

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021418\
 Data File : BG032683.D
 Acq On : 14 Feb 2018 16:22
 Operator : SJ/JU
 Sample : J1539-04
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 15 02:52:38 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 12 18:08:01 2018
 Response via : Initial Calibration

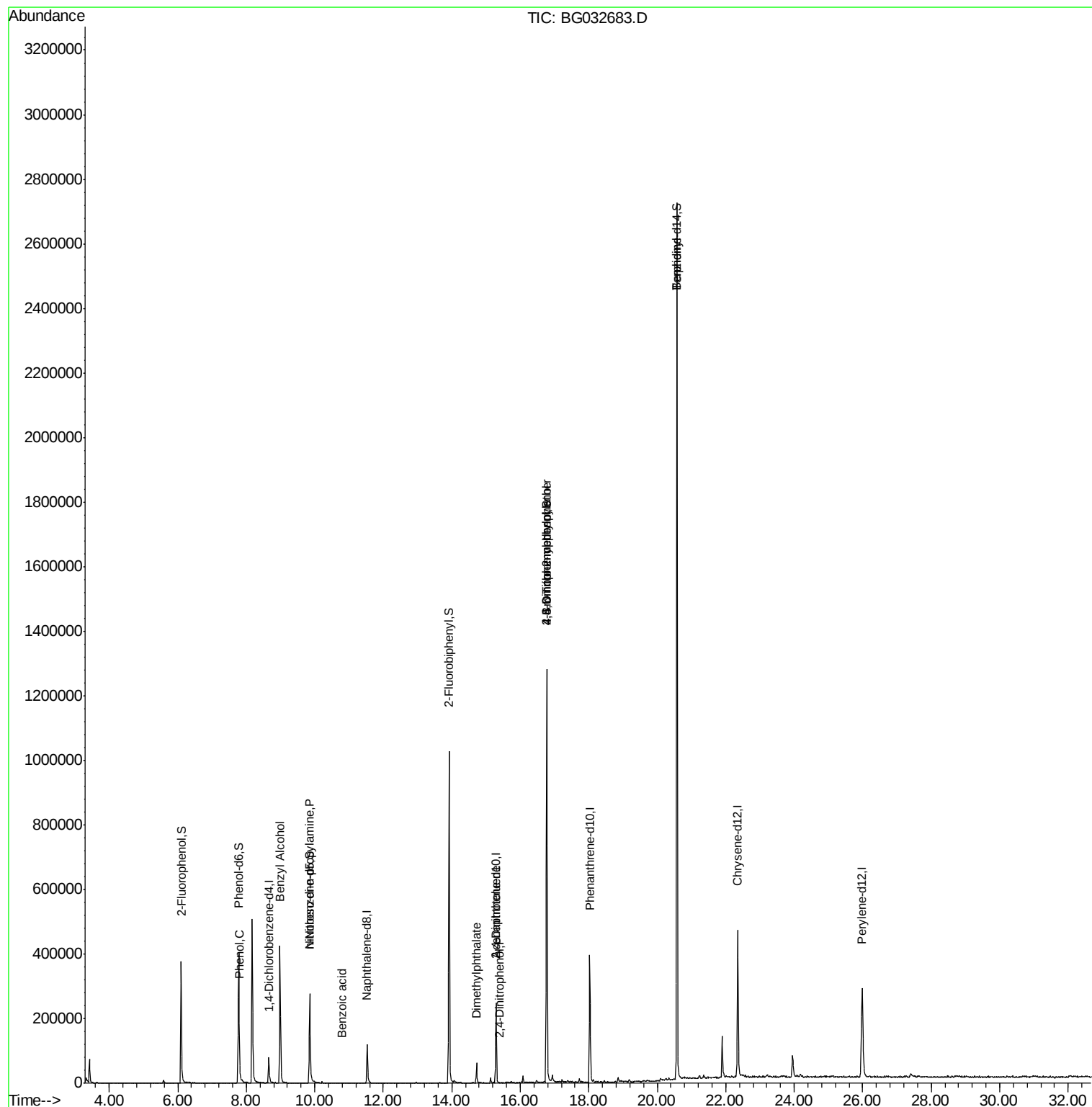
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	30634	20.00	ng	-0.02
21) Naphthalene-d8	11.53	136	124119	20.00	ng	-0.02
38) Acenaphthene-d10	15.29	164	99274	20.00	ng	-0.02
63) Phenanthrene-d10	18.03	188	291252	20.00	ng	-0.02
75) Chrysene-d12	22.35	240	370300	20.00	ng	-0.02
86) Perylene-d12	25.99	264	382086	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.10	112	193368	126.64	ng	-0.02
7) Phenol-d6	7.78	99	276267	132.32	ng	-0.02
23) Nitrobenzene-d5	9.85	82	194127	99.40	ng	-0.02
41) 2,4,6-Tribromophenol	16.77	330	278055	181.90	ng	-0.02
44) 2-Fluorobiphenyl	13.92	172	637025	80.24	ng	-0.01
78) Terphenyl-d14	20.57	244	1465434	90.20	ng	-0.01
Target Compounds						
10) Phenol	7.80	94	10173	5.01	ng	# 43
15) Benzyl Alcohol	8.99	79	3752	2.40	ng	# 50
19) n-Nitroso-di-n-propylamine	9.85	70	30215	21.53	ng	# 72
32) Benzoic acid	10.80	122	68	4.44	ng	# 1
49) Dimethylphthalate	14.72	163	48422	5.64	ng	# 98
53) 2,4-Dinitrophenol	15.41	184	70	11.52	ng	# 1
56) 2,4-Dinitrotoluene	15.29	165	12743	5.23	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.77	198	792	5.36	ng	# 27
66) 4-Bromophenyl-phenylether	16.77	248	23933	5.74	ng	# 1
76) Benzidine	20.57	184	23301	2.67	ng	# 87

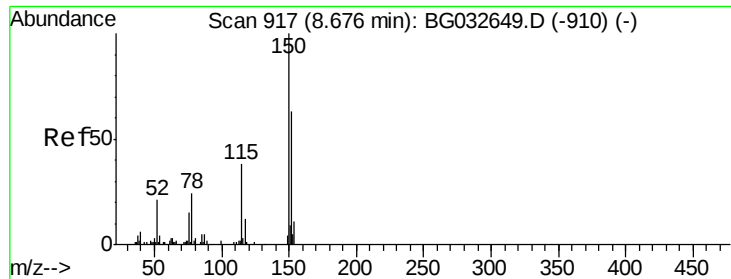
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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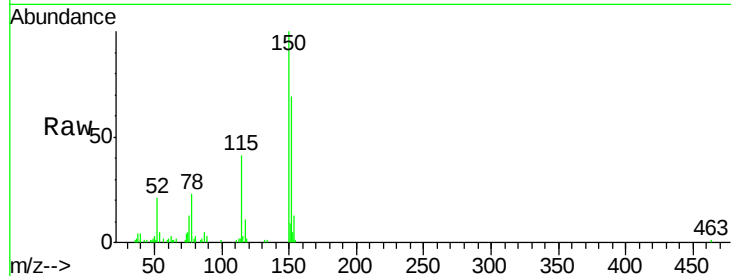


#1

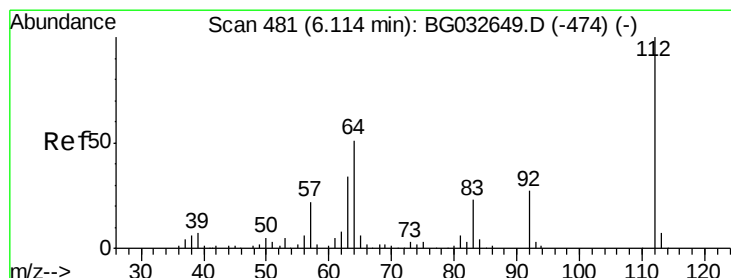
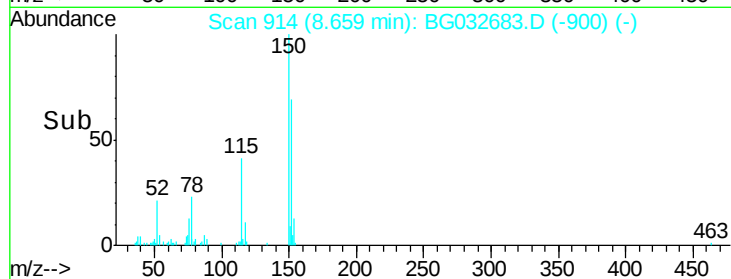
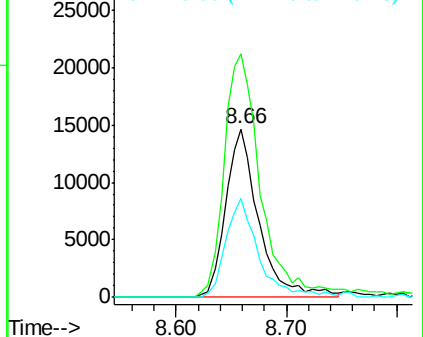
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.66 min Scan# 914
Delta R.T. -0.02 min
Lab File: BG032683.D
Acq: 14 Feb 2018 16:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 30634
Ion Ratio Lower Upper
152 100
150 144.8 126.6 189.8
115 59.0 53.0 79.4



