

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072616\
 Data File : BF089309.D
 Acq On : 26 Jul 2016 13:04
 Operator : UM/SJ
 Sample : H4207-11
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-1

Quant Time: Jul 26 13:47:41 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 25 16:56:43 2016
 Response via : Initial Calibration

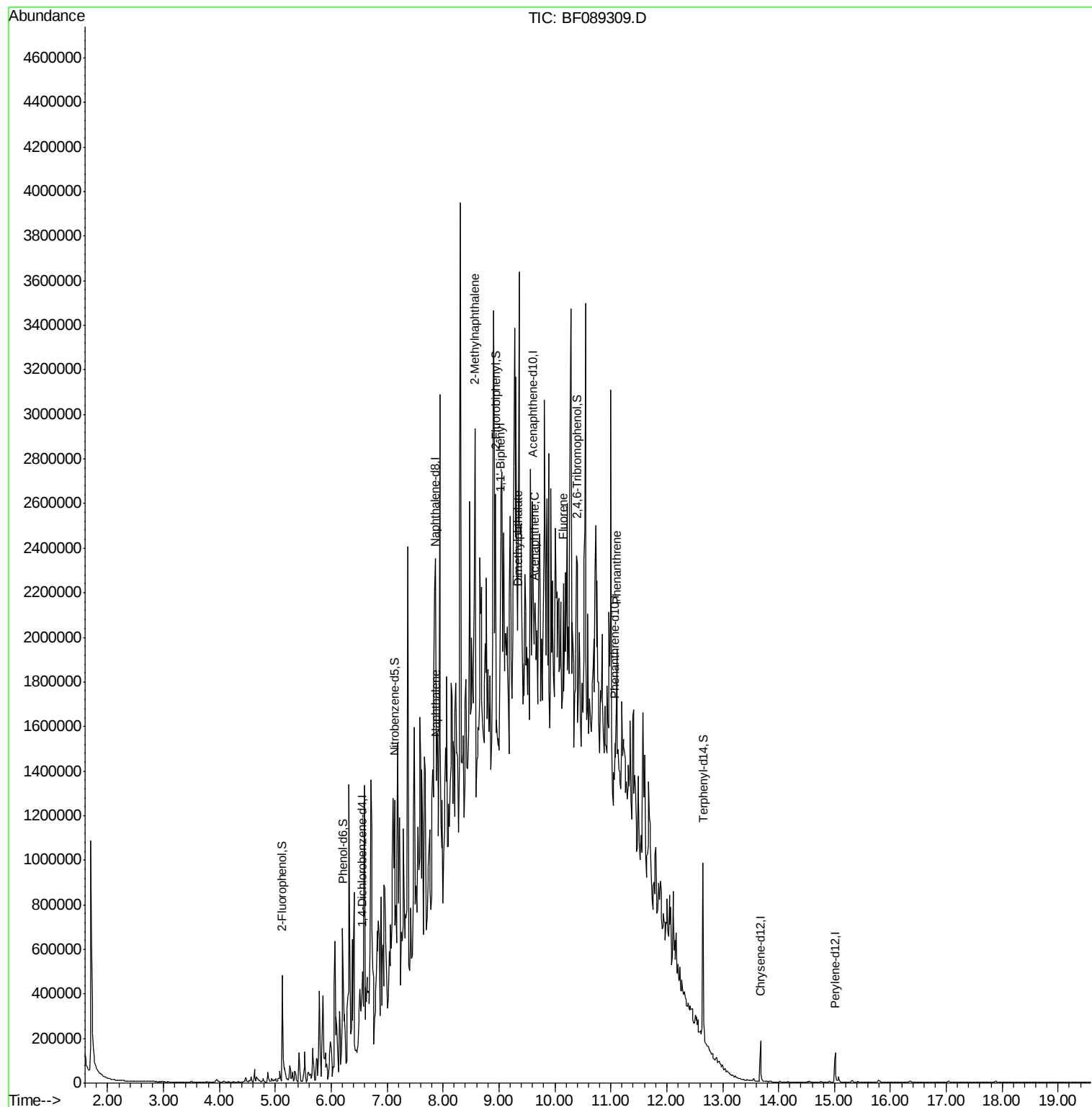
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	39296	20.00	ng	-0.01
21) Naphthalene-d8	7.85	136	153954	20.00	ng	0.00
38) Acenaphthene-d10	9.60	164	64663	20.00	ng	0.00
63) Phenanthrene-d10	11.07	188	120441	20.00	ng	0.00
75) Chrysene-d12	13.68	240	83773	20.00	ng	-0.01
86) Perylene-d12	15.02	264	72695	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	236929	91.70	ng	-0.02
7) Phenol-d6	6.20	99	227940	68.41	ng	-0.02
23) Nitrobenzene-d5	7.13	82	321309	110.89	ng	-0.01
41) 2,4,6-Tribromophenol	10.40	330	84958	145.93	ng	0.01
44) 2-Fluorobiphenyl	8.94	172	507419	108.12	ng	0.00
78) Terphenyl-d14	12.65	244	381432	98.76	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.87	128	201558	24.26	ng	# 89
37) 2-Methylnaphthalene	8.57	142	258582	48.80	ng	96
45) 1,1'-Biphenyl	9.03	154	51729	8.88	ng	89
49) Dimethylphthalate	9.34	163	24112	4.86	ng	# 59
51) Acenaphthene	9.63	154	44115	10.72	ng	# 85
57) Fluorene	10.15	166	110201	23.35	ng	# 84
70) Phenanthrene	11.11	178	341557	51.70	ng	# 94

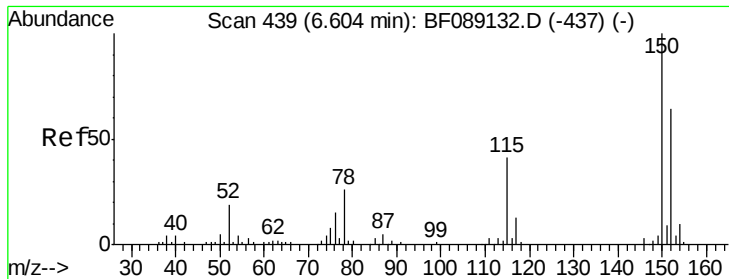
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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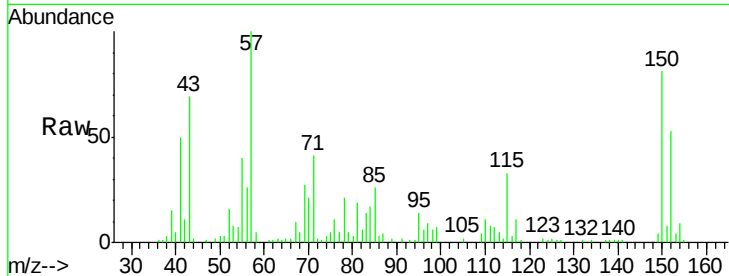


