

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012718\
 Data File : BG032354.D
 Acq On : 27 Jan 2018 13:38
 Operator : SJ/JU
 Sample : J1009-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 27 23:18:18 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	39603	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	146708	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	98144	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	266073	20.00	ng	0.00
75) Chrysene-d12	22.42	240	351048	20.00	ng	0.00
86) Perylene-d12	26.10	264	374222	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	258112	119.20	ng	0.00
7) Phenol-d6	7.83	99	284332	104.26	ng	0.00
23) Nitrobenzene-d5	9.92	82	213911	98.64	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	246339	151.68	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	722382	91.27	ng	0.00
78) Terphenyl-d14	20.63	244	1513529	95.20	ng	0.00

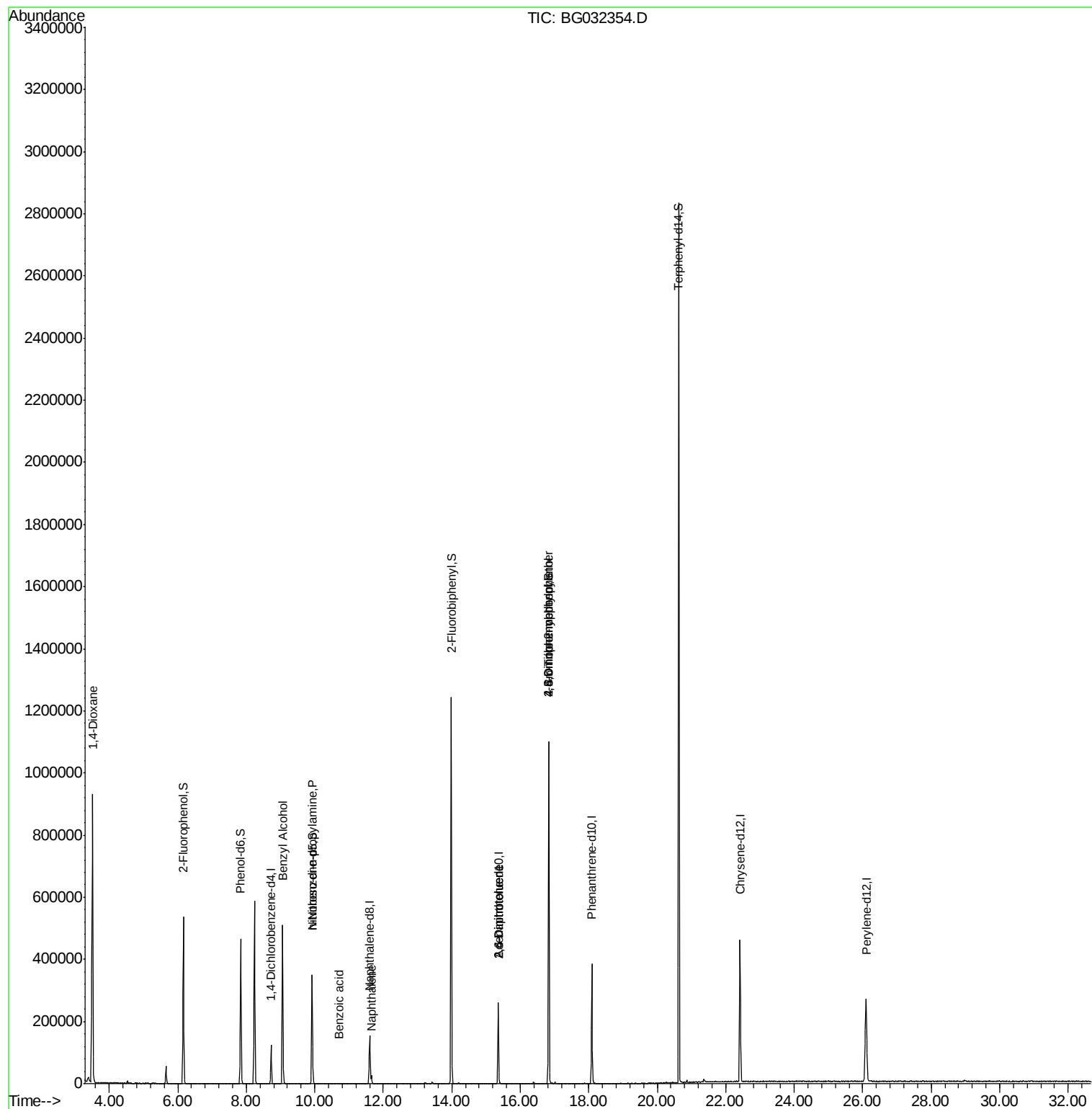
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.51	88	12683	15.246	ng	# 1
15) Benzyl Alcohol	9.06	79	4860	2.453	ng	# 51
19) n-Nitroso-di-n-propylamine	9.92	70	31340	18.522	ng	# 72
31) Naphthalene	11.65	128	23940	3.294	ng	# 97
32) Benzoic acid	10.72	122	78	5.299	ng	# 1
50) 2,6-Dinitrotoluene	15.36	165	13473	7.558	ng	# 20
56) 2,4-Dinitrotoluene	15.36	165	13473	5.614	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.84	198	566	5.183	ng	# 50
66) 4-Bromophenyl-phenylether	16.83	248	20866	5.512	ng	# 1

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 925

Delta R.T. -0.00 min

Lab File: BG032354.D

Acq: 27 Jan 2018 13:38

Instrument :

BNA_G

ClientSampleId :

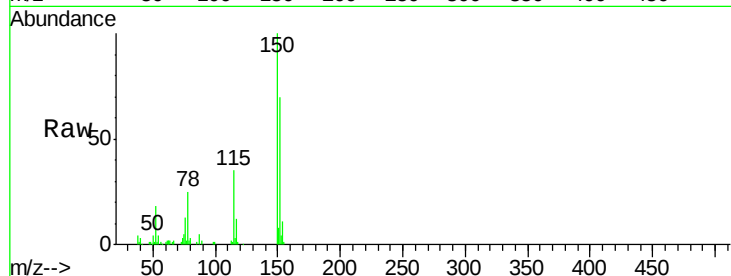
Tot Ion:152 Resp: 39603

Ion Ratio Lower Upper

152 100

150 142.1 126.6 189.8

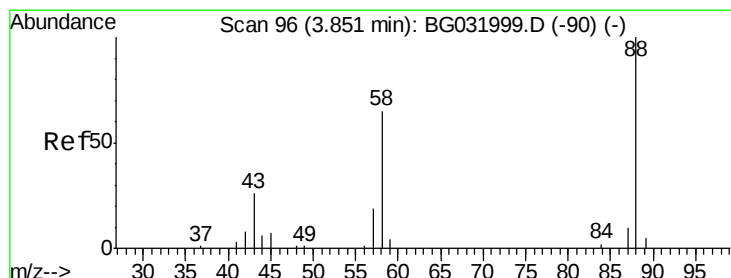
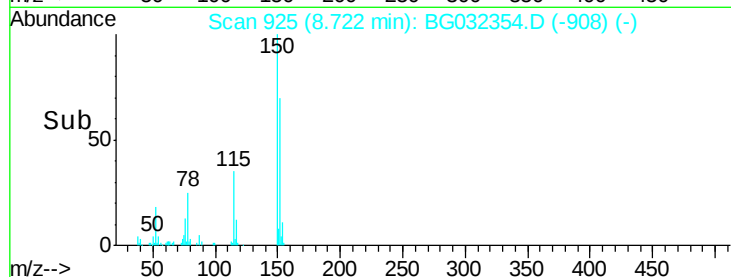
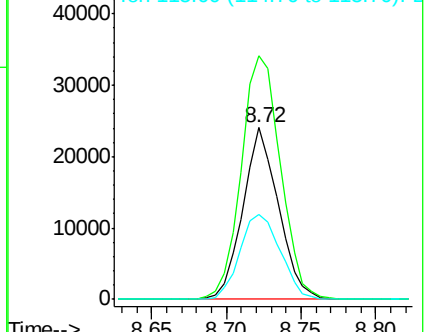
115 49.7 53.0 79.4#



