

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
 Data File : BF082733.D
 Acq On : 5 Nov 2015 17:04
 Operator : UM/IZ
 Sample : G4261-12
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW4

Quant Time: Nov 06 02:59:46 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

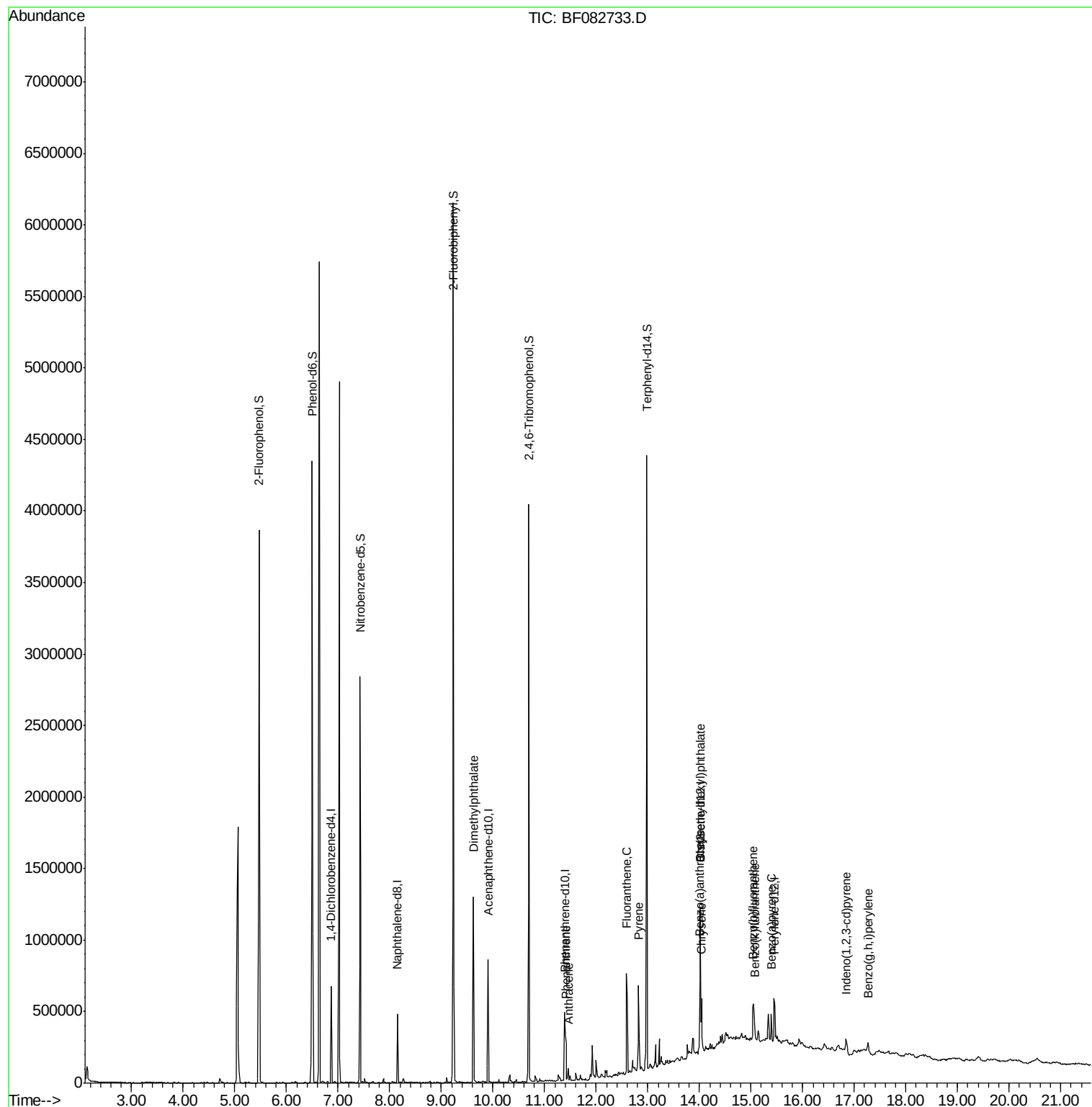
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	86235	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	285539	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	156056	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	259286	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	177386	20.00	ng	-0.03
86) Perylene-d12	15.45	264	179746	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1408935	246.08	ng	0.00
7) Phenol-d6	6.50	99	1701500	223.69	ng	-0.01
23) Nitrobenzene-d5	7.42	82	1198904	171.46	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	428770	251.05	ng	-0.02
44) 2-Fluorobiphenyl	9.23	172	1753359	159.52	ng	-0.02
78) Terphenyl-d14	12.98	244	1516364	187.08	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.62	163	488266	38.31	ng	99
70) Phenanthrene	11.41	178	169269	11.57	ng	93
71) Anthracene	11.46	178	31177	2.12	ng	97
74) Fluoranthene	12.59	202	387932	25.95	ng	96
77) Pyrene	12.82	202	270574	20.60	ng	96
80) Benzo(a)anthracene	14.01	228	97639	8.67	ng	98
82) Chrysene	14.04	228	159911	15.66	ng	98
83) Bis(2-ethylhexyl)phthalate	14.02	149	119243	15.99	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.84	276	65651	7.79	ng	# 91
87) Benzo(b)fluoranthene	15.05	252	176635m	14.25	ng	
88) Benzo(k)fluoranthene	15.07	252	45387m	4.81	ng	
89) Benzo(a)pyrene	15.39	252	82274	8.43	ng	# 94
91) Benzo(a,h,i)perylene	17.27	276	59834	6.78	ng	97

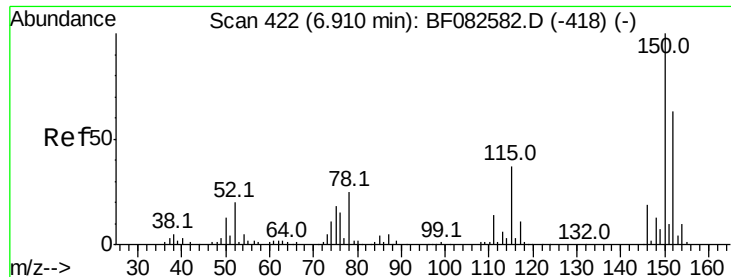
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
Data File : BF082733.D
Acq On : 5 Nov 2015 17:04
Operator : UM/IZ
Sample : G4261-12
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW4

Quant Time: Nov 06 02:59:46 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



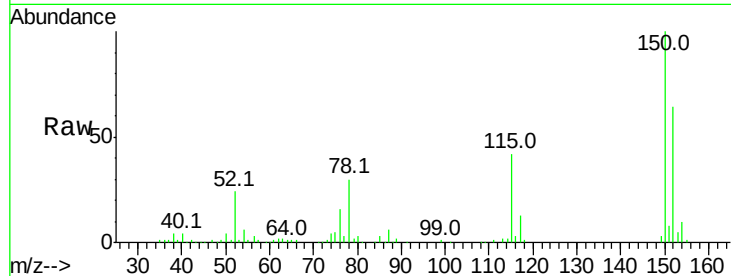


#1

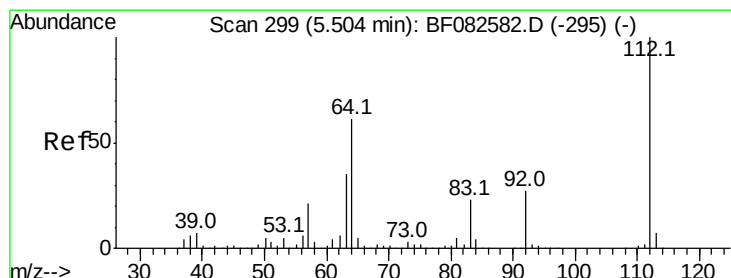
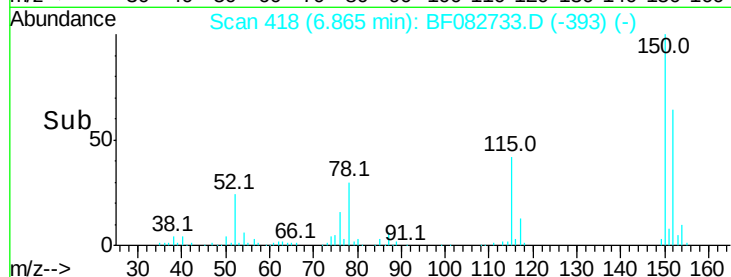
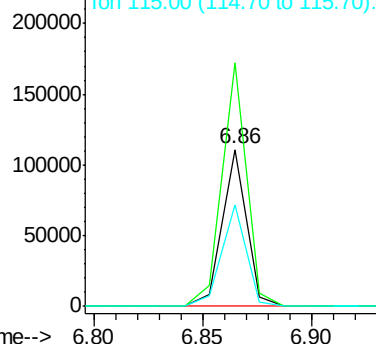
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 418
Delta R.T. -0.01 min
Lab File: BF082733.D
Acq: 5 Nov 2015 17:04

Instrument :
BNA_F
ClientSampleId :
DW4

Tot Ion:152 Resp: 86235
Ion Ratio Lower Upper
152 100
150 155.1 127.0 190.4
115 65.0 47.0 70.6



