

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010318\
 Data File : BG031902.D
 Acq On : 3 Jan 2018 22:52
 Operator : SJ/JU
 Sample : J1005-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 04:48:53 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 15:51:46 2017
 Response via : Initial Calibration

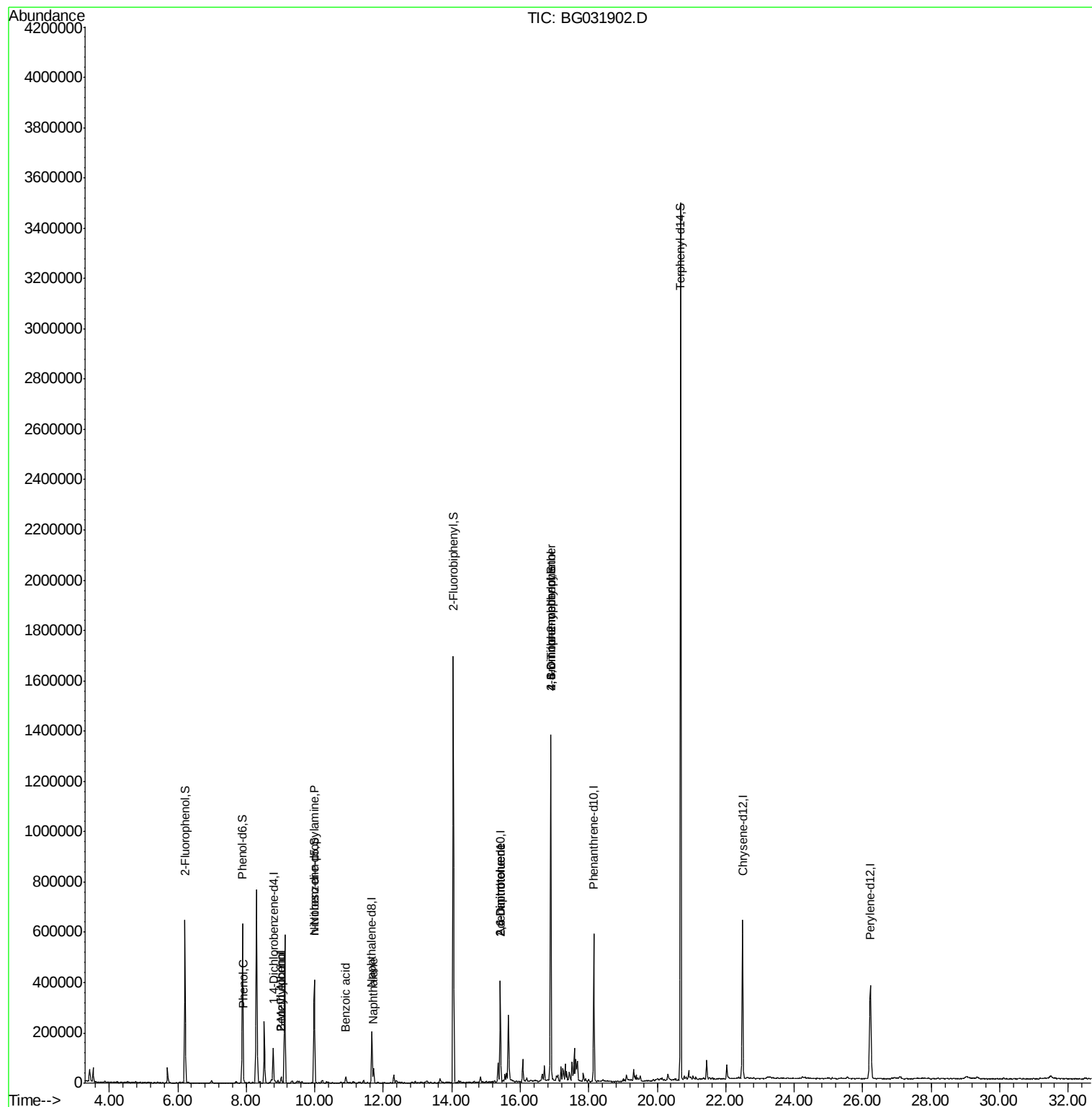
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.79	152	47194	20.00	ng	0.00
21) Naphthalene-d8	11.67	136	208550	20.00	ng	-0.01
38) Acenaphthene-d10	15.42	164	150457	20.00	ng	-0.01
63) Phenanthrene-d10	18.15	188	399627	20.00	ng	-0.01
75) Chrysene-d12	22.49	240	468268	20.00	ng	-0.02
86) Perylene-d12	26.22	264	492947	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	355733	137.29	ng	0.00
7) Phenol-d6	7.89	99	441205	131.15	ng	0.00
23) Nitrobenzene-d5	9.99	82	276187	100.00	ng	0.00
41) 2,4,6-Tribromophenol	16.89	330	335587	146.18	ng	0.00
44) 2-Fluorobiphenyl	14.05	172	1027433	85.71	ng	0.00
78) Terphenyl-d14	20.68	244	1899752	92.69	ng	-0.01
Target Compounds						
10) Phenol	7.92	94	9935	2.925	ng	92
15) Benzyl Alcohol	9.02	79	9537	3.776	ng	90
17) 2-Methylphenol	9.02	107	5717	2.352	ng	# 47
19) n-Nitroso-di-n-propylamine	9.99	70	36902	16.062	ng	# 71
31) Naphthalene	11.72	128	55218	5.246	ng	# 98
32) Benzoic acid	10.90	122	57	6.718	ng	# 1
50) 2,6-Dinitrotoluene	15.42	165	20070	8.231	ng	# 19
56) 2,4-Dinitrotoluene	15.42	165	20070	6.401	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.89	198	656	8.585	ng	# 45
66) 4-Bromophenyl-phenylether	16.89	248	27947	4.836	ng	# 1

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

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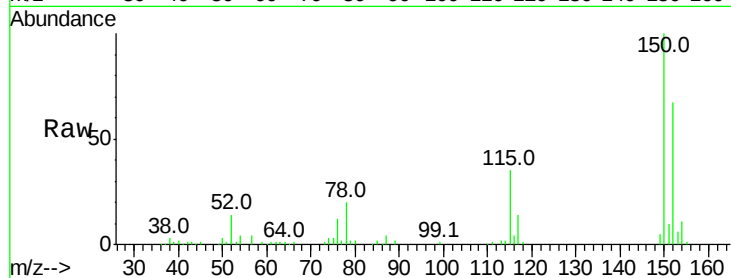


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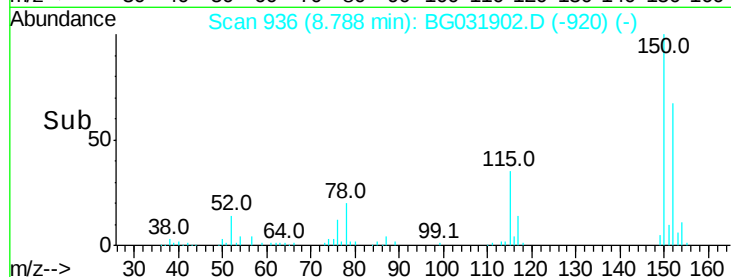
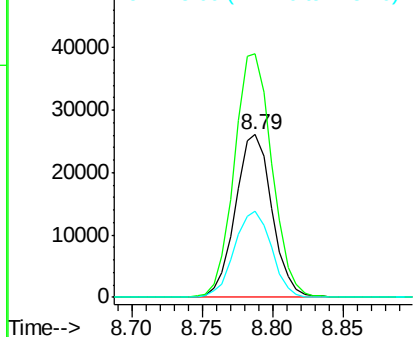
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.79 min Scan# 936
Delta R.T. -0.01 min
Lab File: BG031902.D
Acq: 3 Jan 2018 22:52

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 47194
Ion Ratio Lower Upper
152 100
150 149.7 126.6 189.8
115 52.9 53.0 79.4#



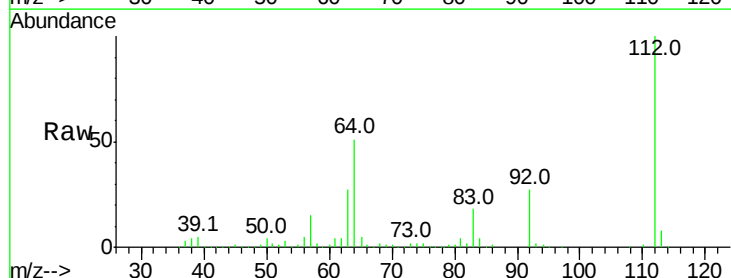
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