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: 15.246 ng

RT: 3.51 min Scan# 38

Delta R.T. -0.31 min

Lab File: BG032354.D

Acq: 27 Jan 2018 13:38

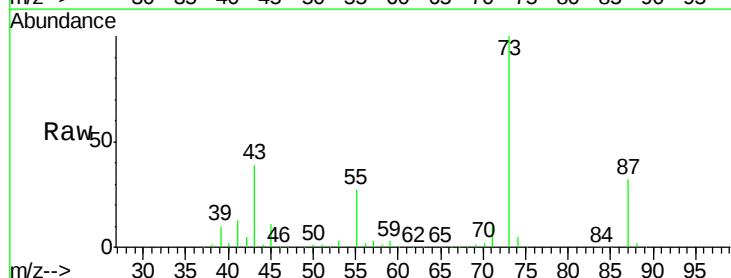
Tgt Ion: 88 Resp: 12683

Ion Ratio Lower Upper

88 100

58 36.7 79.6 119.4#

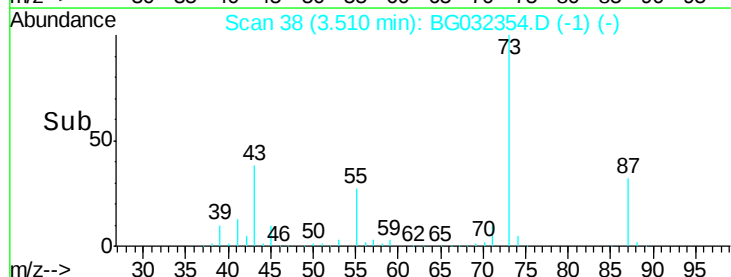
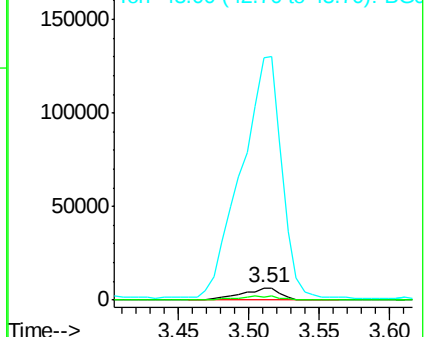
43 2053.4 27.4 41.0#

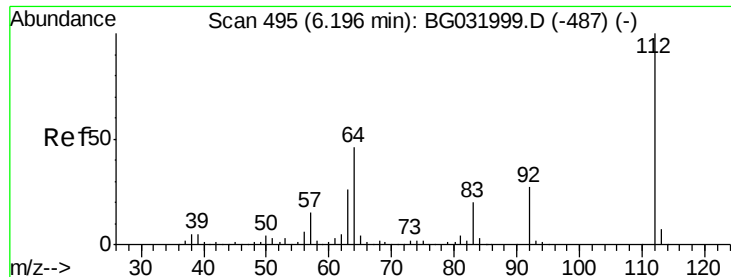


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 119.200 ng

RT: 6.16 min Scan# 489

Delta R.T. 0.00 min

Lab File: BG032354.D

Acq: 27 Jan 2018 13:38

Instrument :

BNA_G

ClientSampled :

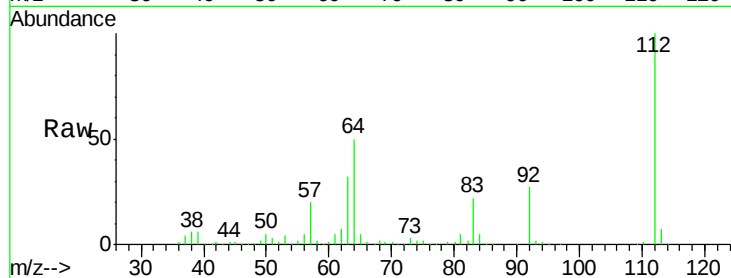
Tot Ion:112 Resp: 258112

Ion Ratio Lower Upper

112 100

64 50.0 56.3 84.5#

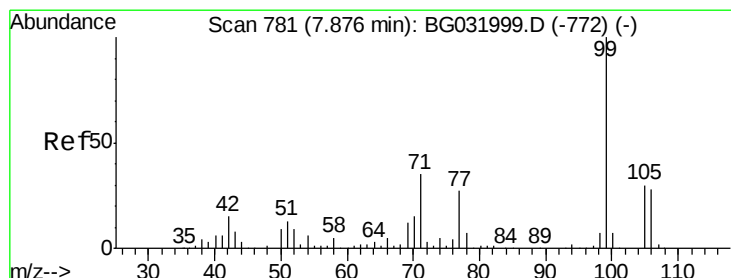
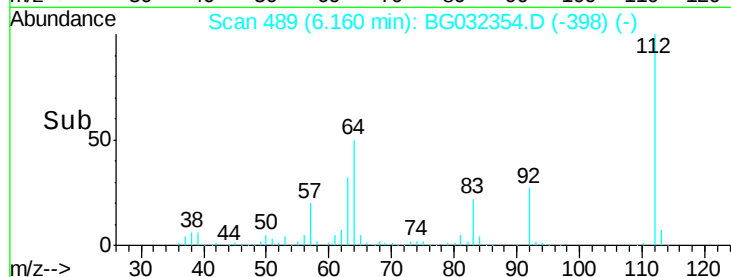
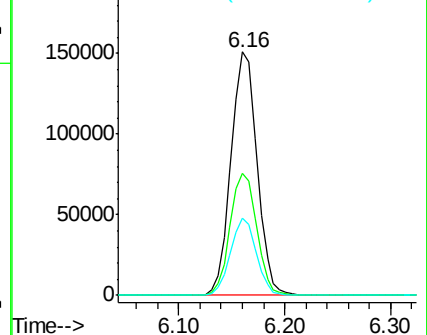
63 31.9 30.1 45.1



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: 104.260 ng

RT: 7.83 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG032354.D

Acq: 27 Jan 2018 13:38

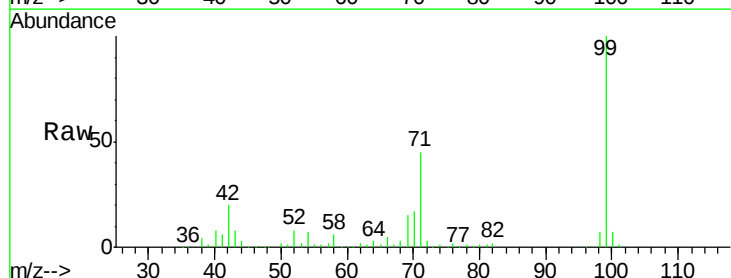
Tgt Ion: 99 Resp: 284332

Ion Ratio Lower Upper

99 100

42 20.1 14.1 21.1

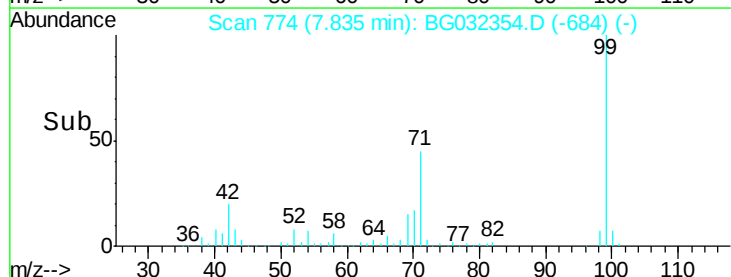
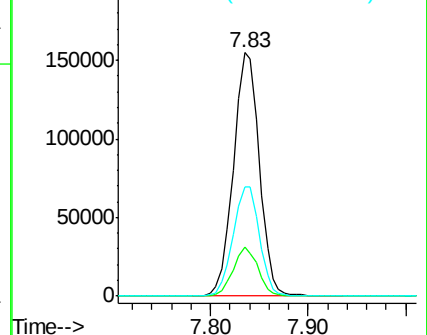
71 45.0 26.1 39.1#