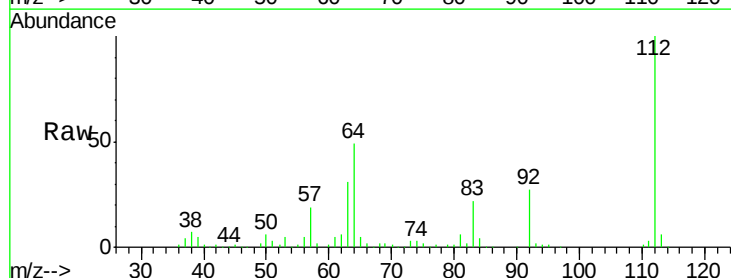
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



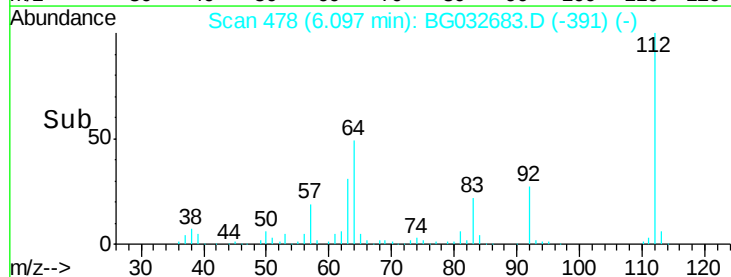
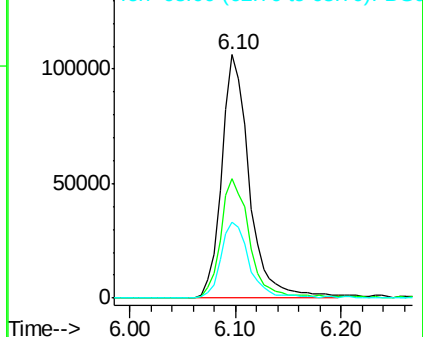
#5

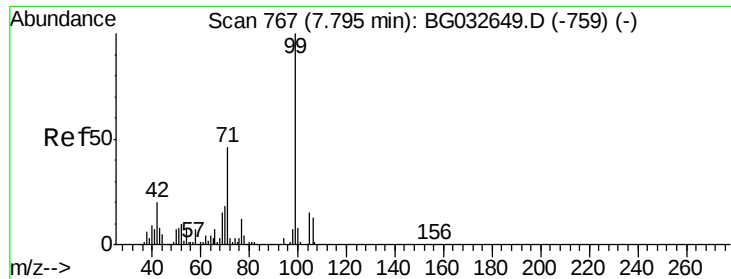
2-Fluorophenol
Concen: 126.64 ng
RT: 6.10 min Scan# 478
Delta R.T. -0.02 min
Lab File: BG032683.D
Acq: 14 Feb 2018 16:22

Tgt Ion:112 Resp: 193368
Ion Ratio Lower Upper
112 100
64 49.0 56.3 84.5#
63 31.1 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 132.32 ng

RT: 7.78 min Scan# 764

Delta R.T. -0.02 min

Lab File: BG032683.D

Acq: 14 Feb 2018 16:22

Instrument :

BNA_G

ClientSampleId :

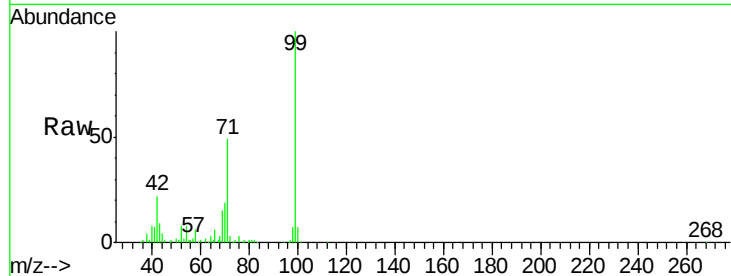
Tot Ion: 99 Resp: 276267

Ion Ratio Lower Upper

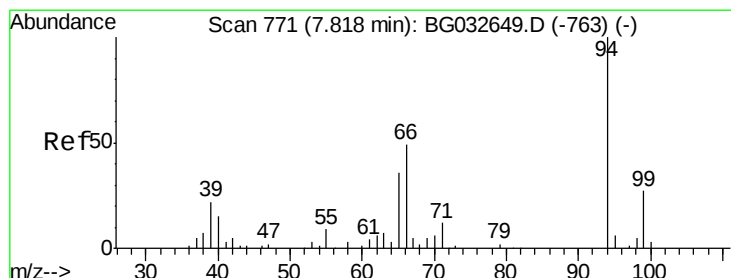
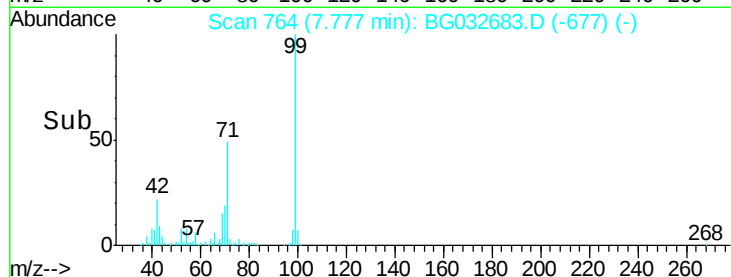
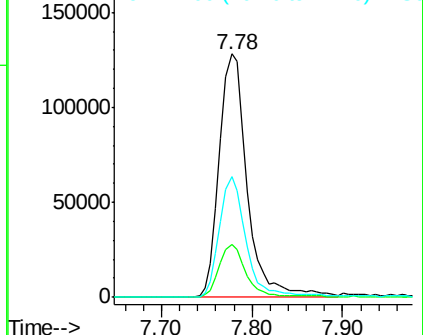
99 100

42 21.5 14.1 21.1#

71 49.3 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



#10

Phenol

Concen: 5.01 ng

RT: 7.80 min Scan# 768

Delta R.T. -0.02 min

Lab File: BG032683.D

Acq: 14 Feb 2018 16:22

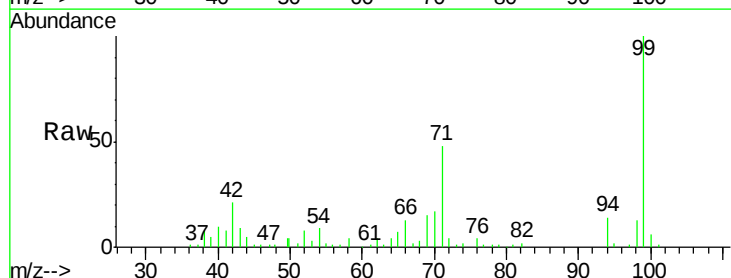
Tgt Ion: 94 Resp: 10173

Ion Ratio Lower Upper

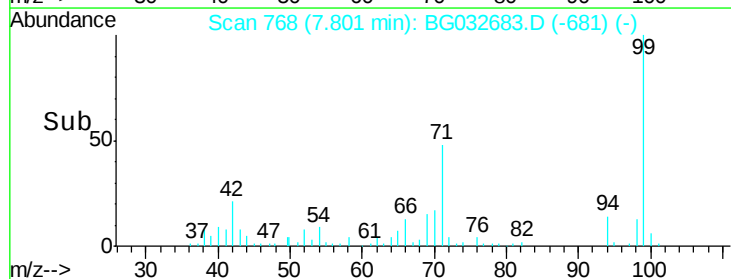
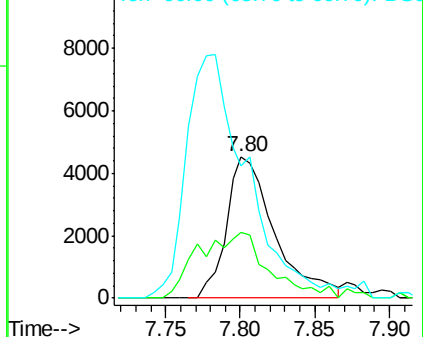
94 100