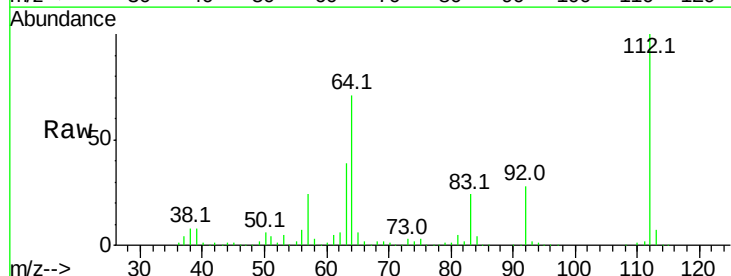
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



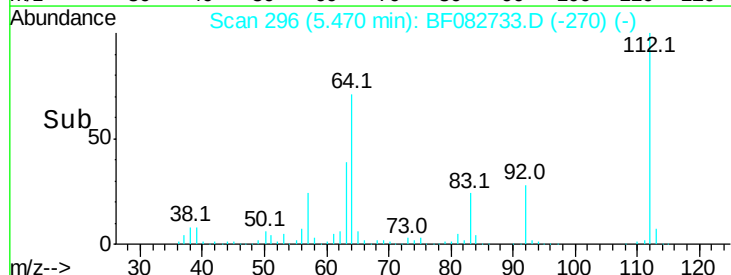
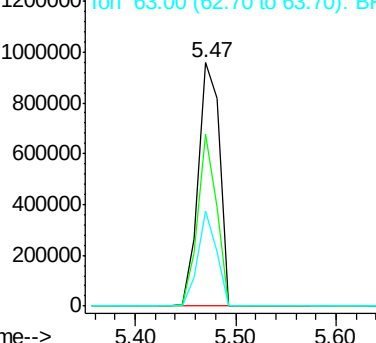
#5

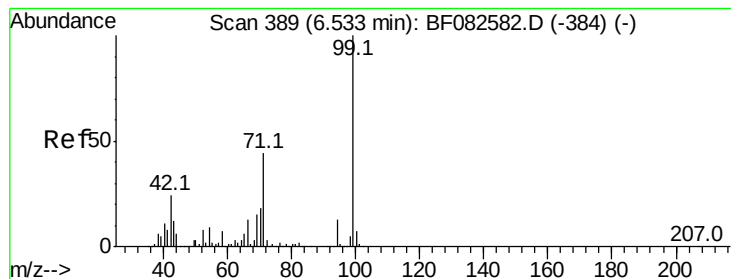
2-Fluorophenol
Concen: 246.08 ng
RT: 5.47 min Scan# 296
Delta R.T. 0.00 min
Lab File: BF082733.D
Acq: 5 Nov 2015 17:04

Tgt Ion:112 Resp: 1408935
Ion Ratio Lower Upper
112 100
64 70.7 48.9 73.3
63 39.0 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: 223.69 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF082733.D

Acq: 5 Nov 2015 17:04

Instrument :

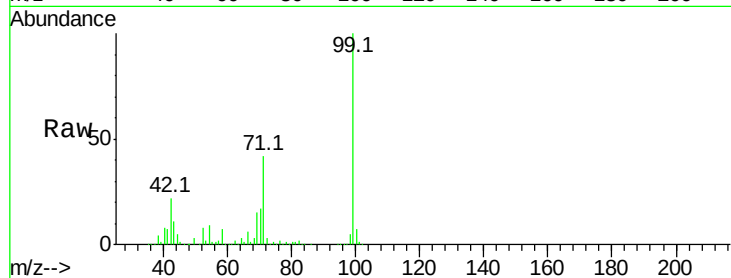
BNA_F

ClientSampleId :

DW4

Tot Ion: 99 Resp: 1701500

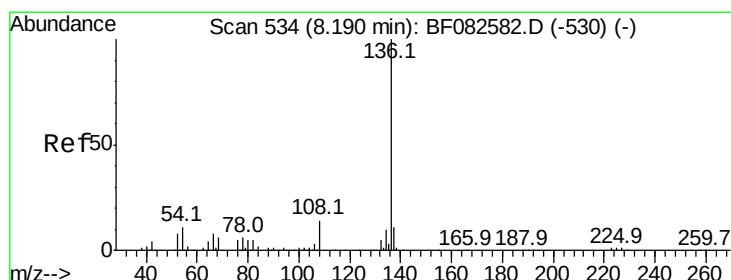
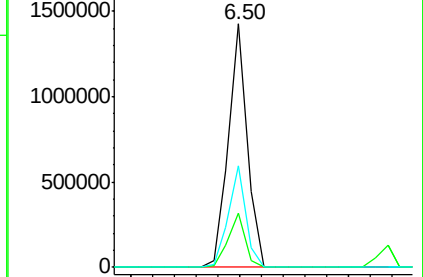
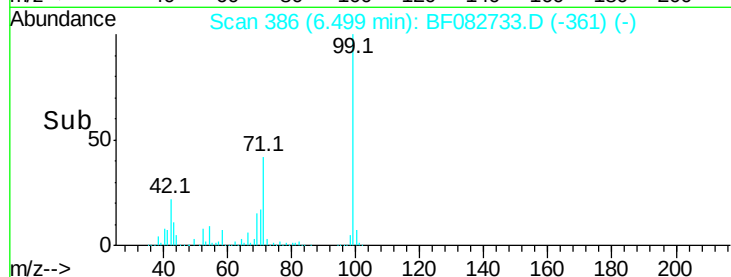
Ion	Ratio	Lower	Upper
99	100		
42	22.1	19.2	28.8
71	41.8	35.0	52.4



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

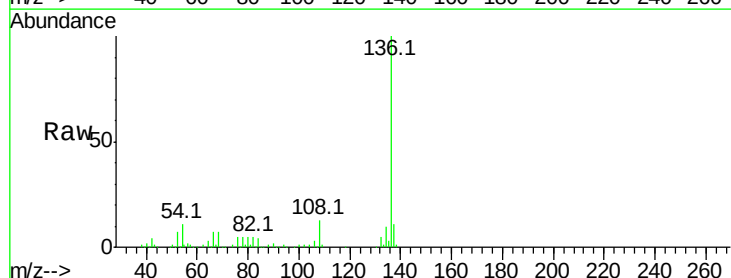
Delta R.T. -0.02 min

Lab File: BF082733.D

Acq: 5 Nov 2015 17:04

Tgt Ion: 136 Resp: 285539

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	10.9	9.1	13.7
68	7.2	4.8	7.2

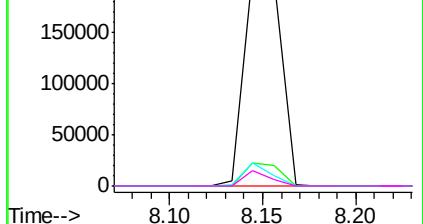
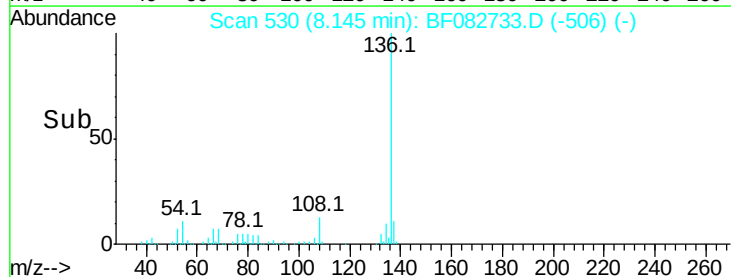


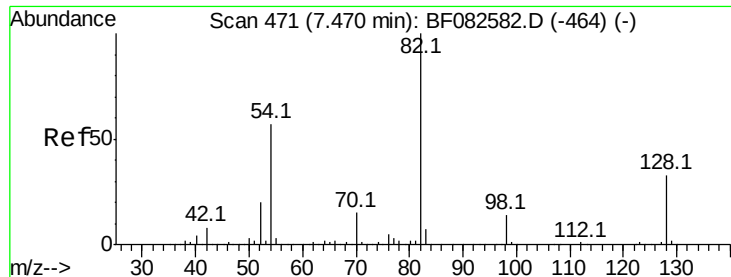
Abundance Ion 136.00 (135.70 to 136.70): E

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

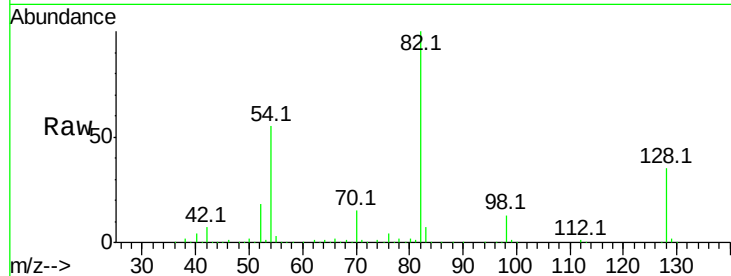




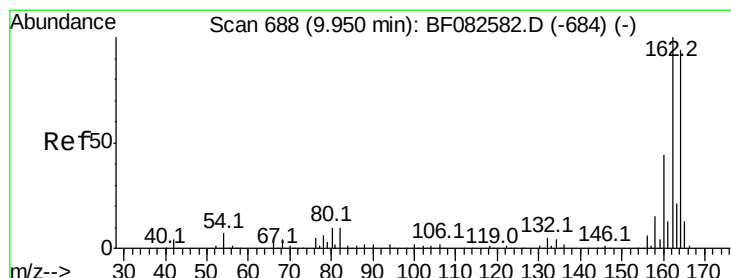
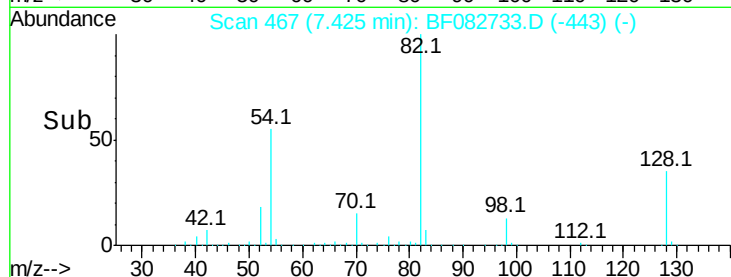
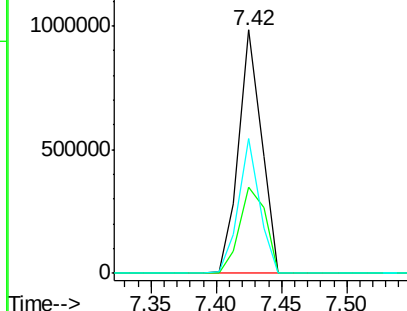
#23
 Nitrobenzene-d5
 Concen: 171.46 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.02 min
 Lab File: BF082733.D
 Acq: 5 Nov 2015 17:04

