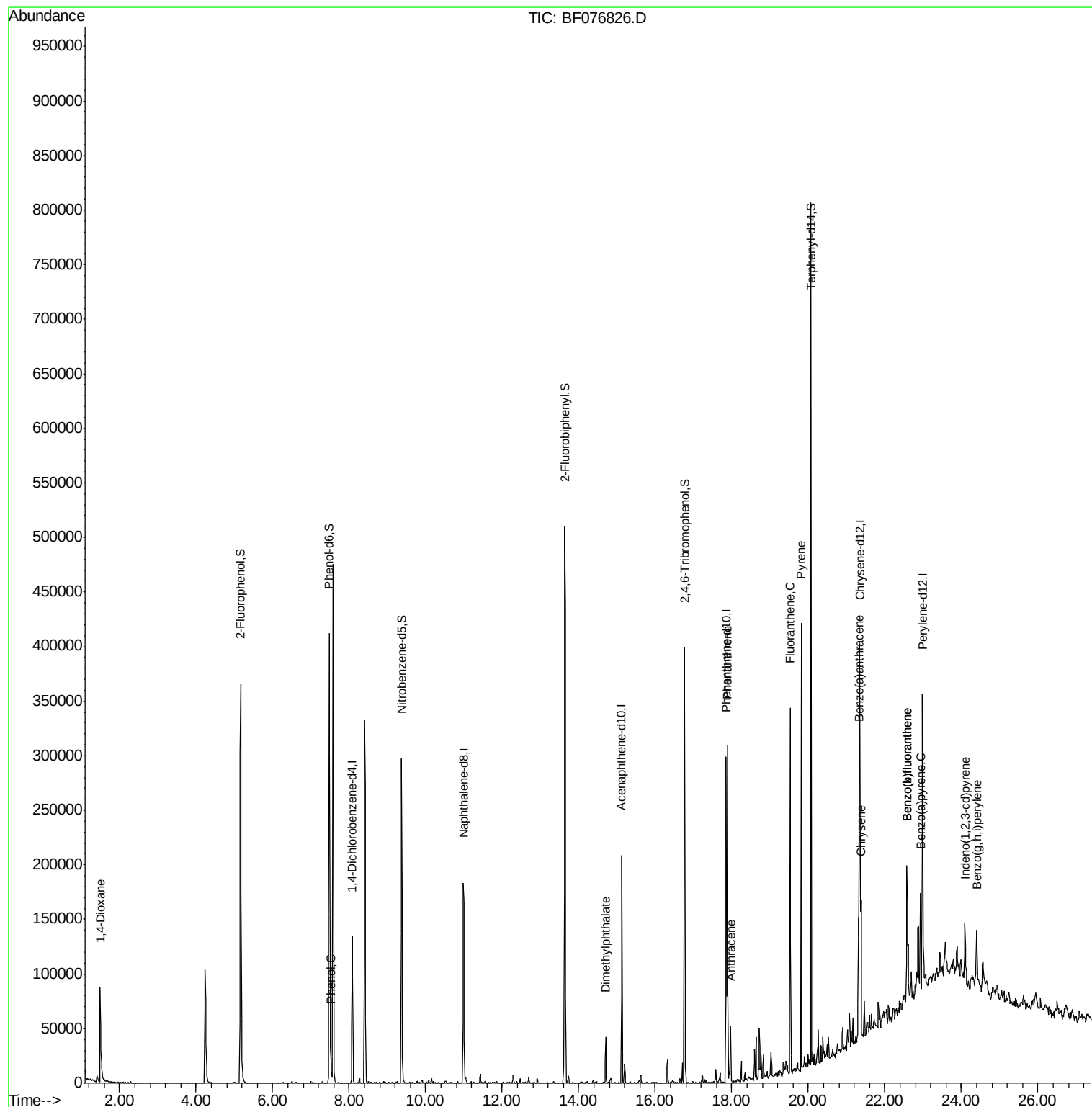
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	34222	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	153557	20.00	ng	-0.01
38) Acenaphthene-d10	15.12	164	81918	20.00	ng	-0.01
63) Phenanthrene-d10	17.85	188	128742	20.00	ng	0.00
75) Chrysene-d12	21.34	240	121311	20.00	ng	-0.01
86) Perylene-d12	22.99	264	111832	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	190383	92.83	ng	-0.01
7) Phenol-d6	7.48	99	243463	94.30	ng	-0.02
23) Nitrobenzene-d5	9.37	82	145960	52.82	ng	-0.01
41) 2,4,6-Tribromophenol	16.77	330	53893	78.82	ng	-0.01
44) 2-Fluorobiphenyl	13.64	172	287420	51.64	ng	-0.01
78) Terphenyl-d14	20.07	244	255430	46.23	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.49	88	3425	3.92	ng	Qvalue # 14
10) Phenol	7.51	94	6076	2.16	ng	85
49) Dimethylphthalate	14.70	163	30691	5.16	ng	97
70) Phenanthrene	17.89	178	138542	17.27	ng	99
71) Anthracene	17.97	178	31112	3.99	ng	99
74) Fluoranthene	19.52	202	154320	18.78	ng	96
77) Pyrene	19.81	202	161569	18.51	ng	96
80) Benzo(a)anthracene	21.33	228	65247	8.44	ng	98
82) Chrysene	21.37	228	50850	7.27	ng	96
85) Indeno(1,2,3-cd)pyrene	24.09	276	27430	3.96	ng	# 100
87) Benzo(b)fluoranthene	22.57	252	85049	10.98	ng	# 94
88) Benzo(k)fluoranthene	22.57	252	86696	12.80	ng	# 95
89) Benzo(a)pyrene	22.93	252	49306	7.41	ng	94
91) Benzo(g,h,i)perylene	24.40	276	30714	4.96	ng	96

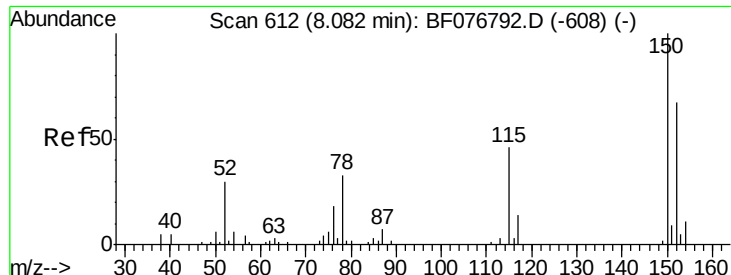
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.08 min Scan# 612

Delta R.T. 0.00 min

Lab File: BF076826.D

Acq: 13 Jan 2015 3:01

Instrument :

BNA_F

ClientSampleId :

SW-013

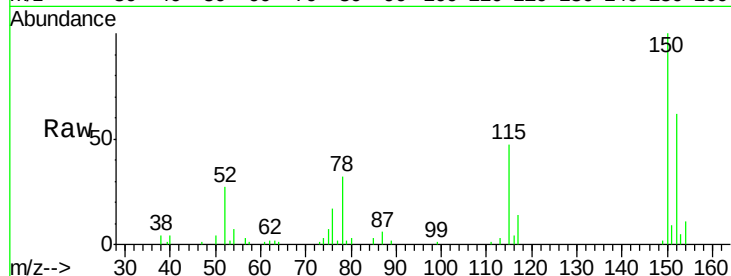
Tgt Ion:152 Resp: 34222

Ion Ratio Lower Upper

152 100

150 162.5 119.5 179.3

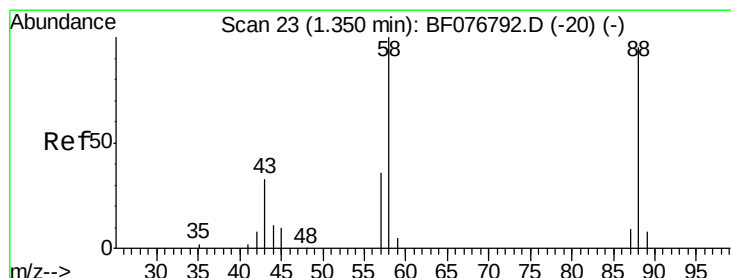
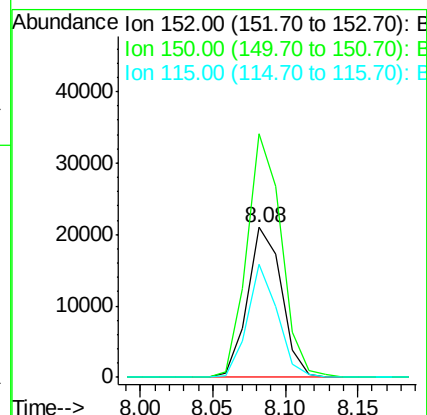
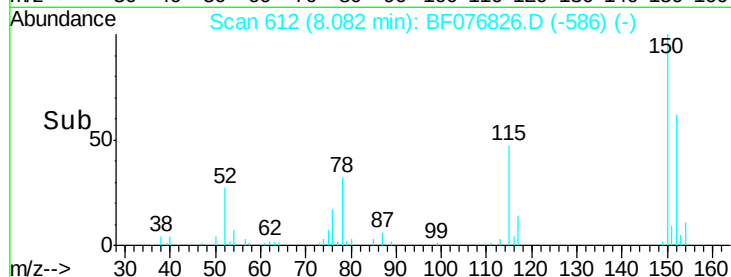
115 75.6 54.6 81.8