#1

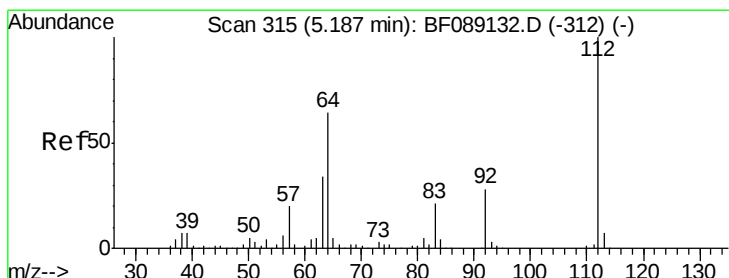
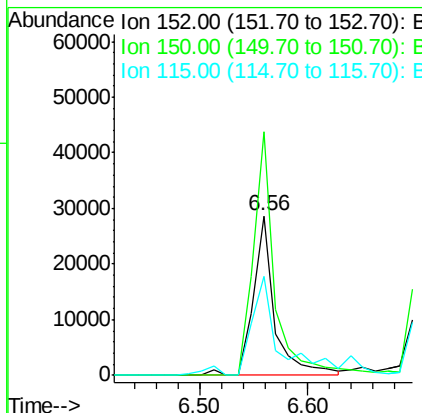
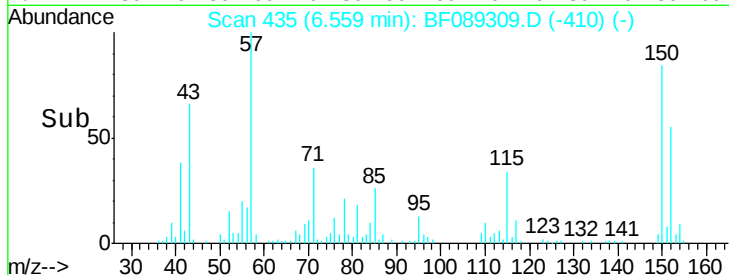
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.56 min Scan# 435
Delta R.T. -0.01 min
Lab File: BF089309.D
Acq: 26 Jul 2016 13:04

Instrument :
BNA_F
ClientSampled :
GW-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.4	125.1	187.7
115	62.2	51.1	76.7



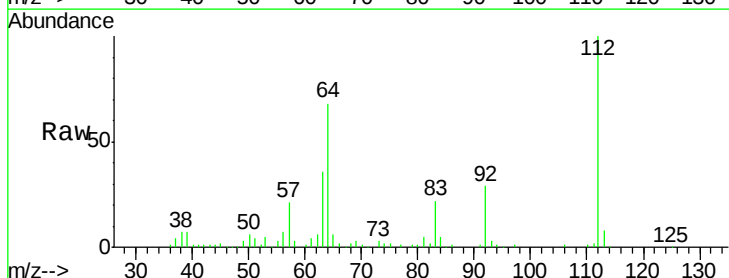
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



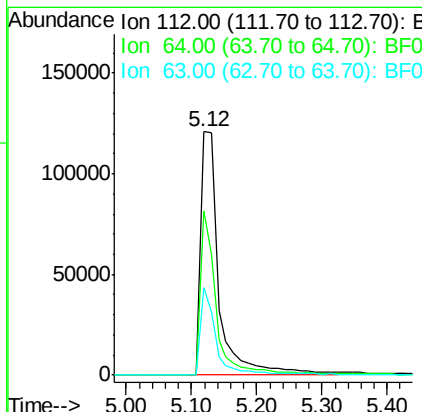
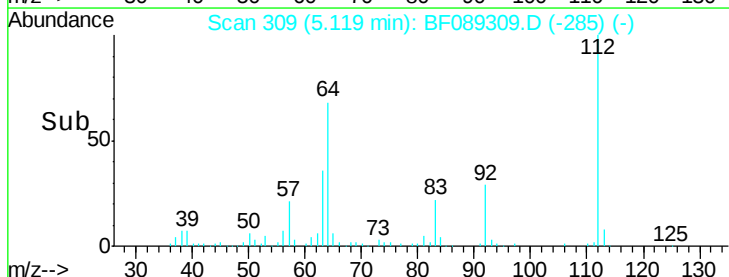
#5

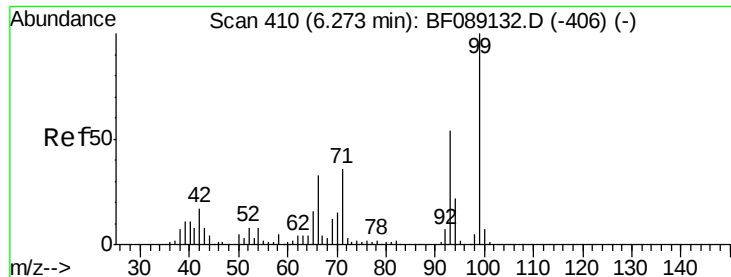
2-Fluorophenol
Concen: 91.70 ng
RT: 5.12 min Scan# 309
Delta R.T. -0.02 min
Lab File: BF089309.D
Acq: 26 Jul 2016 13:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.6	51.0	76.4
63	36.1	27.3	40.9



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: 68.41 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.02 min

Lab File: BF089309.D

Acq: 26 Jul 2016 13:04

Instrument :

BNA_F

ClientSampleId :

GW-1

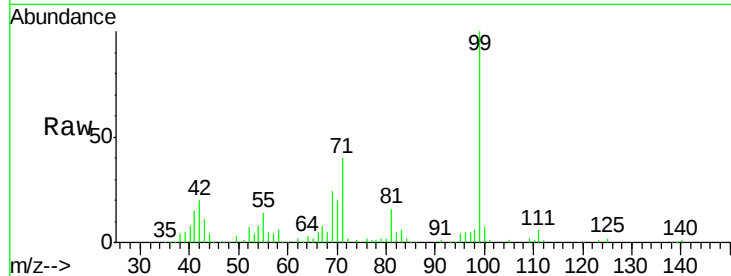
Tot Ion: 99 Resp: 227940

Ion Ratio Lower Upper

99 100

42 19.6 13.5 20.3

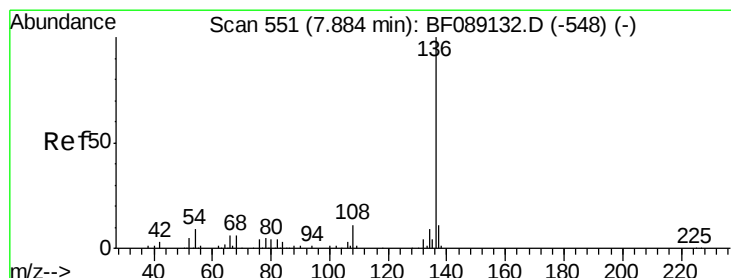
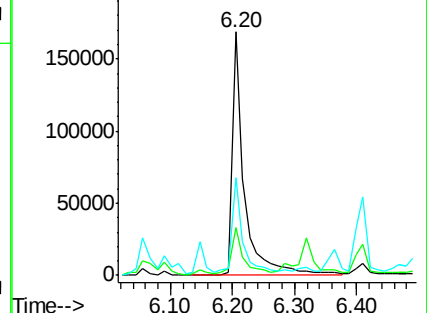
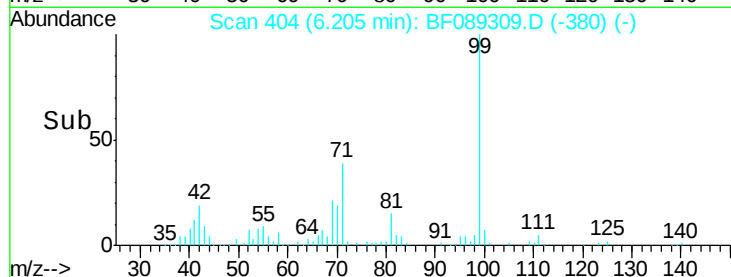
71 40.2 28.9 43.3



