

Data Path : U:\HPCHEM1\BNA G\DATA\BG012518\
 Data File : BG032308.D
 Acq On : 26 Jan 2018 00:18
 Operator : SJ/JU
 Sample : J1289-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 26 01:25:59 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 24 14:02:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.73	152	32402	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	126351	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	102289	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	295215	20.00	ng	0.00
75) Chrysene-d12	22.42	240	362772	20.00	ng	0.00
86) Perylene-d12	26.10	264	381591	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.15	112	234363	132.29	ng	0.00
7) Phenol-d6	7.84	99	296488	132.88	ng	0.00
23) Nitrobenzene-d5	9.92	82	185449	99.30	ng	0.00
41) 2,4,6-Tribromophenol	16.84	330	243945	144.12	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	639272	77.49	ng	0.00
78) Terphenyl-d14	20.63	244	1339133	81.51	ng	0.00

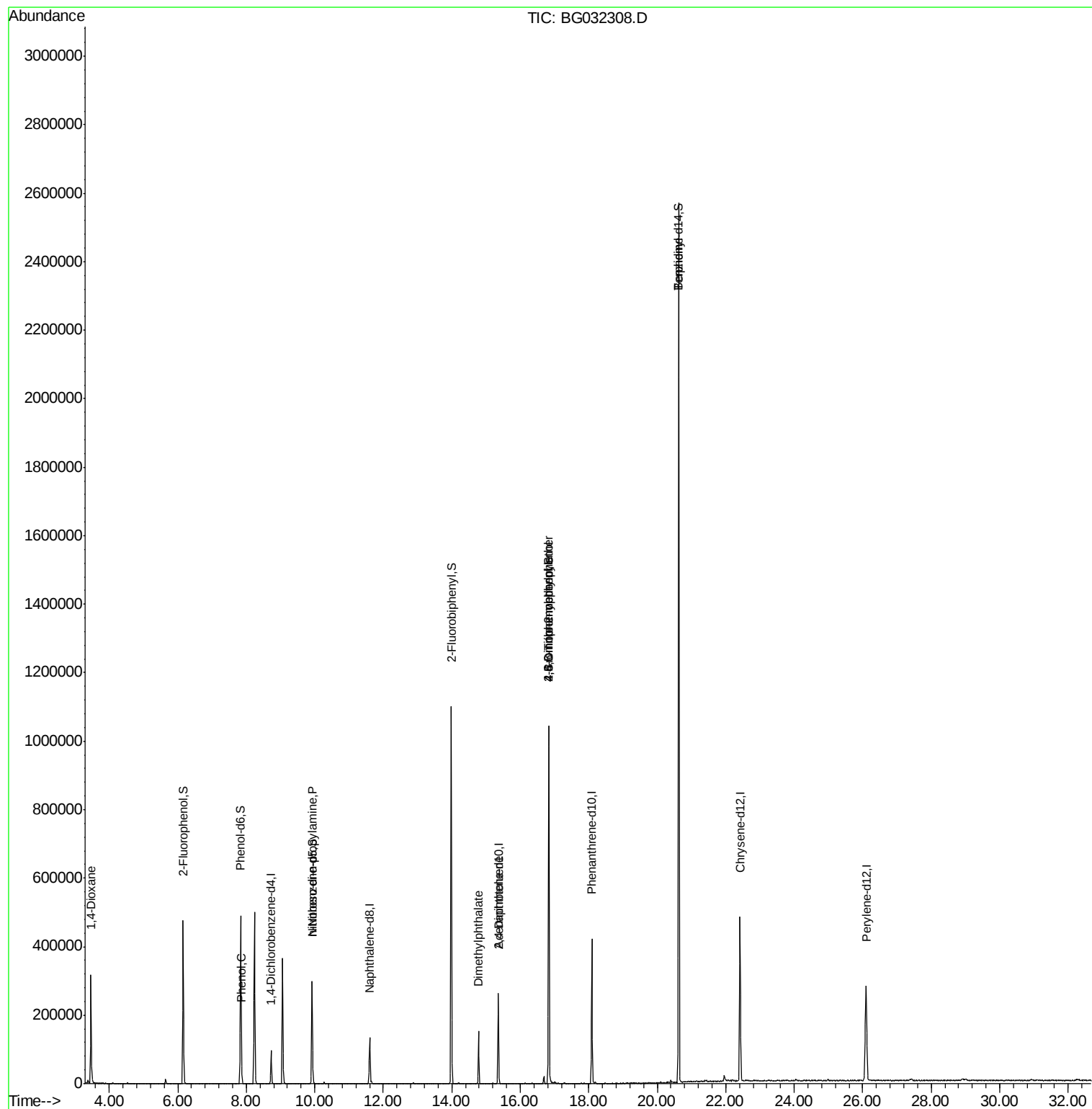
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.46	88	3232	4.749	ng	# 1
10) Phenol	7.86	94	9444	4.297	ng	# 83
19) n-Nitroso-di-n-propylamine	9.92	70	25621	18.507	ng	# 78
49) Dimethylphthalate	14.78	163	110333	12.326	ng	# 99
56) 2,4-Dinitrotoluene	15.36	165	13172	5.266	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.83	198	598	5.169	ng	# 23
66) 4-Bromophenyl-phenylether	16.83	248	20689	4.926	ng	# 1
76) Benzidine	20.63	184	18731	2.065	ng	# 89

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.73 min Scan# 926

Delta R.T. 0.01 min

Lab File: BG032308.D

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Instrument :

BNA_G

ClientSampleId :

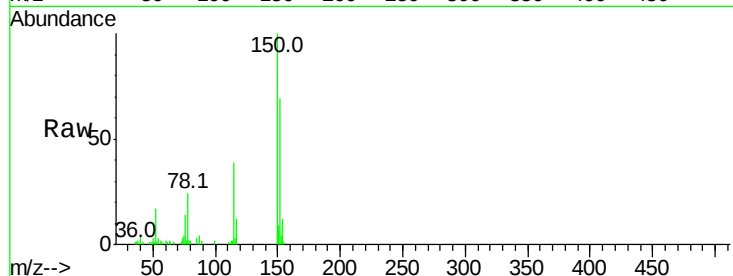
Tot Ion:152 Resp: 32402

Ion Ratio Lower Upper

152 100

150 144.0 126.6 189.8

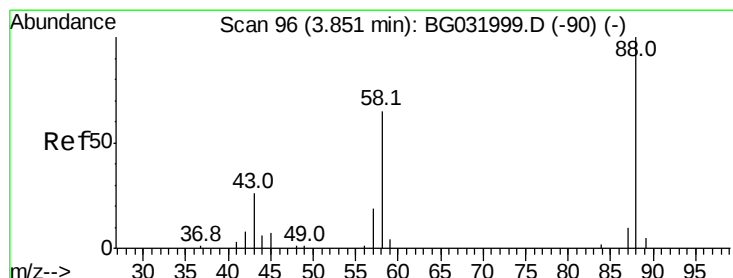
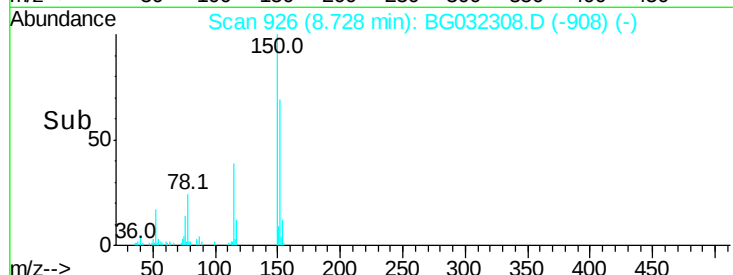
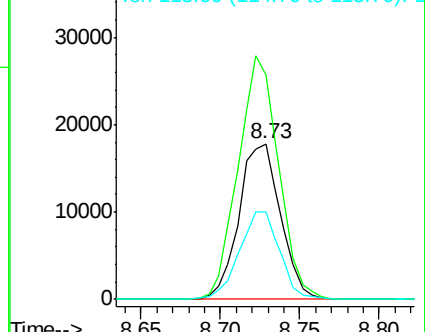
115 55.9 53.0 79.4



