

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101015\
 Data File : BF082204.D
 Acq On : 11 Oct 2015 5:11
 Operator : UM/IZ
 Sample : G3979-07
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 12 03:05:18 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 02:59:50 2015
 Response via : Initial Calibration

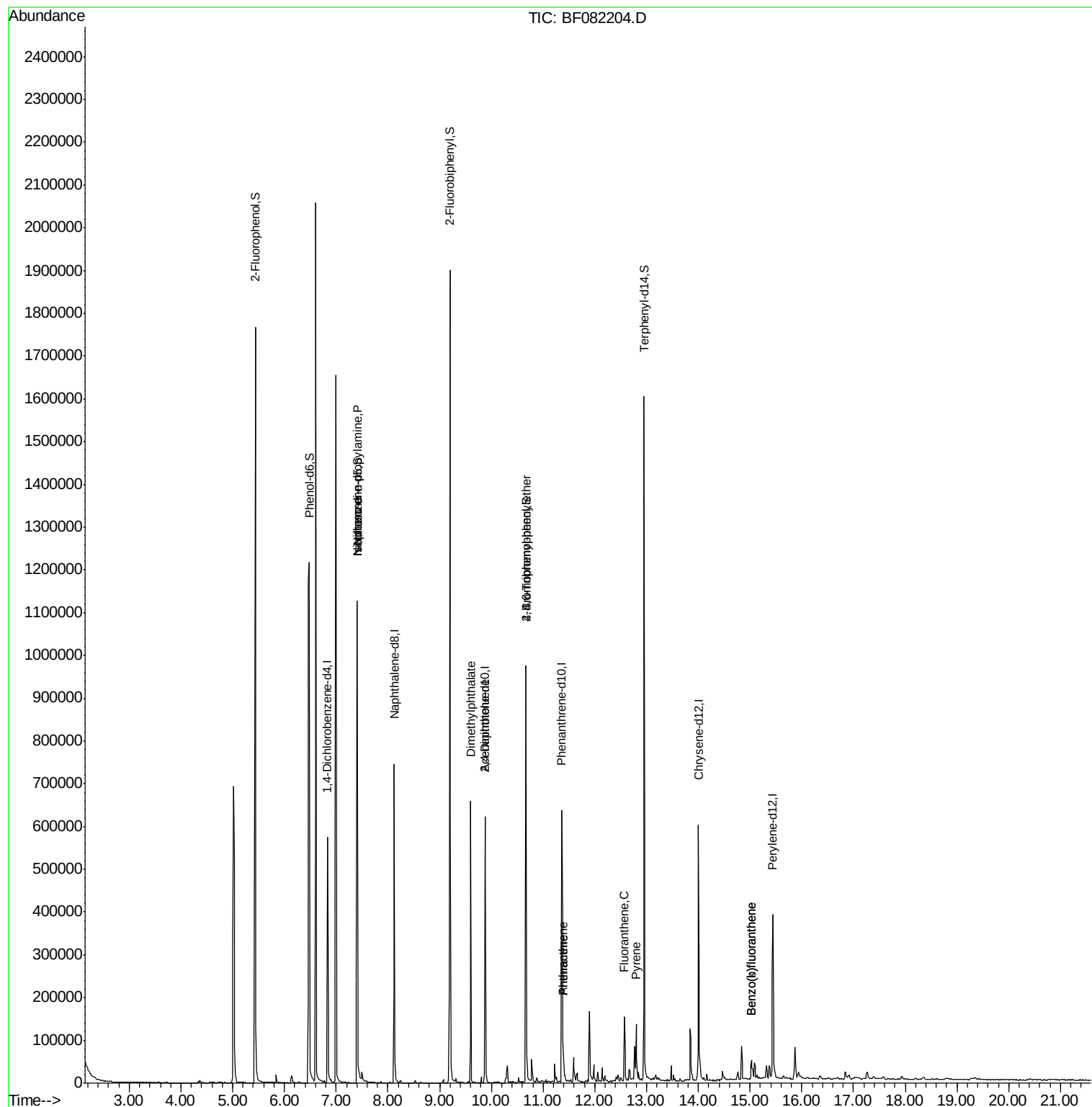
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	96555	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	382011	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	179815	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	331631	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	251940	20.00	ng	-0.01
86) Perylene-d12	15.44	264	206594	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	553120	115.61	ng	0.01
7) Phenol-d6	6.48	99	720819	115.78	ng	0.00
23) Nitrobenzene-d5	7.41	82	422358	74.25	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	187139	110.97	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	697581	64.34	ng	-0.01
78) Terphenyl-d14	12.95	244	579263	60.93	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	54732	12.52	ng	# 81
25) Isophorone	7.41	82	353553	30.79	ng	# 66
49) Dimethylphthalate	9.60	163	266203	21.02	ng	99
56) 2,4-Dinitrotoluene	9.87	165	22429	6.72	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	11747	3.54	ng	# 1
70) Phenanthrene	11.38	178	37454	2.30	ng	97
71) Anthracene	11.38	178	37454	2.24	ng	99
74) Fluoranthene	12.57	202	77068	4.41	ng	97
77) Pyrene	12.80	202	62122	4.15	ng	98
87) Benzo(b)fluoranthene	15.03	252	42854	3.41	ng	99
88) Benzo(k)fluoranthene	15.03	252	42854	4.06	ng	98

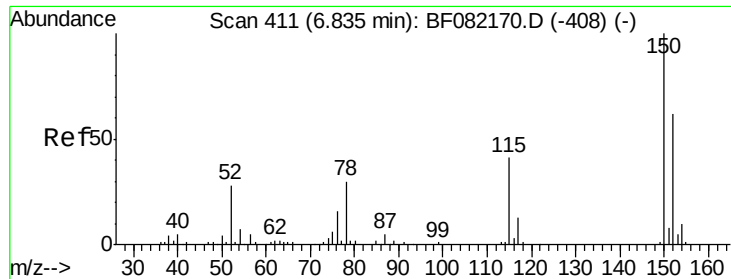
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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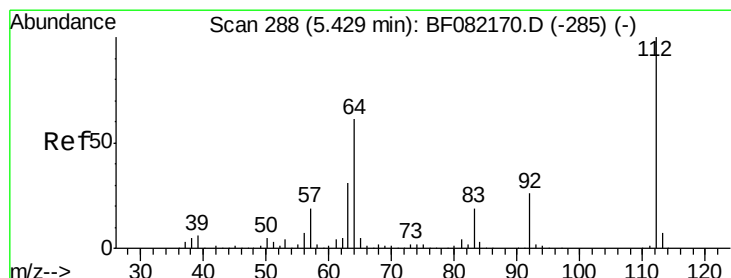
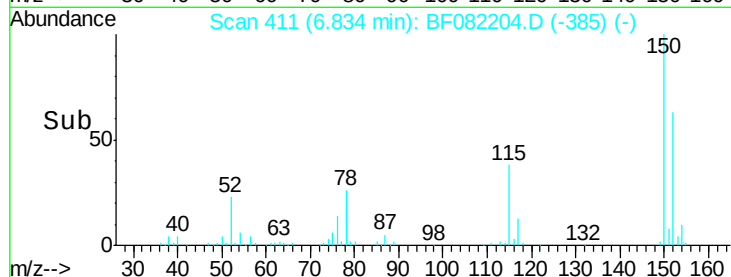
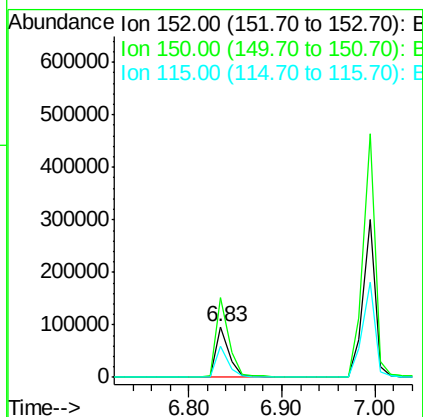
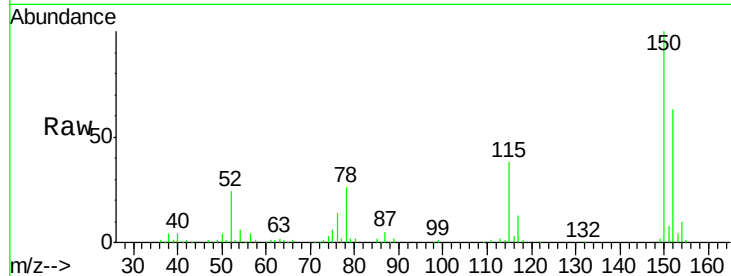


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 411
Delta R.T. 0.00 min
Lab File: BF082204.D
Acq: 11 Oct 2015 5:11

