

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101015\
 Data File : BF082212.D
 Acq On : 11 Oct 2015 9:09
 Operator : UM/IZ
 Sample : G3933-01RE
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-COMP-04

Quant Time: Oct 12 03:07:24 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

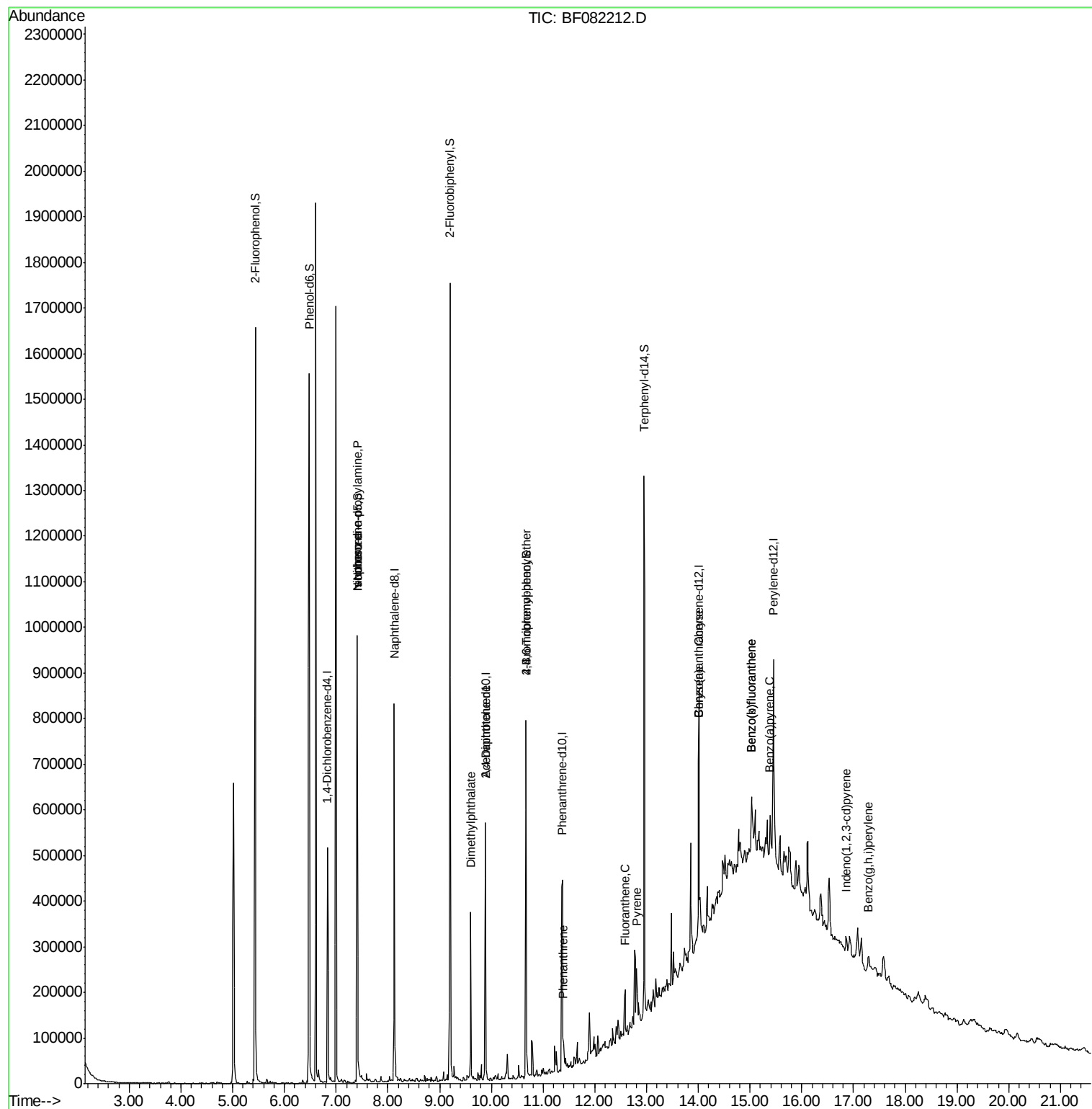
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	96932	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	373775	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	156863	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	258077	20.00	ng	0.00
75) Chrysene-d12	14.01	240	253321	20.00	ng	0.00
86) Perylene-d12	15.45	264	204324	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	525998	109.52	ng	0.01
7) Phenol-d6	6.48	99	694454	111.11	ng	0.00
23) Nitrobenzene-d5	7.41	82	374203	67.23	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	137393	93.40	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	702854	74.31	ng	-0.01
78) Terphenyl-d14	12.95	244	557750	58.34	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	48910	11.14	ng	# 81
25) Isophorone	7.41	82	327228	29.13	ng	# 66
49) Dimethylphthalate	9.60	163	143087	12.95	ng	99
55) 4-Nitrophenol	10.09	139	948	Below Cal		# 34
56) 2,4-Dinitrotoluene	9.89	165	20170	6.92	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	8948	3.46	ng	# 1
70) Phenanthrene	11.39	178	28537	2.26	ng	98
74) Fluoranthene	12.58	202	65612	4.83	ng	97
77) Pyrene	12.81	202	79498	5.29	ng	99
80) Benzo(a)anthracene	14.00	228	59626	4.52	ng	# 90
82) Chrysene	14.00	228	59626	4.29	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.86	276	26909	2.44	ng	96
87) Benzo(b)fluoranthene	15.03	252	79026	6.36	ng	# 82
88) Benzo(k)fluoranthene	15.03	252	79026	7.56	ng	# 80
89) Benzo(a)pyrene	15.38	252	45691	4.28	ng	# 79
91) Benzo(g,h,i)perylene	17.29	276	28975	3.41	ng	96

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

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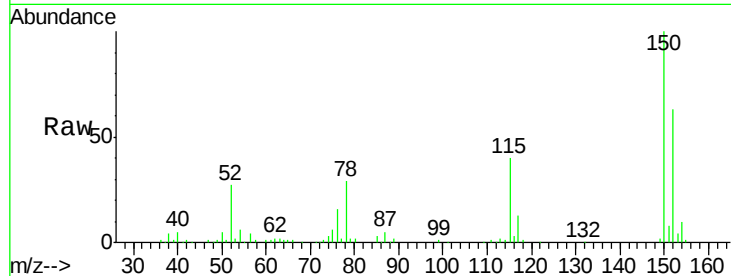


#1

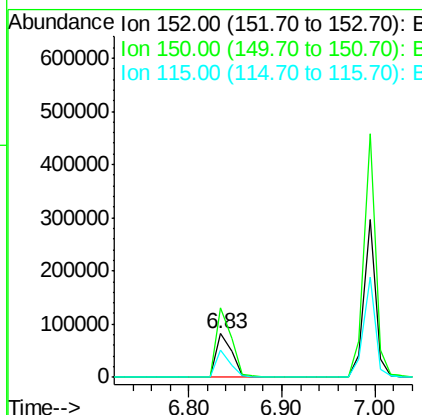
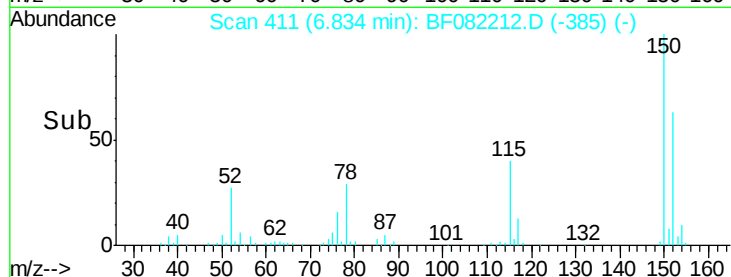
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 411
Delta R.T. 0.00 min
Lab File: BF082212.D
Acq: 11 Oct 2015 9:09

Instrument :
BNA_F
ClientSampleId :
TP-COMP-04

Tot Ion:152 Resp: 96932
Ion Ratio Lower Upper
152 100
150 159.9 129.0 193.4
115 63.6 52.1 78.1



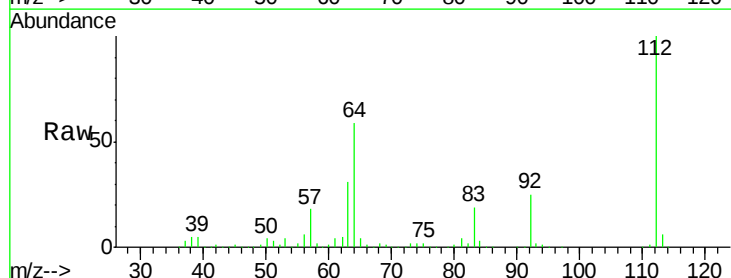
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



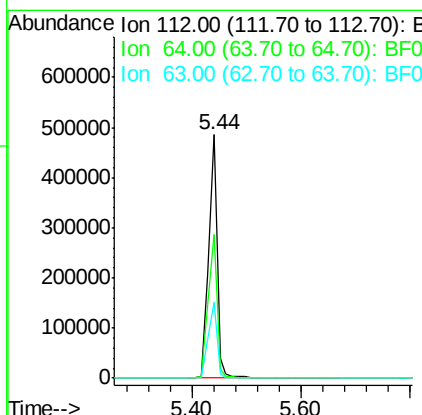
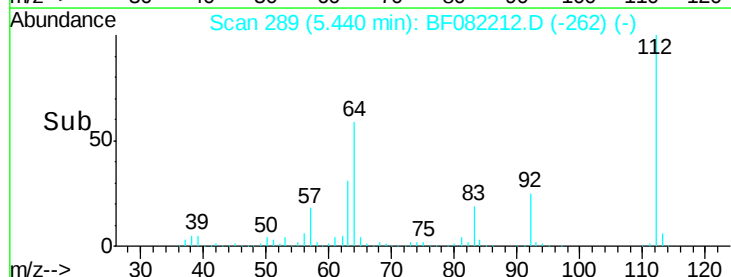
#5