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



#2

1,4-Dioxane

Concen: 4.749 ng

RT: 3.46 min Scan# 30

Delta R.T. -0.36 min

Lab File: BG032308.D

Acq: 26 Jan 2018 00:18

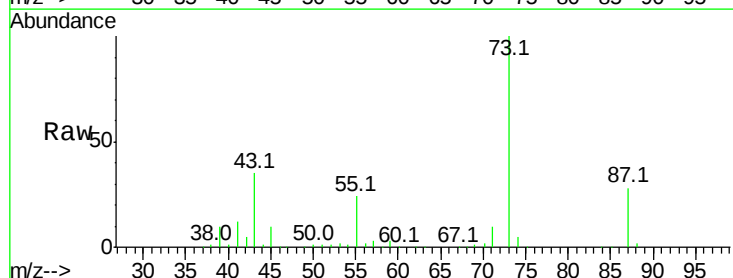
Tgt Ion: 88 Resp: 3232

Ion Ratio Lower Upper

88 100

58 35.8 79.6 119.4#

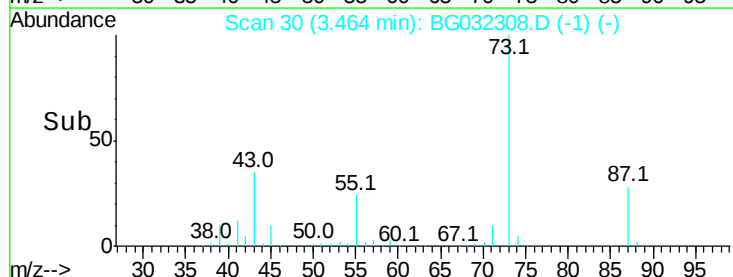
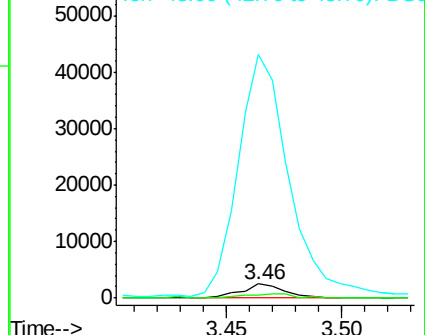
43 2068.8 27.4 41.0#

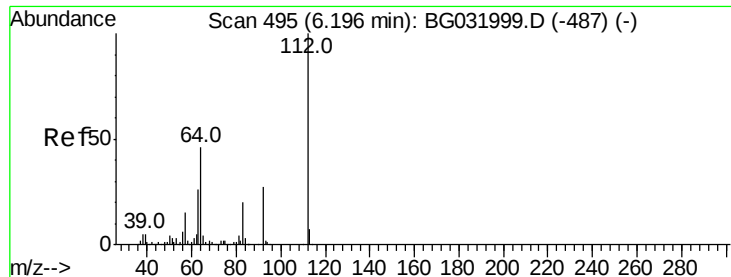


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 132.286 ng

RT: 6.15 min Scan# 488

Delta R.T. -0.00 min

Lab File: BG032308.D

Acq: 26 Jan 2018 00:18

Instrument :

BNA_G

ClientSampleId :

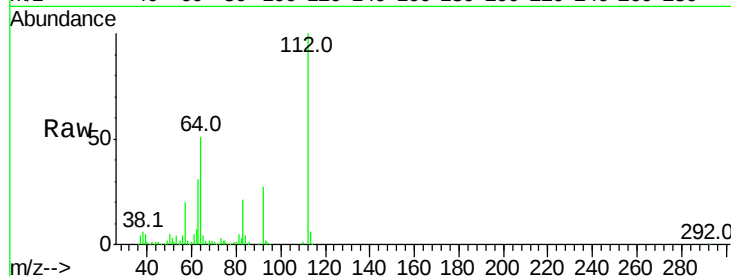
Tot Ion:112 Resp: 234363

Ion Ratio Lower Upper

112 100

64 51.5 56.3 84.5#

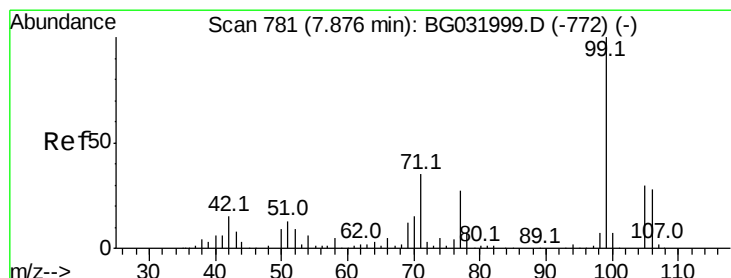
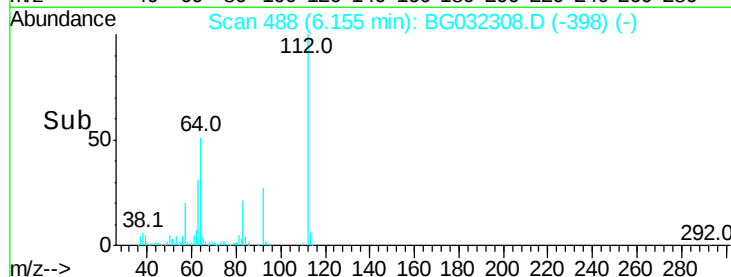
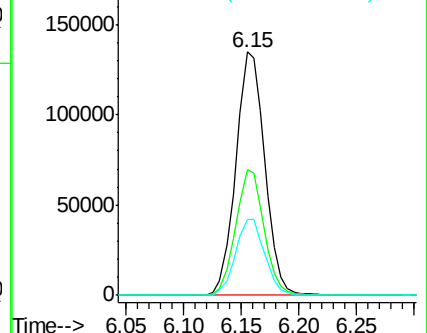
63 31.1 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 132.879 ng

