

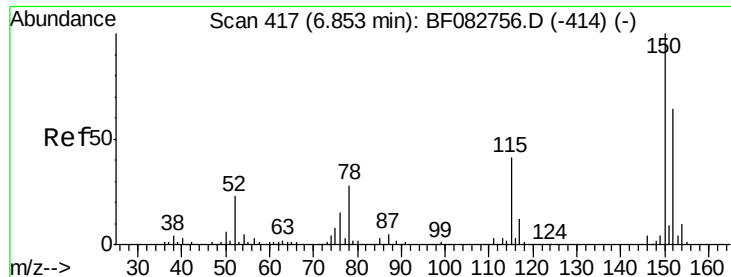
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111315\
 Data File : BF082911.D
 Acq On : 13 Nov 2015 21:54
 Operator : UM/IZ
 Sample : G4376-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-1-0-2IN

Quant Time: Nov 14 03:08:18 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 07 02:32:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	246362	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	919025	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	409011	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	691594	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	557239	20.00	ng	-0.05
86) Perylene-d12	15.39	264	585936	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	945981	59.74	ng	-0.02
7) Phenol-d6	6.46	99	1296579	61.60	ng	-0.01
23) Nitrobenzene-d5	7.37	82	786815	37.25	ng	-0.04
41) 2,4,6-Tribromophenol	10.65	330	272455	58.10	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	1134539	39.76	ng	-0.05
78) Terphenyl-d14	12.92	244	720637	30.67	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	103863	6.71	ng	# 71
25) Isophorone	7.37	82	707010	18.09	ng	# 69
49) Dimethylphthalate	9.57	163	364938	10.89	ng	97
56) 2,4-Dinitrotoluene	9.85	165	52659	5.43	ng	# 15
66) 4-Bromophenyl-phenylether	10.65	248	17489	2.10	ng	# 1
70) Phenanthrene	11.36	178	84603	2.11	ng	96
74) Fluoranthene	12.55	202	118886	2.76	ng	98
77) Pyrene	12.77	202	100357	2.62	ng	94
87) Benzo(b)fluoranthene	14.99	252	86381	2.30	ng	# 94
88) Benzo(k)fluoranthene	14.99	252	86273	2.59	ng	# 94

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF082911.D

Acq: 13 Nov 2015 21:54

Instrument :

BNA_F

ClientSampleId :

SS-1-0-2IN

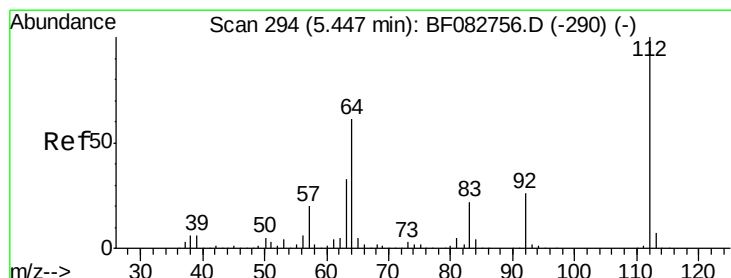
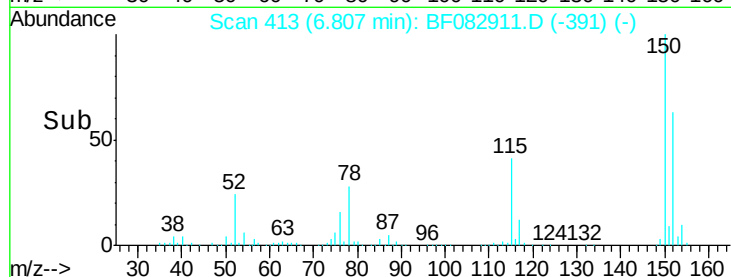
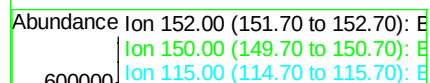
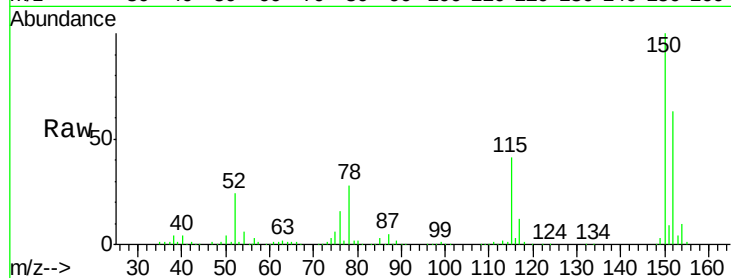
Tgt Ion:152 Resp: 246362

Ion Ratio Lower Upper

152 100

150 157.8 127.0 190.4

115 64.9 47.0 70.6



#5

2-Fluorophenol

Concen: 59.74 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.02 min

Lab File: BF082911.D

Acq: 13 Nov 2015 21:54

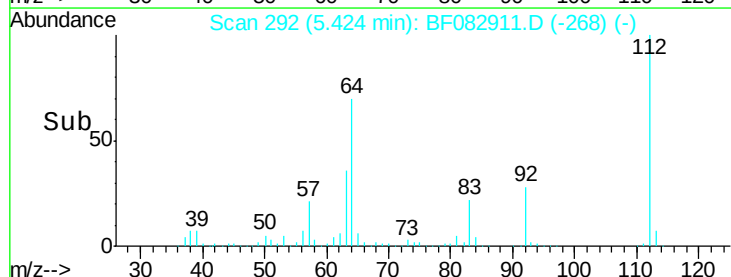
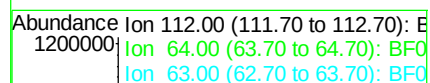
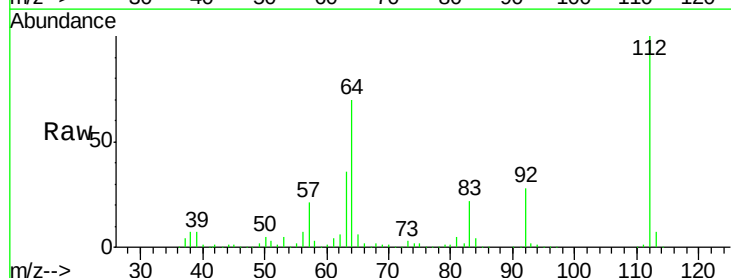
Tgt Ion:112 Resp: 945981

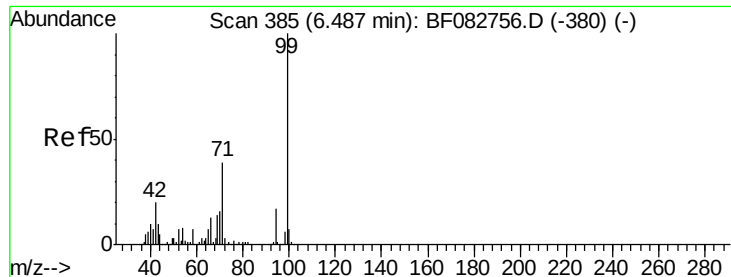
Ion Ratio Lower Upper

112 100

64 70.0 48.9 73.3

63 36.1 28.1 42.1





#7

Phenol-d6

Concen: 61.60 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF082911.D

Acq: 13 Nov 2015 21:54

Instrument :

BNA_F

ClientSampleId :

