

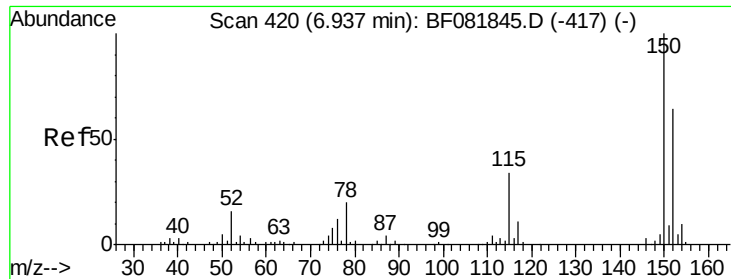
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100915\
 Data File : BF082150.D
 Acq On : 9 Oct 2015 17:39
 Operator : UM/IZ
 Sample : G3906-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 09 22:51:15 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 09 22:47:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	112531	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	449195	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	199165	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	342258	20.00	ng	0.00
75) Chrysene-d12	14.02	240	259391	20.00	ng	-0.01
86) Perylene-d12	15.46	264	217645	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	642044	103.57	ng	0.01
7) Phenol-d6	6.49	99	886442	113.64	ng	0.00
23) Nitrobenzene-d5	7.42	82	512941	76.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	199901	99.10	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	970459	80.74	ng	0.00
78) Terphenyl-d14	12.97	244	746166	96.47	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	65394	13.79	ng	# 60
49) Dimethylphthalate	9.61	163	239164	17.40	ng	# 97
56) 2,4-Dinitrotoluene	9.90	165	24873	6.54	ng	# 33
57) Fluorene	10.45	166	5331	Below Cal	#	81
66) 4-Bromophenyl-phenylether	10.69	248	13726	3.98	ng	# 1
70) Phenanthrene	11.41	178	67514	2.53	ng	99
71) Anthracene	11.41	178	67514	3.88	ng	99
73) Di-n-butylphthalate	11.94	149	4309	Below Cal	#	95
74) Fluoranthene	12.59	202	86028	4.69	ng	88
77) Pyrene	12.82	202	77607	5.01	ng	98
80) Benzo(a)anthracene	14.01	228	38839	2.78	ng	95
82) Chrysene	14.01	228	38839	2.99	ng	97
87) Benzo(b)fluoranthene	15.04	252	44683	3.60	ng	# 91
88) Benzo(k)fluoranthene	15.04	252	44683	3.92	ng	# 92
89) Benzo(a)pyrene	15.40	252	24735	2.29	ng	# 91

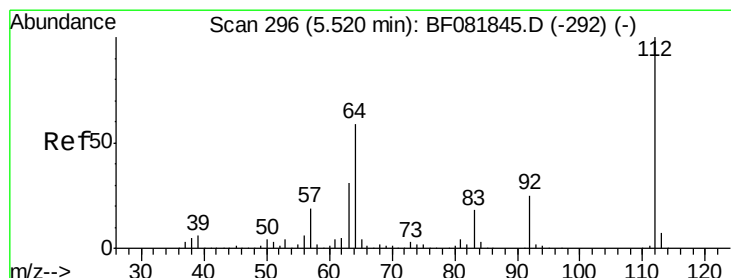
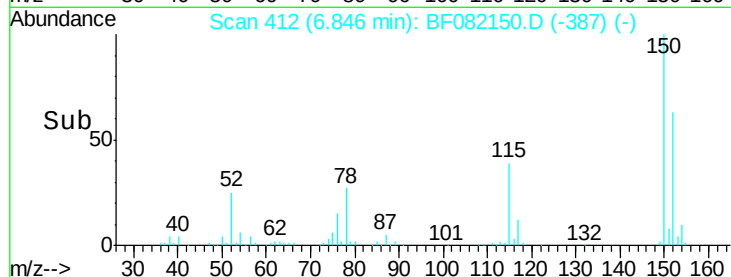
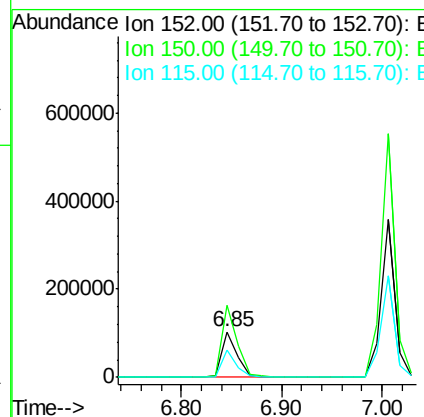
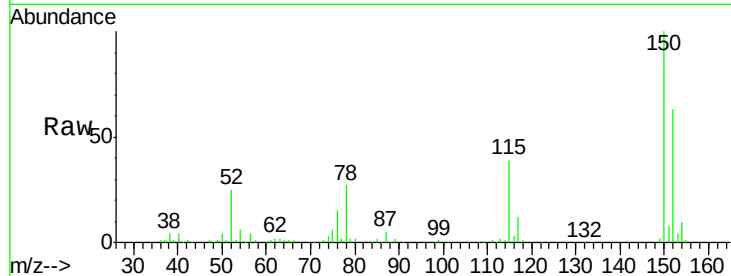
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 412
 Delta R.T. -0.01 min
 Lab File: BF082150.D
 Acq: 9 Oct 2015 17:39

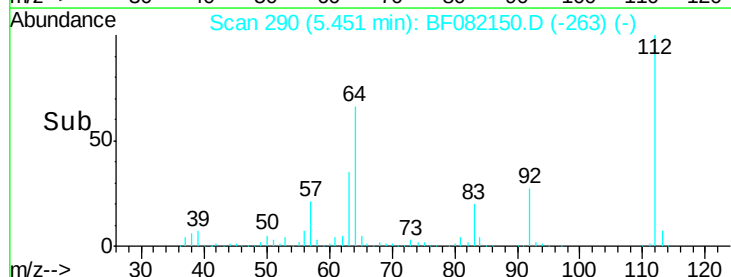
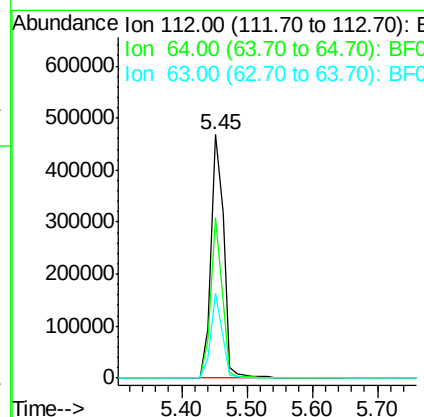
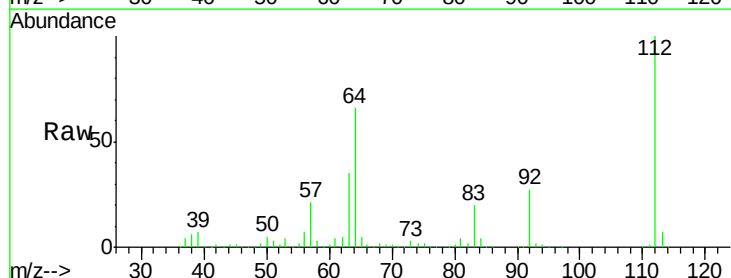
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 ClientSampleId :

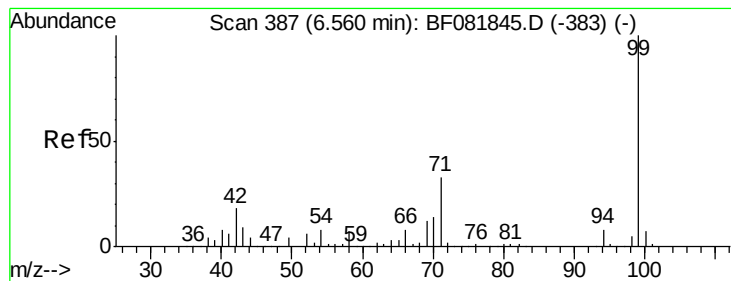
Tot Ion:152 Resp: 112531
 Ion Ratio Lower Upper
 152 100
 150 158.5 124.7 187.1
 115 61.3 39.0 58.4#



#5
 2-Fluorophenol
 Concen: 103.57 ng
 RT: 5.45 min Scan# 290
 Delta R.T. 0.01 min
 Lab File: BF082150.D
 Acq: 9 Oct 2015 17:39

Tgt Ion:112 Resp: 642044
 Ion Ratio Lower Upper
 112 100
 64 66.1 39.7 59.5#
 63 34.8 17.4 26.0#





#7

Phenol-d6

Concen: 113.64 ng

RT: 6.49 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF082150.D

Acq: 9 Oct 2015 17:39

Instrument :

BNA_F

ClientSampled :

