

Data Path : Z:\HPCHEM1\BNA G\Data\BG071116\NRD\
 Data File : BG023011.D
 Acq On : 11 Jul 2016 21:58
 Operator : UM/SJ
 Sample : H3960-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HSR-WC-59-070716

Quant Time: Jul 12 09:38:11 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 16:51:07 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

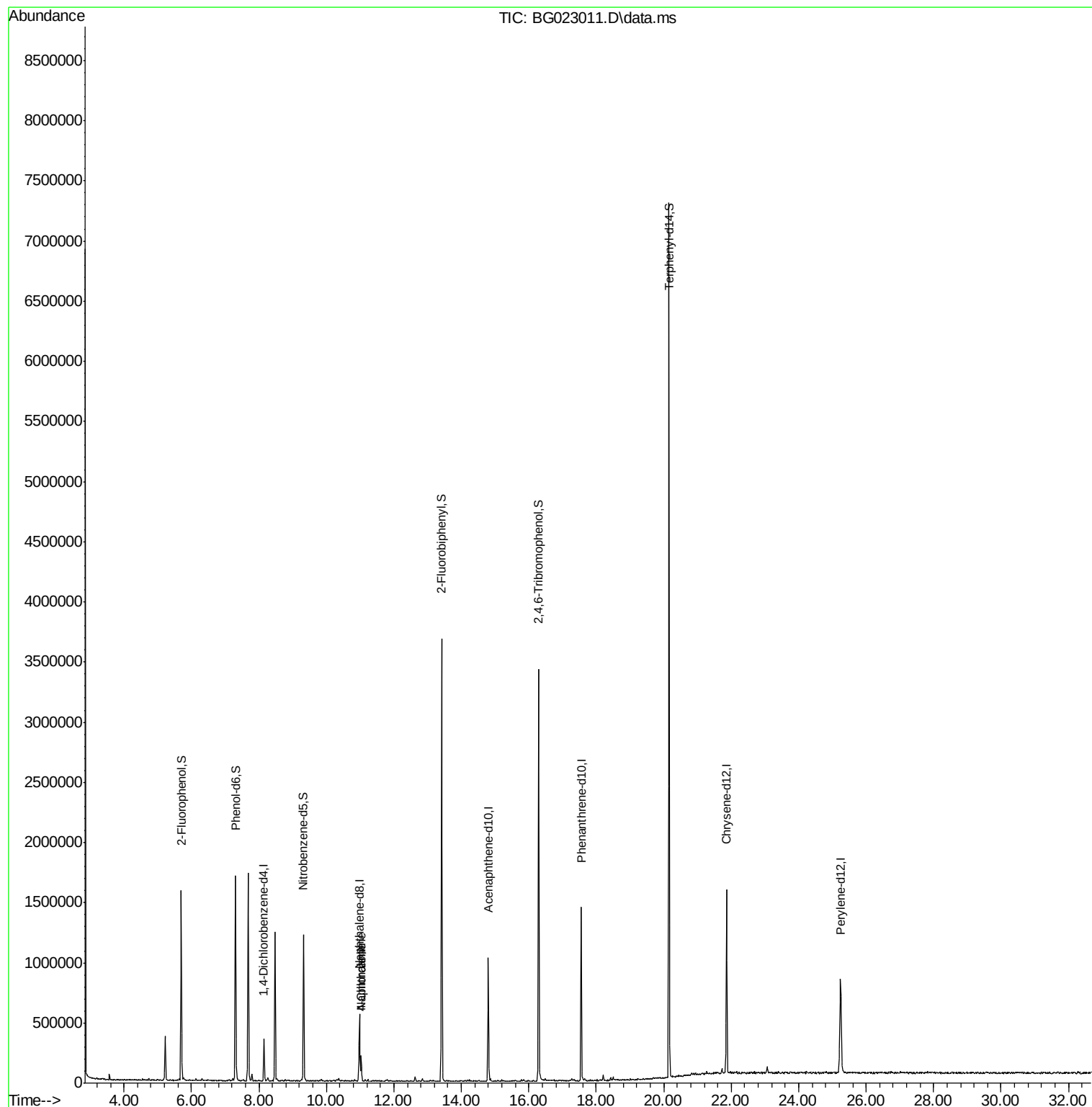
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.147	152	89655	20.00	ng	0.00
21) Naphthalene-d8	10.979	136	430131	20.00	ng	0.00
38) Acenaphthene-d10	14.798	164	363512	20.00	ng	0.00
63) Phenanthrene-d10	17.554	188	863201	20.00	ng	0.00
75) Chrysene-d12	21.860	240	953793	20.00	ng	0.01
86) Perylene-d12	25.239	264	964044	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.697	112	621985	113.46	ng	0.00
7) Phenol-d6	7.307	99	930783	108.41	ng	0.00
23) Nitrobenzene-d5	9.322	82	788930	78.54	ng	0.00
41) 2,4,6-Tribromophenol	16.290	330	638609	97.75	ng	0.00
44) 2-Fluorobiphenyl	13.417	172	1767195	76.57	ng	0.00
78) Terphenyl-d14	20.156	244	2751195	96.17	ng	0.00
Target Compounds						
31) Naphthalene	11.032	128	171174	7.82	ng	Qvalue 98
33) 4-Chloroaniline	11.026	127	22599	2.11	ng	# 34

