

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101015\
 Data File : BF082207.D
 Acq On : 11 Oct 2015 6:40
 Operator : UM/IZ
 Sample : G3979-19
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A10COMP

Quant Time: Oct 12 03:06:05 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	83563	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	331690	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	147076	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	252493	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	203798	20.00	ng	-0.01
86) Perylene-d12	15.44	264	191026	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	428892	103.59	ng	0.01
7) Phenol-d6	6.47	99	509683	94.59	ng	-0.01
23) Nitrobenzene-d5	7.41	82	325150	65.83	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	127391	92.36	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	550294	62.05	ng	-0.01
78) Terphenyl-d14	12.95	244	412581	53.65	ng	-0.01

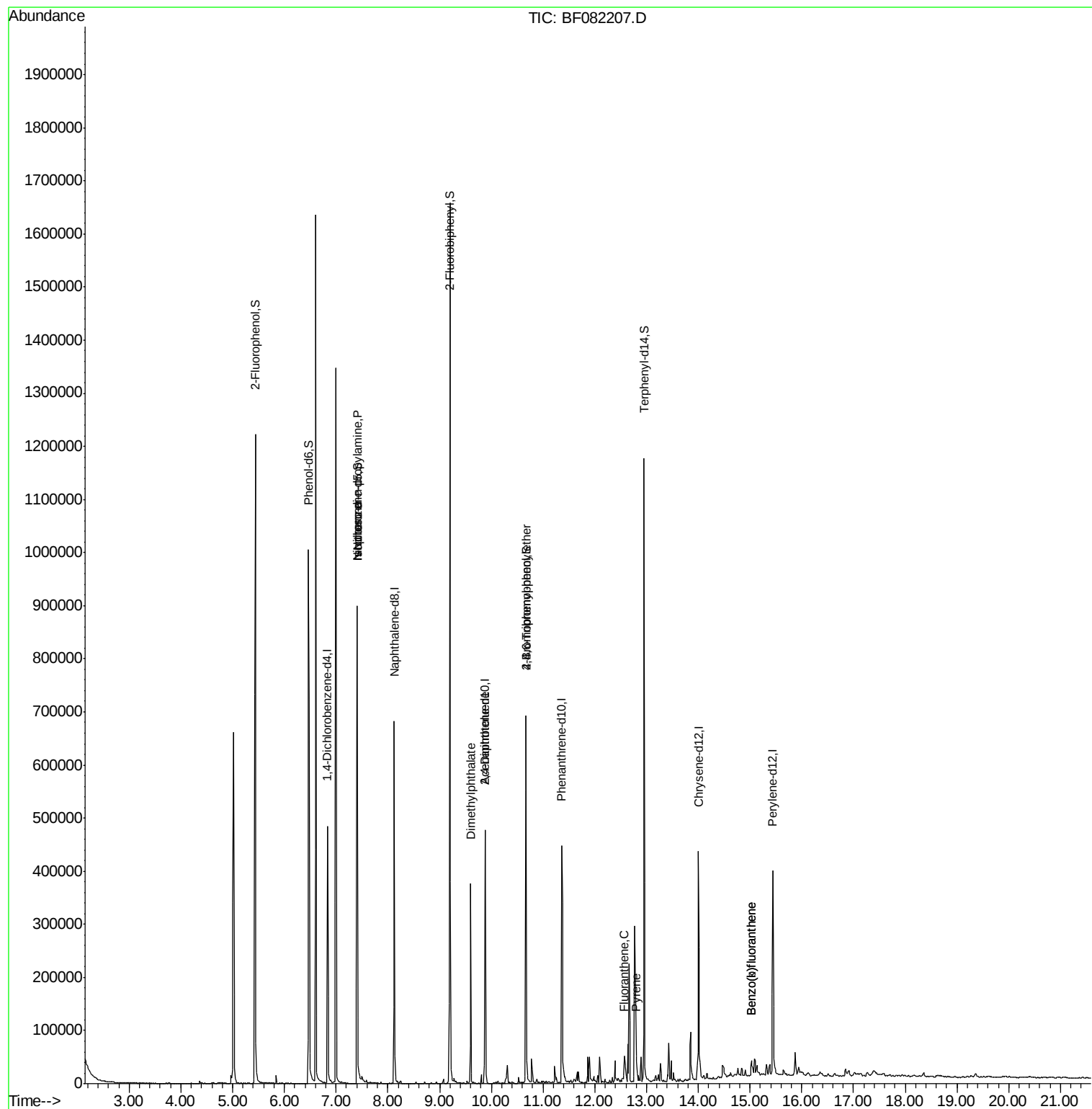
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	40906	10.81	ng	# 81
25) Isophorone	7.41	82	273959	27.48	ng	# 66
49) Dimethylphthalate	9.60	163	160810	15.53	ng	98
56) 2,4-Dinitrotoluene	9.87	165	18519	6.78	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	8040	3.18	ng	# 1
74) Fluoranthene	12.57	202	28389	2.14	ng	92
77) Pyrene	12.80	202	24412	2.02	ng	95
87) Benzo(b)fluoranthene	15.03	252	26889	2.31	ng	98
88) Benzo(k)fluoranthene	15.03	252	26889	2.75	ng	# 97

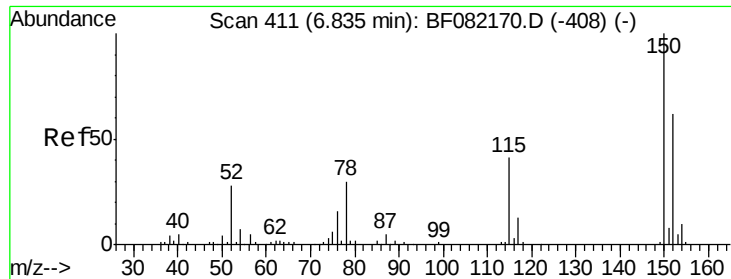
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF082207.D

Acq: 11 Oct 2015 6:40

Instrument :

BNA_F

ClientSampleId :

A10COMP

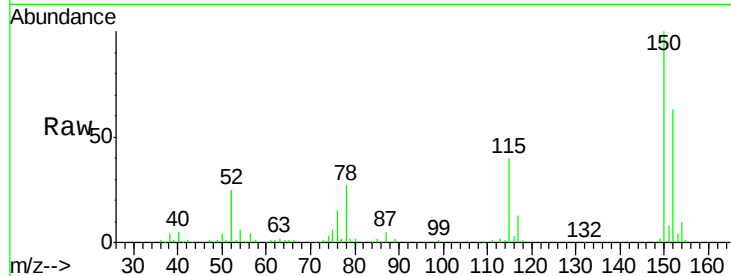
Tot Ion:152 Resp: 83563

Ion Ratio Lower Upper

152 100

150 158.4 129.0 193.4

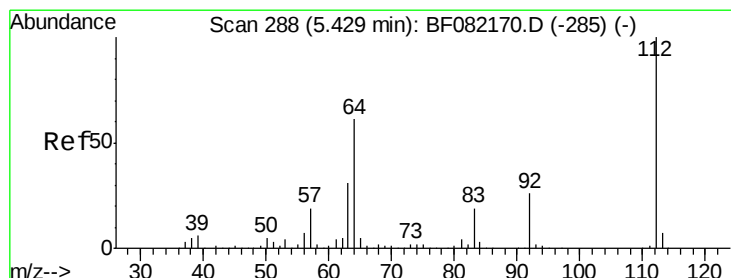
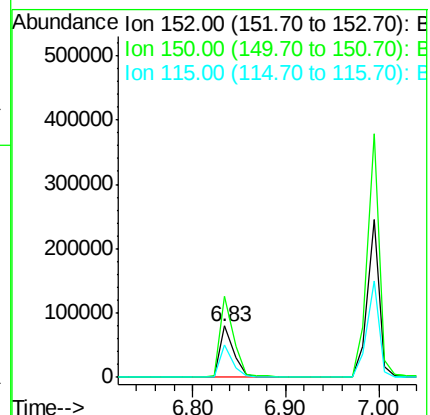
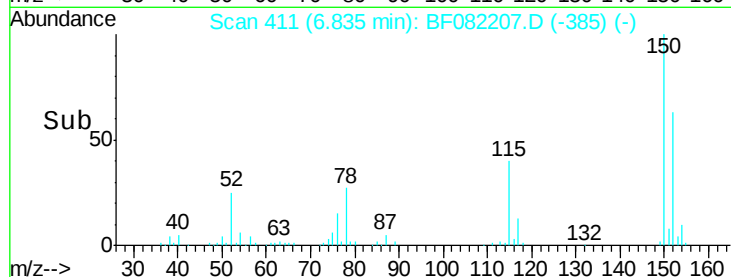
115 64.1 52.1 78.1