Instrument :
BNA_F
ClientSampleId :

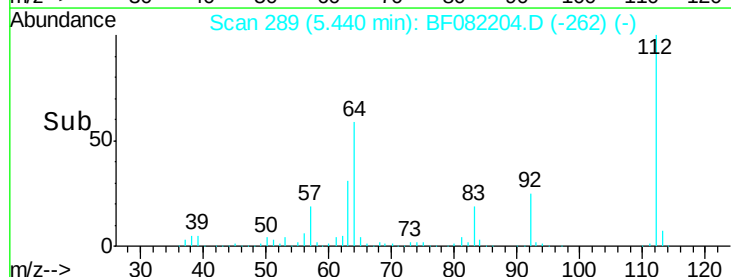
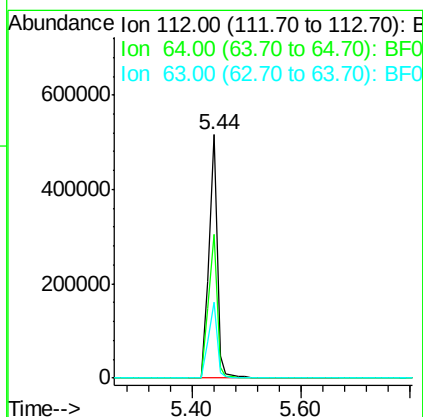
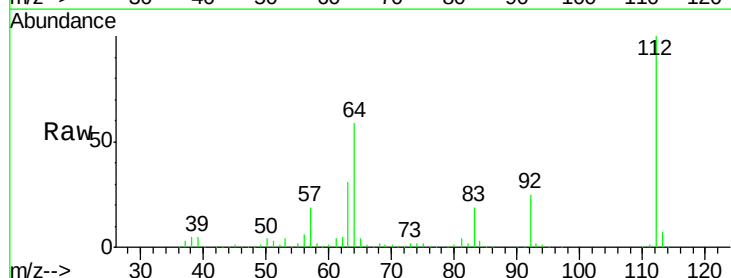
Tot Ion:152 Resp: 96555
Ion Ratio Lower Upper
152 100
150 158.0 129.0 193.4
115 60.7 52.1 78.1

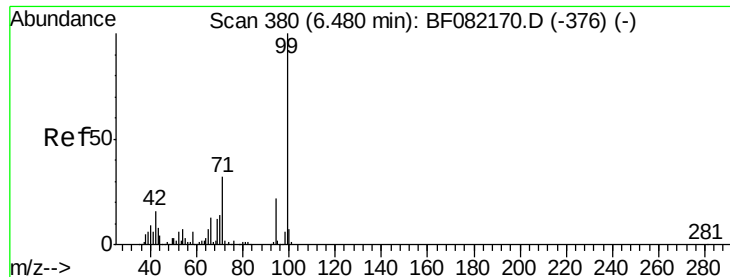


#5

2-Fluorophenol
Concen: 115.61 ng
RT: 5.44 min Scan# 289
Delta R.T. 0.01 min
Lab File: BF082204.D
Acq: 11 Oct 2015 5:11

Tgt Ion:112 Resp: 553120
Ion Ratio Lower Upper
112 100
64 59.0 48.6 73.0
63 31.2 25.1 37.7





#7

Phenol-d6

Concen: 115.78 ng

RT: 6.48 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF082204.D

Acq: 11 Oct 2015 5:11

Instrument :

BNA_F

ClientSampleId :

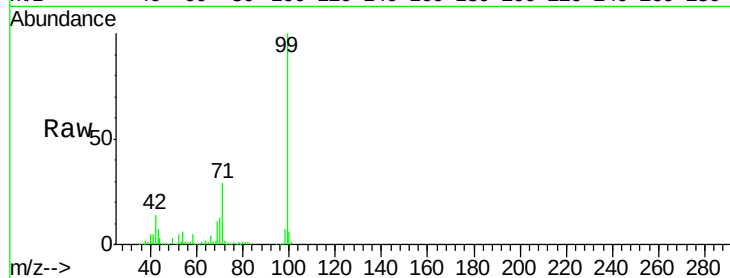
Tot Ion: 99 Resp: 720819

Ion Ratio Lower Upper

99 100

42 13.9 13.2 19.8

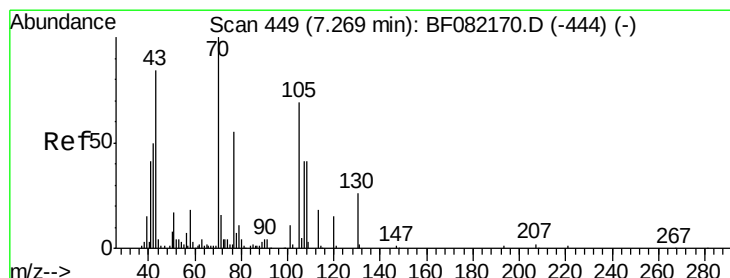
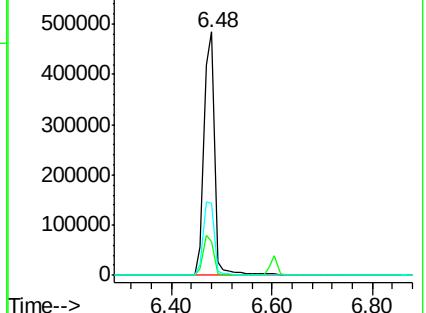
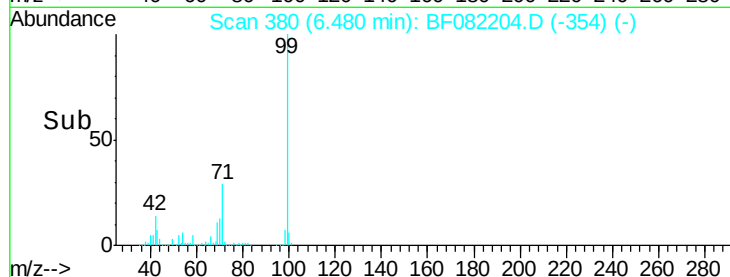
71 29.5 25.6 38.4



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: 12.52 ng

RT: 7.41 min Scan# 461

Delta R.T. 0.15 min

Lab File: BF082204.D

Acq: 11 Oct 2015 5:11

Tgt Ion: 70 Resp: 54732

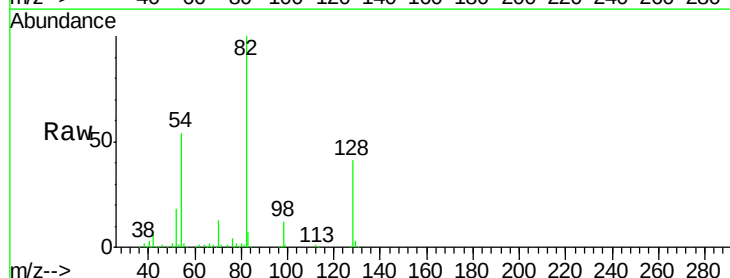
Ion Ratio Lower Upper

70 100

42 47.7 39.8 59.8

101 0.0 8.6 13.0#

130 1.9 20.5 30.7#

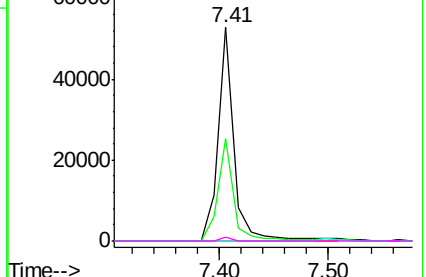
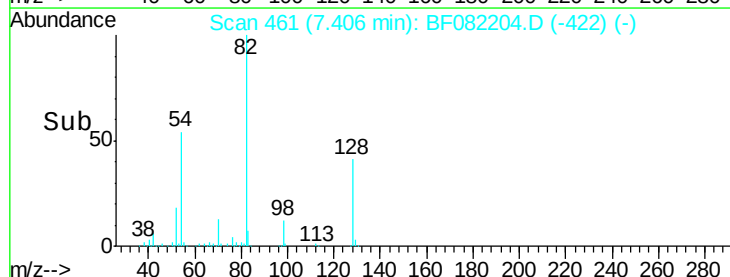


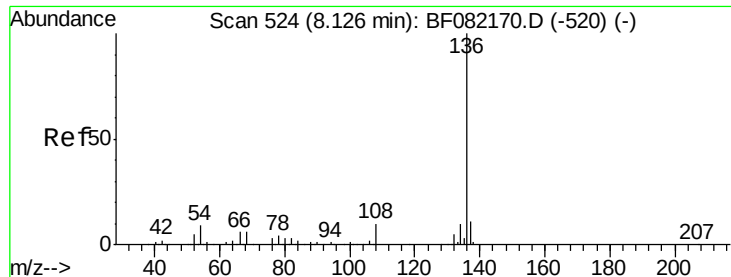
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

