

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042518\
 Data File : BG034014.D
 Acq On : 26 Apr 2018 9:11
 Operator : SJ/JU
 Sample : J2543-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TOTE

Quant Time: Apr 26 15:15:46 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

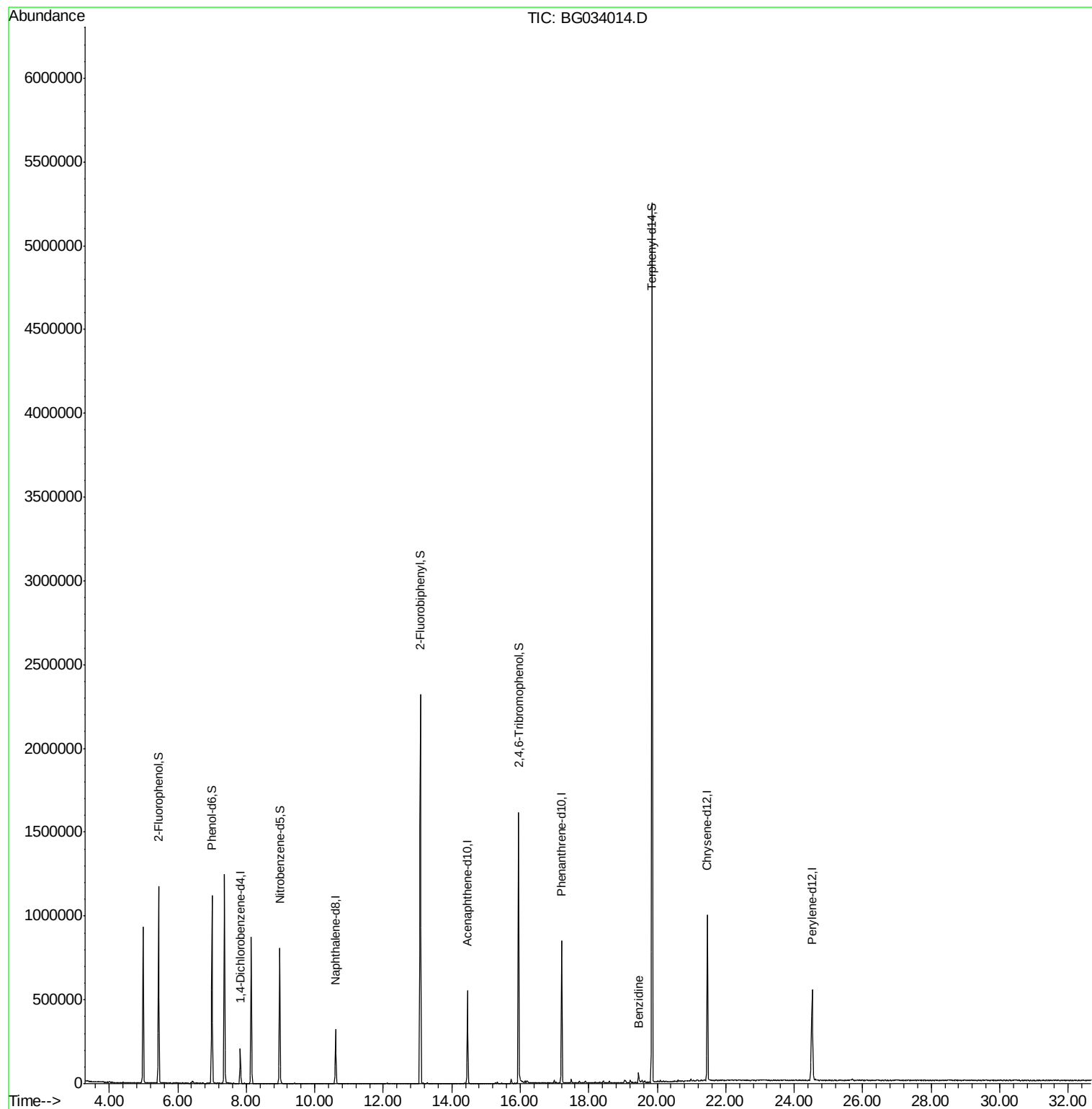
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	58611	20.00	ng	-0.01
21) Naphthalene-d8	10.61	136	272171	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	191998	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	520924	20.00	ng	-0.02
75) Chrysene-d12	21.46	240	581595	20.00	ng	-0.03
86) Perylene-d12	24.52	264	574879	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	492689	134.21	ng	0.00
7) Phenol-d6	7.00	99	632434	118.11	ng	0.00
23) Nitrobenzene-d5	8.98	82	475619	99.45	ng	-0.01
41) 2,4,6-Tribromophenol	15.95	330	307440	137.25	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1261660	96.53	ng	-0.02
78) Terphenyl-d14	19.84	244	2429890	93.86	ng	-0.02
Target Compounds						
76) Benzidine	19.46	184	37762	2.404	ng	Qvalue # 94