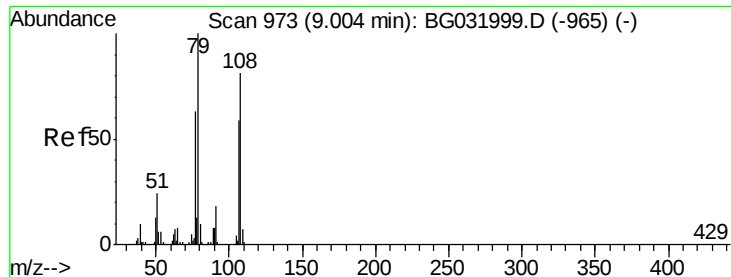


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.453 ng

RT: 9.06 min Scan# 983

Delta R.T. 0.10 min

Lab File: BG032354.D

Acq: 27 Jan 2018 13:38

Instrument :

BNA_G

ClientSampleId :

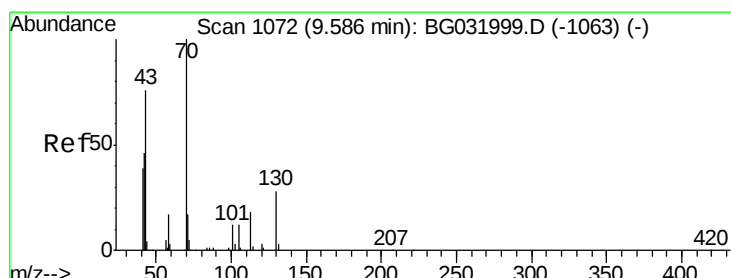
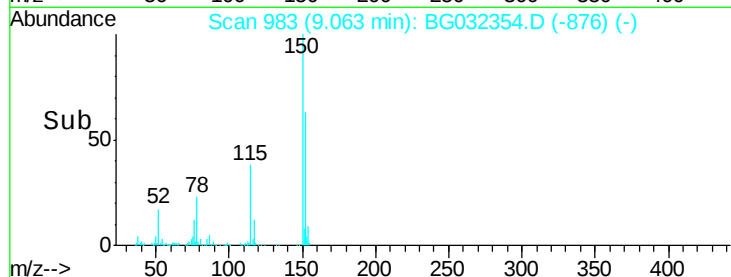
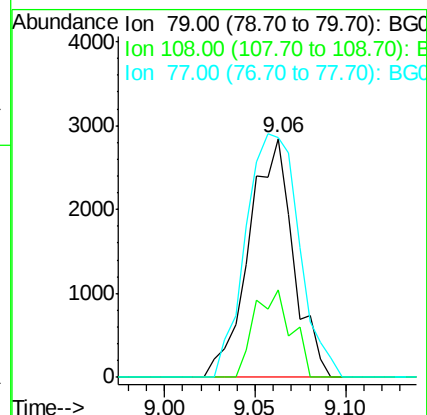
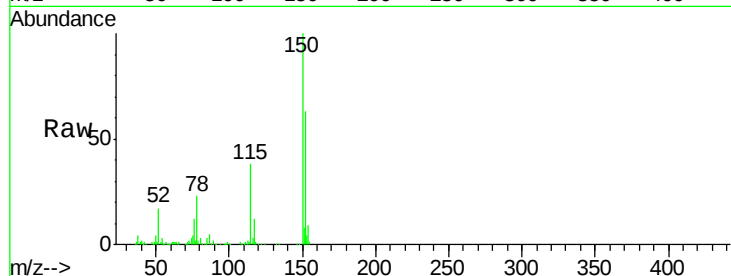
Tot Ion: 79 Resp: 4860

Ion Ratio Lower Upper

79 100

108 36.6 57.2 85.8#

77 100.4 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 18.522 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032354.D

Acq: 27 Jan 2018 13:38

Tgt Ion: 70 Resp: 31340

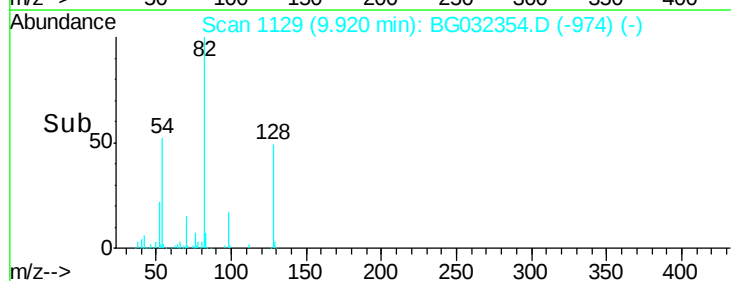
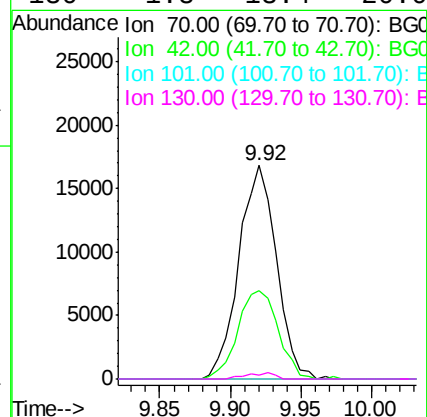
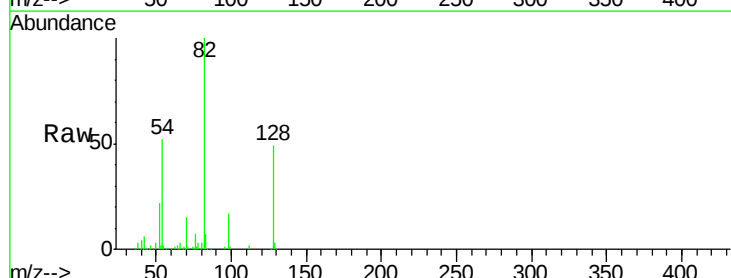
Ion Ratio Lower Upper

