

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
 Data File : BF090147.D
 Acq On : 20 Sep 2016 21:26
 Operator : UM/SJ
 Sample : H4849-01 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GWB-244.256-CB-SEDIMENT

Quant Time: Sep 21 02:16:50 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 20 17:58:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	153773	20.00	ng	-0.01
21) Naphthalene-d8	7.80	136	642259	20.00	ng	-0.01
38) Acenaphthene-d10	9.55	164	328132	20.00	ng	0.00
63) Phenanthrene-d10	11.02	188	488279	20.00	ng	-0.01
75) Chrysene-d12	13.62	240	323651	20.00	ng	-0.01
86) Perylene-d12	14.96	264	320517	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.07	112	70936	7.52	ng	0.00
7) Phenol-d6	6.16	99	109184	9.37	ng	-0.01
23) Nitrobenzene-d5	7.08	82	59009	5.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.33	330	17025	6.05	ng	-0.01
44) 2-Fluorobiphenyl	8.89	172	110429	6.61	ng	0.00
78) Terphenyl-d14	12.59	244	73713	5.78	ng	-0.01

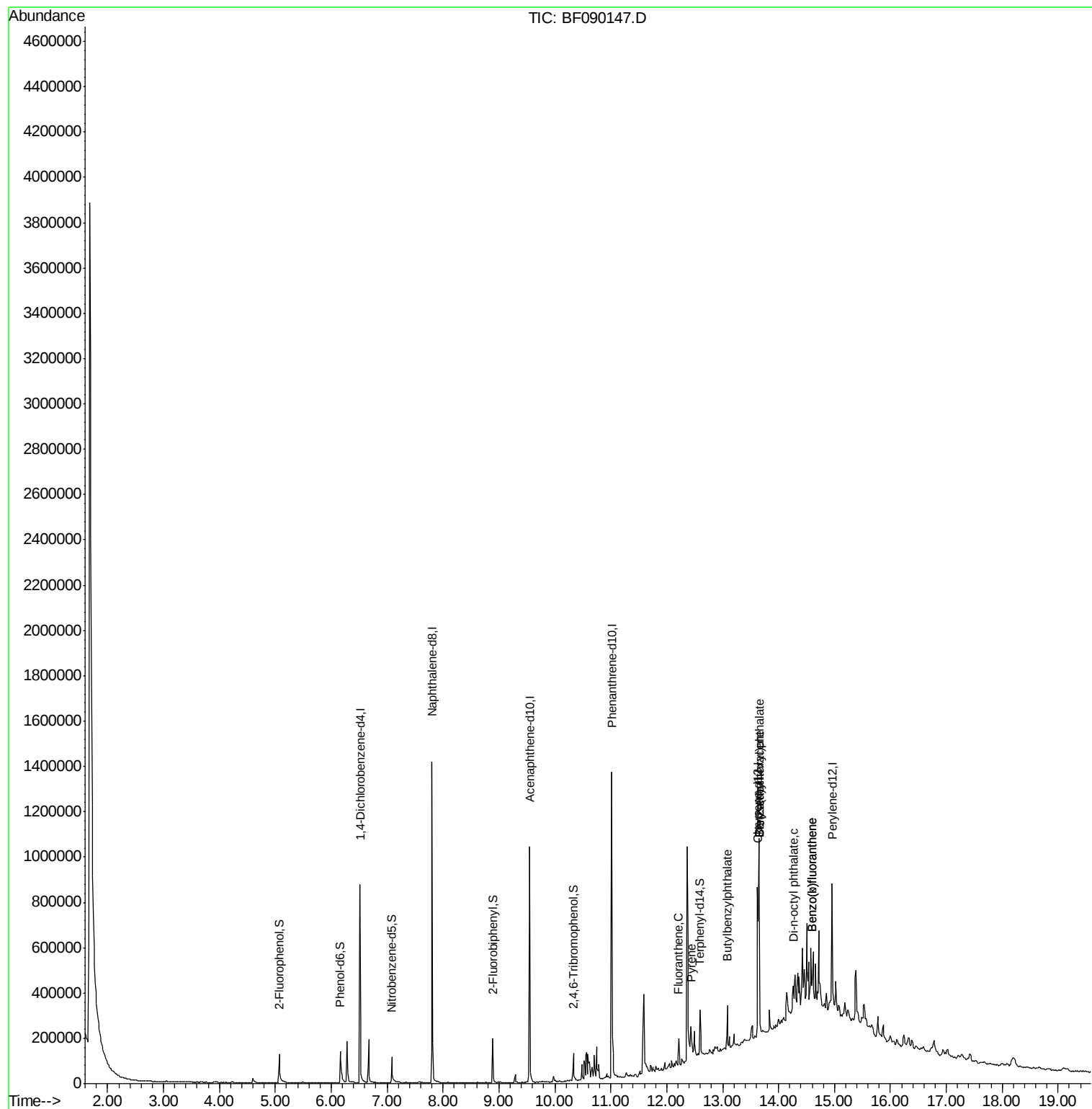
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
74) Fluoranthene	12.22	202	59203	2.42	ng	95
77) Pyrene	12.43	202	48357	2.18	ng	96
79) Butylbenzylphthalate	13.08	149	48084	4.44	ng	94
80) Benzo(a)anthracene	13.66	228	41110	2.36	ng	# 92
82) Chrysene	13.66	228	41110	2.42	ng	# 94
83) Bis(2-ethylhexyl)phthalate	13.66	149	320971	23.15	ng	# 96
84) Di-n-octyl phthalate	14.26	149	79883	3.34	ng	# 79
87) Benzo(b)fluoranthene	14.61	252	44864	2.53	ng	# 82
88) Benzo(k)fluoranthene	14.61	252	44864	2.69	ng	# 78

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090147.D
Acq On : 20 Sep 2016 21:26
Operator : UM/SJ
Sample : H4849-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GWB-244.256-CB-SEDIMENT

Quant Time: Sep 21 02:16:50 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 20 17:58:29 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.51 min Scan# 431

Delta R.T. -0.01 min

Lab File: BF090147.D

Acq: 20 Sep 2016 21:26

Instrument :

BNA_F

ClientSampleId :

GWB-244.256-CB-SEDIMENT

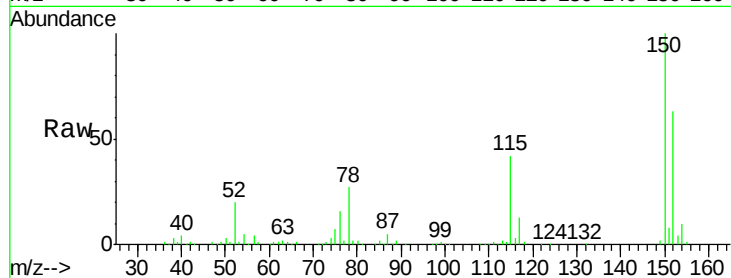
Tgt Ion:152 Resp: 153773

Ion Ratio Lower Upper

152 100

150 158.7 128.9 193.3

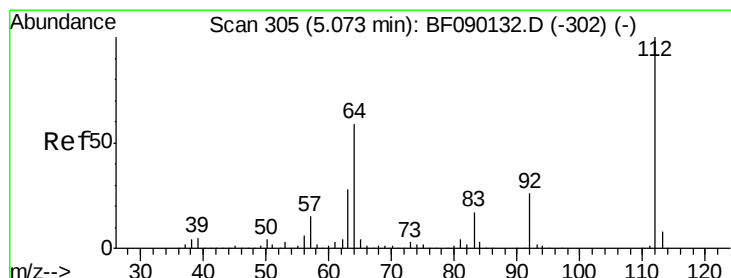
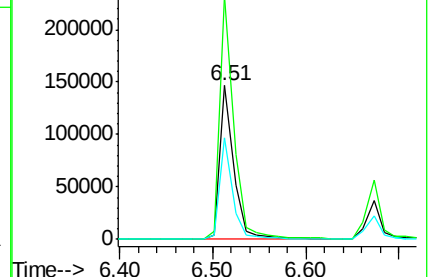
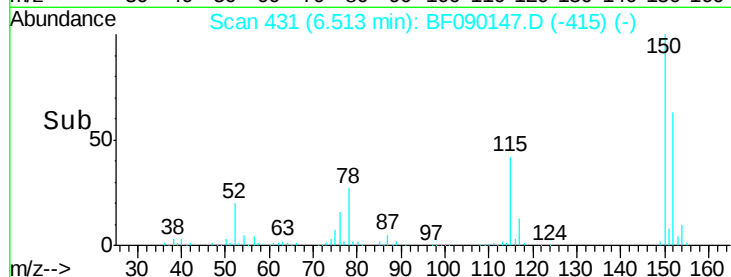
115 66.6 55.5 83.3