RT: 7.84 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG032308.D

Acq: 26 Jan 2018 00:18

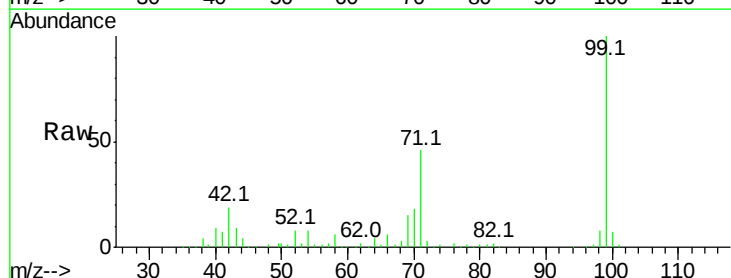
Tgt Ion: 99 Resp: 296488

Ion Ratio Lower Upper

99 100

42 19.2 14.1 21.1

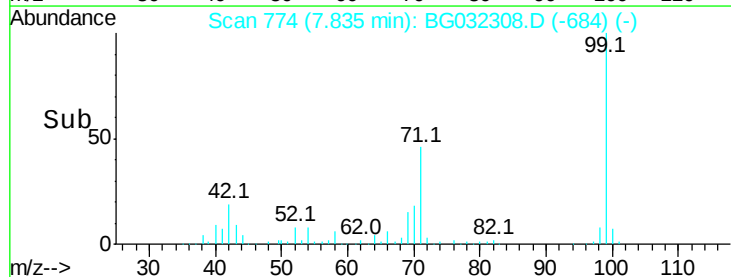
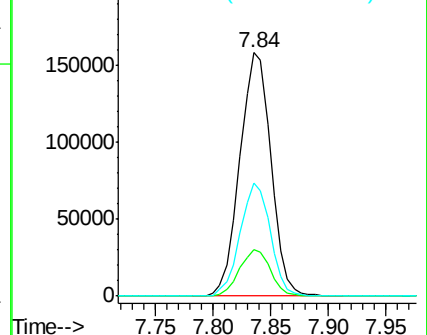
71 46.2 26.1 39.1#

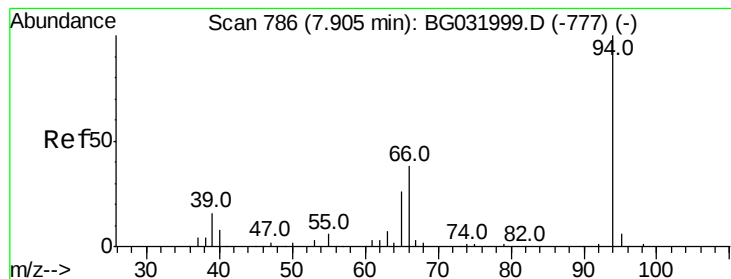


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 4.297 ng

RT: 7.86 min Scan# 779

Delta R.T. -0.00 min

Lab File: BG032308.D

Acq: 26 Jan 2018 00:18

Instrument :

BNA_G

ClientSampleId :

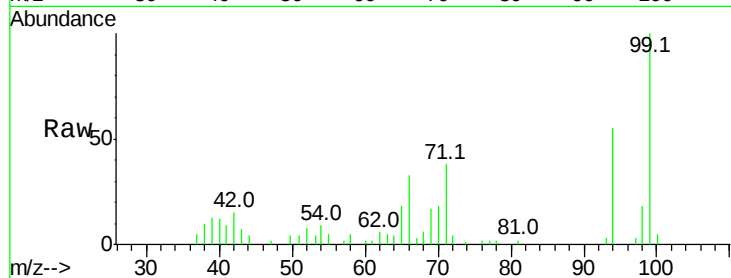
Tot Ion: 94 Resp: 9444

Ion Ratio Lower Upper

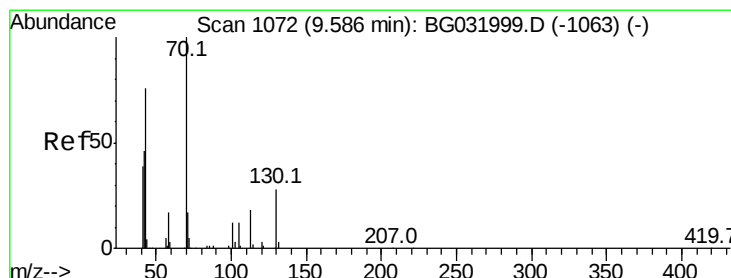
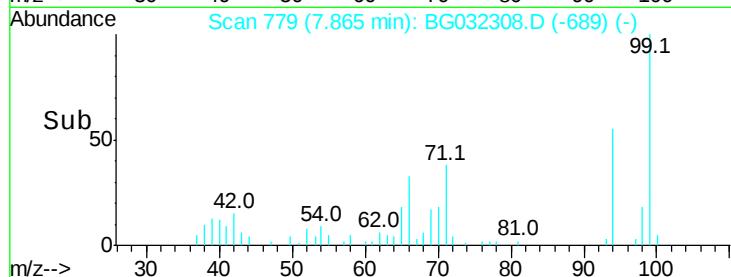
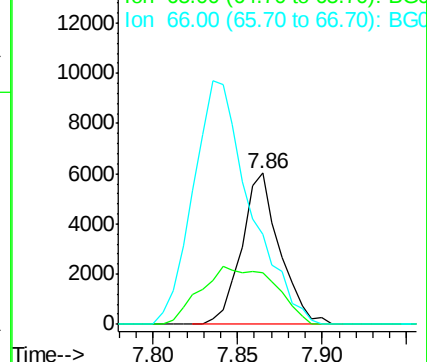
94 100

65 33.9 11.9 51.9

66 59.9 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: 18.507 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032308.D

Acq: 26 Jan 2018 00:18

Tgt Ion: 70 Resp: 25621

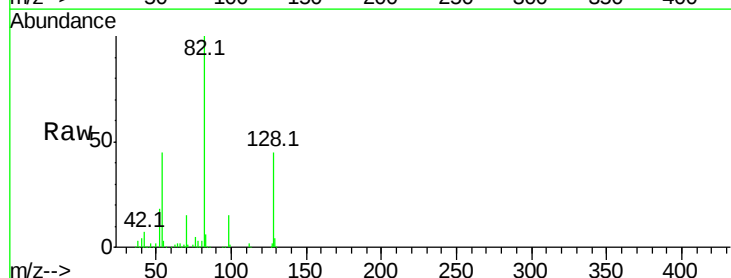
Ion Ratio Lower Upper

70 100

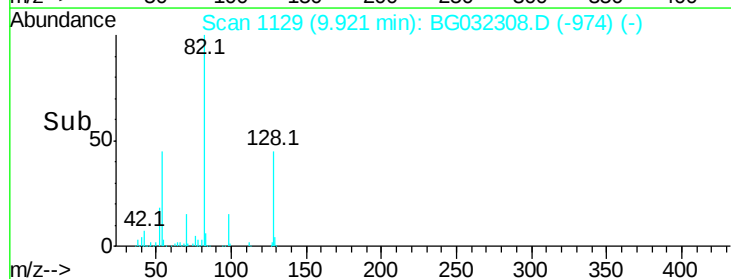
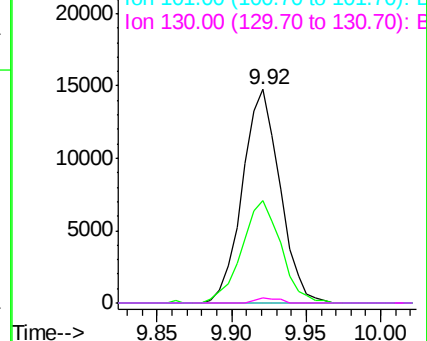
42 47.8 49.1 73.7#

