

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012518\
 Data File : BG032325.D
 Acq On : 26 Jan 2018 11:39
 Operator : SJ/JU
 Sample : J1020-16
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 26 12:27:33 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	33101	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	131516	20.00	ng	-0.01
38) Acenaphthene-d10	15.36	164	101440	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	296684	20.00	ng	0.00
75) Chrysene-d12	22.41	240	366572	20.00	ng	-0.01
86) Perylene-d12	26.09	264	387154	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	258008	142.56	ng	0.00
7) Phenol-d6	7.84	99	304401	133.54	ng	0.00
23) Nitrobenzene-d5	9.92	82	230535	118.59	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	331180	197.30	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	824976	100.84	ng	0.00
78) Terphenyl-d14	20.63	244	1832676	110.39	ng	0.00

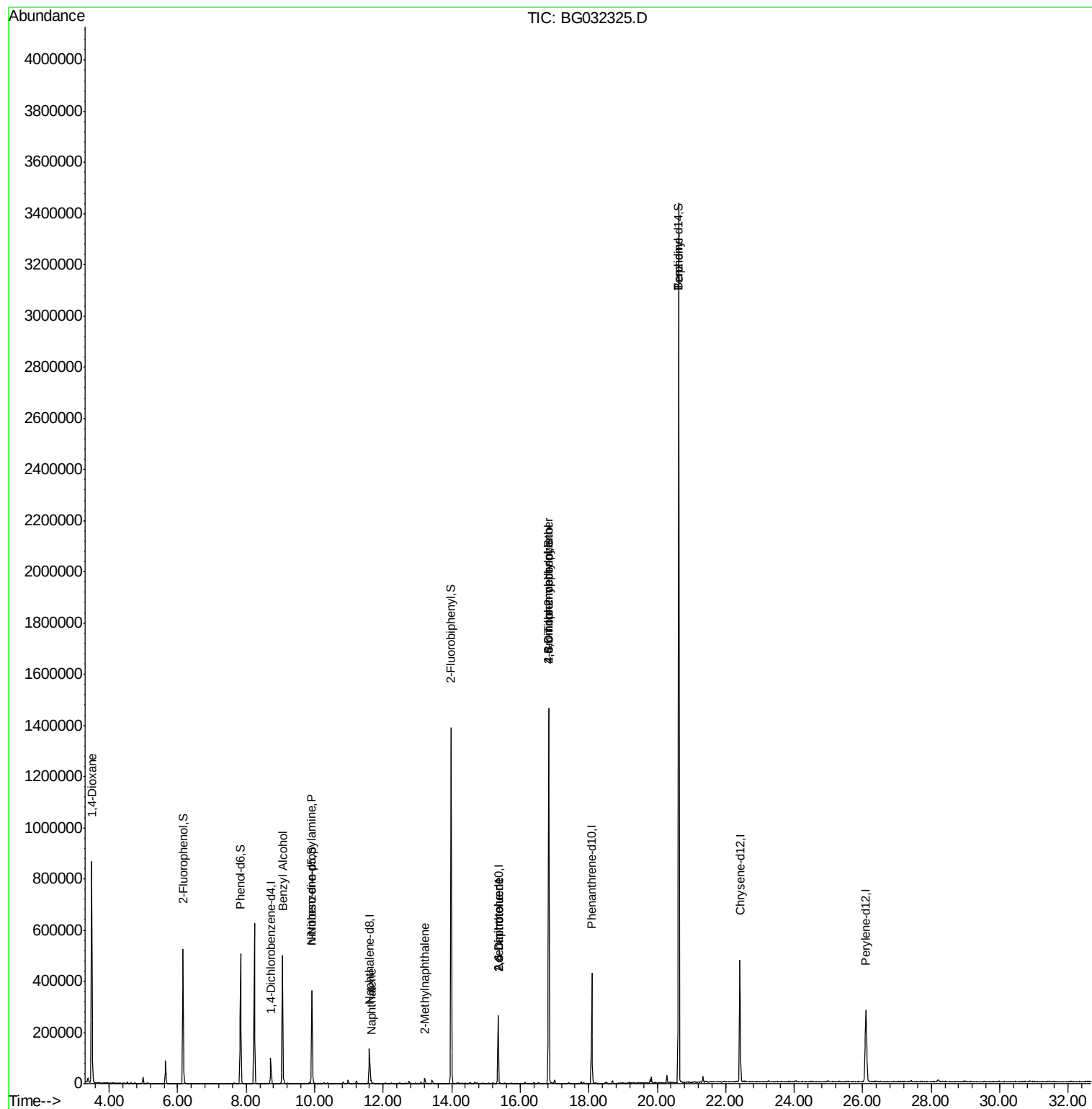
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.49	88	9818	14.120	ng	# 1
15) Benzyl Alcohol	9.05	79	4367	2.637	ng	# 53
19) n-Nitroso-di-n-propylamine	9.92	70	33501	23.688	ng	# 79
31) Naphthalene	11.65	128	14955	2.295	ng	# 94
37) 2-Methylnaphthalene	13.22	142	11002	2.127	ng	# 93
50) 2,6-Dinitrotoluene	15.35	165	13282	7.209	ng	# 20
56) 2,4-Dinitrotoluene	15.35	165	13282	5.354	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.83	198	933	5.326	ng	# 23
66) 4-Bromophenyl-phenylether	16.83	248	27132	6.427	ng	# 1
76) Benzidine	20.63	184	27867	3.040	ng	# 90

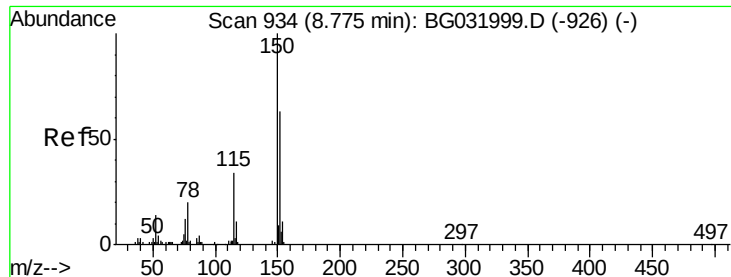
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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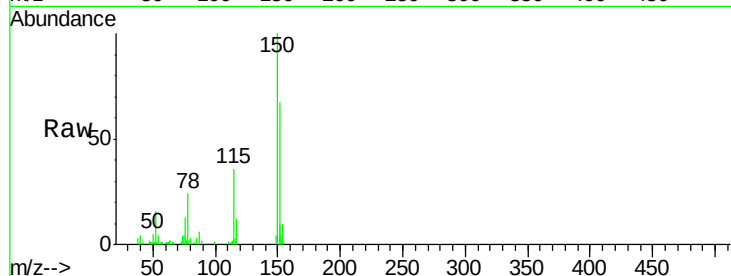


#1

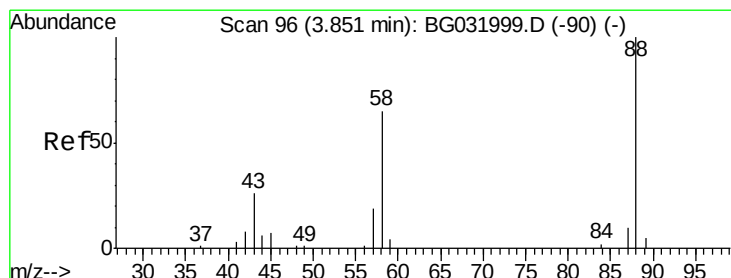
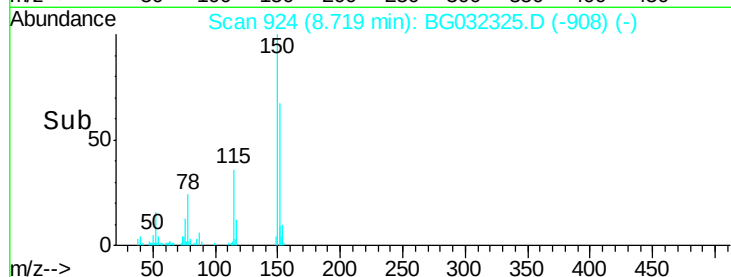
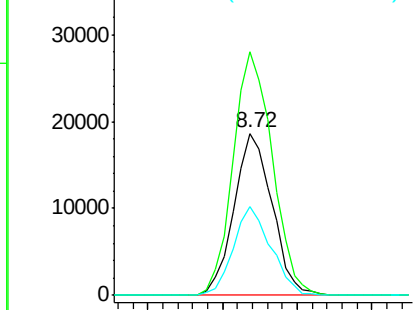
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.72 min Scan# 924
Delta R.T. -0.00 min
Lab File: BG032325.D
Acq: 26 Jan 2018 11:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 33101
Ion Ratio Lower Upper
152 100
150 150.2 126.6 189.8
115 54.6 53.0 79.4



