

Data Path : U:\HPCHEM1\BNA G\DATA\BG012718\
 Data File : BG032383.D
 Acq On : 28 Jan 2018 8:45
 Operator : SJ/JU
 Sample : J1009-08
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 29 01:08:52 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	37559	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	134303	20.00	ng	0.00
38) Acenaphthene-d10	15.35	164	88694	20.00	ng	-0.01
63) Phenanthrene-d10	18.09	188	242704	20.00	ng	0.00
75) Chrysene-d12	22.41	240	338499	20.00	ng	-0.01
86) Perylene-d12	26.09	264	353489	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	221946	108.08	ng	0.00
7) Phenol-d6	7.84	99	254016	98.21	ng	0.00
23) Nitrobenzene-d5	9.92	82	193699	97.57	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	228590	155.75	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	663581	92.77	ng	0.00
78) Terphenyl-d14	20.63	244	1433605	93.51	ng	0.00

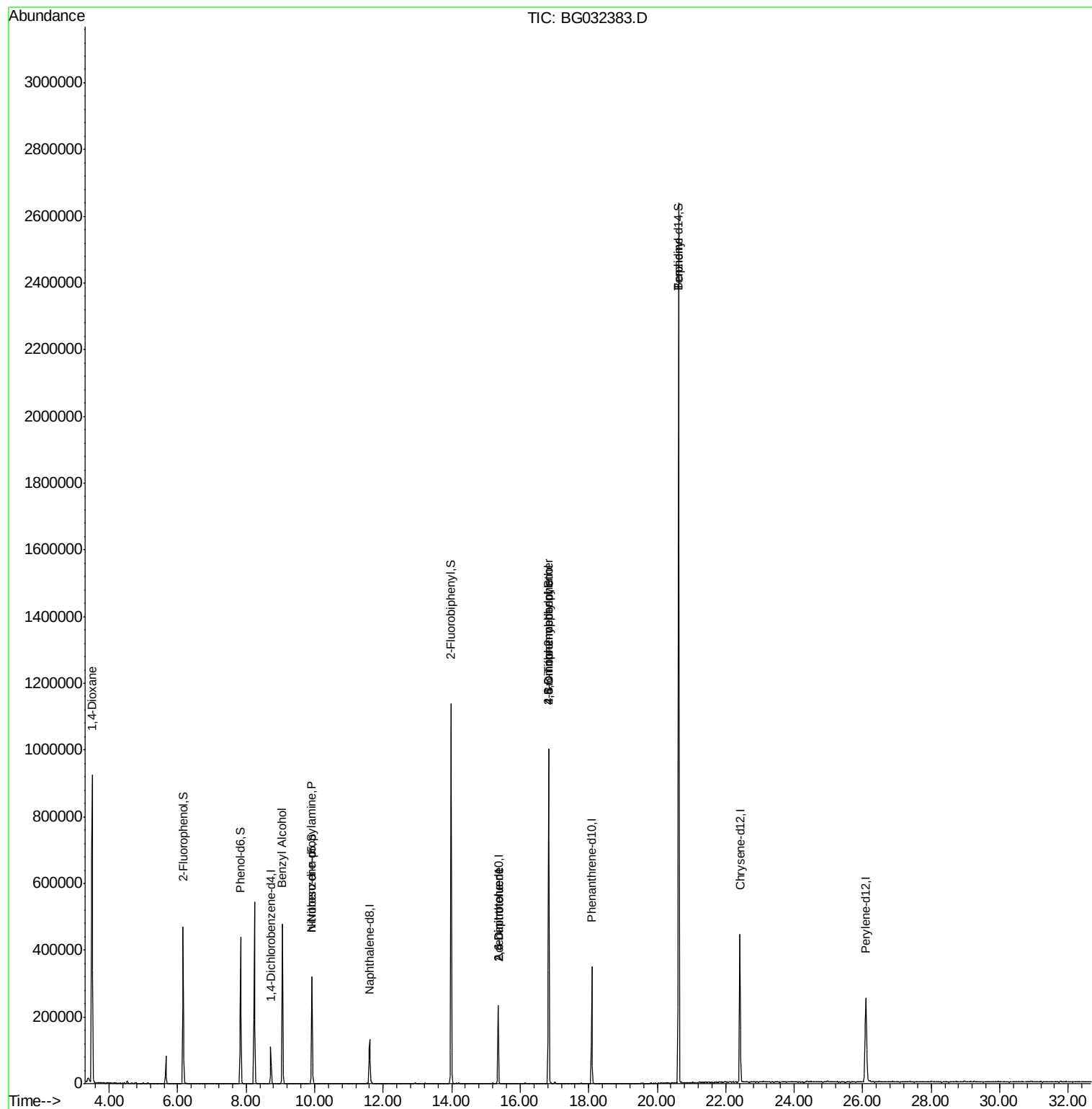
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.50	88	10815	13.708	ng	# 1
15) Benzyl Alcohol	9.05	79	4041	2.151	ng	# 40
19) n-Nitroso-di-n-propylamine	9.92	70	29537	18.406	ng	# 71
50) 2,6-Dinitrotoluene	15.35	165	11733	7.283	ng	# 18
56) 2,4-Dinitrotoluene	15.35	165	11733	5.410	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.83	198	826	5.362	ng	# 51
66) 4-Bromophenyl-phenylether	16.83	248	19615	5.680	ng	# 1
76) Benzidine	20.63	184	22001	2.599	ng	# 93

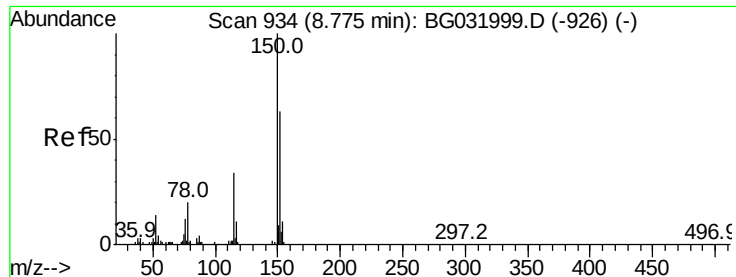
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG032383.D

Acq: 28 Jan 2018 8:45

Instrument :

BNA_G

ClientSampleId :