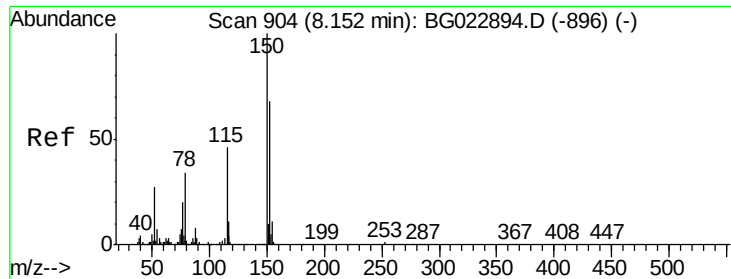
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.147 min Scan# 90

Delta R.T. -0.005 min

Lab File: BG023011.D

Acq: 11 Jul 2016 21:58

Instrument :

BNA_G

ClientSampleId :

HSR-WC-59-070716

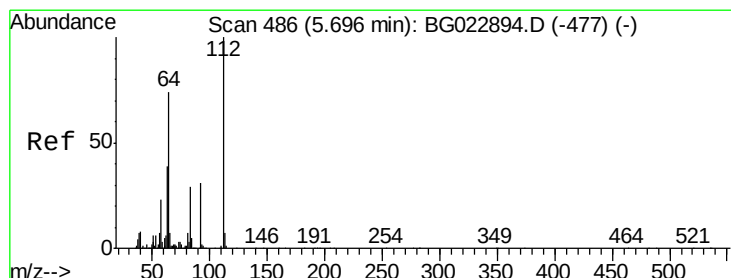
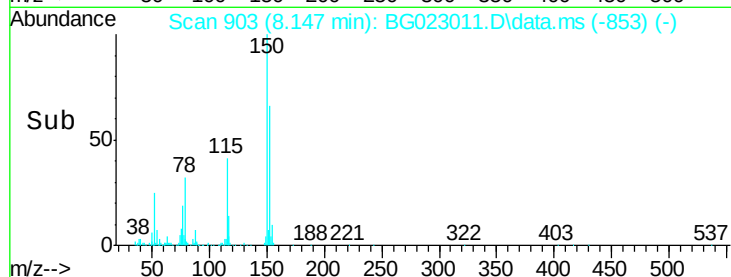
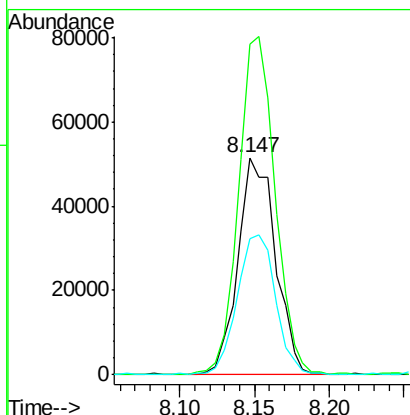
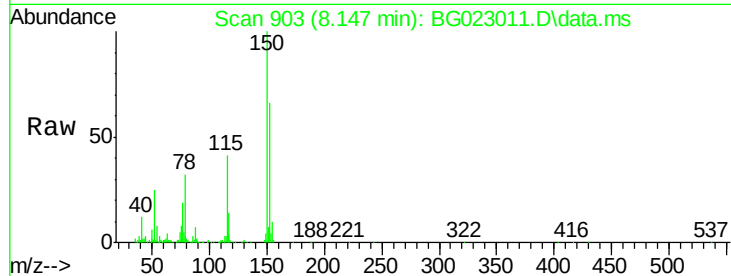
Tot Ion:152 Resp: 89655

Ion Ratio Lower Upper

152 100

150 152.3 144.7 217.1

115 62.9 64.0 96.0#



#5

2-Fluorophenol

Concen: 113.46 ng

RT: 5.697 min Scan# 486

Delta R.T. 0.002 min

Lab File: BG023011.D

Acq: 11 Jul 2016 21:58

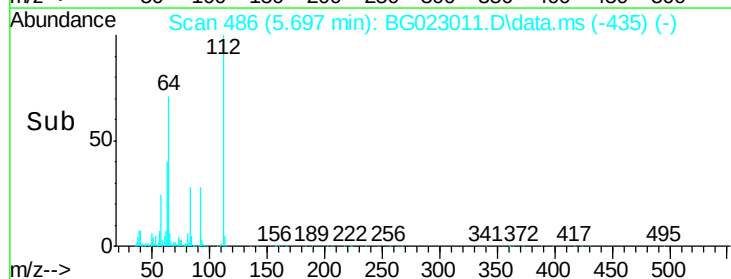
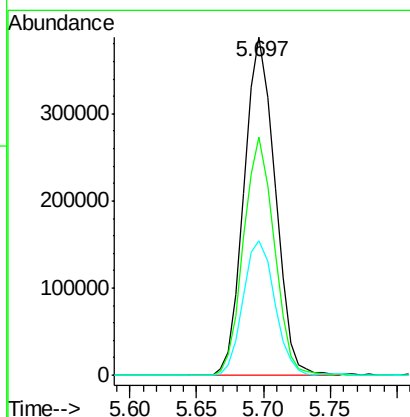
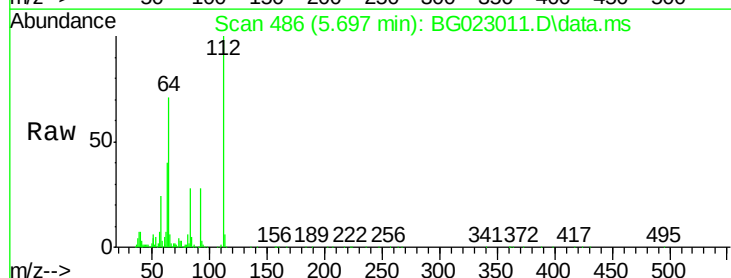
Tgt Ion:112 Resp: 621985