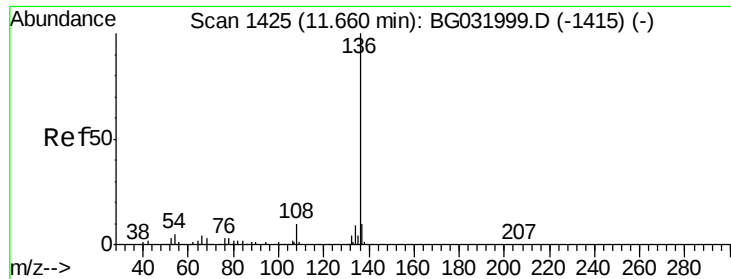
70 100

42 41.4 49.1 73.7#

101 0.0 8.5 12.7#

130 1.8 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: BG032354.D

Acq: 27 Jan 2018 13:38

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 146708

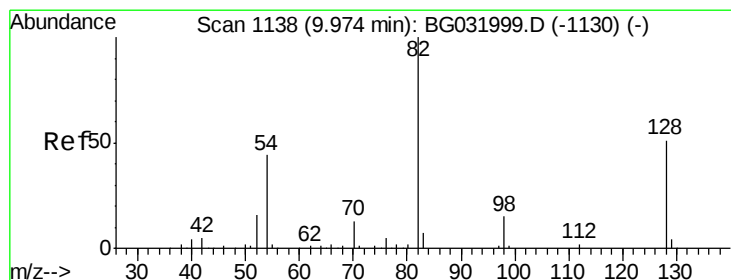
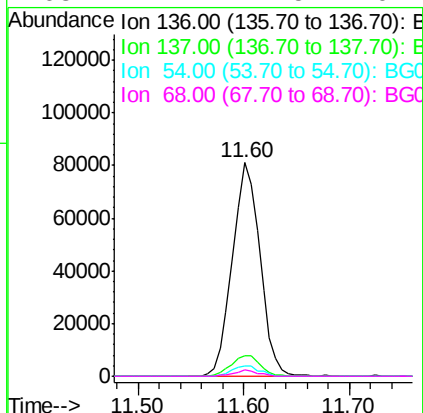
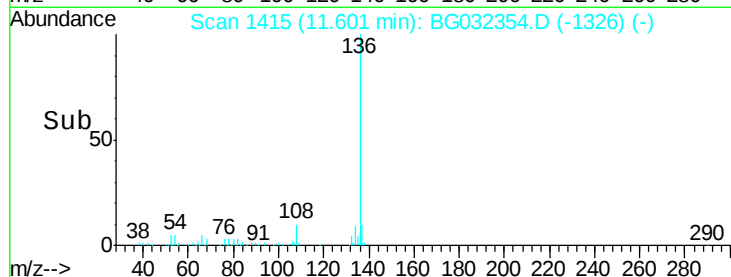
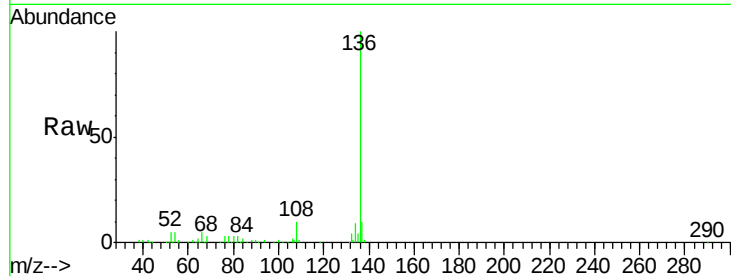
Ion Ratio Lower Upper

136 100

137 9.5 9.2 13.8

54 4.7 10.3 15.5#

68 2.7 4.5 6.7#



#23

Nitrobenzene-d5

Concen: 98.645 ng

RT: 9.92 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BG032354.D

Acq: 27 Jan 2018 13:38

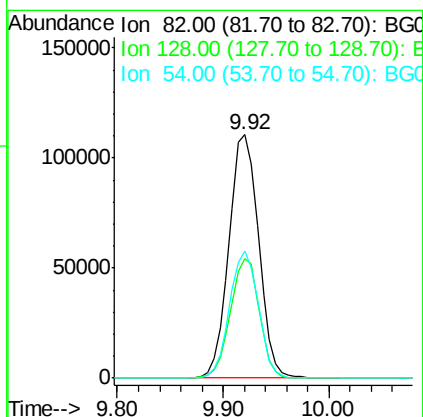
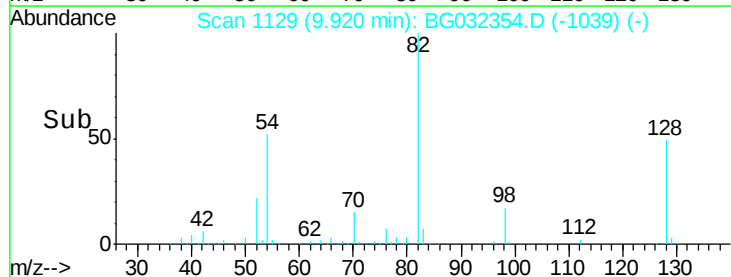
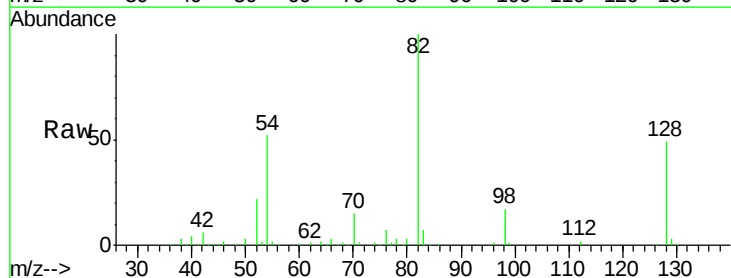
Tgt Ion: 82 Resp: 213911

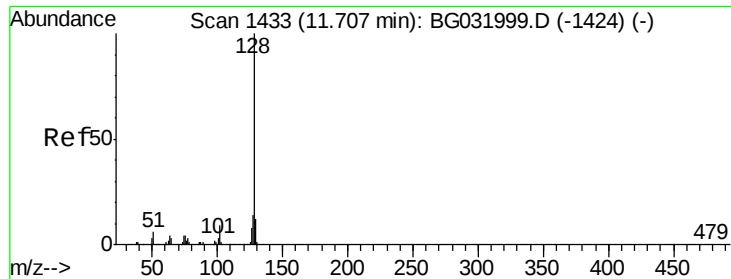
Ion Ratio Lower Upper

82 100

128 49.2 29.7 44.5#

54 52.1 43.1 64.7

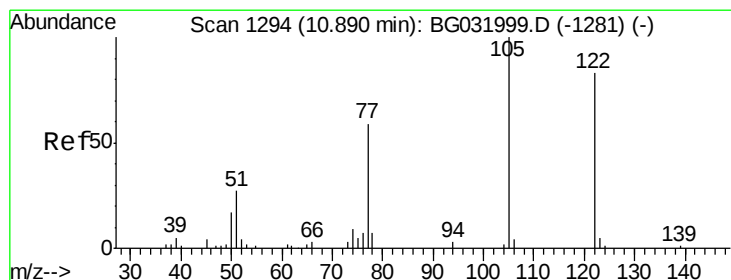
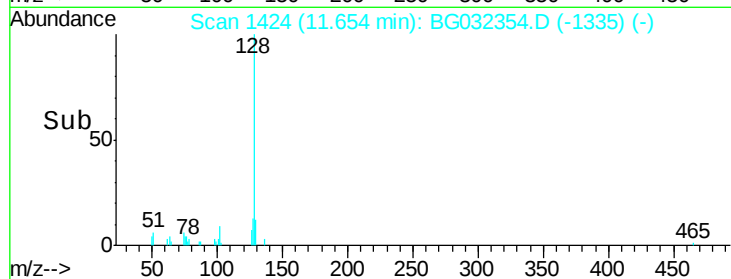
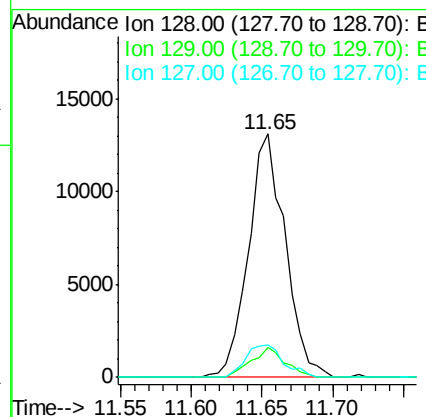
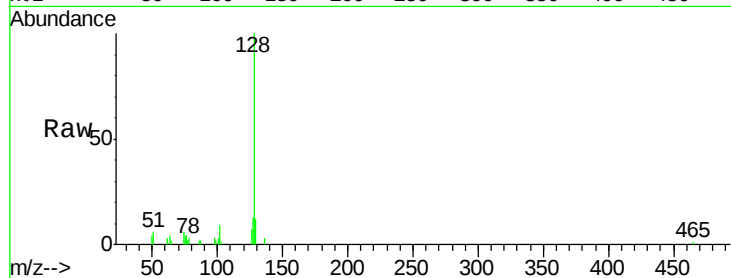




