

Data Path : U:\HPCHEM1\BNA G\DATA\BG012718\
 Data File : BG032380.D
 Acq On : 28 Jan 2018 6:52
 Operator : SJ/JU
 Sample : J1325-09
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 29 01:07:52 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	8.72	152	30766	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	113475	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	74315	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	205244	20.00	ng	0.00
75) Chrysene-d12	22.42	240	316208	20.00	ng	0.00
86) Perylene-d12	26.10	264	327643	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	186311	110.76	ng	0.00
7) Phenol-d6	7.83	99	192909	91.05	ng	0.00
23) Nitrobenzene-d5	9.92	82	167693	99.98	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	198538	161.45	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	583779	97.40	ng	0.00
78) Terphenyl-d14	20.63	244	1369032	95.60	ng	0.00

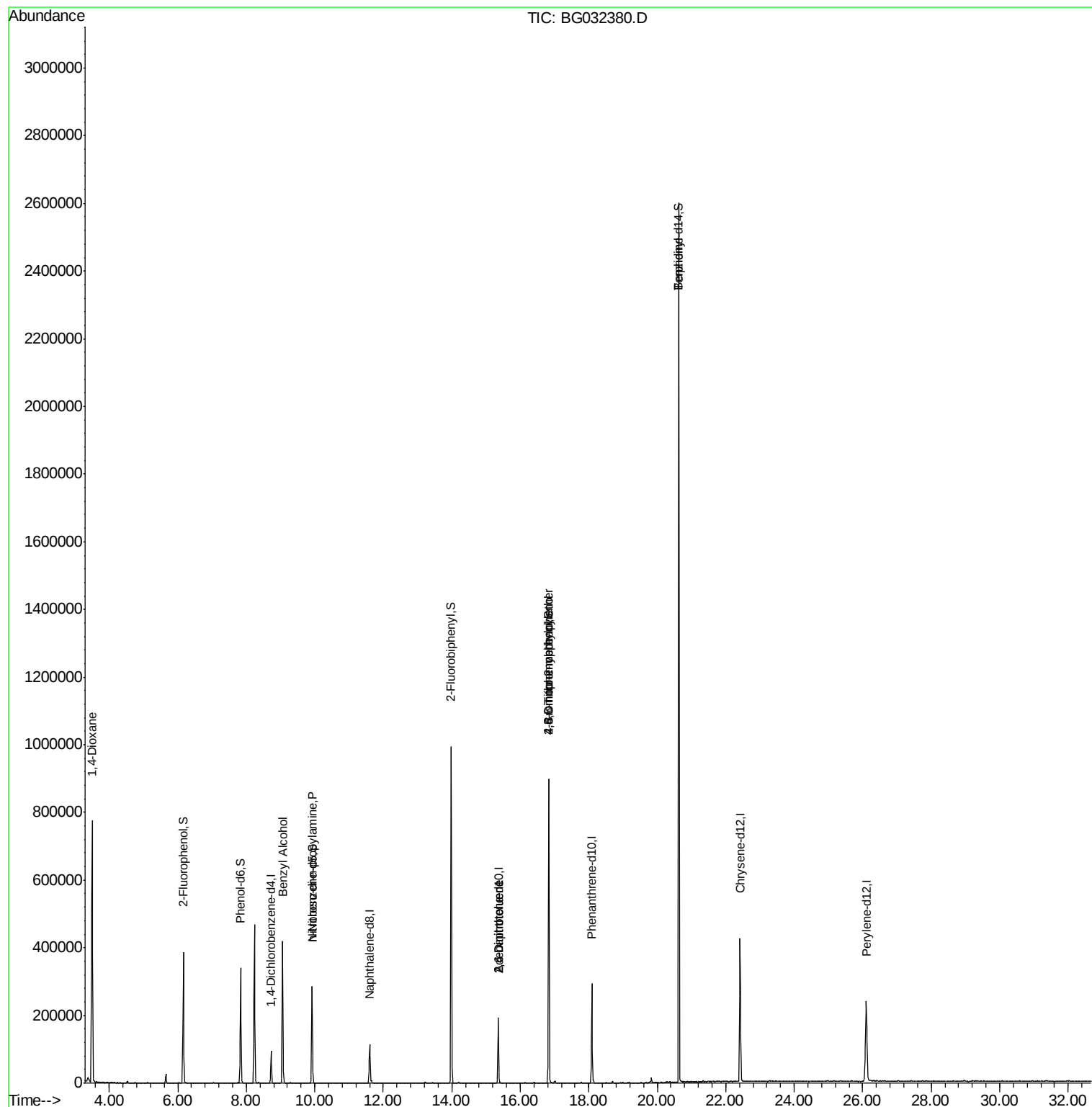
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.50	88	9104	14.087	ng	# 1
15) Benzyl Alcohol	9.06	79	3530	2.294	ng	# 58
19) n-Nitroso-di-n-propylamine	9.92	70	25044	19.052	ng	# 80
50) 2,6-Dinitrotoluene	15.36	165	9657	7.154	ng	# 20
56) 2,4-Dinitrotoluene	15.36	165	9657	5.314	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.82	198	720	5.377	ng	# 56
66) 4-Bromophenyl-phenylether	16.83	248	16302	5.582	ng	# 1
76) Benzidine	20.63	184	20649	2.611	ng	# 90

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 925

Delta R.T. -0.00 min

Lab File: BG032380.D

Acq: 28 Jan 2018 6:52

Instrument :

BNA_G

ClientSampleId :

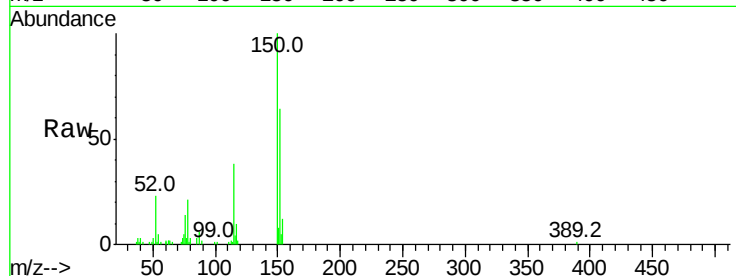
Tot Ion:152 Resp: 30766

Ion Ratio Lower Upper

152 100

150 157.2 126.6 189.8

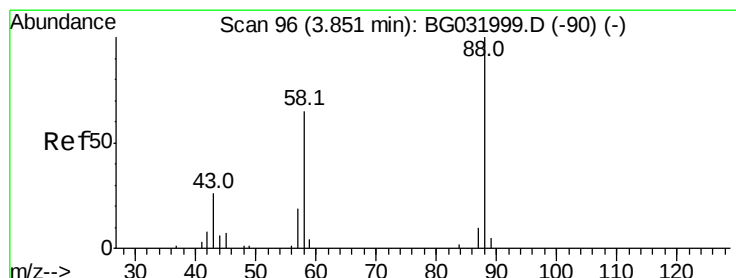
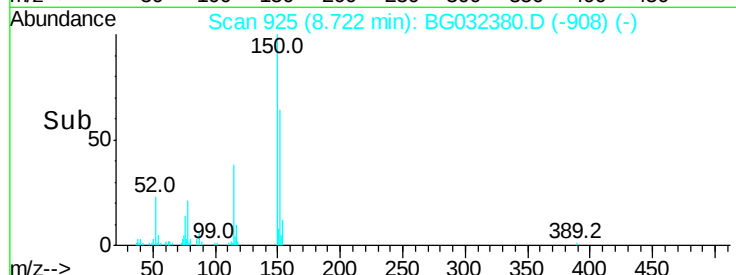
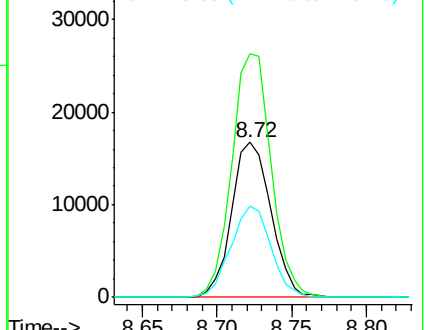
115 59.0 53.0 79.4



