

Data Path : Z:\HPCHEM1\BNA G\DATA\BG072916\
 Data File : BG023332.D
 Acq On : 29 Jul 2016 9:04
 Operator : UM/SJ
 Sample : H4213-17
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 L-6

Quant Time: Jul 29 13:28:22 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 17:30:33 2016
 Response via : Initial Calibration

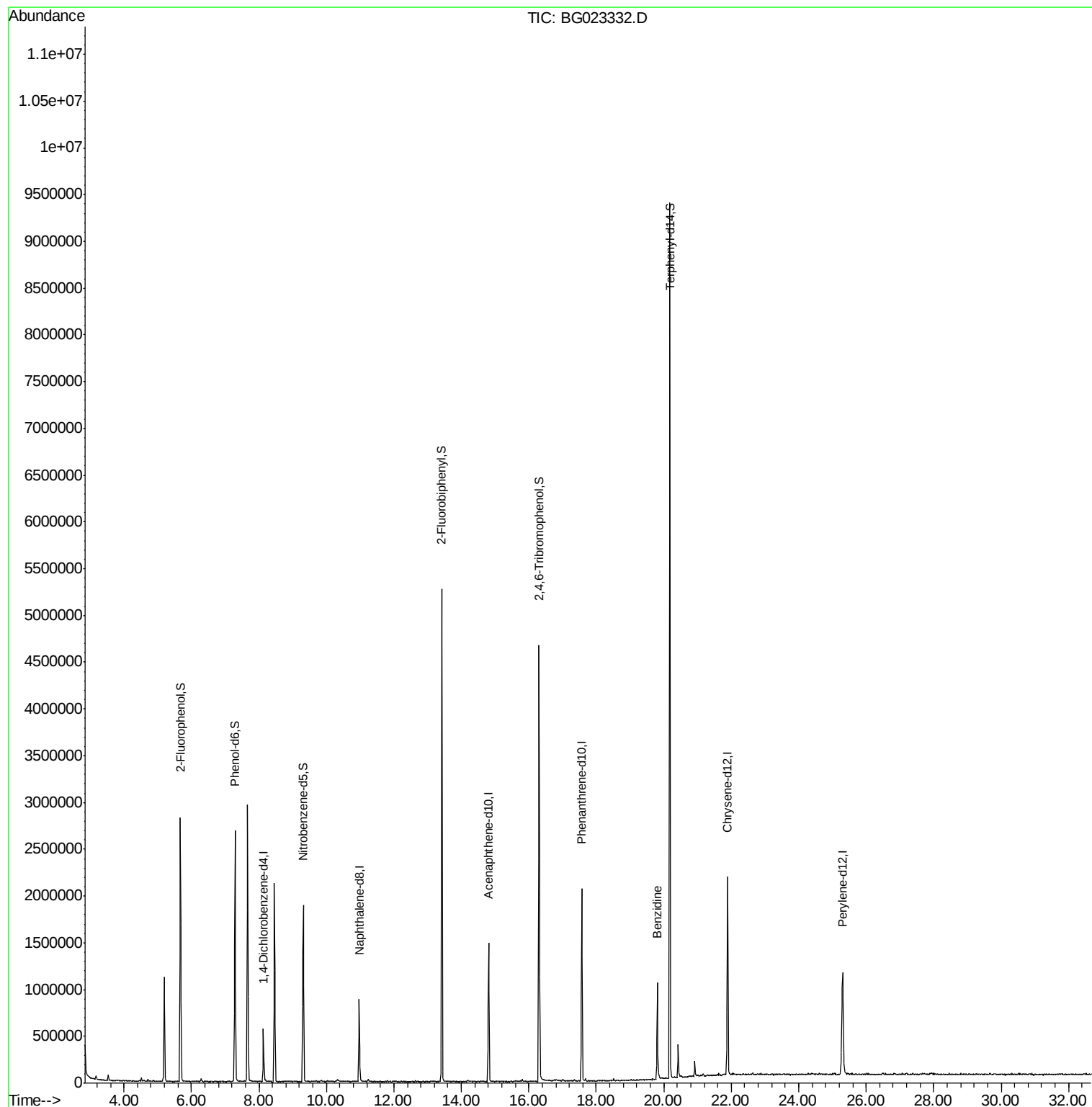
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	160458	20.00	ng	0.00
21) Naphthalene-d8	10.97	136	722297	20.00	ng	0.00
38) Acenaphthene-d10	14.81	164	517740	20.00	ng	0.00
63) Phenanthrene-d10	17.57	188	1228717	20.00	ng	0.00
75) Chrysene-d12	21.89	240	1250062	20.00	ng	0.00
86) Perylene-d12	25.30	264	1271567	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	1186281	126.21	ng	0.00
7) Phenol-d6	7.29	99	1662555	115.21	ng	0.00
23) Nitrobenzene-d5	9.31	82	1232905	83.47	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	830353	154.95	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	2511300	90.78	ng	0.00
78) Terphenyl-d14	20.18	244	3300434	85.83	ng	0.00
Target Compounds						
76) Benzidine	19.81	184	645619	18.36	ng	Qvalue 99