Instrument :
 BNA_F
 ClientSampleId :
 DW4

Tot Ion: 82 Resp: 1198904
 Ion Ratio Lower Upper
 82 100
 128 35.2 26.8 40.2
 54 55.5 45.7 68.5

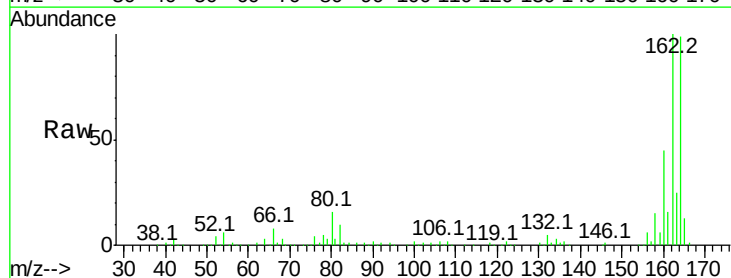


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

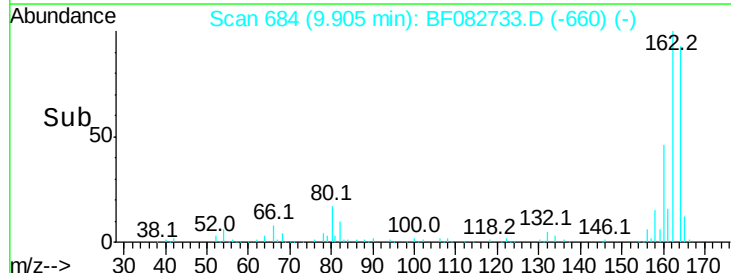
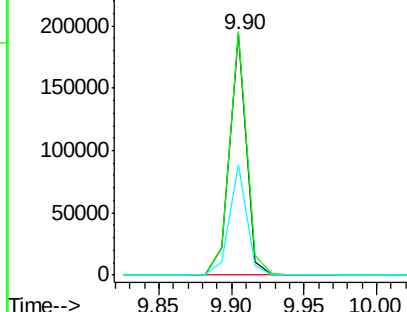


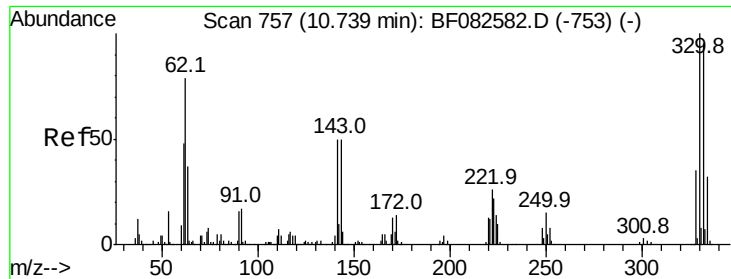
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.02 min
 Lab File: BF082733.D
 Acq: 5 Nov 2015 17:04

Tgt Ion: 164 Resp: 156056
 Ion Ratio Lower Upper
 164 100
 162 101.1 84.9 127.3
 160 45.9 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

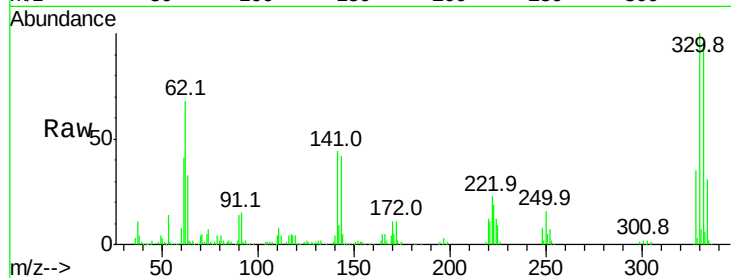




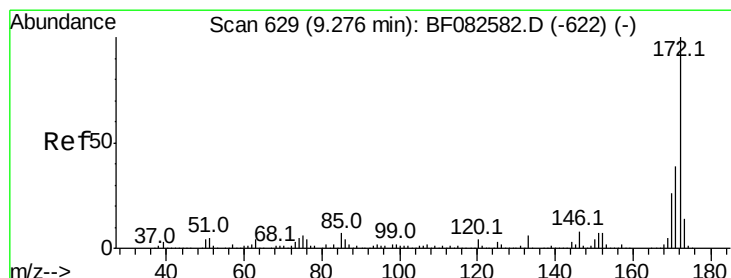
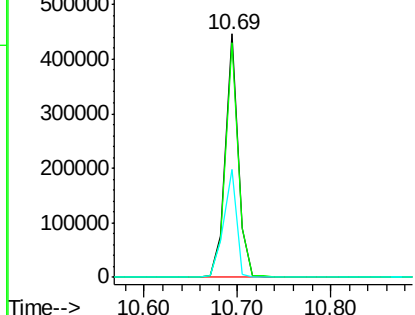
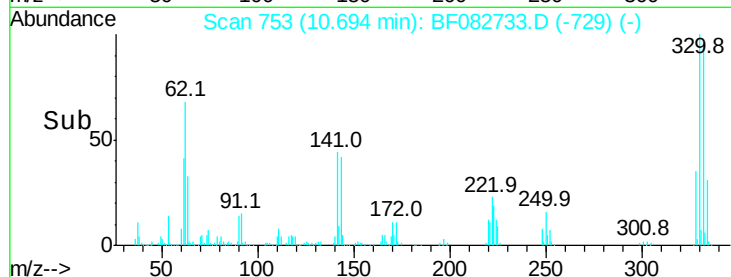
#41
 2,4,6-Tribromophenol
 Concen: 251.05 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.02 min
 Lab File: BF082733.D
 Acq: 5 Nov 2015 17:04

Instrument :
 BNA_F
 ClientSampleId :
 DW4

Tot Ion:330 Resp: 428770
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.6 114.8
 141 44.0 41.2 61.8

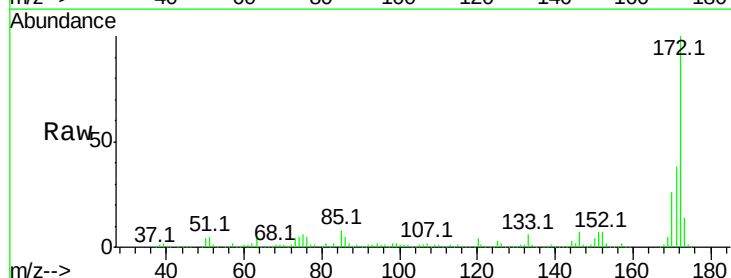


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

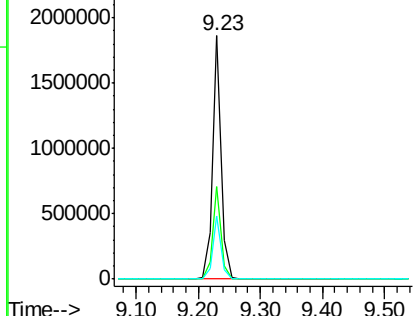
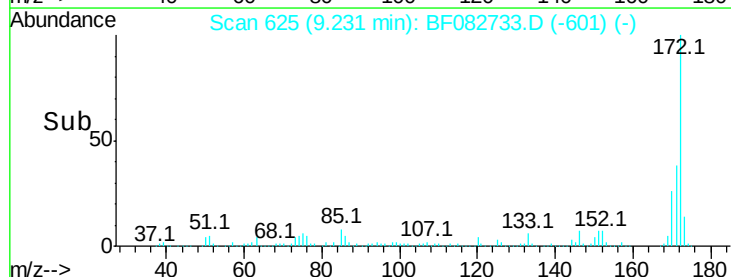


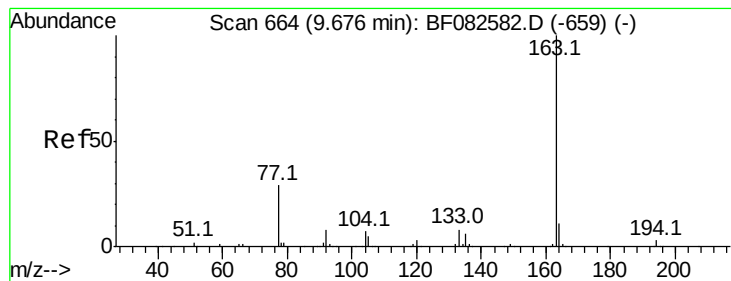
#44
 2-Fluorobiphenyl
 Concen: 159.52 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.02 min
 Lab File: BF082733.D
 Acq: 5 Nov 2015 17:04