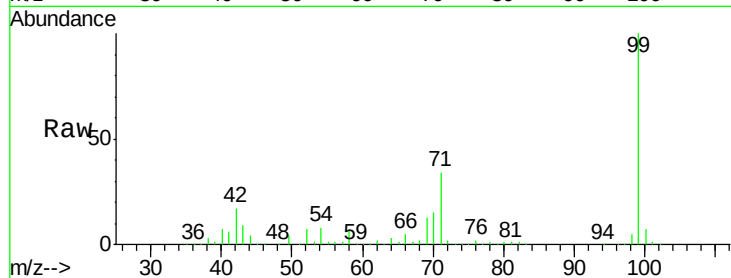
Tot Ion: 99 Resp: 886442

Ion Ratio Lower Upper

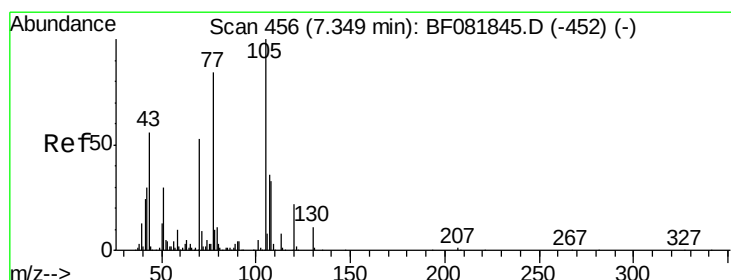
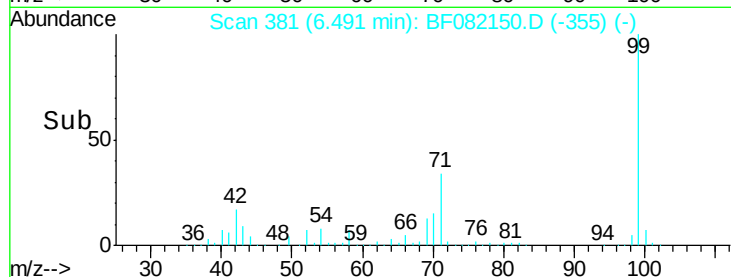
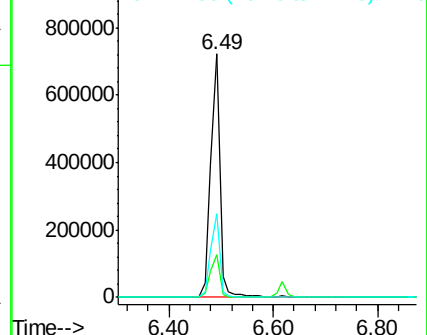
99 100

42 17.5 13.7 20.5

71 34.2 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: 13.79 ng

RT: 7.42 min Scan# 462

Delta R.T. 0.14 min

Lab File: BF082150.D

Acq: 9 Oct 2015 17:39

Tgt Ion: 70 Resp: 65394

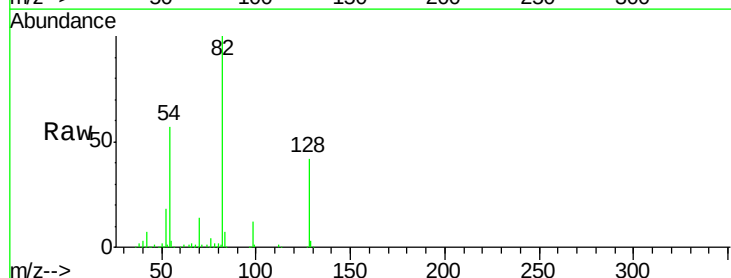
Ion Ratio Lower Upper

70 100

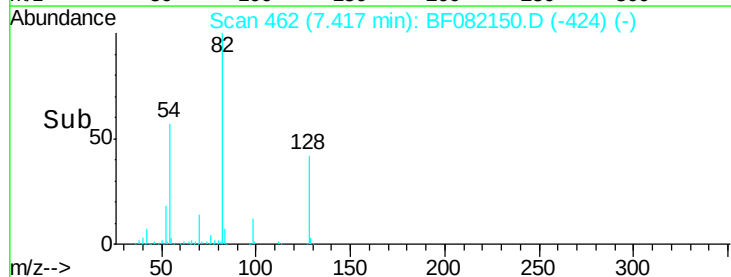
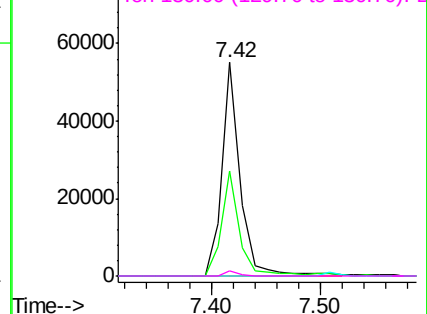
42 49.0 63.8 95.6#

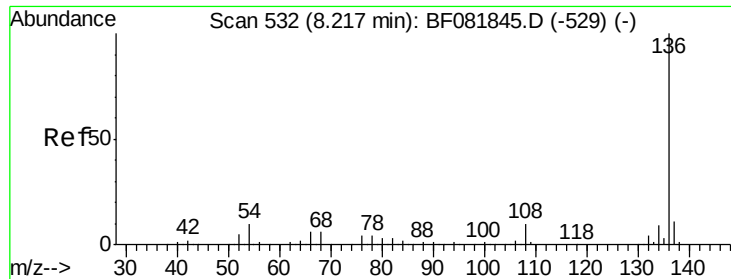
101 0.0 9.2 13.8#

130 2.2 27.3 40.9#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): BF0
Ion 130.00 (129.70 to 130.70): BF0

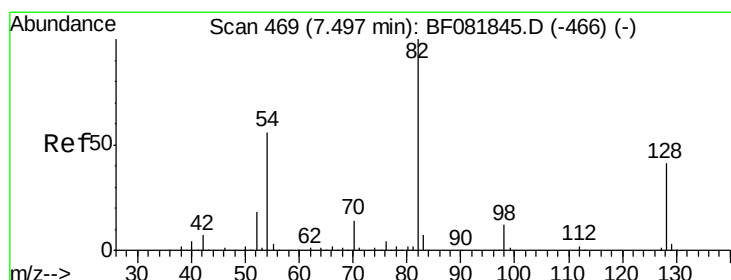
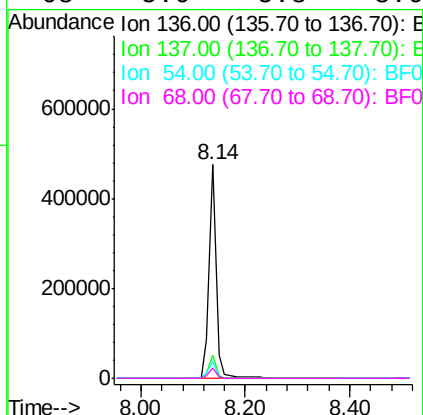
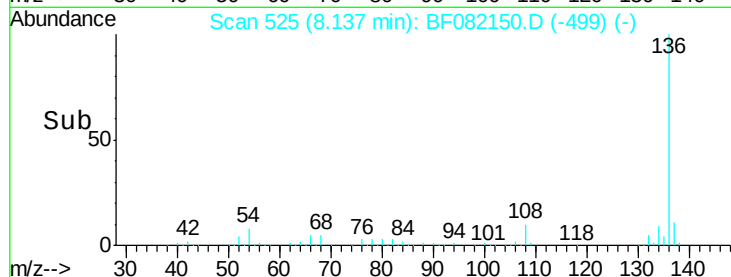
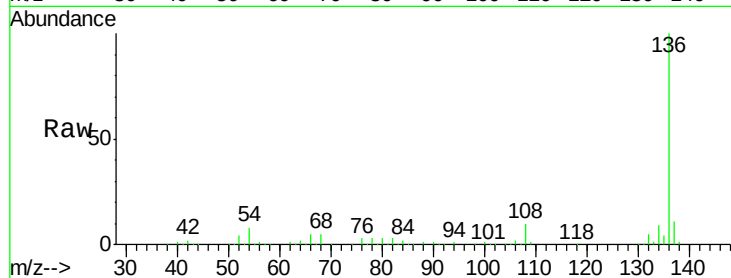




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF082150.D
Acq: 9 Oct 2015 17:39

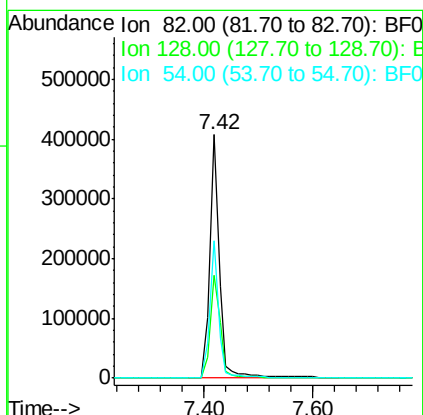
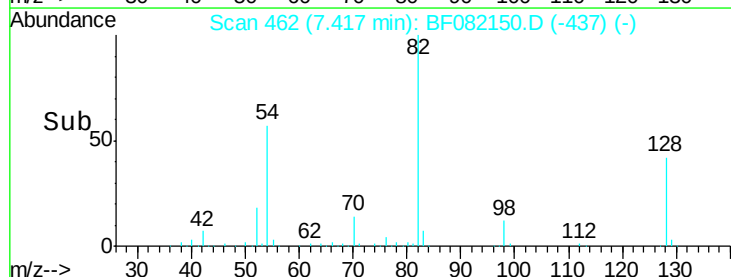
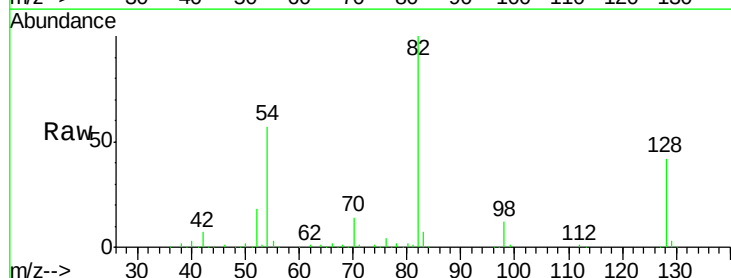
Instrument :
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ClientSampleId :