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: 3.92 ng

RT: 1.49 min Scan# 35

Delta R.T. 0.14 min

Lab File: BF076826.D

Acq: 13 Jan 2015 3:01

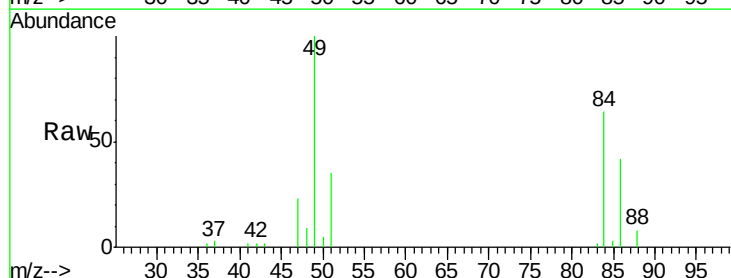
Tgt Ion: 88 Resp: 3425

Ion Ratio Lower Upper

88 100

58 0.0 72.4 108.6#

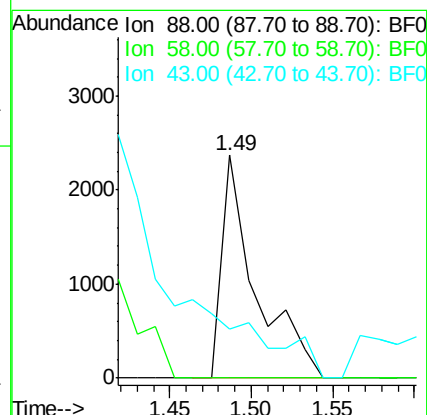
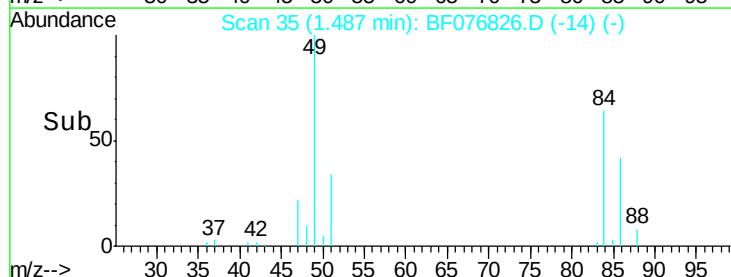
43 0.0 24.0 36.0#

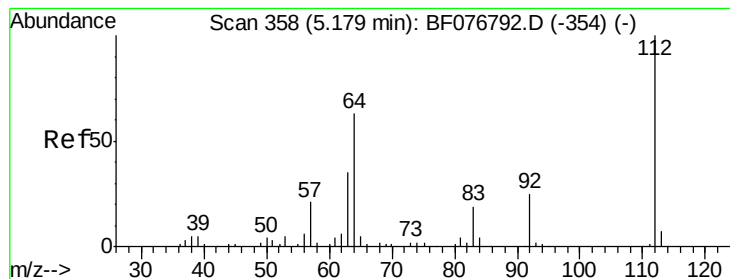


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 92.83 ng

RT: 5.17 min Scan# 357

Delta R.T. -0.01 min

Lab File: BF076826.D

Acq: 13 Jan 2015 3:01

Instrument :

BNA_F

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SW-013

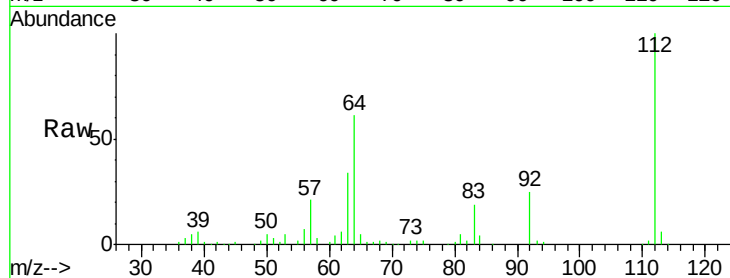
Tgt Ion: 112 Resp: 190383

Ion Ratio Lower Upper

112 100

64 61.2 50.2 75.4

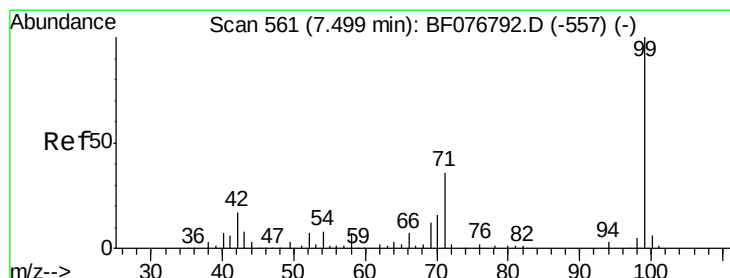
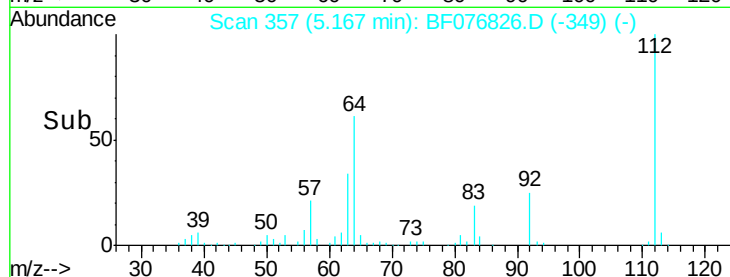
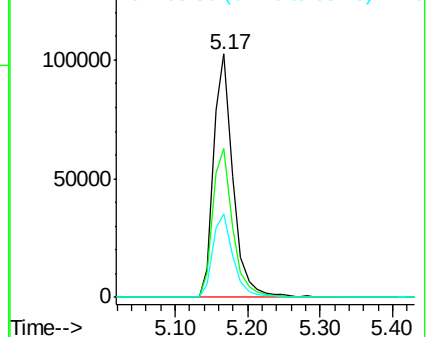
63 34.2 27.8 41.6



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 94.30 ng

RT: 7.48 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF076826.D

Acq: 13 Jan 2015 3:01

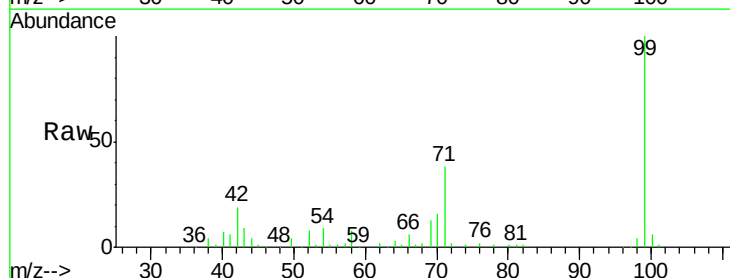
Tgt Ion: 99 Resp: 243463

Ion Ratio Lower Upper

99 100

42 18.9 13.3 19.9

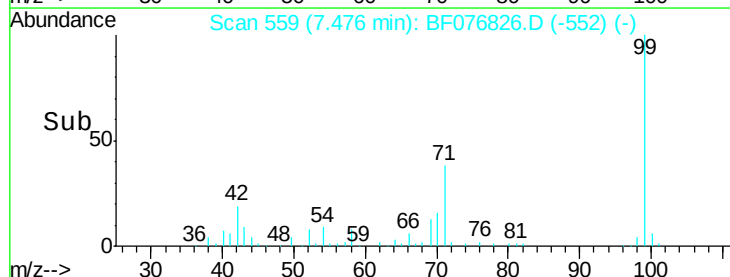
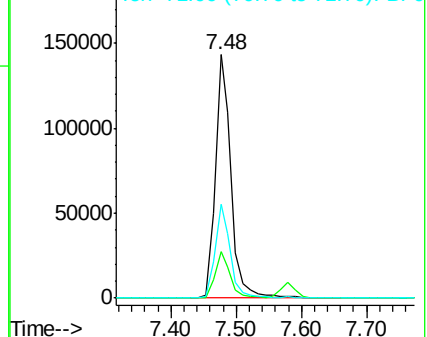
71 38.4 29.2 43.8

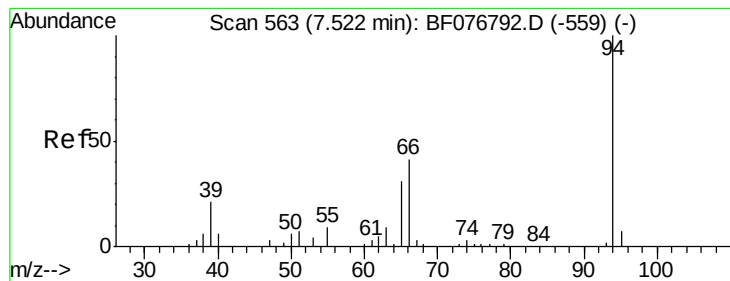


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#10

Phenol

Concen: 2.16 ng

RT: 7.51 min Scan# 562

Delta R.T. -0.01 min

Lab File: BF076826.D

Acq: 13 Jan 2015 3:01

Instrument :

BNA_F

ClientSampleId :

SW-013

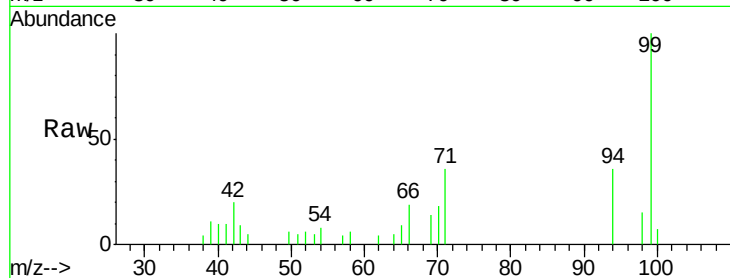
Tgt Ion: 94 Resp: 6076

Ion Ratio Lower Upper

94 100

65 25.8 11.6 51.6

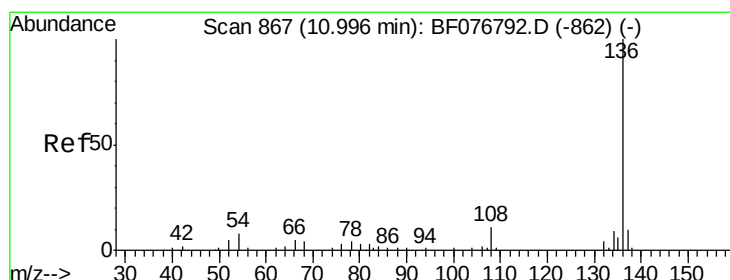
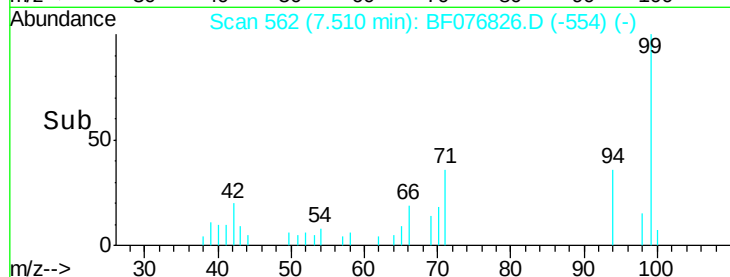
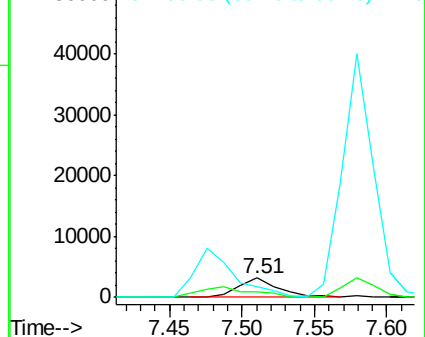
66 53.6 22.3 62.3



