

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
 Data File : BF090260.D
 Acq On : 27 Sep 2016 19:05
 Operator : UM/SJ
 Sample : H4933-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B4B-7.5-8-BGS

Quant Time: Sep 28 10:56:05 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 26 15:58:38 2016
 Response via : Initial Calibration

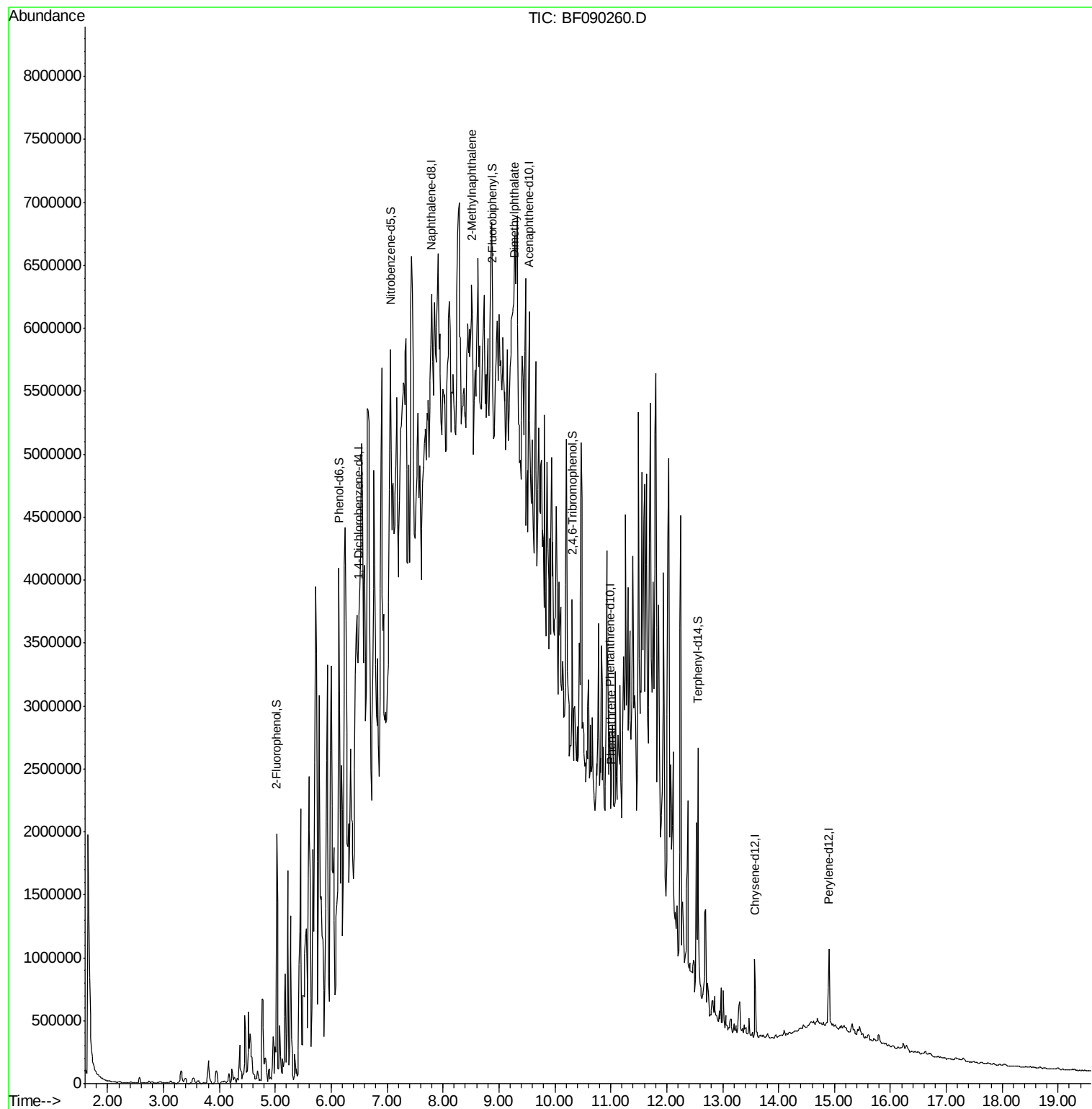
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	116219	20.00	ng	0.01
21) Naphthalene-d8	7.79	136	245542	20.00	ng	0.02
38) Acenaphthene-d10	9.54	164	127918	20.00	ng	0.03
63) Phenanthrene-d10	10.98	188	320272	20.00	ng	0.00
75) Chrysene-d12	13.58	240	277216	20.00	ng	-0.02
86) Perylene-d12	14.90	264	267983	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	902062	126.52	ng	0.00
7) Phenol-d6	6.14	99	925666	105.12	ng	0.00
23) Nitrobenzene-d5	7.06	82	436017	102.94	ng	0.00
41) 2,4,6-Tribromophenol	10.31	330	187768	171.10	ng	0.01
44) 2-Fluorobiphenyl	8.88	172	324399	49.79	ng	0.02
78) Terphenyl-d14	12.56	244	638142	58.44	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.51	142	312753	43.02	ng	# 87
49) Dimethylphthalate	9.27	163	191749	23.53	ng	# 57
70) Phenanthrene	11.00	178	101124	6.75	ng	# 92