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: 103.59 ng

RT: 5.44 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF082207.D

Acq: 11 Oct 2015 6:40

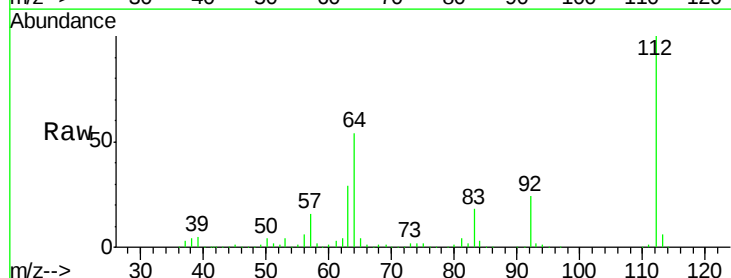
Tgt Ion:112 Resp: 428892

Ion Ratio Lower Upper

112 100

64 54.2 48.6 73.0

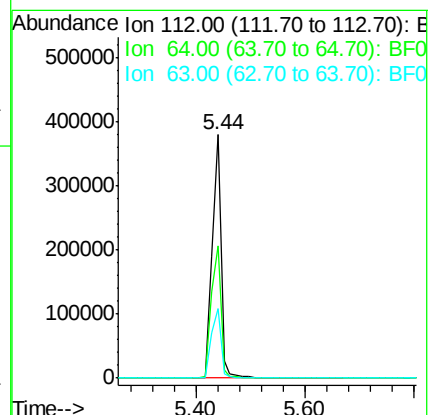
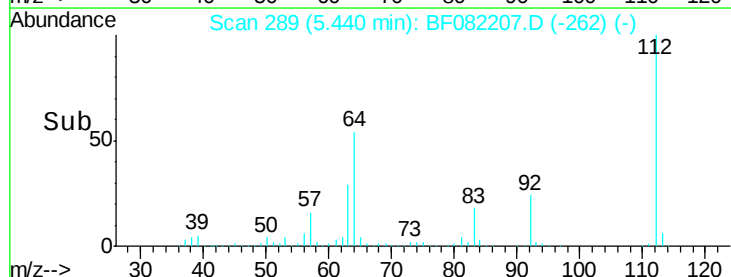
63 28.5 25.1 37.7



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: 94.59 ng

RT: 6.47 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF082207.D

Acq: 11 Oct 2015 6:40

Instrument :

BNA_F

ClientSampleId :

A10COMP

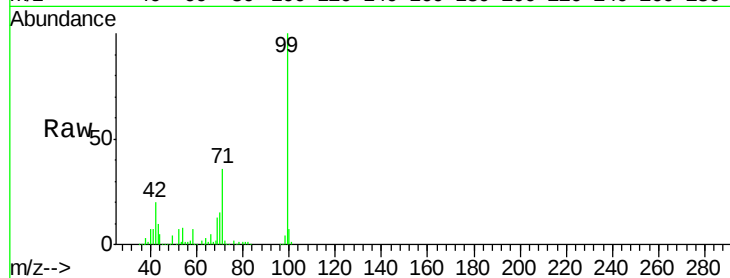
Tot Ion: 99 Resp: 509683

Ion Ratio Lower Upper

99 100

42 19.7 13.2 19.8

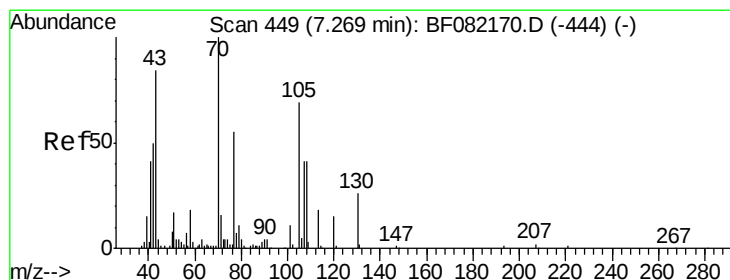
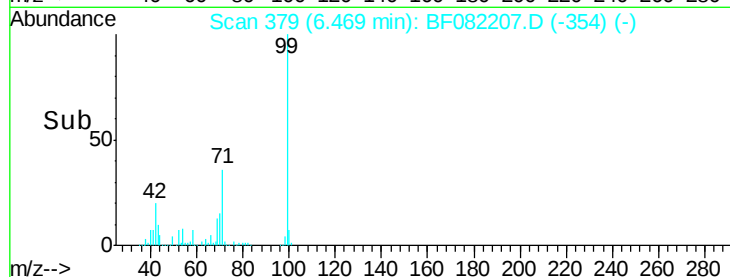
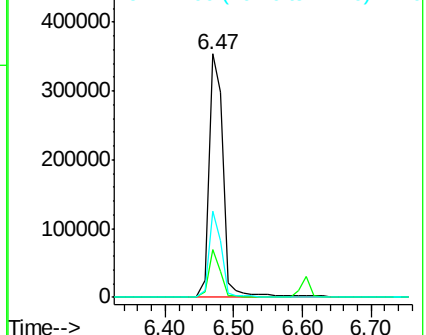
71 35.6 25.6 38.4



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: 10.81 ng

RT: 7.41 min Scan# 461

Delta R.T. 0.15 min

Lab File: BF082207.D

Acq: 11 Oct 2015 6:40

Tgt Ion: 70 Resp: 40906

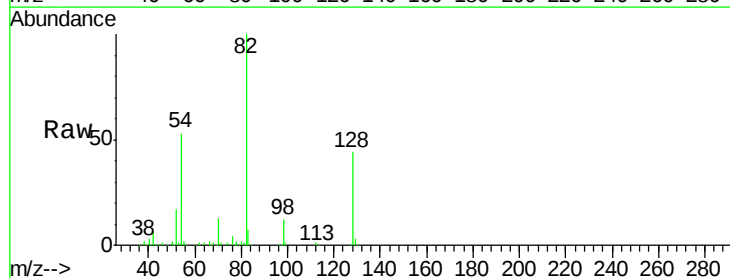
Ion Ratio Lower Upper

70 100

42 47.2 39.8 59.8

101 0.0 8.6 13.0#

130 2.5 20.5 30.7#

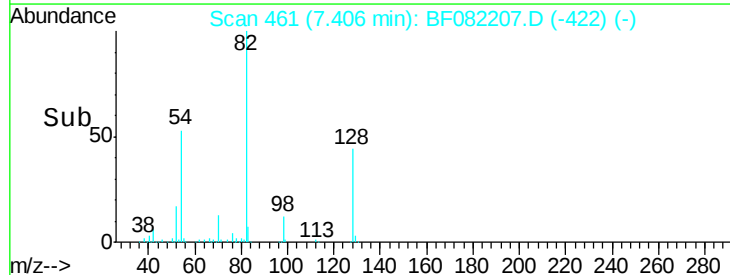
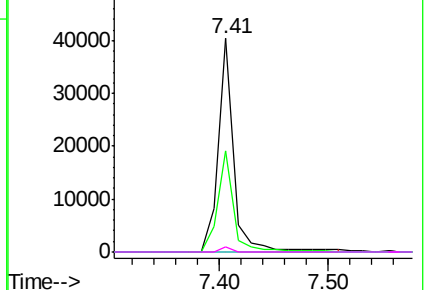


