

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
 Data File : BG031683.D
 Acq On : 21 Dec 2017 21:14
 Operator : SJ/JU
 Sample : I6961-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 22 03:16:26 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 14:09:19 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.83	152	47533	20.00	ng	-0.01
21) Naphthalene-d8	11.72	136	199879	20.00	ng	0.00
38) Acenaphthene-d10	15.46	164	140152	20.00	ng	0.00
63) Phenanthrene-d10	18.19	188	367928	20.00	ng	-0.01
75) Chrysene-d12	22.56	240	433792	20.00	ng	-0.01
86) Perylene-d12	26.35	264	457947	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.25	112	376267	144.18	ng	0.00
7) Phenol-d6	7.92	99	490656	144.81	ng	0.00
23) Nitrobenzene-d5	10.03	82	240719	90.94	ng	-0.01
41) 2,4,6-Tribromophenol	16.94	330	310471	145.18	ng	0.00
44) 2-Fluorobiphenyl	14.09	172	828403	74.19	ng	0.00
78) Terphenyl-d14	20.73	244	1411462	74.34	ng	0.00

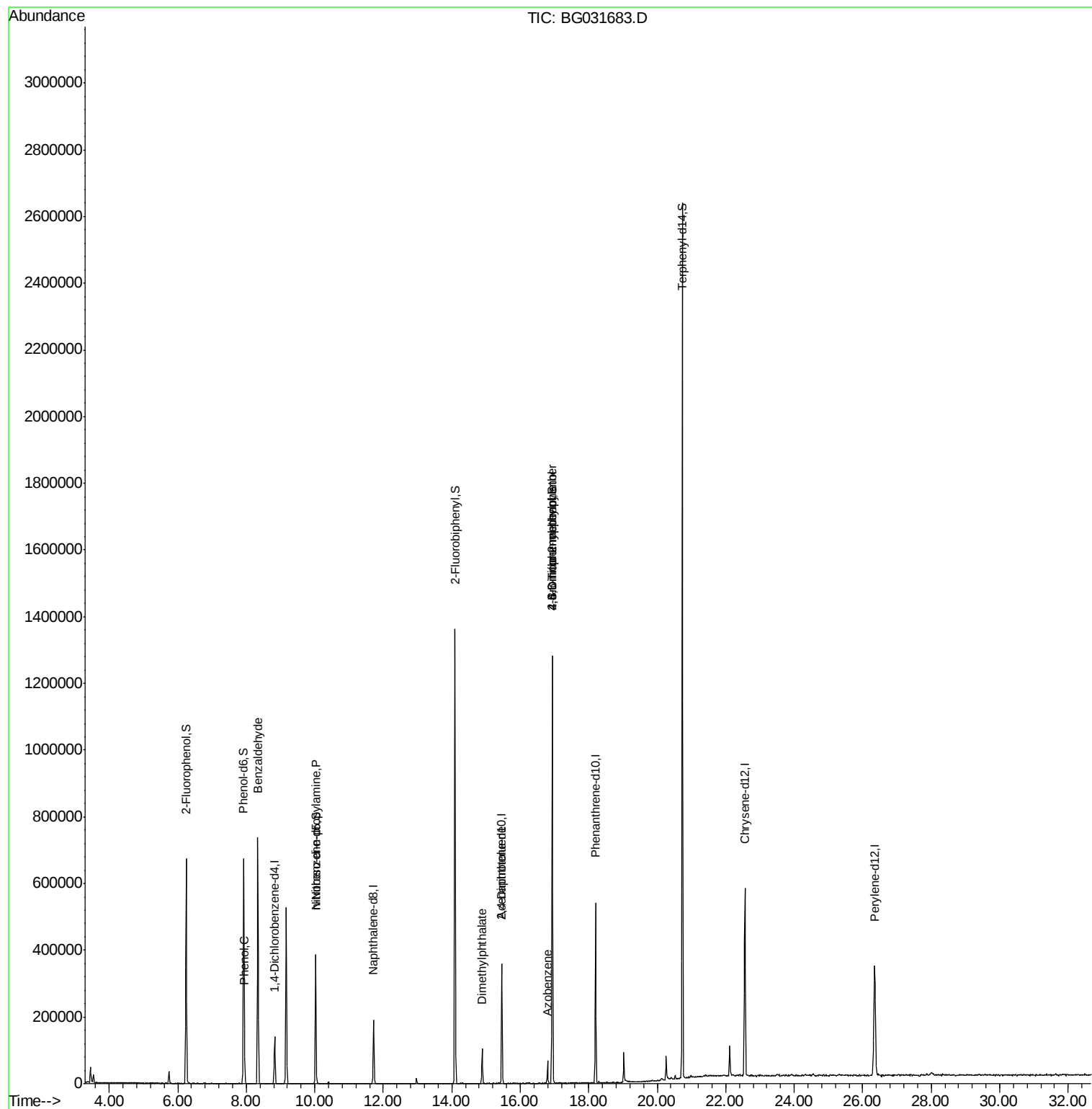
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	8.34	77	9000	4.411	ng	95
10) Phenol	7.95	94	19802	5.789	ng	91
19) n-Nitroso-di-n-propylamine	10.03	70	30896	13.352	ng	# 72
49) Dimethylphthalate	14.89	163	80496	6.520	ng	97
56) 2,4-Dinitrotoluene	15.46	165	18258	6.251	ng	# 16
62) Azobenzene	16.80	77	16945	2.196	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.94	198	817	8.683	ng	# 1
66) 4-Bromophenyl-phenylether	16.94	248	24586	4.621	ng	# 1

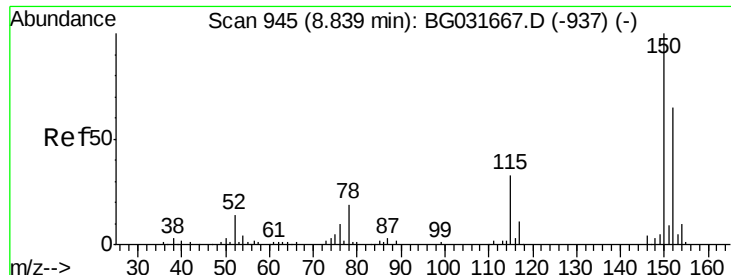
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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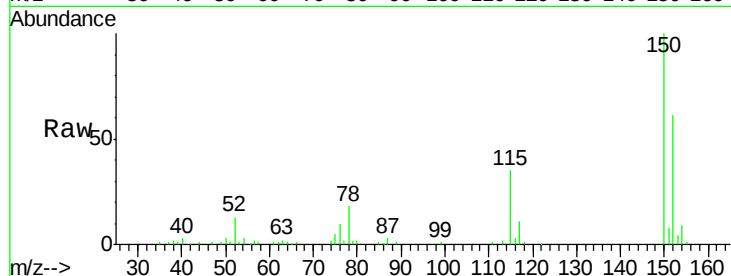


