

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030818\
 Data File : BG033048.D
 Acq On : 8 Mar 2018 19:46
 Operator : SJ/JU
 Sample : J1819-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-9

Quant Time: Mar 09 02:31:32 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 17:38:59 2018
 Response via : Initial Calibration

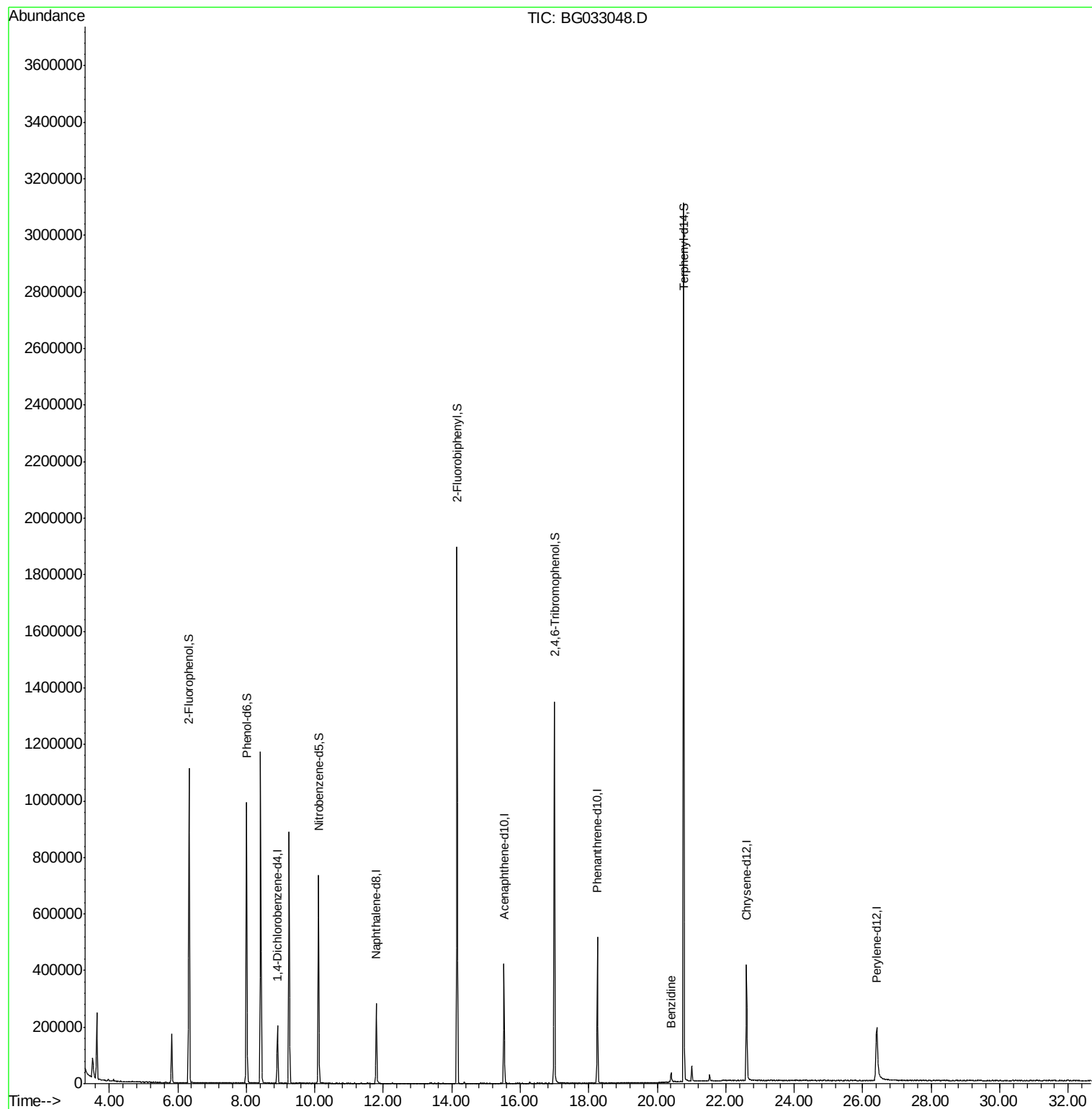
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	59583	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	256640	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	140245	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	321435	20.00	ng	0.00
75) Chrysene-d12	22.60	240	299202	20.00	ng	-0.01
86) Perylene-d12	26.41	264	282740	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	508720	136.60	ng	0.00
7) Phenol-d6	8.01	99	610806	117.66	ng	0.00
23) Nitrobenzene-d5	10.11	82	462023	120.27	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	250121	169.62	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	964872	99.23	ng	0.00
78) Terphenyl-d14	20.77	244	1420231	106.65	ng	0.00
Target Compounds						
76) Benzidine	20.41	184	26976	2.645	ng	Qvalue 96

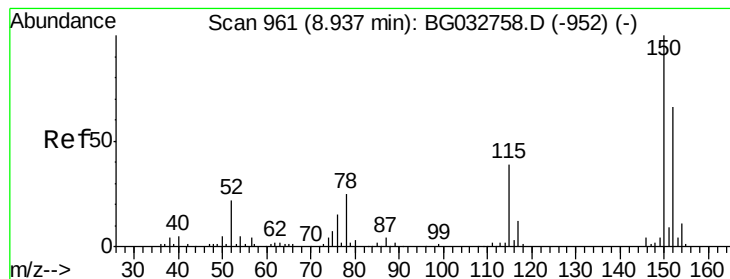
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 06 17:38:59 2018
Response via : Initial Calibration