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: 14.087 ng

RT: 3.50 min Scan# 36

Delta R.T. -0.32 min

Lab File: BG032380.D

Acq: 28 Jan 2018 6:52

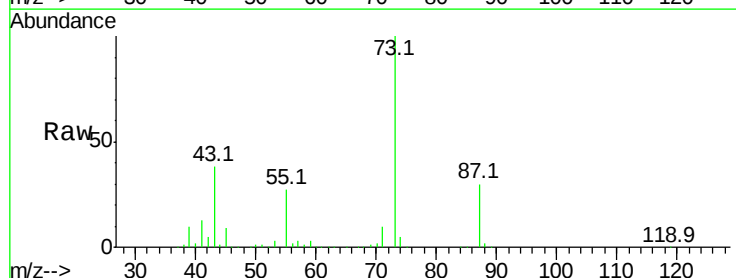
Tgt Ion: 88 Resp: 9104

Ion Ratio Lower Upper

88 100

58 36.9 79.6 119.4#

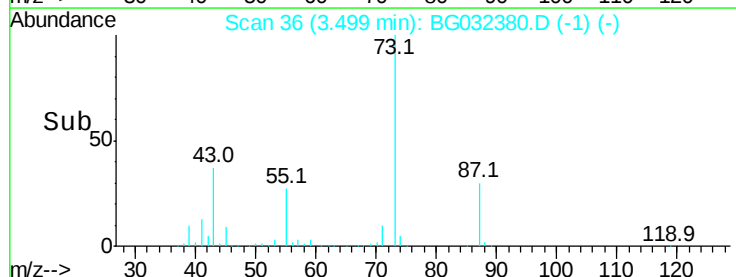
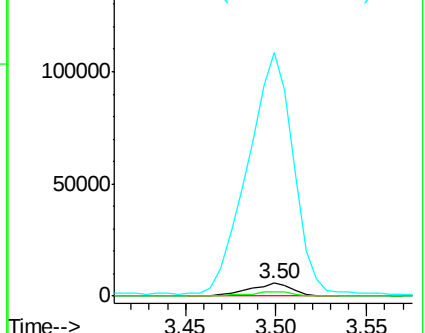
43 2079.8 27.4 41.0#

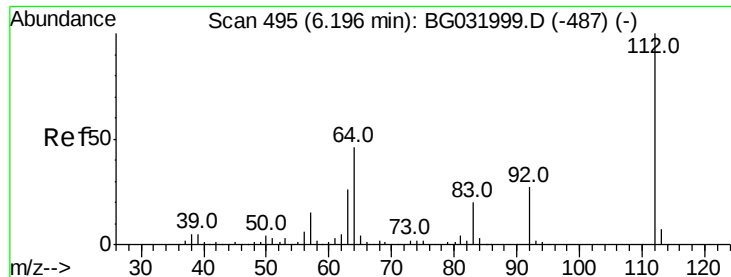


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 110.755 ng

RT: 6.16 min Scan# 489

Delta R.T. 0.00 min

Lab File: BG032380.D

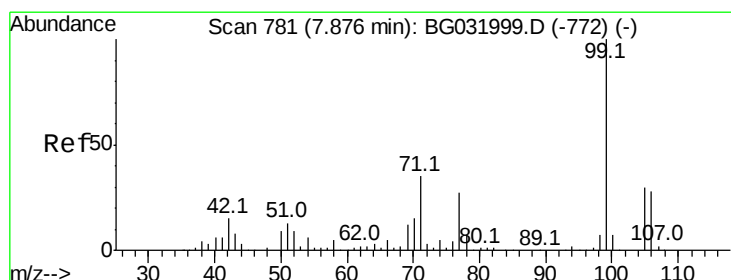
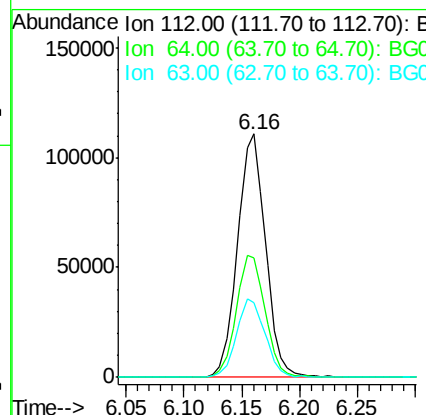
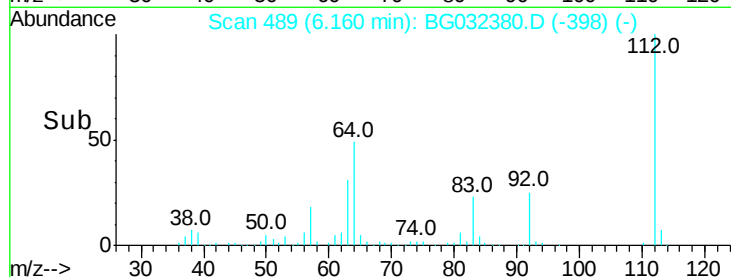
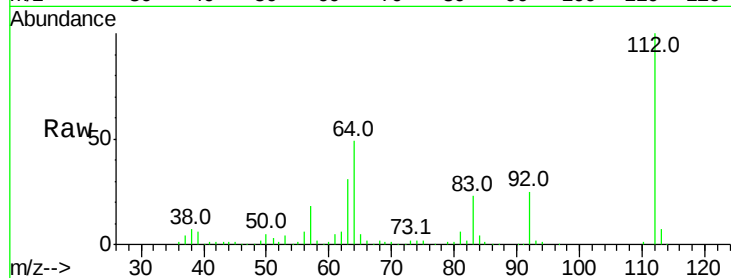
Acq: 28 Jan 2018 6:52

Instrument :

BNA_G

ClientSampled :

Tot Ion:	112	Resp:	186311
Ion Ratio	Lower	Upper	
112	100		
64	49.3	56.3	84.5#
63	30.8	30.1	45.1



#7

Phenol-d6

Concen: 91.055 ng

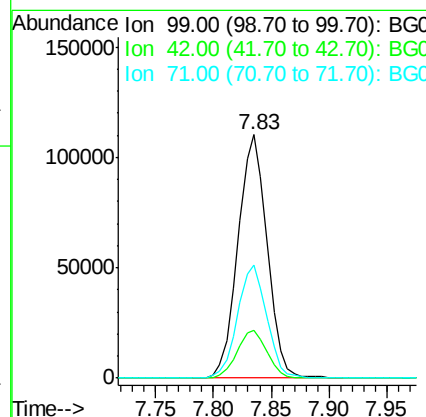
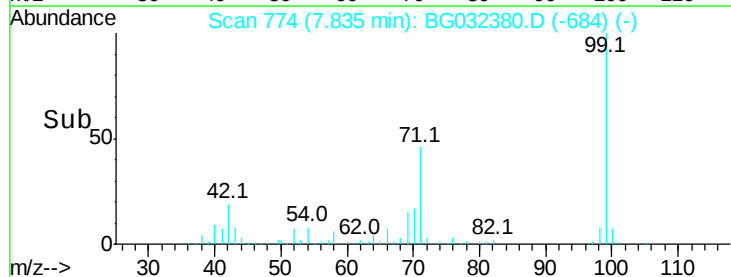
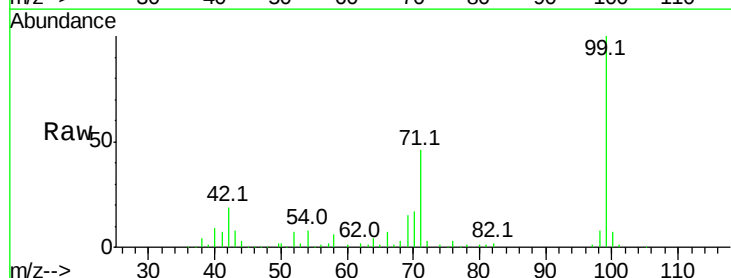
RT: 7.83 min Scan# 774

