

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071316\
 Data File : BG023073.D
 Acq On : 13 Jul 2016 17:10
 Operator : UM/SJ
 Sample : H3953-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S8-0577

Quant Time: Jul 14 00:59:29 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

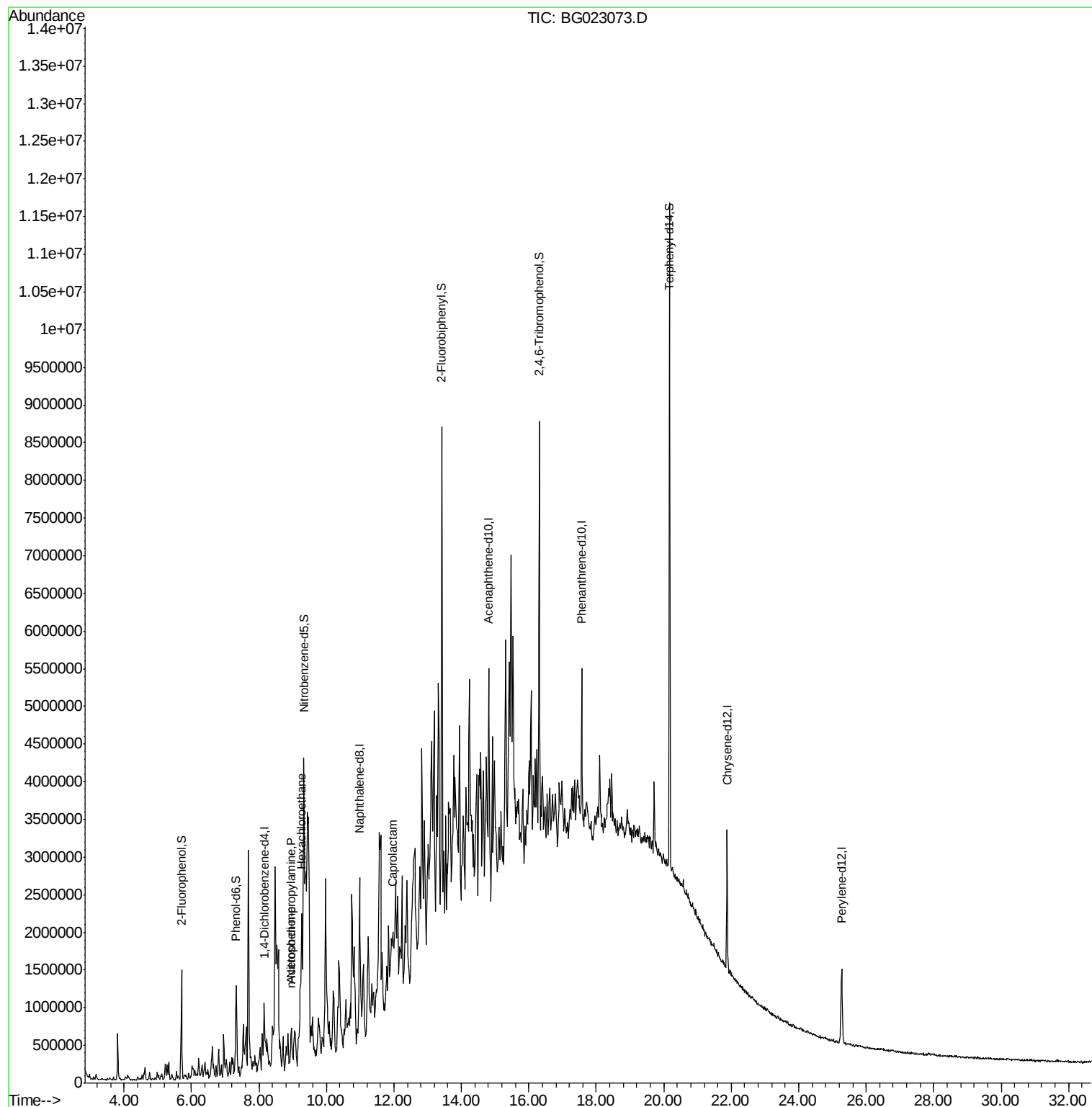
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	176579	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	792296	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	569998	20.00	ng	0.00
63) Phenanthrene-d10	17.57	188	1076100	20.00	ng	0.01
75) Chrysene-d12	21.88	240	1144773	20.00	ng	0.03
86) Perylene-d12	25.27	264	1152796	20.00	ng	0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	622124	57.62	ng	0.00
7) Phenol-d6	7.32	99	644041	38.09	ng	0.01
23) Nitrobenzene-d5	9.33	82	1548126	83.67	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	1006267	98.23	ng	0.02
44) 2-Fluorobiphenyl	13.42	172	2674335	73.90	ng	0.00
78) Terphenyl-d14	20.17	244	3073254	85.24	ng	0.02
Target Compounds						
18) Hexachloroethane	9.27	117	33726	5.67	ng	# 43
19) n-Nitroso-di-n-propylamine	8.97	70	85306	5.60	ng	# 69
22) Acetophenone	8.96	105	107794	4.53	ng	# 62
35) Caprolactam	11.96	113	22375	3.82	ng	# 1

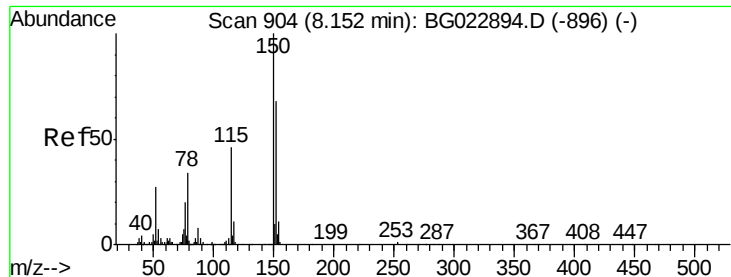
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG023073.D

Acq: 13 Jul 2016 17:10

Instrument :

BNA_G

ClientSampleId :