#1

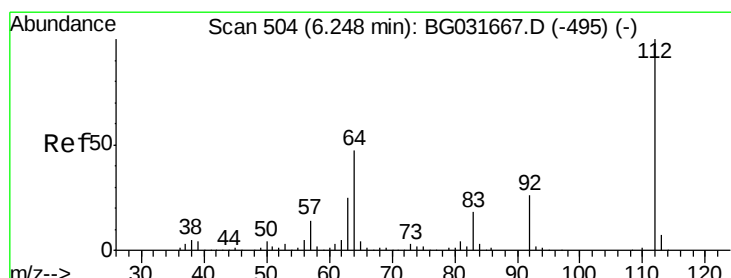
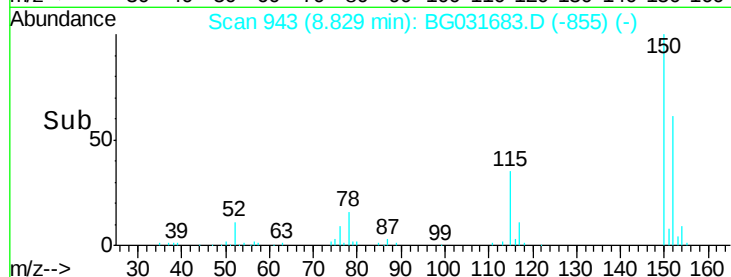
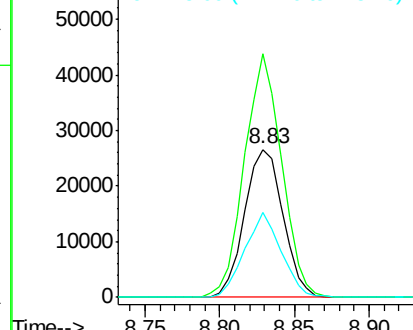
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.83 min Scan# 943
Delta R.T. -0.01 min
Lab File: BG031683.D
Acq: 21 Dec 2017 21:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 47533
Ion Ratio Lower Upper
152 100
150 164.6 126.6 189.8
115 57.4 53.0 79.4



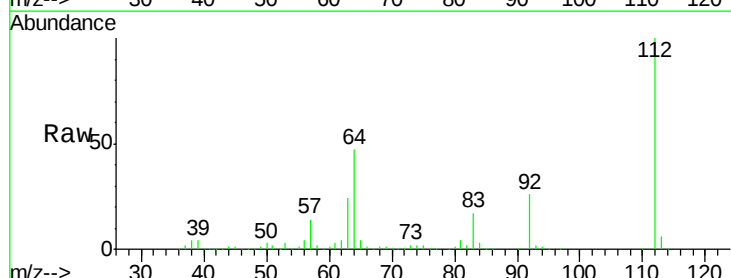
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



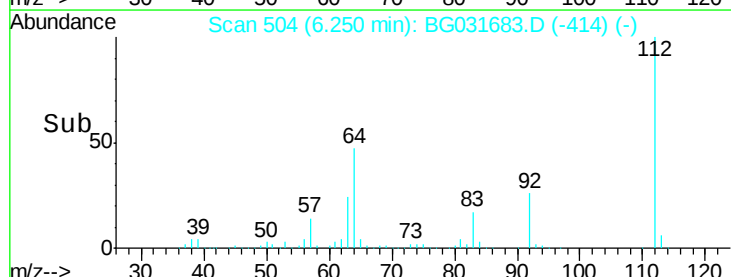
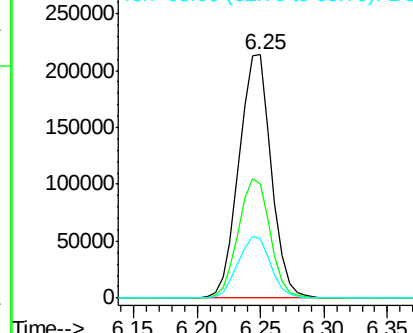
#5

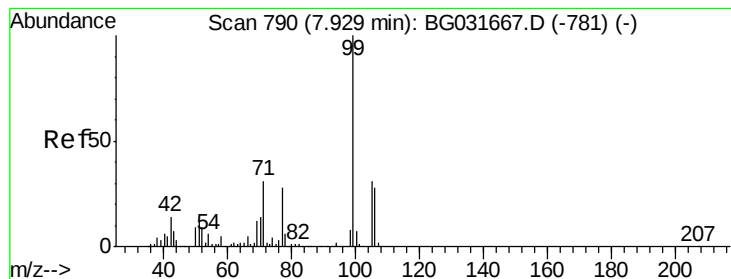
2-Fluorophenol
Concen: 144.179 ng
RT: 6.25 min Scan# 504
Delta R.T. 0.00 min
Lab File: BG031683.D
Acq: 21 Dec 2017 21:14

Tgt Ion:112 Resp: 376267
Ion Ratio Lower Upper
112 100
64 47.2 56.3 84.5#
63 24.4 30.1 45.1#



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: 144.810 ng

RT: 7.92 min Scan# 789

Delta R.T. -0.00 min

Lab File: BG031683.D

Acq: 21 Dec 2017 21:14

Instrument :

BNA_G

ClientSampleId :

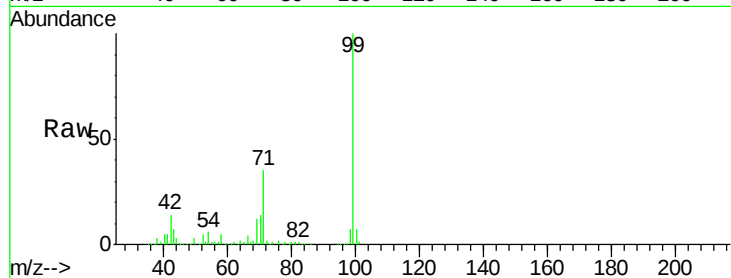
Tot Ion: 99 Resp: 490656

Ion Ratio Lower Upper

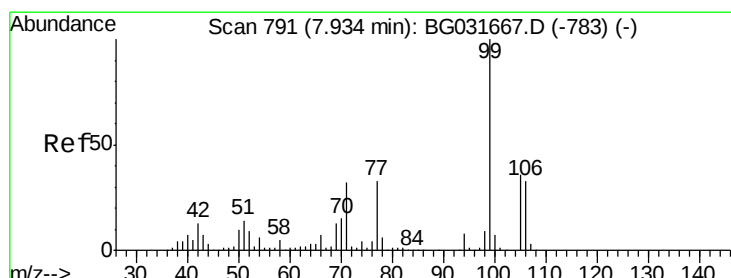
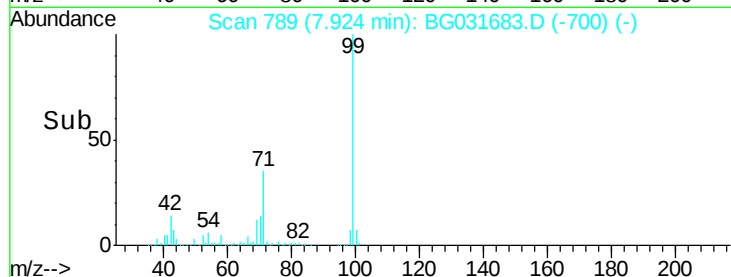
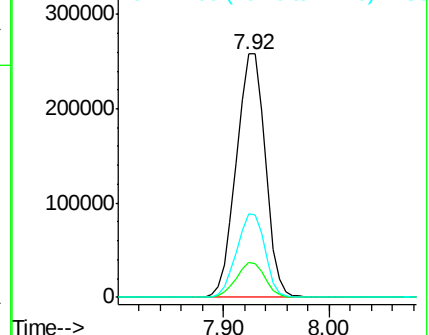
99 100

