

Data Path : V:\HPCHEM1\BNA G\DATA\BG070916\
 Data File : BG022958.D
 Acq On : 9 Jul 2016 9:25
 Operator : UM/SJ
 Sample : H3927-04
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S22-0004

Quant Time: Jul 11 13:52:42 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

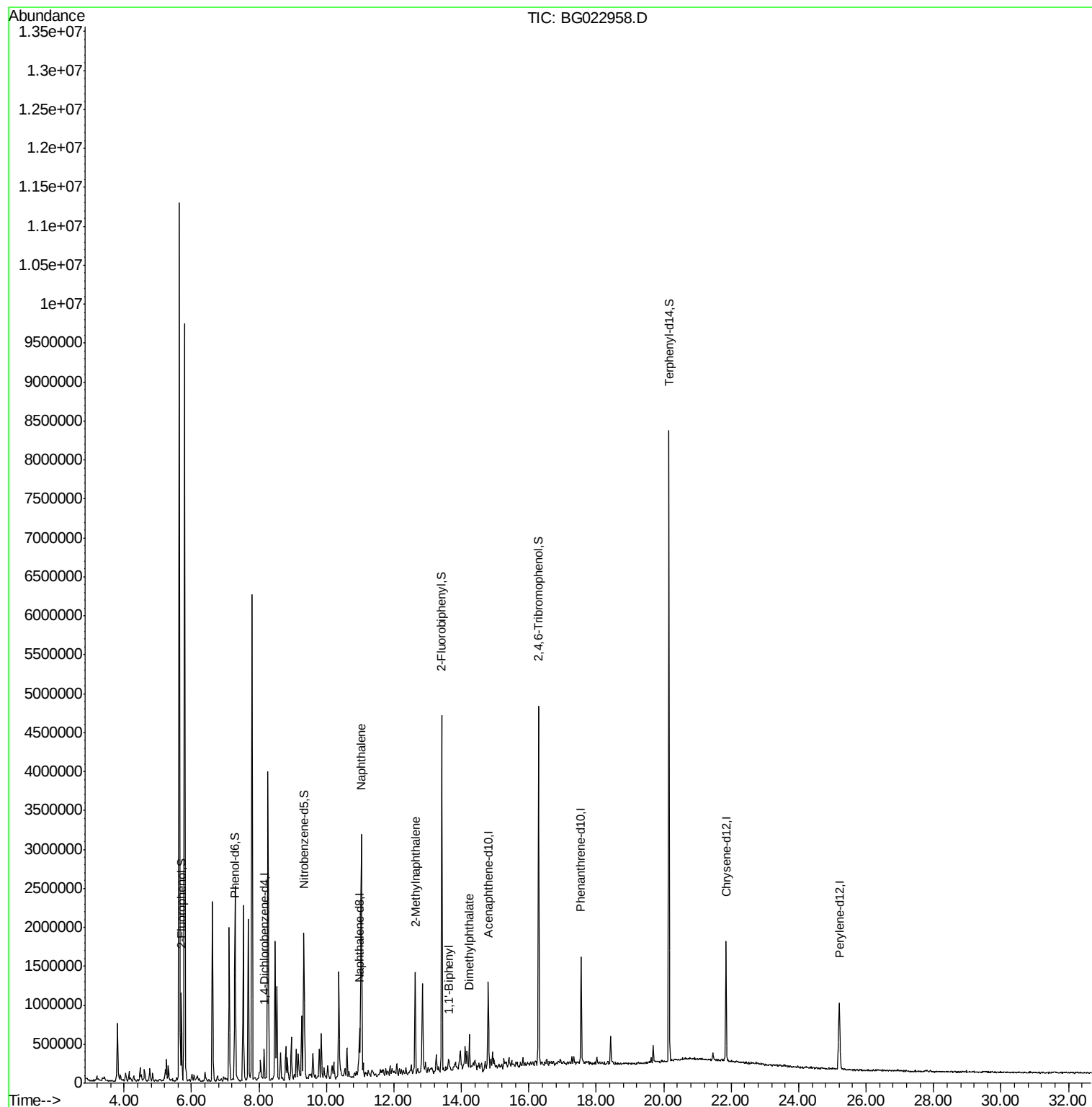
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	99751	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	475082	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	364522	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	849230	20.00	ng	0.00
75) Chrysene-d12	21.85	240	961975	20.00	ng	0.00
86) Perylene-d12	25.21	264	999767	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	433115	71.01	ng	0.00
7) Phenol-d6	7.30	99	423730	44.36	ng	0.00
23) Nitrobenzene-d5	9.32	82	1102507	99.37	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	865489	132.11	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	2205201	95.29	ng	0.00
78) Terphenyl-d14	20.15	244	3029143	113.64	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.03	128	2254786	93.23	ng	95
37) 2-Methylnaphthalene	12.63	142	577467	30.21	ng	98
45) 1,1'-Biphenyl	13.63	154	67424	2.47	ng	100
49) Dimethylphthalate	14.24	163	251360	8.44	ng	99

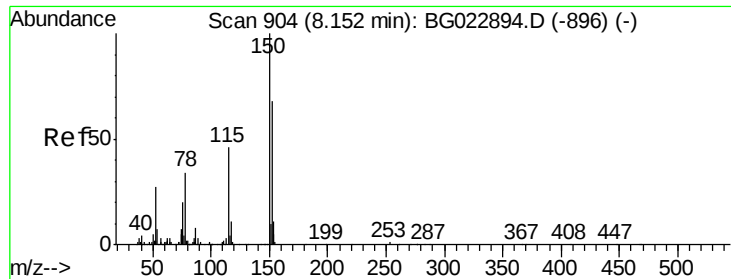
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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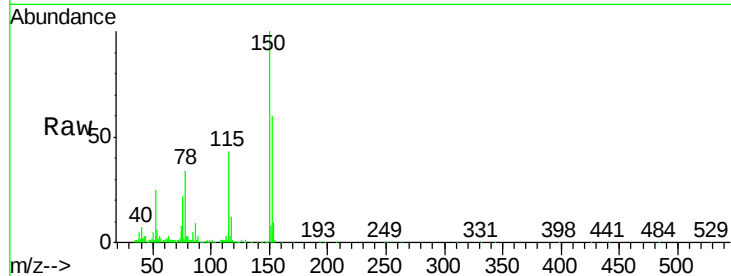