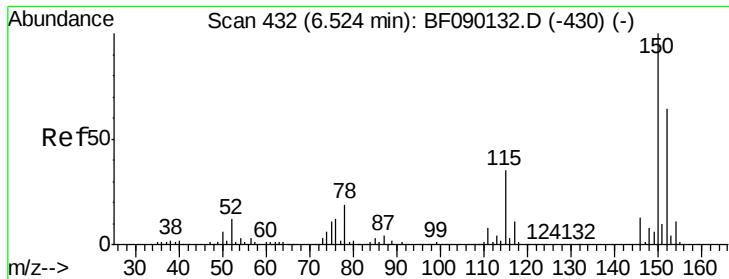
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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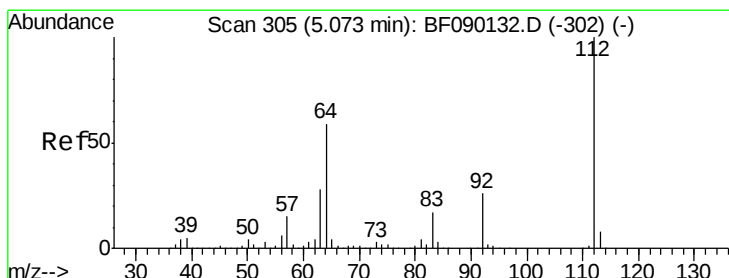
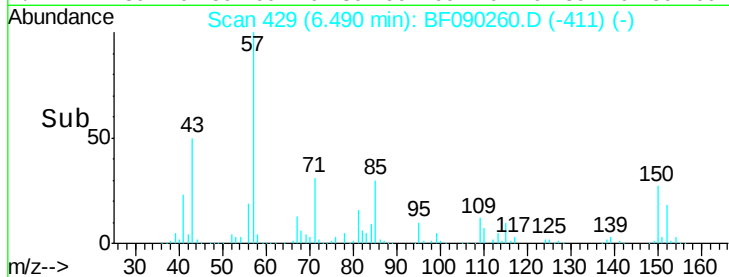
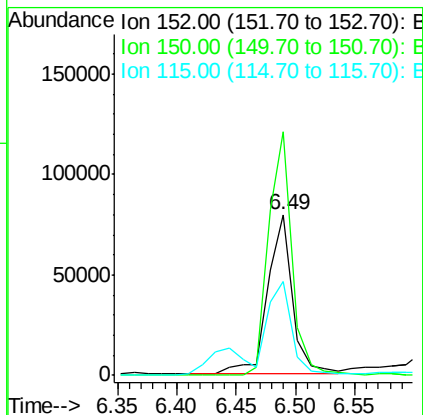
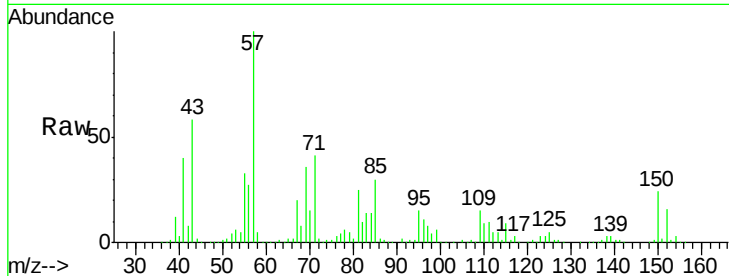


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.49 min Scan# 429
Delta R.T. 0.01 min
Lab File: BF090260.D
Acq: 27 Sep 2016 19:05

Instrument :
BNA_F
ClientSampleId :
B4B-7.5-8-BGS

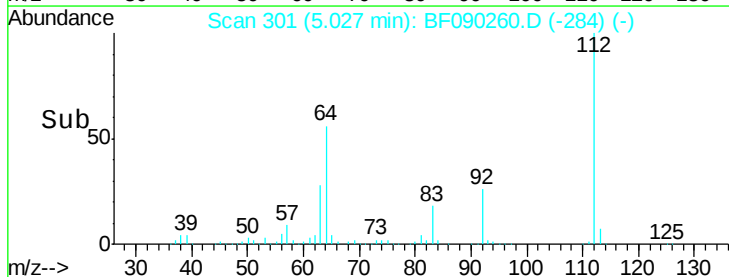
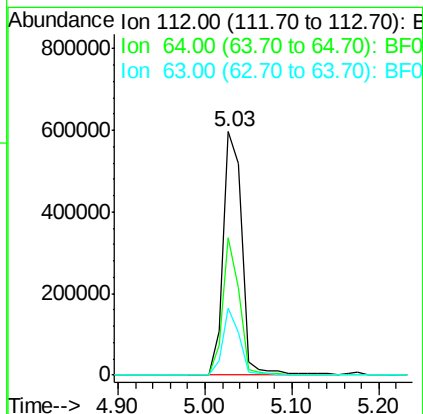
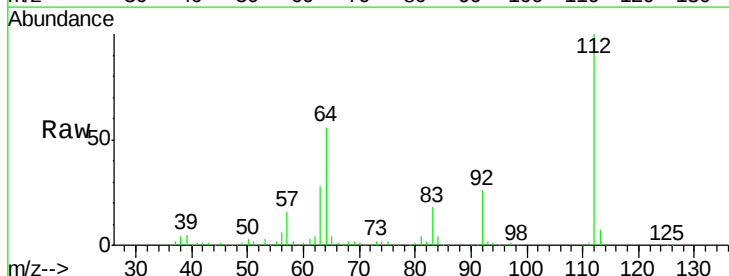
Tot Ion:152 Resp: 116219
Ion Ratio Lower Upper
152 100
150 151.4 128.9 193.3
115 58.1 55.5 83.3



#5

2-Fluorophenol
Concen: 126.52 ng
RT: 5.03 min Scan# 301
Delta R.T. -0.00 min
Lab File: BF090260.D
Acq: 27 Sep 2016 19:05

Tgt Ion:112 Resp: 902062
Ion Ratio Lower Upper
112 100
64 56.3 39.8 59.6
63 27.5 18.9 28.3





#7

Phenol-d6

Concen: 105.12 ng

RT: 6.14 min Scan# 398

Delta R.T. -0.00 min

Lab File: BF090260.D

Acq: 27 Sep 2016 19:05

Instrument :

BNA_F

ClientSampleId :