42 14.2 14.1 21.1

71 34.6 26.1 39.1



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: 4.411 ng

RT: 8.34 min Scan# 860

Delta R.T. 0.41 min

Lab File: BG031683.D

Acq: 21 Dec 2017 21:14

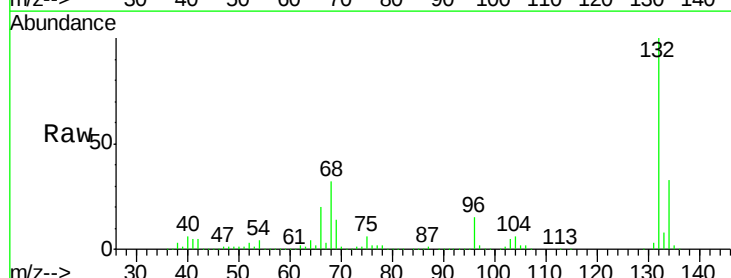
Tgt Ion: 77 Resp: 9000

Ion Ratio Lower Upper

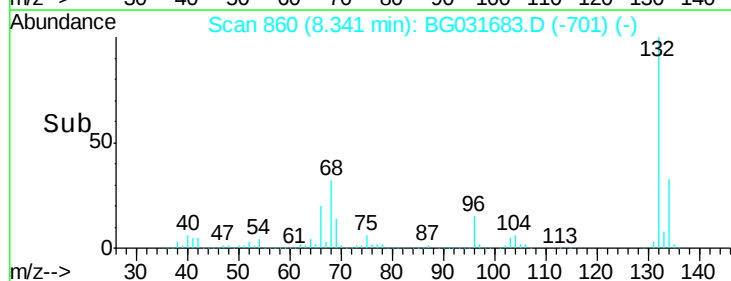
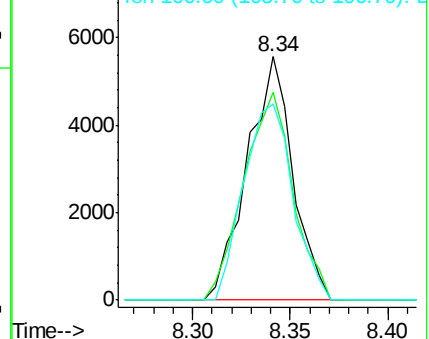
77 100

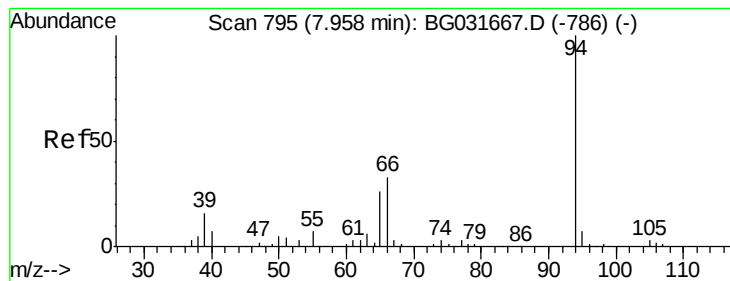
105 85.1 71.3 111.3

106 80.5 64.2 104.2



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





#10

Phenol

Concen: 5.789 ng

RT: 7.95 min Scan# 794

Delta R.T. -0.00 min

Lab File: BG031683.D

Acq: 21 Dec 2017 21:14

Instrument :

BNA_G

ClientSampleId :

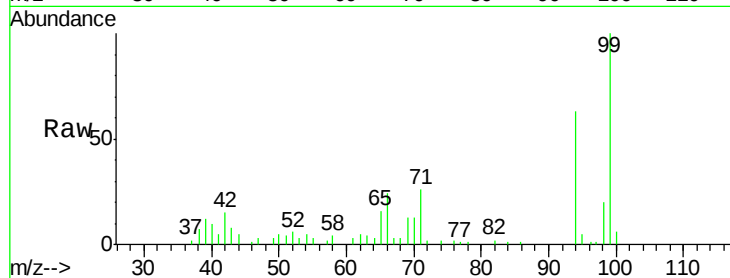
Tot Ion: 94 Resp: 19802

Ion Ratio Lower Upper

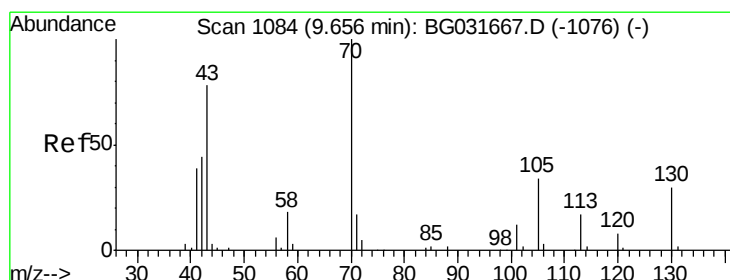
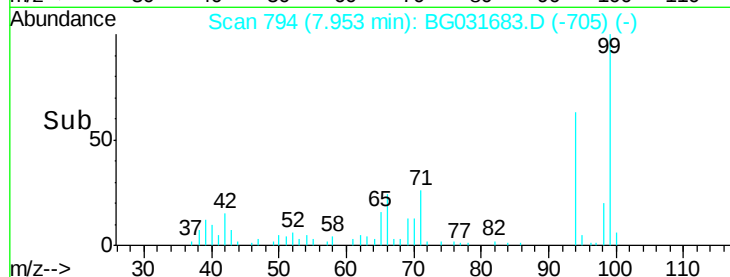
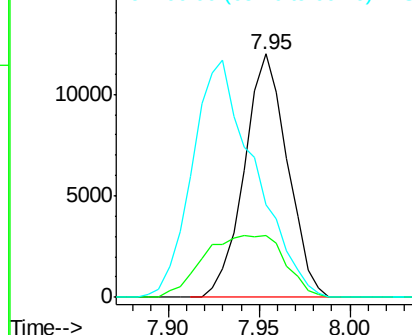
94 100

65 25.3 11.9 51.9

66 38.0 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 13.352 ng

RT: 10.03 min Scan# 1147

Delta R.T. 0.37 min

Lab File: BG031683.D

Acq: 21 Dec 2017 21:14

Tgt Ion: 70 Resp: 30896

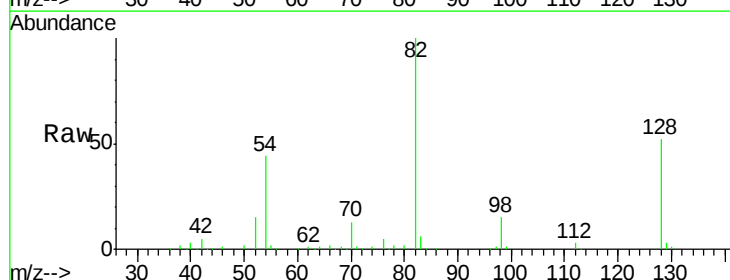
Ion Ratio Lower Upper

70 100

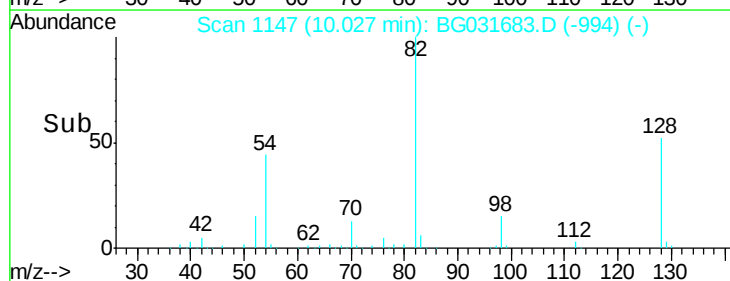
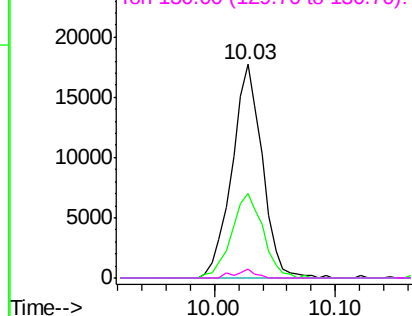
42 39.7 49.1 73.7#