S8-0577

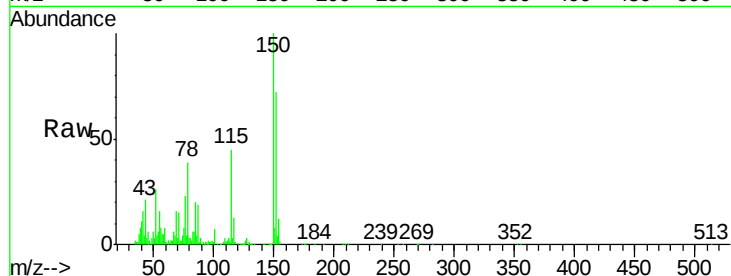
Tgt Ion:152 Resp: 176579

Ion Ratio Lower Upper

152 100

150 138.6 144.7 217.1#

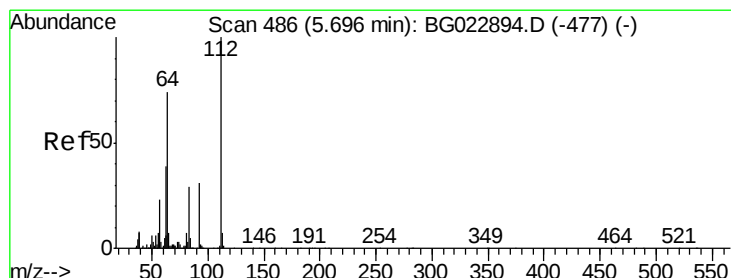
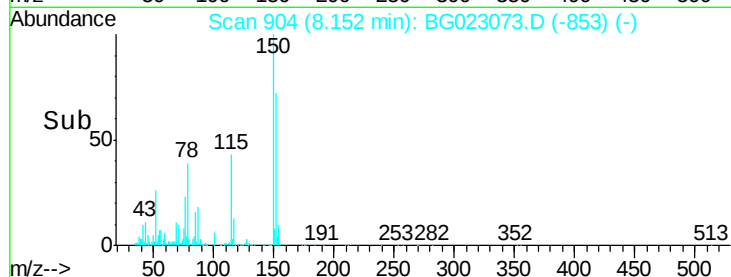
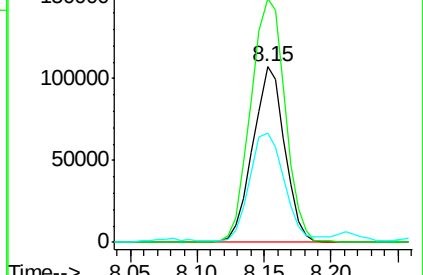
115 62.5 64.0 96.0#



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: 57.62 ng

RT: 5.70 min Scan# 487

Delta R.T. 0.01 min

Lab File: BG023073.D

Acq: 13 Jul 2016 17:10

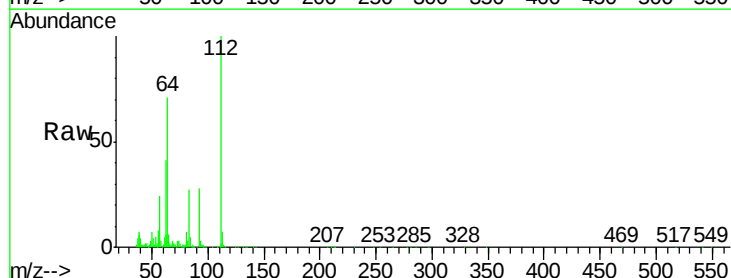
Tgt Ion:112 Resp: 622124

Ion Ratio Lower Upper

112 100

64 71.1 59.0 88.4

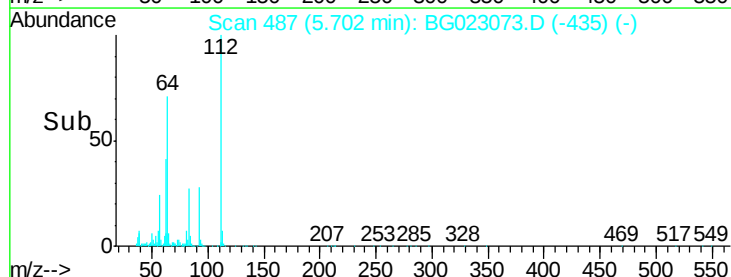
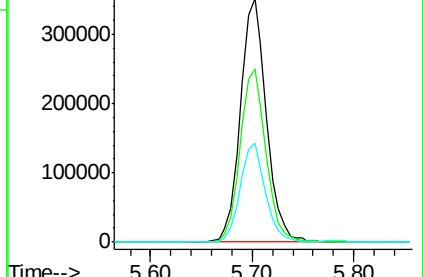
63 40.6 37.8 56.8

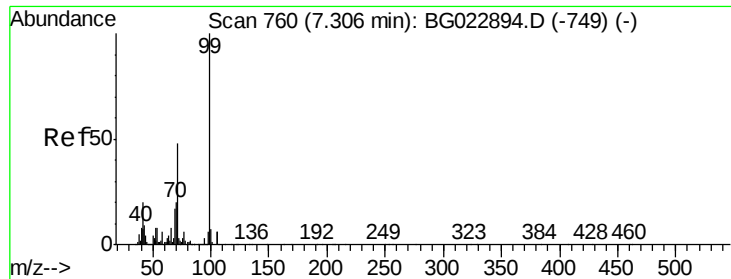


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 38.09 ng

RT: 7.32 min Scan# 762

Delta R.T. 0.01 min

Lab File: BG023073.D

Acq: 13 Jul 2016 17:10

Instrument :

BNA_G

ClientSampleId :