SS-1-0-2IN

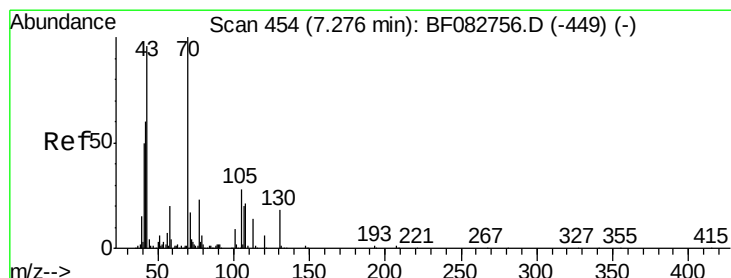
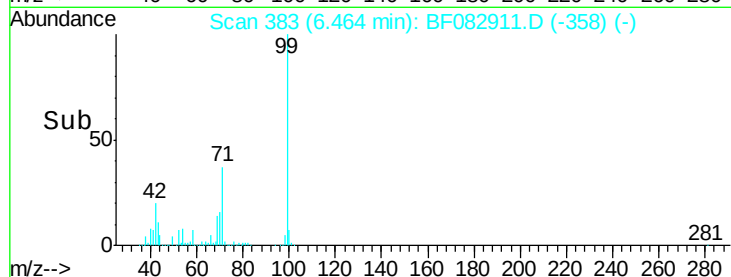
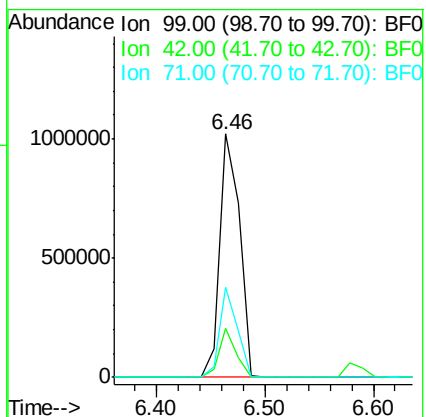
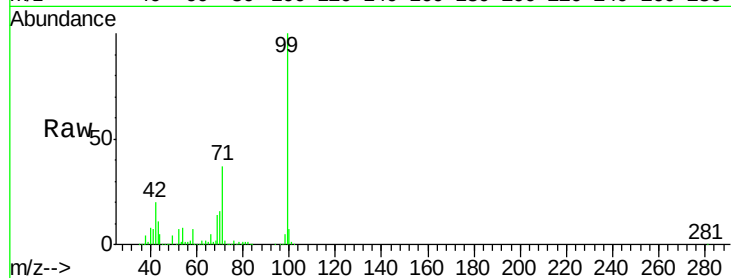
Tgt Ion: 99 Resp: 1296579

Ion Ratio Lower Upper

99 100

42 20.2 19.2 28.8

71 36.8 35.0 52.4



#19

n-Nitroso-di-n-propylamine

Concen: 6.71 ng

RT: 7.37 min Scan# 462

Delta R.T. 0.10 min

Lab File: BF082911.D

Acq: 13 Nov 2015 21:54

Tgt Ion: 70 Resp: 103863

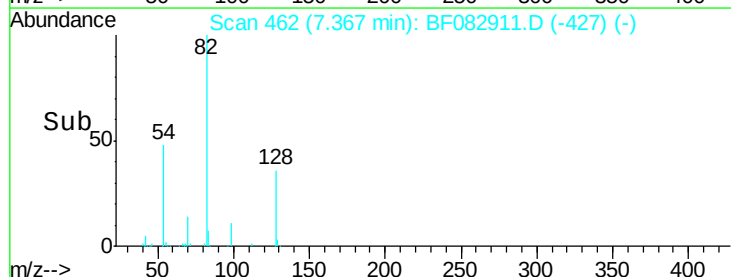
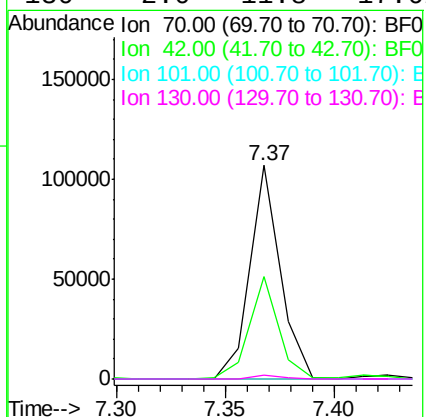
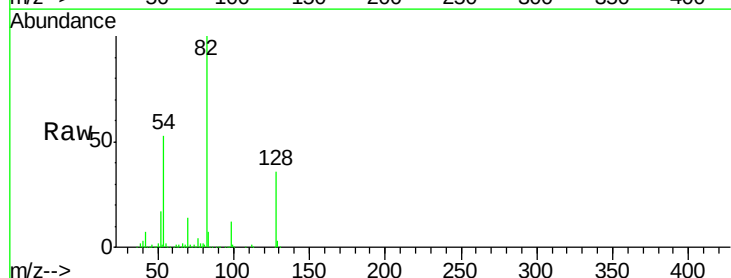
Ion Ratio Lower Upper

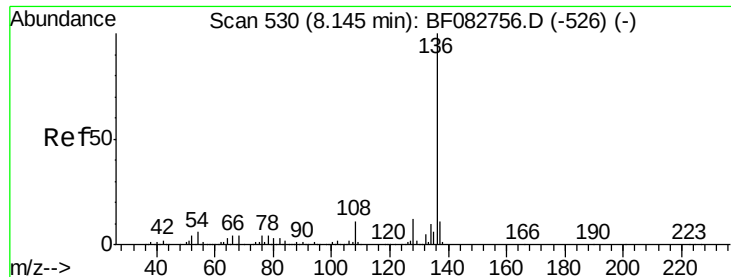
70 100

42 47.9 57.7 86.5#

101 0.0 7.0 10.6#

130 2.0 11.8 17.6#

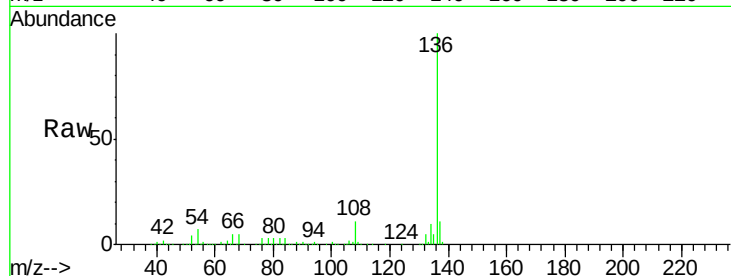




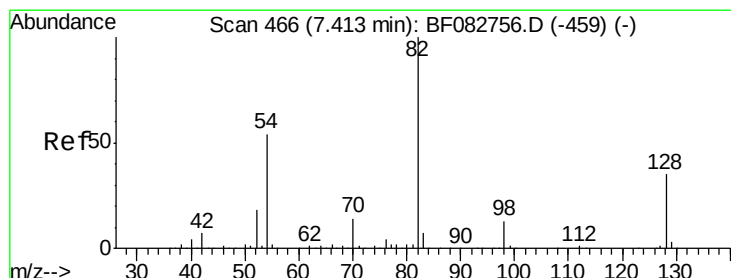
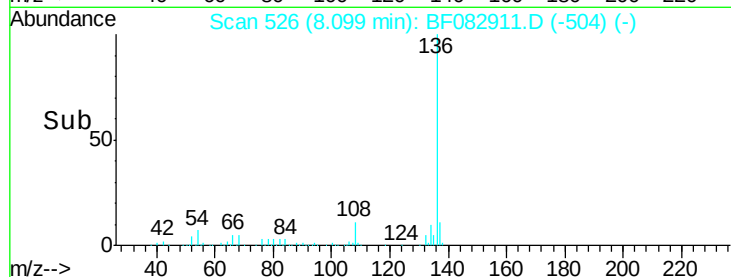
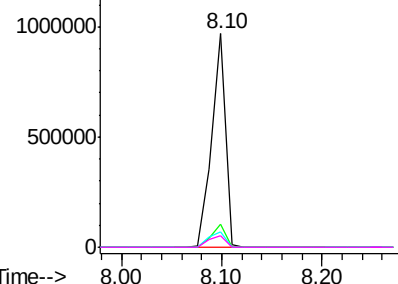
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF082911.D
Acq: 13 Nov 2015 21:54