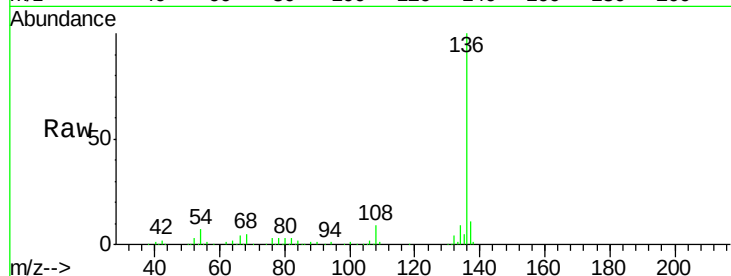




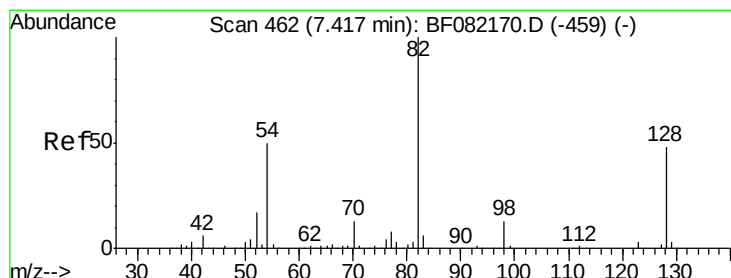
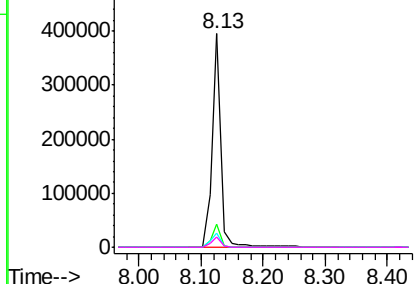
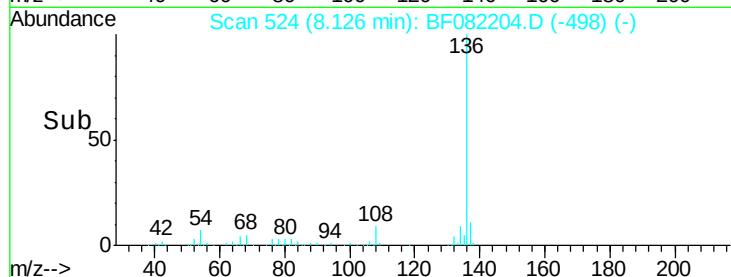
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 524
Delta R.T. 0.00 min
Lab File: BF082204.D
Acq: 11 Oct 2015 5:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	382011
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.0 13.6
54	6.7	7.5 11.3#
68	4.7	4.6 7.0

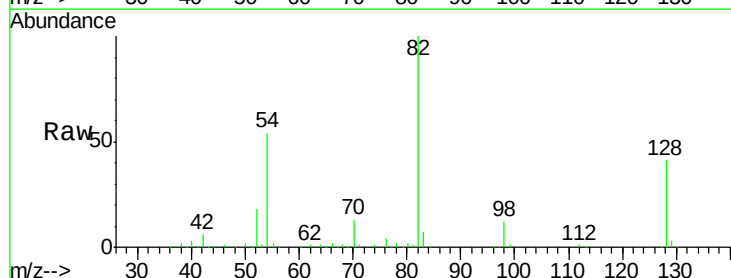


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

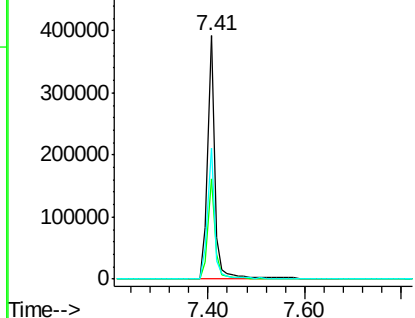
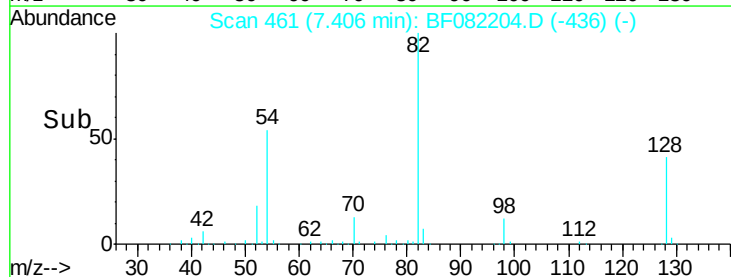


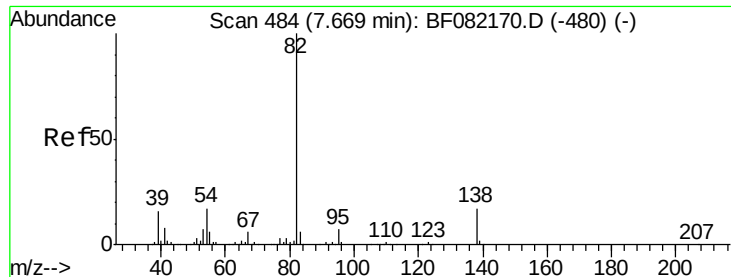
#23
Nitrobenzene-d5
Concen: 74.25 ng
RT: 7.41 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF082204.D
Acq: 11 Oct 2015 5:11

Tgt Ion: 82	Resp:	422358
Ion Ratio	Lower	Upper
82	100	
128	41.3	38.7 58.1
54	53.9	40.1 60.1



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

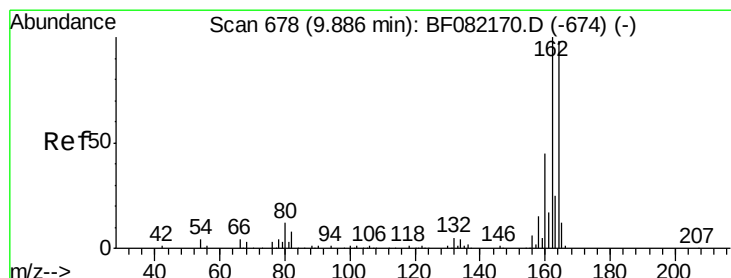
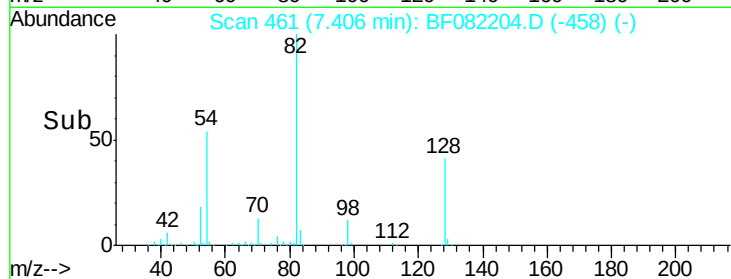
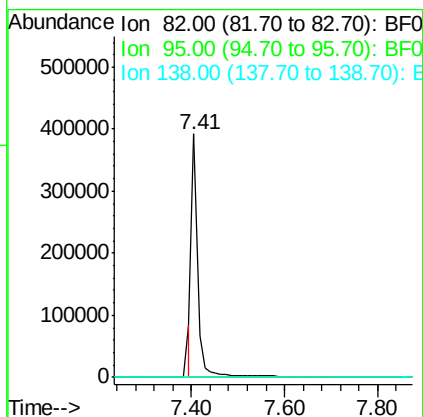
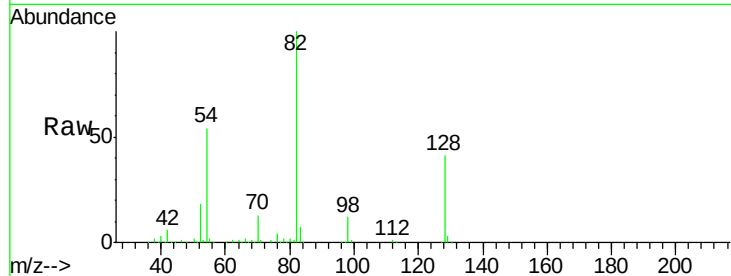




#25
Isophorone
Concen: 30.79 ng
RT: 7.41 min Scan# 461
Delta R.T. -0.26 min
Lab File: BF082204.D
Acq: 11 Oct 2015 5:11