S8-0577

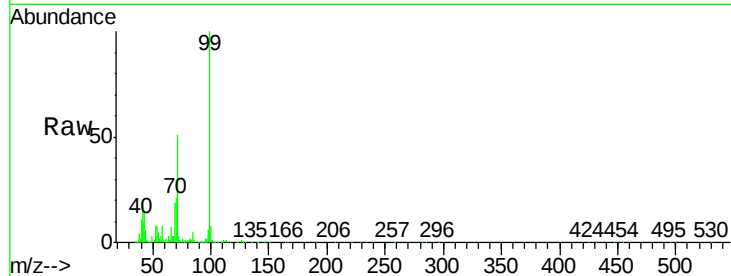
Tgt Ion: 99 Resp: 644041

Ion Ratio Lower Upper

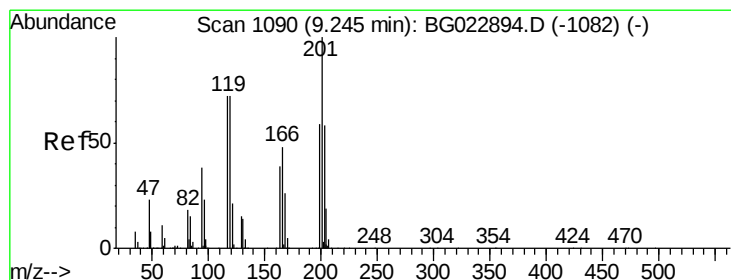
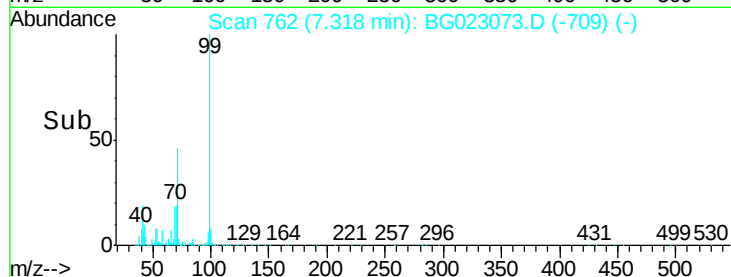
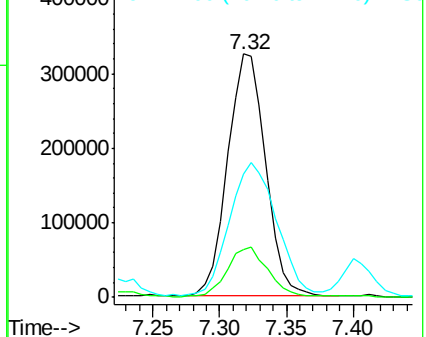
99 100

42 19.8 17.8 26.6

71 50.8 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



#18

Hexachloroethane

Concen: 5.67 ng

RT: 9.27 min Scan# 1094

Delta R.T. 0.02 min

Lab File: BG023073.D

Acq: 13 Jul 2016 17:10

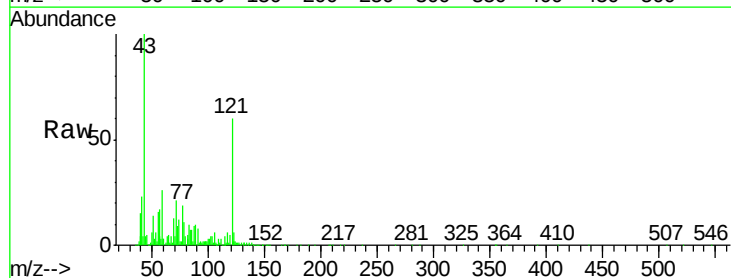
Tgt Ion: 117 Resp: 33726

Ion Ratio Lower Upper

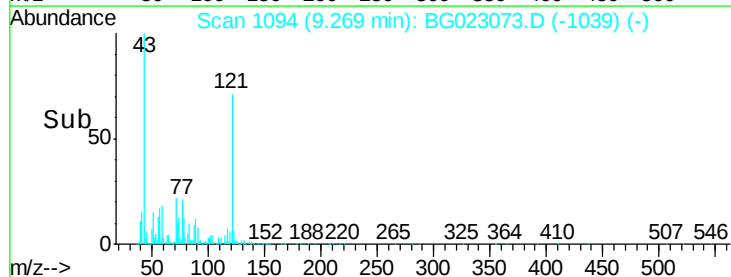
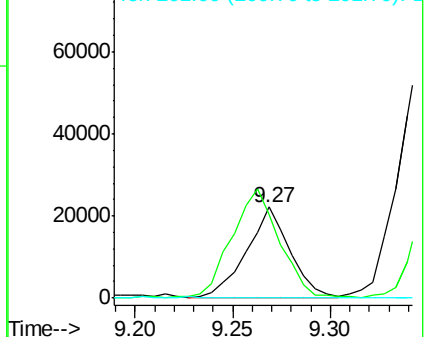
117 100

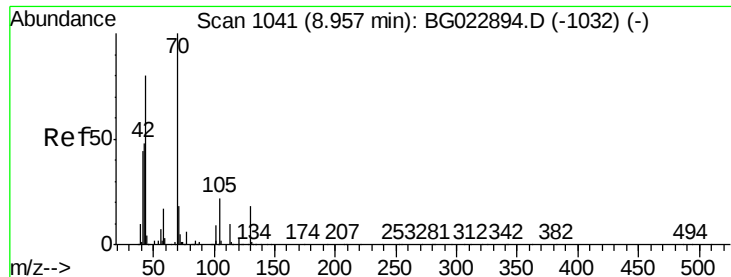
119 92.7 73.7 110.5

201 0.0 88.7 133.1#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

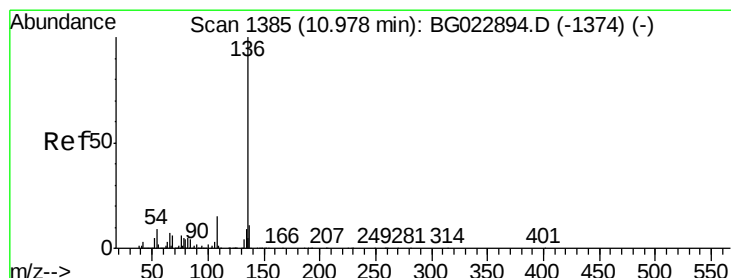
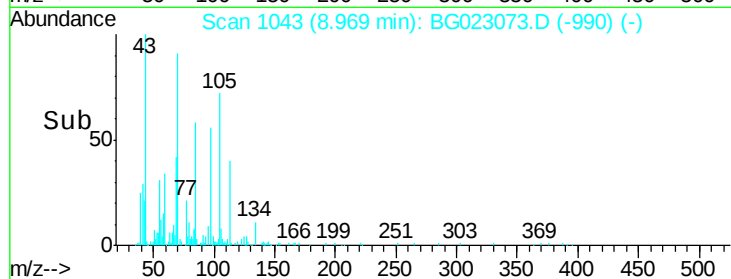
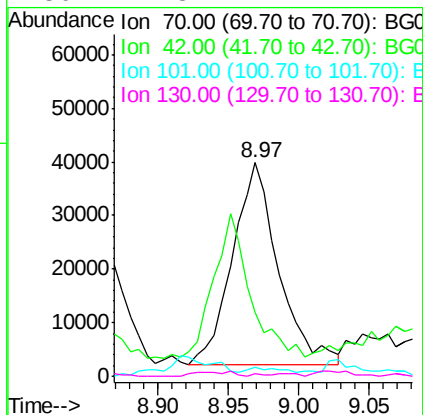
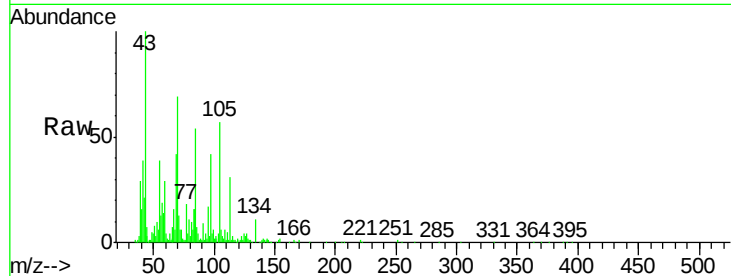