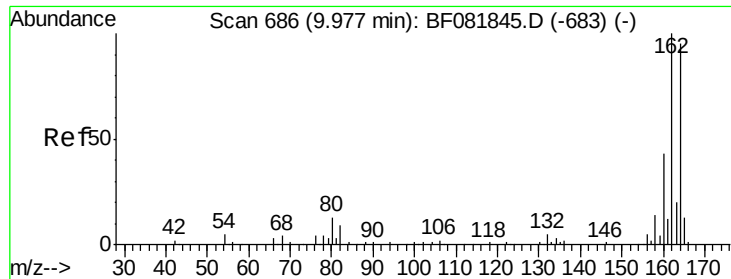
Tot Ion:	136	Resp:	449195
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	7.7	8.2	12.2#
68	5.0	5.8	8.6#



#23
Nitrobenzene-d5
Concen: 76.12 ng
RT: 7.42 min Scan# 462
Delta R.T. -0.01 min
Lab File: BF082150.D
Acq: 9 Oct 2015 17:39

Tgt Ion:	82	Resp:	512941
Ion	Ratio	Lower	Upper
82	100		
128	42.1	51.0	76.6#
54	56.6	47.5	71.3

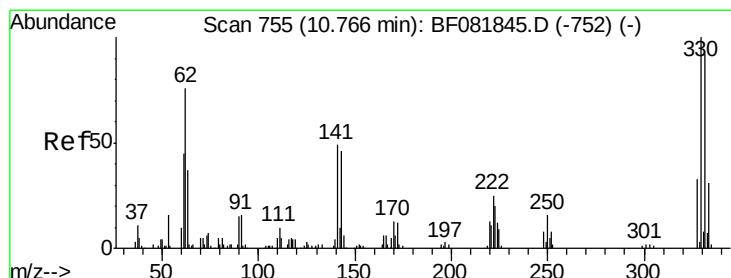
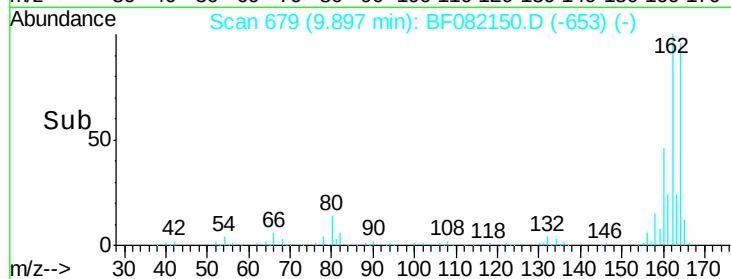
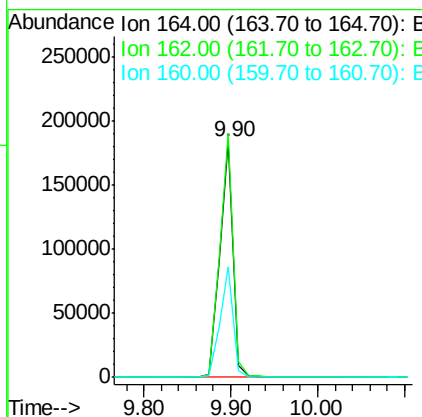
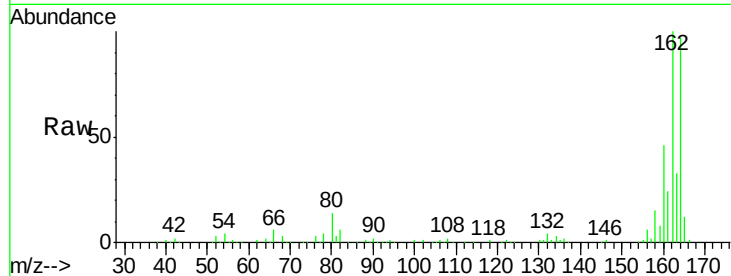




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 679
 Delta R.T. -0.00 min
 Lab File: BF082150.D
 Acq: 9 Oct 2015 17:39

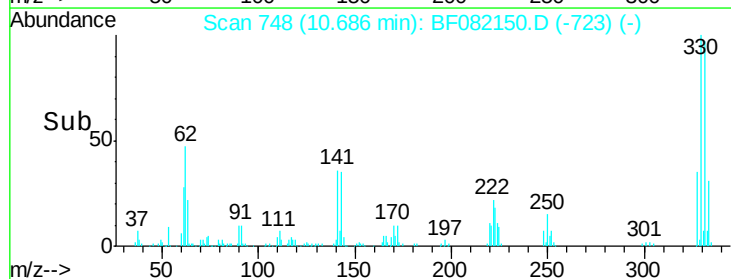
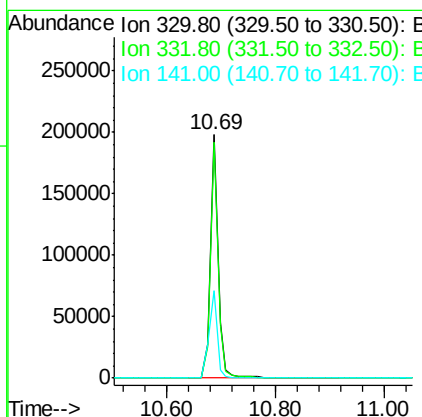
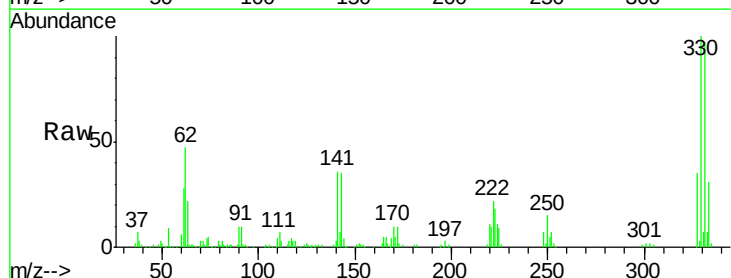
Instrument :
 BNA_F
 ClientSampled :

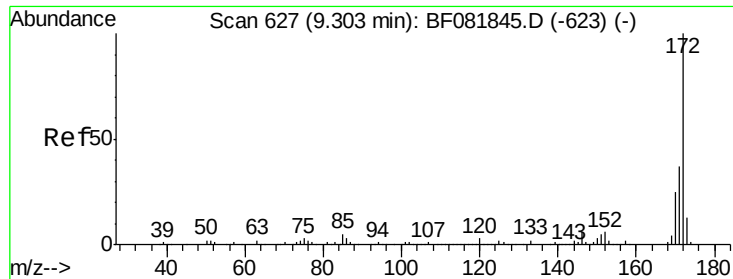
Tot Ion:164 Resp: 199165
 Ion Ratio Lower Upper
 164 100
 162 103.3 75.2 112.8
 160 47.0 31.5 47.3



#41
 2,4,6-Tribromophenol
 Concen: 99.10 ng
 RT: 10.69 min Scan# 748
 Delta R.T. -0.01 min
 Lab File: BF082150.D
 Acq: 9 Oct 2015 17:39

Tgt Ion:330 Resp: 199901
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.6 114.8
 141 37.6 29.7 44.5