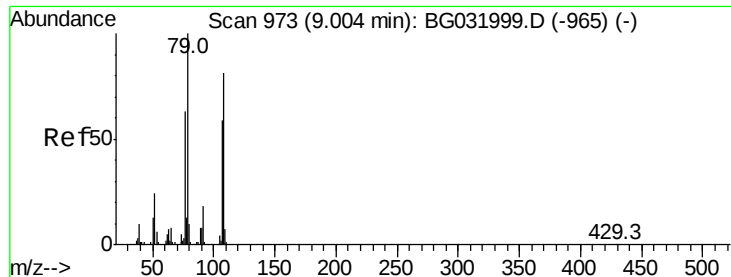
Delta R.T. -0.00 min

Lab File: BG032380.D

Acq: 28 Jan 2018 6:52

Tgt Ion:	99	Resp:	192909
Ion Ratio	Lower	Upper	
99	100		
42	19.4	14.1	21.1
71	46.2	26.1	39.1#





#15

Benzyl Alcohol

Concen: 2.294 ng

RT: 9.06 min Scan# 983

Delta R.T. 0.10 min

Lab File: BG032380.D

Acq: 28 Jan 2018 6:52

Instrument :

BNA_G

ClientSampleId :

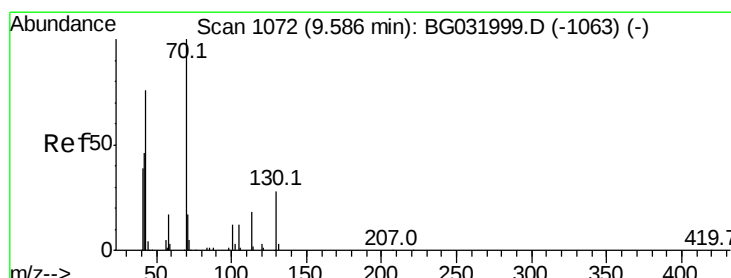
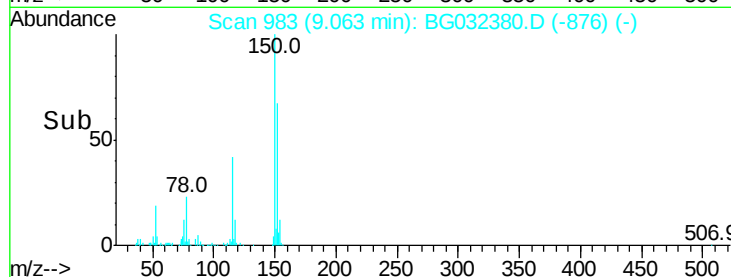
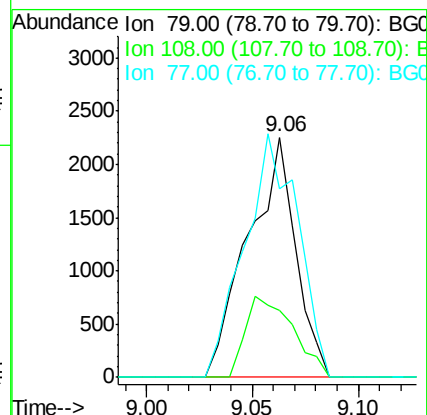
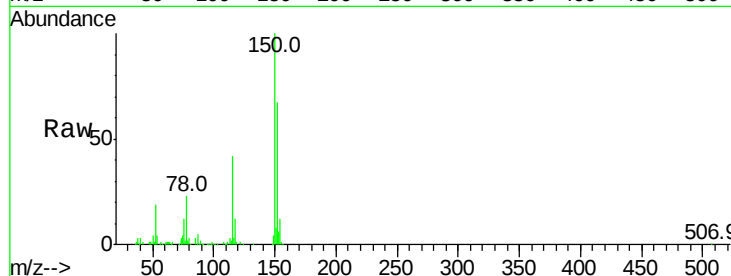
Tot Ion: 79 Resp: 3530

Ion Ratio Lower Upper

79 100

108 27.9 57.2 85.8#

77 78.4 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 19.052 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032380.D

Acq: 28 Jan 2018 6:52

Tgt Ion: 70 Resp: 25044

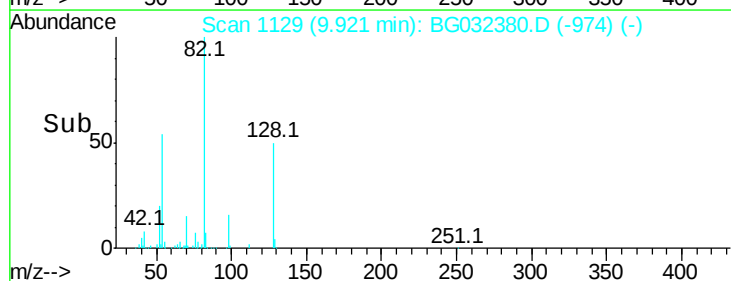
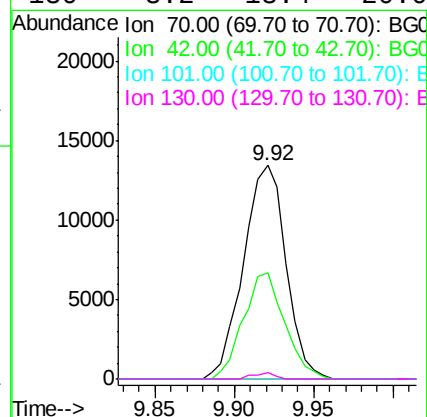
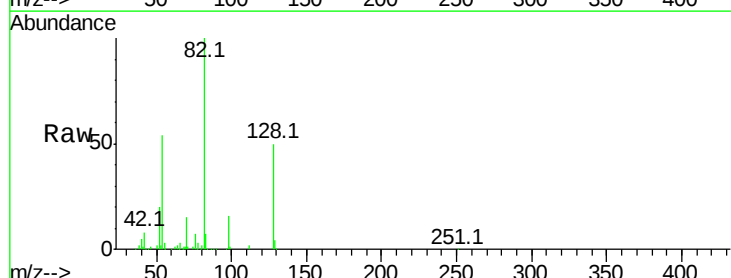
Ion Ratio Lower Upper