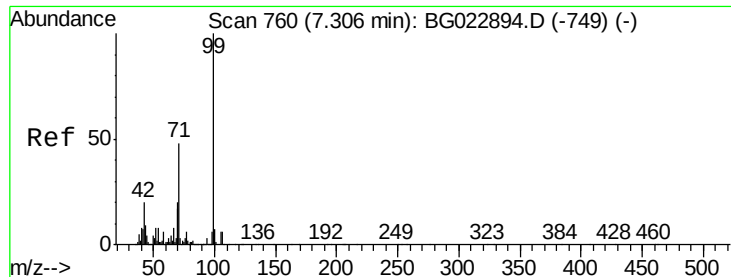
Ion Ratio Lower Upper

112 100

64 70.6 59.0 88.4

63 39.7 37.8 56.8





#7

Phenol-d6

Concen: 108.41 ng

RT: 7.307 min Scan# 760

Delta R.T. 0.001 min

Lab File: BG023011.D

Acq: 11 Jul 2016 21:58

Instrument :

BNA_G

ClientSampleId :

HSR-WC-59-070716

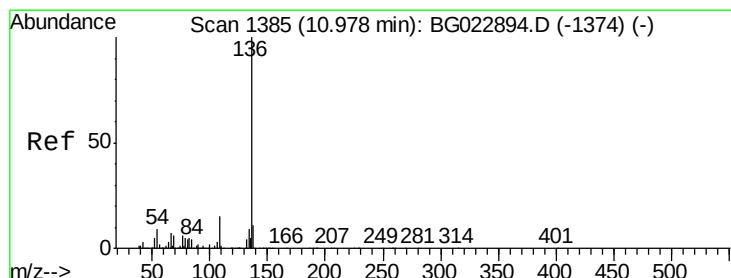
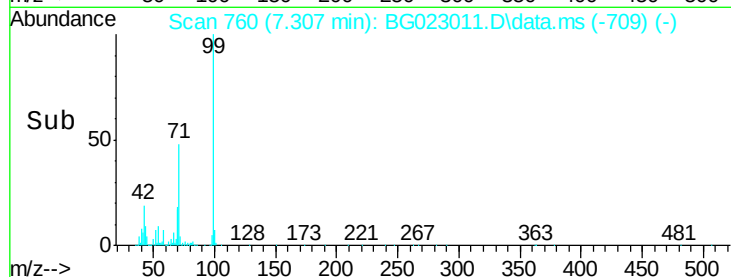
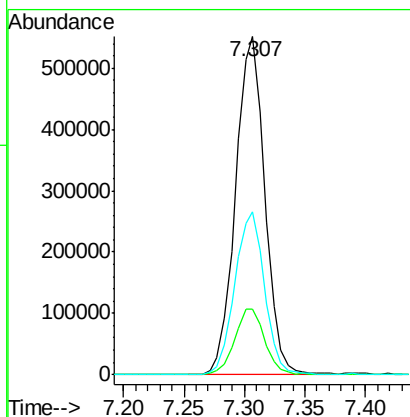
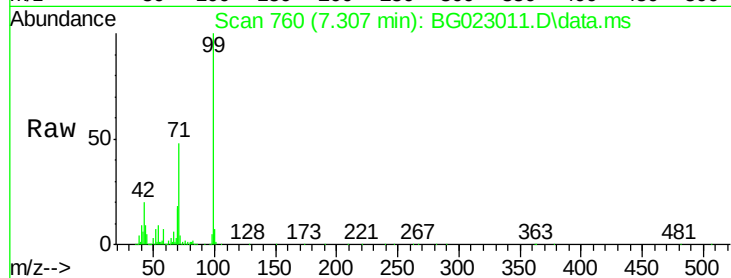
Tot Ion: 99 Resp: 930783

Ion Ratio Lower Upper

99 100

42 19.5 17.8 26.6

71 48.3 41.5 62.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.979 min Scan# 1385

Delta R.T. 0.001 min

Lab File: BG023011.D

Acq: 11 Jul 2016 21:58

Tgt Ion: 136 Resp: 430131

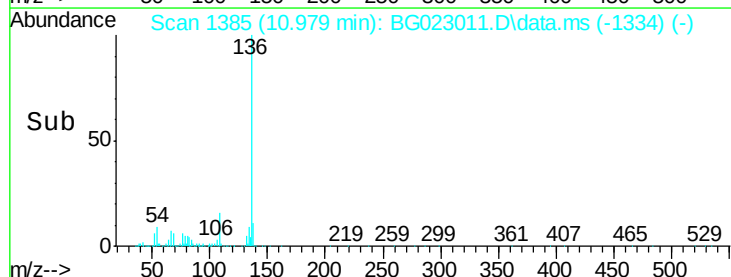
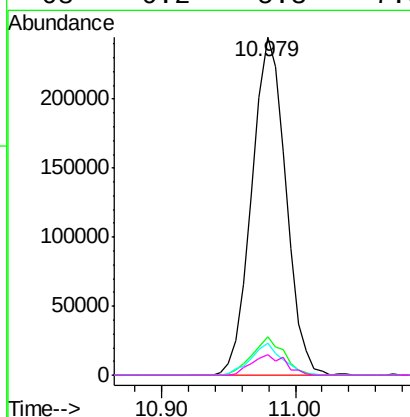
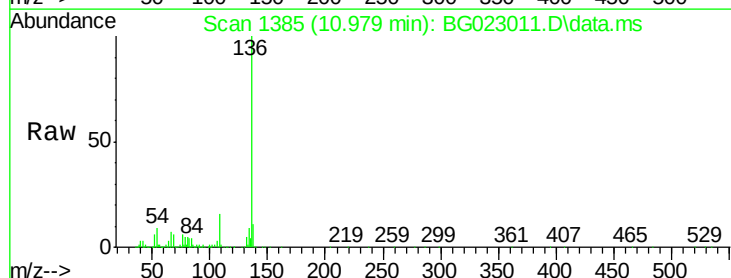
Ion Ratio Lower Upper