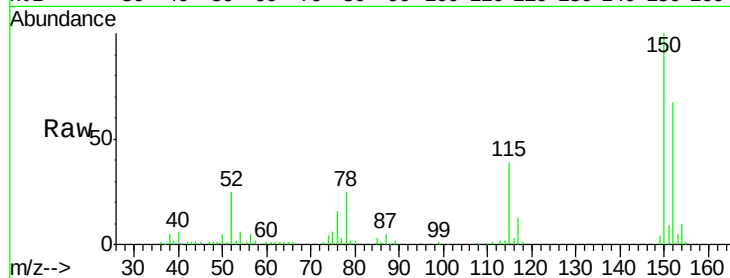


#1

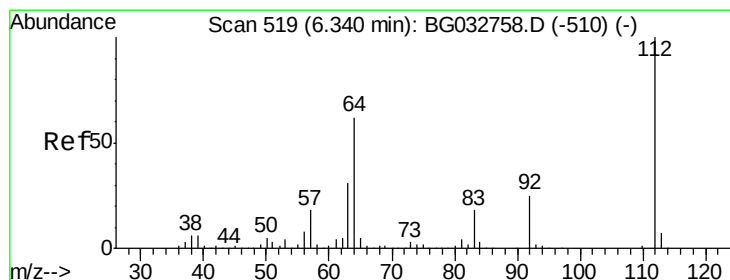
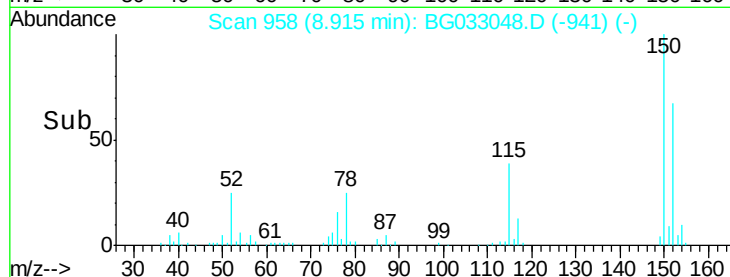
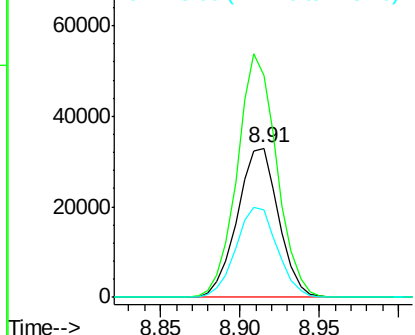
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 958
Delta R.T. 0.00 min
Lab File: BG033048.D
Acq: 8 Mar 2018 19:46

Instrument :
BNA_G
ClientSampleId :
TP-9

Tot Ion:152 Resp: 59583
Ion Ratio Lower Upper
152 100
150 148.4 126.6 189.8
115 58.4 53.0 79.4



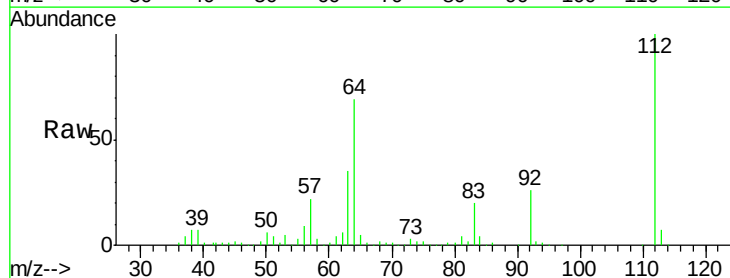
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



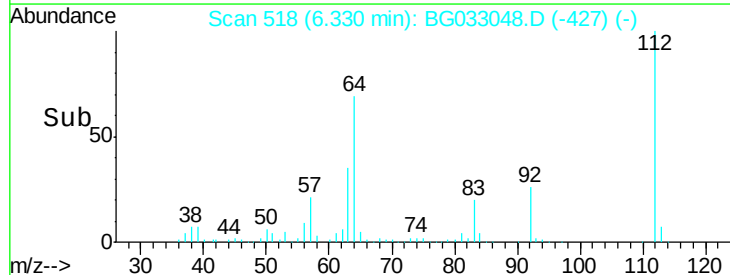
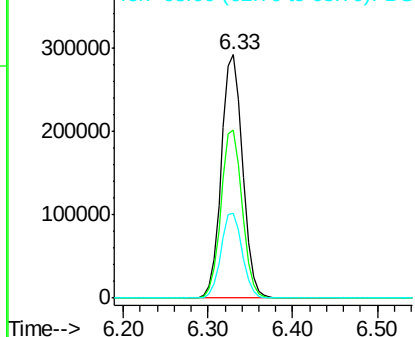
#5