B4B-7.5-8-BGS

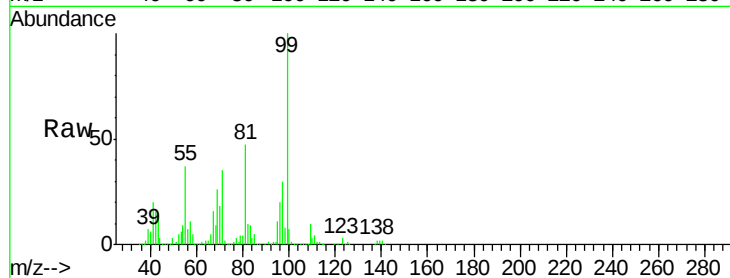
Tot Ion: 99 Resp: 925666

Ion Ratio Lower Upper

99 100

42 15.5 10.6 15.8

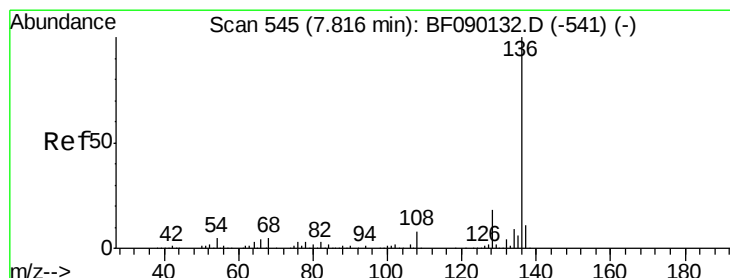
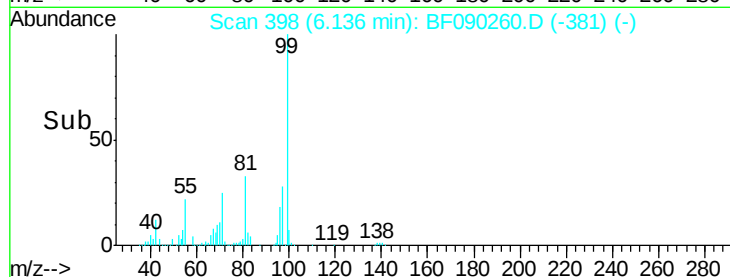
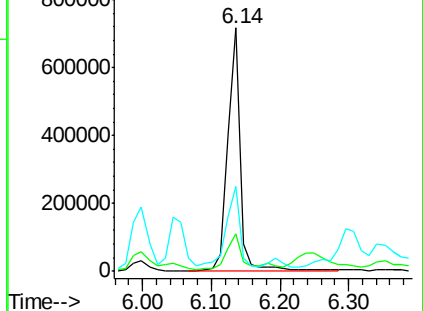
71 34.8 23.0 34.6#



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: 7.79 min Scan# 543

Delta R.T. 0.02 min

Lab File: BF090260.D

Acq: 27 Sep 2016 19:05

Tgt Ion: 136 Resp: 245542

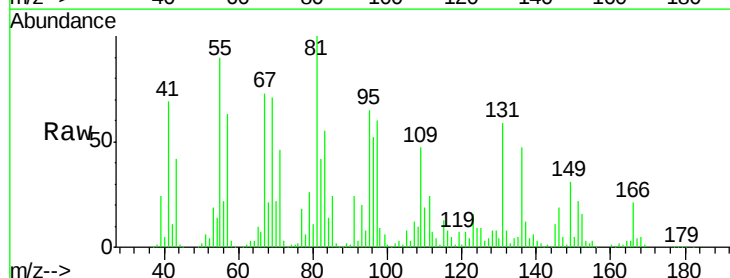
Ion Ratio Lower Upper

136 100

137 25.1 9.0 13.4#

54 30.6 6.4 9.6#

68 45.4 6.3 9.5#

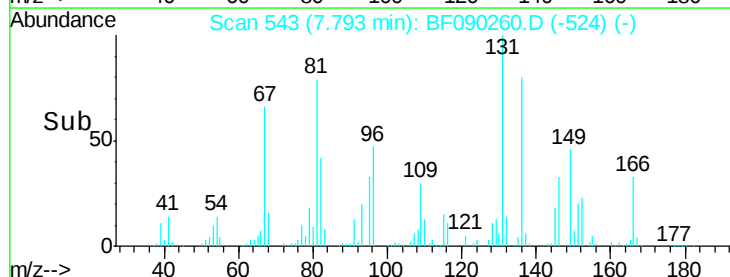
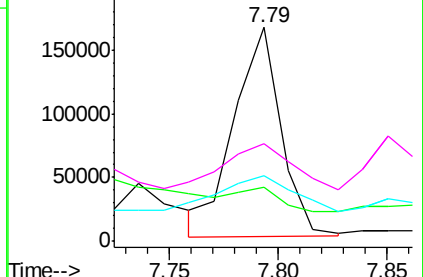


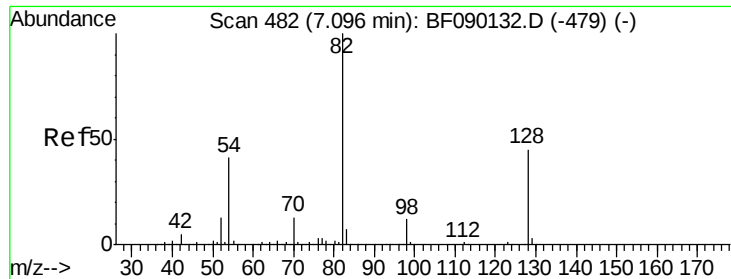
Abundance Ion 136.00 (135.70 to 136.70): E