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: 7.52 ng

RT: 5.07 min Scan# 305

Delta R.T. 0.00 min

Lab File: BF090147.D

Acq: 20 Sep 2016 21:26

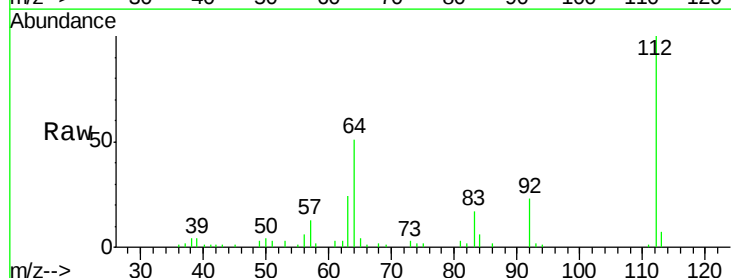
Tgt Ion:112 Resp: 70936

Ion Ratio Lower Upper

112 100

64 51.1 39.8 59.6

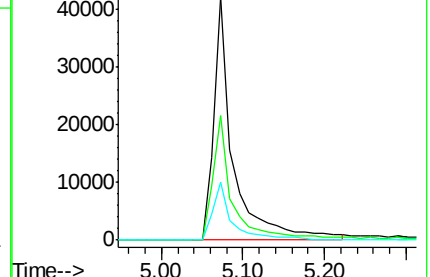
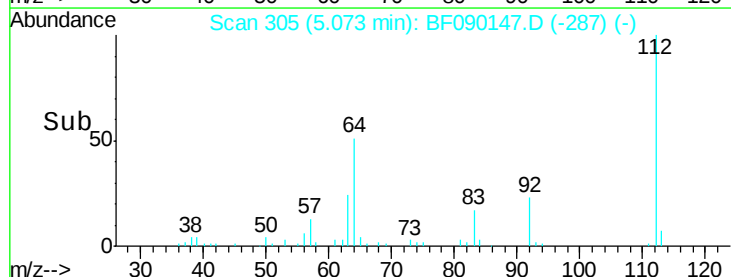
63 23.6 18.9 28.3



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: 9.37 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.01 min

Lab File: BF090147.D

Acq: 20 Sep 2016 21:26

Instrument :

BNA_F

ClientSampleId :

GWB-244.256-CB-SEDIMENT

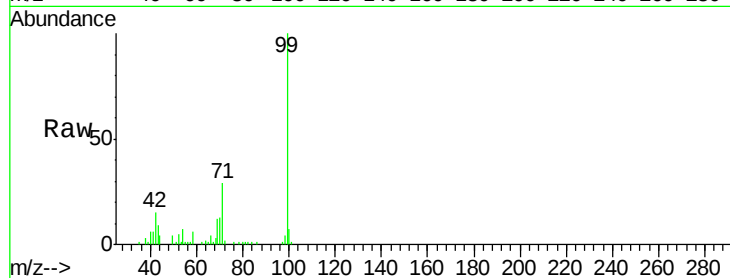
Tgt Ion: 99 Resp: 109184

Ion Ratio Lower Upper

99 100

42 14.8 10.6 15.8

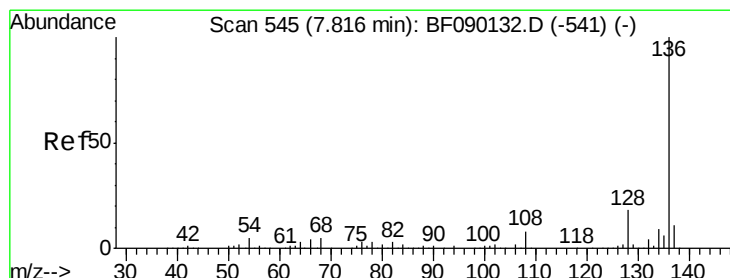
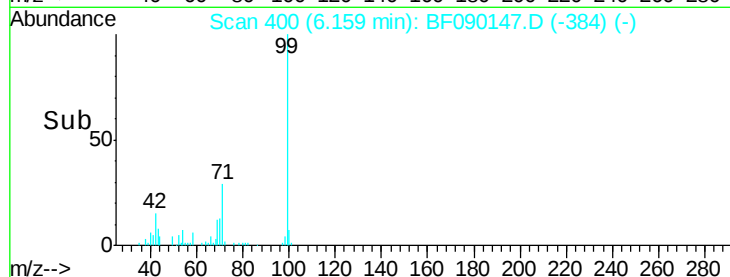
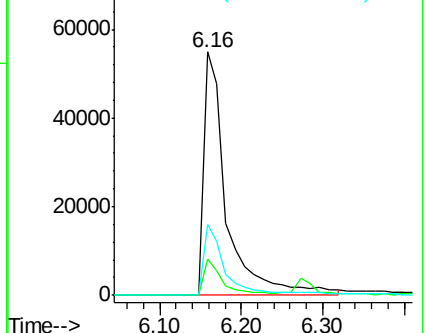
71 29.2 23.0 34.6



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: 7.80 min Scan# 544

Delta R.T. -0.01 min

Lab File: BF090147.D

Acq: 20 Sep 2016 21:26

Tgt Ion: 136 Resp: 642259

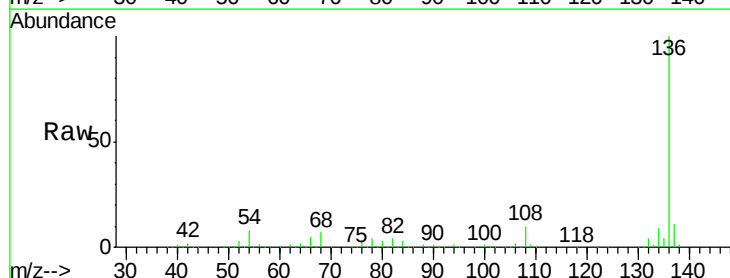
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.6 6.4 9.6

68 7.3 6.3 9.5

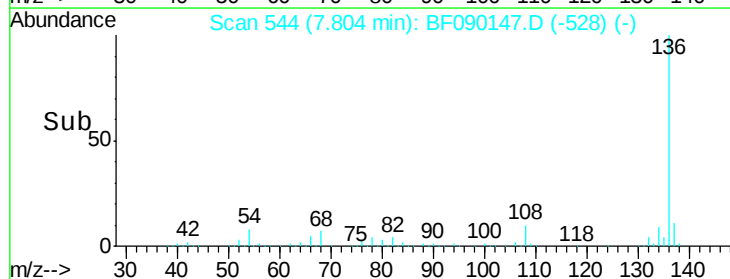
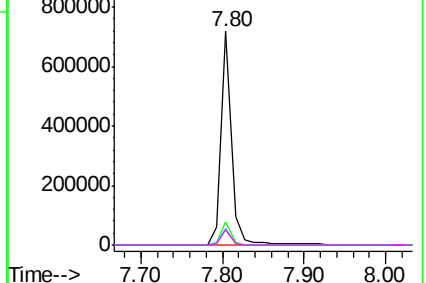


