

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110615\
 Data File : BF082734.D
 Acq On : 5 Nov 2015 17:33
 Operator : UM/IZ
 Sample : G4284-01 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AVE-E-RA15.1-1

Quant Time: Nov 06 01:15:44 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 03 12:27:47 2015
 Response via : Initial Calibration

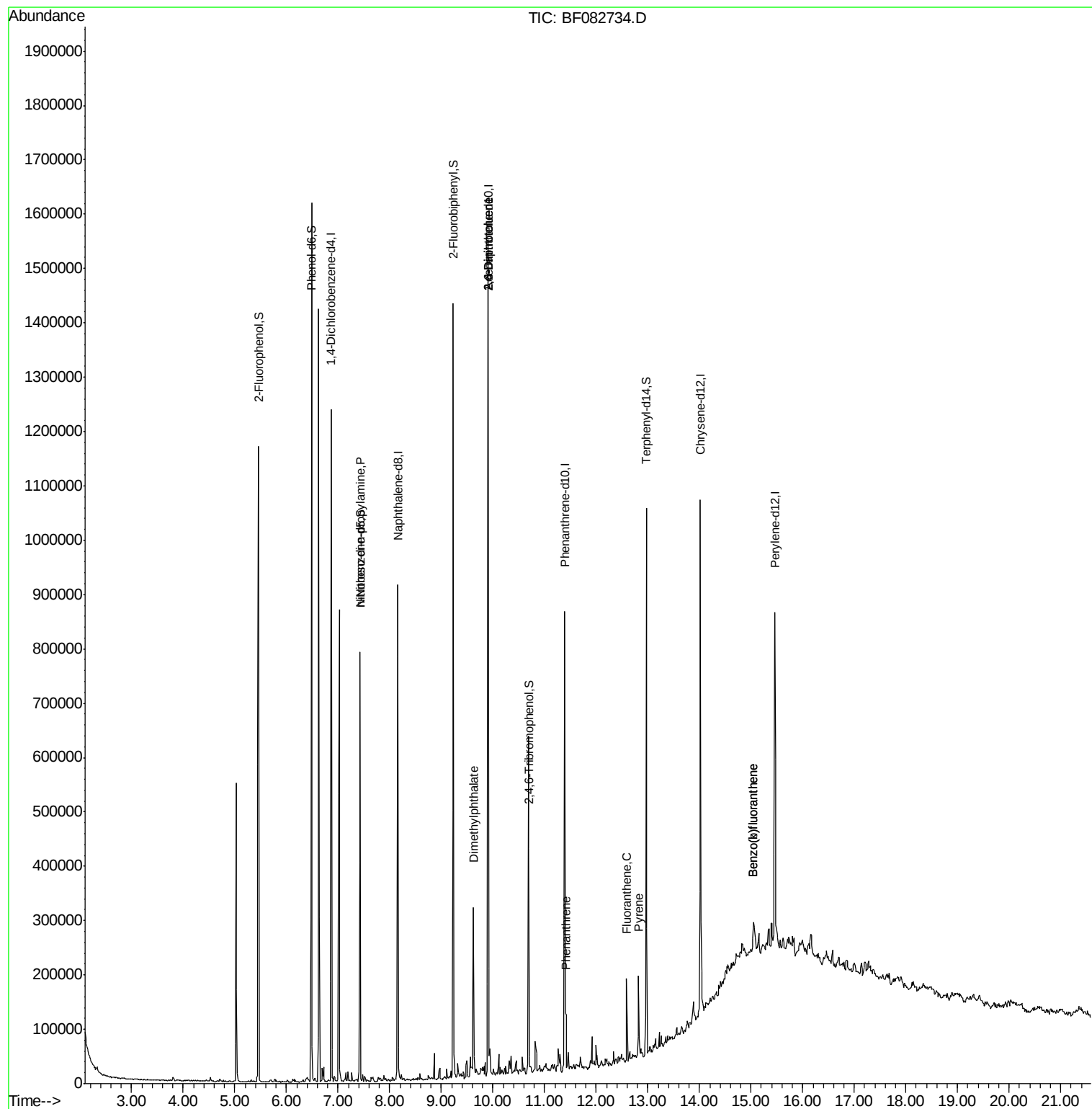
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	160235	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	557019	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	280607	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	443700	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	318398	20.00	ng	-0.03
86) Perylene-d12	15.46	264	314507	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	333006	31.30	ng	-0.01
7) Phenol-d6	6.49	99	459576	32.52	ng	-0.02
23) Nitrobenzene-d5	7.42	82	291767	21.39	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	84390	27.48	ng	-0.02
44) 2-Fluorobiphenyl	9.23	172	469422	23.75	ng	-0.02
78) Terphenyl-d14	12.97	244	288233	19.81	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	38711	3.61	ng	Qvalue # 67
49) Dimethylphthalate	9.62	163	110466	4.82	ng	100
50) 2,6-Dinitrotoluene	9.90	165	38090	8.02	ng	# 17
56) 2,4-Dinitrotoluene	9.90	165	38521	6.00	ng	# 16
70) Phenanthrene	11.41	178	54234	2.17	ng	95
74) Fluoranthene	12.59	202	66775	2.61	ng	99
77) Pyrene	12.82	202	61144	2.59	ng	96
87) Benzo(b)fluoranthene	15.05	252	43610	2.01	ng	# 87
88) Benzo(k)fluoranthene	15.05	252	43610	2.64	ng	# 87

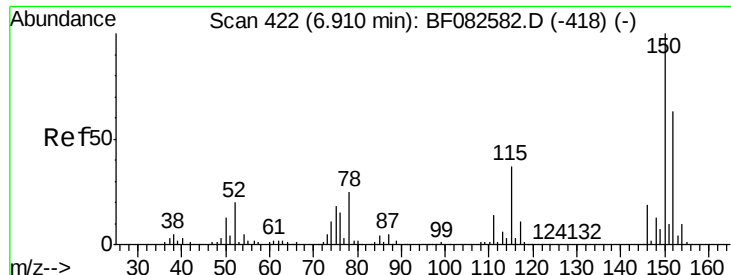
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
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QLast Update : Tue Nov 03 12:27:47 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF082734.D

Acq: 5 Nov 2015 17:33

Instrument :

BNA_F

ClientSampleId :

AVE-E-RA15.1-1

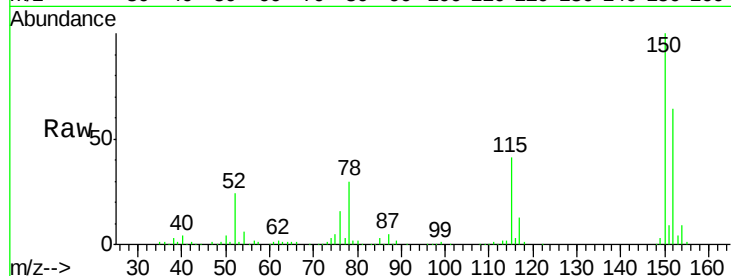
Tgt Ion:152 Resp: 160235

Ion Ratio Lower Upper

152 100

150 156.5 127.0 190.4

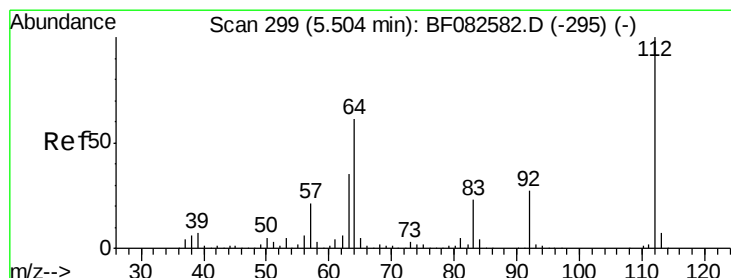
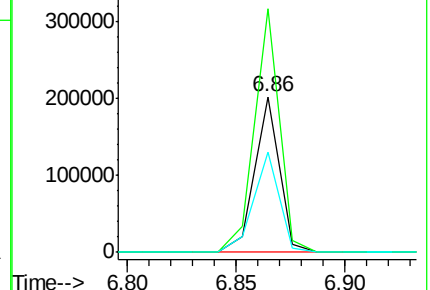
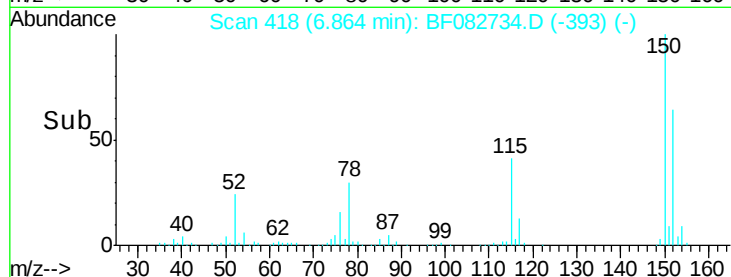
115 64.8 47.0 70.6