Instrument :
BNA_F
ClientSampled :
SS-1-0-2IN

Tgt Ion:	136	Resp:	919025
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	7.2	9.1	13.7#
68	5.3	4.8	7.2

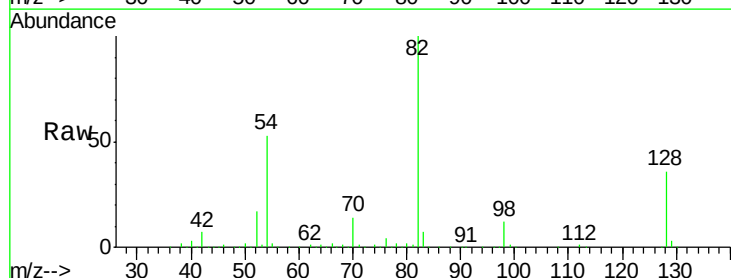


Abundance Ion 136.00 (135.70 to 136.70): E
1500000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

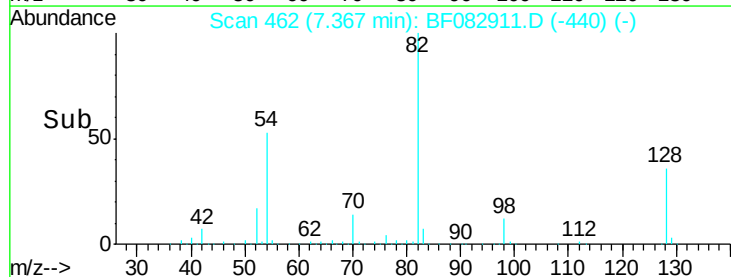
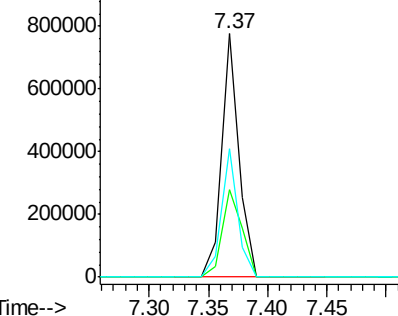


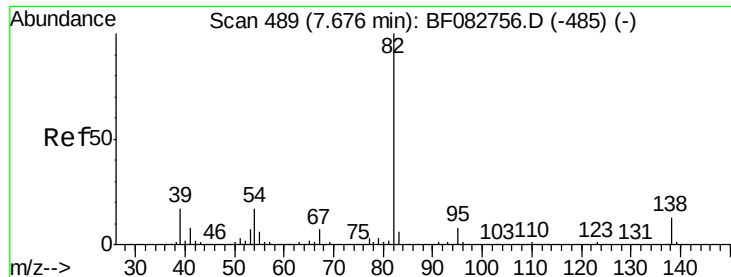
#23
Nitrobenzene-d5
Concen: 37.25 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.04 min
Lab File: BF082911.D
Acq: 13 Nov 2015 21:54

Tgt Ion:	82	Resp:	786815
Ion	Ratio	Lower	Upper
82	100		
128	35.8	26.8	40.2
54	52.6	45.7	68.5



Abundance Ion 82.00 (81.70 to 82.70): BF0
1000000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 18.09 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.31 min

Lab File: BF082911.D

Acq: 13 Nov 2015 21:54

Instrument :

BNA_F

ClientSampleId :

SS-1-0-2IN

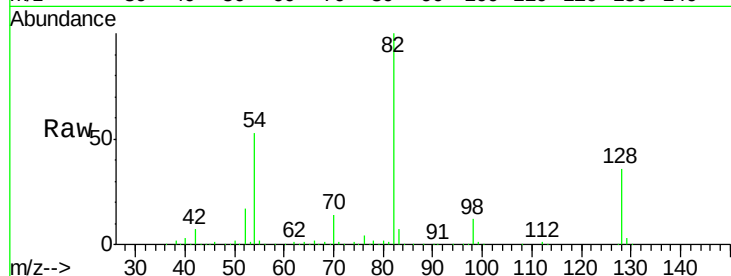
Tgt Ion: 82 Resp: 707010

Ion Ratio Lower Upper

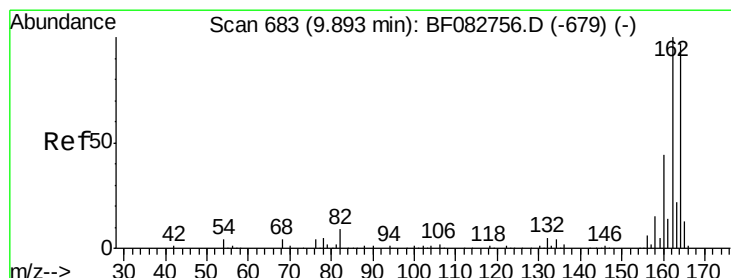
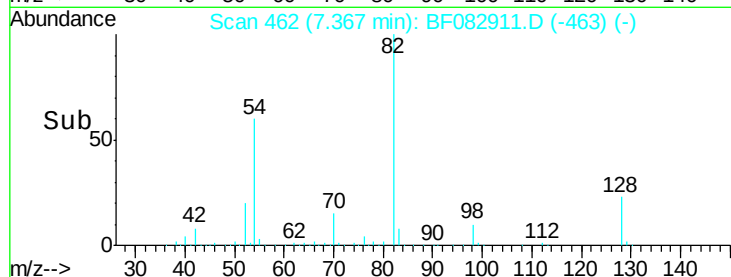
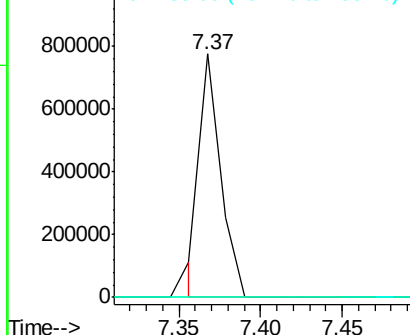
82 100

95 0.0 6.6 9.8#

138 0.0 11.4 17.0#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF082911.D

Acq: 13 Nov 2015 21:54

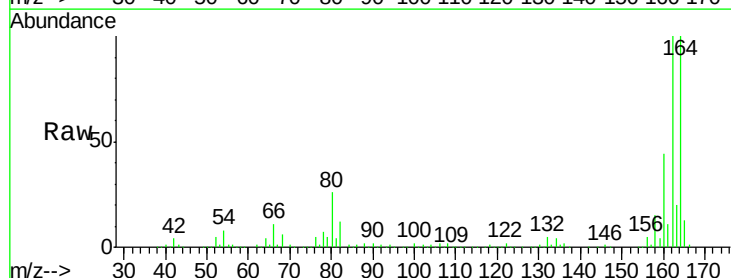
Tgt Ion: 164 Resp: 409011

Ion Ratio Lower Upper

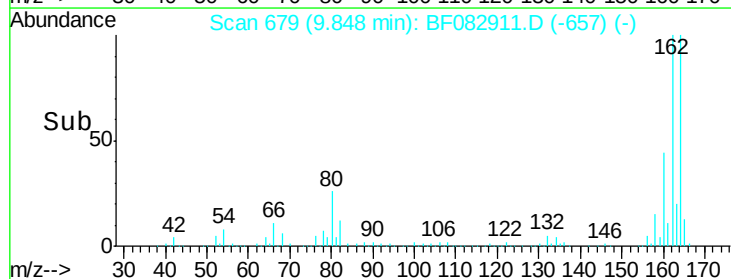
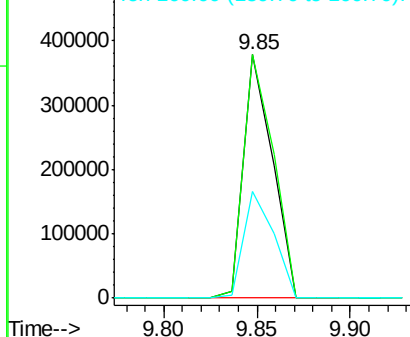
164 100