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

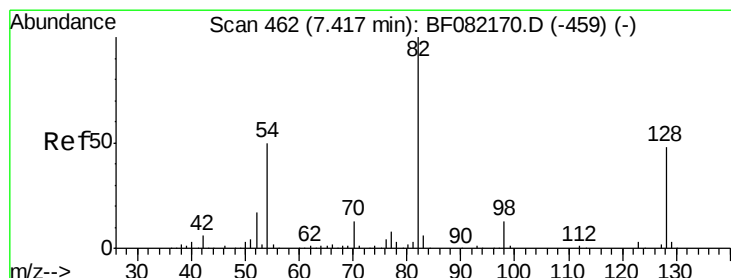
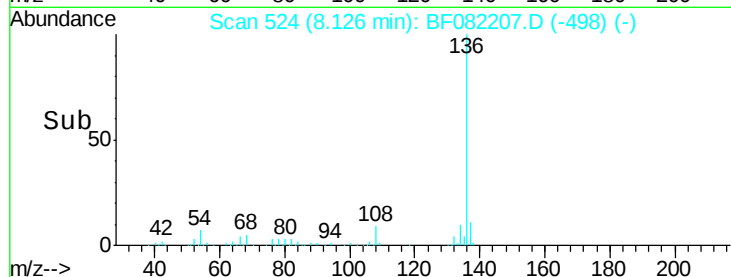
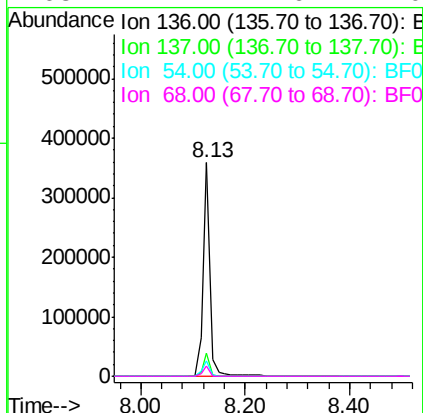
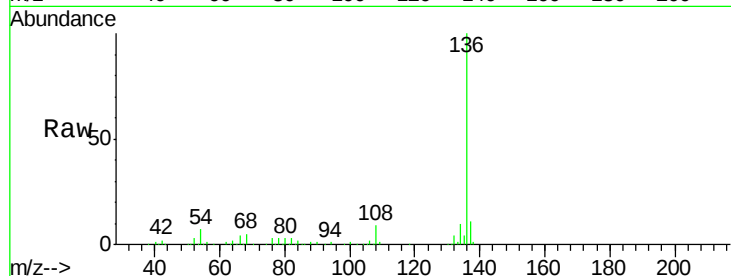




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 524
Delta R.T. 0.00 min
Lab File: BF082207.D
Acq: 11 Oct 2015 6:40

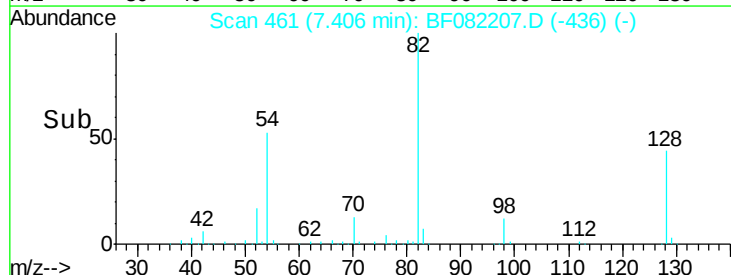
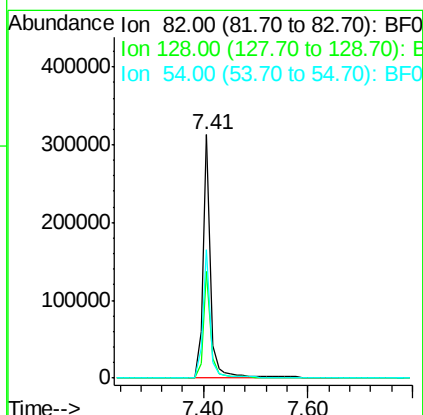
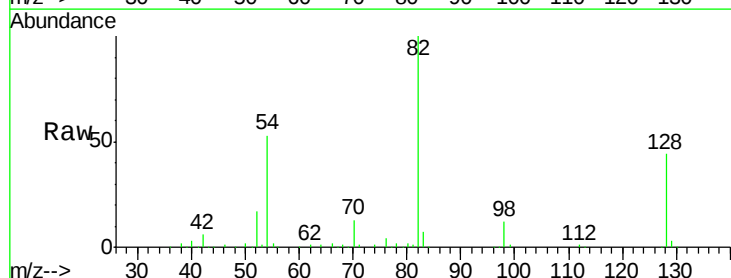
Instrument :
BNA_F
ClientSampleId :
A10COMP

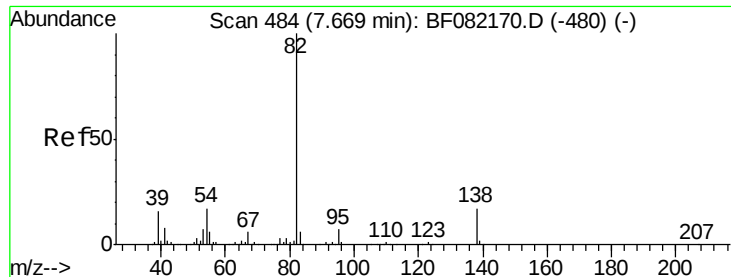
Tot Ion:	136	Resp:	331690
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.6
54	7.0	7.5	11.3#
68	4.7	4.6	7.0



#23
Nitrobenzene-d5
Concen: 65.83 ng
RT: 7.41 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF082207.D
Acq: 11 Oct 2015 6:40

Tgt Ion:	82	Resp:	325150
Ion	Ratio	Lower	Upper
82	100		
128	43.7	38.7	58.1
54	52.6	40.1	60.1





#25

Isophorone

Concen: 27.48 ng

RT: 7.41 min Scan# 461

Delta R.T. -0.26 min

Lab File: BF082207.D

Acq: 11 Oct 2015 6:40

Instrument :

BNA_F

ClientSampleId :