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: 31.30 ng

RT: 5.46 min Scan# 295

Delta R.T. -0.01 min

Lab File: BF082734.D

Acq: 5 Nov 2015 17:33

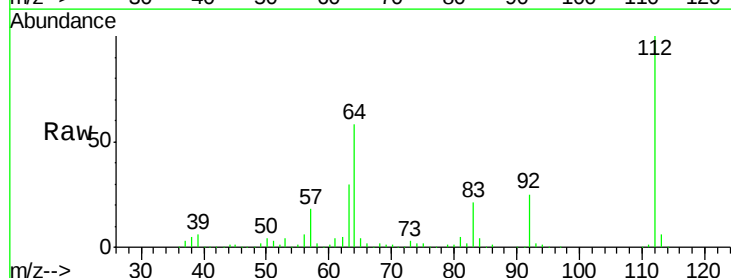
Tgt Ion:112 Resp: 333006

Ion Ratio Lower Upper

112 100

64 57.6 48.9 73.3

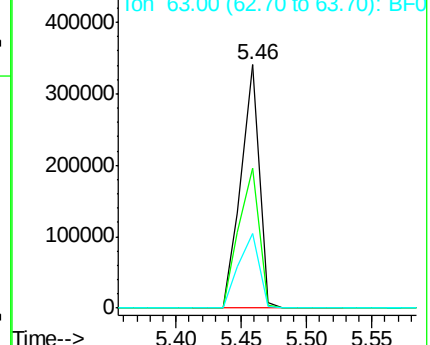
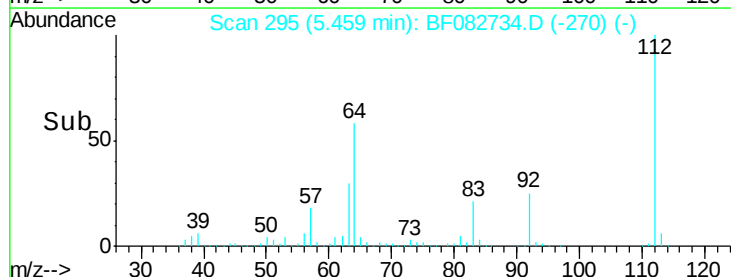
63 30.4 28.1 42.1

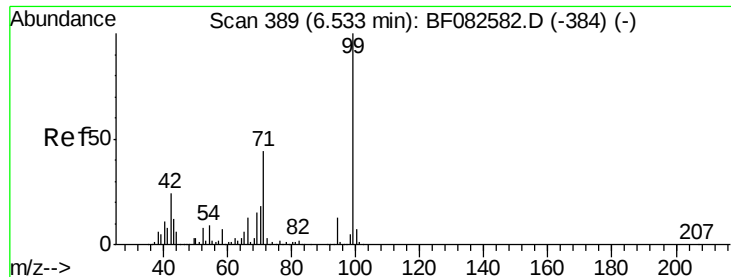


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 32.52 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF082734.D

Acq: 5 Nov 2015 17:33

Instrument :

BNA_F

ClientSampleId :

AVE-E-RA15.1-1

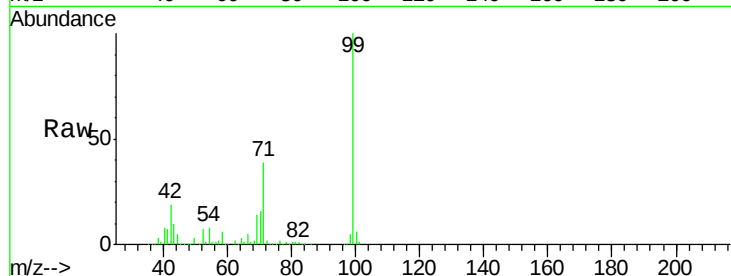
Tgt Ion: 99 Resp: 459576

Ion Ratio Lower Upper

99 100

42 19.3 19.2 28.8

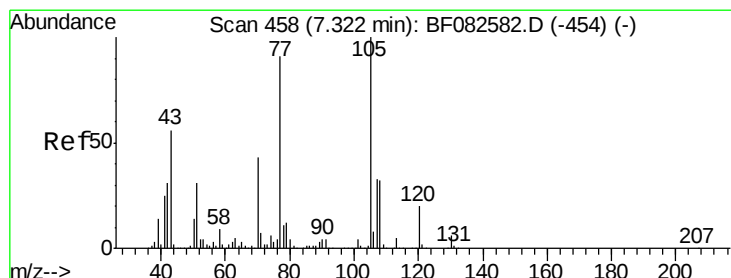
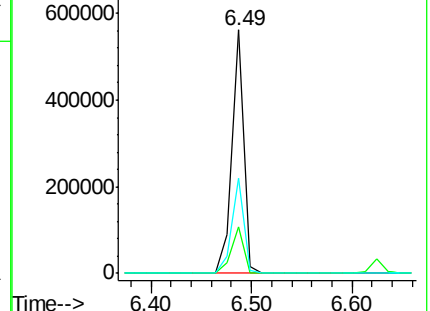
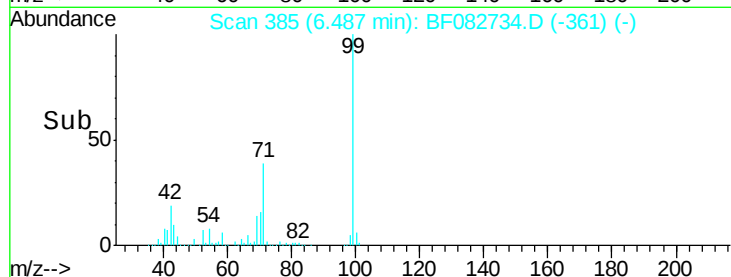
71 39.2 35.0 52.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.61 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.13 min

Lab File: BF082734.D

Acq: 5 Nov 2015 17:33

Tgt Ion: 70 Resp: 38711

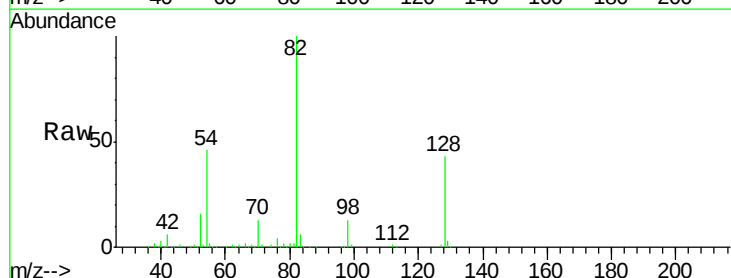
Ion Ratio Lower Upper

70 100

42 43.6 57.7 86.5#

101 0.0 7.0 10.6#

130 1.4 11.8 17.6#

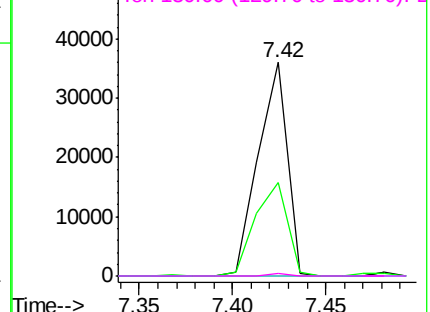
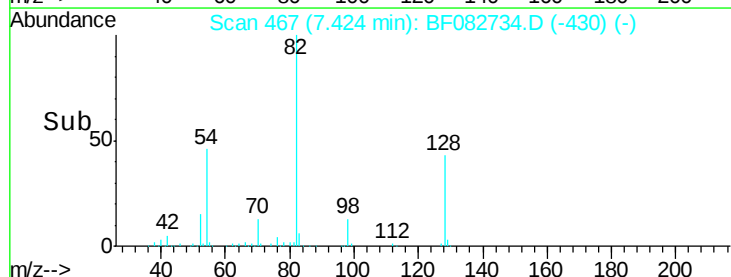


