

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110915\
 Data File : BF082854.D
 Acq On : 10 Nov 2015 5:14
 Operator : UM/IZ
 Sample : G4306-17
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E1-2

Quant Time: Nov 10 05:40:57 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	6.83	152	263766	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	927300	20.00	ng	-0.03
38) Acenaphthene-d10	9.87	164	503132	20.00	ng	-0.02
63) Phenanthrene-d10	11.34	188	859784	20.00	ng	-0.03
75) Chrysene-d12	13.99	240	798934	20.00	ng	-0.03
86) Perylene-d12	15.40	264	614627	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	2169692	127.99	ng	0.00
7) Phenol-d6	6.48	99	3042217	134.99	ng	0.00
23) Nitrobenzene-d5	7.39	82	1802518	84.58	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	668207	115.83	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	2499390	71.20	ng	-0.02
78) Terphenyl-d14	12.94	244	2593503	76.99	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.60	77	56731	4.56	ng	Qvalue 87
19) n-Nitroso-di-n-propylamine	7.39	70	244423	14.75	ng	# 69
25) Isophorone	7.39	82	1766013	44.79	ng	# 69
49) Dimethylphthalate	9.58	163	675176	16.38	ng	99
56) 2,4-Dinitrotoluene	9.87	165	66069	5.54	ng	# 15
66) 4-Bromophenyl-phenylether	10.66	248	48625	4.70	ng	# 1
74) Fluoranthene	12.56	202	138630	2.59	ng	96
77) Pyrene	12.78	202	119957	2.19	ng	95
87) Benzo(b)fluoranthene	15.00	252	80638	2.04	ng	# 96
88) Benzo(k)fluoranthene	15.00	252	80638	2.30	ng	# 96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF082854.D

Acq: 10 Nov 2015 5:14

Instrument :

BNA_F

ClientSampleId :

E1-2

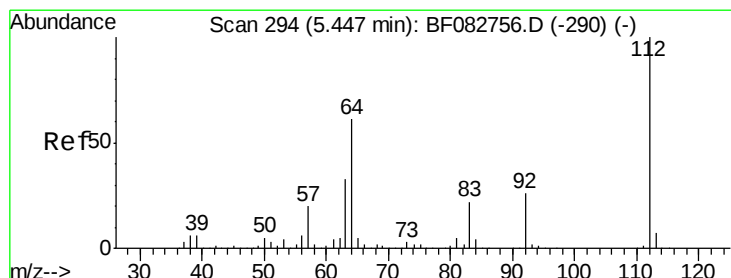
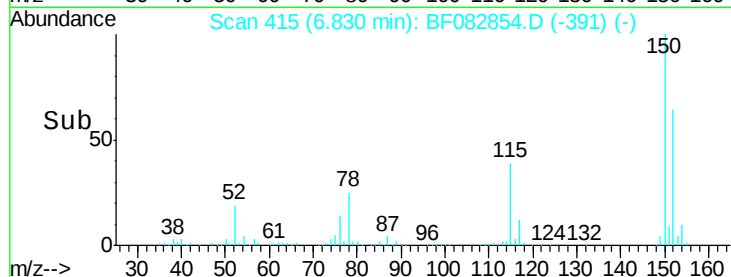
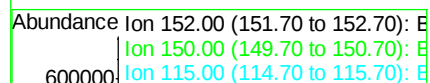
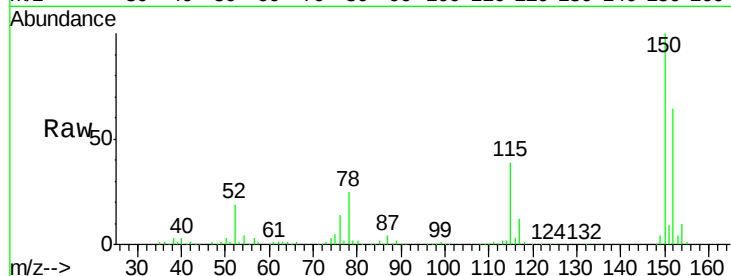
Tot Ion:152 Resp: 263766

Ion Ratio Lower Upper

152 100

150 155.1 127.0 190.4

115 59.7 47.0 70.6



#5

2-Fluorophenol

Concen: 127.99 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.00 min

Lab File: BF082854.D

Acq: 10 Nov 2015 5:14

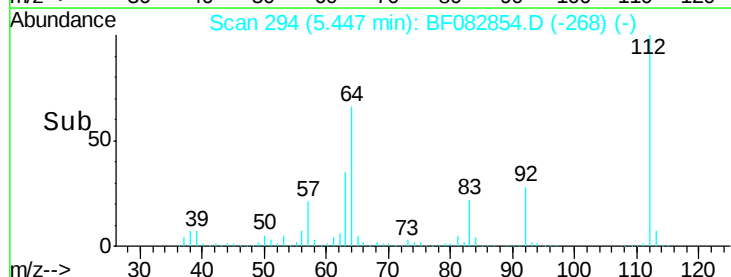
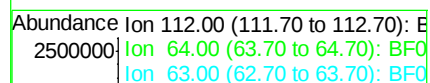
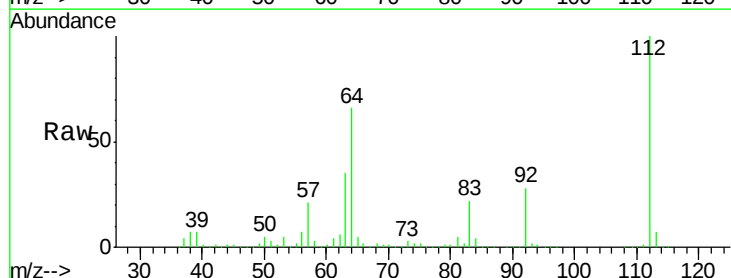
Tgt Ion:112 Resp: 2169692

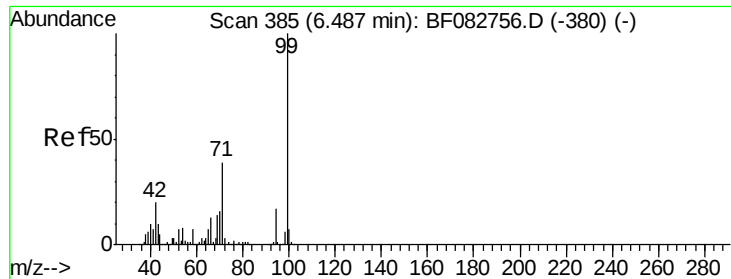
Ion Ratio Lower Upper

112 100

64 65.7 48.9 73.3

63 35.1 28.1 42.1





#7

Phenol-d6

Concen: 134.99 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.00 min

Lab File: BF082854.D

Acq: 10 Nov 2015 5:14

Instrument :

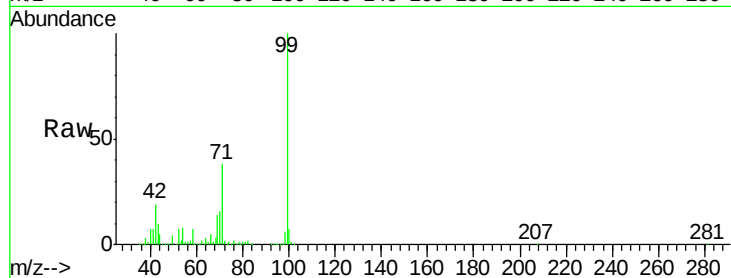
BNA_F

ClientSampled :