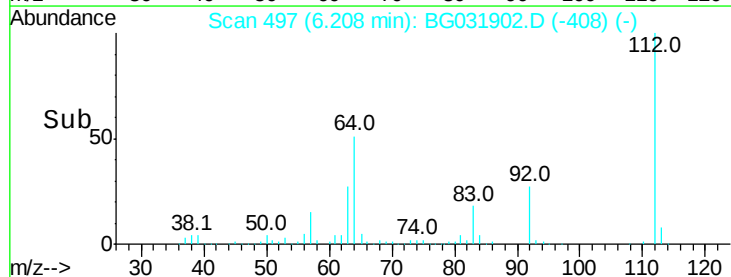
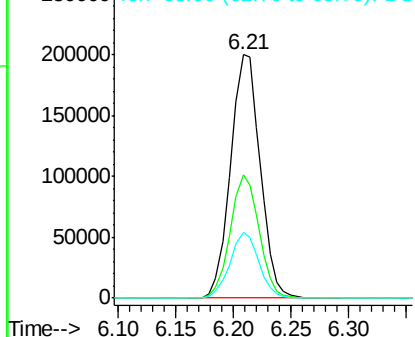
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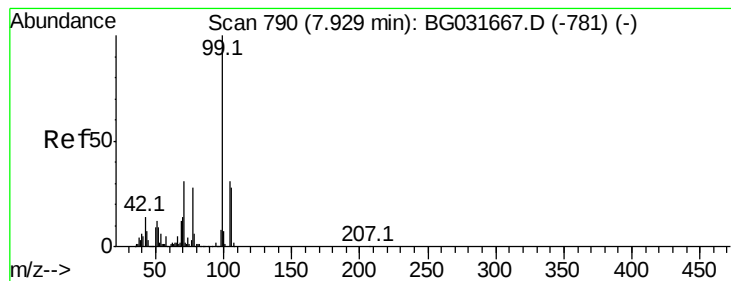
2-Fluorophenol
Concen: 137.290 ng
RT: 6.21 min Scan# 497
Delta R.T. -0.01 min
Lab File: BG031902.D
Acq: 3 Jan 2018 22:52

Tgt Ion:112 Resp: 355733
Ion Ratio Lower Upper
112 100
64 50.5 56.3 84.5#
63 26.9 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: 131.151 ng

RT: 7.89 min Scan# 783

Delta R.T. -0.01 min

Lab File: BG031902.D

Acq: 3 Jan 2018 22:52

Instrument :

BNA_G

ClientSampleId :

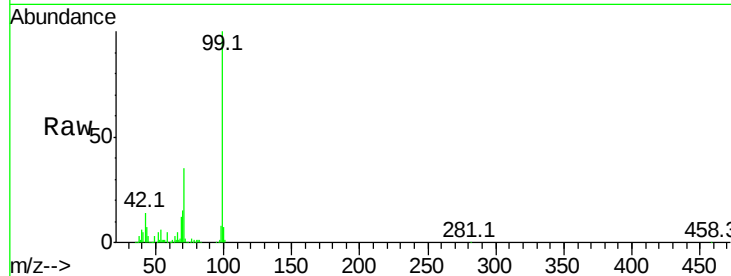
Tot Ion: 99 Resp: 441205

Ion Ratio Lower Upper

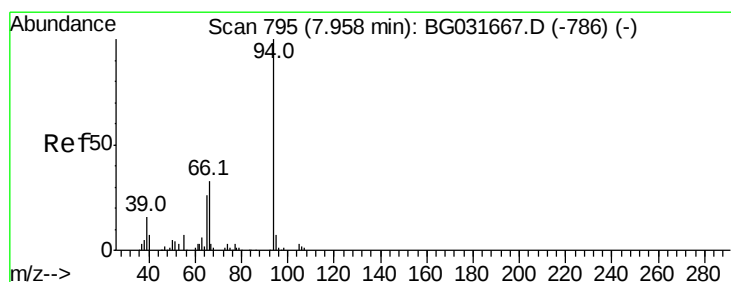
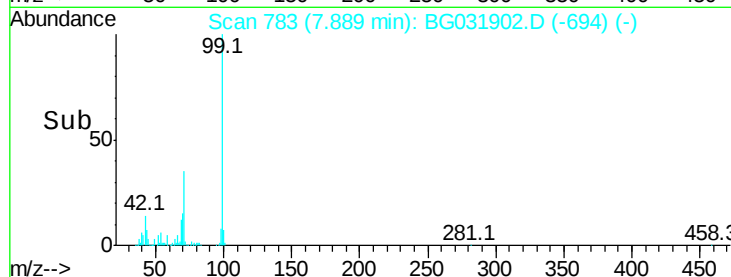
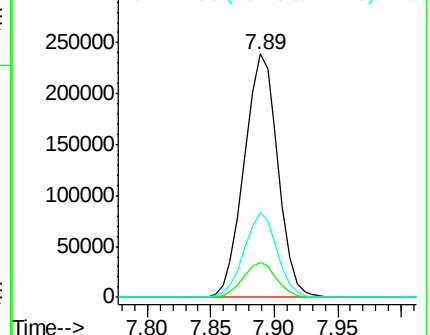
99 100

42 14.5 14.1 21.1

71 34.8 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



#10

Phenol

Concen: 2.925 ng

RT: 7.92 min Scan# 788

Delta R.T. -0.01 min

Lab File: BG031902.D

Acq: 3 Jan 2018 22:52

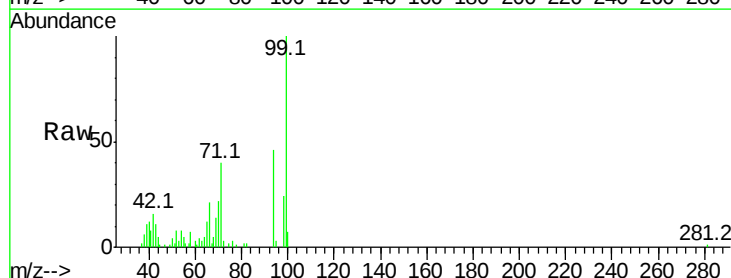
Tgt Ion: 94 Resp: 9935

Ion Ratio Lower Upper

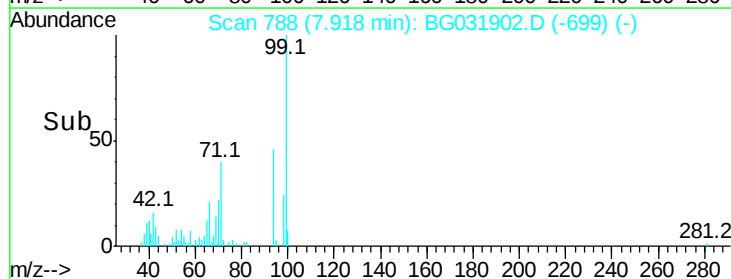
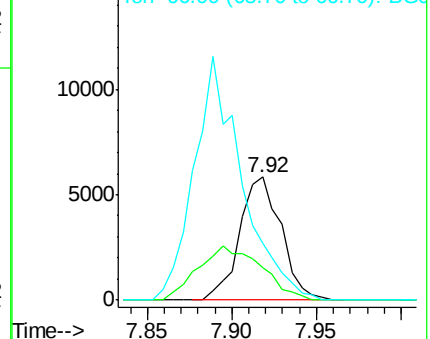
94 100

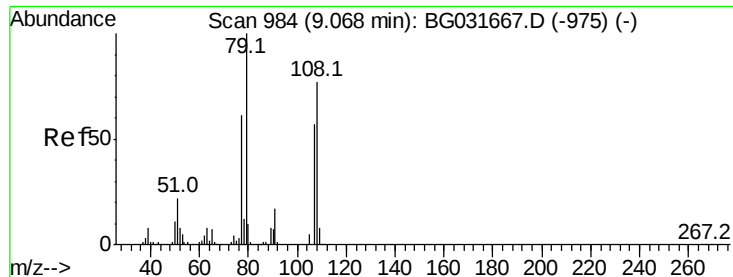
65 26.5 11.9 51.9

66 46.5 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





#15

Benzyl Alcohol

Concen: 3.776 ng

RT: 9.02 min Scan# 975

Delta R.T. -0.01 min

Lab File: BG031902.D

Acq: 3 Jan 2018 22:52

Instrument :