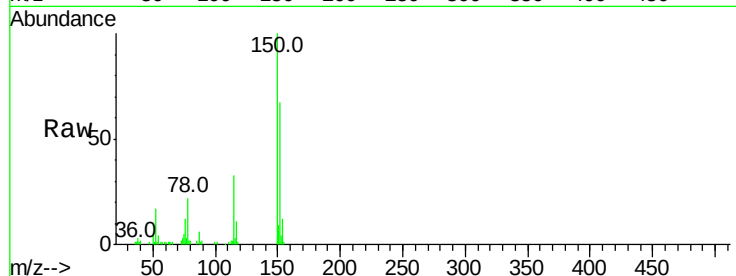
Tot Ion:152 Resp: 37559

Ion Ratio Lower Upper

152 100

150 150.1 126.6 189.8

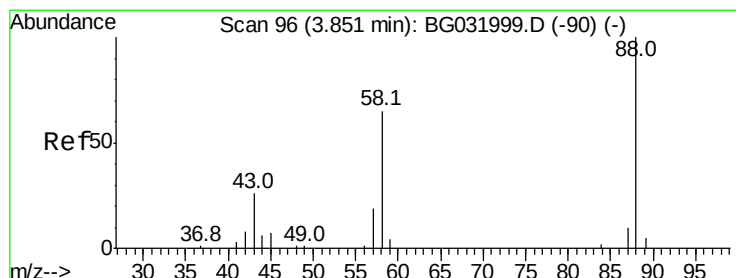
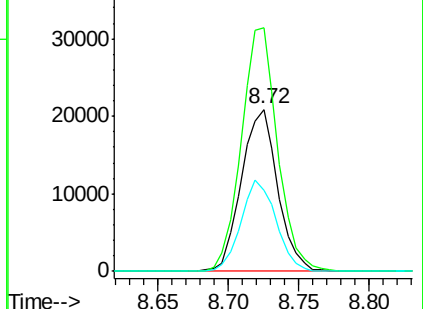
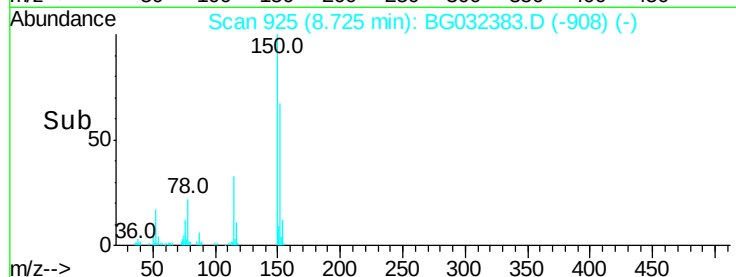
115 49.6 53.0 79.4#



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: 13.708 ng

RT: 3.50 min Scan# 36

Delta R.T. -0.32 min

Lab File: BG032383.D

Acq: 28 Jan 2018 8:45

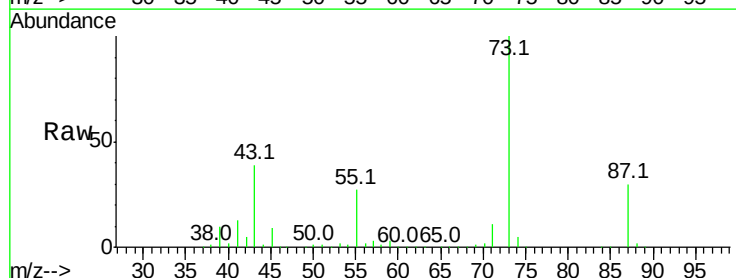
Tgt Ion: 88 Resp: 10815

Ion Ratio Lower Upper

88 100

58 39.7 79.6 119.4#

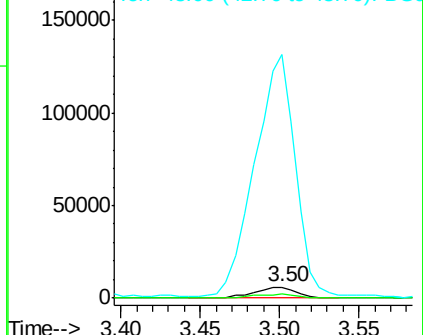
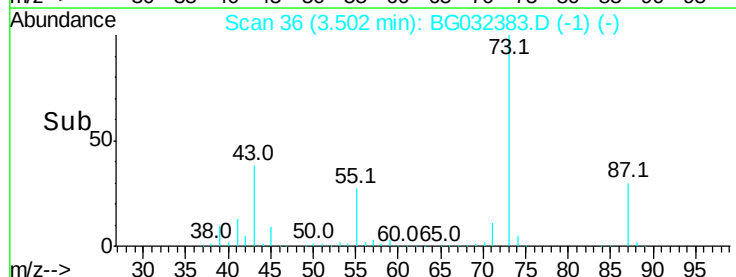
43 2170.4 27.4 41.0#

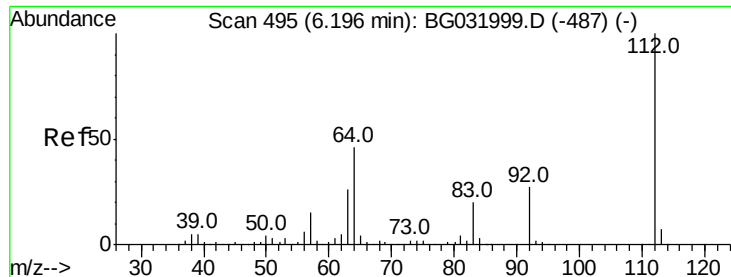


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 108.076 ng

RT: 6.16 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG032383.D

Acq: 28 Jan 2018 8:45

Instrument :

BNA_G

ClientSampleId :

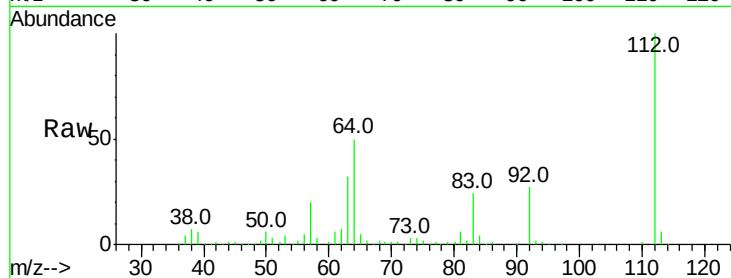
Tot Ion:112 Resp: 221946

Ion Ratio Lower Upper

112 100

64 50.4 56.3 84.5#

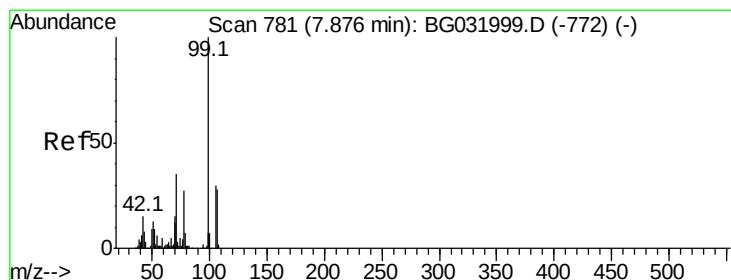
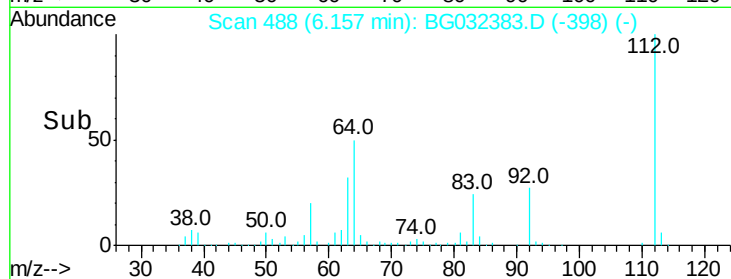
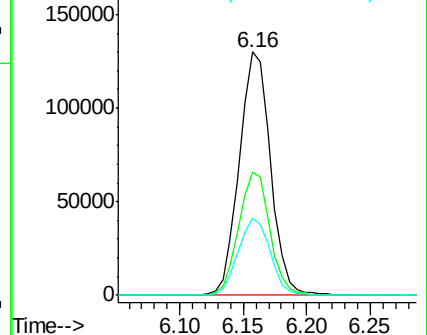
63 31.9 30.1 45.1



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: 98.213 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.00 min

