

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071116\
 Data File : BG023013.D
 Acq On : 11 Jul 2016 23:18
 Operator : UM/SJ
 Sample : H3967-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S22-0005

Quant Time: Jul 13 02:00:08 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 18:30:58 2016
 Response via : Initial Calibration

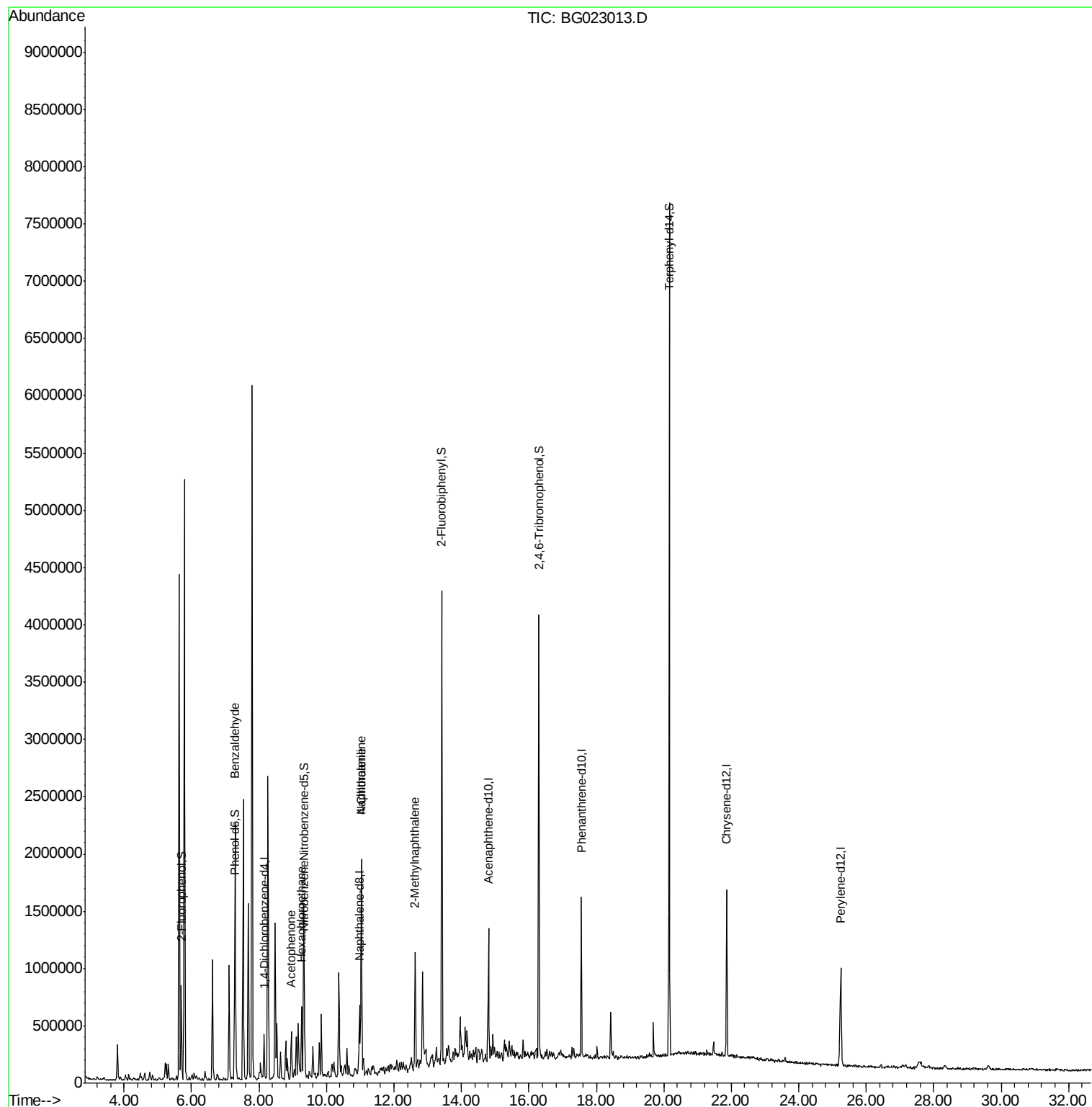
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	98627	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	480763	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	377779	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	856075	20.00	ng	0.00
75) Chrysene-d12	21.86	240	945933	20.00	ng	0.01
86) Perylene-d12	25.24	264	977911	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	317546	52.66	ng	0.00
7) Phenol-d6	7.30	99	339638	35.96	ng	0.00
23) Nitrobenzene-d5	9.33	82	922894	82.20	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	697006	102.66	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1978764	82.50	ng	0.00
78) Terphenyl-d14	20.16	244	2754080	97.77	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.29	77	186107	29.49	ng	# 1
18) Hexachloroethane	9.27	117	101177	30.48	ng	# 1
22) Acetophenone	8.96	105	279998	19.41	ng	# 53
24) Nitrobenzene	9.35	77	25797	2.16	ng	# 23
31) Naphthalene	11.04	128	1389657	56.78	ng	100
33) 4-Chloroaniline	11.04	127	197917	16.54	ng	# 29
37) 2-Methylnaphthalene	12.63	142	446280	23.07	ng	95

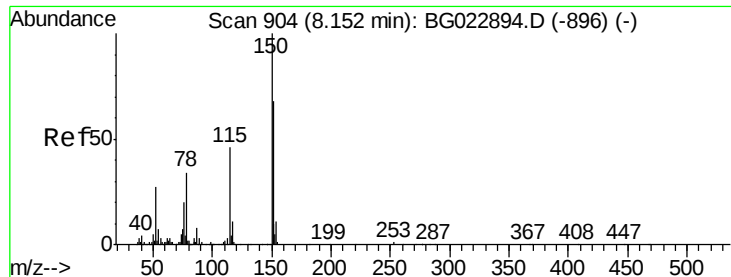
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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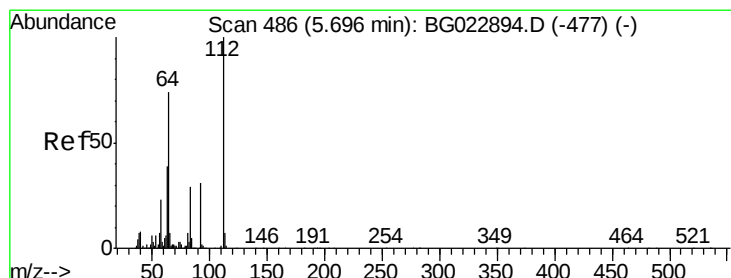
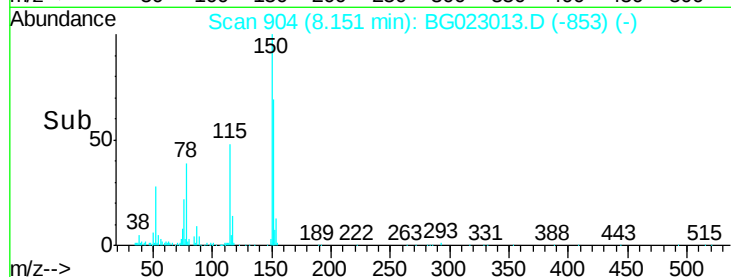
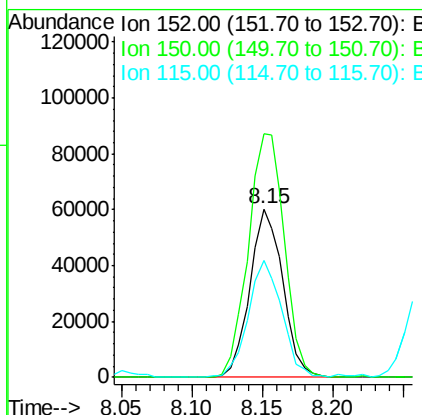
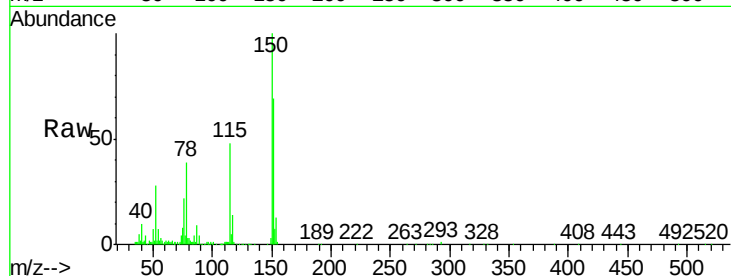


