

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012518\
 Data File : BG032327.D
 Acq On : 26 Jan 2018 12:54
 Operator : SJ/JU
 Sample : J1020-06
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-01-012418-C

Quant Time: Jan 26 14:07:38 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	28082	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	116805	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	89025	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	271708	20.00	ng	0.00
75) Chrysene-d12	22.41	240	335579	20.00	ng	-0.01
86) Perylene-d12	26.08	264	356505	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.15	112	198126	129.04	ng	0.00
7) Phenol-d6	7.83	99	225732	116.73	ng	0.00
23) Nitrobenzene-d5	9.92	82	177755	102.96	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	251769	170.90	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	669412	93.24	ng	0.00
78) Terphenyl-d14	20.63	244	1509263	99.31	ng	0.00

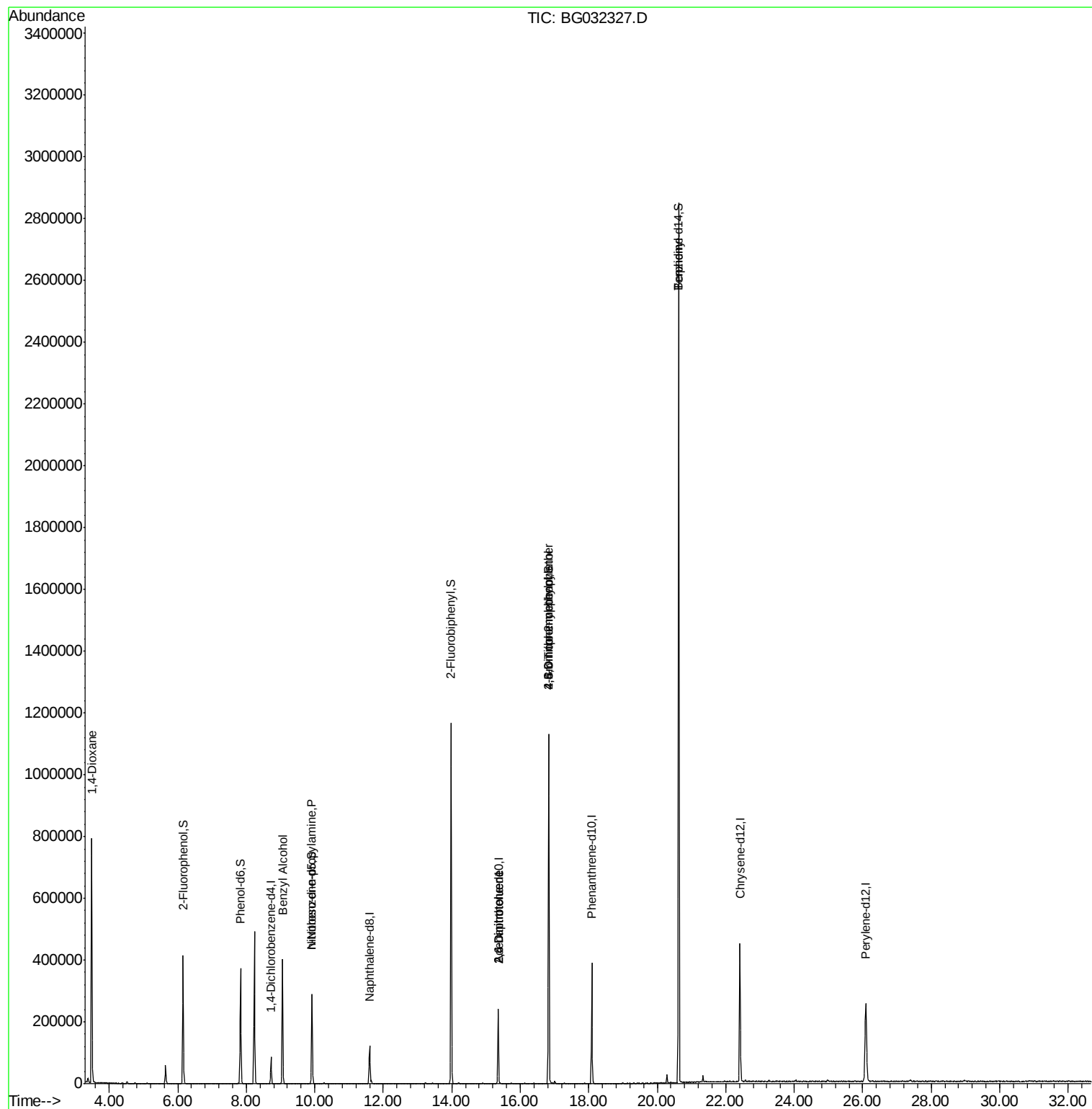
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.49	88	8220	13.935	ng	# 1
15) Benzyl Alcohol	9.05	79	3594	2.558	ng	# 38
19) n-Nitroso-di-n-propylamine	9.92	70	27451	22.879	ng	# 78
50) 2,6-Dinitrotoluene	15.36	165	11921	7.372	ng	# 18
56) 2,4-Dinitrotoluene	15.36	165	11921	5.476	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.84	198	577	5.182	ng	# 10
66) 4-Bromophenyl-phenylether	16.83	248	21858	5.654	ng	# 1
76) Benzidine	20.63	184	21401	2.550	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: BG032327.D

Acq: 26 Jan 2018 12:54

Instrument :

BNA_G

ClientSampleId :

PL-01-012418-C

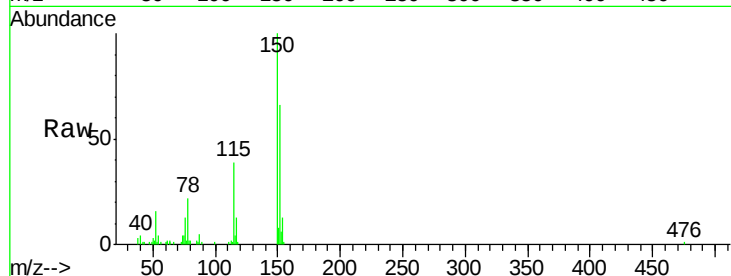
Tot Ion:152 Resp: 28082

Ion Ratio Lower Upper

152 100

150 152.5 126.6 189.8

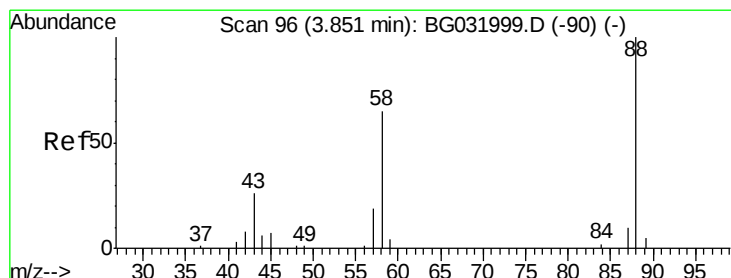
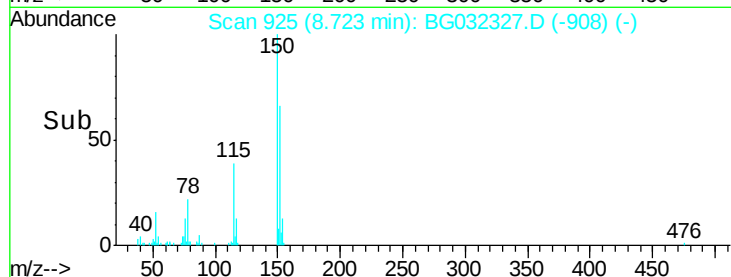
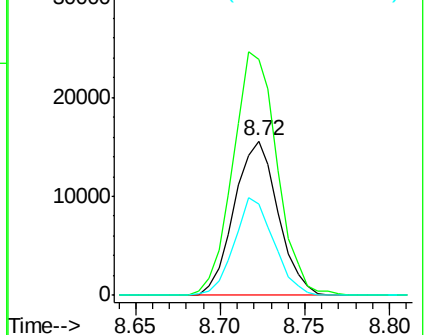
115 59.1 53.0 79.4