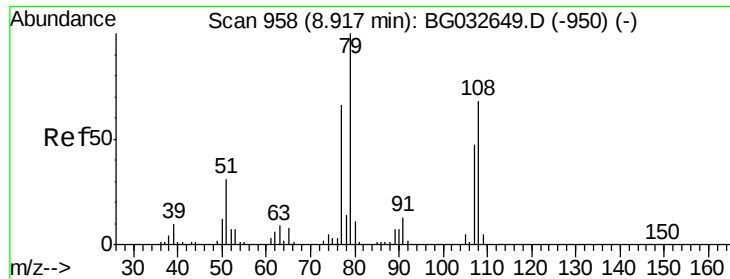
65 46.4 11.9 51.9

66 93.5 22.2 62.2#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 2.40 ng

RT: 8.99 min Scan# 970

Delta R.T. 0.07 min

Lab File: BG032683.D

Acq: 14 Feb 2018 16:22

Instrument :

BNA_G

ClientSampleId :

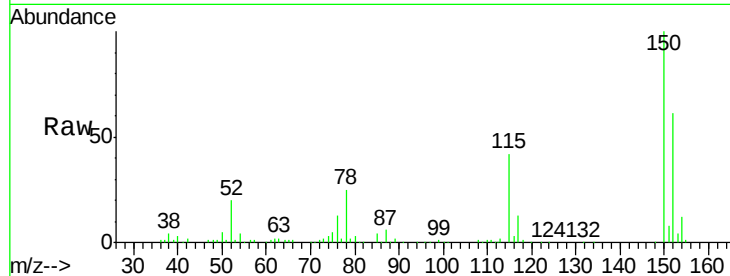
Tot Ion: 79 Resp: 3752

Ion Ratio Lower Upper

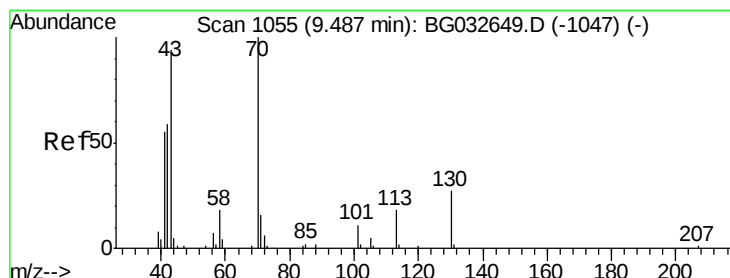
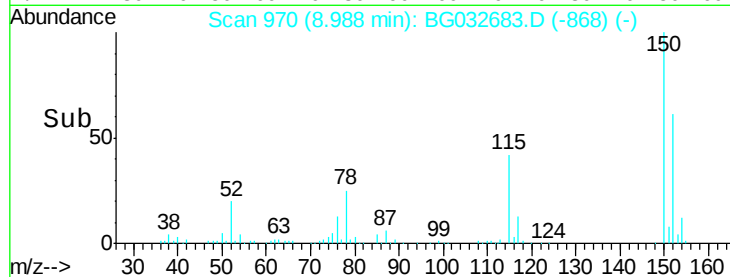
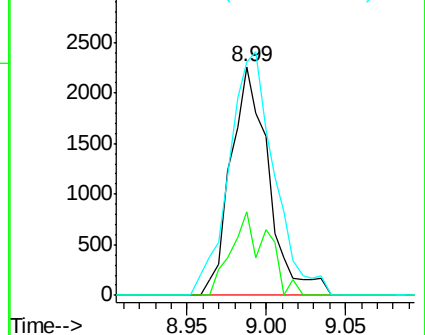
79 100

108 36.5 57.2 85.8#

77 102.1 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 21.53 ng

RT: 9.85 min Scan# 1117

Delta R.T. 0.36 min

Lab File: BG032683.D

Acq: 14 Feb 2018 16:22

Tgt Ion: 70 Resp: 30215

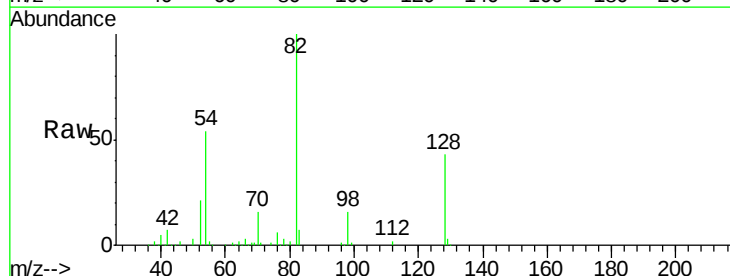
Ion Ratio Lower Upper

70 100

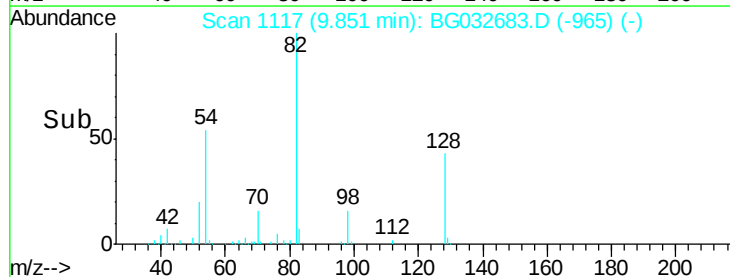
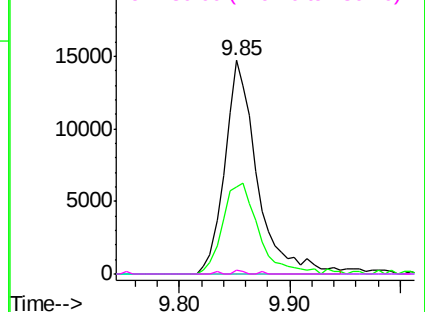
42 41.0 49.1 73.7#

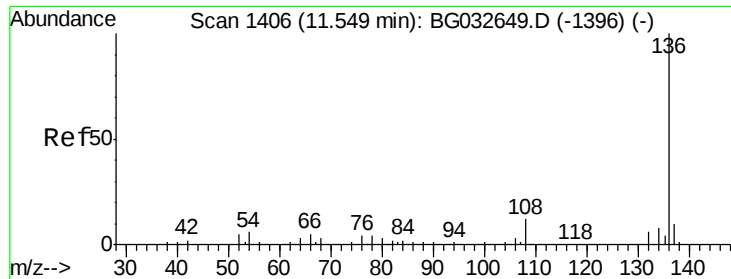
101 0.0 8.5 12.7#

130 1.8 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

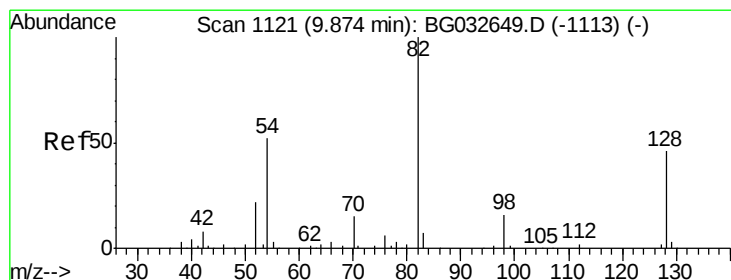
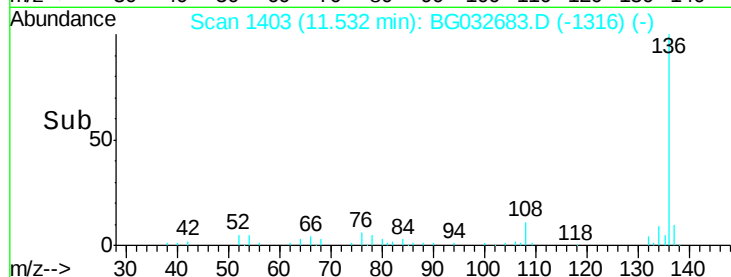
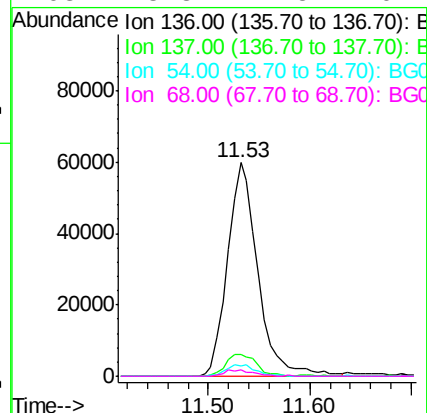
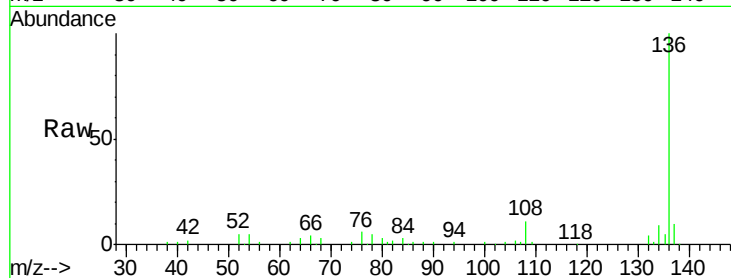