E1-2

Tot Ion: 99 Resp: 3042217

Ion	Ratio	Lower	Upper
99	100		
42	19.4	19.2	28.8
71	37.8	35.0	52.4

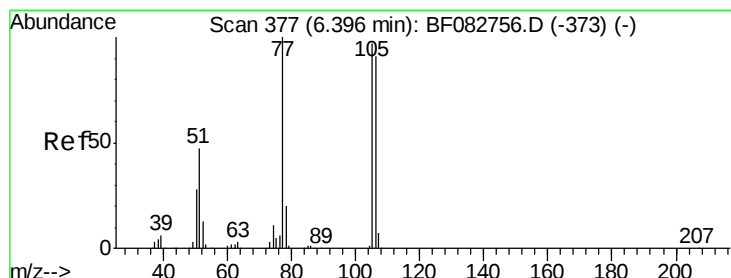
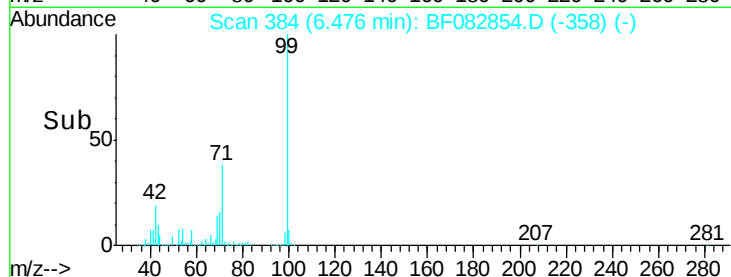


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

Time-->



#9

Benzaldehyde

Concen: 4.56 ng

RT: 6.60 min Scan# 395

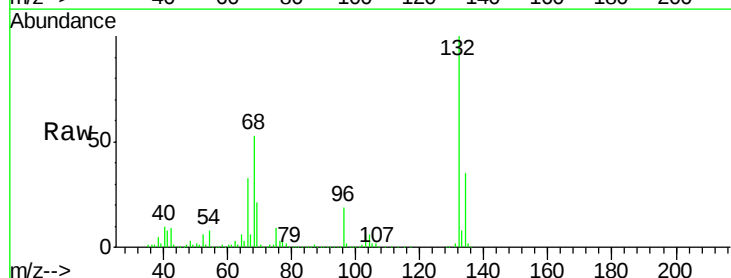
Delta R.T. 0.21 min

Lab File: BF082854.D

Acq: 10 Nov 2015 5:14

Tgt Ion: 77 Resp: 56731

Ion	Ratio	Lower	Upper
77	100		
105	75.4	63.5	103.5
106	64.0	59.3	99.3

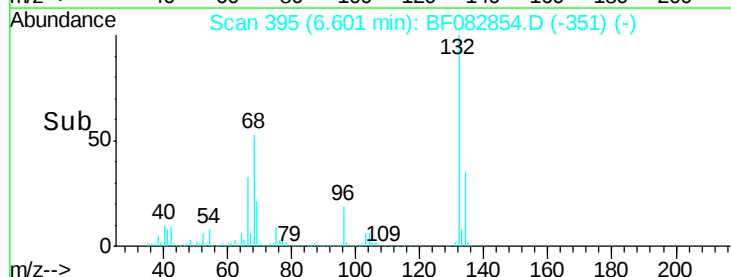


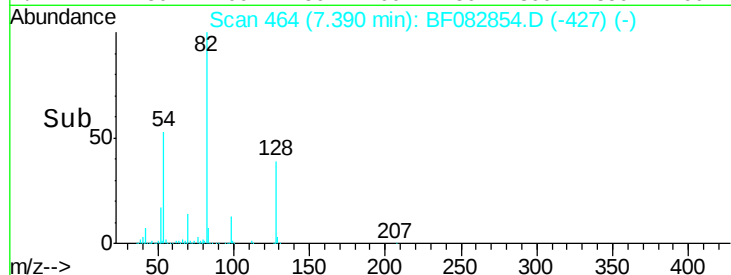
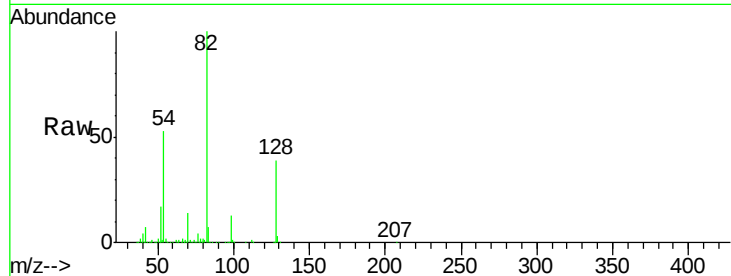
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

Time-->

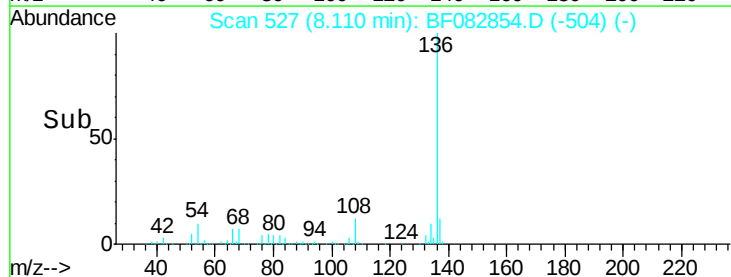
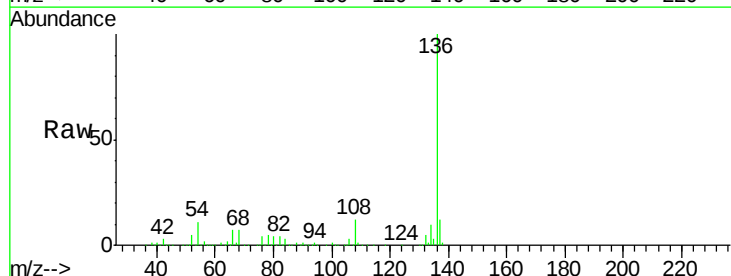
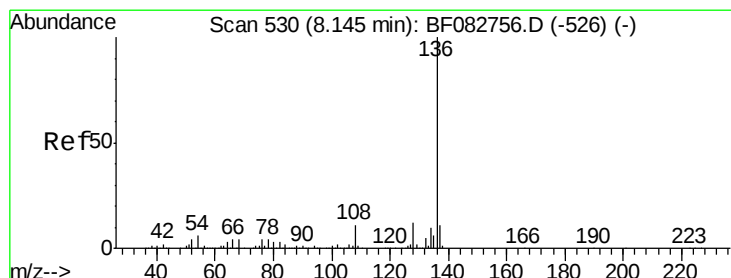
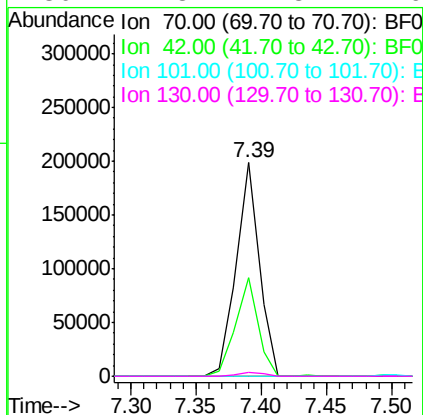




#19
n-Nitroso-di-n-propylamine
Concen: 14.75 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.13 min
Lab File: BF082854.D
Acq: 10 Nov 2015 5:14