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: 7.85 min Scan# 548

Delta R.T. 0.00 min

Lab File: BF089309.D

Acq: 26 Jul 2016 13:04

Tgt Ion: 136 Resp: 153954

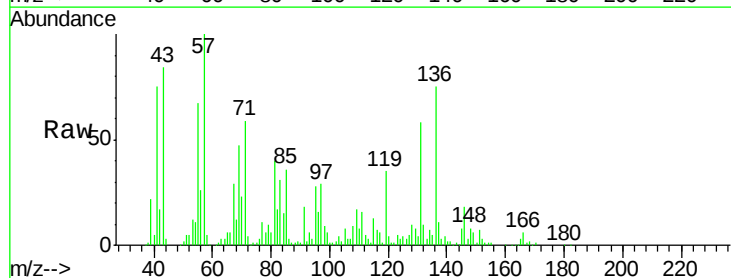
Ion Ratio Lower Upper

136 100

137 14.5 8.8 13.2#

54 15.0 7.0 10.4#

68 16.4 5.0 7.6#

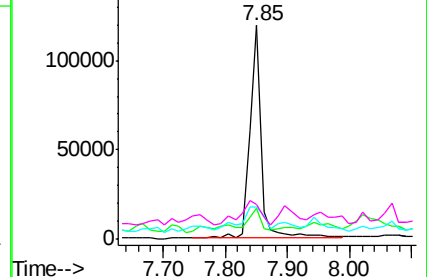
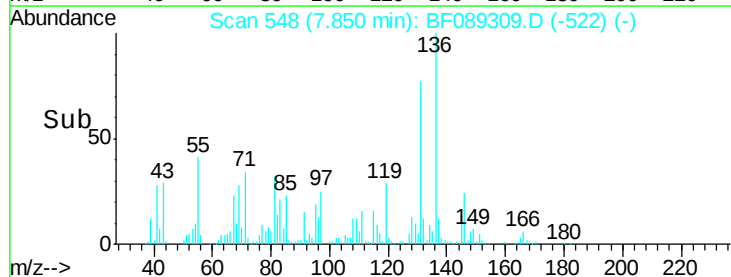


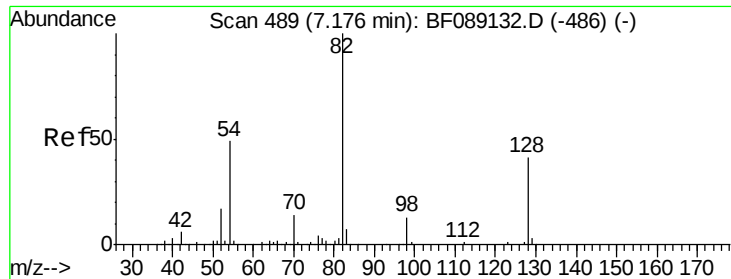
Abundance Ion 136.00 (135.70 to 136.70): E

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

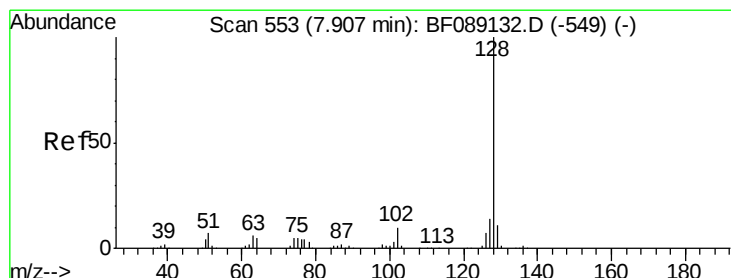
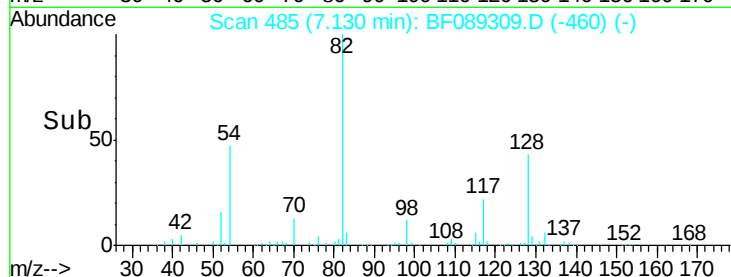
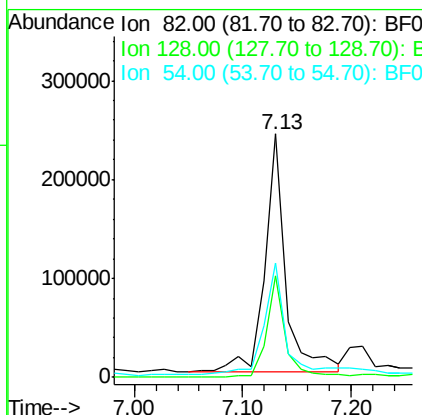
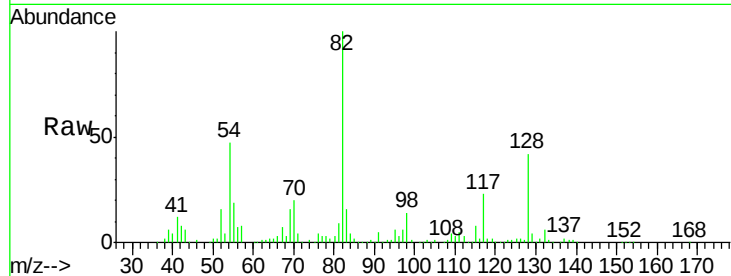




#23
Nitrobenzene-d5
Concen: 110.89 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.01 min
Lab File: BF089309.D
Acq: 26 Jul 2016 13:04

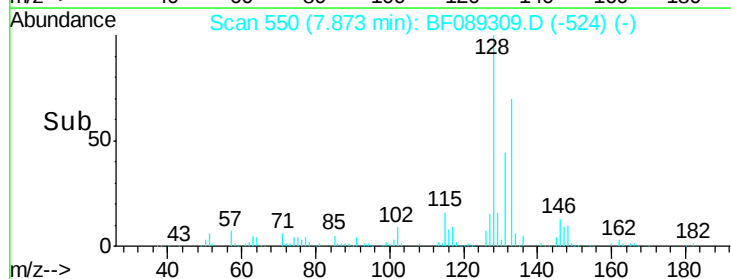
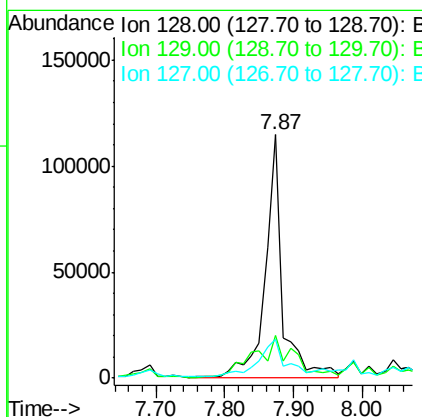
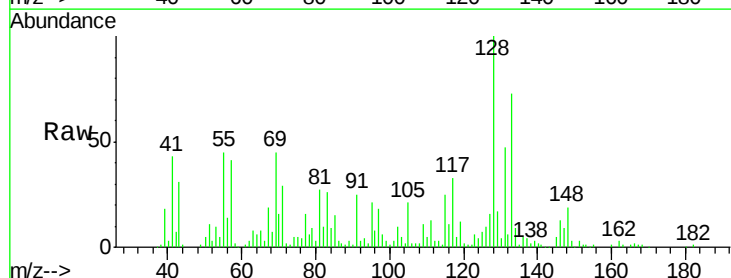
Instrument :
BNA_F
ClientSampleId :
GW-1