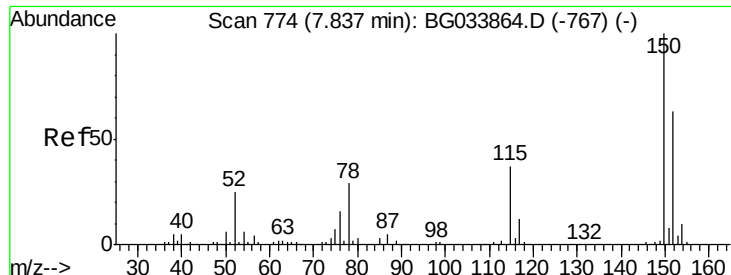
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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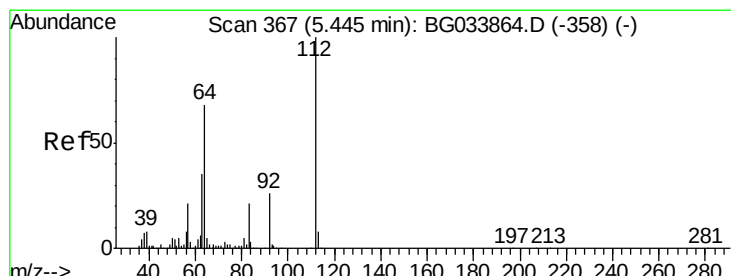
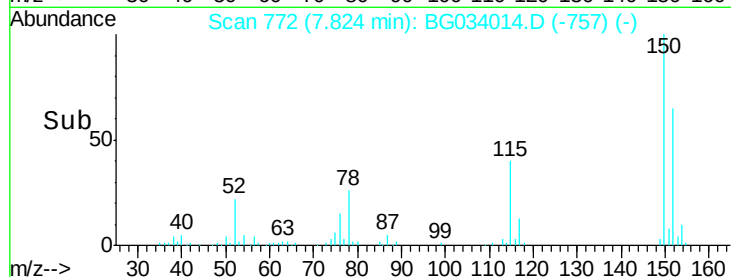
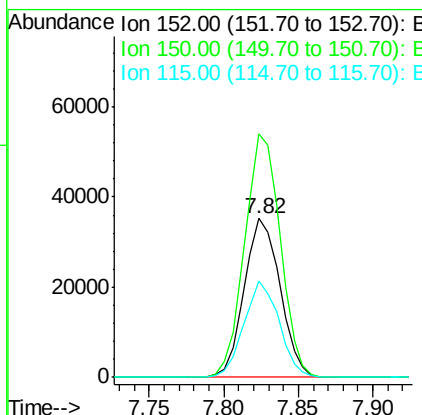
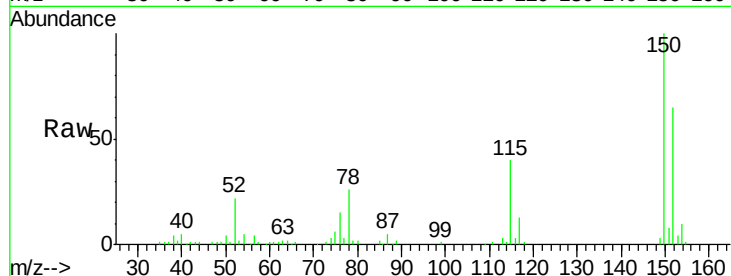


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.82 min Scan# 772
 Delta R.T. -0.01 min
 Lab File: BG034014.D
 Acq: 26 Apr 2018 9:11

Instrument :
 BNA_G
 ClientSampleId :
 TOTE

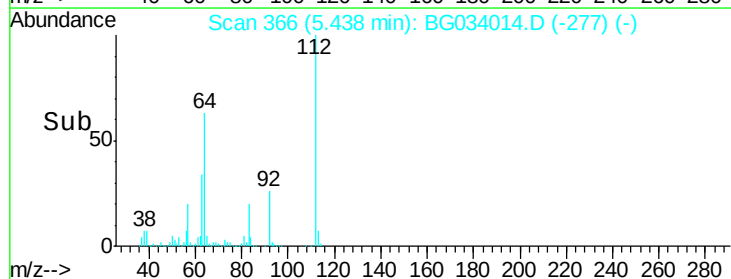
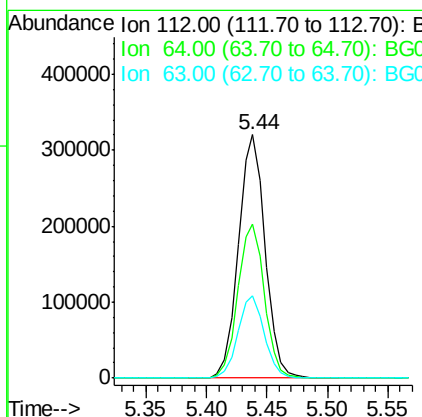
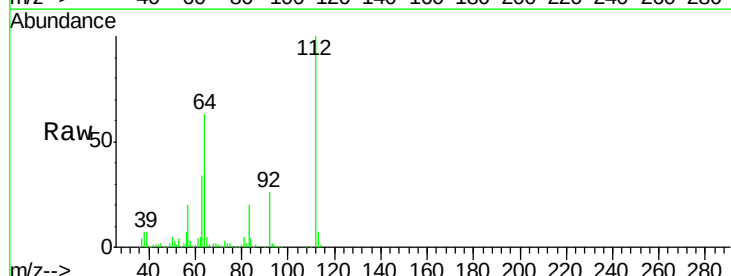
Tot Ion:152 Resp: 58611
 Ion Ratio Lower Upper
 152 100
 150 153.5 126.6 189.8
 115 60.8 53.0 79.4