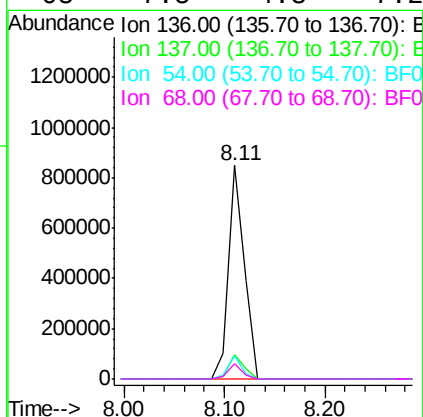
Instrument :
BNA_F
ClientSampleId :
E1-2

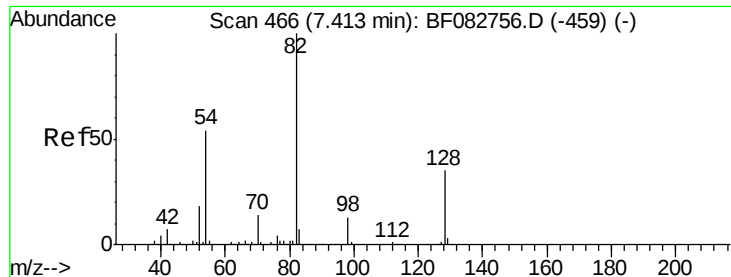
Tot Ion: 70 Resp: 244423
Ion Ratio Lower Upper
70 100
42 46.0 57.7 86.5#
101 0.0 7.0 10.6#
130 1.8 11.8 17.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.03 min
Lab File: BF082854.D
Acq: 10 Nov 2015 5:14

Tgt Ion: 136 Resp: 927300
Ion Ratio Lower Upper
136 100
137 11.7 9.1 13.7
54 10.7 9.1 13.7
68 7.5 4.8 7.2#

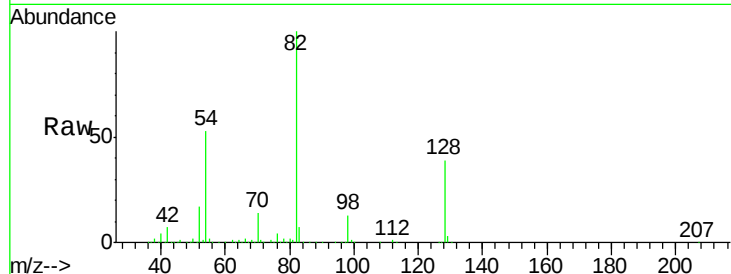




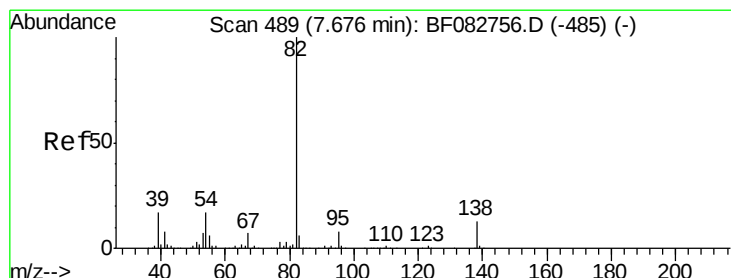
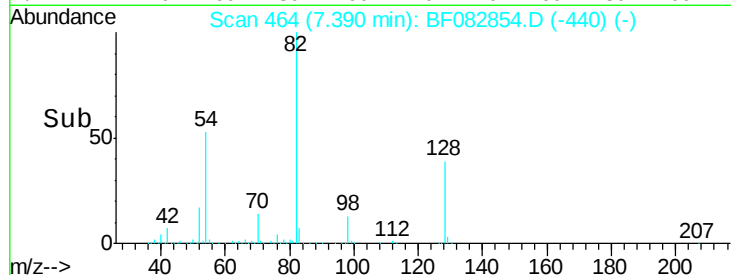
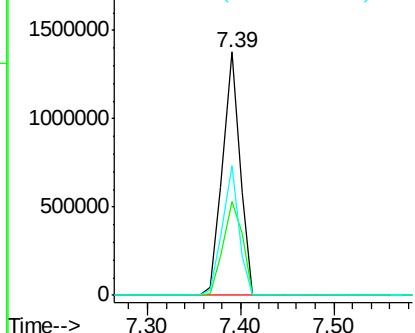
#23
 Nitrobenzene-d5
 Concen: 84.58 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.02 min
 Lab File: BF082854.D
 Acq: 10 Nov 2015 5:14

Instrument :
 BNA_F
 ClientSampleId :
 E1-2

Tot Ion: 82 Resp: 1802518
 Ion Ratio Lower Upper
 82 100
 128 38.6 26.8 40.2
 54 53.1 45.7 68.5

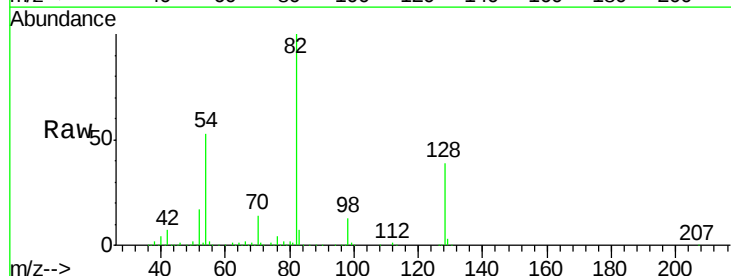


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

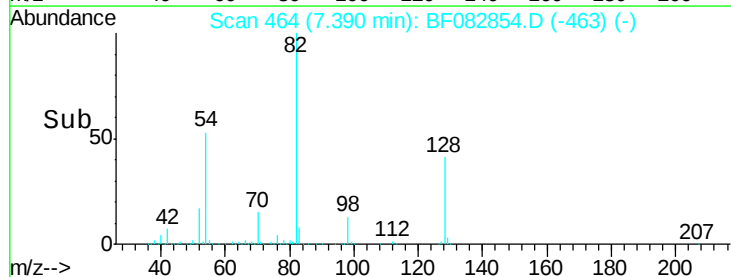
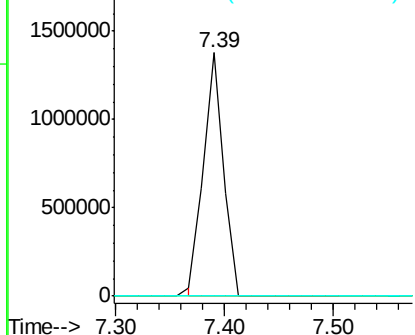


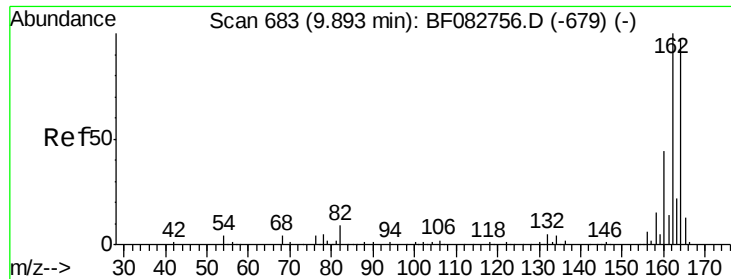
#25
 Isophorone
 Concen: 44.79 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.29 min
 Lab File: BF082854.D
 Acq: 10 Nov 2015 5:14

Tgt Ion: 82 Resp: 1766013
 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): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF082854.D