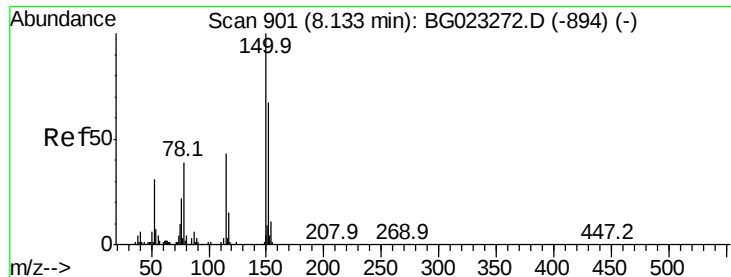
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.13 min Scan# 901

Delta R.T. -0.01 min

Lab File: BG023332.D

Acq: 29 Jul 2016 9:04

Instrument :

BNA_G

ClientSampleId :

L-6

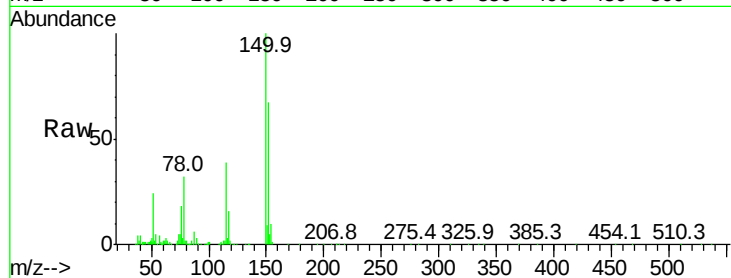
Tot Ion:152 Resp: 160458

Ion Ratio Lower Upper

152 100

150 150.1 144.7 217.1

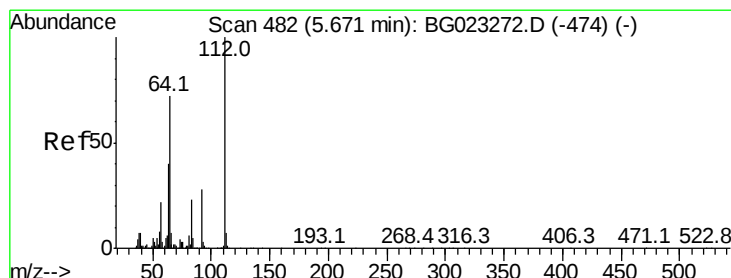
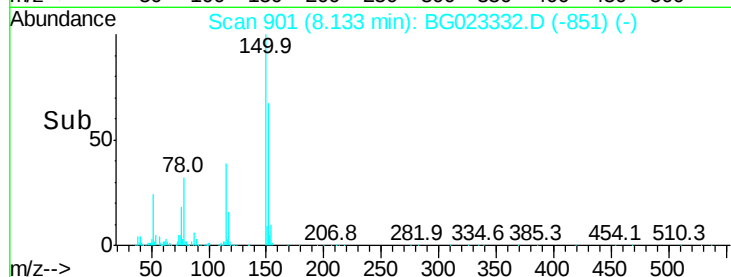
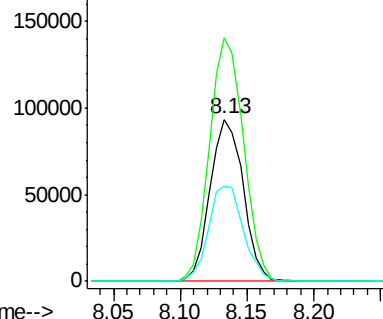
115 58.5 64.0 96.0#



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: 126.21 ng

RT: 5.67 min Scan# 482

Delta R.T. -0.00 min

Lab File: BG023332.D

Acq: 29 Jul 2016 9:04

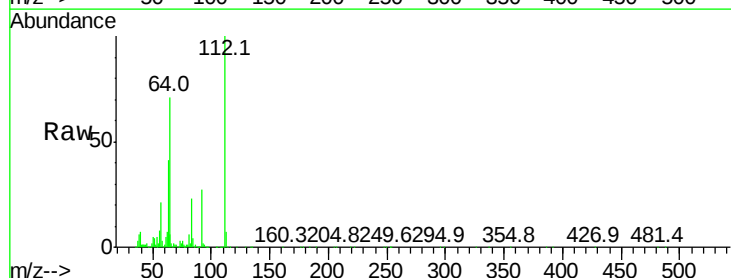
Tgt Ion:112 Resp: 1186281

Ion Ratio Lower Upper

112 100

64 70.5 59.0 88.4

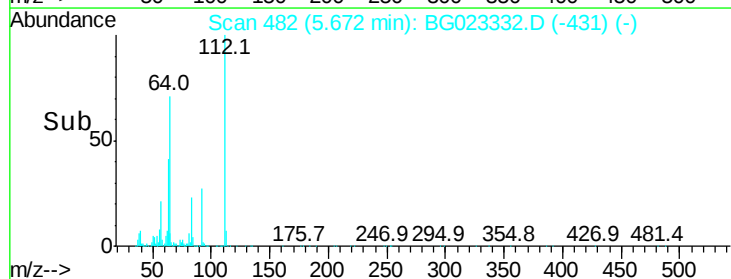
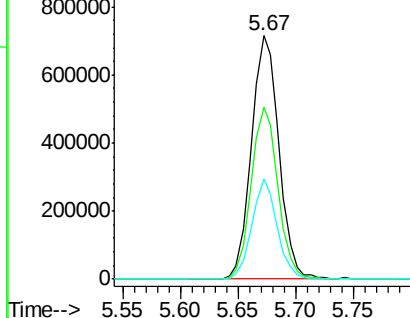
63 41.1 37.8 56.8