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

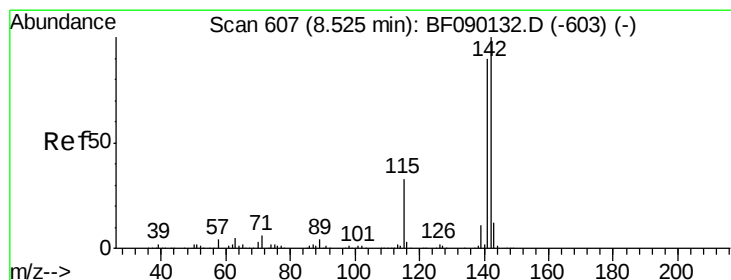
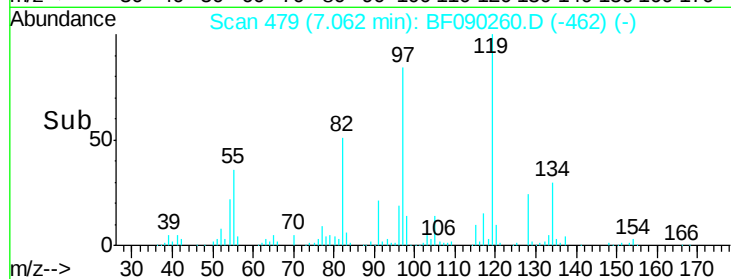
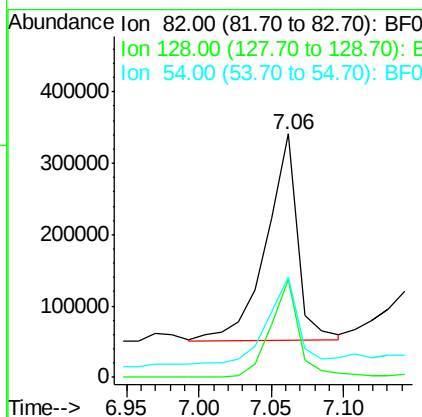
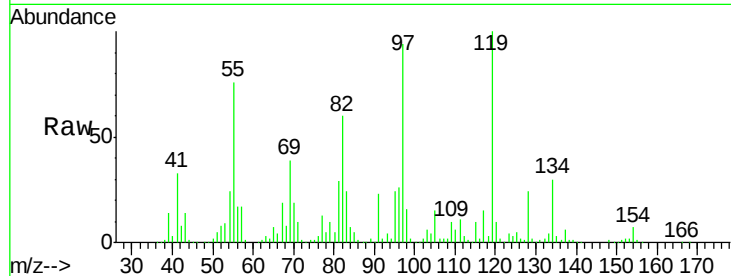




#23
 Nitrobenzene-d5
 Concen: 102.94 ng
 RT: 7.06 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: BF090260.D
 Acq: 27 Sep 2016 19:05

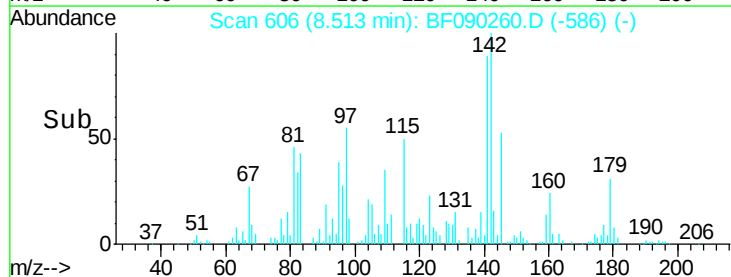
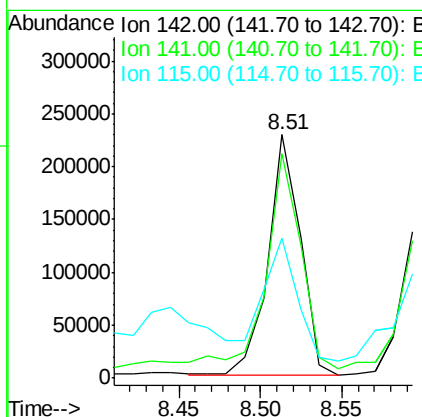
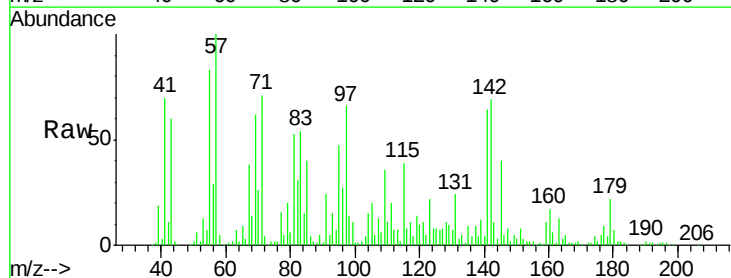
Instrument :
 BNA_F
 ClientSampleId :
 B4B-7.5-8-BGS

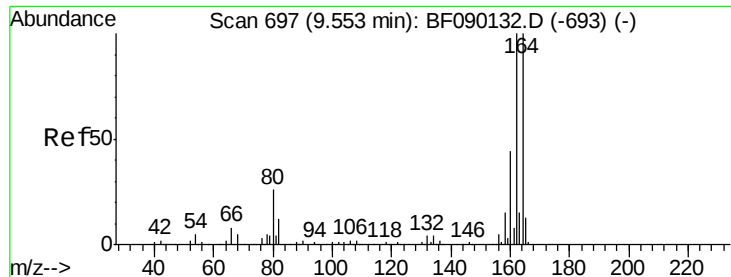
Tot Ion	82	Resp	436017
Ion Ratio	Lower	Upper	
82	100		
128	40.3	37.5	56.3
54	40.9	31.9	47.9



#37
 2-Methylnaphthalene
 Concen: 43.02 ng
 RT: 8.51 min Scan# 606
 Delta R.T. 0.03 min
 Lab File: BF090260.D
 Acq: 27 Sep 2016 19:05

Tgt Ion	142	Resp	312753
Ion Ratio	Lower	Upper	
142	100		
141	92.4	71.4	107.2
115	57.4	28.3	42.5#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.54 min Scan# 696