#19
n-Nitroso-di-n-propylamine
Concen: 5.60 ng
RT: 8.97 min Scan# 1043
Delta R.T. 0.01 min
Lab File: BG023073.D
Acq: 13 Jul 2016 17:10

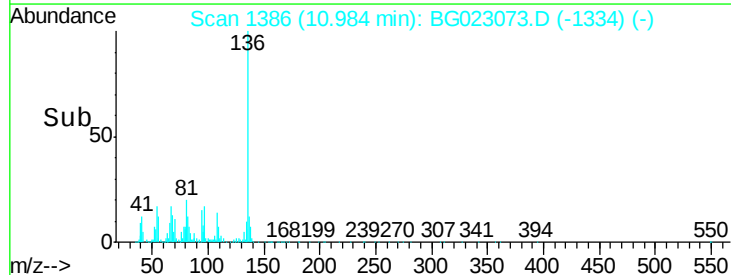
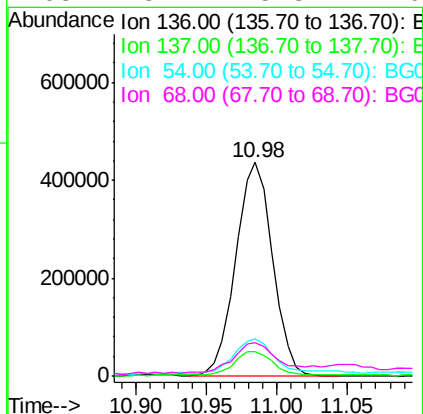
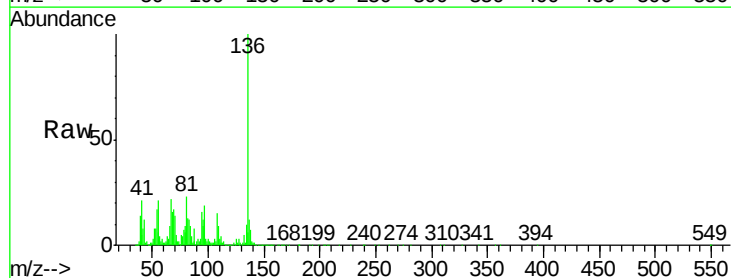
Instrument :
BNA_G
ClientSampleId :
S8-0577

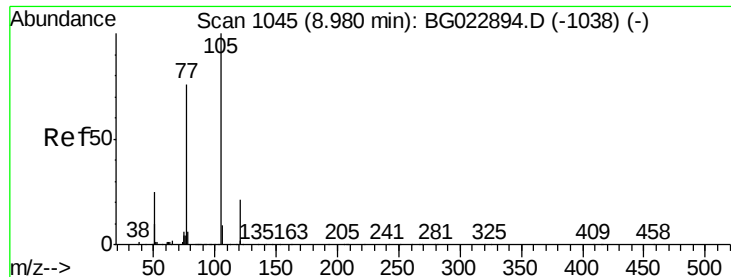
Tgt Ion:	70	Resp:	85306
Ion	Ratio	Lower	Upper
70	100		
42	30.0	42.1	63.1#
101	4.5	7.2	10.8#
130	1.3	14.2	21.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.98 min Scan# 1386
Delta R.T. 0.01 min
Lab File: BG023073.D
Acq: 13 Jul 2016 17:10

Tgt Ion:	136	Resp:	792296
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.6	14.4
54	17.4	7.3	10.9#
68	15.7	5.3	7.9#





#22

Acetophenone

Concen: 4.53 ng

RT: 8.96 min Scan# 1041

Delta R.T. -0.02 min

Lab File: BG023073.D

Acq: 13 Jul 2016 17:10

Instrument :

BNA_G

ClientSampleId :

S8-0577

Tgt Ion: 105 Resp: 107794

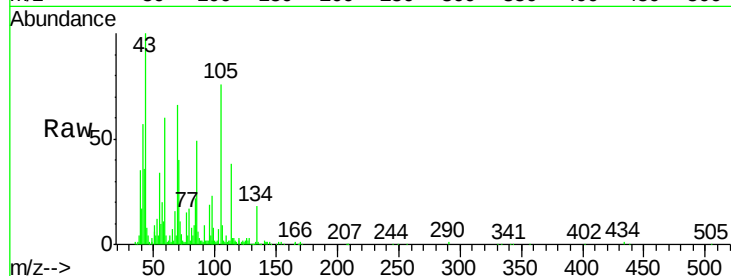
Ion Ratio Lower Upper

105 100

71 14.7 2.6 3.8#

51 11.9 27.1 40.7#

120 2.3 15.1 22.7#



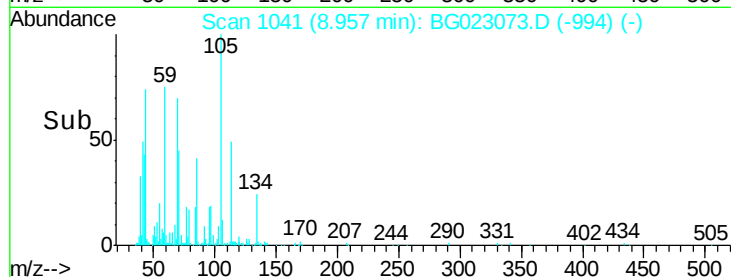
Abundance Ion 105.00 (104.70 to 105.70): E

