

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010318\
 Data File : BG031905.D
 Acq On : 4 Jan 2018 00:45
 Operator : SJ/JU
 Sample : J1005-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 08:12:28 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	54490	20.00	ng	0.00
21) Naphthalene-d8	11.67	136	225089	20.00	ng	0.00
38) Acenaphthene-d10	15.42	164	151985	20.00	ng	-0.01
63) Phenanthrene-d10	18.15	188	377777	20.00	ng	-0.01
75) Chrysene-d12	22.49	240	427889	20.00	ng	-0.02
86) Perylene-d12	26.22	264	457805	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.21	112	423237	141.47	ng	0.00
7) Phenol-d6	7.89	99	512183	131.86	ng	0.00
23) Nitrobenzene-d5	9.99	82	324499	108.86	ng	0.00
41) 2,4,6-Tribromophenol	16.89	330	378286	163.12	ng	0.00
44) 2-Fluorobiphenyl	14.05	172	1145695	94.61	ng	0.00
78) Terphenyl-d14	20.68	244	1533191	81.86	ng	-0.01

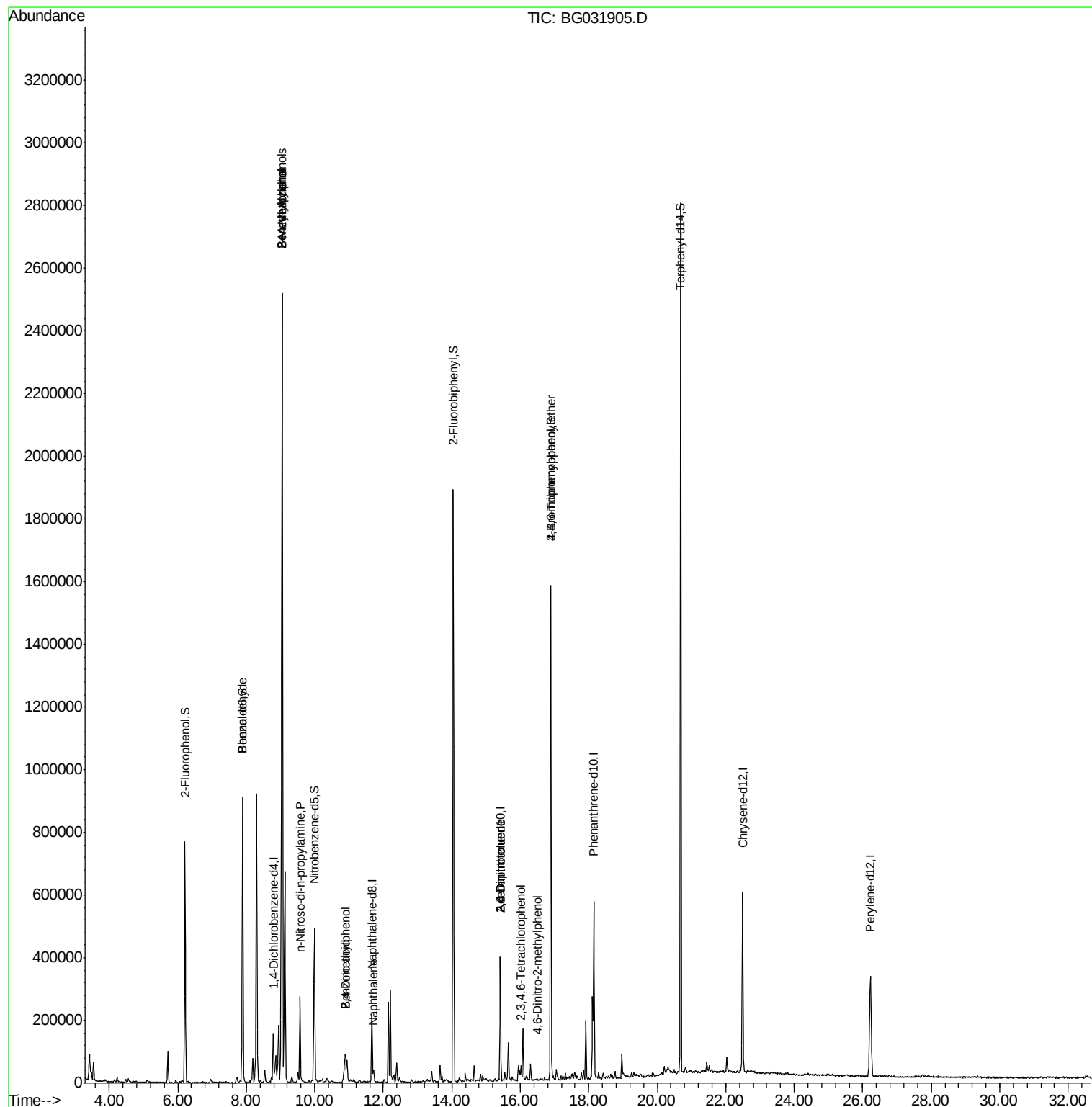
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.89	77	97533	41.702	ng	80
15) Benzyl Alcohol	9.05	79	1159853	397.777	ng	89
17) 2-Methylphenol	9.05	107	694738	247.600	ng	# 19
19) n-Nitroso-di-n-propylamine	9.57	70	10710	4.037	ng	# 59
20) 3+4-Methylphenols	9.05	107	466620	117.010	ng	# 1
27) 2,4-Dimethylphenol	10.90	122	73724	21.750	ng	# 1
31) Naphthalene	11.73	128	37382	3.291	ng	100
32) Benzoic acid	10.90	122	73724	34.141	ng	# 76
50) 2,6-Dinitrotoluene	15.42	165	20102	8.161	ng	# 18
56) 2,4-Dinitrotoluene	15.42	165	20102	6.347	ng	# 16
58) 2,3,4,6-Tetrachlorophenol	16.02	232	13393	3.356	ng	# 88
64) 4,6-Dinitro-2-methylphenol	16.50	198	300	8.441	ng	# 1
66) 4-Bromophenyl-phenylether	16.89	248	30749	5.629	ng	# 1

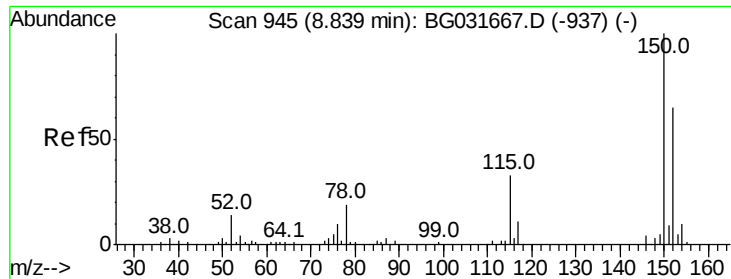
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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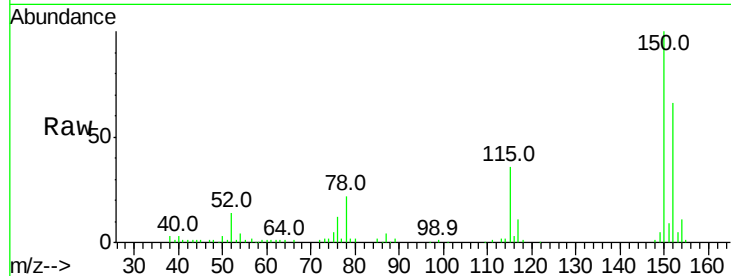


#1

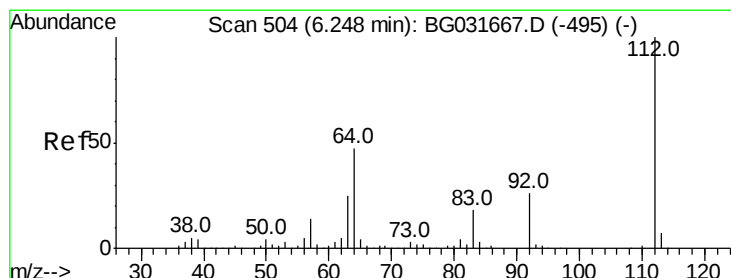
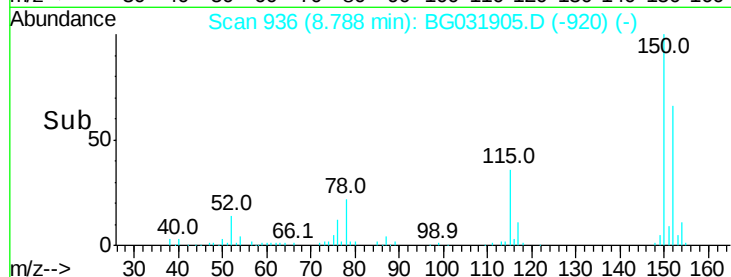
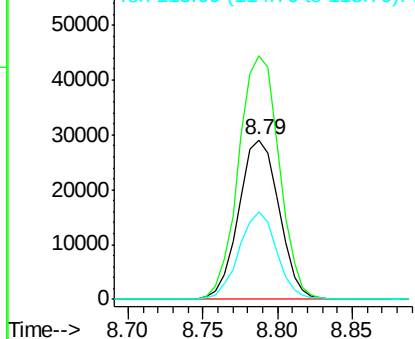
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.79 min Scan# 936
Delta R.T. -0.01 min
Lab File: BG031905.D
Acq: 4 Jan 2018 00:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 54490
Ion Ratio Lower Upper
152 100
150 152.4 126.6 189.8
115 54.9 53.0 79.4