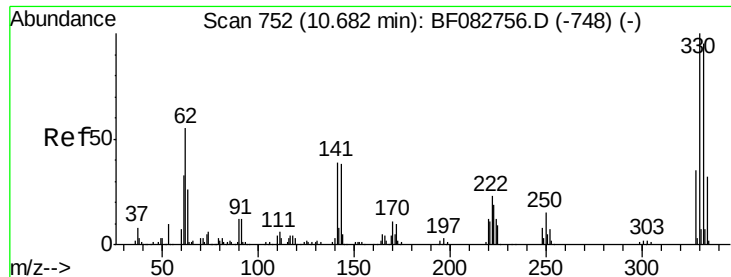
162 99.9 84.9 127.3

160 43.7 37.5 56.3



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

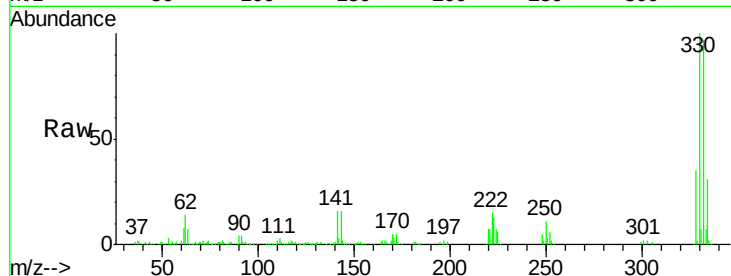




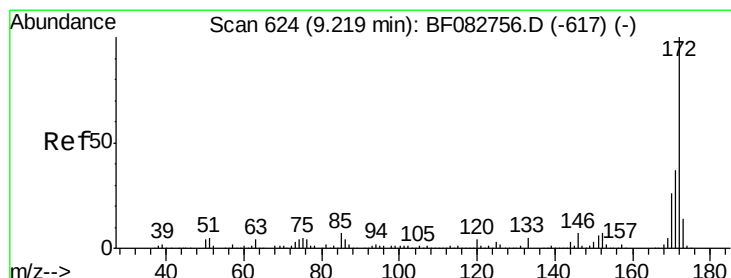
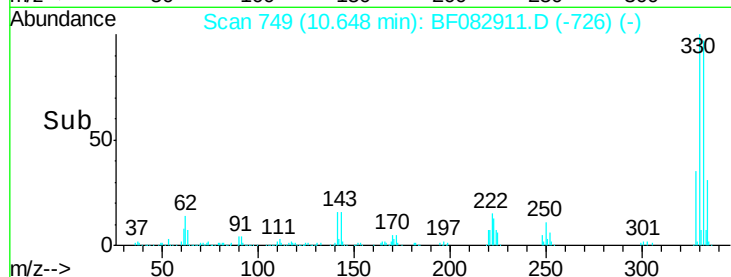
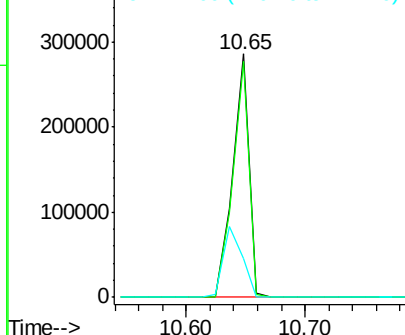
#41
 2,4,6-Tribromophenol
 Concen: 58.10 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.03 min
 Lab File: BF082911.D
 Acq: 13 Nov 2015 21:54

Instrument :
 BNA_F
 ClientSampleId :
 SS-1-0-2IN

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.6	114.8
141	33.4	41.2	61.8#

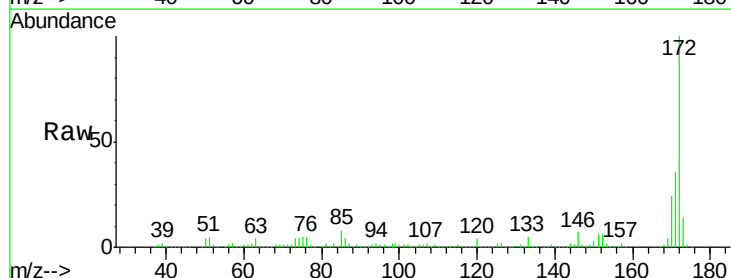


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

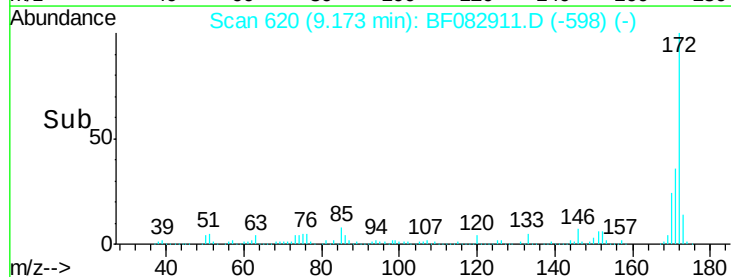
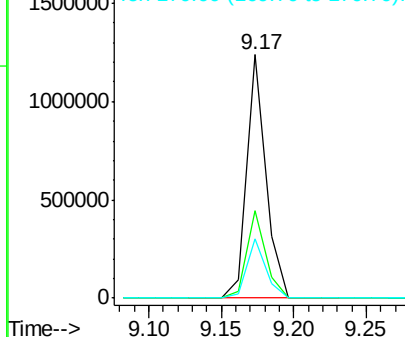


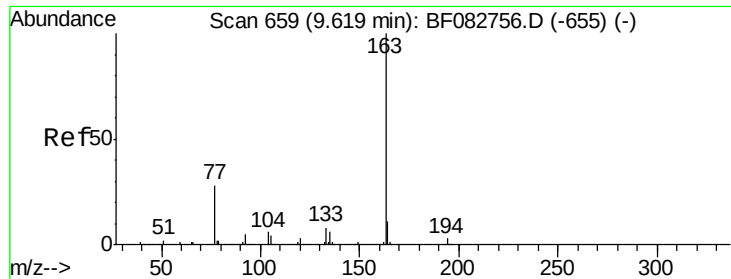
#44
 2-Fluorobiphenyl
 Concen: 39.76 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF082911.D
 Acq: 13 Nov 2015 21:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.8	46.2
170	24.4	21.2	31.8



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

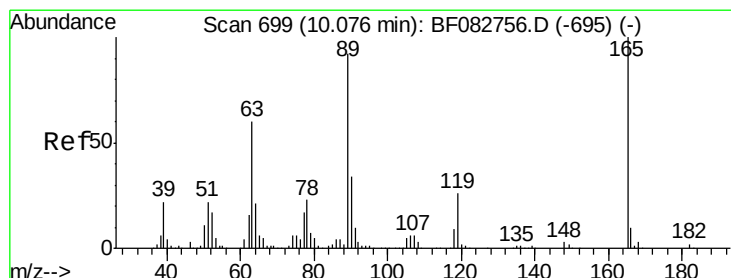
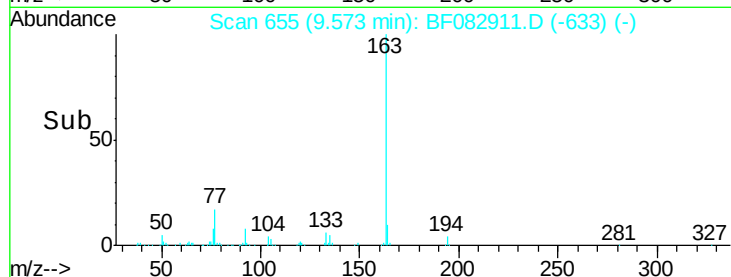
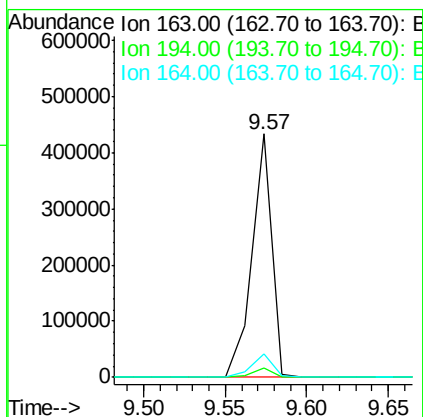
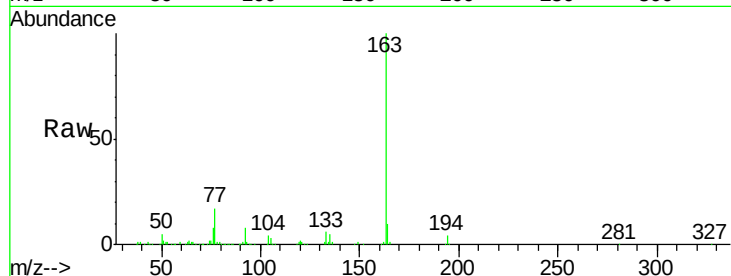