A10COMP

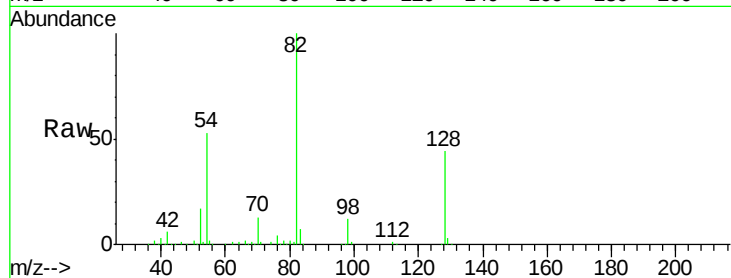
Tot Ion: 82 Resp: 273959

Ion Ratio Lower Upper

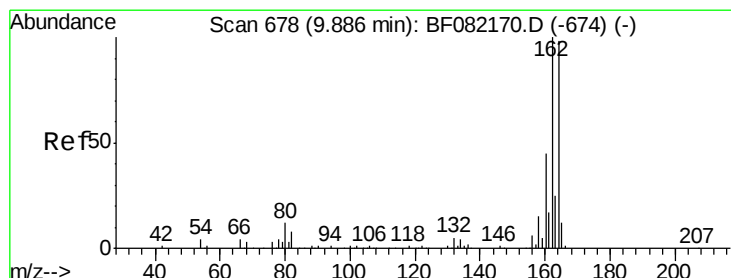
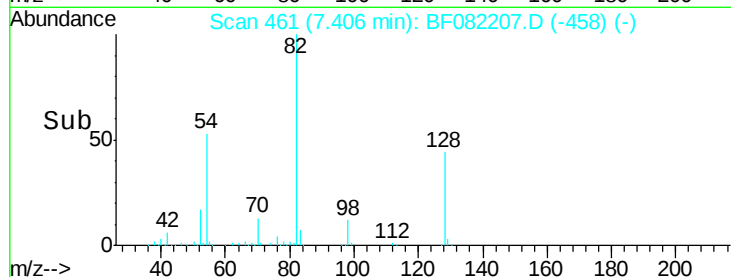
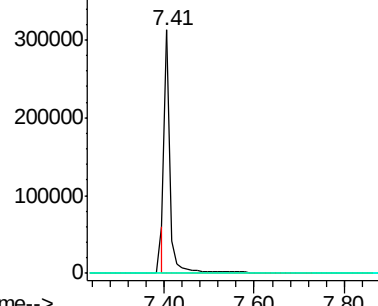
82 100

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: 9.87 min Scan# 677

Delta R.T. -0.01 min

Lab File: BF082207.D

Acq: 11 Oct 2015 6:40

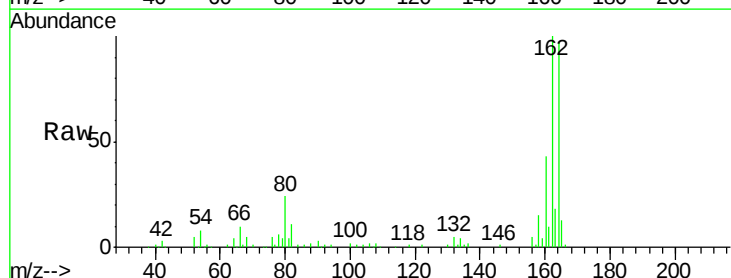
Tgt Ion: 164 Resp: 147076

Ion Ratio Lower Upper

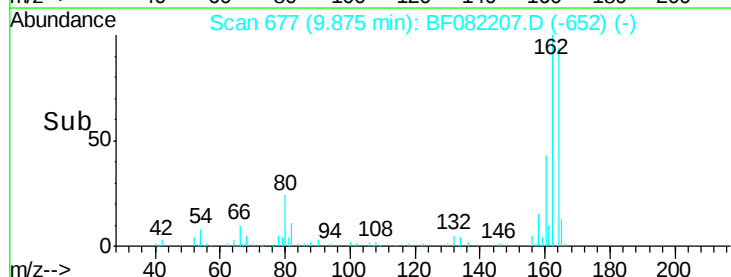
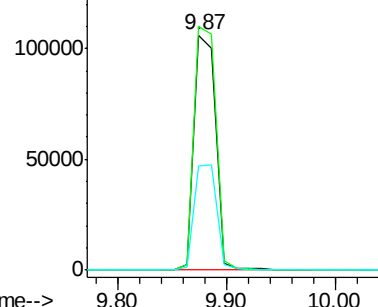
164 100

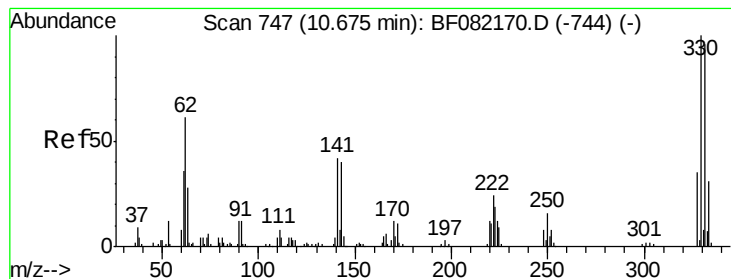
162 103.6 81.6 122.4

160 44.5 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: 92.36 ng

RT: 10.67 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF082207.D

Acq: 11 Oct 2015 6:40

Instrument :

BNA_F

ClientSampleId :

A10COMP

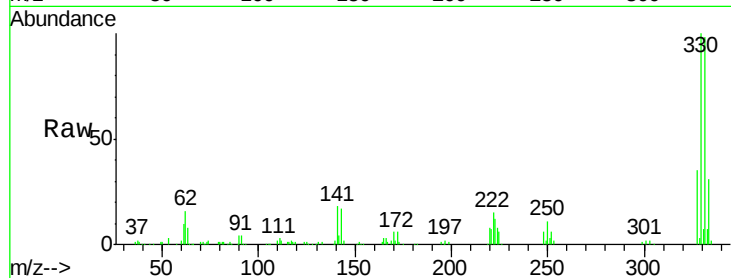
Tot Ion:330 Resp: 127391

Ion Ratio Lower Upper

330 100

332 96.9 77.1 115.7

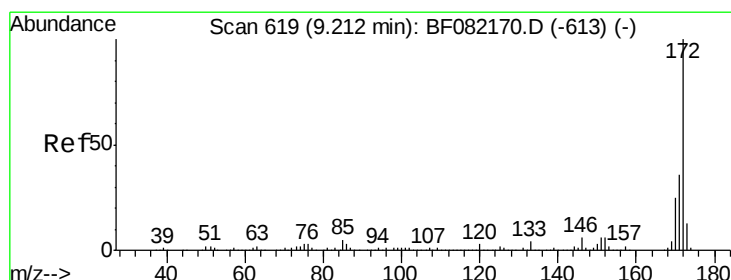
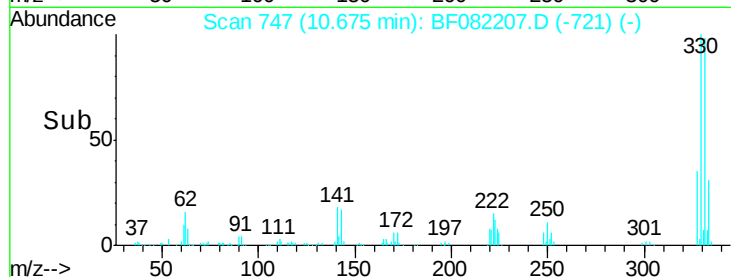
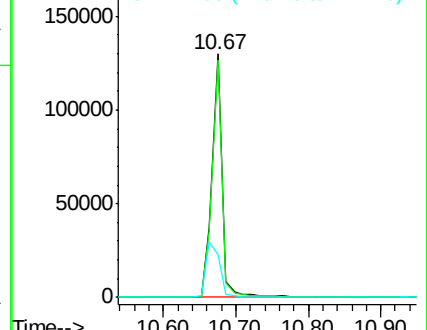
141 30.6 29.8 44.8