#1

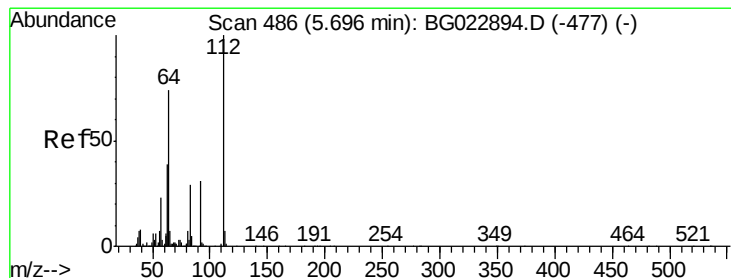
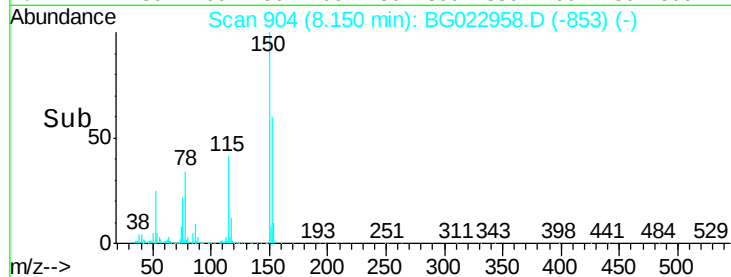
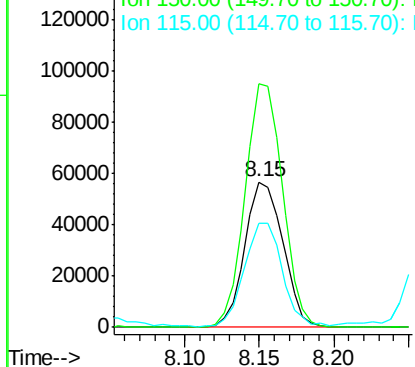
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.15 min Scan# 904
Delta R.T. -0.00 min
Lab File: BG022958.D
Acq: 9 Jul 2016 9:25

Instrument :
BNA_G
ClientSampleId :
S22-0004

Tot Ion	Ratio	Lower	Upper
152	100		
150	167.8	144.7	217.1
115	71.5	64.0	96.0



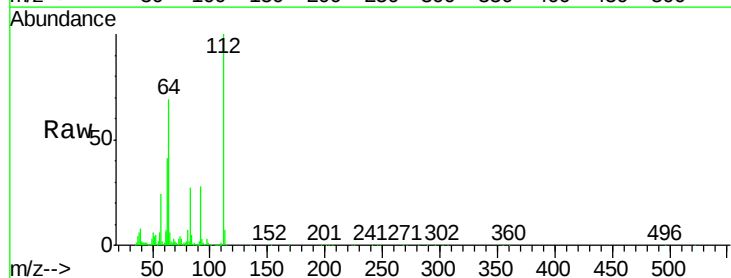
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



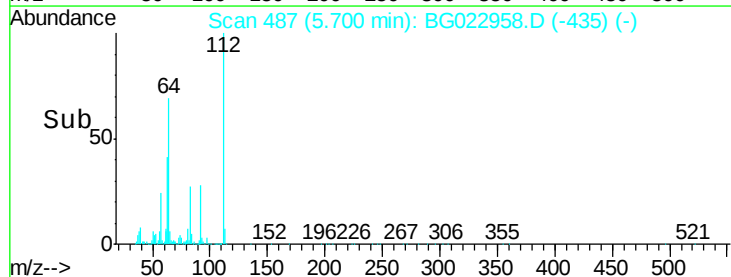
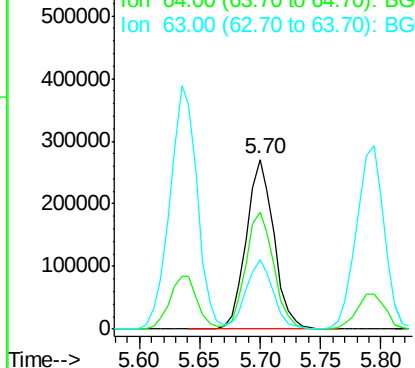
#5

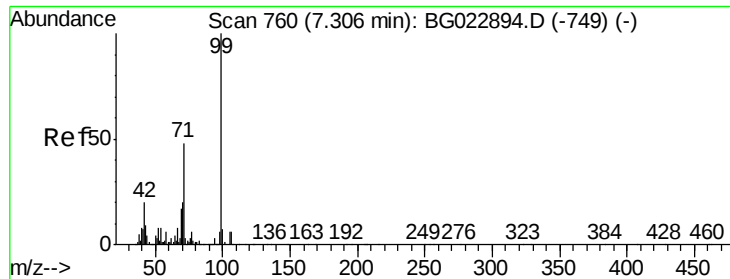
2-Fluorophenol
Concen: 71.01 ng
RT: 5.70 min Scan# 487
Delta R.T. 0.00 min
Lab File: BG022958.D
Acq: 9 Jul 2016 9:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	59.0	88.4
63	41.3	37.8	56.8



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





#7

Phenol-d6

Concen: 44.36 ng

RT: 7.30 min Scan# 760

Delta R.T. -0.00 min

Lab File: BG022958.D

Acq: 9 Jul 2016 9:25

Instrument :

BNA_G

ClientSampleId :