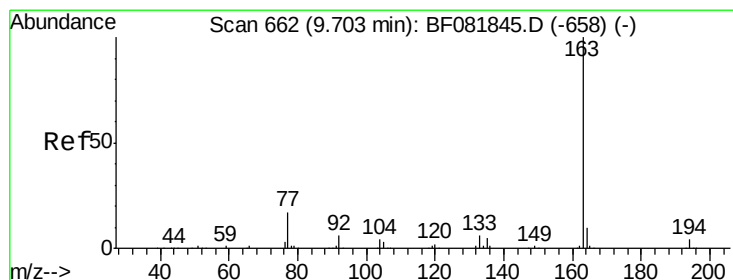
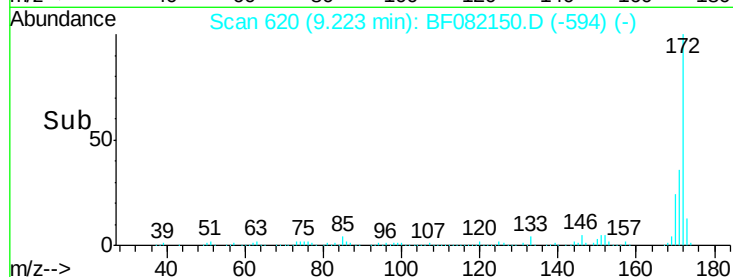
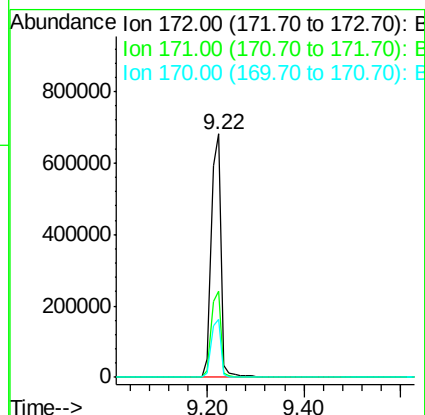
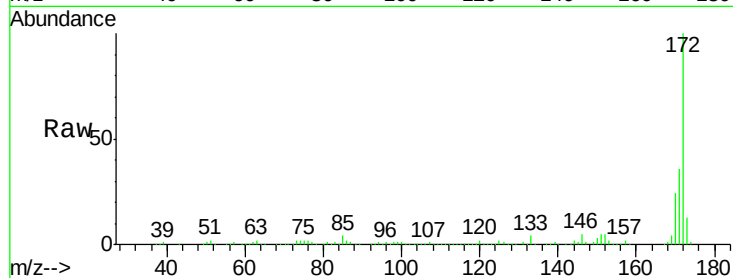




#44
2-Fluorobiphenyl
Concen: 80.74 ng
RT: 9.22 min Scan# 620
Delta R.T. -0.00 min
Lab File: BF082150.D
Acq: 9 Oct 2015 17:39

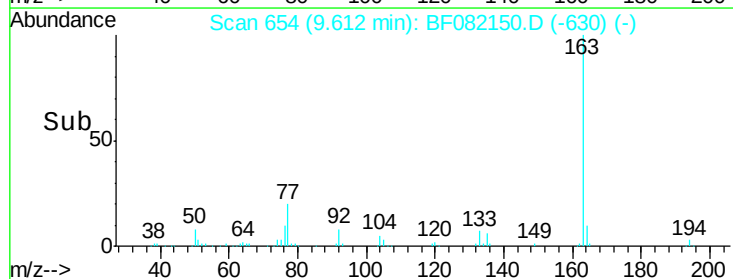
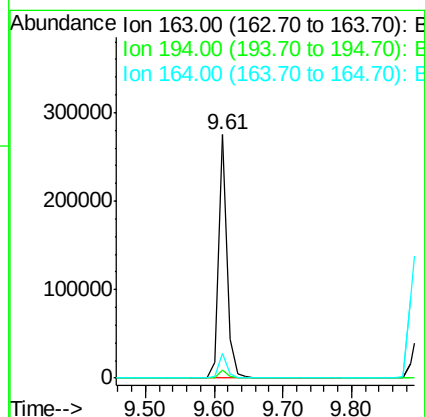
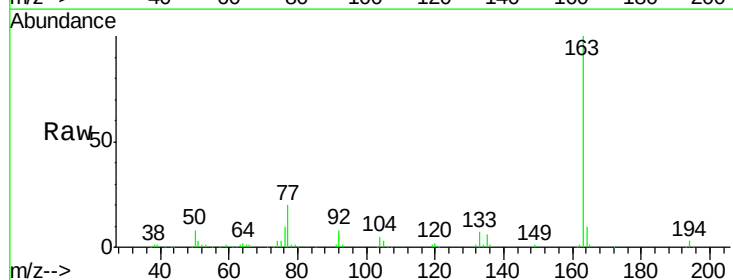
Instrument :
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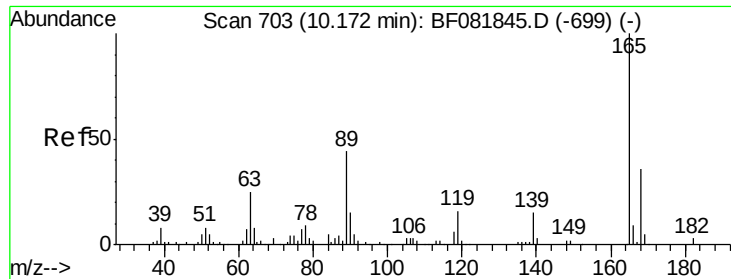
Tot Ion:172 Resp: 970459
Ion Ratio Lower Upper
172 100
171 35.6 26.1 39.1
170 24.1 17.4 26.2



#49
Dimethylphthalate
Concen: 17.40 ng
RT: 9.61 min Scan# 654
Delta R.T. -0.02 min
Lab File: BF082150.D
Acq: 9 Oct 2015 17:39

Tgt Ion:163 Resp: 239164
Ion Ratio Lower Upper
163 100
194 3.2 4.4 6.6#
164 10.1 8.3 12.5

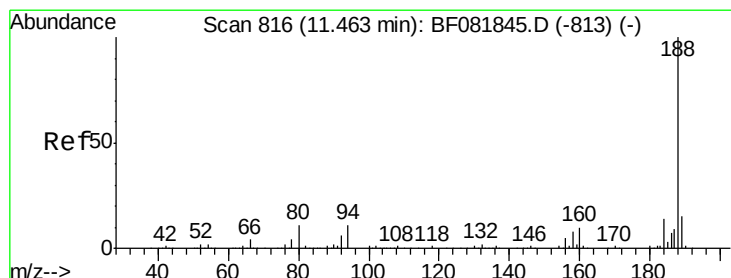
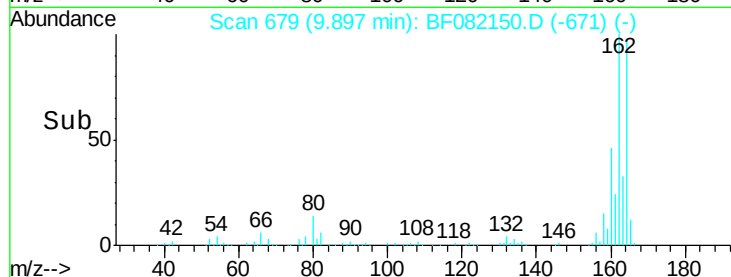
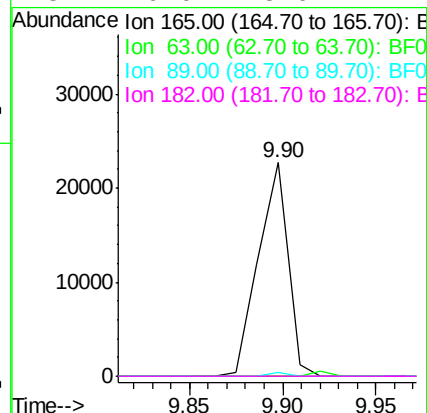
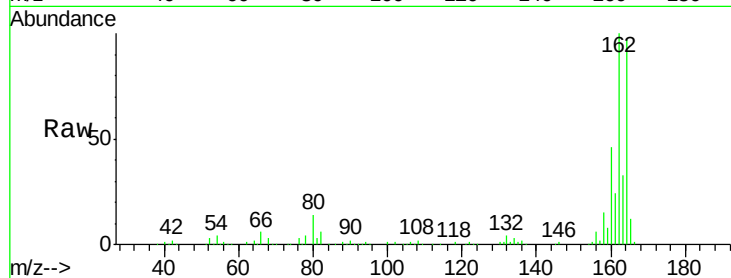




#56
 2,4-Dinitrotoluene
 Concen: 6.54 ng
 RT: 9.90 min Scan# 679
 Delta R.T. -0.21 min
 Lab File: BF082150.D
 Acq: 9 Oct 2015 17:39