#31
Naphthalene
Concen: 3.294 ng
RT: 11.65 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BG032354.D
Acq: 27 Jan 2018 13:38

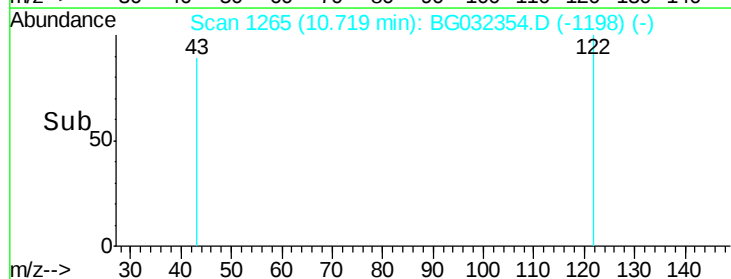
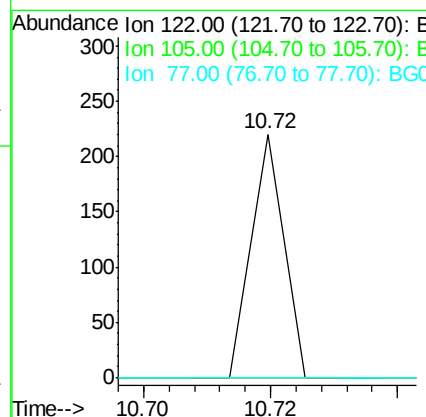
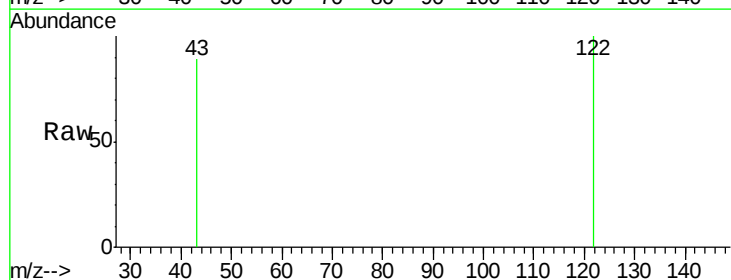
Instrument :
BNA_G
ClientSampleId :

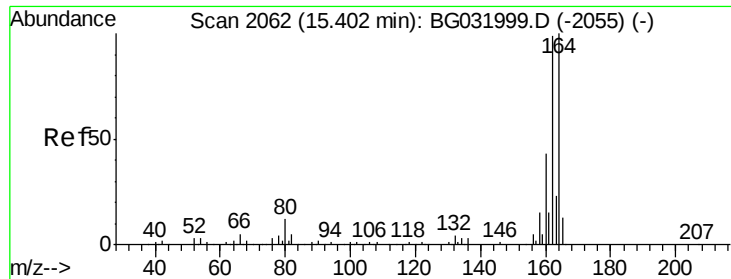
Tot Ion	Ratio	Lower	Upper
128	100		
129	12.1	8.6	12.8
127	13.4	11.6	17.4



#32
Benzoic acid
Concen: 5.299 ng
RT: 10.72 min Scan# 1265
Delta R.T. -0.14 min
Lab File: BG032354.D
Acq: 27 Jan 2018 13:38

Tgt 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: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032354.D

Acq: 27 Jan 2018 13:38

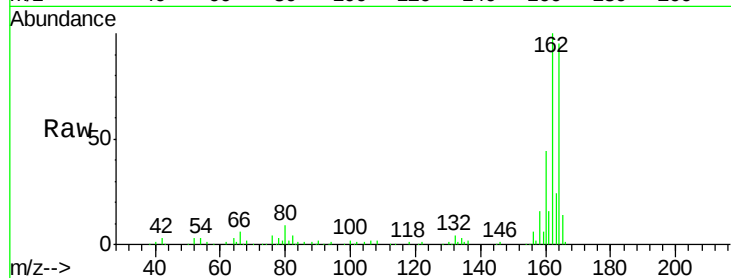
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 98144

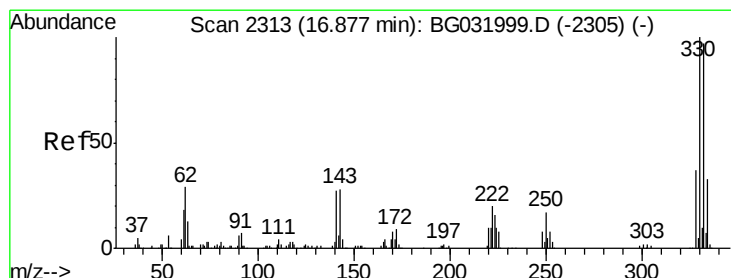
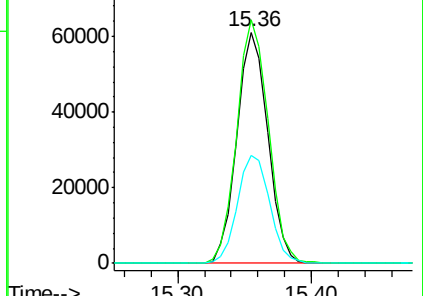
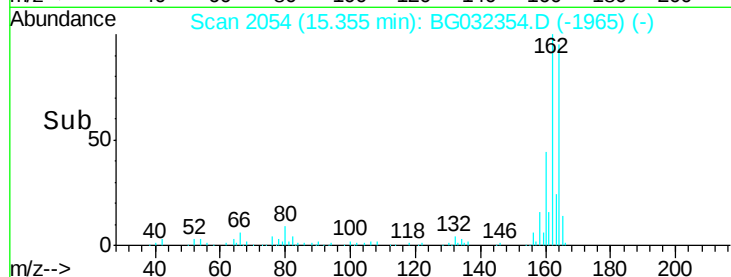
Ion	Ratio	Lower	Upper
164	100		
162	105.3	78.8	118.2
160	46.5	35.4	53.0



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: 151.682 ng

RT: 16.83 min Scan# 2305

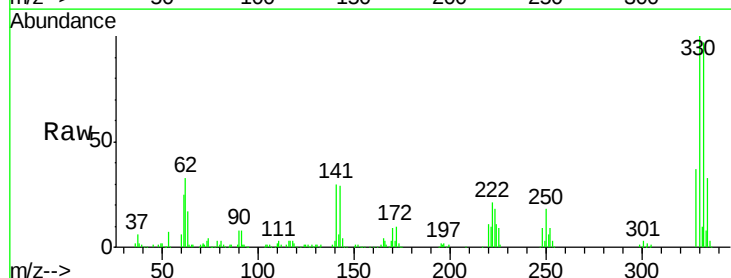
Delta R.T. -0.01 min

Lab File: BG032354.D

Acq: 27 Jan 2018 13:38

Tgt Ion:330 Resp: 246339

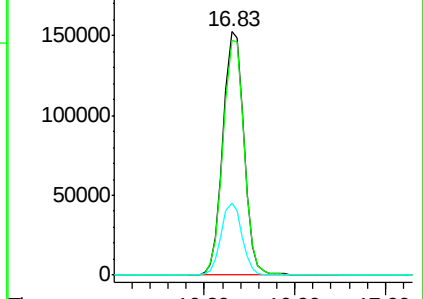
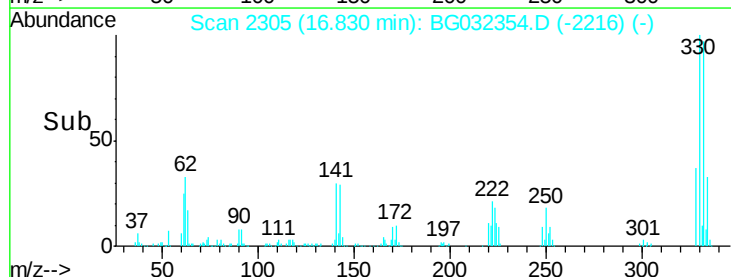
Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	29.5	25.2	37.8