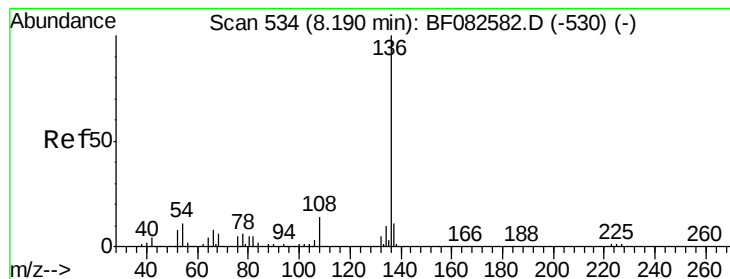
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.01 min

Lab File: BF082734.D

Acq: 5 Nov 2015 17:33

Instrument :

BNA_F

ClientSampleId :

AVE-E-RA15.1-1

Tgt Ion: 136 Resp: 557019

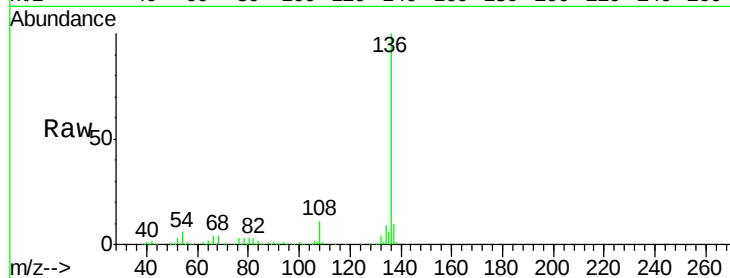
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.6 9.1 13.7#

68 4.0 4.8 7.2#

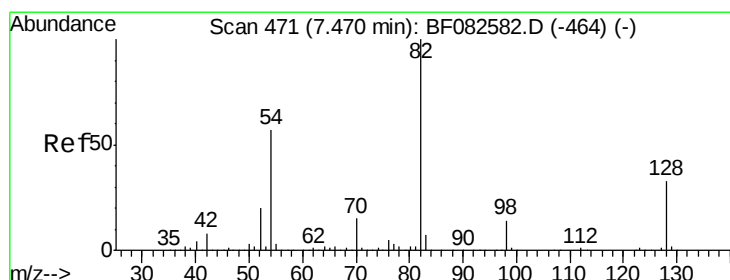
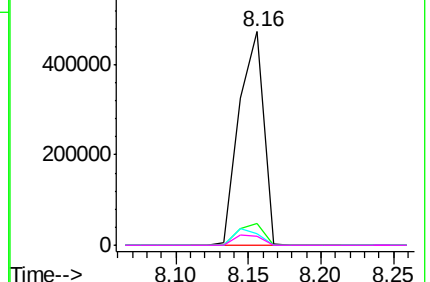
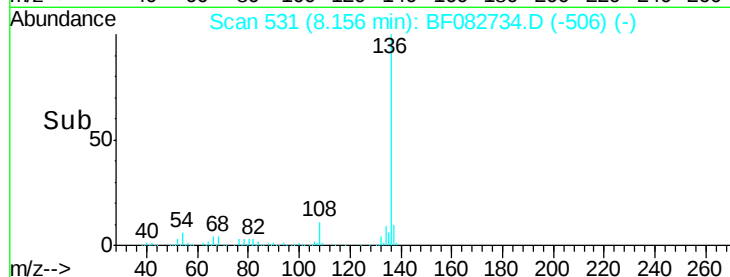


Abundance Ion 136.00 (135.70 to 136.70): E

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: 21.39 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.02 min

Lab File: BF082734.D

Acq: 5 Nov 2015 17:33

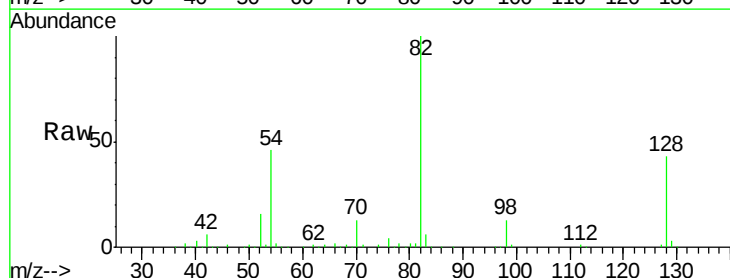
Tgt Ion: 82 Resp: 291767

Ion Ratio Lower Upper

82 100

128 43.3 26.8 40.2#

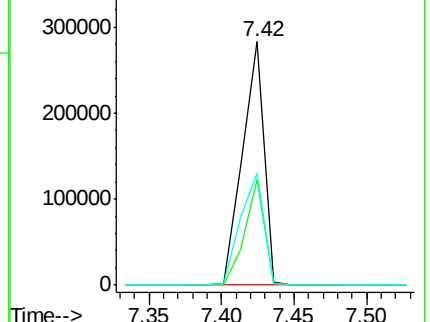
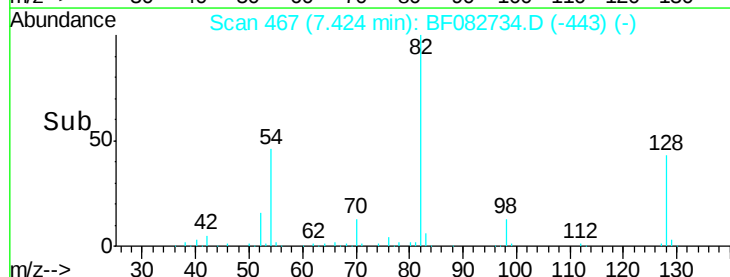
54 45.9 45.7 68.5