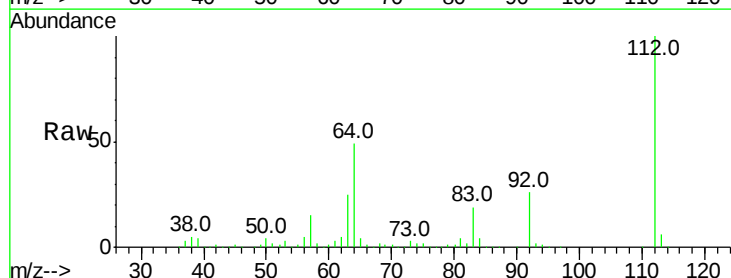
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



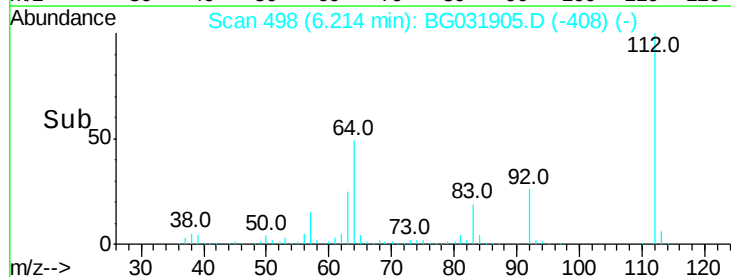
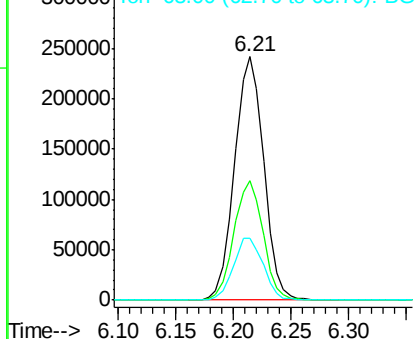
#5

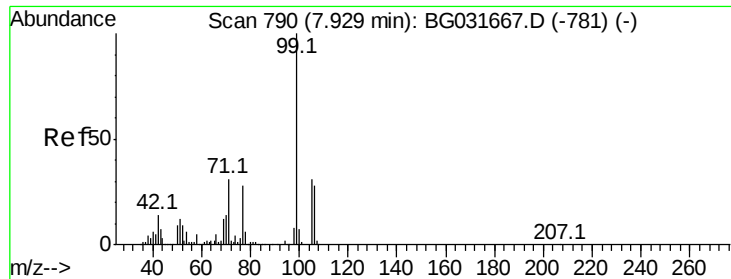
2-Fluorophenol
Concen: 141.471 ng
RT: 6.21 min Scan# 498
Delta R.T. 0.00 min
Lab File: BG031905.D
Acq: 4 Jan 2018 00:45

Tgt Ion:112 Resp: 423237
Ion Ratio Lower Upper
112 100
64 48.9 56.3 84.5#
63 25.4 30.1 45.1#



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: 131.864 ng

RT: 7.89 min Scan# 784

Delta R.T. 0.00 min

Lab File: BG031905.D

Acq: 4 Jan 2018 00:45

Instrument :

BNA_G

ClientSampleId :

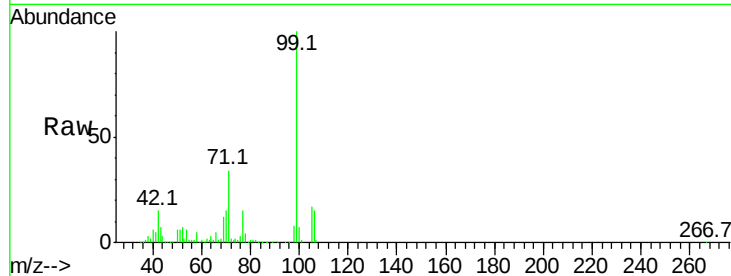
Tot Ion: 99 Resp: 512183

Ion Ratio Lower Upper

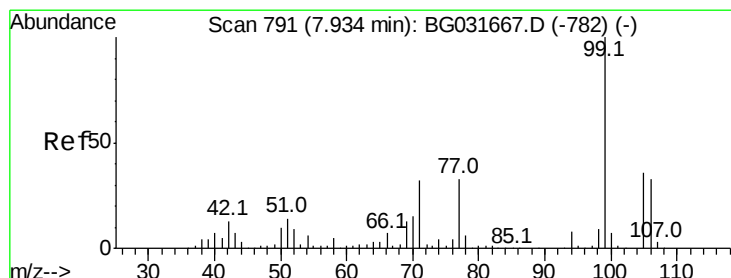
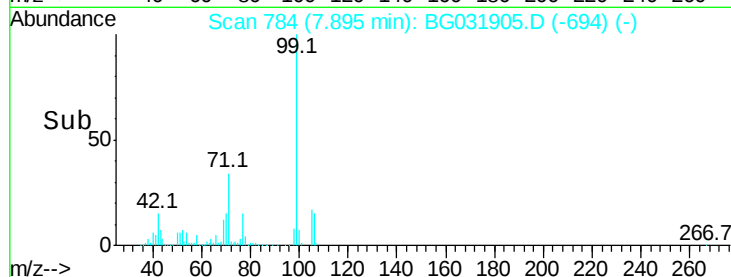
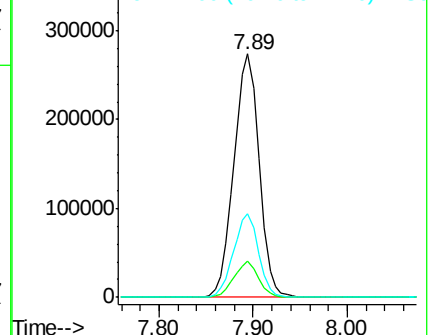
99 100

42 14.9 14.1 21.1

71 34.1 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: 41.702 ng

RT: 7.89 min Scan# 783

Delta R.T. 0.00 min

Lab File: BG031905.D

Acq: 4 Jan 2018 00:45

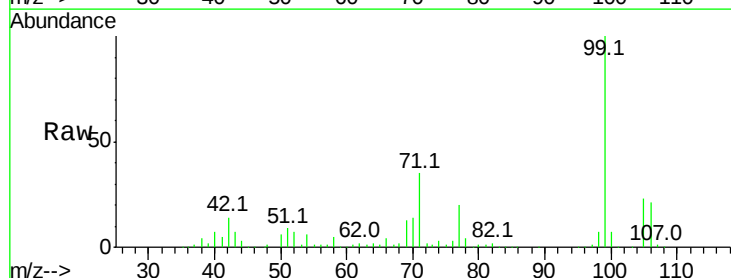
Tgt Ion: 77 Resp: 97533

Ion Ratio Lower Upper

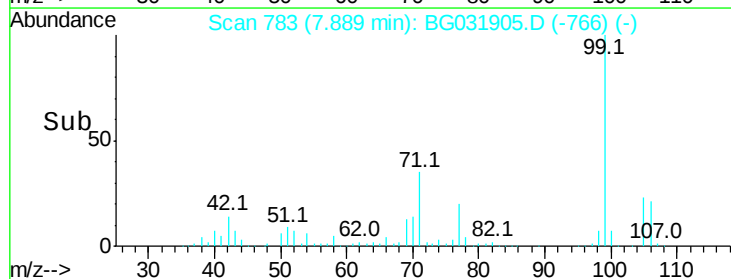
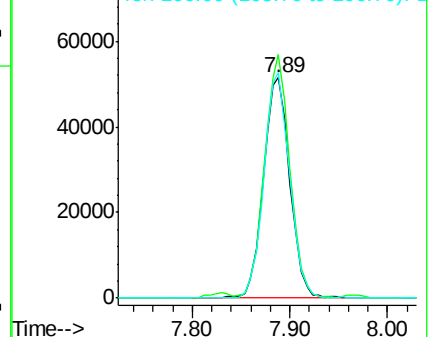
77 100

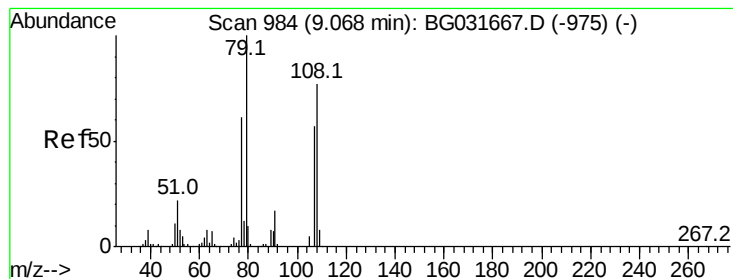
105 110.6 71.3 111.3

106 102.4 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





#15

Benzyl Alcohol

Concen: 397.777 ng

RT: 9.05 min Scan# 981

Delta R.T. 0.03 min

Lab File: BG031905.D

Acq: 4 Jan 2018 00:45

Instrument :

BNA_G

ClientSampleId :