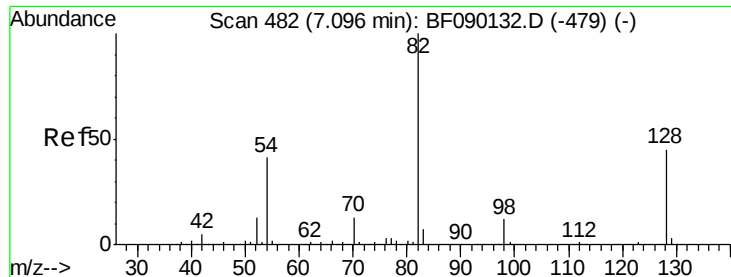
Abundance Ion 136.00 (135.70 to 136.70): E

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

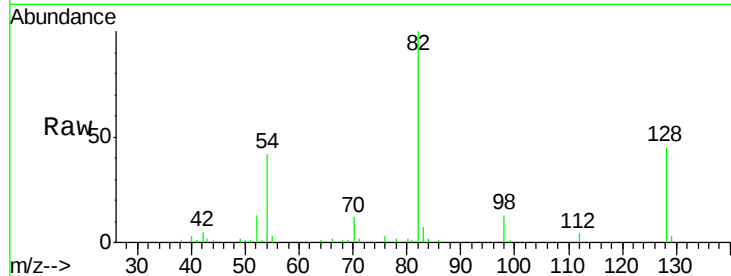




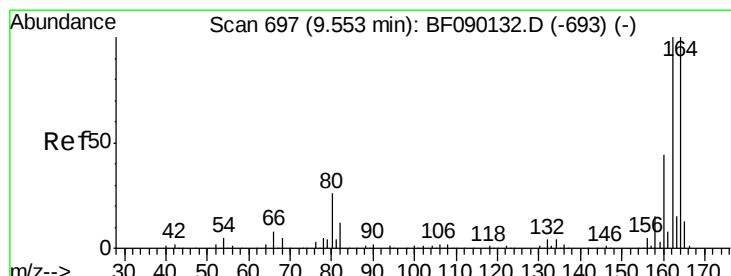
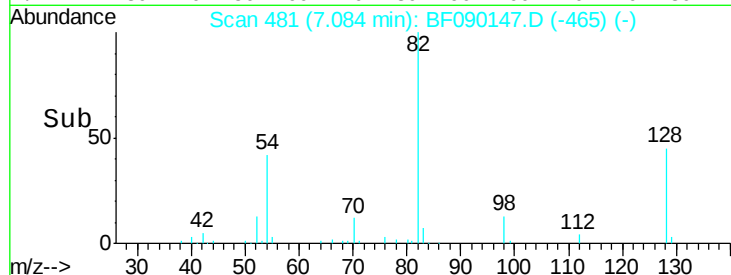
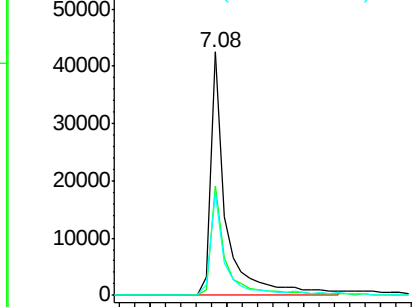
#23
 Nitrobenzene-d5
 Concen: 5.33 ng
 RT: 7.08 min Scan# 481
 Delta R.T. -0.01 min
 Lab File: BF090147.D
 Acq: 20 Sep 2016 21:26

Instrument :
 BNA_F
 ClientSampleId :
 GWB-244.256-CB-SEDIMENT

Tgt Ion: 82 Resp: 59009
 Ion Ratio Lower Upper
 82 100
 128 45.0 37.5 56.3
 54 42.1 31.9 47.9

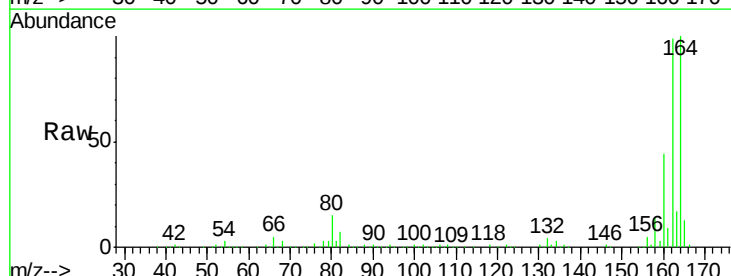


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

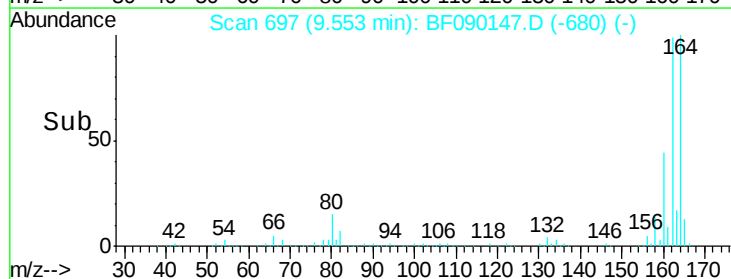
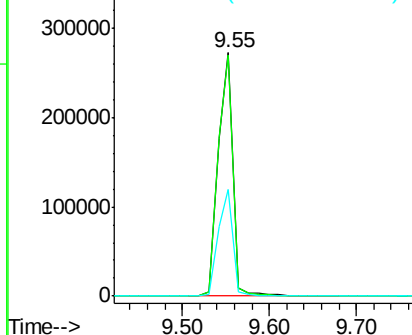


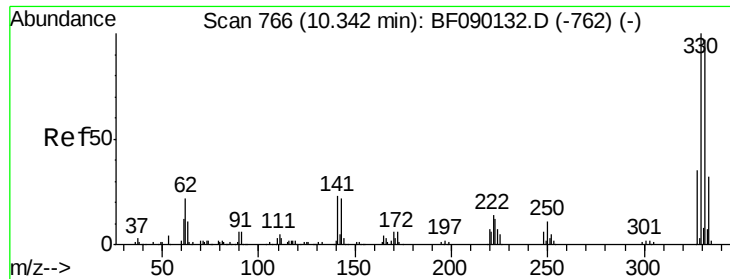
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.00 min
 Lab File: BF090147.D
 Acq: 20 Sep 2016 21:26

Tgt Ion: 164 Resp: 328132
 Ion Ratio Lower Upper
 164 100
 162 98.9 81.4 122.2
 160 43.7 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

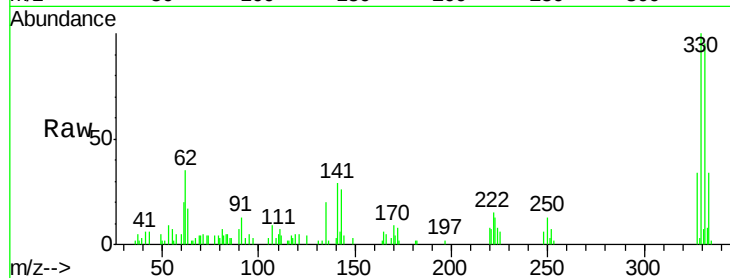




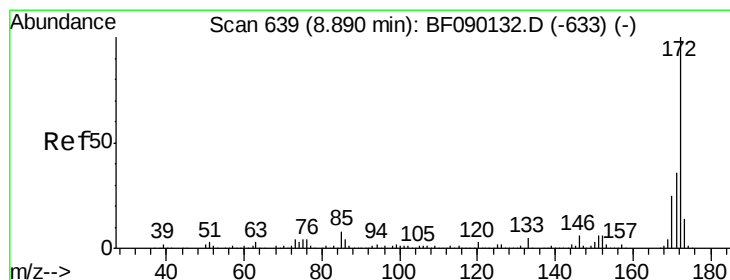
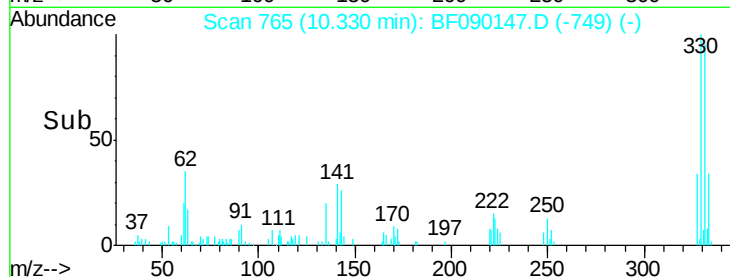
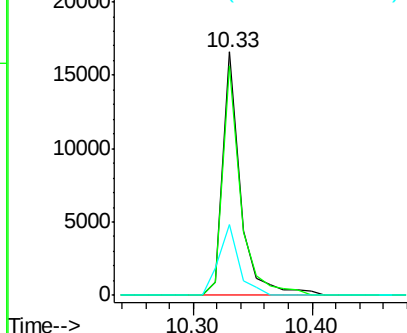
#41
 2,4,6-Tribromophenol
 Concen: 6.05 ng
 RT: 10.33 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: BF090147.D
 Acq: 20 Sep 2016 21:26

