

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070916\
 Data File : BG022936.D
 Acq On : 8 Jul 2016 18:45
 Operator : UM/SJ
 Sample : H3853-01
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 09 00:24:44 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

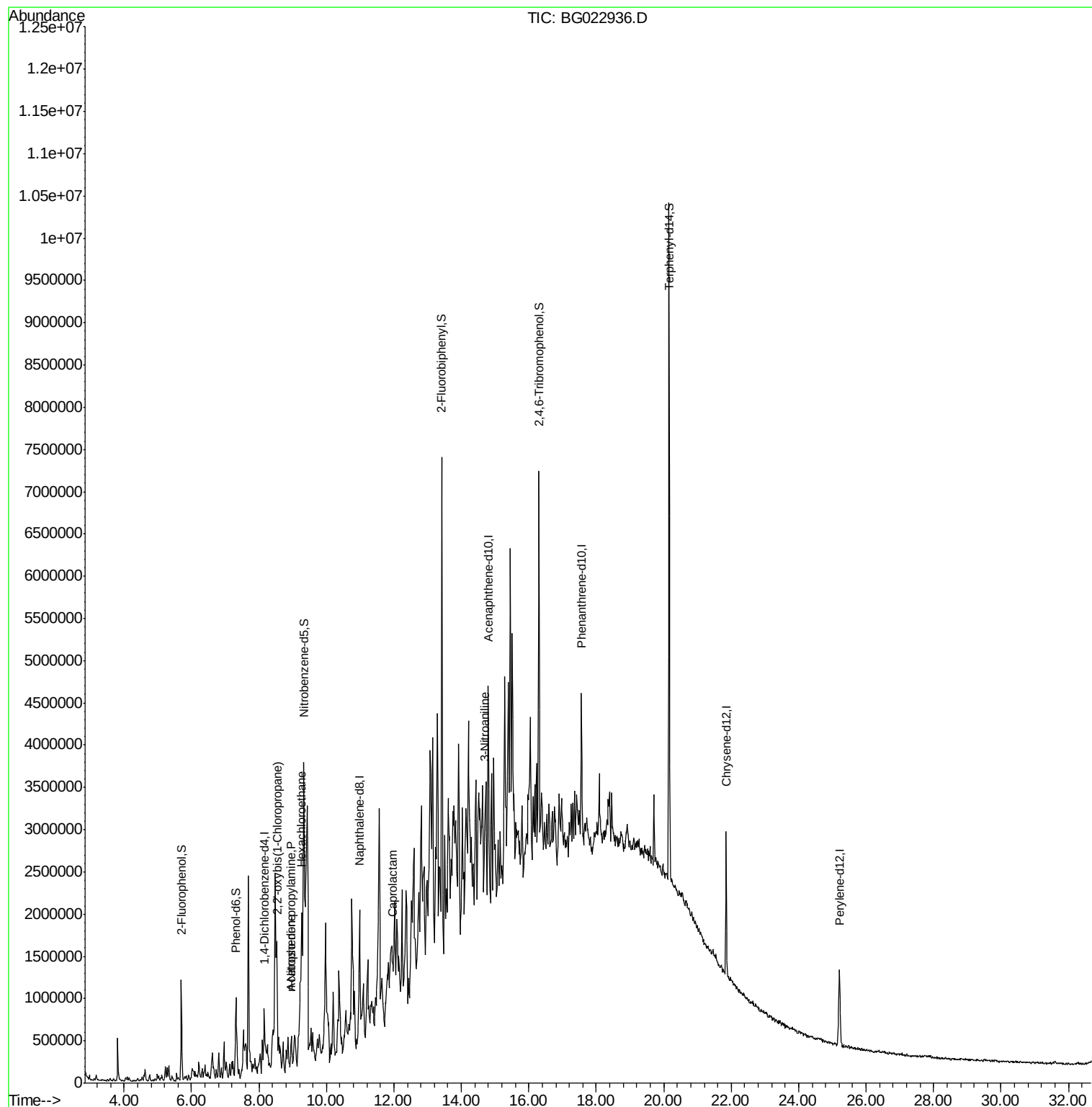
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	141588	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	640122	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	443594	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	940286	20.00	ng	0.00
75) Chrysene-d12	21.85	240	1042745	20.00	ng	0.00
86) Perylene-d12	25.21	264	1085932	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	514881	59.47	ng	0.00
7) Phenol-d6	7.32	99	532250	39.25	ng	0.00
23) Nitrobenzene-d5	9.33	82	1223056	81.81	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	902604	113.22	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	2278106	80.89	ng	0.00
78) Terphenyl-d14	20.16	244	2876726	89.13	ng	0.00
Target Compounds						
16) 2,2'-oxybis(1-Chloropropan	8.54	45	101583	7.52	ng	Qvalue 88
18) Hexachloroethane	9.27	117	25069	5.26	ng	# 14
19) n-Nitroso-di-n-propylamine	8.97	70	65218	5.34	ng	# 69
22) Acetophenone	8.96	105	87321	4.55	ng	# 61
35) Caprolactam	11.96	113	10365	2.19	ng	# 1
52) 3-Nitroaniline	14.70	138	21539	2.65	ng	# 10

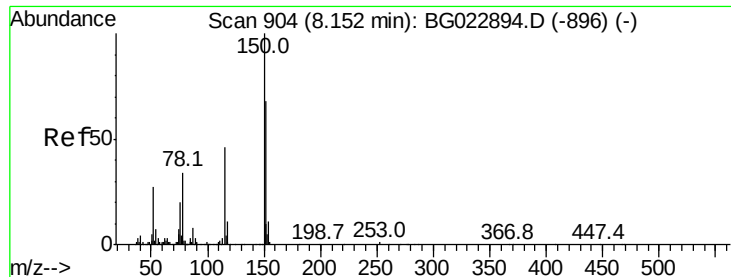
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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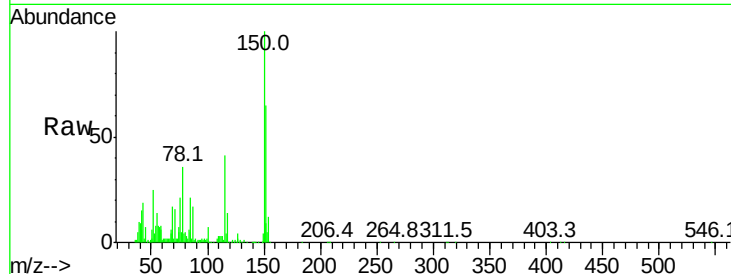