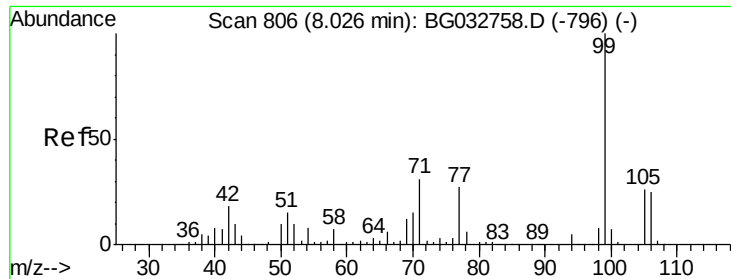
2-Fluorophenol
Concen: 136.596 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.01 min
Lab File: BG033048.D
Acq: 8 Mar 2018 19:46

Tgt Ion:112 Resp: 508720
Ion Ratio Lower Upper
112 100
64 69.2 56.3 84.5
63 35.0 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 117.664 ng

RT: 8.01 min Scan# 804

Delta R.T. 0.00 min

Lab File: BG033048.D

Acq: 8 Mar 2018 19:46

Instrument :

BNA_G

ClientSampleId :

TP-9

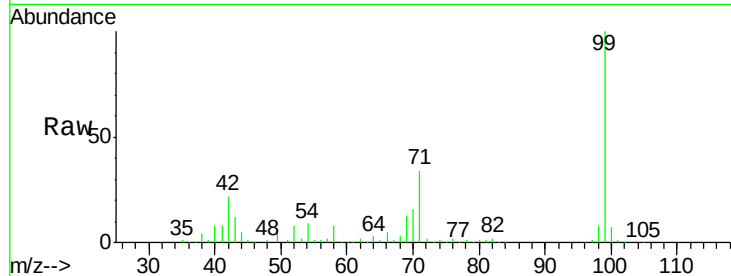
Tot Ion: 99 Resp: 610806

Ion Ratio Lower Upper

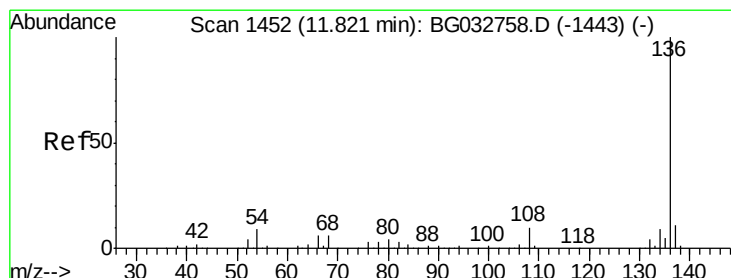
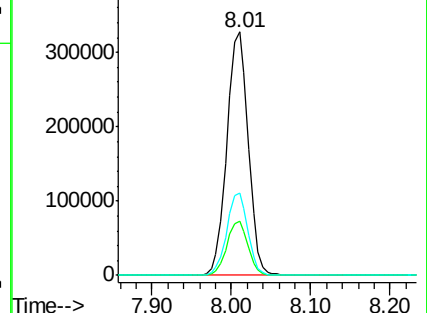
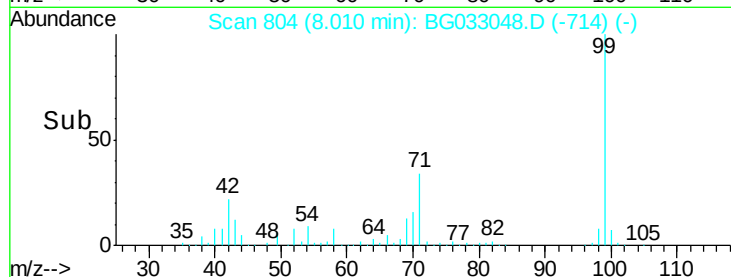
99 100

42 22.2 14.1 21.1#

71 33.9 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.80 min Scan# 1449

Delta R.T. 0.00 min

Lab File: BG033048.D

Acq: 8 Mar 2018 19:46

Tgt Ion: 136 Resp: 256640

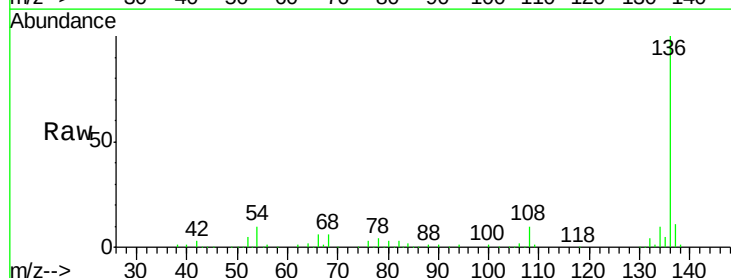
Ion Ratio Lower Upper

136 100

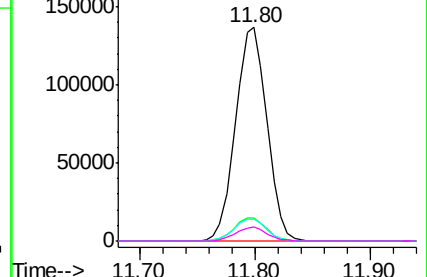
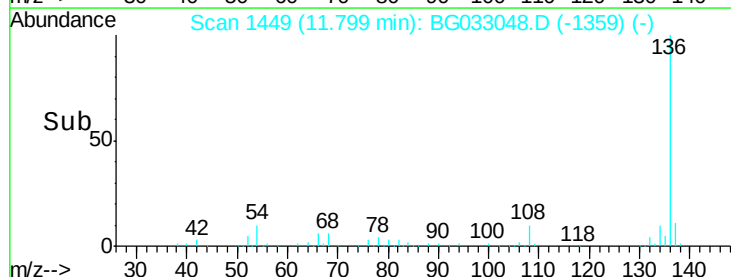
137 10.6 9.2 13.8