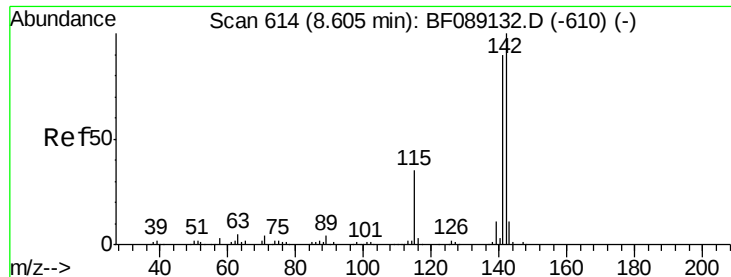
Tot Ion	82	Resp	321309
Ion Ratio	Lower	Upper	
82	100		
128	41.6	33.0	49.6
54	47.0	39.0	58.4



#31
Naphthalene
Concen: 24.26 ng
RT: 7.87 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF089309.D
Acq: 26 Jul 2016 13:04

Tgt Ion	128	Resp	201558
Ion Ratio	Lower	Upper	
128	100		
129	17.5	8.9	13.3#
127	16.2	10.8	16.2

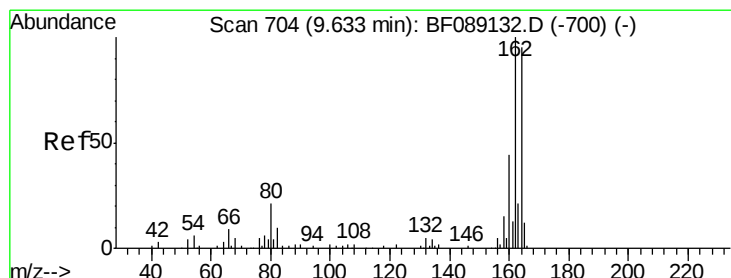
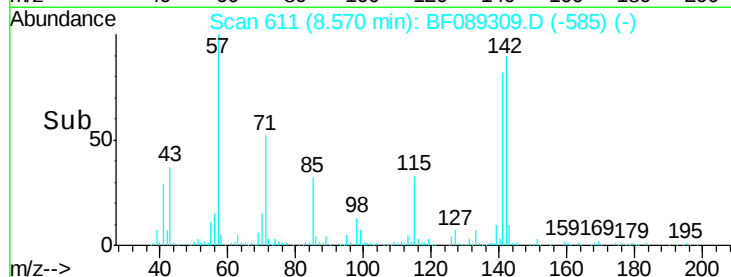
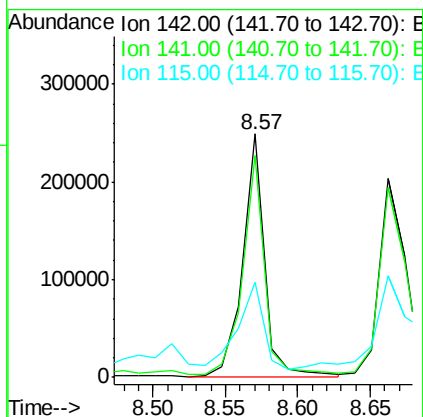
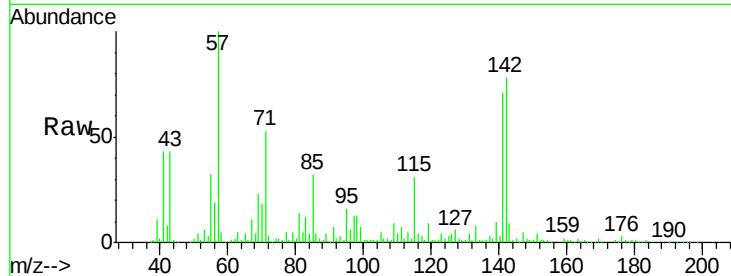




#37
2-Methylnaphthalene
Concen: 48.80 ng
RT: 8.57 min Scan# 611
Delta R.T. 0.00 min
Lab File: BF089309.D
Acq: 26 Jul 2016 13:04

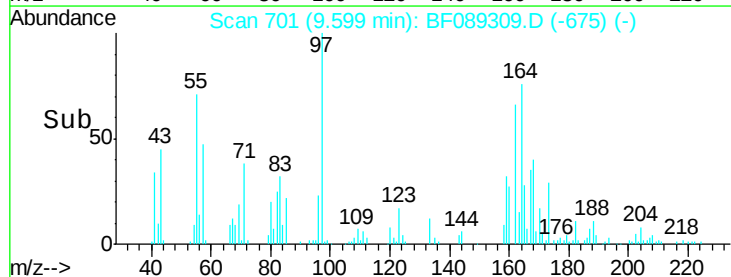
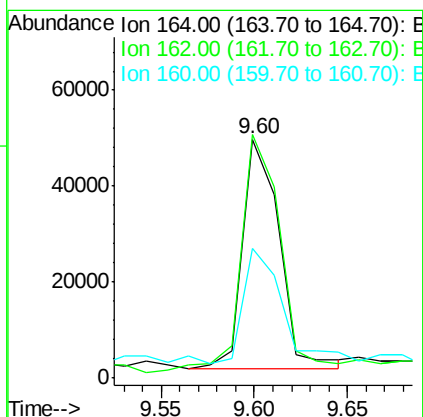
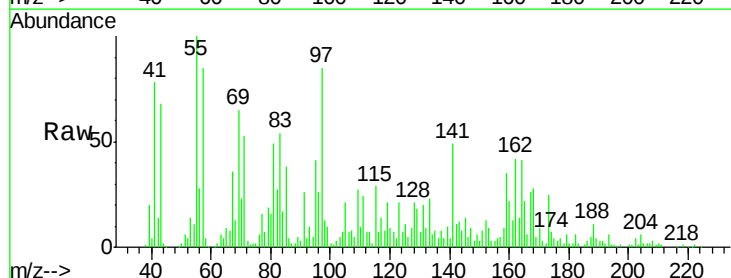
Instrument :
BNA_F
ClientSampleId :
GW-1

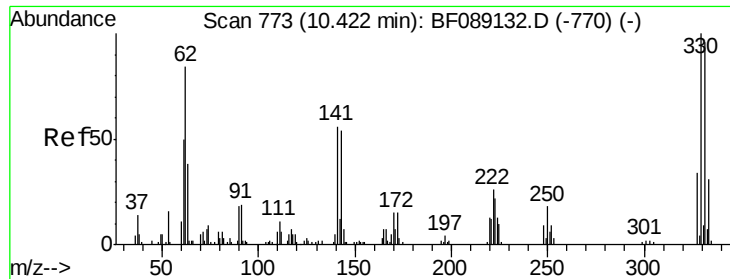
Tot Ion:142 Resp: 258582
Ion Ratio Lower Upper
142 100
141 91.2 71.6 107.4
115 39.2 27.6 41.4



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.60 min Scan# 701
Delta R.T. 0.00 min
Lab File: BF089309.D
Acq: 26 Jul 2016 13:04