#49
Dimethylphthalate
Concen: 10.89 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.05 min
Lab File: BF082911.D
Acq: 13 Nov 2015 21:54

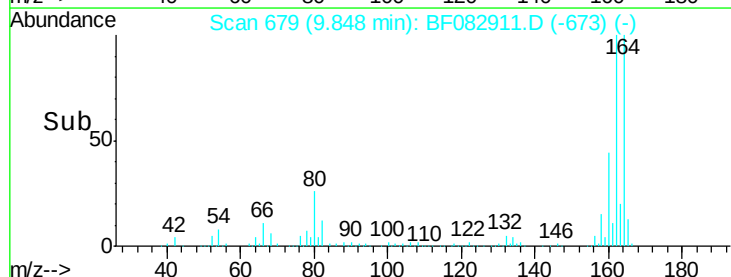
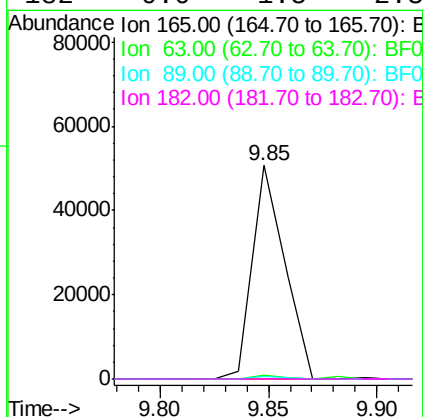
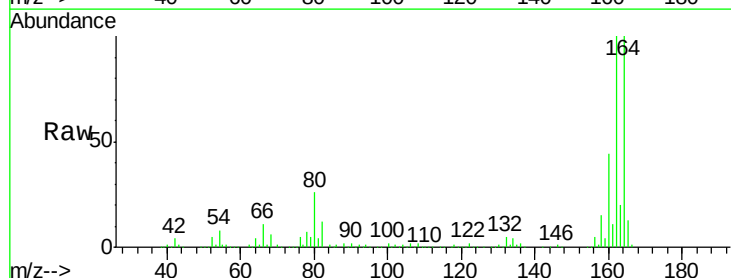
Instrument :
BNA_F
ClientSampleId :
SS-1-0-2IN

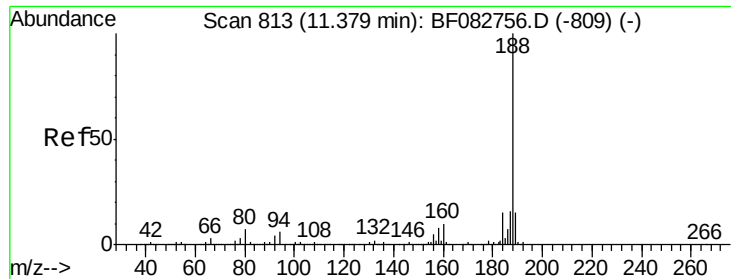
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.6	4.0
164	9.7	8.7	13.1



#56
2,4-Dinitrotoluene
Concen: 5.43 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.23 min
Lab File: BF082911.D
Acq: 13 Nov 2015 21:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	43.4	65.0#
89	1.3	70.6	106.0#
182	0.0	1.5	2.3#

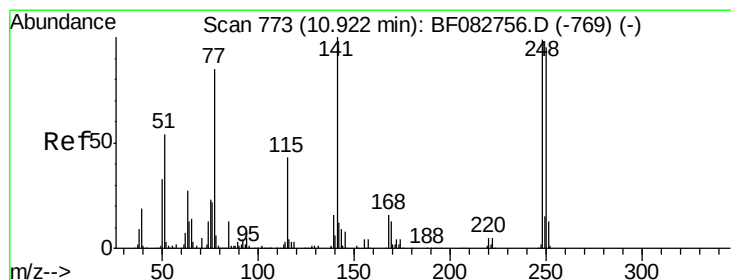
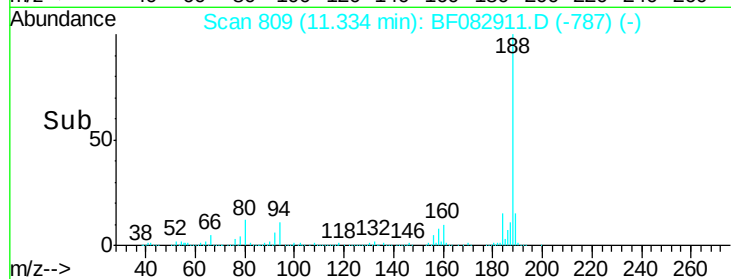
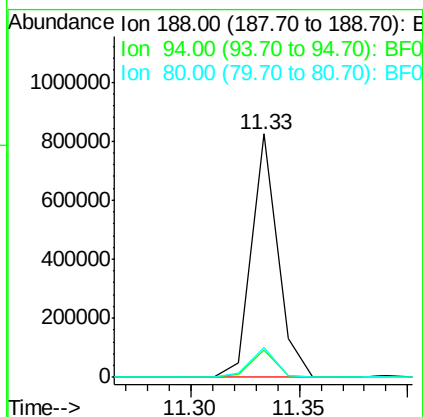
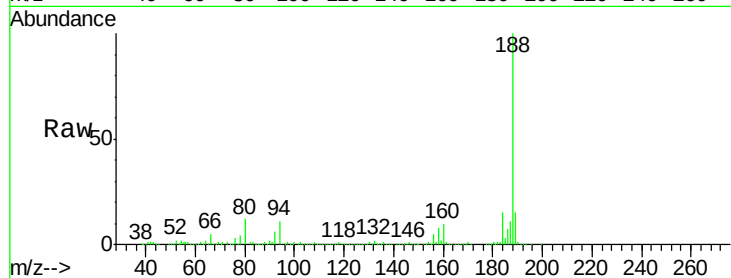




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF082911.D
Acq: 13 Nov 2015 21:54