Acq: 10 Nov 2015 5:14

Instrument :

BNA_F

ClientSampleId :

E1-2

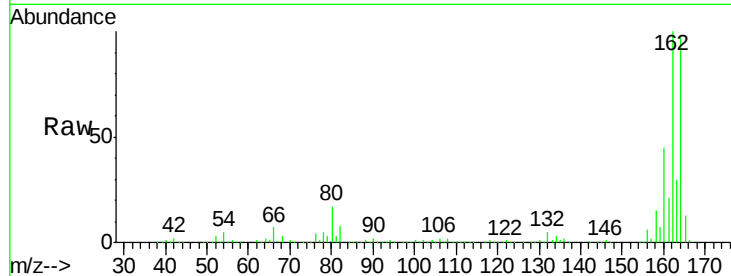
Tot Ion:164 Resp: 503132

Ion Ratio Lower Upper

164 100

162 102.8 84.9 127.3

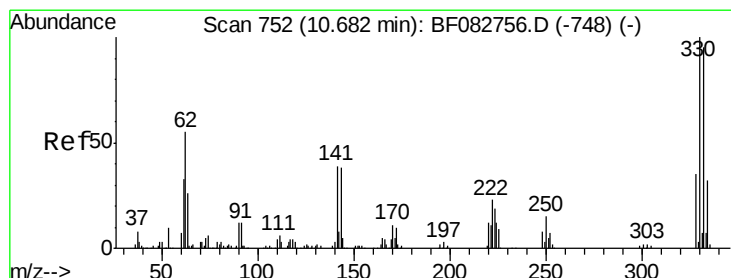
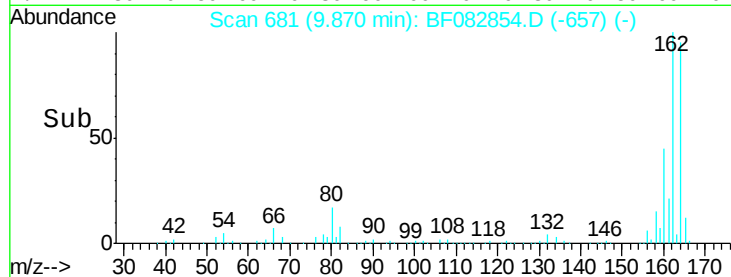
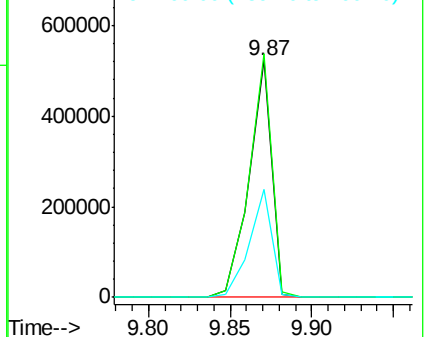
160 45.8 37.5 56.3



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: 115.83 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF082854.D

Acq: 10 Nov 2015 5:14

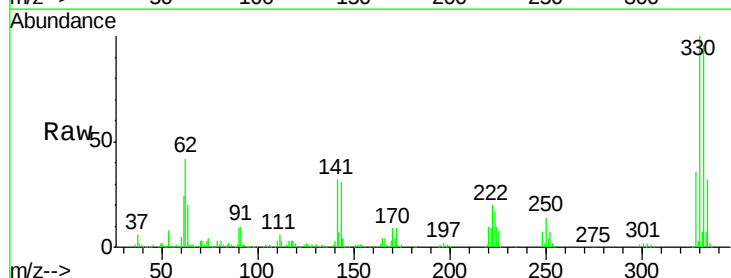
Tgt Ion:330 Resp: 668207

Ion Ratio Lower Upper

330 100

332 94.8 76.6 114.8

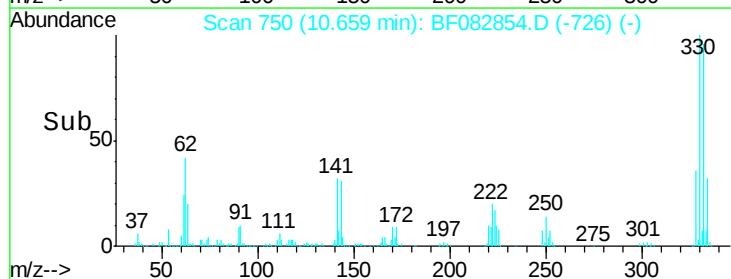
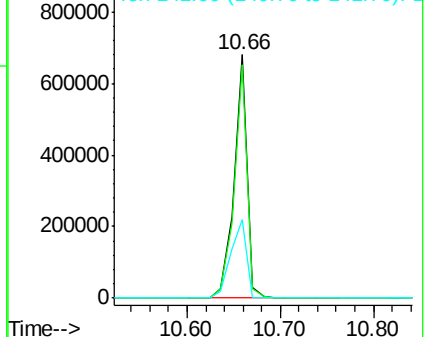
141 39.7 41.2 61.8#

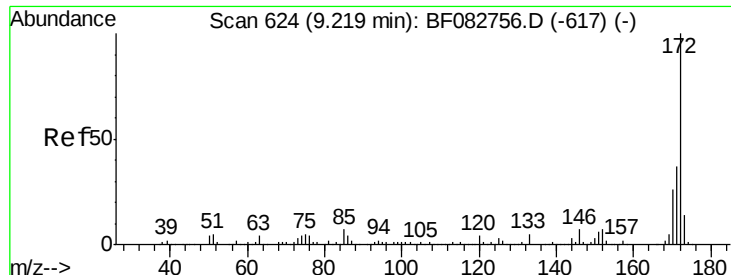


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 71.20 ng

RT: 9.20 min Scan# 622

Delta R.T. -0.02 min

Lab File: BF082854.D

Acq: 10 Nov 2015 5:14

Instrument :

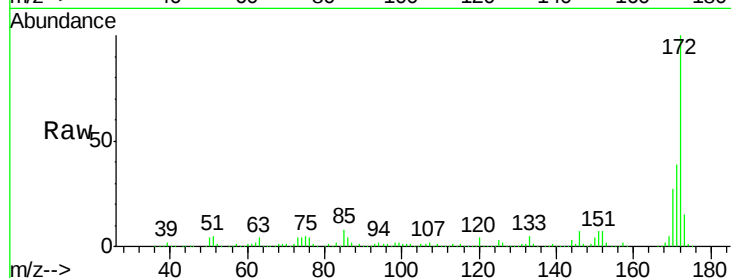
BNA_F

ClientSampleId :