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: 62.05 ng

RT: 9.20 min Scan# 618

Delta R.T. -0.01 min

Lab File: BF082207.D

Acq: 11 Oct 2015 6:40

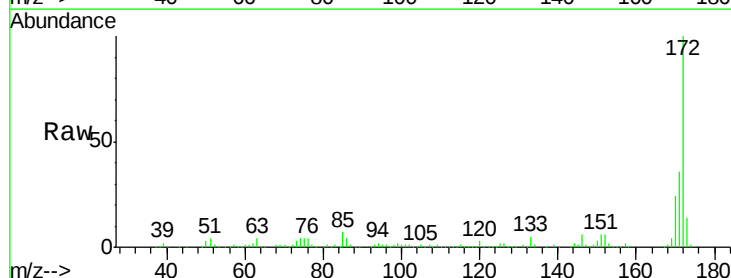
Tgt Ion:172 Resp: 550294

Ion Ratio Lower Upper

172 100

171 35.7 28.6 42.8

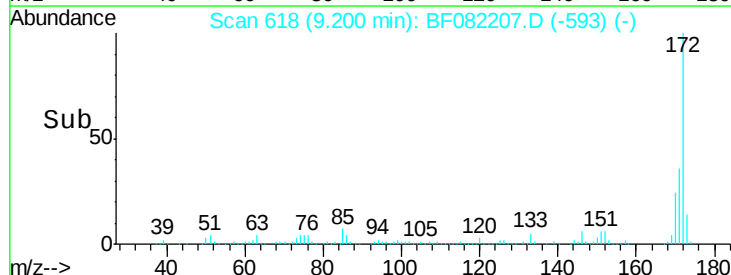
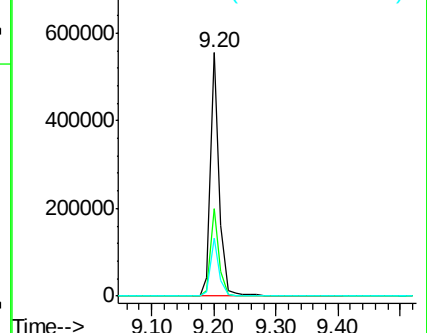
170 24.1 19.7 29.5

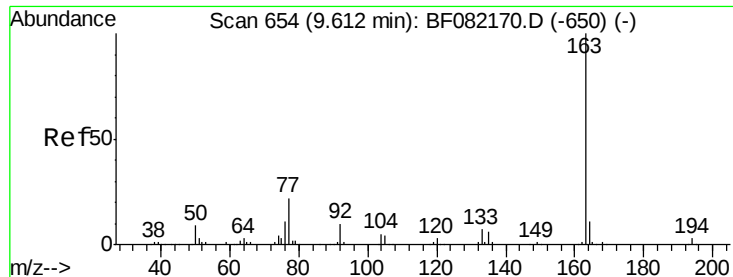


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

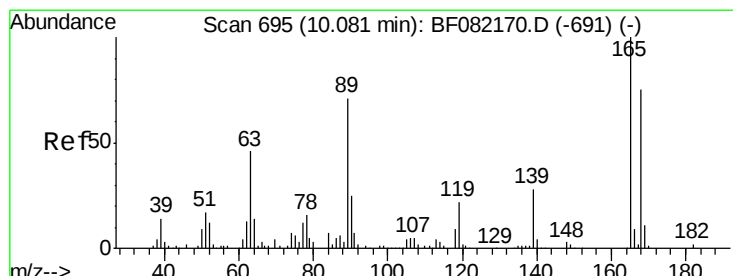
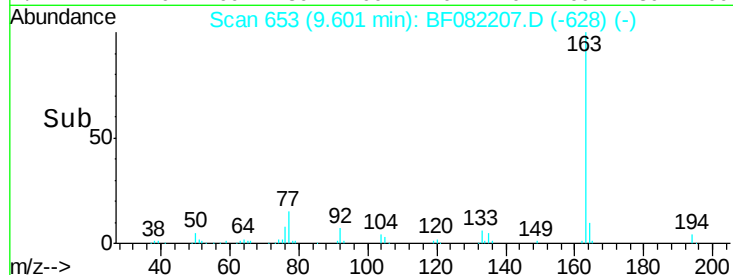
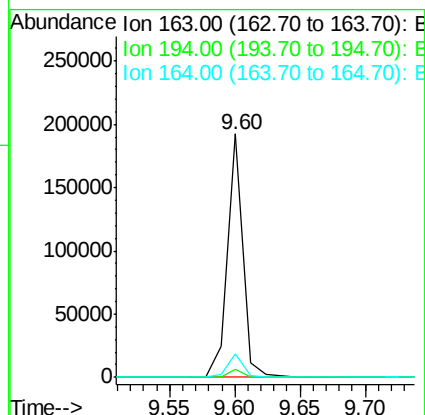
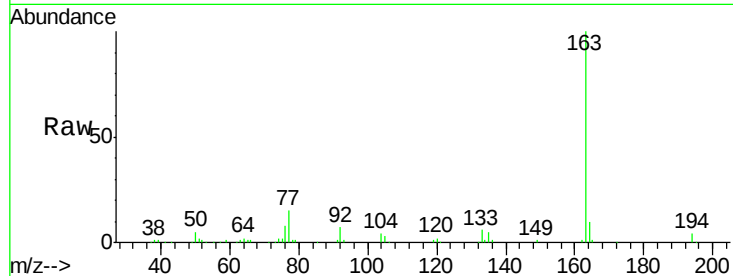




#49
Dimethylphthalate
Concen: 15.53 ng
RT: 9.60 min Scan# 653
Delta R.T. -0.01 min
Lab File: BF082207.D
Acq: 11 Oct 2015 6:40

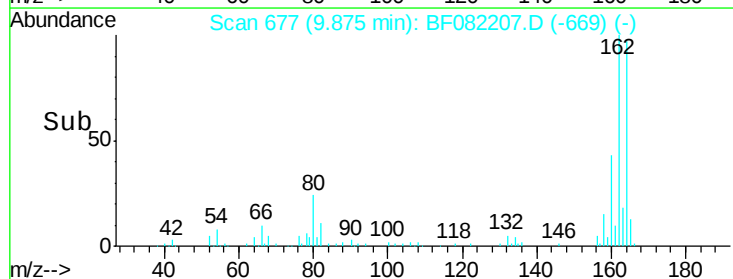
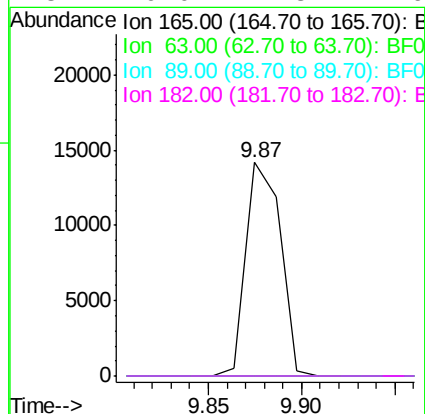
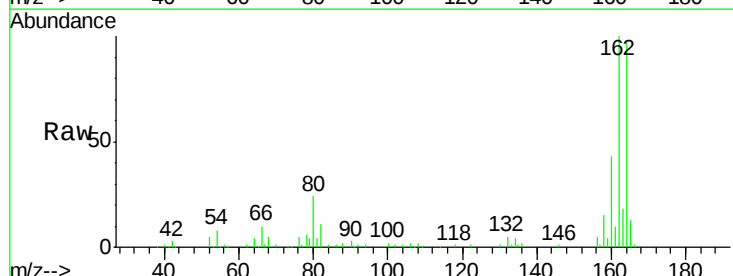
Instrument :
BNA_F
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A10COMP

Tot Ion:163 Resp: 160810
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.8 8.5 12.7



#56
2,4-Dinitrotoluene
Concen: 6.78 ng
RT: 9.87 min Scan# 677
Delta R.T. -0.21 min
Lab File: BF082207.D
Acq: 11 Oct 2015 6:40

Tgt Ion:165 Resp: 18519
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#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF082207.D