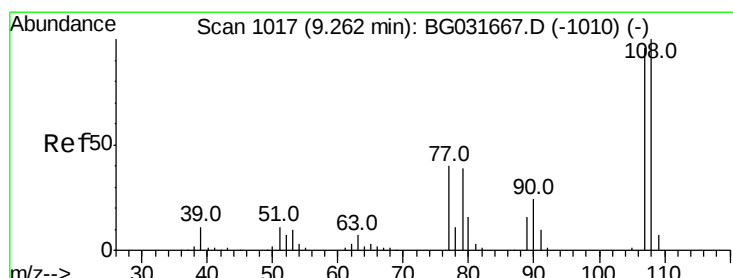
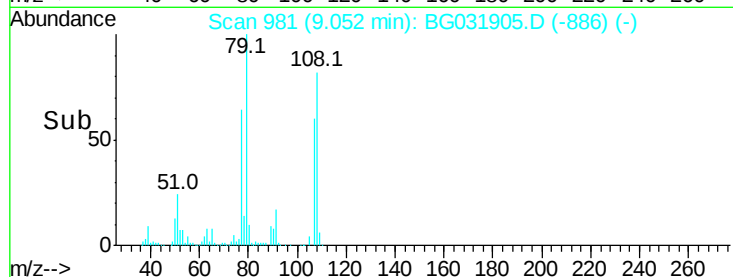
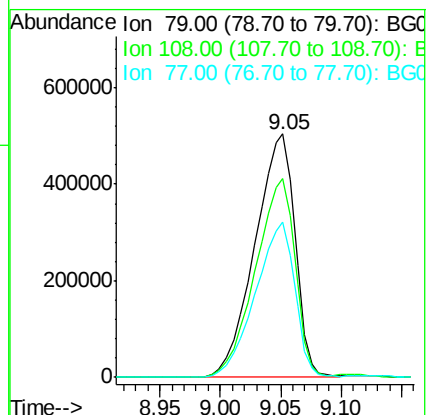
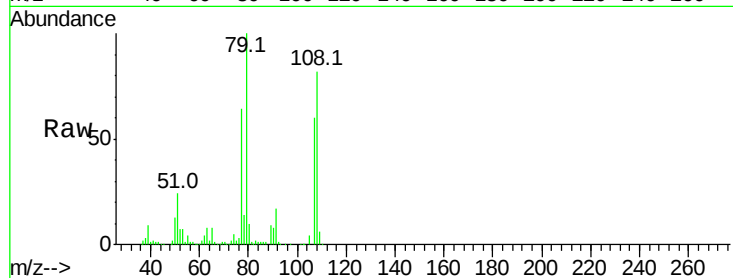
Tot Ion: 79 Resp: 1159853

Ion Ratio Lower Upper

79 100

108 81.6 57.2 85.8

77 63.8 46.1 69.1



#17

2-Methylphenol

Concen: 247.600 ng

RT: 9.05 min Scan# 981

Delta R.T. -0.17 min

Lab File: BG031905.D

Acq: 4 Jan 2018 00:45

Tgt Ion: 107 Resp: 694738

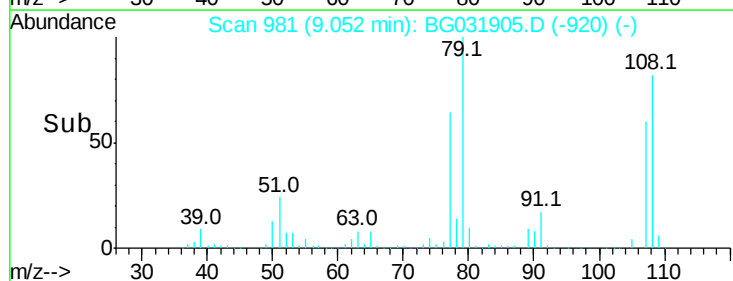
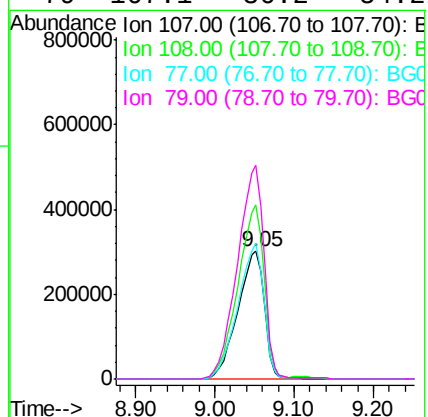
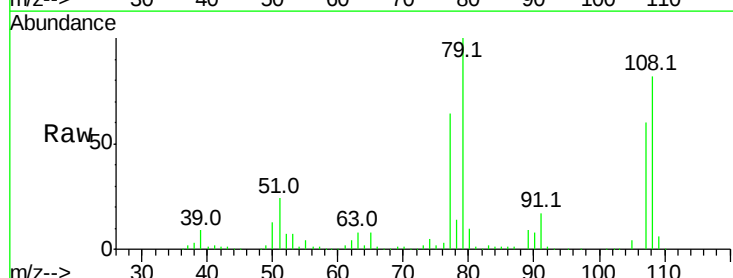
Ion Ratio Lower Upper

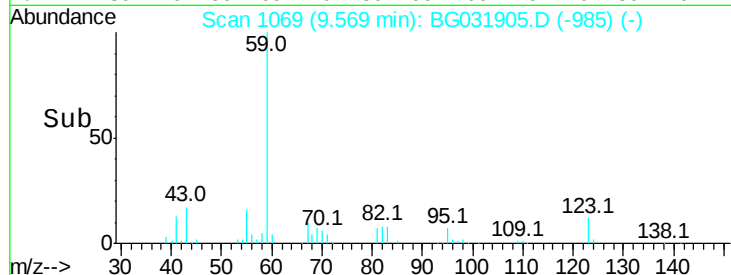
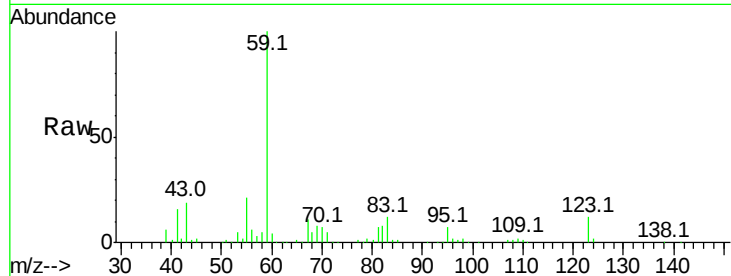
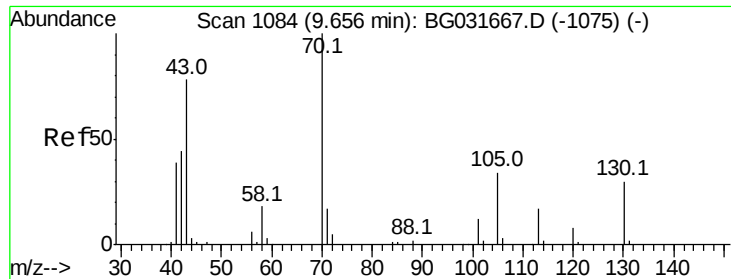
107 100

108 136.4 83.9 125.9#

77 106.6 37.2 55.8#

79 167.1 36.2 54.2#

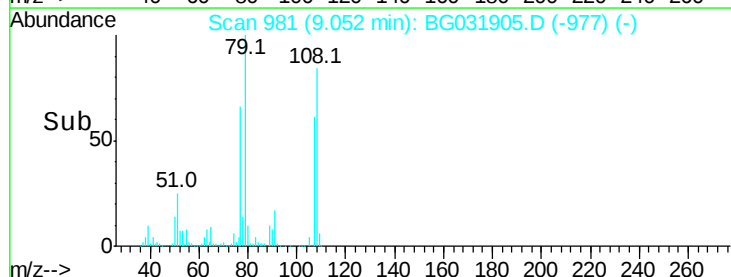
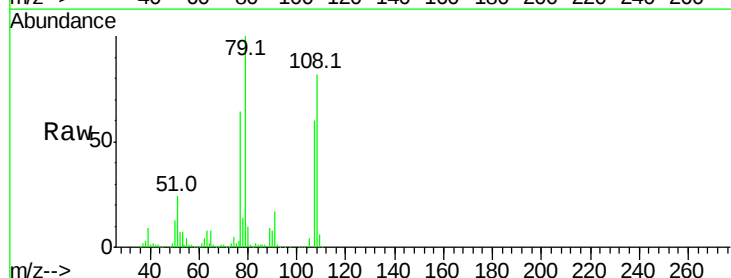
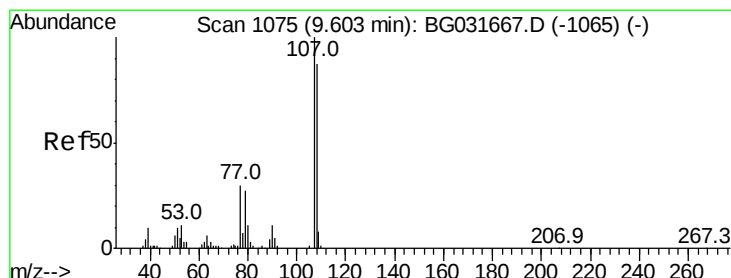
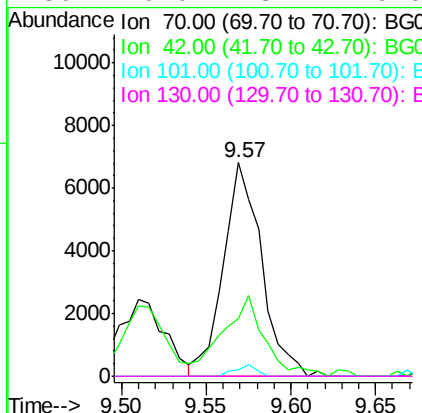




#19
n-Nitroso-di-n-propylamine
Concen: 4.037 ng
RT: 9.57 min Scan# 1069
Delta R.T. -0.03 min
Lab File: BG031905.D
Acq: 4 Jan 2018 00:45

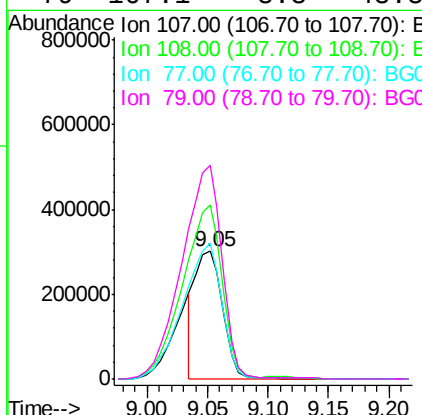
Instrument :
BNA_G
ClientSampleId :