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.53 min Scan# 1403
Delta R.T. -0.02 min
Lab File: BG032683.D
Acq: 14 Feb 2018 16:22

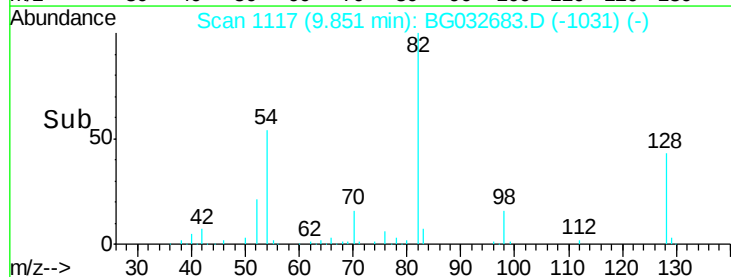
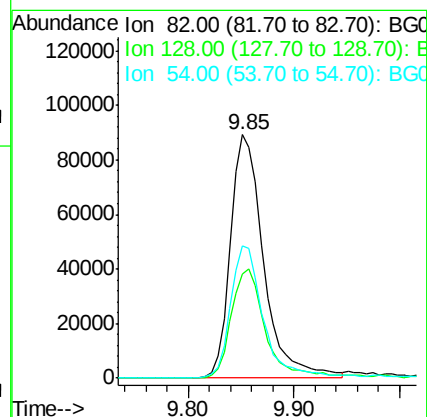
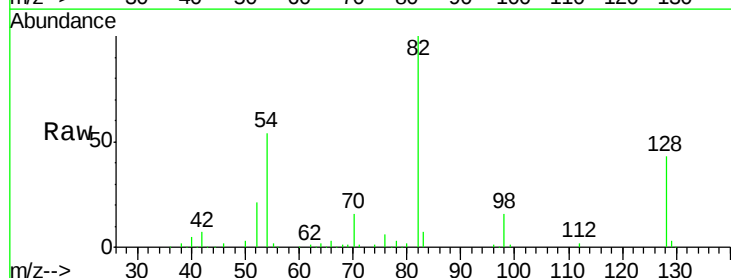
Instrument :
BNA_G
ClientSampleId :

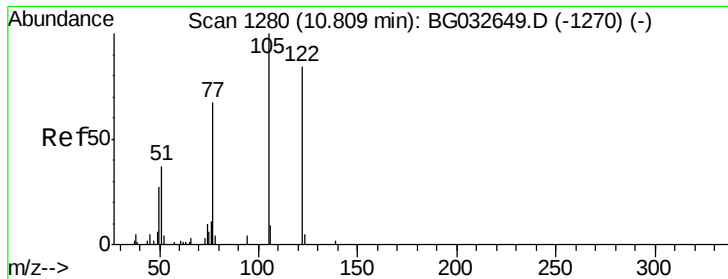
Tot Ion:136	Resp:	124119
Ion	Ratio	Lower Upper
136	100	
137	10.2	9.2 13.8
54	5.0	10.3 15.5#
68	3.3	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 99.40 ng
RT: 9.85 min Scan# 1117
Delta R.T. -0.02 min
Lab File: BG032683.D
Acq: 14 Feb 2018 16:22

Tgt Ion: 82	Resp:	194127
Ion	Ratio	Lower Upper
82	100	
128	42.9	29.7 44.5
54	54.1	43.1 64.7

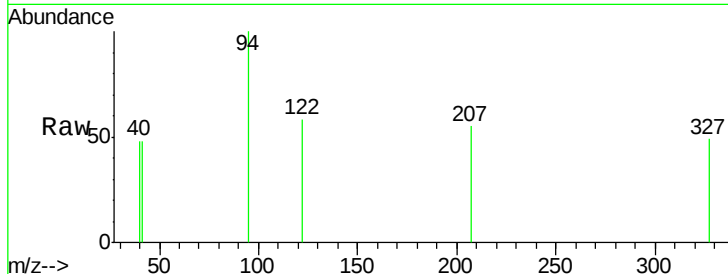




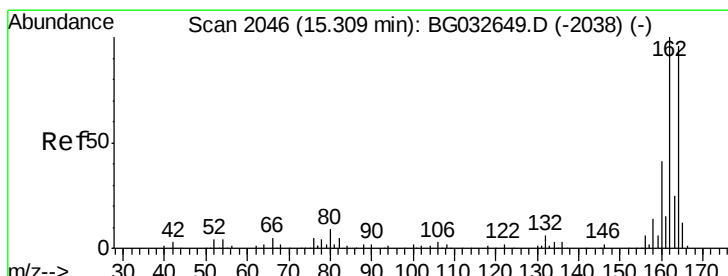
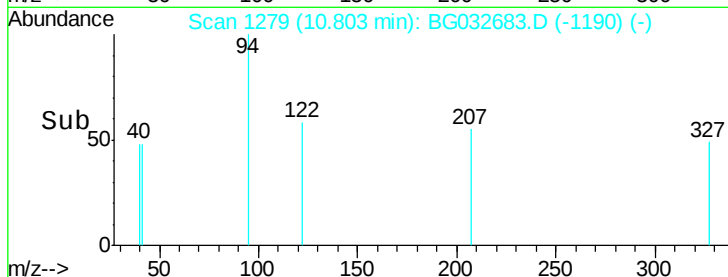
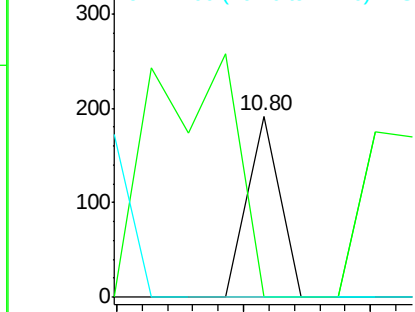
#32
Benzoic acid
Concen: 4.44 ng
RT: 10.80 min Scan# 1279
Delta R.T. -0.00 min
Lab File: BG032683.D
Acq: 14 Feb 2018 16:22

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#

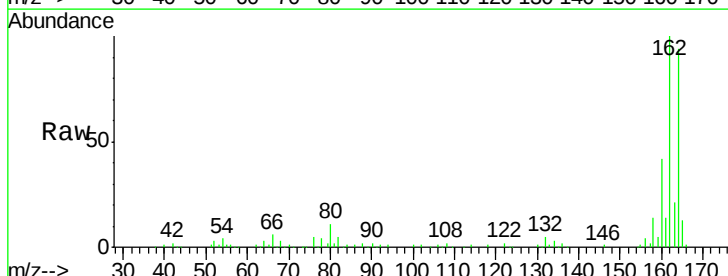


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

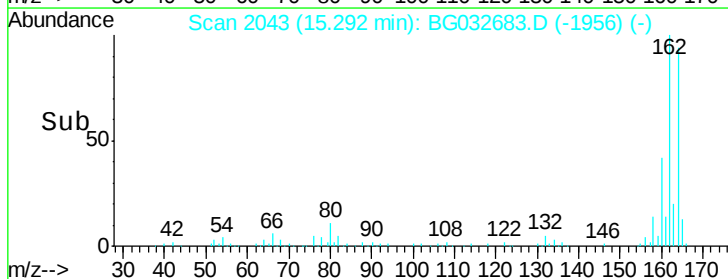
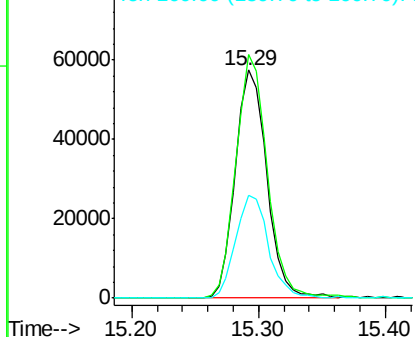