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.15 min Scan# 904
Delta R.T. -0.00 min
Lab File: BG023013.D
Acq: 11 Jul 2016 23:18

Instrument :
BNA_G
ClientSampleId :
S22-0005

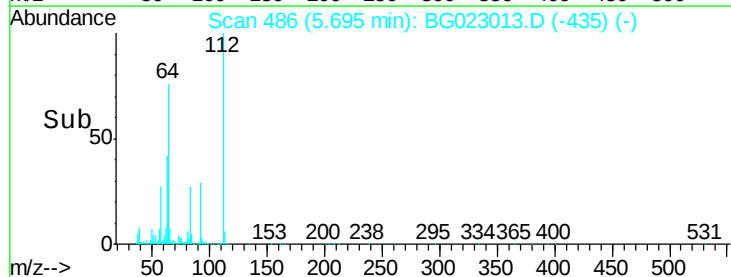
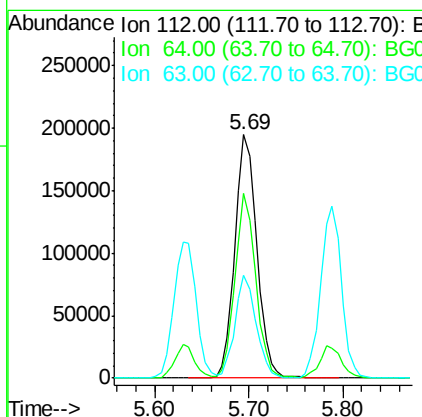
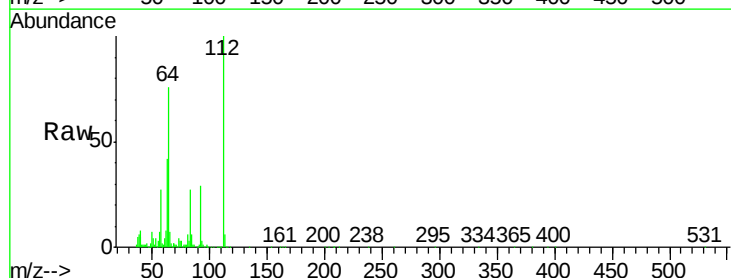
Tgt Ion:152 Resp: 98627
Ion Ratio Lower Upper
152 100
150 144.6 144.7 217.1#
115 69.3 64.0 96.0

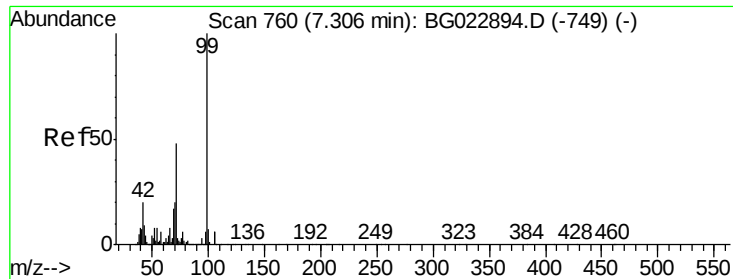


#5

2-Fluorophenol
Concen: 52.66 ng
RT: 5.69 min Scan# 486
Delta R.T. -0.00 min
Lab File: BG023013.D
Acq: 11 Jul 2016 23:18

Tgt Ion:112 Resp: 317546
Ion Ratio Lower Upper
112 100
64 76.1 59.0 88.4
63 42.4 37.8 56.8





#7

Phenol-d6

Concen: 35.96 ng

RT: 7.30 min Scan# 760

Delta R.T. -0.00 min

Lab File: BG023013.D

Acq: 11 Jul 2016 23:18

Instrument :

BNA_G

ClientSampleId :

S22-0005

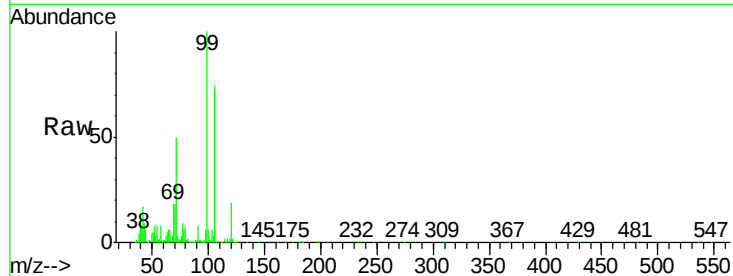
Tgt Ion: 99 Resp: 339638

Ion Ratio Lower Upper

99 100

42 17.3 17.8 26.6#

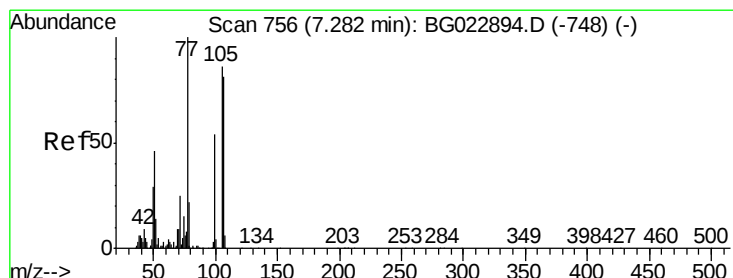
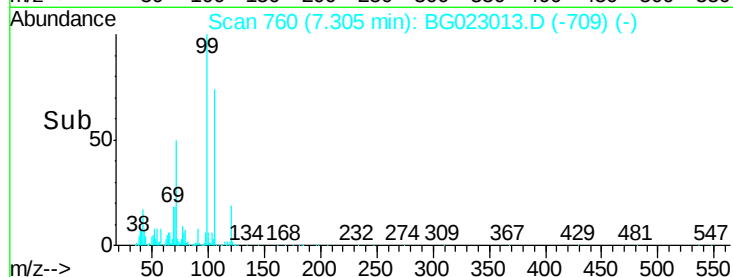
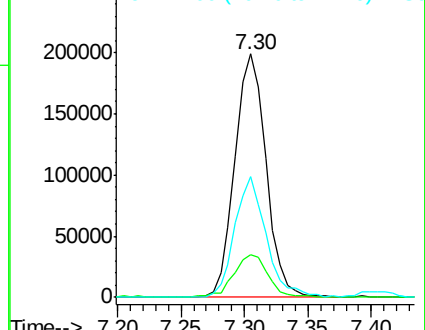
71 49.7 41.5 62.3