Tgt Ion:164 Resp: 64663
Ion Ratio Lower Upper
164 100
162 101.9 84.1 126.1
160 54.2 37.1 55.7

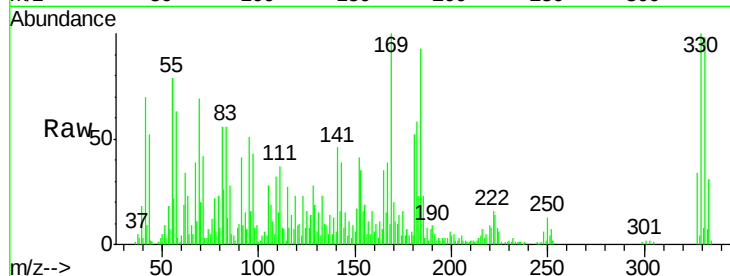




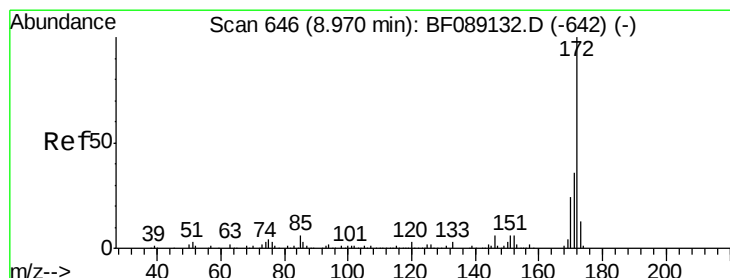
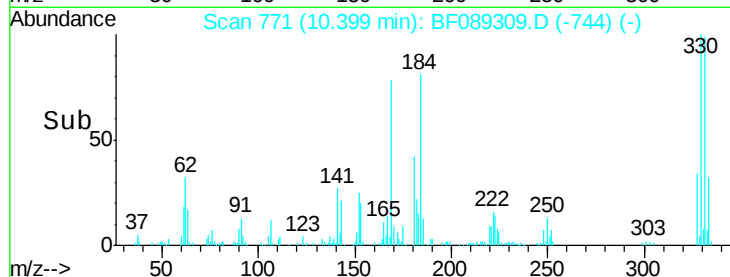
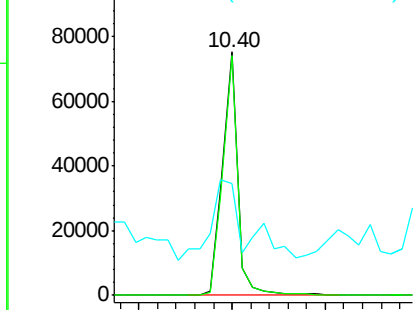
#41
 2,4,6-Tribromophenol
 Concen: 145.93 ng
 RT: 10.40 min Scan# 771
 Delta R.T. 0.01 min
 Lab File: BF089309.D
 Acq: 26 Jul 2016 13:04

Instrument :
 BNA_F
 ClientSampleId :
 GW-1

Tot Ion:330 Resp: 84958
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.2 115.8
 141 58.0 42.2 63.2

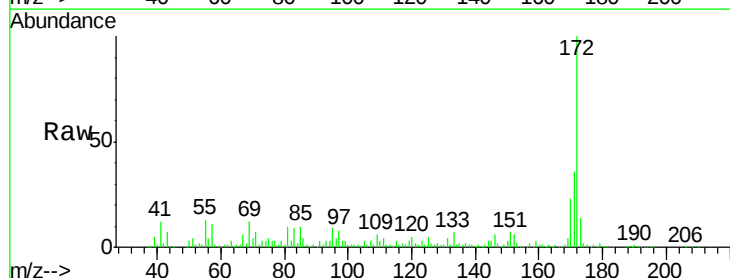


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

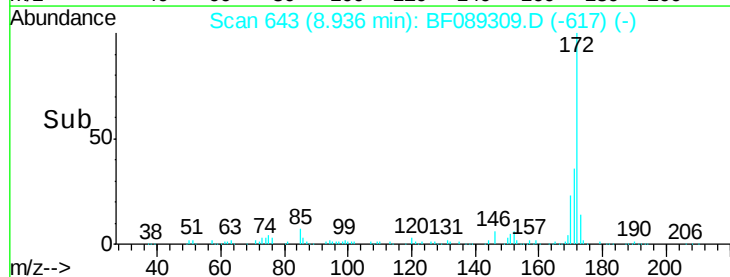
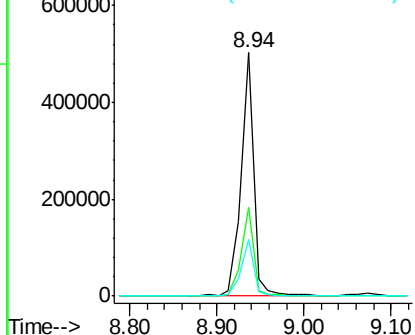


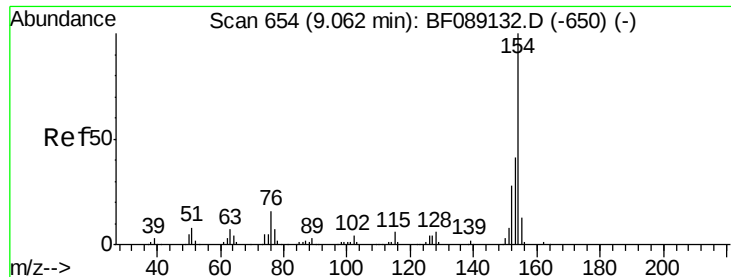
#44
 2-Fluorobiphenyl
 Concen: 108.12 ng
 RT: 8.94 min Scan# 643
 Delta R.T. 0.00 min
 Lab File: BF089309.D
 Acq: 26 Jul 2016 13:04

Tgt Ion:172 Resp: 507419
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.2 43.8
 170 23.4 19.1 28.7



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





#45

1,1'-Biphenyl

Concen: 8.88 ng

RT: 9.03 min Scan# 651

Delta R.T. 0.00 min

Lab File: BF089309.D

Acq: 26 Jul 2016 13:04

Instrument :

BNA_F

ClientSampled :