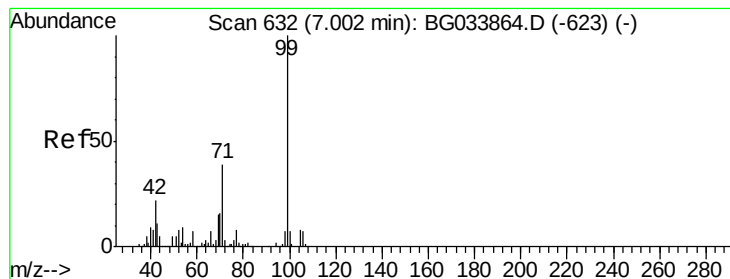


#5

2-Fluorophenol
 Concen: 134.206 ng
 RT: 5.44 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: BG034014.D
 Acq: 26 Apr 2018 9:11

Tgt Ion:112 Resp: 492689
 Ion Ratio Lower Upper
 112 100
 64 63.4 56.3 84.5
 63 33.8 30.1 45.1





#7

Phenol-d6

Concen: 118.111 ng

RT: 7.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: BG034014.D

Acq: 26 Apr 2018 9:11

Instrument :

BNA_G

ClientSampleId :

TOTE

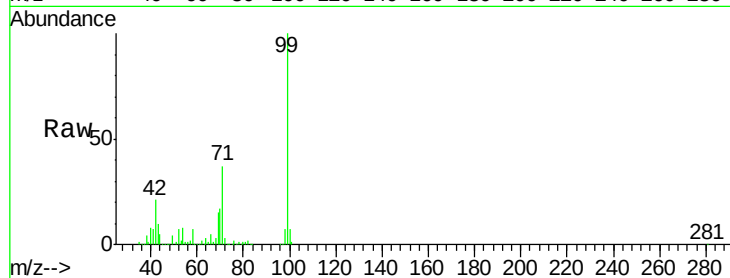
Tot Ion: 99 Resp: 632434

Ion Ratio Lower Upper

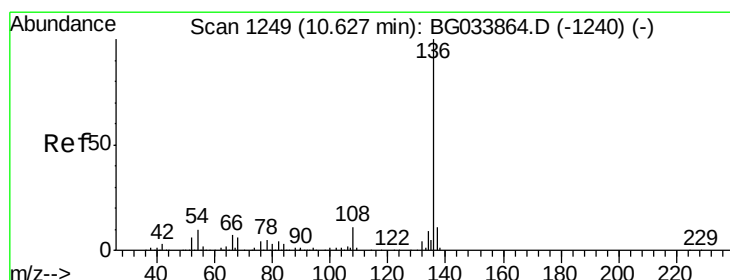
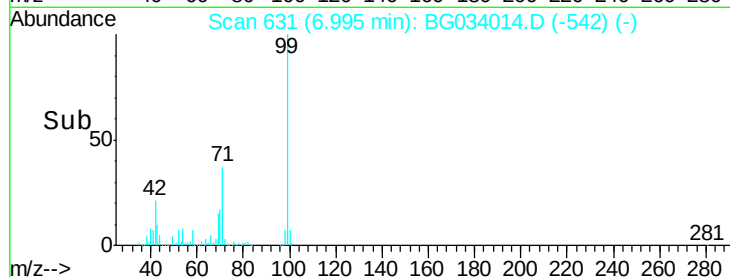
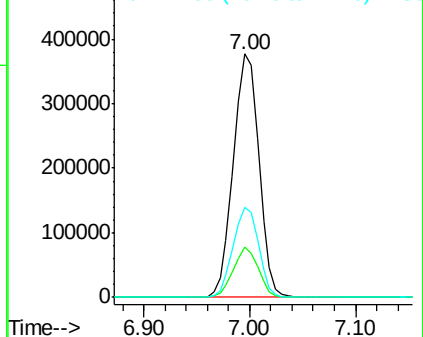
99 100

42 20.7 14.1 21.1

71 36.8 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: 10.61 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BG034014.D