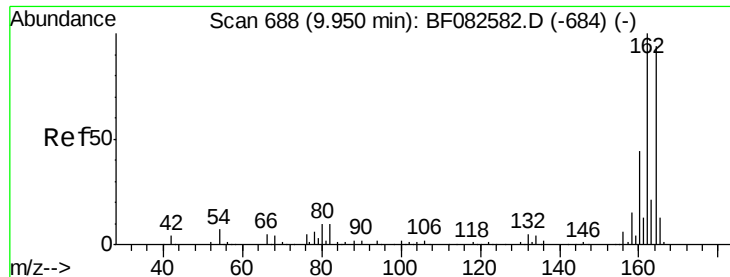


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

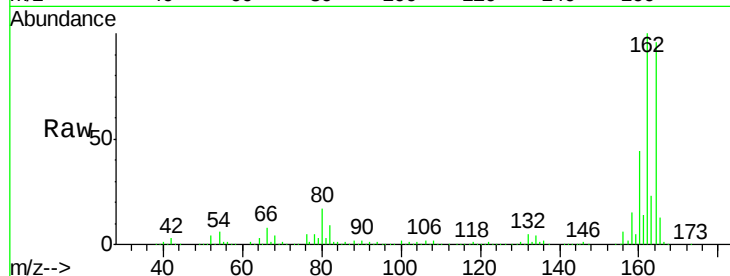




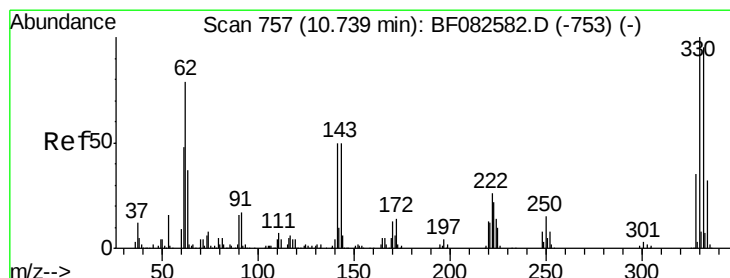
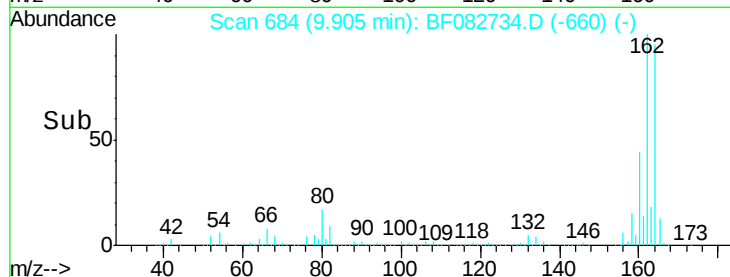
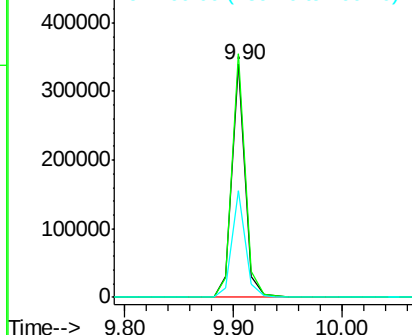
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.02 min
Lab File: BF082734.D
Acq: 5 Nov 2015 17:33

Instrument :
BNA_F
ClientSampleId :
AVE-E-RA15.1-1

Tgt Ion:164 Resp: 280607
Ion Ratio Lower Upper
164 100
162 104.4 84.9 127.3
160 45.6 37.5 56.3

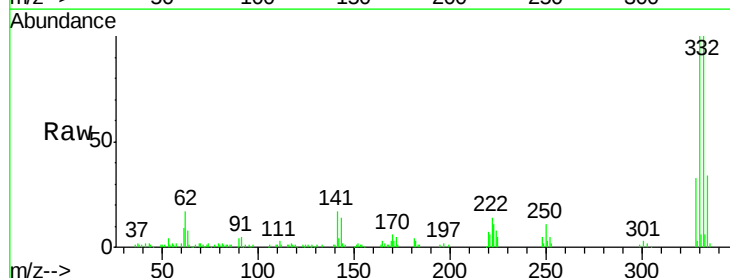


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

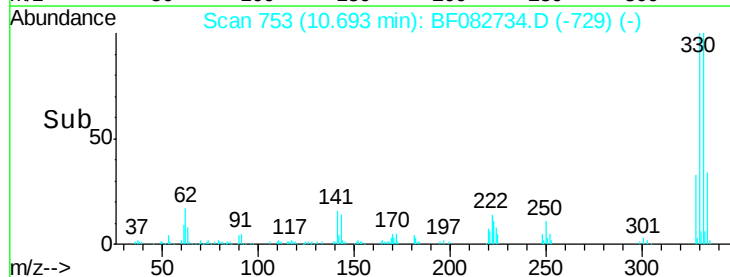
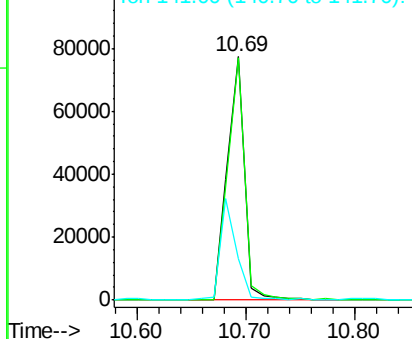


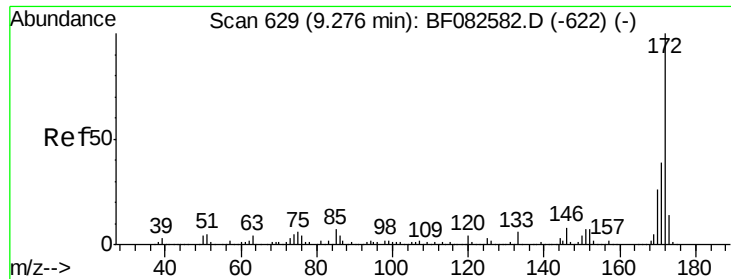
#41
2,4,6-Tribromophenol
Concen: 27.48 ng
RT: 10.69 min Scan# 753
Delta R.T. -0.02 min
Lab File: BF082734.D
Acq: 5 Nov 2015 17:33

Tgt Ion:330 Resp: 84390
Ion Ratio Lower Upper
330 100
332 98.3 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

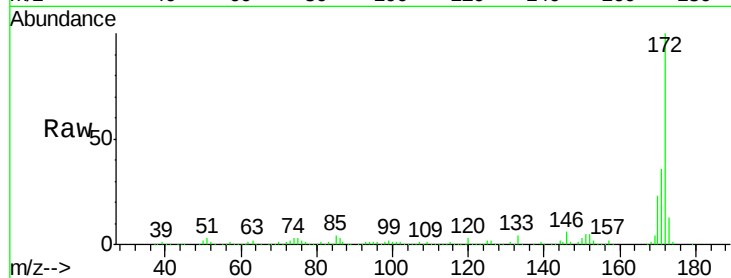




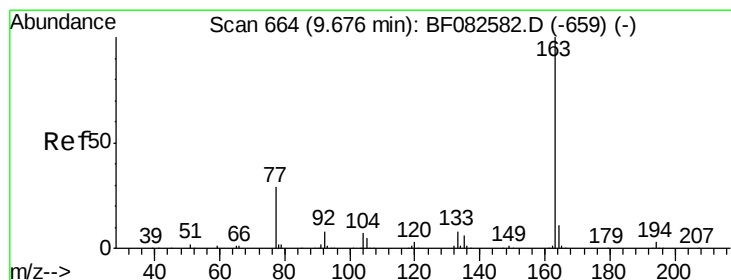
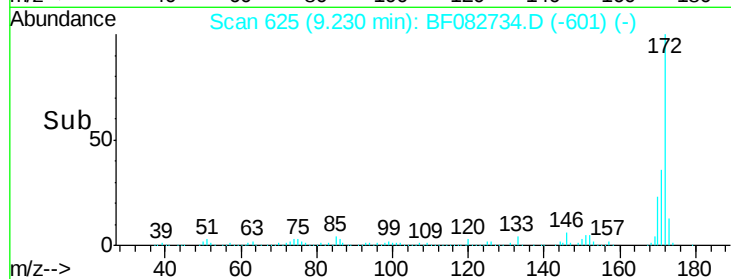
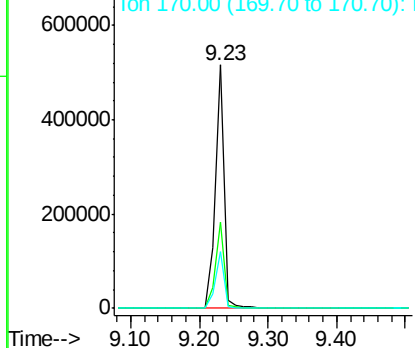
#44
 2-Fluorobiphenyl
 Concen: 23.75 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.02 min
 Lab File: BF082734.D
 Acq: 5 Nov 2015 17:33

Instrument :
 BNA_F
 ClientSampleId :
 AVE-E-RA15.1-1

Tgt Ion:172 Resp: 469422
 Ion Ratio Lower Upper
 172 100
 171 35.5 30.8 46.2
 170 23.5 21.2 31.8