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.99 min Scan# 866

Delta R.T. -0.01 min

Lab File: BF076826.D

Acq: 13 Jan 2015 3:01

Tgt Ion: 136 Resp: 153557

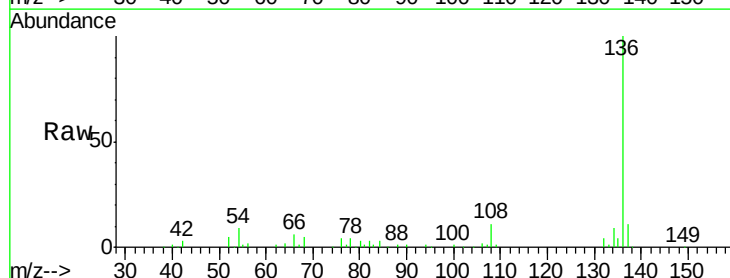
Ion Ratio Lower Upper

136 100

137 11.1 8.1 12.1

54 8.6 6.3 9.5

68 4.9 3.4 5.0

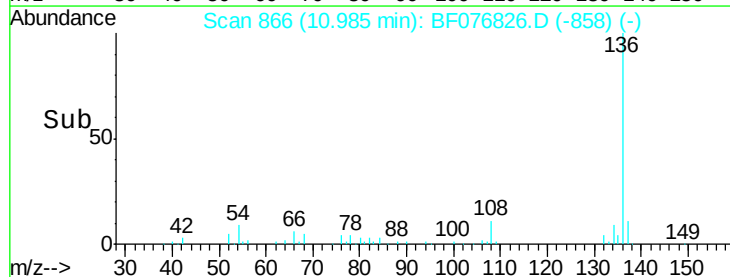
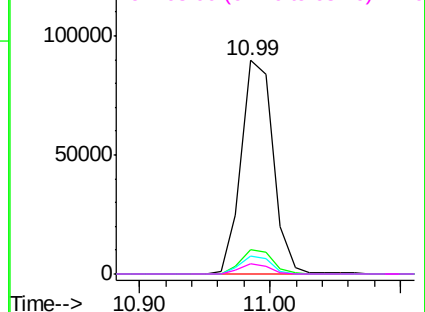


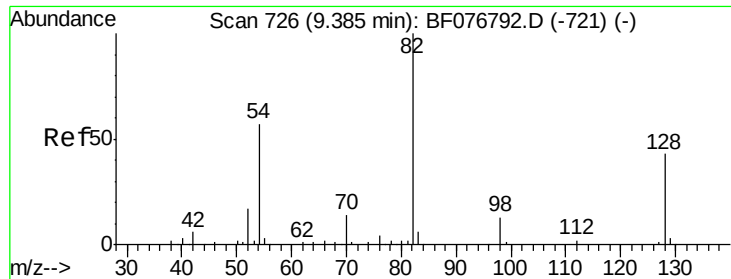
Abundance Ion 136.00 (135.70 to 136.70): E

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

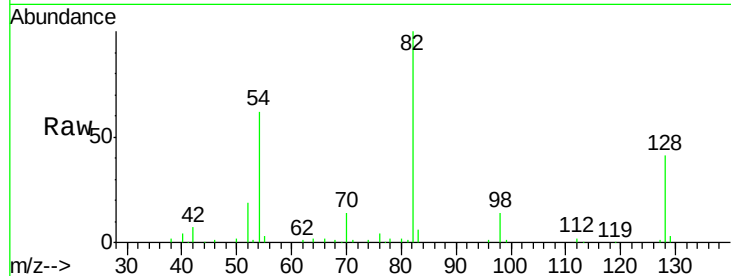




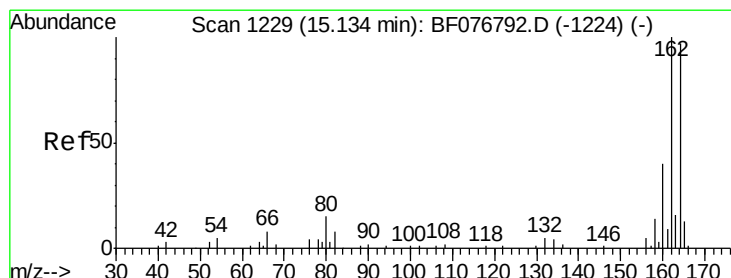
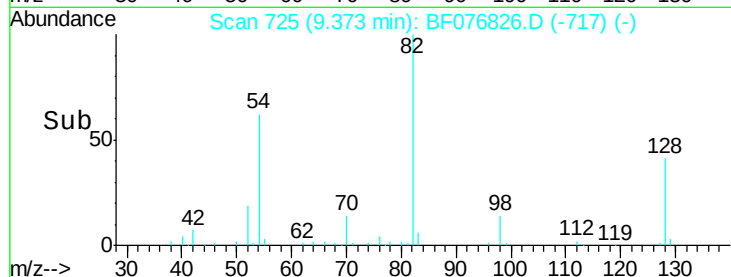
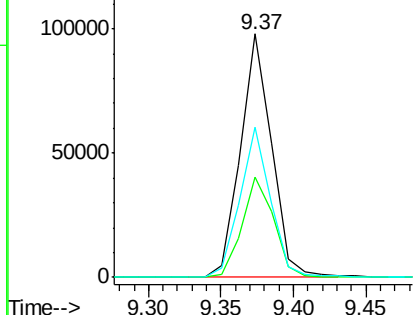
#23
 Nitrobenzene-d5
 Concen: 52.82 ng
 RT: 9.37 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BF076826.D
 Acq: 13 Jan 2015 3:01

Instrument :
 BNA_F
 ClientSampleId :
 SW-013

Tgt Ion: 82 Resp: 145960
 Ion Ratio Lower Upper
 82 100
 128 41.1 34.0 51.0
 54 61.6 45.6 68.4

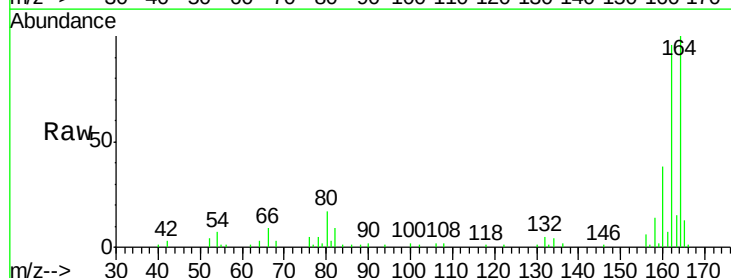


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

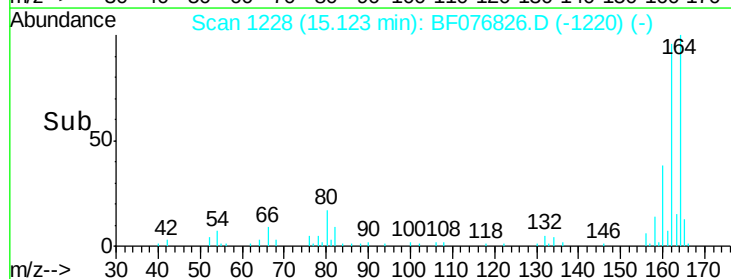
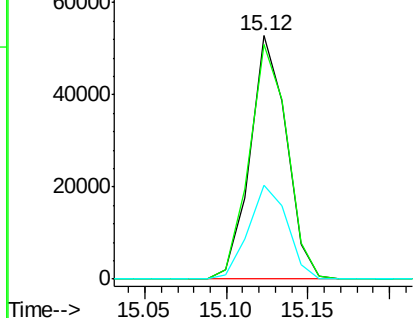


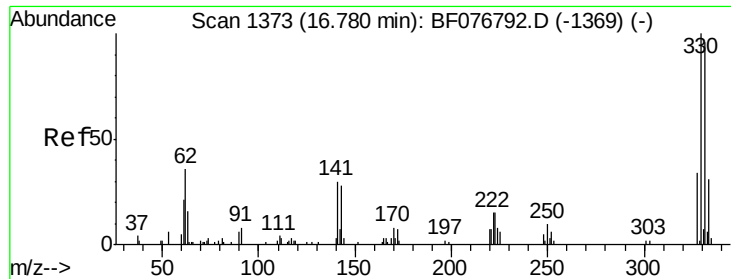
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.12 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF076826.D
 Acq: 13 Jan 2015 3:01

Tgt Ion: 164 Resp: 81918
 Ion Ratio Lower Upper
 164 100
 162 96.3 82.5 123.7
 160 38.5 33.1 49.7