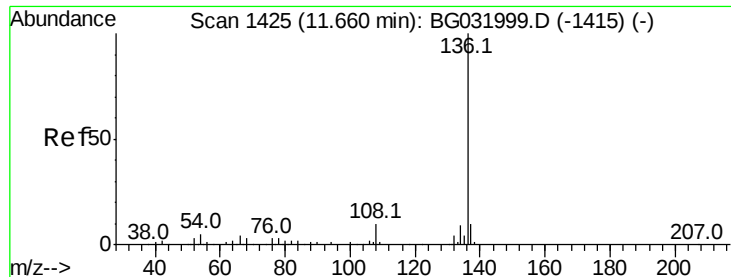
70 100

42 50.0 49.1 73.7

101 0.0 8.5 12.7#

130 3.2 13.4 20.0#

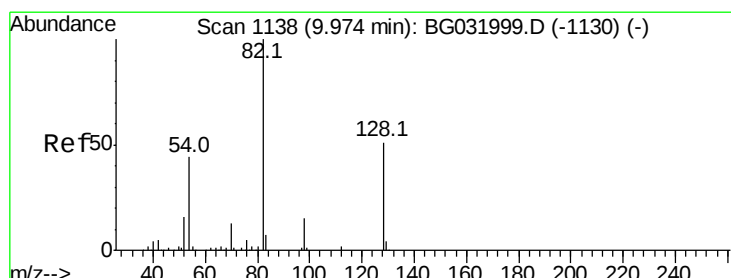
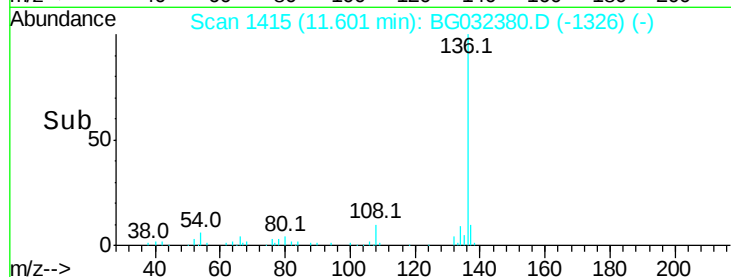
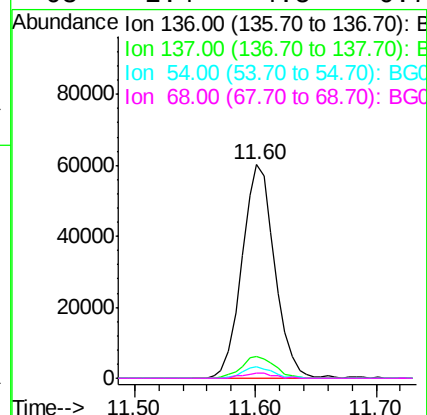
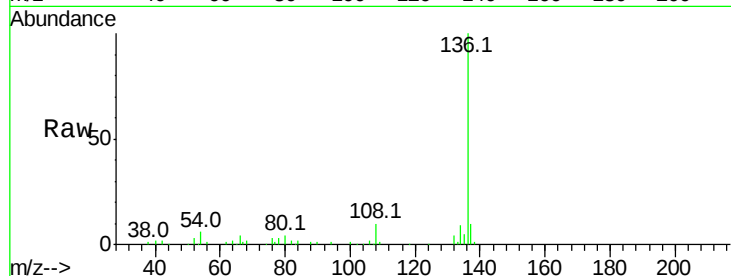




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BG032380.D
Acq: 28 Jan 2018 6:52

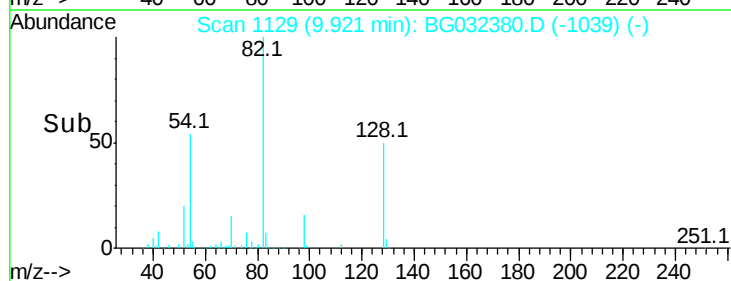
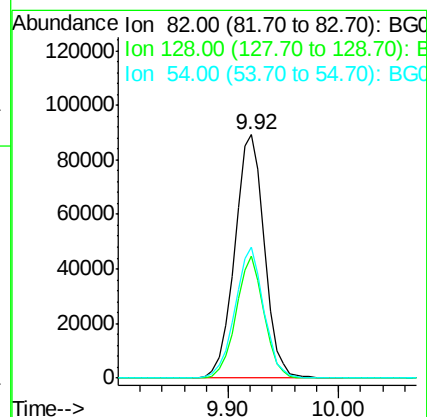
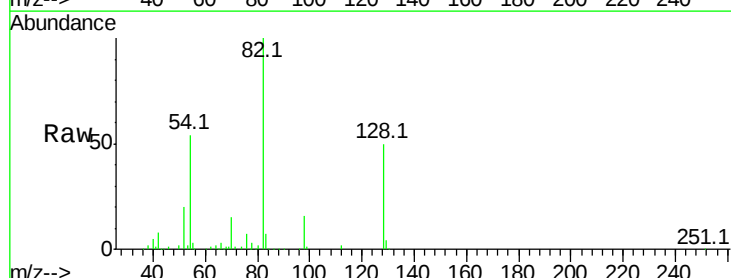
Instrument :
BNA_G
ClientSampleId :

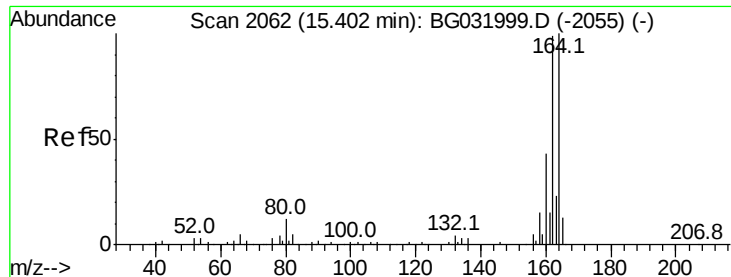
Tot Ion:	136	Resp:	113475
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	5.7	10.3	15.5#
68	2.4	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 99.979 ng
RT: 9.92 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BG032380.D
Acq: 28 Jan 2018 6:52

Tgt Ion:	82	Resp:	167693
Ion	Ratio	Lower	Upper
82	100		
128	50.3	29.7	44.5#
54	54.1	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032380.D

Acq: 28 Jan 2018 6:52

Instrument :

BNA_G

ClientSampleId :

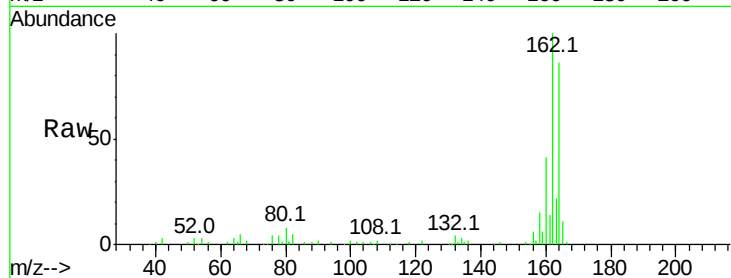
Tot Ion:164 Resp: 74315

Ion Ratio Lower Upper

164 100

162 116.5 78.8 118.2

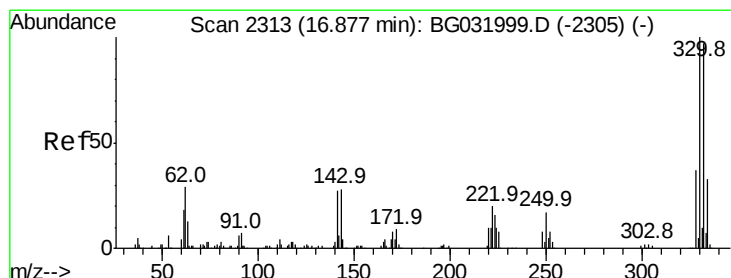
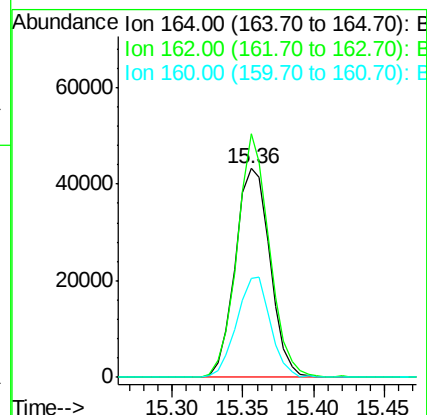
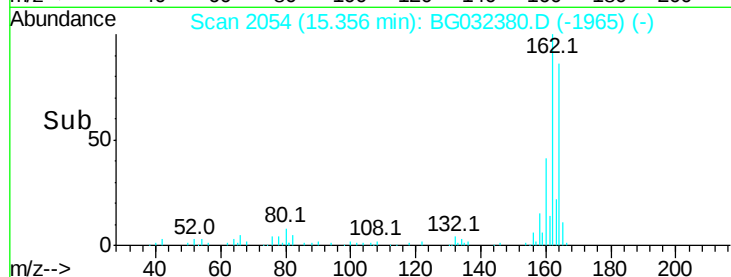
160 47.3 35.4 53.0