Lab File: BG032383.D

Acq: 28 Jan 2018 8:45

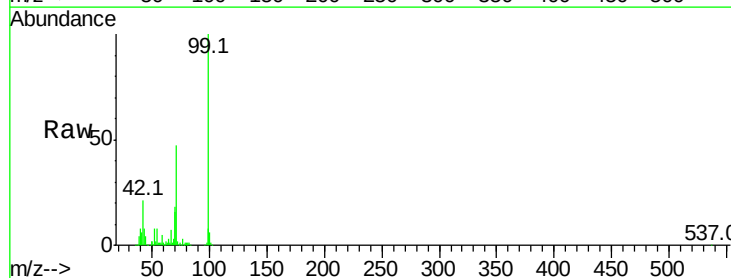
Tgt Ion: 99 Resp: 254016

Ion Ratio Lower Upper

99 100

42 20.6 14.1 21.1

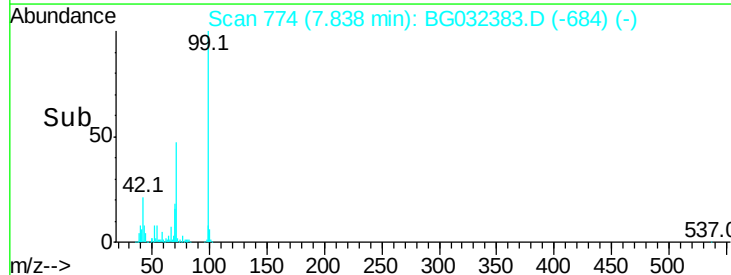
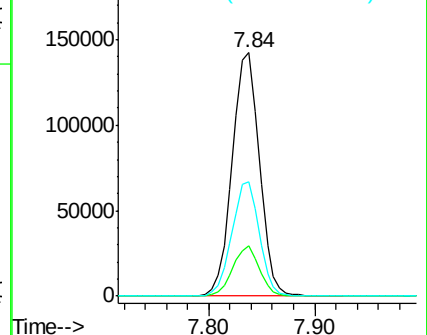
71 47.1 26.1 39.1#

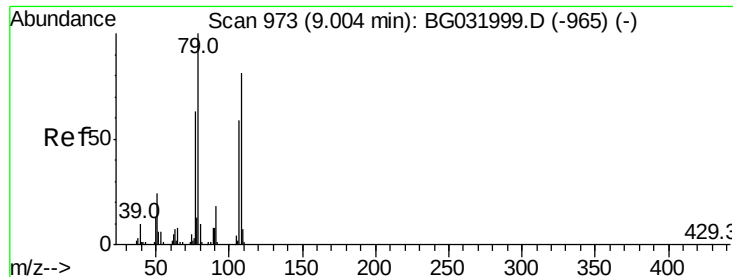


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.151 ng

RT: 9.05 min Scan# 980

Delta R.T. 0.08 min

Lab File: BG032383.D

Acq: 28 Jan 2018 8:45

Instrument :

BNA_G

ClientSampleId :

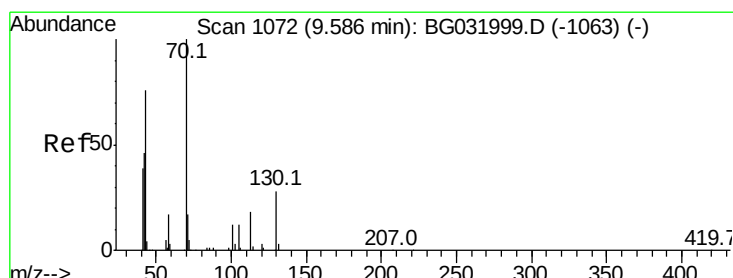
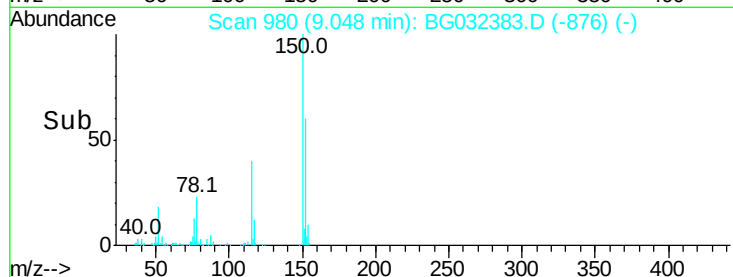
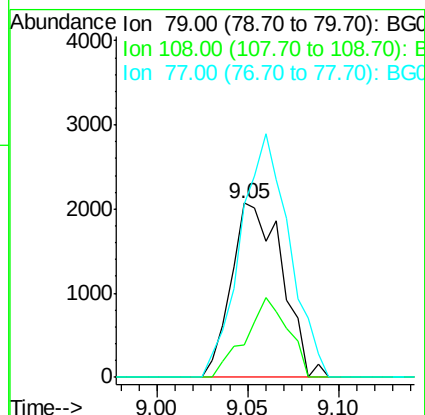
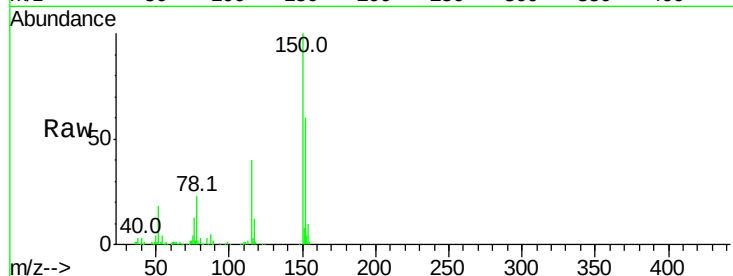
Tot Ion: 79 Resp: 4041

Ion Ratio Lower Upper

79 100

108 18.7 57.2 85.8#

77 99.4 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 18.406 ng

RT: 9.92 min Scan# 1128

Delta R.T. 0.38 min

Lab File: BG032383.D

Acq: 28 Jan 2018 8:45

Tgt Ion: 70 Resp: 29537

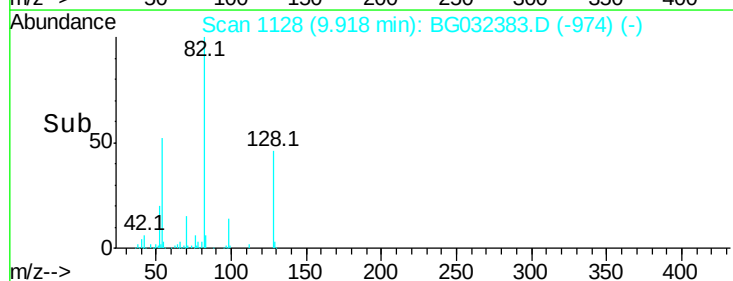
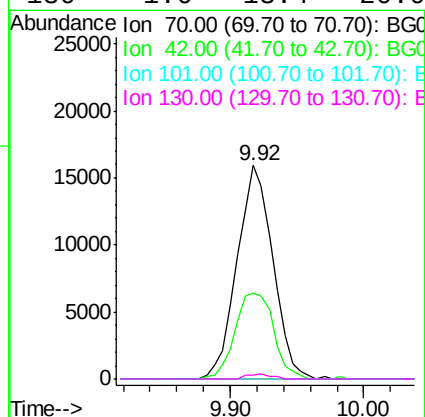
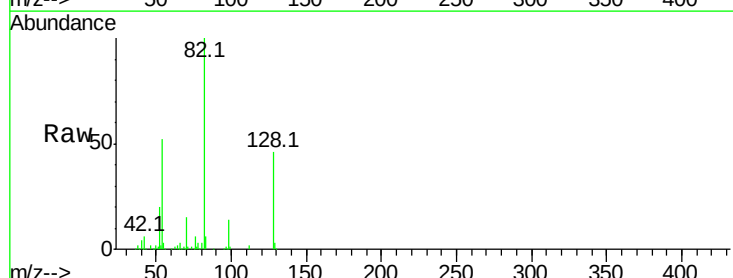
Ion Ratio Lower Upper