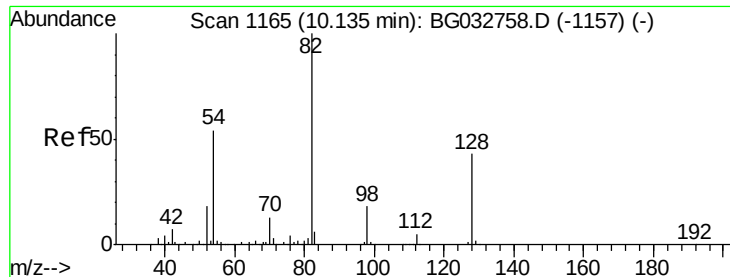
54 10.1 10.3 15.5#

68 6.4 4.5 6.7



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

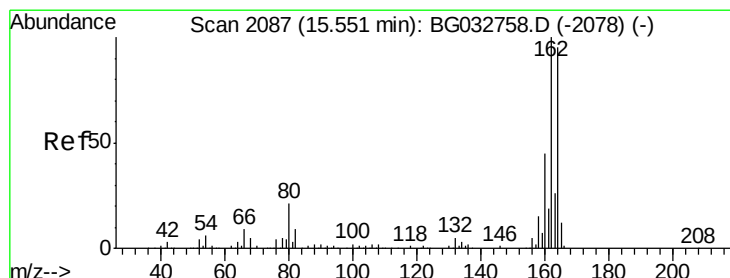
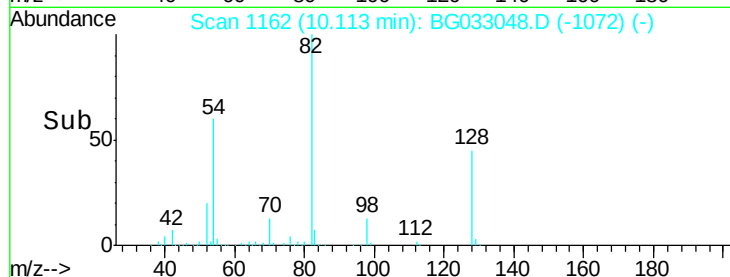
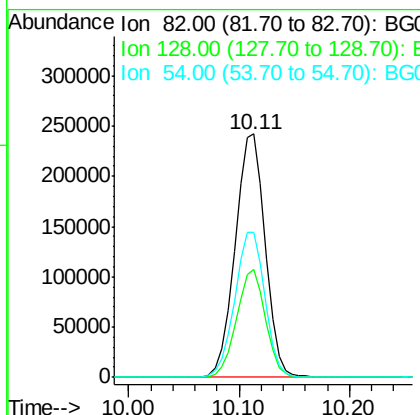
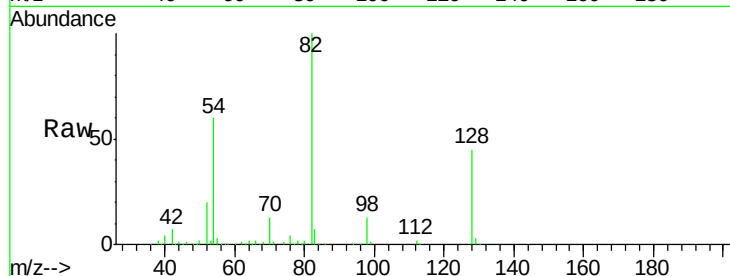




#23
Nitrobenzene-d5
Concen: 120.274 ng
RT: 10.11 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BG033048.D
Acq: 8 Mar 2018 19:46

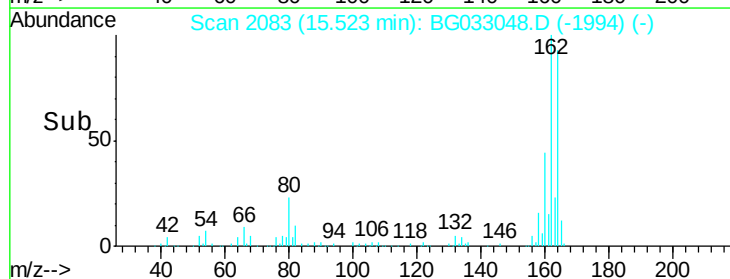
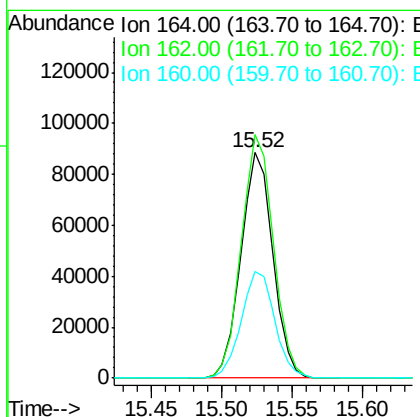
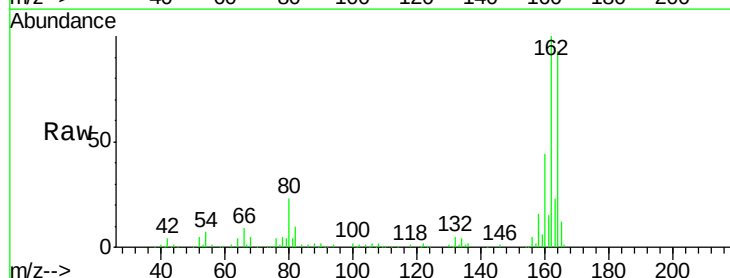
Instrument :
BNA_G
ClientSampleId :
TP-9