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: 161.447 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.01 min

Lab File: BG032380.D

Acq: 28 Jan 2018 6:52

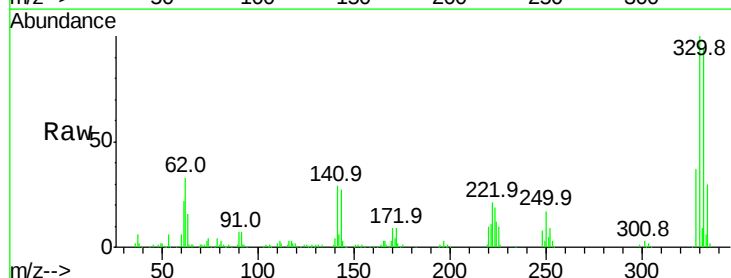
Tgt Ion:330 Resp: 198538

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

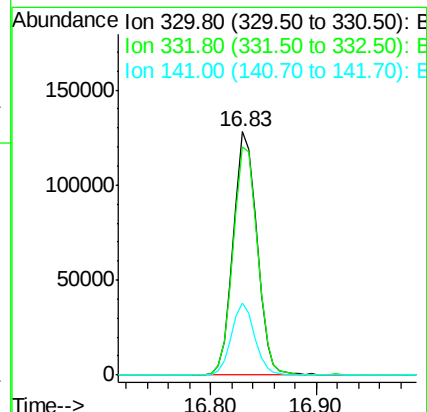
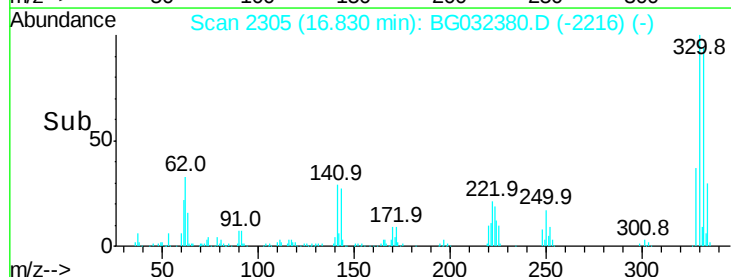
141 29.3 25.2 37.8

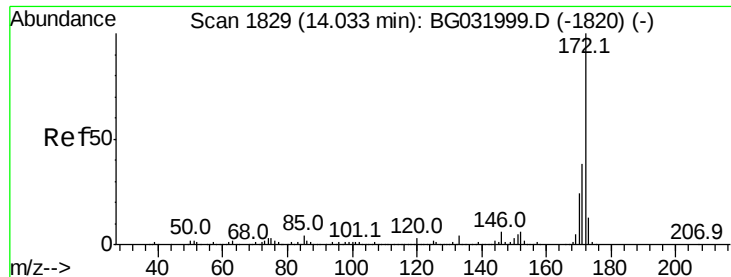


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

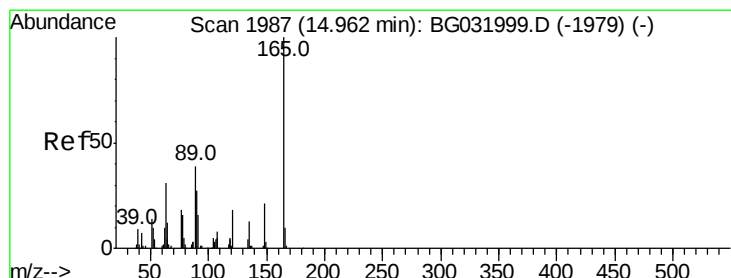
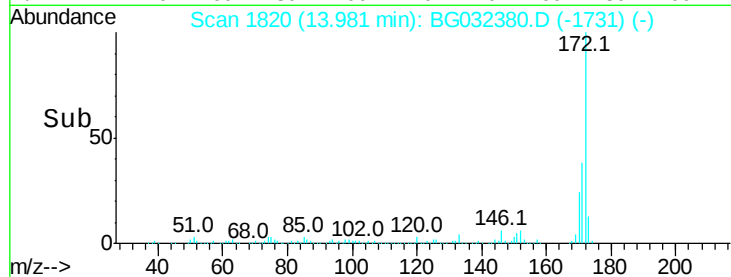
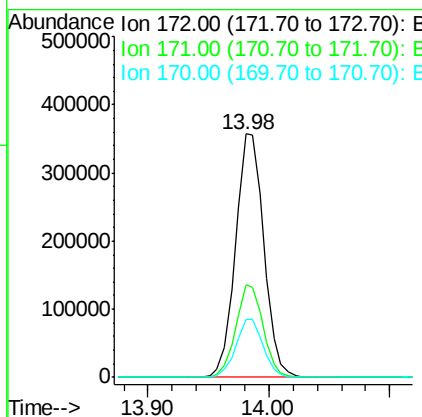
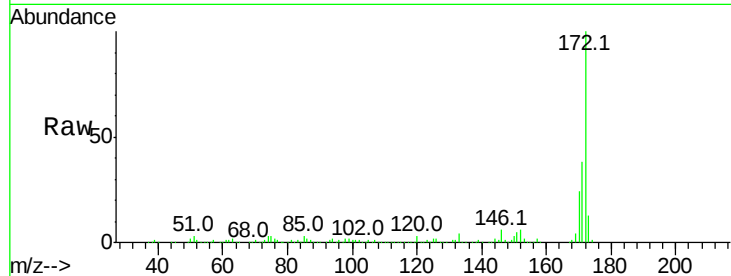




#44
 2-Fluorobiphenyl
 Concen: 97.404 ng
 RT: 13.98 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BG032380.D
 Acq: 28 Jan 2018 6:52