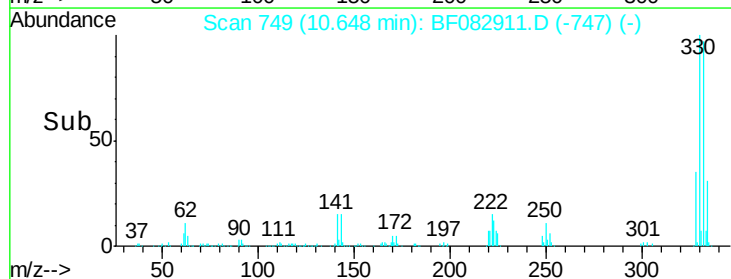
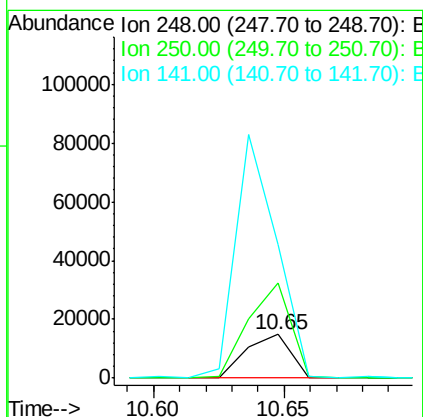
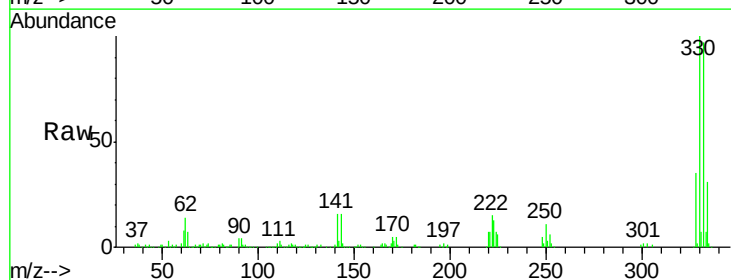
Instrument :
BNA_F
ClientSampleId :
SS-1-0-2IN

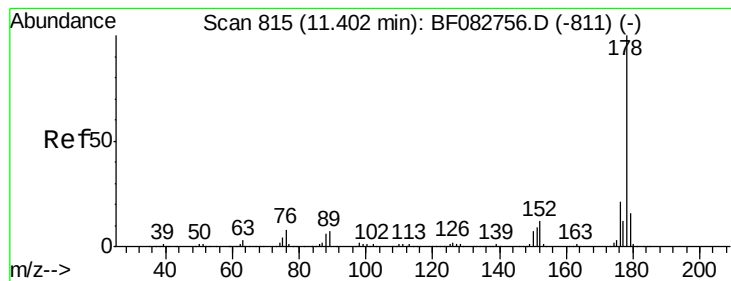
Tgt Ion:188 Resp: 691594
Ion Ratio Lower Upper
188 100
94 11.1 6.1 9.1#
80 12.4 7.0 10.6#



#66
4-Bromophenyl-phenylether
Concen: 2.10 ng
RT: 10.65 min Scan# 749
Delta R.T. -0.27 min
Lab File: BF082911.D
Acq: 13 Nov 2015 21:54

Tgt Ion:248 Resp: 17489
Ion Ratio Lower Upper
248 100
250 215.8 79.4 119.2#
141 304.3 36.3 54.5#





#70

Phenanthrene

Concen: 2.11 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.05 min

Lab File: BF082911.D

Acq: 13 Nov 2015 21:54

Instrument :

BNA_F

ClientSampled :

SS-1-0-2IN

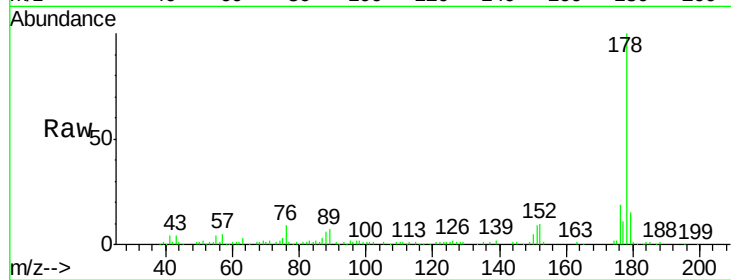
Tgt Ion:178 Resp: 84603

Ion Ratio Lower Upper

178 100

176 19.1 17.0 25.4

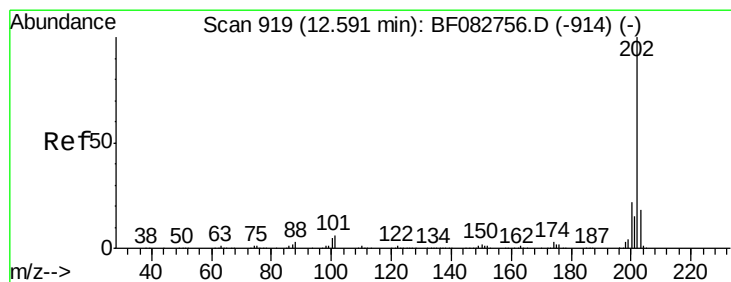
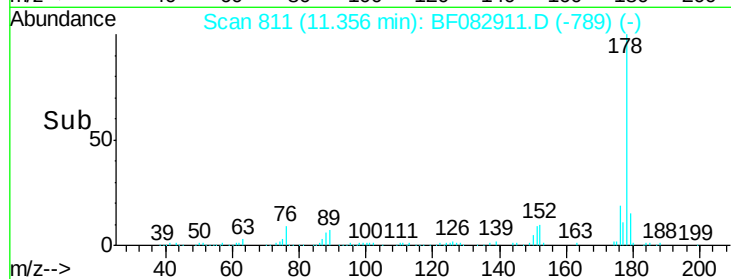
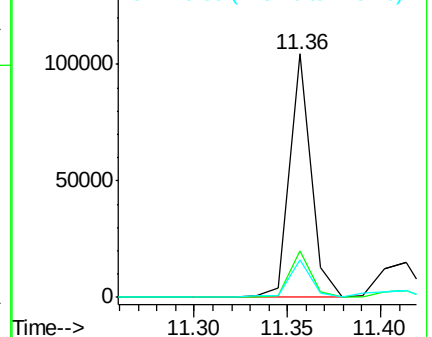
179 15.3 13.4 20.0



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



#74

Fluoranthene

Concen: 2.76 ng

RT: 12.55 min Scan# 915

Delta R.T. -0.05 min

Lab File: BF082911.D

Acq: 13 Nov 2015 21:54

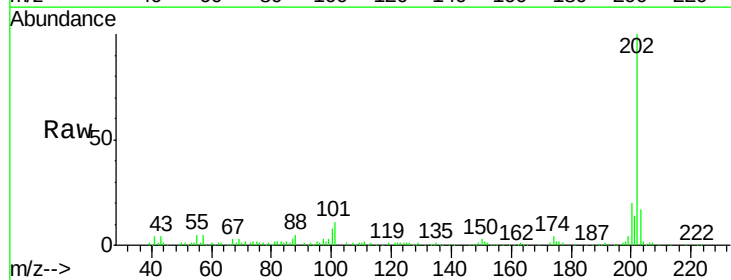
Tgt Ion:202 Resp: 118886

Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.5

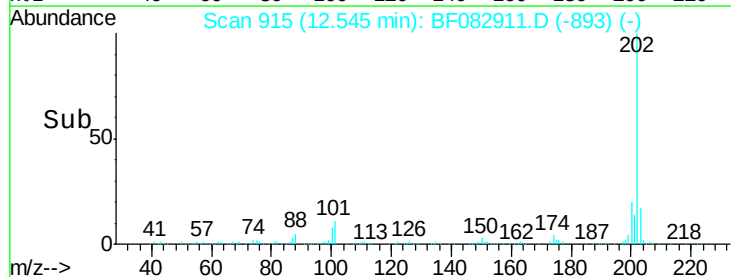
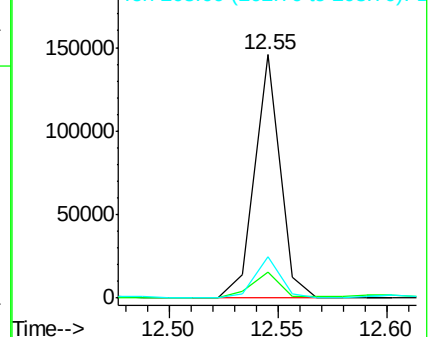
203 17.1 0.0 38.5