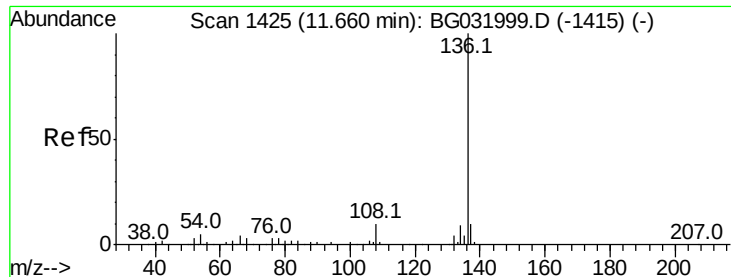
70 100

42 40.2 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#

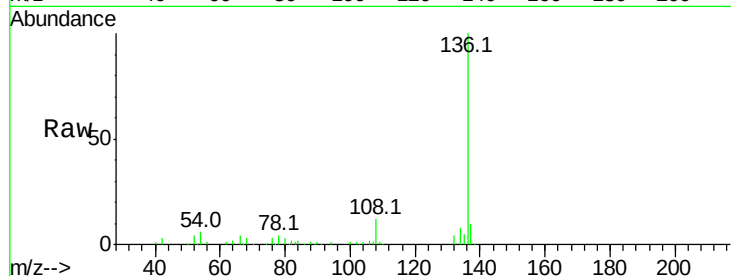




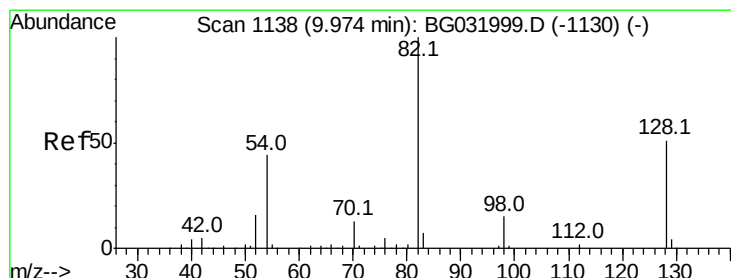
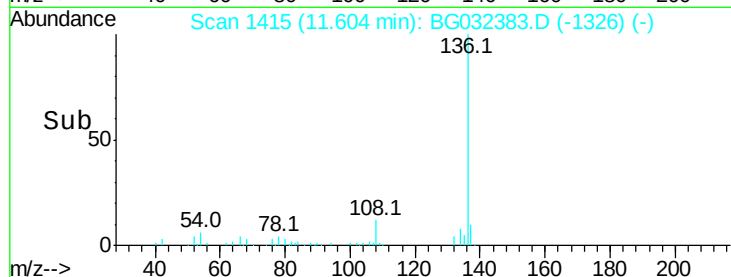
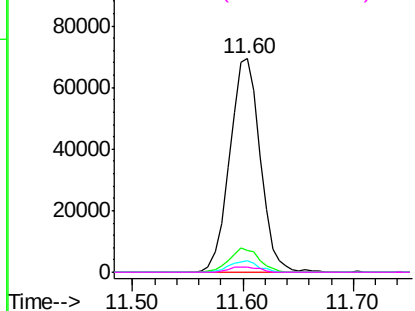
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.00 min
Lab File: BG032383.D
Acq: 28 Jan 2018 8:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	134303
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	5.5	10.3	15.5#
68	2.6	4.5	6.7#

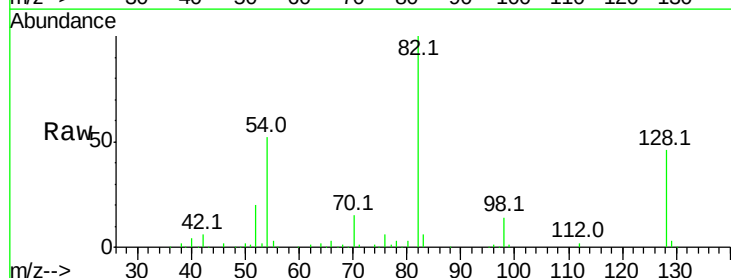


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

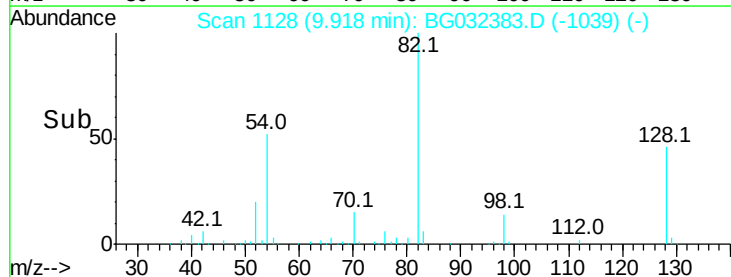
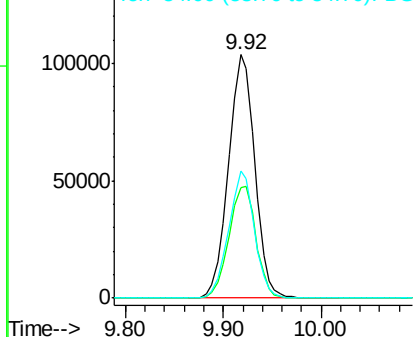


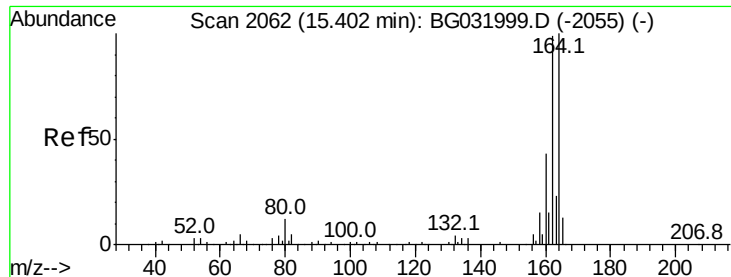
#23
Nitrobenzene-d5
Concen: 97.575 ng
RT: 9.92 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BG032383.D
Acq: 28 Jan 2018 8:45

Tgt Ion:	82	Resp:	193699
Ion	Ratio	Lower	Upper
82	100		
128	45.6	29.7	44.5#
54	52.0	43.1	64.7



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.35 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BG032383.D

Acq: 28 Jan 2018 8:45

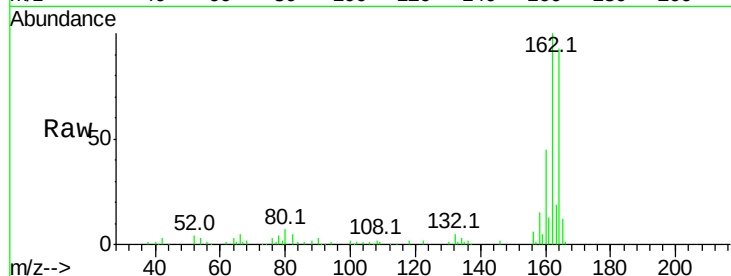
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 88694