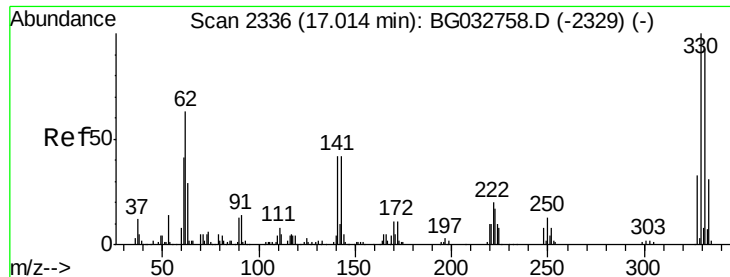
Tot Ion: 82 Resp: 462023
Ion Ratio Lower Upper
82 100
128 44.6 29.7 44.5#
54 59.6 43.1 64.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.52 min Scan# 2083
Delta R.T. -0.00 min
Lab File: BG033048.D
Acq: 8 Mar 2018 19:46

Tgt Ion:164 Resp: 140245
Ion Ratio Lower Upper
164 100
162 108.1 78.8 118.2
160 47.4 35.4 53.0

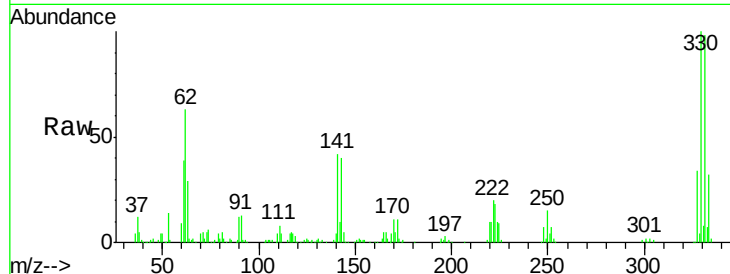




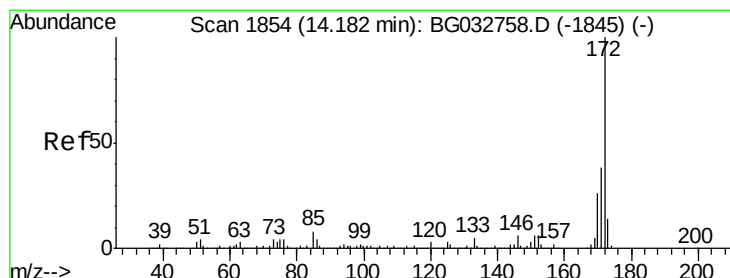
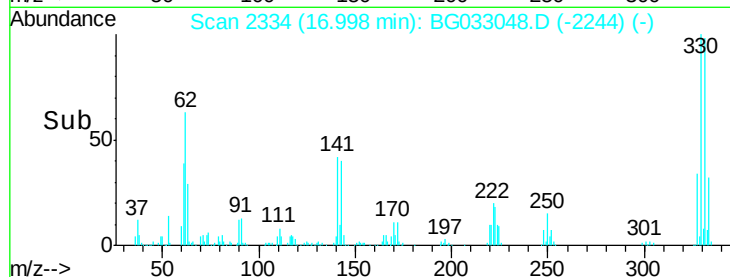
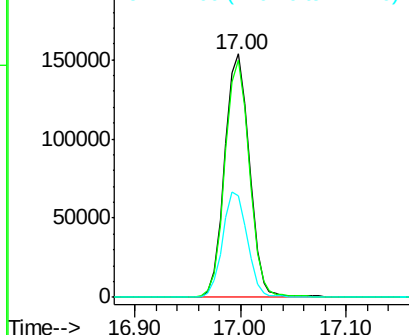
#41
 2,4,6-Tribromophenol
 Concen: 169.616 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. 0.00 min
 Lab File: BG033048.D
 Acq: 8 Mar 2018 19:46

Instrument :
 BNA_G
 ClientSampleId :
 TP-9

Tot Ion:330 Resp: 250121
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 43.2 25.2 37.8#