BNA_G

ClientSampleId :

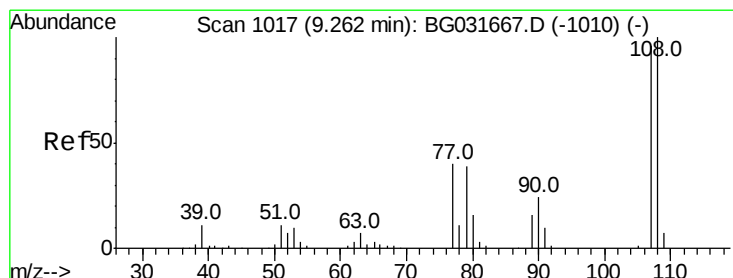
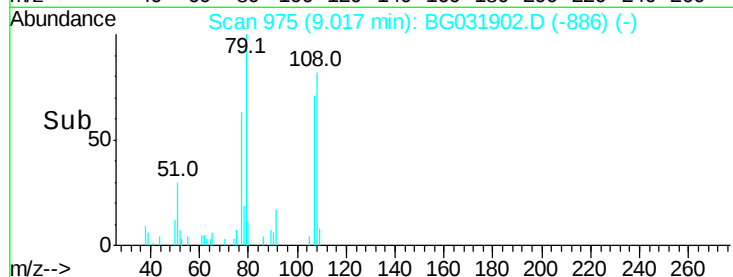
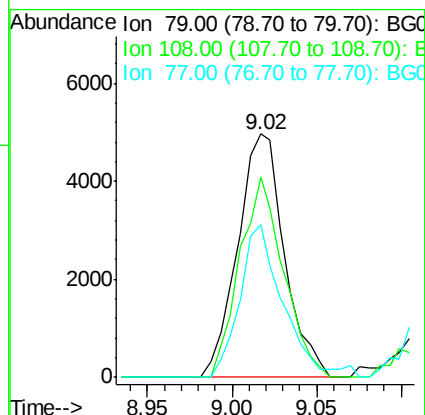
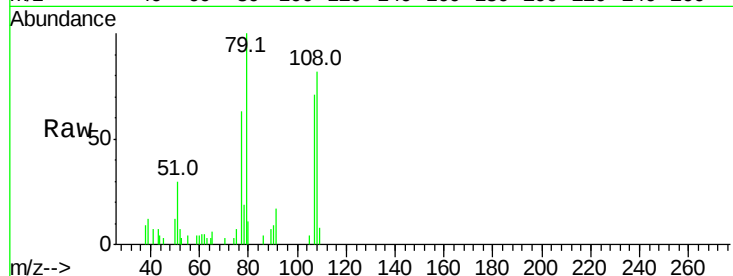
Tot Ion: 79 Resp: 9537

Ion Ratio Lower Upper

79 100

108 82.0 57.2 85.8

77 62.5 46.1 69.1



#17

2-Methylphenol

Concen: 2.352 ng

RT: 9.02 min Scan# 975

Delta R.T. -0.20 min

Lab File: BG031902.D

Acq: 3 Jan 2018 22:52

Tgt Ion: 107 Resp: 5717

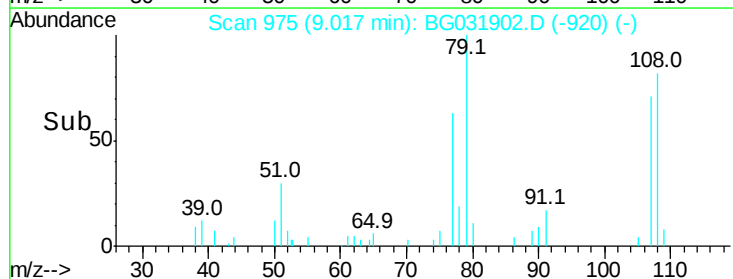
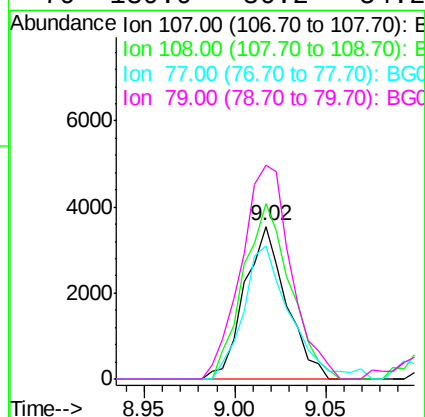
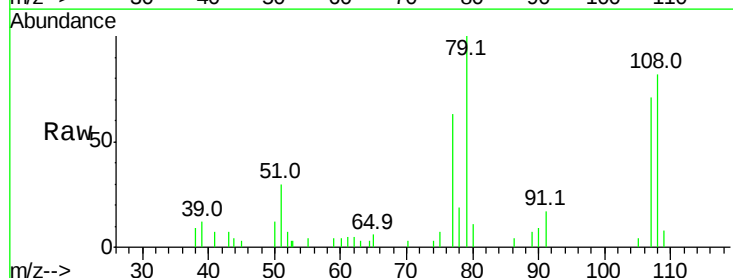
Ion Ratio Lower Upper

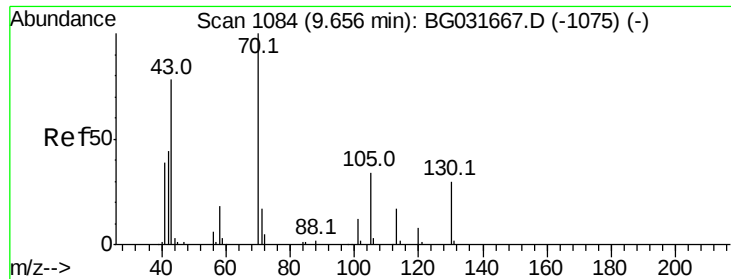
107 100

108 114.8 83.9 125.9

77 87.5 37.2 55.8#

79 139.9 36.2 54.2#

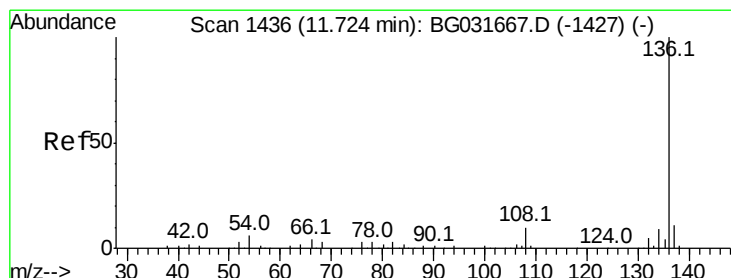
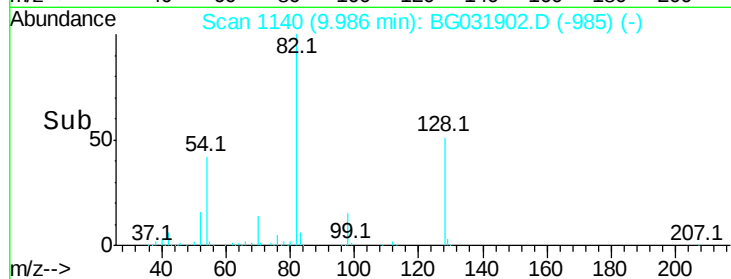
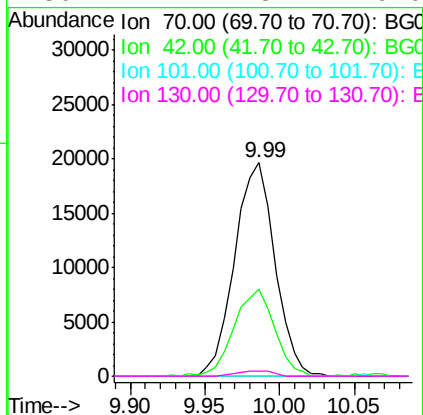
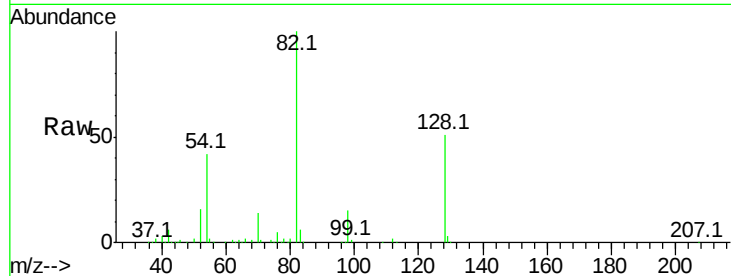