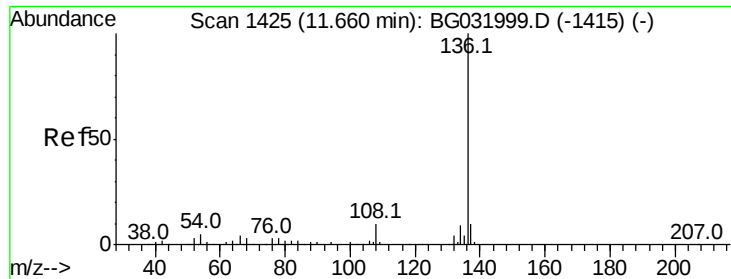
101 0.0 8.5 12.7#

130 2.2 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

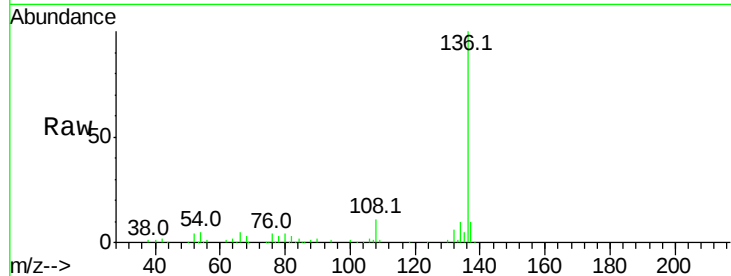




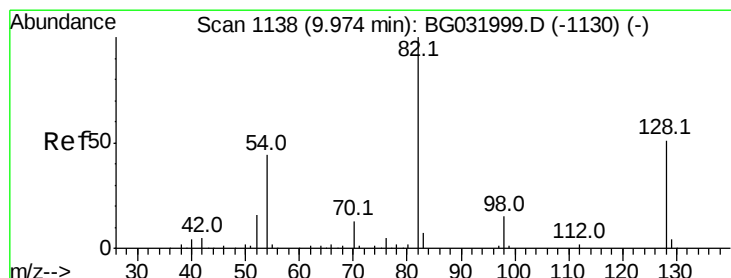
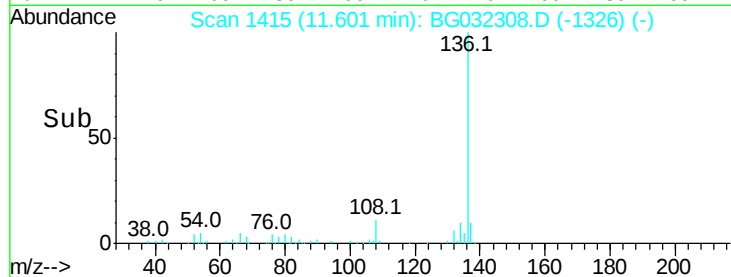
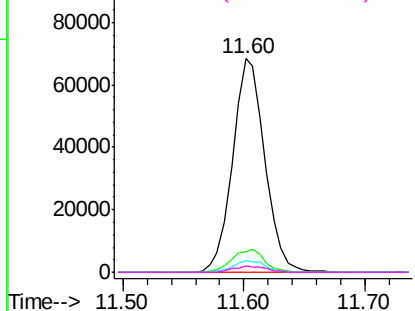
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BG032308.D
Acq: 26 Jan 2018 00:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	126351
Ion Ratio	Lower	Upper
136	100	
137	9.7	9.2 13.8
54	5.4	10.3 15.5#
68	3.3	4.5 6.7#

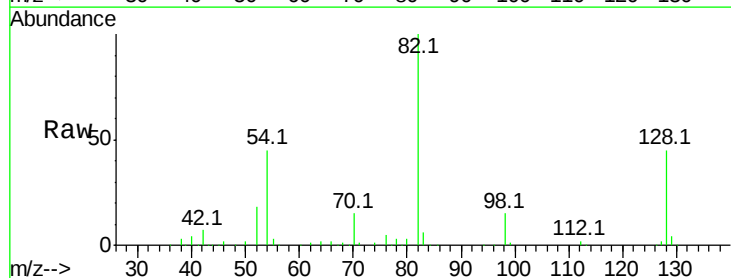


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

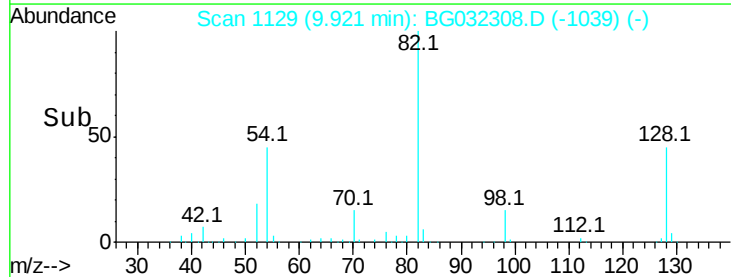
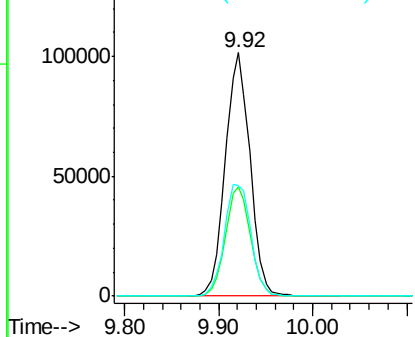


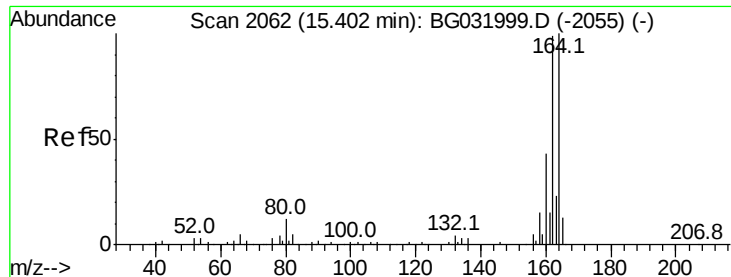
#23
Nitrobenzene-d5
Concen: 99.298 ng
RT: 9.92 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BG032308.D
Acq: 26 Jan 2018 00:18

Tgt Ion: 82	Resp:	185449
Ion Ratio	Lower	Upper
82	100	
128	44.8	29.7 44.5#
54	45.3	43.1 64.7



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032308.D

Acq: 26 Jan 2018 00:18

Instrument :

BNA_G

ClientSampleId :

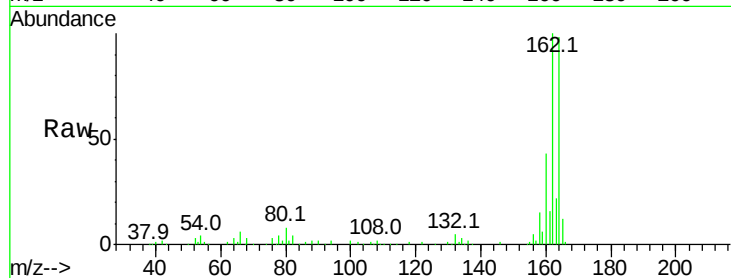
Tot Ion:164 Resp: 102289

Ion Ratio Lower Upper

164 100

162 102.0 78.8 118.2

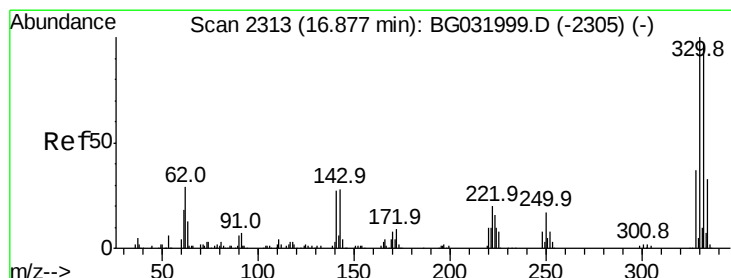
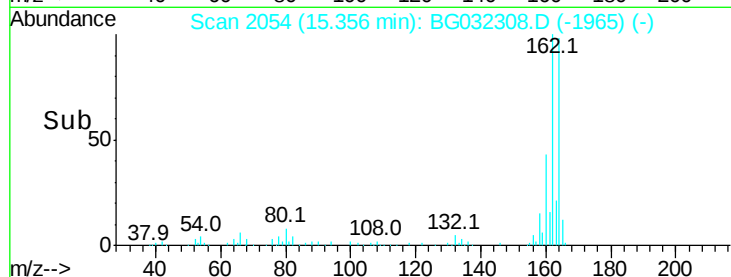
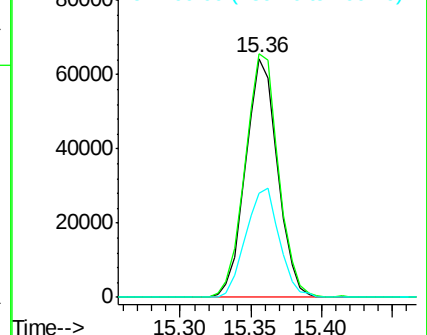
160 43.5 35.4 53.0