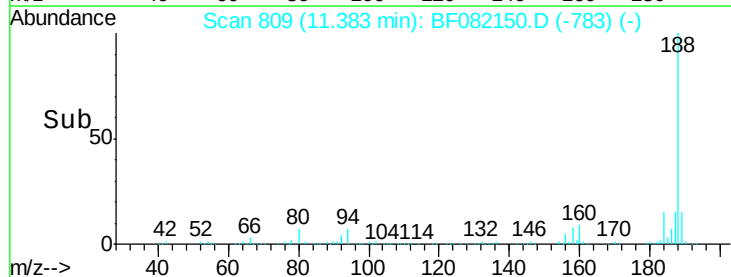
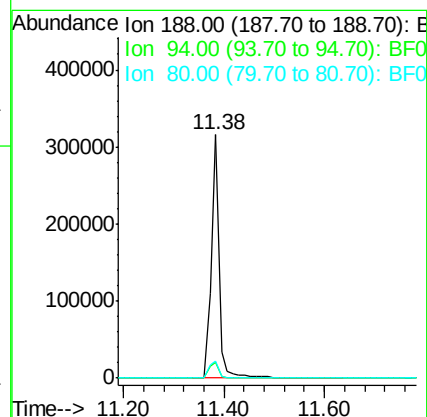
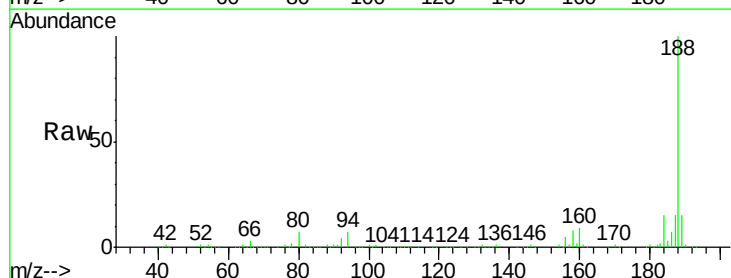
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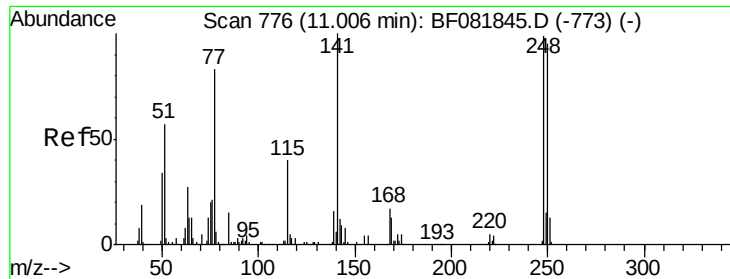
Tot Ion:165 Resp: 24873
 Ion Ratio Lower Upper
 165 100
 63 0.0 29.8 44.6#
 89 1.7 44.5 66.7#
 182 0.0 3.0 4.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 809
 Delta R.T. -0.00 min
 Lab File: BF082150.D
 Acq: 9 Oct 2015 17:39

Tgt Ion:188 Resp: 342258
 Ion Ratio Lower Upper
 188 100
 94 6.7 11.1 16.7#
 80 7.0 11.0 16.4#

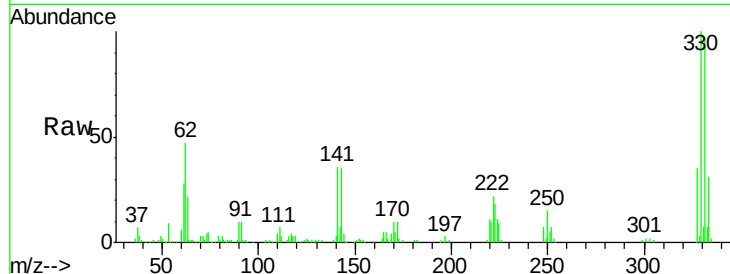




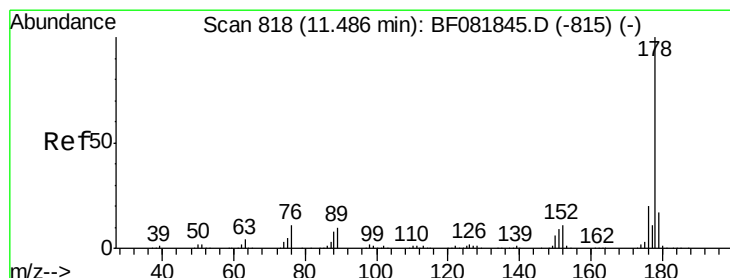
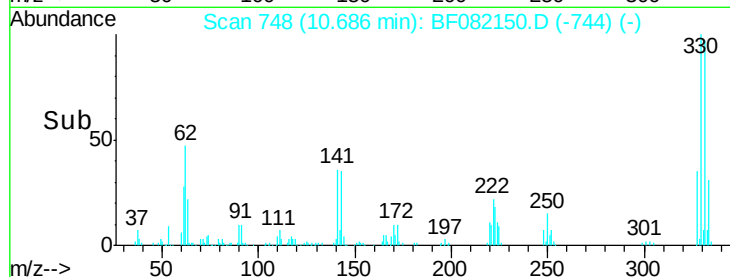
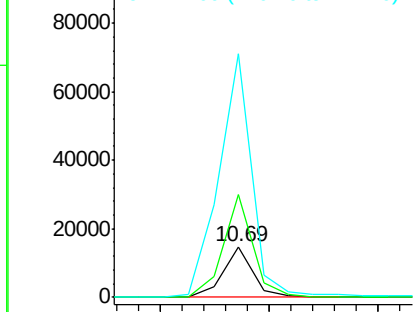
#66
4-Bromophenyl-phenylether
Concen: 3.98 ng
RT: 10.69 min Scan# 748
Delta R.T. -0.25 min
Lab File: BF082150.D
Acq: 9 Oct 2015 17:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13726
Ion Ratio Lower Upper
248 100
250 205.5 78.5 117.7#
141 483.6 59.0 88.6#

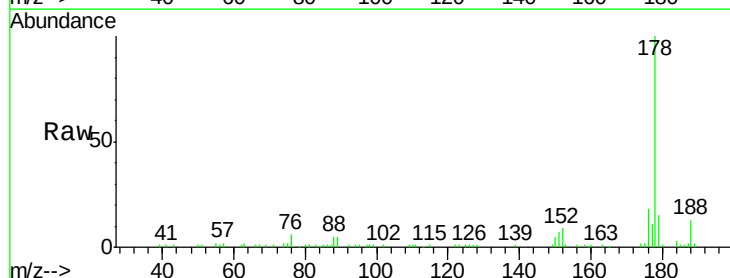


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

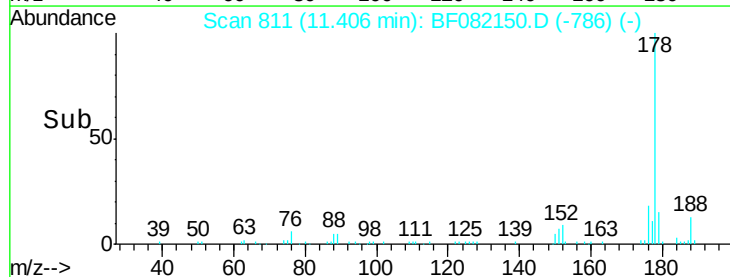
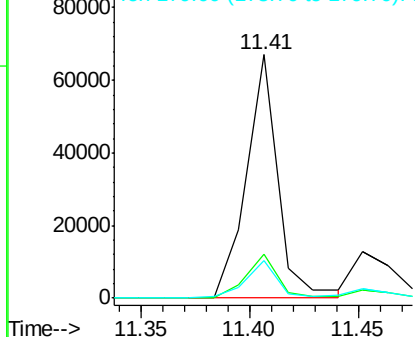


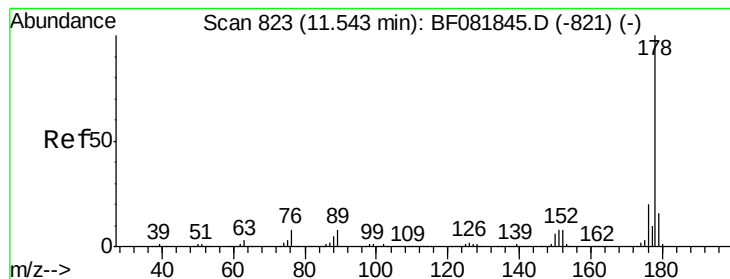
#70
Phenanthrene
Concen: 2.53 ng
RT: 11.41 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF082150.D
Acq: 9 Oct 2015 17:39

Tgt Ion:178 Resp: 67514
Ion Ratio Lower Upper
178 100
176 18.2 13.8 20.8
179 15.5 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: 3.88 ng

RT: 11.41 min Scan# 811

Delta R.T. -0.06 min

Lab File: BF082150.D

Acq: 9 Oct 2015 17:39

Instrument :

BNA_F

ClientSampleId :