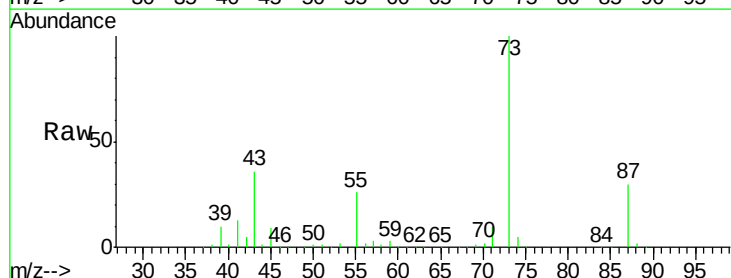
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



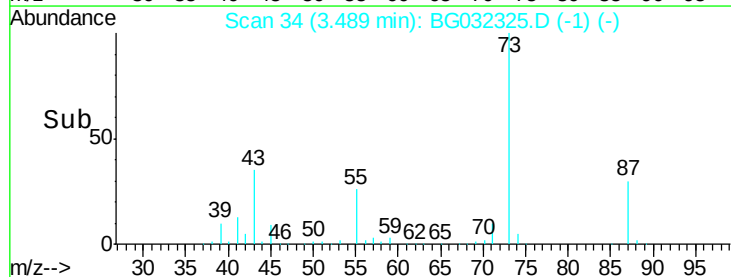
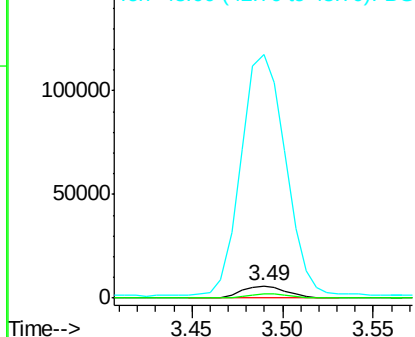
#2

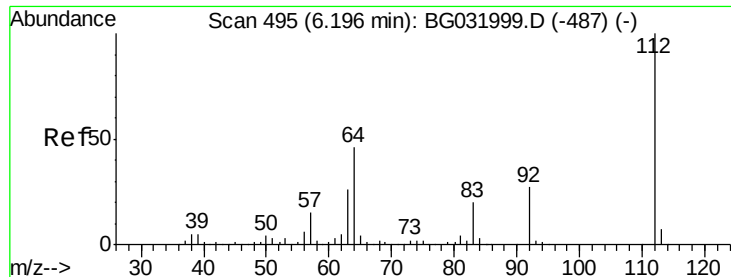
1,4-Dioxane
Concen: 14.120 ng
RT: 3.49 min Scan# 34
Delta R.T. -0.33 min
Lab File: BG032325.D
Acq: 26 Jan 2018 11:39

Tgt Ion: 88 Resp: 9818
Ion Ratio Lower Upper
88 100
58 32.8 79.6 119.4#
43 2038.4 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: 142.557 ng

RT: 6.16 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG032325.D

Acq: 26 Jan 2018 11:39

Instrument :

BNA_G

ClientSampled :

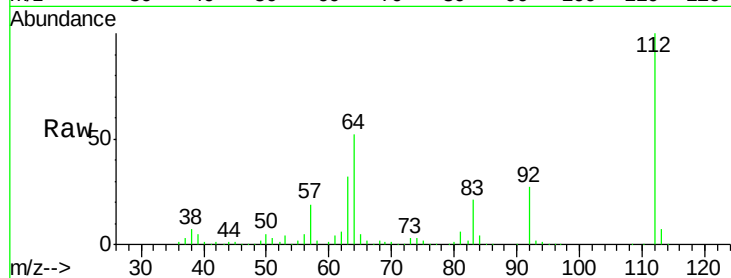
Tot Ion:112 Resp: 258008

Ion Ratio Lower Upper

112 100

64 52.2 56.3 84.5#

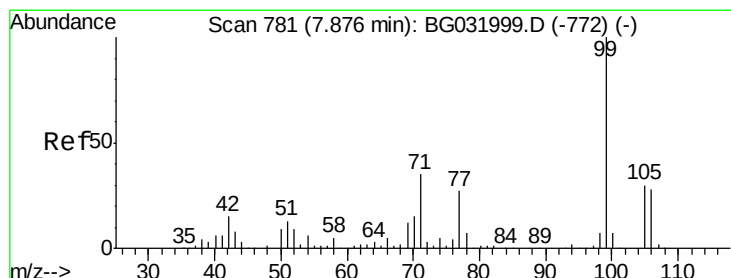
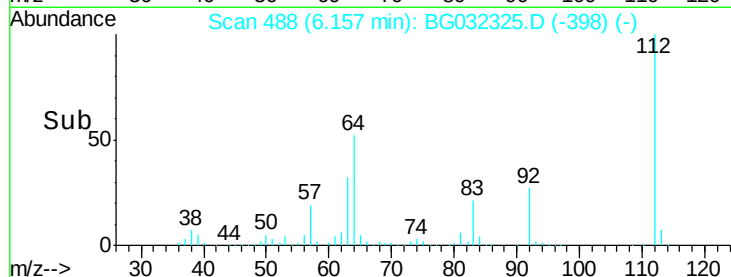
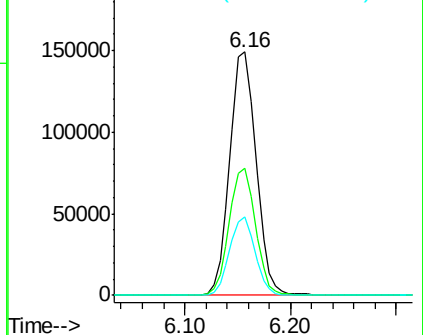
63 32.4 30.1 45.1



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: 133.545 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.00 min

Lab File: BG032325.D

Acq: 26 Jan 2018 11:39

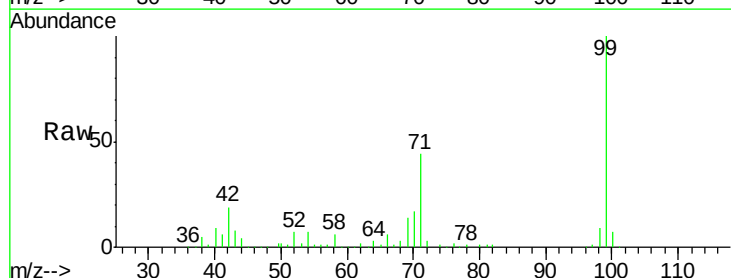
Tgt Ion: 99 Resp: 304401

Ion Ratio Lower Upper

99 100

42 19.0 14.1 21.1

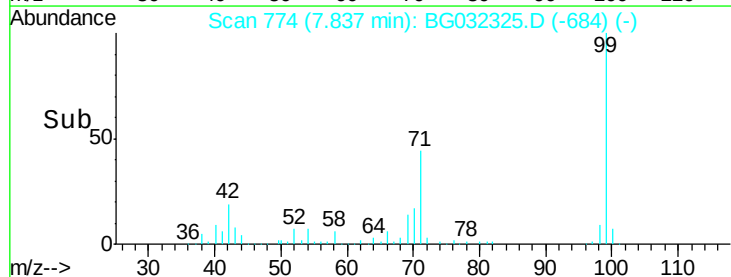
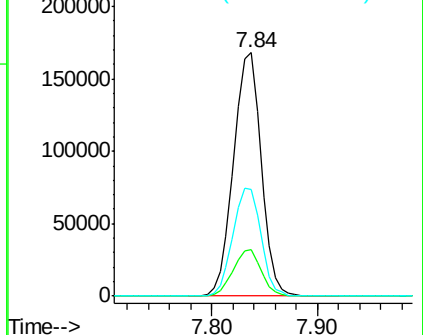
71 43.8 26.1 39.1#