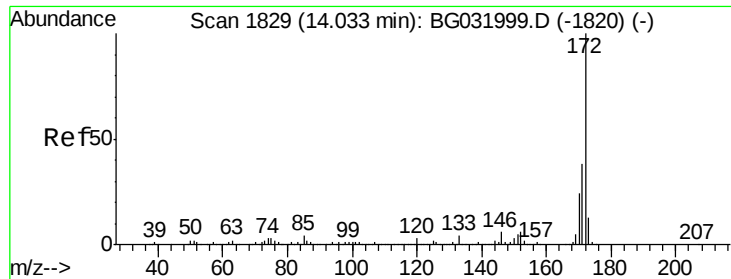


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

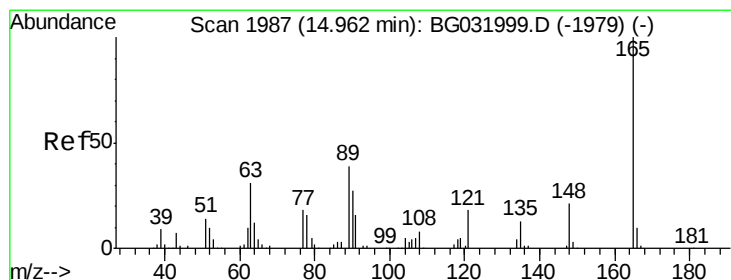
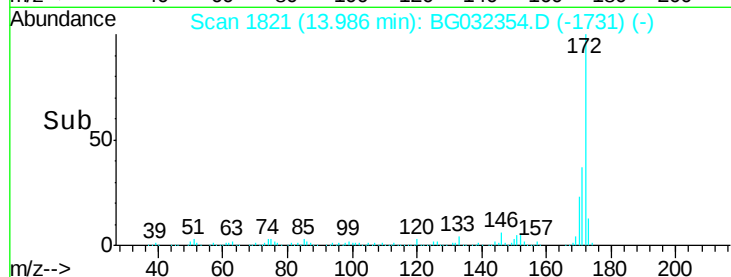
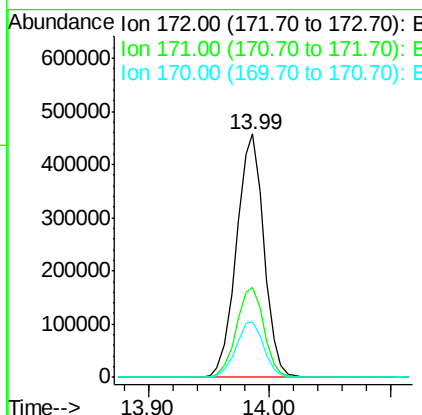
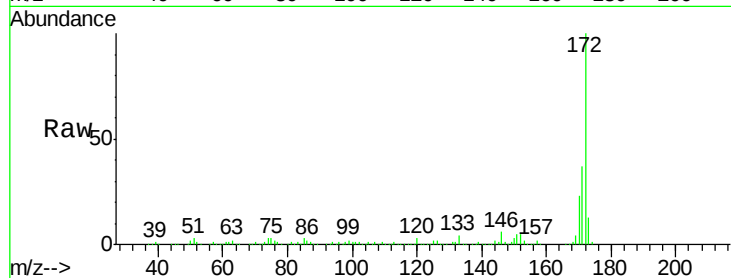




#44
 2-Fluorobiphenyl
 Concen: 91.266 ng
 RT: 13.99 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: BG032354.D
 Acq: 27 Jan 2018 13:38

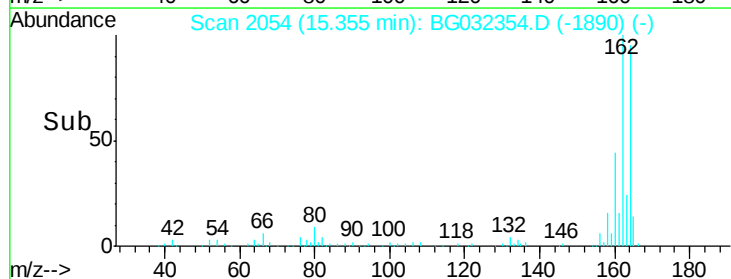
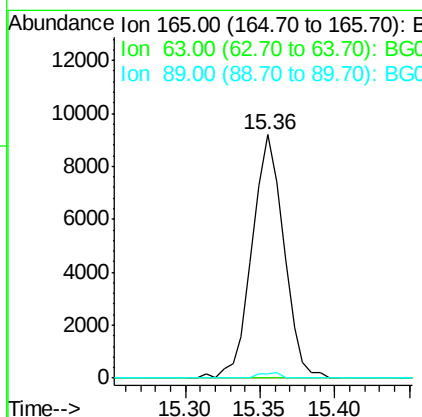
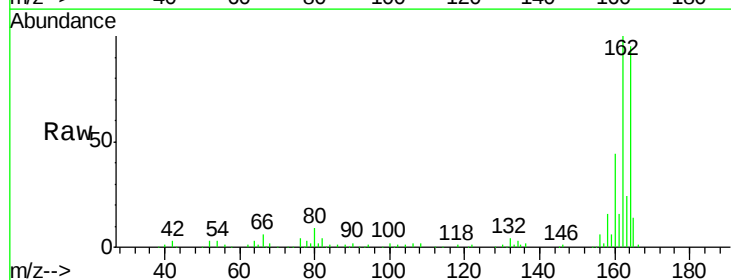
Instrument :
 BNA_G
 ClientSampleId :

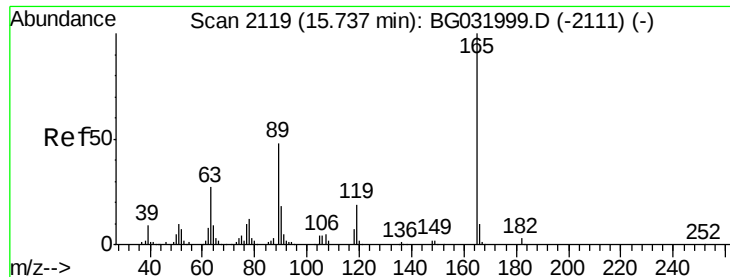
Tot Ion:172 Resp: 722382
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.0 45.0
 170 22.5 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.558 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. 0.43 min
 Lab File: BG032354.D
 Acq: 27 Jan 2018 13:38

Tgt Ion:165 Resp: 13473
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.0 49.2 73.8#