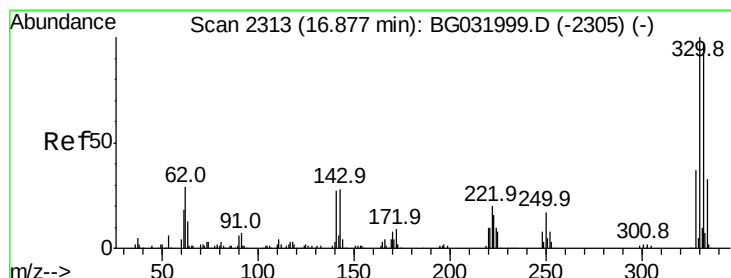
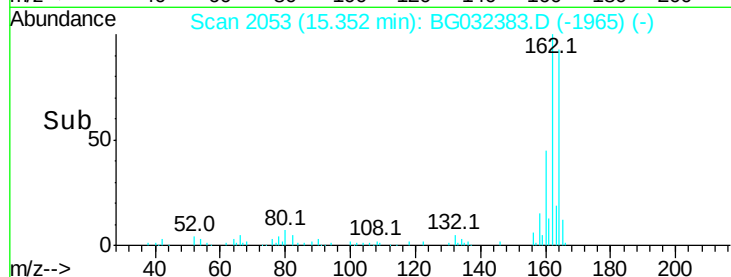
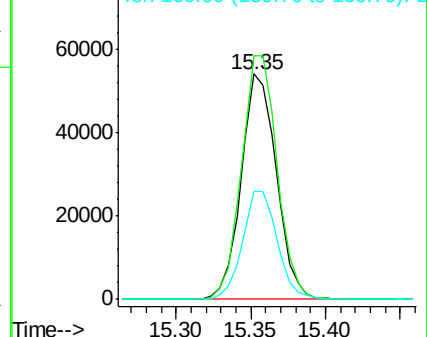
Ion	Ratio	Lower	Upper
164	100		
162	108.1	78.8	118.2
160	48.2	35.4	53.0



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: 155.749 ng

RT: 16.83 min Scan# 2305

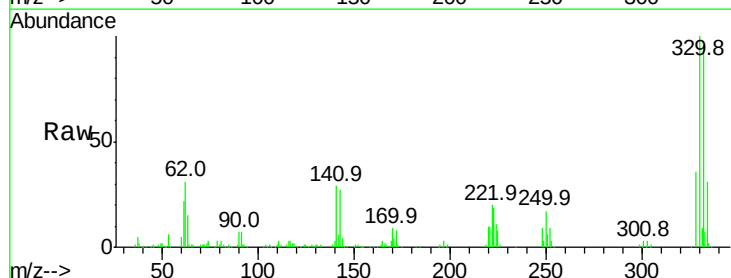
Delta R.T. -0.00 min

Lab File: BG032383.D

Acq: 28 Jan 2018 8:45

Tgt Ion:330 Resp: 228590

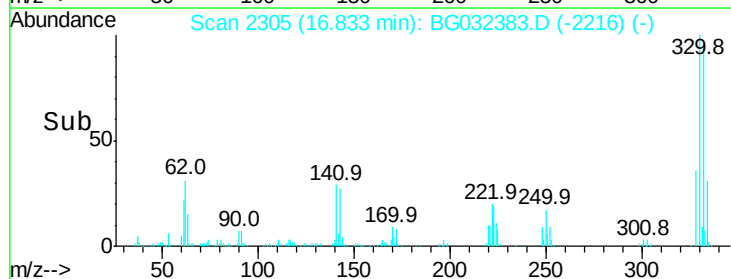
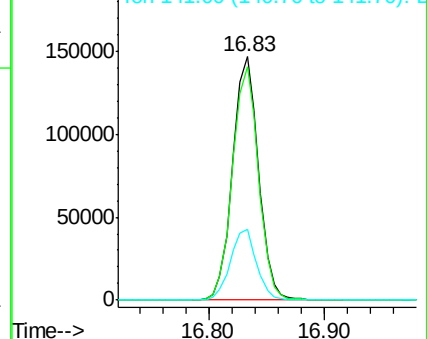
Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	29.0	25.2	37.8

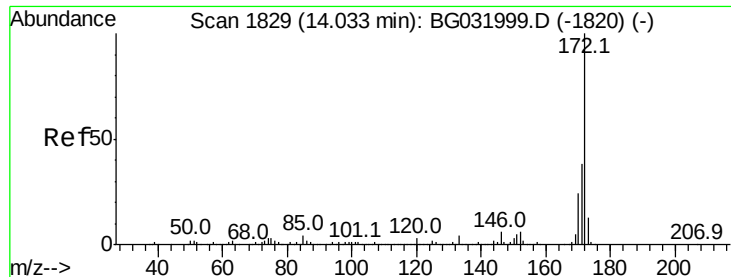


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

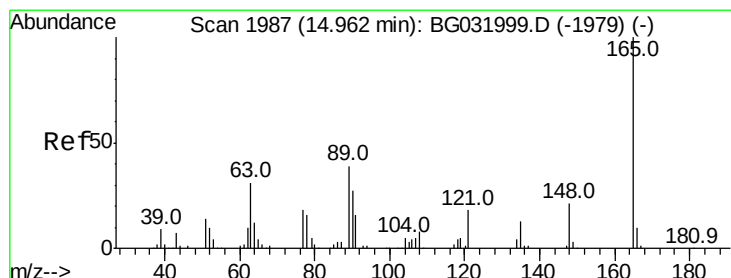
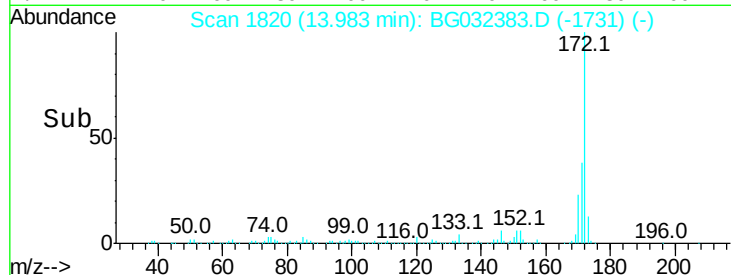
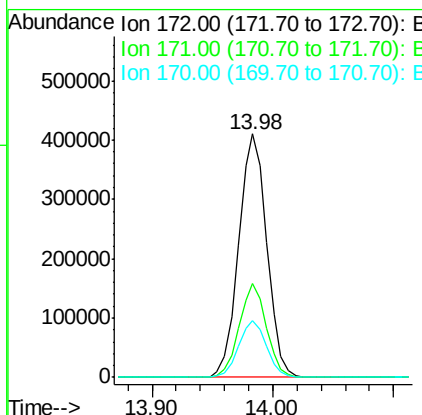
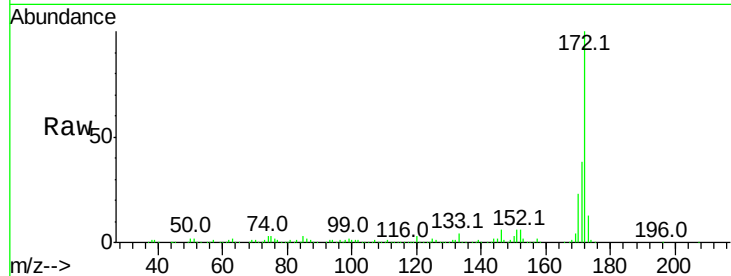




#44
2-Fluorobiphenyl
Concen: 92.769 ng
RT: 13.98 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BG032383.D
Acq: 28 Jan 2018 8:45