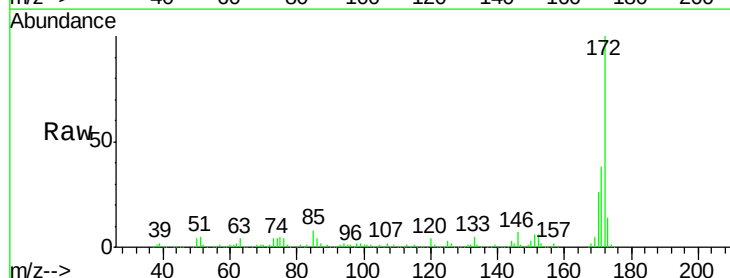


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

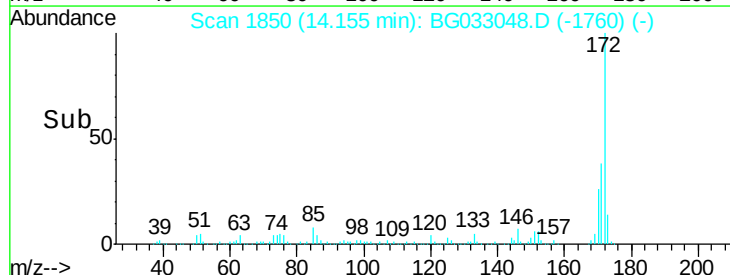
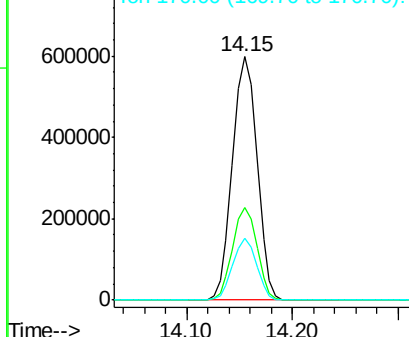


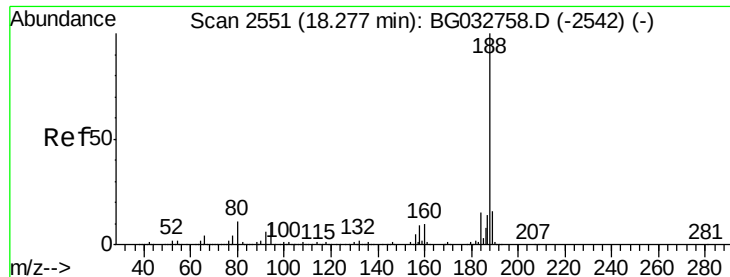
#44
 2-Fluorobiphenyl
 Concen: 99.226 ng
 RT: 14.15 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BG033048.D
 Acq: 8 Mar 2018 19:46

Tgt Ion:172 Resp: 964872
 Ion Ratio Lower Upper
 172 100
 171 38.2 30.0 45.0
 170 25.5 19.5 29.3



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: 20.000 ng

RT: 18.25 min Scan# 2547

Delta R.T. -0.00 min

Lab File: BG033048.D

Acq: 8 Mar 2018 19:46

Instrument :

BNA_G

ClientSampled :

TP-9

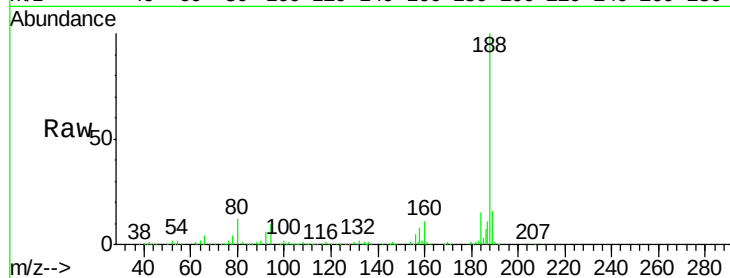
Tot Ion:188 Resp: 321435

Ion Ratio Lower Upper

188 100

94 10.4 6.9 10.3#

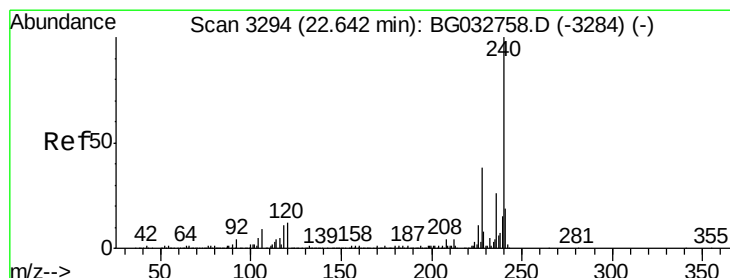
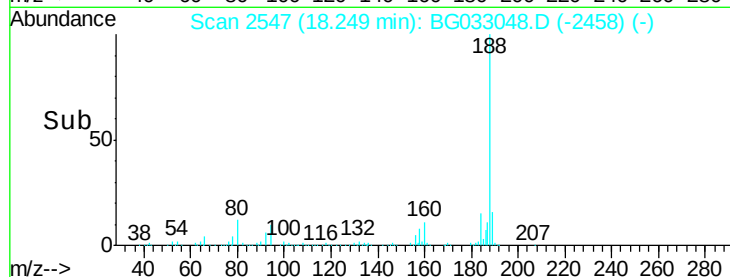
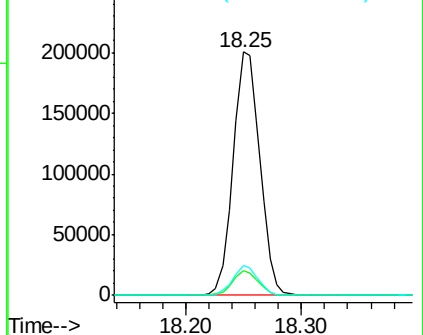
80 12.3 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.60 min Scan# 3288