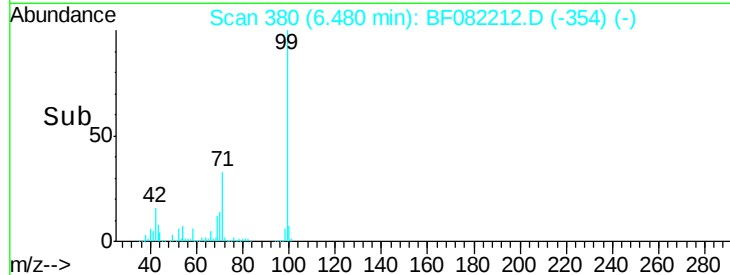
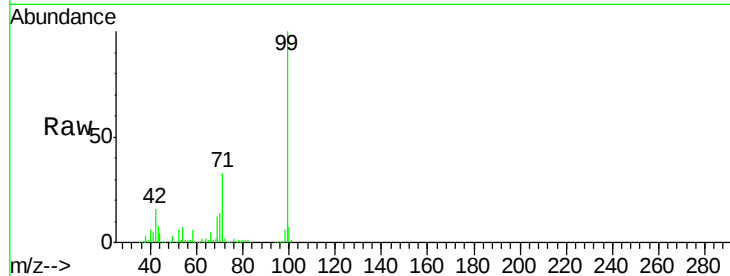
2-Fluorophenol
Concen: 109.52 ng
RT: 5.44 min Scan# 289
Delta R.T. 0.01 min
Lab File: BF082212.D
Acq: 11 Oct 2015 9:09

Tgt Ion:112 Resp: 525998
Ion Ratio Lower Upper
112 100
64 59.1 48.6 73.0
63 31.1 25.1 37.7



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: 111.11 ng

RT: 6.48 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

Instrument :

BNA_F

ClientSampleId :

TP-COMP-04

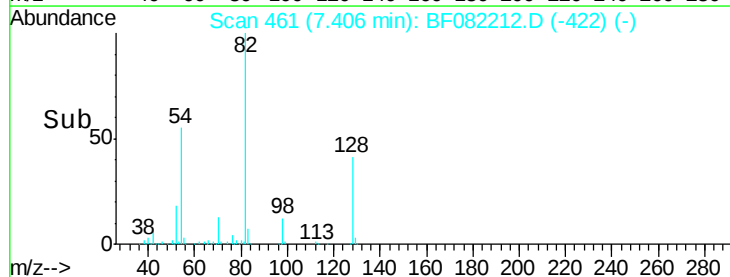
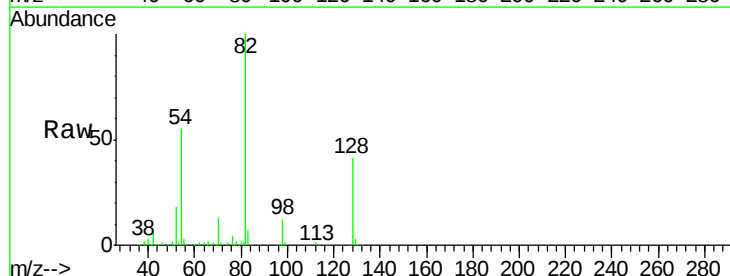
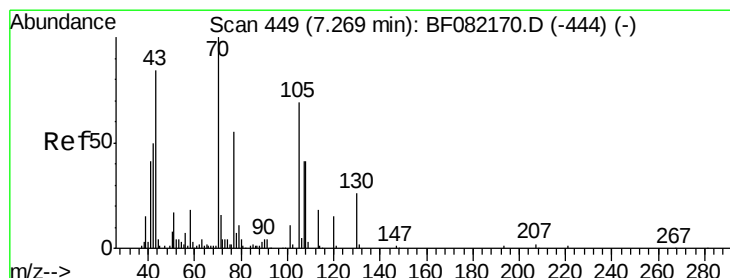
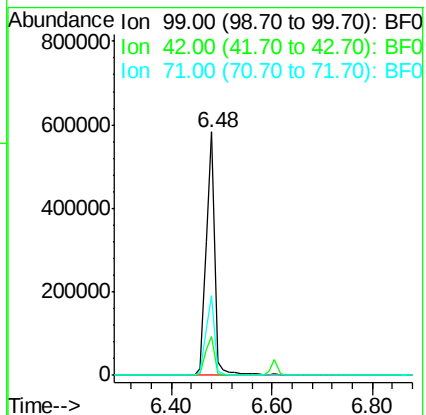
Tot Ion: 99 Resp: 694454

Ion Ratio Lower Upper

99 100

42 16.1 13.2 19.8

71 32.7 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 11.14 ng

RT: 7.41 min Scan# 461

Delta R.T. 0.15 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

Tgt Ion: 70 Resp: 48910

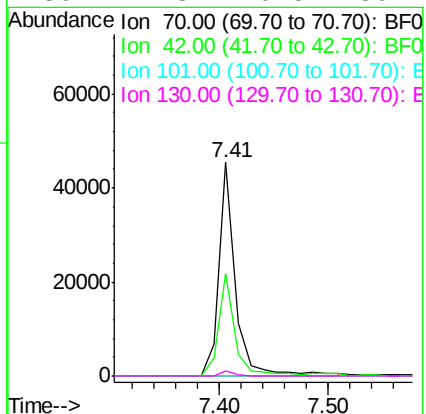
Ion Ratio Lower Upper

70 100

42 47.8 39.8 59.8

101 0.0 8.6 13.0#

130 2.3 20.5 30.7#

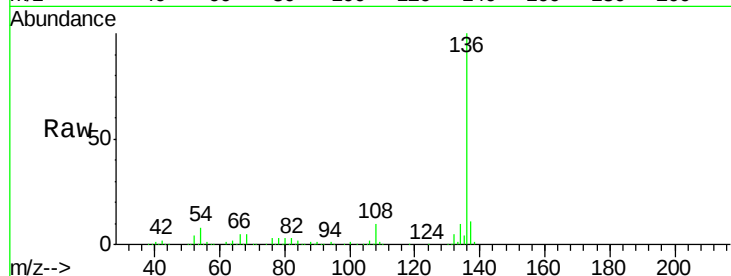




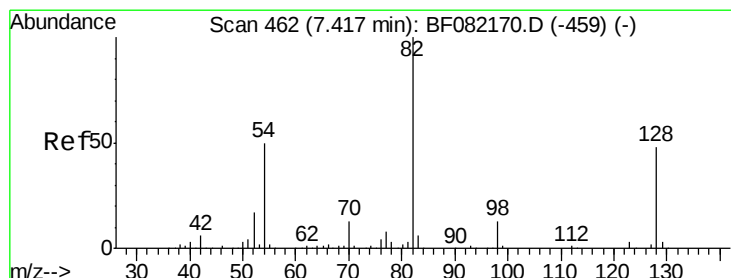
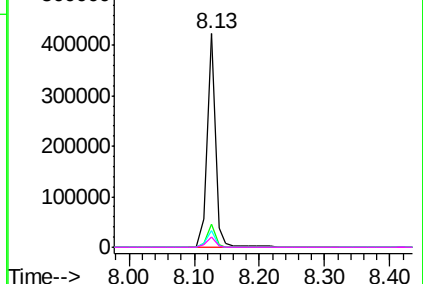
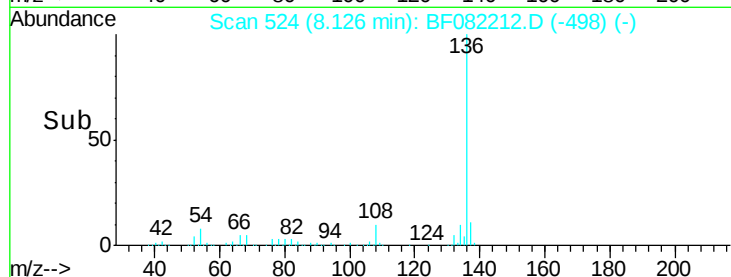
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 524
Delta R.T. 0.00 min
Lab File: BF082212.D
Acq: 11 Oct 2015 9:09

Instrument :
BNA_F
ClientSampleId :
TP-COMP-04

Tot Ion:136	Resp:	373775
Ion	Ratio	Lower Upper
136	100	
137	11.1	9.0 13.6
54	7.7	7.5 11.3
68	4.8	4.6 7.0