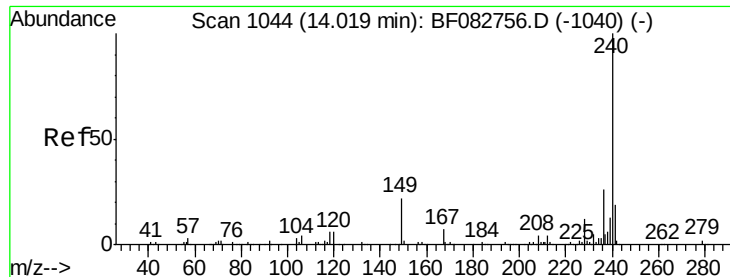


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.97 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF082911.D

Acq: 13 Nov 2015 21:54

Instrument :

BNA_F

ClientSampleId :

SS-1-0-2IN

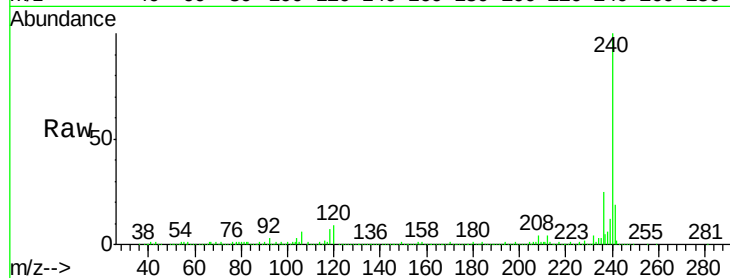
Tgt Ion:240 Resp: 557239

Ion Ratio Lower Upper

240 100

120 8.6 10.9 16.3#

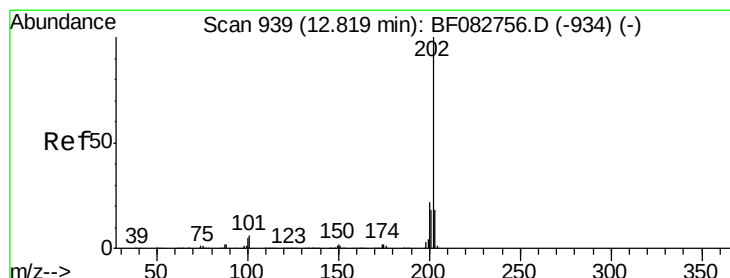
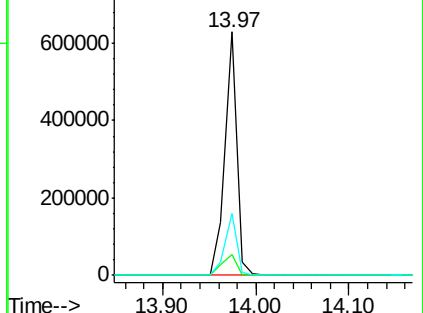
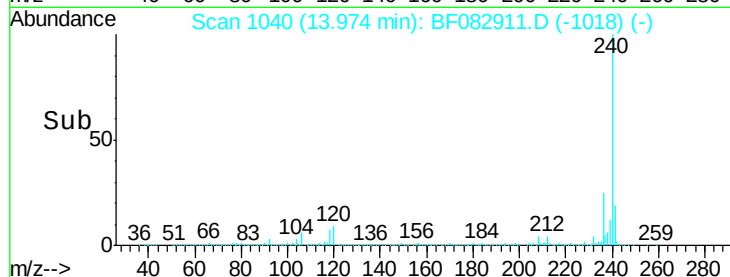
236 25.4 21.6 32.4



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: 2.62 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.03 min

Lab File: BF082911.D

Acq: 13 Nov 2015 21:54

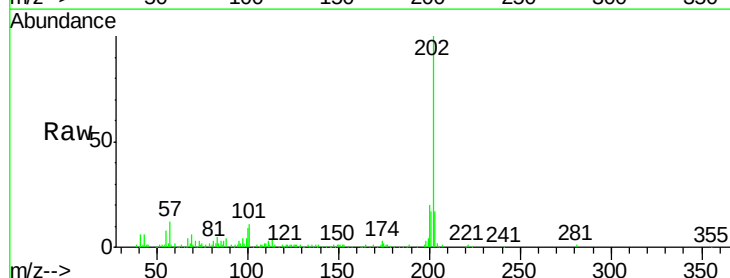
Tgt Ion:202 Resp: 100357

Ion Ratio Lower Upper

202 100

200 19.8 18.7 28.1

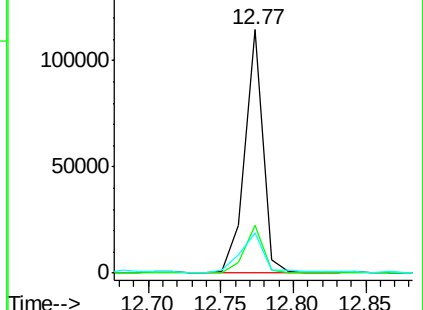
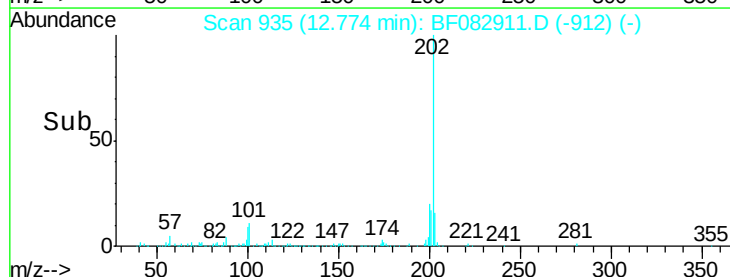
203 16.5 14.8 22.2

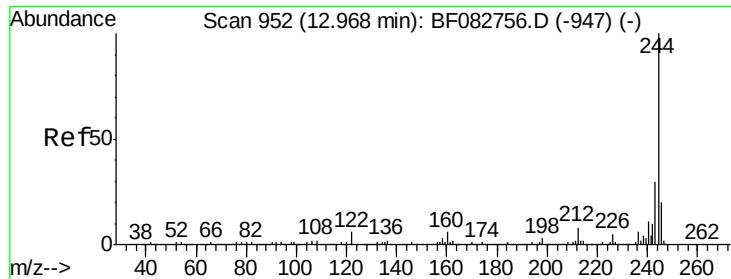


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

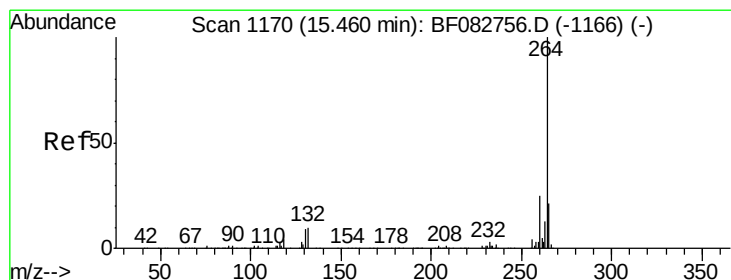
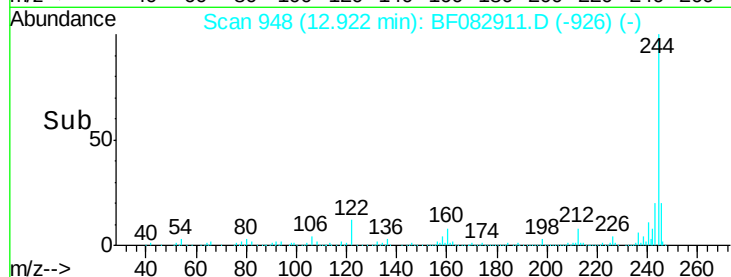
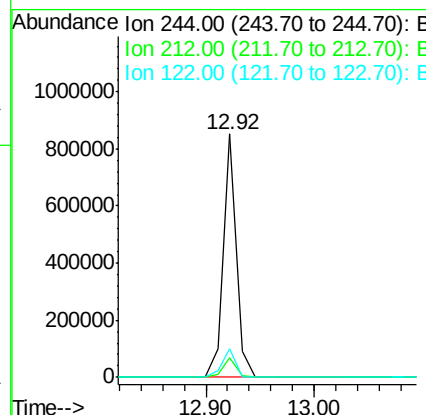
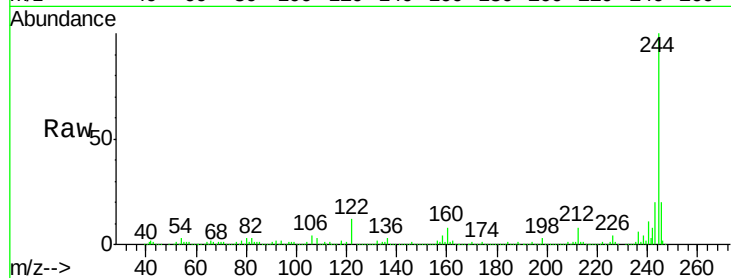