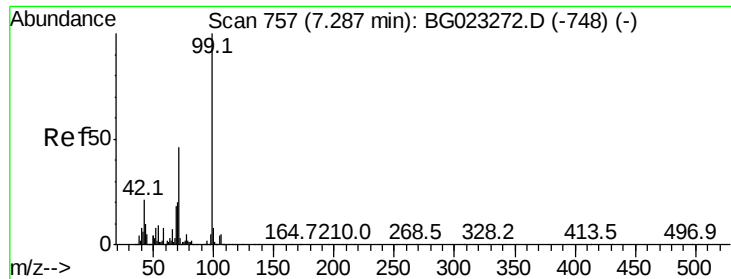


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 115.21 ng

RT: 7.29 min Scan# 757

Delta R.T. -0.00 min

Lab File: BG023332.D

Acq: 29 Jul 2016 9:04

Instrument :

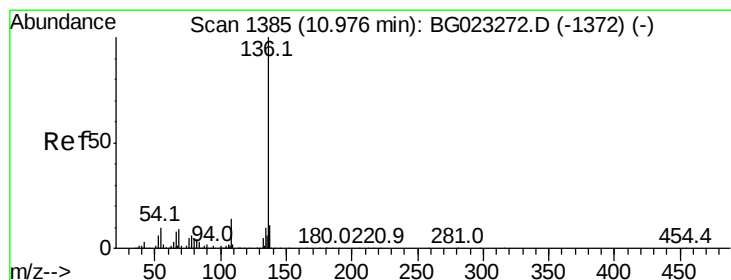
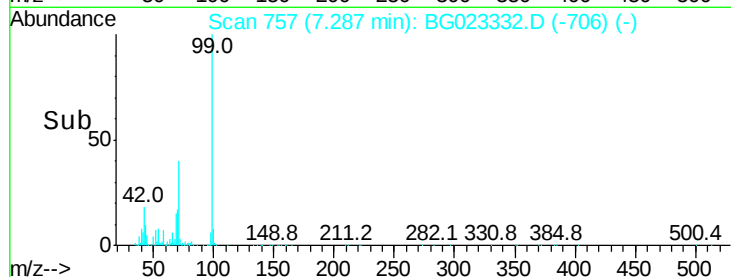
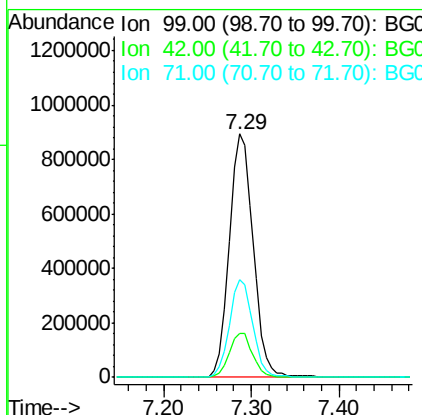
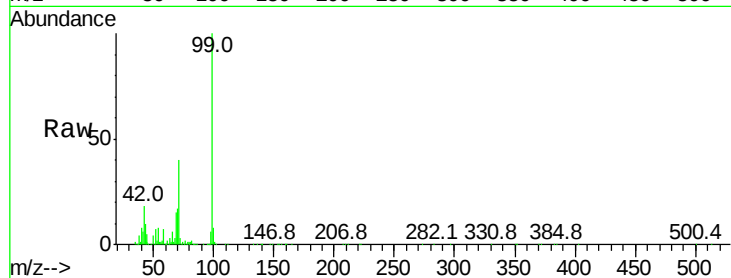
BNA_G

ClientSampleId :

L-6

Tot Ion: 99 Resp: 1662555

Ion	Ratio	Lower	Upper
99	100		
42	18.2	17.8	26.6
71	40.4	41.5	62.3#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.97 min Scan# 1384