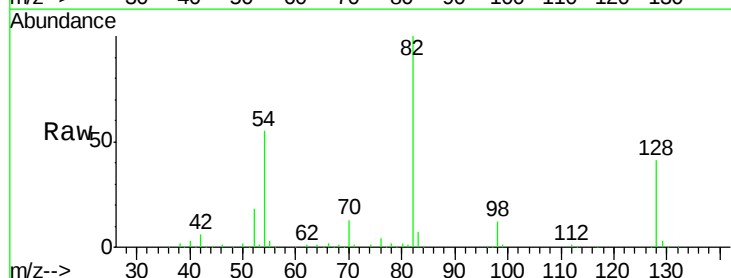


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

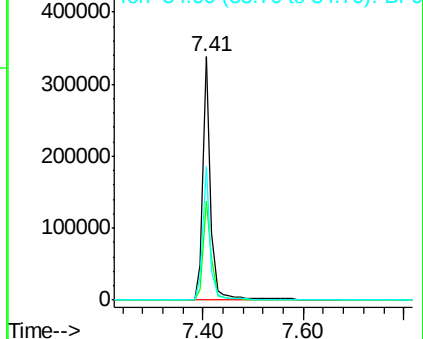
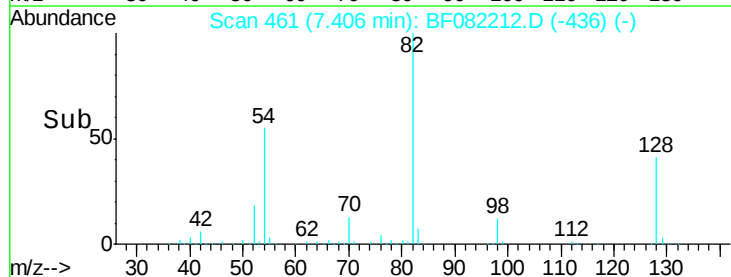


#23
Nitrobenzene-d5
Concen: 67.23 ng
RT: 7.41 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF082212.D
Acq: 11 Oct 2015 9:09

Tgt Ion: 82	Resp:	374203
Ion	Ratio	Lower Upper
82	100	
128	40.8	38.7 58.1
54	54.7	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: 29.13 ng

RT: 7.41 min Scan# 461

Delta R.T. -0.26 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

Instrument :

BNA_F

ClientSampleId :

TP-COMP-04

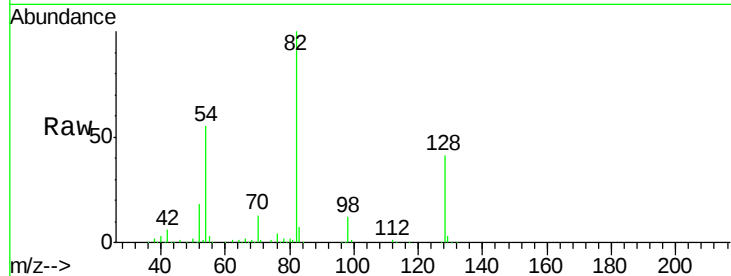
Tot Ion: 82 Resp: 327228

Ion Ratio Lower Upper

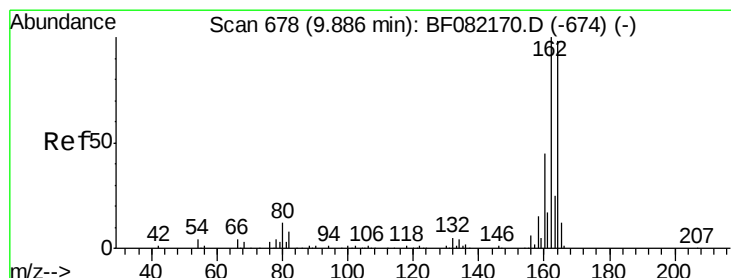
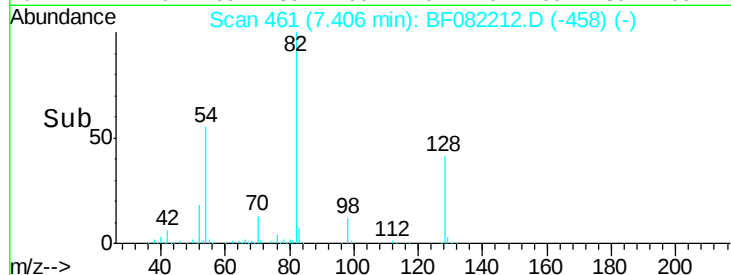
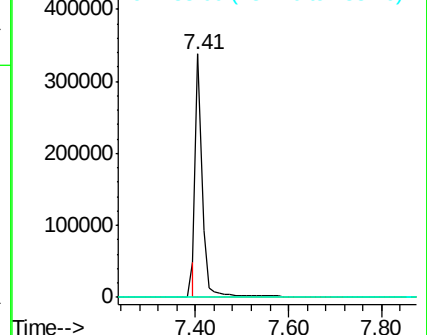
82 100

95 0.0 5.6 8.4#

138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 678

Delta R.T. 0.00 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

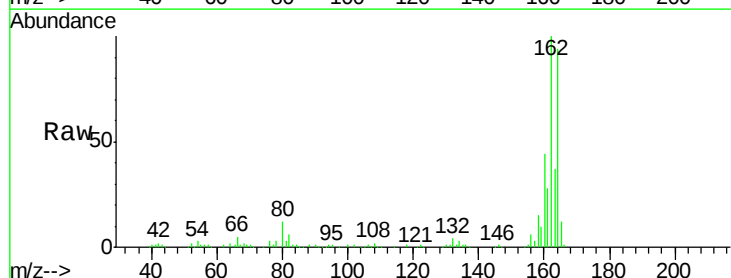
Tgt Ion: 164 Resp: 156863

Ion Ratio Lower Upper

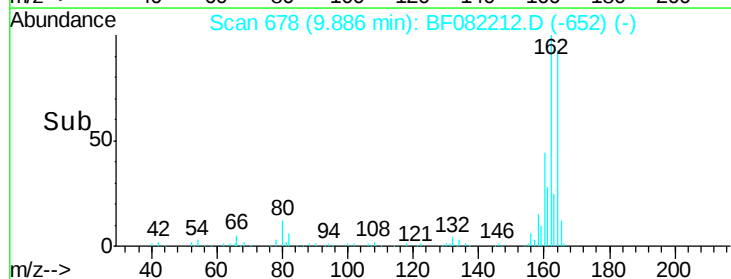
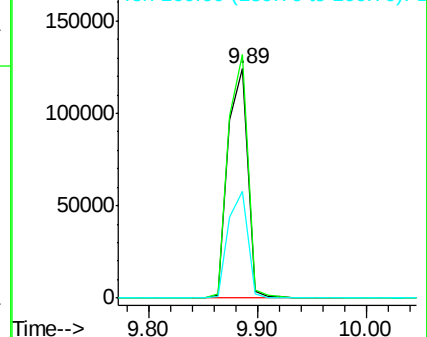
164 100

162 106.3 81.6 122.4

160 46.6 36.4 54.6



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

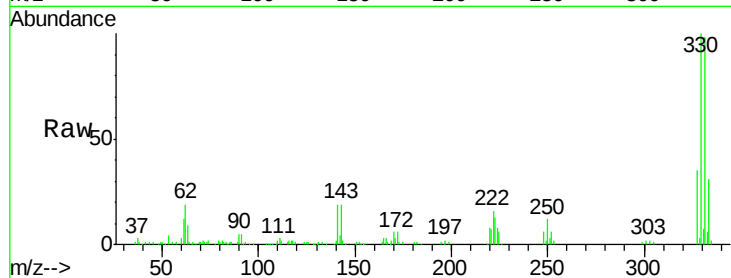




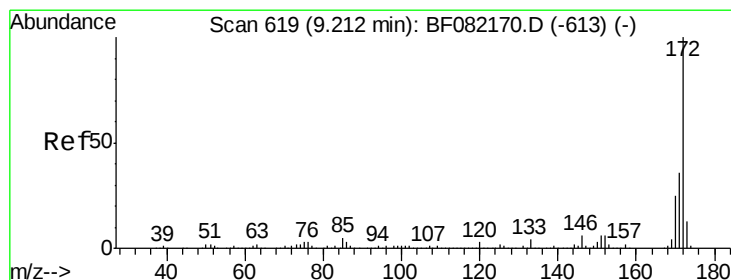
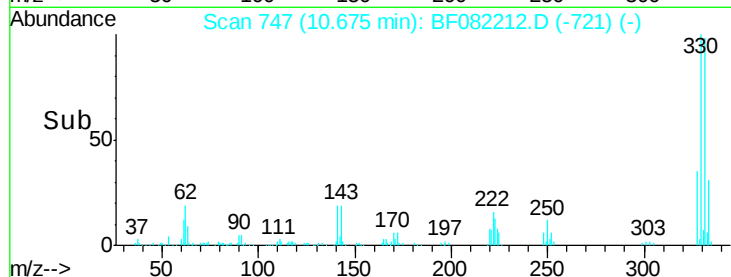
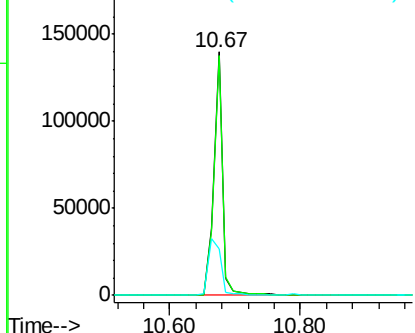
#41
 2,4,6-Tribromophenol
 Concen: 93.40 ng
 RT: 10.67 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF082212.D
 Acq: 11 Oct 2015 9:09