Tgt Ion:172 Resp: 1753359
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.8 46.2
 170 25.8 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: 38.31 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.03 min

Lab File: BF082733.D

Acq: 5 Nov 2015 17:04

Instrument :

BNA_F

ClientSampleId :

DW4

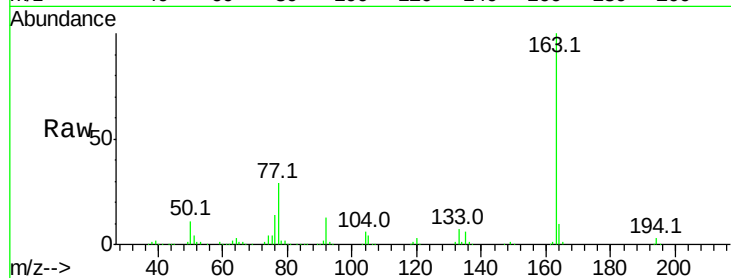
Tot Ion:163 Resp: 488266

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

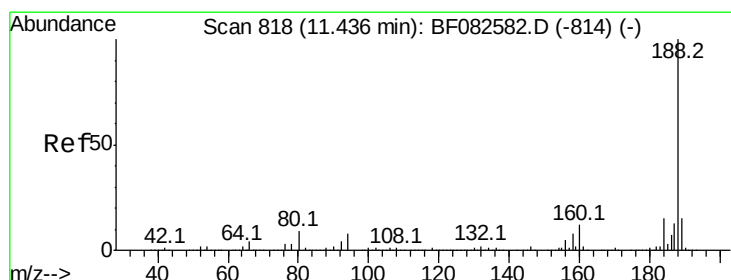
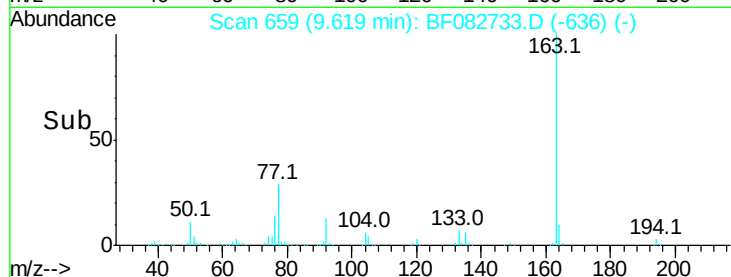
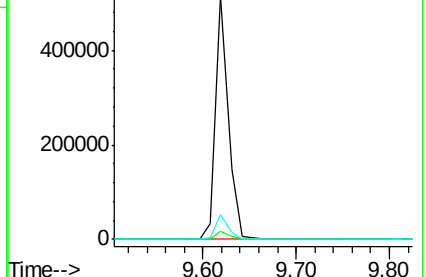
164 10.3 8.7 13.1



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.02 min

Lab File: BF082733.D

Acq: 5 Nov 2015 17:04

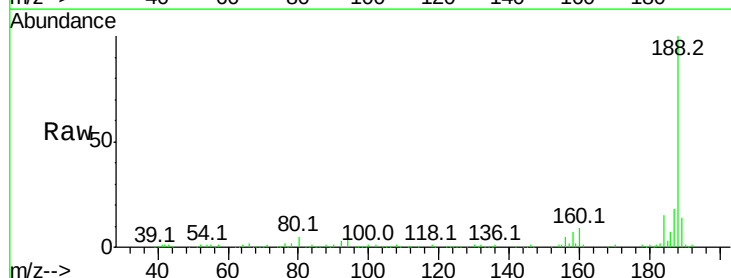
Tgt Ion:188 Resp: 259286

Ion Ratio Lower Upper

188 100

94 4.7 6.1 9.1#

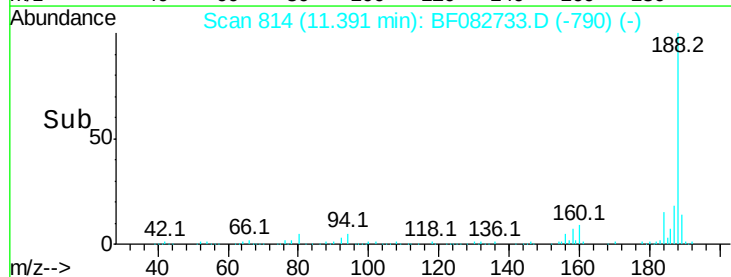
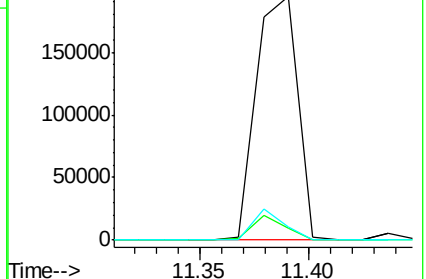
80 5.4 7.0 10.6#

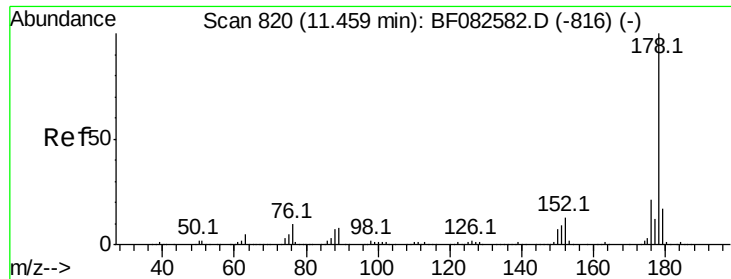


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

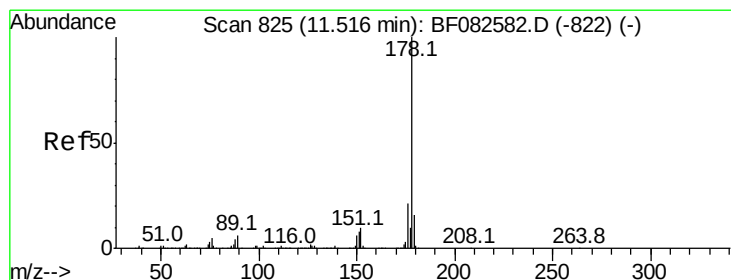
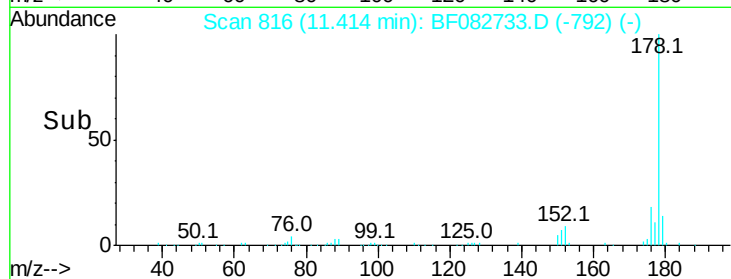
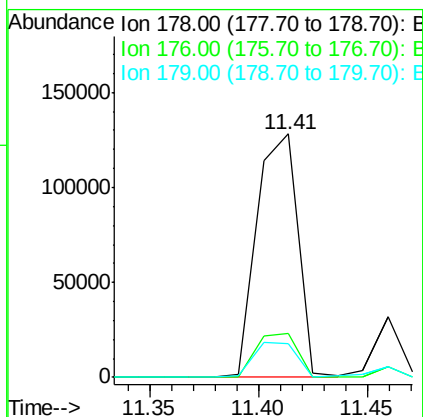
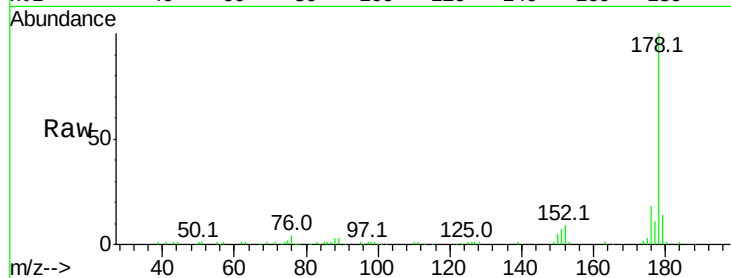




#70
 Phenanthrene
 Concen: 11.57 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.02 min
 Lab File: BF082733.D
 Acq: 5 Nov 2015 17:04

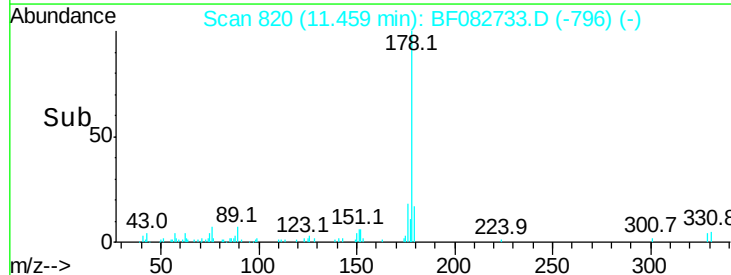
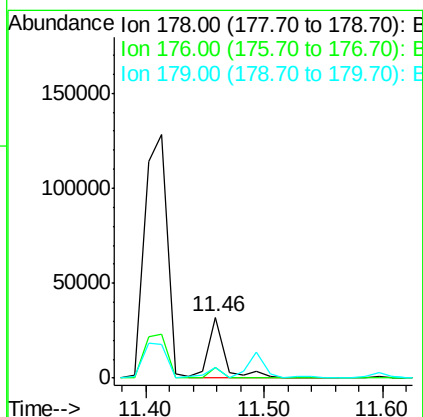
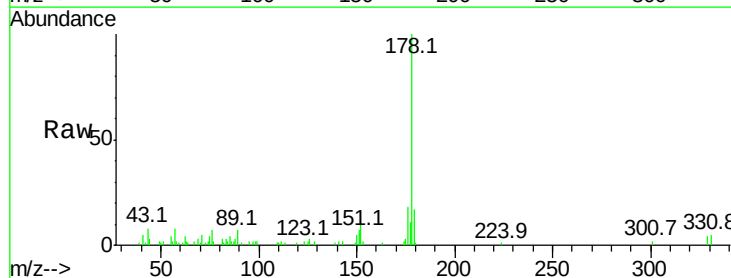
Instrument :
 BNA_F
 ClientSampleId :
 DW4