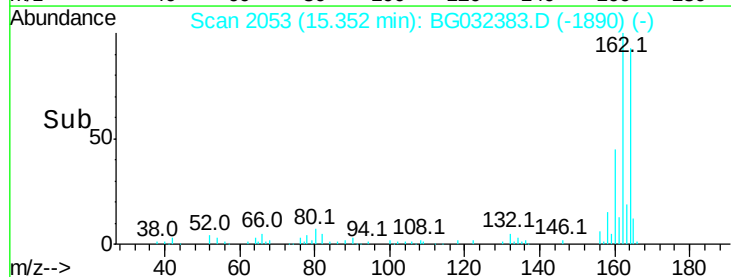
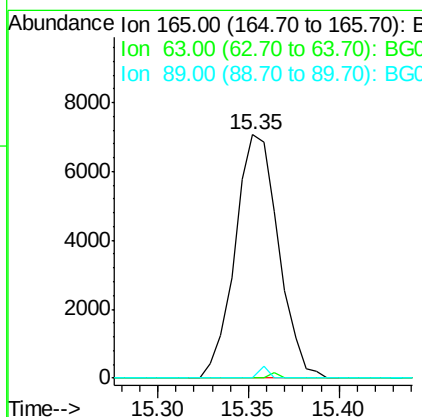
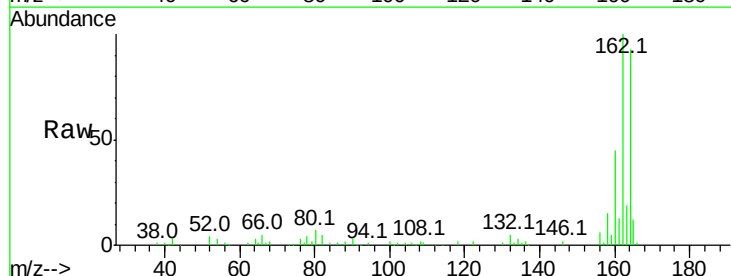
Instrument :
BNA_G
ClientSampled :

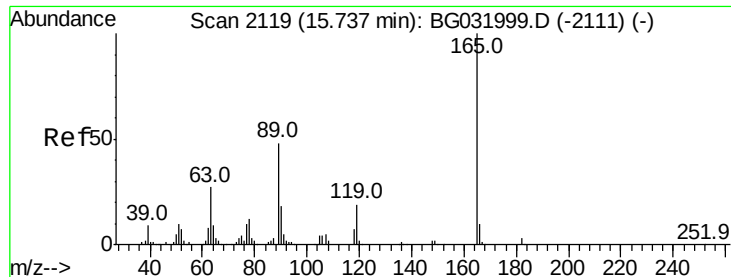
Tot Ion:172 Resp: 663581
Ion Ratio Lower Upper
172 100
171 38.3 30.0 45.0
170 23.2 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.283 ng
RT: 15.35 min Scan# 2053
Delta R.T. 0.43 min
Lab File: BG032383.D
Acq: 28 Jan 2018 8:45

Tgt Ion:165 Resp: 11733
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#

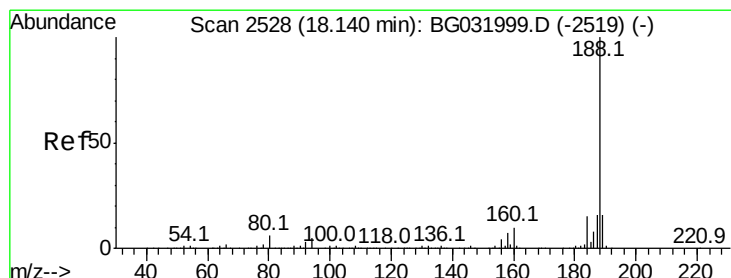
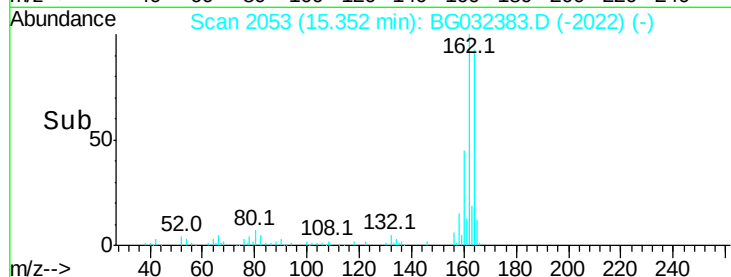
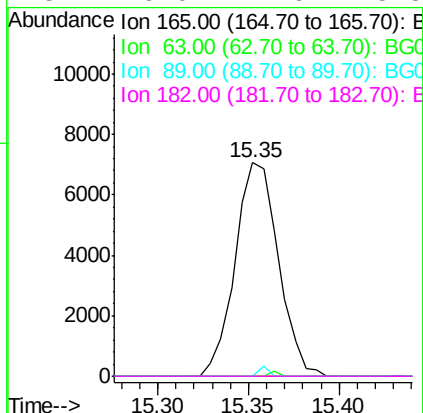
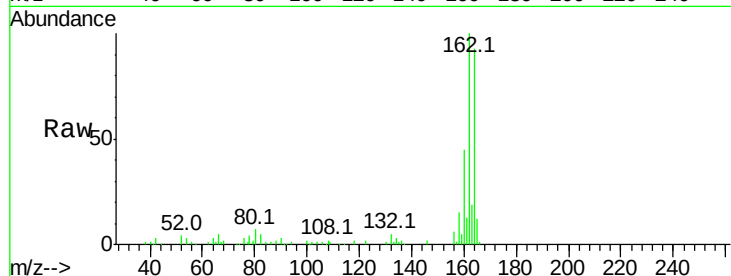




#56
 2,4-Dinitrotoluene
 Concen: 5.410 ng
 RT: 15.35 min Scan# 2053
 Delta R.T. -0.35 min
 Lab File: BG032383.D
 Acq: 28 Jan 2018 8:45

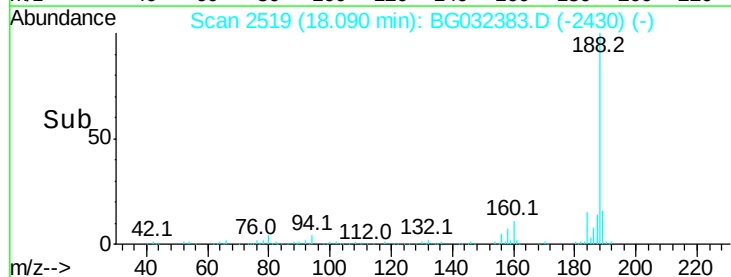
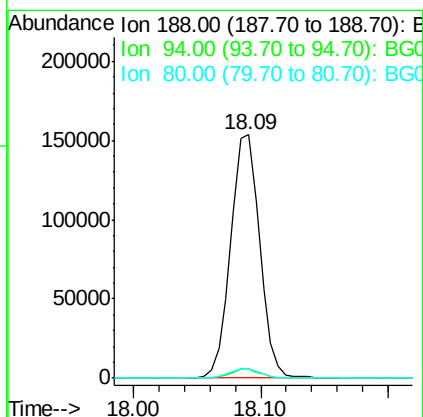
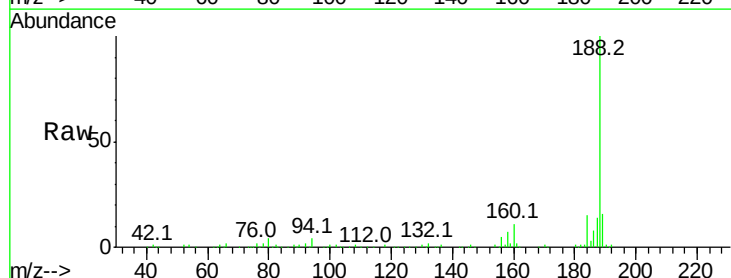
Instrument :
 BNA_G
 ClientSampled :