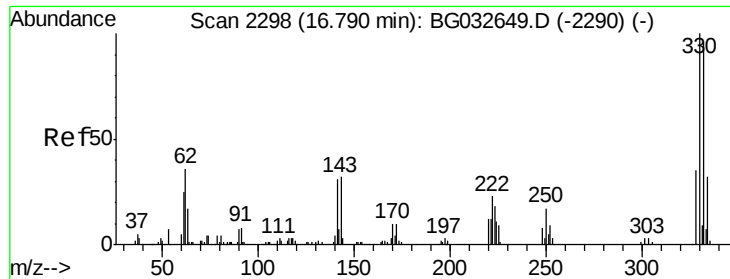
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.29 min Scan# 2043
Delta R.T. -0.02 min
Lab File: BG032683.D
Acq: 14 Feb 2018 16:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.8	78.8	118.2
160	45.2	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: 181.90 ng

RT: 16.77 min Scan# 2295

Delta R.T. -0.02 min

Lab File: BG032683.D

Acq: 14 Feb 2018 16:22

Instrument :

BNA_G

ClientSampleId :

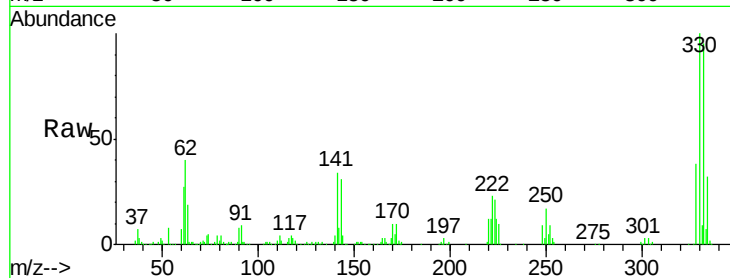
Tot Ion:330 Resp: 278055

Ion Ratio Lower Upper

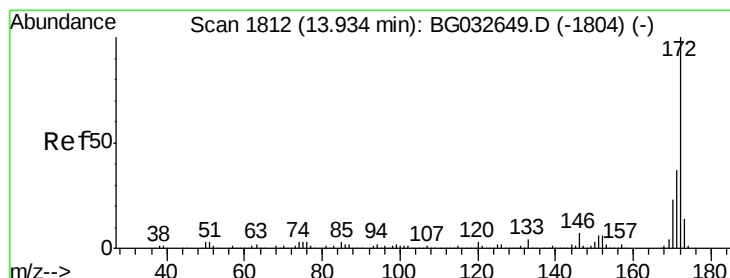
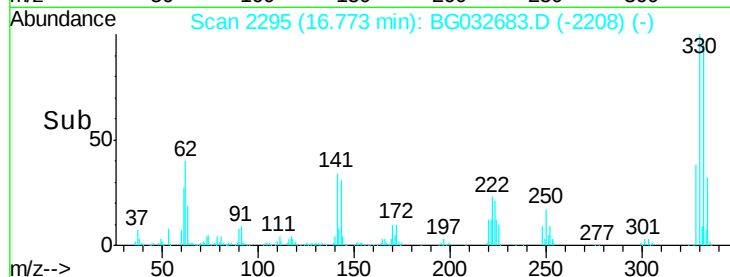
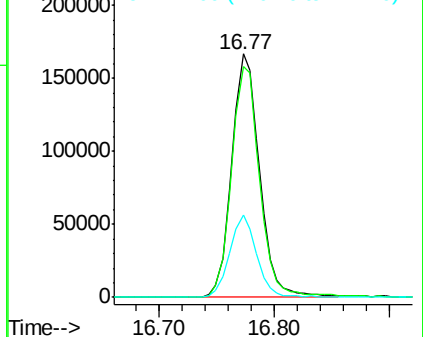
330 100

332 97.4 77.0 115.6

141 32.9 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: 80.24 ng

RT: 13.92 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BG032683.D

Acq: 14 Feb 2018 16:22

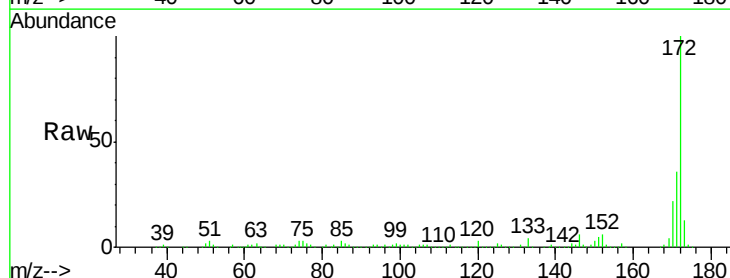
Tgt Ion:172 Resp: 637025

Ion Ratio Lower Upper

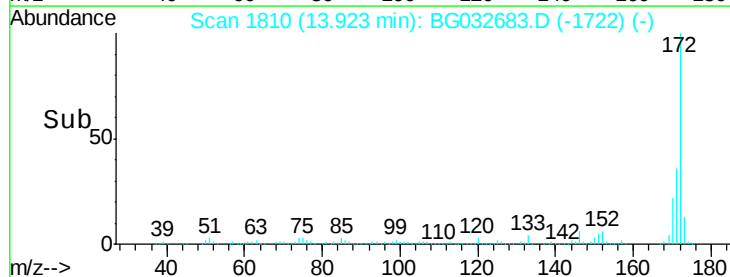
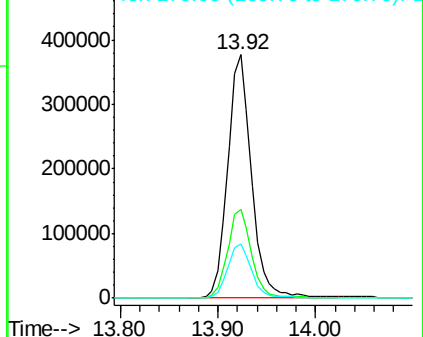
172 100