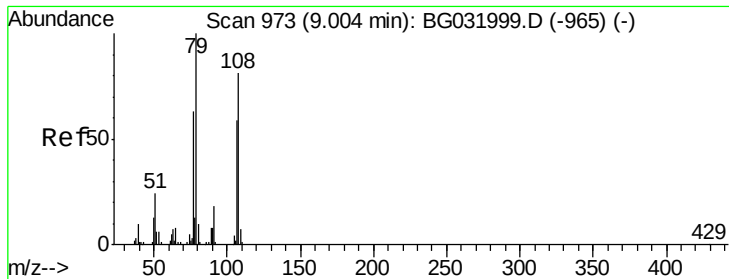


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.637 ng

RT: 9.05 min Scan# 981

Delta R.T. 0.09 min

Lab File: BG032325.D

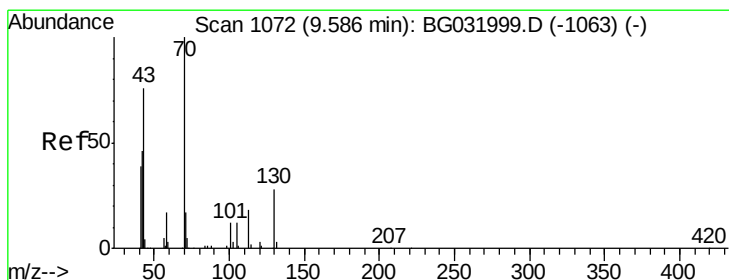
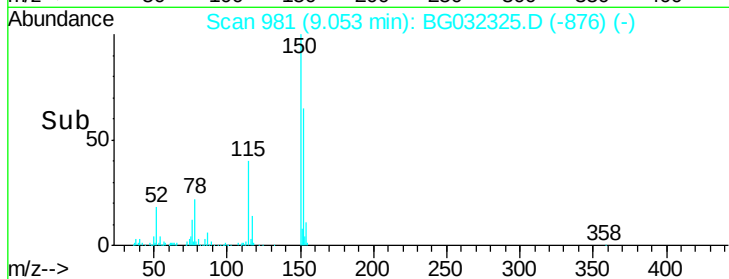
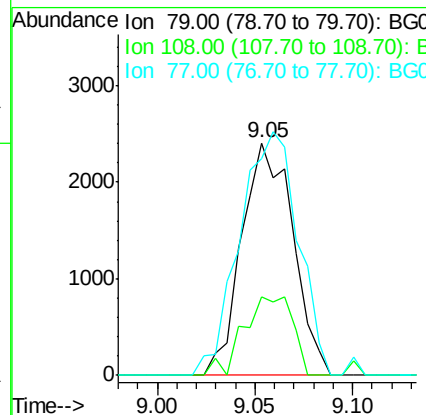
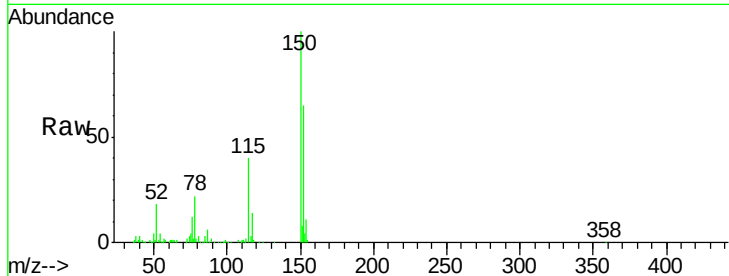
Acq: 26 Jan 2018 11:39

Instrument :

BNA_G

ClientSampleId :

Tot Ion	79	Resp	4367
Ion	Ratio	Lower	Upper
79	100		
108	34.1	57.2	85.8#
77	93.3	46.1	69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 23.688 ng

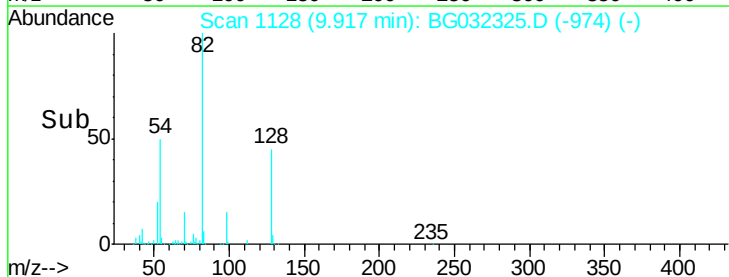
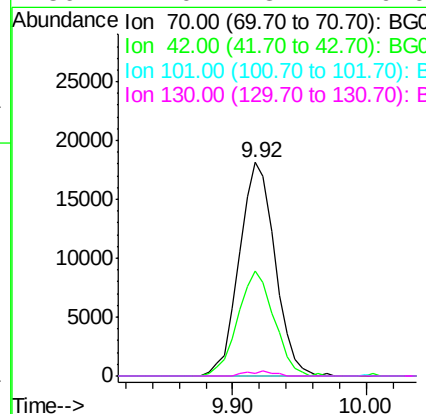
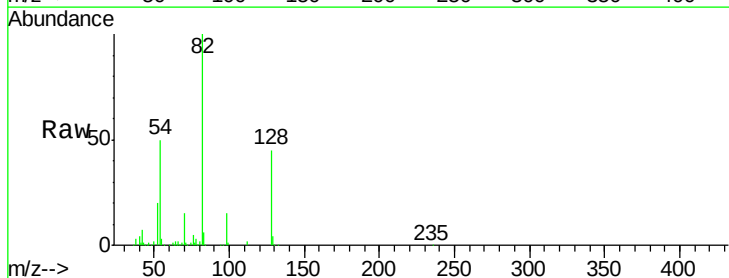
RT: 9.92 min Scan# 1128

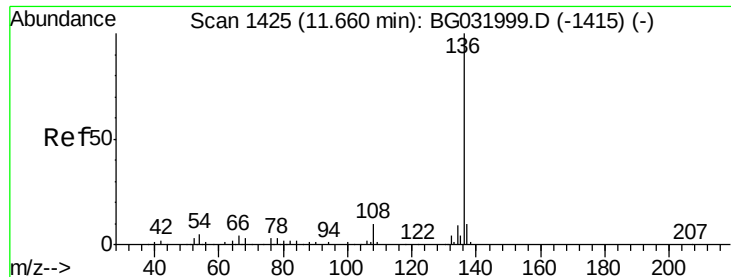
Delta R.T. 0.38 min

Lab File: BG032325.D

Acq: 26 Jan 2018 11:39

Tgt Ion	70	Resp	33501
Ion	Ratio	Lower	Upper
70	100		
42	49.1	49.1	73.7
101	0.0	8.5	12.7#
130	1.0	13.4	20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.60 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BG032325.D

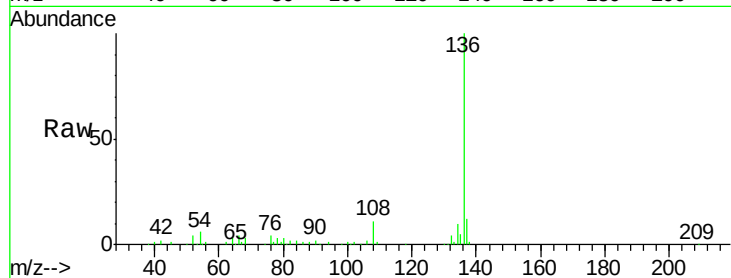
Acq: 26 Jan 2018 11:39

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136	Resp:	131516
Ion	Ratio	Lower Upper
136	100	
137	12.4	9.2 13.8
54	5.6	10.3 15.5#
68	3.1	4.5 6.7#