E1-2

Tot Ion:172 Resp: 2499390

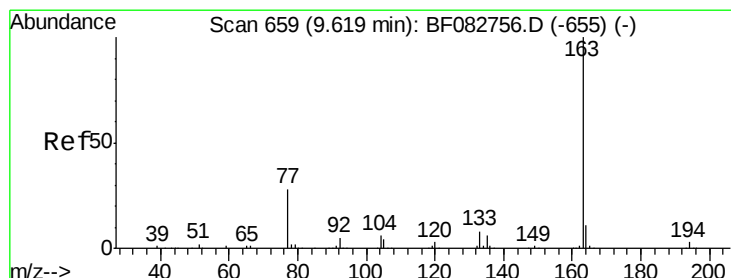
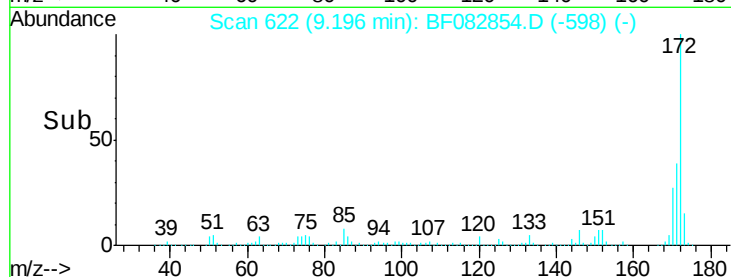
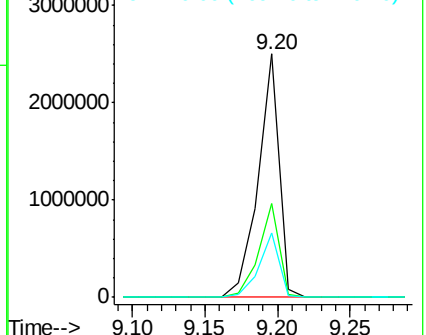
Ion	Ratio	Lower	Upper
172	100		
171	38.7	30.8	46.2
170	26.7	21.2	31.8



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: 16.38 ng

RT: 9.58 min Scan# 656

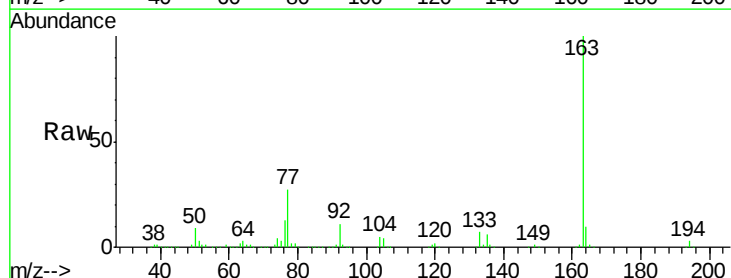
Delta R.T. -0.03 min

Lab File: BF082854.D

Acq: 10 Nov 2015 5:14

Tgt Ion:163 Resp: 675176

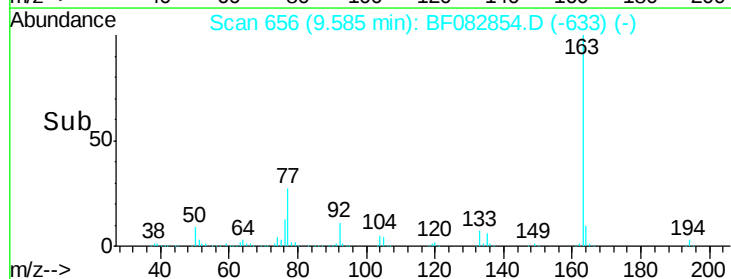
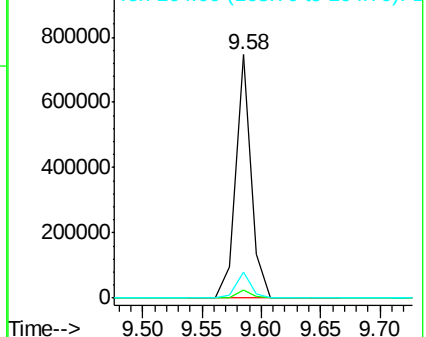
Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	10.5	8.7	13.1

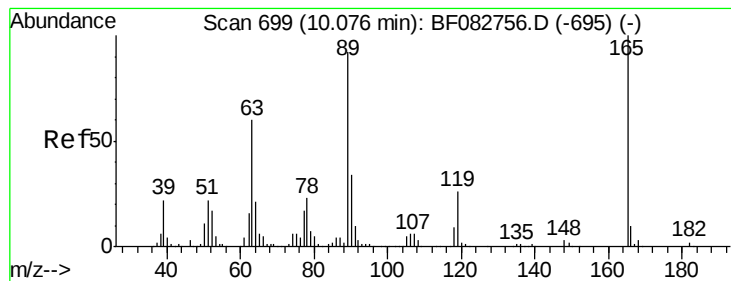


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 5.54 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.21 min

Lab File: BF082854.D

Acq: 10 Nov 2015 5:14

Instrument :

BNA_F

ClientSampleId :

E1-2

Tot Ion:165 Resp: 66069

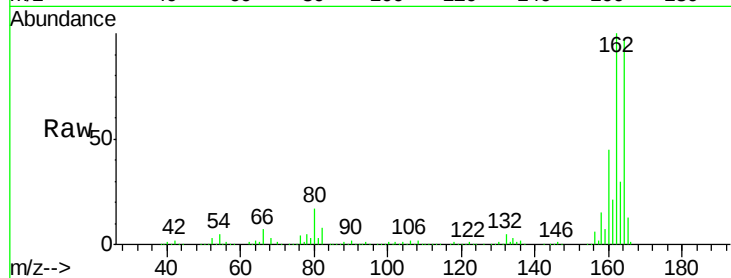
Ion Ratio Lower Upper

165 100

63 1.2 43.4 65.0#

89 1.8 70.6 106.0#

182 0.0 1.5 2.3#

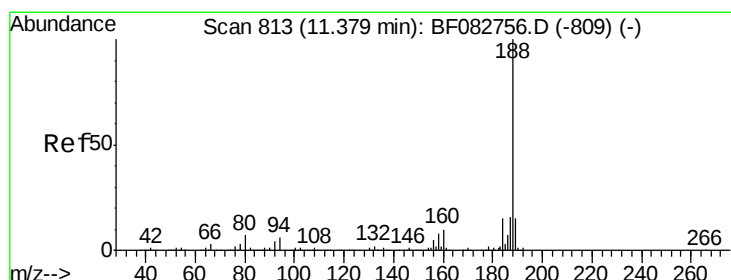
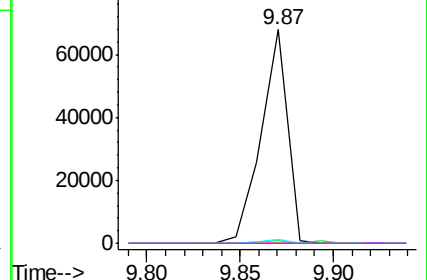
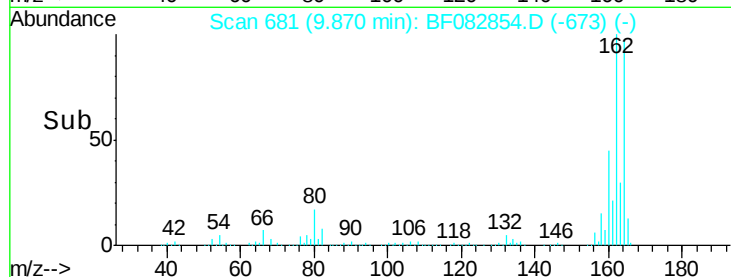