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

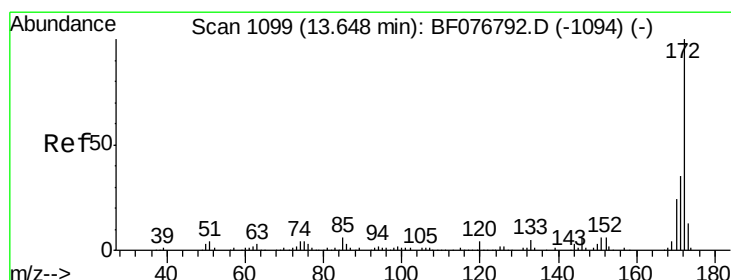
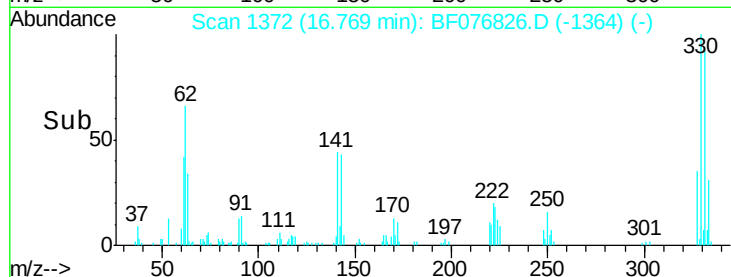
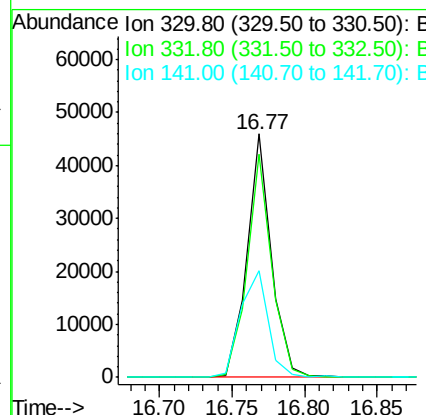
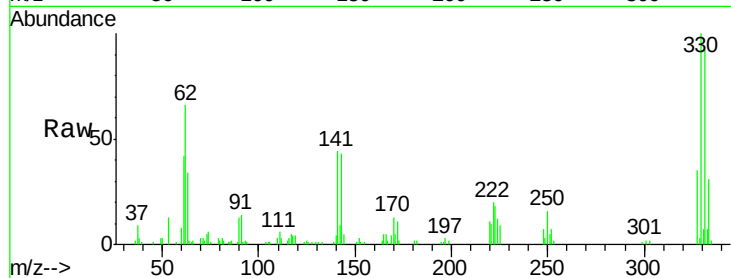




#41
 2,4,6-Tribromophenol
 Concen: 78.82 ng
 RT: 16.77 min Scan# 1372
 Delta R.T. -0.01 min
 Lab File: BF076826.D
 Acq: 13 Jan 2015 3:01

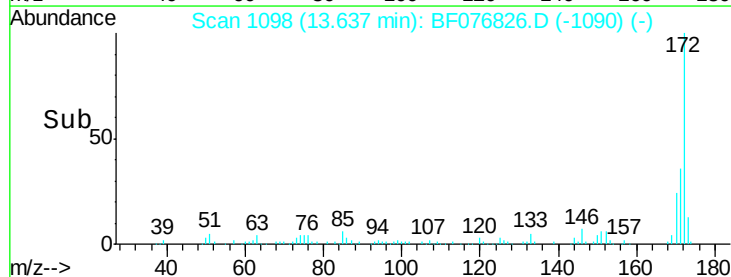
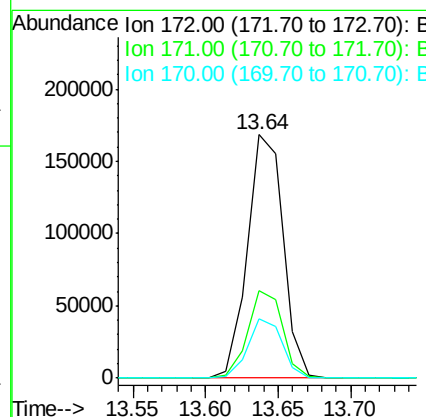
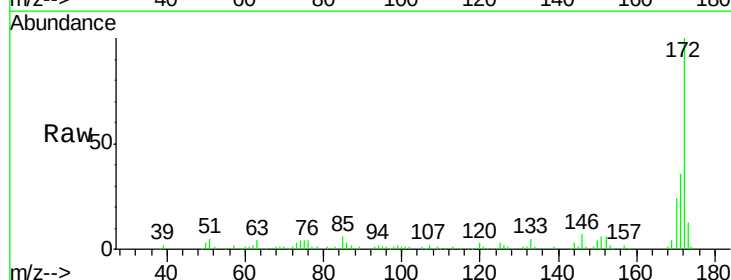
Instrument :
 BNA_F
 ClientSampleId :
 SW-013

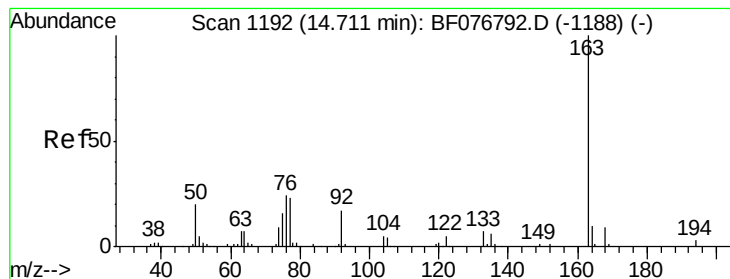
Tgt Ion	Ratio	Lower	Upper
330	100		
332	91.6	74.8	112.2
141	49.3	42.4	63.6



#44
 2-Fluorobiphenyl
 Concen: 51.64 ng
 RT: 13.64 min Scan# 1098
 Delta R.T. -0.01 min
 Lab File: BF076826.D
 Acq: 13 Jan 2015 3:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	27.8	41.8
170	24.3	18.8	28.2





#49

Dimethylphthalate

Concen: 5.16 ng

RT: 14.70 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BF076826.D

Acq: 13 Jan 2015 3:01

Instrument :

BNA_F

ClientSampleId :

SW-013

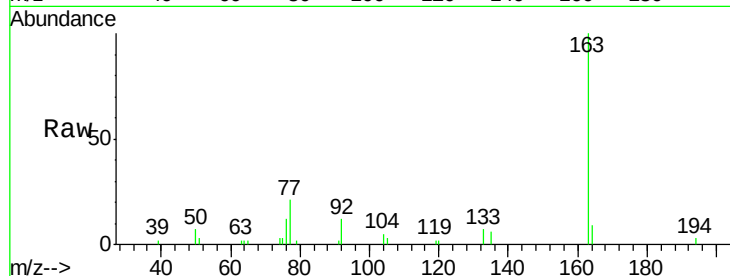
Tgt Ion:163 Resp: 30691

Ion Ratio Lower Upper

163 100

194 3.5 2.3 3.5

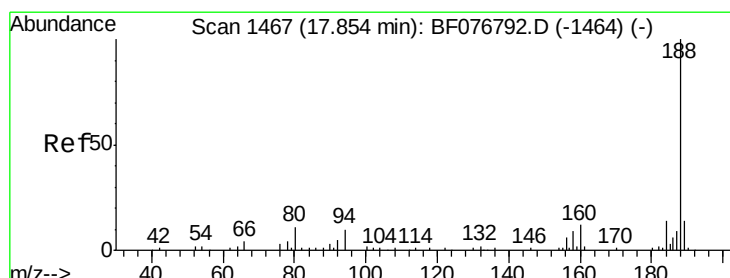
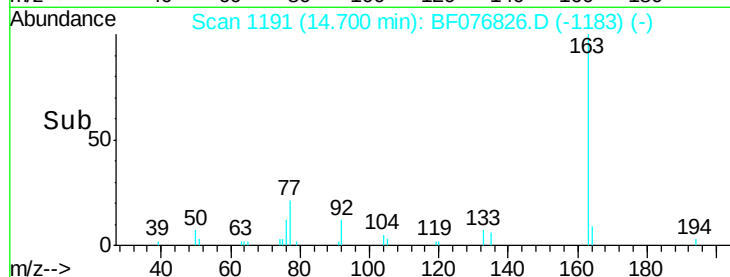
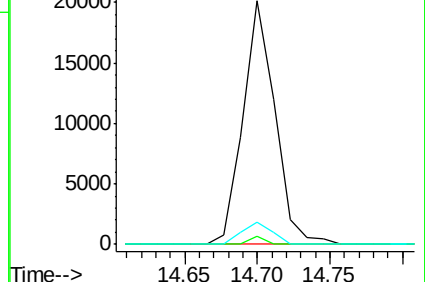
164 9.1 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.85 min Scan# 1467

Delta R.T. 0.00 min

Lab File: BF076826.D

Acq: 13 Jan 2015 3:01

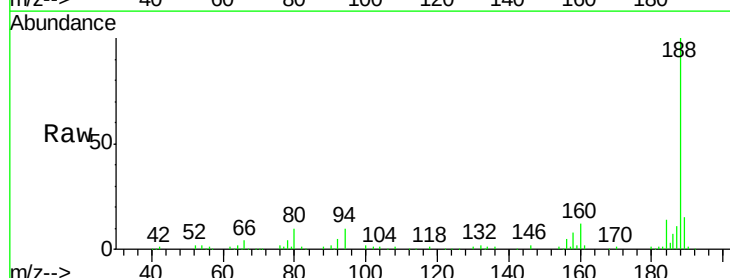
Tgt Ion:188 Resp: 128742

Ion Ratio Lower Upper

188 100

94 9.6 7.8 11.6

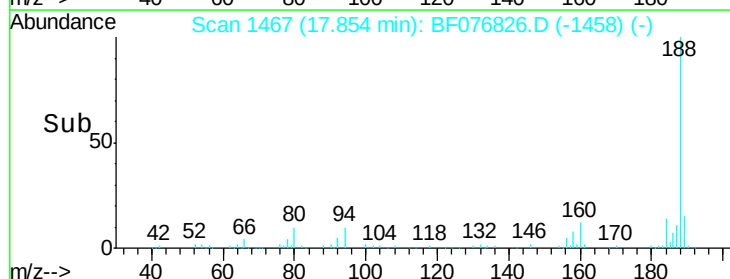
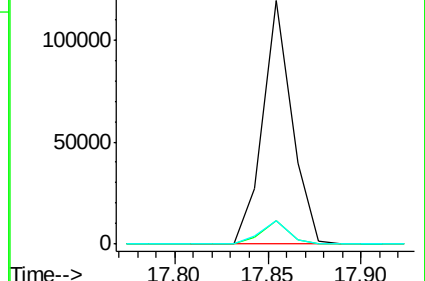
80 9.6 8.6 13.0