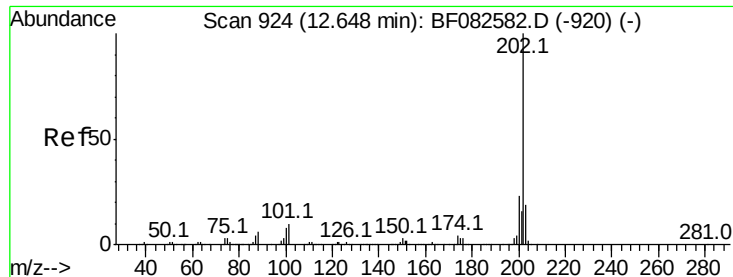
Tot Ion:178 Resp: 169269
 Ion Ratio Lower Upper
 178 100
 176 17.9 17.0 25.4
 179 13.8 13.4 20.0



#71
 Anthracene
 Concen: 2.12 ng
 RT: 11.46 min Scan# 820
 Delta R.T. -0.02 min
 Lab File: BF082733.D
 Acq: 5 Nov 2015 17:04

Tgt Ion:178 Resp: 31177
 Ion Ratio Lower Upper
 178 100
 176 17.8 16.5 24.7
 179 16.6 13.2 19.8

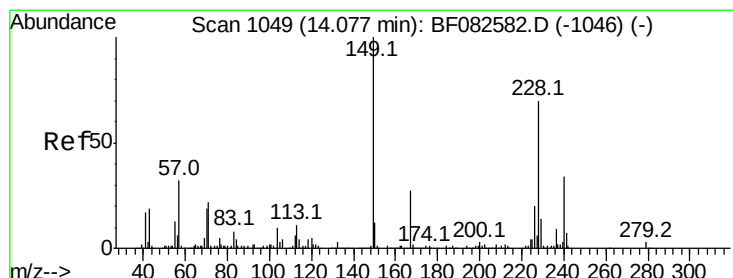
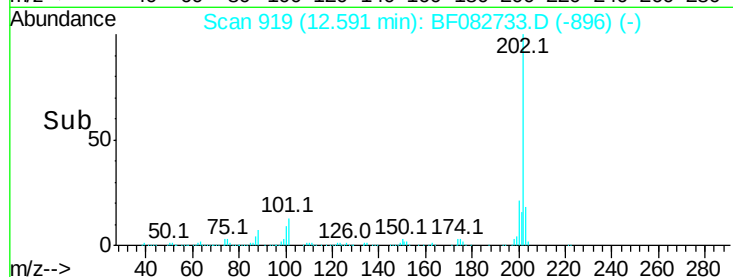
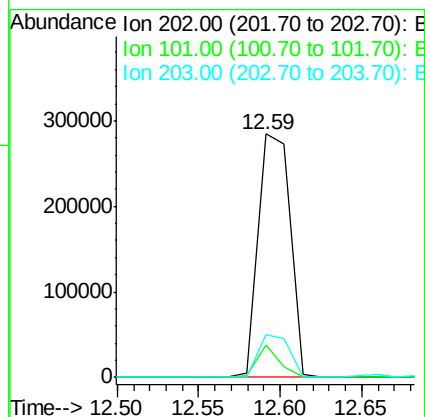
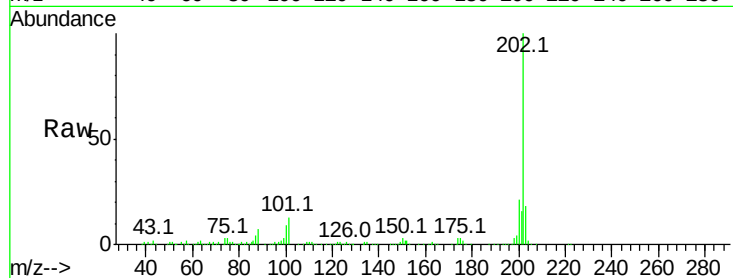




#74
Fluoranthene
Concen: 25.95 ng
RT: 12.59 min Scan# 919
Delta R.T. -0.03 min
Lab File: BF082733.D
Acq: 5 Nov 2015 17:04

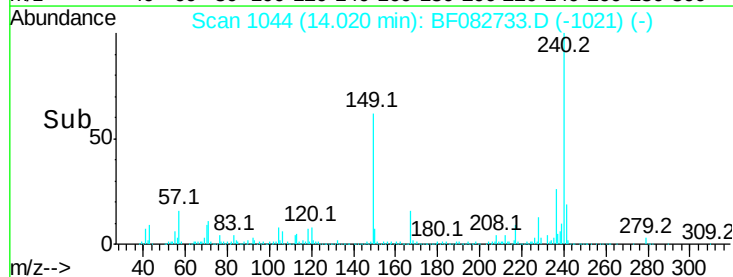
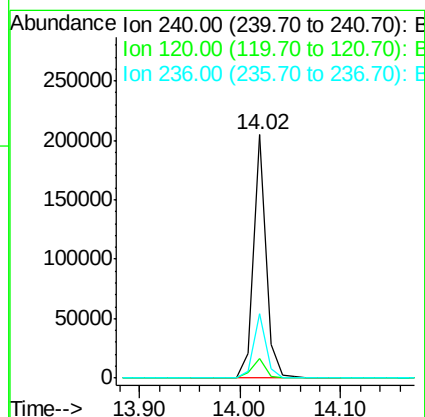
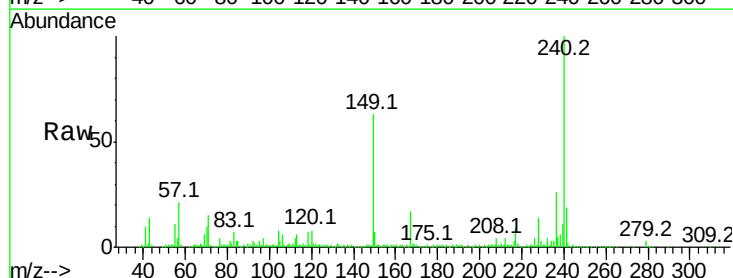
Instrument :
BNA_F
ClientSampleId :
DW4

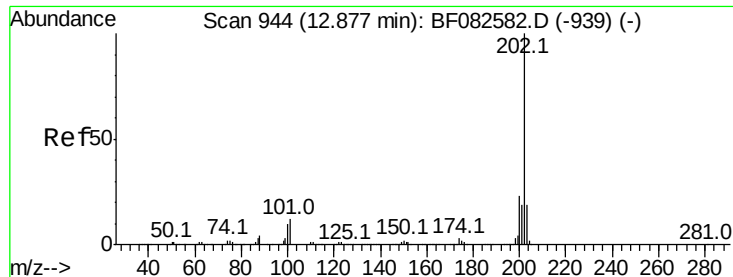
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	30.5
203	17.5	0.0	38.5



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1044
Delta R.T. -0.03 min
Lab File: BF082733.D
Acq: 5 Nov 2015 17:04

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.1	10.9	16.3#
236	26.2	21.6	32.4

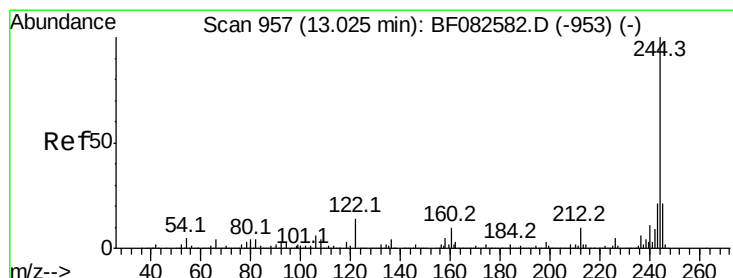
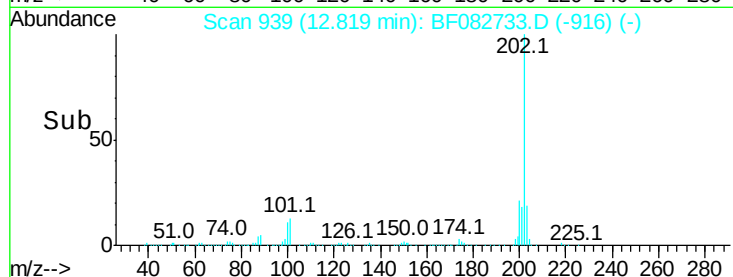
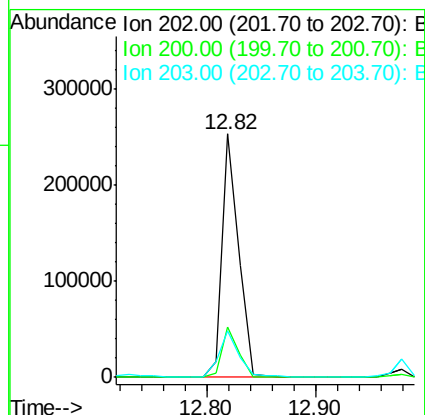
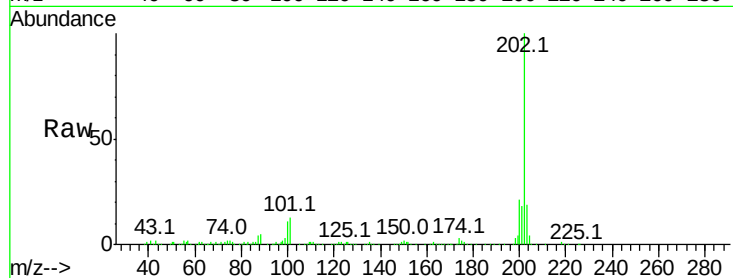