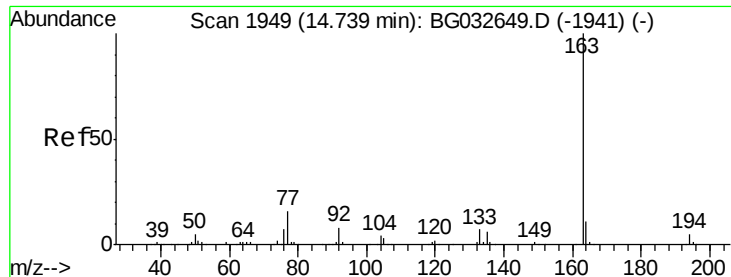
171 36.2 30.0 45.0

170 22.2 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

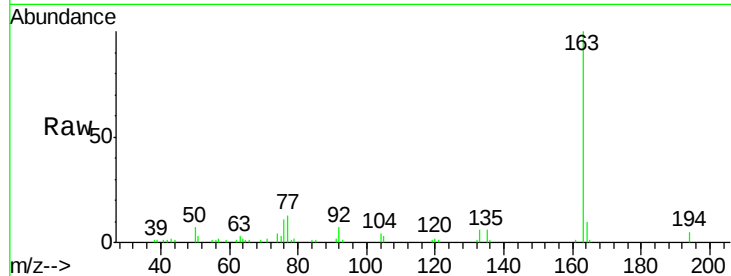




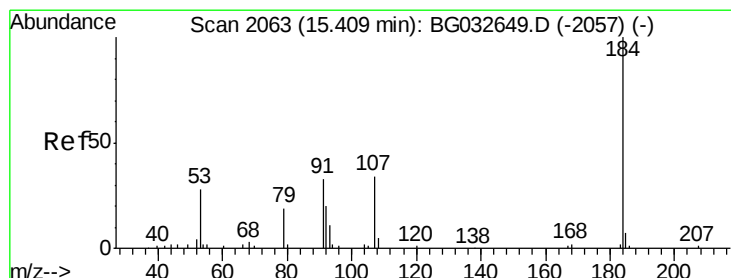
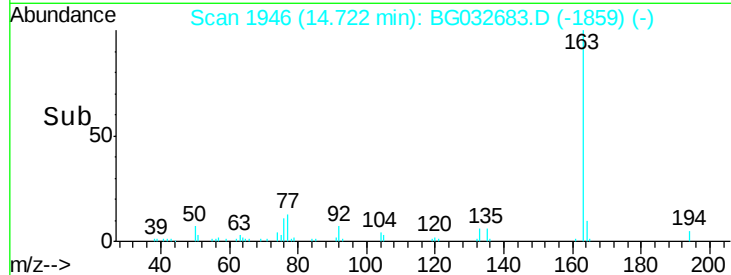
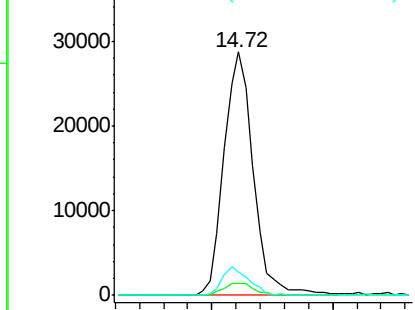
#49
Dimethylphthalate
Concen: 5.64 ng
RT: 14.72 min Scan# 1946
Delta R.T. -0.02 min
Lab File: BG032683.D
Acq: 14 Feb 2018 16:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 48422
Ion Ratio Lower Upper
163 100
194 4.8 3.4 5.2
164 9.6 8.2 12.4

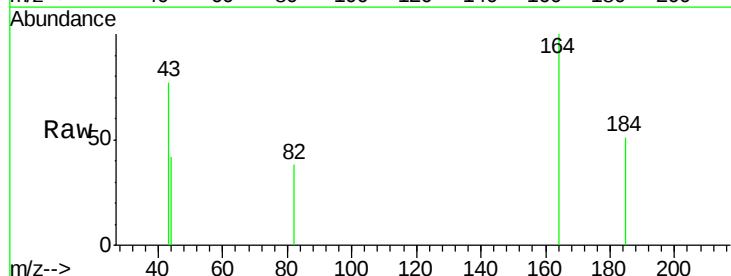


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

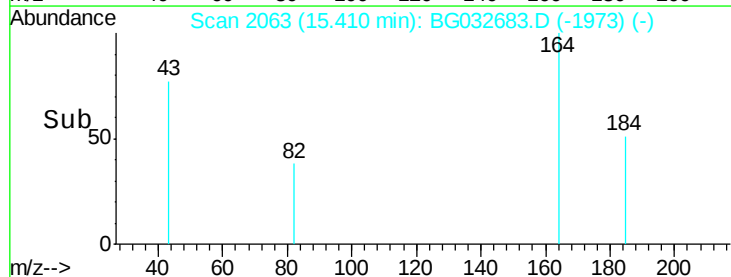
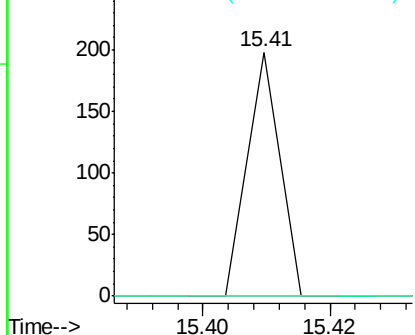


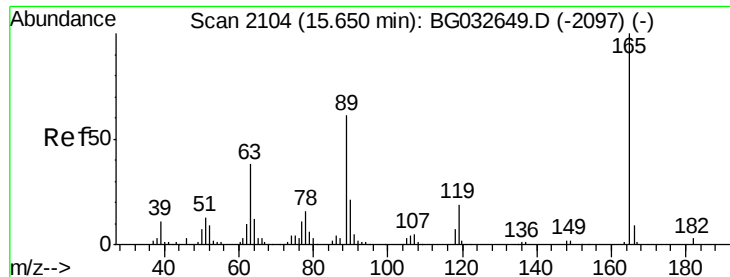
#53
2,4-Dinitrophenol
Concen: 11.52 ng
RT: 15.41 min Scan# 2063
Delta R.T. 0.00 min
Lab File: BG032683.D
Acq: 14 Feb 2018 16:22

Tgt Ion:184 Resp: 70
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 154.00 (153.70 to 154.70): E

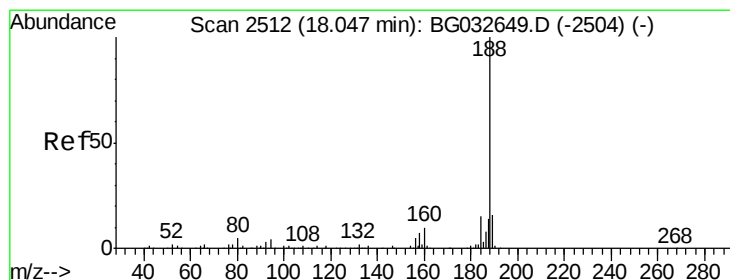
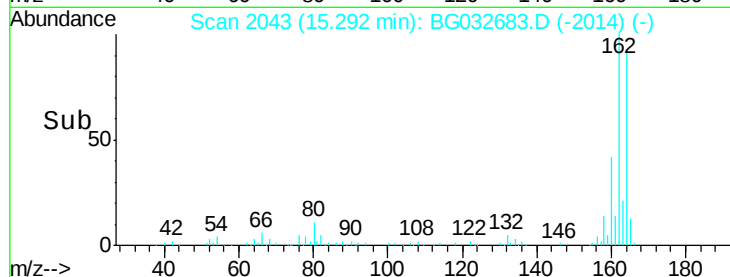
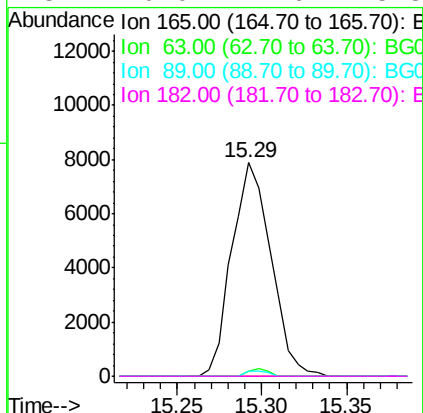
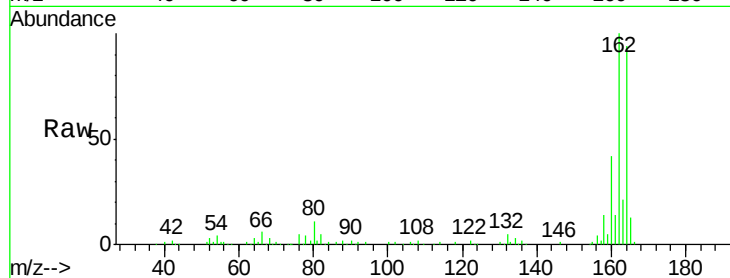




#56
2,4-Dinitrotoluene
Concen: 5.23 ng
RT: 15.29 min Scan# 2043
Delta R.T. -0.36 min
Lab File: BG032683.D
Acq: 14 Feb 2018 16:22

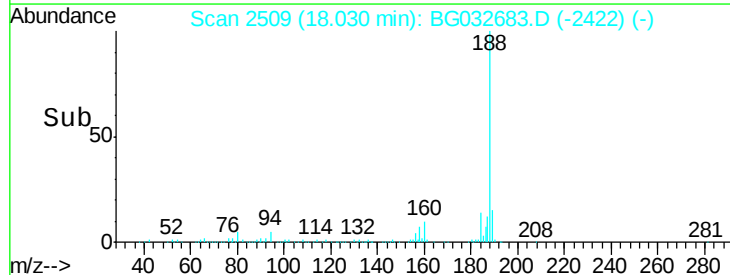
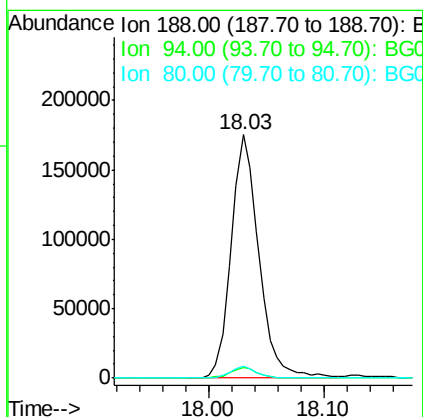
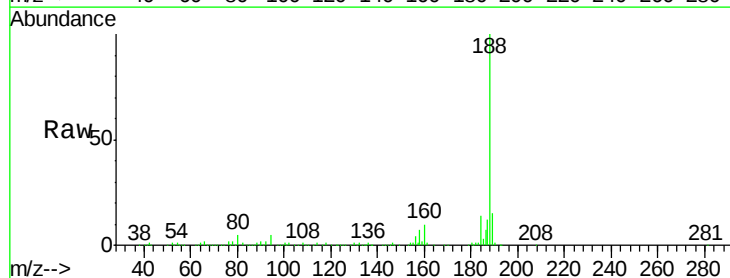
Instrument :
BNA_G
ClientSampleId :