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

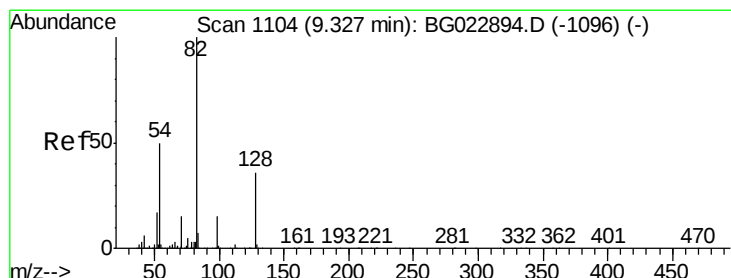
Time-->



Abundance

8.96

Time-->



#23

Nitrobenzene-d5

Concen: 83.67 ng

RT: 9.33 min Scan# 1105

Delta R.T. 0.01 min

Lab File: BG023073.D

Acq: 13 Jul 2016 17:10

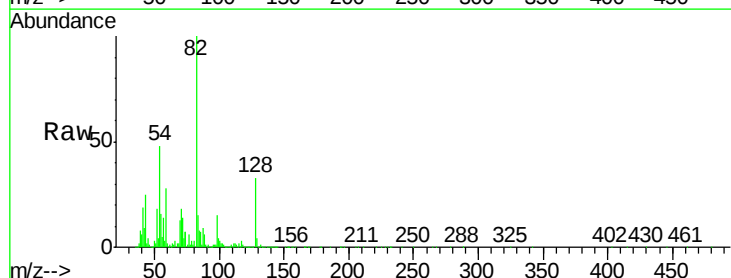
Tgt Ion: 82 Resp: 1548126

Ion Ratio Lower Upper

82 100

128 33.4 24.4 36.6

54 47.8 41.4 62.0

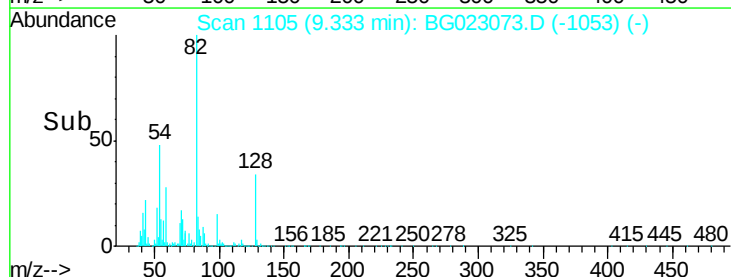


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

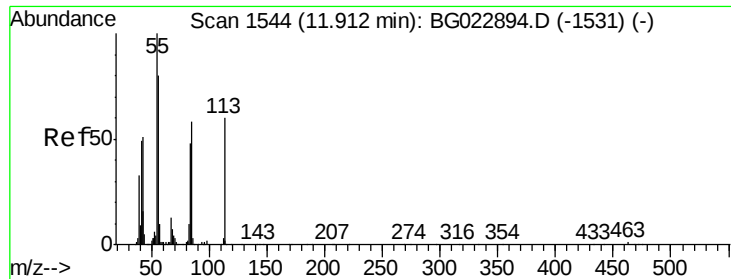
Time-->



Abundance

9.33

Time-->



#35

Caprolactam

Concen: 3.82 ng

RT: 11.96 min Scan# 1552

Delta R.T. 0.05 min

Lab File: BG023073.D

Acq: 13 Jul 2016 17:10

Instrument :

BNA_G

ClientSampleId :

S8-0577

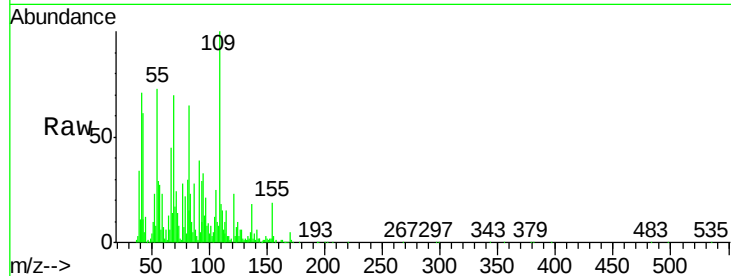
Tgt Ion:113 Resp: 22375

Ion Ratio Lower Upper

113 100

55 707.5 154.5 194.5#

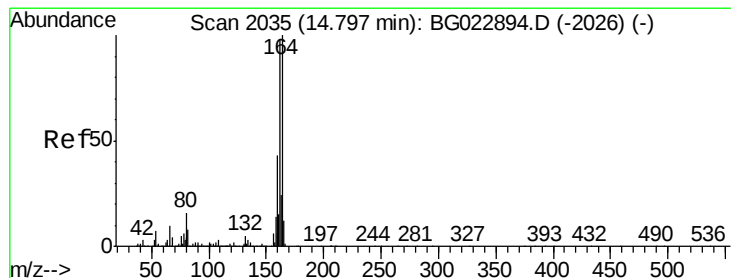
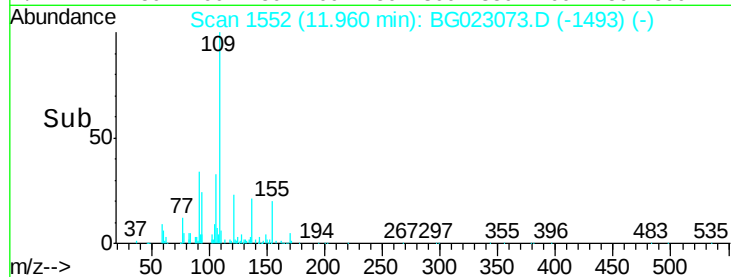
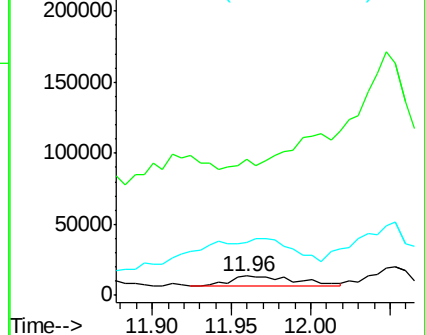
56 277.6 125.1 165.1#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BG023073.D