Instrument :
 BNA_F
 ClientSampleId :
 TP-COMP-04

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.1	115.7
141	32.5	29.8	44.8

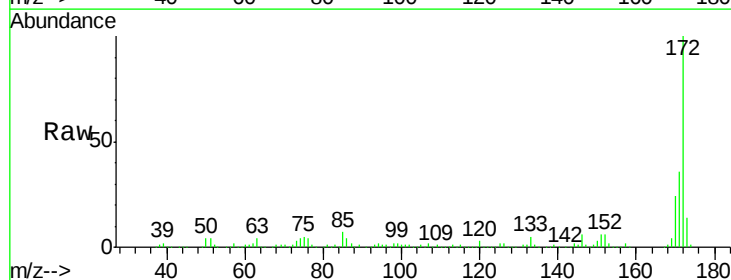


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

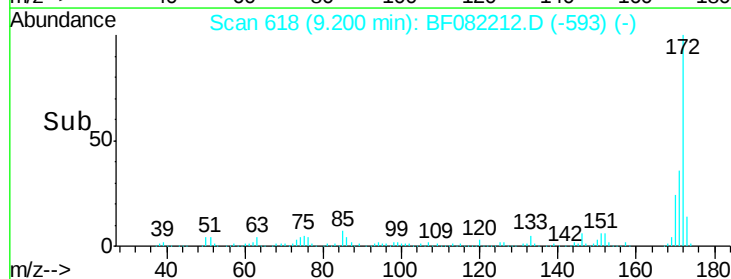
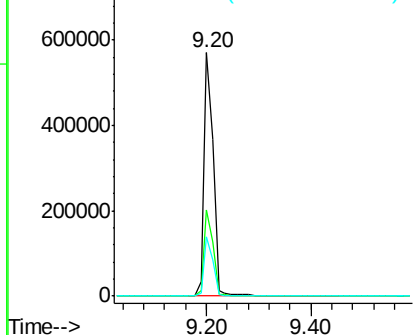


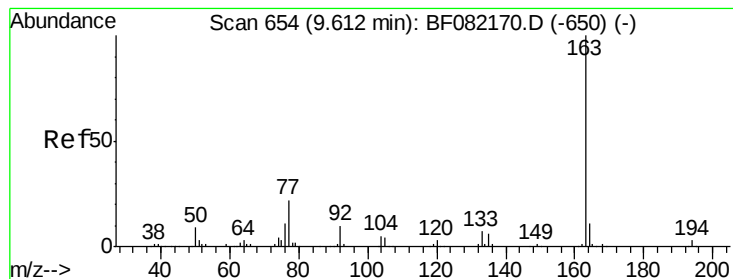
#44
 2-Fluorobiphenyl
 Concen: 74.31 ng
 RT: 9.20 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF082212.D
 Acq: 11 Oct 2015 9:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	42.8
170	24.4	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: 12.95 ng

RT: 9.60 min Scan# 653

Delta R.T. -0.01 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

Instrument :

BNA_F

ClientSampleId :

TP-COMP-04

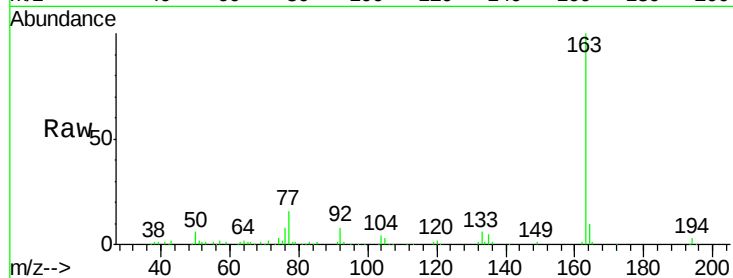
Tot Ion:163 Resp: 143087

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

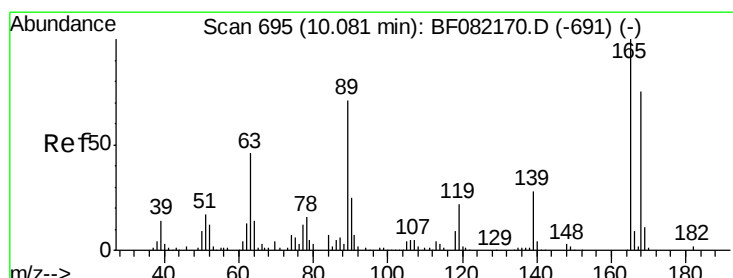
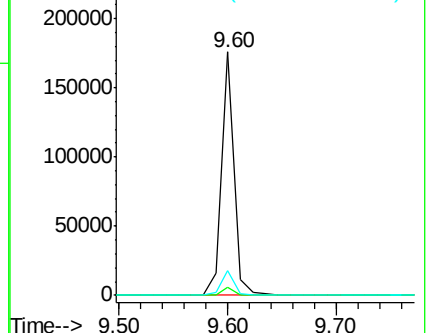
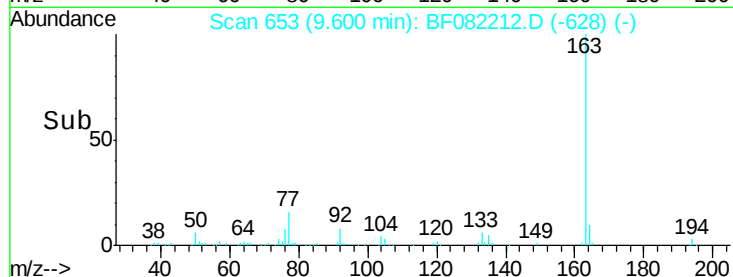
164 10.0 8.5 12.7



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: 6.92 ng

RT: 9.89 min Scan# 678

Delta R.T. -0.19 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

Tgt Ion:165 Resp: 20170

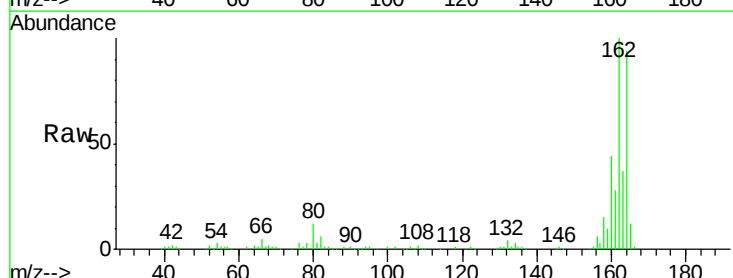
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 0.0 57.0 85.6#

182 0.0 1.8 2.6#

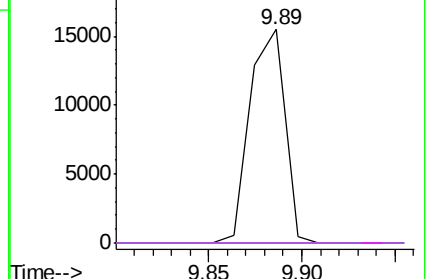
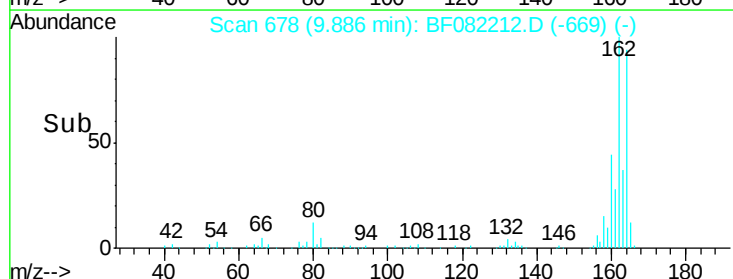


Abundance Ion 165.00 (164.70 to 165.70): E

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

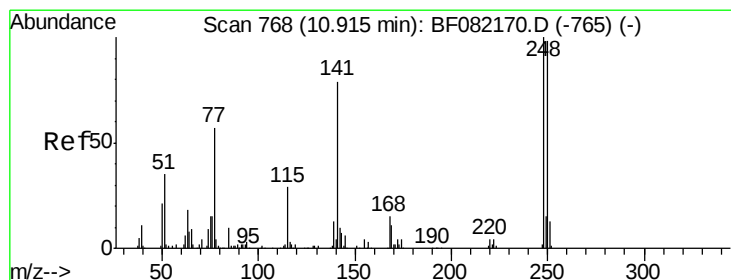
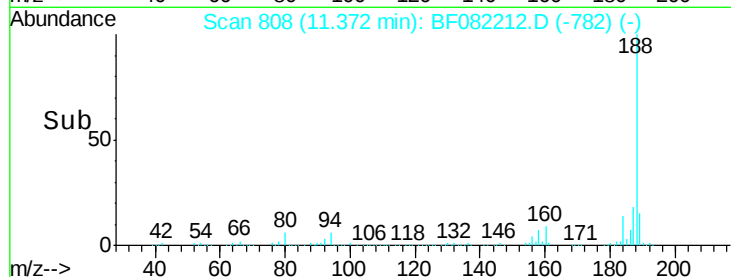
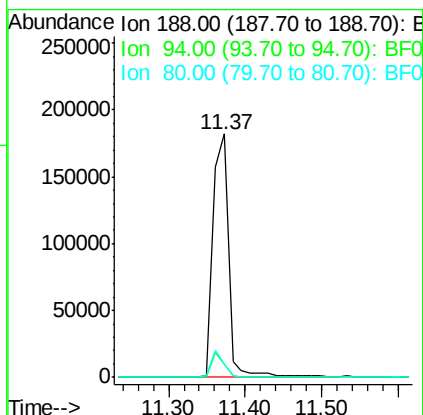
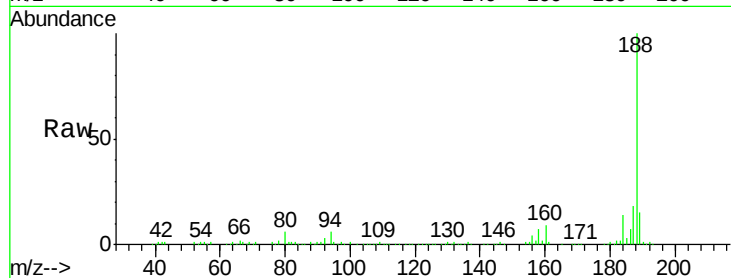