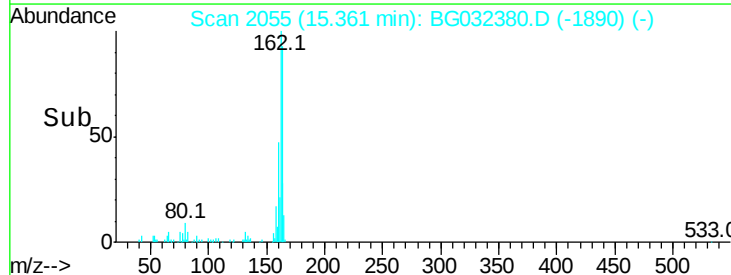
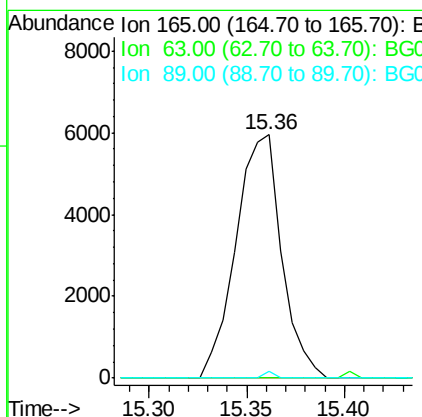
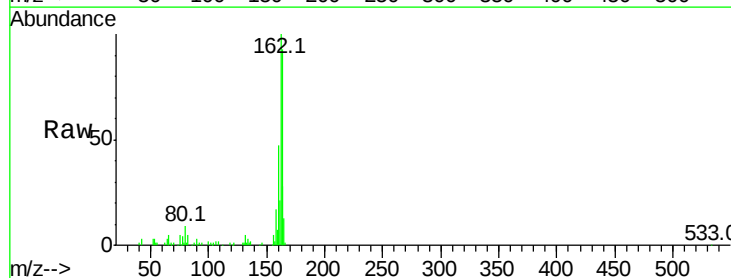
Instrument :
 BNA_G
 ClientSampleId :

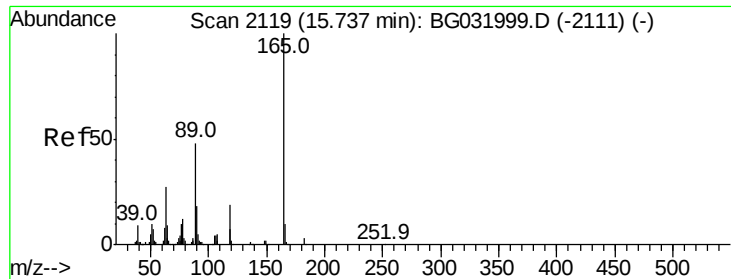
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.2	30.0	45.0
170	23.6	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.154 ng
 RT: 15.36 min Scan# 2055
 Delta R.T. 0.44 min
 Lab File: BG032380.D
 Acq: 28 Jan 2018 6:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.6	49.2	73.8#





#56

2,4-Dinitrotoluene

Concen: 5.314 ng

RT: 15.36 min Scan# 2055

Delta R.T. -0.34 min

Lab File: BG032380.D

Acq: 28 Jan 2018 6:52

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 9657

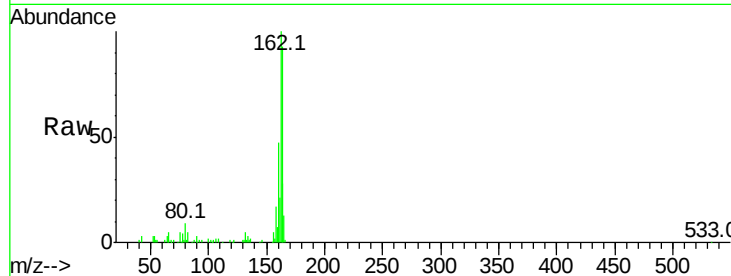
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 2.6 66.9 100.3#

182 0.0 2.6 3.8#

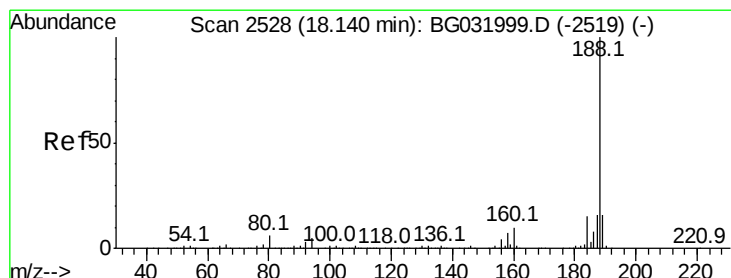
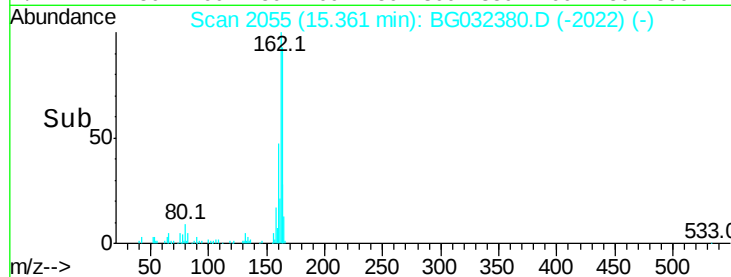
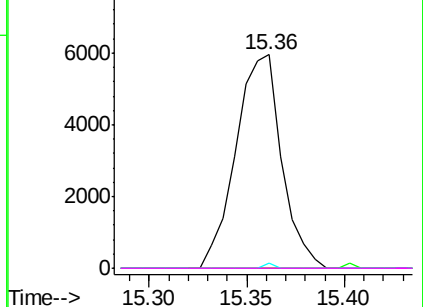


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG032380.D

Acq: 28 Jan 2018 6:52

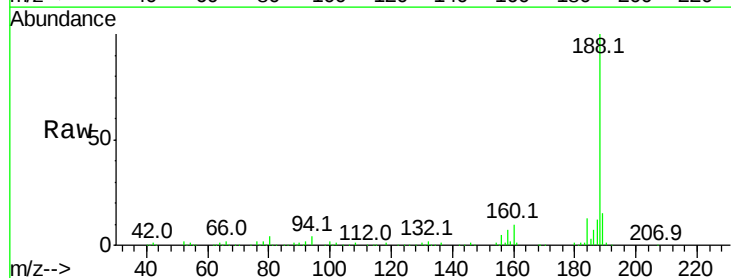
Tgt Ion:188 Resp: 205244

Ion Ratio Lower Upper

188 100

94 3.9 6.9 10.3#

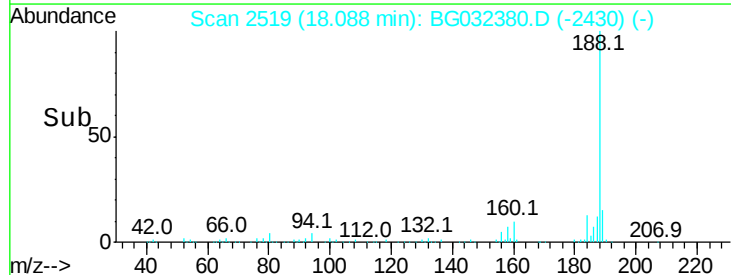
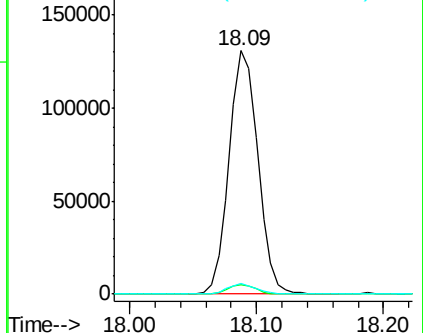
80 4.3 7.7 11.5#