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.34 min Scan# 810

Delta R.T. -0.03 min

Lab File: BF082854.D

Acq: 10 Nov 2015 5:14

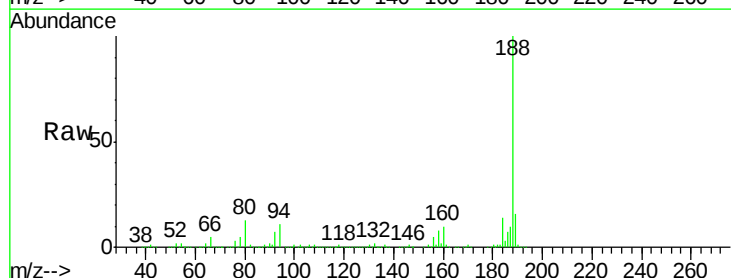
Tgt Ion:188 Resp: 859784

Ion Ratio Lower Upper

188 100

94 11.3 6.1 9.1#

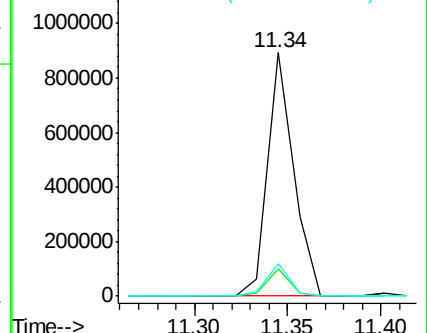
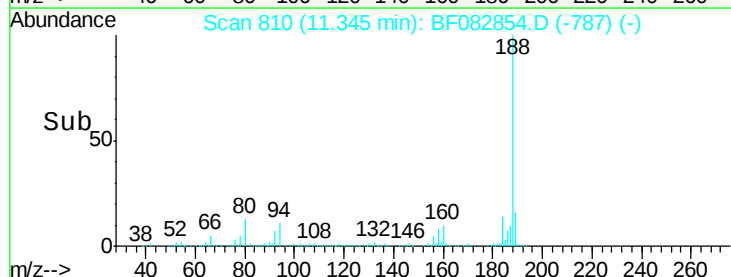
80 13.2 7.0 10.6#

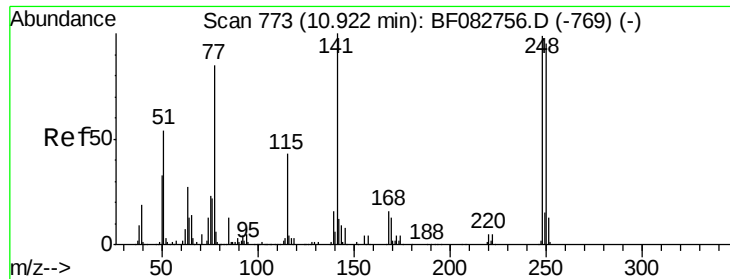


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

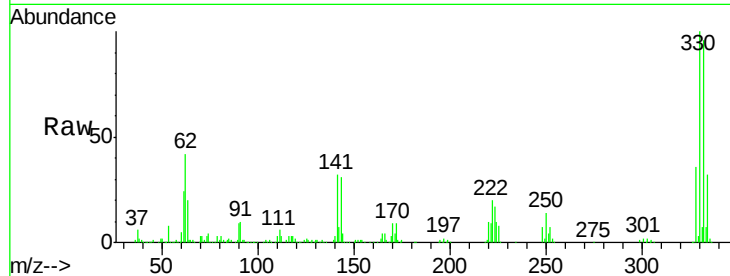




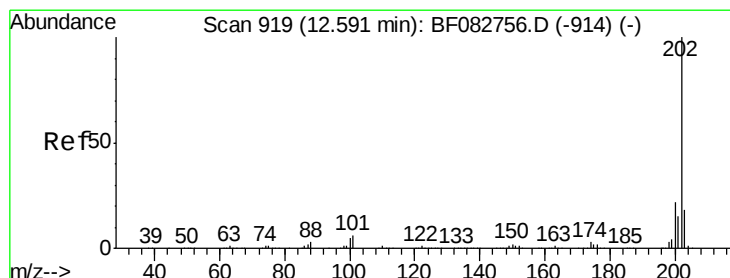
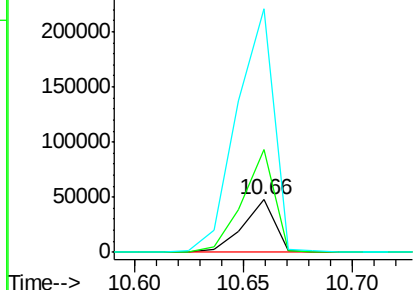
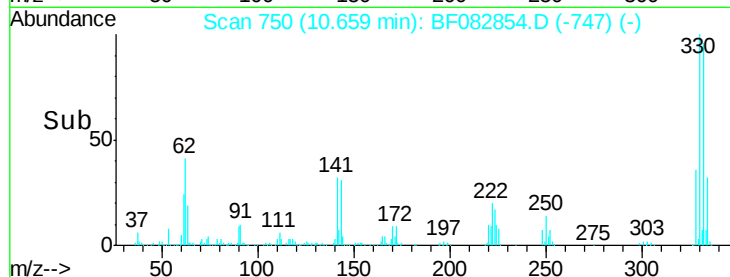
#66
4-Bromophenyl-phenylether
Concen: 4.70 ng
RT: 10.66 min Scan# 750
Delta R.T. -0.26 min
Lab File: BF082854.D
Acq: 10 Nov 2015 5:14

Instrument :
BNA_F
ClientSampleId :
E1-2

Tot Ion:248 Resp: 48625
Ion Ratio Lower Upper
248 100
250 196.4 79.4 119.2#
141 462.4 36.3 54.5#

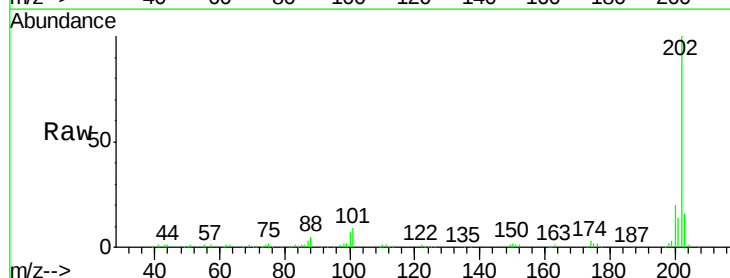


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

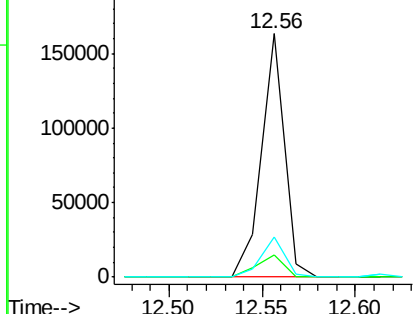
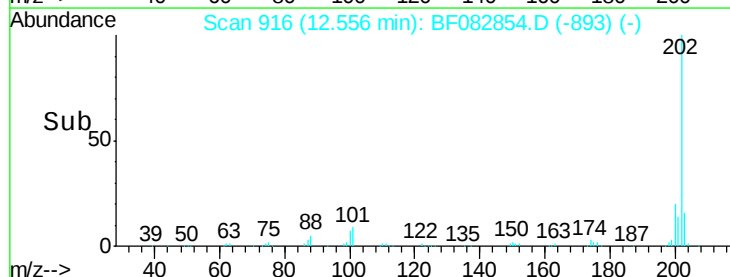


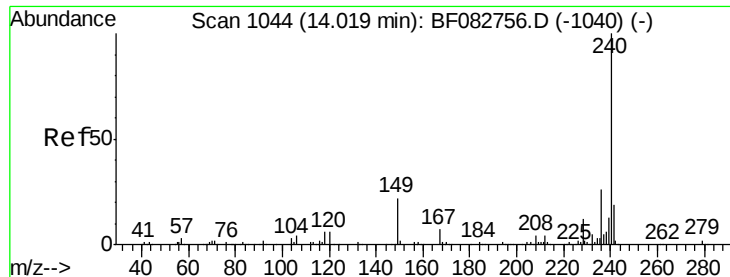
#74
Fluoranthene
Concen: 2.59 ng
RT: 12.56 min Scan# 916
Delta R.T. -0.03 min
Lab File: BF082854.D
Acq: 10 Nov 2015 5:14