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: 13.935 ng

RT: 3.49 min Scan# 34

Delta R.T. -0.34 min

Lab File: BG032327.D

Acq: 26 Jan 2018 12:54

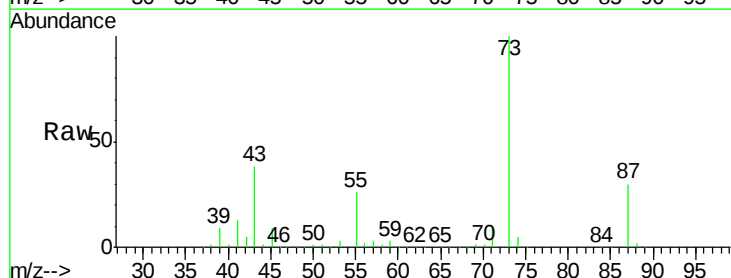
Tgt Ion: 88 Resp: 8220

Ion Ratio Lower Upper

88 100

58 38.6 79.6 119.4#

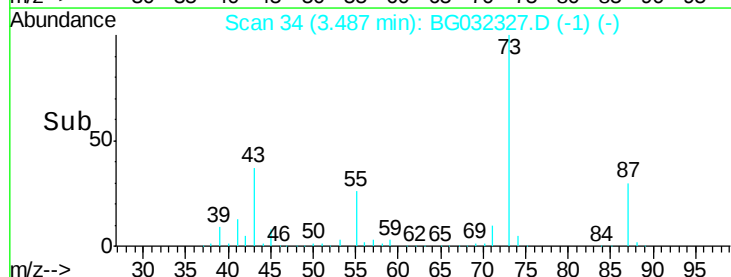
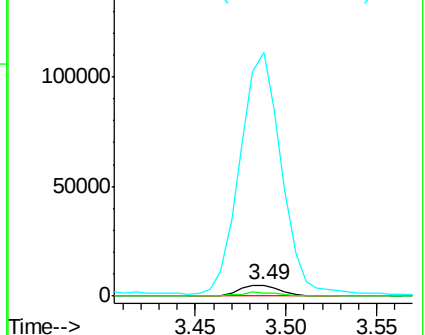
43 2121.6 27.4 41.0#

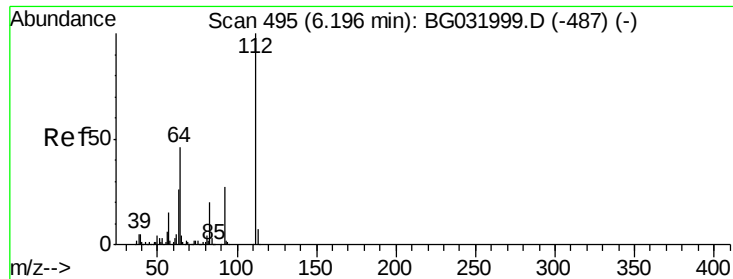


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 129.036 ng

RT: 6.15 min Scan# 488

Delta R.T. -0.00 min

Lab File: BG032327.D

Acq: 26 Jan 2018 12:54

Instrument :

BNA_G

ClientSampleId :

PL-01-012418-C

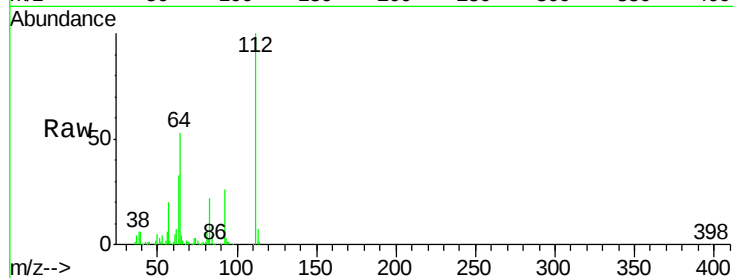
Tot Ion:112 Resp: 198126

Ion Ratio Lower Upper

112 100

64 52.7 56.3 84.5#

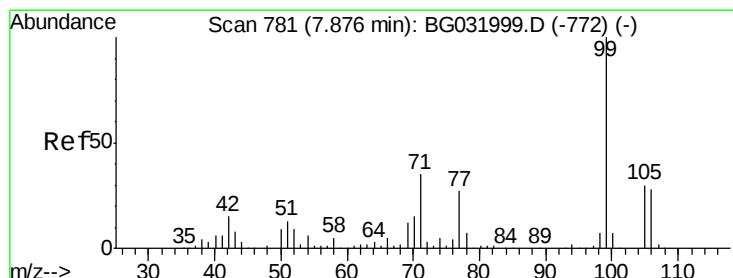
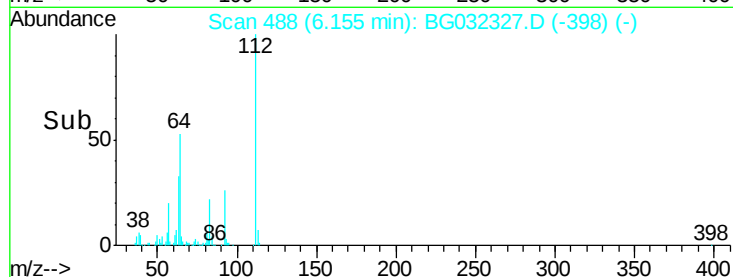
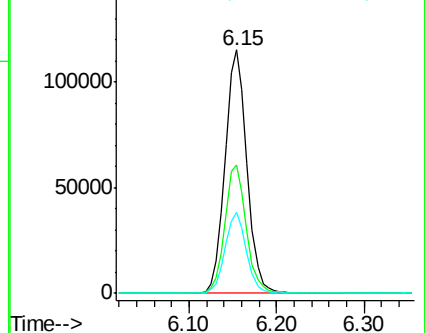
63 33.2 30.1 45.1



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: 116.731 ng

RT: 7.83 min Scan# 773

Delta R.T. -0.01 min

Lab File: BG032327.D

Acq: 26 Jan 2018 12:54

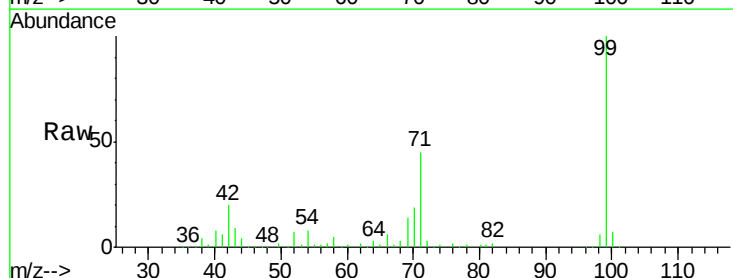
Tgt Ion: 99 Resp: 225732

Ion Ratio Lower Upper

99 100

42 20.1 14.1 21.1

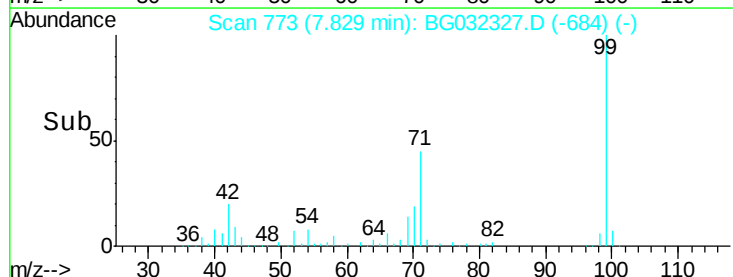
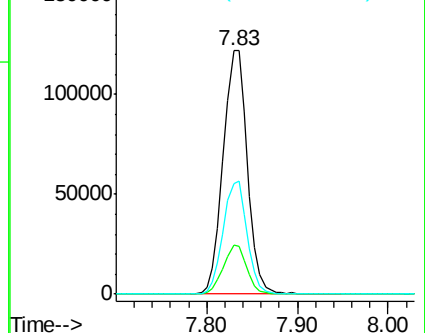
71 45.3 26.1 39.1#