Acq: 11 Oct 2015 6:40

Instrument :

BNA_F

ClientSampleId :

A10COMP

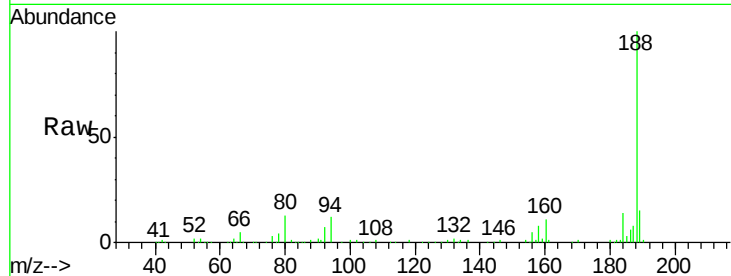
Tot Ion:188 Resp: 252493

Ion Ratio Lower Upper

188 100

94 11.7 5.8 8.6#

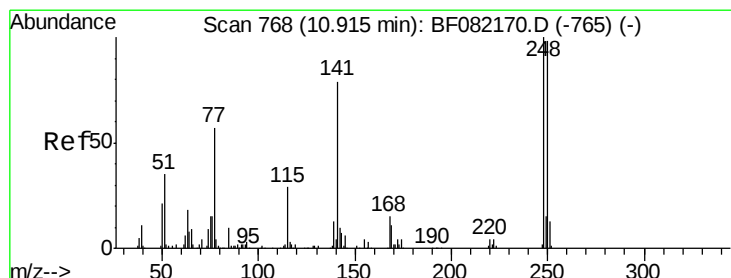
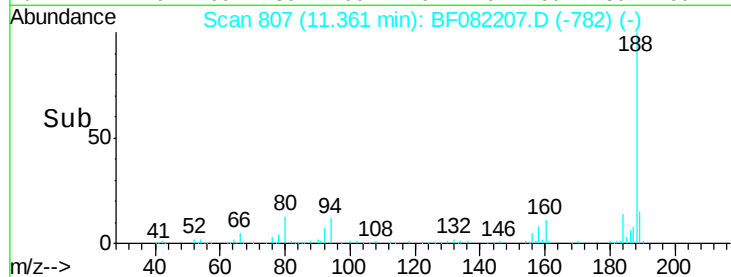
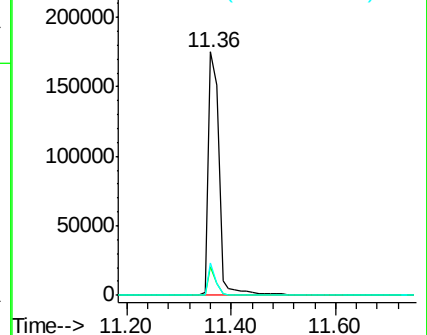
80 13.3 6.4 9.6#



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: 3.18 ng

RT: 10.67 min Scan# 747

Delta R.T. -0.24 min

Lab File: BF082207.D

Acq: 11 Oct 2015 6:40

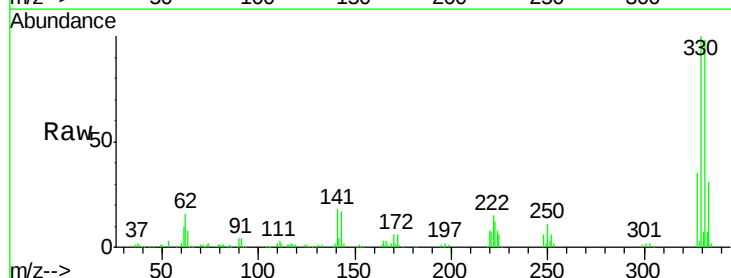
Tgt Ion:248 Resp: 8040

Ion Ratio Lower Upper

248 100

250 196.8 78.6 117.8#

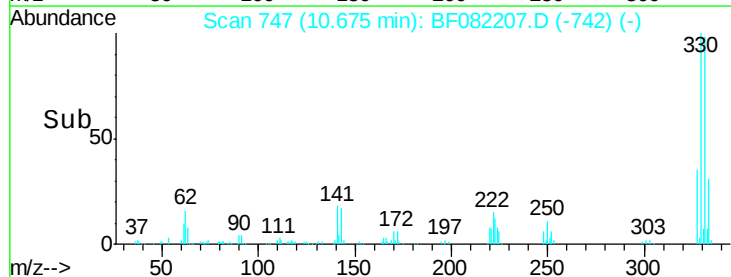
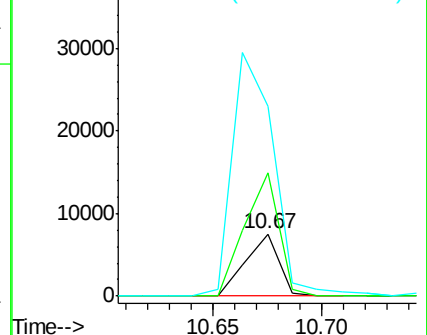
141 303.7 63.3 94.9#

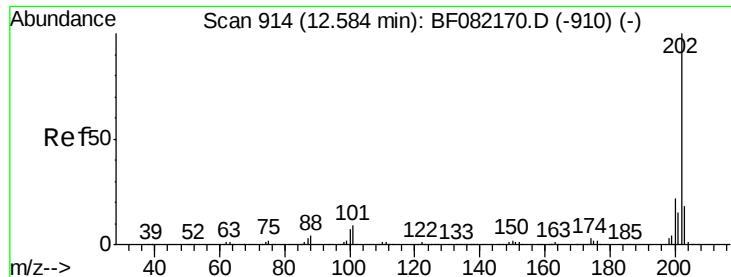


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

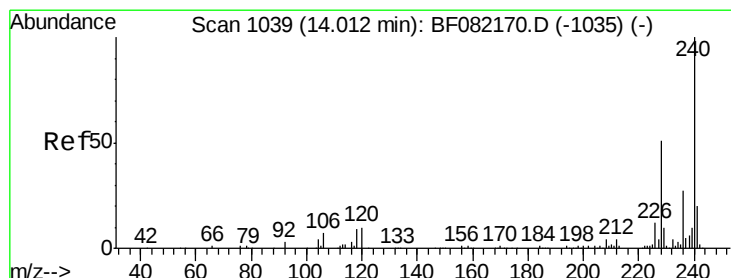
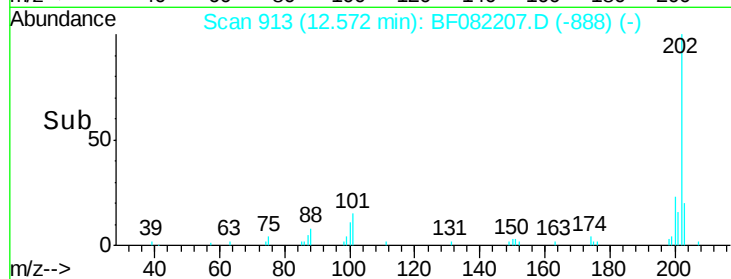
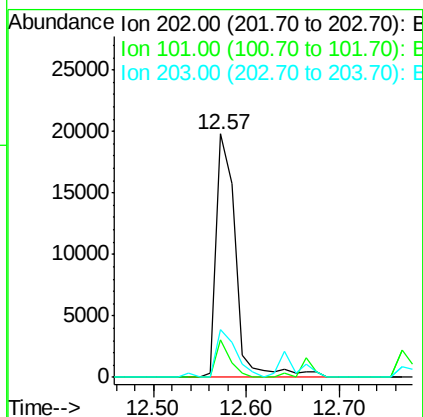
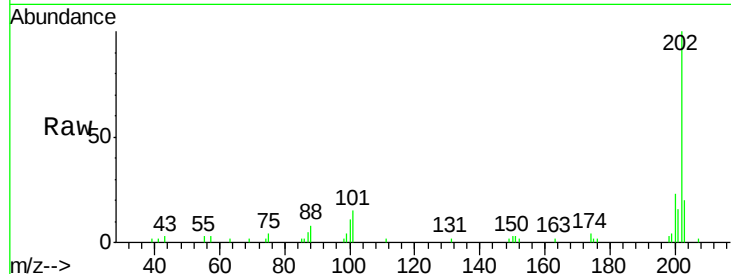