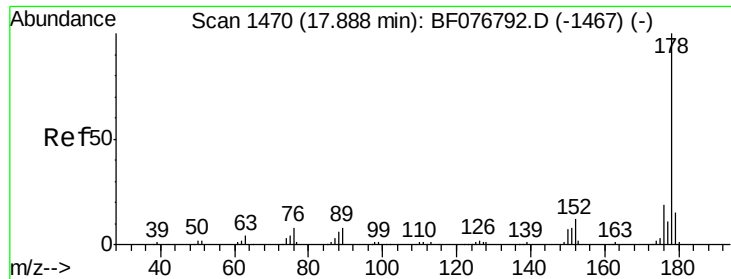


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

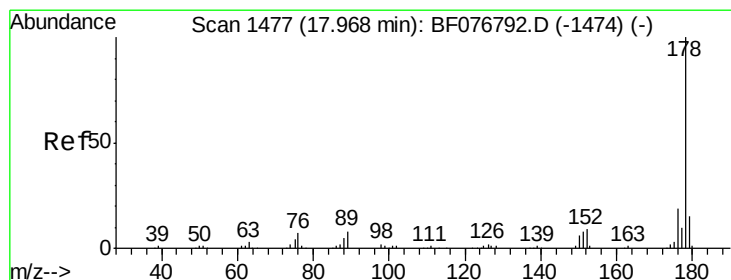
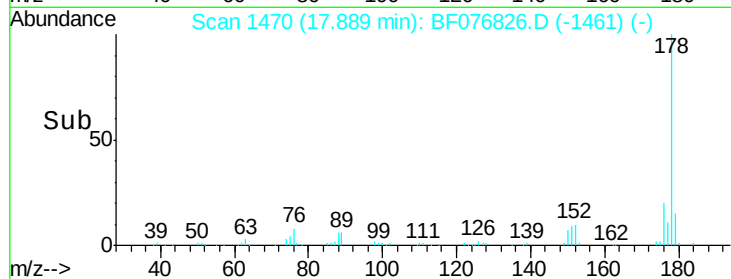
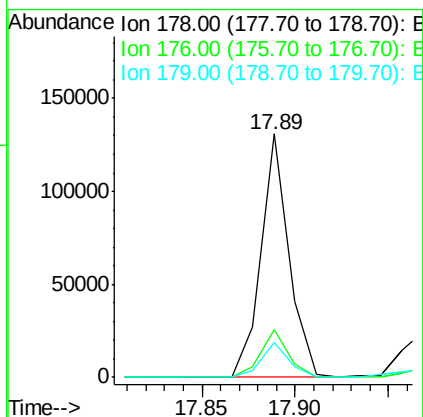
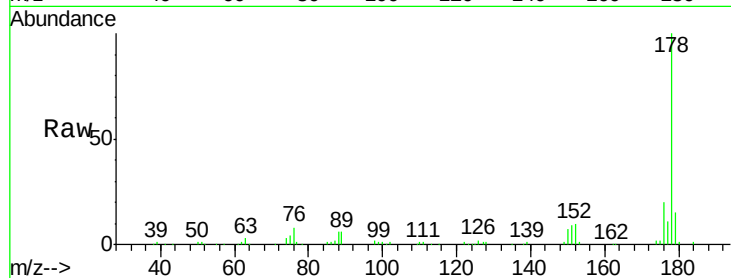




#70
 Phenanthrene
 Concen: 17.27 ng
 RT: 17.89 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: BF076826.D
 Acq: 13 Jan 2015 3:01

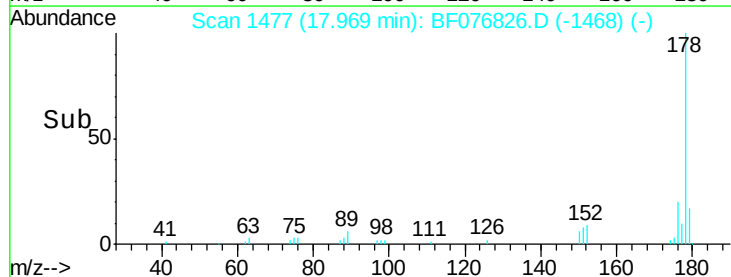
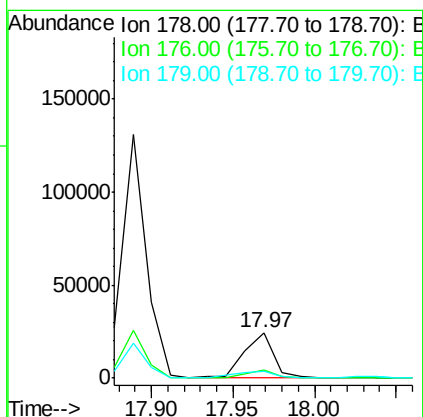
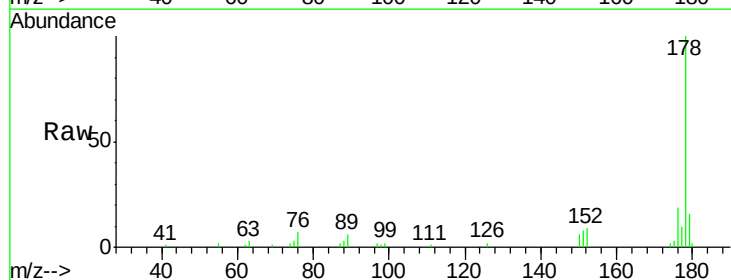
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 SW-013

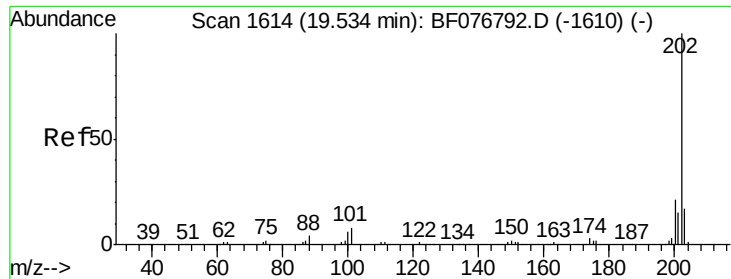
Tgt Ion:178 Resp: 138542
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.2 22.8
 179 14.5 11.8 17.8



#71
 Anthracene
 Concen: 3.99 ng
 RT: 17.97 min Scan# 1477
 Delta R.T. 0.00 min
 Lab File: BF076826.D
 Acq: 13 Jan 2015 3:01

Tgt Ion:178 Resp: 31112
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.3 22.9
 179 16.2 12.2 18.4

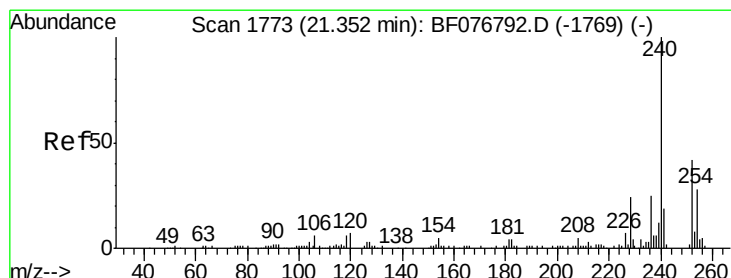
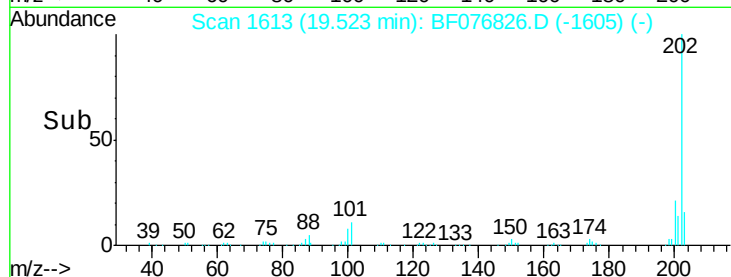
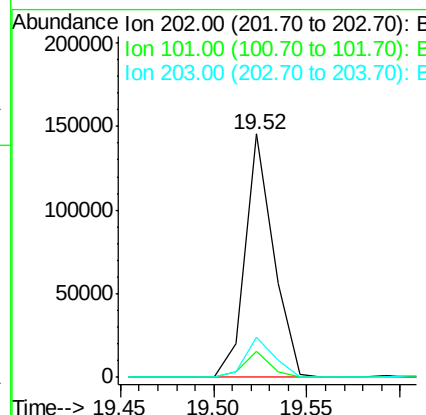
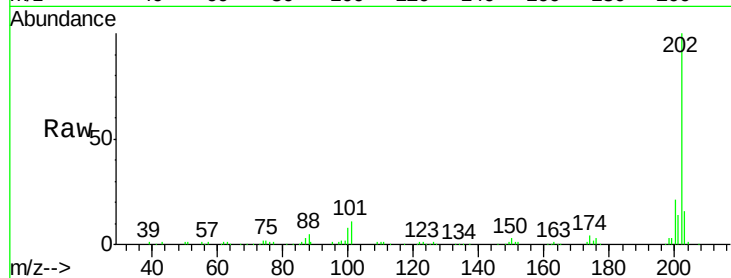




#74
 Fluoranthene
 Concen: 18.78 ng
 RT: 19.52 min Scan# 1613
 Delta R.T. -0.01 min
 Lab File: BF076826.D
 Acq: 13 Jan 2015 3:01