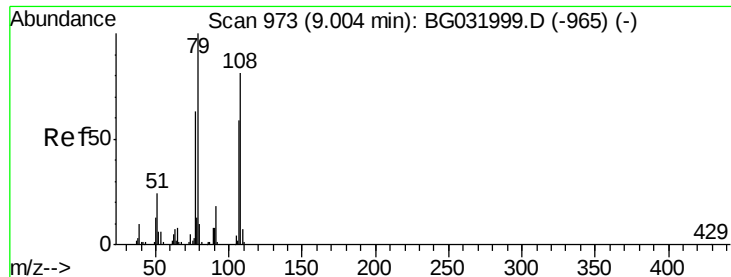


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.558 ng

RT: 9.05 min Scan# 981

Delta R.T. 0.09 min

Lab File: BG032327.D

Acq: 26 Jan 2018 12:54

Instrument :

BNA_G

ClientSampleId :

PL-01-012418-C

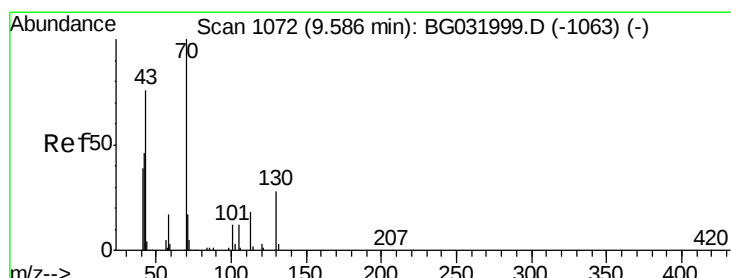
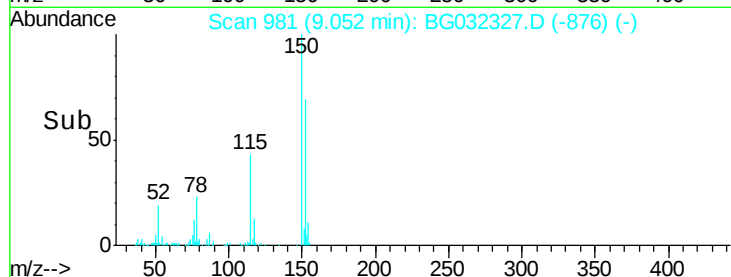
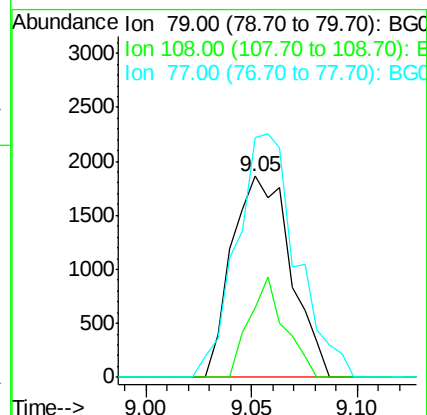
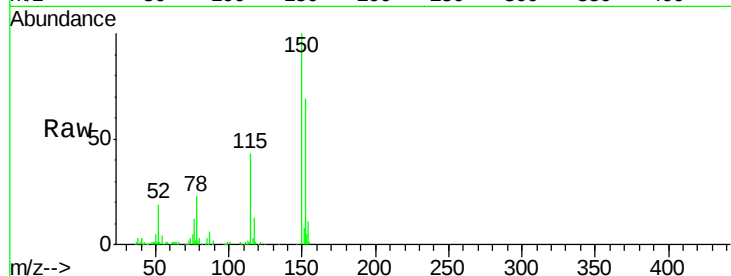
Tot Ion: 79 Resp: 3594

Ion Ratio Lower Upper

79 100

108 34.6 57.2 85.8#

77 119.5 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 22.879 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032327.D

Acq: 26 Jan 2018 12:54

Tgt Ion: 70 Resp: 27451

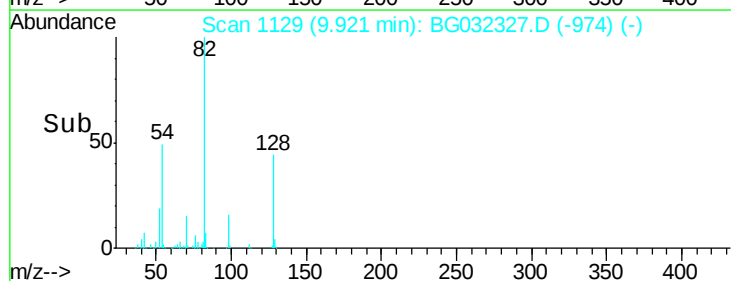
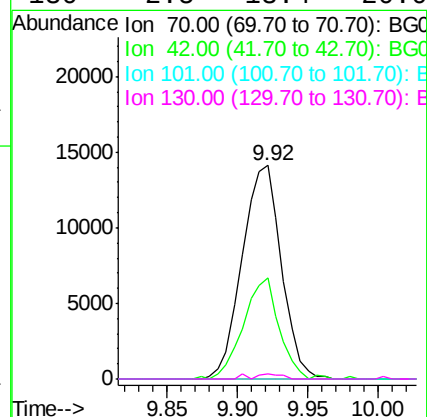
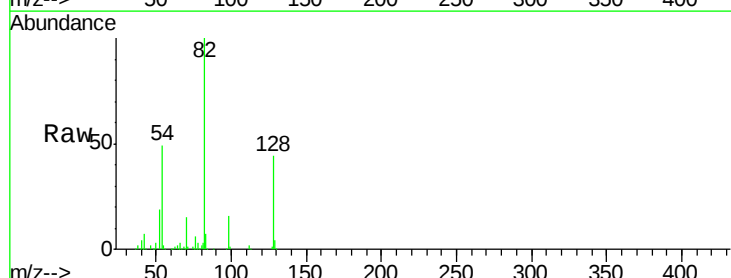
Ion Ratio Lower Upper