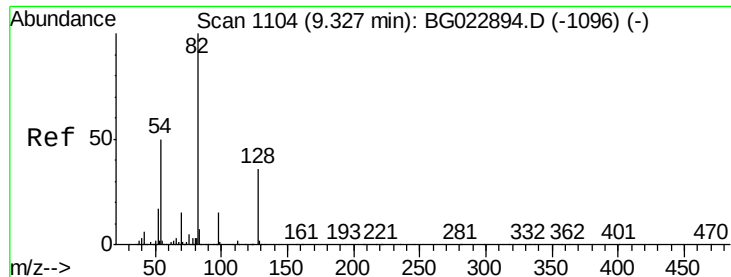
136 100

137 11.5 9.6 14.4

54 9.4 7.3 10.9

68 6.2 5.3 7.9





#23

Nitrobenzene-d5

Concen: 78.54 ng

RT: 9.322 min Scan# 11

Delta R.T. -0.005 min

Lab File: BG023011.D

Acq: 11 Jul 2016 21:58

Instrument :

BNA_G

ClientSampleId :

HSR-WC-59-070716

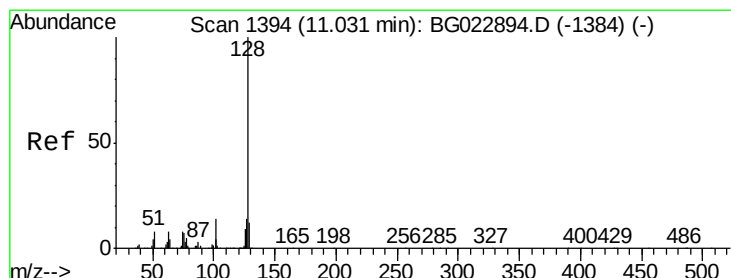
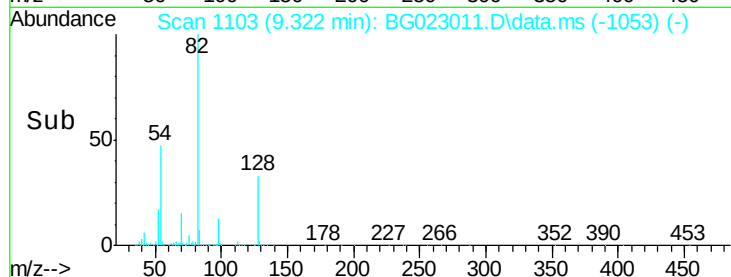
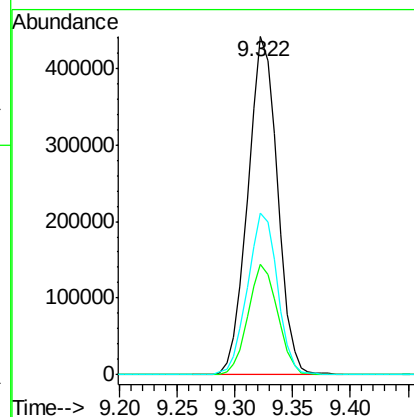
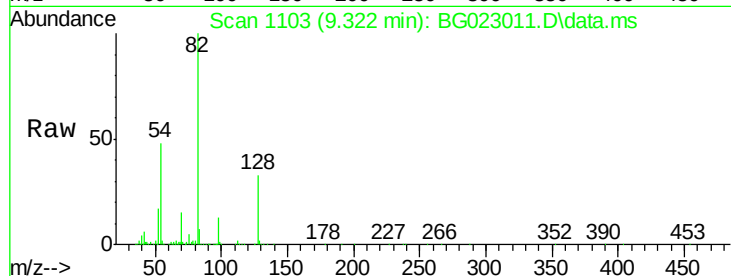
Tot Ion: 82 Resp: 788930

Ion Ratio Lower Upper

82 100

128 32.5 24.4 36.6

54 47.6 41.4 62.0



#31

Naphthalene

Concen: 7.82 ng

RT: 11.032 min Scan# 1394

Delta R.T. 0.001 min

Lab File: BG023011.D

Acq: 11 Jul 2016 21:58

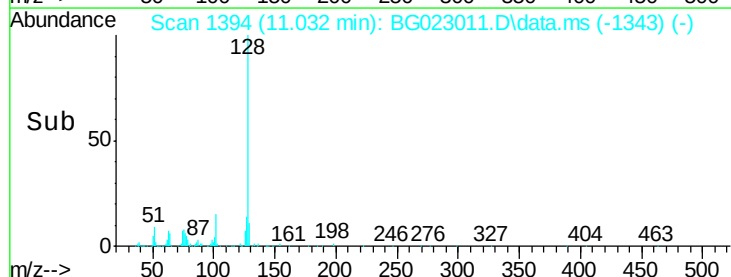
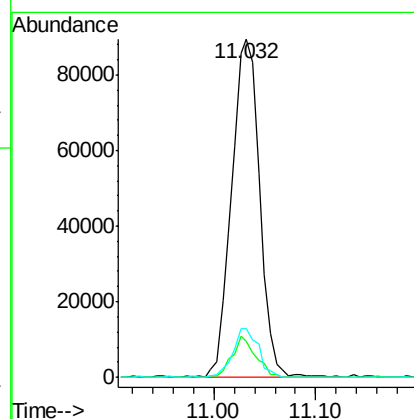
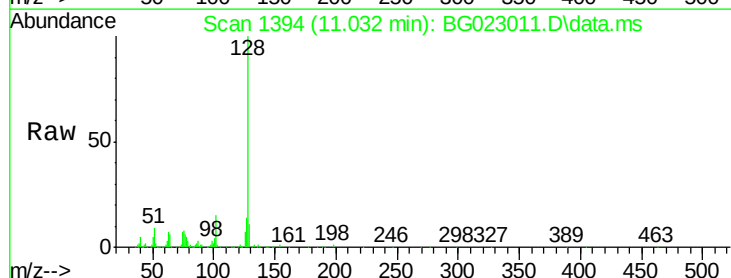
Tgt Ion: 128 Resp: 171174