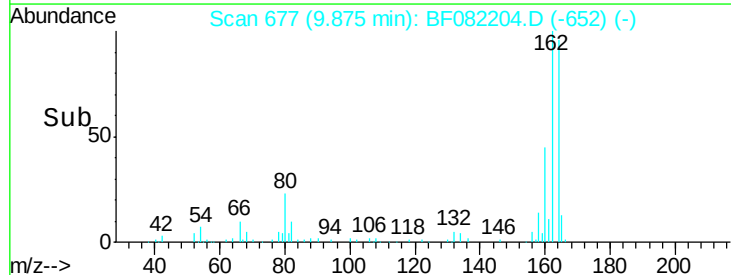
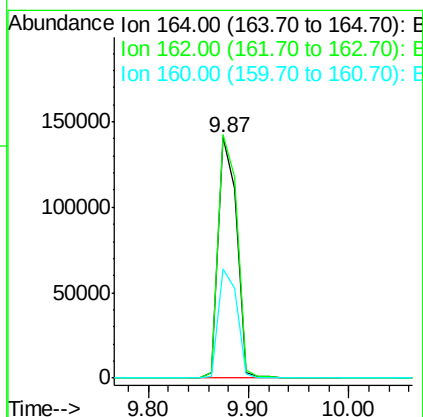
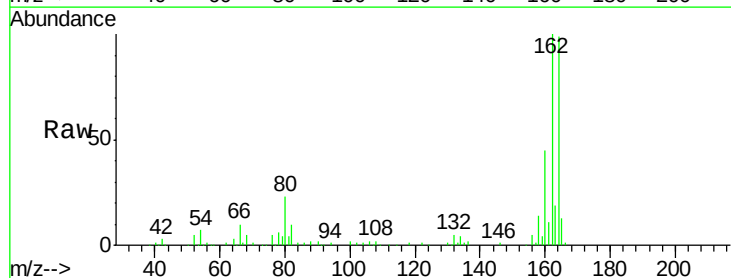
Instrument :
BNA_F
ClientSampled :

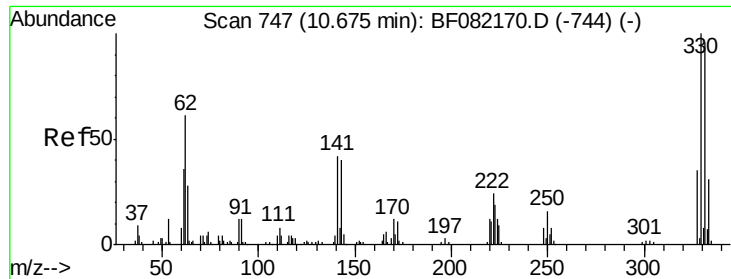
Tot Ion: 82 Resp: 353553
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 13.6 20.4#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 677
Delta R.T. -0.01 min
Lab File: BF082204.D
Acq: 11 Oct 2015 5:11

Tgt Ion:164 Resp: 179815
Ion Ratio Lower Upper
164 100
162 101.2 81.6 122.4
160 45.2 36.4 54.6

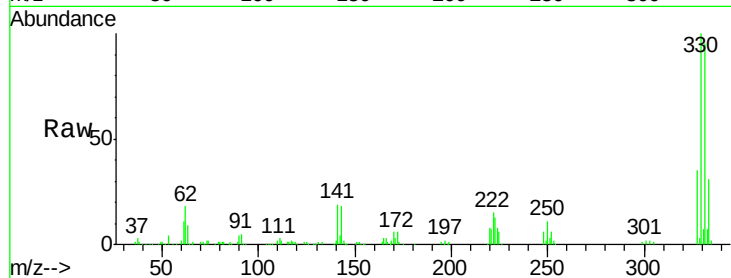




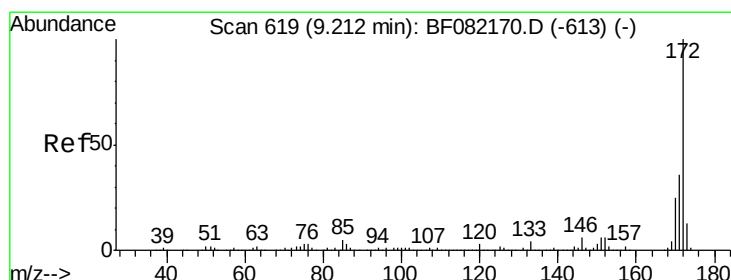
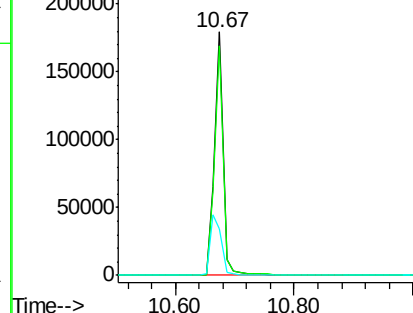
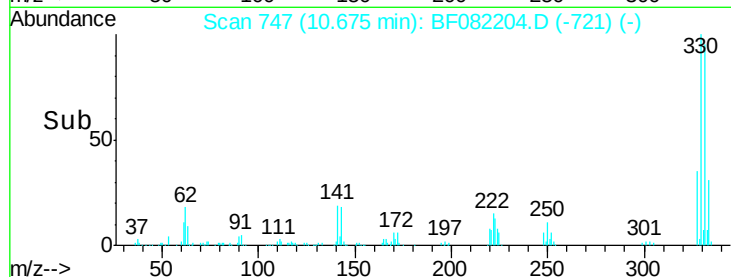
#41
 2,4,6-Tribromophenol
 Concen: 110.97 ng
 RT: 10.67 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF082204.D
 Acq: 11 Oct 2015 5:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.1	115.7
141	32.0	29.8	44.8

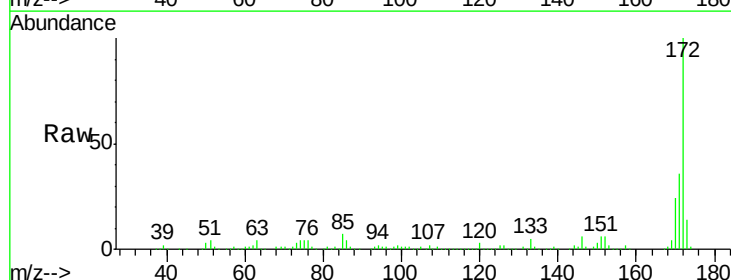


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

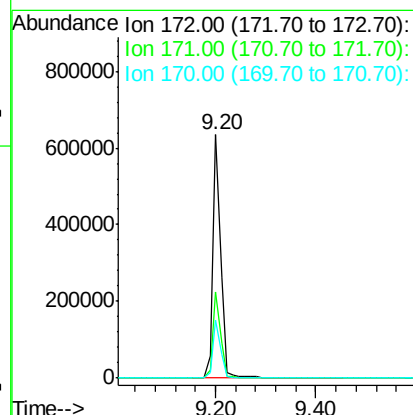
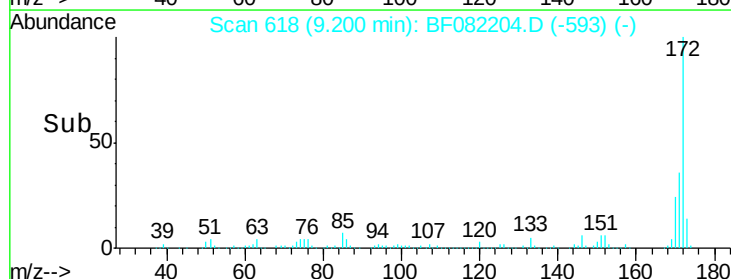


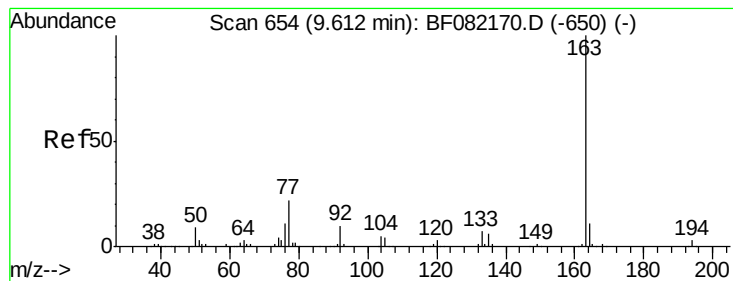
#44
 2-Fluorobiphenyl
 Concen: 64.34 ng
 RT: 9.20 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF082204.D
 Acq: 11 Oct 2015 5:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	42.8
170	23.8	19.7	29.5



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: 21.02 ng

RT: 9.60 min Scan# 653

Delta R.T. -0.01 min

Lab File: BF082204.D

Acq: 11 Oct 2015 5:11

Instrument :

BNA_F

ClientSampleId :