#1

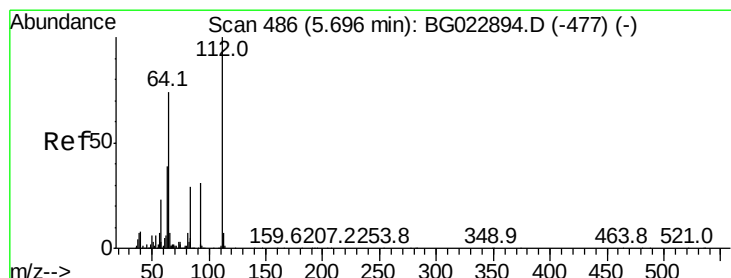
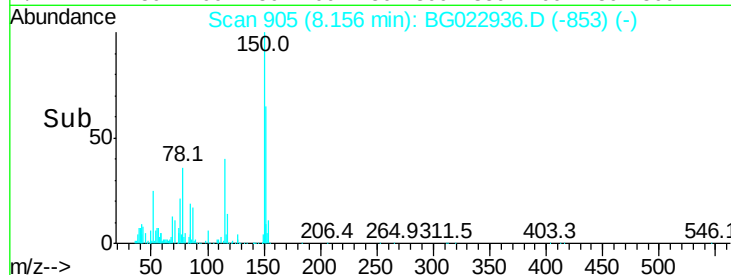
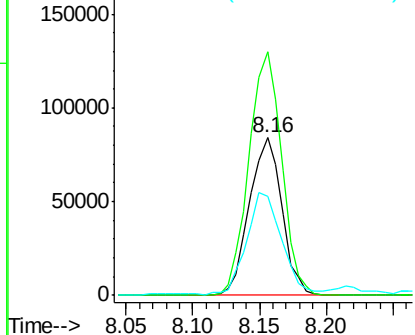
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.16 min Scan# 905
Delta R.T. 0.00 min
Lab File: BG022936.D
Acq: 8 Jul 2016 18:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	144.7	217.1
115	63.2	64.0	96.0



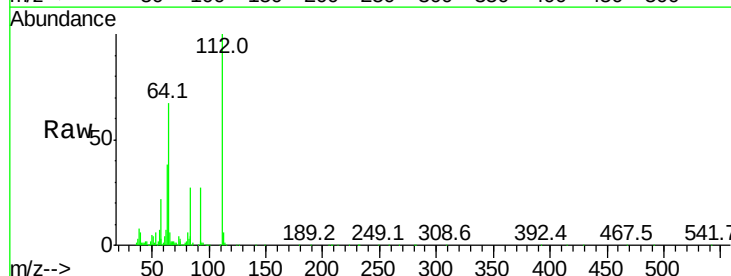
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



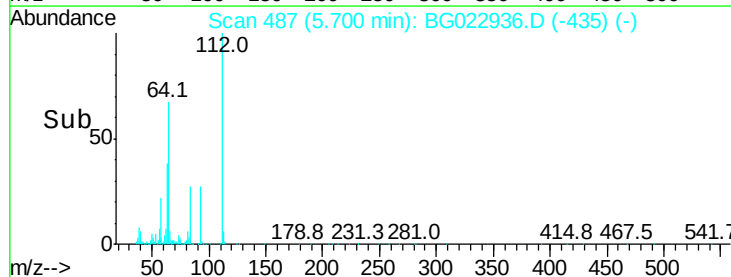
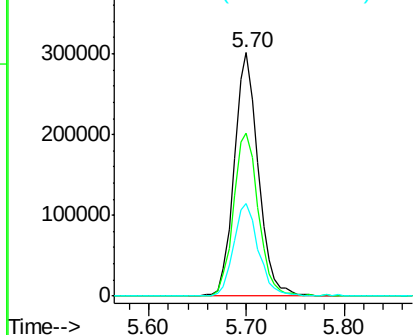
#5

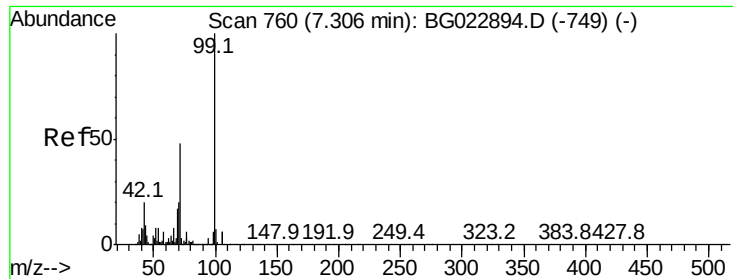
2-Fluorophenol
Concen: 59.47 ng
RT: 5.70 min Scan# 487
Delta R.T. 0.00 min
Lab File: BG022936.D
Acq: 8 Jul 2016 18:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	59.0	88.4
63	38.1	37.8	56.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 39.25 ng

RT: 7.32 min Scan# 762

Delta R.T. 0.01 min

Lab File: BG022936.D

Acq: 8 Jul 2016 18:45

Instrument :

BNA_G

ClientSampleId :

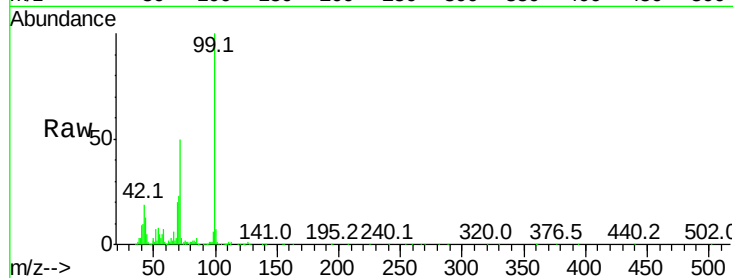
Tot Ion: 99 Resp: 532250

Ion Ratio Lower Upper

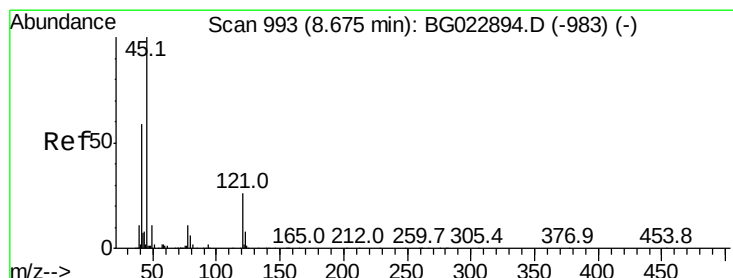
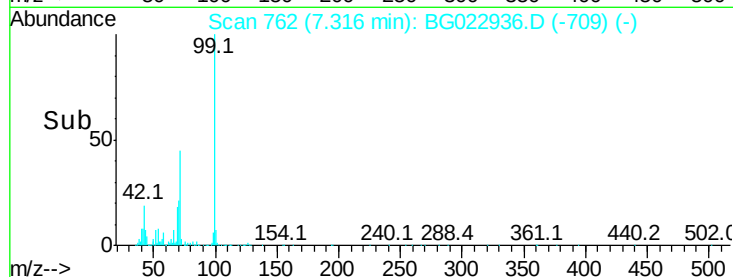
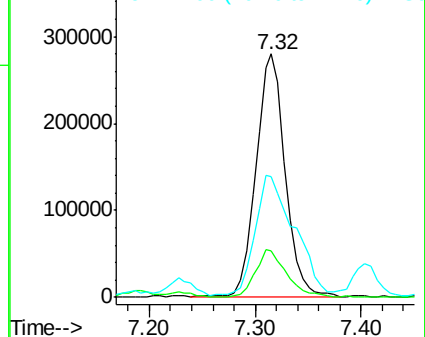
99 100

42 19.1 17.8 26.6

71 49.8 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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.52 ng