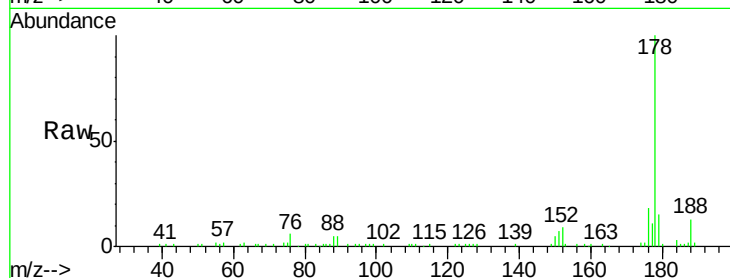
Tot Ion:178 Resp: 67514

Ion Ratio Lower Upper

178 100

176 18.2 14.1 21.1

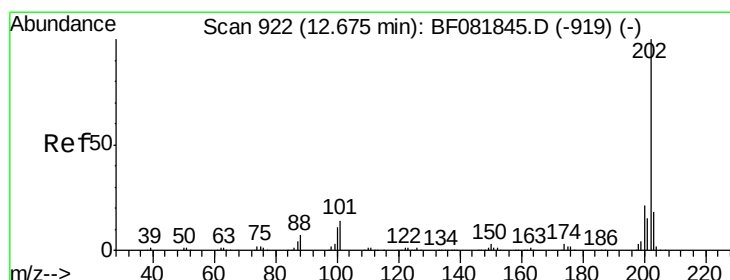
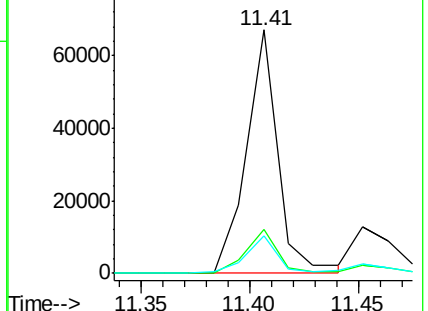
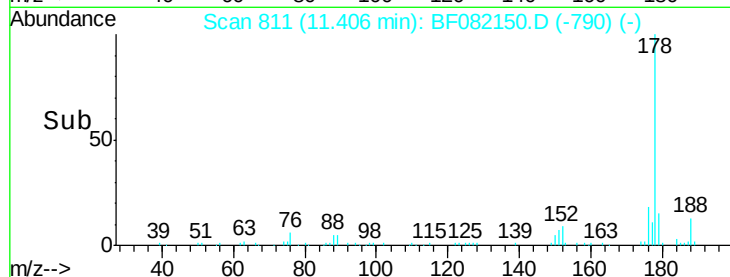
179 15.5 12.2 18.2



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: 4.69 ng

RT: 12.59 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF082150.D

Acq: 9 Oct 2015 17:39

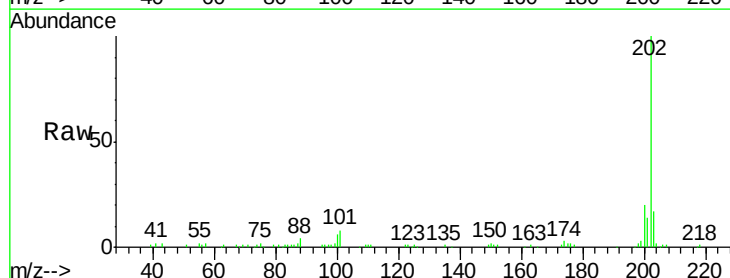
Tgt Ion:202 Resp: 86028

Ion Ratio Lower Upper

202 100

101 7.9 0.0 38.3

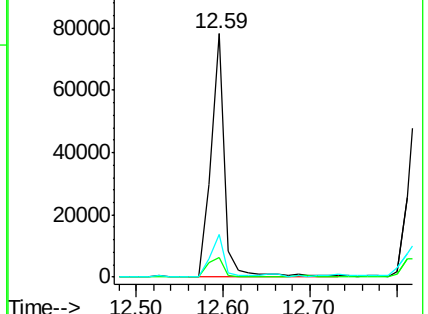
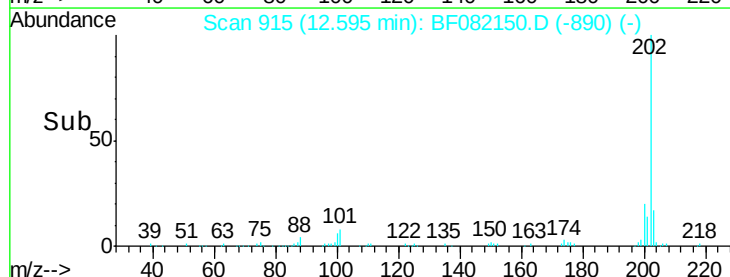
203 17.3 0.0 37.3

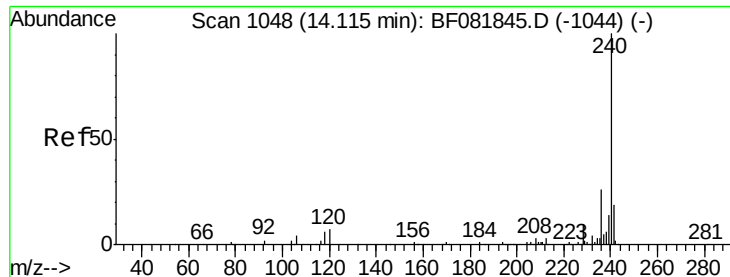


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.02 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF082150.D

Acq: 9 Oct 2015 17:39

Instrument :

BNA_F

ClientSampleId :

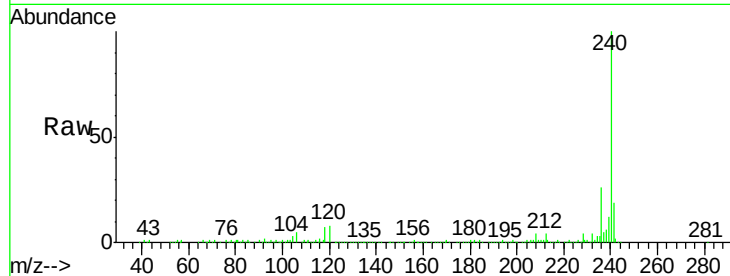
Tot Ion:240 Resp: 259391

Ion Ratio Lower Upper

240 100

120 7.8 16.2 24.2#

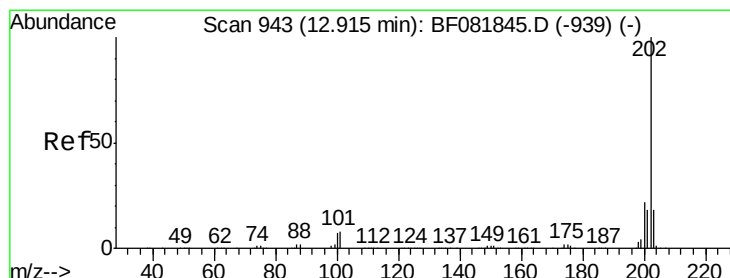
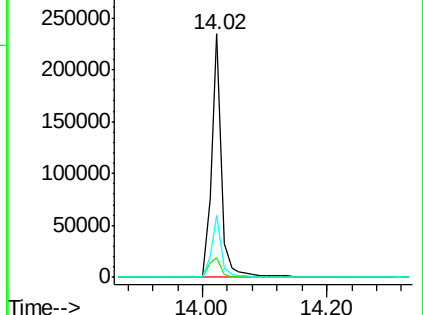
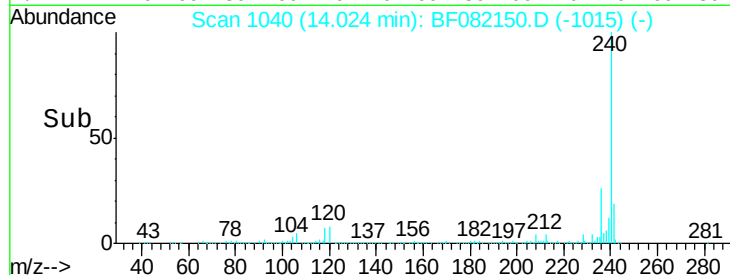
236 25.5 18.4 27.6



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: 5.01 ng

RT: 12.82 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF082150.D

Acq: 9 Oct 2015 17:39

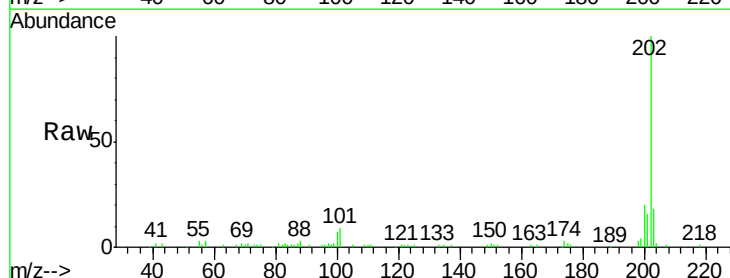
Tgt Ion:202 Resp: 77607

Ion Ratio Lower Upper

202 100

200 20.1 15.0 22.4

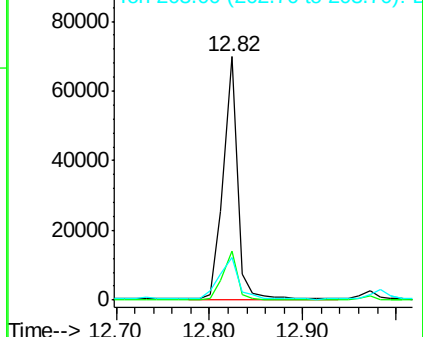
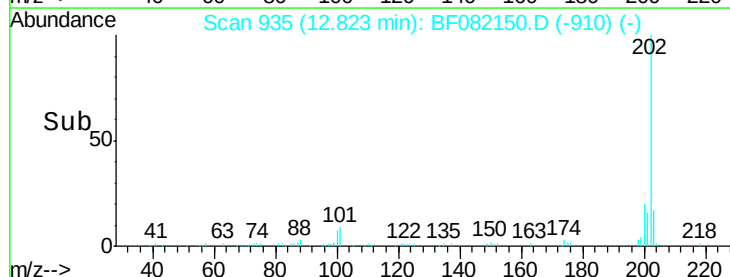
203 17.6 14.1 21.1