Acq: 13 Jul 2016 17:10

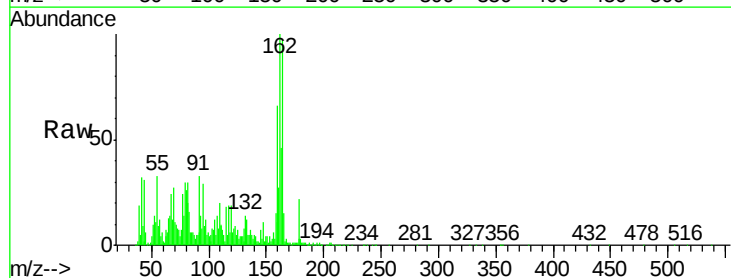
Tgt Ion:164 Resp: 569998

Ion Ratio Lower Upper

164 100

162 102.7 87.7 131.5

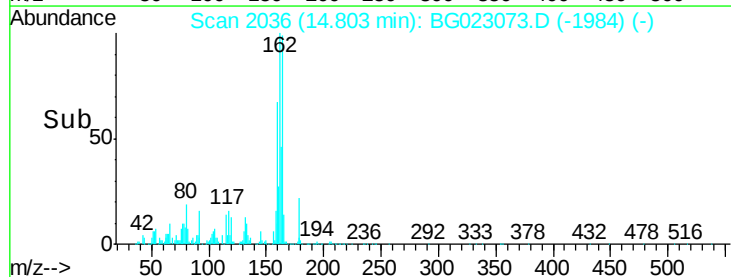
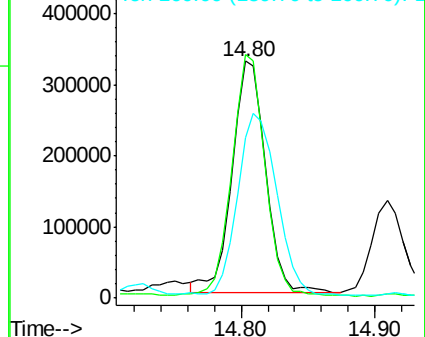
160 67.9 37.2 55.8#

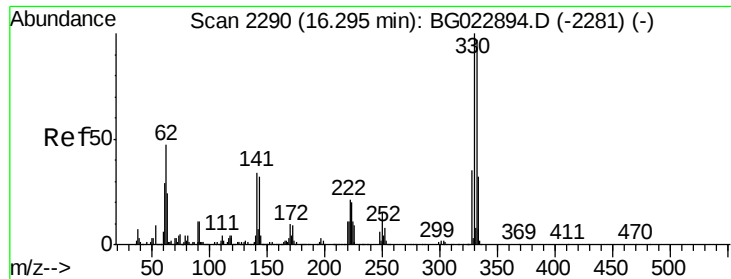


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

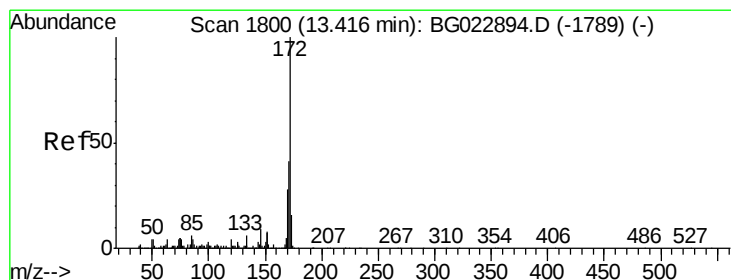
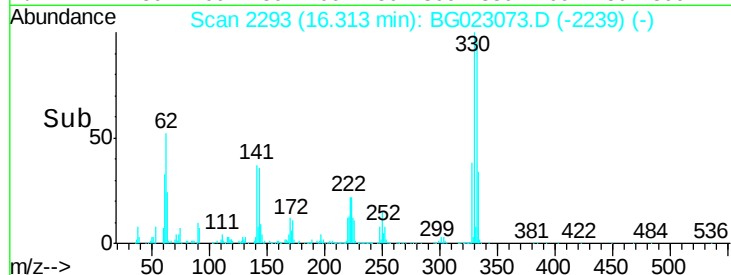
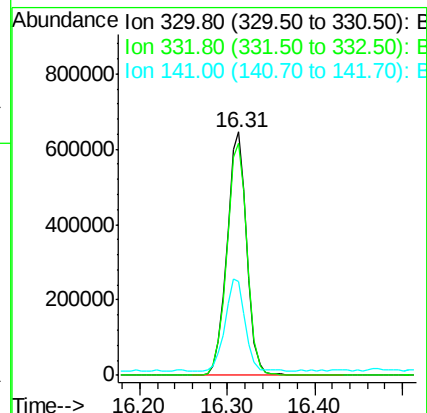
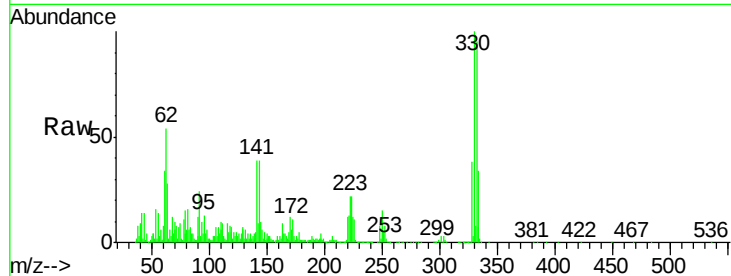




#41
 2,4,6-Tribromophenol
 Concen: 98.23 ng
 RT: 16.31 min Scan# 2293
 Delta R.T. 0.02 min
 Lab File: BG023073.D
 Acq: 13 Jul 2016 17:10