Delta R.T. -0.01 min

Lab File: BG033048.D

Acq: 8 Mar 2018 19:46

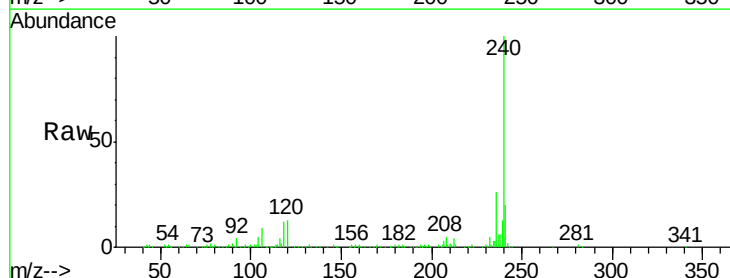
Tgt Ion:240 Resp: 299202

Ion Ratio Lower Upper

240 100

120 12.6 6.8 10.2#

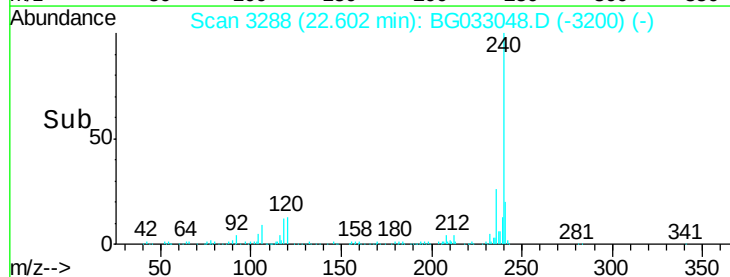
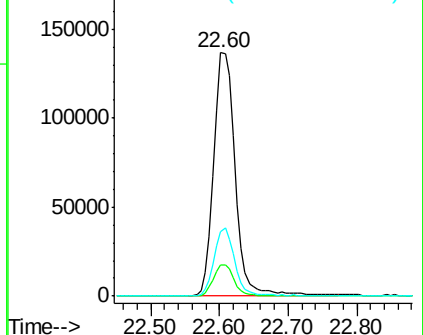
236 26.2 20.9 31.3

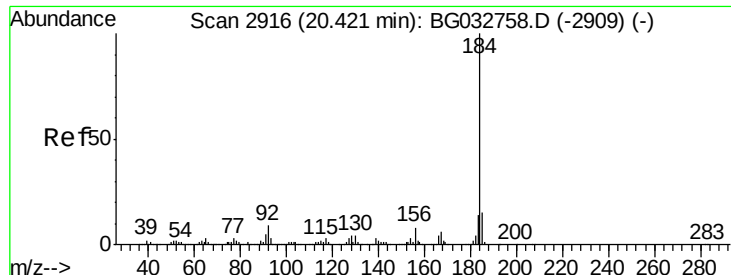


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.645 ng

RT: 20.41 min Scan# 2914

Delta R.T. 0.00 min

Lab File: BG033048.D

Acq: 8 Mar 2018 19:46

Instrument :

BNA_G

ClientSampleId :

TP-9

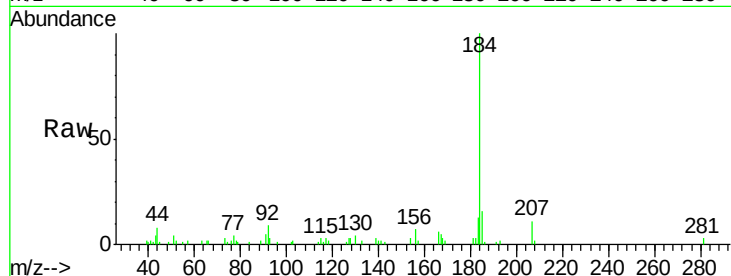
Tot Ion:184 Resp: 26976

Ion Ratio Lower Upper

184 100

185 16.1 11.1 16.7

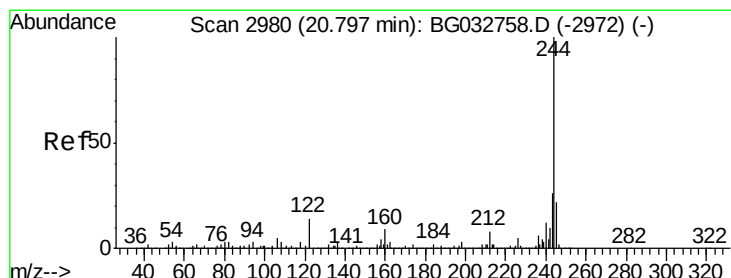
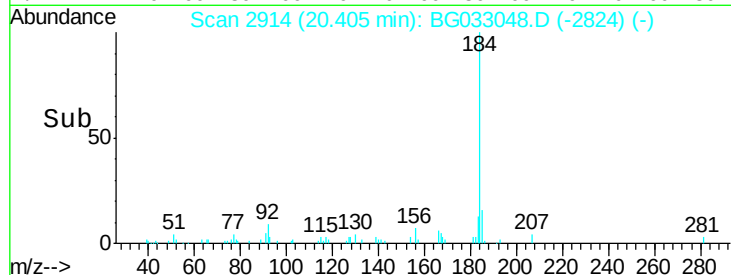
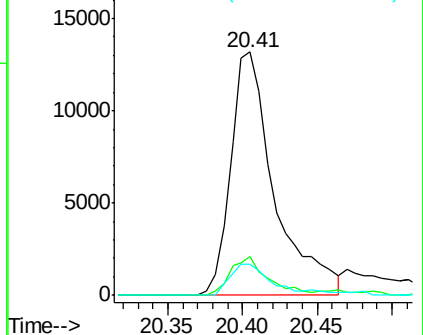
183 12.6 10.6 16.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 106.646 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BG033048.D