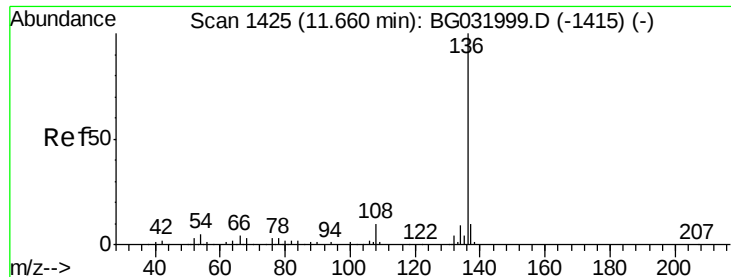
70 100

42 47.1 49.1 73.7#

101 0.0 8.5 12.7#

130 2.5 13.4 20.0#

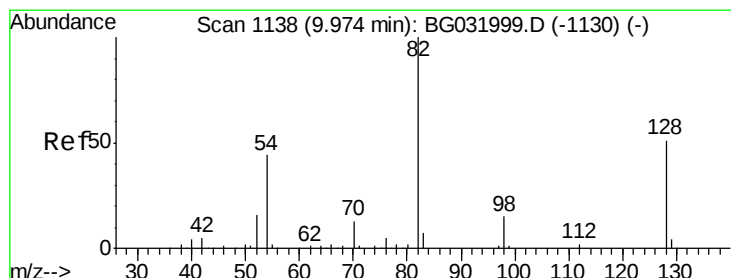
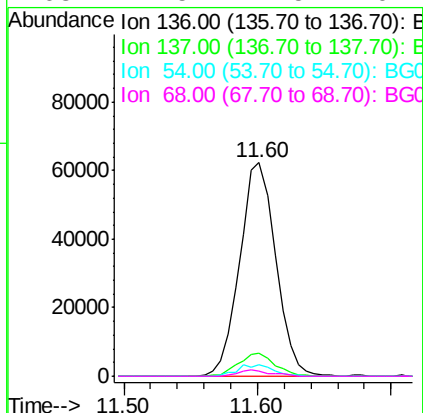
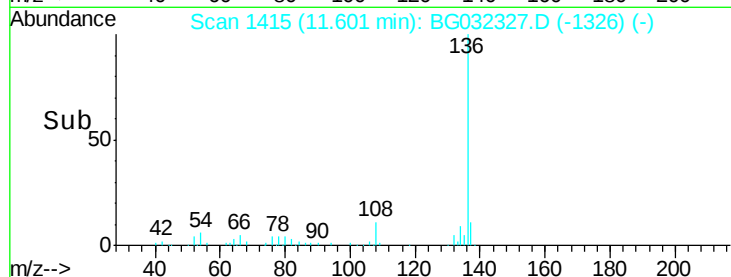
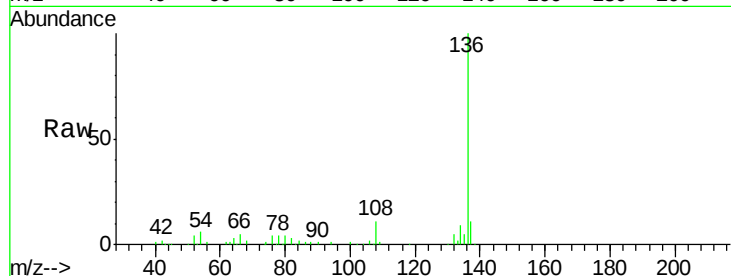




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BG032327.D
Acq: 26 Jan 2018 12:54

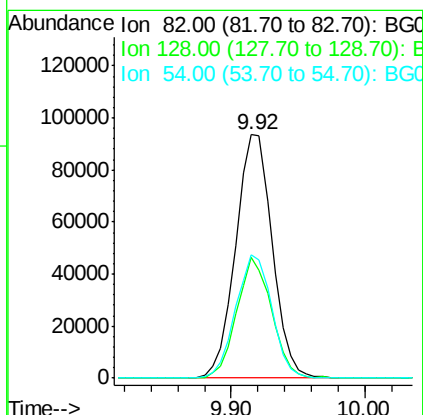
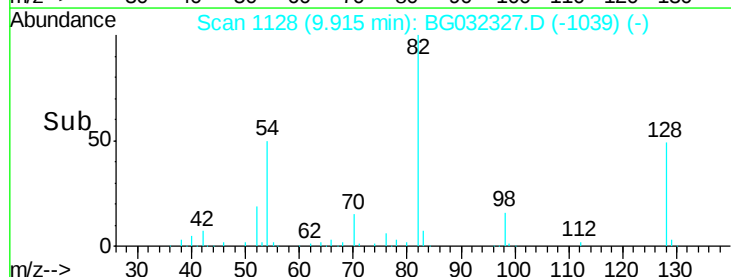
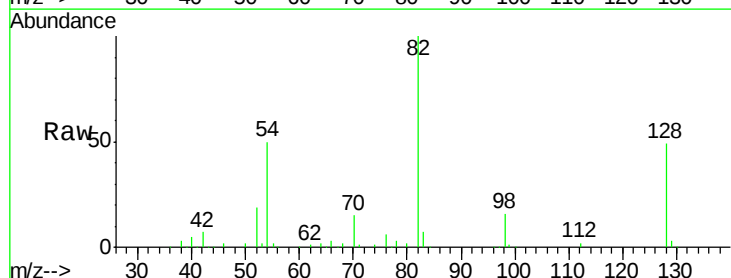
Instrument :
BNA_G
ClientSampleId :
PL-01-012418-C

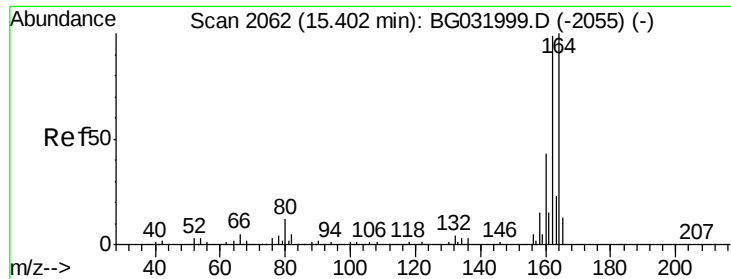
Tot Ion:136	Resp:	116805
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.2 13.8
54	5.6	10.3 15.5#
68	2.5	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 102.957 ng
RT: 9.92 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BG032327.D
Acq: 26 Jan 2018 12:54

Tgt Ion: 82	Resp:	177755
Ion Ratio	Lower	Upper
82	100	
128	49.4	29.7 44.5#
54	50.5	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: BG032327.D

Acq: 26 Jan 2018 12:54

Instrument :

BNA_G

ClientSampleId :

PL-01-012418-C

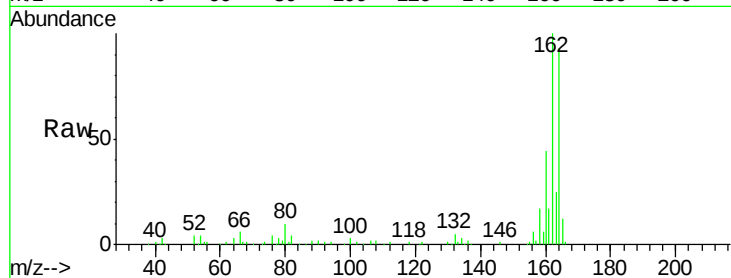
Tot Ion:164 Resp: 89025

Ion Ratio Lower Upper

164 100

162 107.8 78.8 118.2

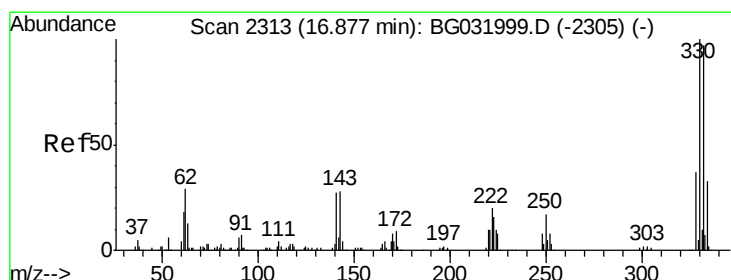
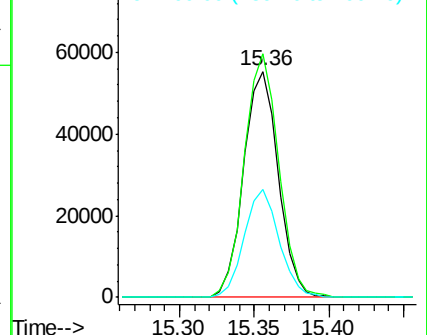
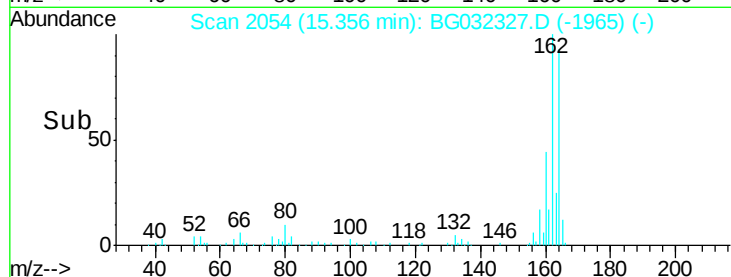
160 47.6 35.4 53.0