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: 144.121 ng

RT: 16.84 min Scan# 2306

Delta R.T. -0.00 min

Lab File: BG032308.D

Acq: 26 Jan 2018 00:18

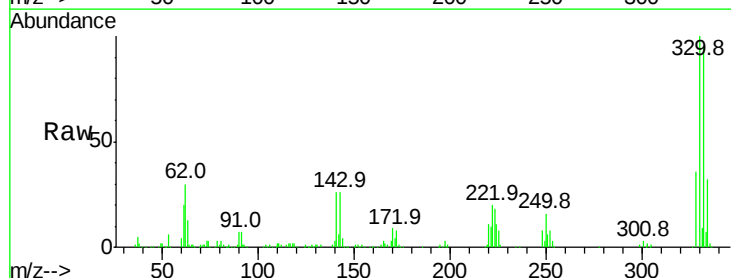
Tgt Ion:330 Resp: 243945

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

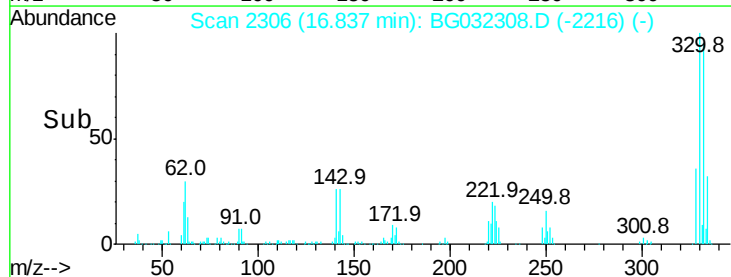
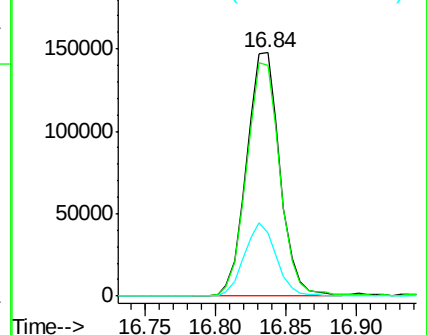
141 29.3 25.2 37.8

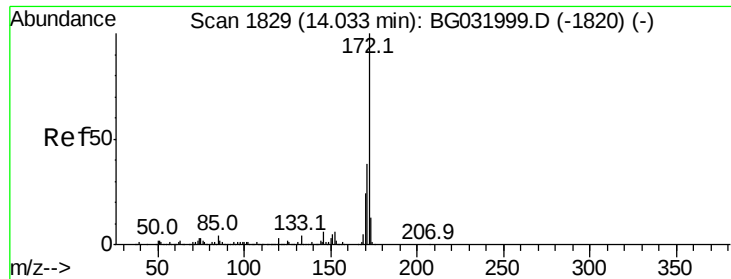


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

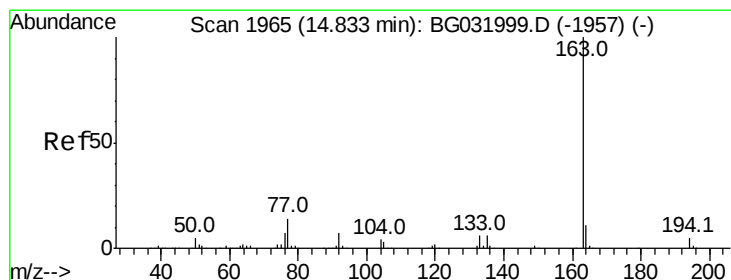
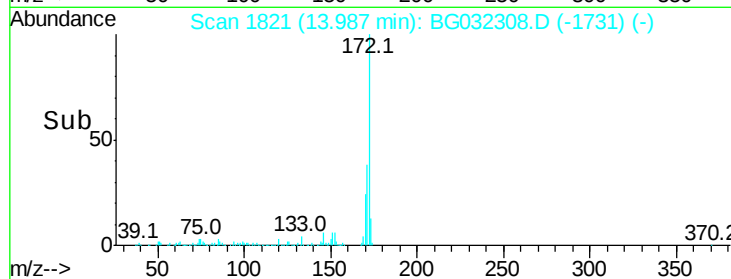
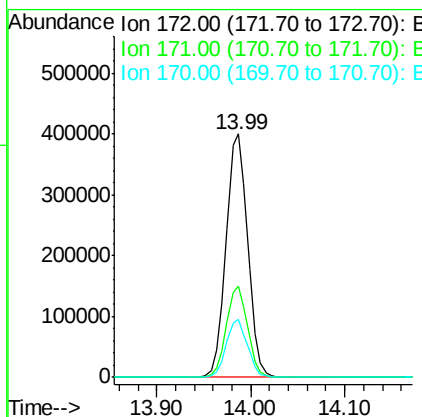
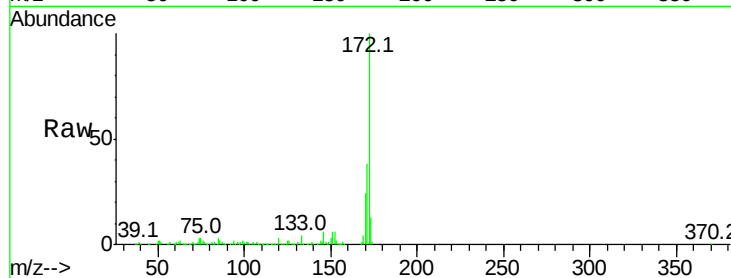




#44
2-Fluorobiphenyl
Concen: 77.493 ng
RT: 13.99 min Scan# 1821
Delta R.T. -0.00 min
Lab File: BG032308.D
Acq: 26 Jan 2018 00:18