RT: 8.54 min Scan# 971

Delta R.T. -0.13 min

Lab File: BG022936.D

Acq: 8 Jul 2016 18:45

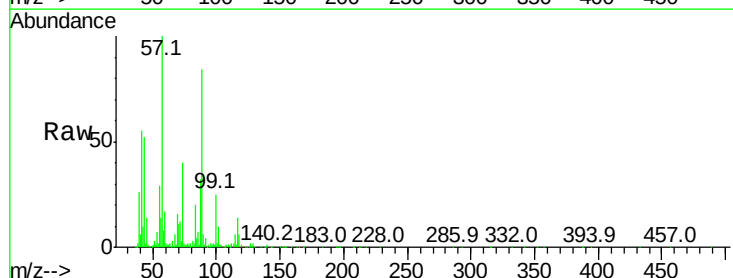
Tgt Ion: 45 Resp: 101583

Ion Ratio Lower Upper

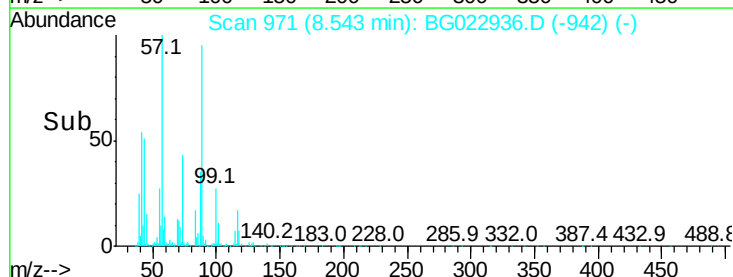
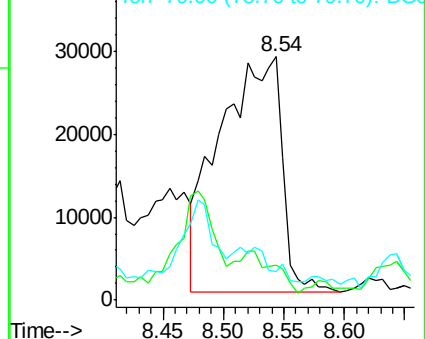
45 100

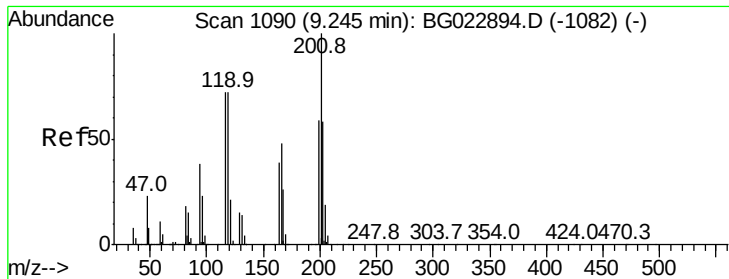
77 14.2 0.6 40.6

79 11.5 0.0 36.2



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC





#18

Hexachloroethane

Concen: 5.26 ng

RT: 9.27 min Scan# 1094

Delta R.T. 0.02 min

Lab File: BG022936.D

Acq: 8 Jul 2016 18:45

Instrument :

BNA_G

ClientSampleId :

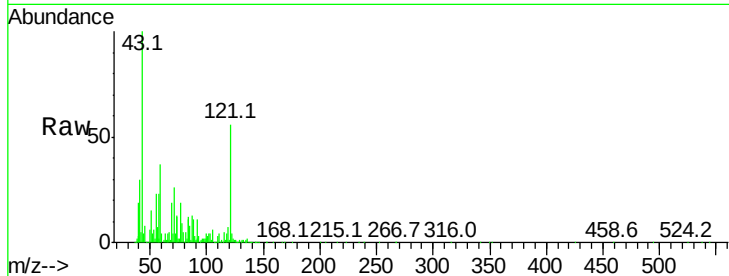
Tot Ion:117 Resp: 25069

Ion Ratio Lower Upper

117 100

119 152.2 73.7 110.5#

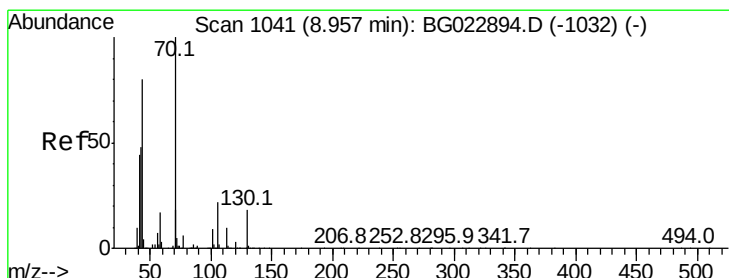
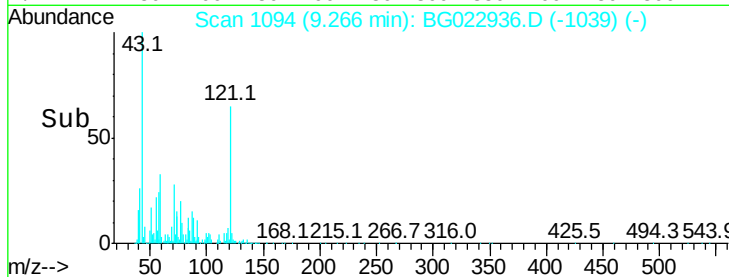
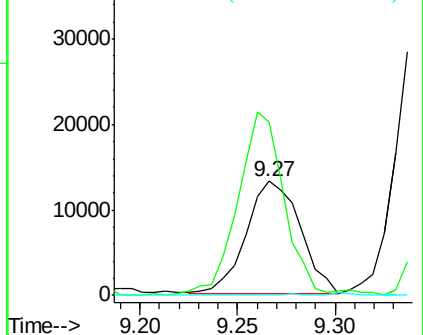
201 0.0 88.7 133.1#



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: 5.34 ng

RT: 8.97 min Scan# 1043

Delta R.T. 0.01 min

Lab File: BG022936.D

Acq: 8 Jul 2016 18:45

Tgt Ion: 70 Resp: 65218

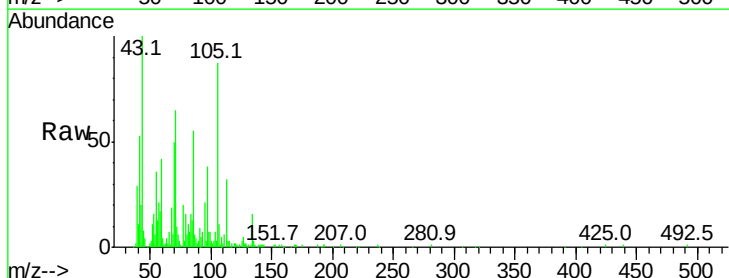
Ion Ratio Lower Upper

70 100

42 30.6 42.1 63.1#

101 2.6 7.2 10.8#

130 0.7 14.2 21.2#

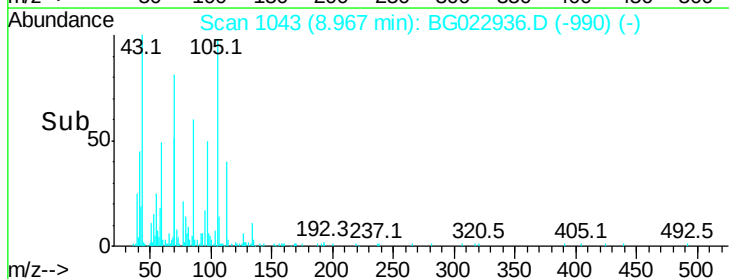
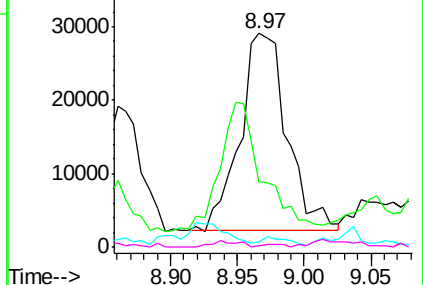