Instrument :
 BNA_F
 ClientSampleId :
 GWB-244.256-CB-SEDIMENT

Tgt Ion:330 Resp: 17025
 Ion Ratio Lower Upper
 330 100
 332 95.1 78.1 117.1
 141 32.8 23.9 35.9

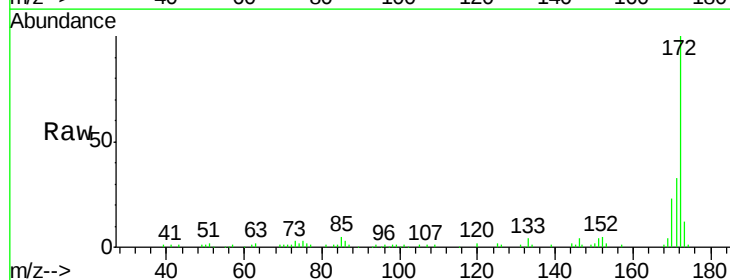


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

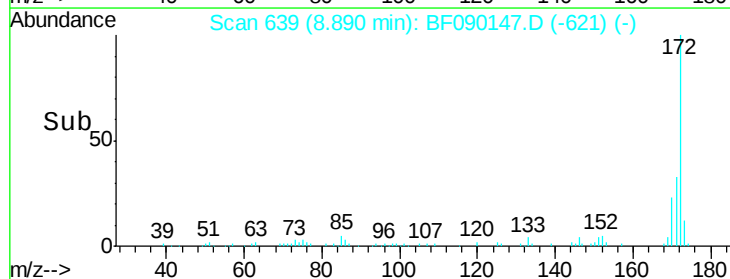
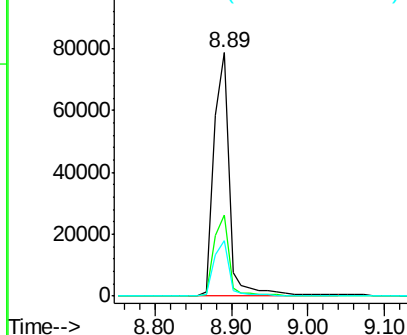


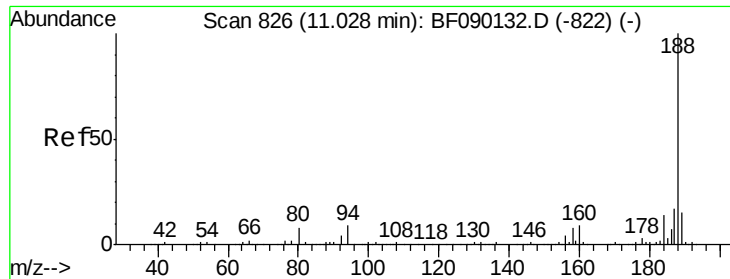
#44
 2-Fluorobiphenyl
 Concen: 6.61 ng
 RT: 8.89 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: BF090147.D
 Acq: 20 Sep 2016 21:26

Tgt Ion:172 Resp: 110429
 Ion Ratio Lower Upper
 172 100
 171 33.1 29.2 43.8
 170 22.8 19.8 29.8



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

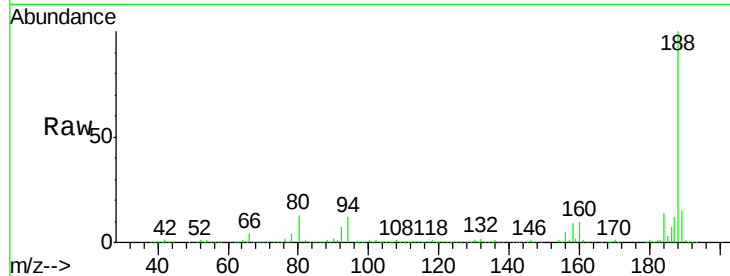




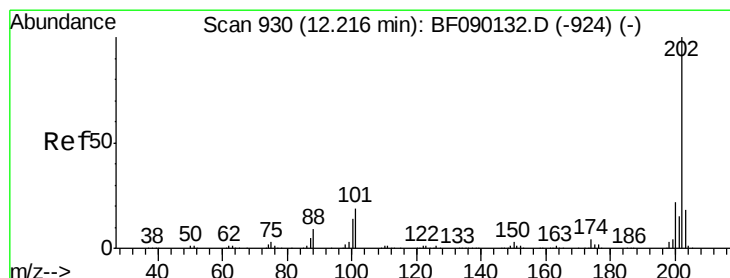
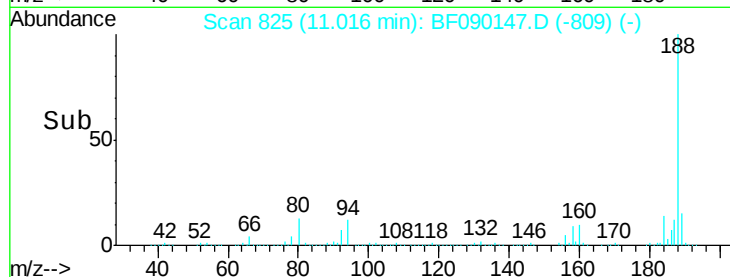
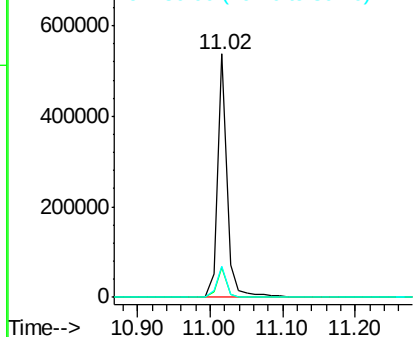
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF090147.D
Acq: 20 Sep 2016 21:26

Instrument :
BNA_F
ClientSampleId :
GWB-244.256-CB-SEDIMENT

Tgt Ion:188 Resp: 488279
Ion Ratio Lower Upper
188 100
94 12.4 10.5 15.7
80 12.7 11.2 16.8

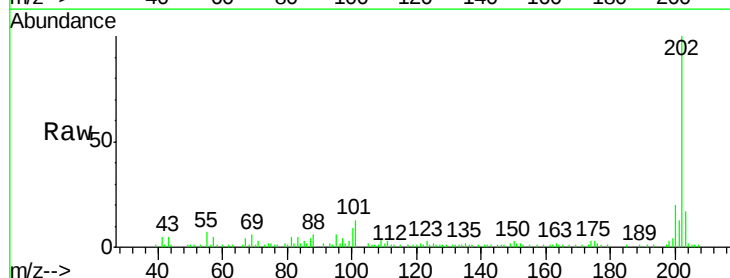


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

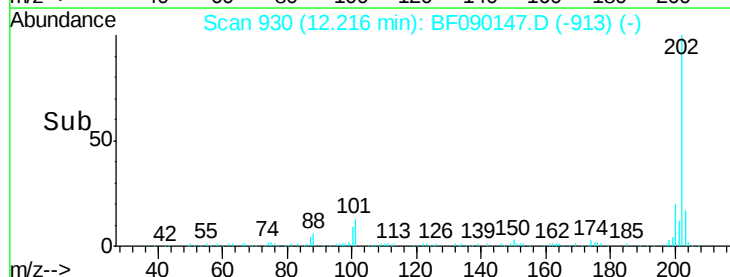
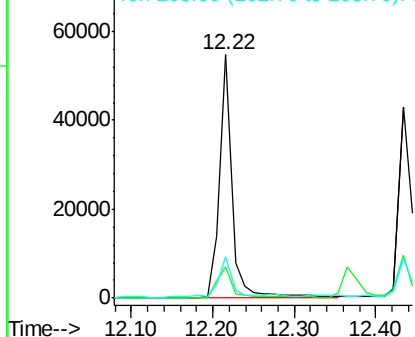