GW-1

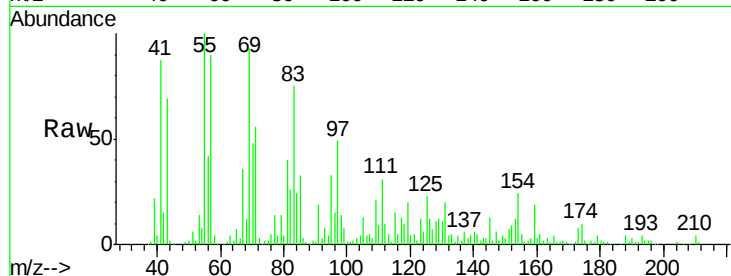
Tot Ion:154 Resp: 51729

Ion Ratio Lower Upper

154 100

153 48.5 21.1 61.1

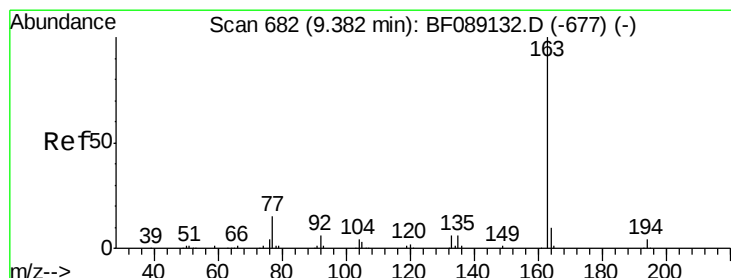
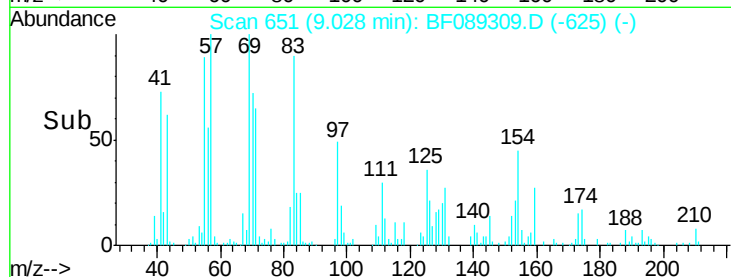
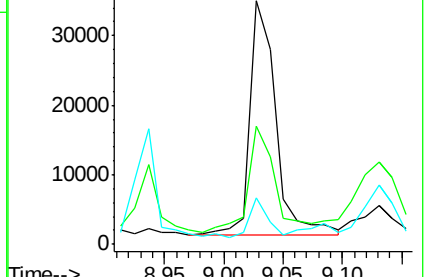
76 19.0 0.0 35.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 4.86 ng

RT: 9.34 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF089309.D

Acq: 26 Jul 2016 13:04

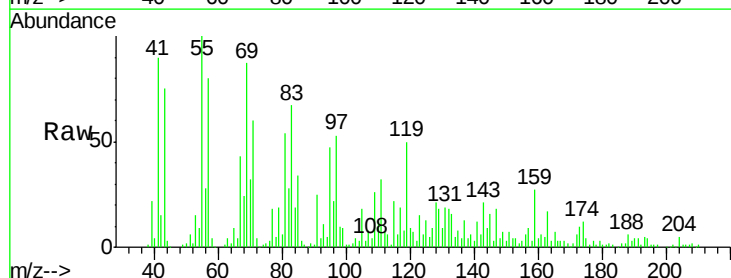
Tgt Ion:163 Resp: 24112

Ion Ratio Lower Upper

163 100

194 25.4 2.9 4.3#

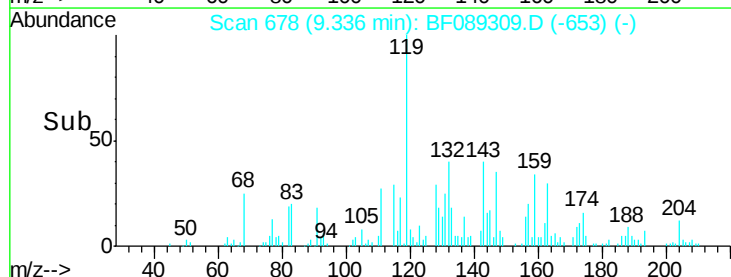
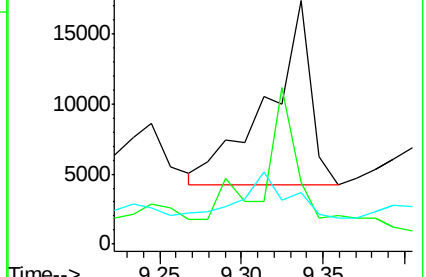
164 21.0 7.6 11.4#

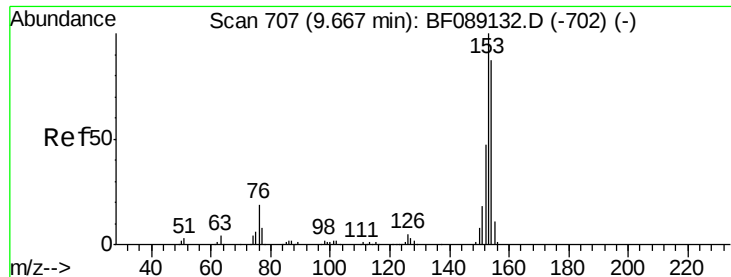


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 10.72 ng

RT: 9.63 min Scan# 704

Delta R.T. 0.00 min

Lab File: BF089309.D

Acq: 26 Jul 2016 13:04

Instrument :

BNA_F

ClientSampleId :

GW-1

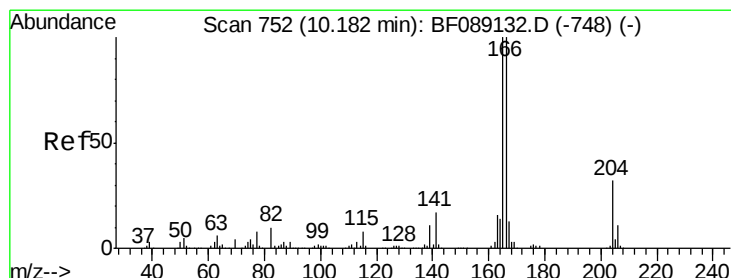
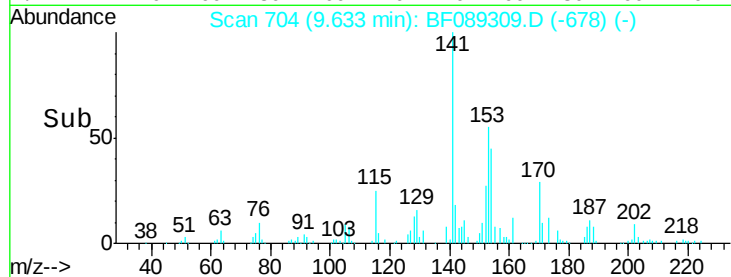
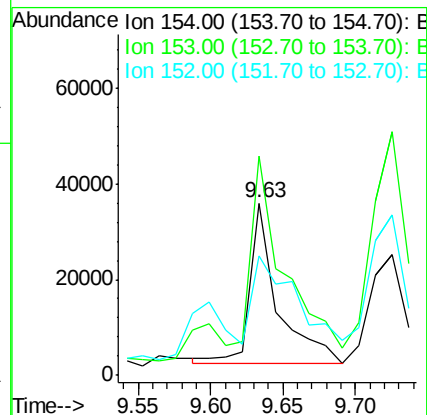
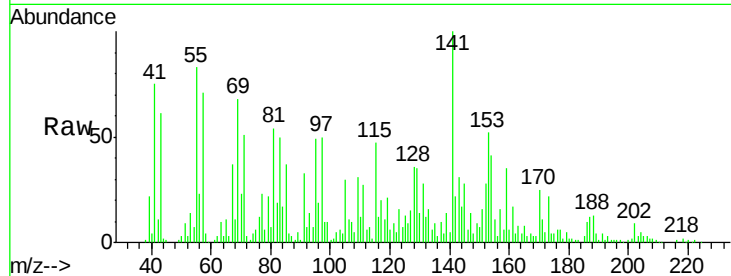
Tot Ion:154 Resp: 44115