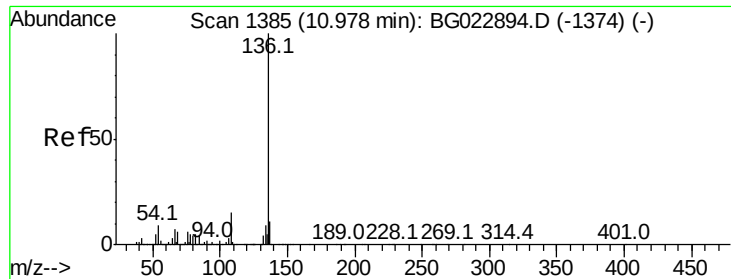
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

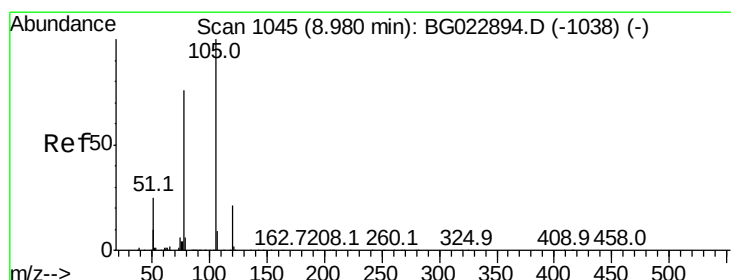
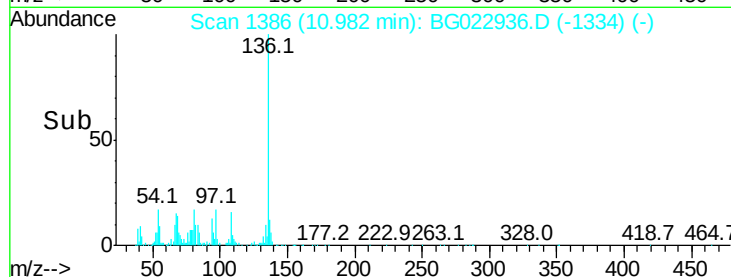
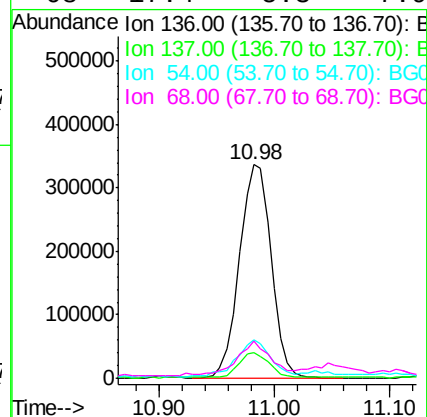
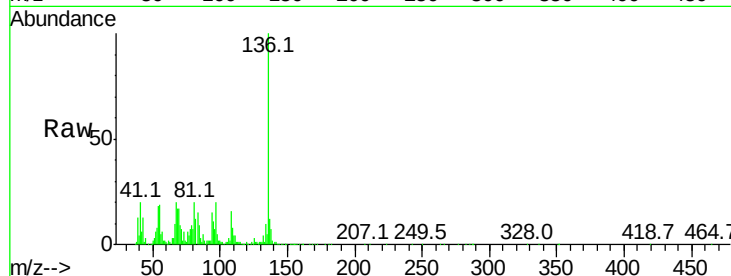




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.98 min Scan# 1386
Delta R.T. 0.00 min
Lab File: BG022936.D
Acq: 8 Jul 2016 18:45

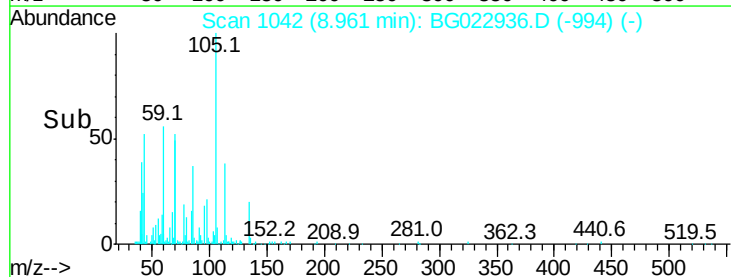
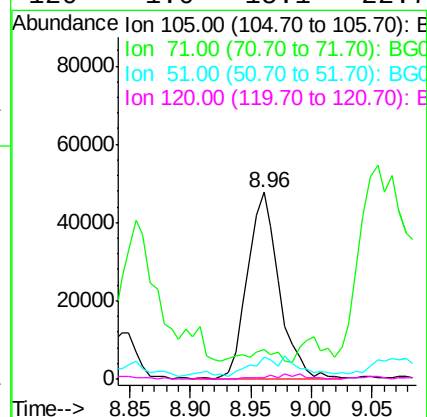
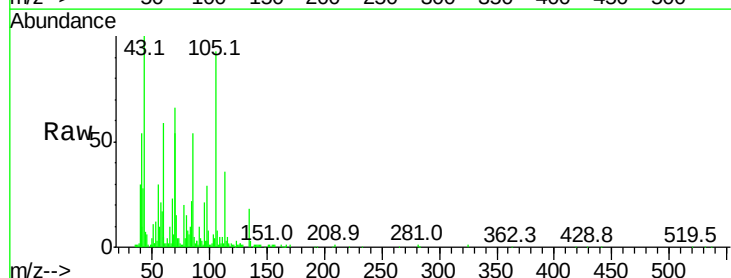
Instrument :
BNA_G
ClientSampleId :

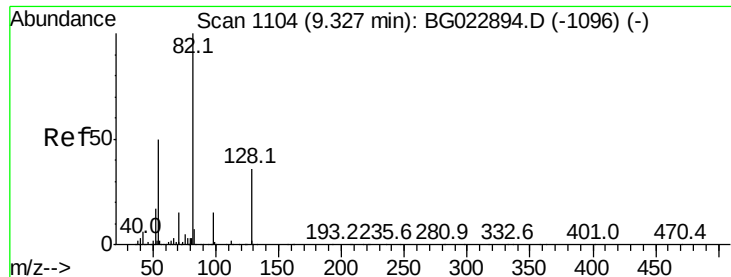
Tot Ion:136	Resp:	640122
Ion Ratio	Lower	Upper
136	100	
137	12.1	9.6 14.4
54	17.8	7.3 10.9#
68	17.4	5.3 7.9#