#74
 Fluoranthene
 Concen: 2.14 ng
 RT: 12.57 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: BF082207.D
 Acq: 11 Oct 2015 6:40

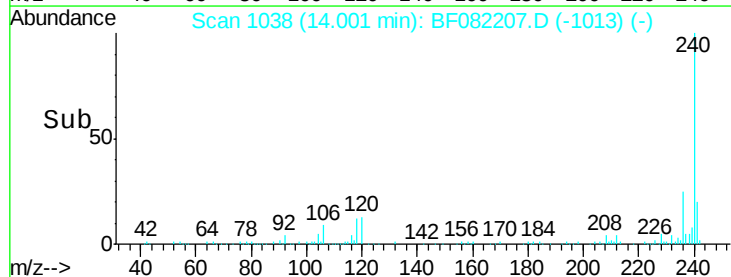
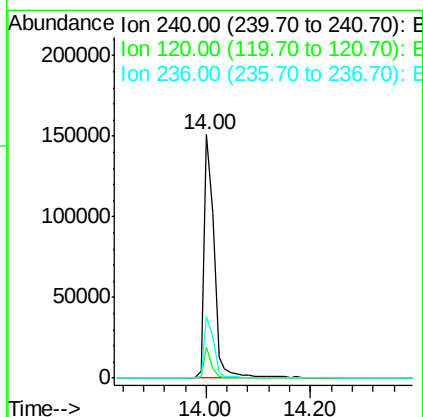
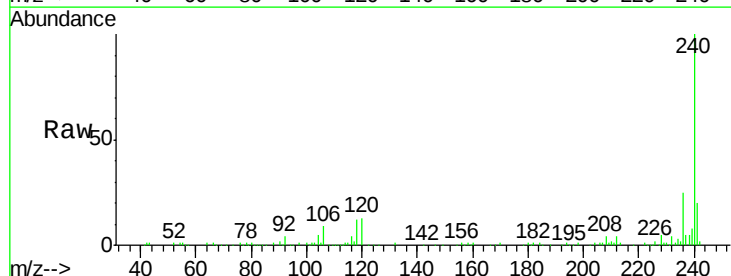
Instrument :
 BNA_F
 ClientSampleId :
 A10COMP

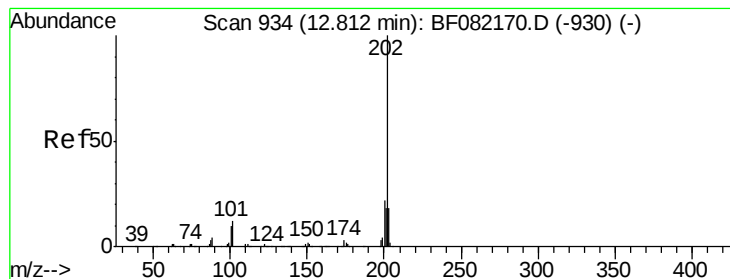
Tot Ion	Ratio	Lower	Upper
202	100		
101	15.4	0.0	29.3
203	19.6	0.0	37.8



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.00 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF082207.D
 Acq: 11 Oct 2015 6:40

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.0	8.1	12.1#
236	25.5	21.3	31.9





#77

Pvrene

Concen: 2.02 ng

RT: 12.80 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF082207.D

Acq: 11 Oct 2015 6:40

Instrument :

BNA_F

ClientSampleId :

A10COMP

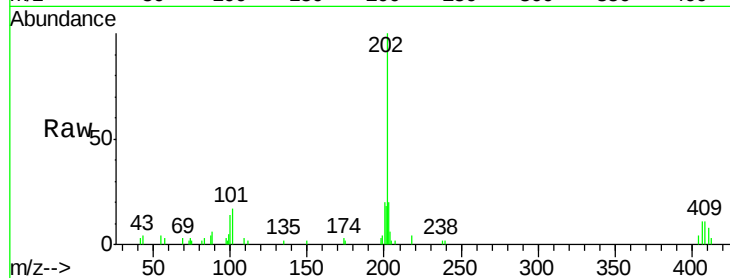
Tot Ion:202 Resp: 24412

Ion Ratio Lower Upper

202 100

200 19.8 17.9 26.9

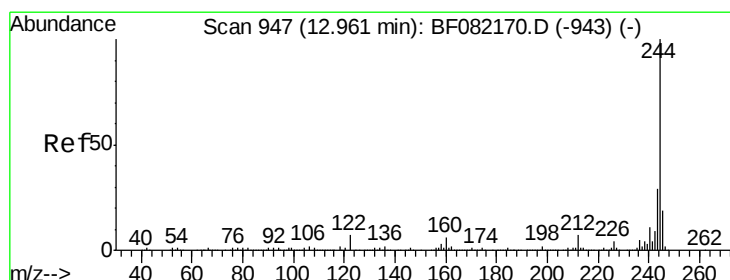
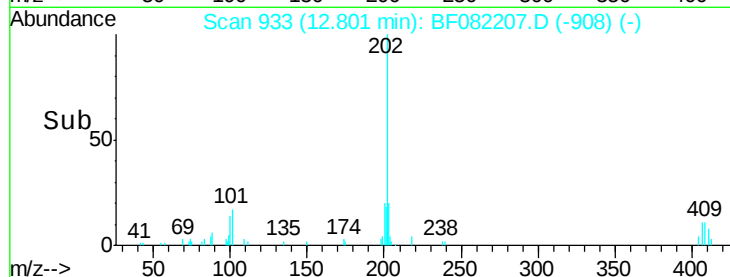
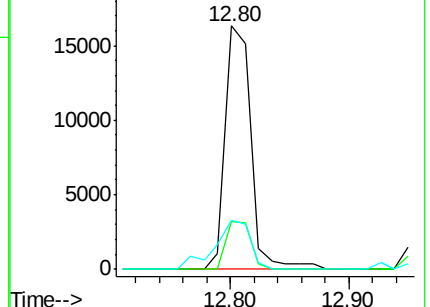
203 20.3 14.5 21.7



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: 53.65 ng

RT: 12.95 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF082207.D

Acq: 11 Oct 2015 6:40

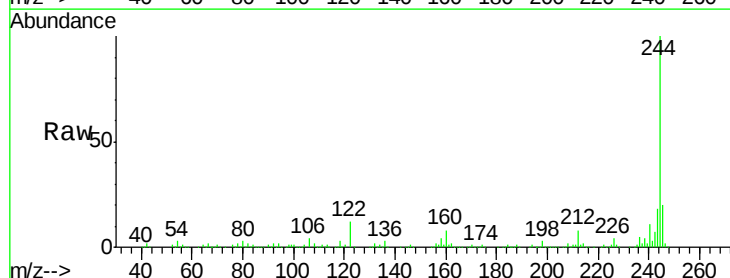
Tgt Ion:244 Resp: 412581

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

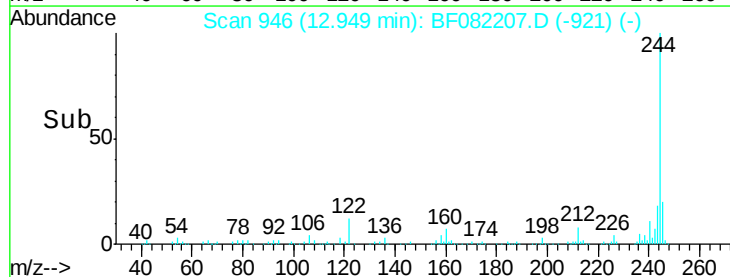
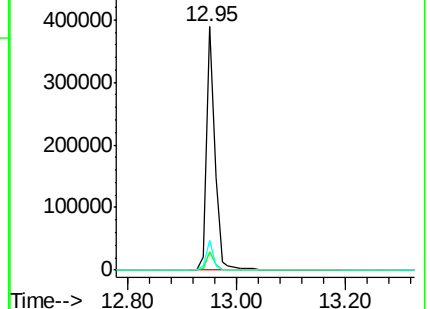
122 12.4 5.9 8.9#