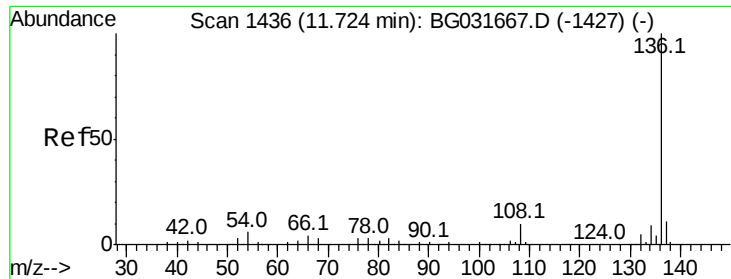
Tot Ion: 70 Resp: 10710
Ion Ratio Lower Upper
70 100
42 26.9 49.1 73.7#
101 3.2 8.5 12.7#
130 0.0 13.4 20.0#



#20
3+4-Methylphenols
Concen: 117.010 ng
RT: 9.05 min Scan# 981
Delta R.T. -0.50 min
Lab File: BG031905.D
Acq: 4 Jan 2018 00:45

Tgt Ion: 107 Resp: 466620
Ion Ratio Lower Upper
107 100
108 136.4 61.6 101.6#
77 106.6 13.9 53.9#
79 167.1 8.8 48.8#

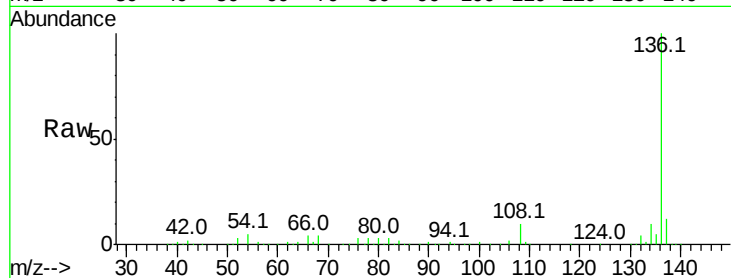




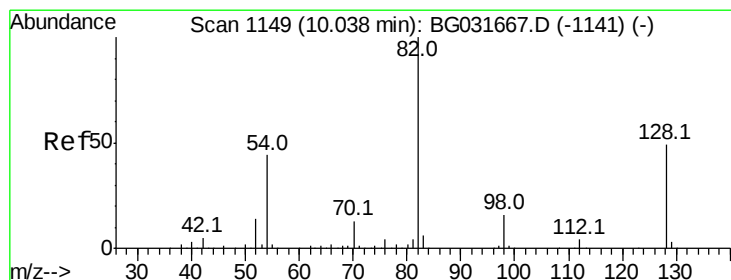
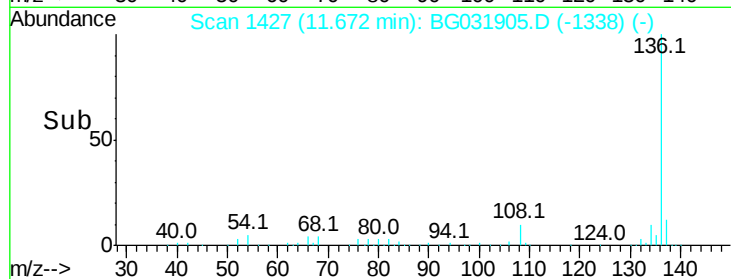
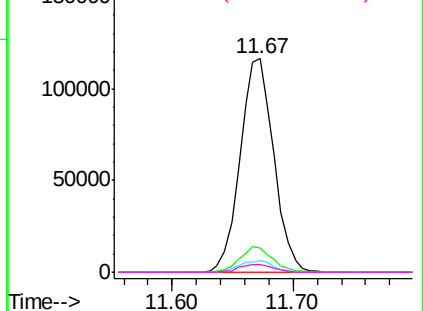
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.67 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BG031905.D
Acq: 4 Jan 2018 00:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	225089
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	5.3	10.3	15.5#
68	3.7	4.5	6.7#

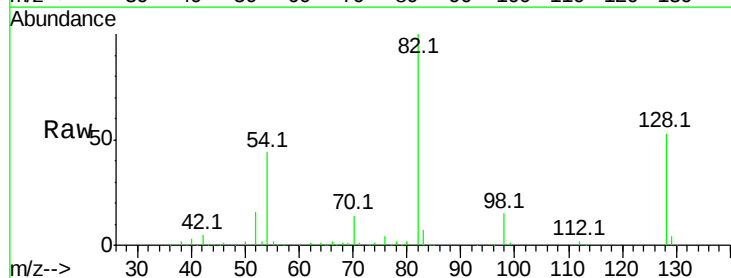


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

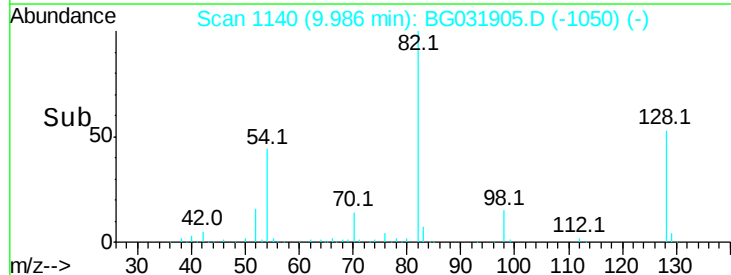
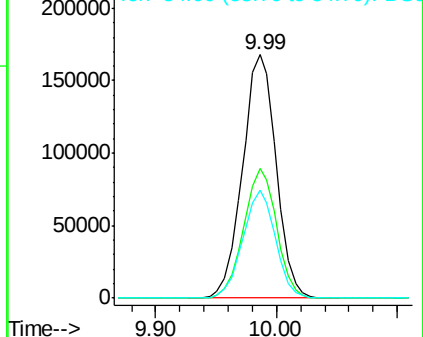


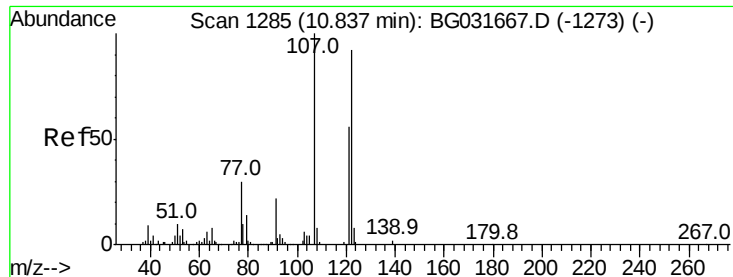
#23
Nitrobenzene-d5
Concen: 108.862 ng
RT: 9.99 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BG031905.D
Acq: 4 Jan 2018 00:45

Tgt Ion:	82	Resp:	324499
Ion	Ratio	Lower	Upper
82	100		
128	53.2	29.7	44.5#
54	44.4	43.1	64.7



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

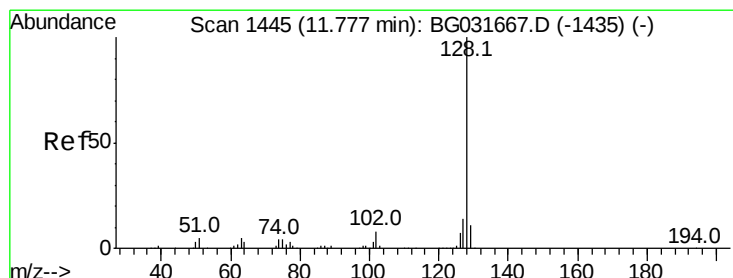
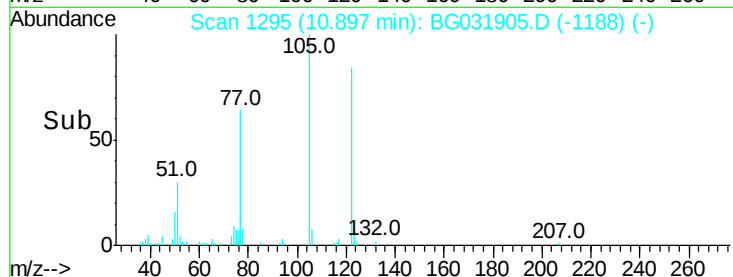
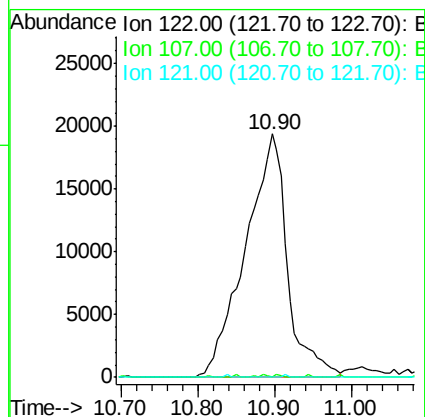
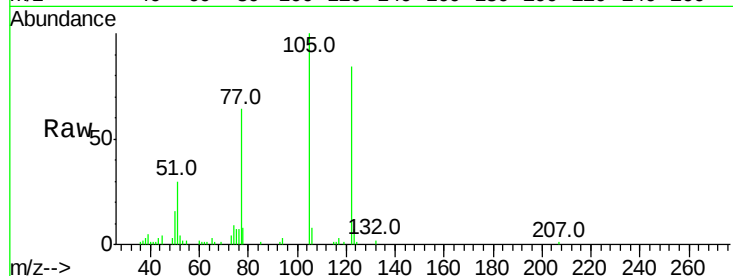