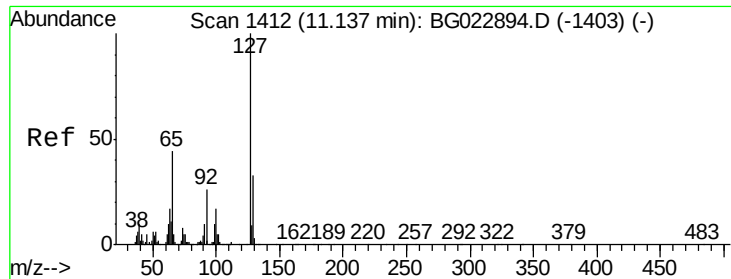
Ion Ratio Lower Upper

128 100

129 10.6 9.4 14.0

127 14.3 11.3 16.9

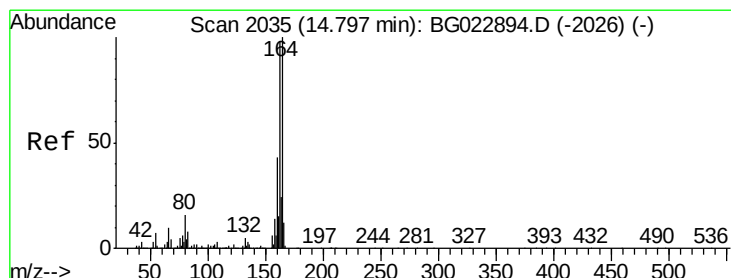
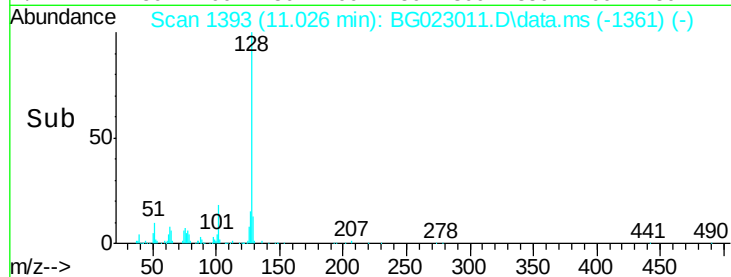
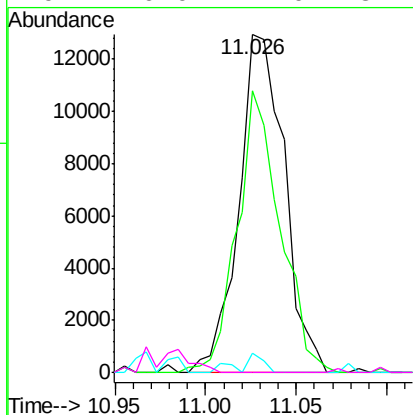
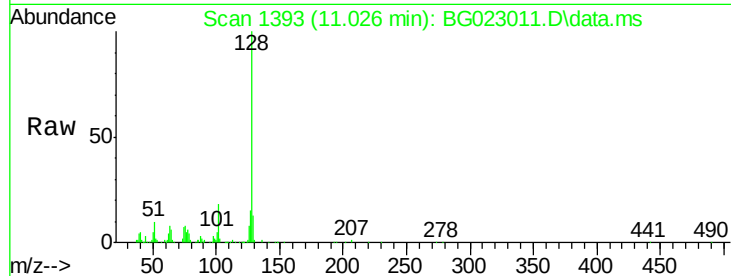




#33
4-Chloroaniline
Concen: 2.11 ng
RT: 11.026 min Scan# 13
Delta R.T. -0.111 min
Lab File: BG023011.D
Acq: 11 Jul 2016 21:58

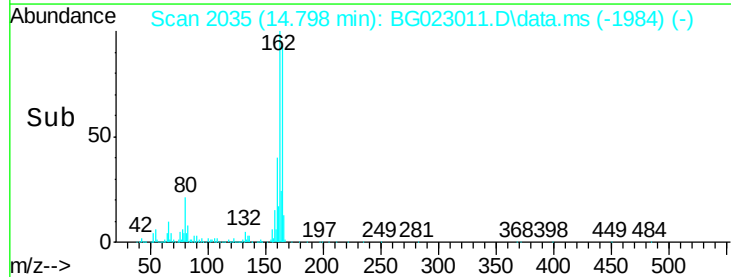
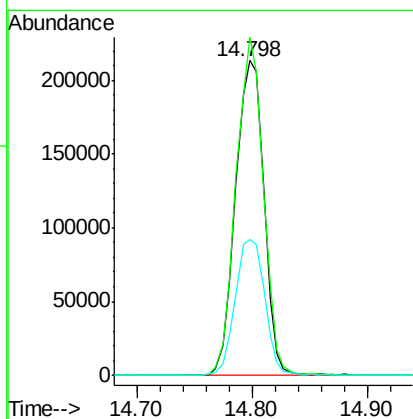
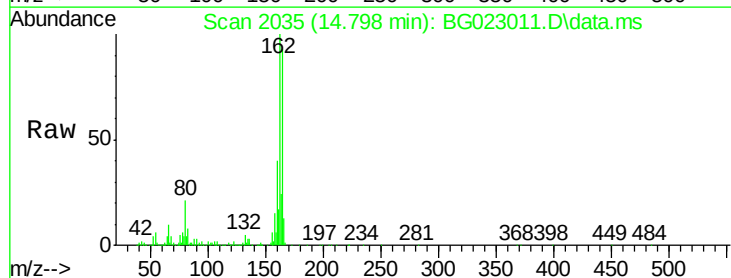
Instrument :
BNA_G
ClientSampleId :
HSR-WC-59-070716