Tgt Ion:202 Resp: 138630
Ion Ratio Lower Upper
202 100
101 9.3 0.0 30.5
203 16.3 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: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF082854.D

Acq: 10 Nov 2015 5:14

Instrument :

BNA_F

ClientSampleId :

E1-2

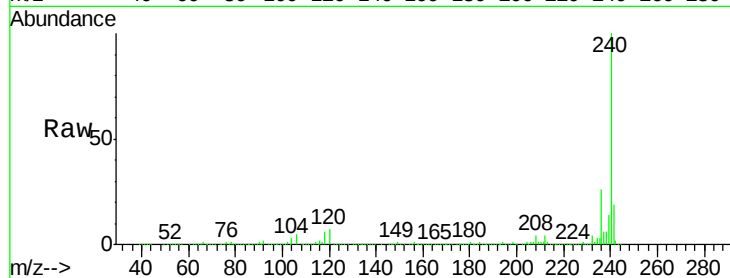
Tot Ion:240 Resp: 798934

Ion Ratio Lower Upper

240 100

120 6.7 10.9 16.3#

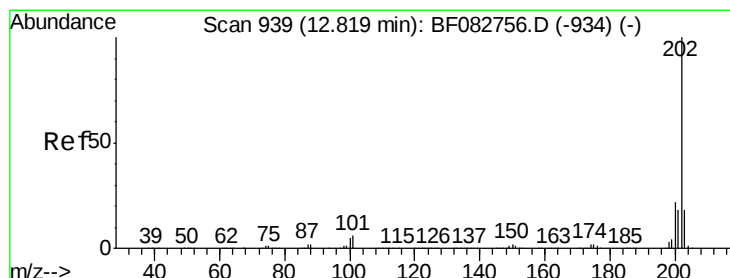
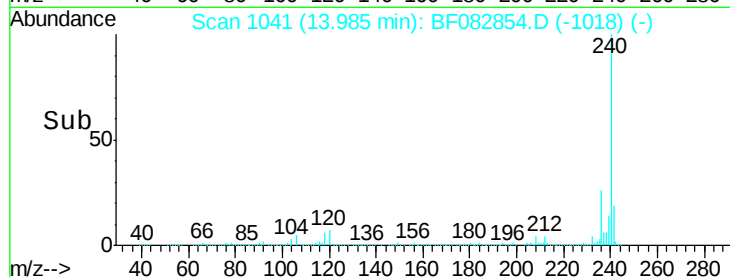
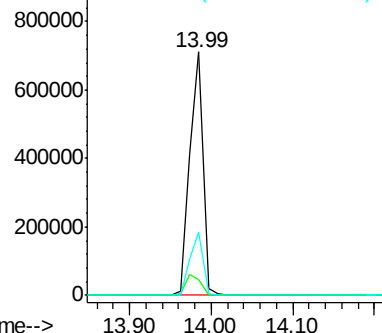
236 25.8 21.6 32.4



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: 2.19 ng

RT: 12.78 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF082854.D

Acq: 10 Nov 2015 5:14

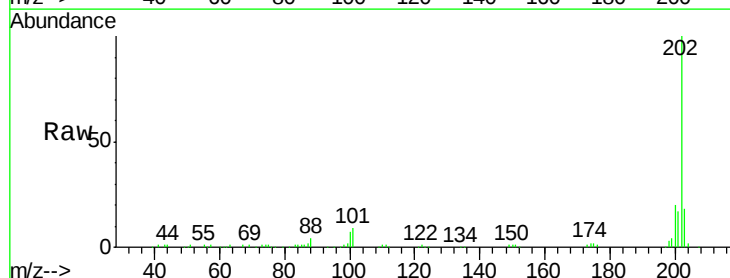
Tgt Ion:202 Resp: 119957

Ion Ratio Lower Upper

202 100

200 19.6 18.7 28.1

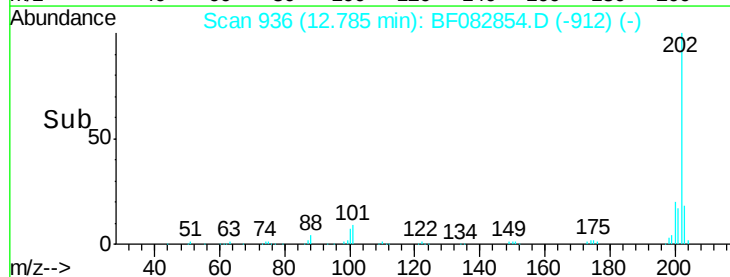
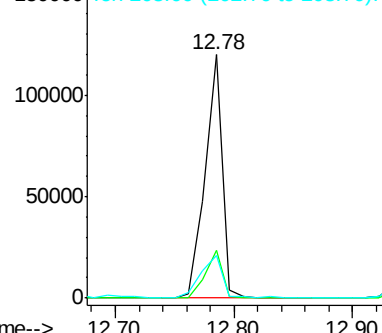
203 17.7 14.8 22.2

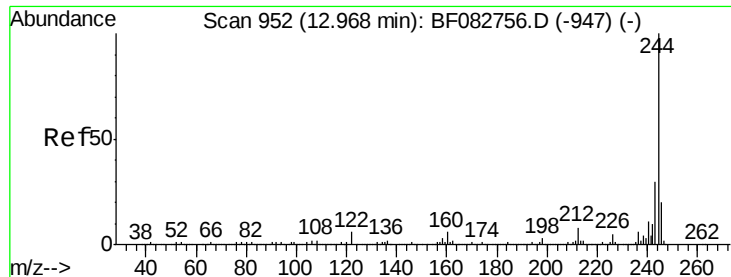


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



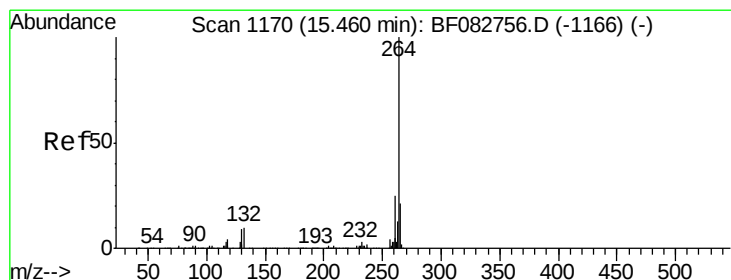
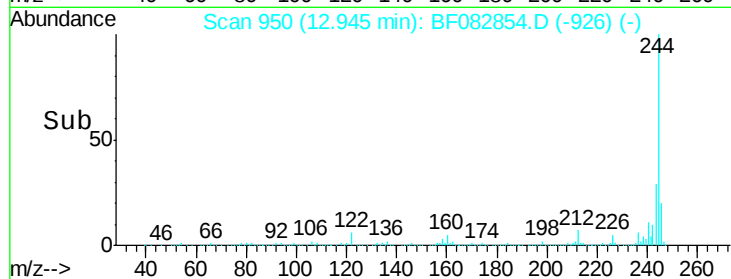
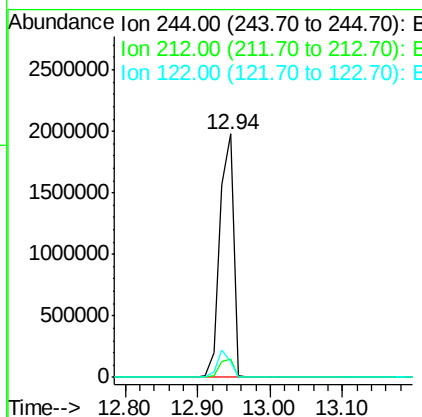
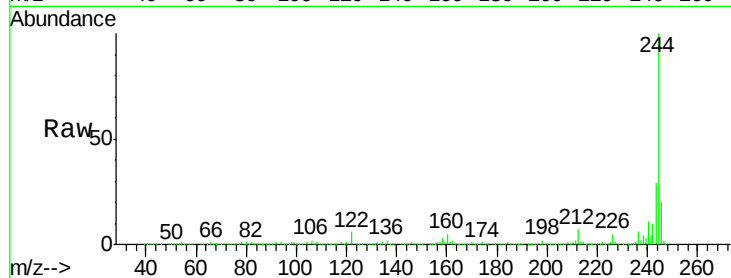