#77
Pvrene
Concen: 20.60 ng
RT: 12.82 min Scan# 939
Delta R.T. -0.03 min
Lab File: BF082733.D
Acq: 5 Nov 2015 17:04

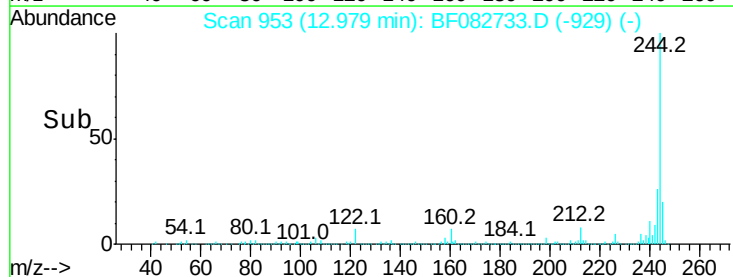
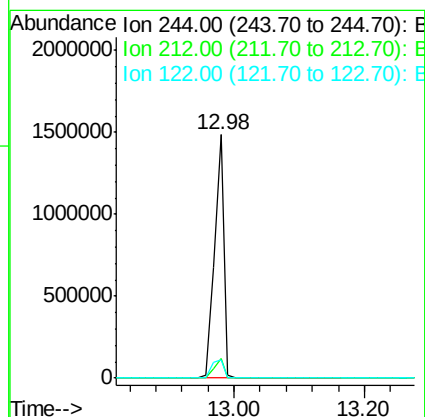
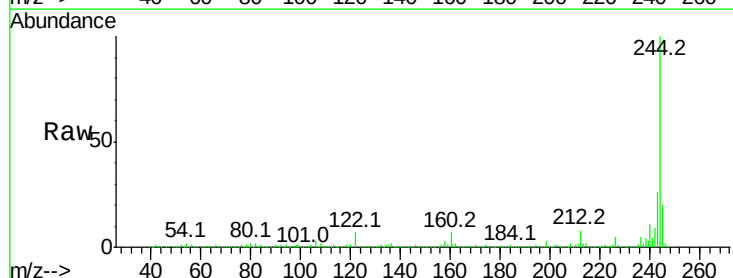
Instrument :
BNA_F
ClientSampleId :
DW4

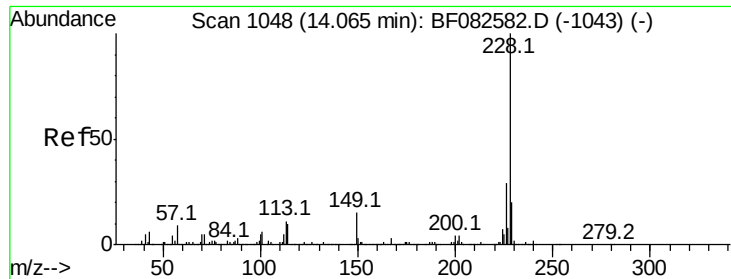
Tot Ion:202 Resp: 270574
Ion Ratio Lower Upper
202 100
200 20.7 18.7 28.1
203 19.0 14.8 22.2



#78
Terphenyl-d14
Concen: 187.08 ng
RT: 12.98 min Scan# 953
Delta R.T. -0.02 min
Lab File: BF082733.D
Acq: 5 Nov 2015 17:04

Tgt Ion:244 Resp: 1516364
Ion Ratio Lower Upper
244 100
212 7.8 7.6 11.4
122 7.5 11.3 16.9#





#80

Benzo(a)anthracene

Concen: 8.67 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF082733.D

Acq: 5 Nov 2015 17:04

Instrument :

BNA_F

ClientSampleId :

DW4

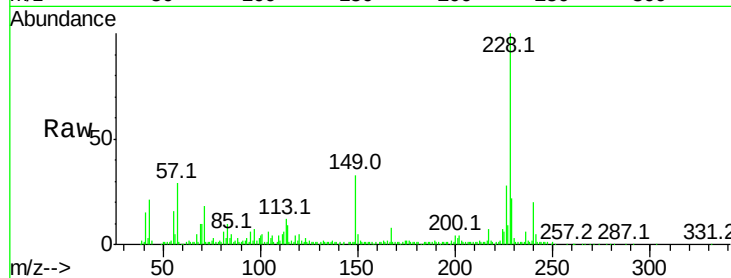
Tot Ion:228 Resp: 97639

Ion Ratio Lower Upper

228 100

226 28.1 23.4 35.2

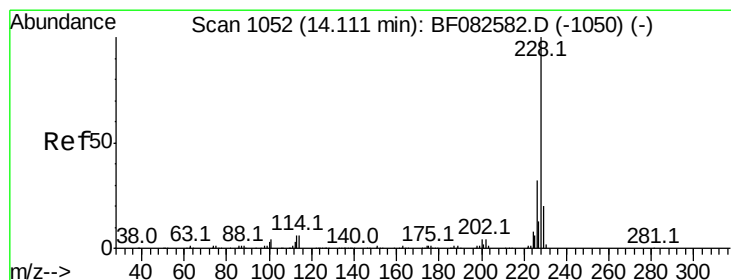
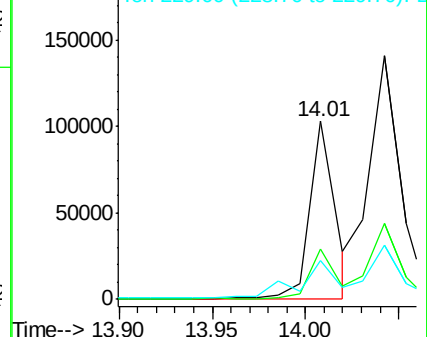
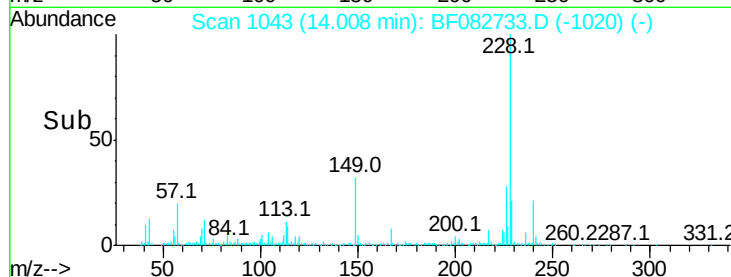
229 21.7 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 15.66 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.05 min

Lab File: BF082733.D

Acq: 5 Nov 2015 17:04

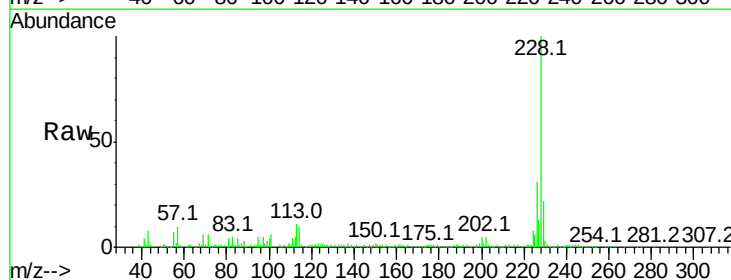
Tgt Ion:228 Resp: 159911

Ion Ratio Lower Upper

228 100

226 31.0 25.5 38.3

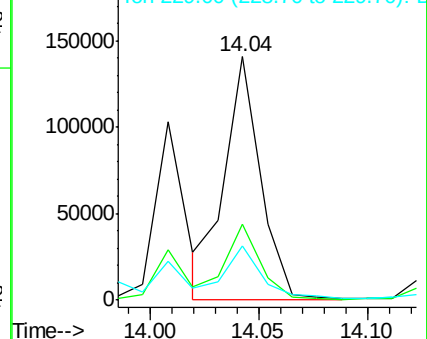
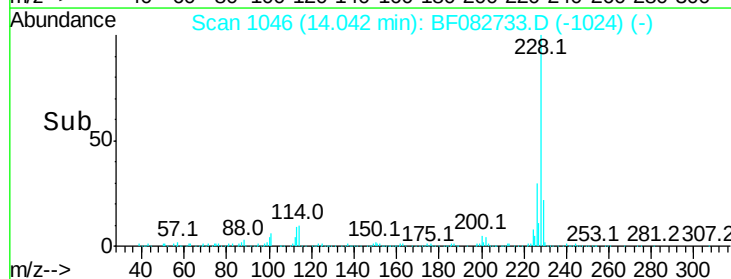
229 22.1 16.3 24.5