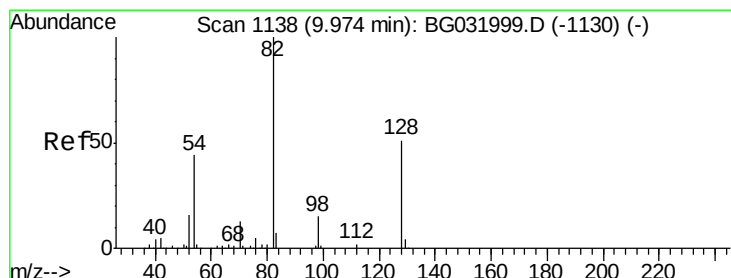
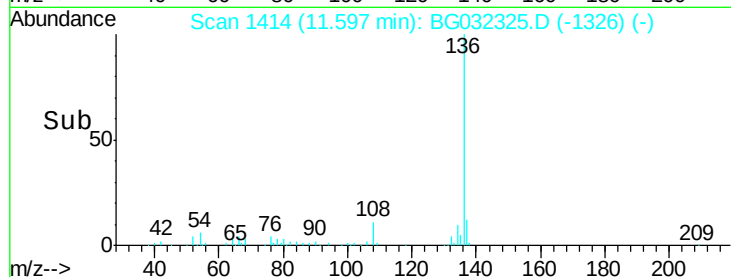
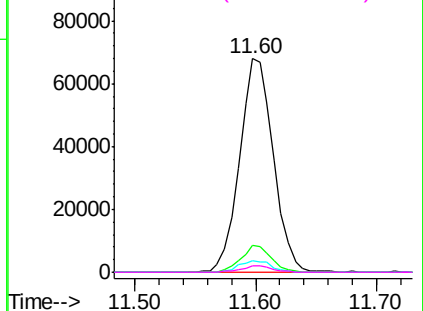


Abundance Ion 136.00 (135.70 to 136.70): BGC

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: 118.591 ng

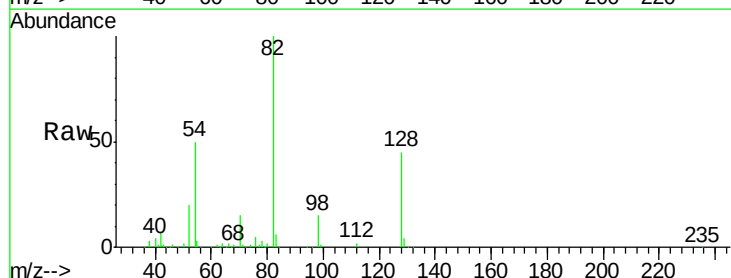
RT: 9.92 min Scan# 1128

Delta R.T. -0.00 min

Lab File: BG032325.D

Acq: 26 Jan 2018 11:39

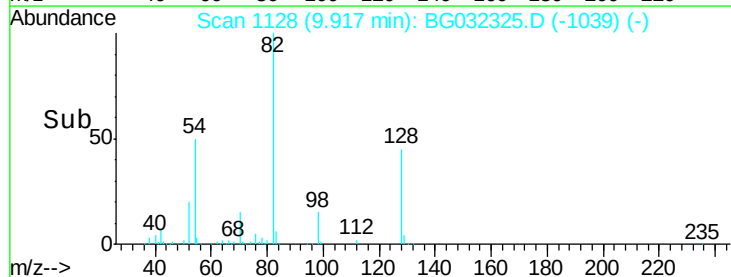
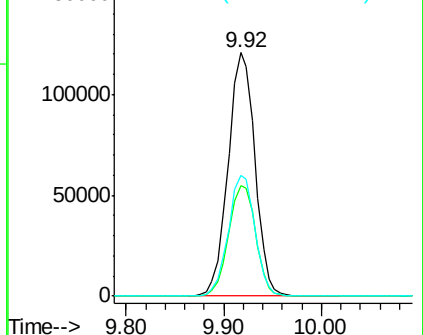
Tgt Ion: 82	Resp:	230535
Ion	Ratio	Lower Upper
82	100	
128	45.4	29.7 44.5#
54	49.7	43.1 64.7

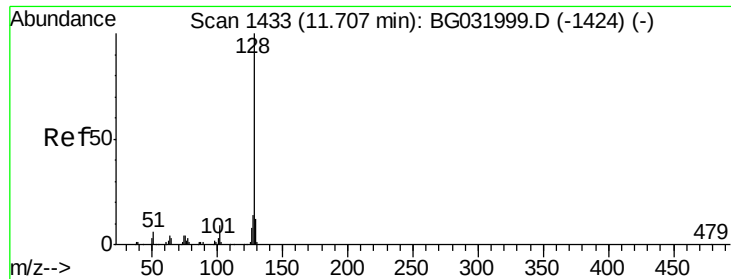


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

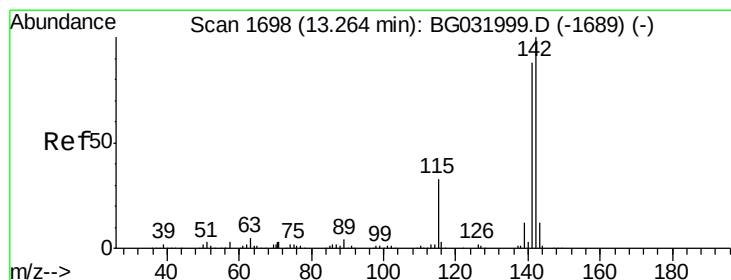
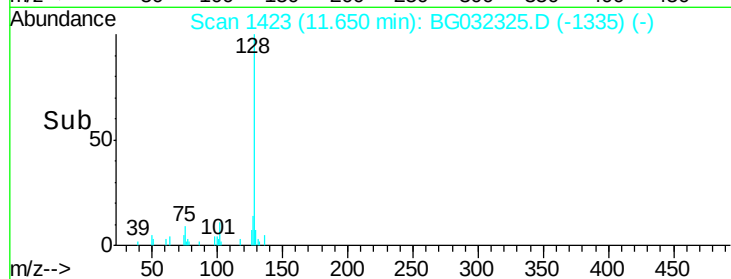
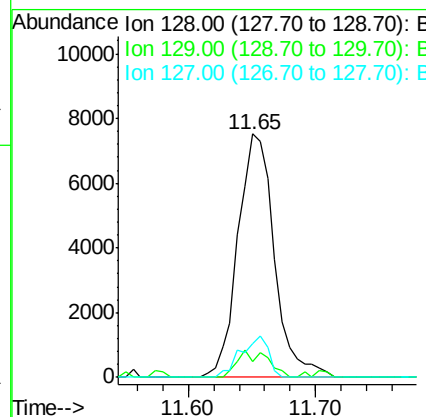
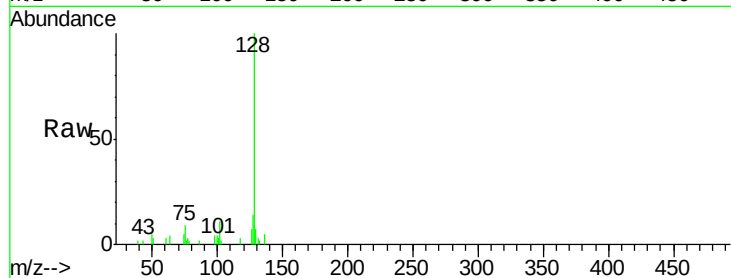




#31
Naphthalene
Concen: 2.295 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BG032325.D
Acq: 26 Jan 2018 11:39

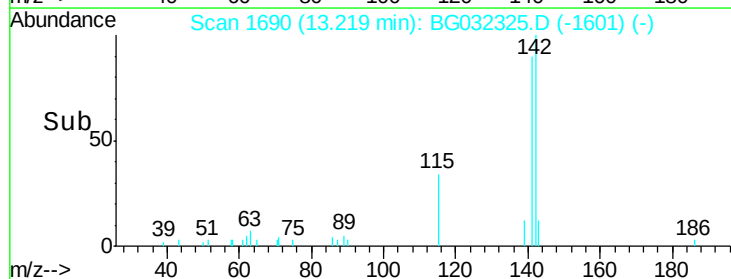
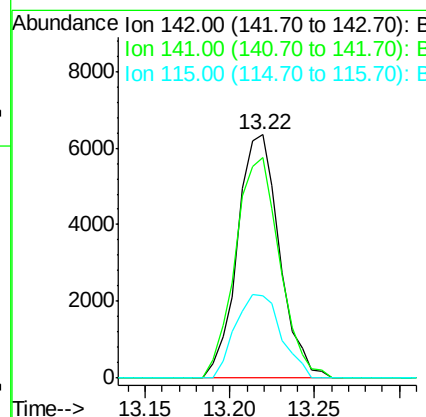
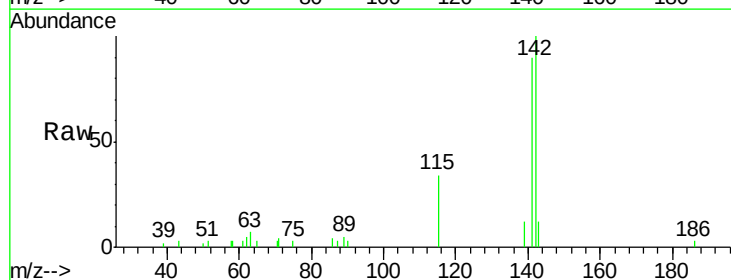
Instrument :
BNA_G
ClientSampleId :