#19
n-Nitroso-di-n-propylamine
Concen: 16.062 ng
RT: 9.99 min Scan# 1140
Delta R.T. 0.38 min
Lab File: BG031902.D
Acq: 3 Jan 2018 22:52

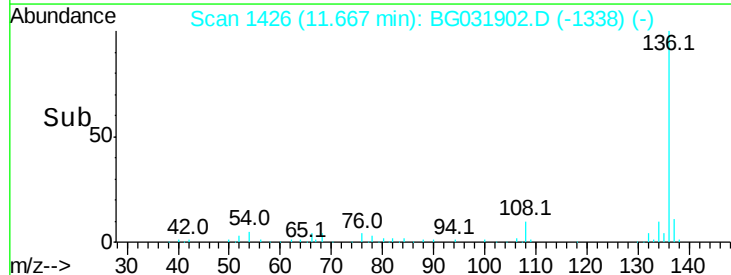
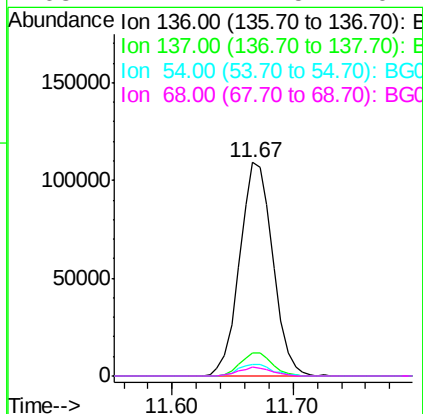
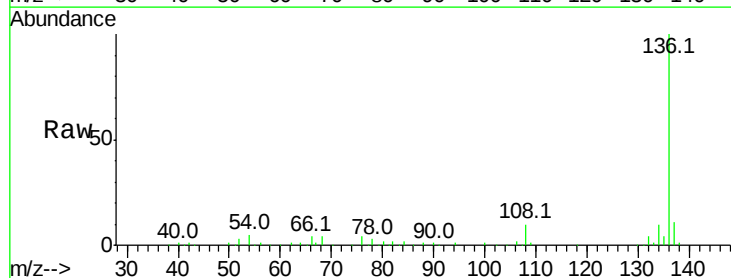
Instrument :
BNA_G
ClientSampleId :

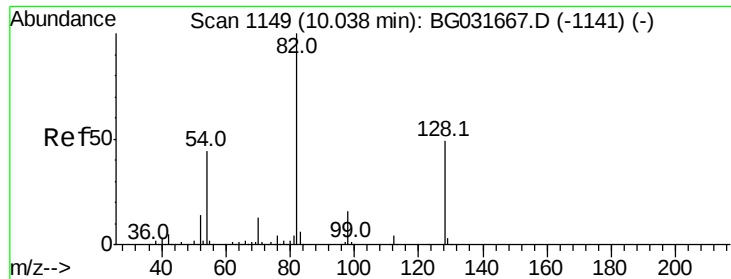
Tot Ion: 70 Resp: 36902
Ion Ratio Lower Upper
70 100
42 40.5 49.1 73.7#
101 0.0 8.5 12.7#
130 2.2 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.67 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BG031902.D
Acq: 3 Jan 2018 22:52

Tgt Ion: 136 Resp: 208550
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 5.2 10.3 15.5#
68 4.2 4.5 6.7#

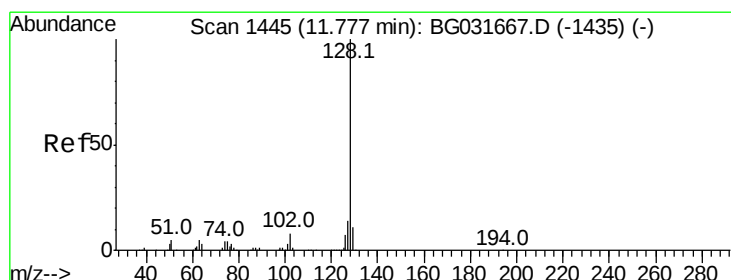
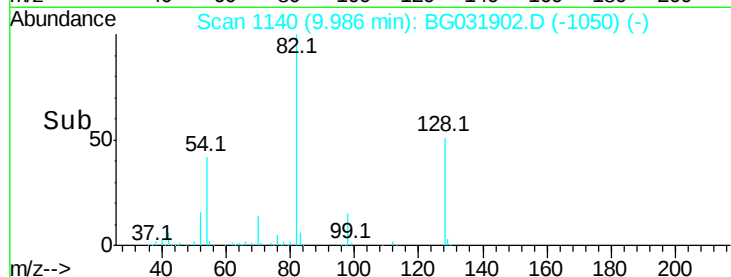
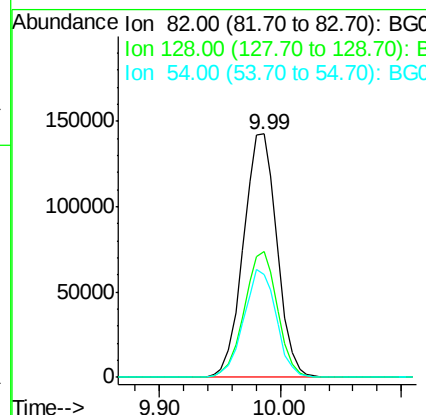
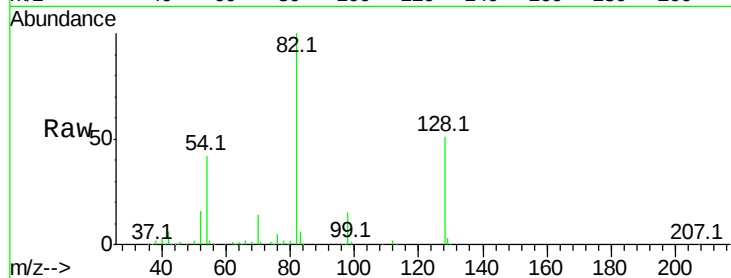




#23
 Nitrobenzene-d5
 Concen: 100.002 ng
 RT: 9.99 min Scan# 1140
 Delta R.T. 0.00 min
 Lab File: BG031902.D
 Acq: 3 Jan 2018 22:52

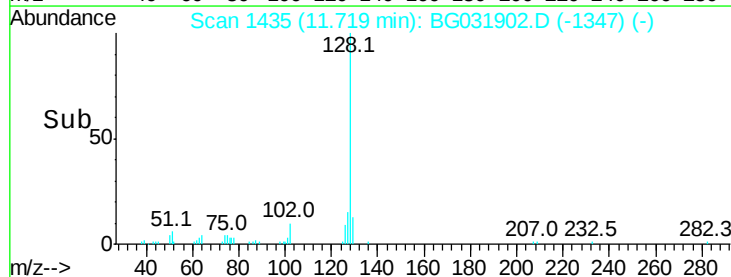
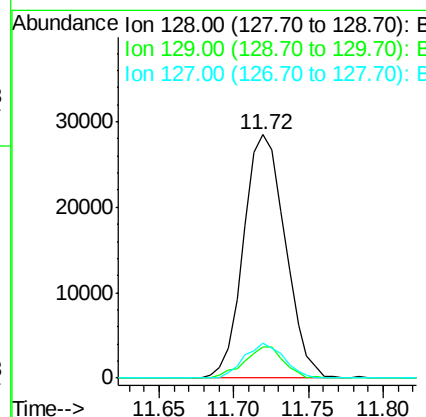
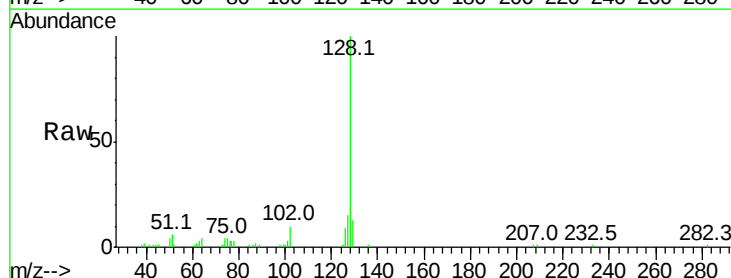
Instrument :
 BNA_G
 ClientSampleId :