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



#9

Benzaldehyde

Concen: 29.49 ng

RT: 7.29 min Scan# 757

Delta R.T. 0.00 min

Lab File: BG023013.D

Acq: 11 Jul 2016 23:18

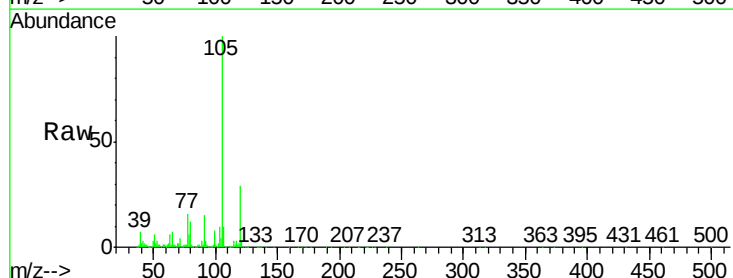
Tgt Ion: 77 Resp: 186107

Ion Ratio Lower Upper

77 100

105 631.4 58.7 98.7#

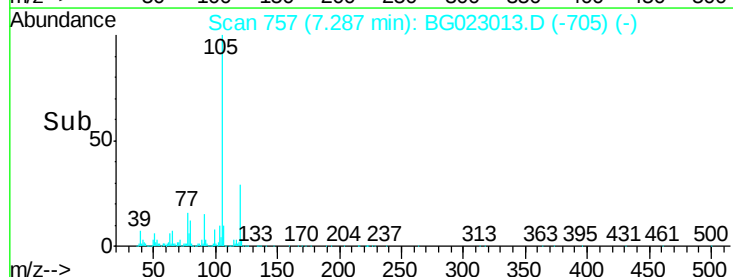
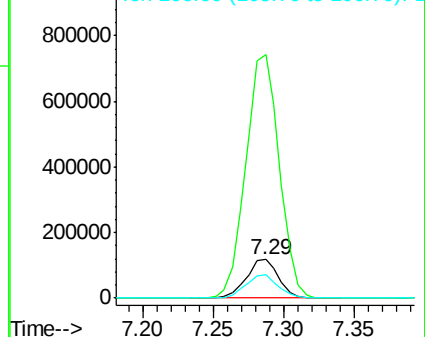
106 61.3 67.5 107.5#

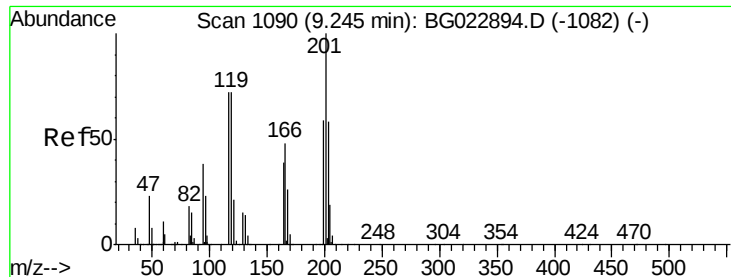


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC

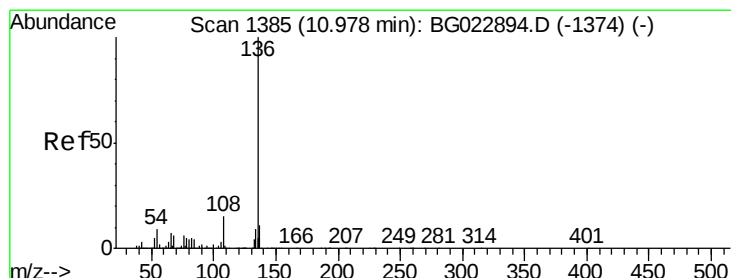
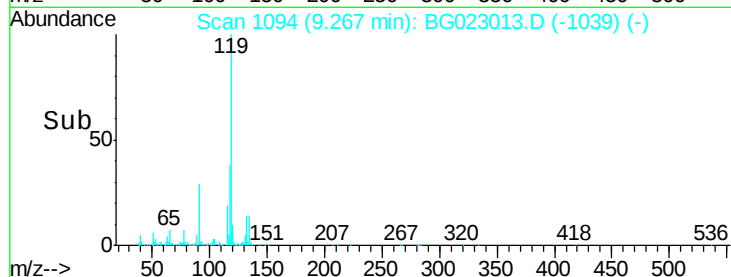
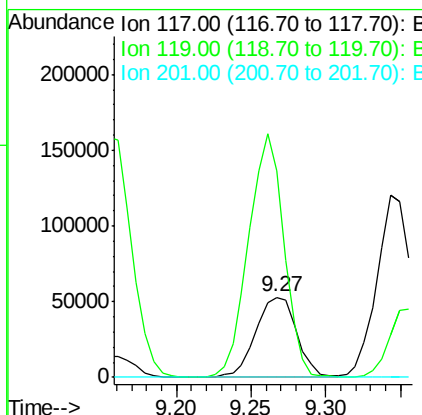
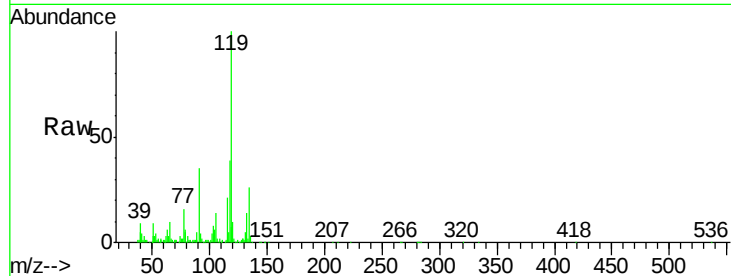




#18
Hexachloroethane
Concen: 30.48 ng
RT: 9.27 min Scan# 1094
Delta R.T. 0.02 min
Lab File: BG023013.D
Acq: 11 Jul 2016 23:18

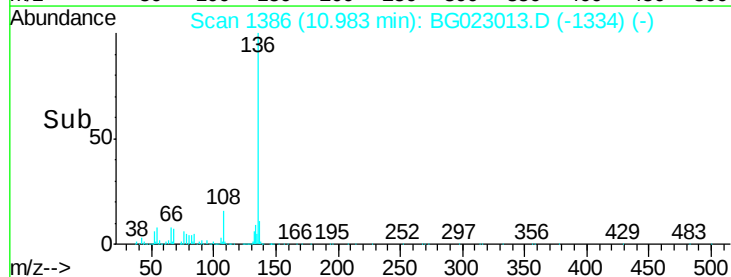
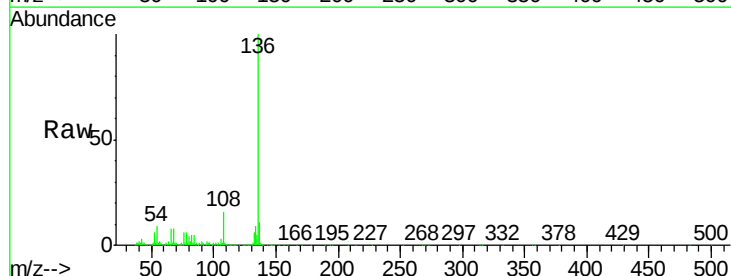
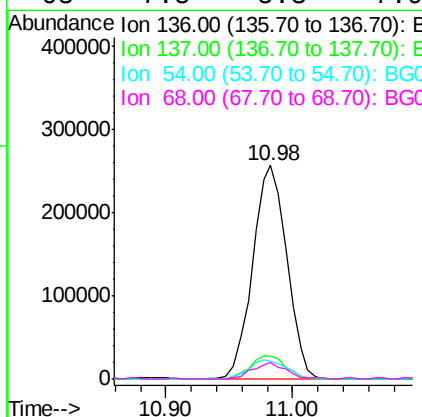
Instrument :
BNA_G
ClientSampleId :
S22-0005