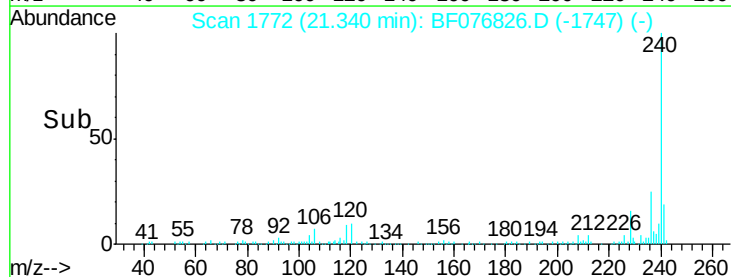
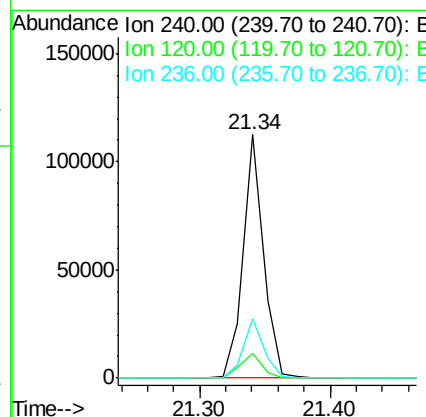
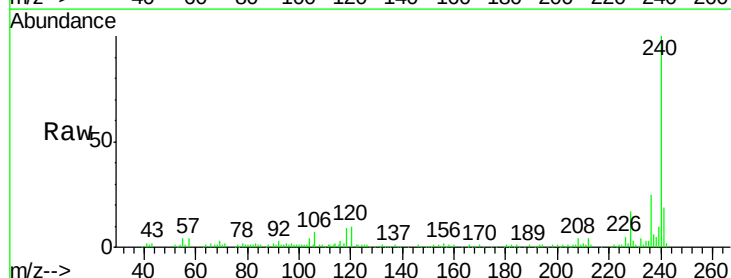
Instrument :
 BNA_F
 ClientSampleId :
 SW-013

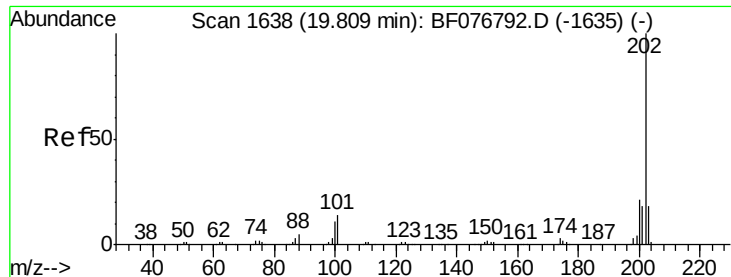
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	28.0
203	16.4	0.0	37.2



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.34 min Scan# 1772
 Delta R.T. -0.01 min
 Lab File: BF076826.D
 Acq: 13 Jan 2015 3:01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.3	5.7	8.5#
236	24.6	19.7	29.5





#77

Pyrene

Concen: 18.51 ng

RT: 19.81 min Scan# 1638

Delta R.T. 0.00 min

Lab File: BF076826.D

Acq: 13 Jan 2015 3:01

Instrument :

BNA_F

ClientSampleId :

SW-013

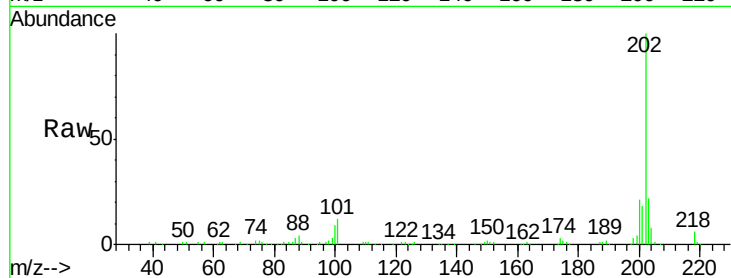
Tgt Ion:202 Resp: 161569

Ion Ratio Lower Upper

202 100

200 20.7 16.6 25.0

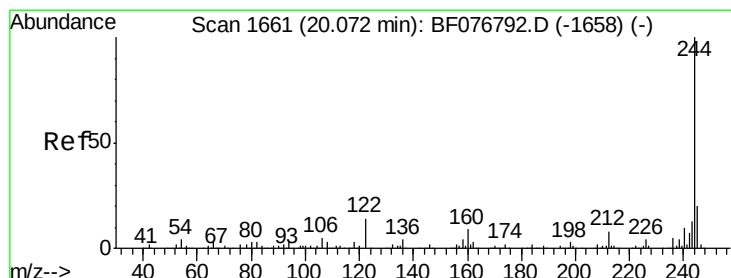
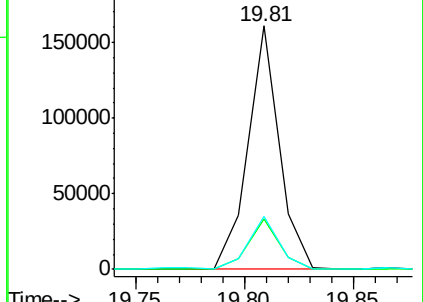
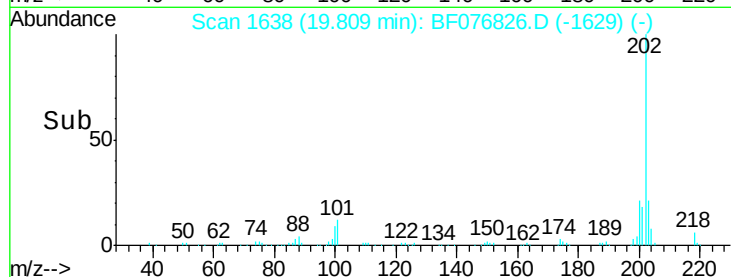
203 21.8 14.6 22.0



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: 46.23 ng

RT: 20.07 min Scan# 1661

Delta R.T. 0.00 min

Lab File: BF076826.D

Acq: 13 Jan 2015 3:01

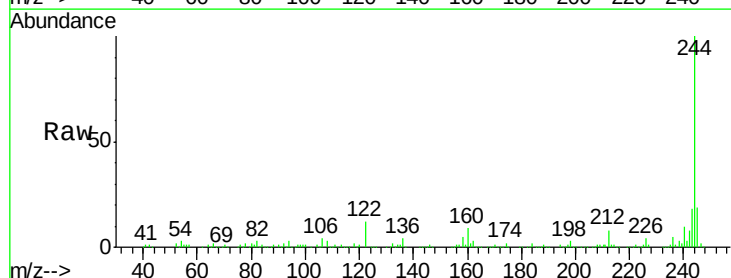
Tgt Ion:244 Resp: 255430

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

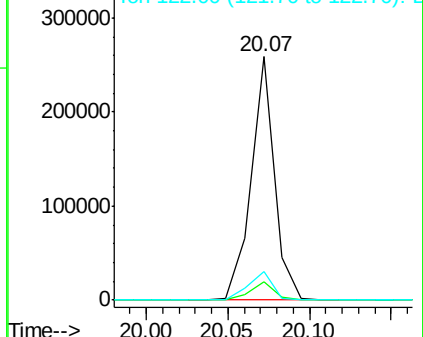
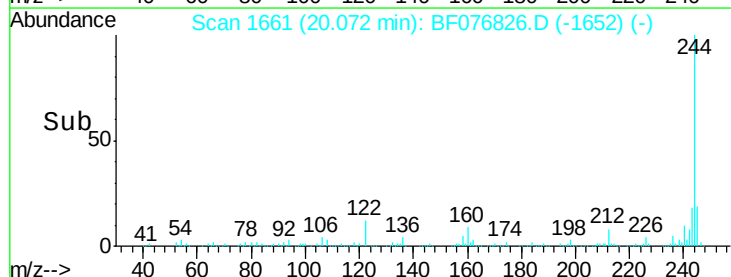
122 11.7 11.3 16.9

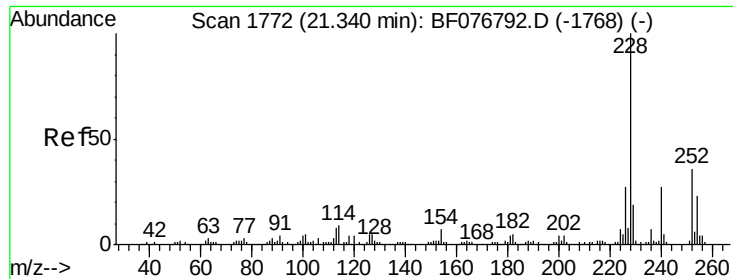


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

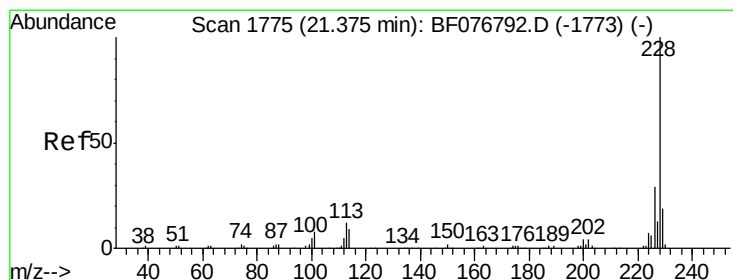
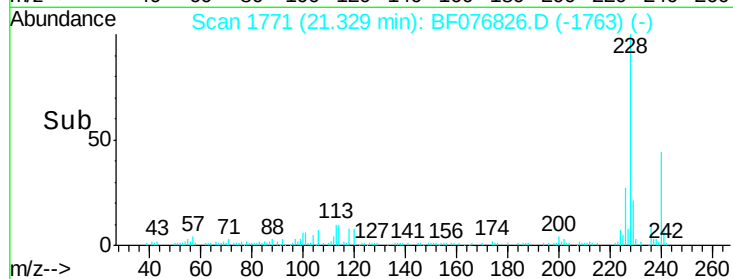
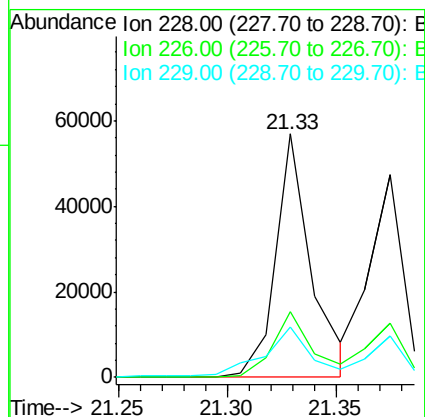
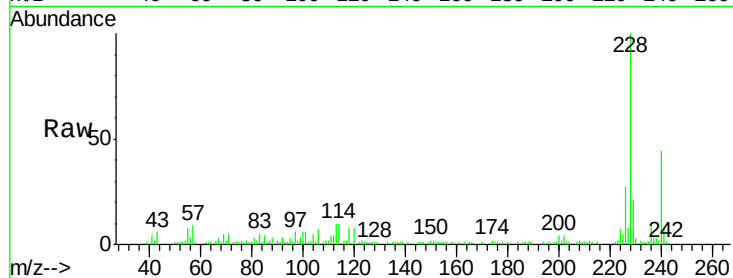