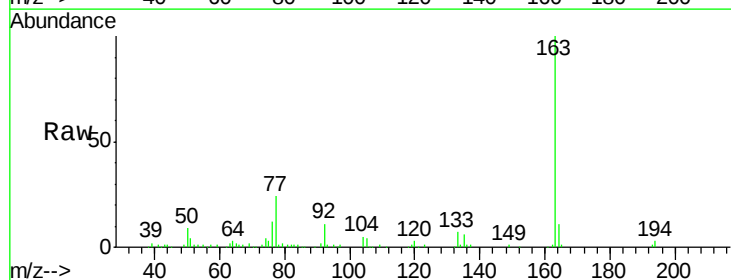


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

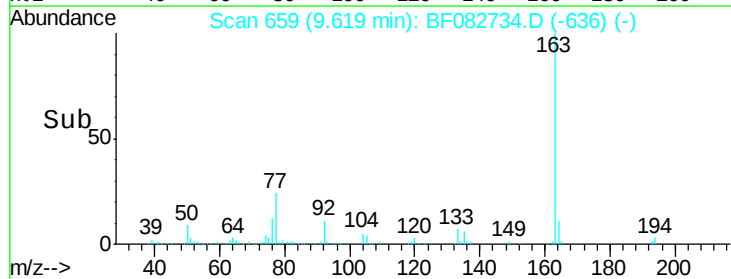
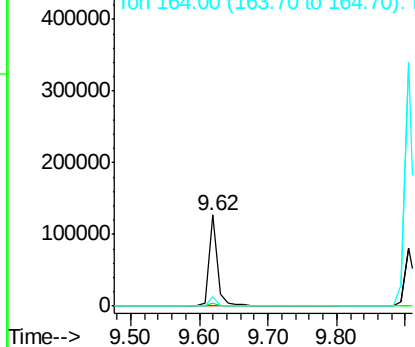


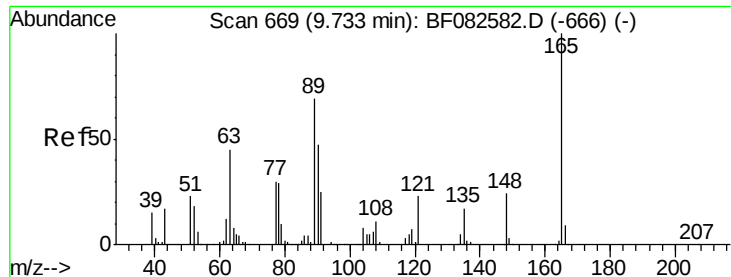
#49
 Dimethylphthalate
 Concen: 4.82 ng
 RT: 9.62 min Scan# 659
 Delta R.T. -0.03 min
 Lab File: BF082734.D
 Acq: 5 Nov 2015 17:33

Tgt Ion:163 Resp: 110466
 Ion Ratio Lower Upper
 163 100
 194 3.5 2.6 4.0
 164 10.8 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

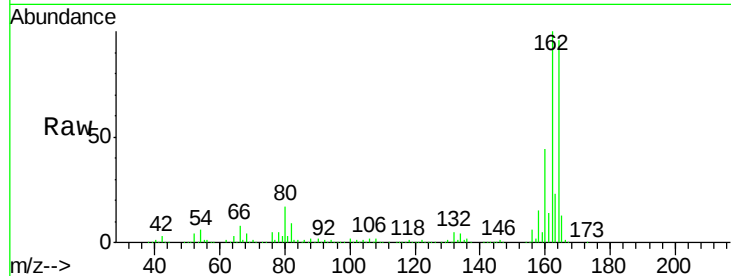




#50
 2,6-Dinitrotoluene
 Concen: 8.02 ng
 RT: 9.90 min Scan# 684
 Delta R.T. 0.19 min
 Lab File: BF082734.D
 Acq: 5 Nov 2015 17:33

Instrument :
 BNA_F
 ClientSampleId :
 AVE-E-RA15.1-1

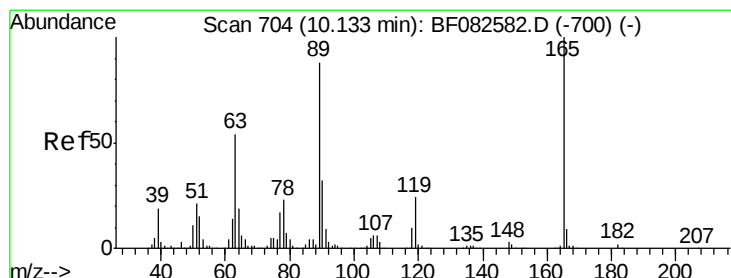
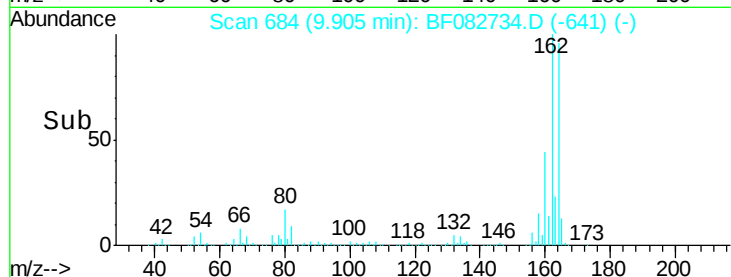
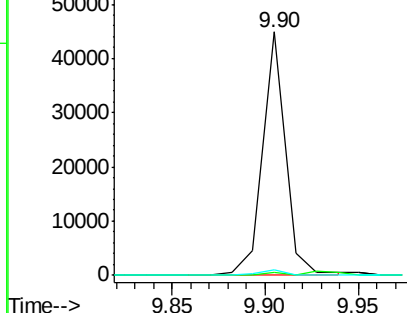
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	55.5	83.3#
89	2.2	55.0	82.6#



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



#56
 2,4-Dinitrotoluene
 Concen: 6.00 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.21 min
 Lab File: BF082734.D
 Acq: 5 Nov 2015 17:33

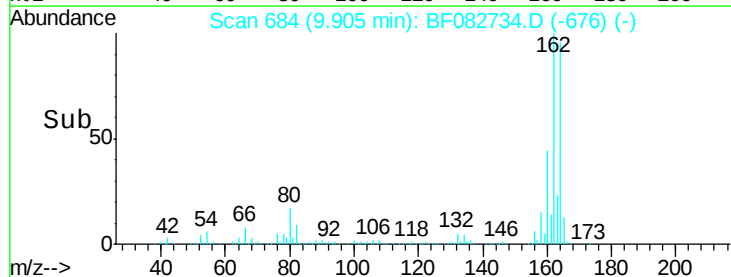
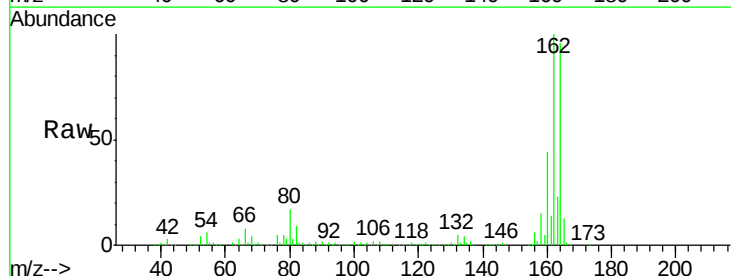
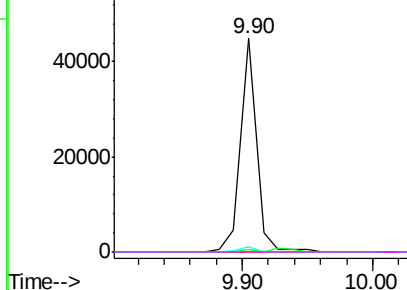
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	43.4	65.0#
89	2.2	70.6	106.0#
182	0.0	1.5	2.3#

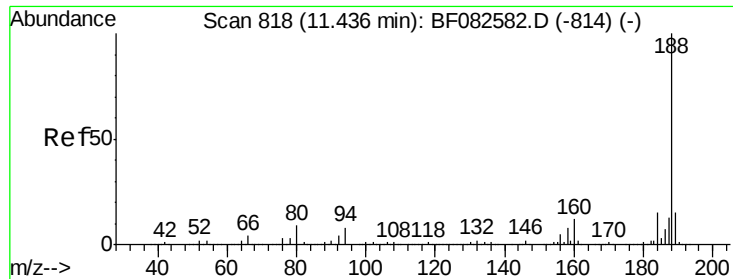
Abundance Ion 165.00 (164.70 to 165.70): E