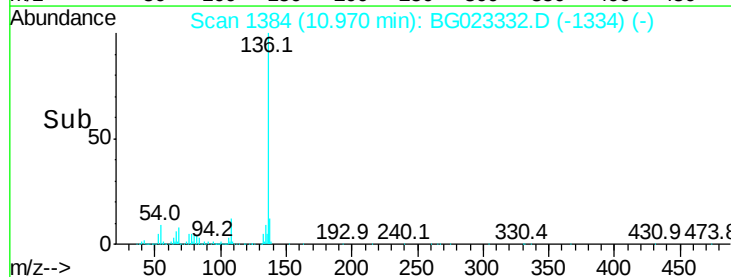
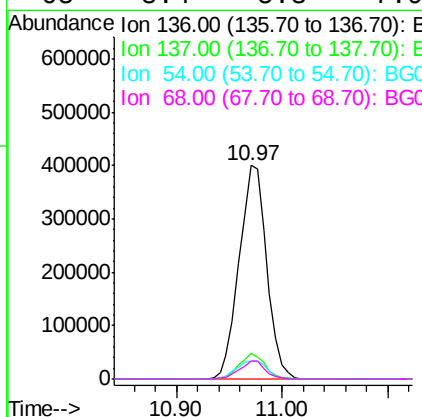
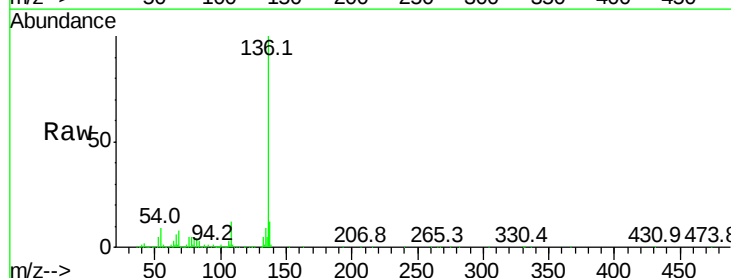
Delta R.T. -0.01 min

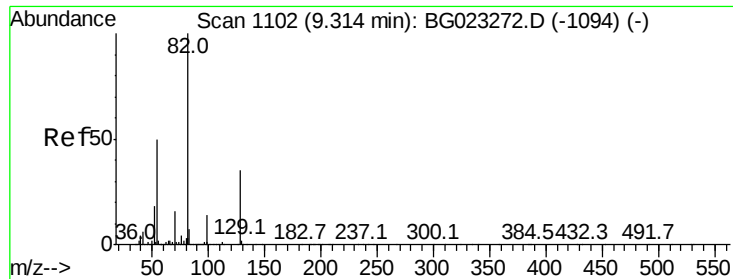
Lab File: BG023332.D

Acq: 29 Jul 2016 9:04

Tgt Ion: 136 Resp: 722297

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.6	14.4
54	8.6	7.3	10.9
68	8.4	5.3	7.9#

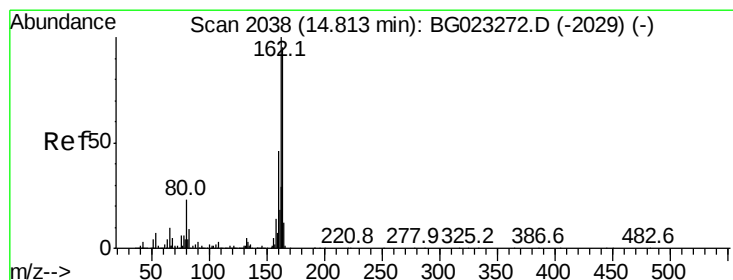
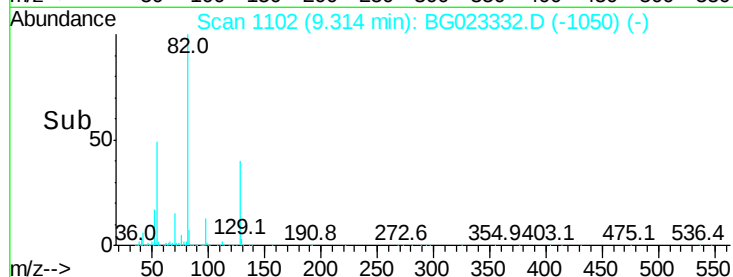
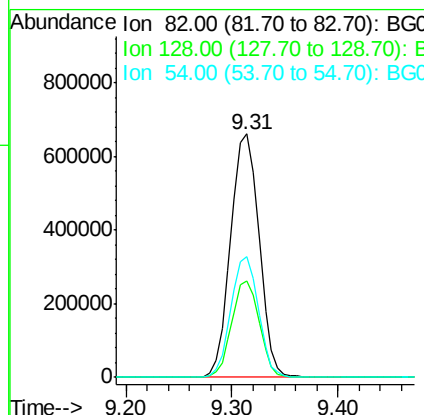
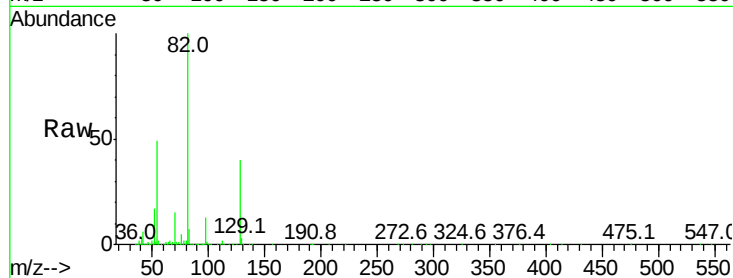




#23
Nitrobenzene-d5
Concen: 83.47 ng
RT: 9.31 min Scan# 1102
Delta R.T. 0.00 min
Lab File: BG023332.D
Acq: 29 Jul 2016 9:04