Delta R.T. 0.03 min

Lab File: BF090260.D

Acq: 27 Sep 2016 19:05

Instrument :

BNA_F

ClientSampleId :

B4B-7.5-8-BGS

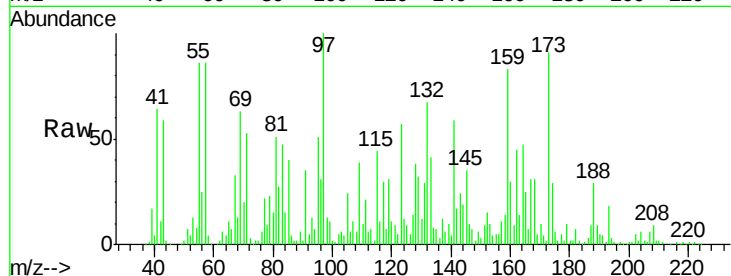
Tot Ion:164 Resp: 127918

Ion Ratio Lower Upper

164 100

162 96.3 81.4 122.2

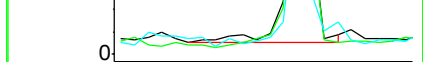
160 63.9 36.6 54.8#



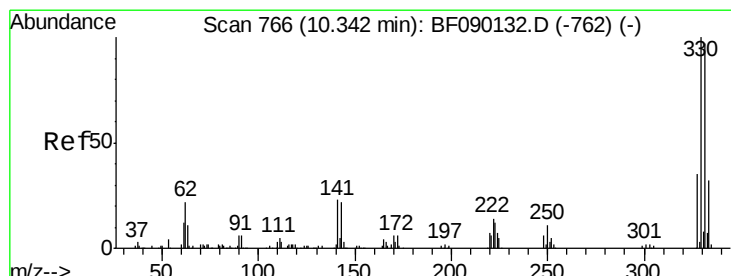
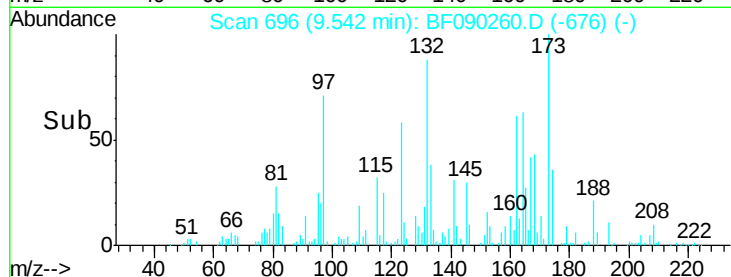
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->



#41

2,4,6-Tribromophenol

Concen: 171.10 ng

RT: 10.31 min Scan# 763

Delta R.T. 0.01 min

Lab File: BF090260.D

Acq: 27 Sep 2016 19:05

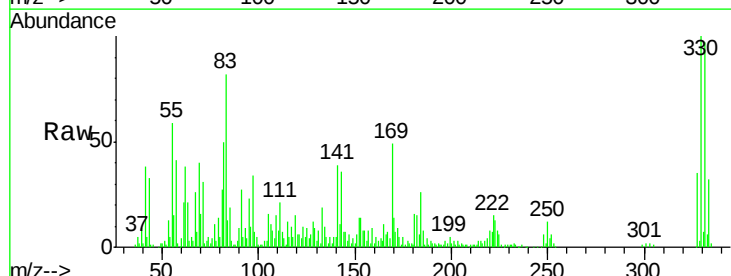
Tgt Ion:330 Resp: 187768

Ion Ratio Lower Upper

330 100

332 97.3 78.1 117.1

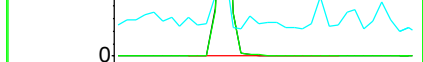
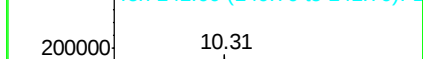
141 30.5 23.9 35.9



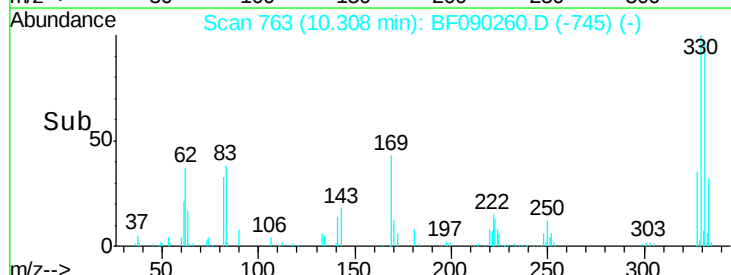
Abundance Ion 329.80 (329.50 to 330.50): E

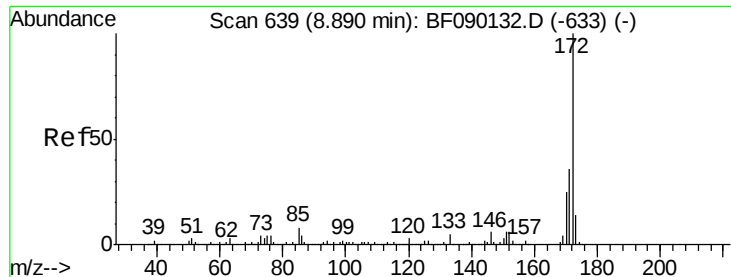
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#44

2-Fluorobiphenyl

Concen: 49.79 ng

RT: 8.88 min Scan# 638

Delta R.T. 0.02 min

Lab File: BF090260.D

Acq: 27 Sep 2016 19:05

Instrument :

BNA_F

ClientSampleId :