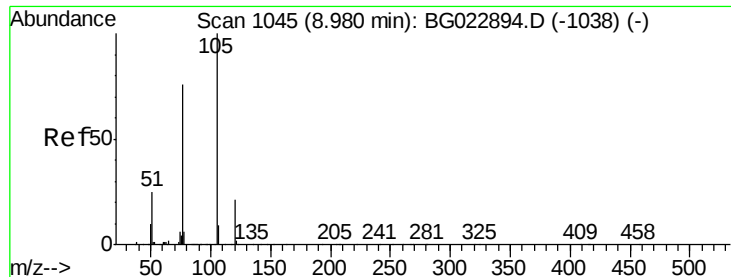
Tgt Ion:117 Resp: 101177
Ion Ratio Lower Upper
117 100
119 258.6 73.7 110.5#
201 0.0 88.7 133.1#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.98 min Scan# 1386
Delta R.T. 0.00 min
Lab File: BG023013.D
Acq: 11 Jul 2016 23:18

Tgt Ion:136 Resp: 480763
Ion Ratio Lower Upper
136 100
137 11.1 9.6 14.4
54 8.5 7.3 10.9
68 7.5 5.3 7.9





#22

Acetophenone

Concen: 19.41 ng

RT: 8.96 min Scan# 1041

Delta R.T. -0.02 min

Lab File: BG023013.D

Acq: 11 Jul 2016 23:18

Instrument :

BNA_G

ClientSampleId :

S22-0005

Tgt Ion:105 Resp: 279998

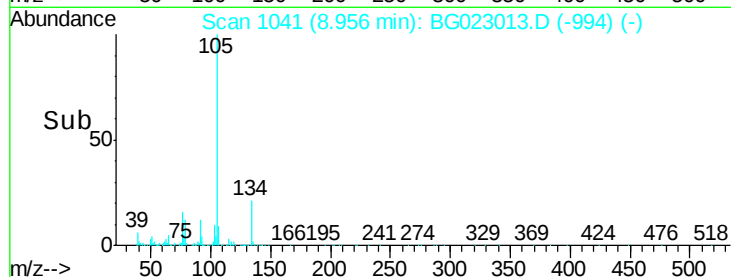
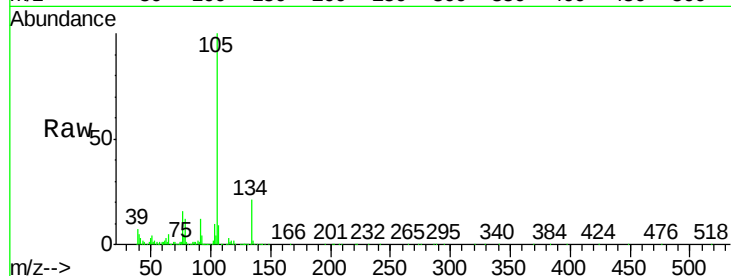
Ion Ratio Lower Upper

105 100

71 0.3 2.6 3.8#

51 3.5 27.1 40.7#

120 0.2 15.1 22.7#

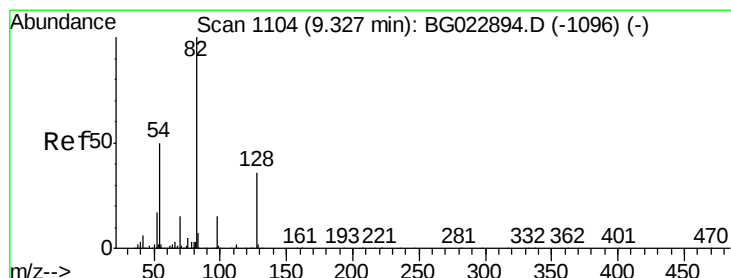
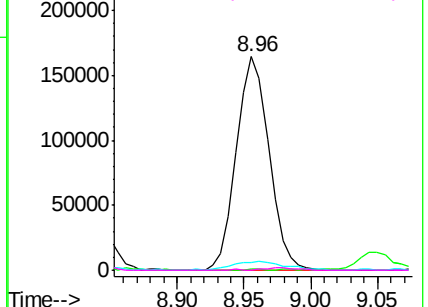


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 82.20 ng

RT: 9.33 min Scan# 1104

Delta R.T. -0.00 min

Lab File: BG023013.D

Acq: 11 Jul 2016 23:18

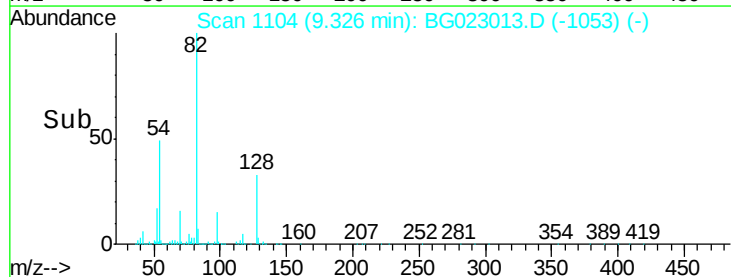
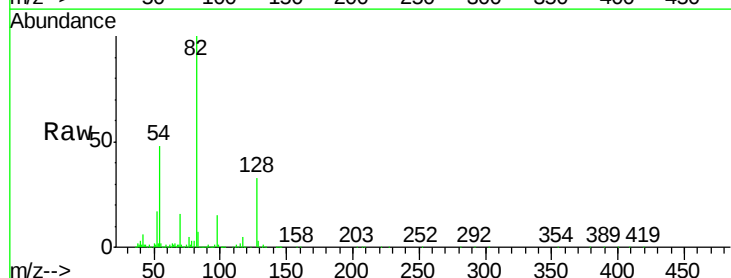
Tgt Ion: 82 Resp: 922894

Ion Ratio Lower Upper

82 100

128 32.9 24.4 36.6

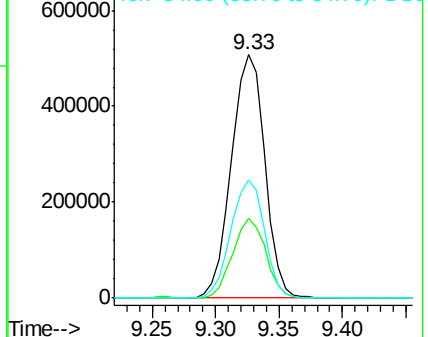
54 48.5 41.4 62.0

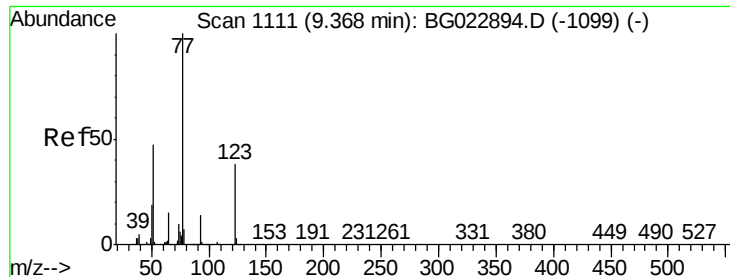


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#24

Nitrobenzene

Concen: 2.16 ng

RT: 9.35 min Scan# 1108

Delta R.T. -0.02 min

Lab File: BG023013.D

Acq: 11 Jul 2016 23:18

Instrument :

BNA_G

ClientSampleId :