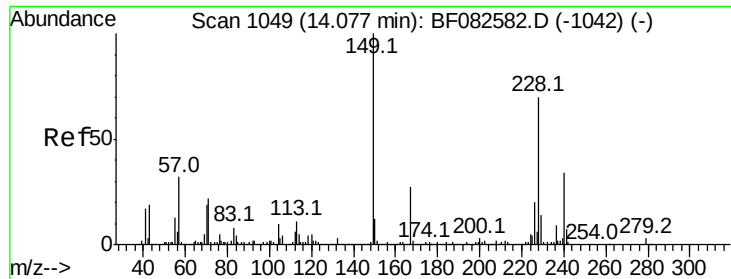


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

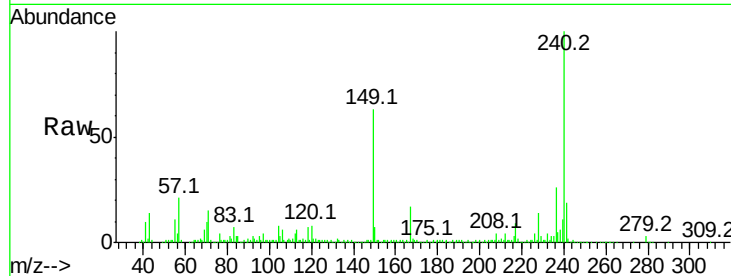




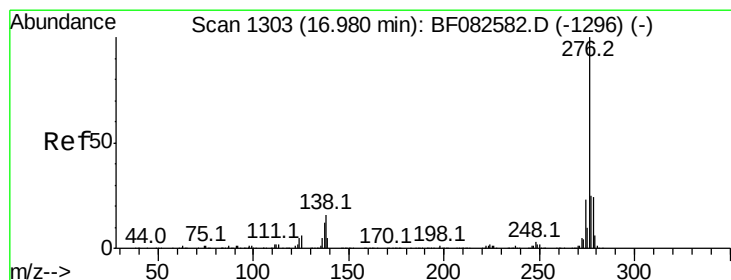
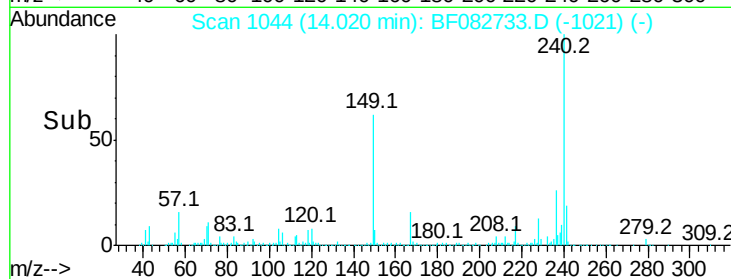
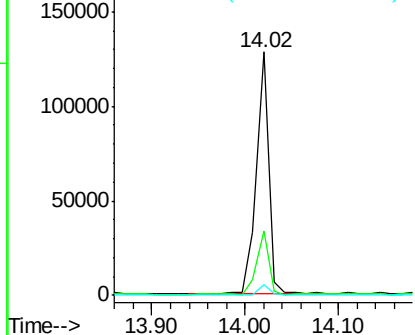
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 15.99 ng
 RT: 14.02 min Scan# 1044
 Delta R.T. -0.03 min
 Lab File: BF082733.D
 Acq: 5 Nov 2015 17:04

Instrument :
 BNA_F
 ClientSampleId :
 DW4

Tot Ion:149 Resp: 119243
 Ion Ratio Lower Upper
 149 100
 167 26.3 21.2 31.8
 279 4.4 2.2 3.2#

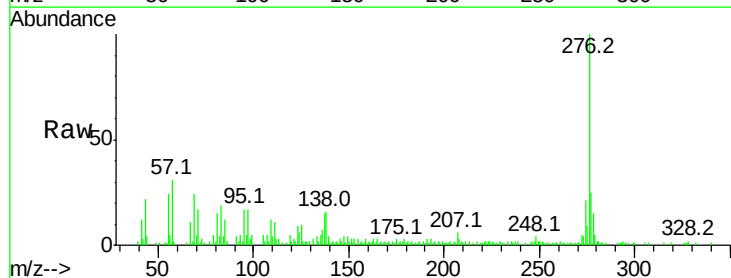


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

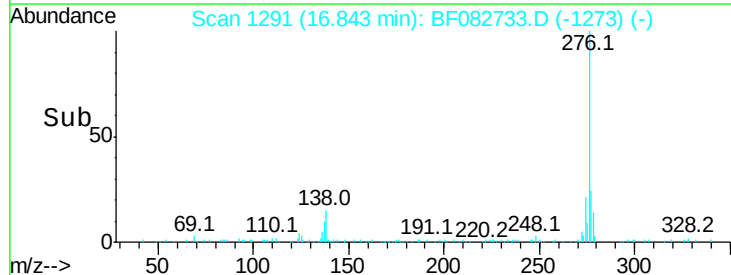
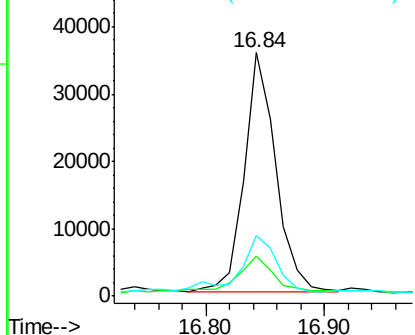


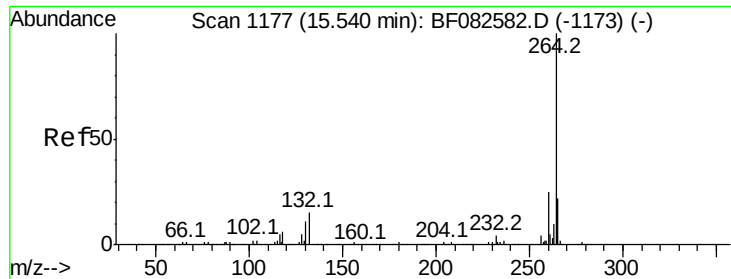
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.79 ng
 RT: 16.84 min Scan# 1291
 Delta R.T. -0.09 min
 Lab File: BF082733.D
 Acq: 5 Nov 2015 17:04

Tgt Ion:276 Resp: 65651
 Ion Ratio Lower Upper
 276 100
 138 16.8 15.3 22.9
 277 31.2 20.2 30.4#



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E



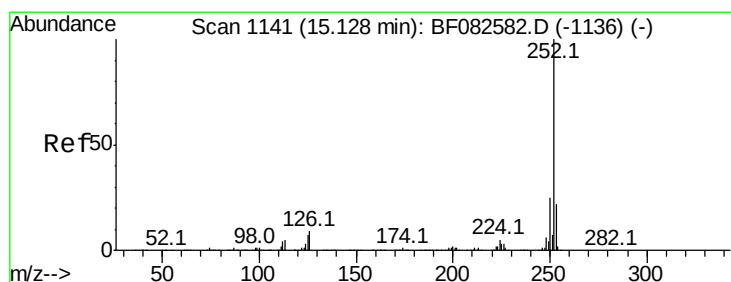
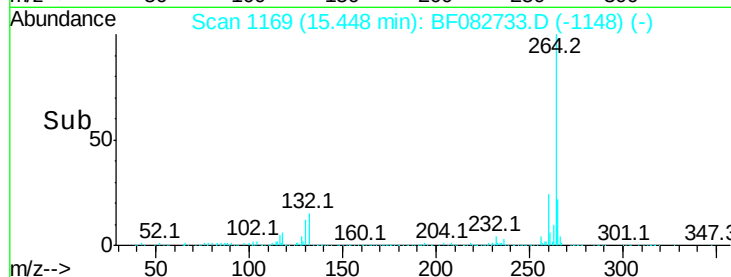
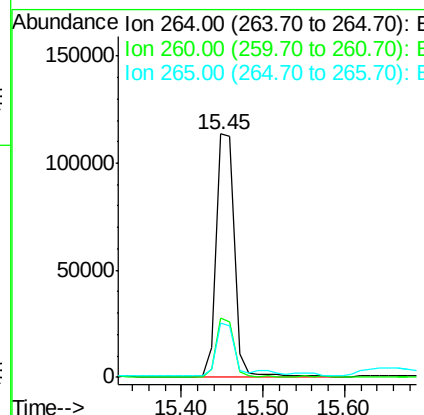
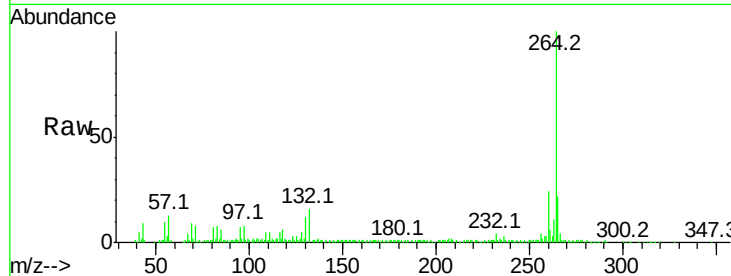


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. -0.06 min
Lab File: BF082733.D
Acq: 5 Nov 2015 17:04