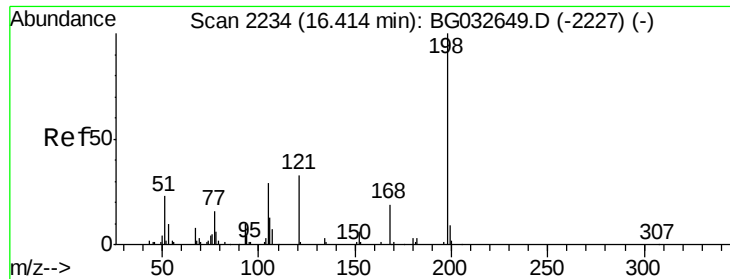
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	42.0	63.0#
89	2.5	66.9	100.3#
182	0.0	2.6	3.8#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.03 min Scan# 2509
Delta R.T. -0.02 min
Lab File: BG032683.D
Acq: 14 Feb 2018 16:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.6	6.9	10.3#
80	4.7	7.7	11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.36 ng

RT: 16.77 min Scan# 2294

Delta R.T. 0.35 min

Lab File: BG032683.D

Acq: 14 Feb 2018 16:22

Instrument :

BNA_G

ClientSampleId :

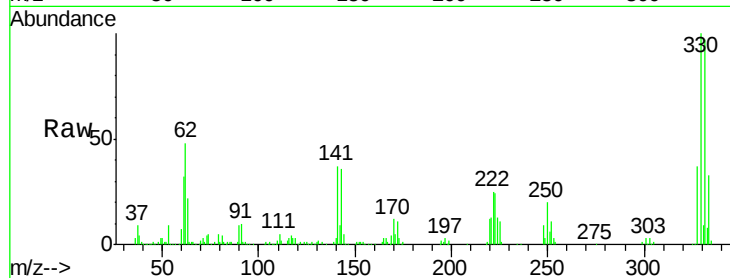
Tot Ion:198 Resp: 792

Ion Ratio Lower Upper

198 100

51 103.0 30.6 70.6#

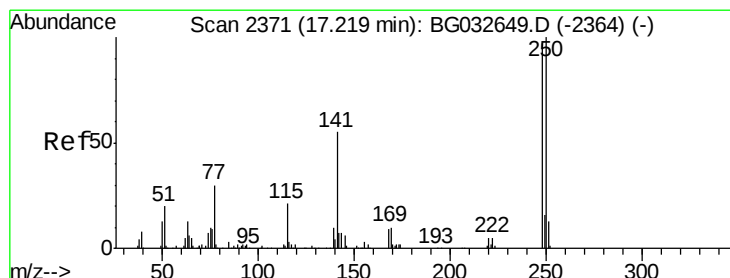
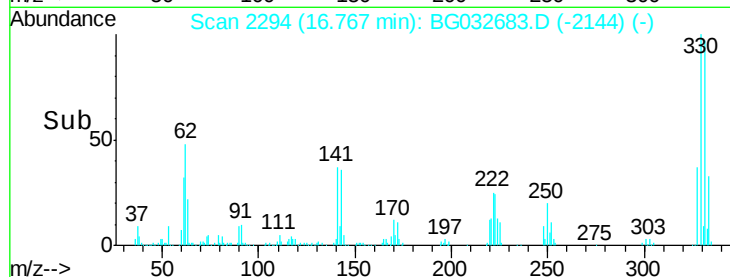
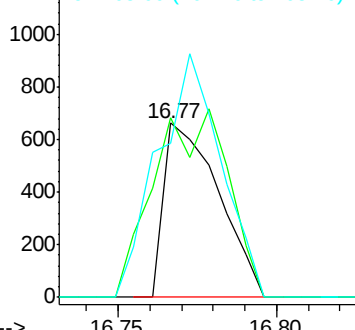
105 88.5 23.8 63.8#



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: 5.74 ng

RT: 16.77 min Scan# 2295

Delta R.T. -0.45 min

Lab File: BG032683.D

Acq: 14 Feb 2018 16:22

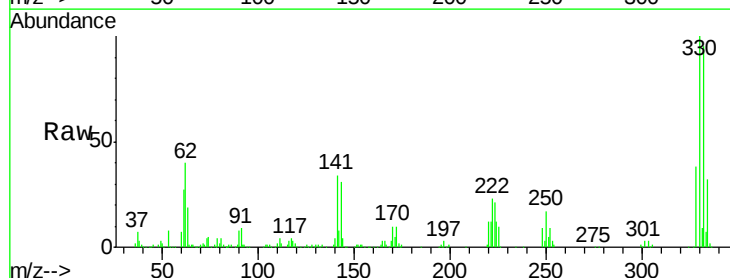
Tgt Ion:248 Resp: 23933

Ion Ratio Lower Upper

248 100

250 196.1 77.1 115.7#

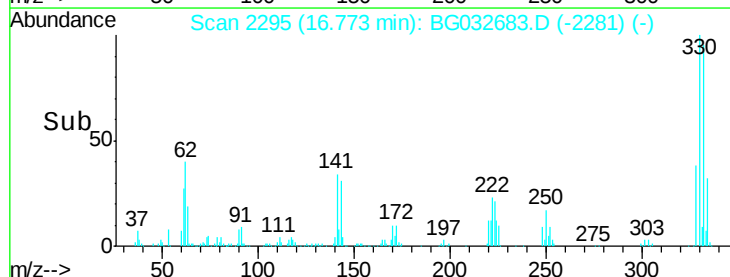
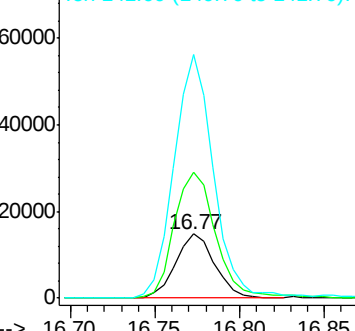
141 379.0 50.8 76.2#

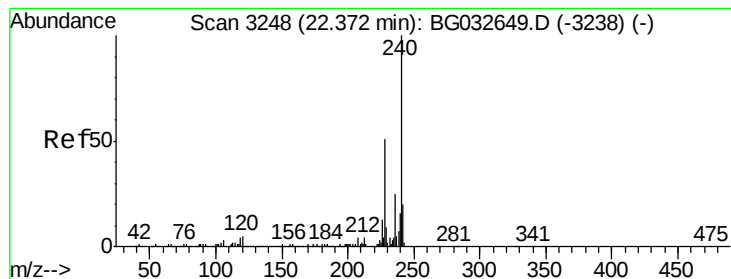


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.35 min Scan# 3245

Delta R.T. -0.02 min

Lab File: BG032683.D

Acq: 14 Feb 2018 16:22

Instrument :

BNA_G

ClientSampleId :