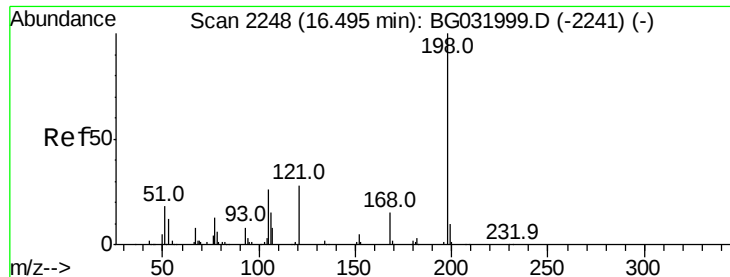


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

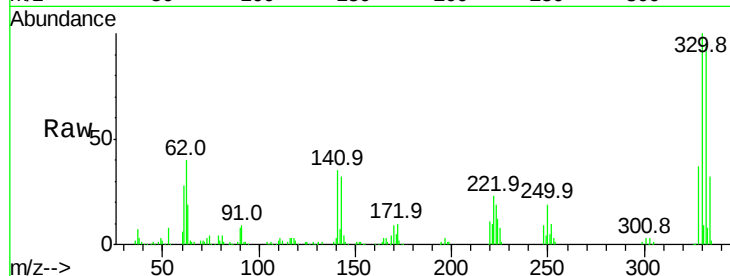




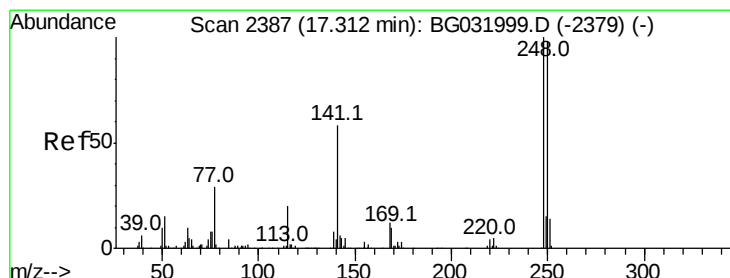
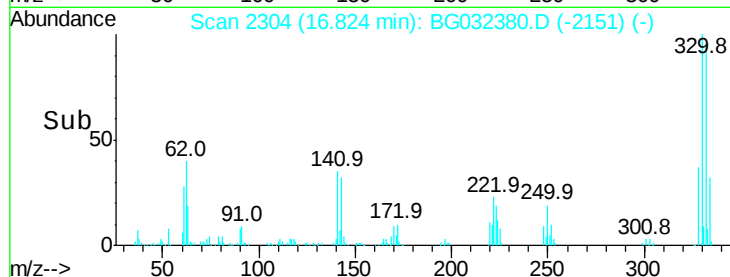
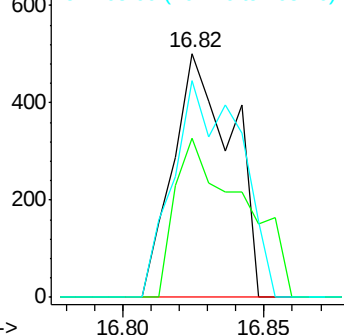
#64
4,6-Dinitro-2-methylphenol
Concen: 5.377 ng
RT: 16.82 min Scan# 2304
Delta R.T. 0.37 min
Lab File: BG032380.D
Acq: 28 Jan 2018 6:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:198 Resp: 720
Ion Ratio Lower Upper
198 100
51 65.1 30.6 70.6
105 89.2 23.8 63.8#

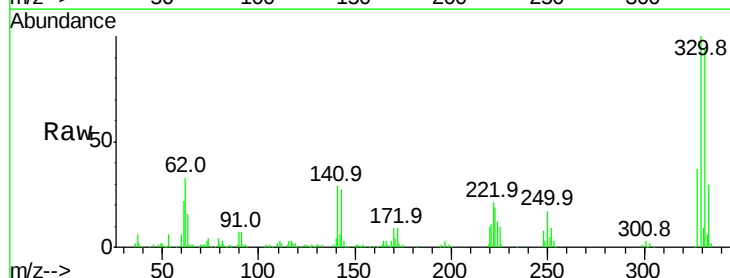


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG0
Ion 105.00 (104.70 to 105.70): E

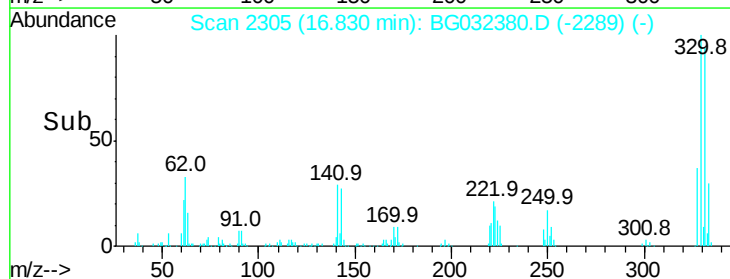
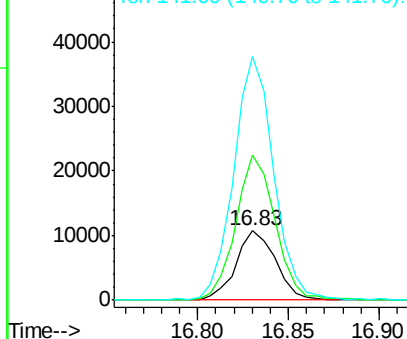


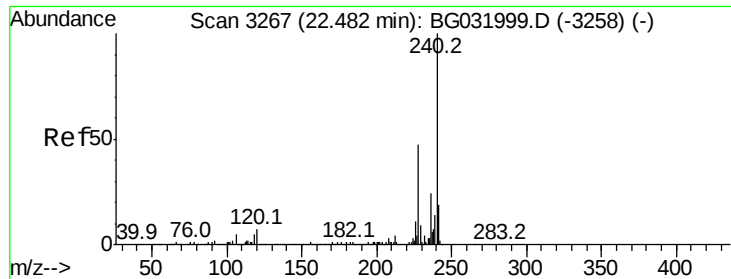
#66
4-Bromophenyl-phenylether
Concen: 5.582 ng
RT: 16.83 min Scan# 2305
Delta R.T. -0.44 min
Lab File: BG032380.D
Acq: 28 Jan 2018 6:52

Tgt Ion:248 Resp: 16302
Ion Ratio Lower Upper
248 100
250 208.3 77.1 115.7#
141 351.1 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

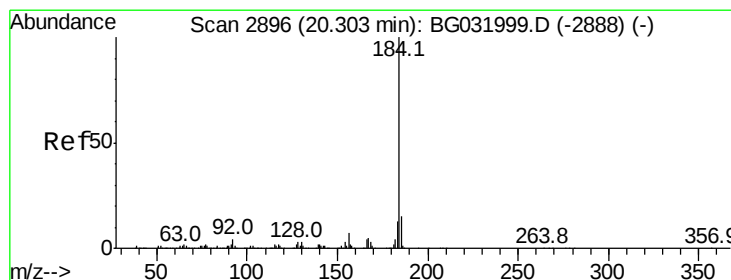
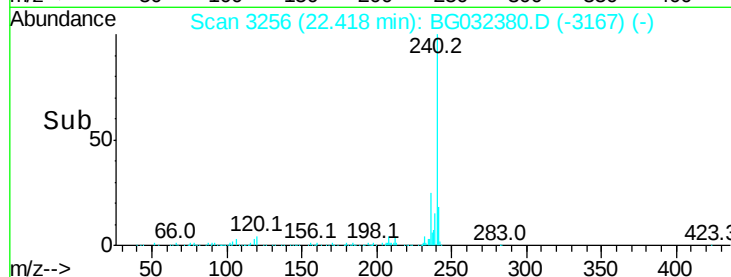
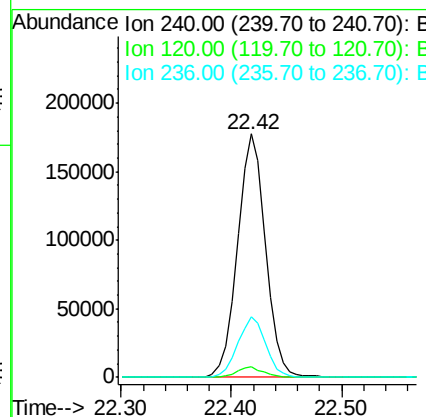
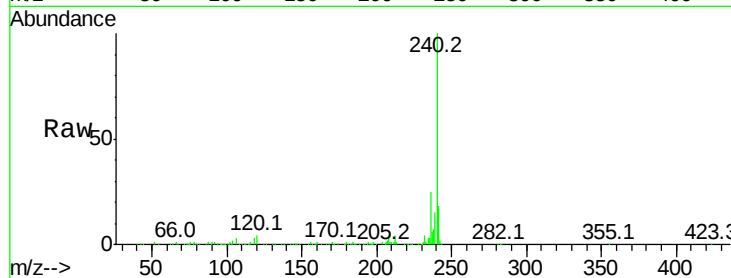