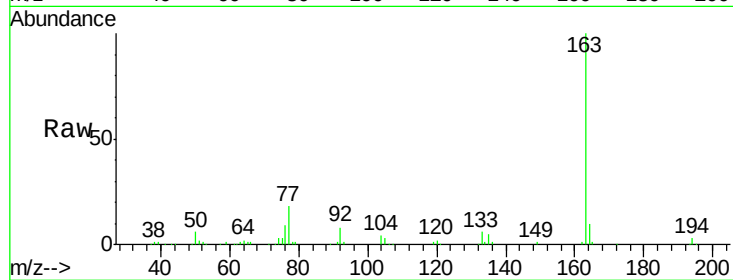
Tot Ion:163 Resp: 266203

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

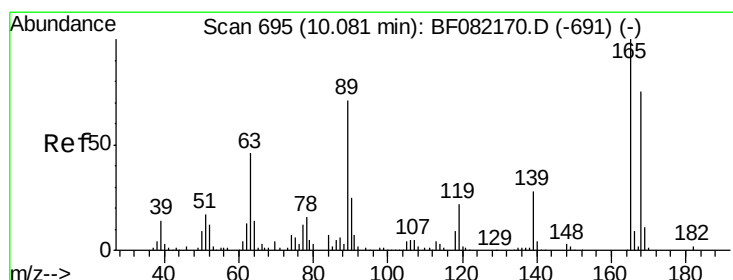
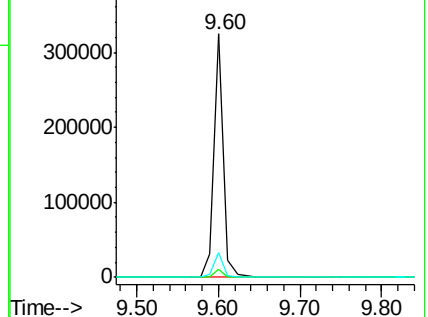
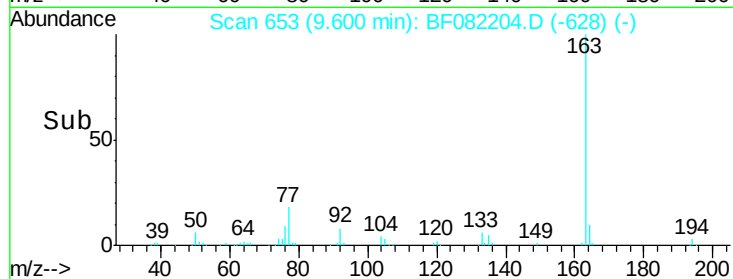
164 10.0 8.5 12.7



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



#56

2,4-Dinitrotoluene

Concen: 6.72 ng

RT: 9.87 min Scan# 677

Delta R.T. -0.21 min

Lab File: BF082204.D

Acq: 11 Oct 2015 5:11

Tgt Ion:165 Resp: 22429

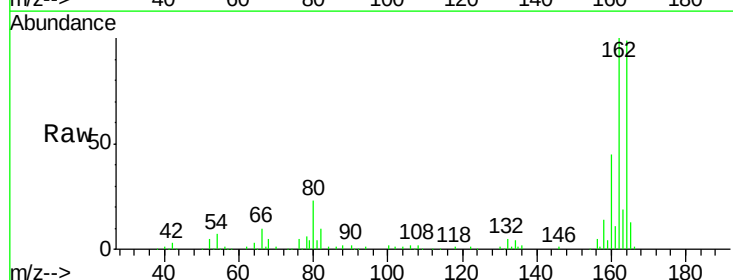
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 0.0 57.0 85.6#

182 0.0 1.8 2.6#

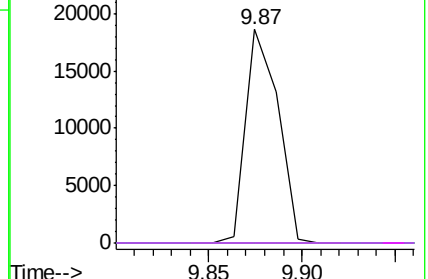
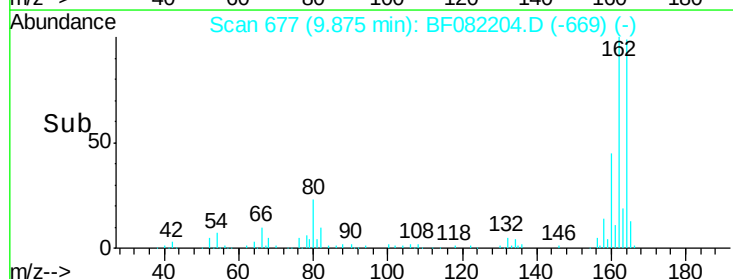


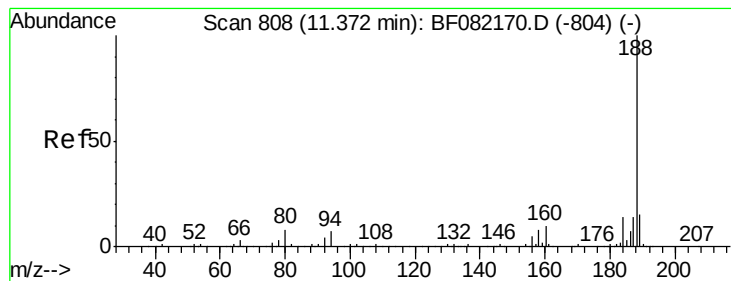
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF082204.D

Acq: 11 Oct 2015 5:11

Instrument :

BNA_F

ClientSampleId :

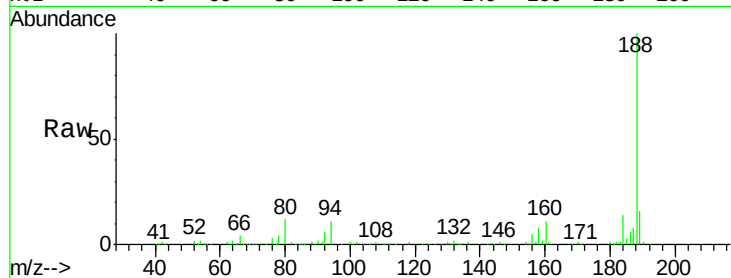
Tot Ion:188 Resp: 331631

Ion Ratio Lower Upper

188 100

94 10.9 5.8 8.6#

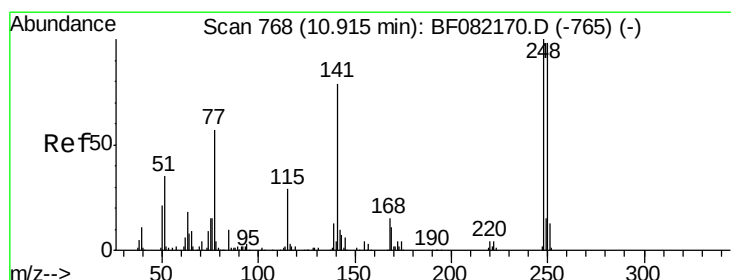
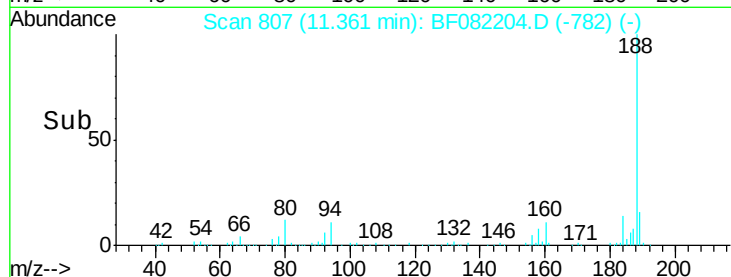
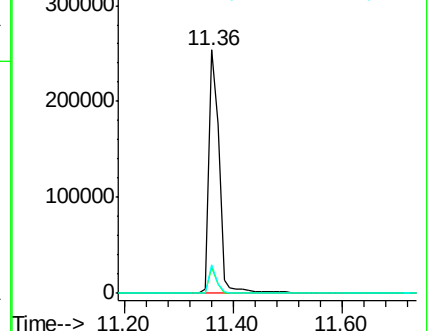
80 11.8 6.4 9.6#