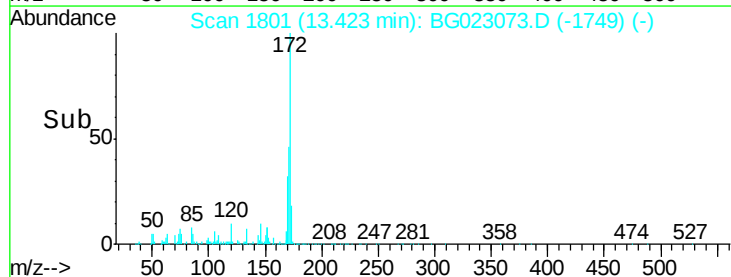
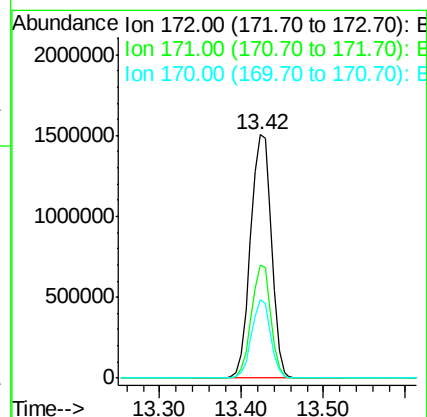
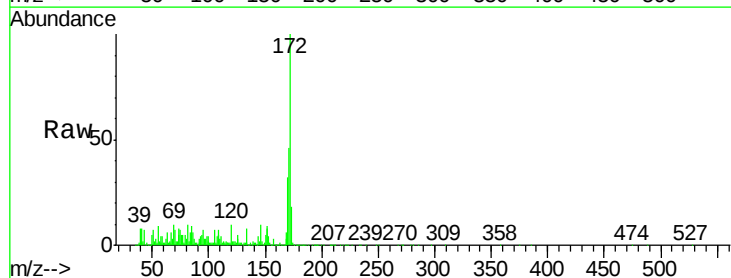
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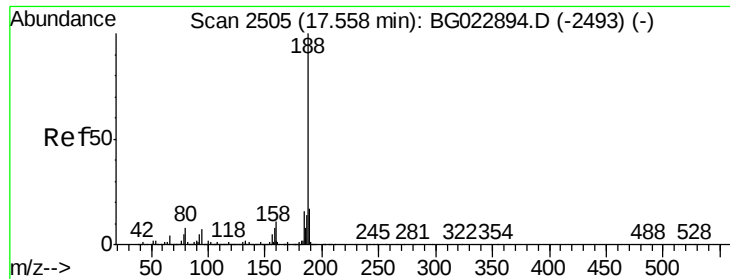
Tgt Ion:330 Resp: 1006267
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.4 116.2
 141 38.7 31.7 47.5



#44
 2-Fluorobiphenyl
 Concen: 73.90 ng
 RT: 13.42 min Scan# 1801
 Delta R.T. 0.01 min
 Lab File: BG023073.D
 Acq: 13 Jul 2016 17:10

Tgt Ion:172 Resp: 2674335
 Ion Ratio Lower Upper
 172 100
 171 46.3 31.6 47.4
 170 32.2 21.3 31.9#

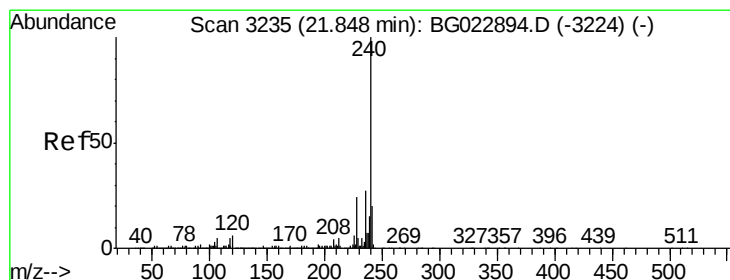
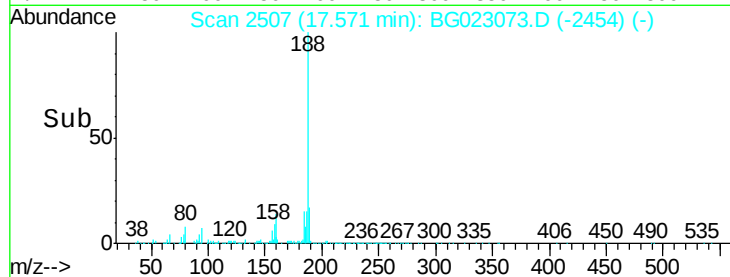
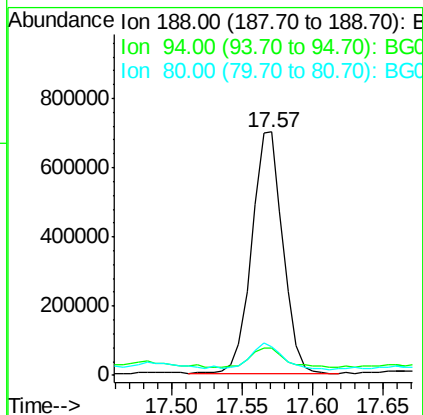
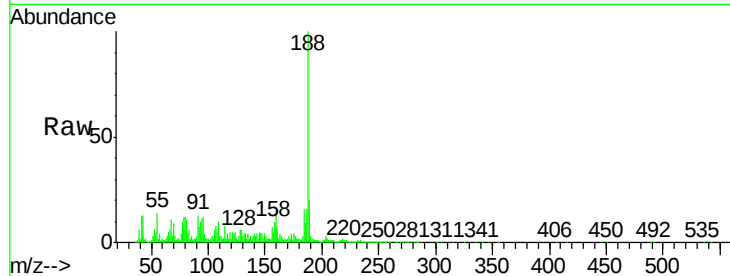




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.57 min Scan# 2507
Delta R.T. 0.01 min
Lab File: BG023073.D
Acq: 13 Jul 2016 17:10