#22
Acetophenone
Concen: 4.55 ng
RT: 8.96 min Scan# 1042
Delta R.T. -0.02 min
Lab File: BG022936.D
Acq: 8 Jul 2016 18:45

Tgt Ion:105	Resp:	87321
Ion Ratio	Lower	Upper
105	100	
71	15.8	2.6 3.8#
51	11.8	27.1 40.7#
120	1.0	15.1 22.7#

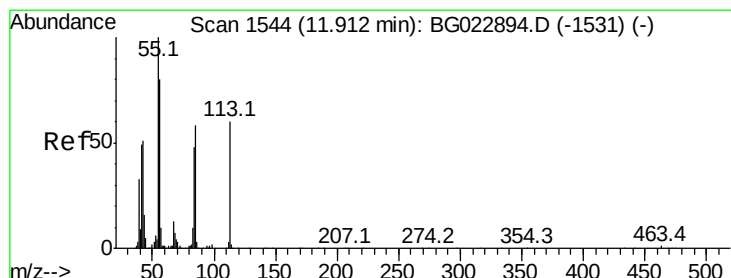
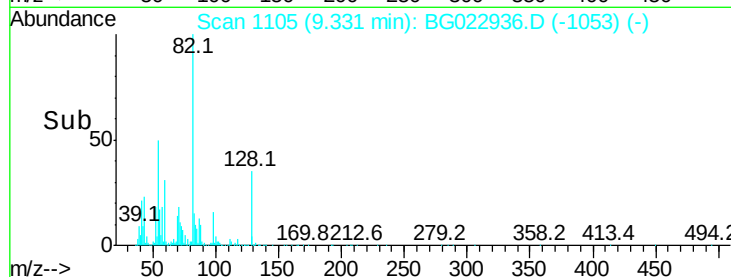
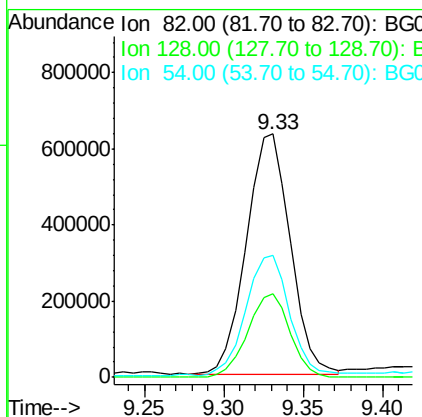
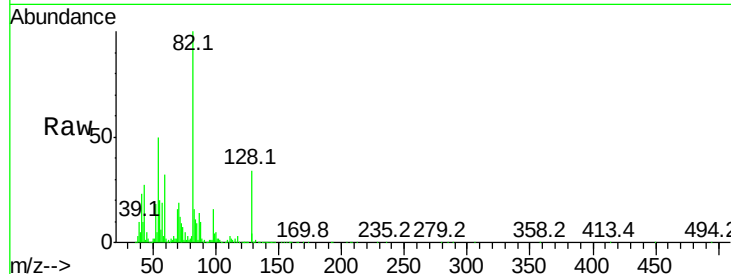




#23
 Nitrobenzene-d5
 Concen: 81.81 ng
 RT: 9.33 min Scan# 1105
 Delta R.T. 0.00 min
 Lab File: BG022936.D
 Acq: 8 Jul 2016 18:45

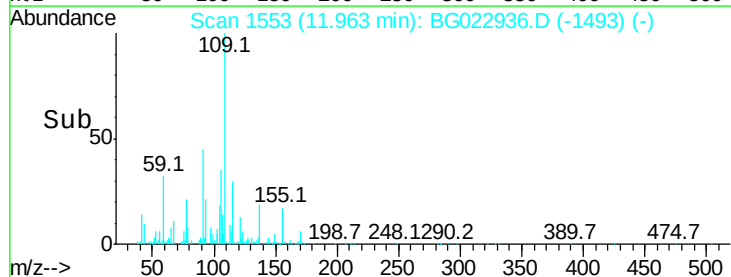
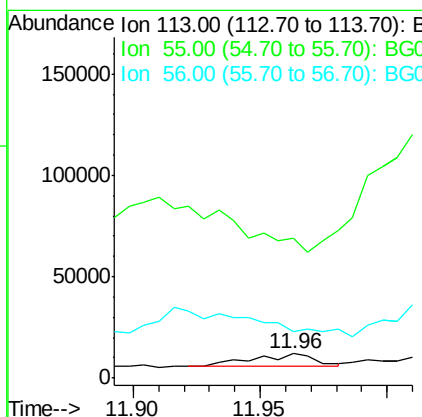
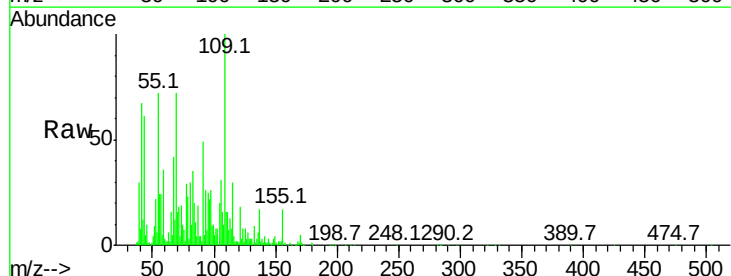
Instrument :
 BNA_G
 ClientSampleId :

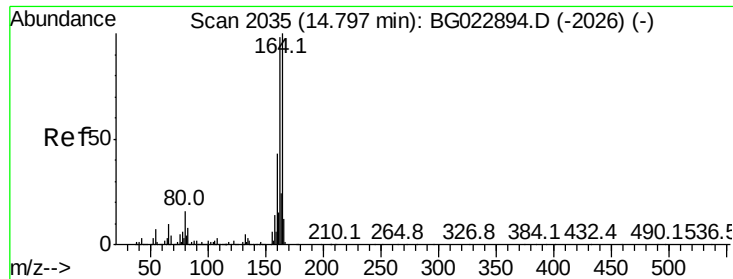
Tot Ion: 82 Resp: 1223056
 Ion Ratio Lower Upper
 82 100
 128 34.3 24.4 36.6
 54 50.3 41.4 62.0



#35
 Caprolactam
 Concen: 2.19 ng
 RT: 11.96 min Scan# 1553
 Delta R.T. 0.05 min
 Lab File: BG022936.D
 Acq: 8 Jul 2016 18:45

Tgt Ion: 113 Resp: 10365
 Ion Ratio Lower Upper
 113 100
 55 566.7 154.5 194.5#
 56 188.2 125.1 165.1#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 2036

Delta R.T. 0.00 min

Lab File: BG022936.D

Acq: 8 Jul 2016 18:45

Instrument :

BNA_G

ClientSampleId :