S22-0005

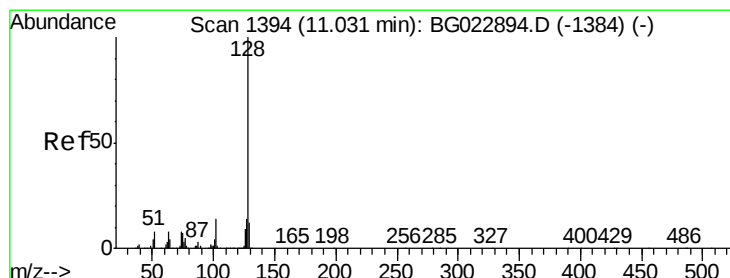
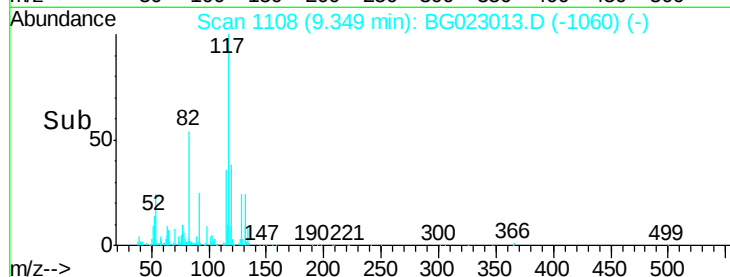
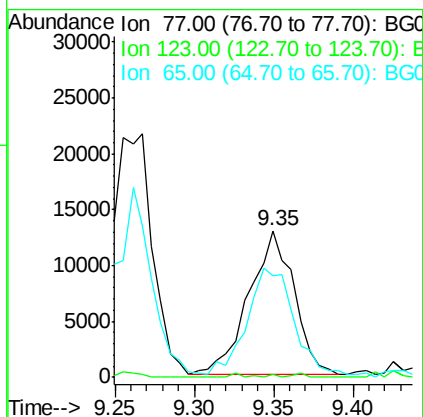
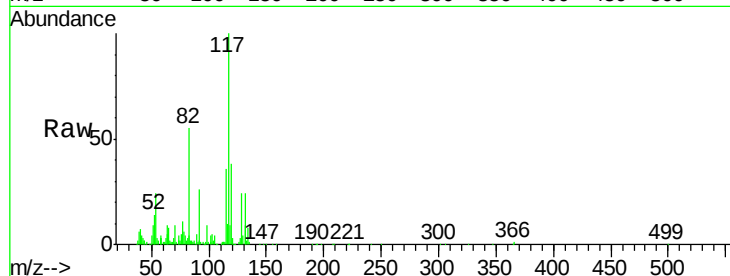
Tgt Ion: 77 Resp: 25797

Ion Ratio Lower Upper

77 100

123 1.8 25.0 37.6#

65 69.0 13.4 20.0#



#31

Naphthalene

Concen: 56.78 ng

RT: 11.04 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BG023013.D

Acq: 11 Jul 2016 23:18

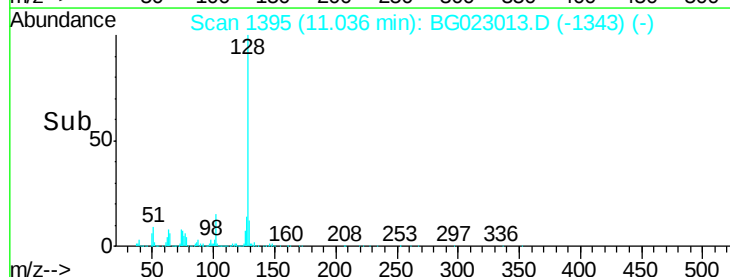
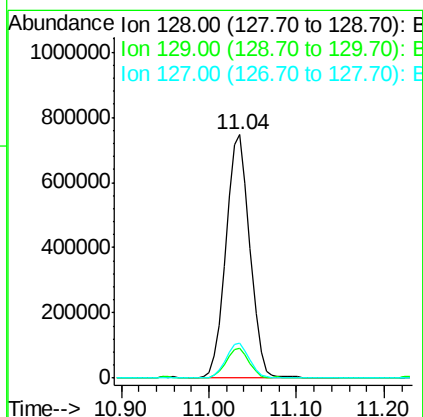
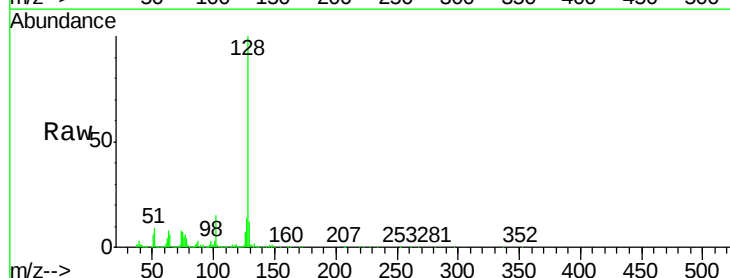
Tgt Ion: 128 Resp: 1389657

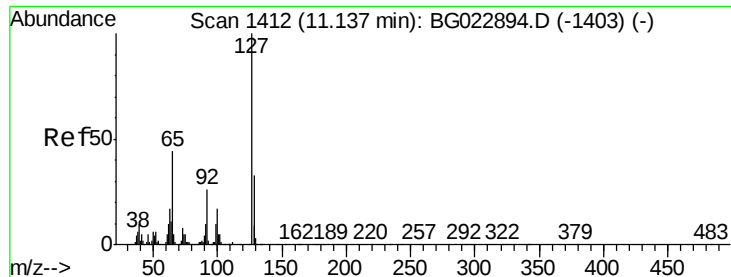
Ion Ratio Lower Upper

128 100

129 12.1 9.4 14.0

127 14.1 11.3 16.9

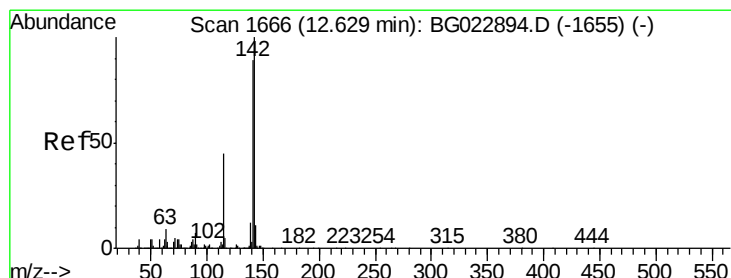
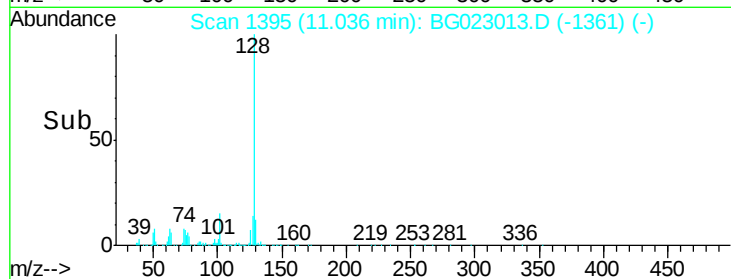
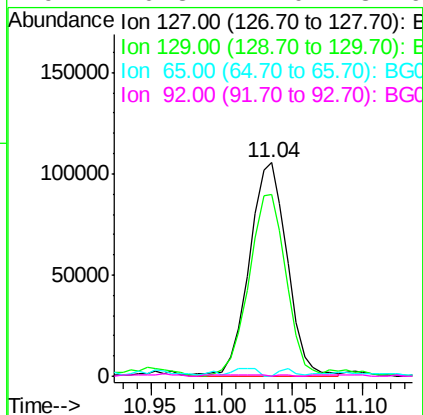
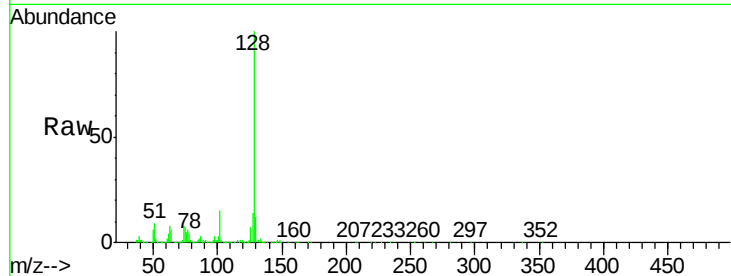