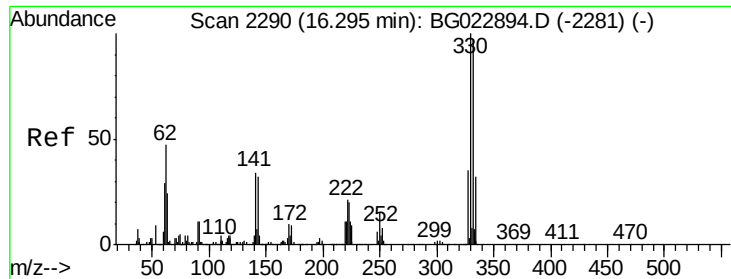
Tot Ion:127	Resp:	22599
Ion Ratio	Lower	Upper
127	100	
129	83.5	27.9 41.9#
65	5.7	36.8 55.2#
92	0.0	21.0 31.6#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.798 min Scan# 2035
Delta R.T. 0.001 min
Lab File: BG023011.D
Acq: 11 Jul 2016 21:58

Tgt Ion:164	Resp:	363512
Ion Ratio	Lower	Upper
164	100	
162	107.3	87.7 131.5
160	43.2	37.2 55.8

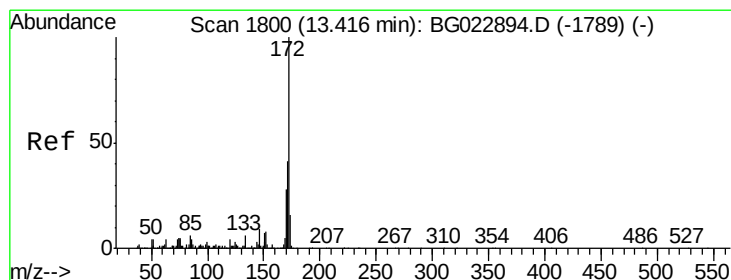
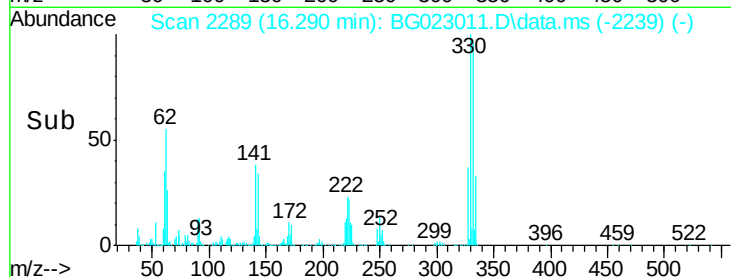
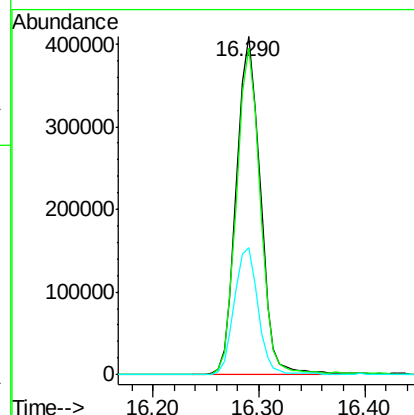
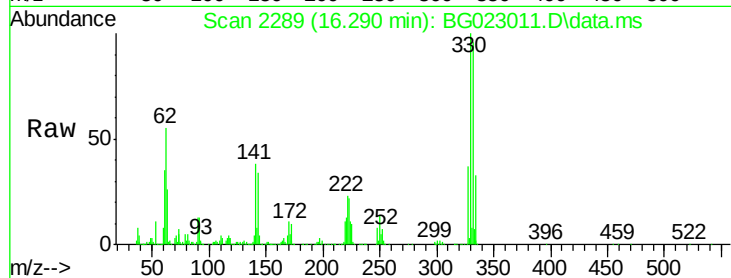




#41
2,4,6-Tribromophenol
Concen: 97.75 ng
RT: 16.290 min Scan# 22
Delta R.T. -0.005 min
Lab File: BG023011.D
Acq: 11 Jul 2016 21:58