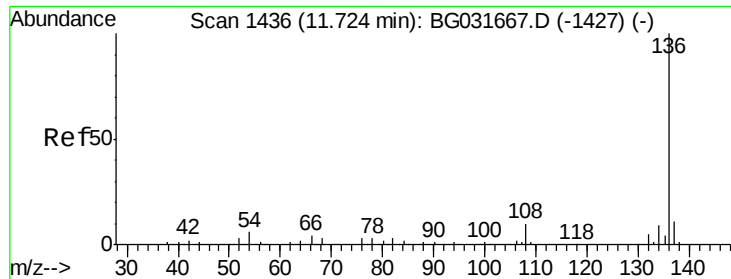
101 0.0 8.5 12.7#

130 4.2 13.4 20.0#



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

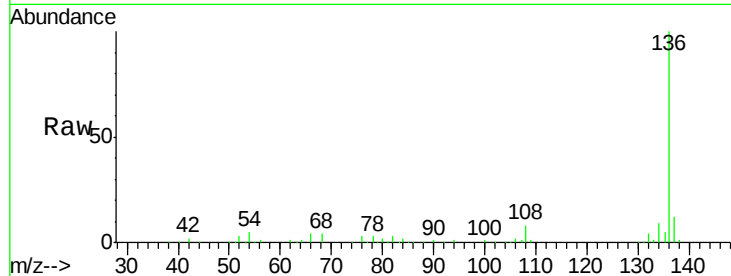




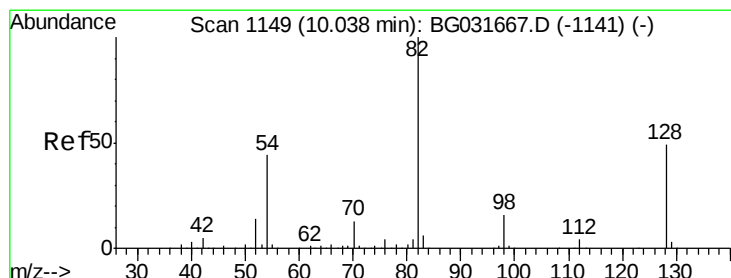
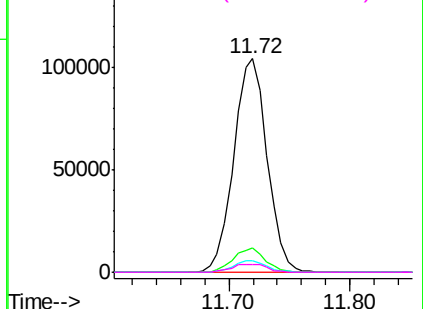
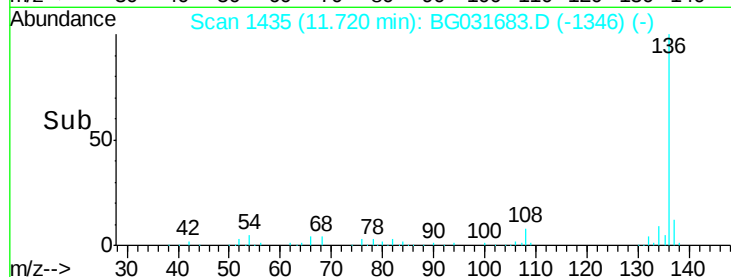
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.72 min Scan# 1435
Delta R.T. -0.00 min
Lab File: BG031683.D
Acq: 21 Dec 2017 21:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	199879
Ion Ratio	Lower	Upper
136	100	
137	11.6	9.2 13.8
54	5.4	10.3 15.5#
68	3.6	4.5 6.7#

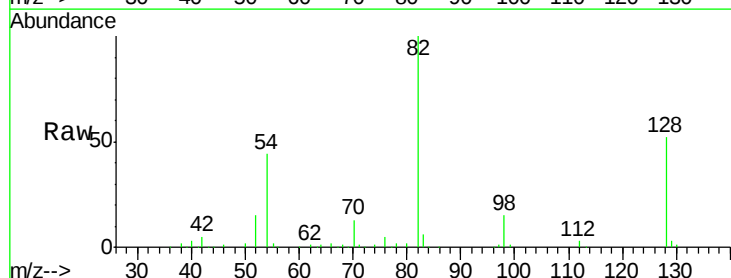


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

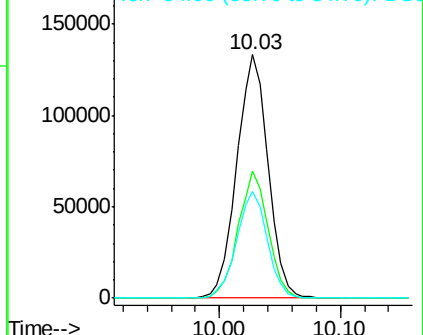
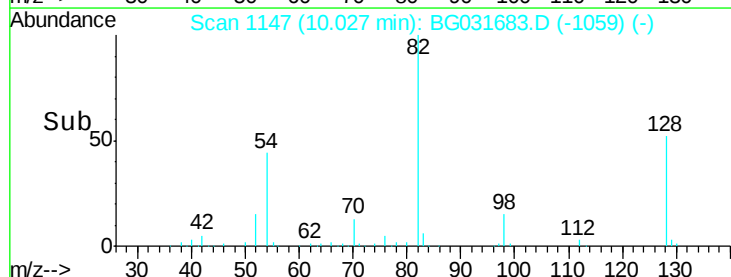


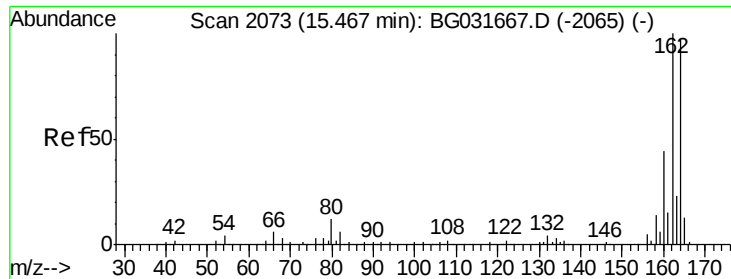
#23
Nitrobenzene-d5
Concen: 90.941 ng
RT: 10.03 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BG031683.D
Acq: 21 Dec 2017 21:14

Tgt Ion: 82	Resp:	240719
Ion Ratio	Lower	Upper
82	100	
128	52.3	29.7 44.5#
54	43.6	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.46 min Scan# 2072

Delta R.T. -0.00 min

Lab File: BG031683.D

Acq: 21 Dec 2017 21:14

Instrument :

BNA_G

ClientSampled :

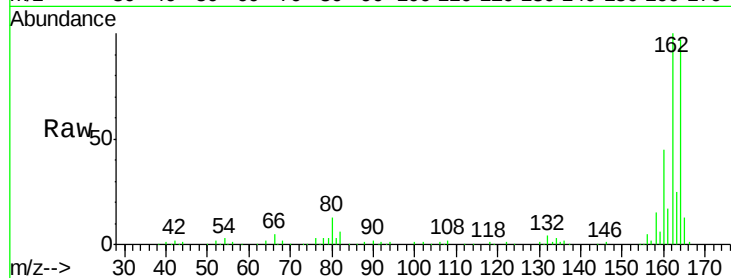
Tot Ion:164 Resp: 140152

Ion Ratio Lower Upper

164 100

162 103.1 78.8 118.2

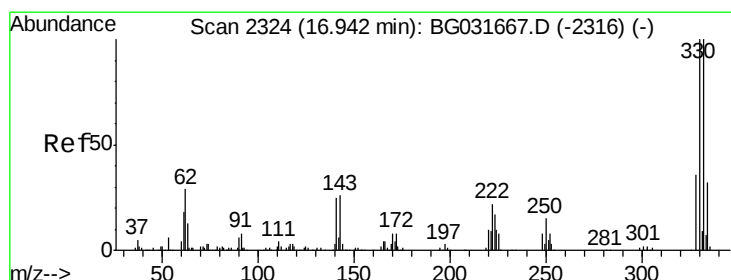
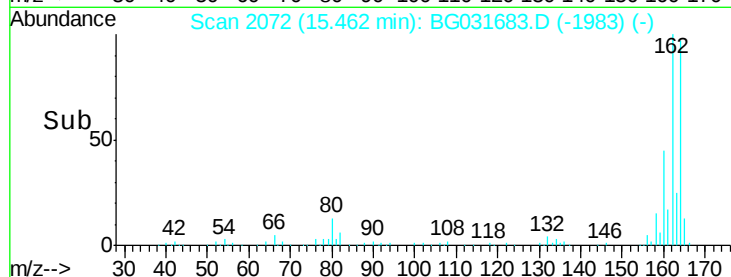
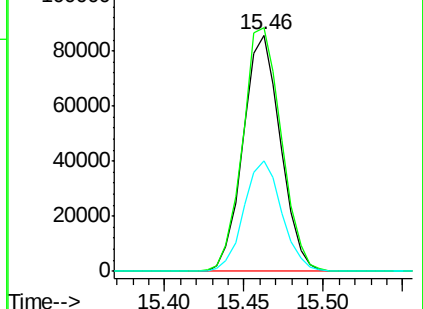
160 46.6 35.4 53.0