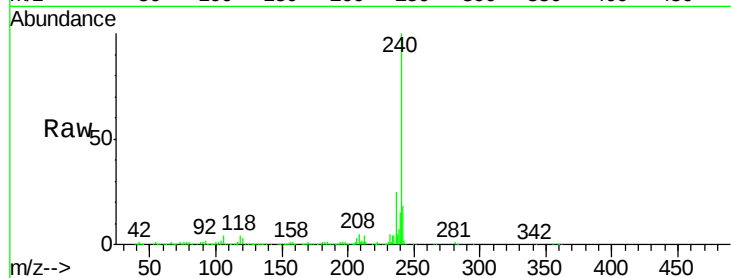
Tot Ion:240 Resp: 370300

Ion Ratio Lower Upper

240 100

120 3.5 6.8 10.2#

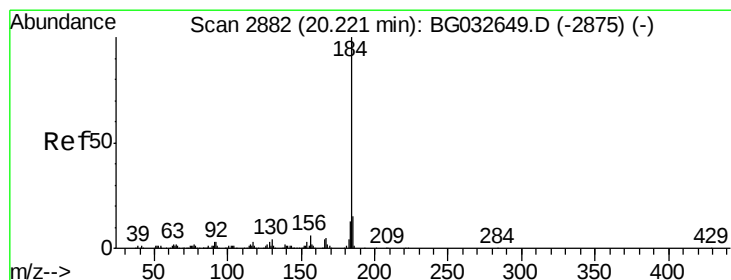
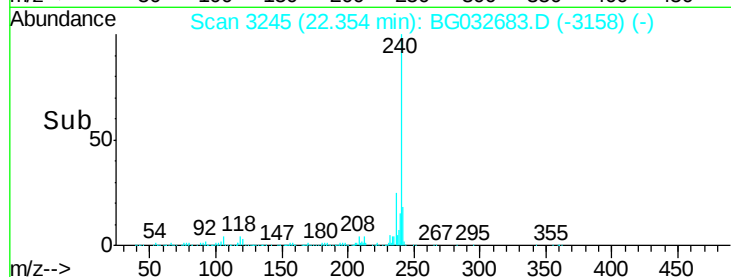
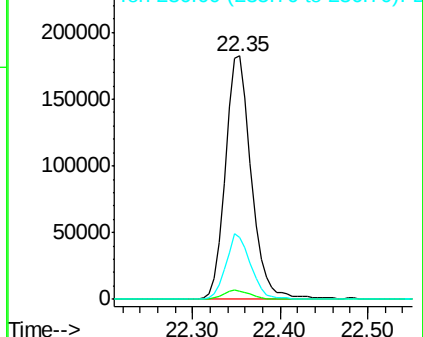
236 25.2 20.9 31.3



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: 2.67 ng

RT: 20.57 min Scan# 2942

Delta R.T. 0.35 min

Lab File: BG032683.D

Acq: 14 Feb 2018 16:22

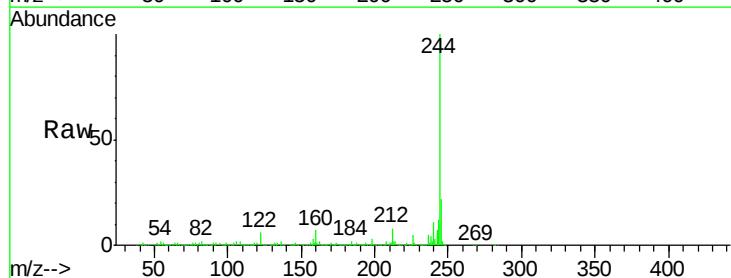
Tgt Ion:184 Resp: 23301

Ion Ratio Lower Upper

184 100

185 18.1 11.1 16.7#

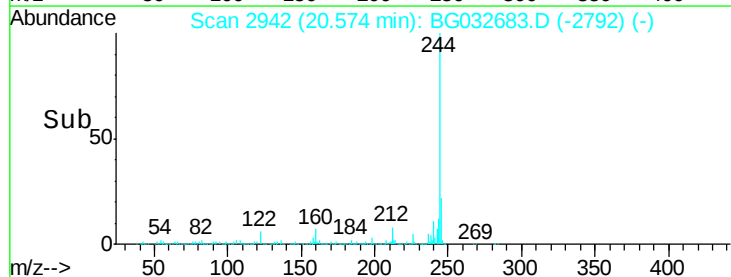
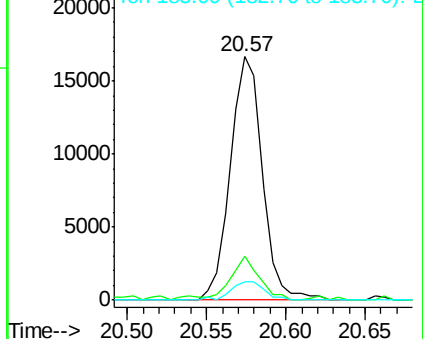
183 7.4 10.6 16.0#

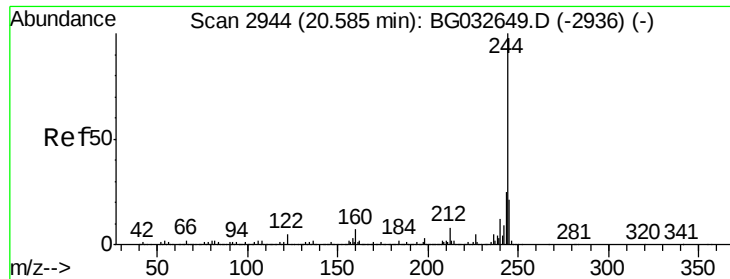


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 90.20 ng

RT: 20.57 min Scan# 2942

Delta R.T. -0.01 min

Lab File: BG032683.D

Acq: 14 Feb 2018 16:22

Instrument :

BNA_G

ClientSampleId :

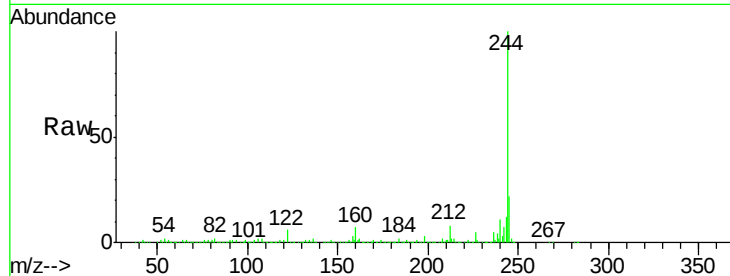
Tot Ion:244 Resp: 1465434

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

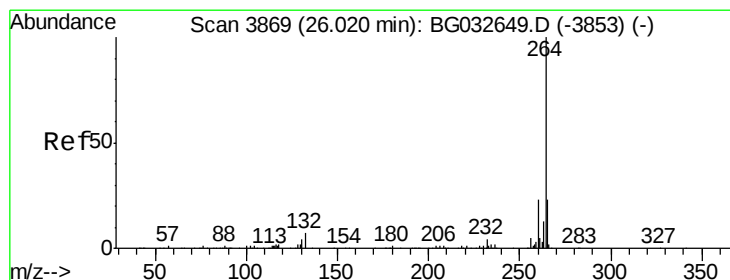
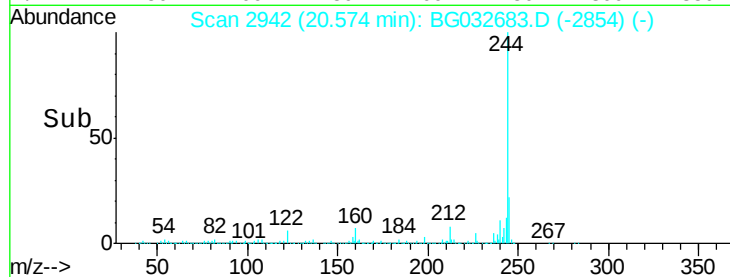
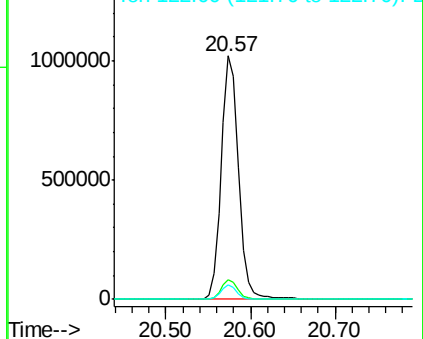
122 6.0 7.0 10.4#



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: 20.00 ng

RT: 25.99 min Scan# 3863

Delta R.T. -0.03 min

Lab File: BG032683.D

Acq: 14 Feb 2018 16:22

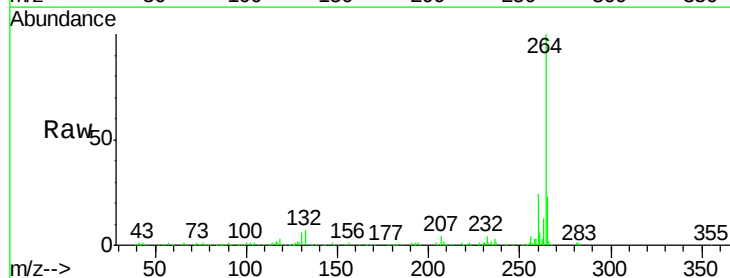
Tgt Ion:264 Resp: 382086

Ion Ratio Lower Upper

264 100

260 23.6 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