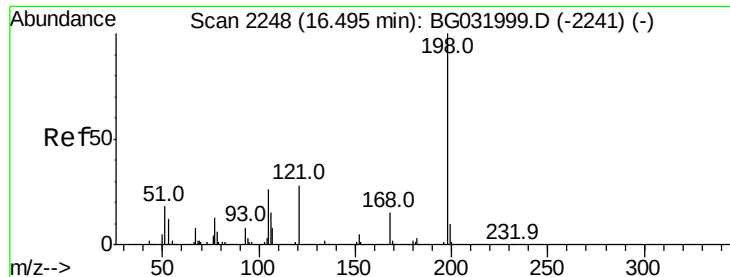
Tot Ion:165 Resp: 11733
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.00 min
 Lab File: BG032383.D
 Acq: 28 Jan 2018 8:45

Tgt Ion:188 Resp: 242704
 Ion Ratio Lower Upper
 188 100
 94 3.7 6.9 10.3#
 80 4.0 7.7 11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.362 ng

RT: 16.83 min Scan# 2304

Delta R.T. 0.37 min

Lab File: BG032383.D

Acq: 28 Jan 2018 8:45

Instrument :

BNA_G

ClientSampleId :

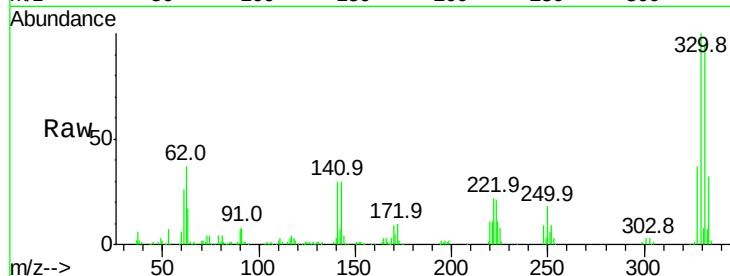
Tot Ion:198 Resp: 826

Ion Ratio Lower Upper

198 100

51 77.6 30.6 70.6#

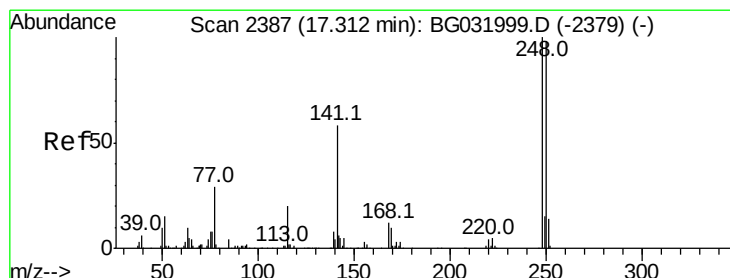
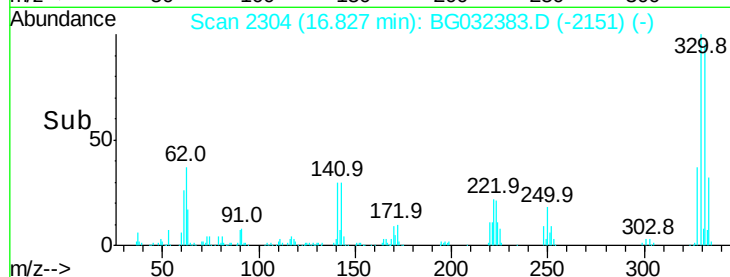
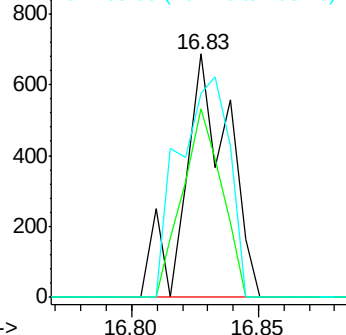
105 83.6 23.8 63.8#



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: 5.680 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.43 min

Lab File: BG032383.D

Acq: 28 Jan 2018 8:45

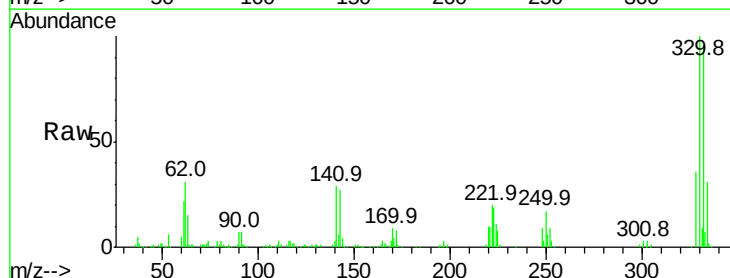
Tgt Ion:248 Resp: 19615

Ion Ratio Lower Upper

248 100

250 197.8 77.1 115.7#

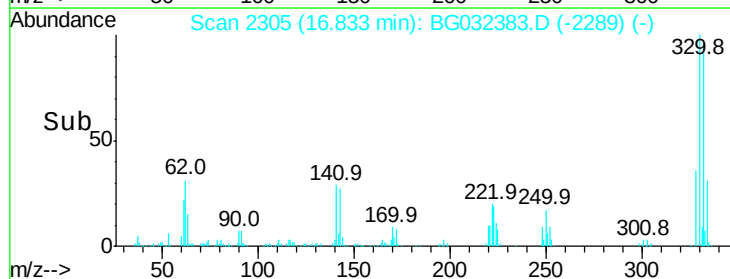
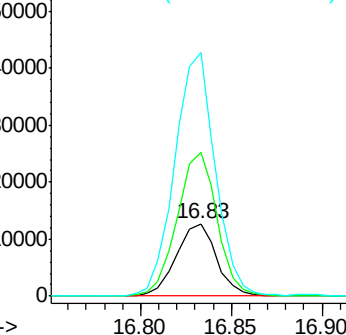
141 336.1 50.8 76.2#

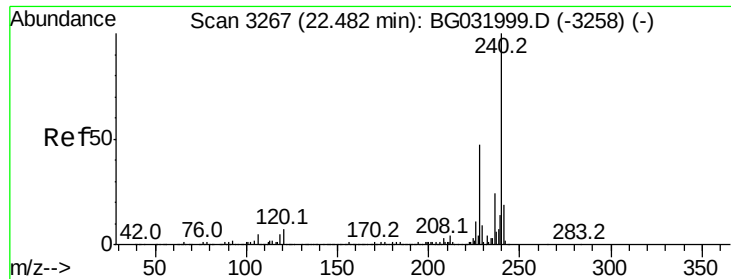


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.41 min Scan# 3255

Delta R.T. -0.01 min

Lab File: BG032383.D

Acq: 28 Jan 2018 8:45

Instrument :

BNA_G

ClientSampleId :