#27
2,4-Dimethylphenol
Concen: 21.750 ng
RT: 10.90 min Scan# 1295
Delta R.T. 0.10 min
Lab File: BG031905.D
Acq: 4 Jan 2018 00:45

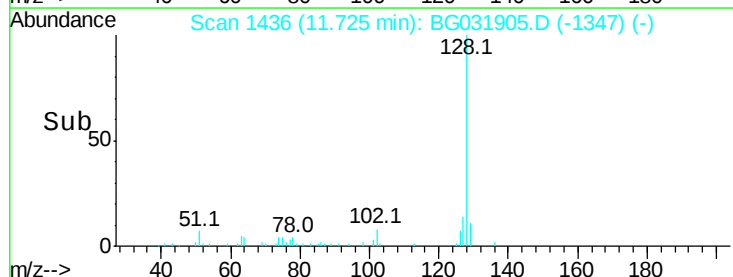
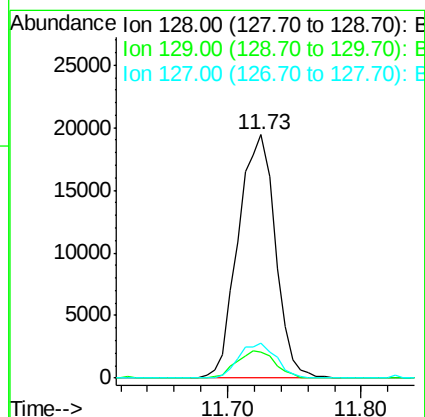
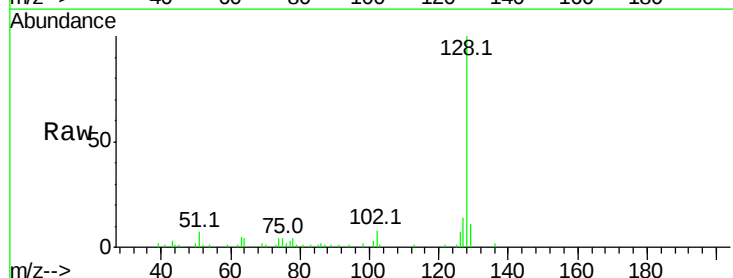
Instrument :
BNA_G
ClientSampleId :

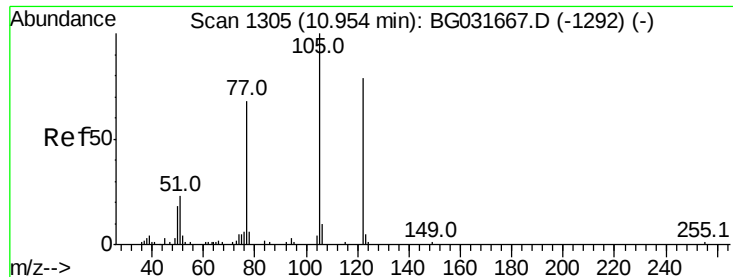
Tot Ion:122 Resp: 73724
Ion Ratio Lower Upper
122 100
107 0.0 100.2 150.2#
121 0.0 44.4 66.6#



#31
Naphthalene
Concen: 3.291 ng
RT: 11.73 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BG031905.D
Acq: 4 Jan 2018 00:45

Tgt Ion:128 Resp: 37382
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 14.4 11.6 17.4

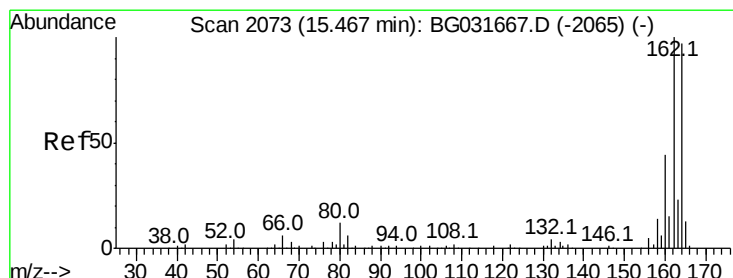
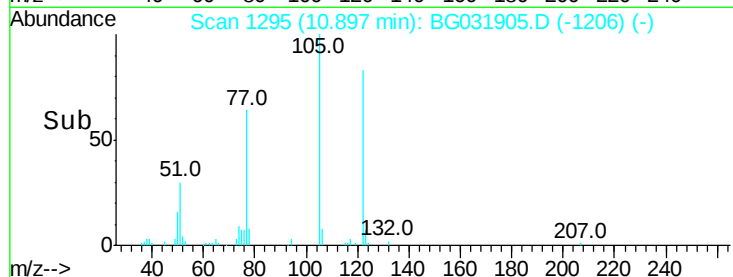
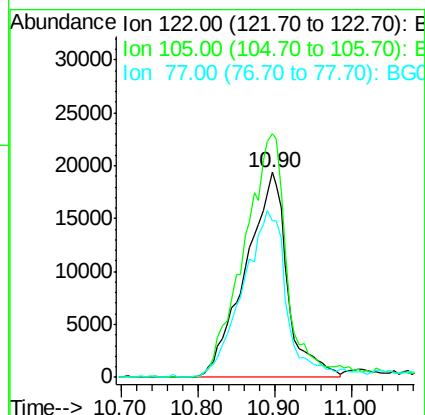
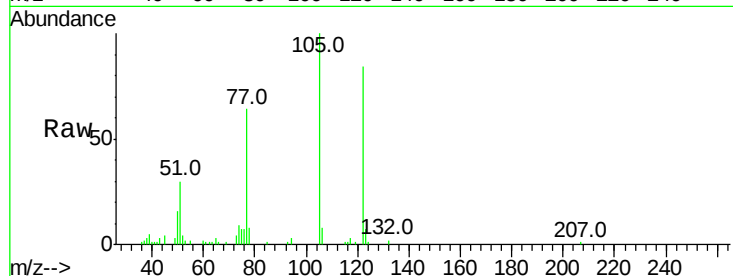




#32
Benzoic acid
Concen: 34.141 ng
RT: 10.90 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BG031905.D
Acq: 4 Jan 2018 00:45

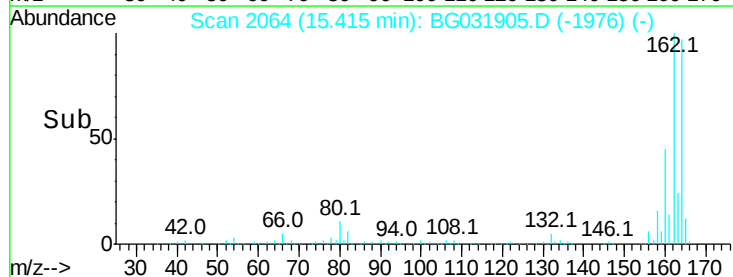
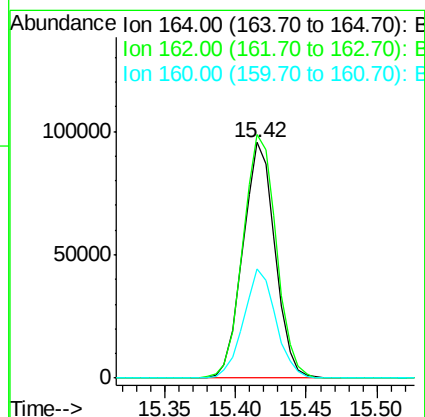
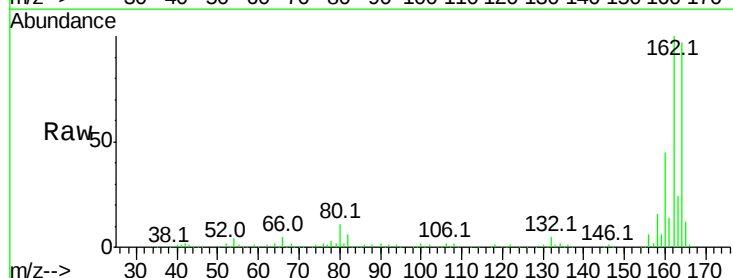
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ClientSampleId :

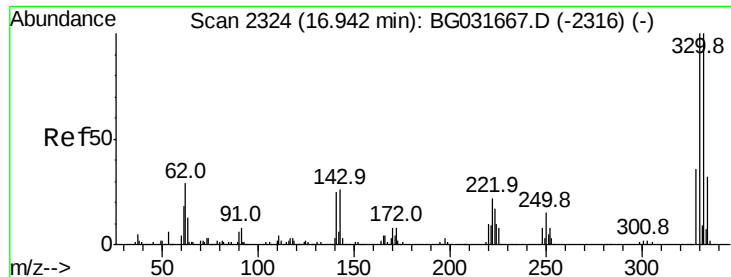
Tot Ion:122 Resp: 73724
Ion Ratio Lower Upper
122 100
105 118.7 123.5 163.5#
77 76.4 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.42 min Scan# 2064
Delta R.T. -0.01 min
Lab File: BG031905.D
Acq: 4 Jan 2018 00:45

Tgt Ion:164 Resp: 151985
Ion Ratio Lower Upper
164 100
162 103.3 78.8 118.2
160 46.2 35.4 53.0