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: 170.905 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.01 min

Lab File: BG032327.D

Acq: 26 Jan 2018 12:54

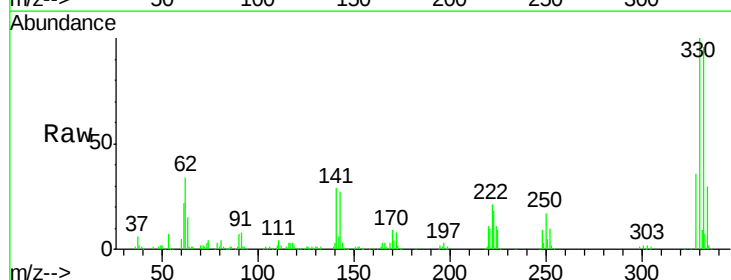
Tgt Ion:330 Resp: 251769

Ion Ratio Lower Upper

330 100

332 98.1 77.0 115.6

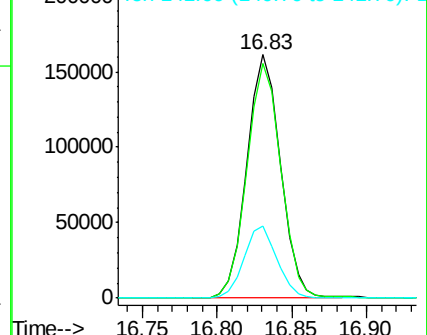
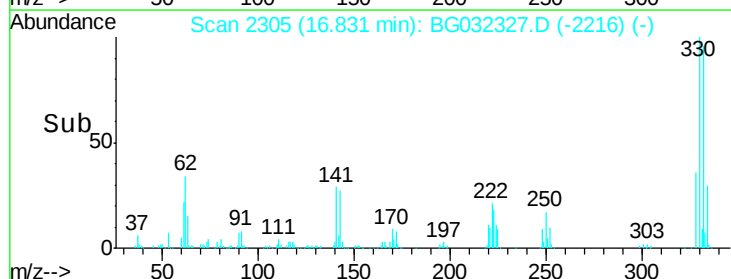
141 29.3 25.2 37.8

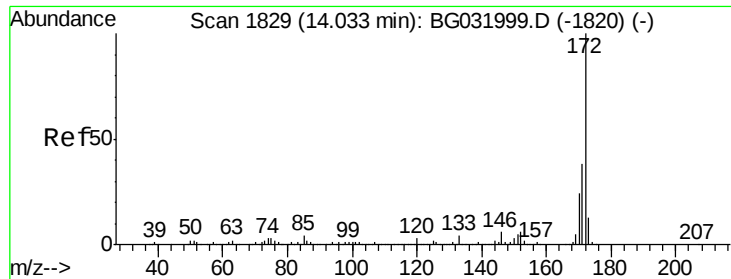


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

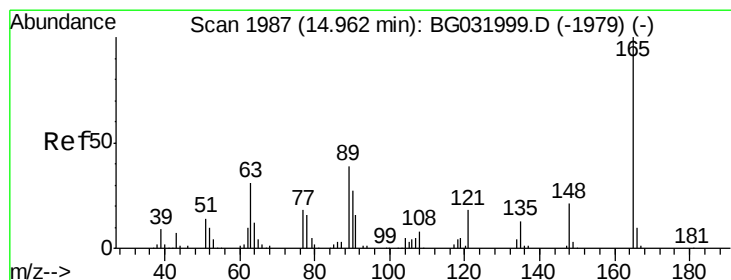
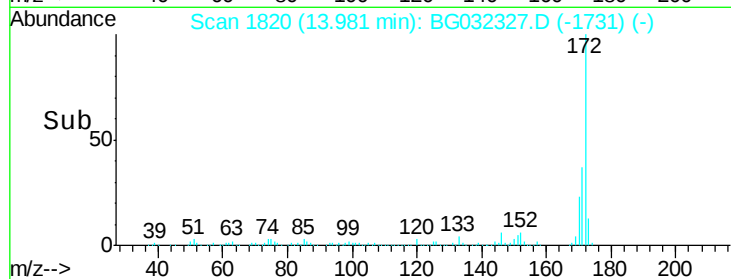
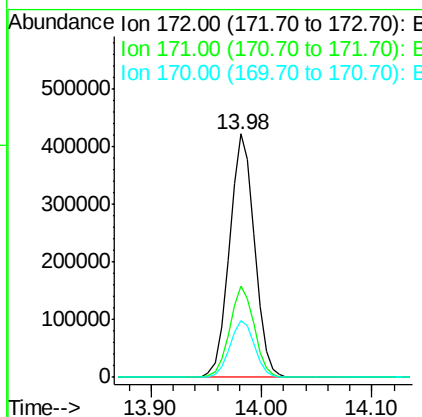
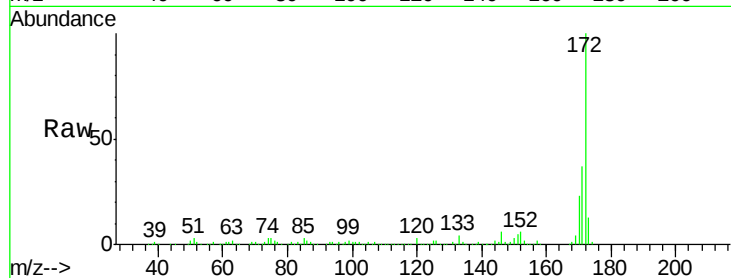




#44
 2-Fluorobiphenyl
 Concen: 93.237 ng
 RT: 13.98 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BG032327.D
 Acq: 26 Jan 2018 12:54