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

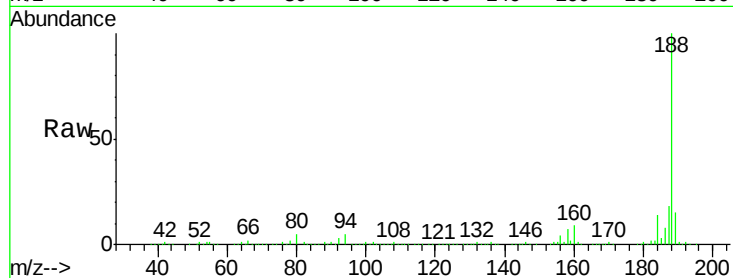




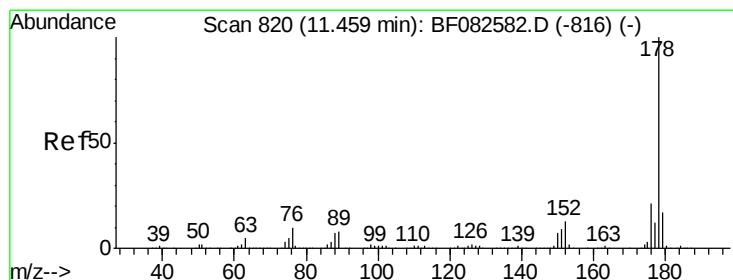
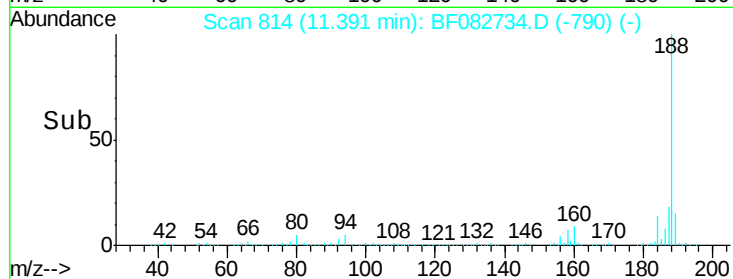
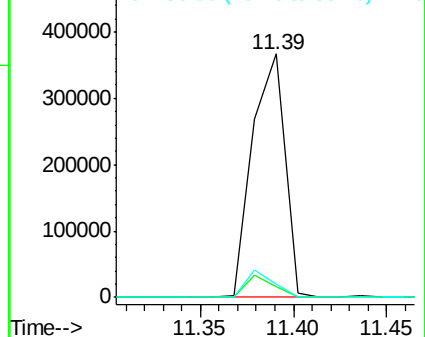
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.02 min
Lab File: BF082734.D
Acq: 5 Nov 2015 17:33

Instrument :
BNA_F
ClientSampleId :
AVE-E-RA15.1-1

Tgt Ion:188 Resp: 443700
Ion Ratio Lower Upper
188 100
94 4.6 6.1 9.1#
80 5.3 7.0 10.6#

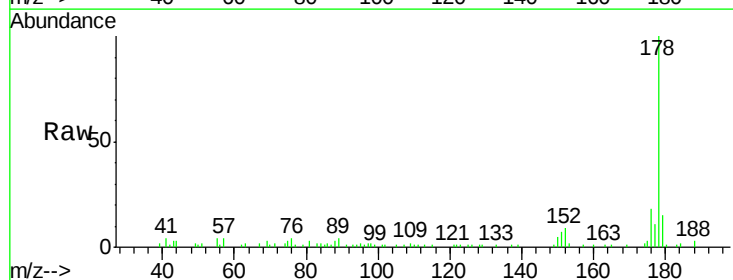


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

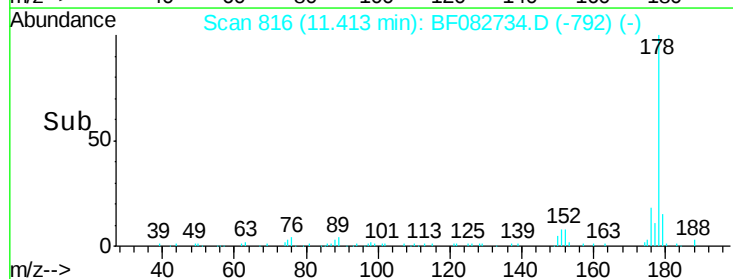
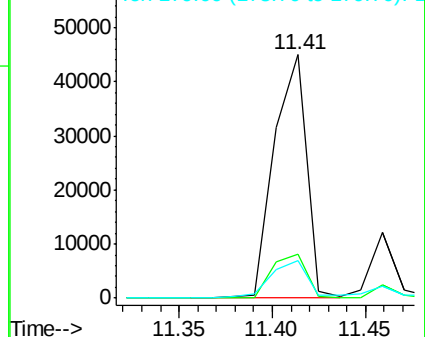


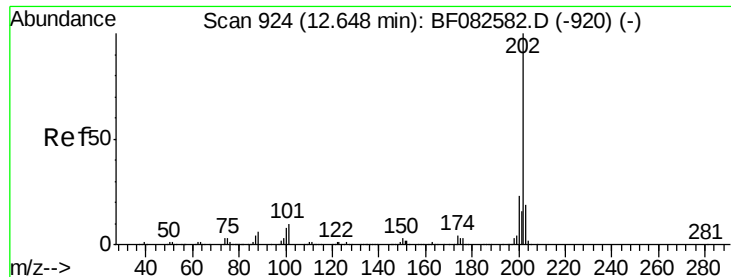
#70
Phenanthrene
Concen: 2.17 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.02 min
Lab File: BF082734.D
Acq: 5 Nov 2015 17:33

Tgt Ion:178 Resp: 54234
Ion Ratio Lower Upper
178 100
176 18.3 17.0 25.4
179 15.2 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

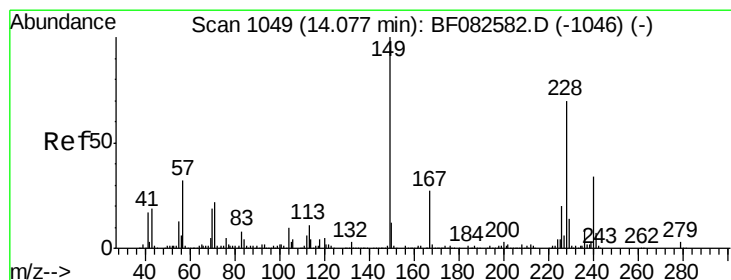
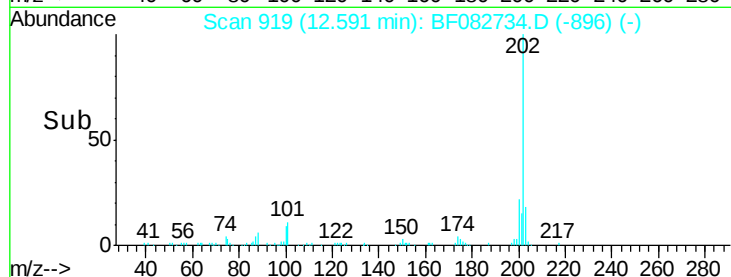
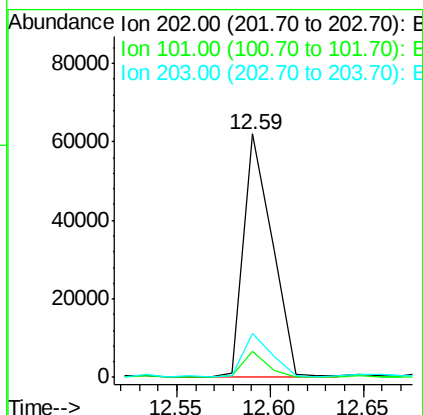
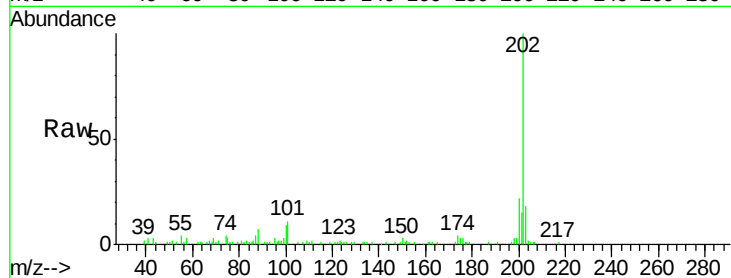




#74
Fluoranthene
Concen: 2.61 ng
RT: 12.59 min Scan# 919
Delta R.T. -0.03 min
Lab File: BF082734.D
Acq: 5 Nov 2015 17:33