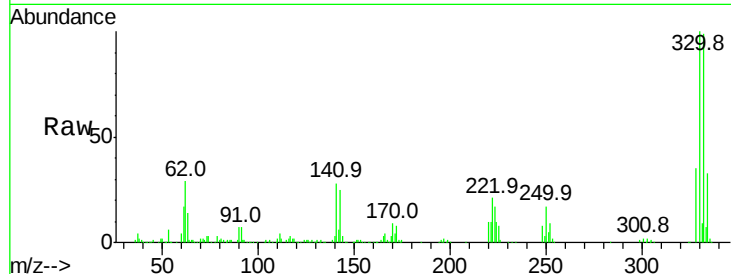




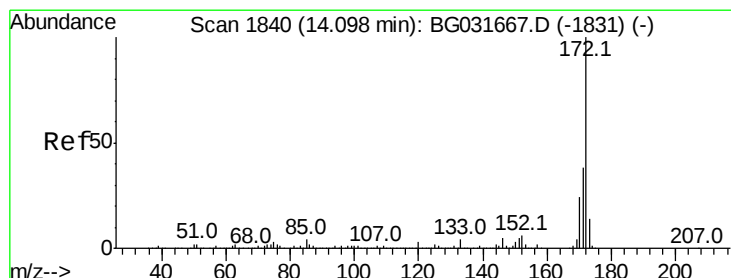
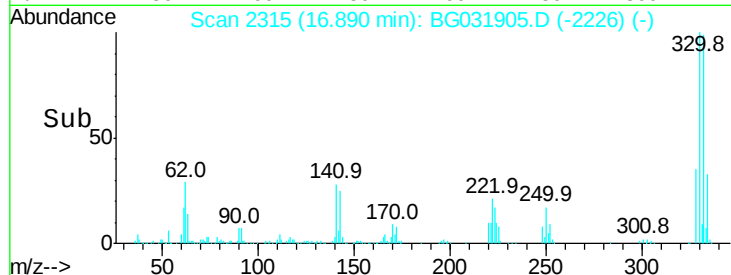
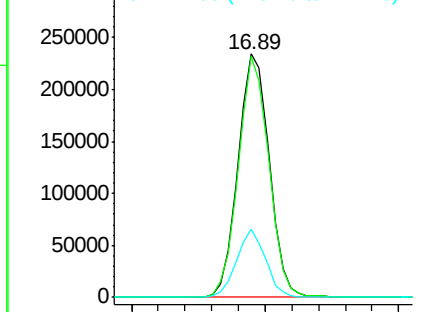
#41
 2,4,6-Tribromophenol
 Concen: 163.119 ng
 RT: 16.89 min Scan# 2315
 Delta R.T. -0.01 min
 Lab File: BG031905.D
 Acq: 4 Jan 2018 00:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	26.0	25.2	37.8

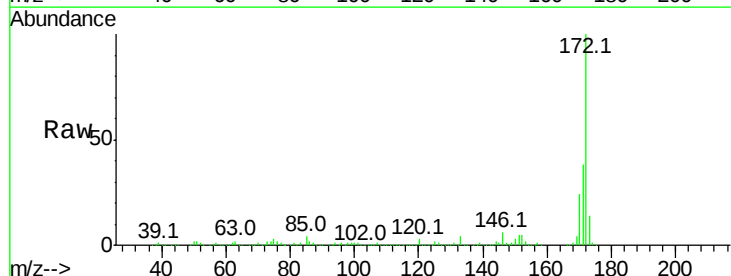


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

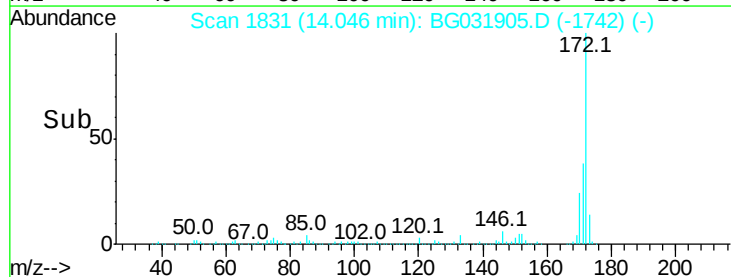
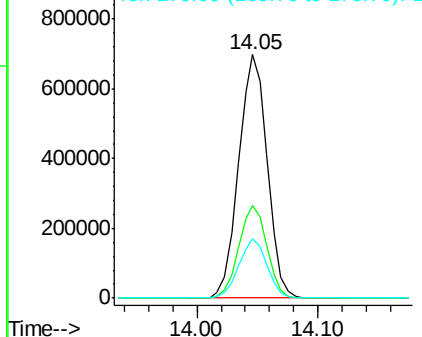


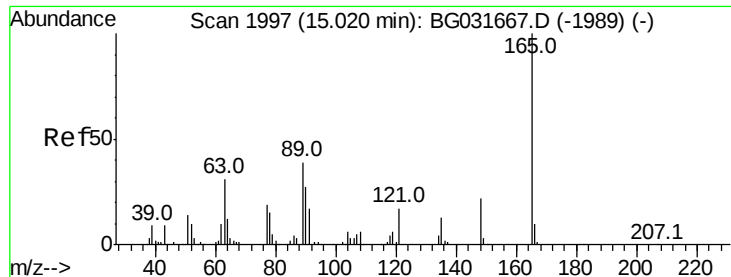
#44
 2-Fluorobiphenyl
 Concen: 94.615 ng
 RT: 14.05 min Scan# 1831
 Delta R.T. -0.01 min
 Lab File: BG031905.D
 Acq: 4 Jan 2018 00:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.0	45.0
170	24.2	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

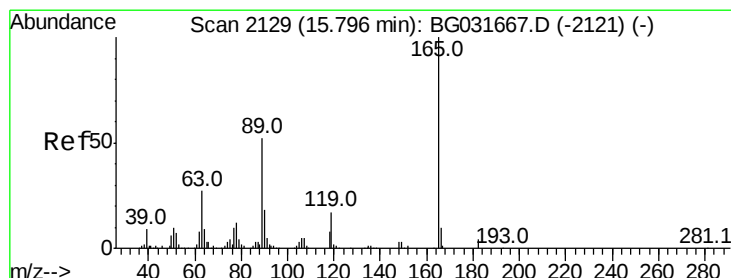
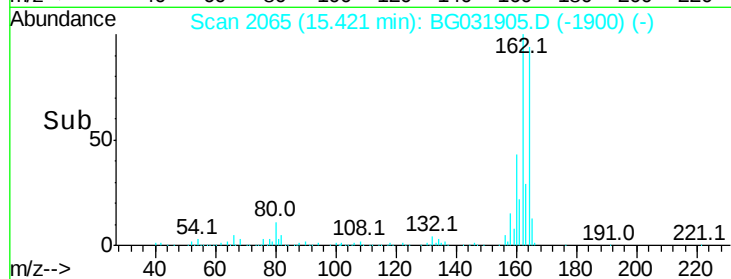
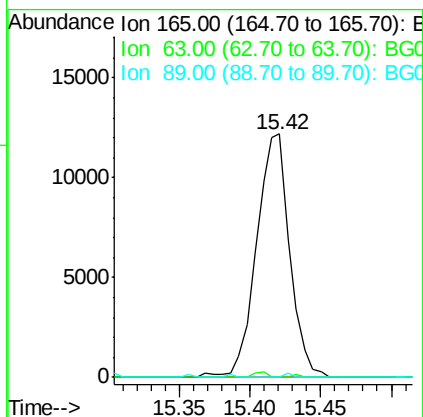
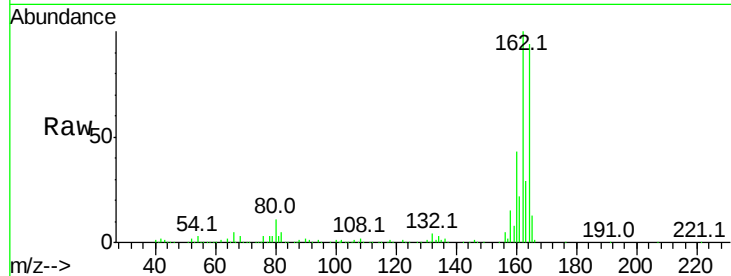




#50
2,6-Dinitrotoluene
Concen: 8.161 ng
RT: 15.42 min Scan# 2065
Delta R.T. 0.44 min
Lab File: BG031905.D
Acq: 4 Jan 2018 00:45

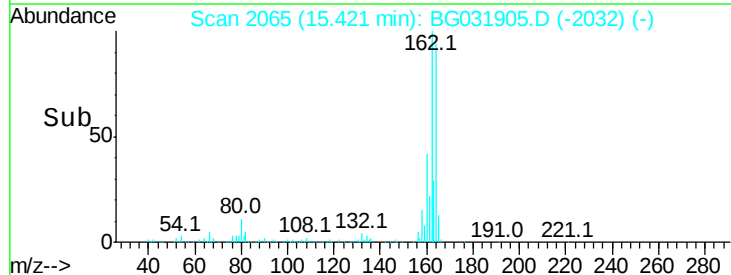
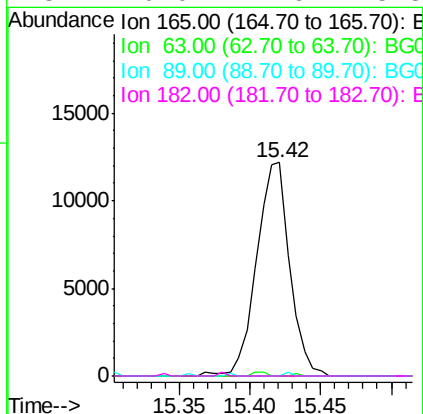
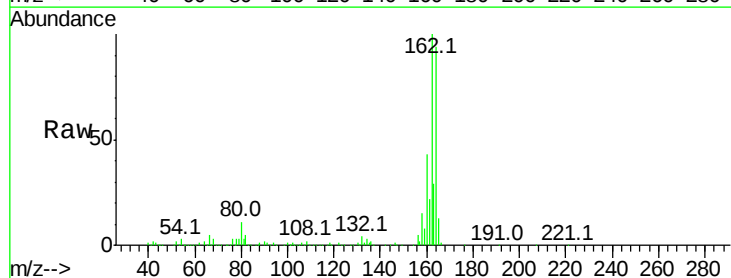
Instrument :
BNA_G
ClientSampleId :