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: 145.180 ng

RT: 16.94 min Scan# 2323

Delta R.T. -0.00 min

Lab File: BG031683.D

Acq: 21 Dec 2017 21:14

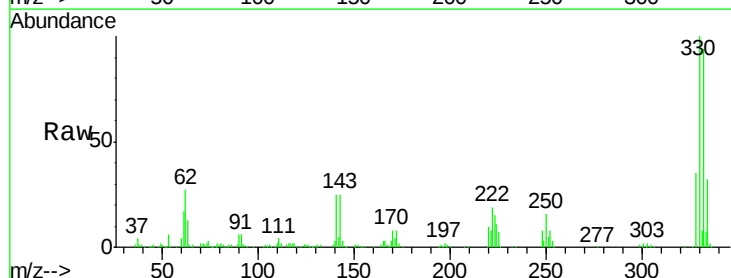
Tgt Ion:330 Resp: 310471

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

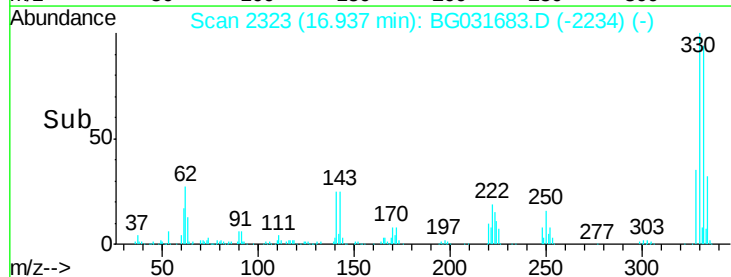
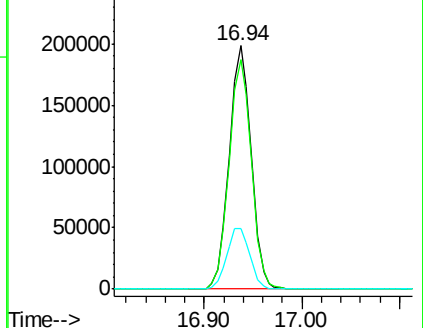
141 26.2 25.2 37.8

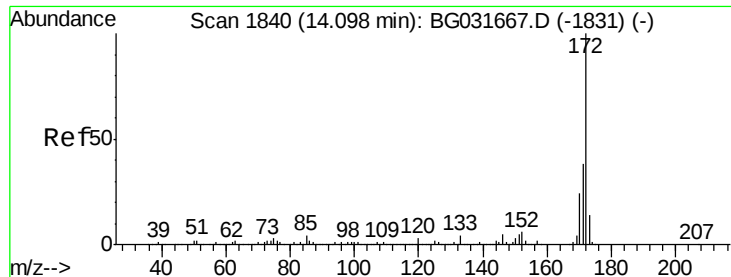


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

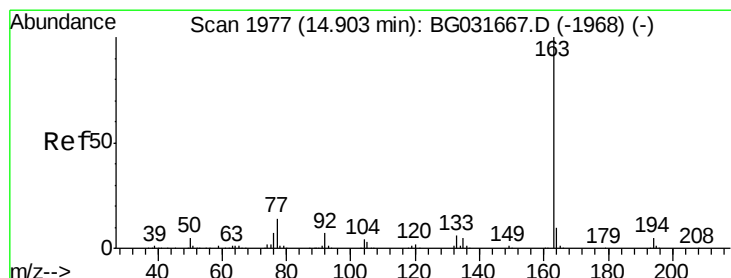
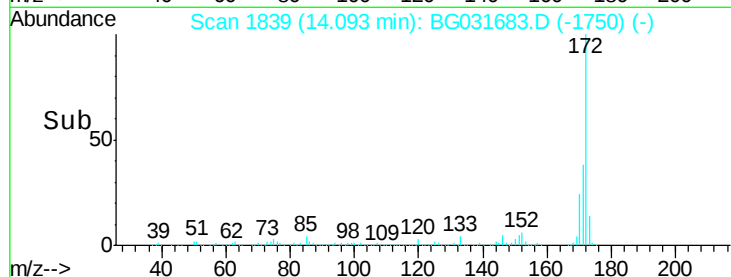
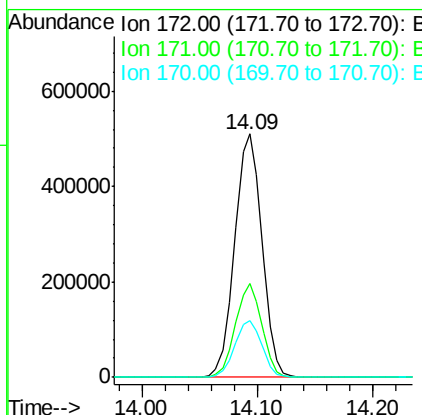
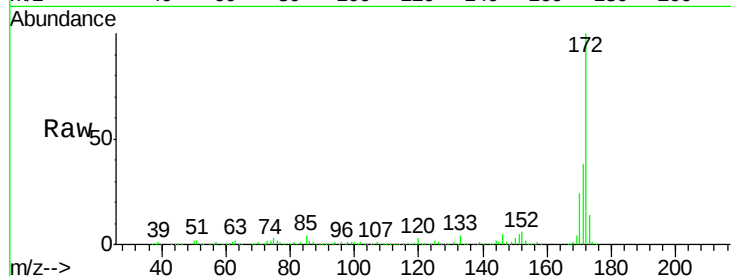




#44
2-Fluorobiphenyl
Concen: 74.188 ng
RT: 14.09 min Scan# 1839
Delta R.T. -0.00 min
Lab File: BG031683.D
Acq: 21 Dec 2017 21:14

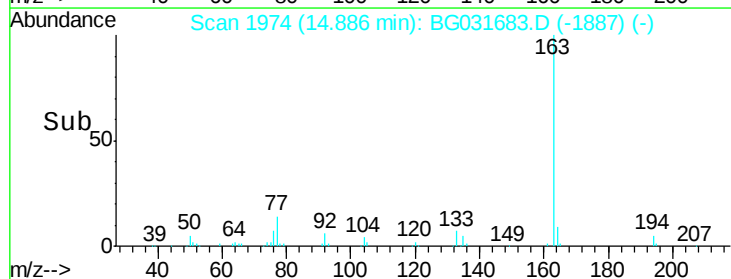
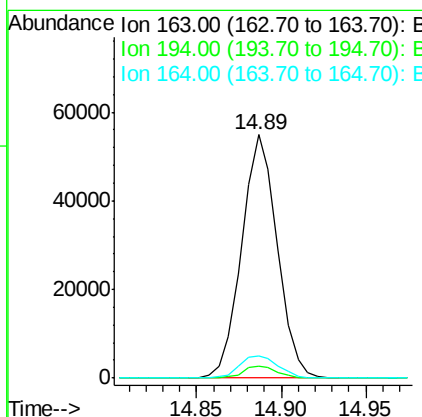
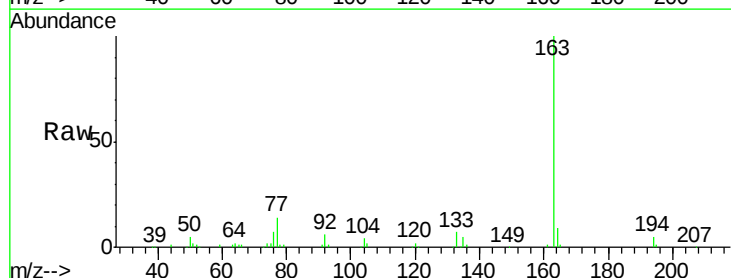
Instrument :
BNA_G
ClientSampleId :