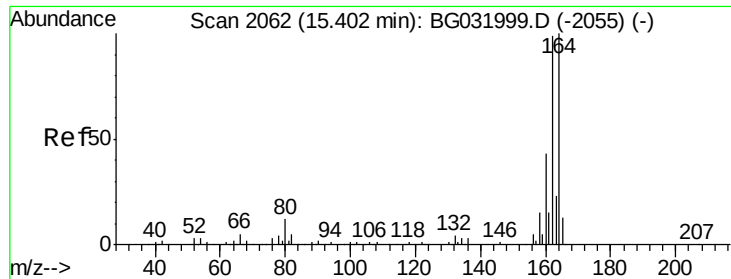
Tot Ion:128 Resp: 14955
Ion Ratio Lower Upper
128 100
129 6.7 8.6 12.8#
127 13.6 11.6 17.4



#37
2-Methylnaphthalene
Concen: 2.127 ng
RT: 13.22 min Scan# 1690
Delta R.T. -0.00 min
Lab File: BG032325.D
Acq: 26 Jan 2018 11:39

Tgt Ion:142 Resp: 11002
Ion Ratio Lower Upper
142 100
141 90.4 67.1 100.7
115 34.0 30.7 46.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BG032325.D

Acq: 26 Jan 2018 11:39

Instrument :

BNA_G

ClientSampleId :

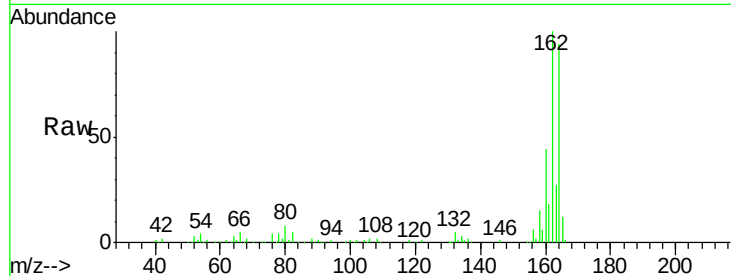
Tot Ion:164 Resp: 101440

Ion Ratio Lower Upper

164 100

162 106.9 78.8 118.2

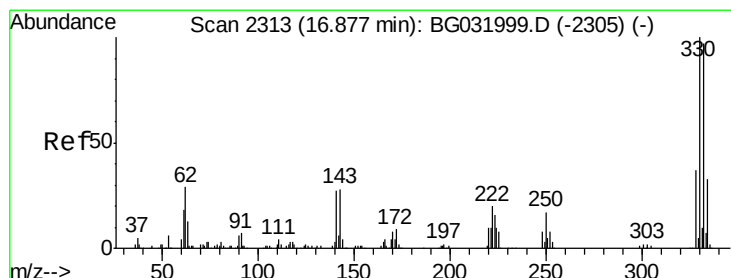
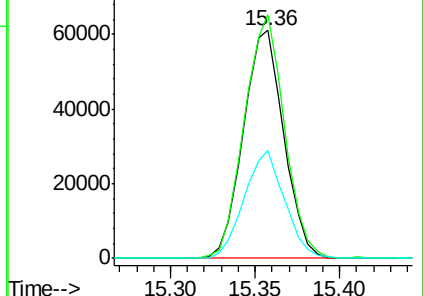
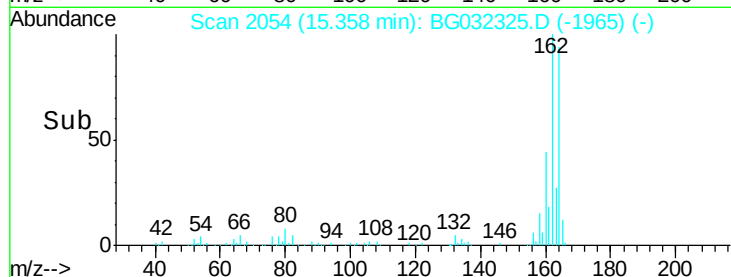
160 47.4 35.4 53.0



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: 197.296 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.00 min

Lab File: BG032325.D

Acq: 26 Jan 2018 11:39

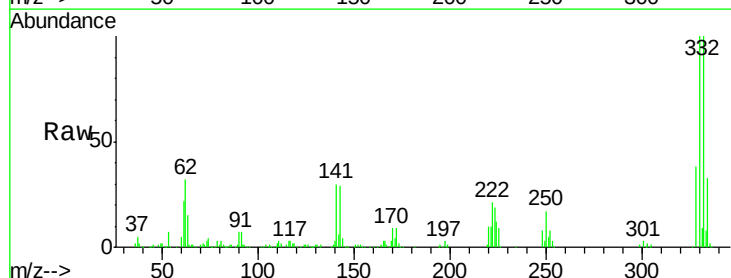
Tgt Ion:330 Resp: 331180

Ion Ratio Lower Upper

330 100

332 97.3 77.0 115.6

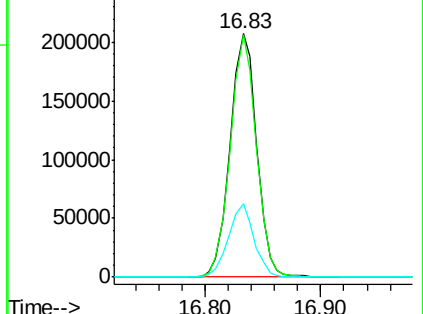
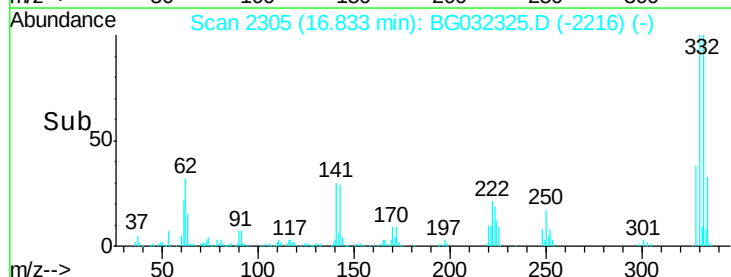
141 28.9 25.2 37.8

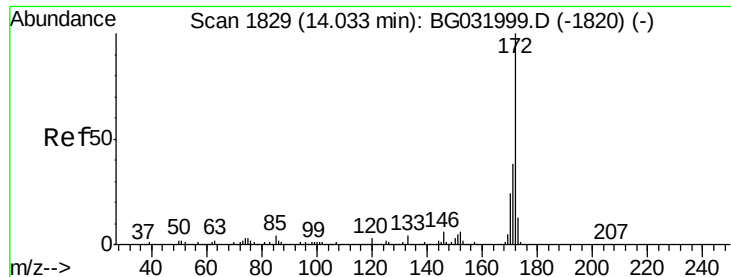


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

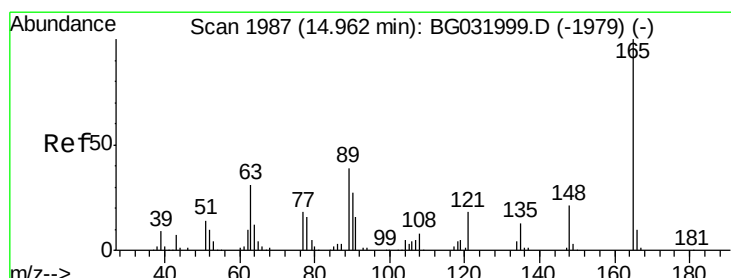
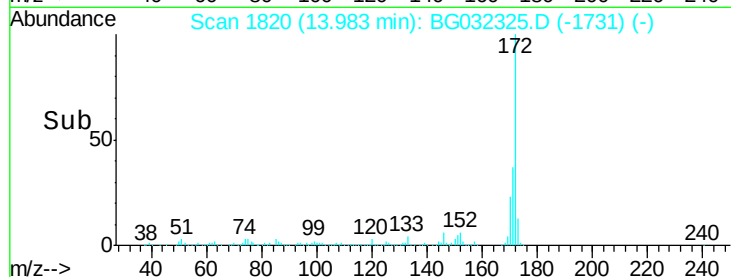
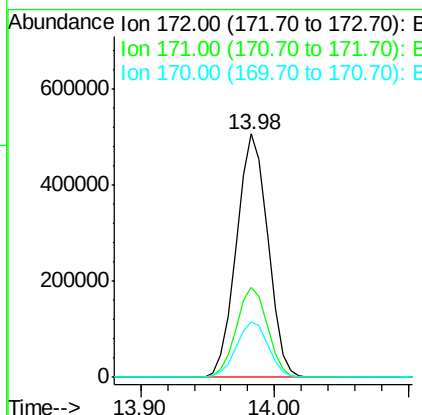
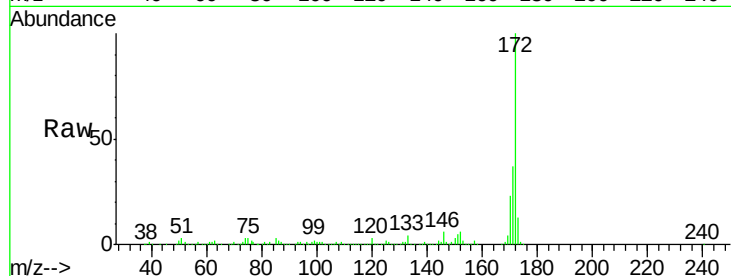