Acq: 26 Apr 2018 9:11

Tgt Ion: 136 Resp: 272171

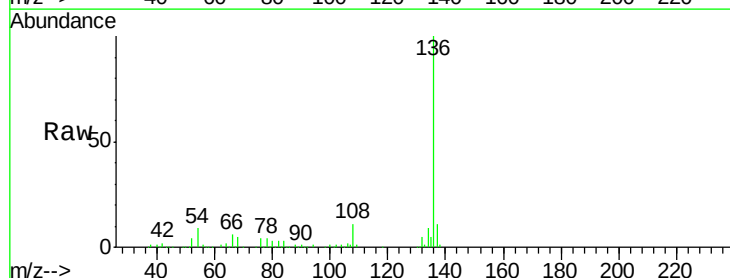
Ion Ratio Lower Upper

136 100

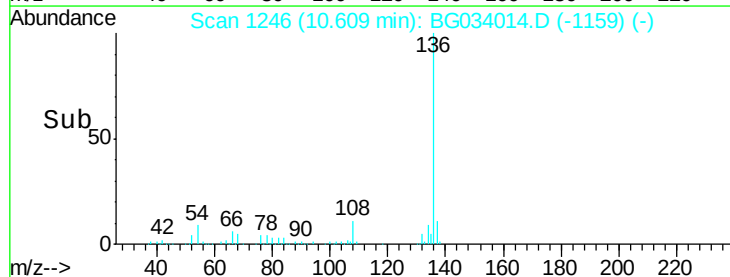
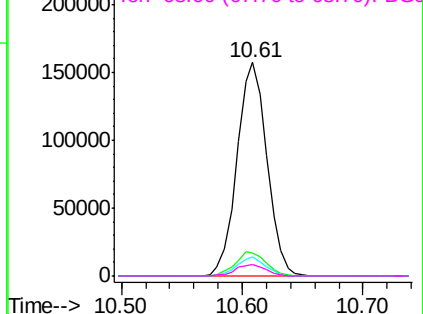
137 11.0 9.2 13.8

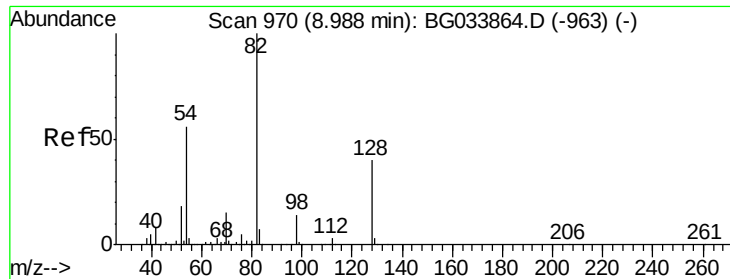
54 8.8 10.3 15.5#

68 5.3 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

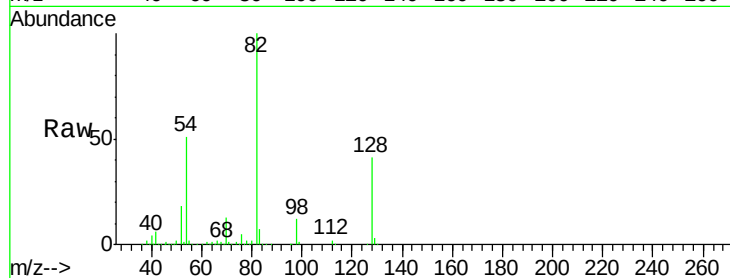




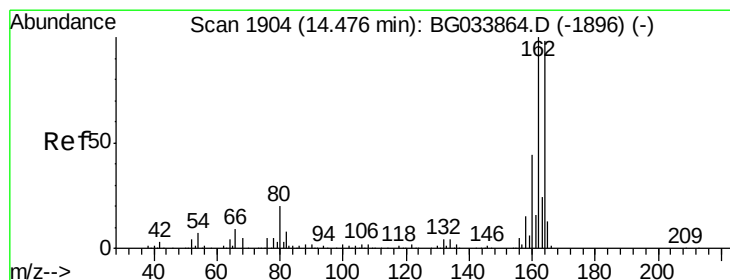
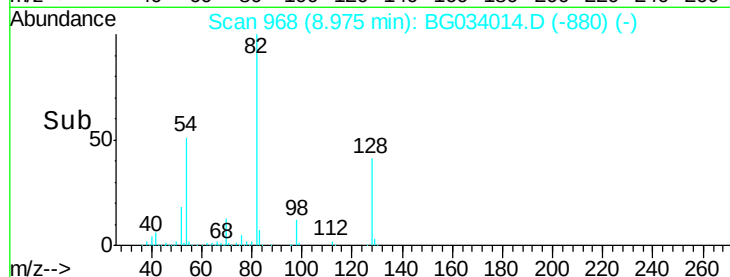
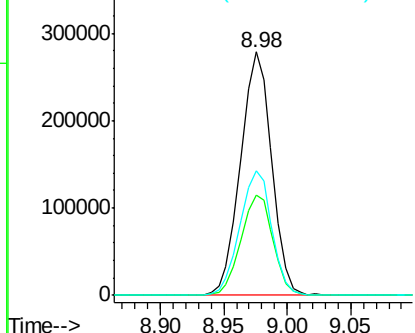
#23
 Nitrobenzene-d5
 Concen: 99.450 ng
 RT: 8.98 min Scan# 968
 Delta R.T. -0.01 min
 Lab File: BG034014.D
 Acq: 26 Apr 2018 9:11

Instrument :
 BNA_G
 ClientSampled :
 TOTE

Tot Ion	82	Resp	475619
Ion Ratio	Lower	Upper	
82	100		
128	41.3	29.7	44.5
54	51.1	43.1	64.7