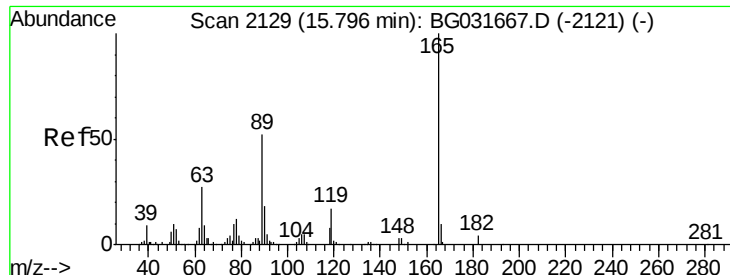
Tot Ion:172 Resp: 828403
Ion Ratio Lower Upper
172 100
171 38.3 30.0 45.0
170 23.5 19.5 29.3



#49
Dimethylphthalate
Concen: 6.520 ng
RT: 14.89 min Scan# 1974
Delta R.T. -0.02 min
Lab File: BG031683.D
Acq: 21 Dec 2017 21:14

Tgt Ion:163 Resp: 80496
Ion Ratio Lower Upper
163 100
194 4.7 3.4 5.2
164 8.9 8.2 12.4

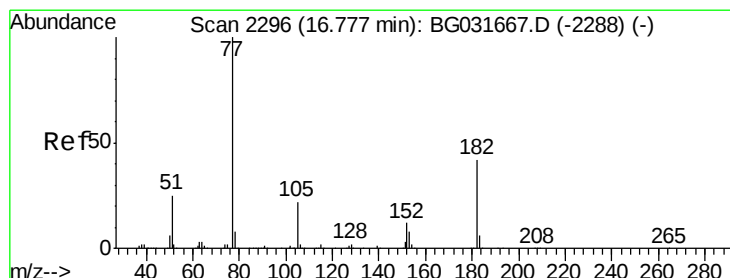
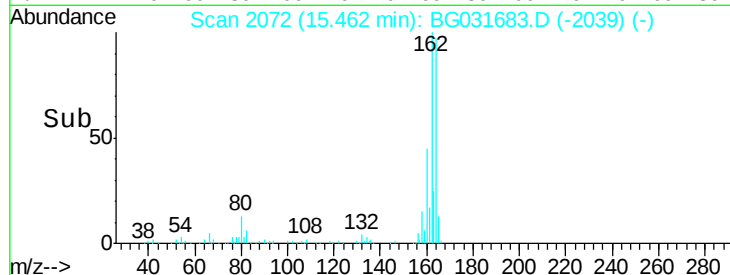
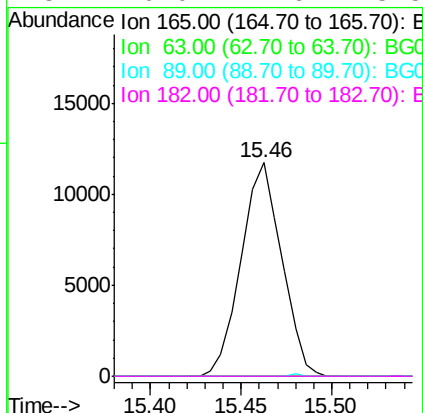
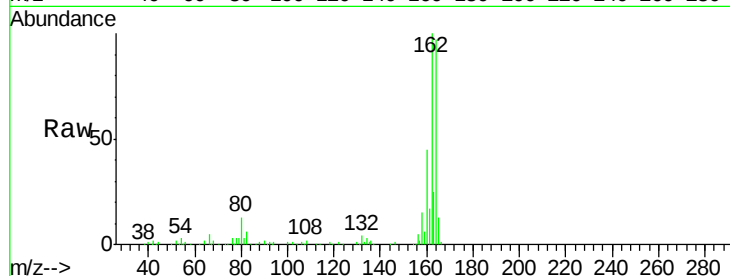




#56
 2,4-Dinitrotoluene
 Concen: 6.251 ng
 RT: 15.46 min Scan# 2072
 Delta R.T. -0.33 min
 Lab File: BG031683.D
 Acq: 21 Dec 2017 21:14

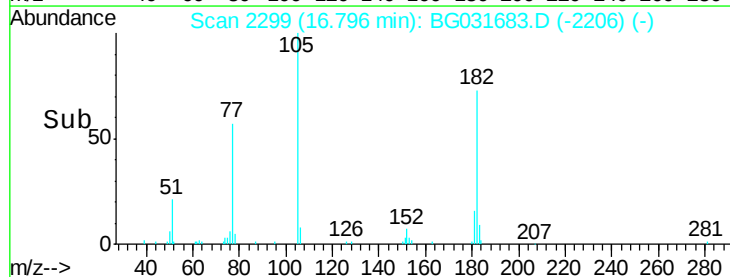
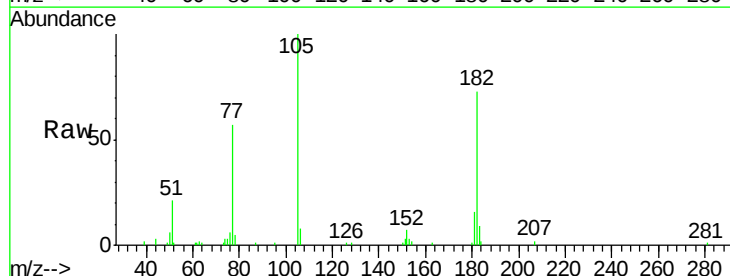
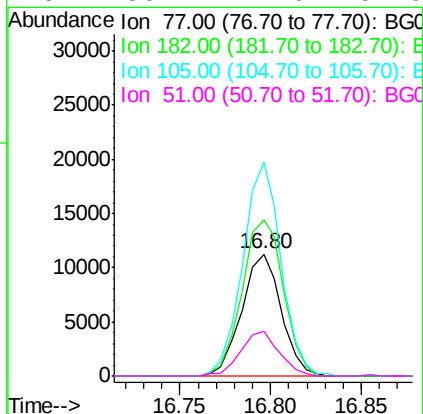
Instrument :
 BNA_G
 ClientSampleId :

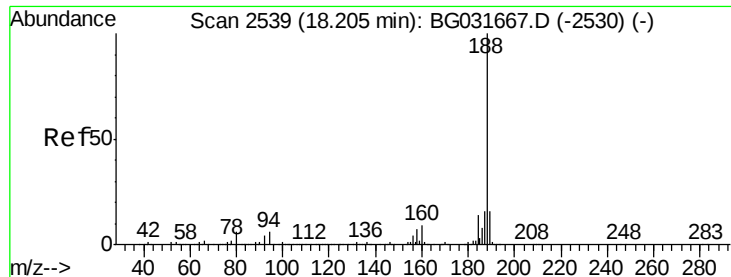
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#62
 Azobenzene
 Concen: 2.196 ng
 RT: 16.80 min Scan# 2299
 Delta R.T. 0.02 min
 Lab File: BG031683.D
 Acq: 21 Dec 2017 21:14