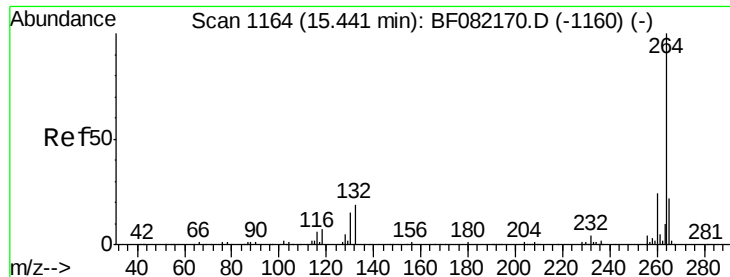


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

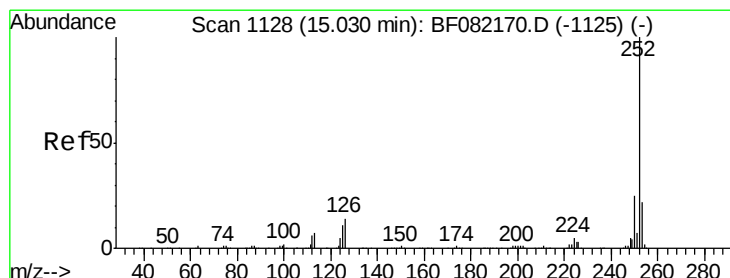
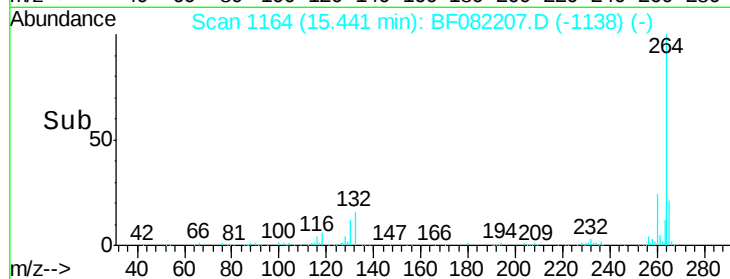
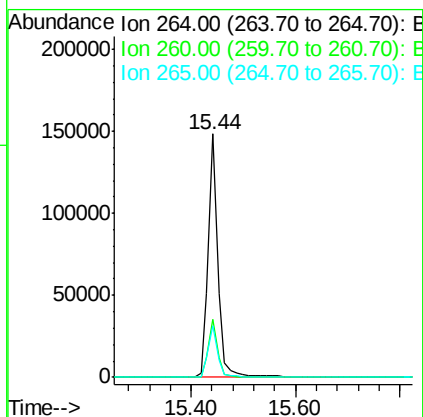
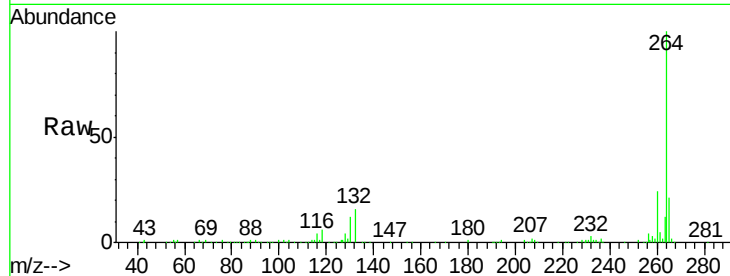




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1164
Delta R.T. 0.00 min
Lab File: BF082207.D
Acq: 11 Oct 2015 6:40

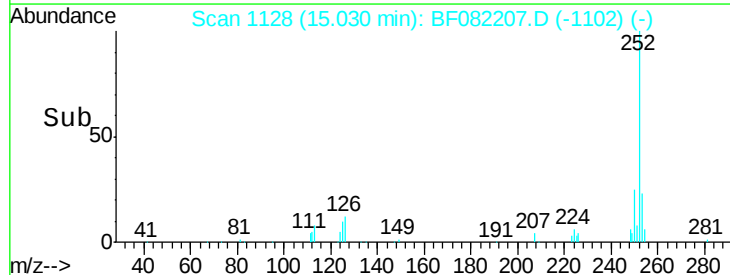
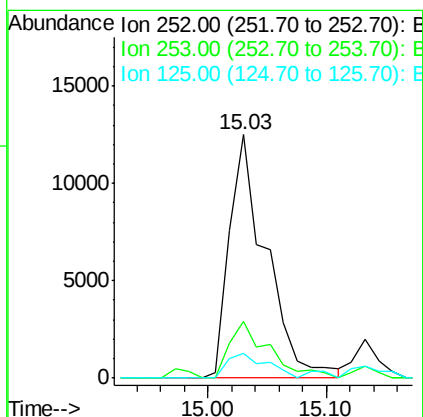
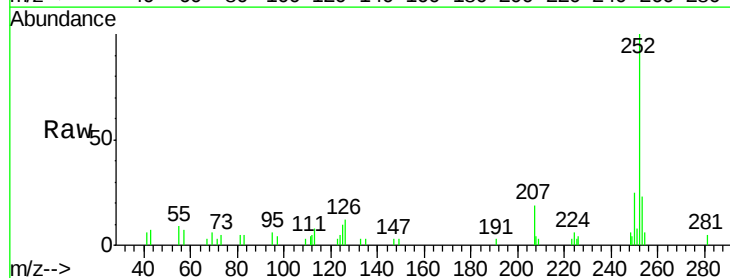
Instrument :
BNA_F
ClientSampleId :
A10COMP

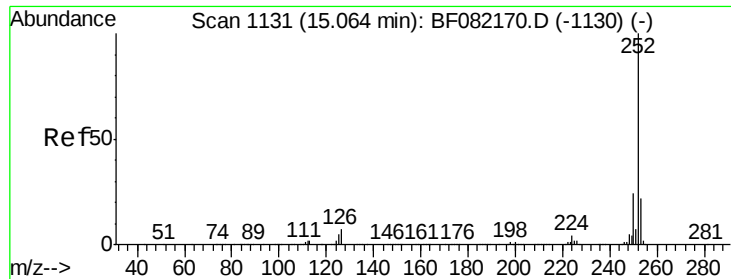
Tot Ion:264 Resp: 191026
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.6
265 21.2 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 2.31 ng
RT: 15.03 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF082207.D
Acq: 11 Oct 2015 6:40

Tgt Ion:252 Resp: 26889
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 10.2 8.6 12.8





#88
 Benzo(k)fluoranthene
 Concen: 2.75 ng
 RT: 15.03 min Scan# 1128
 Delta R.T. -0.03 min
 Lab File: BF082207.D
 Acq: 11 Oct 2015 6:40

Instrument :
 BNA_F
 ClientSampleId :
 A10COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	10.2	6.7	10.1