#80
Benzo(a)anthracene
Concen: 8.44 ng
RT: 21.33 min Scan# 1771
Delta R.T. -0.01 min
Lab File: BF076826.D
Acq: 13 Jan 2015 3:01

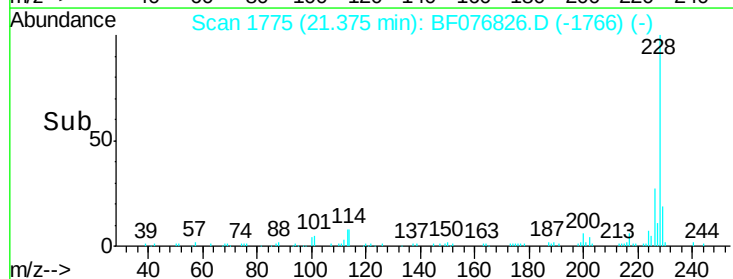
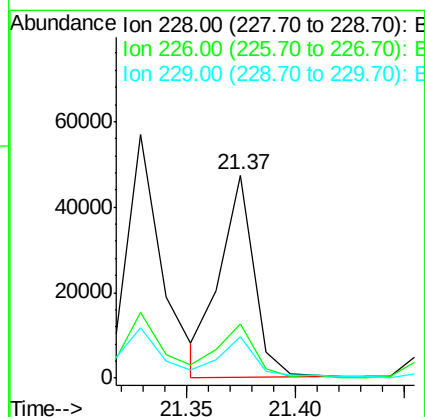
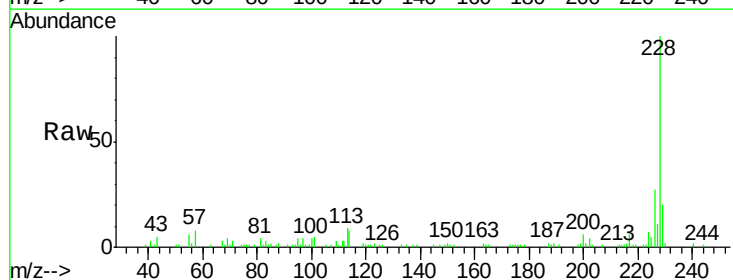
Instrument :
BNA_F
ClientSampleId :
SW-013

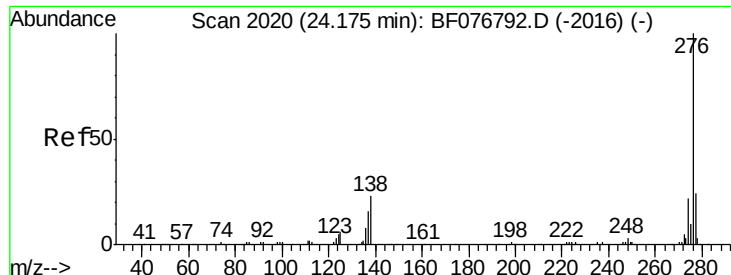
Tgt Ion: 228 Resp: 65247
Ion Ratio Lower Upper
228 100
226 26.9 21.4 32.0
229 20.8 15.0 22.4



#82
Chrysene
Concen: 7.27 ng
RT: 21.37 min Scan# 1775
Delta R.T. 0.00 min
Lab File: BF076826.D
Acq: 13 Jan 2015 3:01

Tgt Ion: 228 Resp: 50850
Ion Ratio Lower Upper
228 100
226 26.9 23.3 34.9
229 20.1 14.6 22.0

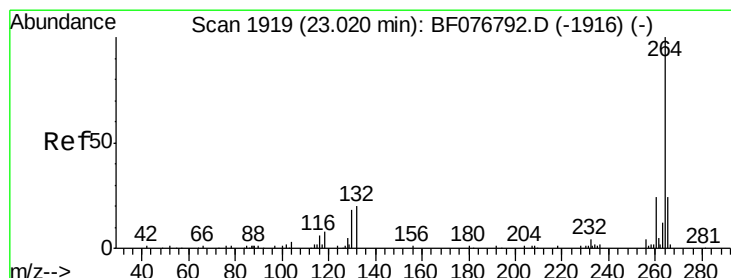
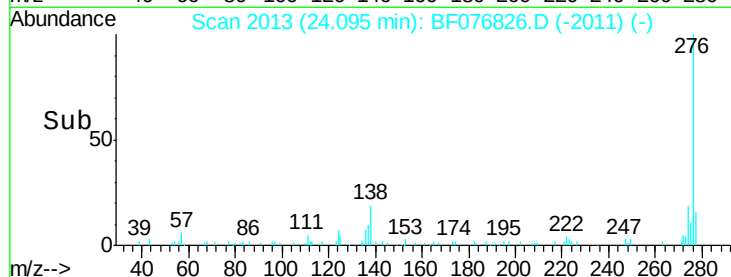
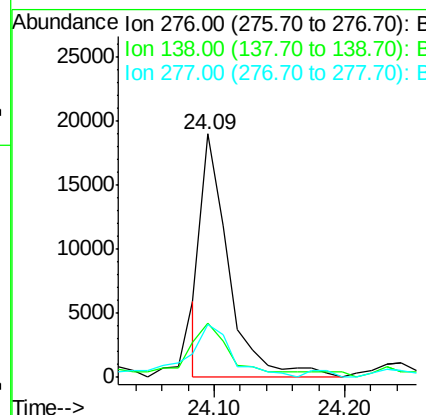
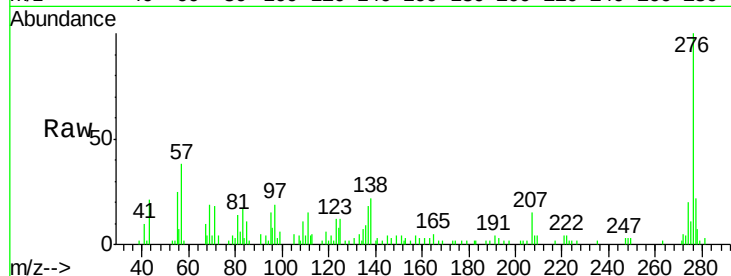




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.96 ng
 RT: 24.09 min Scan# 2013
 Delta R.T. -0.08 min
 Lab File: BF076826.D
 Acq: 13 Jan 2015 3:01

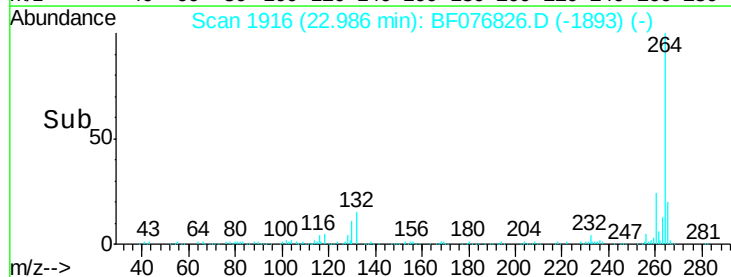
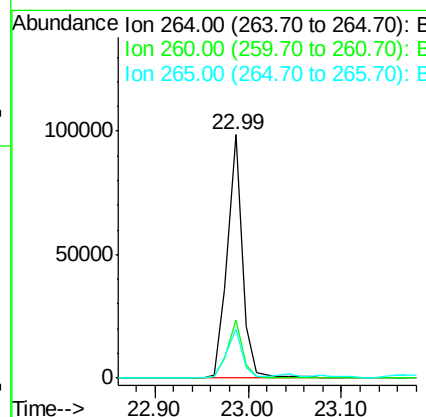
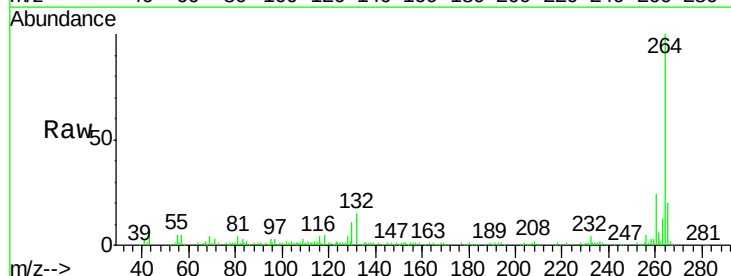
Instrument :
 BNA_F
 ClientSampleId :
 SW-013

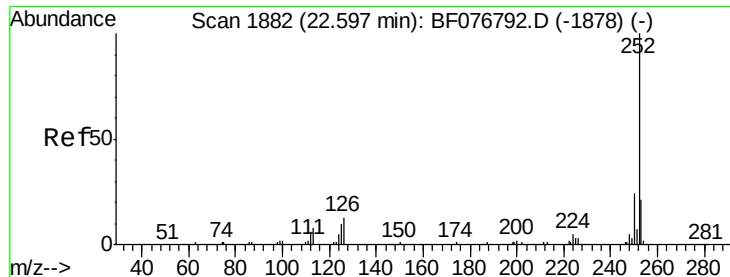
Tgt Ion: 276 Resp: 27430
 Ion Ratio Lower Upper
 276 100
 138 17.6 0.0 0.0#
 277 24.9 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 22.99 min Scan# 1916
 Delta R.T. -0.03 min
 Lab File: BF076826.D
 Acq: 13 Jan 2015 3:01