#78
 Terphenyl-d14
 Concen: 30.67 ng
 RT: 12.92 min Scan# 948
 Delta R.T. -0.04 min
 Lab File: BF082911.D
 Acq: 13 Nov 2015 21:54

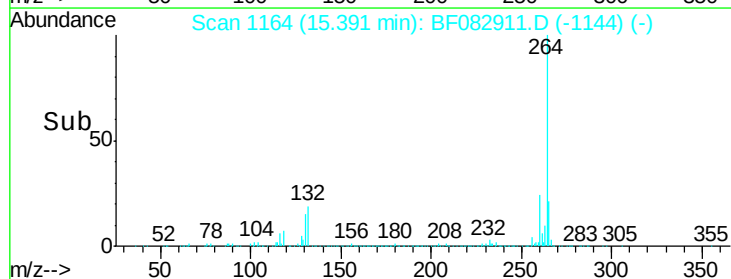
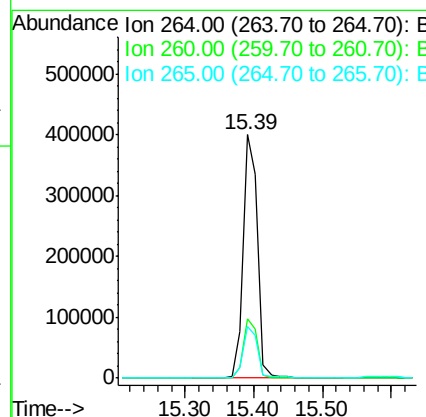
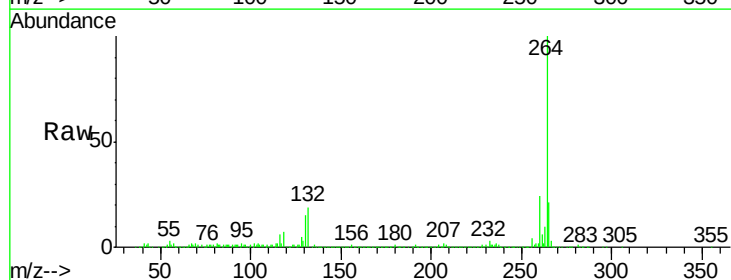
Instrument :
 BNA_F
 ClientSampleId :
 SS-1-0-2IN

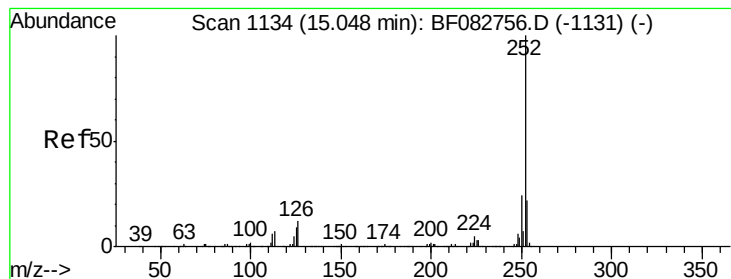
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	7.6	11.4
122	12.0	11.3	16.9



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.39 min Scan# 1164
 Delta R.T. -0.07 min
 Lab File: BF082911.D
 Acq: 13 Nov 2015 21:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.8	29.6
265	21.3	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 2.30 ng

RT: 14.99 min Scan# 1129

Delta R.T. -0.06 min

Lab File: BF082911.D

Acq: 13 Nov 2015 21:54

Instrument :

BNA_F

ClientSampleId :

SS-1-0-2IN

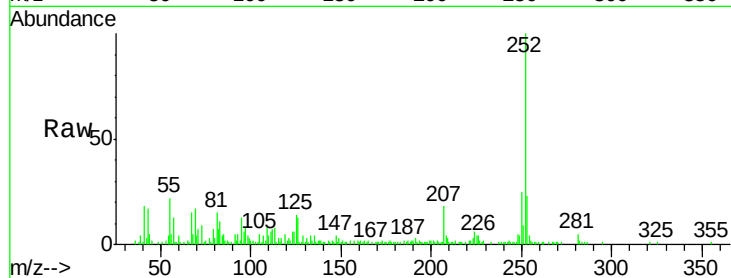
Tgt Ion:252 Resp: 86381

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

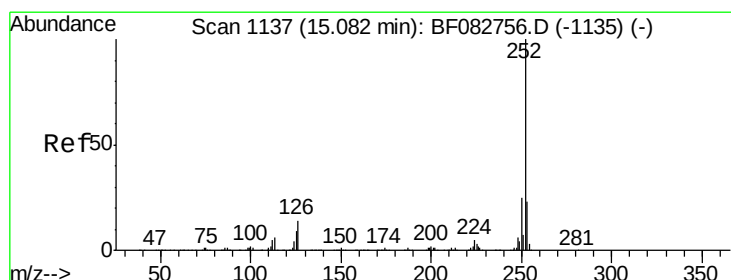
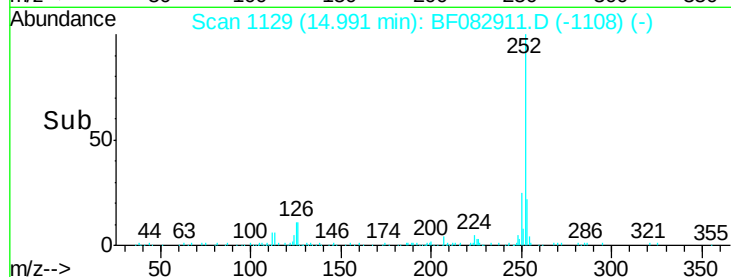
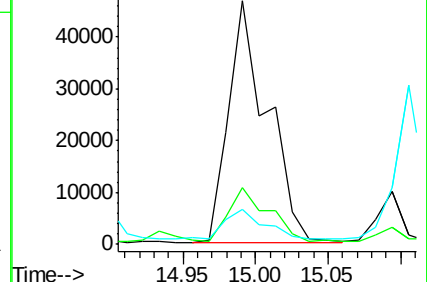
125 14.2 5.4 8.2#



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



#88

Benzo(k)fluoranthene

Concen: 2.59 ng

RT: 14.99 min Scan# 1129

Delta R.T. -0.09 min

Lab File: BF082911.D

Acq: 13 Nov 2015 21:54

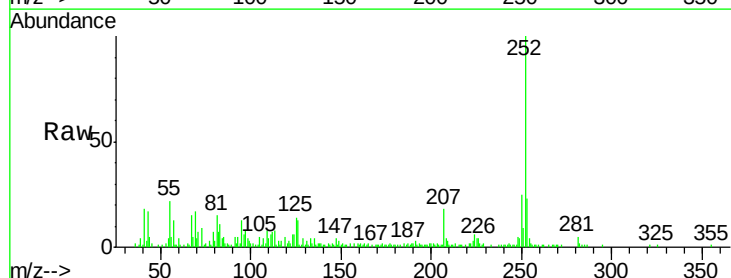
Tgt Ion:252 Resp: 86273

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

125 14.2 3.5 5.3#



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