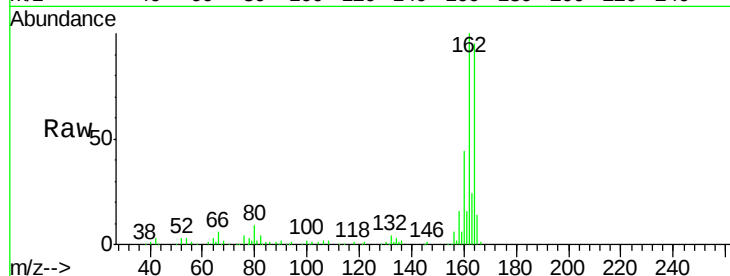




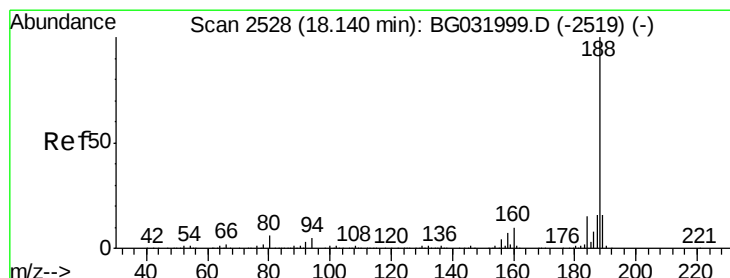
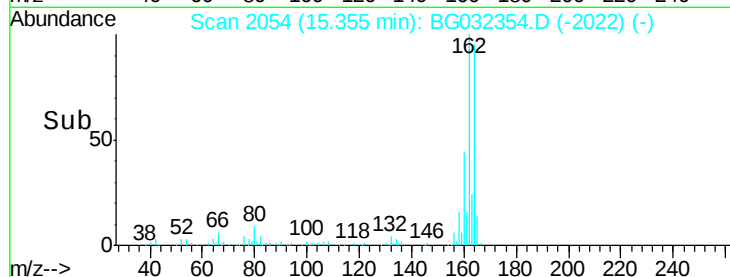
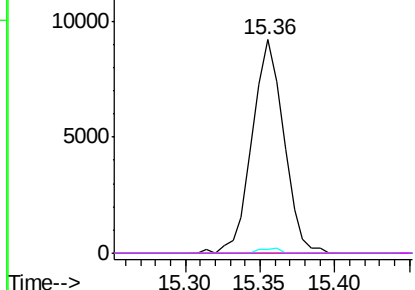
#56
 2,4-Dinitrotoluene
 Concen: 5.614 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032354.D
 Acq: 27 Jan 2018 13:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 13473
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 2.0 66.9 100.3#
 182 0.0 2.6 3.8#

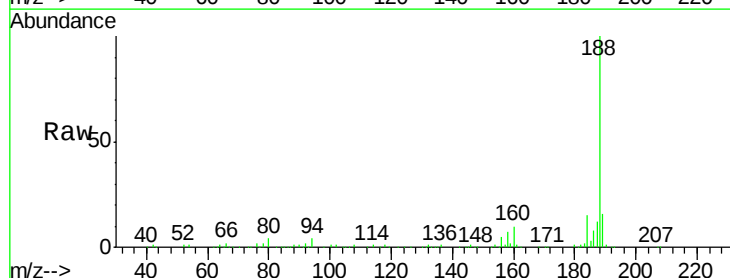


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

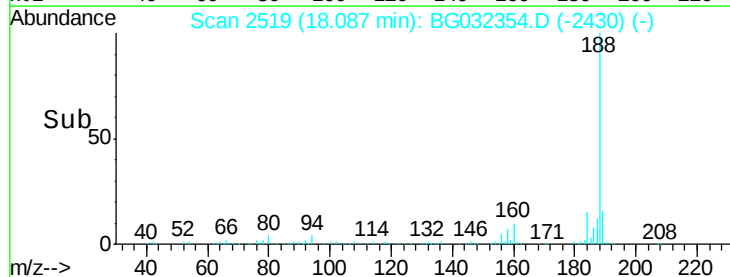
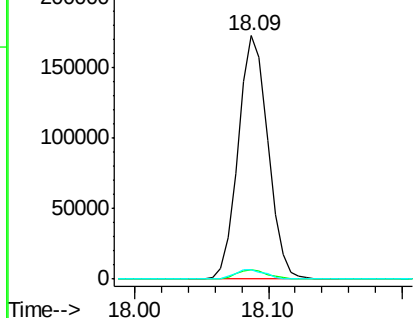


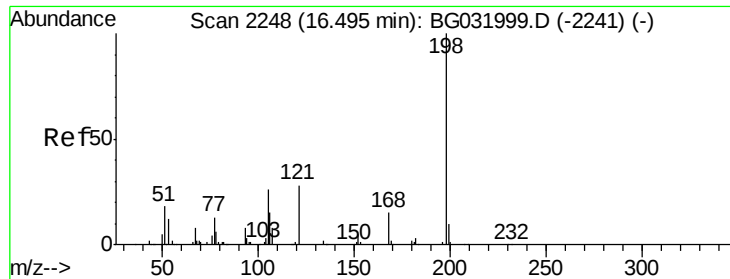
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BG032354.D
 Acq: 27 Jan 2018 13:38

Tgt Ion:188 Resp: 266073
 Ion Ratio Lower Upper
 188 100
 94 4.1 6.9 10.3#
 80 4.0 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

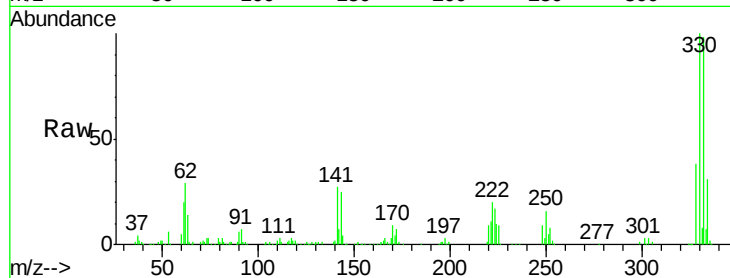




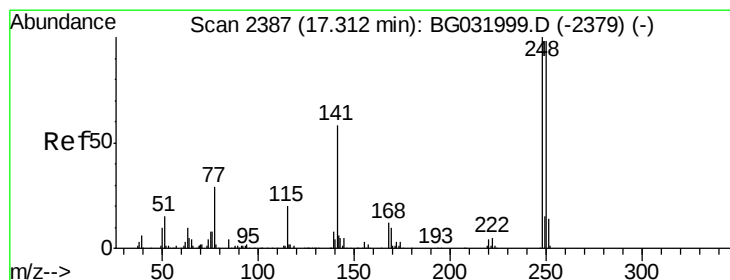
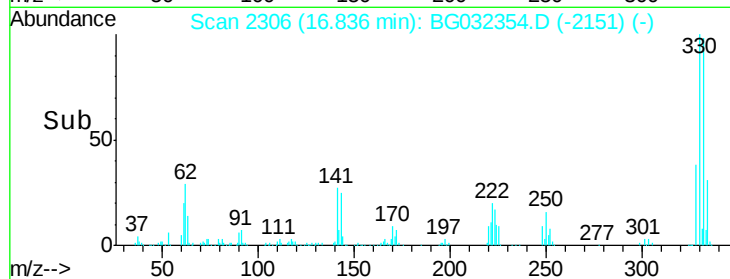
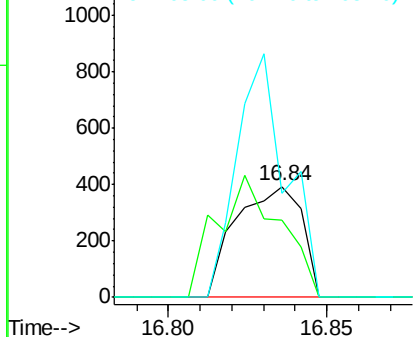
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.183 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. 0.38 min
 Lab File: BG032354.D
 Acq: 27 Jan 2018 13:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 566
 Ion Ratio Lower Upper
 198 100
 51 69.5 30.6 70.6
 105 93.4 23.8 63.8#