#44
2-Fluorobiphenyl
Concen: 100.841 ng
RT: 13.98 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BG032325.D
Acq: 26 Jan 2018 11:39

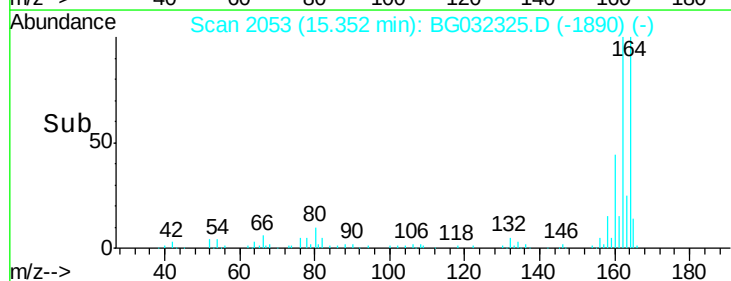
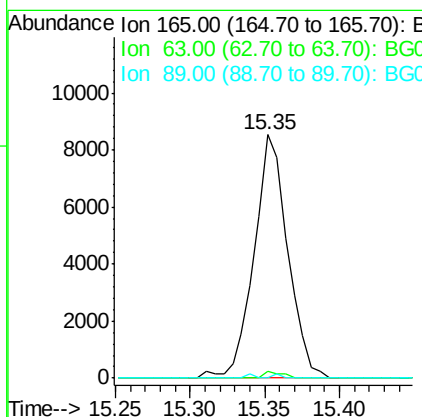
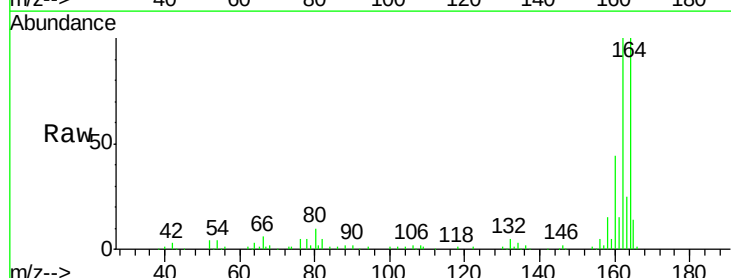
Instrument :
BNA_G
ClientSampleId :

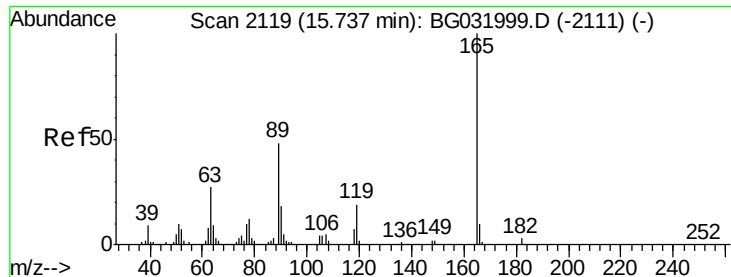
Tot Ion:172 Resp: 824976
Ion Ratio Lower Upper
172 100
171 37.2 30.0 45.0
170 22.8 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.209 ng
RT: 15.35 min Scan# 2053
Delta R.T. 0.43 min
Lab File: BG032325.D
Acq: 26 Jan 2018 11:39

Tgt Ion:165 Resp: 13282
Ion Ratio Lower Upper
165 100
63 2.6 52.7 79.1#
89 0.0 49.2 73.8#

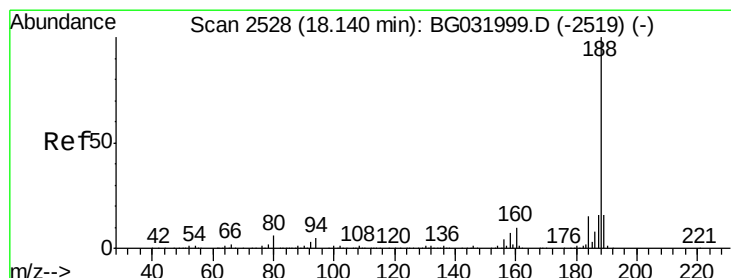
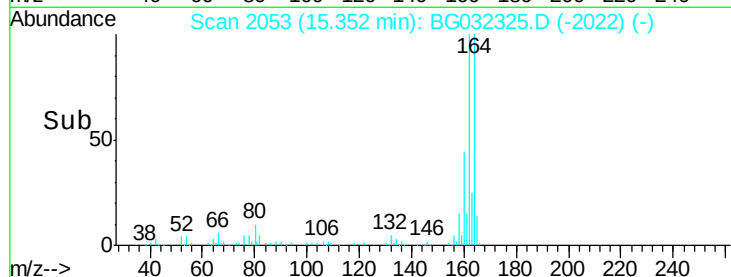
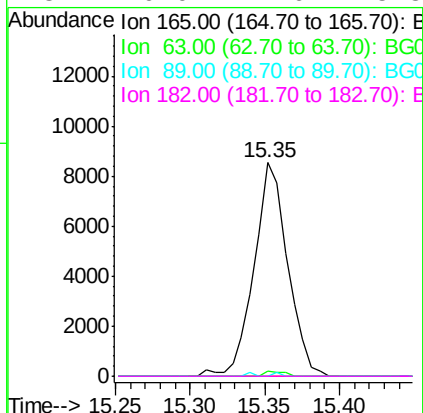
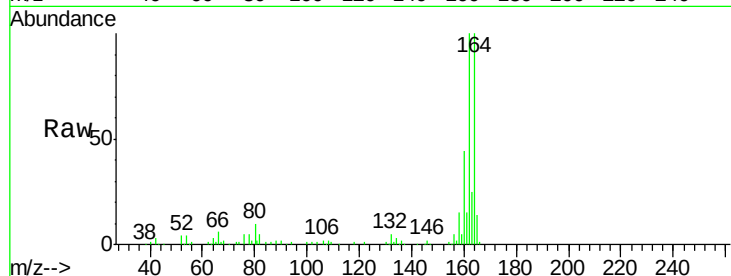




#56
 2,4-Dinitrotoluene
 Concen: 5.354 ng
 RT: 15.35 min Scan# 2053
 Delta R.T. -0.35 min
 Lab File: BG032325.D
 Acq: 26 Jan 2018 11:39