B4B-7.5-8-BGS

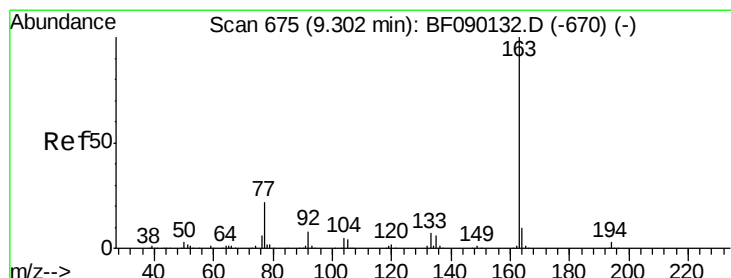
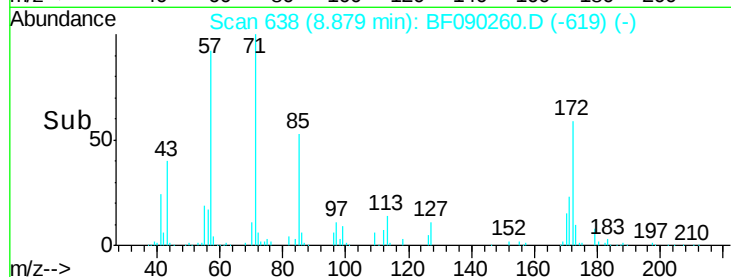
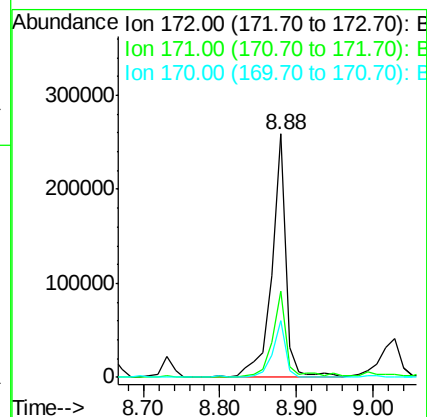
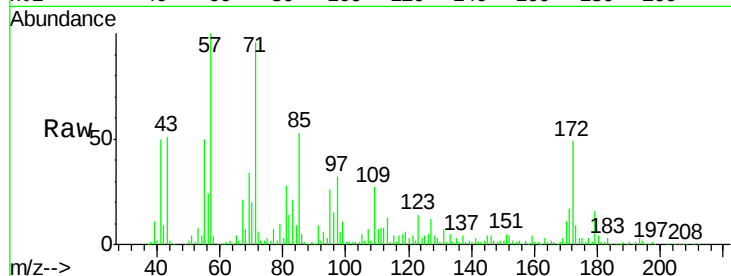
Tot Ion:172 Resp: 324399

Ion Ratio Lower Upper

172 100

171 35.3 29.2 43.8

170 23.3 19.8 29.8



#49

Dimethylphthalate

Concen: 23.53 ng

RT: 9.27 min Scan# 672

Delta R.T. -0.00 min

Lab File: BF090260.D

Acq: 27 Sep 2016 19:05

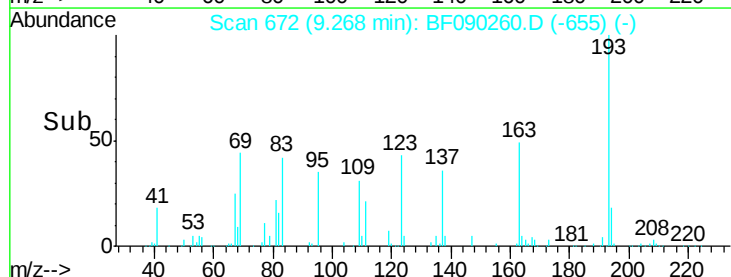
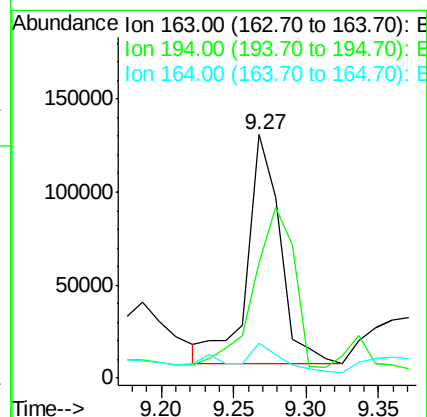
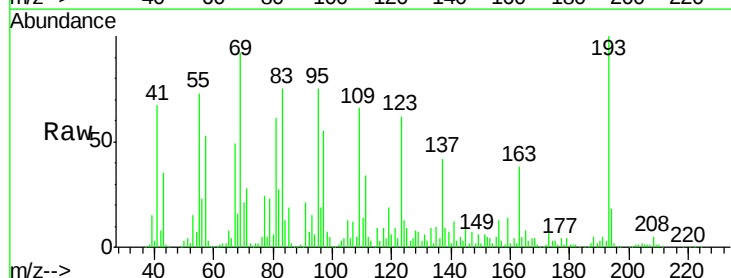
Tgt Ion:163 Resp: 191749