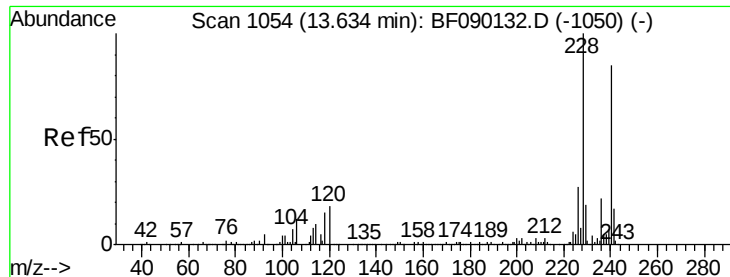
#74
Fluoranthene
Concen: 2.42 ng
RT: 12.22 min Scan# 930
Delta R.T. -0.00 min
Lab File: BF090147.D
Acq: 20 Sep 2016 21:26

Tgt Ion:202 Resp: 59203
Ion Ratio Lower Upper
202 100
101 12.7 0.0 36.1
203 16.8 0.0 38.2



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: 13.62 min Scan# 1053

Delta R.T. -0.01 min

Lab File: BF090147.D

Acq: 20 Sep 2016 21:26

Instrument :

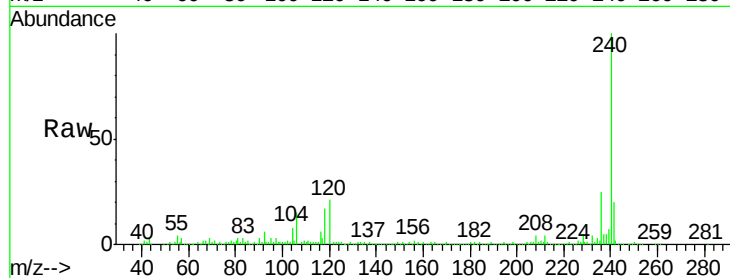
BNA_F

ClientSampleId :

GWB-244.256-CB-SEDIMENT

Tgt Ion:240 Resp: 323651

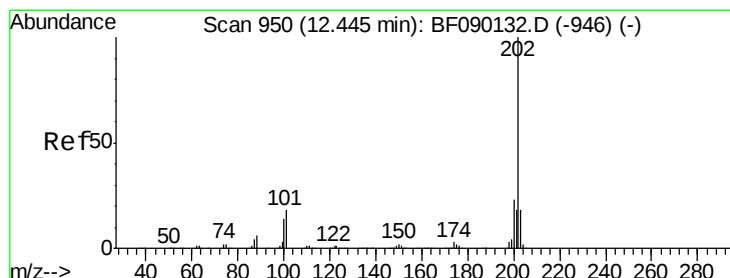
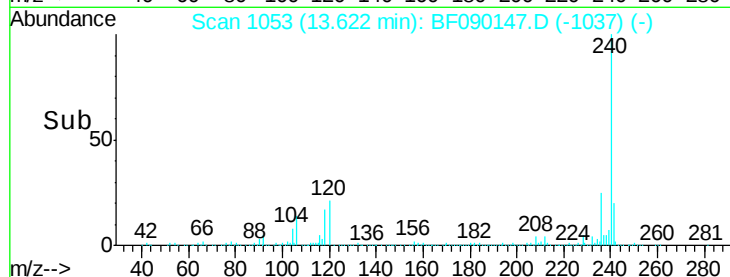
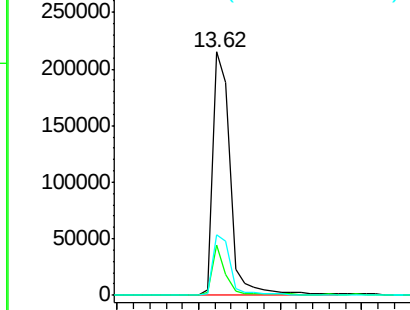
Ion	Ratio	Lower	Upper
240	100		
120	20.8	10.6	16.0#
236	25.1	21.6	32.4



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: 2.18 ng

RT: 12.43 min Scan# 949

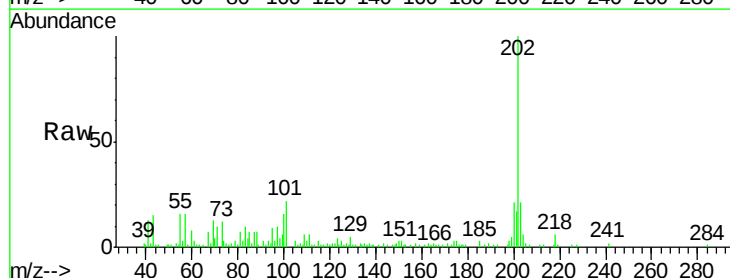
Delta R.T. -0.01 min

Lab File: BF090147.D

Acq: 20 Sep 2016 21:26

Tgt Ion:202 Resp: 48357

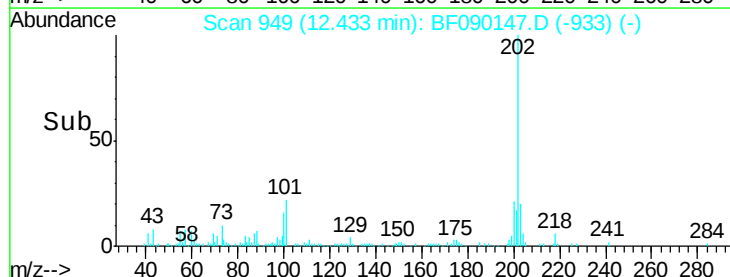
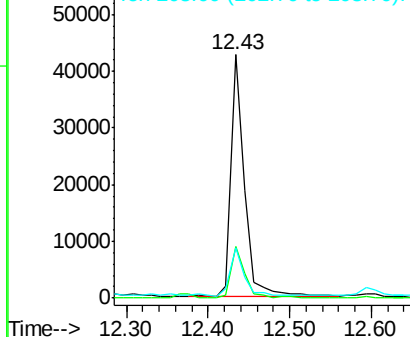
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.9	26.9
203	20.7	14.2	21.4

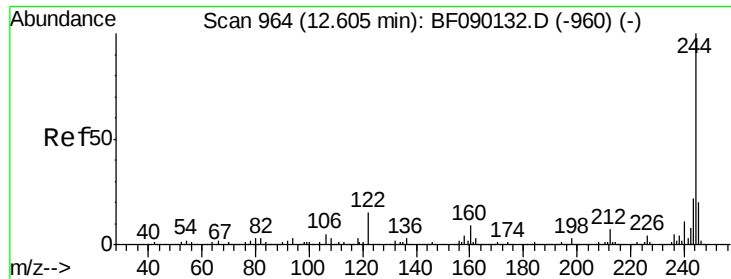


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 5.78 ng

RT: 12.59 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF090147.D

Acq: 20 Sep 2016 21:26

Instrument :

BNA_F

ClientSampleId :