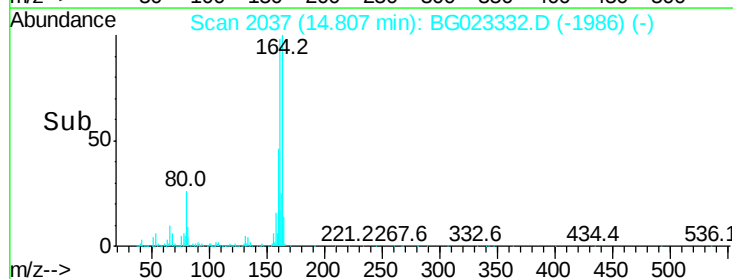
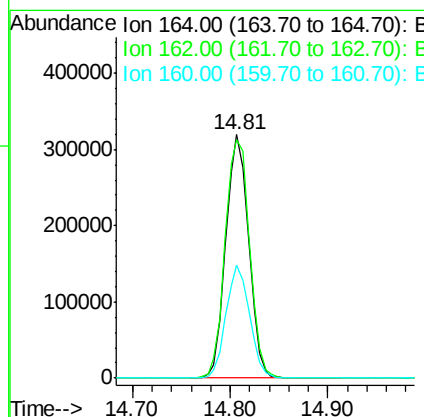
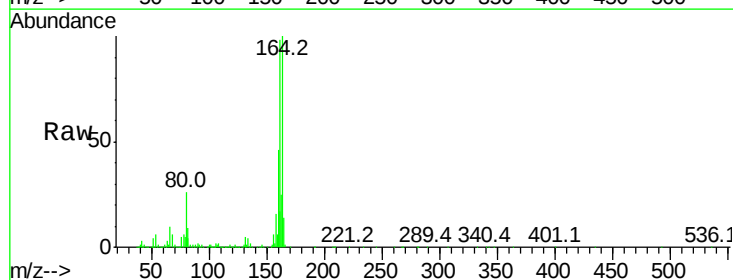
Instrument :
BNA_G
ClientSampleId :
L-6

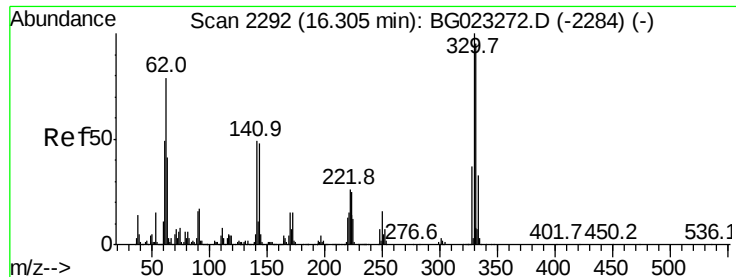
Tot Ion: 82 Resp: 1232905
Ion Ratio Lower Upper
82 100
128 39.8 24.4 36.6#
54 49.4 41.4 62.0



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.81 min Scan# 2037
Delta R.T. -0.00 min
Lab File: BG023332.D
Acq: 29 Jul 2016 9:04

Tgt Ion:164 Resp: 517740
Ion Ratio Lower Upper
164 100
162 97.9 87.7 131.5
160 46.2 37.2 55.8





#41

2,4,6-Tribromophenol

Concen: 154.95 ng

RT: 16.30 min Scan# 2292

Delta R.T. -0.00 min

Lab File: BG023332.D

Acq: 29 Jul 2016 9:04

Instrument :

BNA_G

ClientSampleId :

L-6

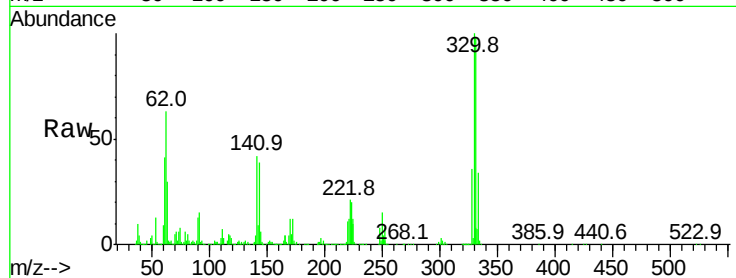
Tot Ion:330 Resp: 830353

Ion Ratio Lower Upper

330 100

332 100.7 77.4 116.2

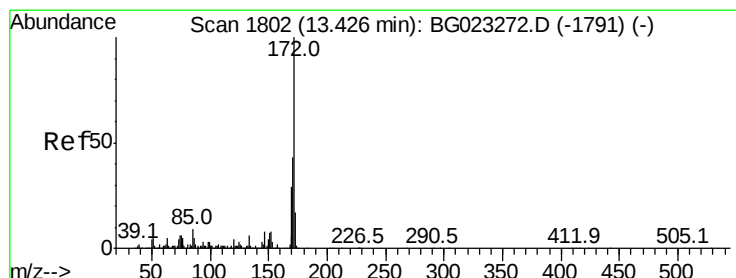
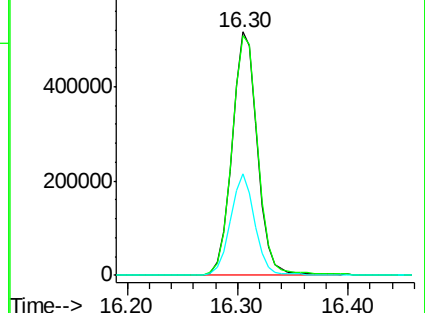
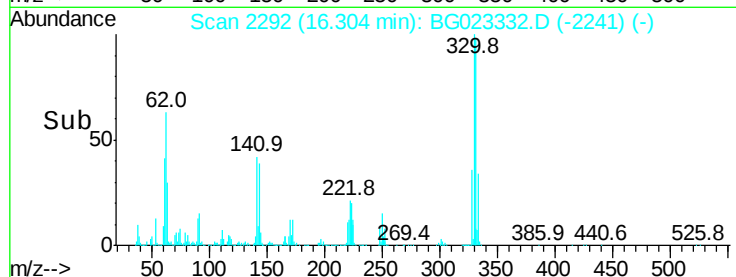
141 40.4 31.7 47.5