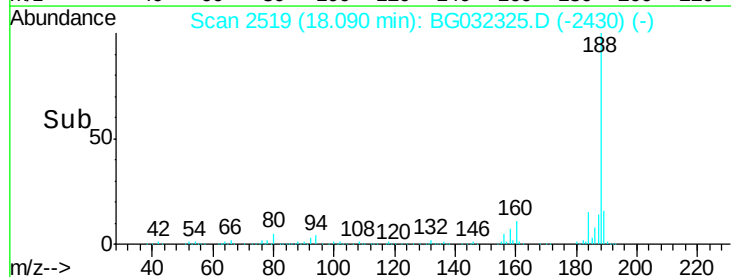
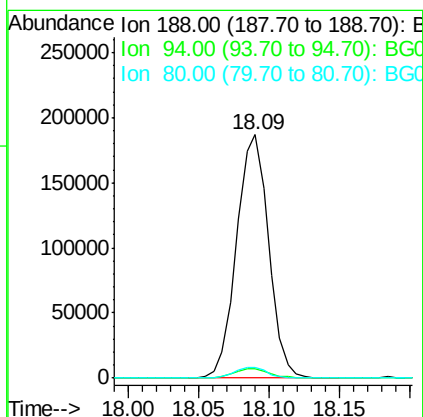
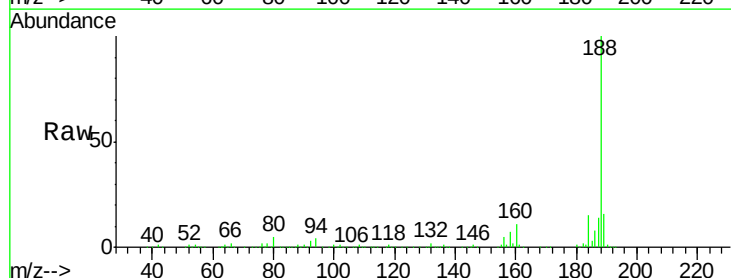
Instrument :
 BNA_G
 ClientSampleId :

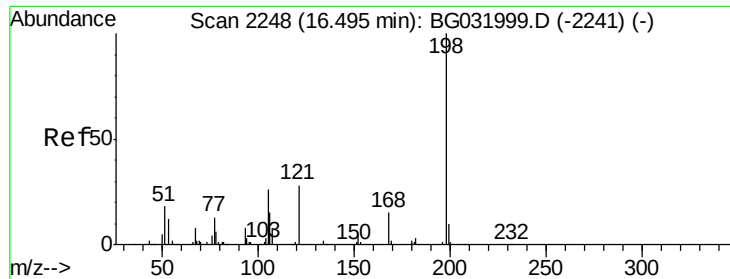
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.6	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.00 min
 Lab File: BG032325.D
 Acq: 26 Jan 2018 11:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	3.6	6.9	10.3#
80	4.5	7.7	11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.326 ng

RT: 16.83 min Scan# 2305

Delta R.T. 0.38 min

Lab File: BG032325.D

Acq: 26 Jan 2018 11:39

Instrument :

BNA_G

ClientSampleId :

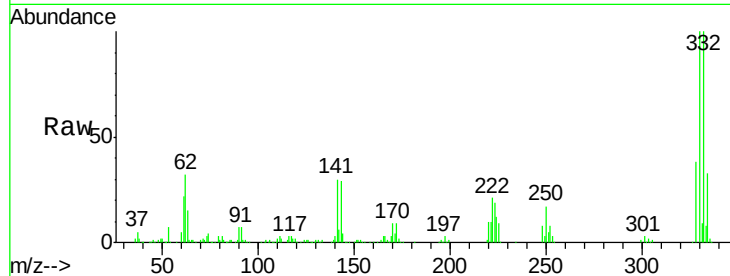
Tot Ion:198 Resp: 933

Ion Ratio Lower Upper

198 100

51 97.5 30.6 70.6#

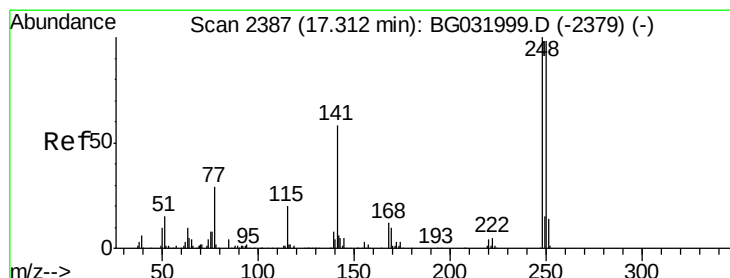
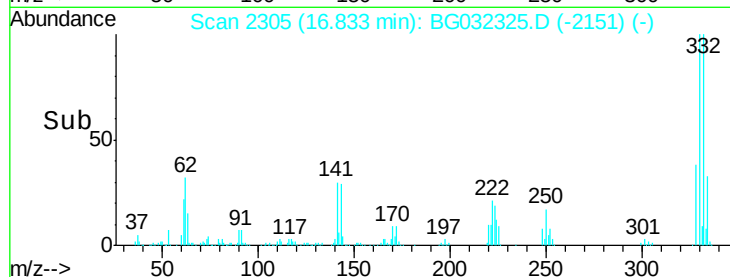
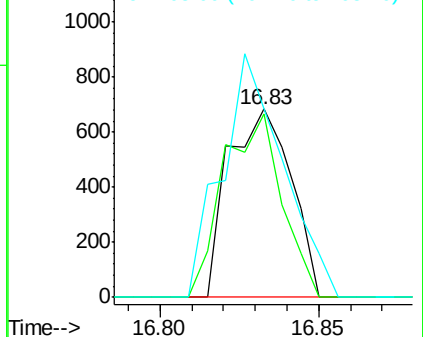
105 100.4 23.8 63.8#



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: 6.427 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.43 min

Lab File: BG032325.D

Acq: 26 Jan 2018 11:39

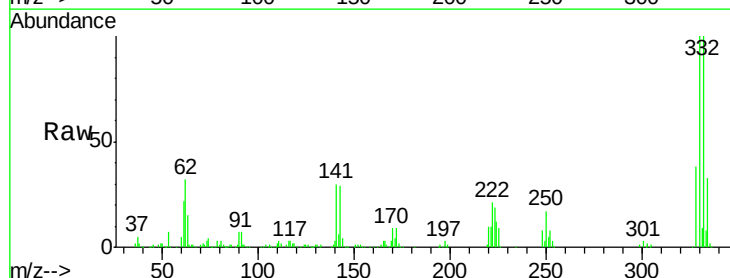
Tgt Ion:248 Resp: 27132

Ion Ratio Lower Upper

248 100

250 206.5 77.1 115.7#

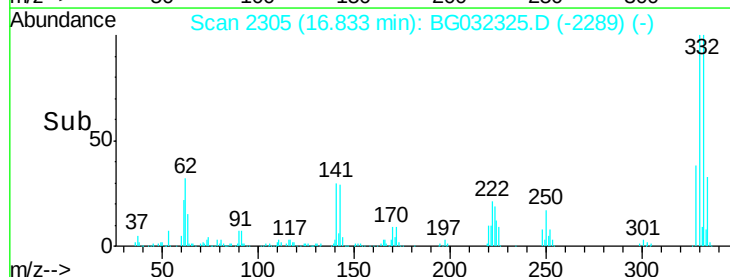
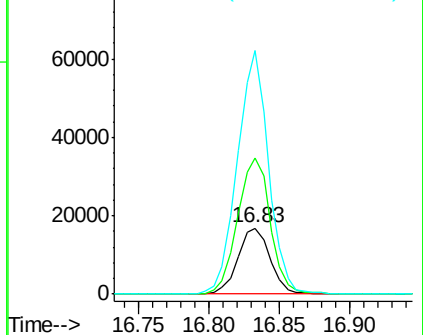
141 367.8 50.8 76.2#

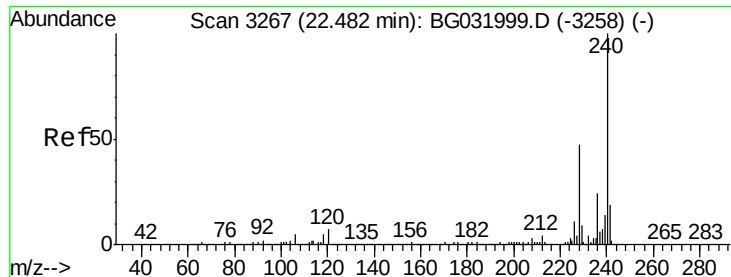


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.41 min Scan# 3255

Delta R.T. -0.01 min

Lab File: BG032325.D

Acq: 26 Jan 2018 11:39

Instrument :

BNA_G

ClientSampleId :