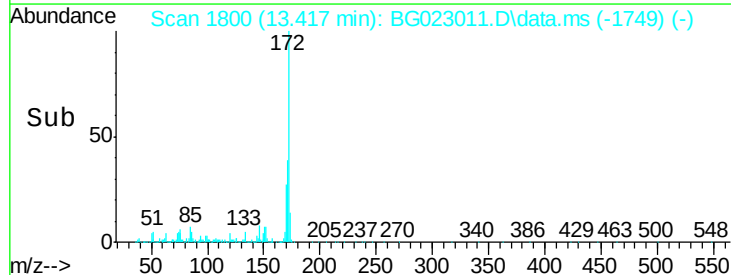
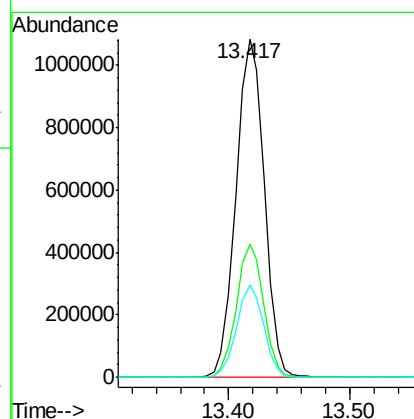
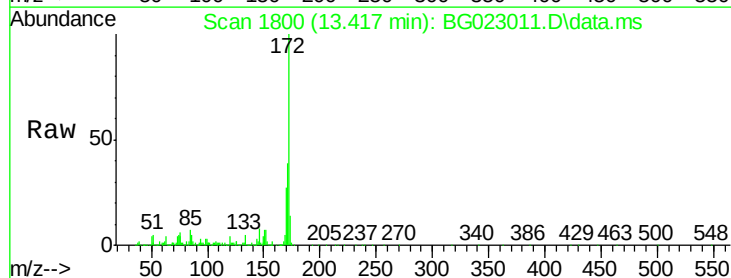
Instrument :
BNA_G
ClientSampleId :
HSR-WC-59-070716

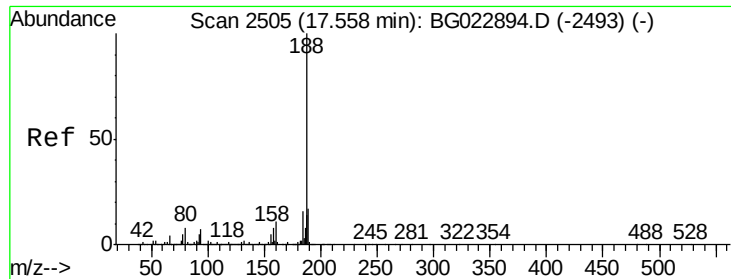
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.4	116.2
141	37.3	31.7	47.5



#44
2-Fluorobiphenyl
Concen: 76.57 ng
RT: 13.417 min Scan# 1800
Delta R.T. 0.001 min
Lab File: BG023011.D
Acq: 11 Jul 2016 21:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.3	31.6	47.4
170	27.5	21.3	31.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.554 min Scan# 25

Delta R.T. -0.005 min

Lab File: BG023011.D

Acq: 11 Jul 2016 21:58

Instrument :

BNA_G

ClientSampleId :

HSR-WC-59-070716

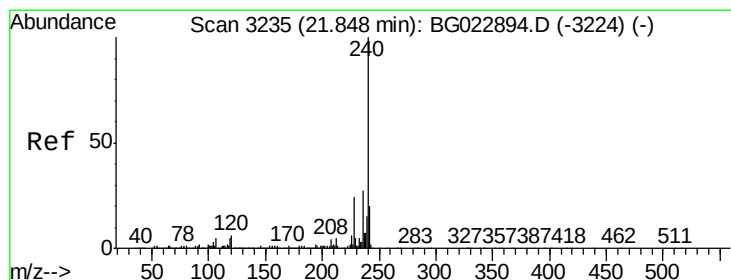
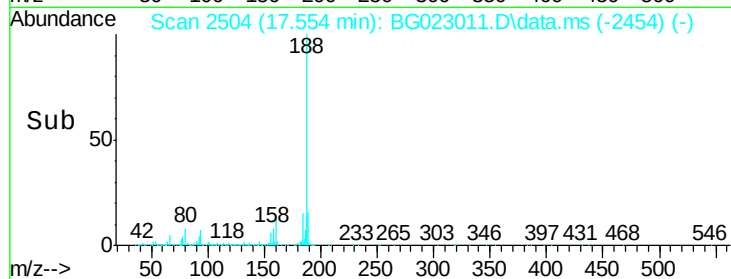
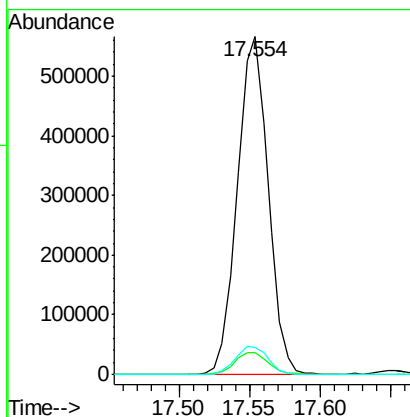
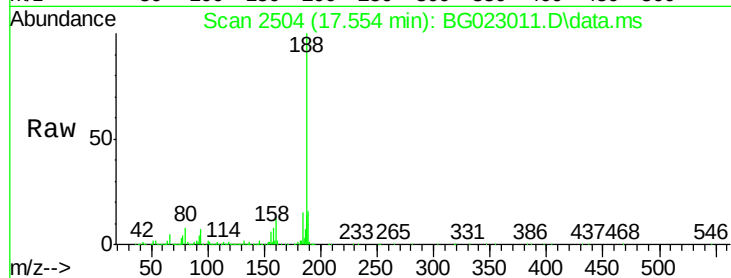
Tot Ion:188 Resp: 863201