S22-0004

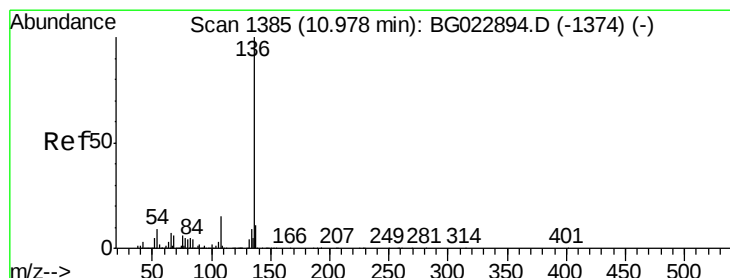
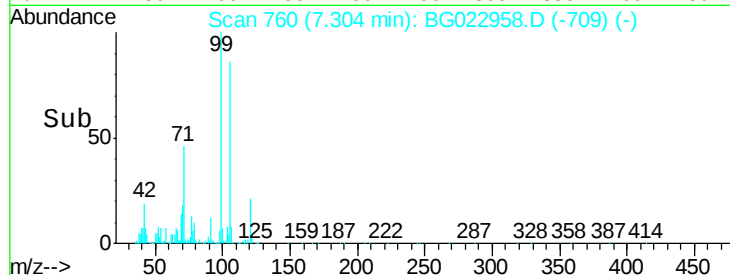
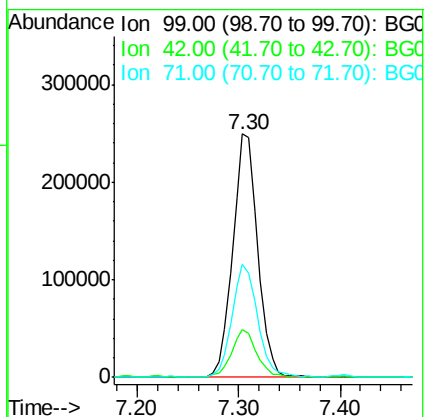
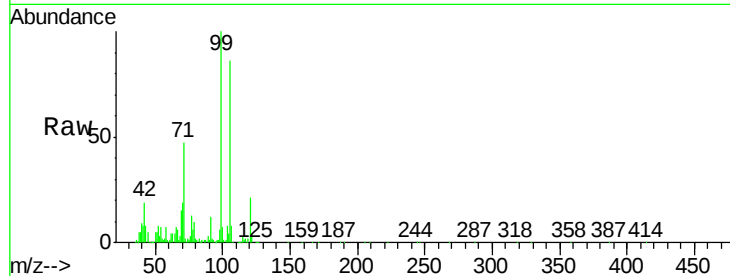
Tot Ion: 99 Resp: 423730

Ion Ratio Lower Upper

99 100

42 19.5 17.8 26.6

71 46.5 41.5 62.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.98 min Scan# 1386

Delta R.T. 0.00 min

Lab File: BG022958.D

Acq: 9 Jul 2016 9:25

Tgt Ion: 136 Resp: 475082

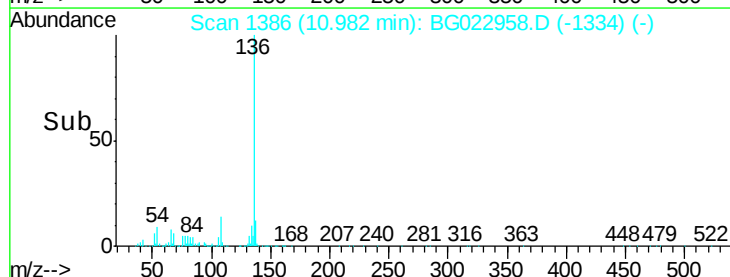
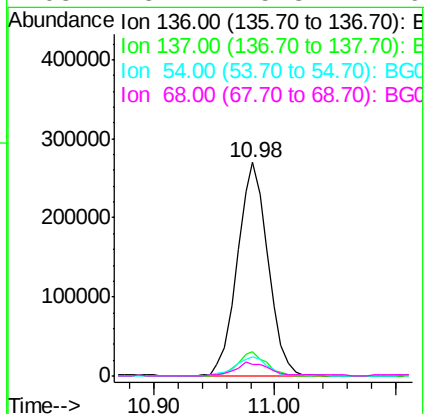
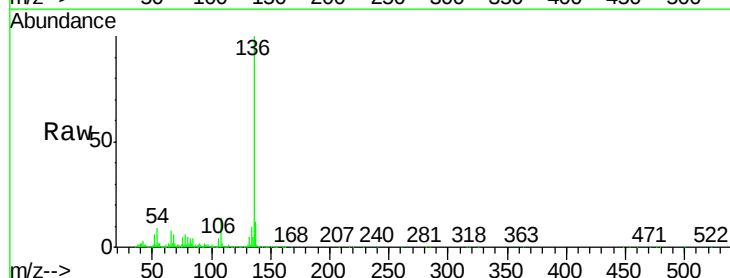
Ion Ratio Lower Upper

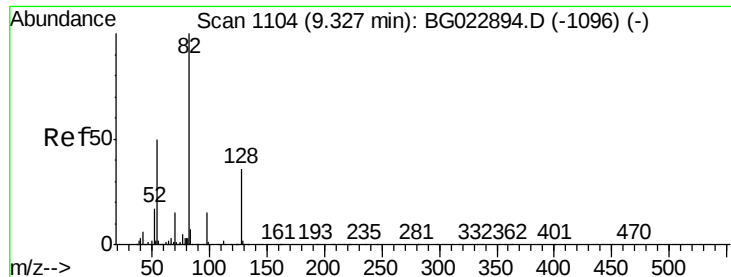
136 100

137 11.6 9.6 14.4

54 9.2 7.3 10.9

68 5.7 5.3 7.9





#23

Nitrobenzene-d5

Concen: 99.37 ng

RT: 9.32 min Scan# 1104

Delta R.T. -0.00 min

Lab File: BG022958.D

Acq: 9 Jul 2016 9:25

Instrument :

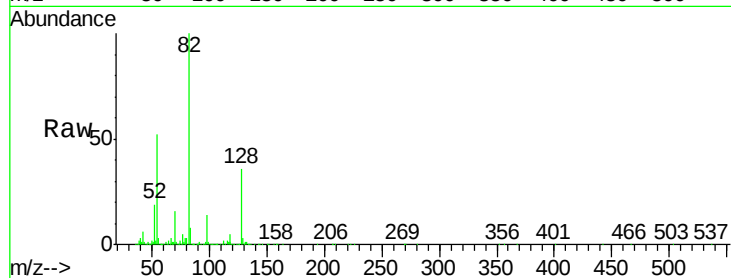
BNA_G

ClientSampleId :