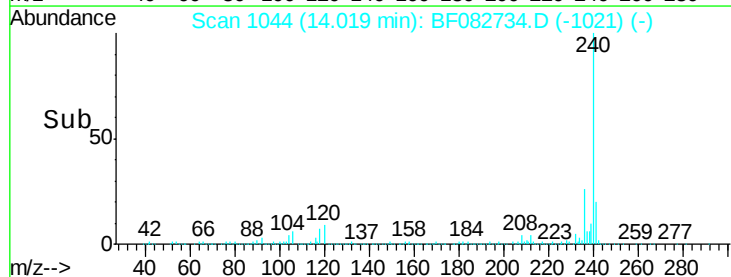
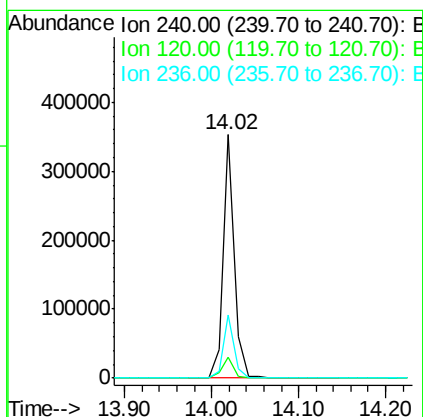
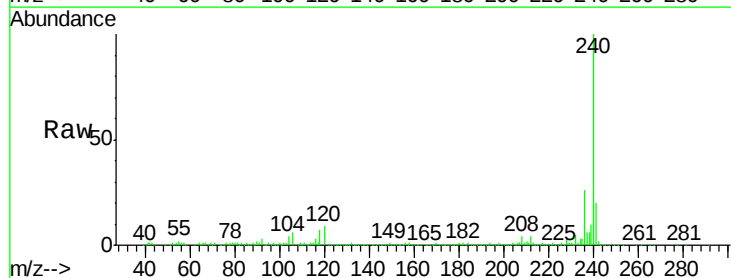
Instrument :
BNA_F
ClientSampleId :
AVE-E-RA15.1-1

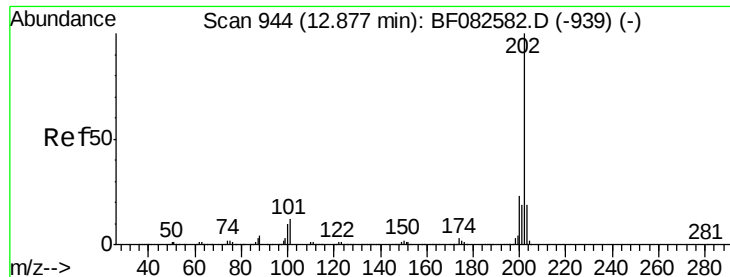
Tgt Ion:202 Resp: 66775
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.5
203 18.0 0.0 38.5



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1044
Delta R.T. -0.03 min
Lab File: BF082734.D
Acq: 5 Nov 2015 17:33

Tgt Ion:240 Resp: 318398
Ion Ratio Lower Upper
240 100
120 8.8 10.9 16.3#
236 26.0 21.6 32.4

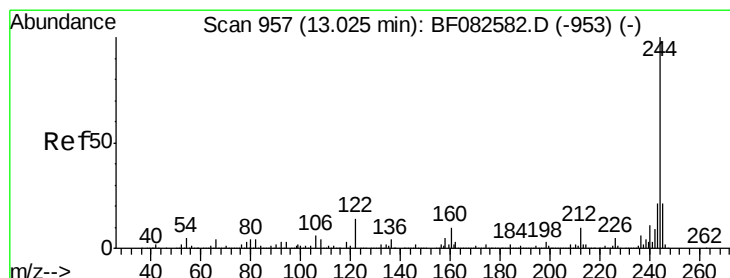
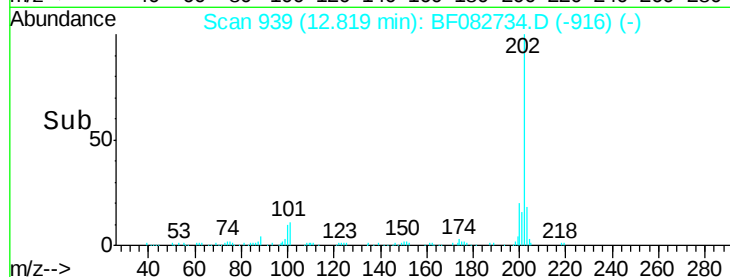
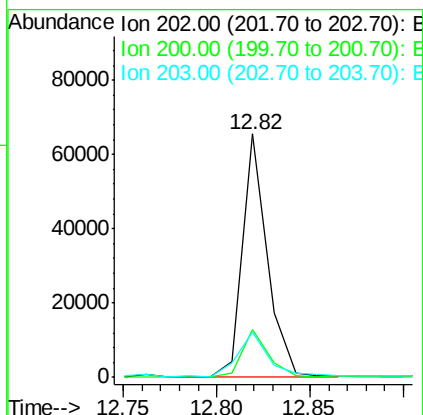
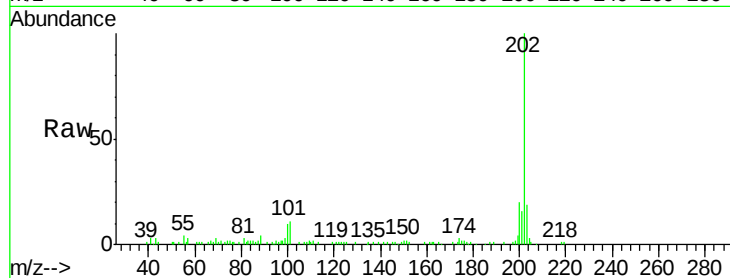




#77
 Pyrene
 Concen: 2.59 ng
 RT: 12.82 min Scan# 939
 Delta R.T. -0.03 min
 Lab File: BF082734.D
 Acq: 5 Nov 2015 17:33

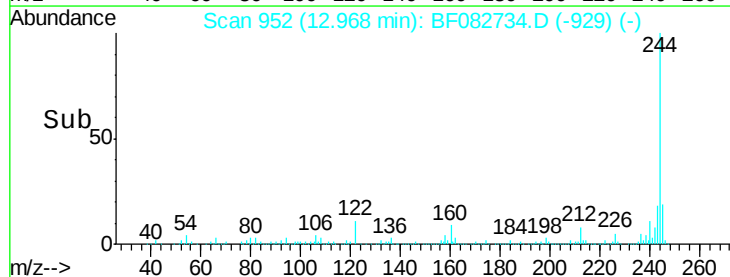
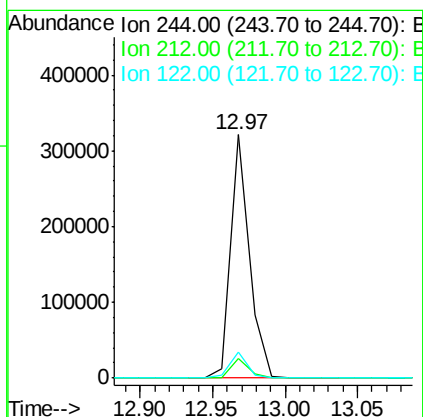
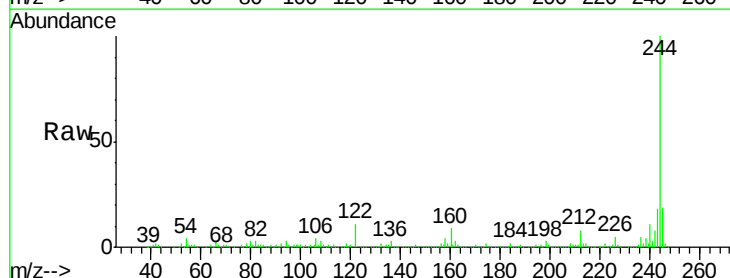
Instrument :
 BNA_F
 ClientSampleId :
 AVE-E-RA15.1-1