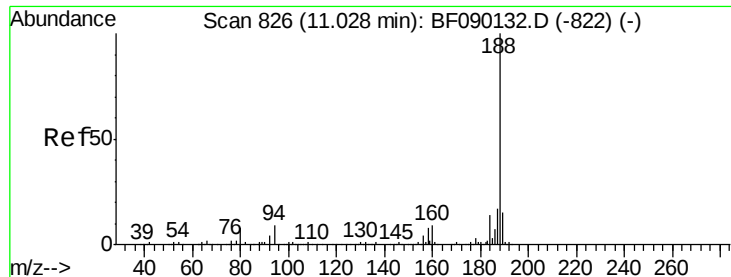
Ion Ratio Lower Upper

163 100

194 47.6 2.8 4.2#

164 14.3 8.1 12.1#

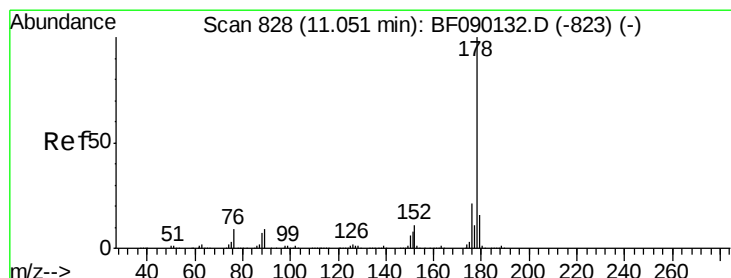
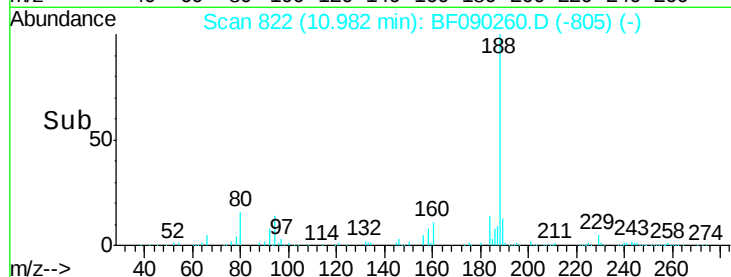
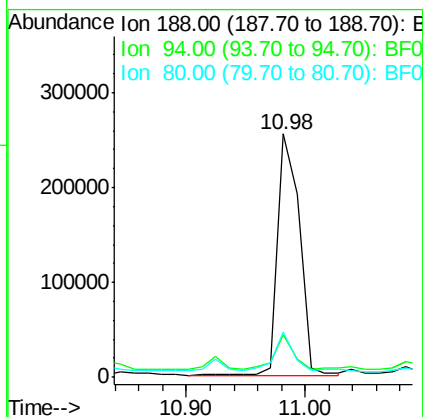
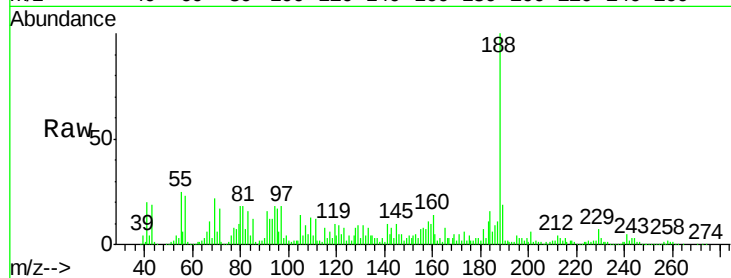




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.98 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF090260.D
Acq: 27 Sep 2016 19:05

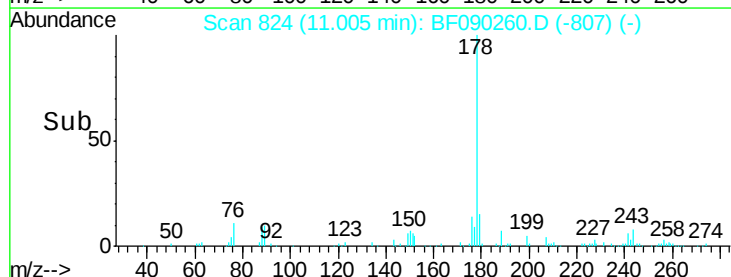
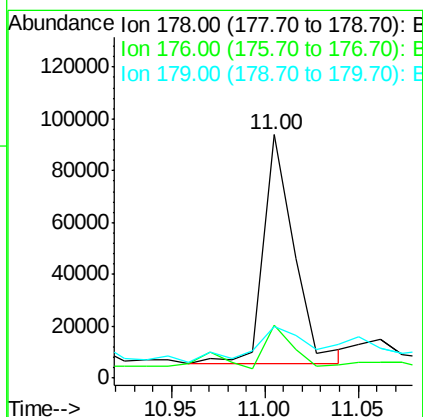
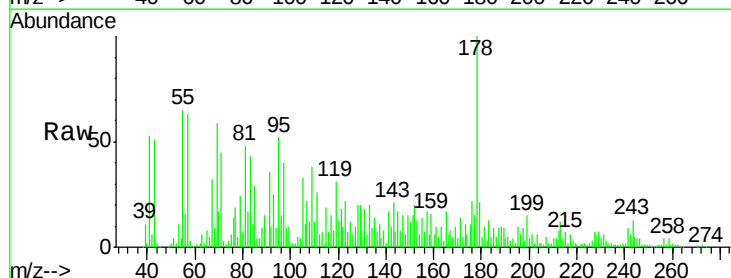
Instrument :
BNA_F
ClientSampleId :
B4B-7.5-8-BGS

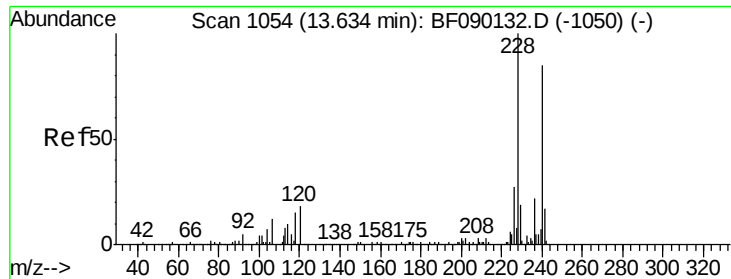
Tot Ion:188 Resp: 320272
Ion Ratio Lower Upper
188 100
94 17.6 10.5 15.7#
80 18.3 11.2 16.8#



#70
Phenanthrene
Concen: 6.75 ng
RT: 11.00 min Scan# 824
Delta R.T. -0.00 min
Lab File: BF090260.D
Acq: 27 Sep 2016 19:05

Tgt Ion:178 Resp: 101124
Ion Ratio Lower Upper
178 100
176 21.9 15.9 23.9
179 21.4 12.9 19.3#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.58 min Scan# 1049

Delta R.T. -0.02 min

Lab File: BF090260.D

Acq: 27 Sep 2016 19:05

Instrument :