#33
 4-Chloroaniline
 Concen: 16.54 ng
 RT: 11.04 min Scan# 1395
 Delta R.T. -0.10 min
 Lab File: BG023013.D
 Acq: 11 Jul 2016 23:18

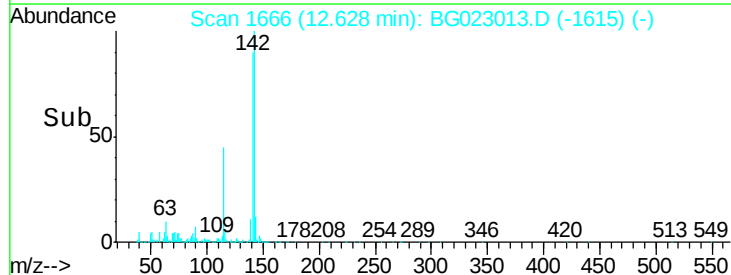
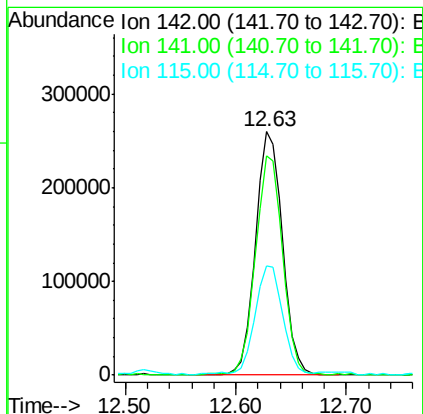
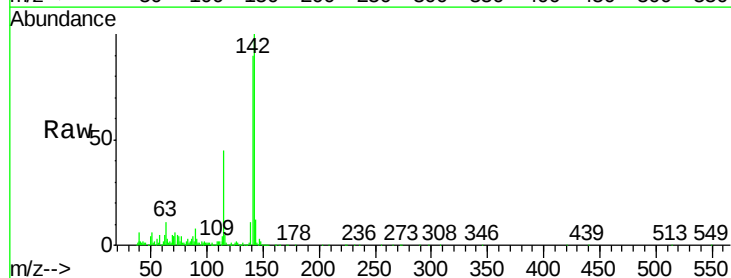
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 S22-0005

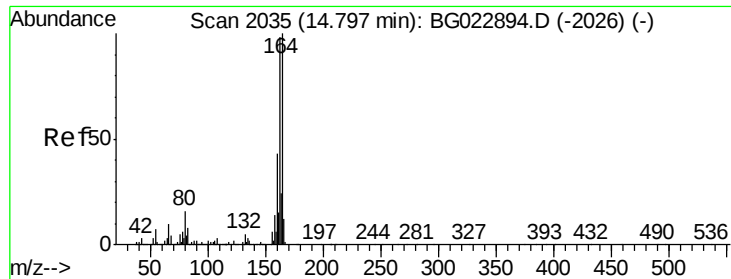
Tgt Ion:	127	Resp:	197917
Ion	Ratio	Lower	Upper
127	100		
129	85.4	27.9	41.9#
65	0.0	36.8	55.2#
92	0.3	21.0	31.6#



#37
 2-Methylnaphthalene
 Concen: 23.07 ng
 RT: 12.63 min Scan# 1666
 Delta R.T. -0.00 min
 Lab File: BG023013.D
 Acq: 11 Jul 2016 23:18

Tgt Ion:	142	Resp:	446280
Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.2	105.2
115	44.9	41.7	62.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 2036

Delta R.T. 0.00 min

Lab File: BG023013.D

Acq: 11 Jul 2016 23:18

Instrument :

BNA_G

ClientSampleId :

S22-0005

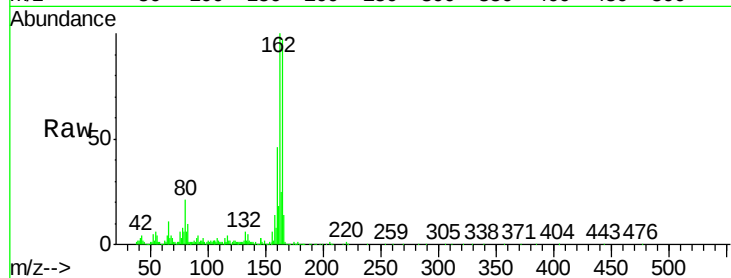
Tgt Ion:164 Resp: 377779

Ion Ratio Lower Upper

164 100

162 102.6 87.7 131.5

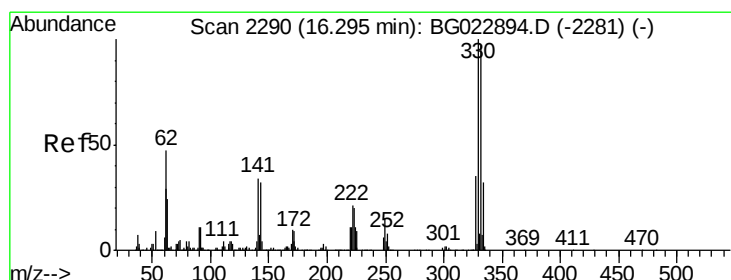
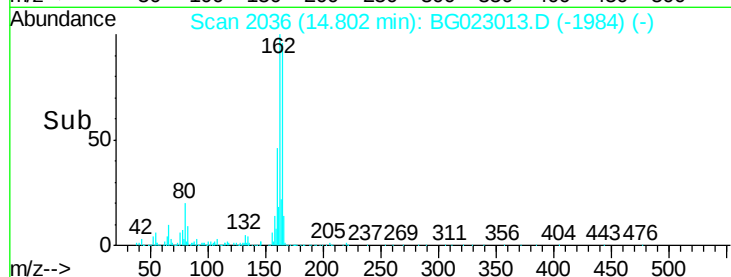
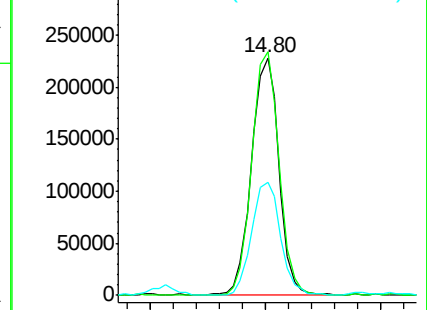
160 47.5 37.2 55.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 102.66 ng