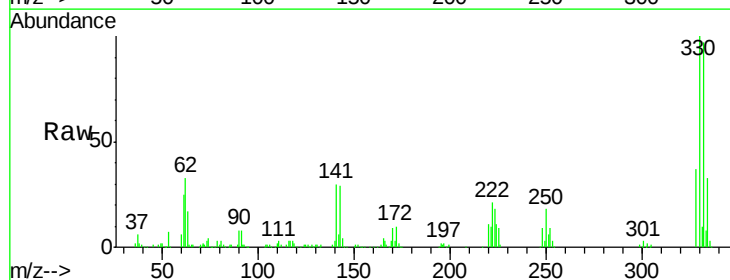


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

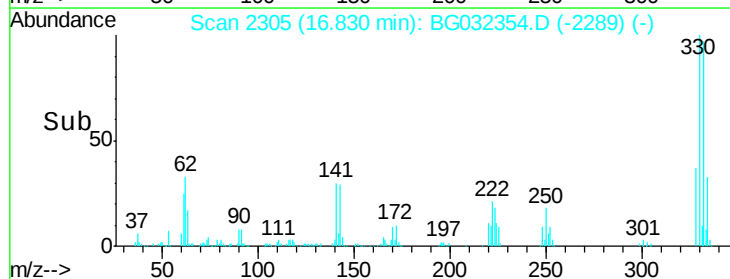
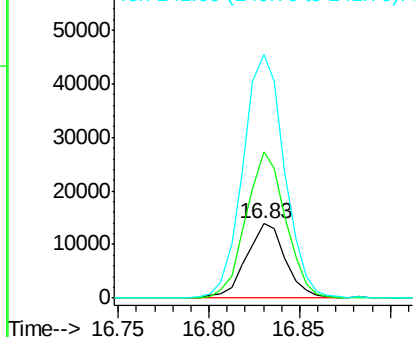


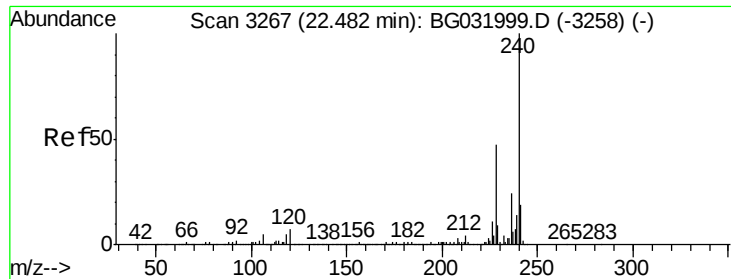
#66
 4-Bromophenyl-phenylether
 Concen: 5.512 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. -0.44 min
 Lab File: BG032354.D
 Acq: 27 Jan 2018 13:38

Tgt Ion:248 Resp: 20866
 Ion Ratio Lower Upper
 248 100
 250 196.3 77.1 115.7#
 141 326.4 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: BG032354.D

Acq: 27 Jan 2018 13:38

Instrument :

BNA_G

ClientSampled :

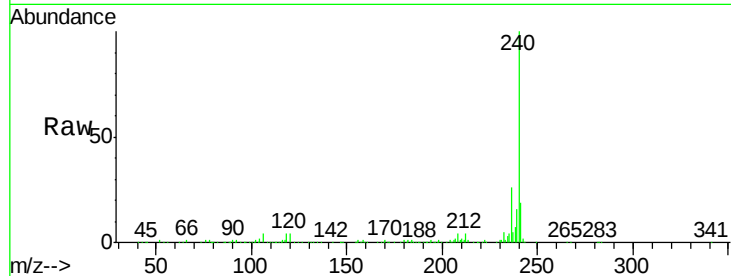
Tot Ion:240 Resp: 351048

Ion Ratio Lower Upper

240 100

120 4.1 6.8 10.2#

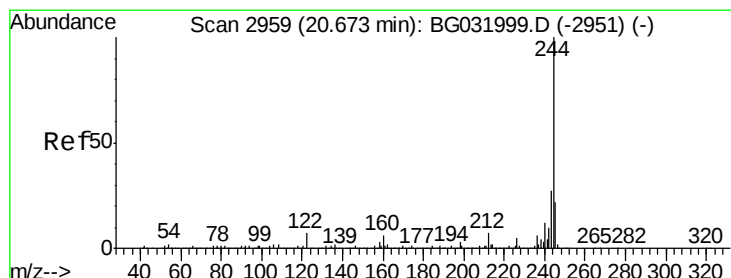
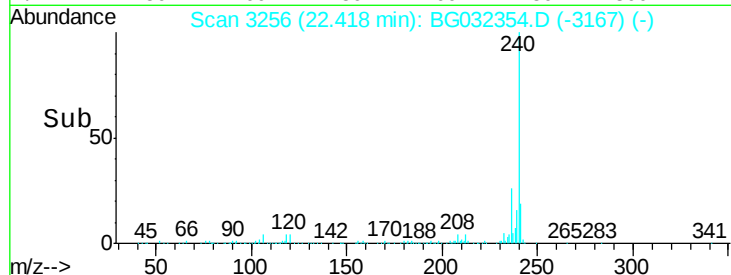
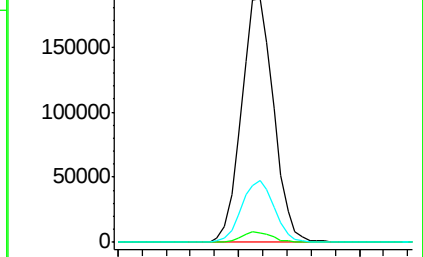
236 25.5 20.9 31.3



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: 95.199 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.01 min

Lab File: BG032354.D

Acq: 27 Jan 2018 13:38

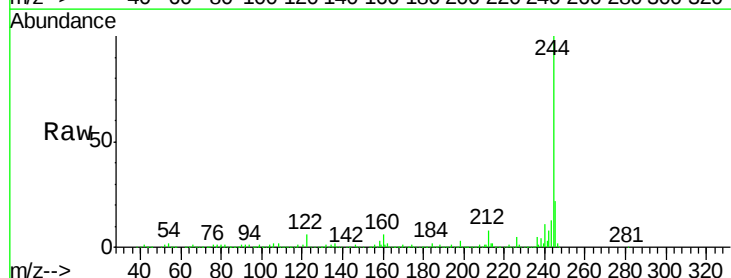
Tgt Ion:244 Resp: 1513529

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

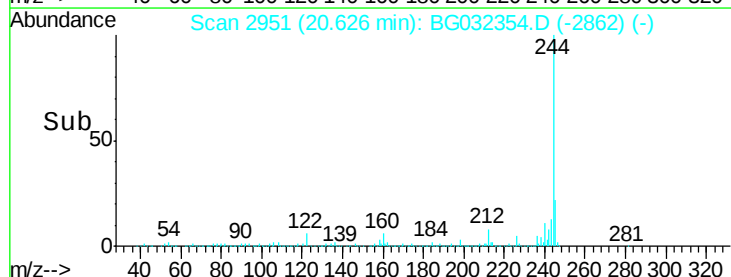
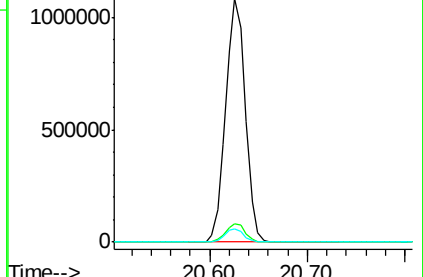
122 5.7 7.0 10.4#

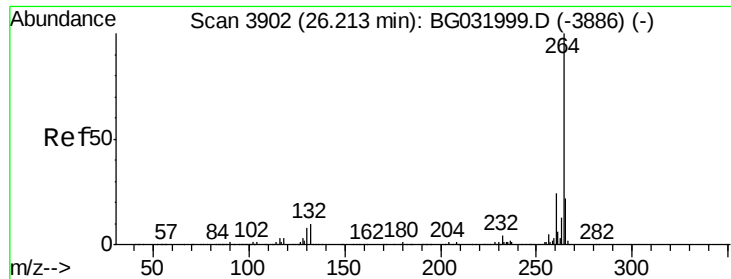


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.10 min Scan# 3882
Delta R.T. -0.01 min
Lab File: BG032354.D
Acq: 27 Jan 2018 13:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 374222

Ion	Ratio	Lower	Upper
264	100		
260	24.4	17.4	26.0
265	20.7	17.7	26.5