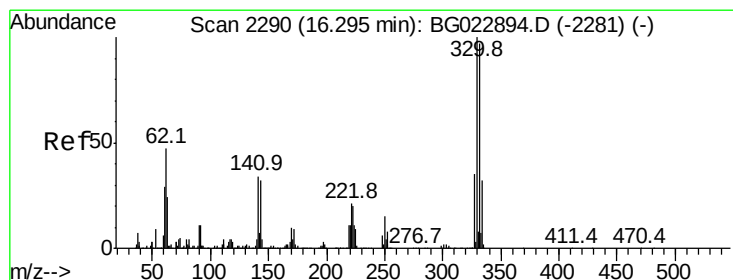
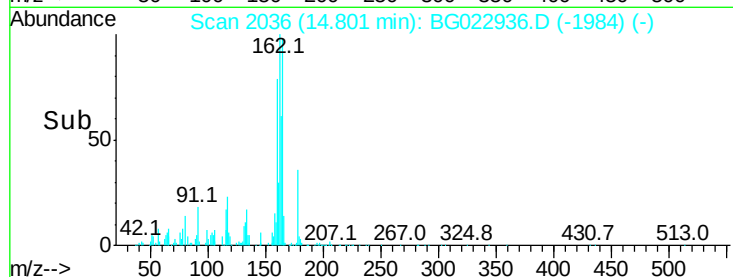
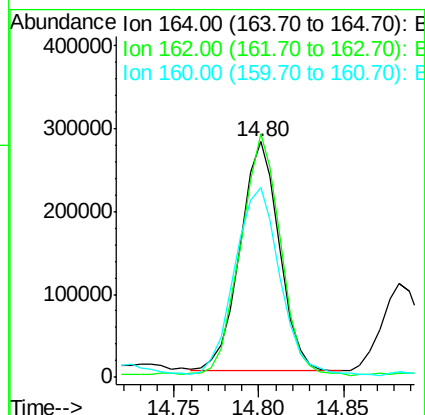
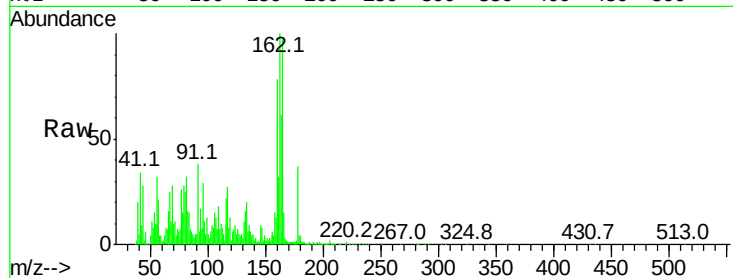
Tot Ion:164 Resp: 443594

Ion Ratio Lower Upper

164 100

162 103.2 87.7 131.5

160 80.3 37.2 55.8#



#41

2,4,6-Tribromophenol

Concen: 113.22 ng

RT: 16.30 min Scan# 2292

Delta R.T. 0.01 min

Lab File: BG022936.D

Acq: 8 Jul 2016 18:45

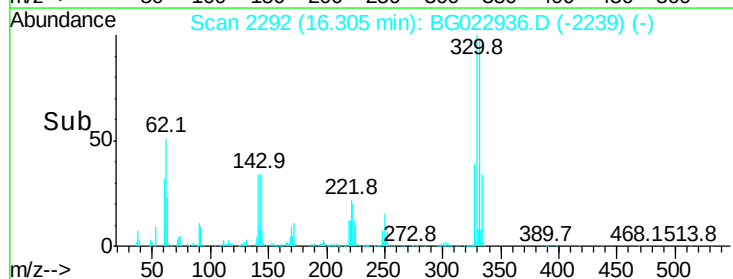
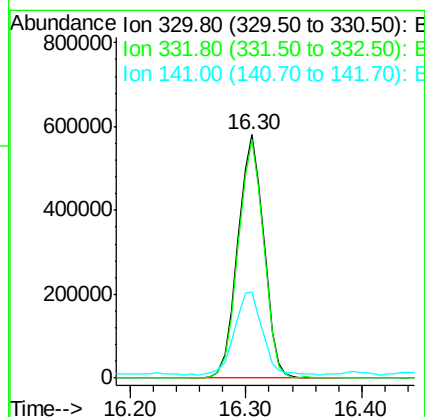
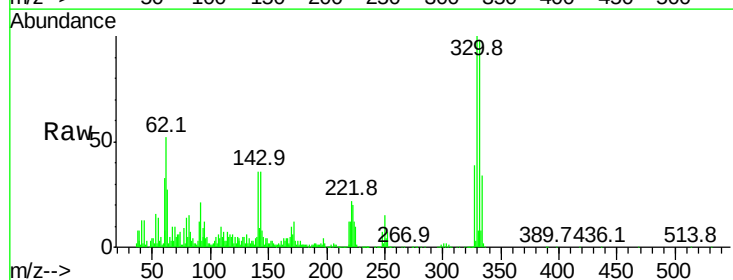
Tgt Ion:330 Resp: 902604

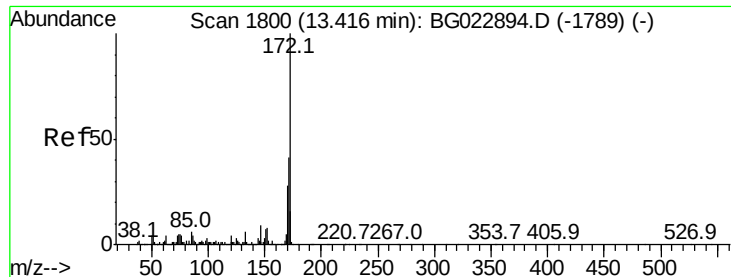
Ion Ratio Lower Upper

330 100

332 96.1 77.4 116.2

141 36.7 31.7 47.5

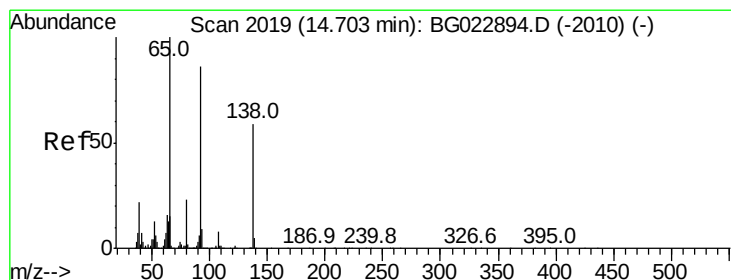
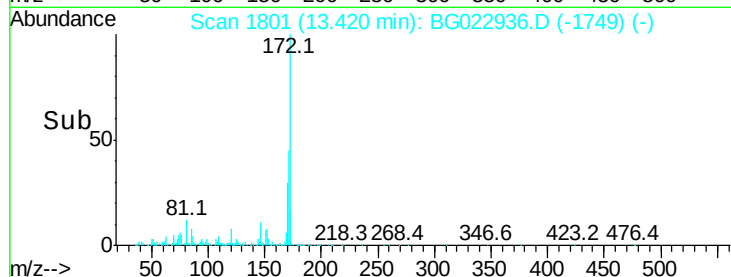
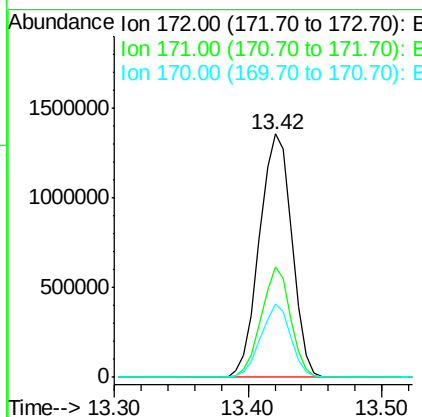
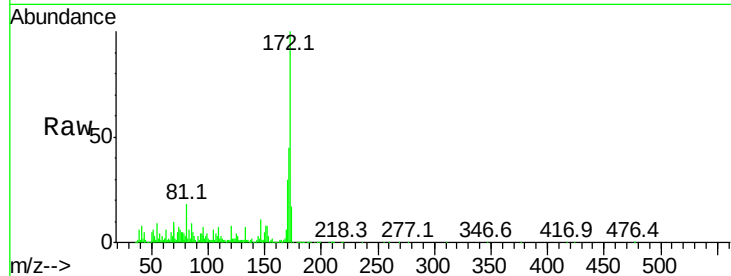