Ion Ratio Lower Upper

154 100

153 127.2 91.9 137.9

152 69.5 42.8 64.2#



#57

Fluorene

Concen: 23.35 ng

RT: 10.15 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF089309.D

Acq: 26 Jul 2016 13:04

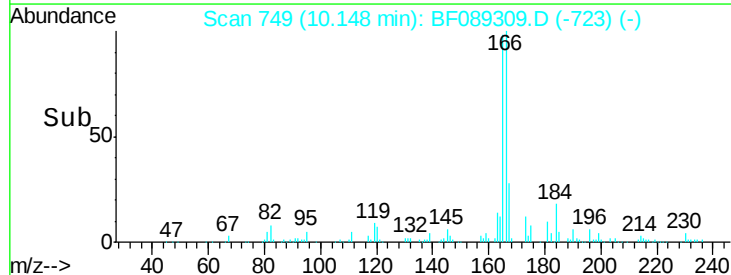
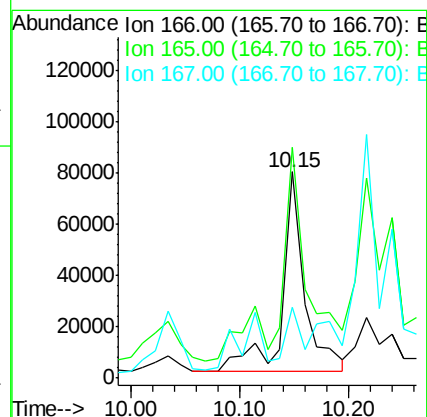
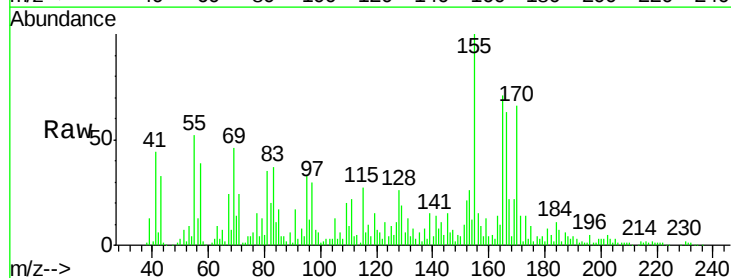
Tgt Ion:166 Resp: 110201

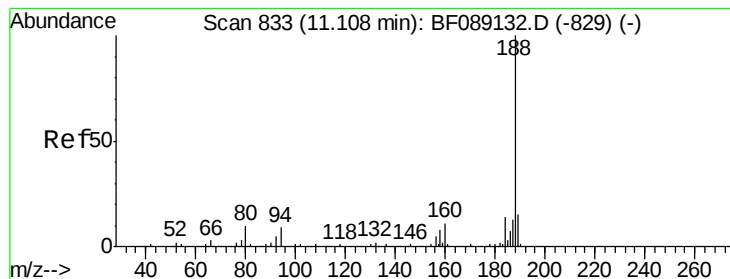
Ion Ratio Lower Upper

166 100

165 111.6 79.9 119.9

167 34.2 10.7 16.1#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.07 min Scan# 830

Delta R.T. 0.00 min

Lab File: BF089309.D

Acq: 26 Jul 2016 13:04

Instrument :

BNA_F

ClientSampleId :

GW-1

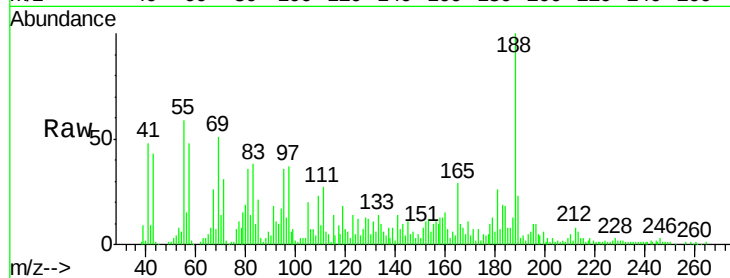
Tot Ion:188 Resp: 120441

Ion Ratio Lower Upper

188 100

94 16.9 7.0 10.4#

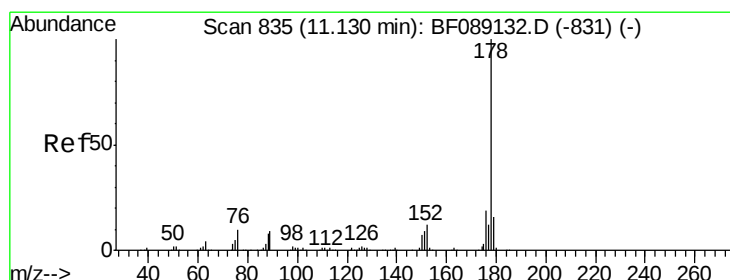
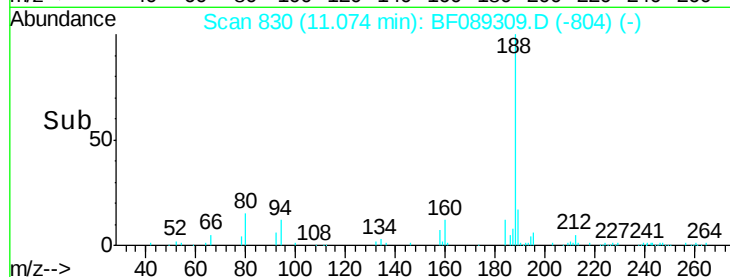
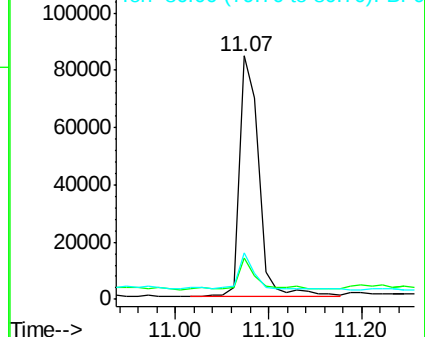
80 19.0 7.7 11.5#



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: 51.70 ng

RT: 11.11 min Scan# 833

Delta R.T. 0.01 min

Lab File: BF089309.D

Acq: 26 Jul 2016 13:04

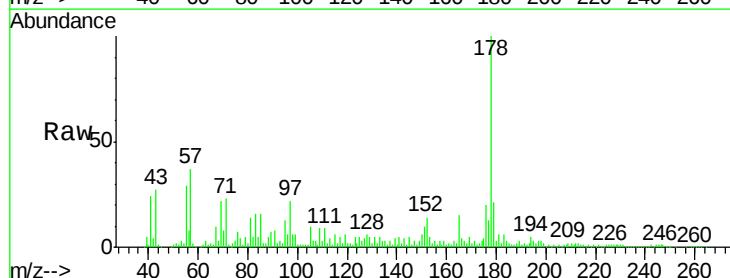
Tgt Ion:178 Resp: 341557

Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

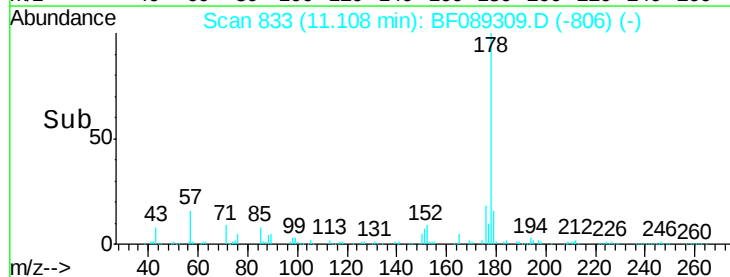
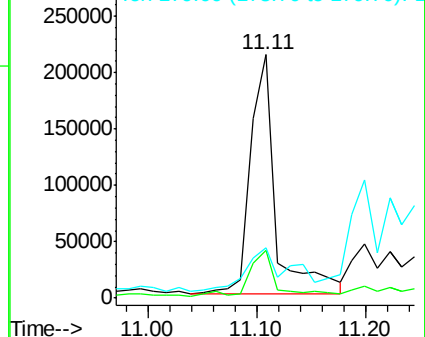
179 20.7 12.4 18.6#