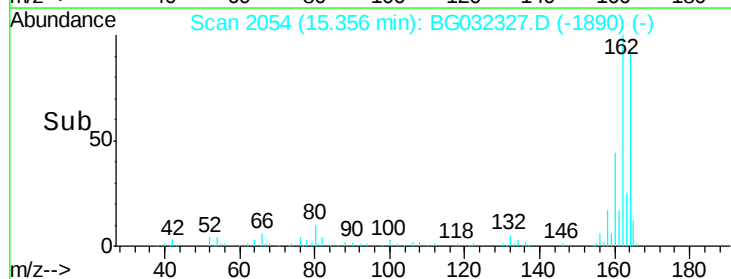
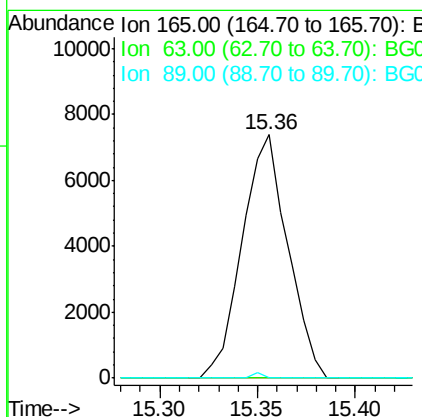
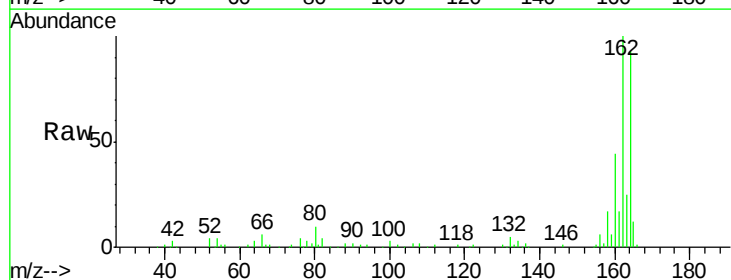
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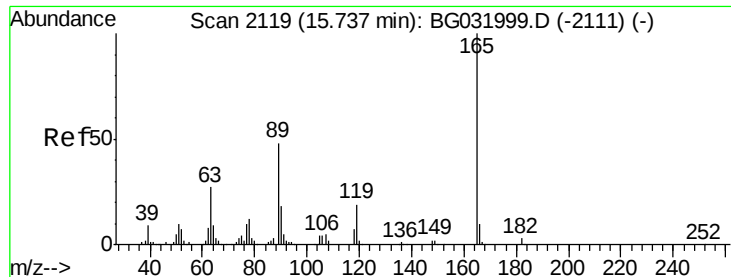
Tot Ion:172 Resp: 669412
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.0 45.0
 170 23.1 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.372 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. 0.43 min
 Lab File: BG032327.D
 Acq: 26 Jan 2018 12:54

Tgt Ion:165 Resp: 11921
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

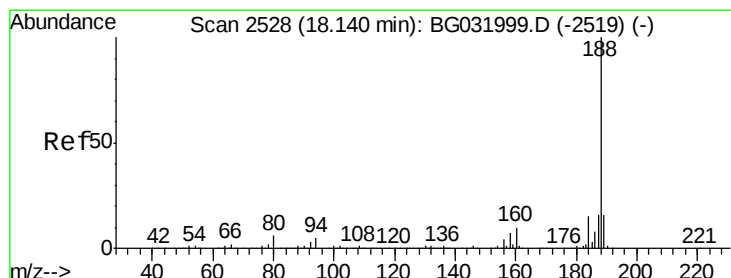
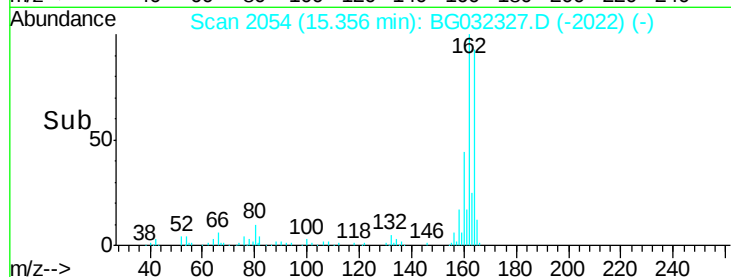
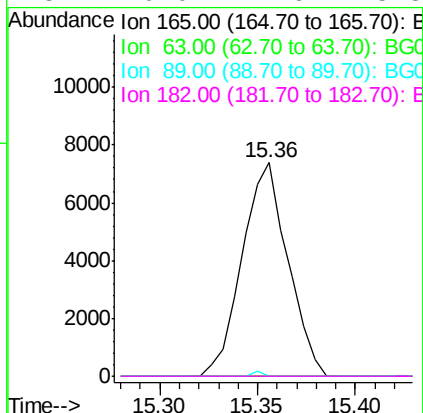
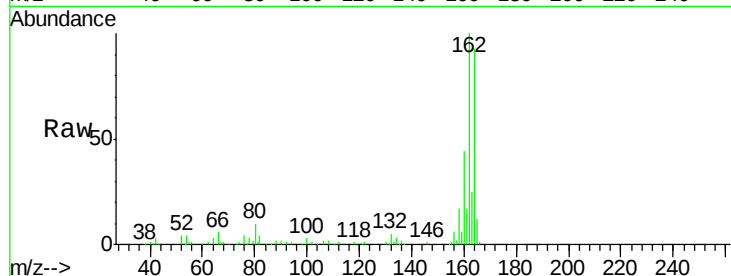




#56
 2,4-Dinitrotoluene
 Concen: 5.476 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032327.D
 Acq: 26 Jan 2018 12:54

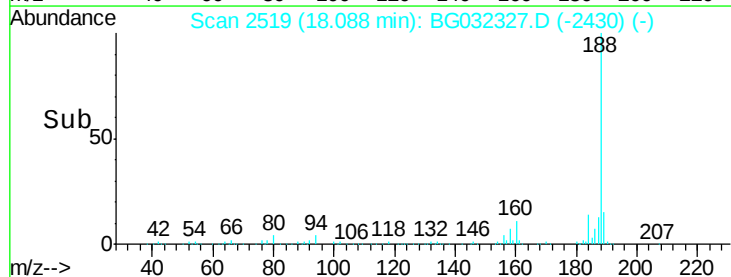
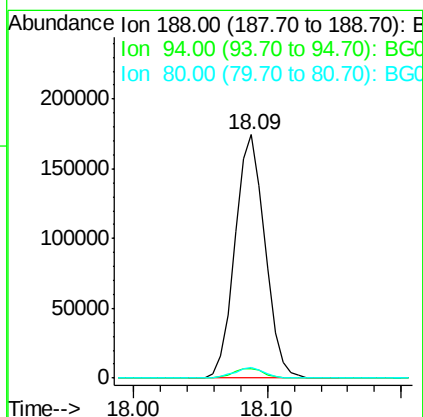
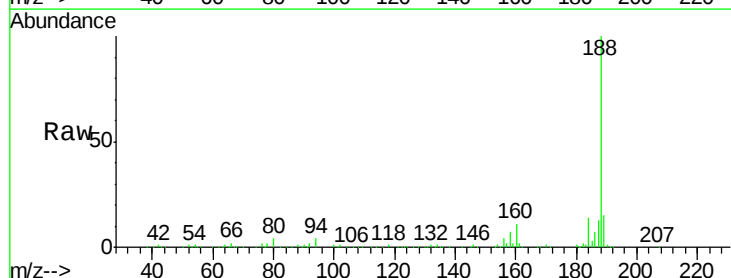
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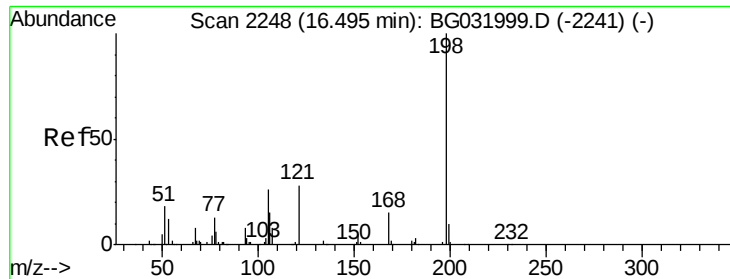
Tot Ion:165 Resp: 11921
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BG032327.D
 Acq: 26 Jan 2018 12:54

Tgt Ion:188 Resp: 271708
 Ion Ratio Lower Upper
 188 100
 94 3.8 6.9 10.3#
 80 4.3 7.7 11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.182 ng

RT: 16.84 min Scan# 2306

Delta R.T. 0.38 min

Lab File: BG032327.D

Acq: 26 Jan 2018 12:54

Instrument :

BNA_G

ClientSampleId :