S22-0004

Tot Ion: 82 Resp: 1102507

Ion	Ratio	Lower	Upper
82	100		
128	35.5	24.4	36.6
54	52.4	41.4	62.0

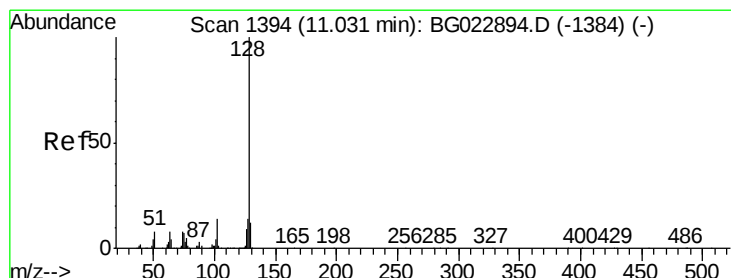
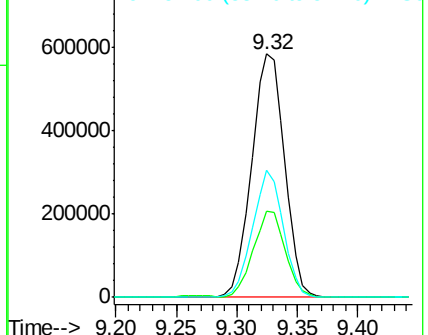
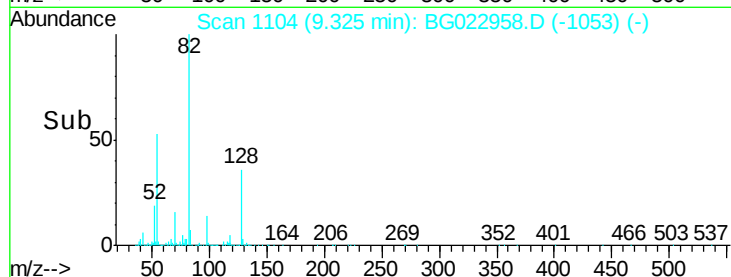


Abundance

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



#31

Naphthalene

Concen: 93.23 ng

RT: 11.03 min Scan# 1395

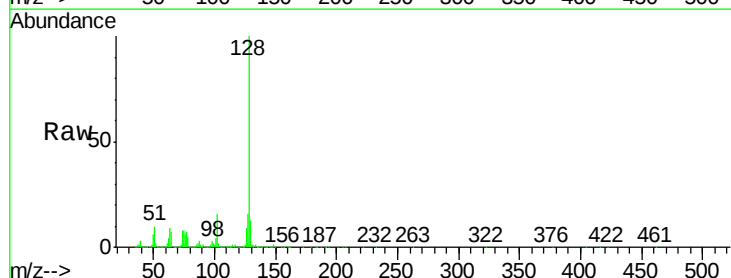
Delta R.T. 0.00 min

Lab File: BG022958.D

Acq: 9 Jul 2016 9:25

Tgt Ion: 128 Resp: 2254786

Ion	Ratio	Lower	Upper
128	100		
129	13.2	9.4	14.0
127	16.4	11.3	16.9

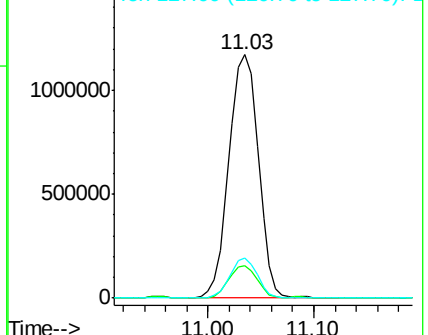
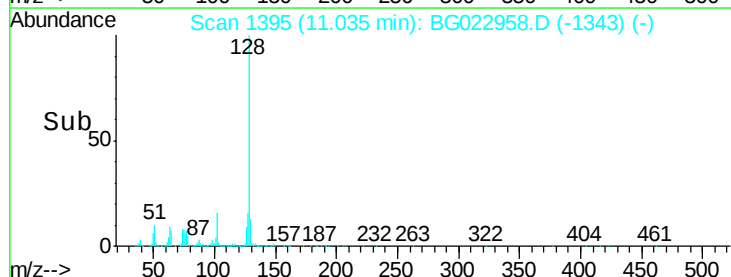


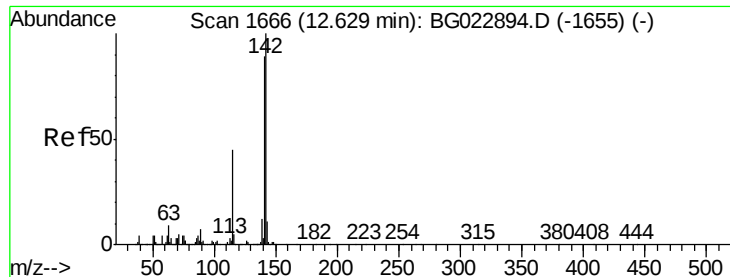
Abundance

Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC

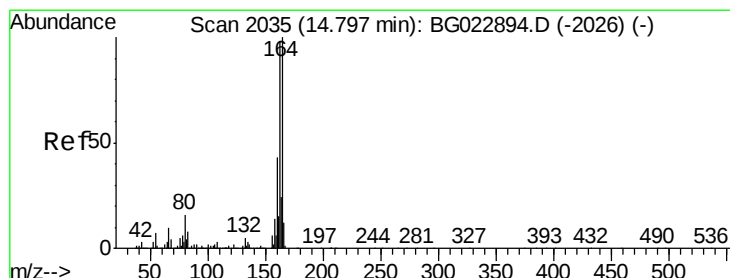
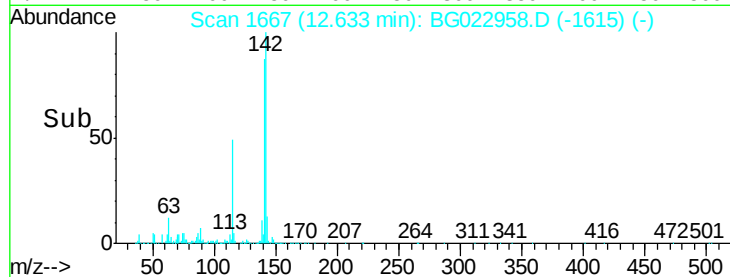
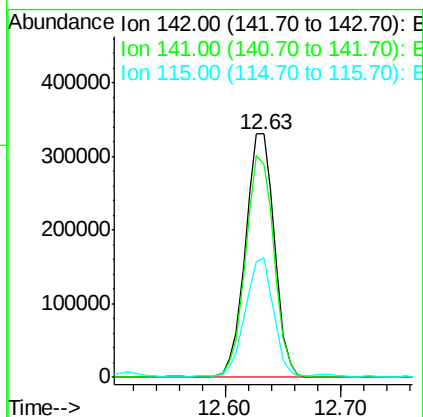
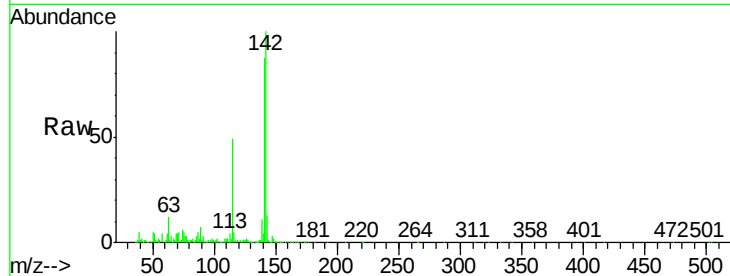