RT: 16.29 min Scan# 2290

Delta R.T. -0.00 min

Lab File: BG023013.D

Acq: 11 Jul 2016 23:18

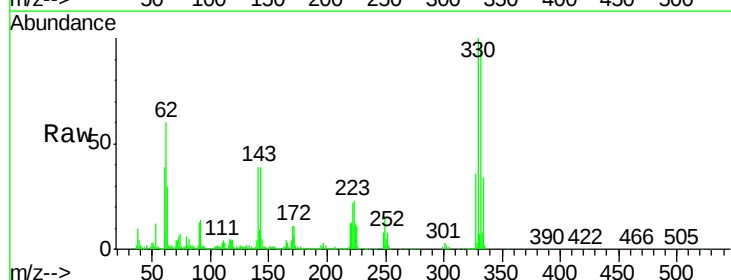
Tgt Ion:330 Resp: 697006

Ion Ratio Lower Upper

330 100

332 96.2 77.4 116.2

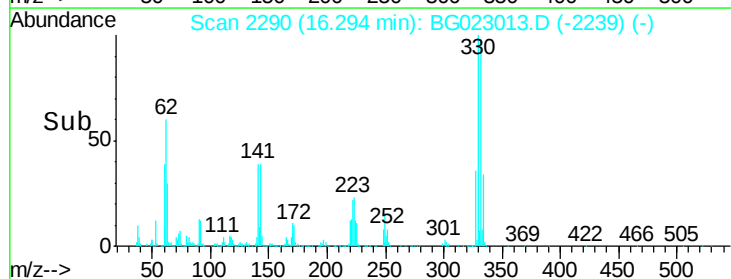
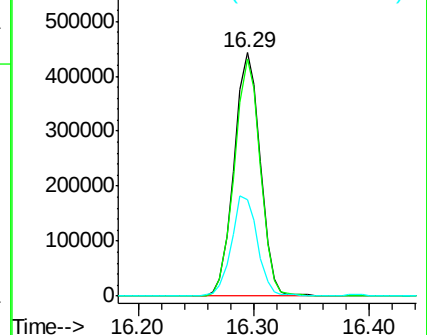
141 40.2 31.7 47.5

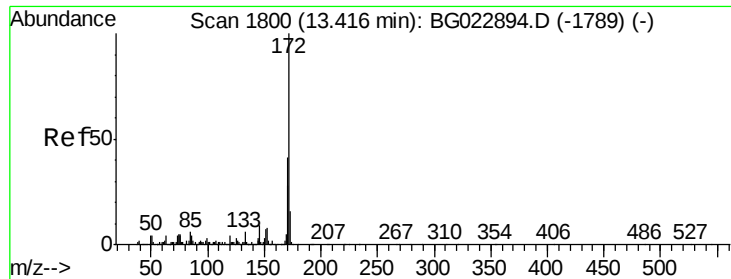


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

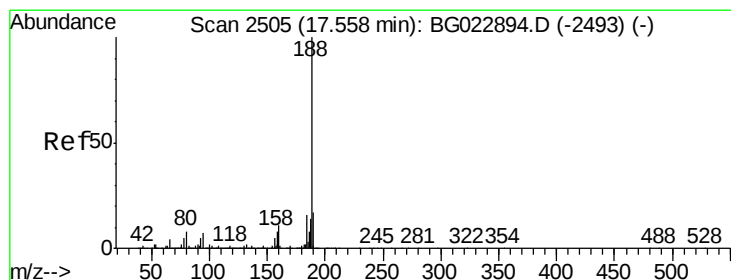
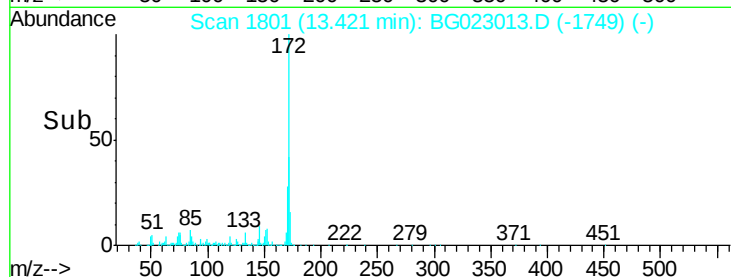
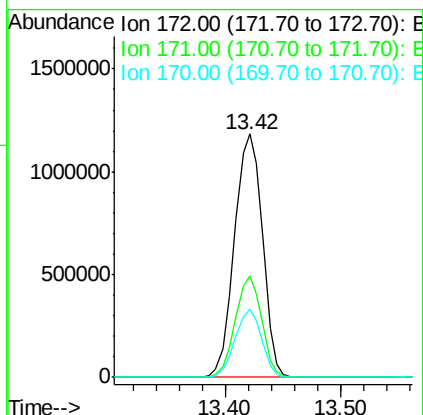
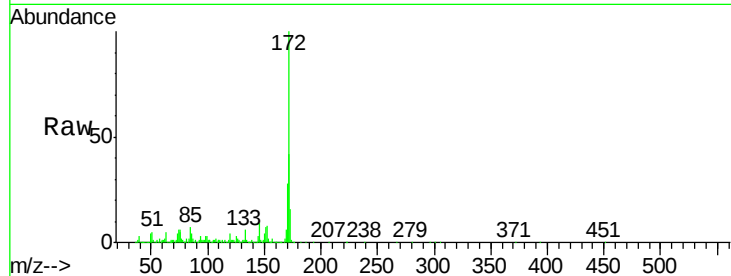




#44
 2-Fluorobiphenyl
 Concen: 82.50 ng
 RT: 13.42 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: BG023013.D
 Acq: 11 Jul 2016 23:18

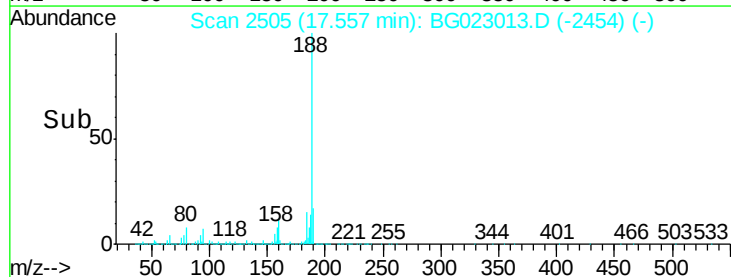
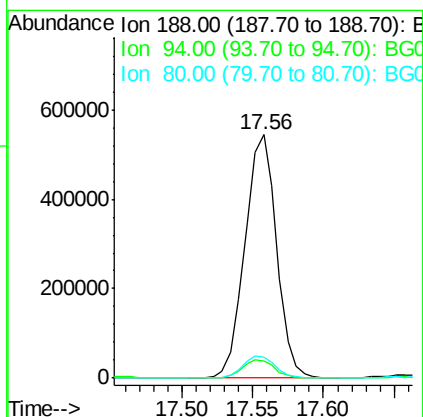
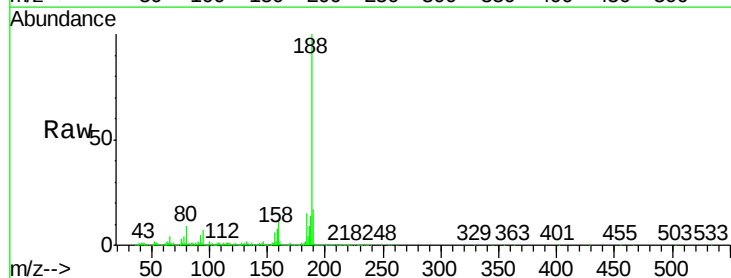
Instrument :
 BNA_G
 ClientSampleId :
 S22-0005