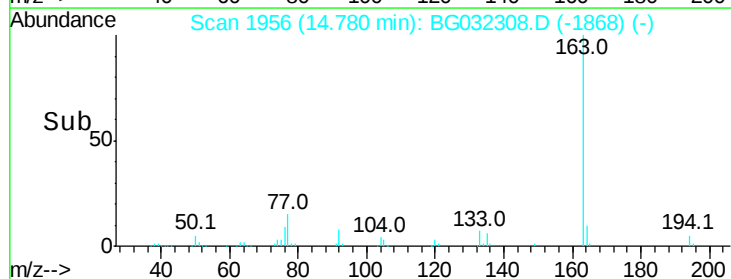
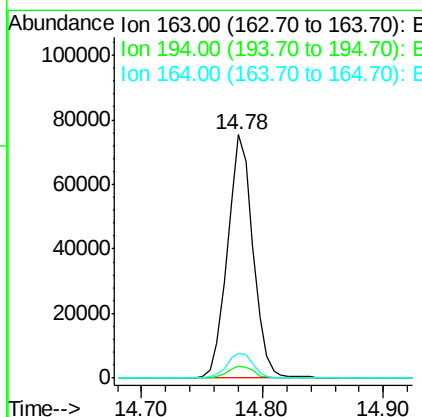
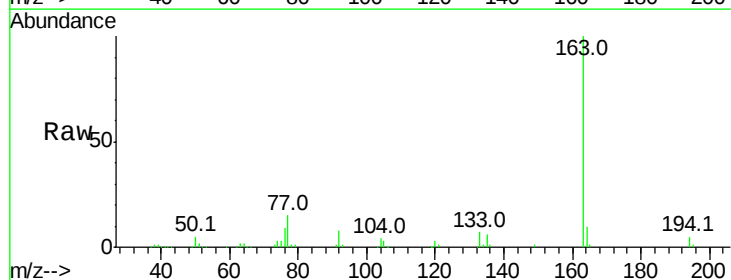
Instrument :
BNA_G
ClientSampleId :

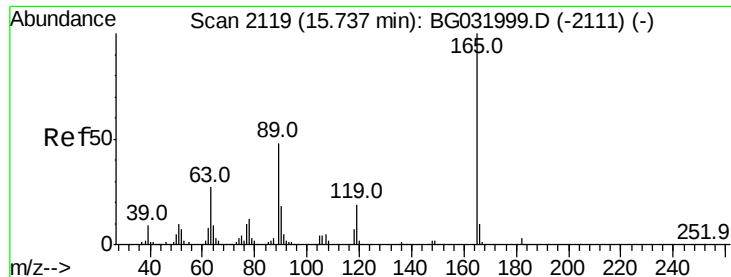
Tot Ion:172 Resp: 639272
Ion Ratio Lower Upper
172 100
171 37.7 30.0 45.0
170 23.7 19.5 29.3



#49
Dimethylphthalate
Concen: 12.326 ng
RT: 14.78 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BG032308.D
Acq: 26 Jan 2018 00:18

Tgt Ion:163 Resp: 110333
Ion Ratio Lower Upper
163 100
194 4.7 3.4 5.2
164 10.1 8.2 12.4

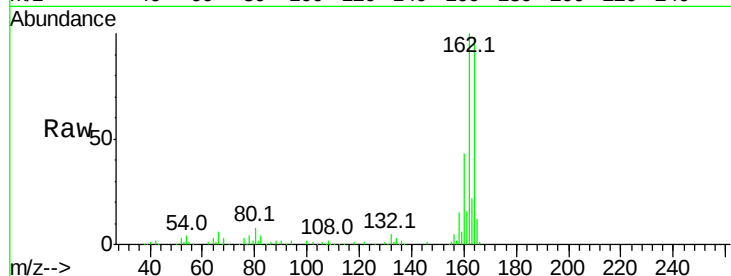




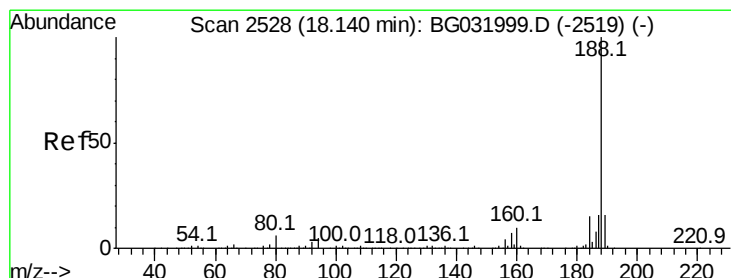
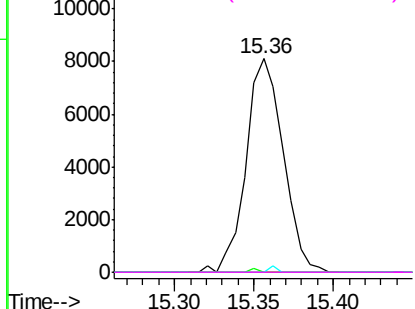
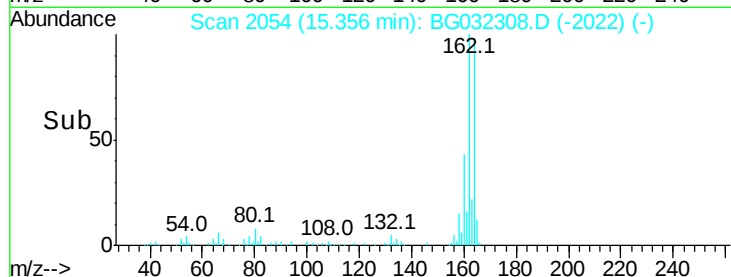
#56
 2,4-Dinitrotoluene
 Concen: 5.266 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032308.D
 Acq: 26 Jan 2018 00:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 13172
 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#

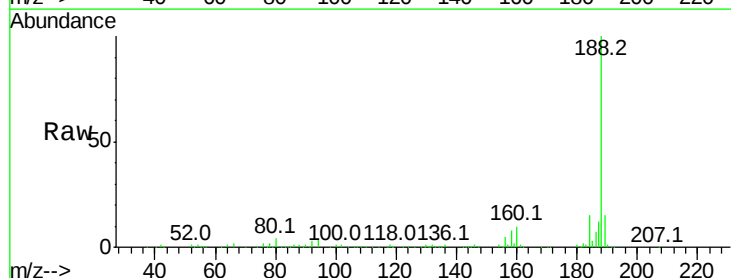


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

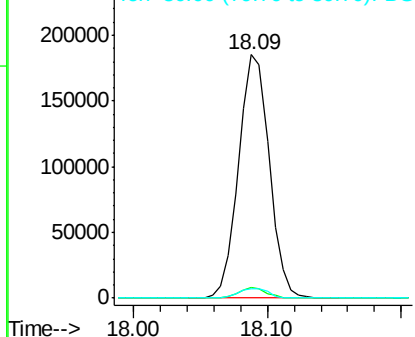
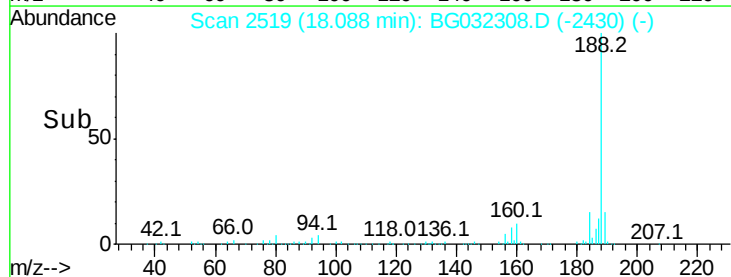


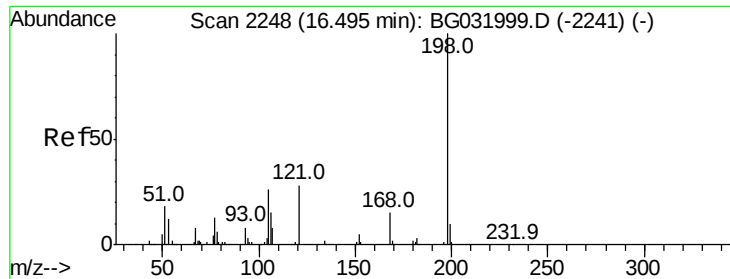
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BG032308.D
 Acq: 26 Jan 2018 00:18