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF082212.D
 Acq: 11 Oct 2015 9:09

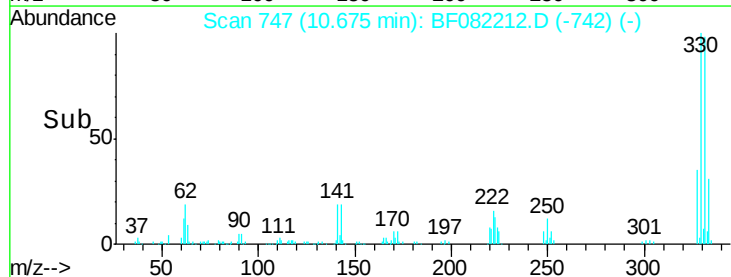
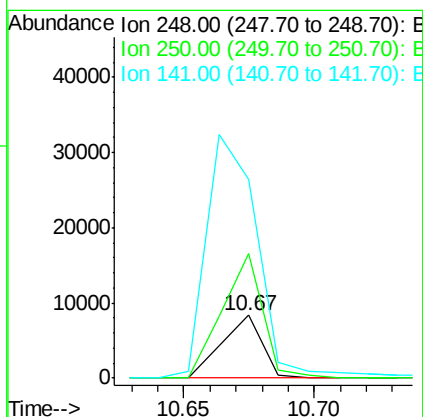
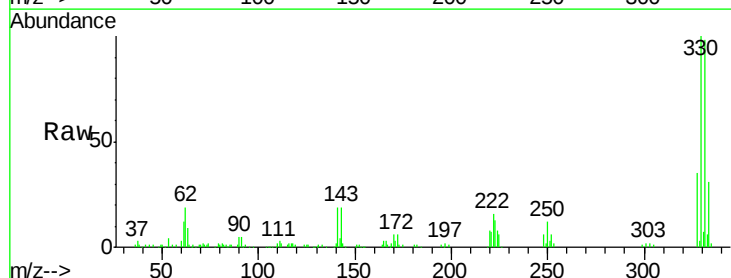
Instrument :
 BNA_F
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 TP-COMP-04

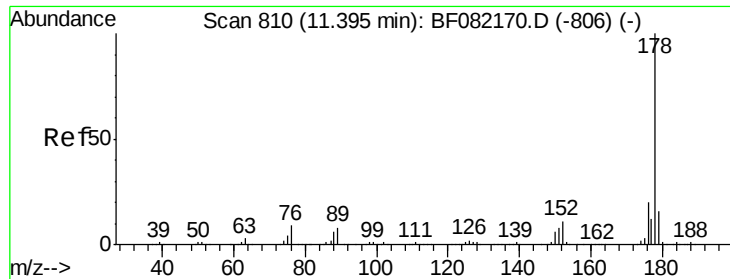
Tot Ion:188 Resp: 258077
 Ion Ratio Lower Upper
 188 100
 94 5.6 5.8 8.6#
 80 5.6 6.4 9.6#



#66
 4-Bromophenyl-phenylether
 Concen: 3.46 ng
 RT: 10.67 min Scan# 747
 Delta R.T. -0.24 min
 Lab File: BF082212.D
 Acq: 11 Oct 2015 9:09

Tgt Ion:248 Resp: 8948
 Ion Ratio Lower Upper
 248 100
 250 199.5 78.6 117.8#
 141 317.8 63.3 94.9#

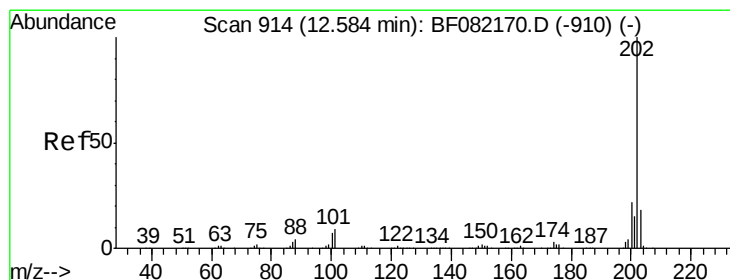
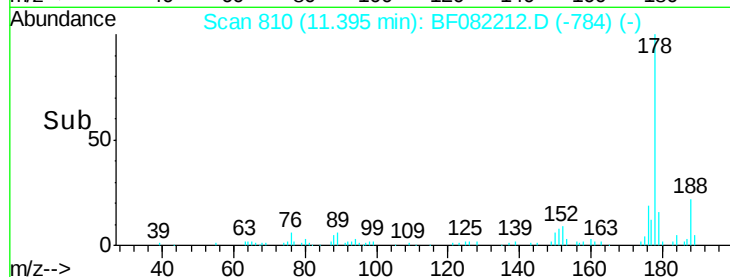
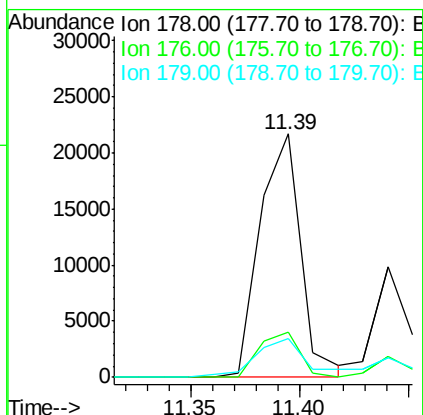
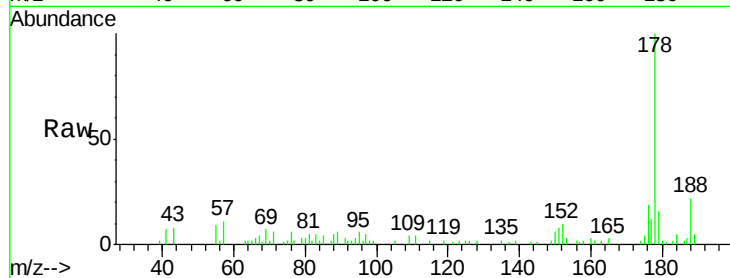




#70
Phenanthrene
Concen: 2.26 ng
RT: 11.39 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF082212.D
Acq: 11 Oct 2015 9:09

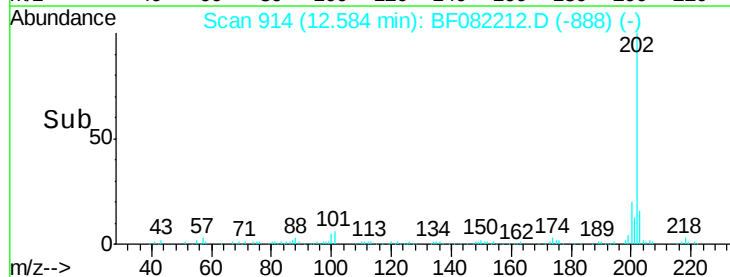
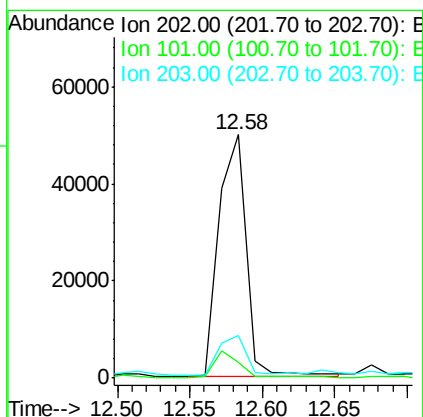
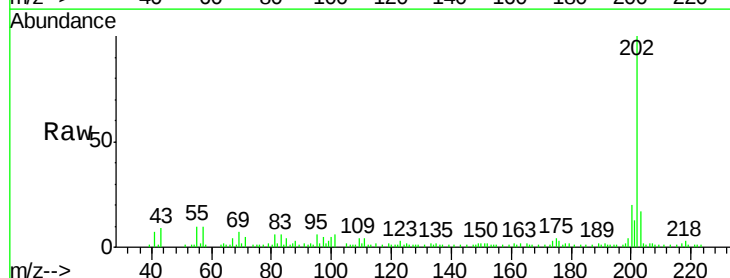
Instrument :
BNA_F
ClientSampleId :
TP-COMP-04

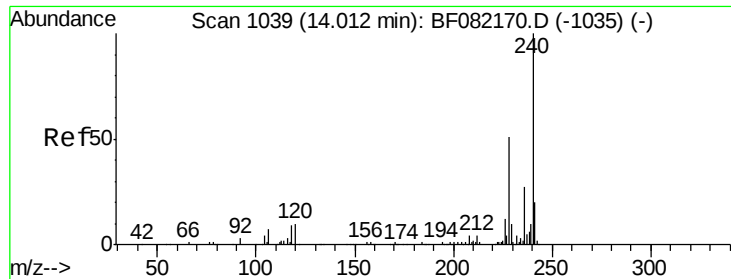
Tot Ion:178 Resp: 28537
Ion Ratio Lower Upper
178 100
176 18.5 16.0 24.0
179 15.9 12.6 19.0



#74
Fluoranthene
Concen: 4.83 ng
RT: 12.58 min Scan# 914
Delta R.T. 0.00 min
Lab File: BF082212.D
Acq: 11 Oct 2015 9:09

Tgt Ion:202 Resp: 65612
Ion Ratio Lower Upper
202 100
101 6.4 0.0 29.3
203 17.4 0.0 37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

Instrument :

BNA_F

ClientSampleId :