#44
2-Fluorobiphenyl
Concen: 80.89 ng
RT: 13.42 min Scan# 1801
Delta R.T. 0.00 min
Lab File: BG022936.D
Acq: 8 Jul 2016 18:45

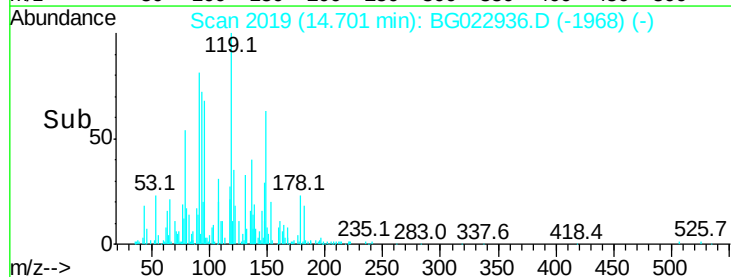
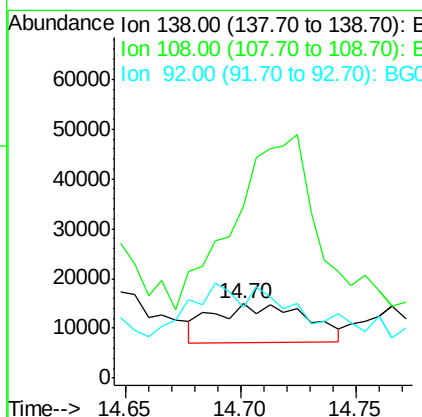
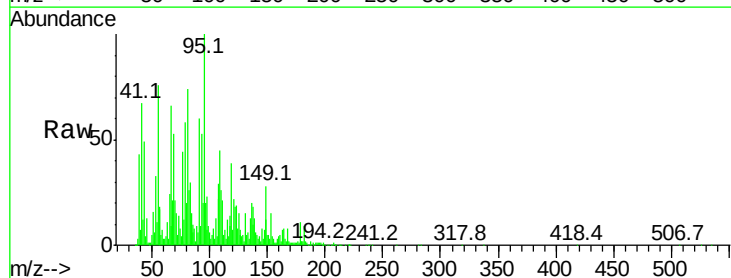
Instrument :
BNA_G
ClientSampleId :

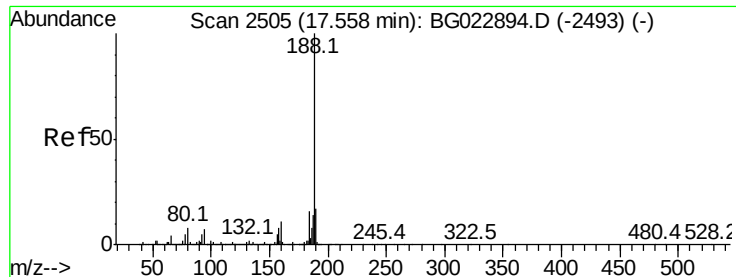
Tot Ion:172 Resp: 2278106
Ion Ratio Lower Upper
172 100
171 45.1 31.6 47.4
170 30.1 21.3 31.9



#52
3-Nitroaniline
Concen: 2.65 ng
RT: 14.70 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BG022936.D
Acq: 8 Jul 2016 18:45

Tgt Ion:138 Resp: 21539
Ion Ratio Lower Upper
138 100
108 231.5 11.7 17.5#
92 94.8 129.7 194.5#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.56 min Scan# 2506

Delta R.T. 0.00 min

Lab File: BG022936.D

Acq: 8 Jul 2016 18:45

Instrument :

BNA_G

ClientSampleId :

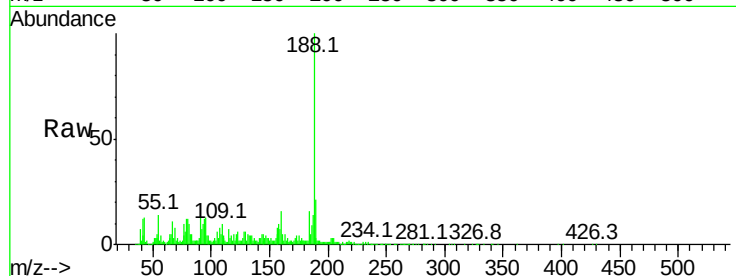
Tot Ion:188 Resp: 940286

Ion Ratio Lower Upper

188 100

94 12.5 5.2 7.8#

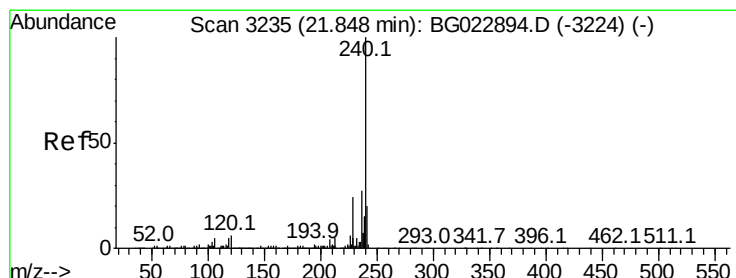
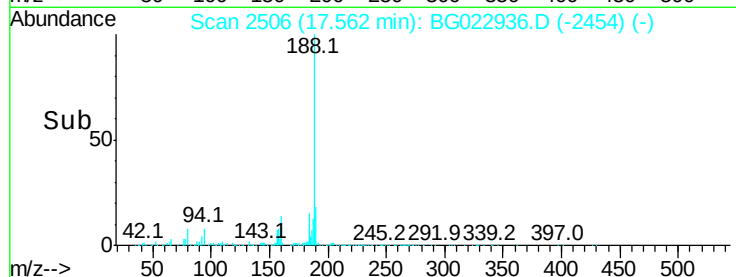
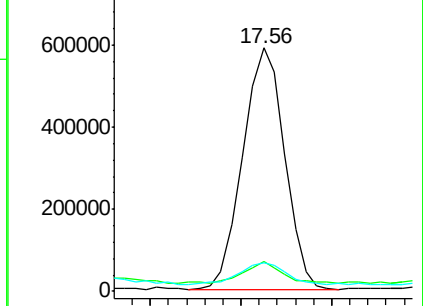
80 11.9 7.2 10.8#