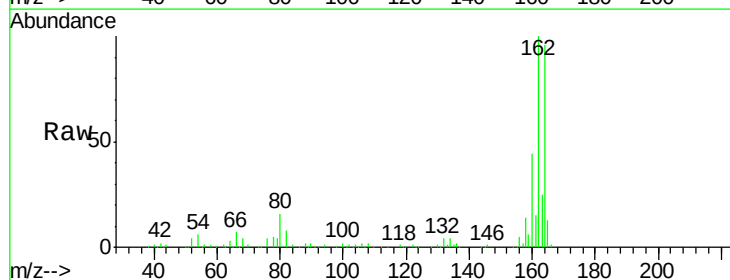


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

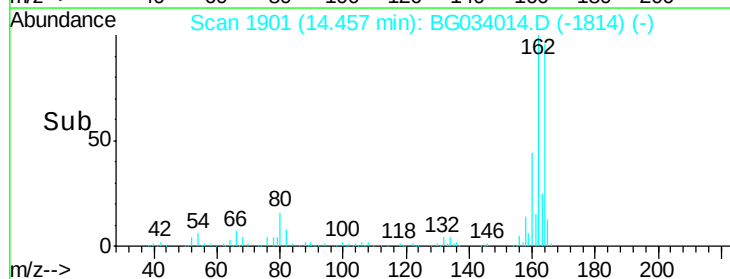
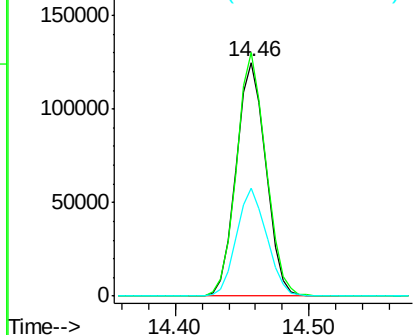


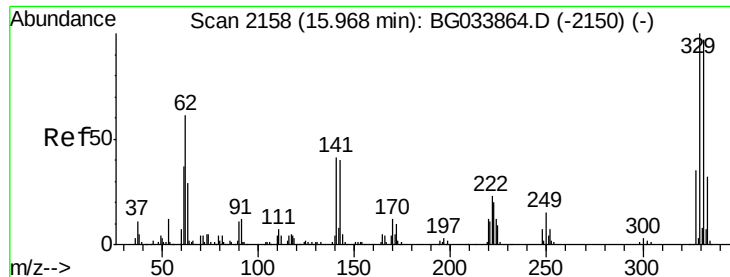
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. -0.02 min
 Lab File: BG034014.D
 Acq: 26 Apr 2018 9:11

Tgt Ion	164	Resp	191998
Ion Ratio	Lower	Upper	
164	100		
162	104.1	78.8	118.2
160	46.2	35.4	53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC





#41

2,4,6-Tribromophenol

Concen: 137.252 ng

RT: 15.95 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BG034014.D

Acq: 26 Apr 2018 9:11

Instrument :

BNA_G

ClientSampleId :

TOTE

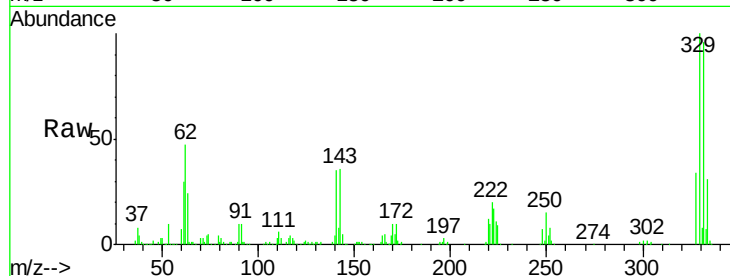
Tot Ion:330 Resp: 307440

Ion Ratio Lower Upper

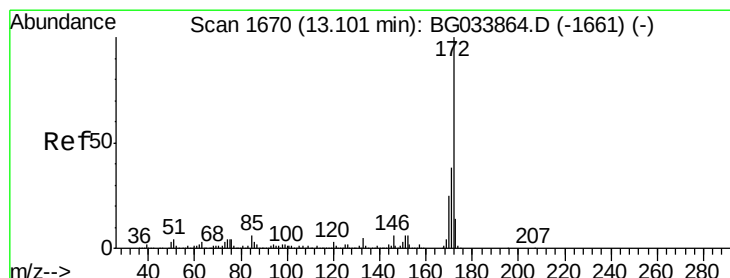
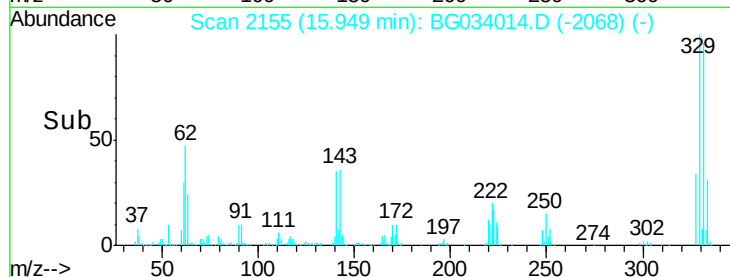
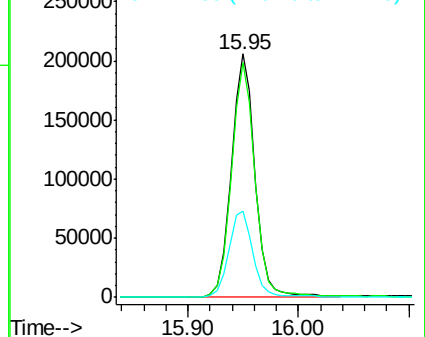
330 100