GWB-244.256-CB-SEDIMENT

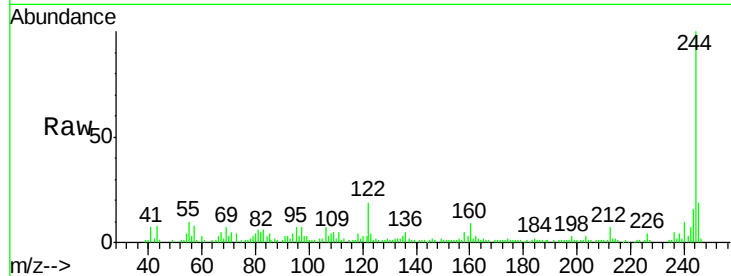
Tgt Ion:244 Resp: 73713

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

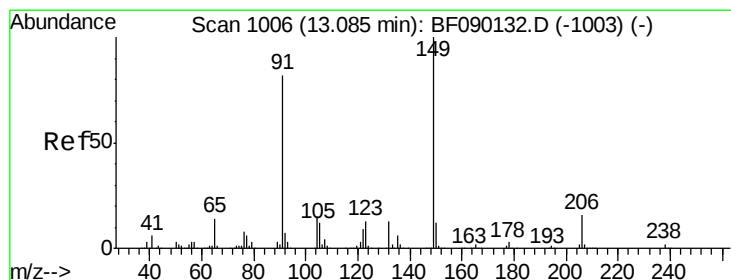
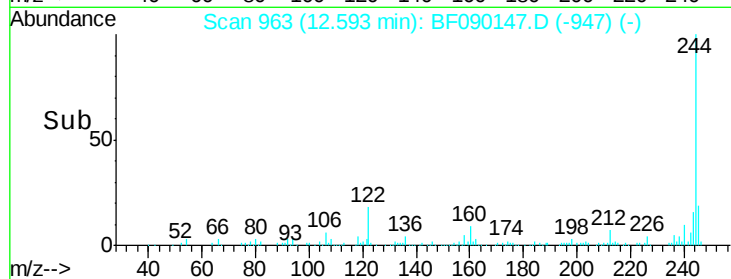
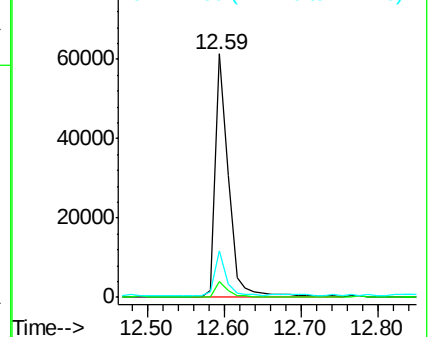
122 19.3 9.4 14.0#



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



#79

Butylbenzylphthalate

Concen: 4.44 ng

RT: 13.08 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BF090147.D

Acq: 20 Sep 2016 21:26

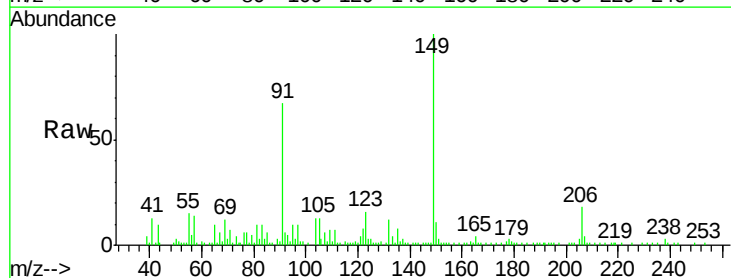
Tgt Ion:149 Resp: 48084

Ion Ratio Lower Upper

149 100

91 67.4 49.8 74.6

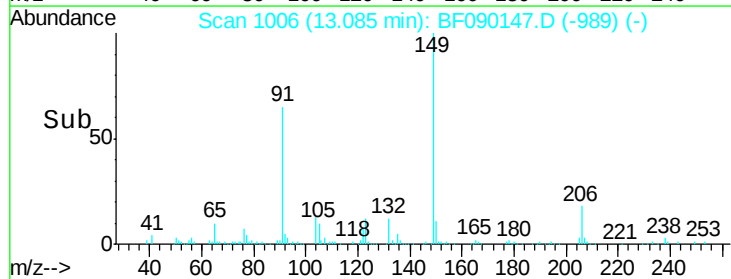
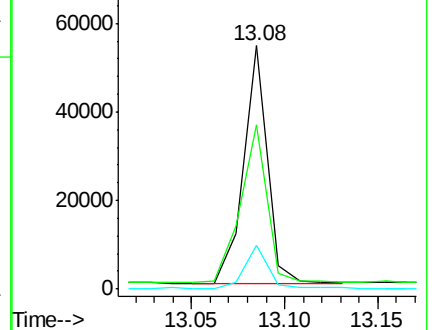
206 18.0 16.3 24.5

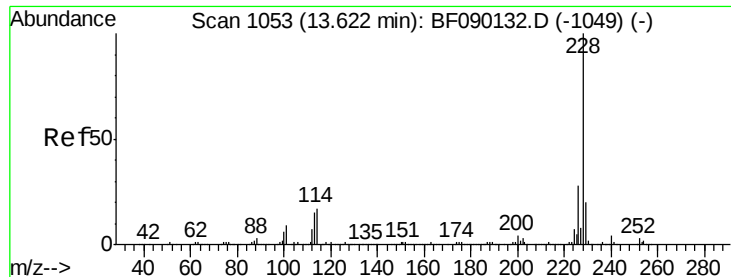


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 2.36 ng

RT: 13.66 min Scan# 1056

Delta R.T. 0.03 min

Lab File: BF090147.D

Acq: 20 Sep 2016 21:26

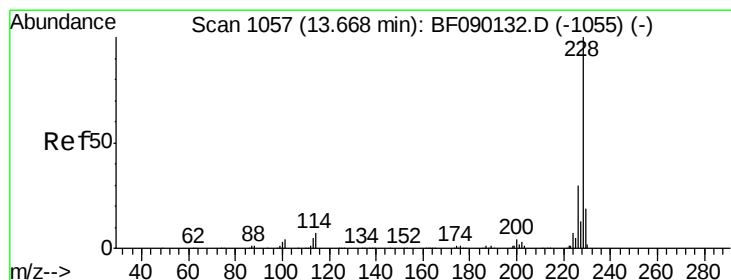
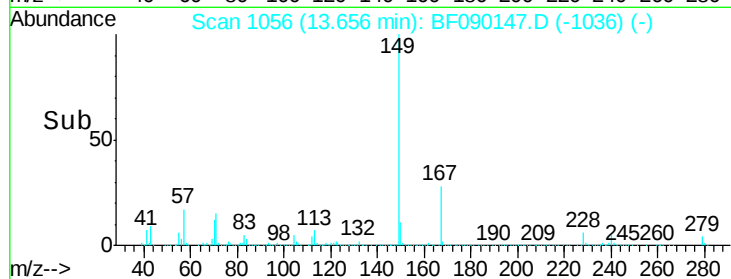
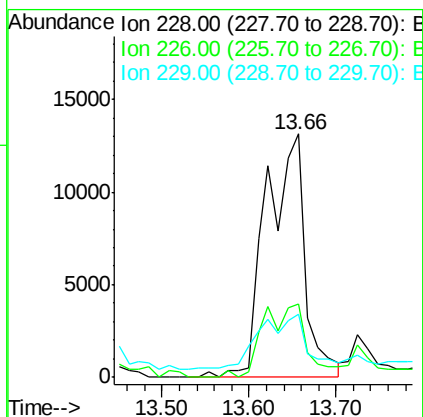
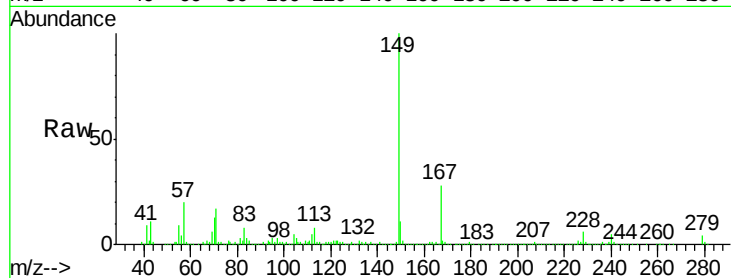
Instrument :