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: 90.78 ng

RT: 13.42 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BG023332.D

Acq: 29 Jul 2016 9:04

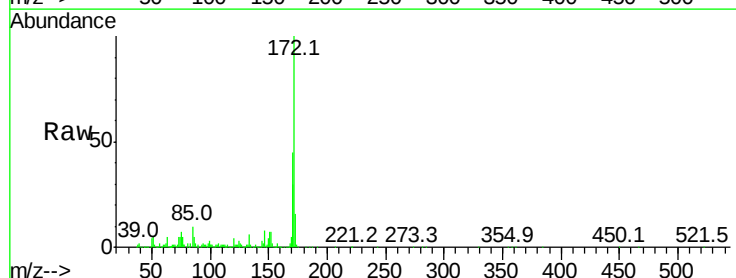
Tgt Ion:172 Resp: 2511300

Ion Ratio Lower Upper

172 100

171 44.6 31.6 47.4

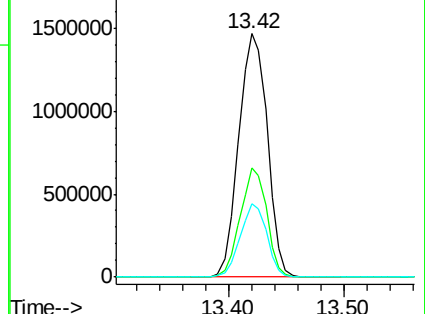
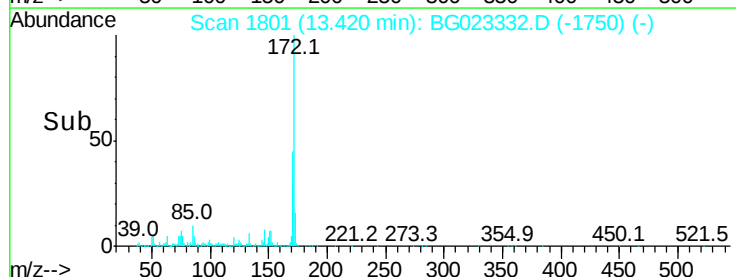
170 30.0 21.3 31.9

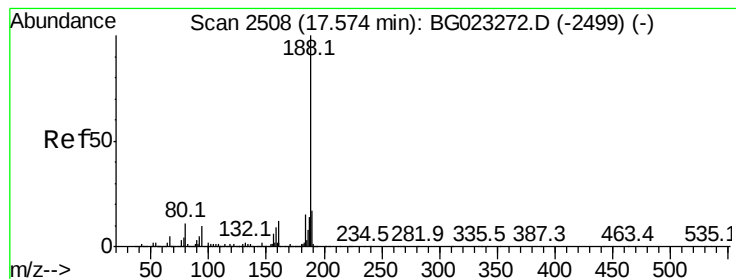


Abundance Ion 172.00 (171.70 to 172.70): E

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: 17.57 min Scan# 2507

Delta R.T. -0.00 min

Lab File: BG023332.D

Acq: 29 Jul 2016 9:04

Instrument :

BNA_G

ClientSampled :