TP-COMP-04

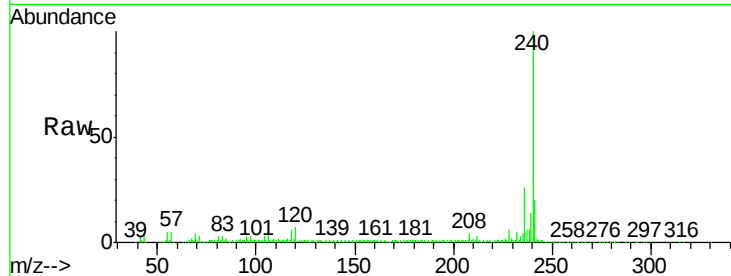
Tot Ion:240 Resp: 253321

Ion Ratio Lower Upper

240 100

120 7.3 8.1 12.1#

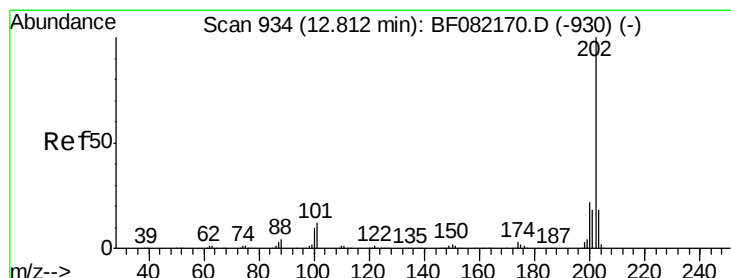
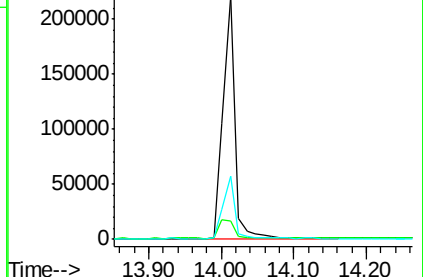
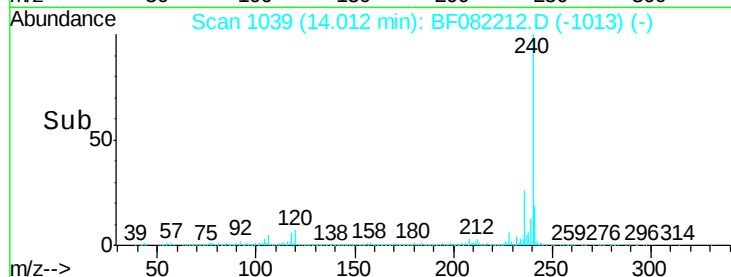
236 25.8 21.3 31.9



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: 5.29 ng

RT: 12.81 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

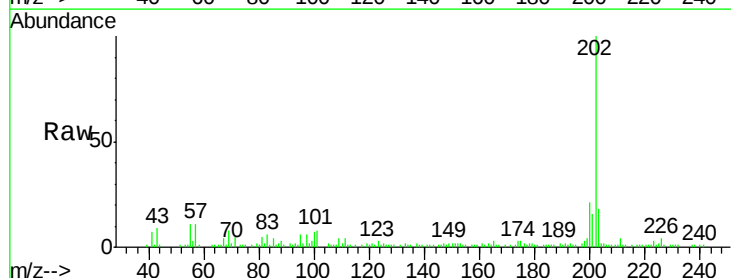
Tgt Ion:202 Resp: 79498

Ion Ratio Lower Upper

202 100

200 21.2 17.9 26.9

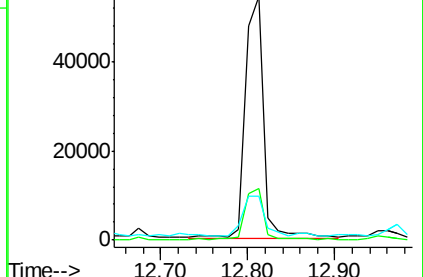
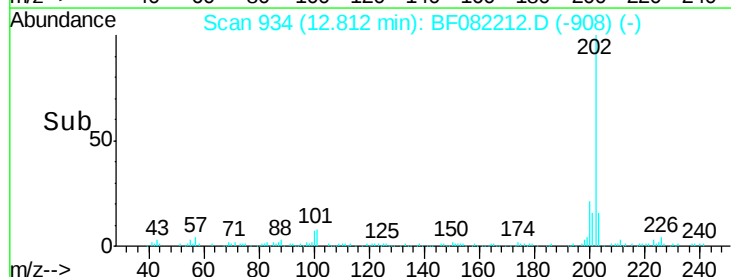
203 18.0 14.5 21.7

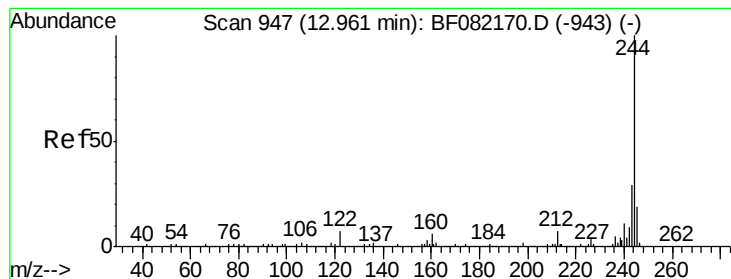


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 58.34 ng

RT: 12.95 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

Instrument :

BNA_F

ClientSampleId :

TP-COMP-04

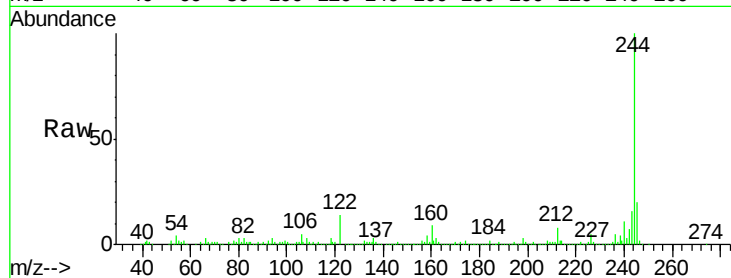
Tot Ion:244 Resp: 557750

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.6

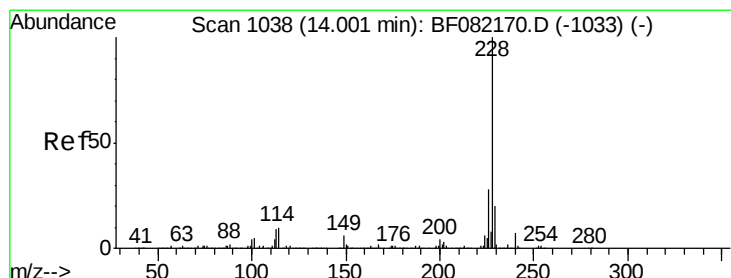
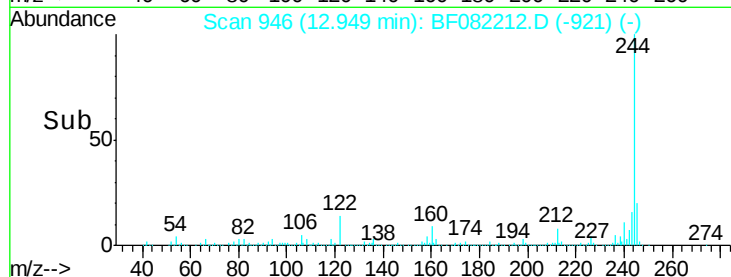
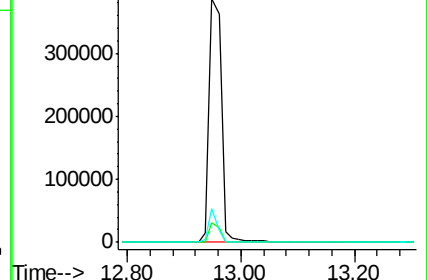
122 14.0 5.9 8.9#



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



#80

Benzo(a)anthracene

Concen: 4.52 ng

RT: 14.00 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

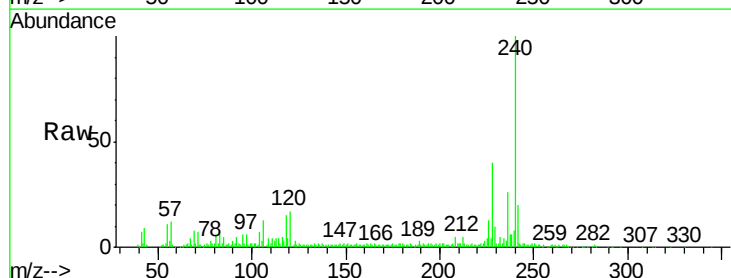
Tgt Ion:228 Resp: 59626

Ion Ratio Lower Upper

228 100

226 32.8 22.3 33.5

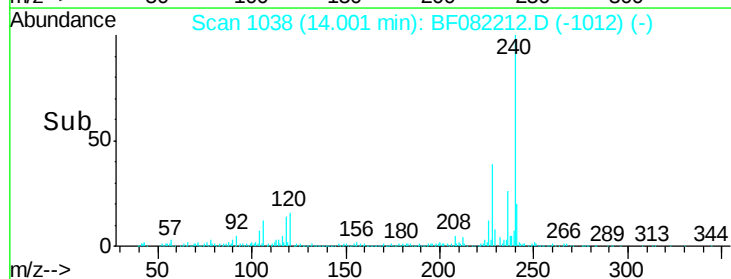
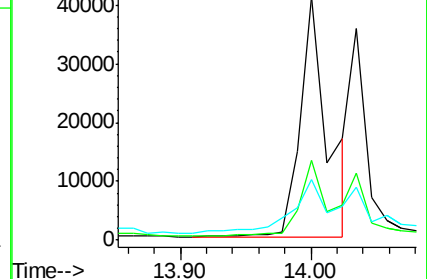
229 24.8 16.2 24.2#