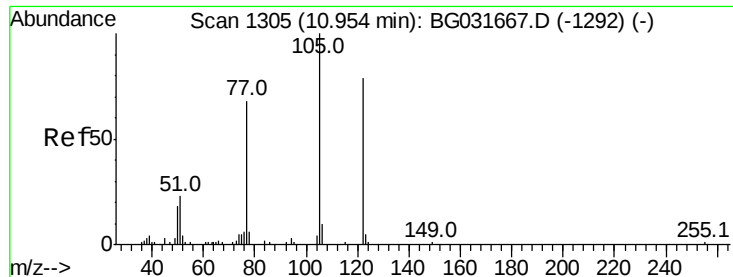
Tot Ion: 82 Resp: 276187
 Ion Ratio Lower Upper
 82 100
 128 51.5 29.7 44.5#
 54 42.3 43.1 64.7#



#31
 Naphthalene
 Concen: 5.246 ng
 RT: 11.72 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BG031902.D
 Acq: 3 Jan 2018 22:52

Tgt Ion: 128 Resp: 55218
 Ion Ratio Lower Upper
 128 100
 129 12.9 8.6 12.8#
 127 14.5 11.6 17.4

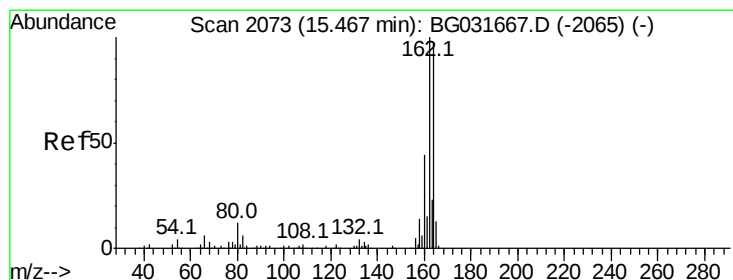
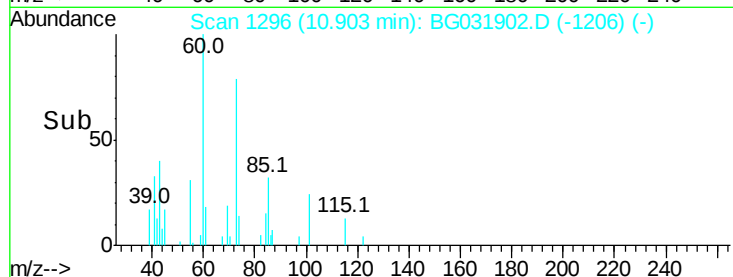
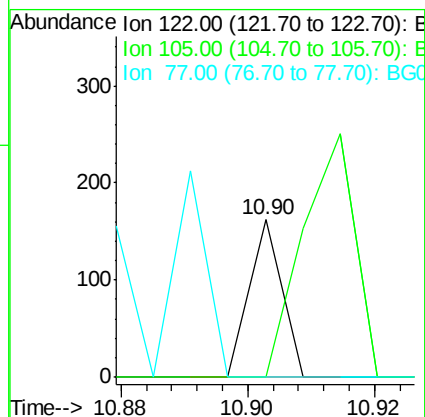
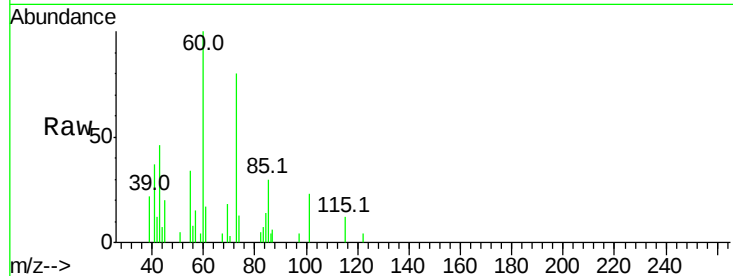




#32
Benzoic acid
Concen: 6.718 ng
RT: 10.90 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BG031902.D
Acq: 3 Jan 2018 22:52

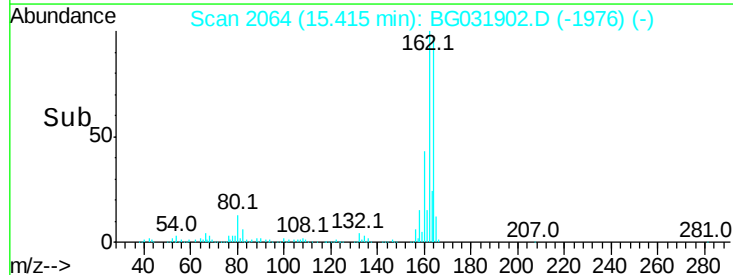
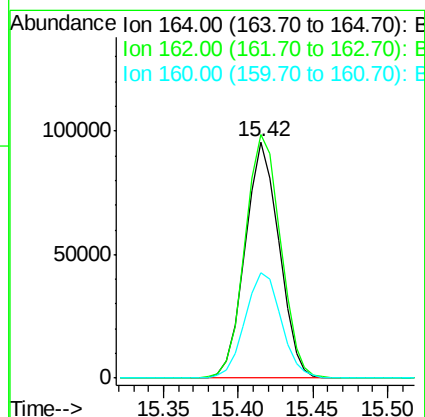
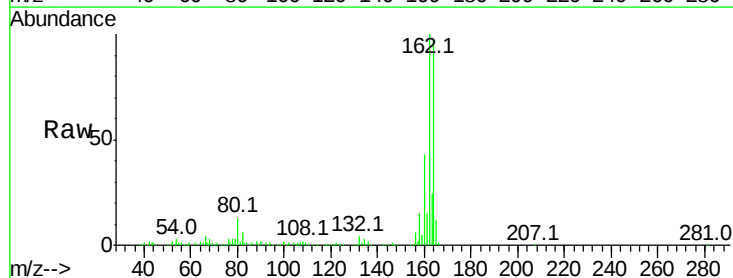
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BNA_G
ClientSampleId :

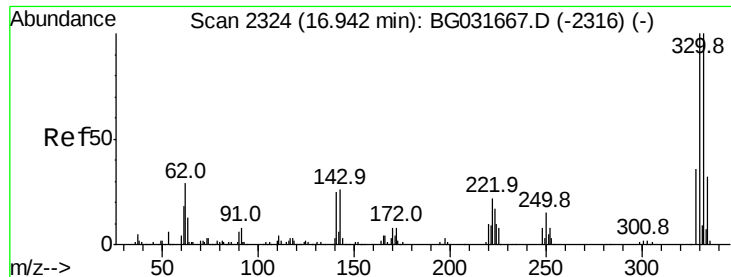
Tot Ion:122 Resp: 57
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.42 min Scan# 2064
Delta R.T. -0.01 min
Lab File: BG031902.D
Acq: 3 Jan 2018 22:52

Tgt Ion:164 Resp: 150457
Ion Ratio Lower Upper
164 100
162 103.2 78.8 118.2
160 44.6 35.4 53.0

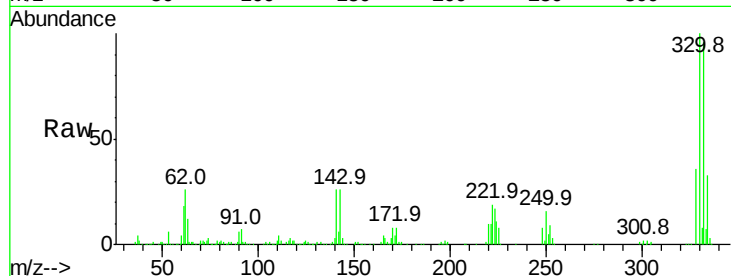




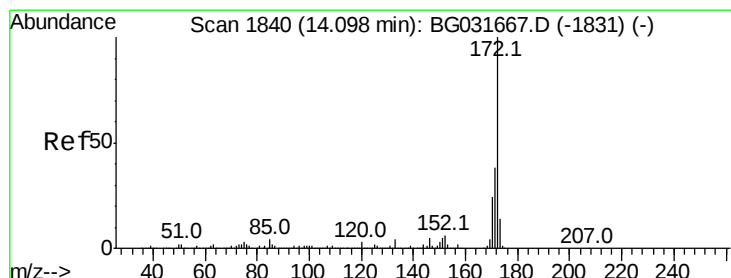
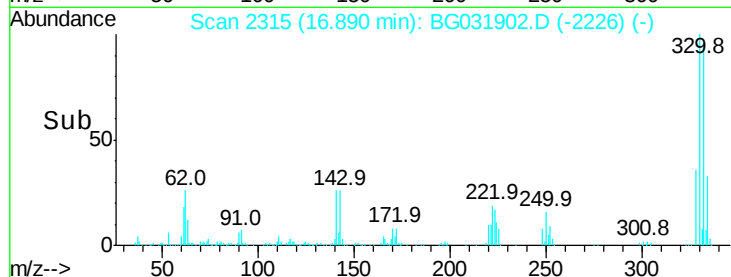
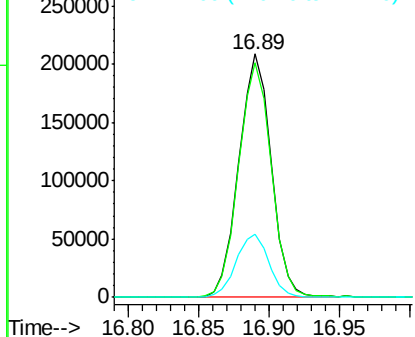
#41
 2,4,6-Tribromophenol
 Concen: 146.177 ng
 RT: 16.89 min Scan# 2315
 Delta R.T. -0.01 min
 Lab File: BG031902.D
 Acq: 3 Jan 2018 22:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	26.4	25.2	37.8