L-6

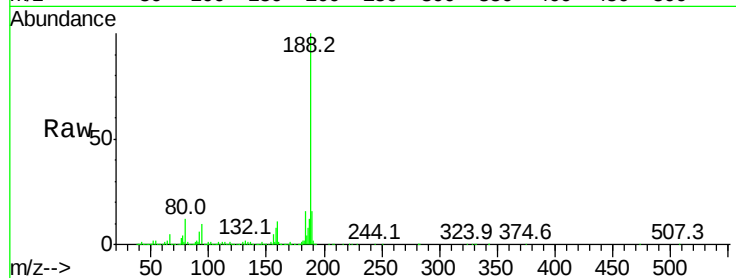
Tot Ion:188 Resp: 1228717

Ion Ratio Lower Upper

188 100

94 10.0 5.2 7.8#

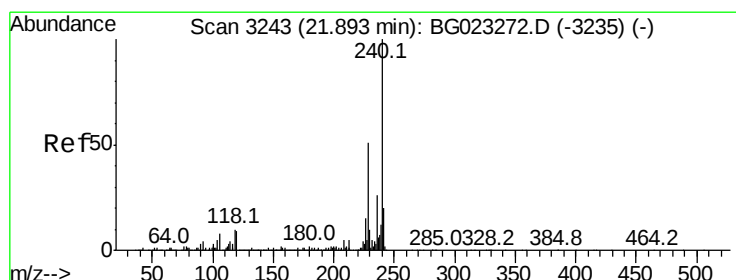
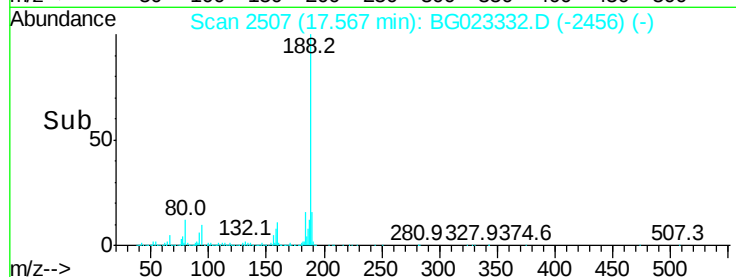
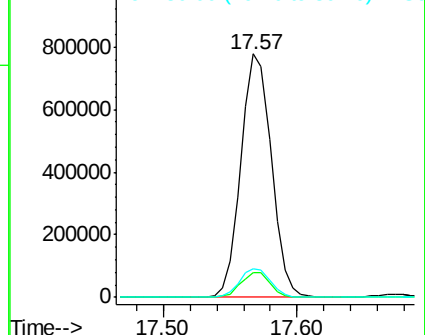
80 11.7 7.2 10.8#



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: 20.00 ng

RT: 21.89 min Scan# 3243

Delta R.T. 0.00 min

Lab File: BG023332.D

Acq: 29 Jul 2016 9:04

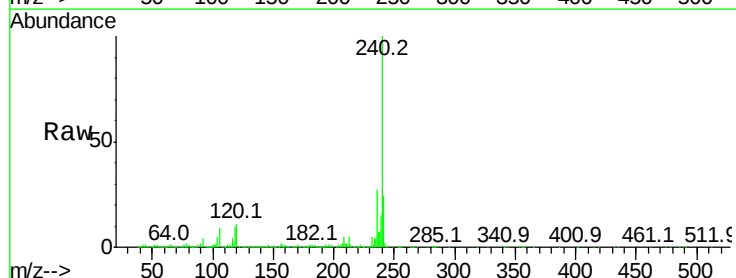
Tgt Ion:240 Resp: 1250062

Ion Ratio Lower Upper

240 100

120 11.4 4.1 6.1#

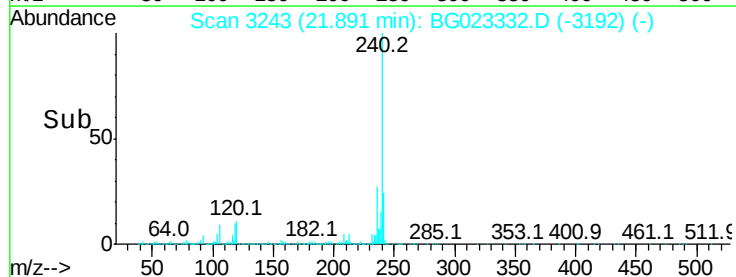
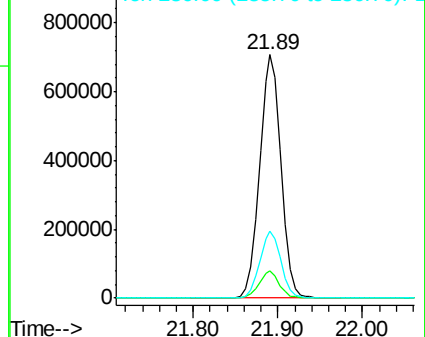
236 27.4 21.1 31.7

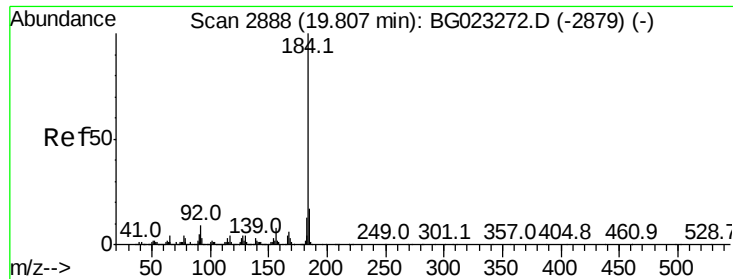


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 18.36 ng

RT: 19.81 min Scan# 2888

Delta R.T. -0.00 min

Lab File: BG023332.D

Acq: 29 Jul 2016 9:04

Instrument :

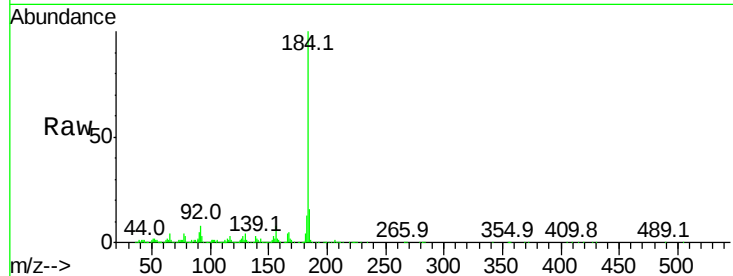
BNA_G

ClientSampleId :