BNA_F

ClientSampleId :

GWB-244.256-CB-SEDIMENT

Tgt Ion:	228	Resp:	41110
Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.0	33.0
229	25.7	16.2	24.2#



#82

Chrysene

Concen: 2.42 ng

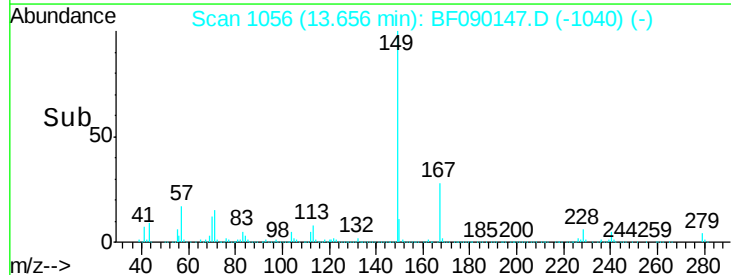
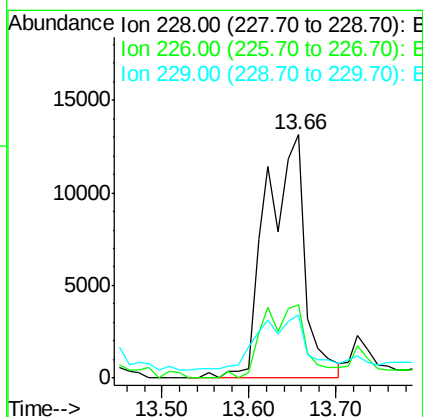
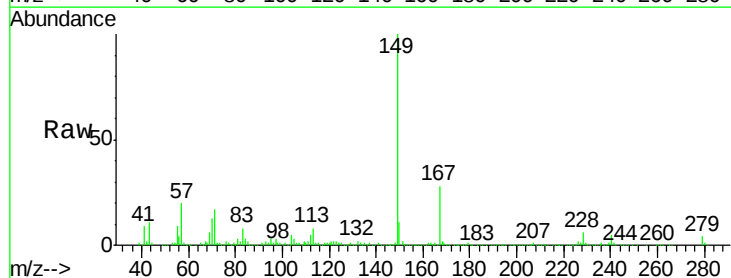
RT: 13.66 min Scan# 1056

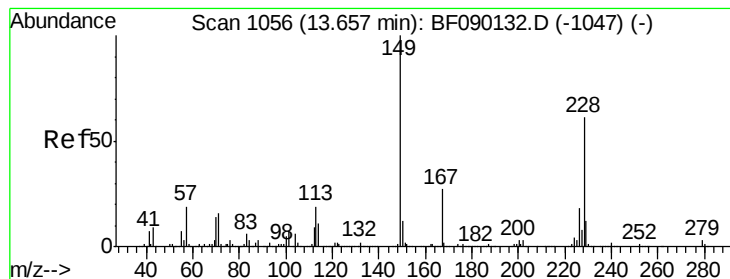
Delta R.T. -0.01 min

Lab File: BF090147.D

Acq: 20 Sep 2016 21:26

Tgt Ion:	228	Resp:	41110
Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.6	37.0
229	25.7	16.2	24.4#





#83

Bis(2-ethylhexyl)phthalate

Concen: 23.15 ng

RT: 13.66 min Scan# 1056

Delta R.T. -0.00 min

Lab File: BF090147.D

Acq: 20 Sep 2016 21:26

Instrument :

BNA_F

ClientSampleId :

GWB-244.256-CB-SEDIMENT

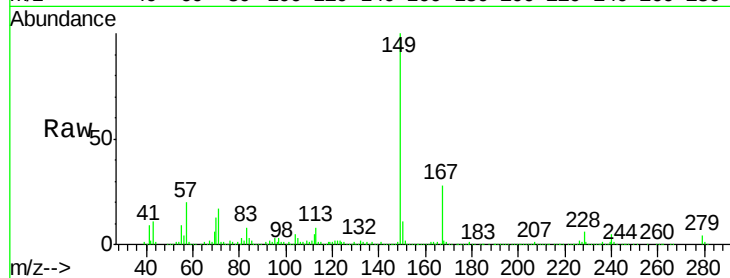
Tgt Ion:149 Resp: 320971

Ion Ratio Lower Upper

149 100

167 28.5 21.2 31.8

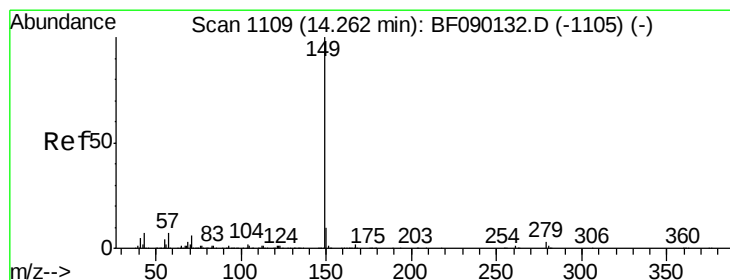
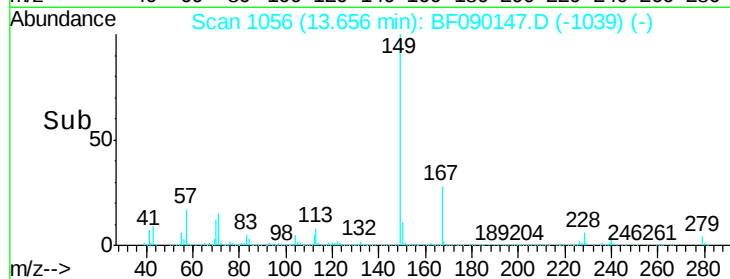
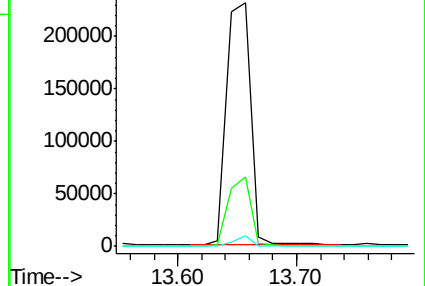
279 4.4 2.2 3.2#



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



#84

Di-n-octyl phthalate

Concen: 3.34 ng

RT: 14.26 min Scan# 1109

Delta R.T. -0.00 min

Lab File: BF090147.D

Acq: 20 Sep 2016 21:26

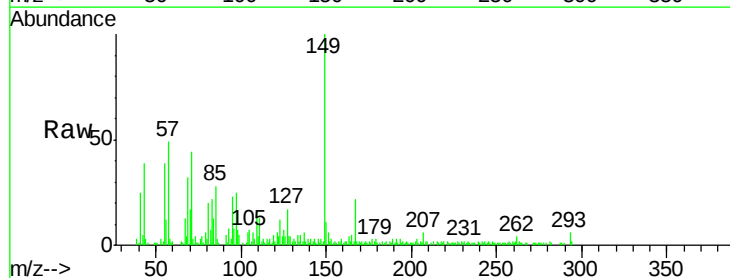
Tgt Ion:149 Resp: 79883

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

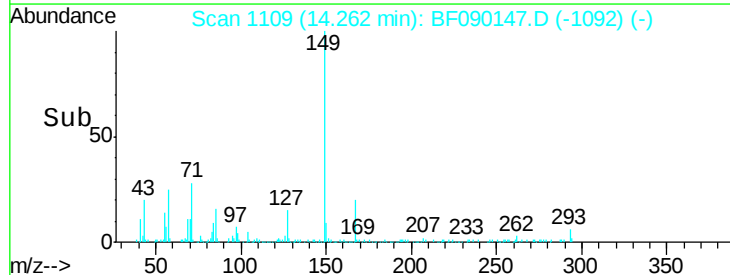
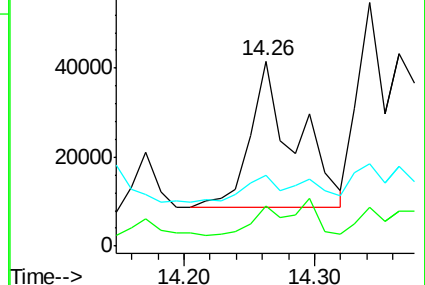
43 17.2 6.8 10.2#