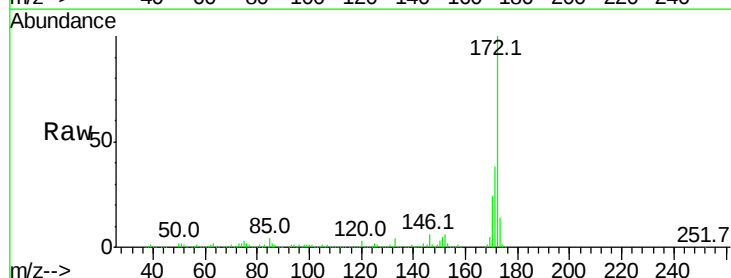


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

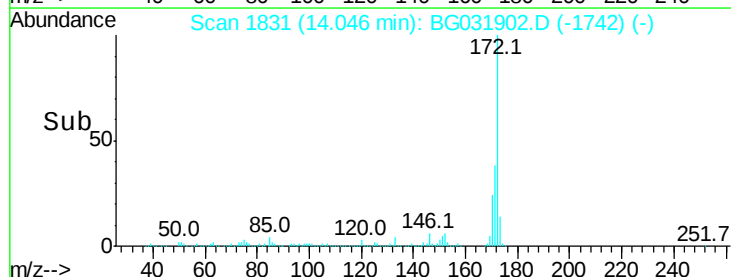
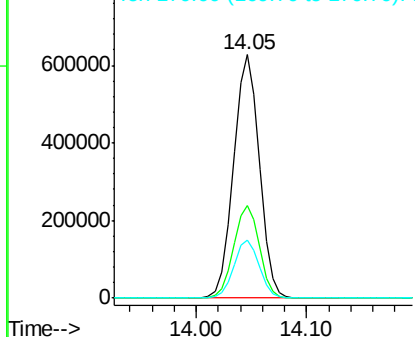


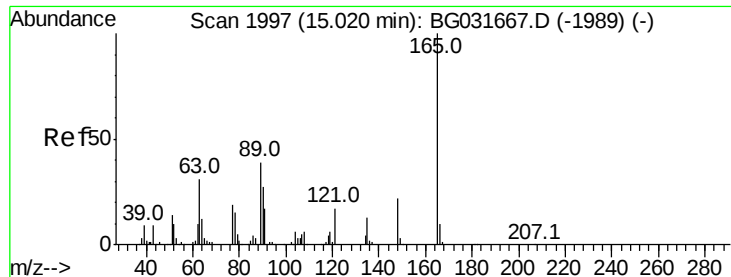
#44
 2-Fluorobiphenyl
 Concen: 85.710 ng
 RT: 14.05 min Scan# 1831
 Delta R.T. -0.01 min
 Lab File: BG031902.D
 Acq: 3 Jan 2018 22:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.0	45.0
170	24.0	19.5	29.3



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

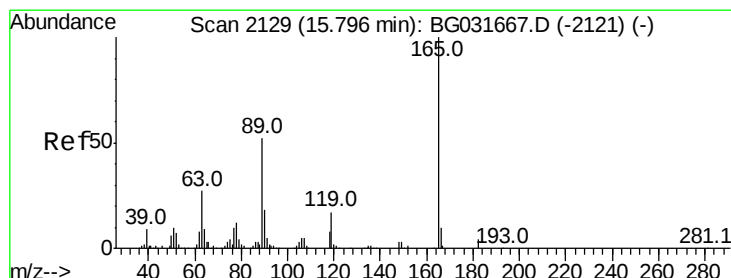
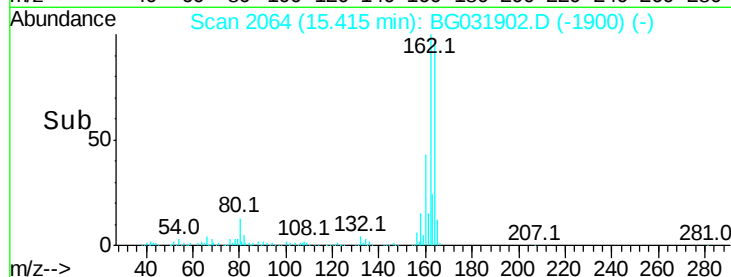
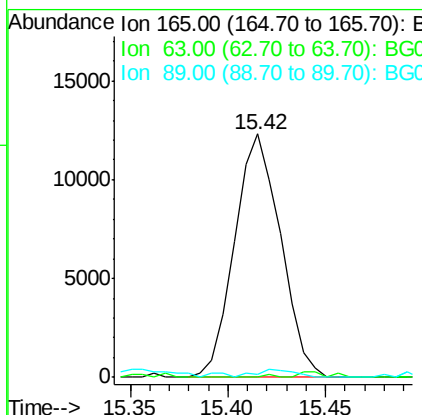
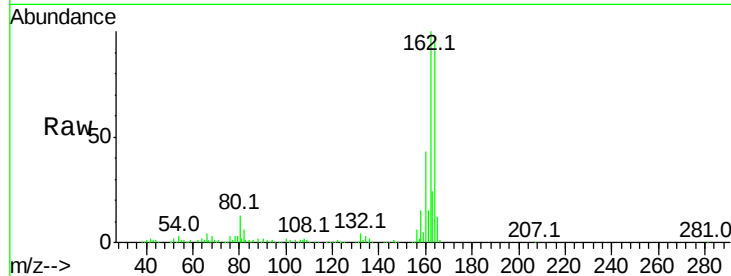




#50
2,6-Dinitrotoluene
Concen: 8.231 ng
RT: 15.42 min Scan# 2064
Delta R.T. 0.44 min
Lab File: BG031902.D
Acq: 3 Jan 2018 22:52

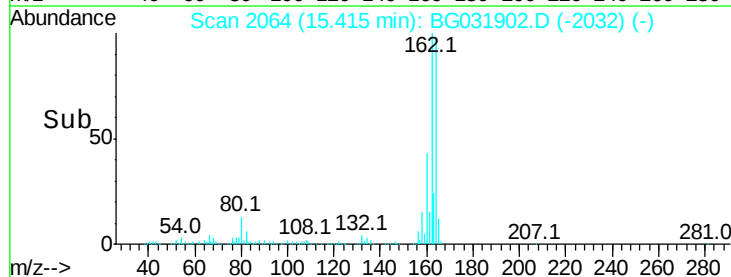
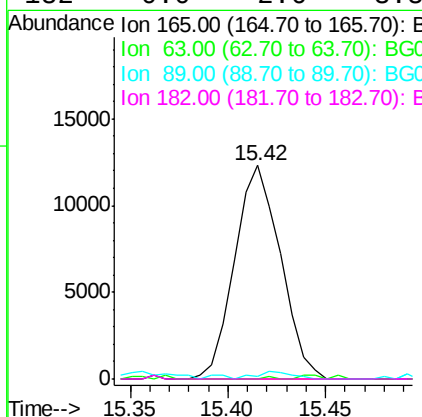
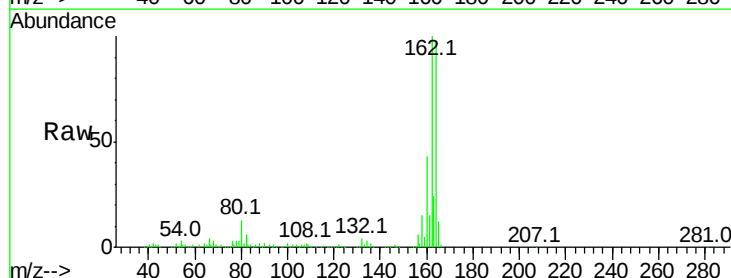
Instrument :
BNA_G
ClientSampleId :