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# 3236

Delta R.T. 0.00 min

Lab File: BG022936.D

Acq: 8 Jul 2016 18:45

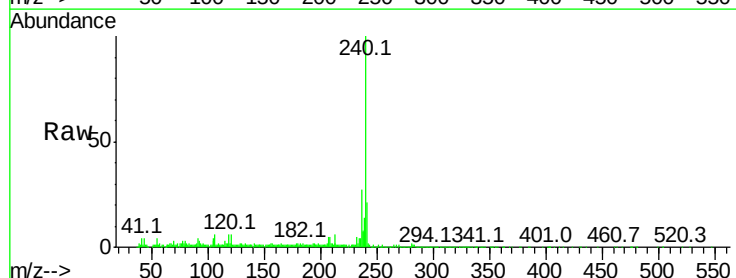
Tgt Ion:240 Resp: 1042745

Ion Ratio Lower Upper

240 100

120 5.6 4.1 6.1

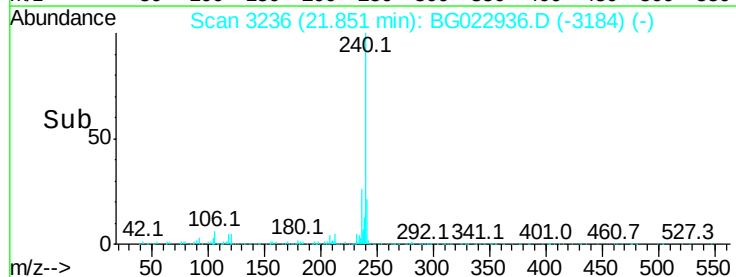
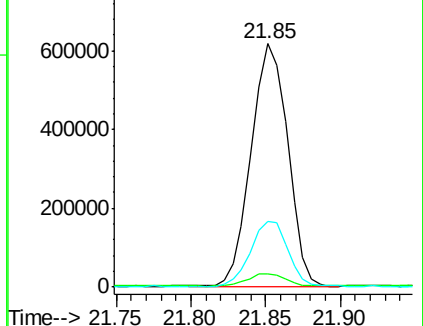
236 26.7 21.1 31.7

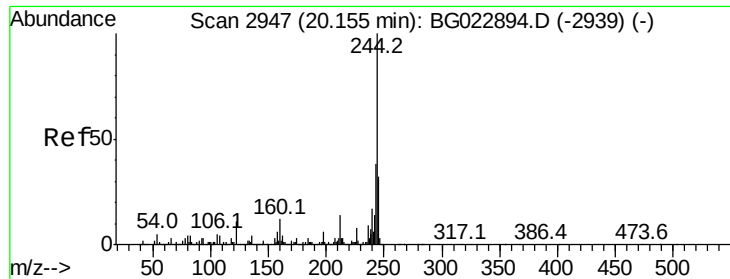


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 89.13 ng

RT: 20.16 min Scan# 2948

Delta R.T. 0.00 min

Lab File: BG022936.D

Acq: 8 Jul 2016 18:45

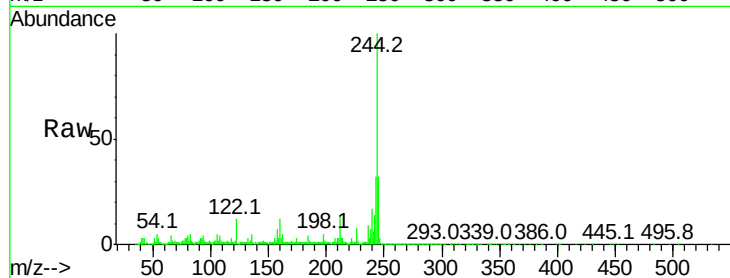
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2876726

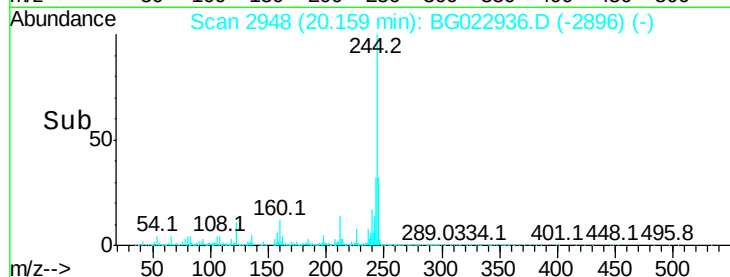
Ion	Ratio	Lower	Upper
244	100		
212	14.5	10.8	16.2
122	11.8	8.0	12.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

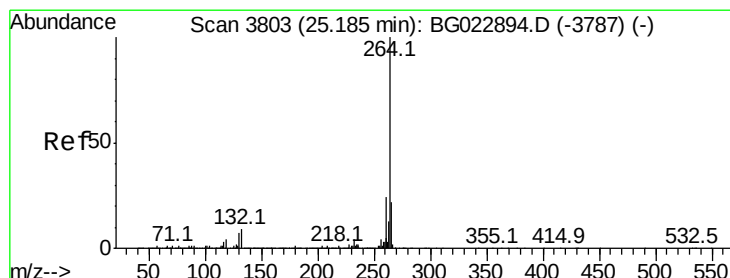
Ion 122.00 (121.70 to 122.70): E



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: 25.21 min Scan# 3807

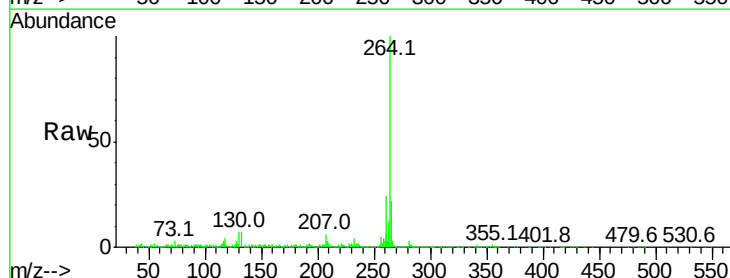
Delta R.T. 0.02 min

Lab File: BG022936.D

Acq: 8 Jul 2016 18:45

Tgt Ion:264 Resp: 1085932

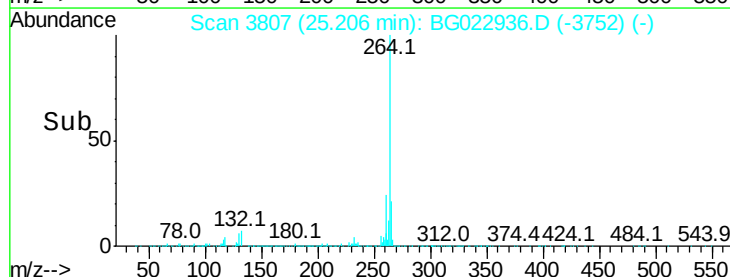
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.4	27.6
265	21.5	18.9	28.3



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



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