PL-01-012418-C

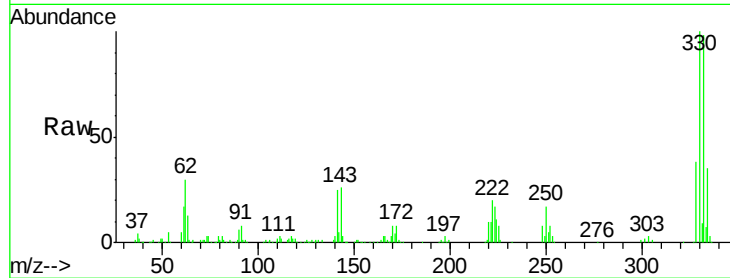
Tot Ion:198 Resp: 577

Ion Ratio Lower Upper

198 100

51 92.5 30.6 70.6#

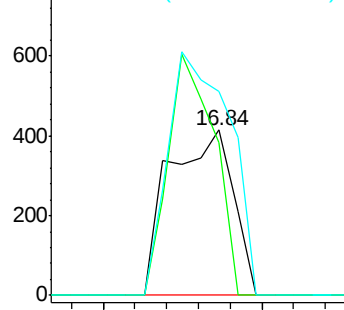
105 123.4 23.8 63.8#



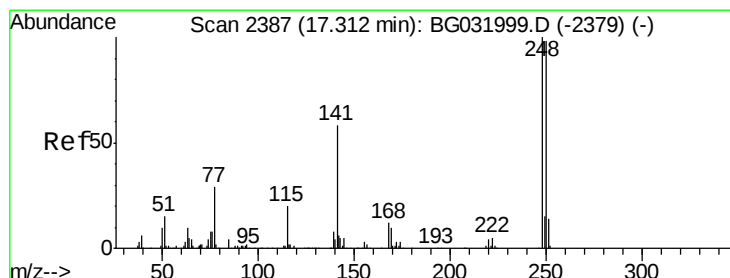
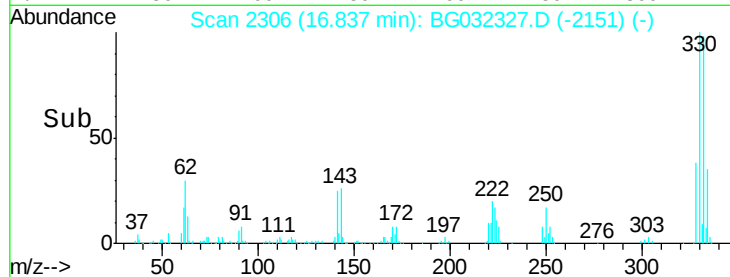
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



Time-->



#66

4-Bromophenyl-phenylether

Concen: 5.654 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.44 min

Lab File: BG032327.D

Acq: 26 Jan 2018 12:54

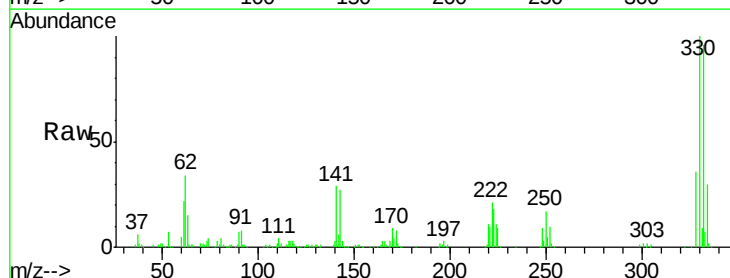
Tgt Ion:248 Resp: 21858

Ion Ratio Lower Upper

248 100

250 183.4 77.1 115.7#

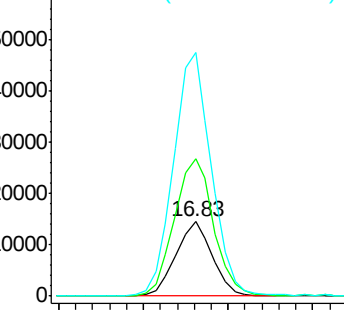
141 326.4 50.8 76.2#



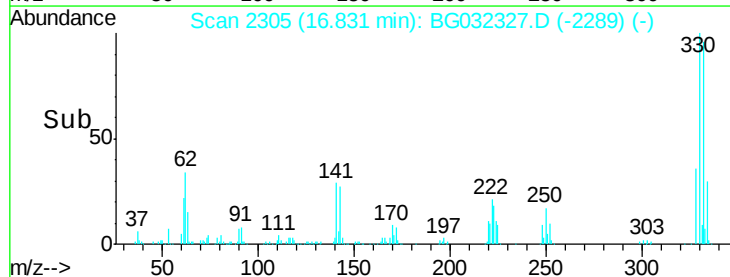
Abundance Ion 248.00 (247.70 to 248.70): E

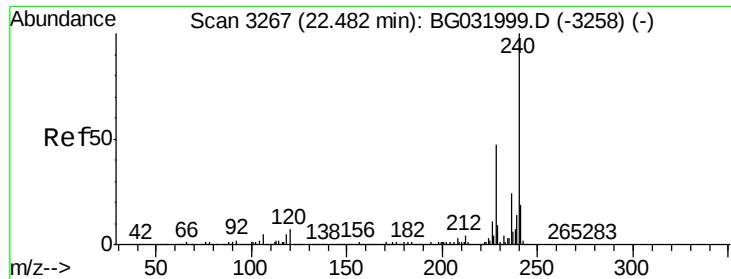
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->

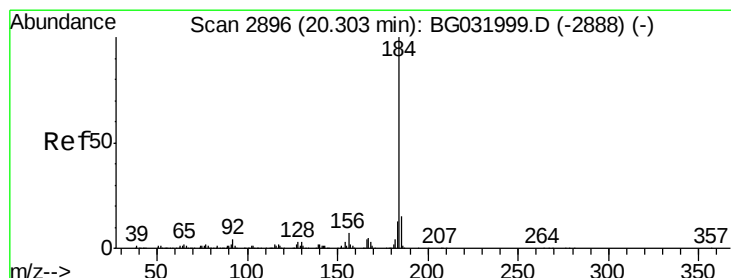
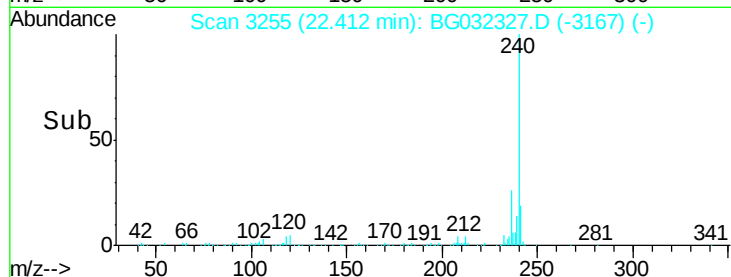
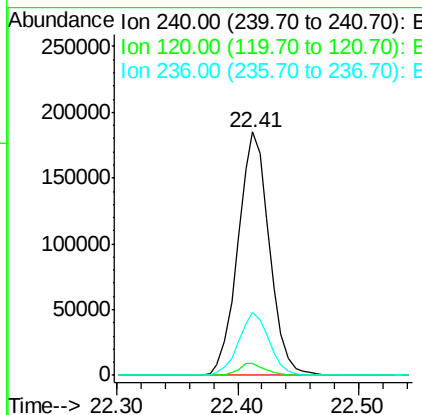
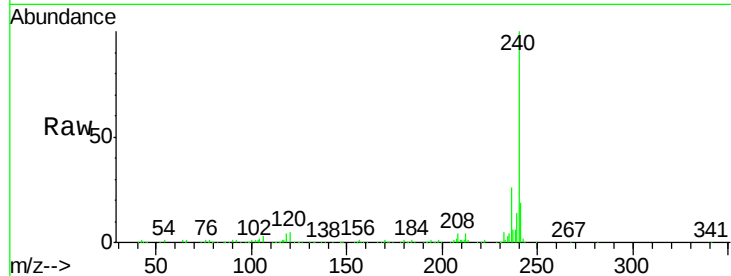