#78
 Terphenyl-d14
 Concen: 76.99 ng
 RT: 12.94 min Scan# 950
 Delta R.T. -0.02 min
 Lab File: BF082854.D
 Acq: 10 Nov 2015 5:14

Instrument :
 BNA_F
 ClientSampleId :
 E1-2

Tot Ion:244 Resp: 2593503

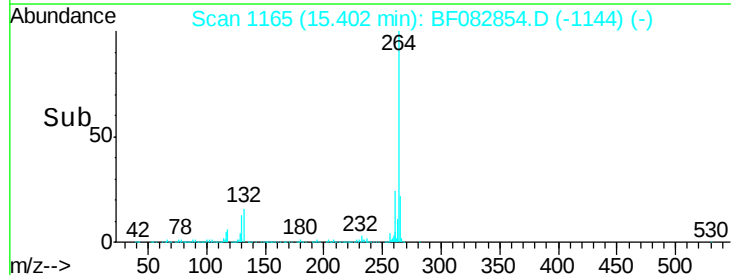
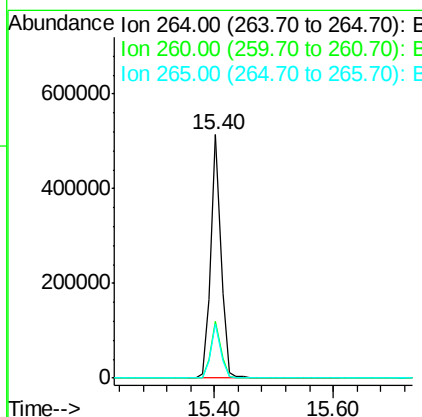
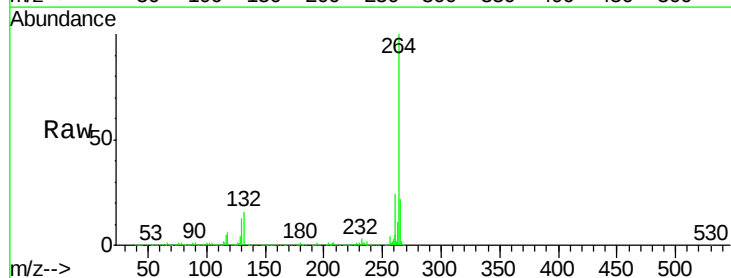
Ion	Ratio	Lower	Upper
244	100		
212	7.5	7.6	11.4#
122	6.2	11.3	16.9#

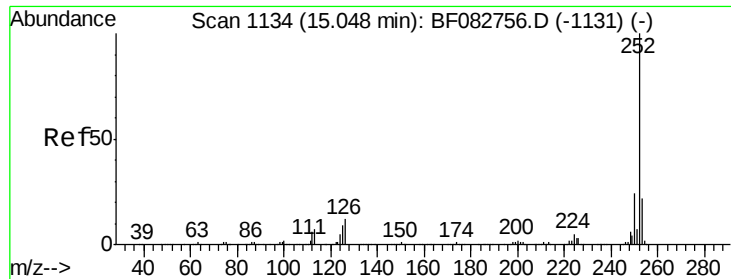


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1165
 Delta R.T. -0.06 min
 Lab File: BF082854.D
 Acq: 10 Nov 2015 5:14

Tgt Ion:264 Resp: 614627

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.8	29.6
265	22.3	17.4	26.0

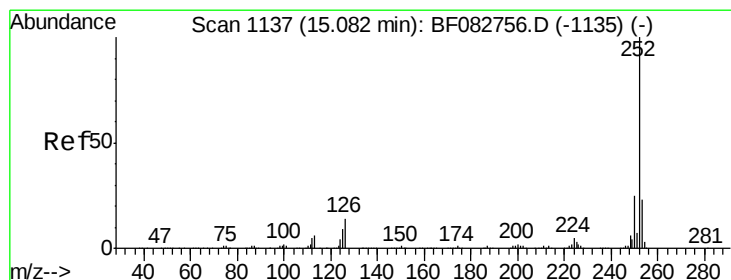
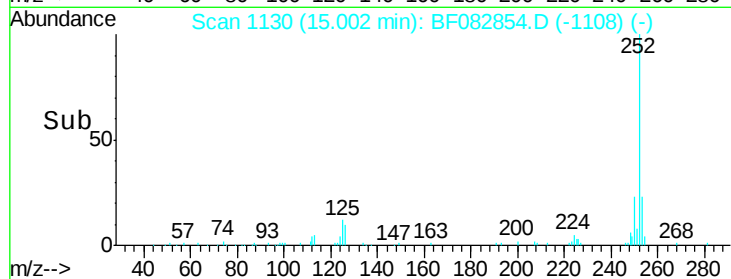
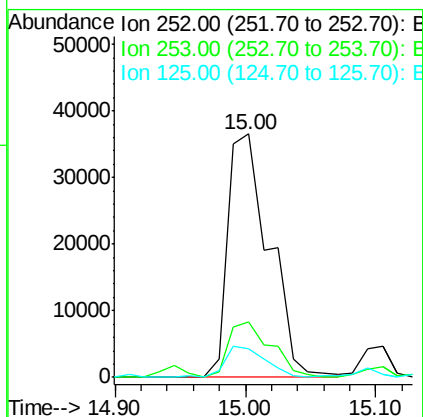
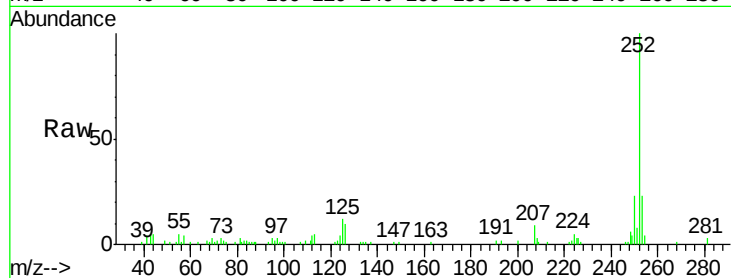




#87
Benzo(b)fluoranthene
Concen: 2.04 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.05 min
Lab File: BF082854.D
Acq: 10 Nov 2015 5:14

Instrument :
BNA_F
ClientSampled :
E1-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	11.8	5.4	8.2



#88
Benzo(k)fluoranthene
Concen: 2.30 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.08 min
Lab File: BF082854.D
Acq: 10 Nov 2015 5:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	11.8	3.5	5.3