Instrument :
BNA_F
ClientSampleId :
DW4

Tot Ion:264 Resp: 179746

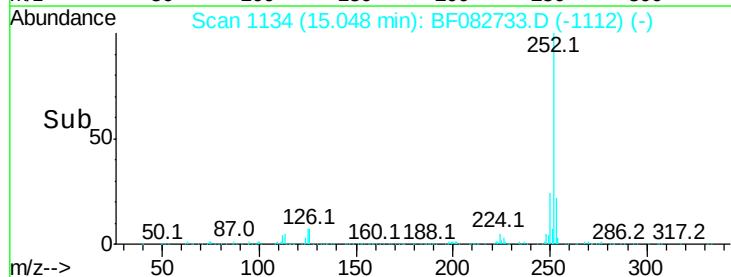
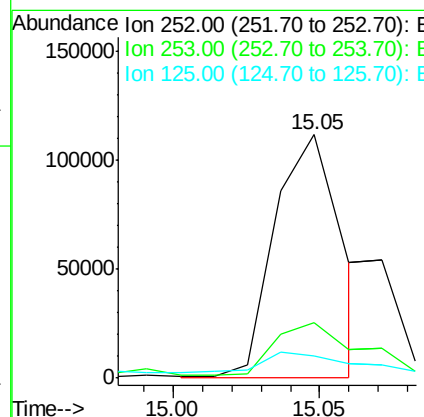
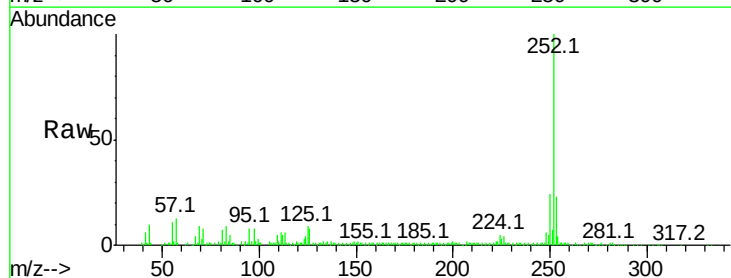
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.8	29.6
265	22.1	17.4	26.0

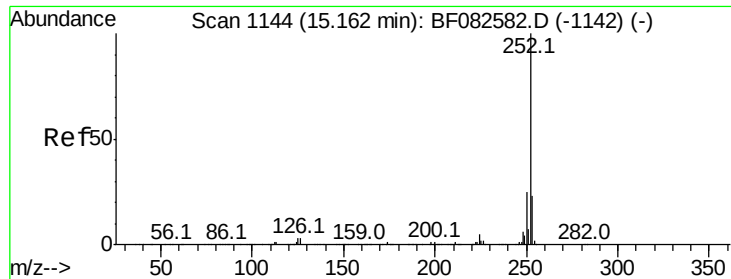


#87
Benzo(b)fluoranthene
Concen: 14.25 ng m
RT: 15.05 min Scan# 1134
Delta R.T. -0.05 min
Lab File: BF082733.D
Acq: 5 Nov 2015 17:04

Tgt Ion:252 Resp: 176635

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	9.3	5.4	8.2#

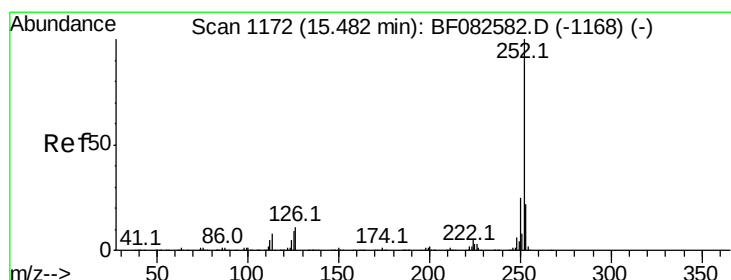
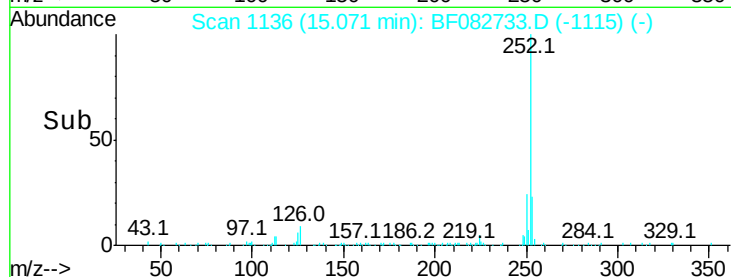
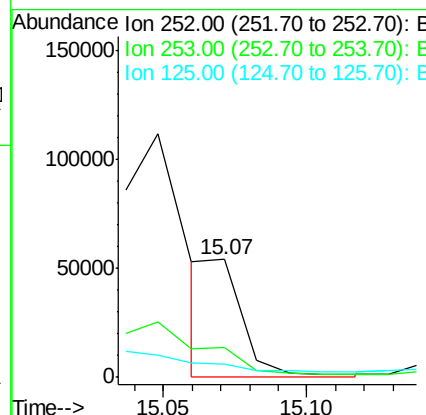
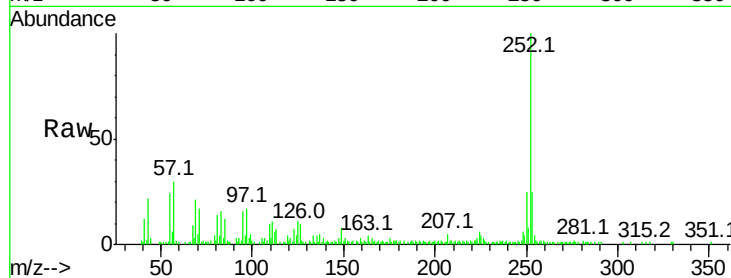




#88
Benzo(k)fluoranthene
Concen: 4.81 ng m
RT: 15.07 min Scan# 1136
Delta R.T. -0.06 min
Lab File: BF082733.D
Acq: 5 Nov 2015 17:04

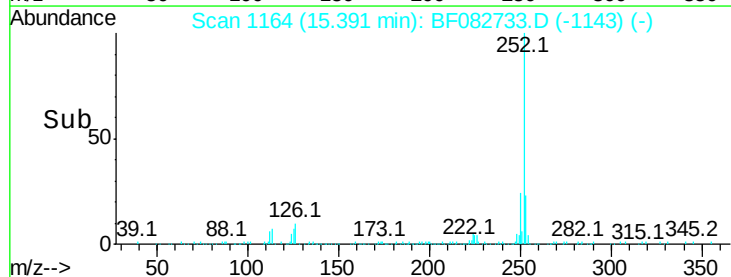
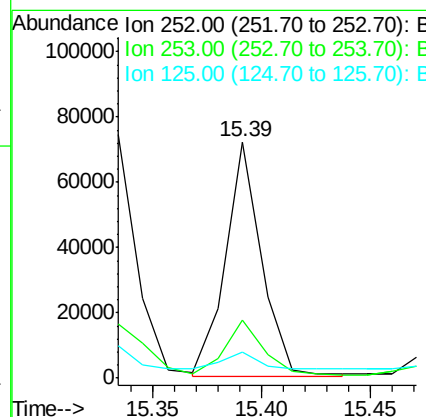
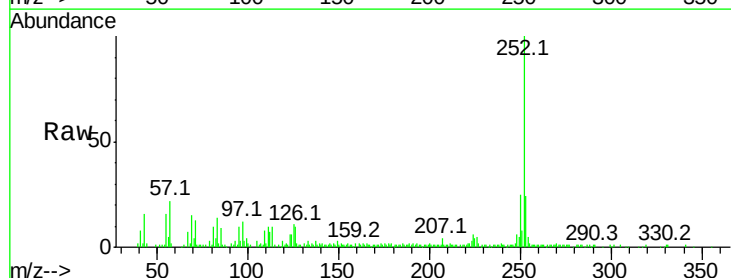
Instrument :
BNA_F
ClientSampleId :
DW4

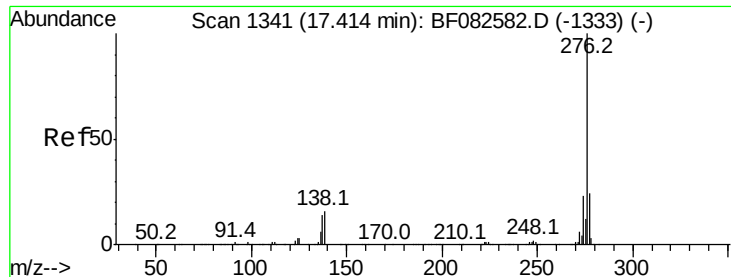
Tot Ion:252 Resp: 45387
Ion Ratio Lower Upper
252 100
253 25.0 17.9 26.9
125 11.3 3.5 5.3#



#89
Benzo(a)pyrene
Concen: 8.43 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.06 min
Lab File: BF082733.D
Acq: 5 Nov 2015 17:04

Tgt Ion:252 Resp: 82274
Ion Ratio Lower Upper
252 100
253 24.3 17.3 25.9
125 10.8 7.1 10.7#





#91

Benzo(a,h,i)perylene

Concen: 6.78 ng

RT: 17.27 min Scan# 1328

Delta R.T. -0.09 min

Lab File: BF082733.D

Acq: 5 Nov 2015 17:04

Instrument :

BNA_F

ClientSampleId :

DW4

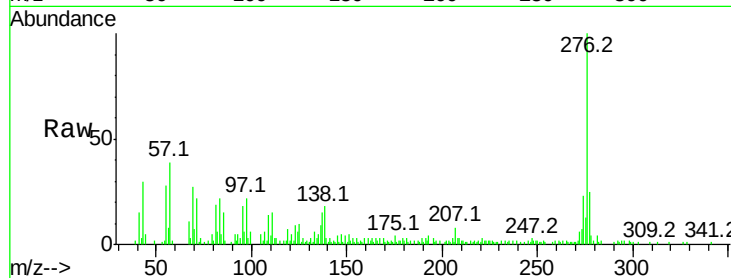
Tot Ion: 276 Resp: 59834

Ion Ratio Lower Upper

276 100

277 25.1 19.2 28.8

138 17.6 13.1 19.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