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



#66

4-Bromophenyl-phenylether

Concen: 3.54 ng

RT: 10.67 min Scan# 747

Delta R.T. -0.24 min

Lab File: BF082204.D

Acq: 11 Oct 2015 5:11

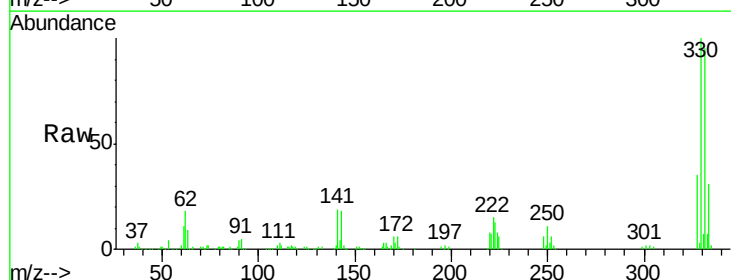
Tgt Ion:248 Resp: 11747

Ion Ratio Lower Upper

248 100

250 198.3 78.6 117.8#

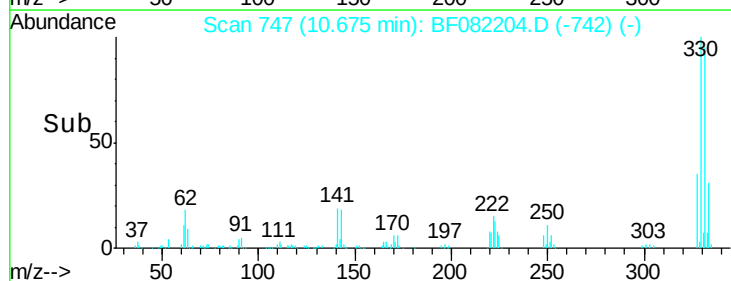
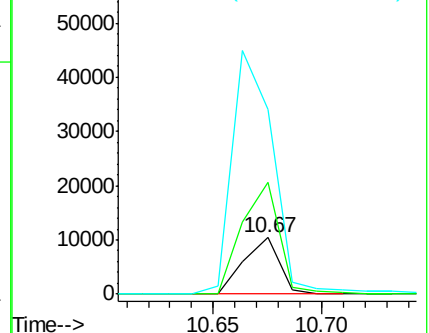
141 327.0 63.3 94.9#

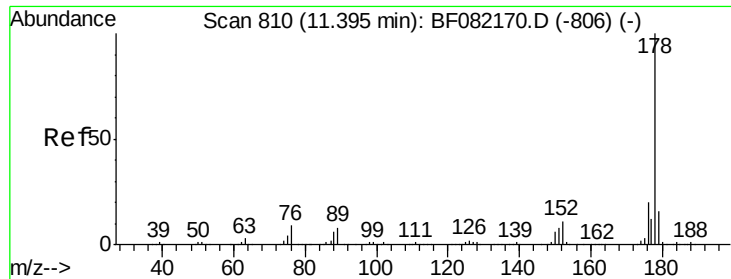


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

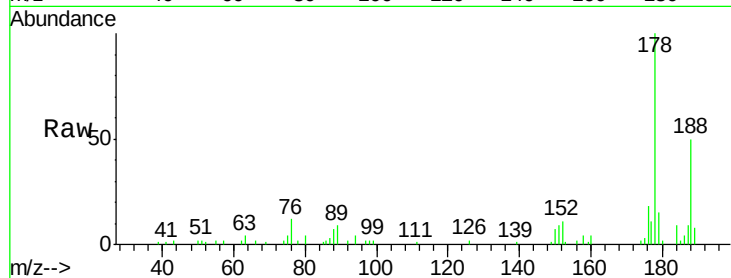




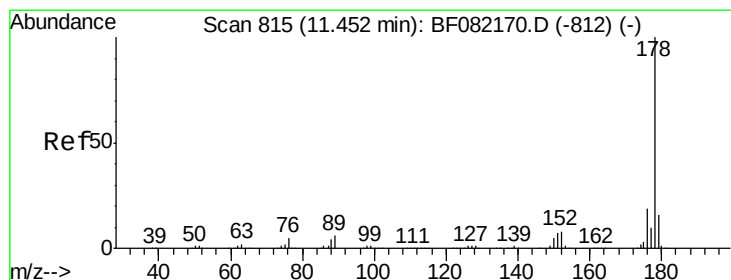
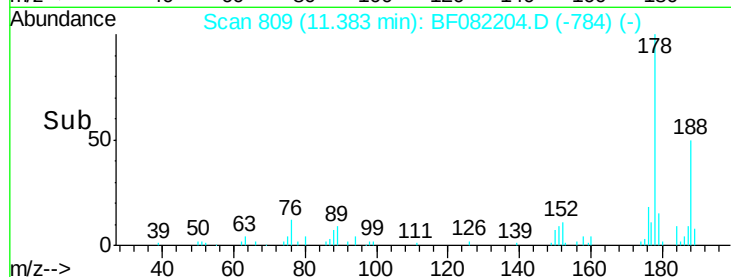
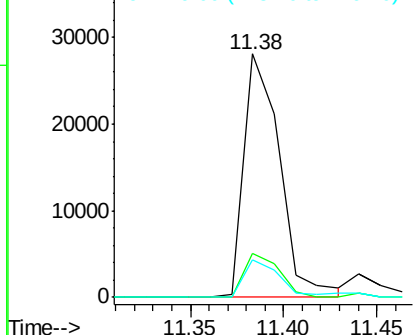
#70
Phenanthrene
Concen: 2.30 ng
RT: 11.38 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF082204.D
Acq: 11 Oct 2015 5:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 37454
Ion Ratio Lower Upper
178 100
176 18.2 16.0 24.0
179 15.4 12.6 19.0

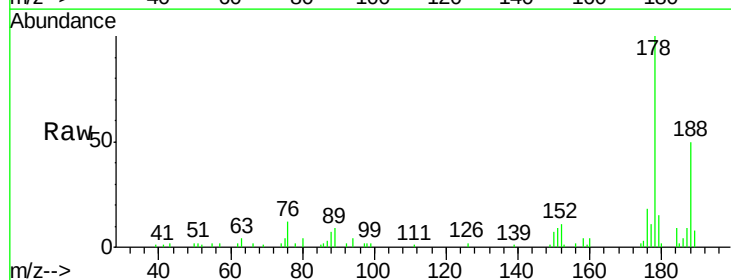


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

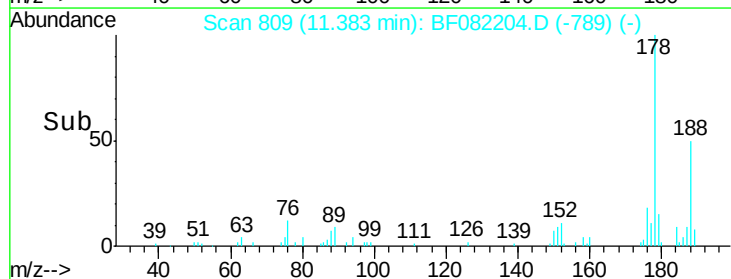
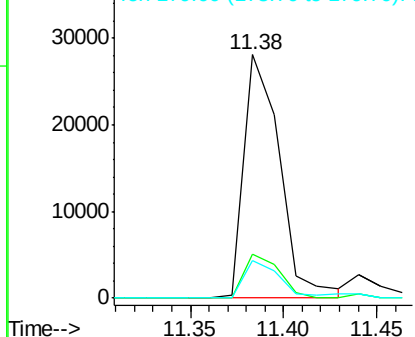


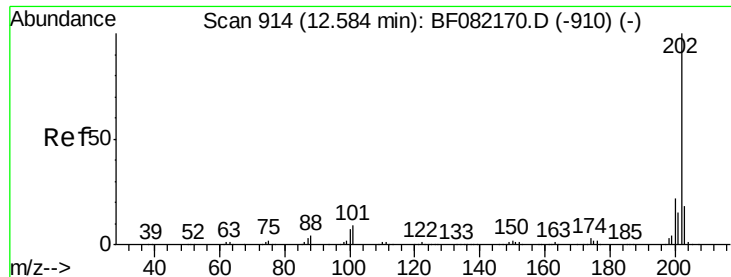
#71
Anthracene
Concen: 2.24 ng
RT: 11.38 min Scan# 809
Delta R.T. -0.07 min
Lab File: BF082204.D
Acq: 11 Oct 2015 5:11

Tgt Ion:178 Resp: 37454
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.0
179 15.4 12.5 18.7