332 96.7 77.0 115.6

141 36.0 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: 96.533 ng

RT: 13.08 min Scan# 1667

Delta R.T. -0.02 min

Lab File: BG034014.D

Acq: 26 Apr 2018 9:11

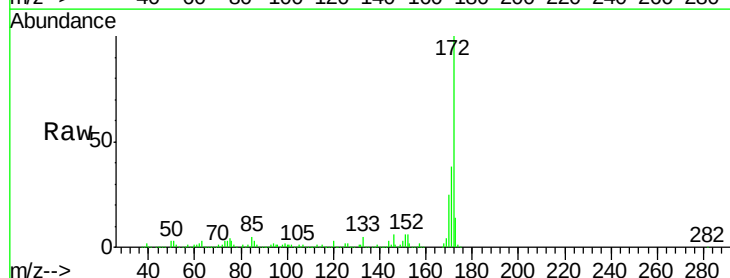
Tgt Ion:172 Resp: 1261660

Ion Ratio Lower Upper

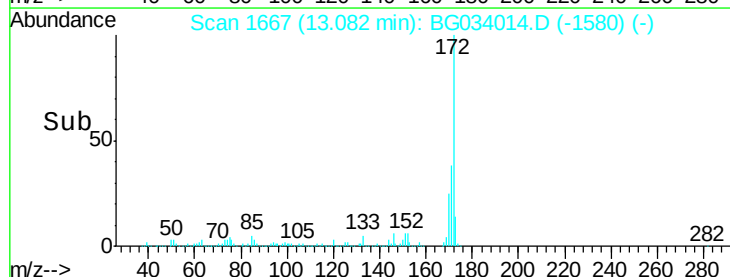
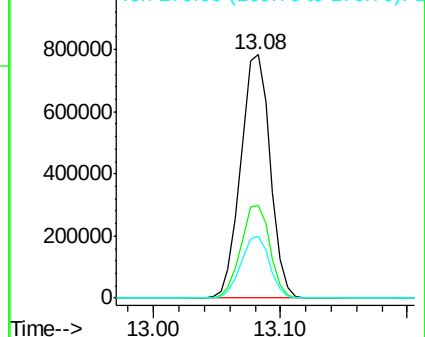
172 100

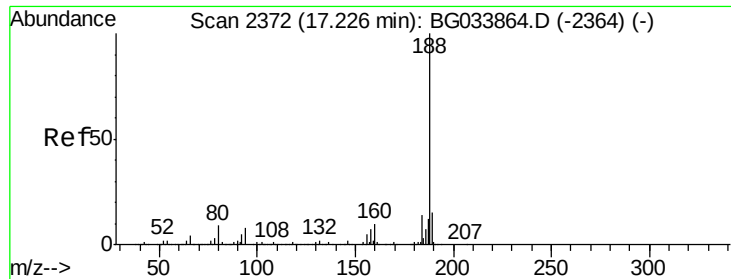
171 38.3 30.0 45.0

170 25.2 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: 17.21 min Scan# 2369

Delta R.T. -0.02 min

Lab File: BG034014.D

Acq: 26 Apr 2018 9:11

Instrument :

BNA_G

ClientSampleId :