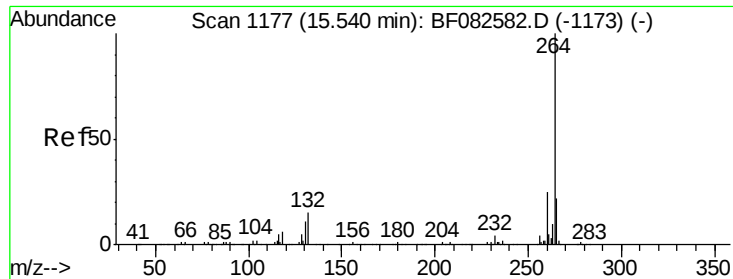
Tgt Ion: 202 Resp: 61144
 Ion Ratio Lower Upper
 202 100
 200 19.8 18.7 28.1
 203 18.6 14.8 22.2



#78
 Terphenyl-d14
 Concen: 19.81 ng
 RT: 12.97 min Scan# 952
 Delta R.T. -0.03 min
 Lab File: BF082734.D
 Acq: 5 Nov 2015 17:33

Tgt Ion: 244 Resp: 288233
 Ion Ratio Lower Upper
 244 100
 212 8.0 7.6 11.4
 122 10.8 11.3 16.9#

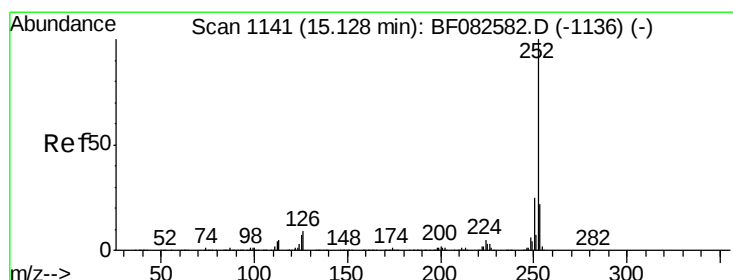
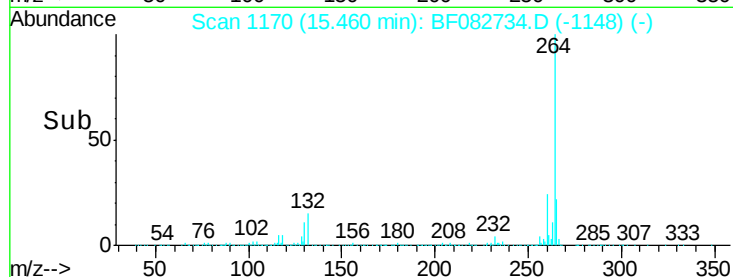
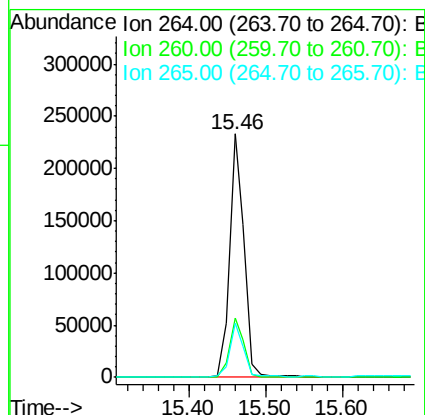
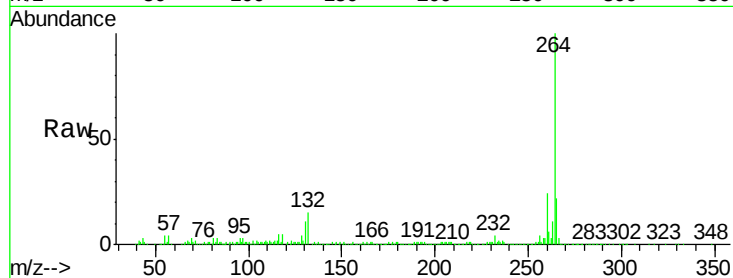




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.05 min
Lab File: BF082734.D
Acq: 5 Nov 2015 17:33

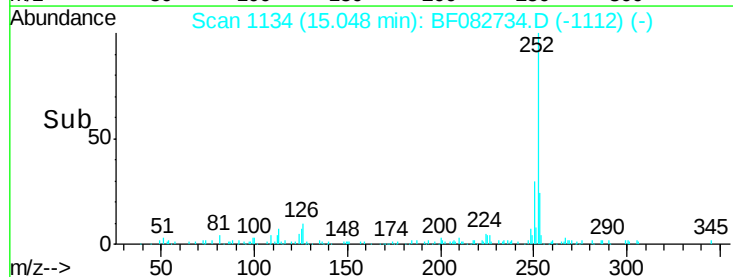
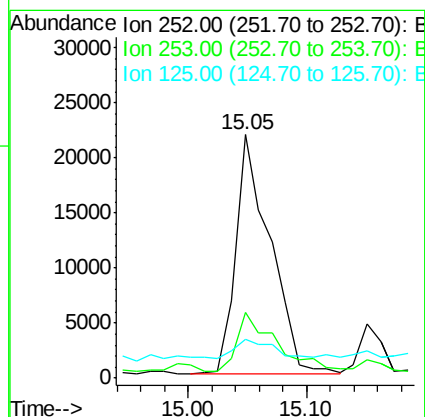
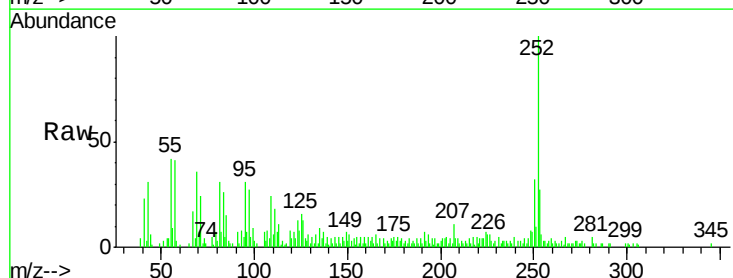
Instrument :
BNA_F
ClientSampleId :
AVE-E-RA15.1-1

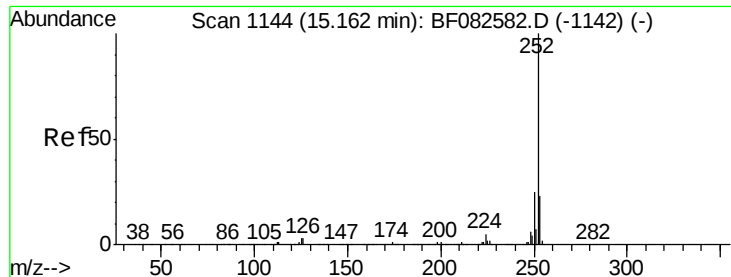
Tgt Ion:264 Resp: 314507
Ion Ratio Lower Upper
264 100
260 24.4 19.8 29.6
265 22.5 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 2.01 ng
RT: 15.05 min Scan# 1134
Delta R.T. -0.05 min
Lab File: BF082734.D
Acq: 5 Nov 2015 17:33

Tgt Ion:252 Resp: 43610
Ion Ratio Lower Upper
252 100
253 26.8 17.8 26.8#
125 15.8 5.4 8.2#

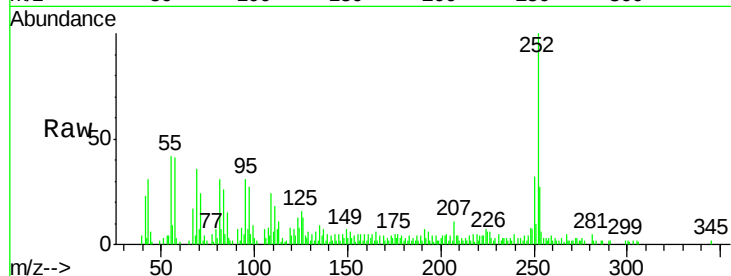




#88
 Benzo(k)fluoranthene
 Concen: 2.64 ng
 RT: 15.05 min Scan# 1134
 Delta R.T. -0.08 min
 Lab File: BF082734.D
 Acq: 5 Nov 2015 17:33

Instrument :
 BNA_F
 ClientSampleId :
 AVE-E-RA15.1-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.9	26.9
125	15.8	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