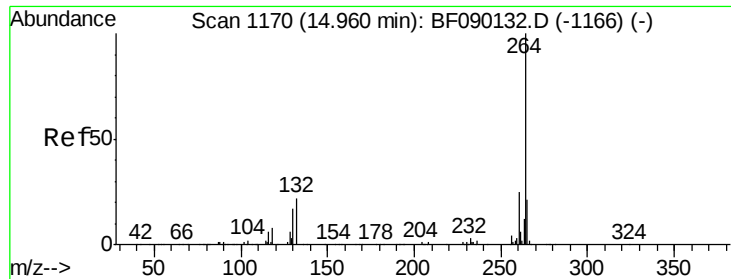


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

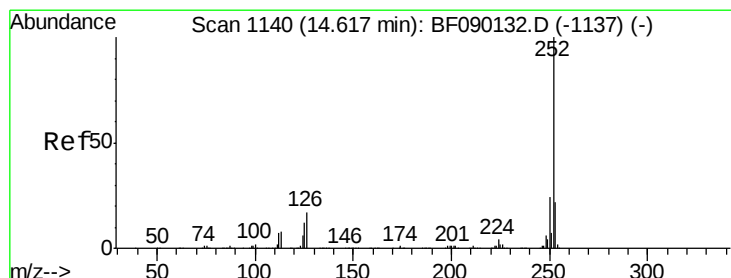
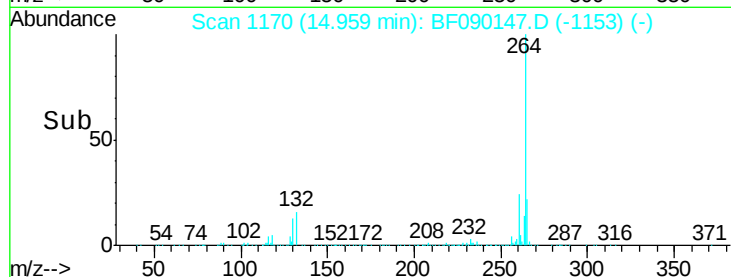
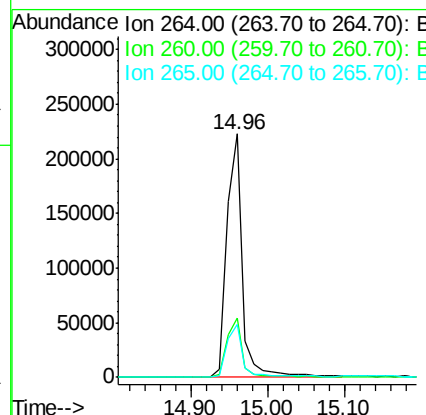
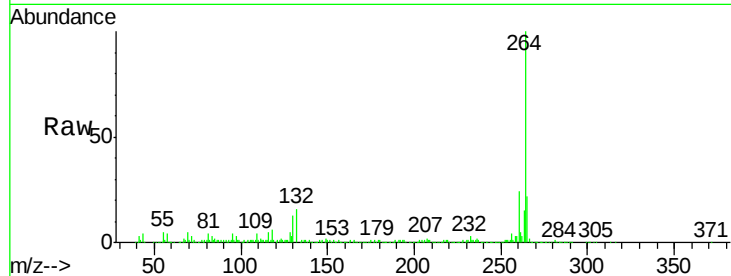




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF090147.D
Acq: 20 Sep 2016 21:26

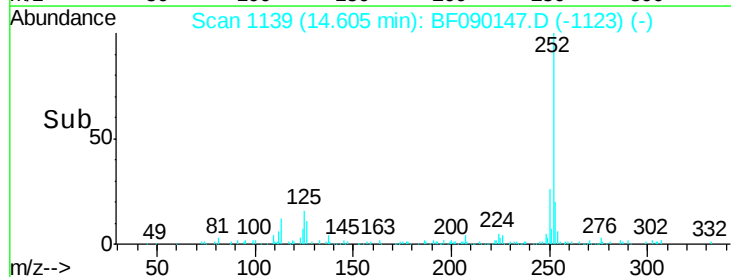
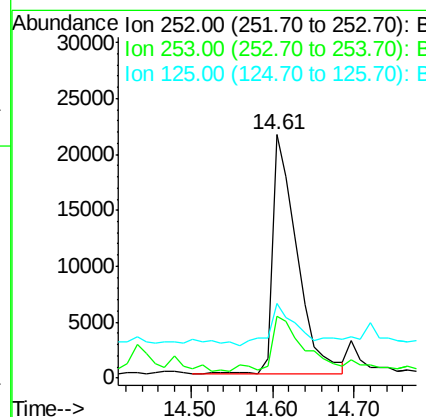
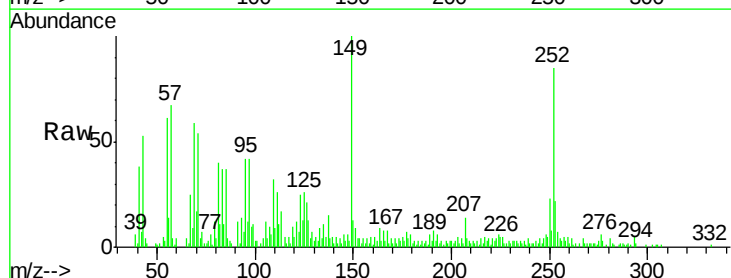
Instrument :
BNA_F
ClientSampleId :
GWB-244.256-CB-SEDIMENT

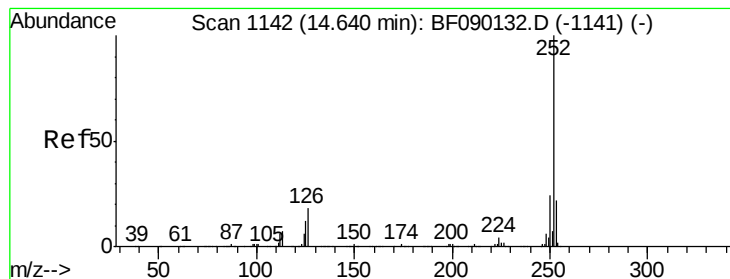
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.8	17.0	25.4



#87
Benzo(b)fluoranthene
Concen: 2.53 ng
RT: 14.61 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BF090147.D
Acq: 20 Sep 2016 21:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.9	26.9
125	30.7	12.7	19.1





#88

Benzo(k)fluoranthene

Concen: 2.69 ng

RT: 14.61 min Scan# 1139

Delta R.T. -0.03 min

Lab File: BF090147.D

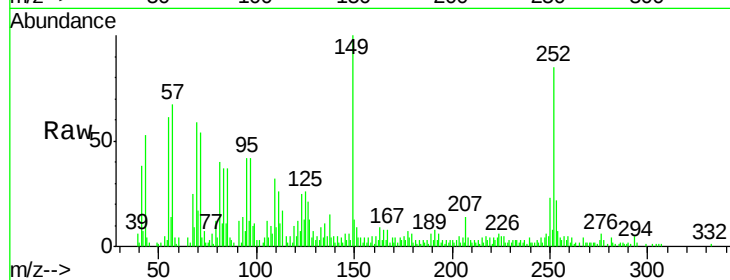
Acq: 20 Sep 2016 21:26

Instrument :

BNA_F

ClientSampleId :

GWB-244.256-CB-SEDIMENT



Tgt Ion:	252	Resp:	44864
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.8	26.8
125	30.7	7.8	11.6