#37
2-Methylnaphthalene
Concen: 30.21 ng
RT: 12.63 min Scan# 1667
Delta R.T. 0.00 min
Lab File: BG022958.D
Acq: 9 Jul 2016 9:25

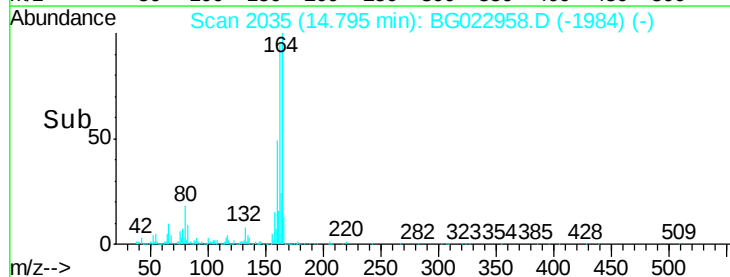
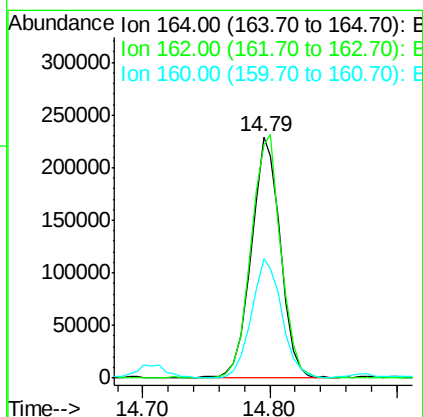
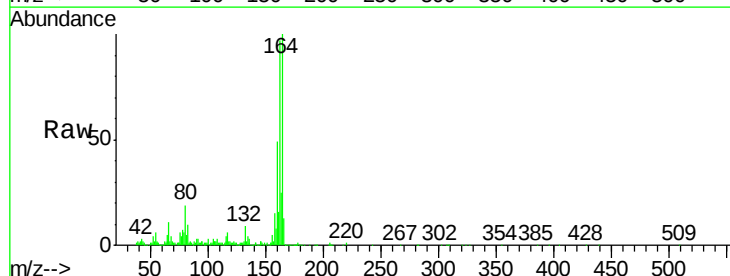
Instrument :
BNA_G
ClientSampleId :
S22-0004

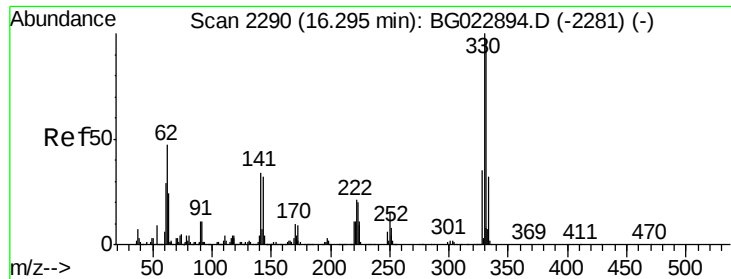
Tot Ion:142 Resp: 577467
Ion Ratio Lower Upper
142 100
141 87.2 70.2 105.2
115 49.1 41.7 62.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.79 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BG022958.D
Acq: 9 Jul 2016 9:25

Tgt Ion:164 Resp: 364522
Ion Ratio Lower Upper
164 100
162 96.5 87.7 131.5
160 49.4 37.2 55.8

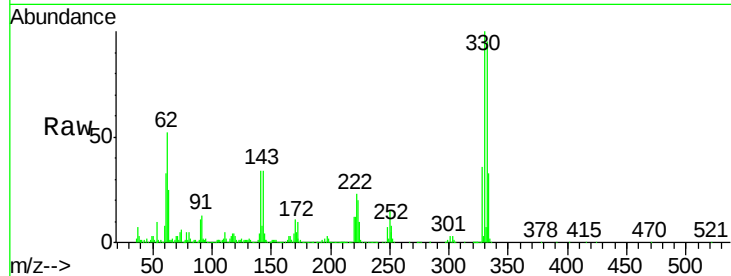




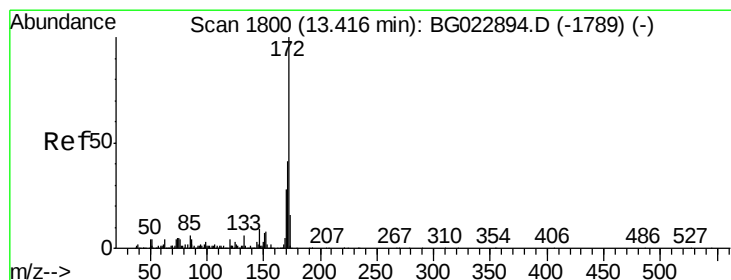
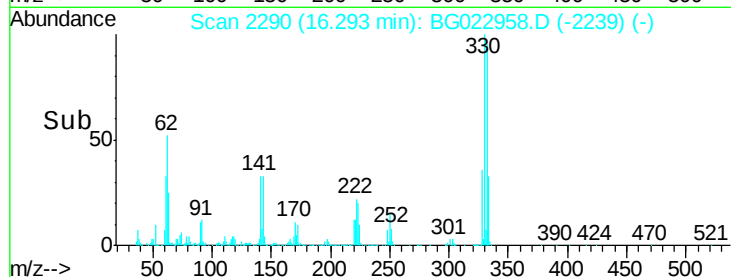
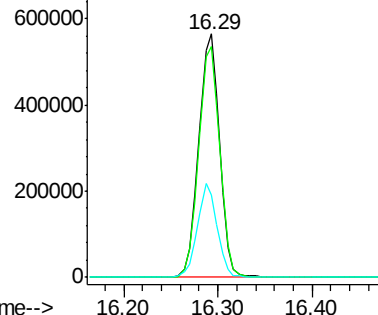
#41
 2,4,6-Tribromophenol
 Concen: 132.11 ng
 RT: 16.29 min Scan# 2290
 Delta R.T. -0.00 min
 Lab File: BG022958.D
 Acq: 9 Jul 2016 9:25