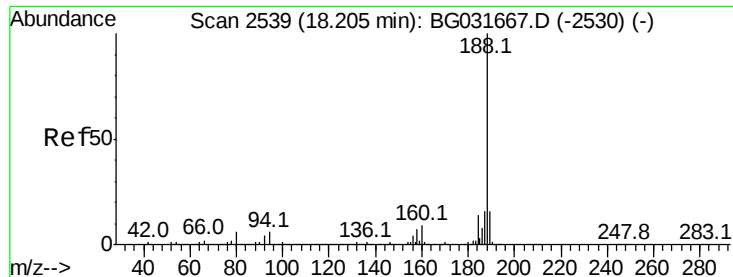
Tot Ion:165 Resp: 20070
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.5 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 6.401 ng
RT: 15.42 min Scan# 2064
Delta R.T. -0.34 min
Lab File: BG031902.D
Acq: 3 Jan 2018 22:52

Tgt Ion:165 Resp: 20070
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 1.5 66.9 100.3#
182 0.0 2.6 3.8#

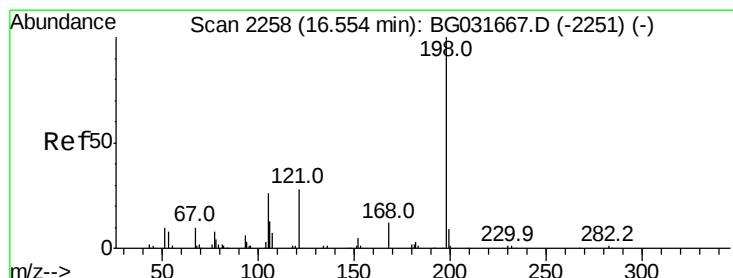
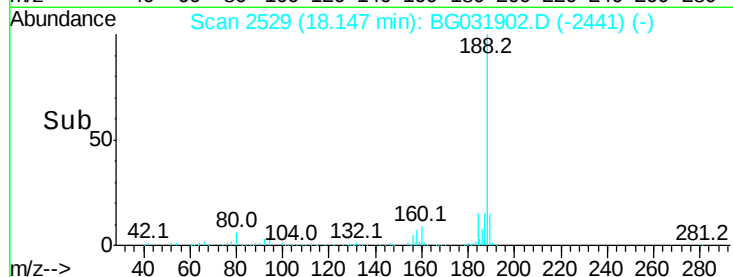
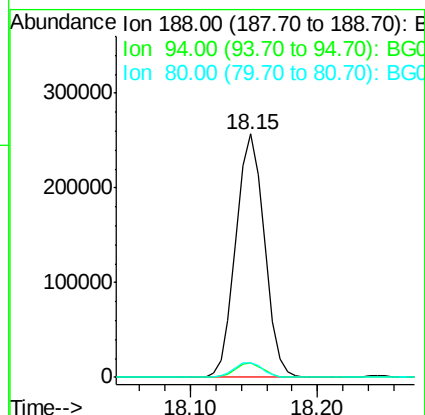
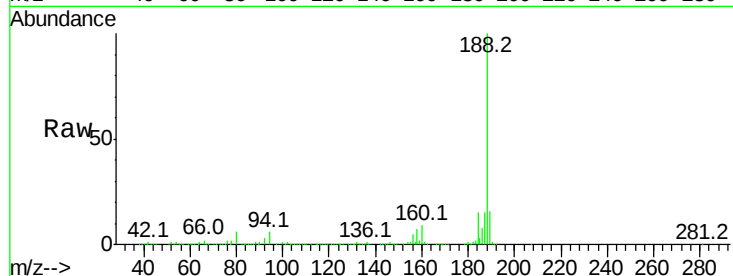




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.15 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BG031902.D
Acq: 3 Jan 2018 22:52

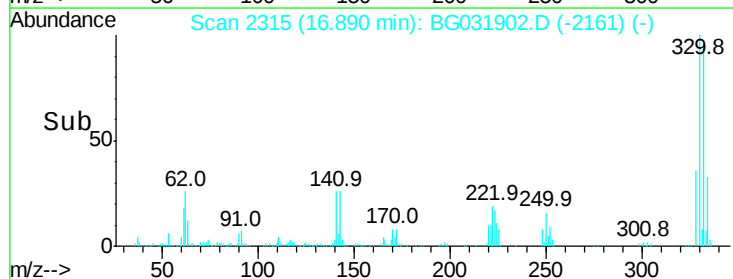
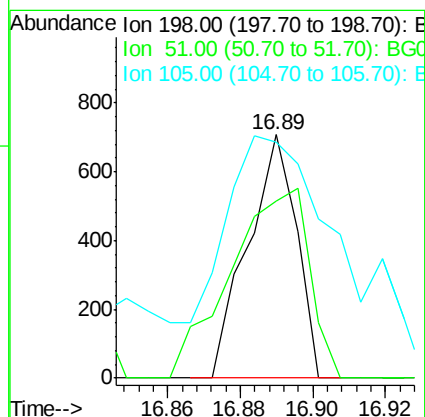
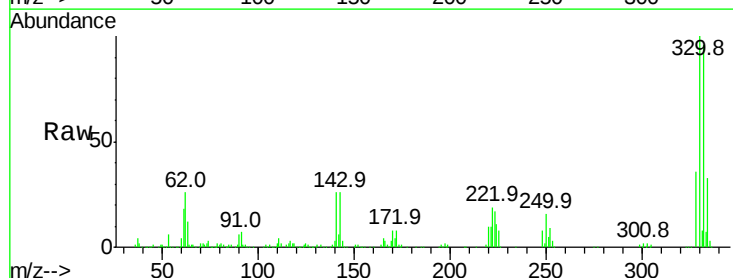
Instrument :
BNA_G
ClientSampleId :

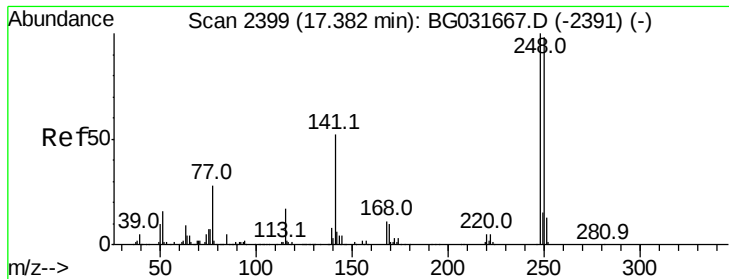
Tot Ion:188 Resp: 399627
Ion Ratio Lower Upper
188 100
94 6.2 6.9 10.3#
80 6.1 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 8.585 ng
RT: 16.89 min Scan# 2315
Delta R.T. 0.38 min
Lab File: BG031902.D
Acq: 3 Jan 2018 22:52

Tgt Ion:198 Resp: 656
Ion Ratio Lower Upper
198 100
51 72.7 30.6 70.6#
105 96.9 23.8 63.8#