Tgt Ion	Ratio	Lower	Upper
77	100		
182	128.6	7.4	47.4#
105	175.7	0.3	40.3#
51	36.7	11.6	51.6

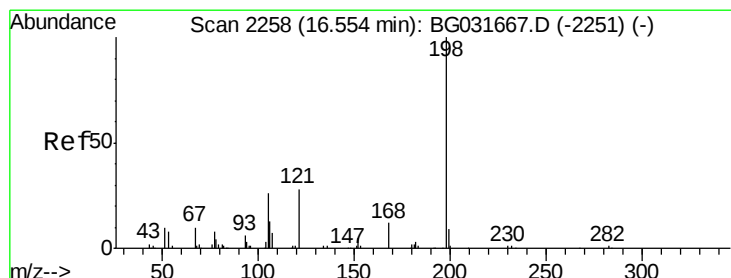
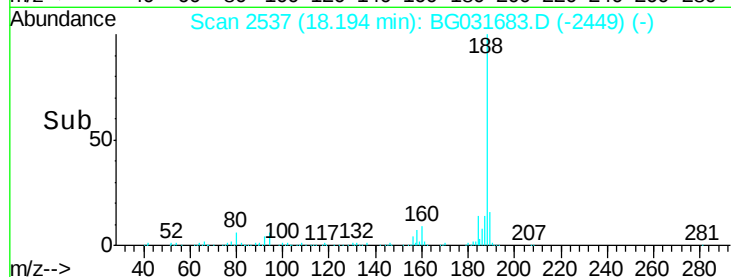
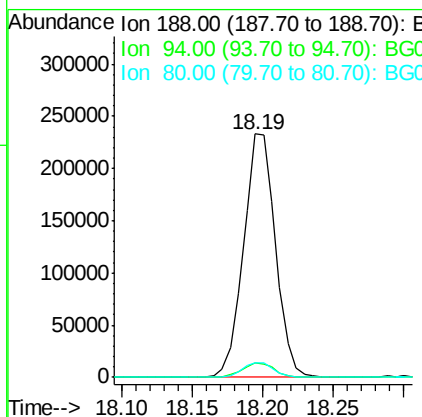
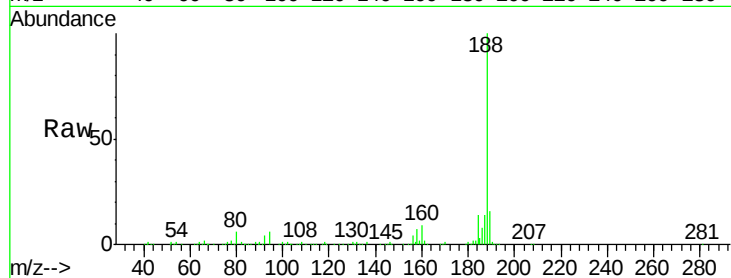




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.19 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BG031683.D
Acq: 21 Dec 2017 21:14

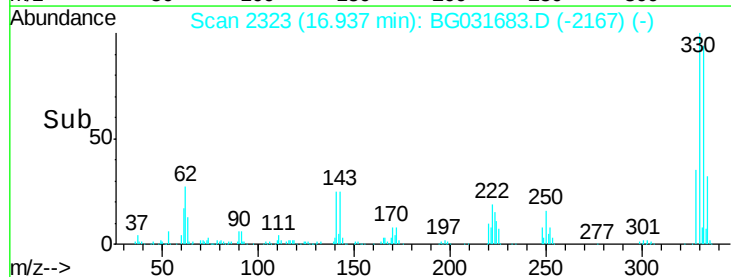
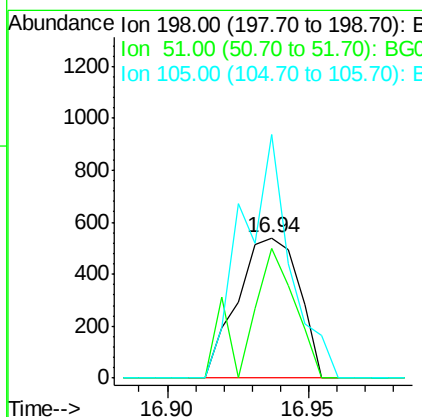
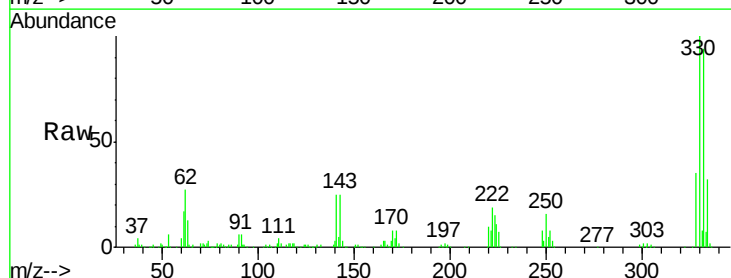
Instrument :
BNA_G
ClientSampleId :

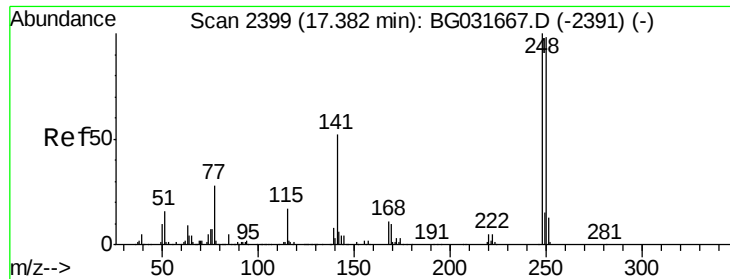
Tot Ion:188 Resp: 367928
Ion Ratio Lower Upper
188 100
94 6.0 6.9 10.3#
80 6.1 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 8.683 ng
RT: 16.94 min Scan# 2323
Delta R.T. 0.38 min
Lab File: BG031683.D
Acq: 21 Dec 2017 21:14

Tgt Ion:198 Resp: 817
Ion Ratio Lower Upper
198 100
51 92.1 30.6 70.6#
105 173.2 23.8 63.8#

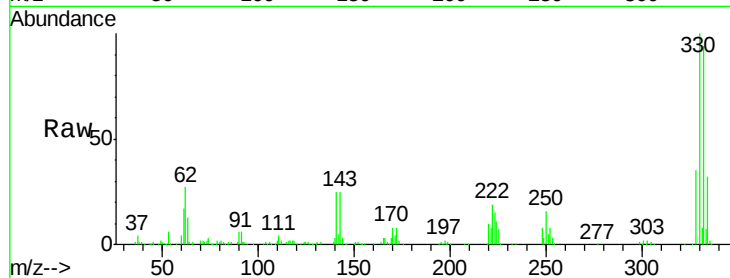




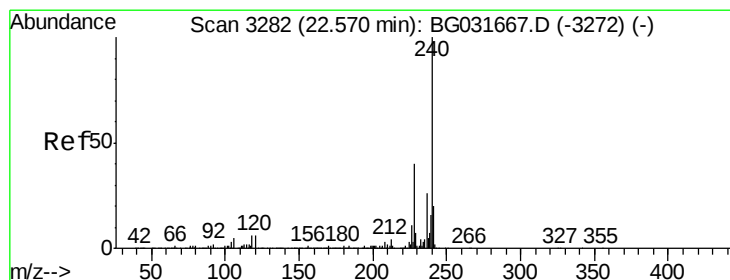
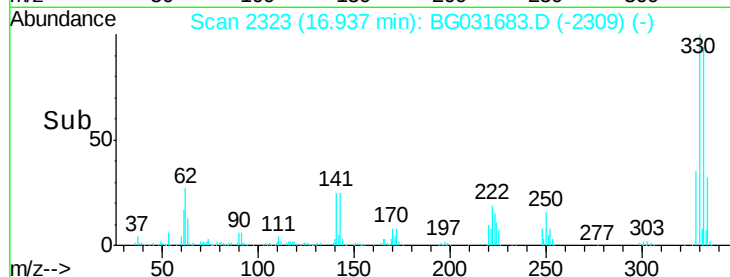
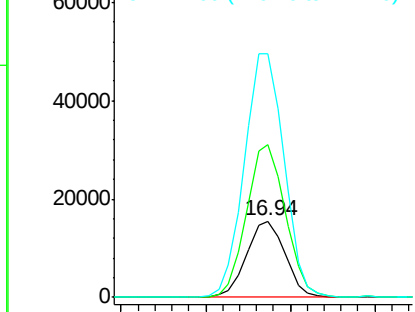
#66
4-Bromophenyl-phenylether
Concen: 4.621 ng
RT: 16.94 min Scan# 2323
Delta R.T. -0.45 min
Lab File: BG031683.D
Acq: 21 Dec 2017 21:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 24586
Ion Ratio Lower Upper
248 100
250 200.4 77.1 115.7#
141 318.6 50.8 76.2#