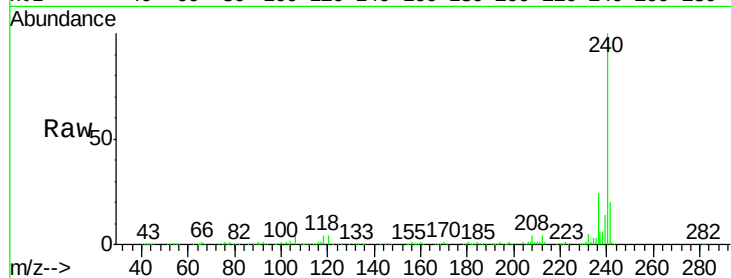
Tot Ion:240 Resp: 366572

Ion Ratio Lower Upper

240 100

120 3.9 6.8 10.2#

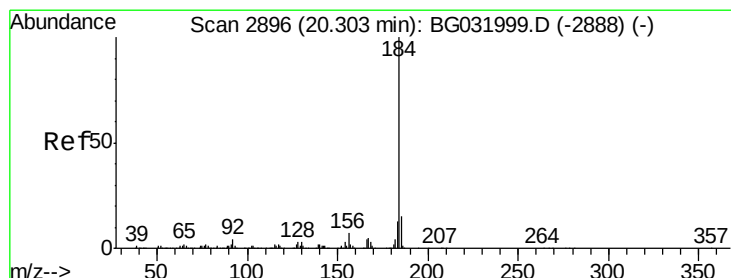
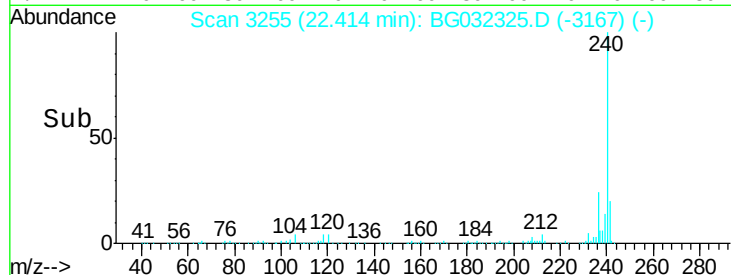
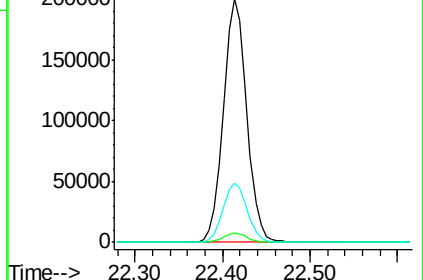
236 24.2 20.9 31.3



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: 3.040 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.37 min

Lab File: BG032325.D

Acq: 26 Jan 2018 11:39

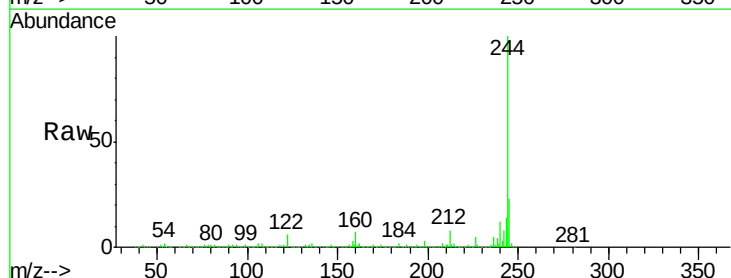
Tgt Ion:184 Resp: 27867

Ion Ratio Lower Upper

184 100

185 16.7 11.1 16.7#

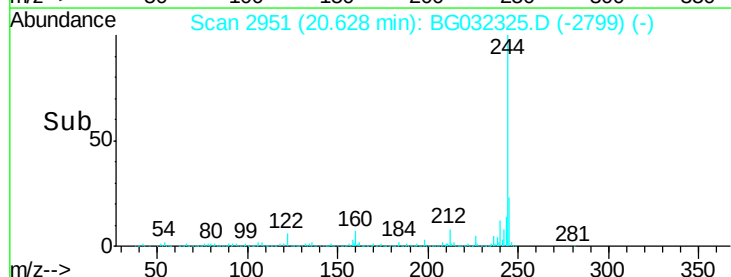
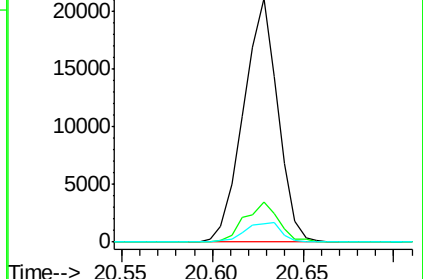
183 7.8 10.6 16.0#

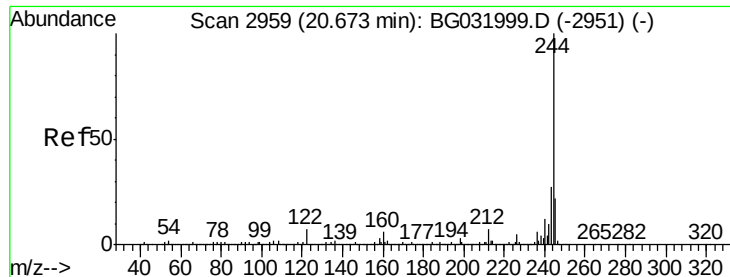


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 110.391 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.00 min

Lab File: BG032325.D

Acq: 26 Jan 2018 11:39

Instrument :

BNA_G

ClientSampleId :

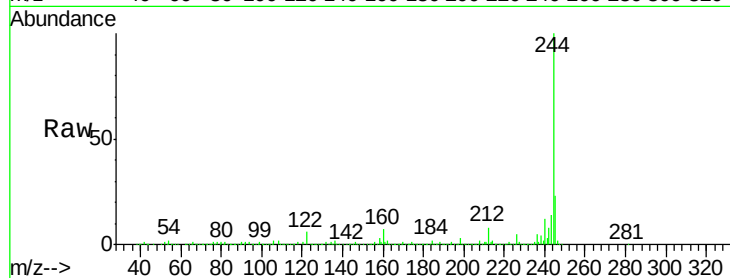
Tot Ion:244 Resp: 1832676

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

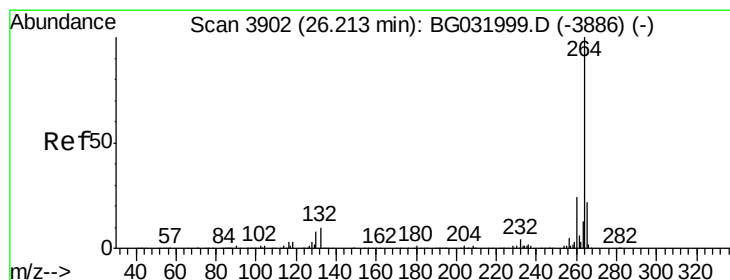
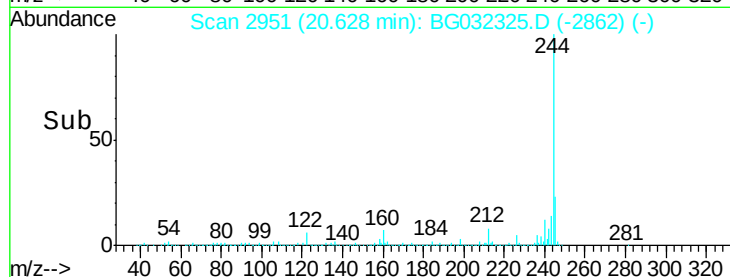
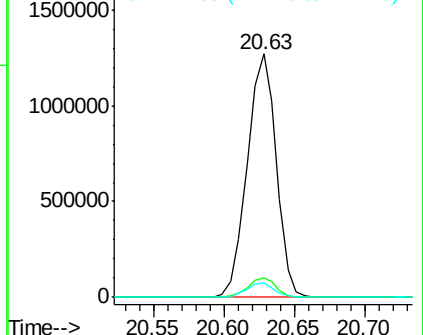
122 5.9 7.0 10.4#



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: 26.09 min Scan# 3881

Delta R.T. -0.02 min

Lab File: BG032325.D

Acq: 26 Jan 2018 11:39

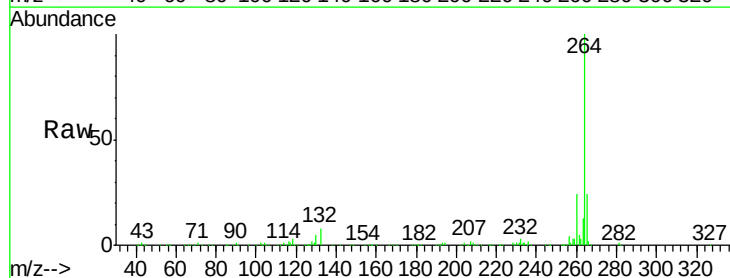
Tgt Ion:264 Resp: 387154

Ion Ratio Lower Upper

264 100

260 23.5 17.4 26.0

265 23.8 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