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

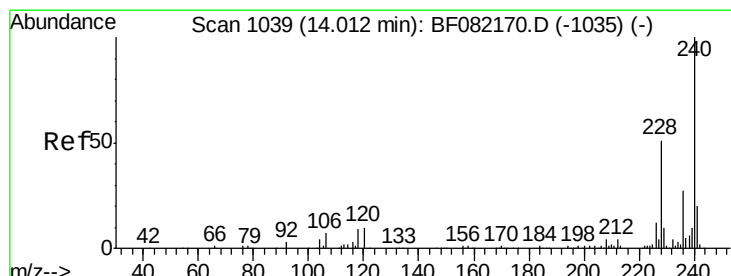
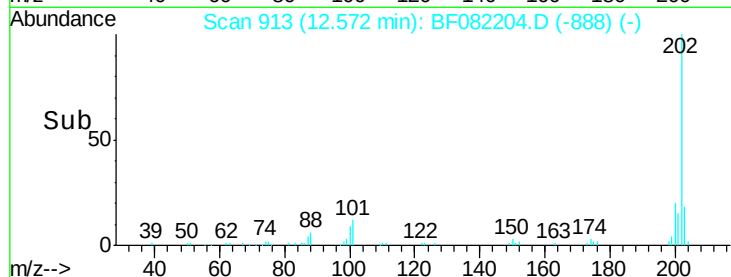
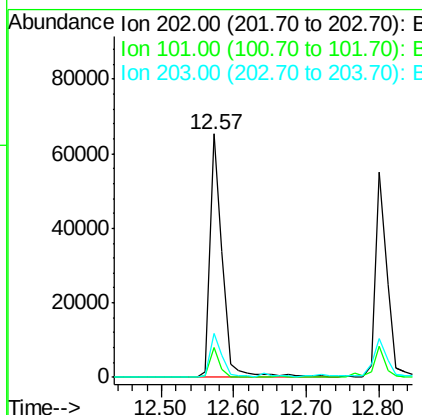
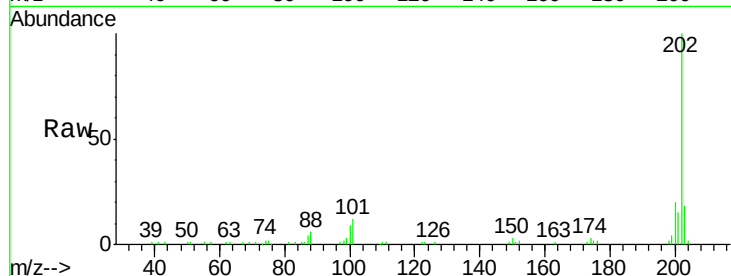




#74
 Fluoranthene
 Concen: 4.41 ng
 RT: 12.57 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: BF082204.D
 Acq: 11 Oct 2015 5:11

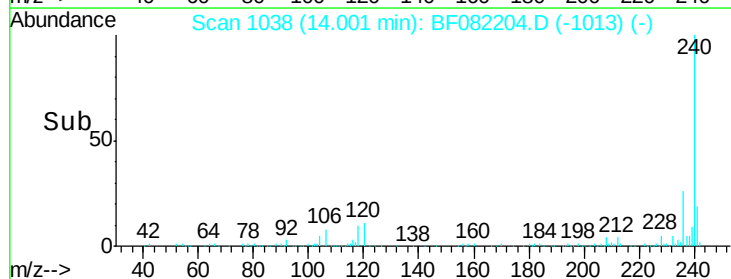
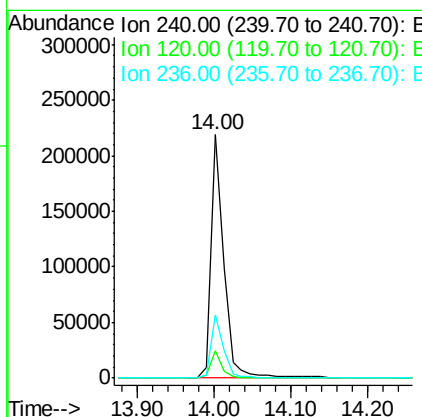
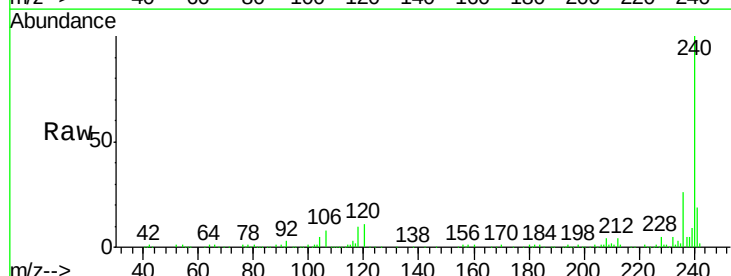
Instrument :
 BNA_F
 ClientSampleId :

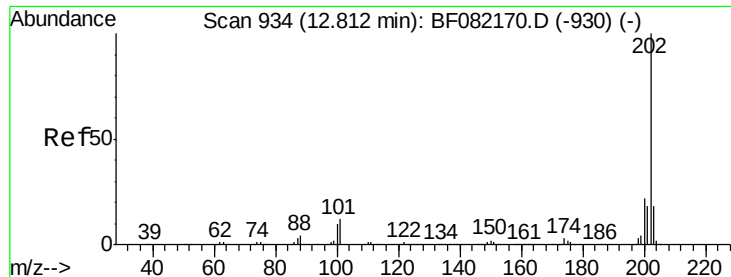
Tot Ion:202 Resp: 77068
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 29.3
 203 17.8 0.0 37.8



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.00 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF082204.D
 Acq: 11 Oct 2015 5:11

Tgt Ion:240 Resp: 251940
 Ion Ratio Lower Upper
 240 100
 120 11.0 8.1 12.1
 236 25.7 21.3 31.9





#77

Pvrene

Concen: 4.15 ng

RT: 12.80 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF082204.D

Acq: 11 Oct 2015 5:11

Instrument :

BNA_F

ClientSampleId :

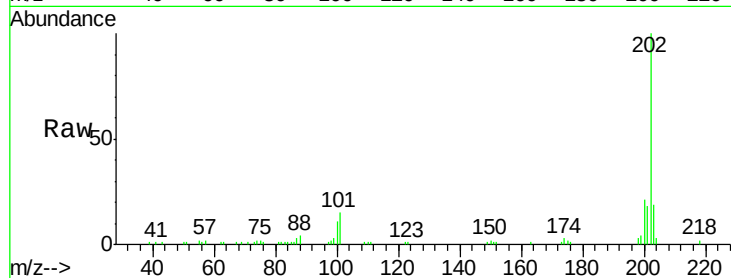
Tot Ion:202 Resp: 62122

Ion Ratio Lower Upper

202 100

200 21.5 17.9 26.9

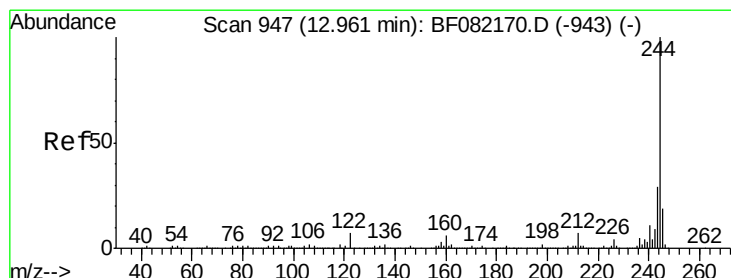
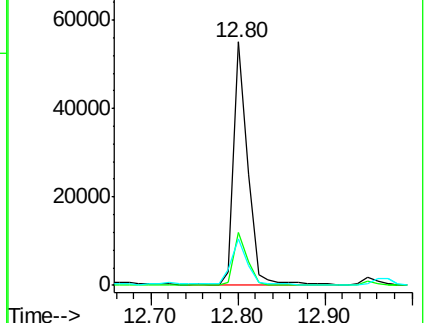
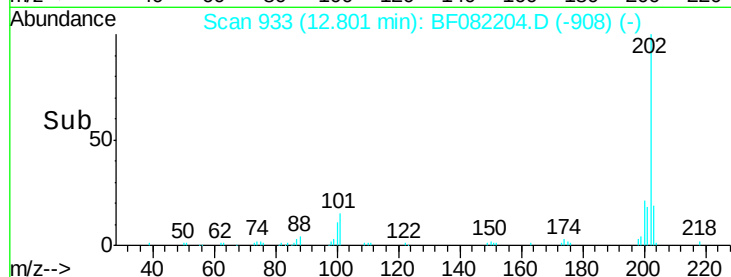
203 18.9 14.5 21.7