Acq: 8 Mar 2018 19:46

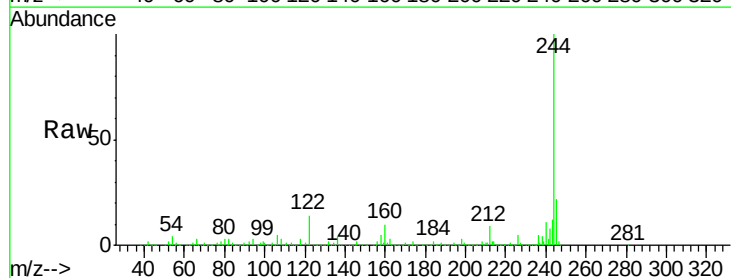
Tgt Ion:244 Resp: 1420231

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

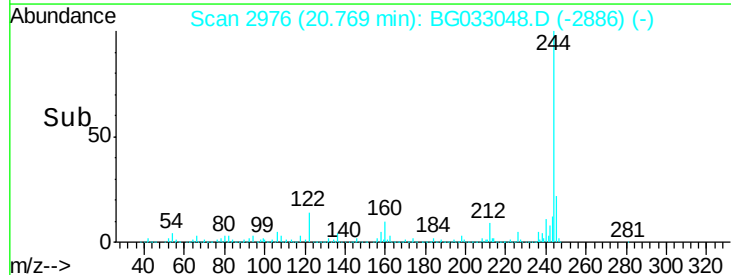
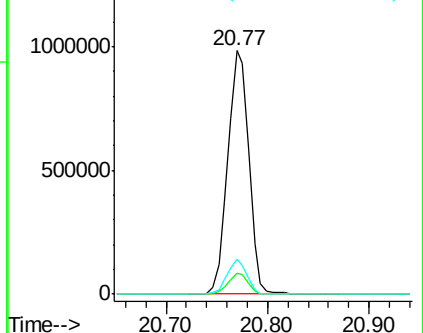
122 14.1 7.0 10.4#

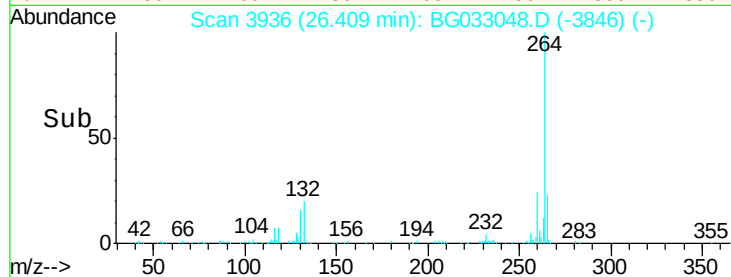
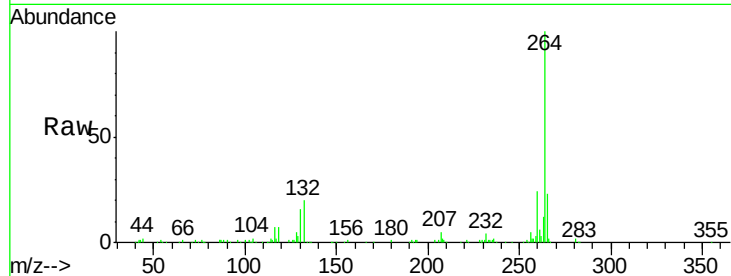
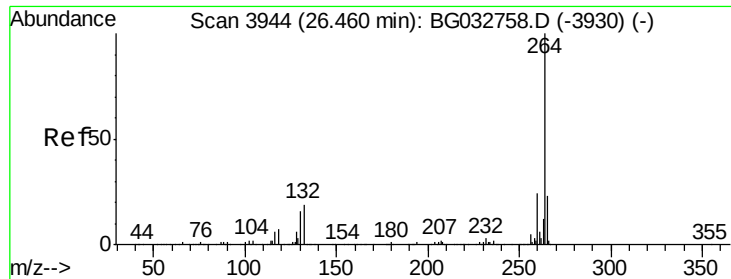


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 26.41 min Scan# 3936

Delta R.T. 0.00 min

Lab File: BG033048.D

Acq: 8 Mar 2018 19:46

Instrument :

BNA_G

ClientSampleId :

TP-9

Tot Ion:264 Resp: 282740

Ion Ratio Lower Upper

264 100

260 24.5 17.4 26.0

265 22.7 17.7 26.5