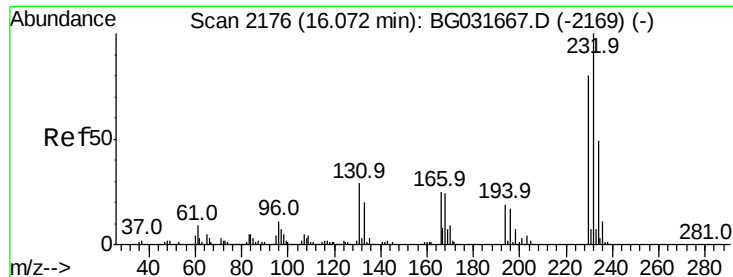
Tot Ion:165 Resp: 20102
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 6.347 ng
RT: 15.42 min Scan# 2065
Delta R.T. -0.33 min
Lab File: BG031905.D
Acq: 4 Jan 2018 00:45

Tgt Ion:165 Resp: 20102
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#

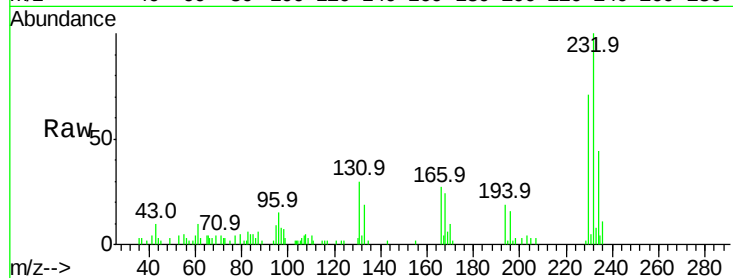




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 3.356 ng
 RT: 16.02 min Scan# 2167
 Delta R.T. -0.01 min
 Lab File: BG031905.D
 Acq: 4 Jan 2018 00:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	232	Resp:	13393
Ion	Ratio	Lower	Upper
232	100		
131	31.3	33.5	50.3#
130	2.2	2.2	3.2
166	27.6	24.8	37.2

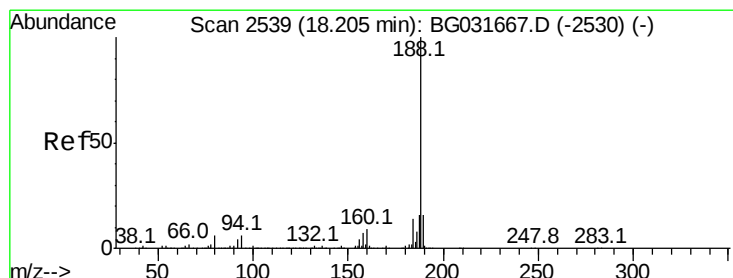
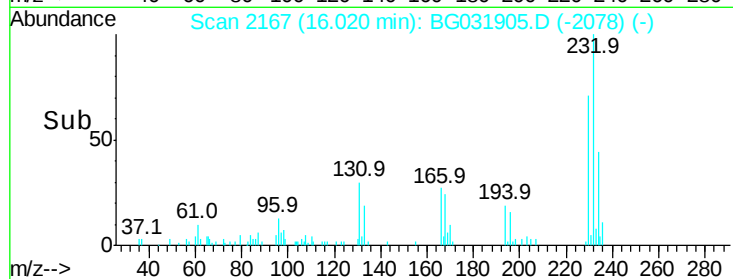
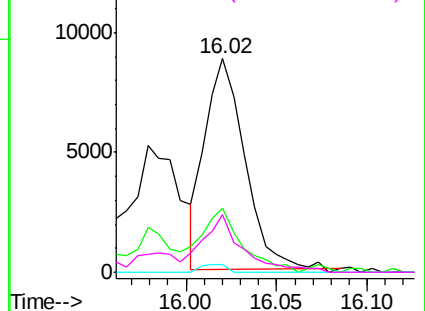


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

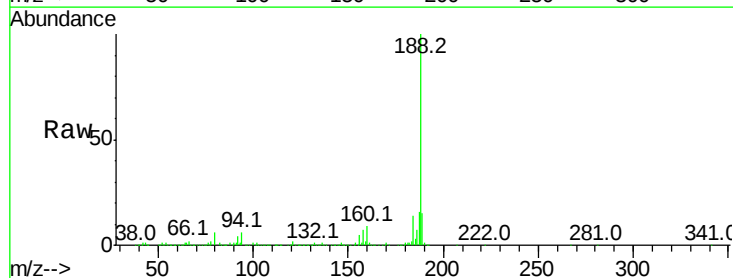
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.15 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BG031905.D
 Acq: 4 Jan 2018 00:45

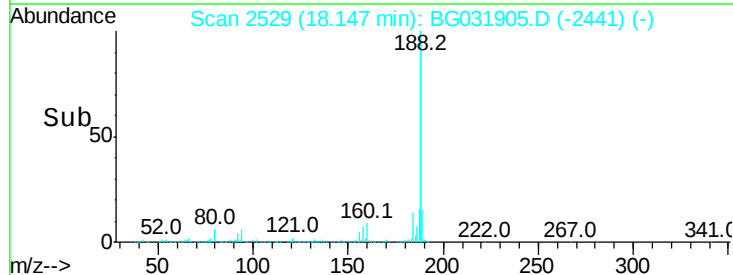
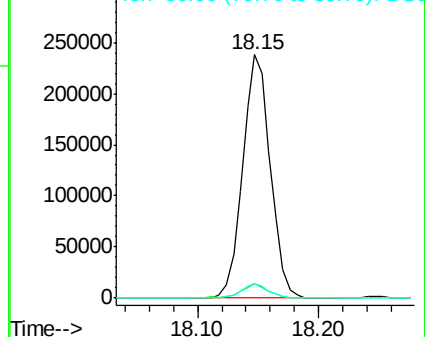
Tgt Ion:	188	Resp:	377777
Ion	Ratio	Lower	Upper
188	100		
94	6.0	6.9	10.3#
80	6.1	7.7	11.5#

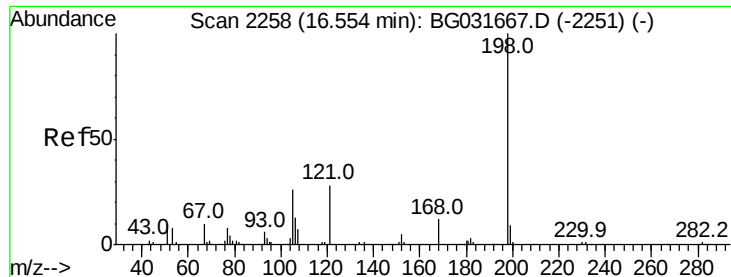


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#64

4,6-Dinitro-2-methylphenol

Concen: 8.441 ng

RT: 16.50 min Scan# 2248

Delta R.T. -0.02 min

Lab File: BG031905.D

Acq: 4 Jan 2018 00:45

Instrument :

BNA_G

ClientSampleId :

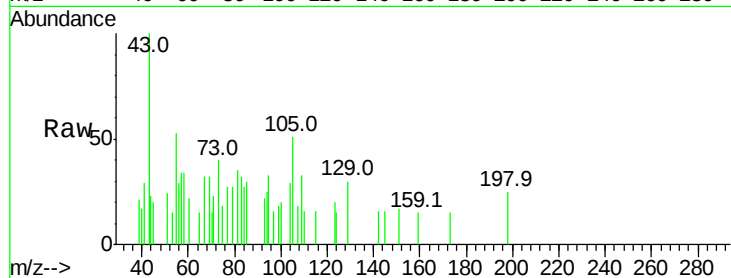
Tot Ion:198 Resp: 300

Ion Ratio Lower Upper

198 100

51 95.1 30.6 70.6#

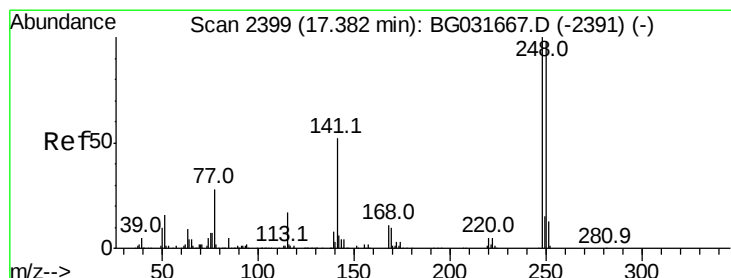
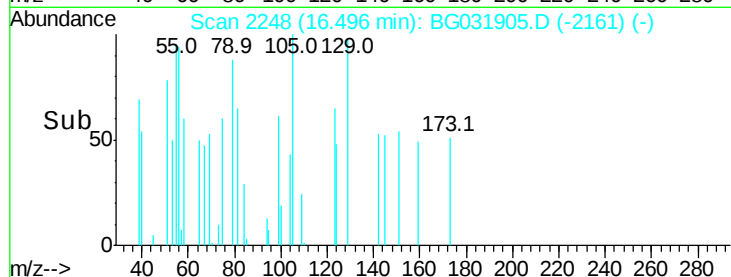
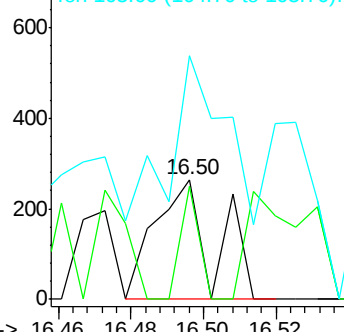
105 203.8 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 5.629 ng