#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.41 min Scan# 3255
Delta R.T. -0.01 min
Lab File: BG032327.D
Acq: 26 Jan 2018 12:54

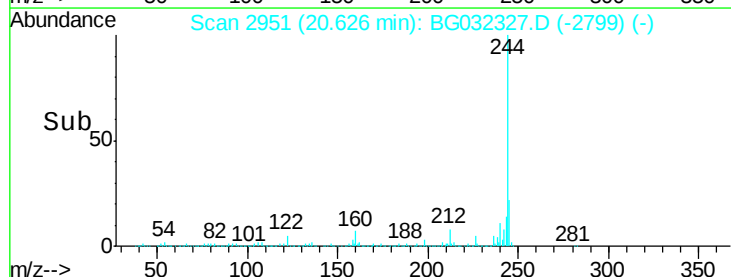
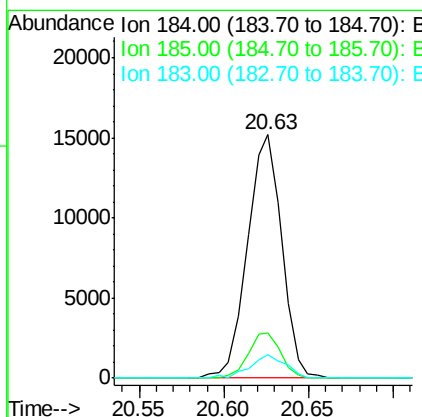
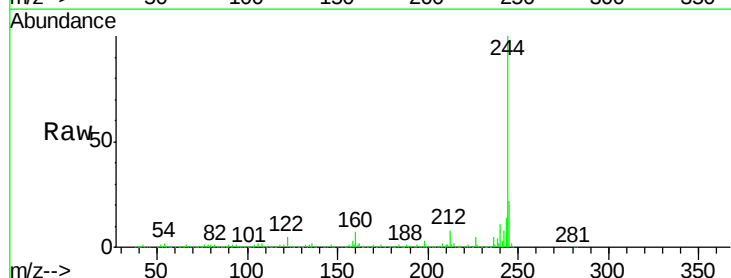
Instrument :
BNA_G
ClientSampleId :
PL-01-012418-C

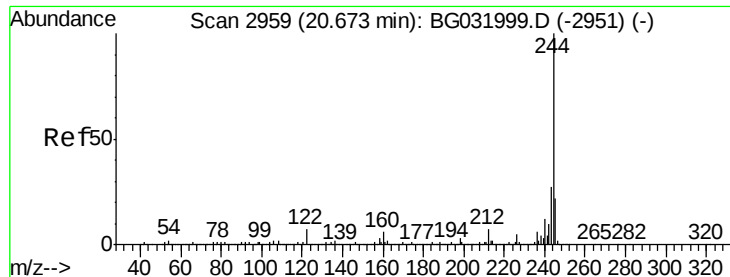
Tot Ion:240 Resp: 335579
Ion Ratio Lower Upper
240 100
120 4.7 6.8 10.2#
236 25.9 20.9 31.3



#76
Benzidine
Concen: 2.550 ng
RT: 20.63 min Scan# 2951
Delta R.T. 0.36 min
Lab File: BG032327.D
Acq: 26 Jan 2018 12:54

Tgt Ion:184 Resp: 21401
Ion Ratio Lower Upper
184 100
185 18.4 11.1 16.7#
183 9.7 10.6 16.0#





#78

Terphenyl-d14

Concen: 99.307 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.01 min

Lab File: BG032327.D

Acq: 26 Jan 2018 12:54

Instrument :

BNA_G

ClientSampleId :

PL-01-012418-C

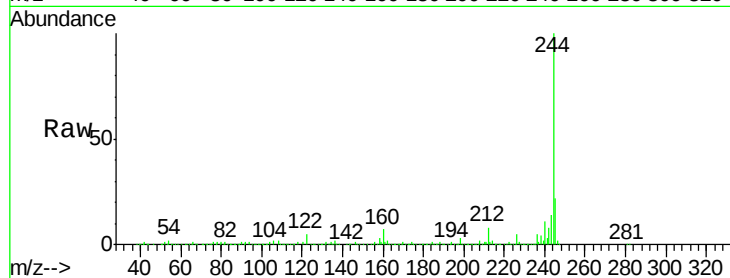
Tot Ion:244 Resp: 1509263

Ion Ratio Lower Upper

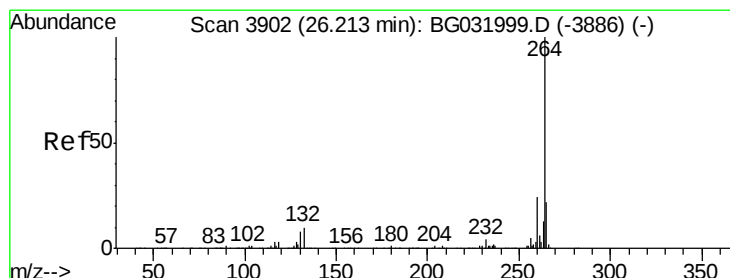
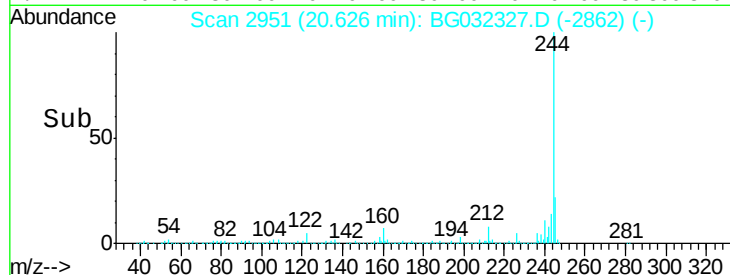
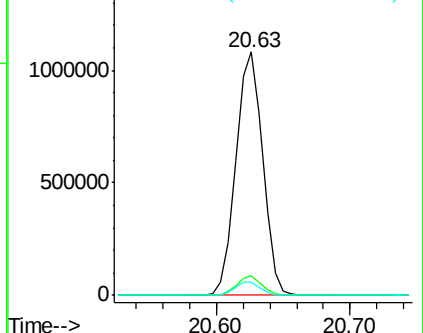
244 100

212 8.0 5.8 8.8

122 5.3 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: 26.08 min Scan# 3880

Delta R.T. -0.02 min

Lab File: BG032327.D

Acq: 26 Jan 2018 12:54

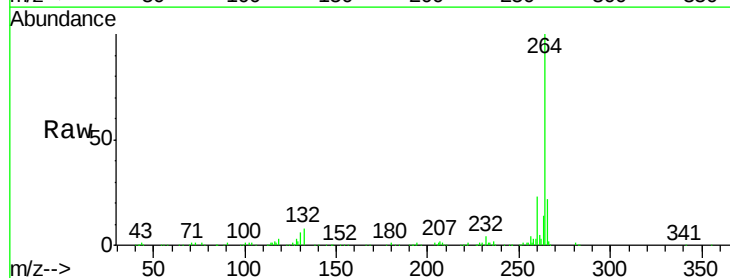
Tgt Ion:264 Resp: 356505

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 22.4 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