L-6

Tot Ion:184 Resp: 645619

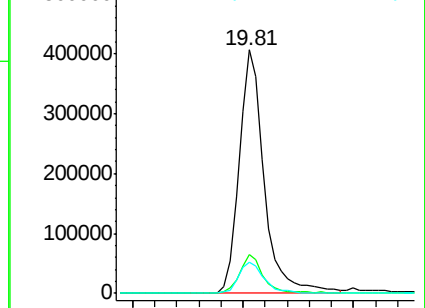
Ion	Ratio	Lower	Upper
184	100		
185	16.1	12.6	19.0
183	13.0	10.7	16.1



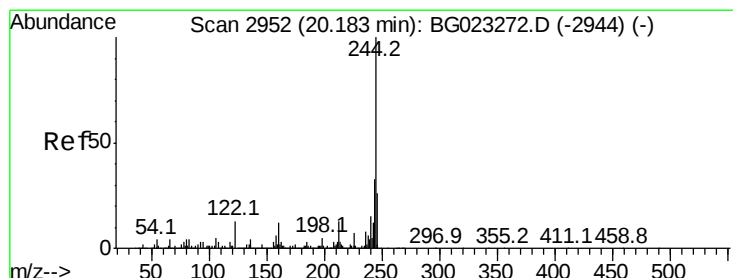
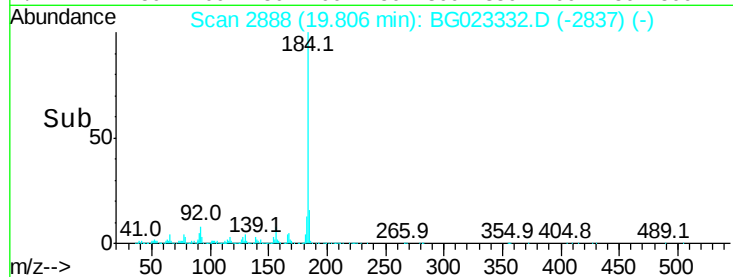
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time--> 19.70 19.80 19.90



#78

Terphenyl-d14

Concen: 85.83 ng

RT: 20.18 min Scan# 2952

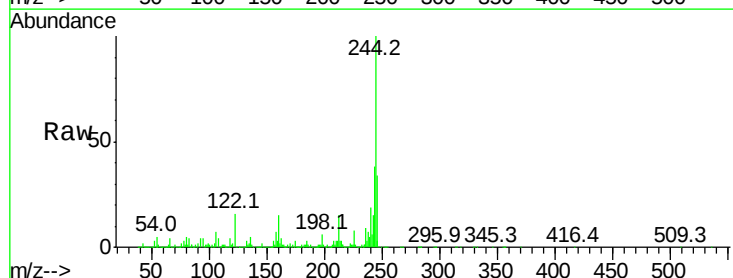
Delta R.T. 0.00 min

Lab File: BG023332.D

Acq: 29 Jul 2016 9:04

Tgt Ion:244 Resp: 3300434

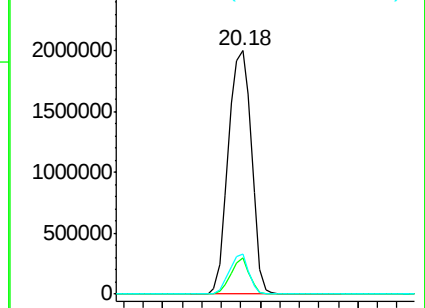
Ion	Ratio	Lower	Upper
244	100		
212	15.1	10.8	16.2
122	16.3	8.0	12.0#



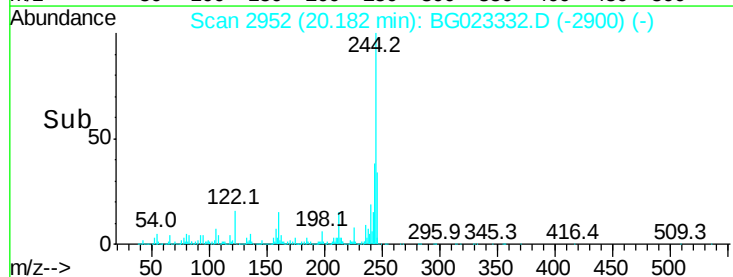
Abundance Ion 244.00 (243.70 to 244.70): E

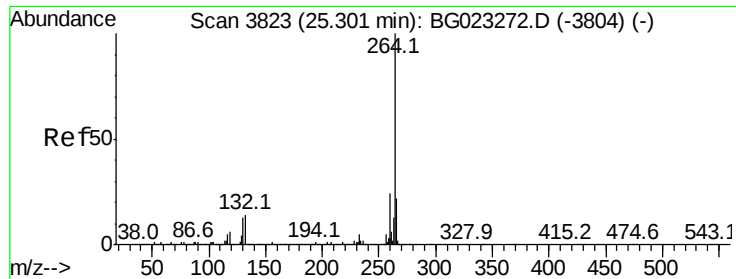
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 20.10 20.20 20.30





#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.30 min Scan# 3823
Delta R.T. -0.00 min
Lab File: BG023332.D
Acq: 29 Jul 2016 9:04

Instrument :
BNA_G
ClientSampleId :
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Tot Ion:264 Resp: 1271567

Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.4	27.6
265	20.6	18.9	28.3