BNA_F

ClientSampleId :

B4B-7.5-8-BGS

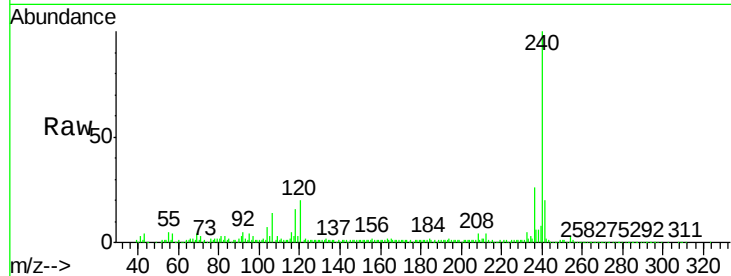
Tot Ion:240 Resp: 277216

Ion Ratio Lower Upper

240 100

120 19.7 10.6 16.0#

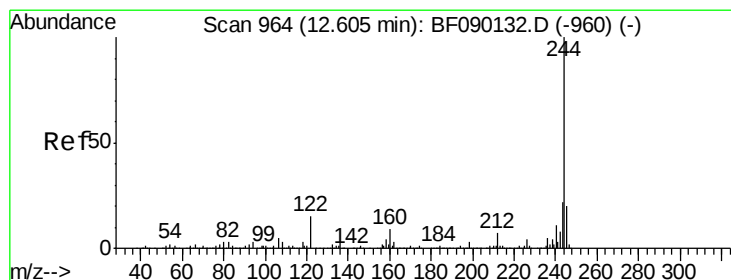
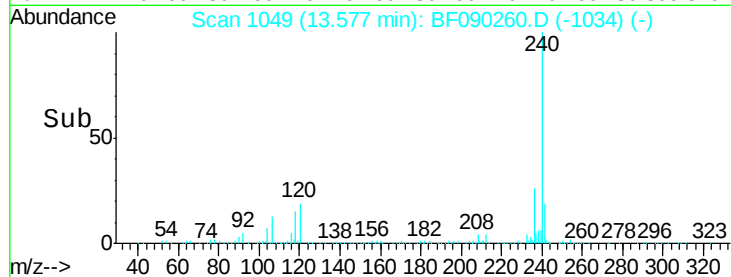
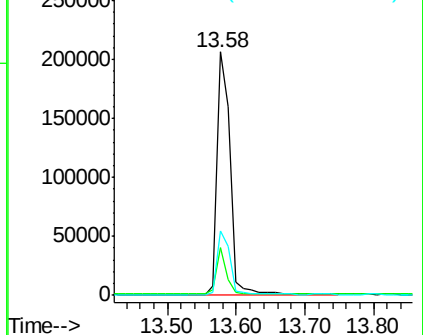
236 26.4 21.6 32.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 58.44 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.00 min

Lab File: BF090260.D

Acq: 27 Sep 2016 19:05

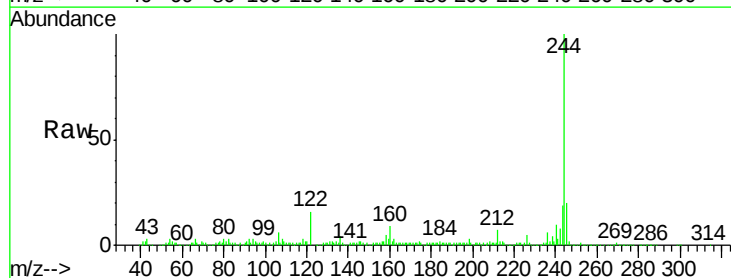
Tgt Ion:244 Resp: 638142

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

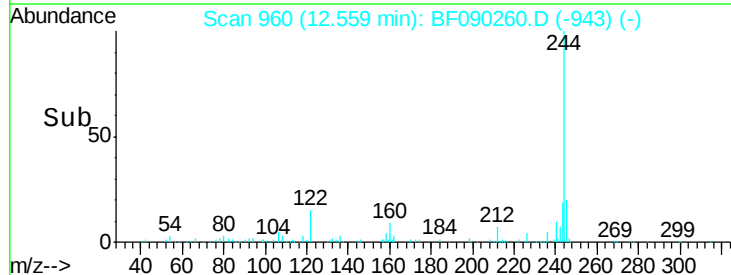
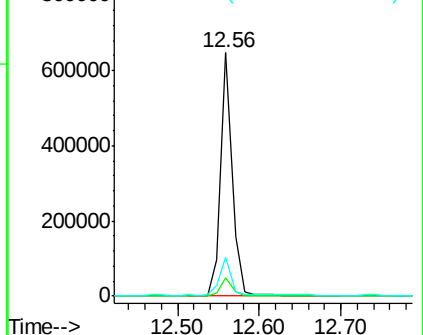
122 16.0 9.4 14.0#

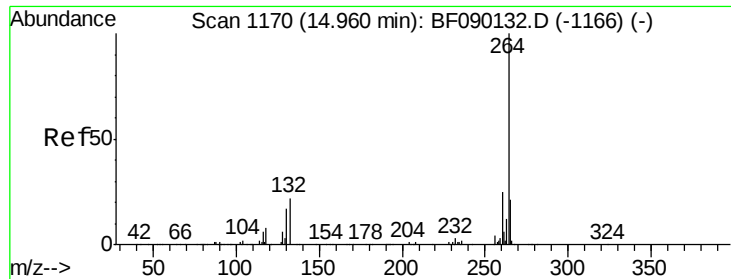


Abundance Ion 244.00 (243.70 to 244.70): E

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: 14.90 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF090260.D
 Acq: 27 Sep 2016 19:05

Instrument :
 BNA_F
 ClientSampleId :
 B4B-7.5-8-BGS

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.5	29.3
265	21.8	17.0	25.4