Tgt Ion:188 Resp: 295215
 Ion Ratio Lower Upper
 188 100
 94 4.2 6.9 10.3#
 80 3.8 7.7 11.5#



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





#64

4,6-Dinitro-2-methylphenol

Concen: 5.169 ng

RT: 16.83 min Scan# 2305

Delta R.T. 0.38 min

Lab File: BG032308.D

Acq: 26 Jan 2018 00:18

Instrument :

BNA_G

ClientSampleId :

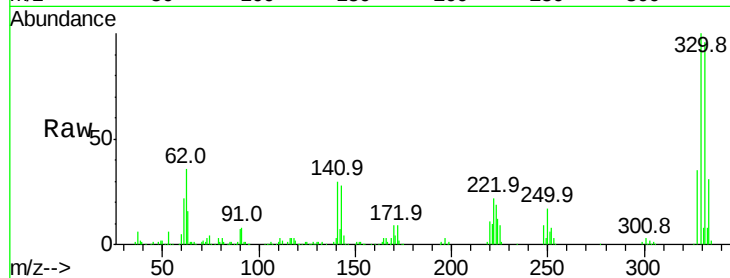
Tot Ion:198 Resp: 598

Ion Ratio Lower Upper

198 100

51 98.5 30.6 70.6#

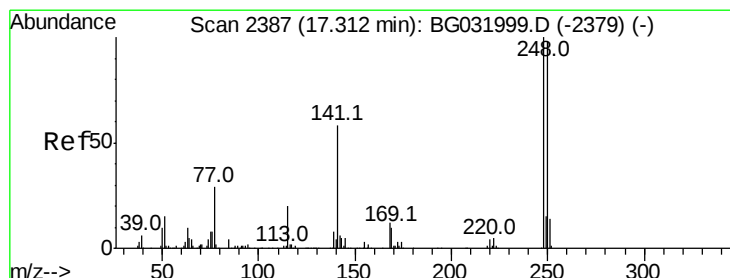
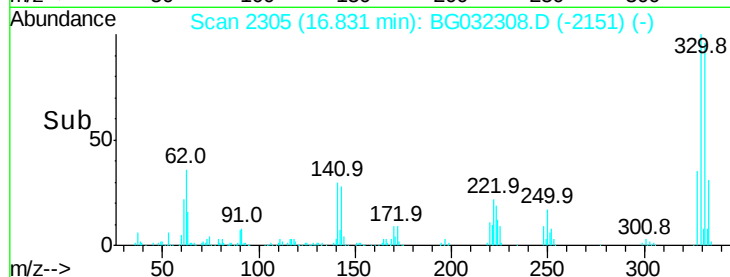
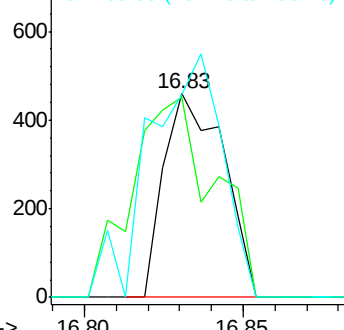
105 99.6 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG031999.D (-2241) (-)

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.926 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.44 min

Lab File: BG032308.D

Acq: 26 Jan 2018 00:18

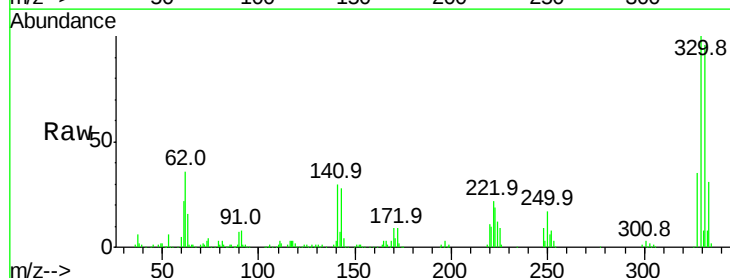
Tgt Ion:248 Resp: 20689

Ion Ratio Lower Upper

248 100

250 184.7 77.1 115.7#

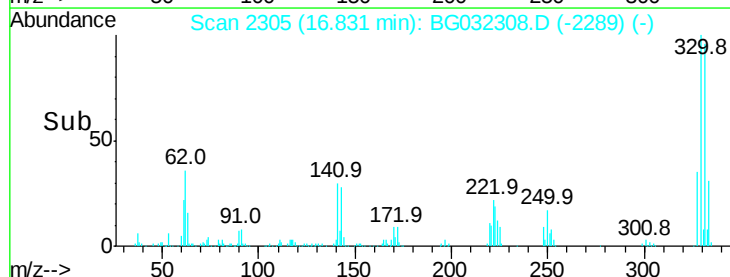
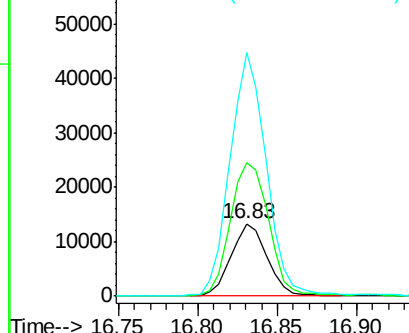
141 337.8 50.8 76.2#

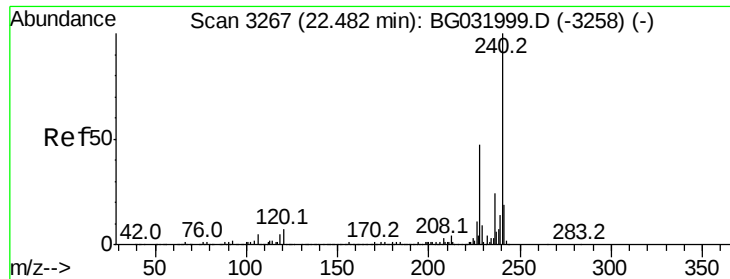


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.42 min Scan# 3256

Delta R.T. -0.01 min

Lab File: BG032308.D

Acq: 26 Jan 2018 00:18

Instrument :

BNA_G

ClientSampled :