Instrument :
 BNA_G
 ClientSampleId :
 S22-0004

Tot Ion:330 Resp: 865489
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.4 116.2
 141 35.8 31.7 47.5

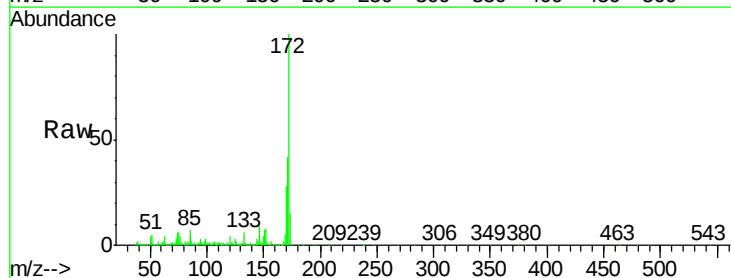


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

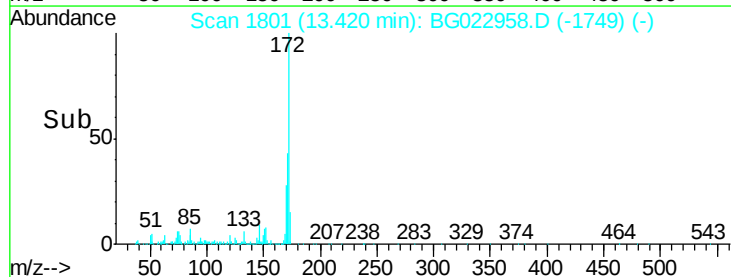
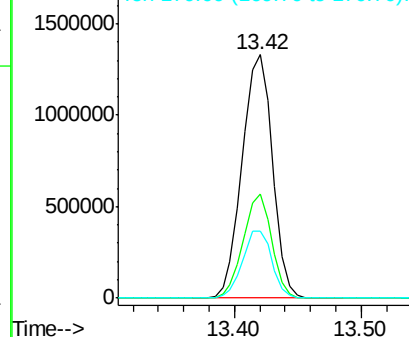


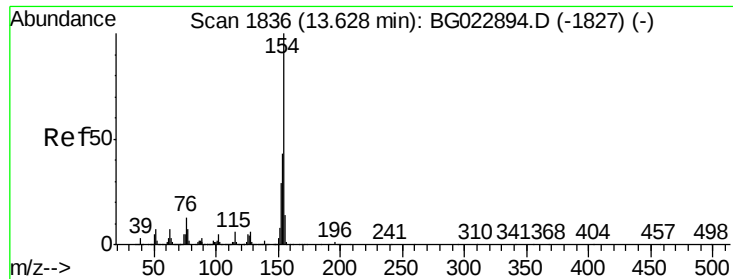
#44
 2-Fluorobiphenyl
 Concen: 95.29 ng
 RT: 13.42 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: BG022958.D
 Acq: 9 Jul 2016 9:25

Tgt Ion:172 Resp: 2205201
 Ion Ratio Lower Upper
 172 100
 171 42.5 31.6 47.4
 170 27.6 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

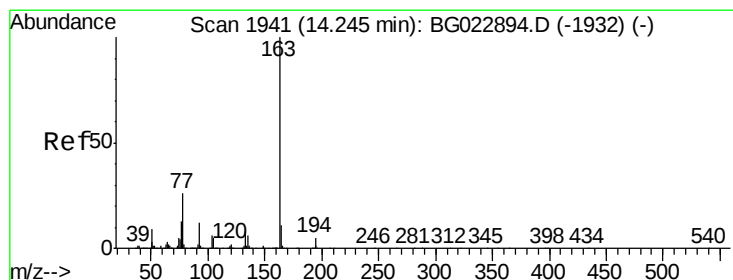
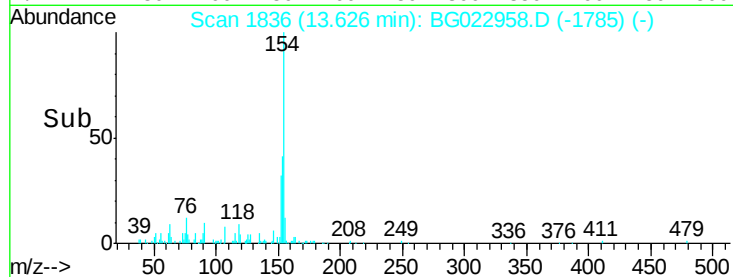
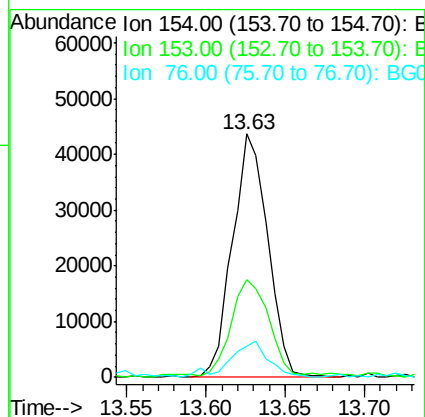
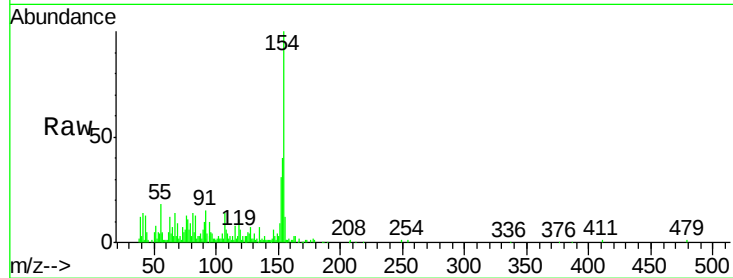