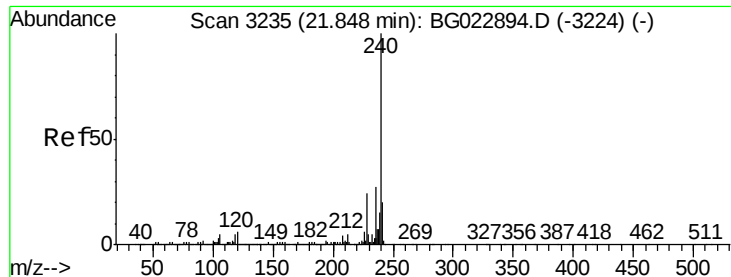
Tgt Ion:172 Resp: 1978764
 Ion Ratio Lower Upper
 172 100
 171 41.7 31.6 47.4
 170 27.8 21.3 31.9



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.56 min Scan# 2505
 Delta R.T. -0.00 min
 Lab File: BG023013.D
 Acq: 11 Jul 2016 23:18

Tgt Ion:188 Resp: 856075
 Ion Ratio Lower Upper
 188 100
 94 6.9 5.2 7.8
 80 8.5 7.2 10.8

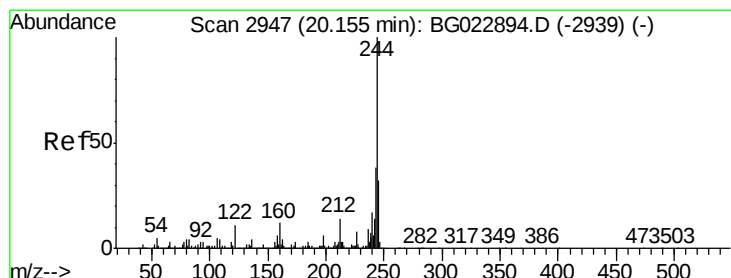
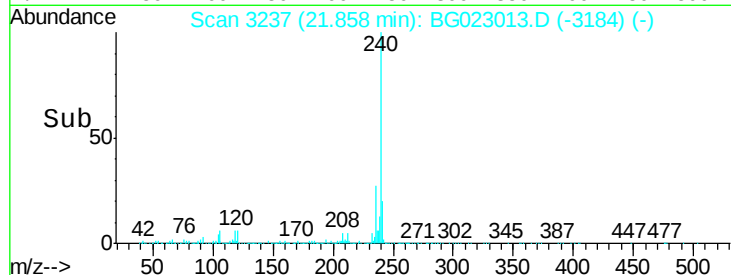
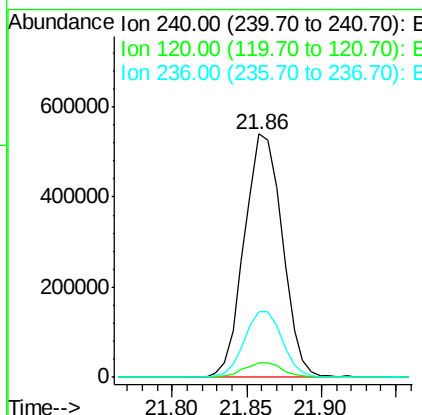
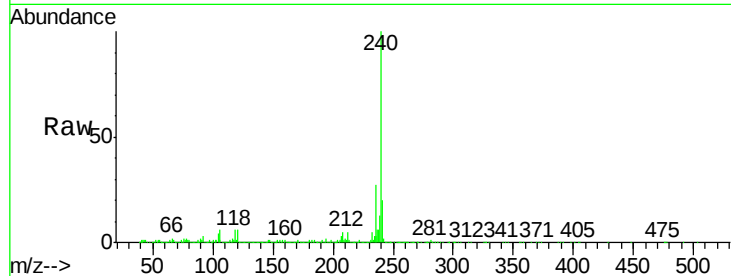




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.86 min Scan# 3237
Delta R.T. 0.01 min
Lab File: BG023013.D
Acq: 11 Jul 2016 23:18

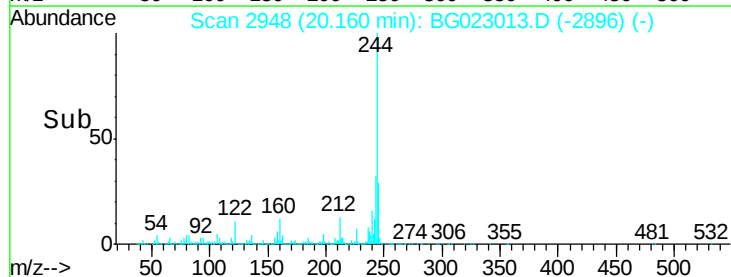
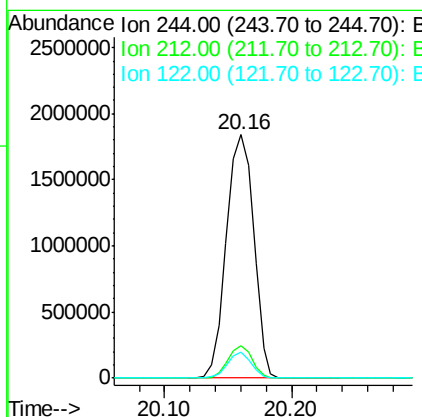
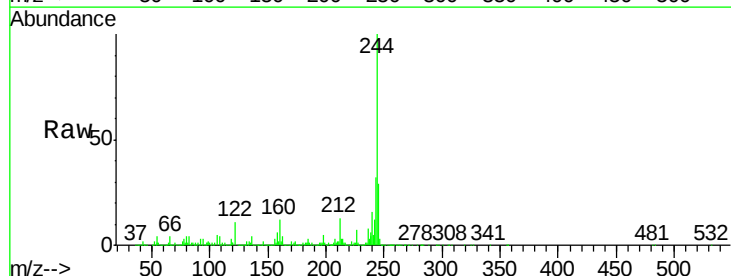
Instrument :
BNA_G
ClientSampleId :
S22-0005

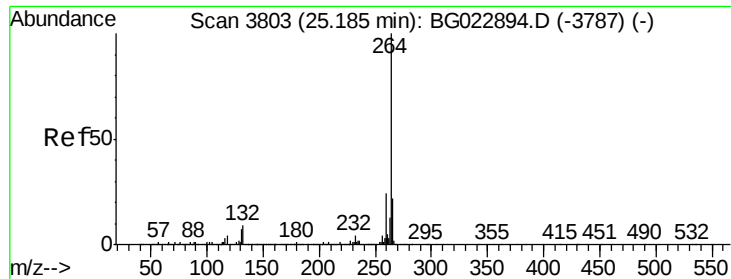
Tgt Ion:240 Resp: 945933
Ion Ratio Lower Upper
240 100
120 5.7 4.1 6.1
236 26.8 21.1 31.7



#78
Terphenyl-d14
Concen: 97.77 ng
RT: 20.16 min Scan# 2948
Delta R.T. 0.01 min
Lab File: BG023013.D
Acq: 11 Jul 2016 23:18

Tgt Ion:244 Resp: 2754080
Ion Ratio Lower Upper
244 100
212 13.3 10.8 16.2
122 10.9 8.0 12.0





#86

Perylene-d12

Concen: 20.00 ng

RT: 25.24 min Scan# 3813

Delta R.T. 0.06 min

Lab File: BG023013.D

Acq: 11 Jul 2016 23:18

Instrument :

BNA_G

ClientSampleId :

S22-0005

Tgt Ion: 264 Resp: 977911

Ion Ratio Lower Upper

264 100

260 23.7 18.4 27.6

265 23.1 18.9 28.3