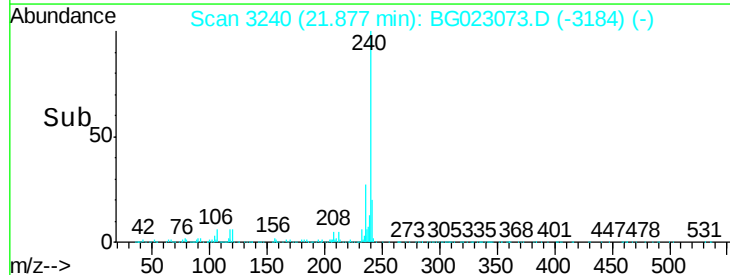
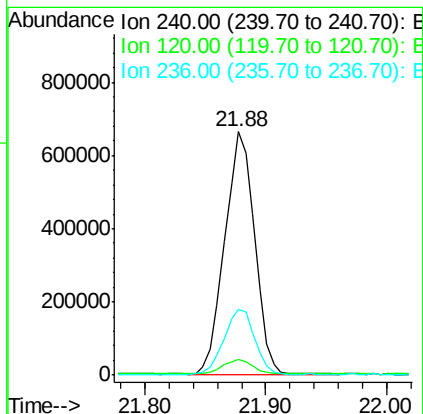
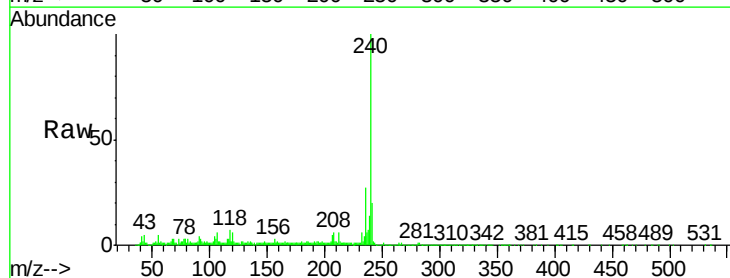
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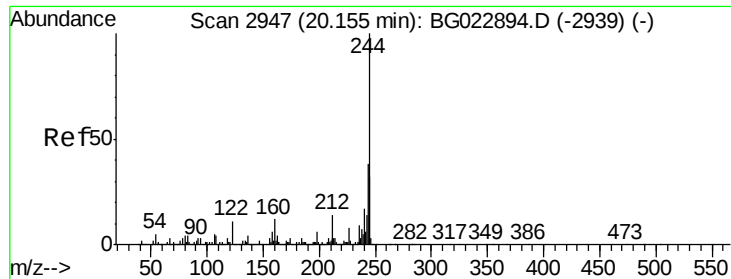
Tgt Ion:188 Resp: 1076100
Ion Ratio Lower Upper
188 100
94 11.1 5.2 7.8#
80 11.6 7.2 10.8#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.88 min Scan# 3240
Delta R.T. 0.03 min
Lab File: BG023073.D
Acq: 13 Jul 2016 17:10

Tgt Ion:240 Resp: 1144773
Ion Ratio Lower Upper
240 100
120 6.4 4.1 6.1#
236 27.1 21.1 31.7





#78

Terphenyl-d14

Concen: 85.24 ng

RT: 20.17 min Scan# 2950

Delta R.T. 0.02 min

Lab File: BG023073.D

Acq: 13 Jul 2016 17:10

Instrument :

BNA_G

ClientSampleId :

S8-0577

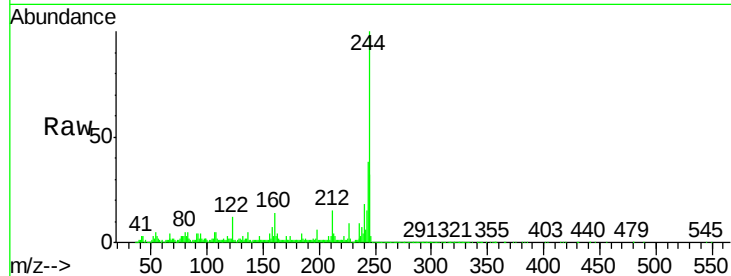
Tgt Ion:244 Resp: 3073254

Ion Ratio Lower Upper

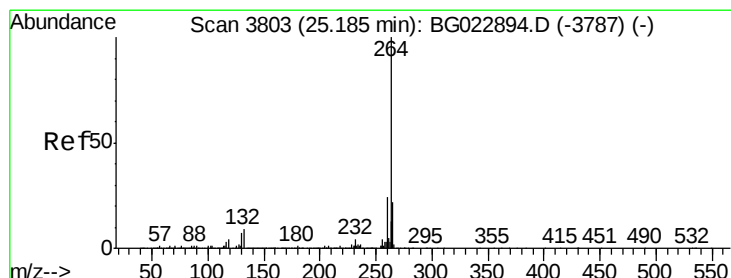
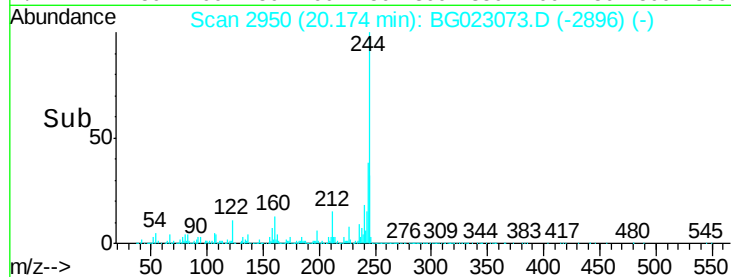
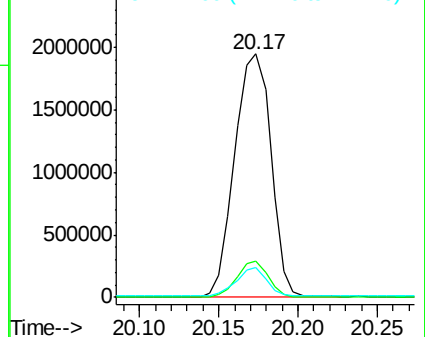
244 100

212 15.1 10.8 16.2

122 12.0 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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.27 min Scan# 3818

Delta R.T. 0.09 min

Lab File: BG023073.D

Acq: 13 Jul 2016 17:10

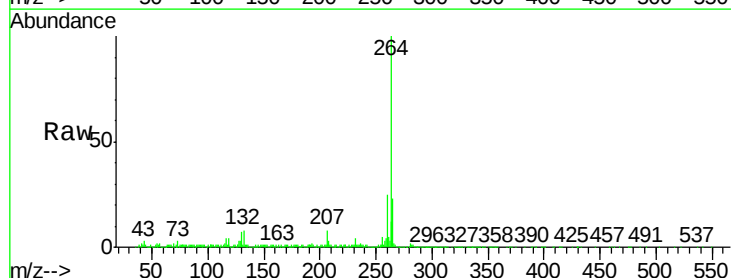
Tgt Ion:264 Resp: 1152796

Ion Ratio Lower Upper

264 100

260 24.9 18.4 27.6

265 22.8 18.9 28.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