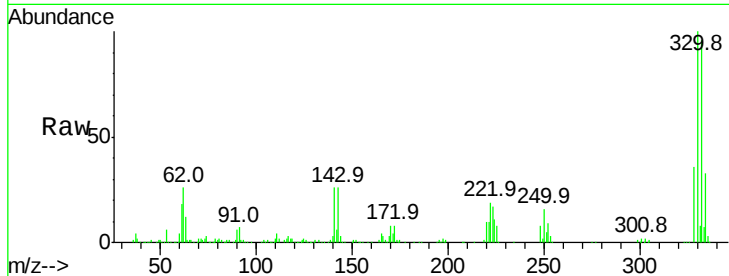




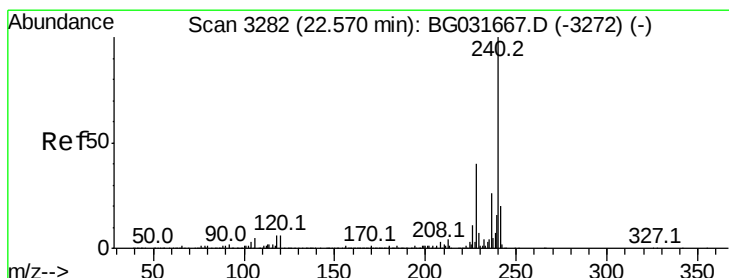
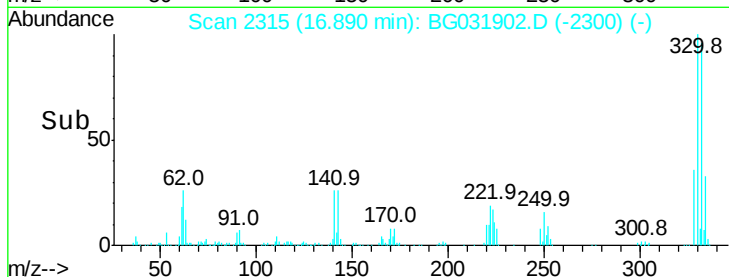
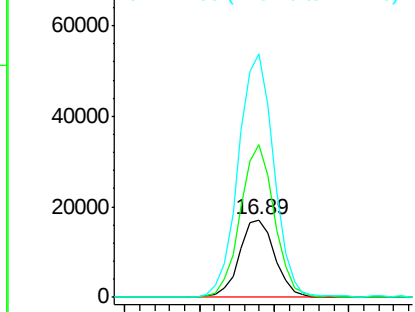
#66
4-Bromophenyl-phenylether
Concen: 4.836 ng
RT: 16.89 min Scan# 2315
Delta R.T. -0.44 min
Lab File: BG031902.D
Acq: 3 Jan 2018 22:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 27947
Ion Ratio Lower Upper
248 100
250 198.0 77.1 115.7#
141 315.1 50.8 76.2#

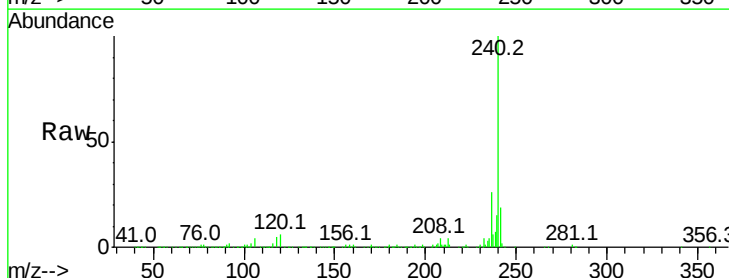


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

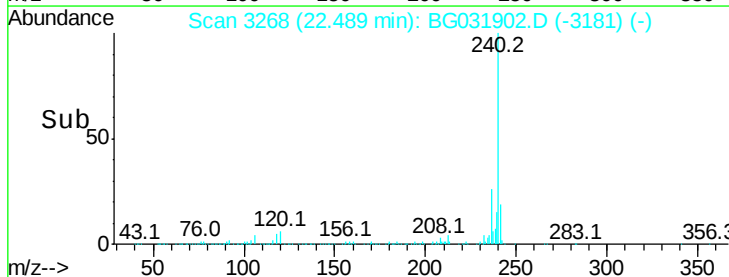
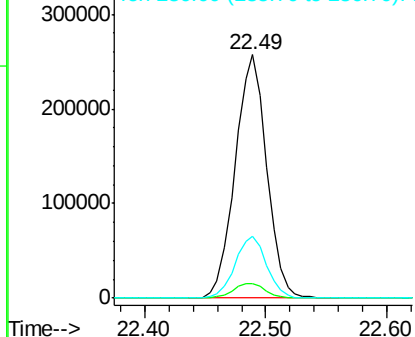


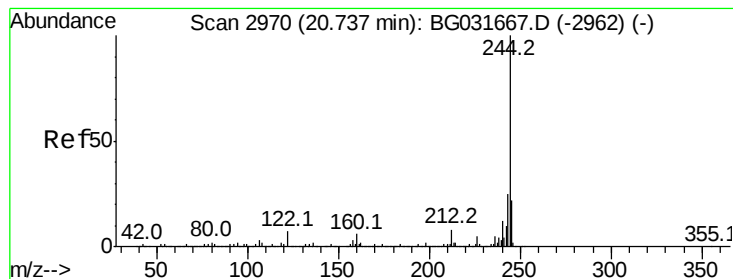
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.49 min Scan# 3268
Delta R.T. -0.02 min
Lab File: BG031902.D
Acq: 3 Jan 2018 22:52

Tgt Ion:240 Resp: 468268
Ion Ratio Lower Upper
240 100
120 6.2 6.8 10.2#
236 25.5 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: 92.688 ng

RT: 20.68 min Scan# 2960

Delta R.T. -0.01 min

Lab File: BG031902.D

Acq: 3 Jan 2018 22:52

Instrument :

BNA_G

ClientSampleId :

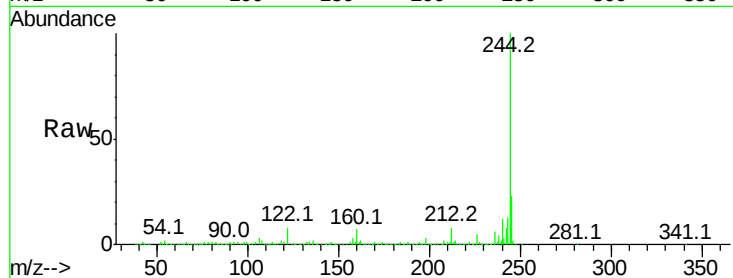
Tot Ion:244 Resp: 1899752

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

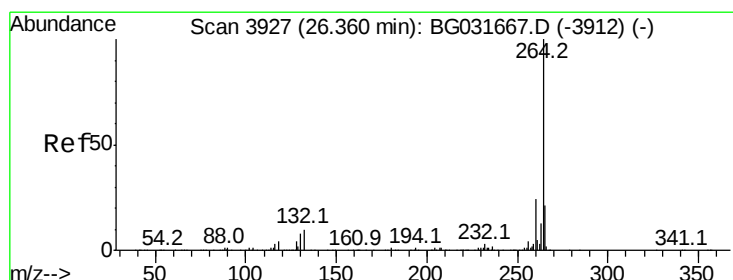
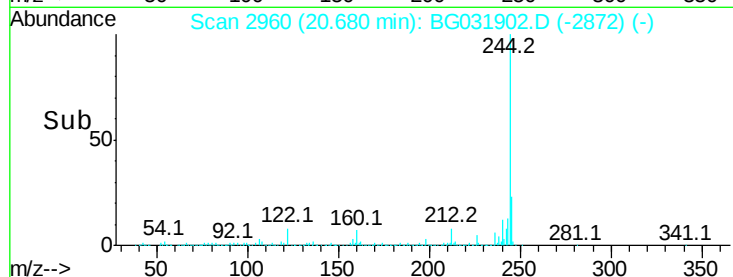
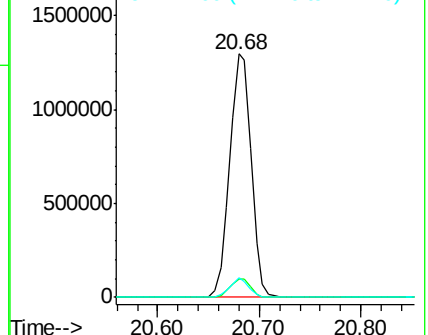
122 7.9 7.0 10.4



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: 26.22 min Scan# 3903

Delta R.T. -0.03 min

Lab File: BG031902.D

Acq: 3 Jan 2018 22:52

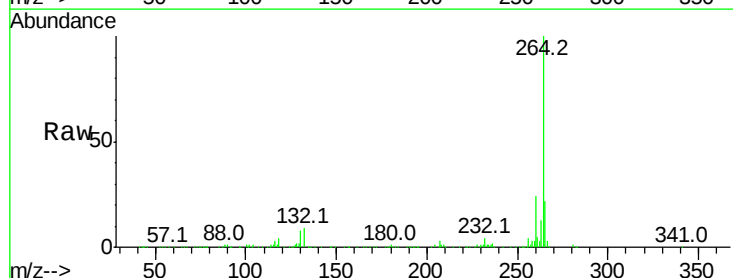
Tgt Ion:264 Resp: 492947

Ion Ratio Lower Upper

264 100

260 24.4 17.4 26.0

265 22.0 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