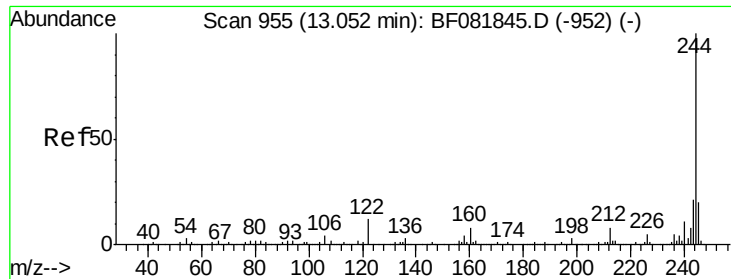


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

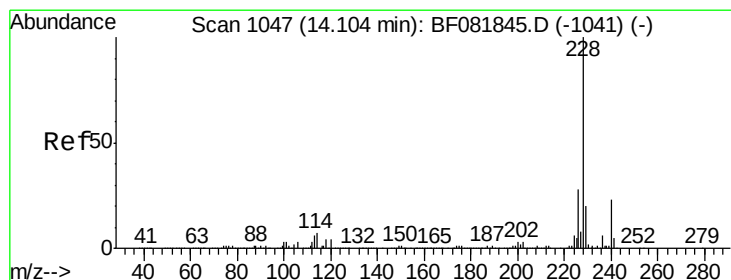
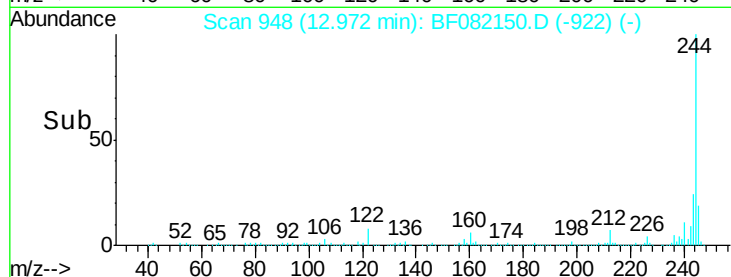
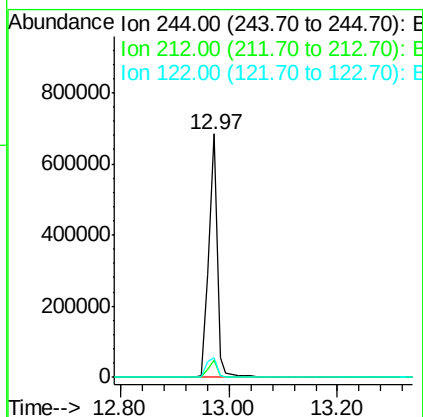
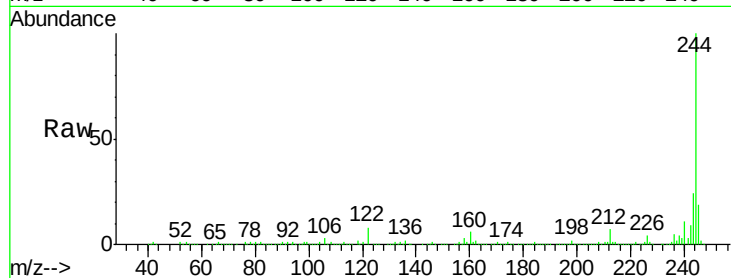




#78
 Terphenyl-d14
 Concen: 96.47 ng
 RT: 12.97 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: BF082150.D
 Acq: 9 Oct 2015 17:39

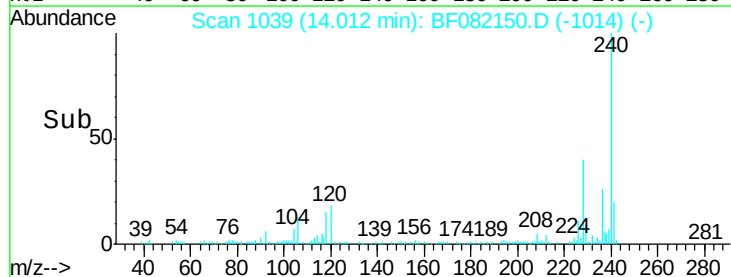
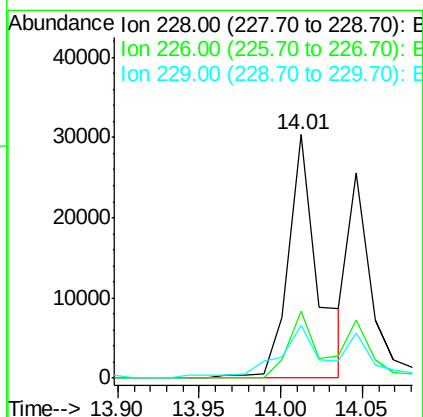
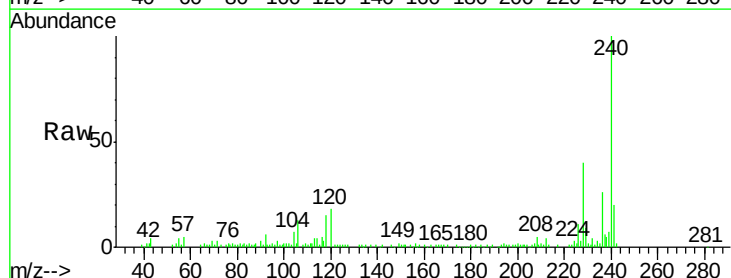
Instrument :
 BNA_F
 ClientSampleId :

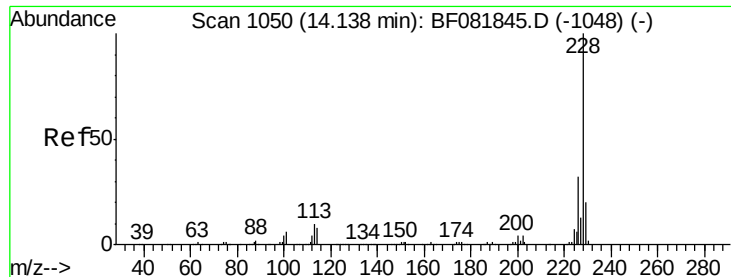
Tot Ion:244 Resp: 746166
 Ion Ratio Lower Upper
 244 100
 212 7.0 4.3 6.5#
 122 7.8 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 2.78 ng
 RT: 14.01 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: BF082150.D
 Acq: 9 Oct 2015 17:39

Tgt Ion:228 Resp: 38839
 Ion Ratio Lower Upper
 228 100
 226 27.5 20.0 30.0
 229 21.6 15.4 23.2





#82

Chrysene

Concen: 2.99 ng

RT: 14.01 min Scan# 1039

Delta R.T. -0.05 min

Lab File: BF082150.D

Acq: 9 Oct 2015 17:39

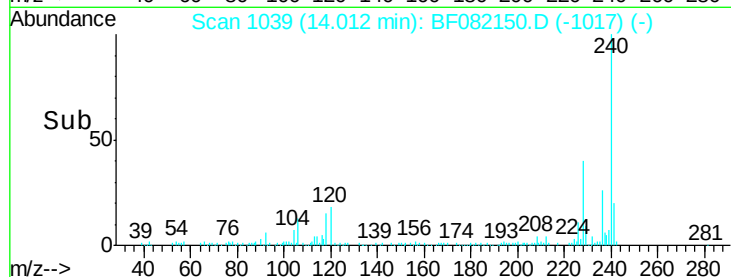
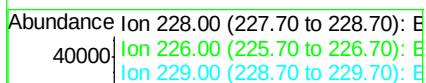
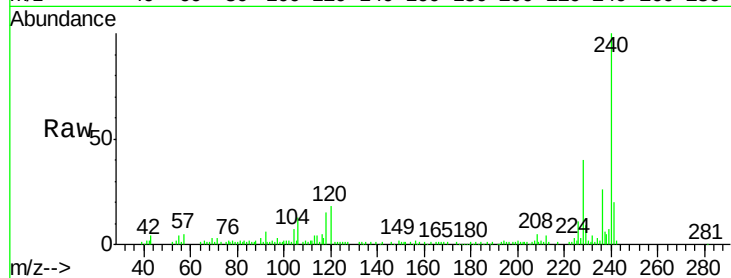
Instrument :

BNA_F

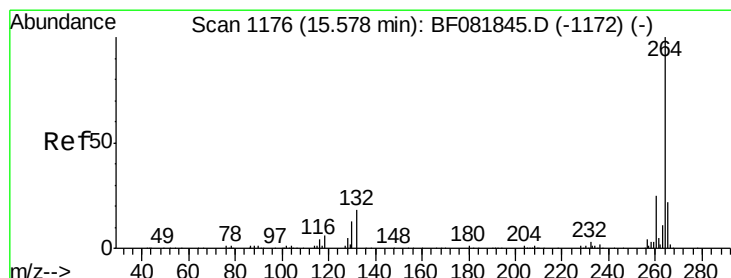
ClientSampleId :