RT: 16.89 min Scan# 2315

Delta R.T. -0.44 min

Lab File: BG031905.D

Acq: 4 Jan 2018 00:45

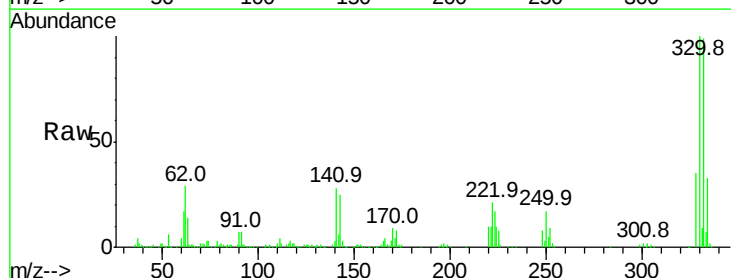
Tgt Ion:248 Resp: 30749

Ion Ratio Lower Upper

248 100

250 199.5 77.1 115.7#

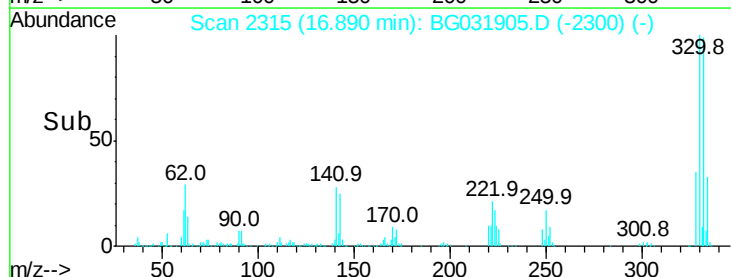
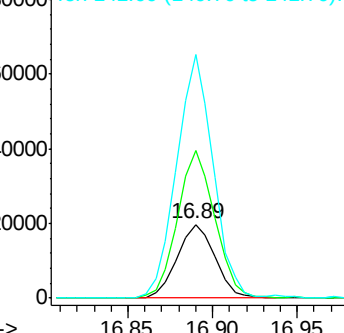
141 330.0 50.8 76.2#

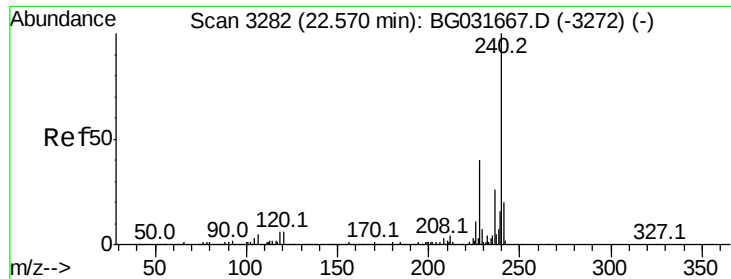


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG031905.D

Acq: 4 Jan 2018 00:45

Instrument :

BNA_G

ClientSampleId :

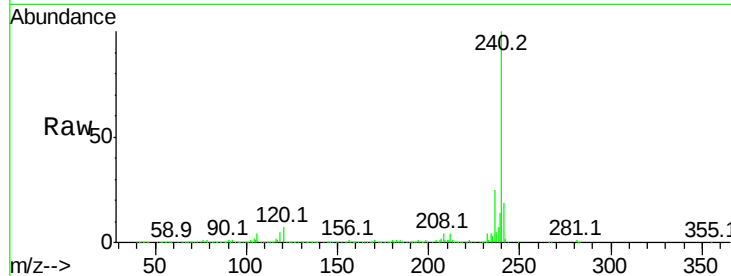
Tot Ion:240 Resp: 427889

Ion Ratio Lower Upper

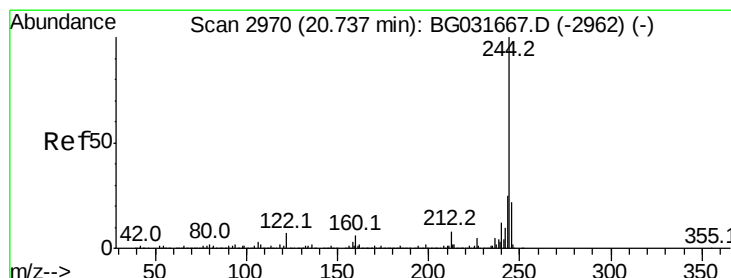
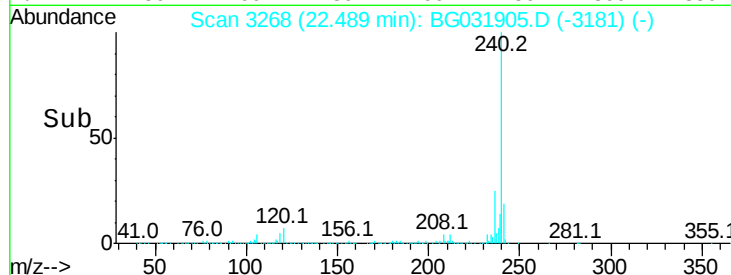
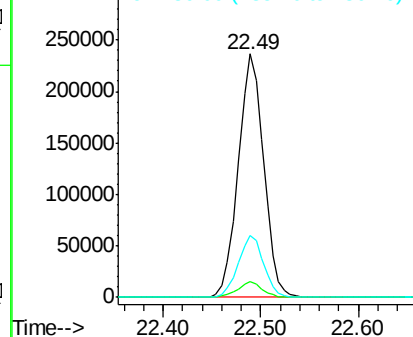
240 100

120 6.6 6.8 10.2#

236 25.2 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: 81.862 ng

RT: 20.68 min Scan# 2960

Delta R.T. -0.01 min

Lab File: BG031905.D

Acq: 4 Jan 2018 00:45

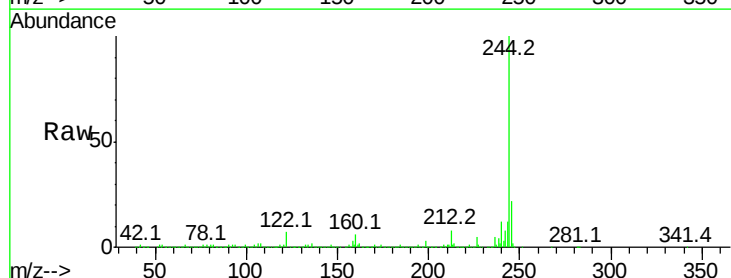
Tgt Ion:244 Resp: 1533191

Ion Ratio Lower Upper

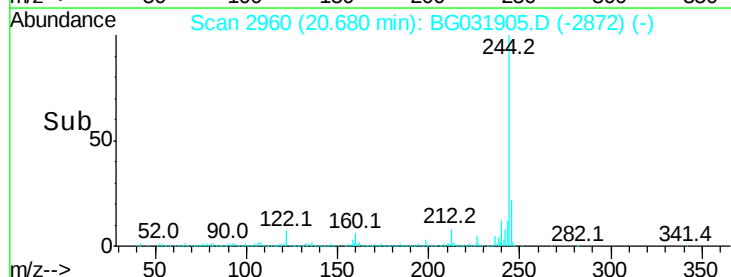
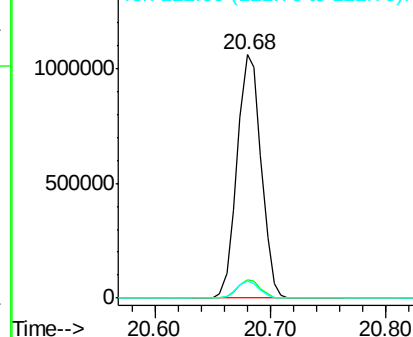
244 100

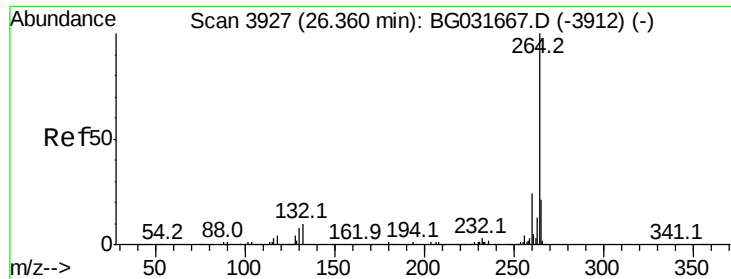
212 7.7 5.8 8.8

122 7.0 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

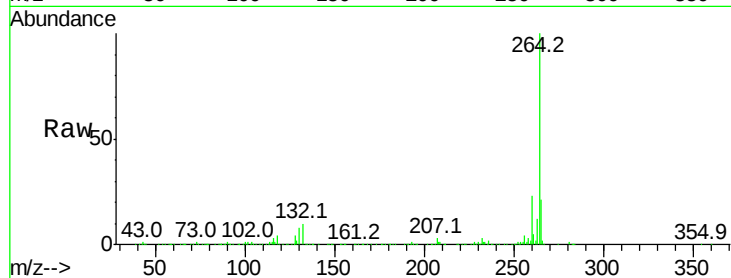




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.22 min Scan# 3903
Delta R.T. -0.03 min
Lab File: BG031905.D
Acq: 4 Jan 2018 00:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.0
265	21.3	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