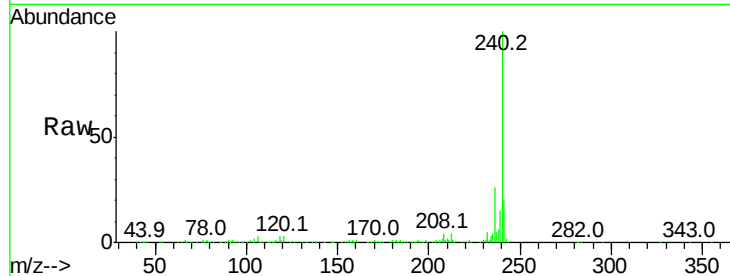
Tot Ion:240 Resp: 362772

Ion Ratio Lower Upper

240 100

120 3.1 6.8 10.2#

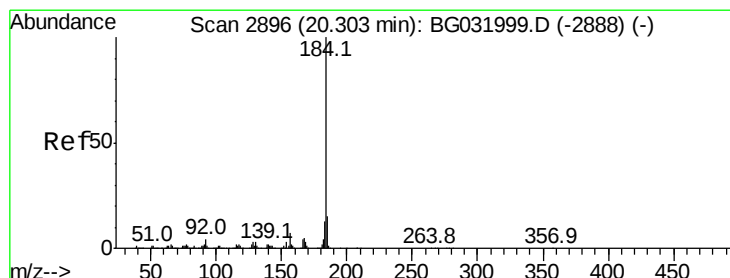
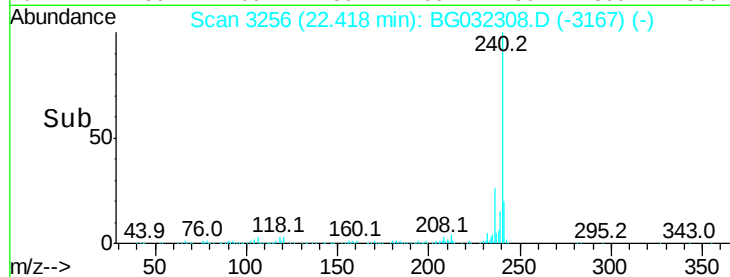
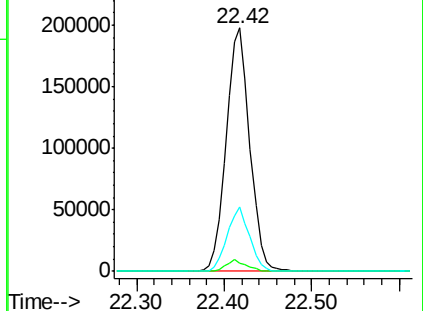
236 26.3 20.9 31.3



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



#76

Benzidine

Concen: 2.065 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.36 min

Lab File: BG032308.D

Acq: 26 Jan 2018 00:18

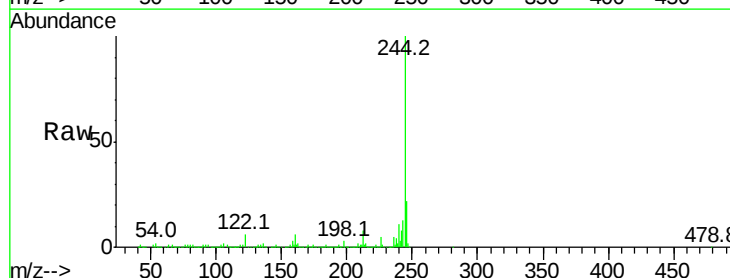
Tgt Ion:184 Resp: 18731

Ion Ratio Lower Upper

184 100

185 18.5 11.1 16.7#

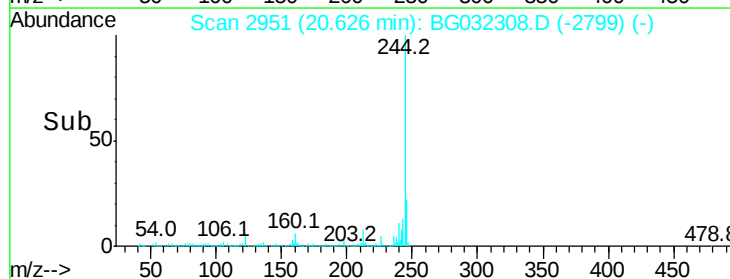
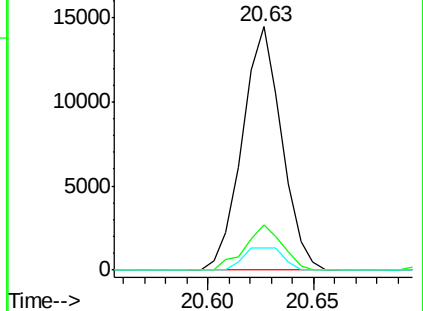
183 9.1 10.6 16.0#

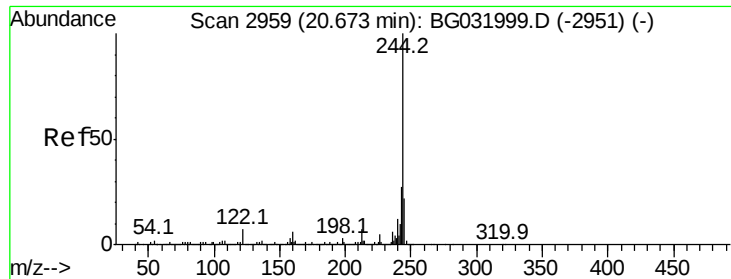


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



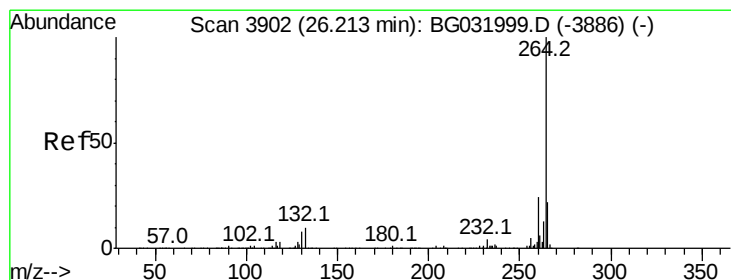
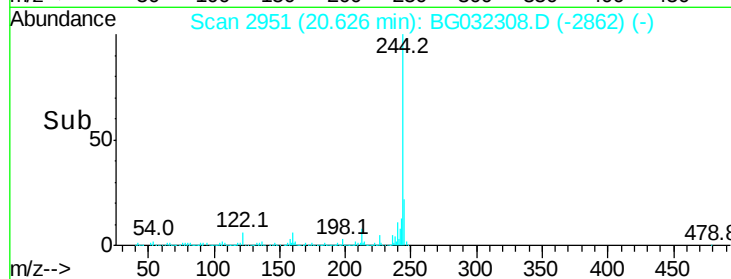
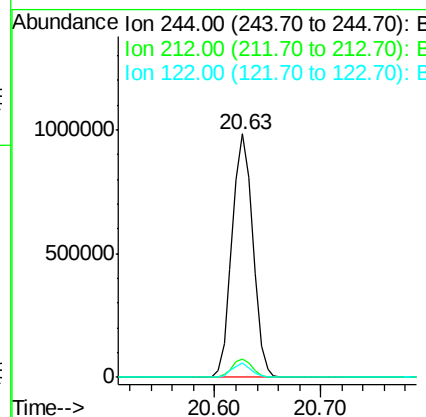
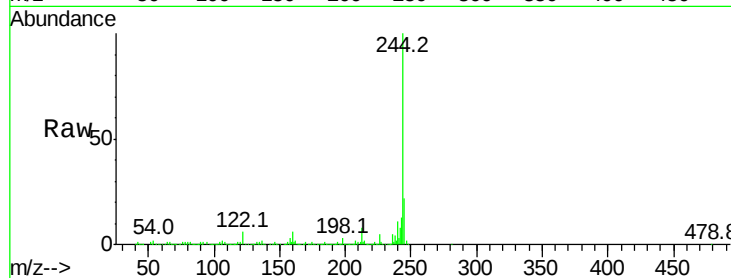


#78
 Terphenyl-d14
 Concen: 81.508 ng
 RT: 20.63 min Scan# 2951
 Delta R.T. -0.01 min
 Lab File: BG032308.D
 Acq: 26 Jan 2018 00:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1339133

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.8
122	5.9	7.0	10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.10 min Scan# 3882
 Delta R.T. -0.01 min
 Lab File: BG032308.D
 Acq: 26 Jan 2018 00:18

Tgt Ion:264 Resp: 381591

Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.4	26.0
265	22.6	17.7	26.5