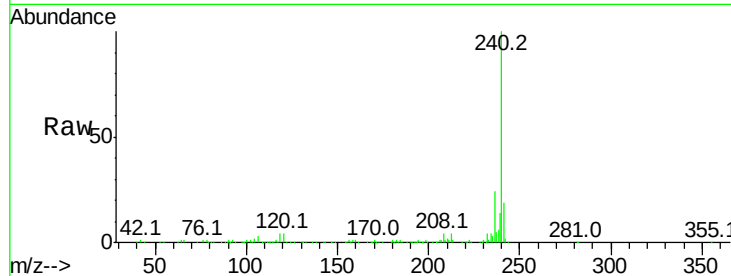
Tot Ion:240 Resp: 338499

Ion Ratio Lower Upper

240 100

120 4.1 6.8 10.2#

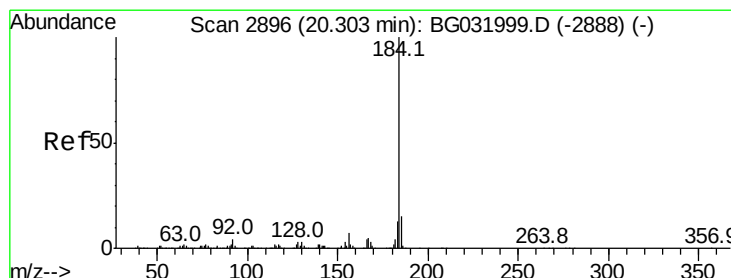
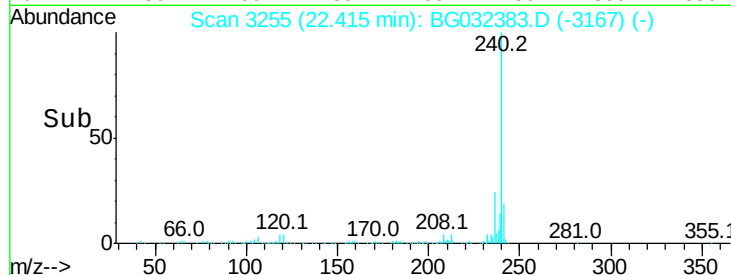
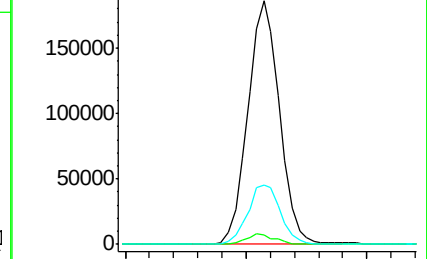
236 24.4 20.9 31.3



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: 2.599 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.37 min

Lab File: BG032383.D

Acq: 28 Jan 2018 8:45

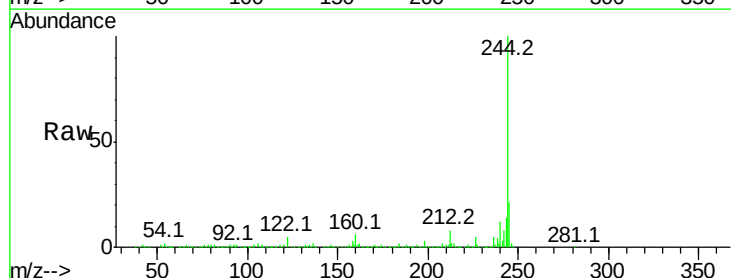
Tgt Ion:184 Resp: 22001

Ion Ratio Lower Upper

184 100

185 15.5 11.1 16.7

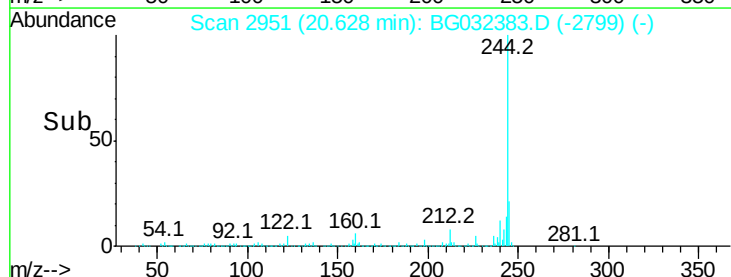
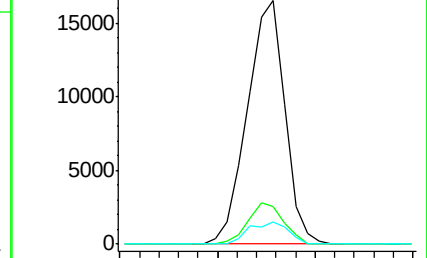
183 9.2 10.6 16.0#

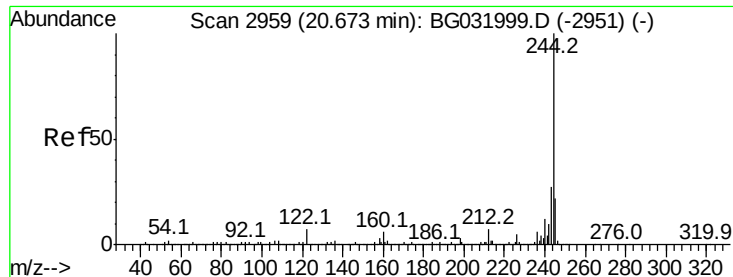


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



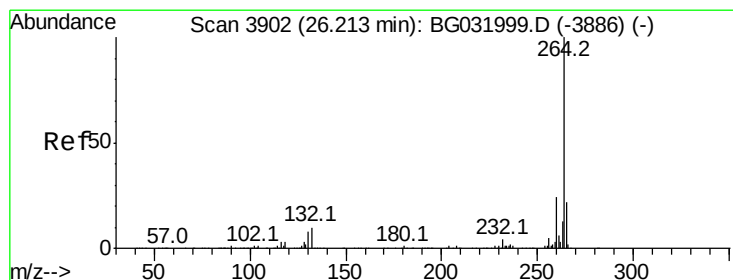
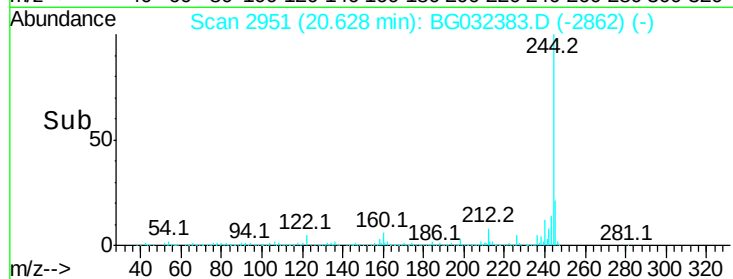
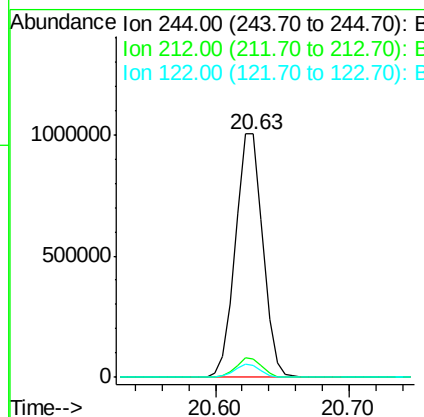
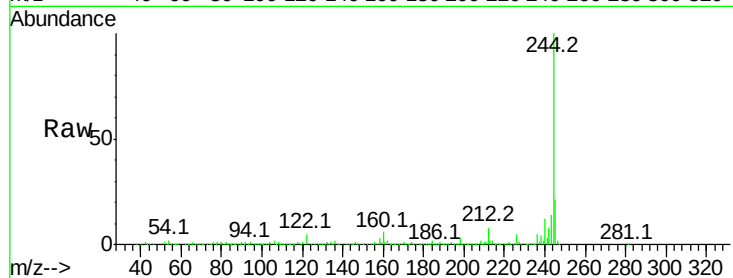


#78
 Terphenyl-d14
 Concen: 93.515 ng
 RT: 20.63 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: BG032383.D
 Acq: 28 Jan 2018 8:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1433605

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.8
122	5.1	7.0	10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.09 min Scan# 3881
 Delta R.T. -0.02 min
 Lab File: BG032383.D
 Acq: 28 Jan 2018 8:45

Tgt Ion:264 Resp: 353489

Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.4	26.0
265	22.6	17.7	26.5