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: 60.93 ng

RT: 12.95 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF082204.D

Acq: 11 Oct 2015 5:11

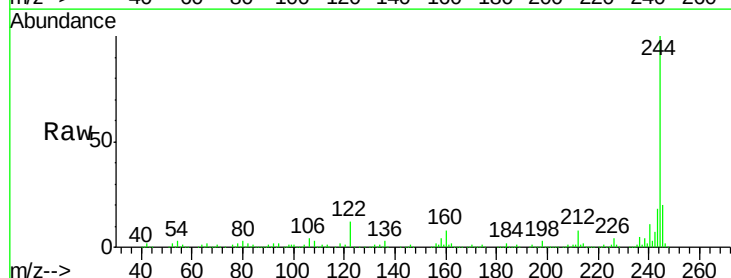
Tgt Ion:244 Resp: 579263

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

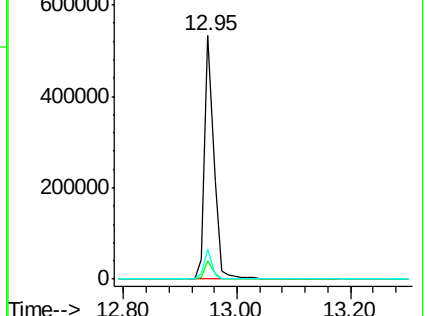
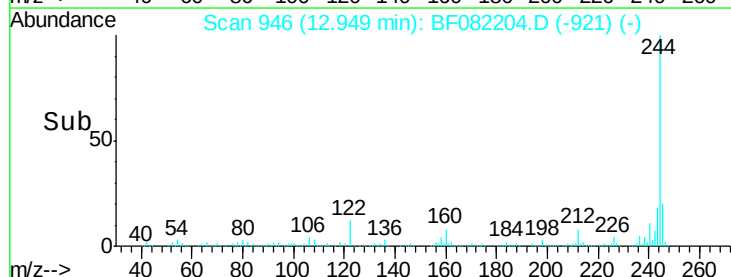
122 12.4 5.9 8.9#

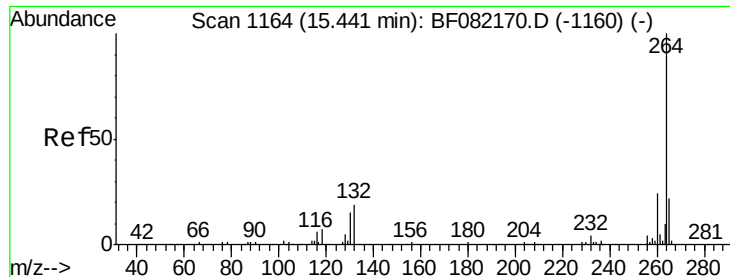


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

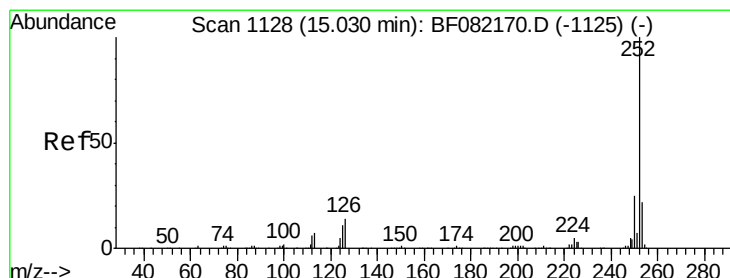
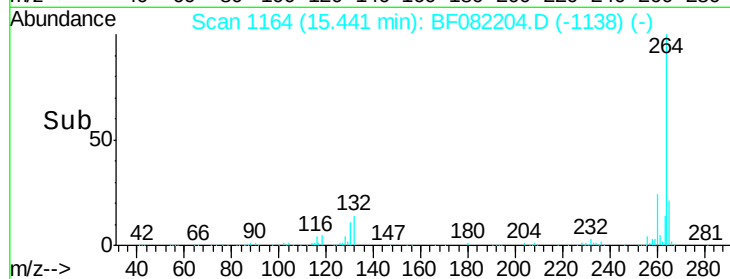
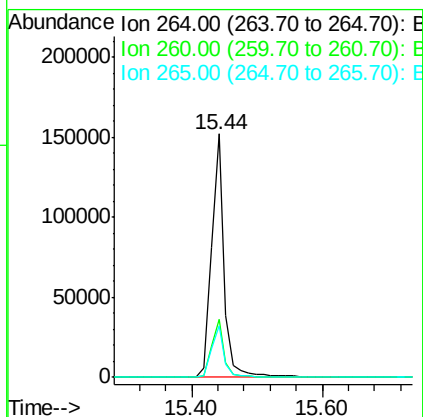
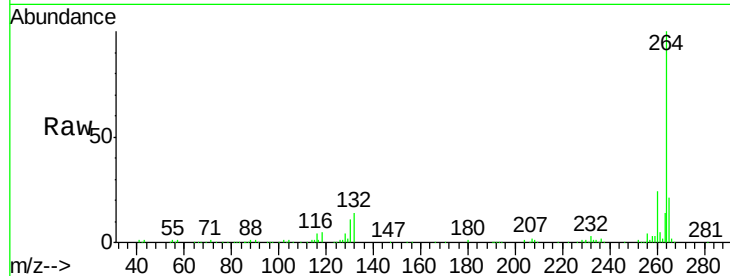




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: BF082204.D
 Acq: 11 Oct 2015 5:11

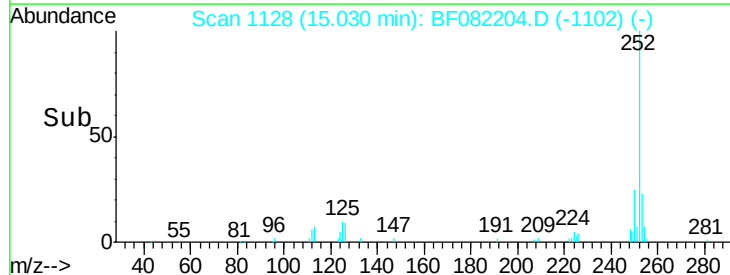
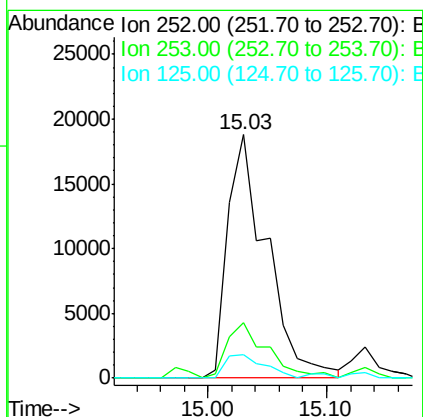
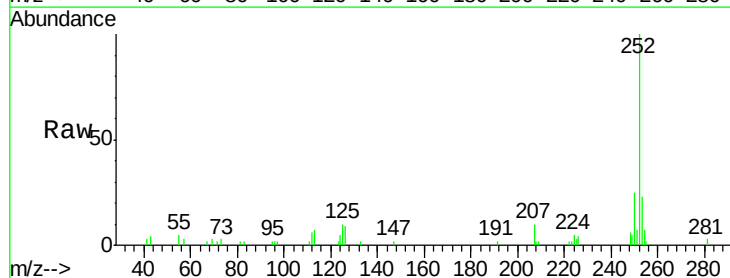
Instrument :
 BNA_F
 ClientSampleId :

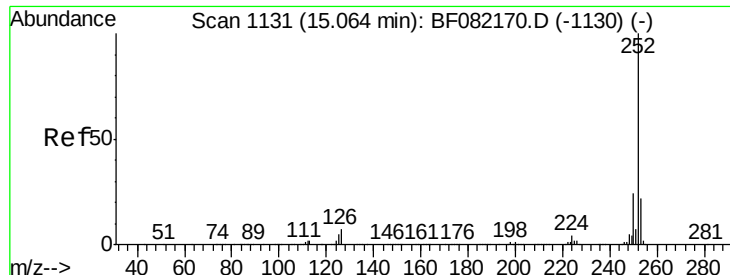
Tot Ion:264 Resp: 206594
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.6
 265 21.1 17.3 25.9



#87
 Benzo(b)fluoranthene
 Concen: 3.41 ng
 RT: 15.03 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: BF082204.D
 Acq: 11 Oct 2015 5:11

Tgt Ion:252 Resp: 42854
 Ion Ratio Lower Upper
 252 100
 253 22.6 18.0 27.0
 125 9.6 8.6 12.8

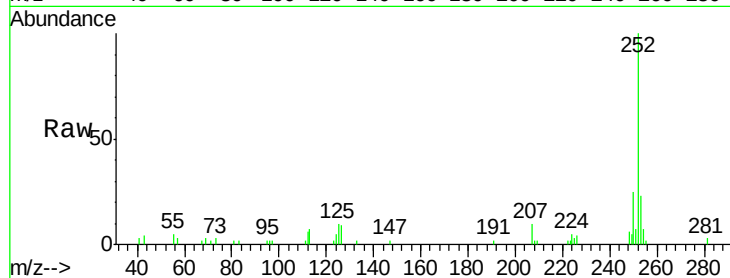




#88
 Benzo(k)fluoranthene
 Concen: 4.06 ng
 RT: 15.03 min Scan# 1128
 Delta R.T. -0.03 min
 Lab File: BF082204.D
 Acq: 11 Oct 2015 5:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	9.6	6.7	10.1



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