Tgt Ion: 264 Resp: 111832
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.4 29.0
 265 20.0 18.9 28.3

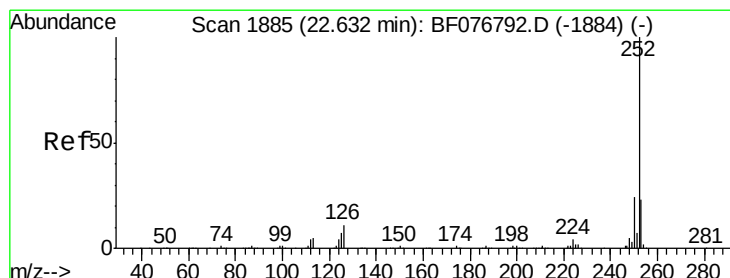
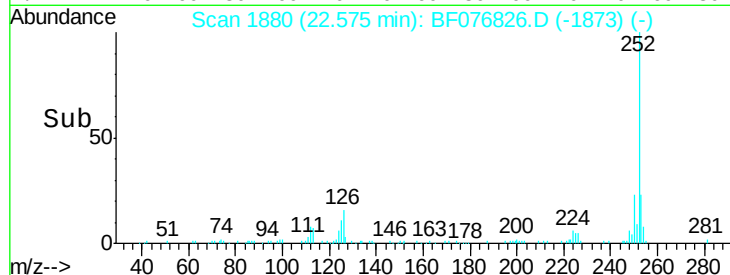
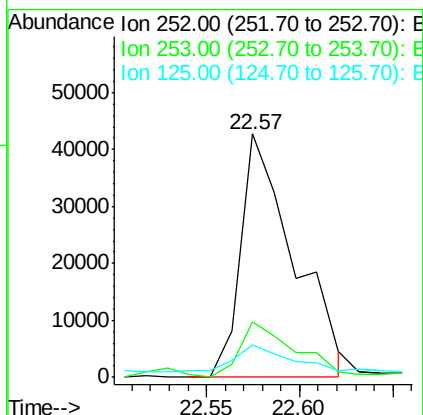
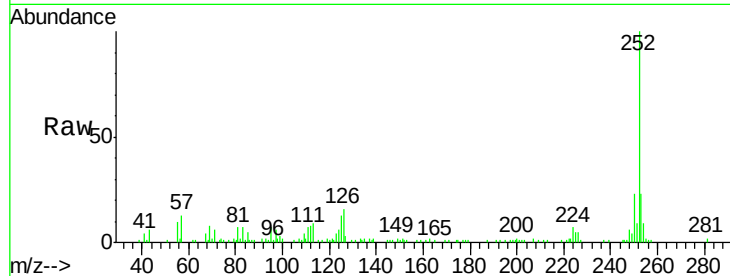




#87
Benzo(b)fluoranthene
Concen: 10.98 ng
RT: 22.57 min Scan# 1880
Delta R.T. -0.02 min
Lab File: BF076826.D
Acq: 13 Jan 2015 3:01

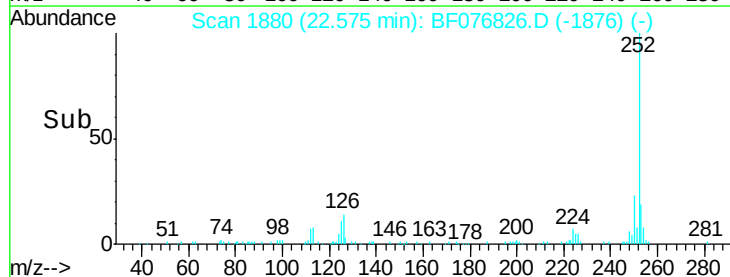
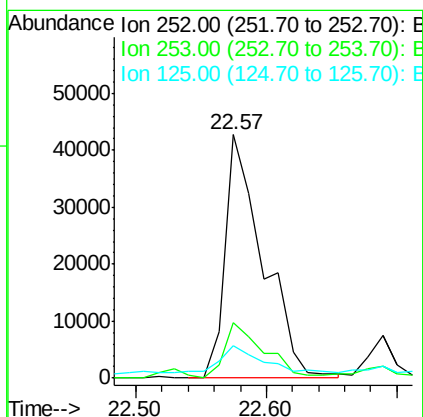
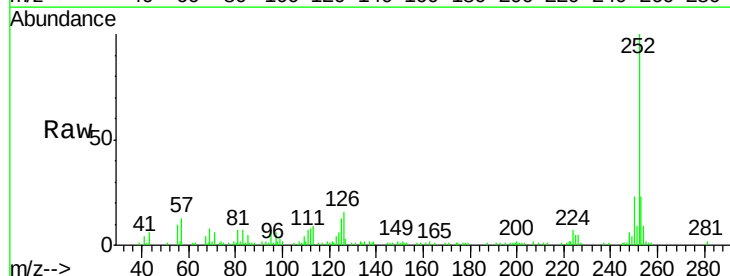
Instrument :
BNA_F
ClientSampled :
SW-013

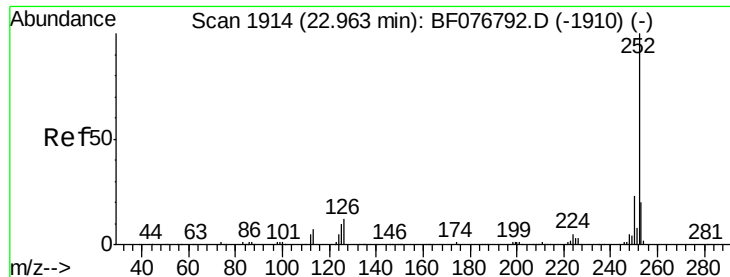
Tgt Ion:252 Resp: 85049
Ion Ratio Lower Upper
252 100
253 22.9 16.6 25.0
125 13.4 8.1 12.1#



#88
Benzo(k)fluoranthene
Concen: 12.80 ng
RT: 22.57 min Scan# 1880
Delta R.T. -0.06 min
Lab File: BF076826.D
Acq: 13 Jan 2015 3:01

Tgt Ion:252 Resp: 86696
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 13.4 7.5 11.3#





#89

Benzo(a)pyrene

Concen: 7.41 ng

RT: 22.93 min Scan# 1911

Delta R.T. -0.03 min

Lab File: BF076826.D

Acq: 13 Jan 2015 3:01

Instrument :

BNA_F

ClientSampleId :

SW-013

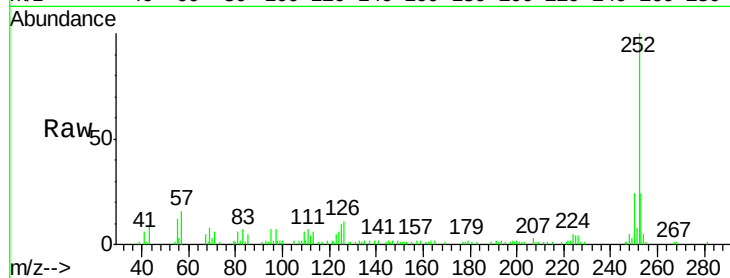
Tgt Ion:252 Resp: 49306

Ion Ratio Lower Upper

252 100

253 24.1 16.2 24.4

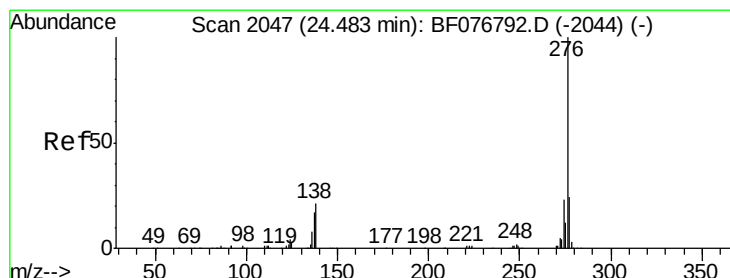
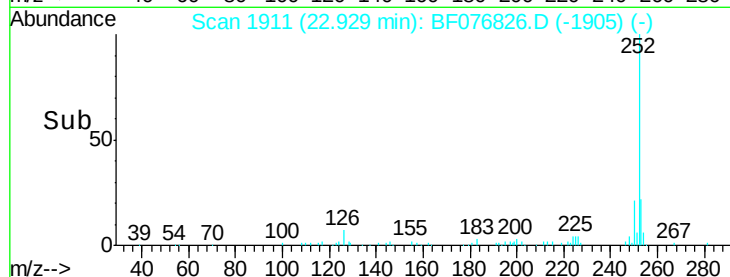
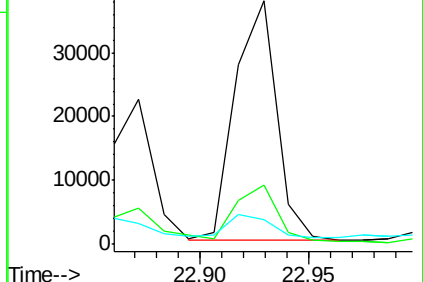
125 10.0 7.8 11.6



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: 4.96 ng

RT: 24.40 min Scan# 2040

Delta R.T. -0.08 min

Lab File: BF076826.D

Acq: 13 Jan 2015 3:01

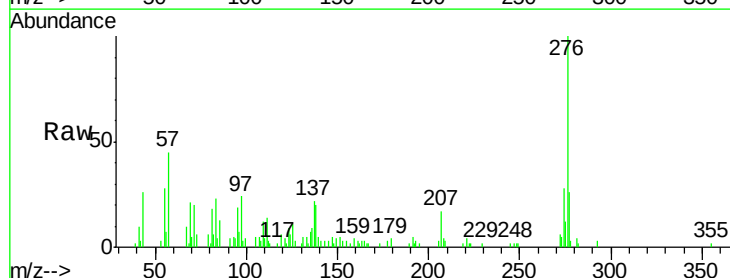
Tgt Ion:276 Resp: 30714

Ion Ratio Lower Upper

276 100

277 26.4 19.0 28.6

138 19.7 16.7 25.1



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