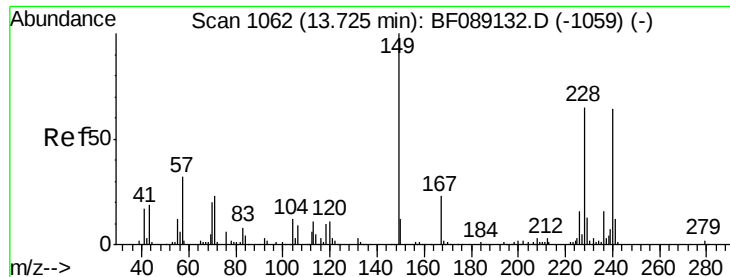


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.68 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF089309.D

Acq: 26 Jul 2016 13:04

Instrument :

BNA_F

ClientSampleId :

GW-1

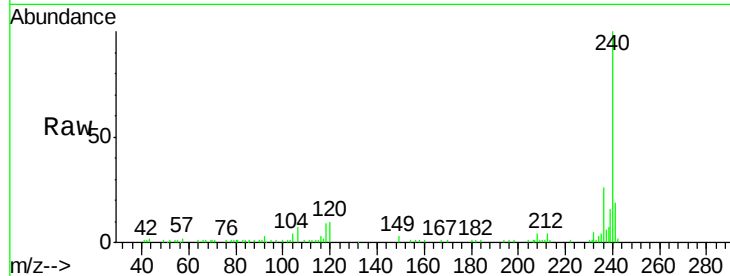
Tot Ion:240 Resp: 83773

Ion Ratio Lower Upper

240 100

120 10.3 13.6 20.4#

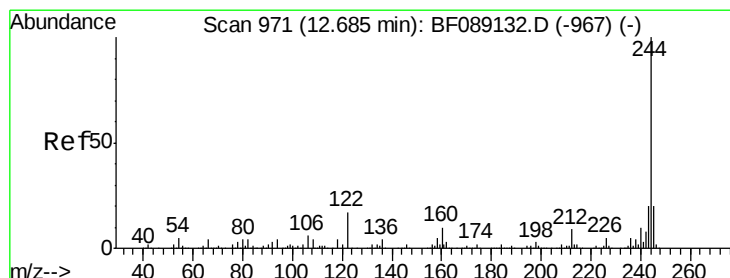
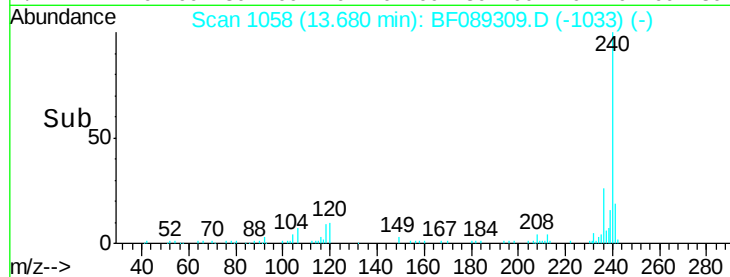
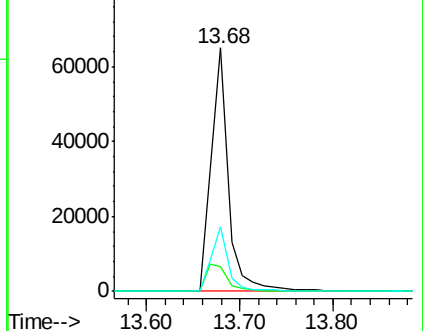
236 26.4 20.5 30.7



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



#78

Terphenyl-d14

Concen: 98.76 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF089309.D

Acq: 26 Jul 2016 13:04

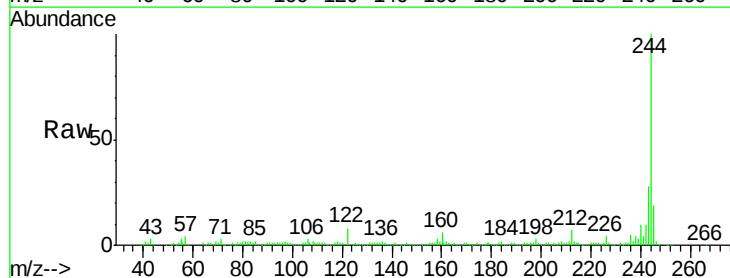
Tgt Ion:244 Resp: 381432

Ion Ratio Lower Upper

244 100

212 7.0 7.0 10.4

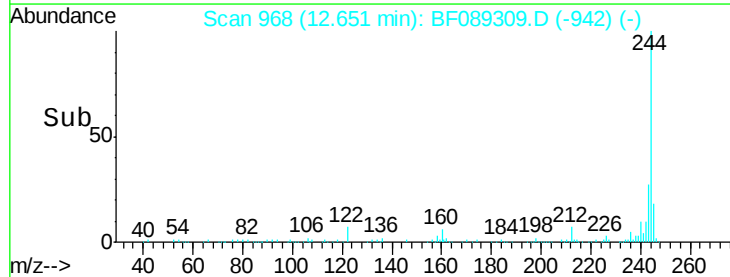
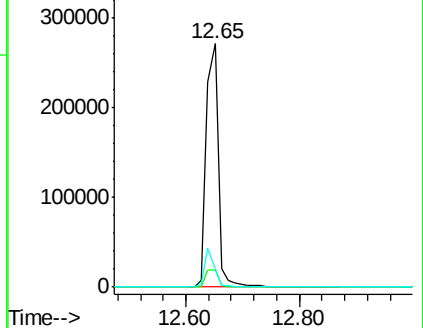
122 7.7 13.8 20.8#

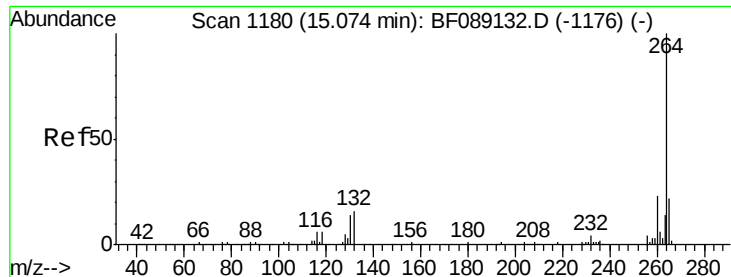


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

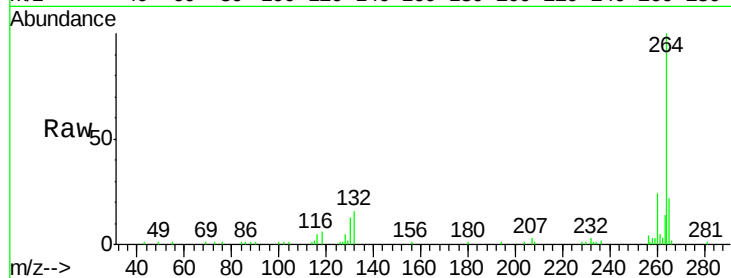




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF089309.D
Acq: 26 Jul 2016 13:04

Instrument :
BNA_F
ClientSampleId :
GW-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.5	27.7
265	21.6	17.3	25.9



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