#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.42 min Scan# 3256
Delta R.T. -0.01 min
Lab File: BG032380.D
Acq: 28 Jan 2018 6:52

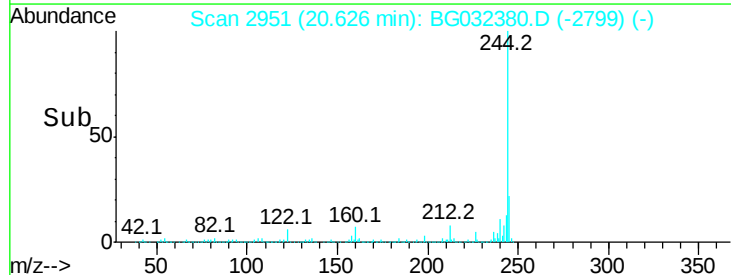
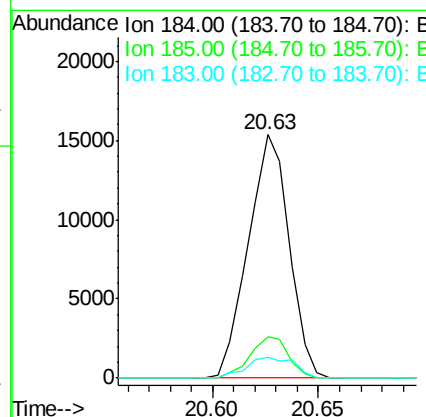
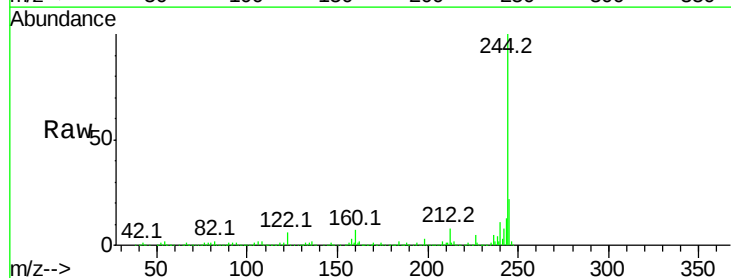
Instrument :
BNA_G
ClientSampleId :

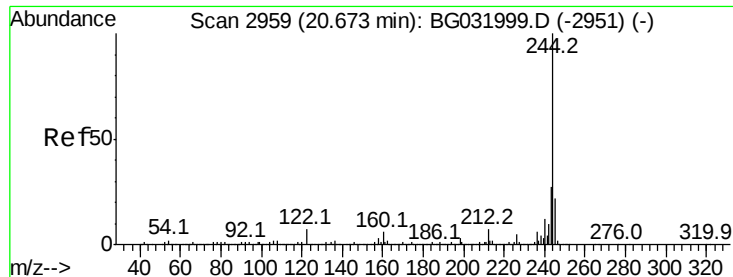
Tot Ion:240 Resp: 316208
Ion Ratio Lower Upper
240 100
120 4.2 6.8 10.2#
236 24.9 20.9 31.3



#76
Benzidine
Concen: 2.611 ng
RT: 20.63 min Scan# 2951
Delta R.T. 0.36 min
Lab File: BG032380.D
Acq: 28 Jan 2018 6:52

Tgt Ion:184 Resp: 20649
Ion Ratio Lower Upper
184 100
185 16.9 11.1 16.7#
183 8.5 10.6 16.0#





#78

Terphenyl-d14

Concen: 95.598 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.01 min

Lab File: BG032380.D

Acq: 28 Jan 2018 6:52

Instrument :

BNA_G

ClientSampled :

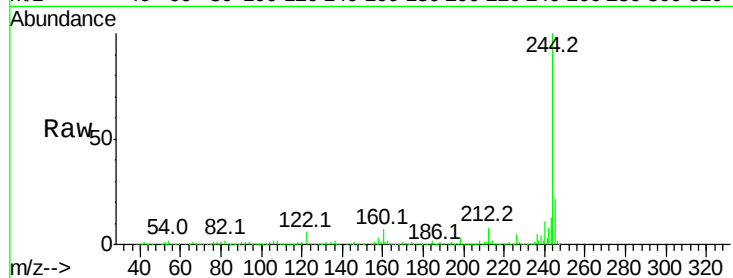
Tot Ion:244 Resp: 1369032

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

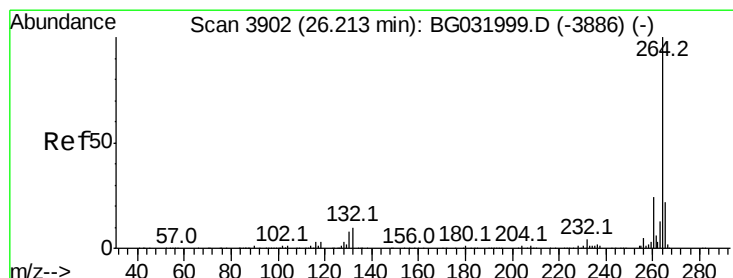
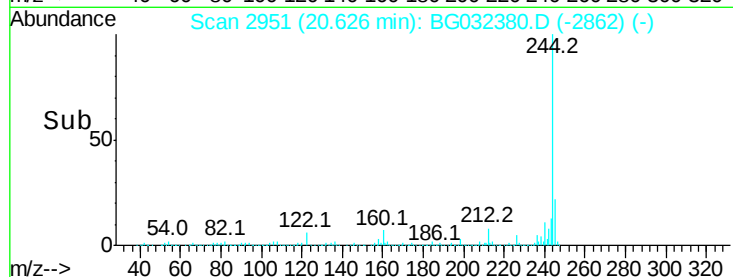
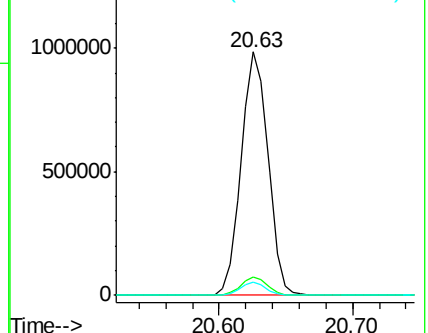
122 5.5 7.0 10.4#



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: 26.10 min Scan# 3883

Delta R.T. -0.01 min

Lab File: BG032380.D

Acq: 28 Jan 2018 6:52

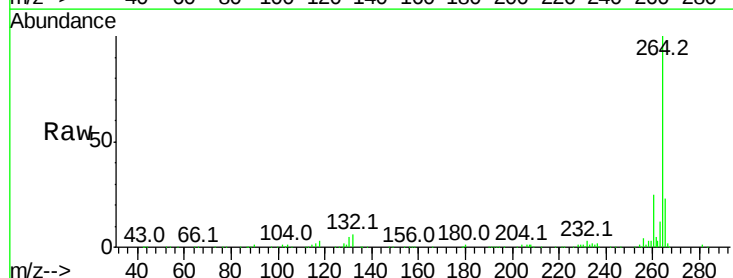
Tgt Ion:264 Resp: 327643

Ion Ratio Lower Upper

264 100

260 25.2 17.4 26.0

265 23.0 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