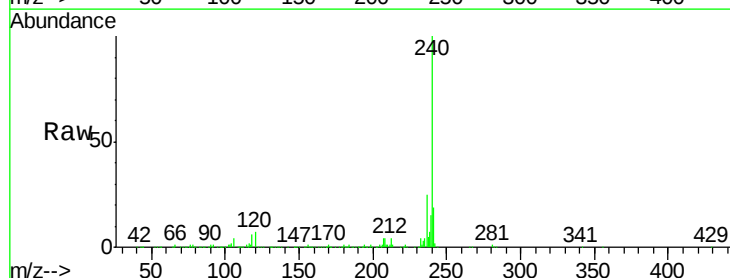


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

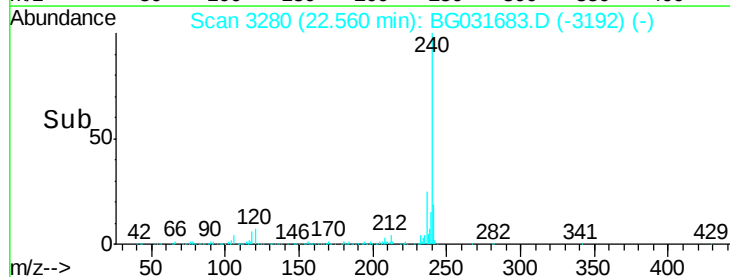
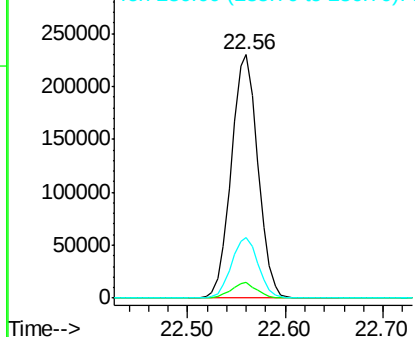


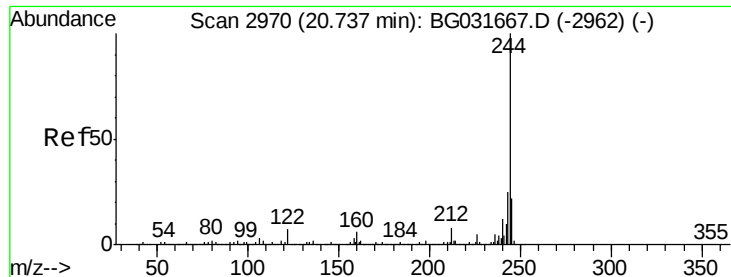
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.56 min Scan# 3280
Delta R.T. -0.01 min
Lab File: BG031683.D
Acq: 21 Dec 2017 21:14

Tgt Ion:240 Resp: 433792
Ion Ratio Lower Upper
240 100
120 6.6 6.8 10.2#
236 24.7 20.9 31.3



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: 74.337 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.00 min

Lab File: BG031683.D

Acq: 21 Dec 2017 21:14

Instrument :

BNA_G

ClientSampled :

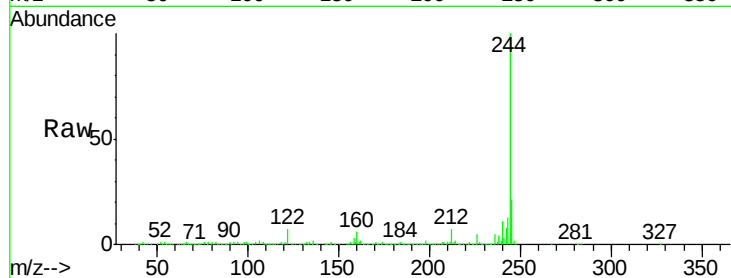
Tot Ion:244 Resp: 1411462

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

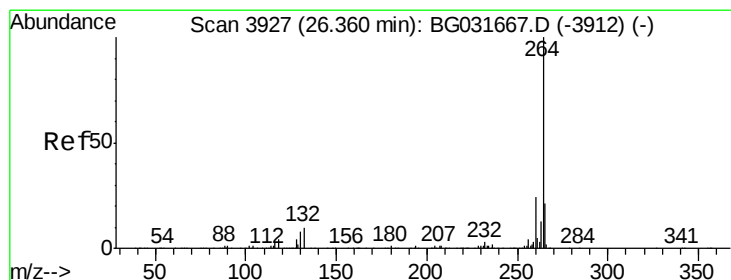
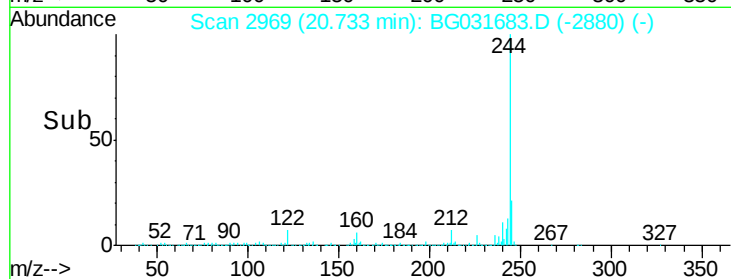
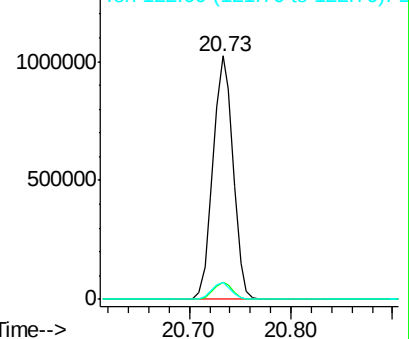
122 7.1 7.0 10.4



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: 20.000 ng

RT: 26.35 min Scan# 3925

Delta R.T. -0.01 min

Lab File: BG031683.D

Acq: 21 Dec 2017 21:14

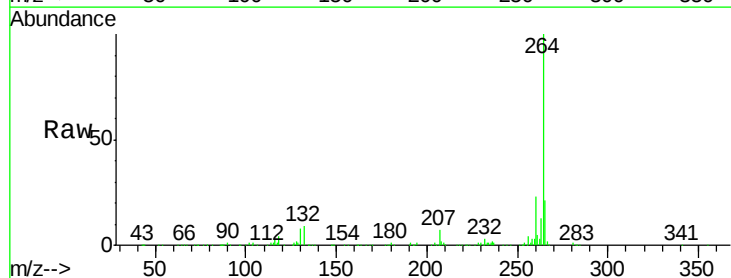
Tgt Ion:264 Resp: 457947

Ion Ratio Lower Upper

264 100

260 22.9 17.4 26.0

265 20.5 17.7 26.5



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