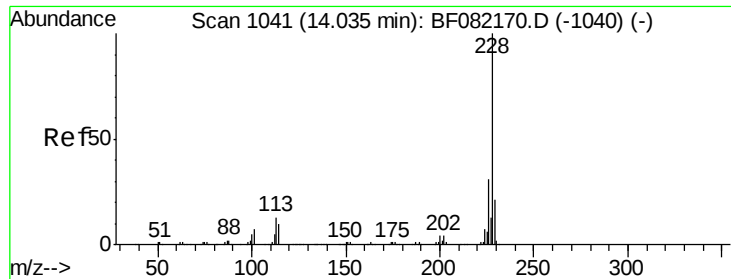


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

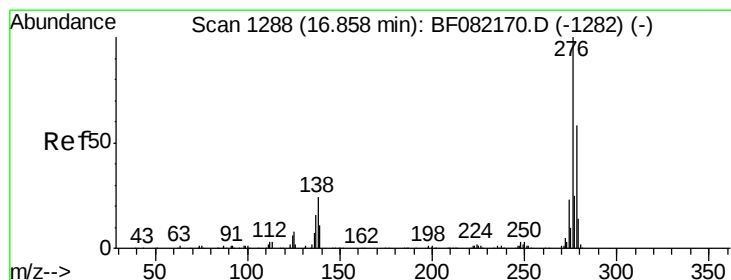
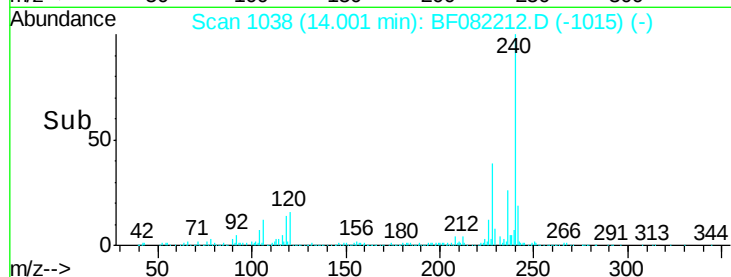
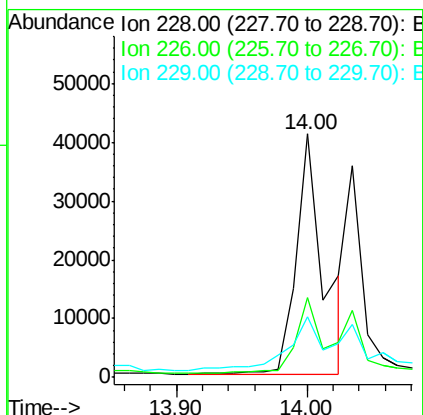
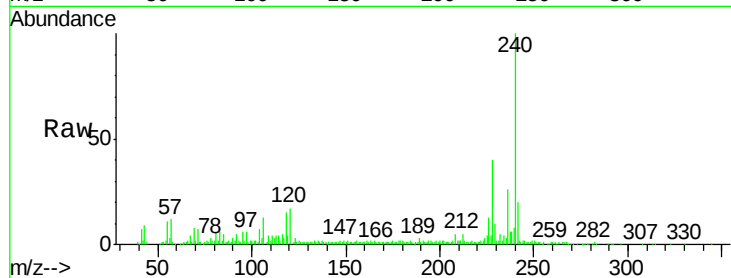




#82
Chrysene
Concen: 4.29 ng
RT: 14.00 min Scan# 1038
Delta R.T. -0.03 min
Lab File: BF082212.D
Acq: 11 Oct 2015 9:09

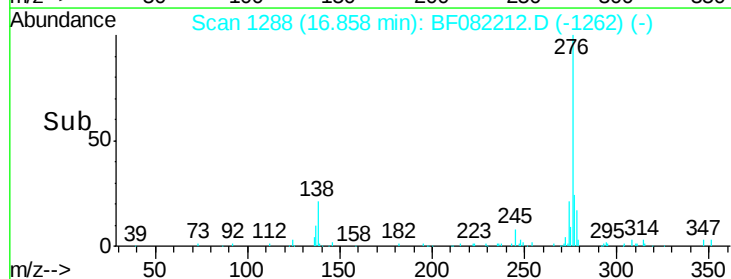
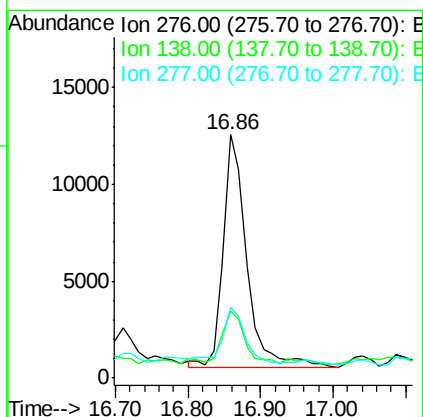
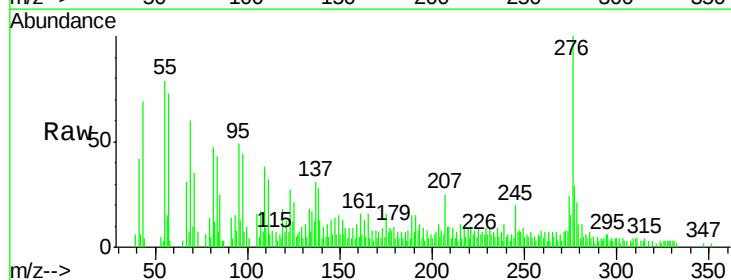
Instrument :
BNA_F
ClientSampleId :
TP-COMP-04

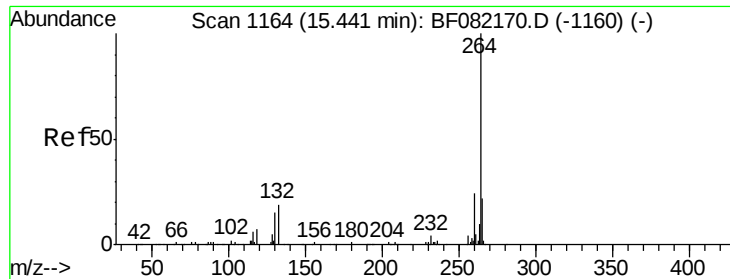
Tot Ion:228 Resp: 59626
Ion Ratio Lower Upper
228 100
226 32.8 24.4 36.6
229 24.8 16.3 24.5#



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.44 ng
RT: 16.86 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BF082212.D
Acq: 11 Oct 2015 9:09

Tgt Ion:276 Resp: 26909
Ion Ratio Lower Upper
276 100
138 22.8 19.7 29.5
277 23.0 20.1 30.1



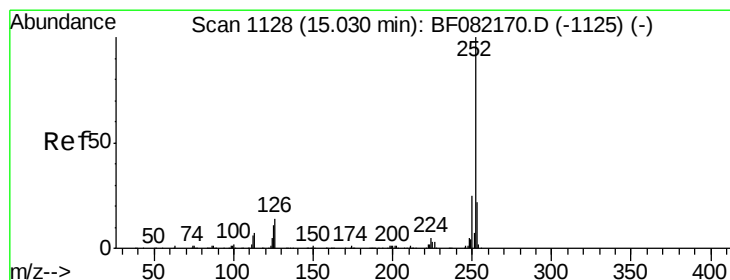
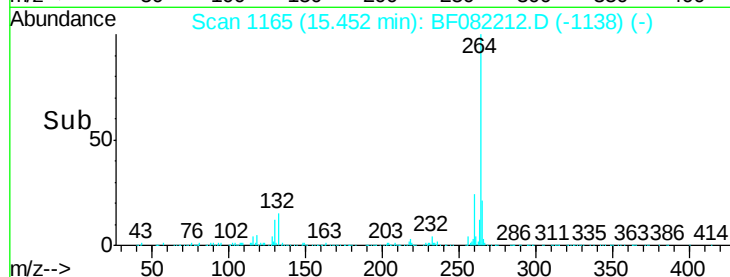
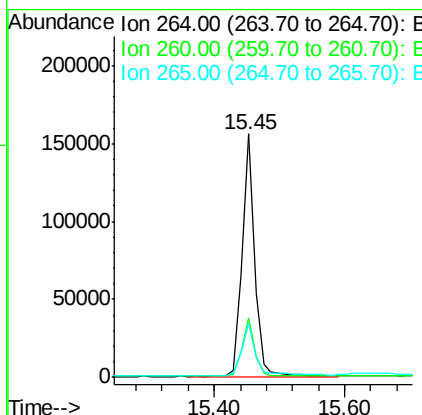
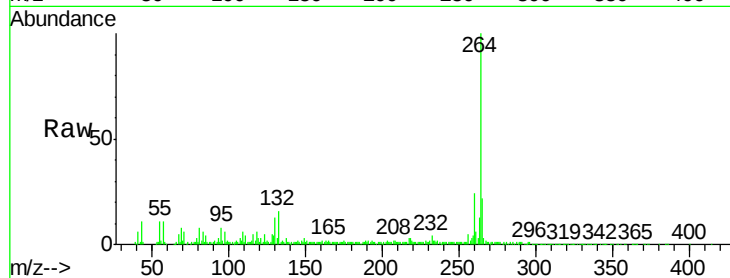