#45
 1,1'-Biphenyl
 Concen: 2.47 ng
 RT: 13.63 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: BG022958.D
 Acq: 9 Jul 2016 9:25

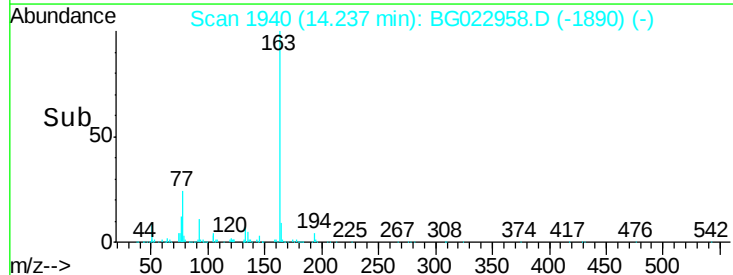
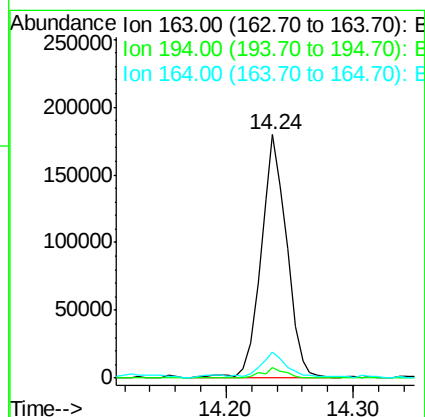
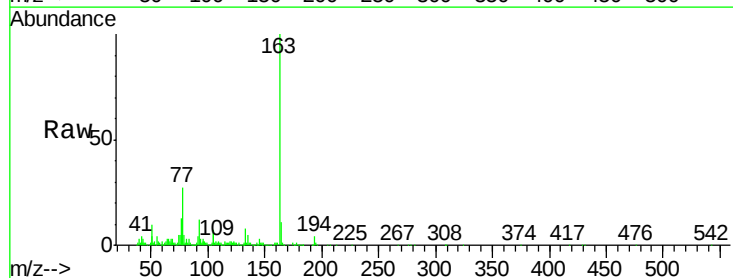
Instrument :
 BNA_G
 ClientSampled :
 S22-0004

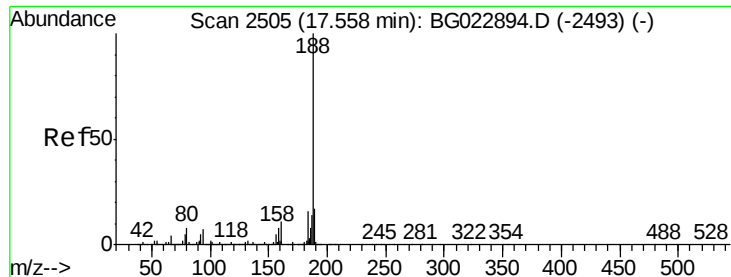
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.2	60.2
76	12.9	0.0	32.9



#49
 Dimethylphthalate
 Concen: 8.44 ng
 RT: 14.24 min Scan# 1940
 Delta R.T. -0.01 min
 Lab File: BG022958.D
 Acq: 9 Jul 2016 9:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.6	5.4
164	10.7	8.1	12.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.55 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BG022958.D

Acq: 9 Jul 2016 9:25

Instrument :

BNA_G

ClientSampleId :

S22-0004

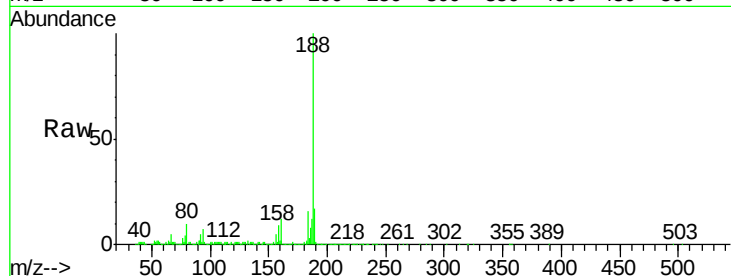
Tot Ion:188 Resp: 849230

Ion Ratio Lower Upper

188 100

94 7.3 5.2 7.8

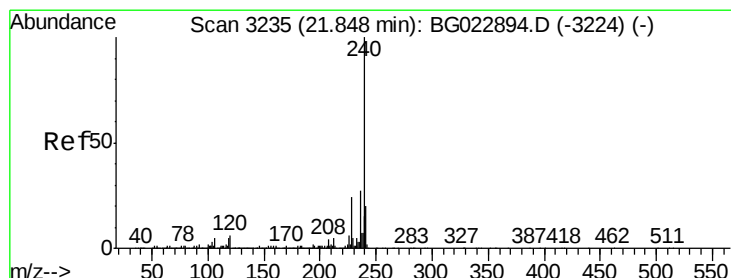
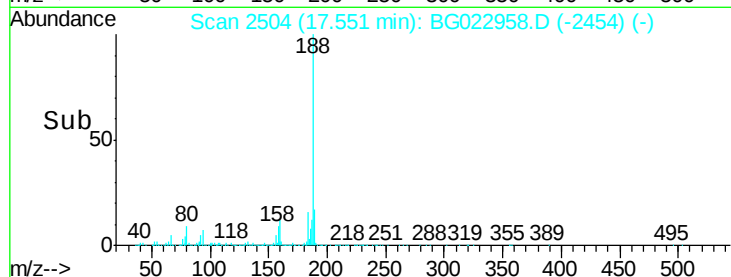
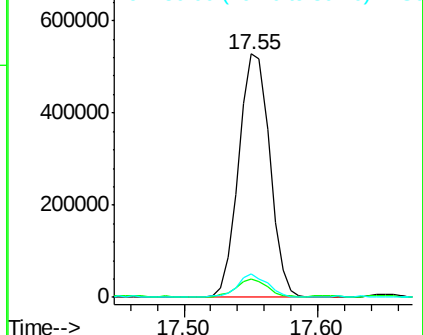
80 9.7 7.2 10.8