Ion Ratio Lower Upper

188 100

94 6.5 5.2 7.8

80 8.1 7.2 10.8



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.860 min Scan# 3237

Delta R.T. 0.013 min

Lab File: BG023011.D

Acq: 11 Jul 2016 21:58

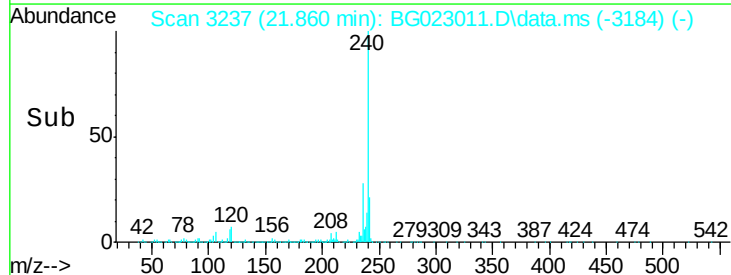
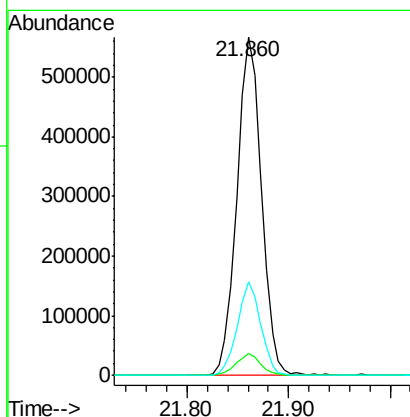
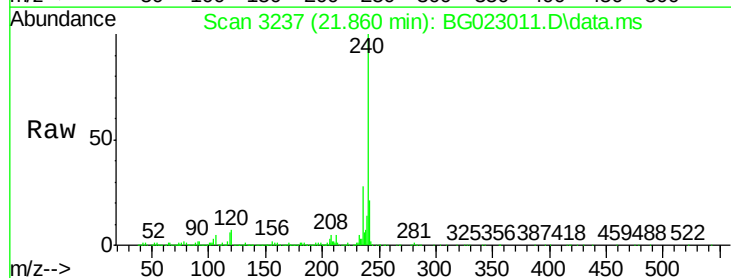
Tgt Ion:240 Resp: 953793

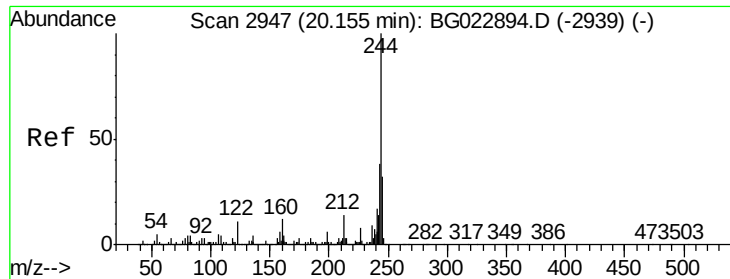
Ion Ratio Lower Upper

240 100

120 6.7 4.1 6.1#

236 27.6 21.1 31.7





#78

Terphenyl-d14

Concen: 96.17 ng

RT: 20.156 min Scan# 29

Delta R.T. 0.001 min

Lab File: BG023011.D

Acq: 11 Jul 2016 21:58

Instrument :

BNA_G

ClientSampleId :

HSR-WC-59-070716

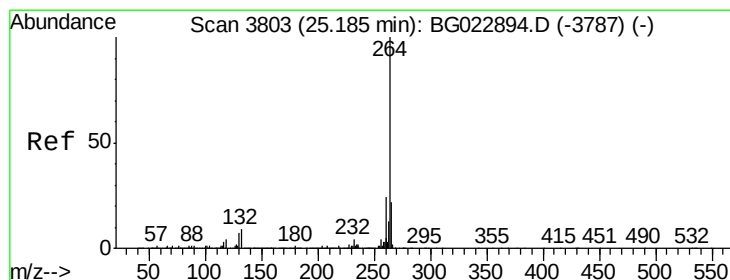
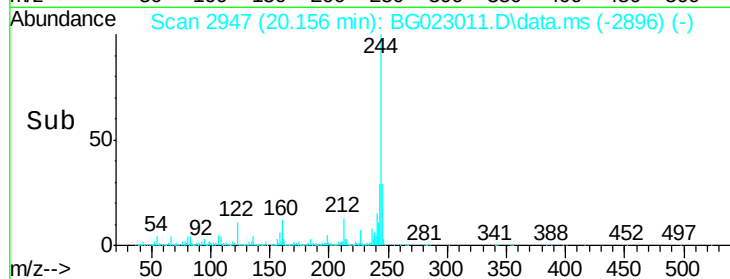
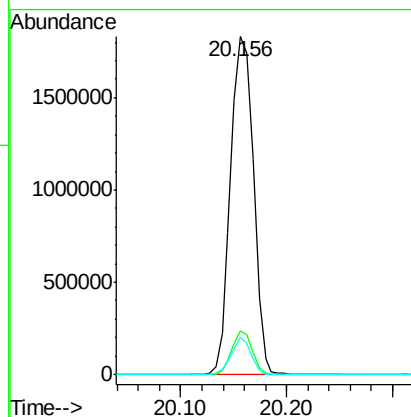
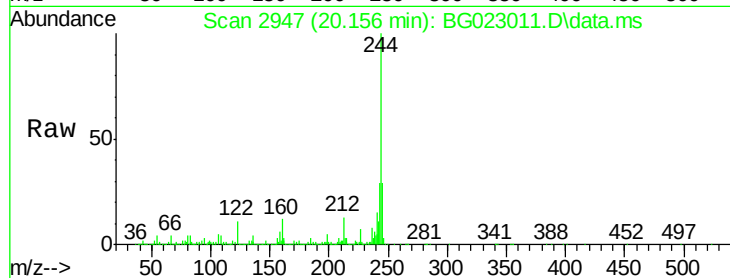
Tot Ion:244 Resp: 2751195

Ion Ratio Lower Upper

244 100

212 12.9 10.8 16.2

122 10.9 8.0 12.0



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.239 min Scan# 3812

Delta R.T. 0.054 min

Lab File: BG023011.D

Acq: 11 Jul 2016 21:58

Tgt Ion:264 Resp: 964044

Ion Ratio Lower Upper

264 100

260 22.4 18.4 27.6

265 21.4 18.9 28.3