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1165
Delta R.T. 0.01 min
Lab File: BF082212.D
Acq: 11 Oct 2015 9:09

Instrument :
BNA_F
ClientSampleId :
TP-COMP-04

Tot Ion:264 Resp: 204324

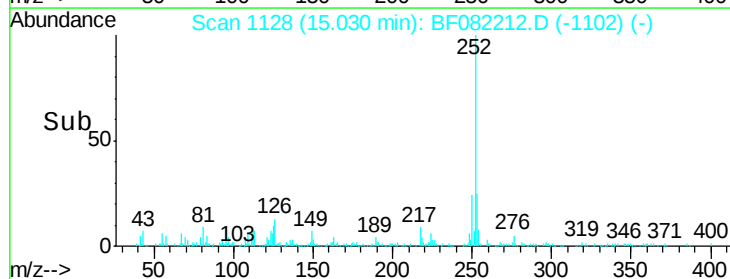
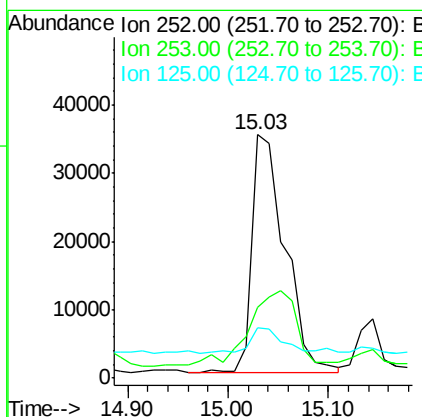
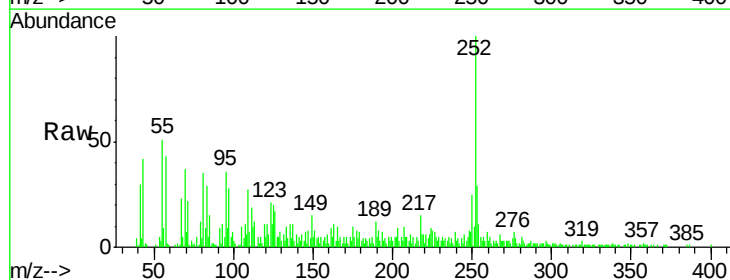
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.6
265	22.2	17.3	25.9

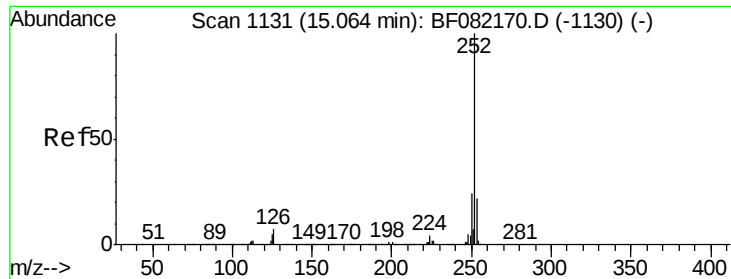


#87
Benzo(b)fluoranthene
Concen: 6.36 ng
RT: 15.03 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF082212.D
Acq: 11 Oct 2015 9:09

Tgt Ion:252 Resp: 79026

Ion	Ratio	Lower	Upper
252	100		
253	29.2	18.0	27.0#
125	20.5	8.6	12.8#

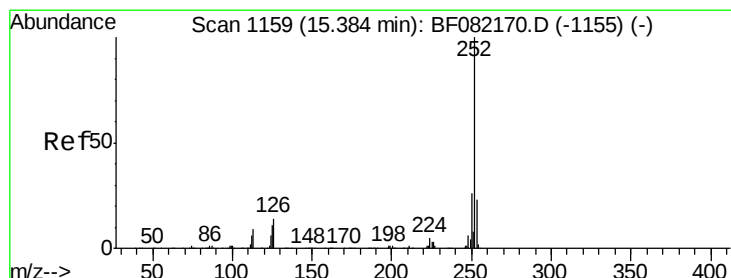
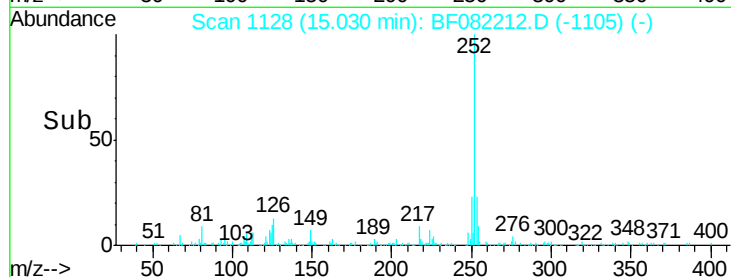
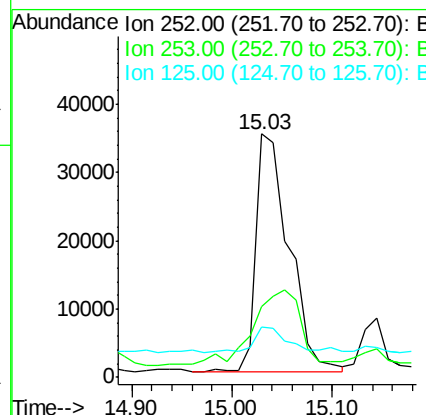
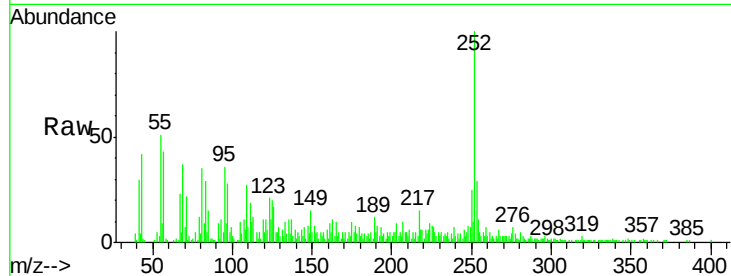




#88
Benzo(k)fluoranthene
Concen: 7.56 ng
RT: 15.03 min Scan# 1128
Delta R.T. -0.03 min
Lab File: BF082212.D
Acq: 11 Oct 2015 9:09

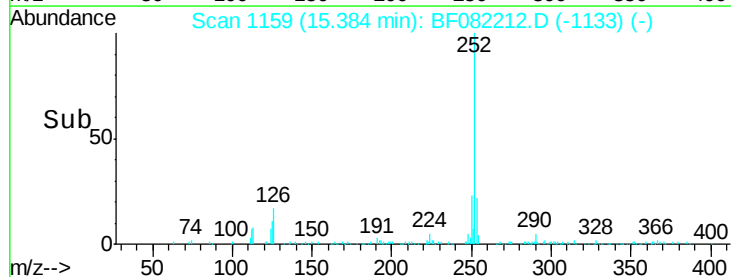
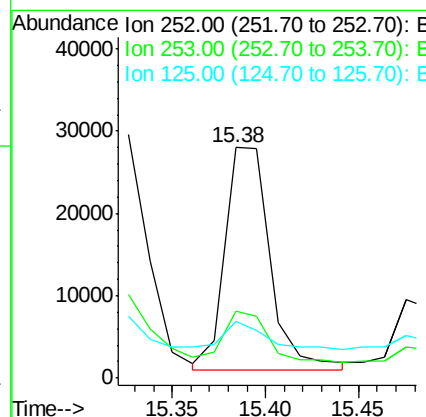
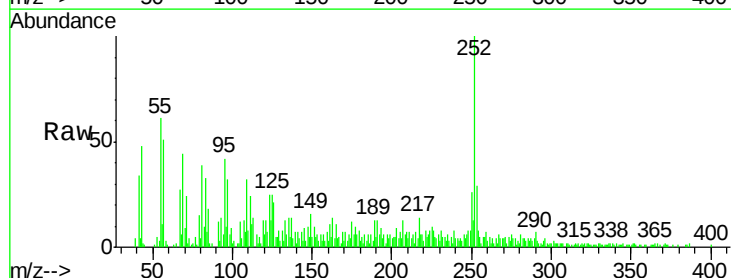
Instrument :
BNA_F
ClientSampleId :
TP-COMP-04

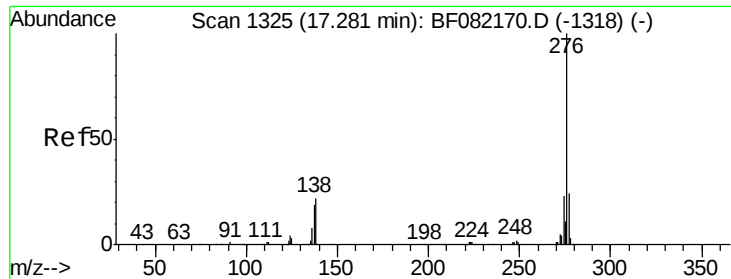
Tot Ion:252 Resp: 79026
Ion Ratio Lower Upper
252 100
253 29.2 17.8 26.6#
125 20.5 6.7 10.1#



#89
Benzo(a)pyrene
Concen: 4.28 ng
RT: 15.38 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF082212.D
Acq: 11 Oct 2015 9:09

Tgt Ion:252 Resp: 45691
Ion Ratio Lower Upper
252 100
253 29.1 18.2 27.2#
125 24.6 8.9 13.3#





#91
 Benzo(a,h,i)perylene
 Concen: 3.41 ng
 RT: 17.29 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: BF082212.D
 Acq: 11 Oct 2015 9:09

Instrument :
 BNA_F
 ClientSampleId :
 TP-COMP-04

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	25.2	18.8	28.2	
138	23.5	17.4	26.2	