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: 21.85 min Scan# 3235

Delta R.T. -0.00 min

Lab File: BG022958.D

Acq: 9 Jul 2016 9:25

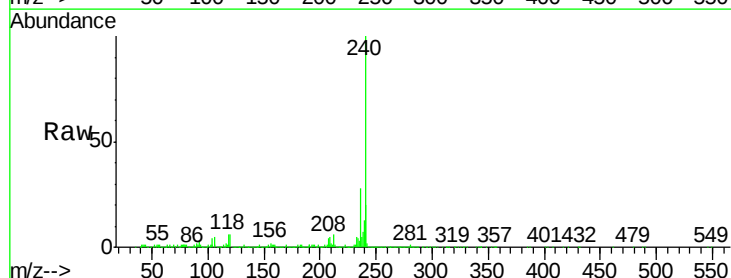
Tgt Ion:240 Resp: 961975

Ion Ratio Lower Upper

240 100

120 5.9 4.1 6.1

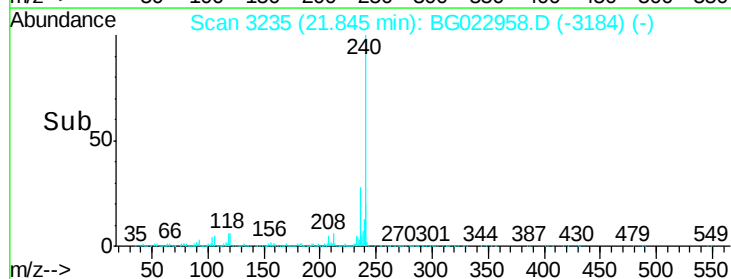
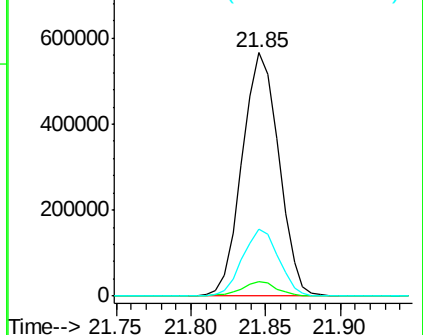
236 27.7 21.1 31.7

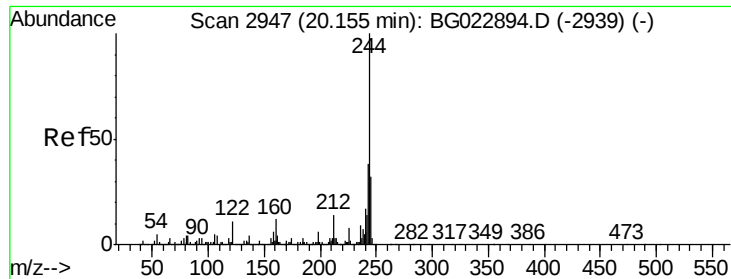


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 113.64 ng

RT: 20.15 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BG022958.D

Acq: 9 Jul 2016 9:25

Instrument :

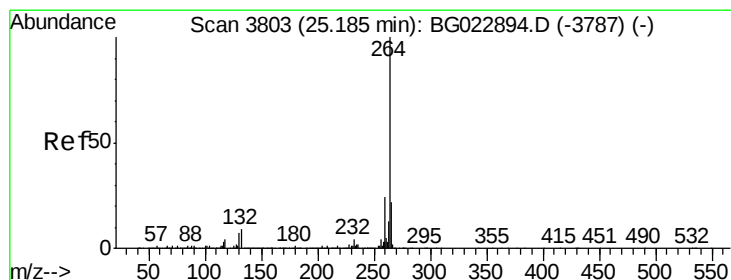
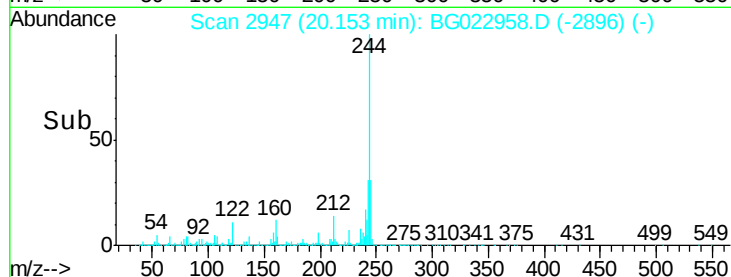
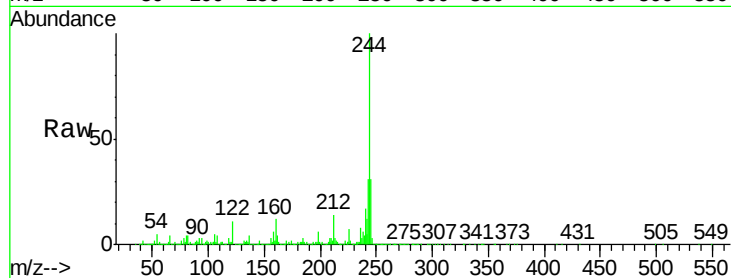
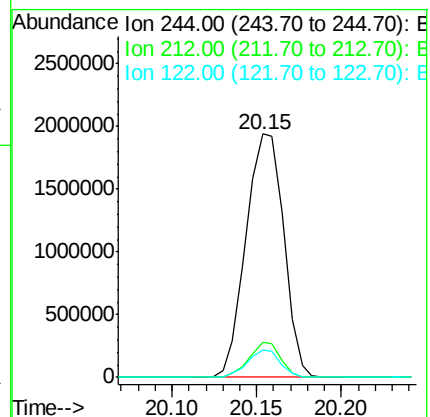
BNA_G

ClientSampleId :

S22-0004

Tot Ion:244 Resp: 3029143

Ion	Ratio	Lower	Upper
244	100		
212	14.2	10.8	16.2
122	11.1	8.0	12.0



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.21 min Scan# 3807

Delta R.T. 0.02 min

Lab File: BG022958.D

Acq: 9 Jul 2016 9:25

Tgt Ion:264 Resp: 999767

Ion	Ratio	Lower	Upper
264	100		
260	25.5	18.4	27.6
265	23.2	18.9	28.3