Tot Ion:228 Resp: 38839

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.0	31.4
229	21.6	15.6	23.4



Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.46 min Scan# 1166

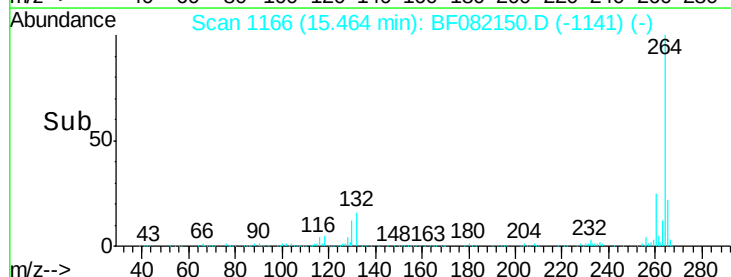
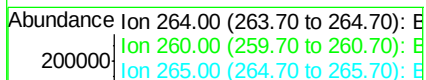
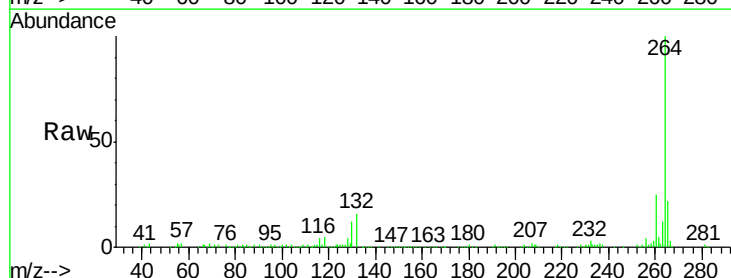
Delta R.T. -0.01 min

Lab File: BF082150.D

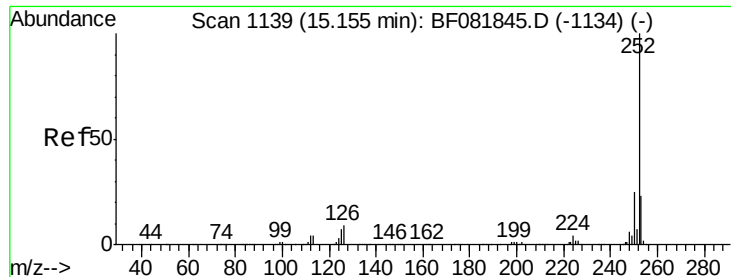
Acq: 9 Oct 2015 17:39

Tgt Ion:264 Resp: 217645

Ion	Ratio	Lower	Upper
264	100		
260	24.7	16.7	25.1
265	21.9	17.2	25.8



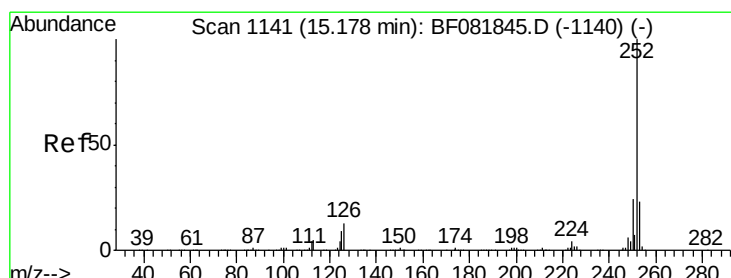
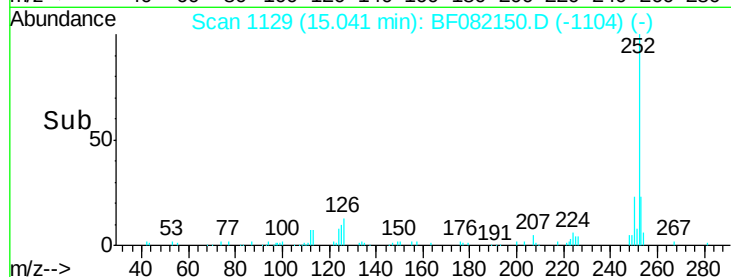
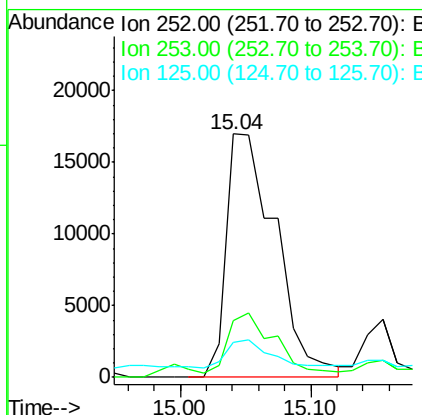
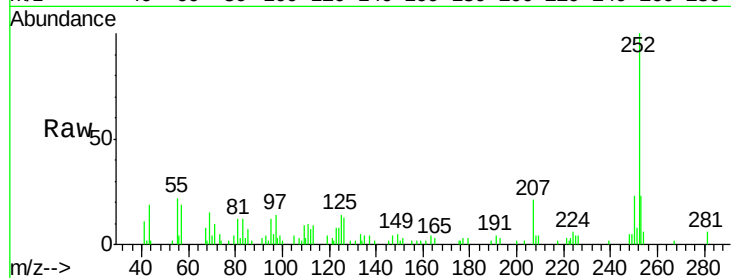
Time-->



#87
Benzo(b)fluoranthene
Concen: 3.60 ng
RT: 15.04 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF082150.D
Acq: 9 Oct 2015 17:39

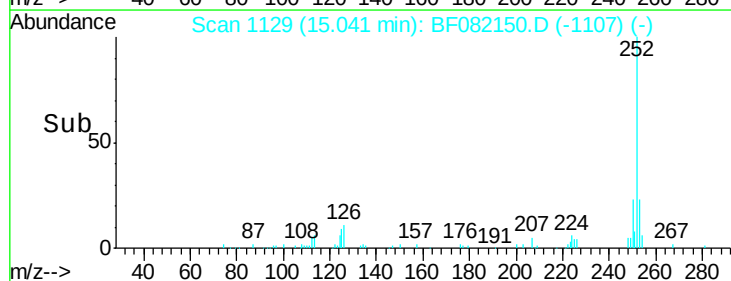
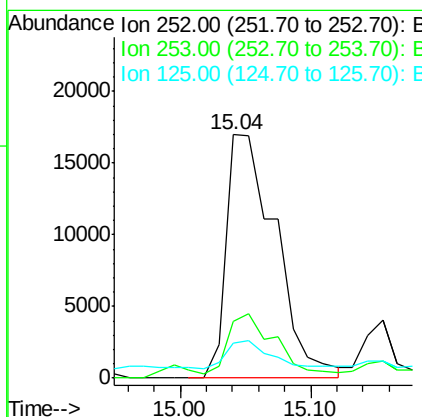
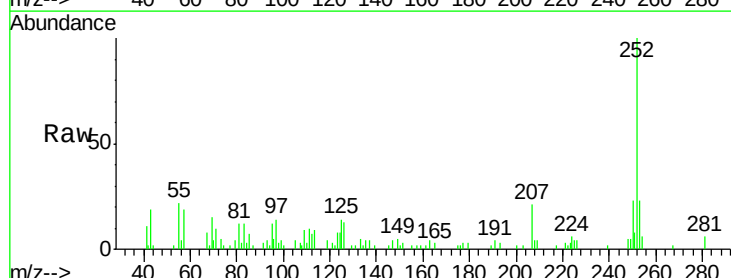
Instrument :
BNA_F
ClientSampleId :

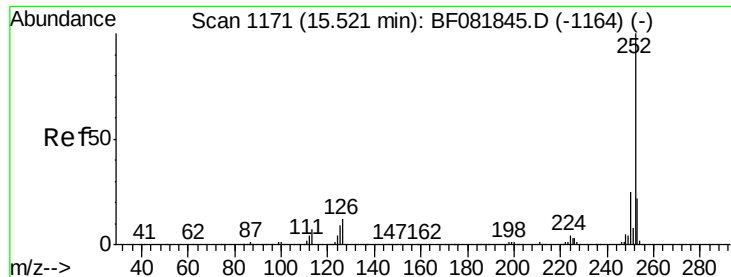
Tot Ion:252 Resp: 44683
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 14.4 17.1 25.7#



#88
Benzo(k)fluoranthene
Concen: 3.92 ng
RT: 15.04 min Scan# 1129
Delta R.T. -0.05 min
Lab File: BF082150.D
Acq: 9 Oct 2015 17:39

Tgt Ion:252 Resp: 44683
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.4
125 14.4 16.0 24.0#





#89
 Benzo(a)pyrene
 Concen: 2.29 ng
 RT: 15.40 min Scan# 1160
 Delta R.T. -0.02 min
 Lab File: BF082150.D
 Acq: 9 Oct 2015 17:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.2	25.8
125	17.7	18.0	27.0