TOTE

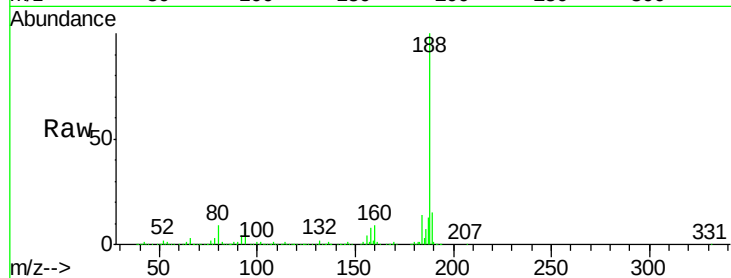
Tot Ion:188 Resp: 520924

Ion Ratio Lower Upper

188 100

94 7.1 6.9 10.3

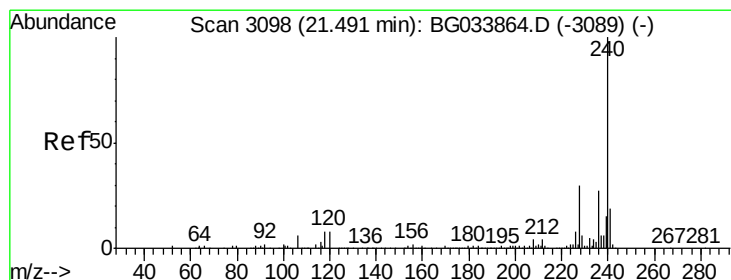
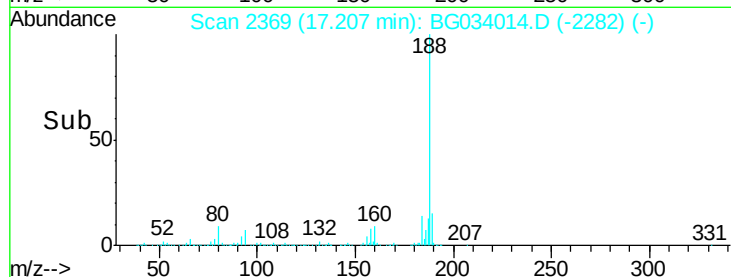
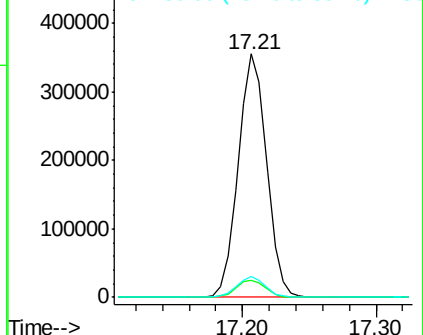
80 8.7 7.7 11.5



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: 21.46 min Scan# 3093

Delta R.T. -0.03 min

Lab File: BG034014.D

Acq: 26 Apr 2018 9:11

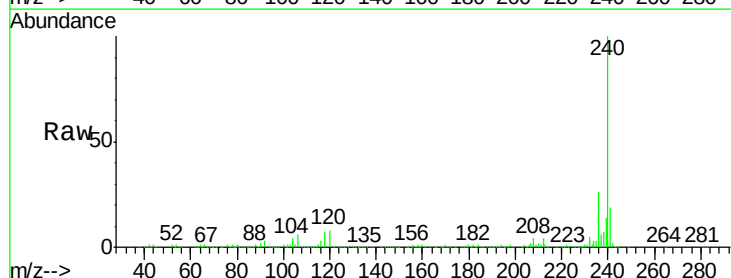
Tgt Ion:240 Resp: 581595

Ion Ratio Lower Upper

240 100

120 7.8 6.8 10.2

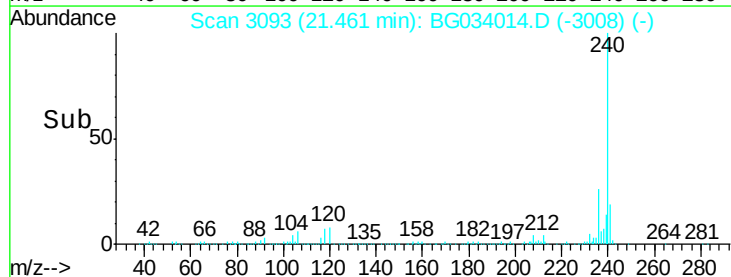
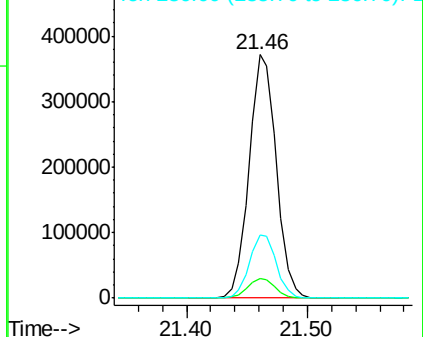
236 25.8 20.9 31.3

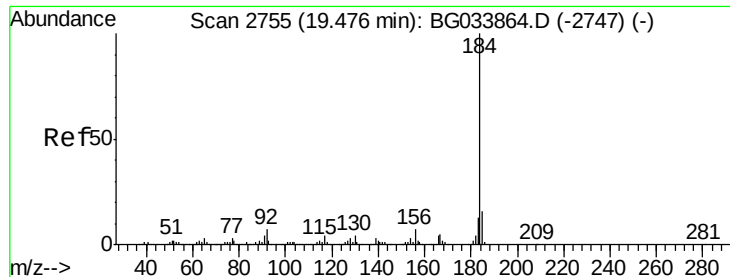


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.404 ng

RT: 19.46 min Scan# 2752

Delta R.T. -0.02 min

Lab File: BG034014.D

Acq: 26 Apr 2018 9:11

Instrument :

BNA_G

ClientSampleId :

TOTE

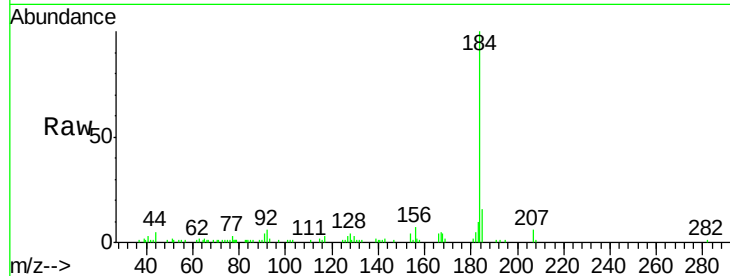
Tot Ion:184 Resp: 37762

Ion Ratio Lower Upper

184 100

185 15.7 11.1 16.7

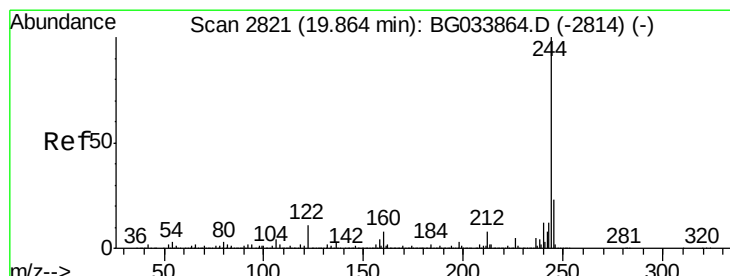
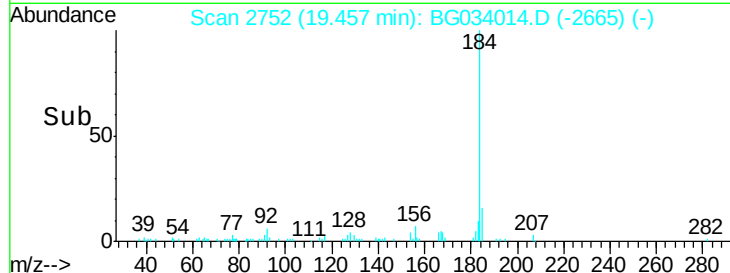
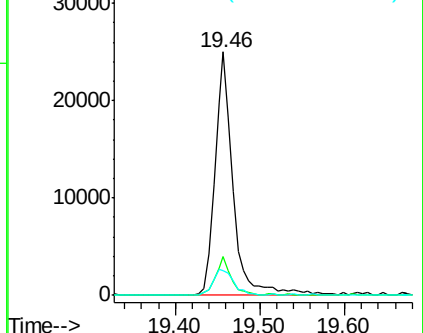
183 10.1 10.6 16.0#



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: 93.863 ng

RT: 19.84 min Scan# 2818

Delta R.T. -0.02 min

Lab File: BG034014.D

Acq: 26 Apr 2018 9:11

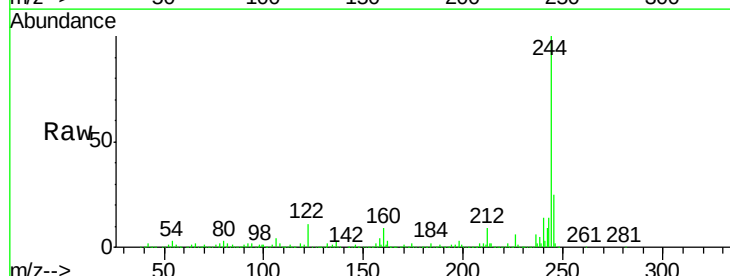
Tgt Ion:244 Resp: 2429890

Ion Ratio Lower Upper

244 100

212 9.3 5.8 8.8#

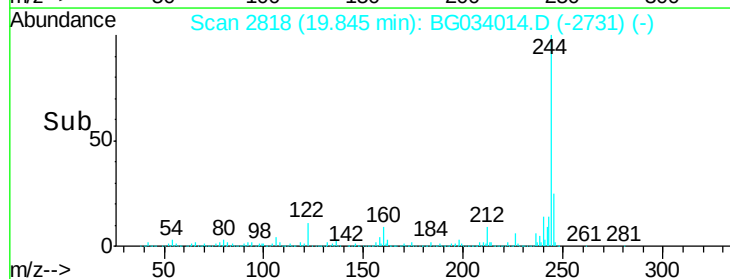
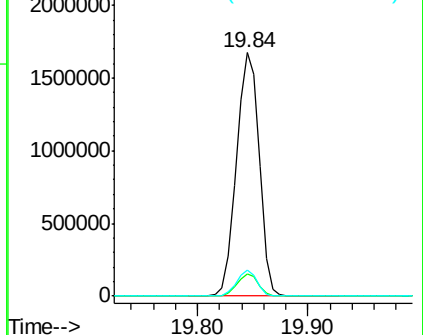
122 10.7 7.0 10.4#

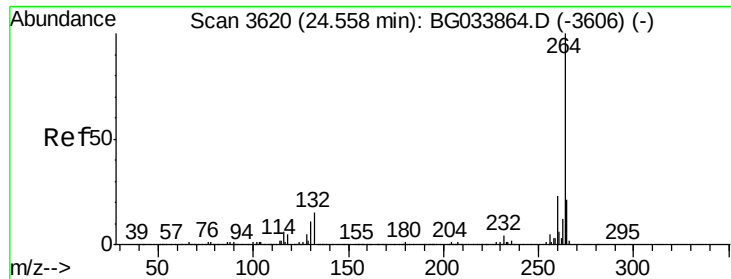


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.52 min Scan# 3613
Delta R.T. -0.04 min
Lab File: BG034014.D
Acq: 26 Apr 2018 9:11

Instrument :
BNA_G
ClientSampleId :
TOTE

Tot Ion: 264 Resp: 574879

Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.4	26.0
265	21.0	17.7	26.5

