

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
 Data File : BG033171.D
 Acq On : 15 Mar 2018 8:16
 Operator : SJ/JU
 Sample : J1908-08
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 15 10:44:29 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

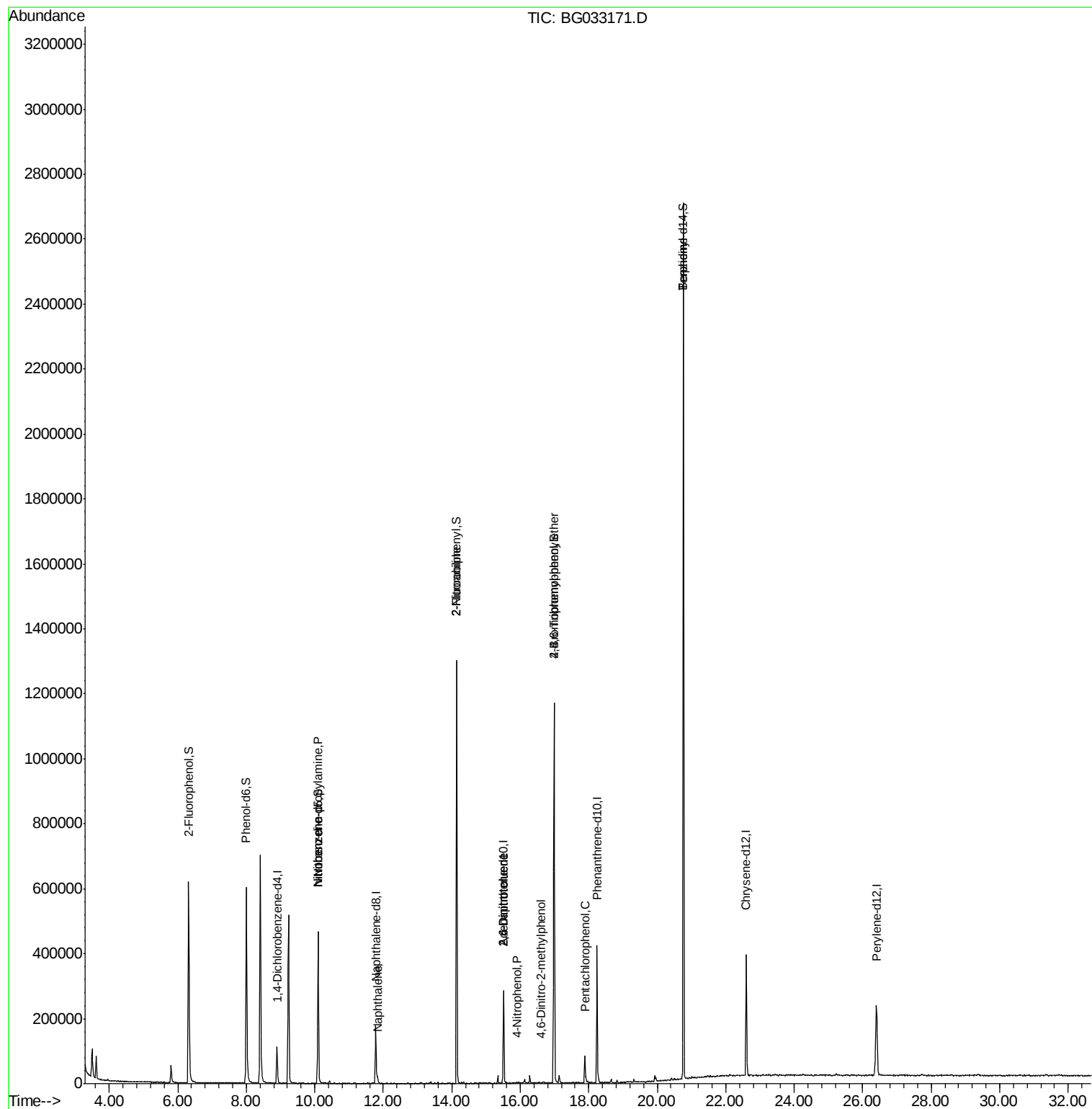
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.89	152	36838	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	164808	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	101130	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	254196	20.00	ng	0.00
75) Chrysene-d12	22.60	240	245568	20.00	ng	0.00
86) Perylene-d12	26.40	264	260894	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	328194	142.53	ng	0.00
7) Phenol-d6	8.01	99	399987	124.63	ng	0.00
23) Nitrobenzene-d5	10.10	82	300664	121.75	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	241862	227.45	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	687225	98.01	ng	0.00
78) Terphenyl-d14	20.76	244	1278754	116.99	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.10	70	40979	18.086	ng	# 82
24) Nitrobenzene	10.10	77	789	6.641	ng	# 42
31) Naphthalene	11.84	128	18381	2.134	ng	# 97
47) 2-Nitroaniline	14.14	65	1298	10.456	ng	# 1
50) 2,6-Dinitrotoluene	15.51	165	13237	16.485	ng	# 18
55) 4-Nitrophenol	15.91	139	991	7.723	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	13237	14.684	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.60	198	65	5.056	ng	# 29
66) 4-Bromophenyl-phenylether	16.99	248	15676	5.832	ng	# 1
69) Pentachlorophenol	17.89	266	17688	9.668	ng	# 96
76) Benzidine	20.76	184	21756	2.599	ng	# 92

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

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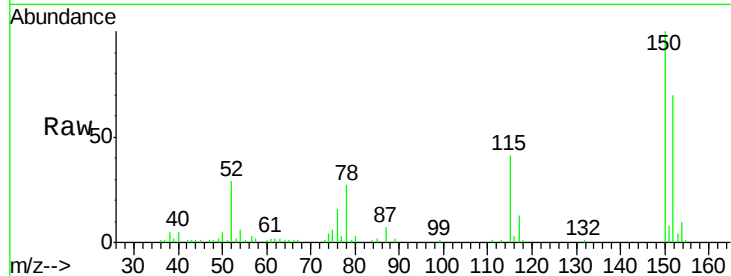


#1

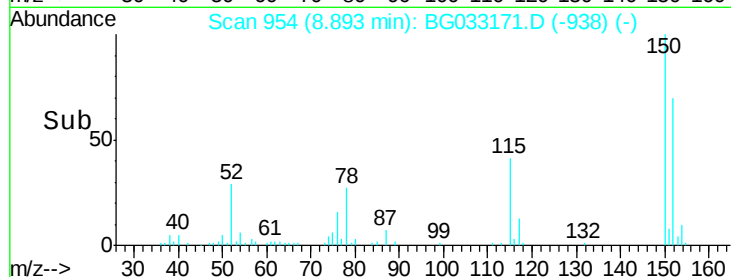
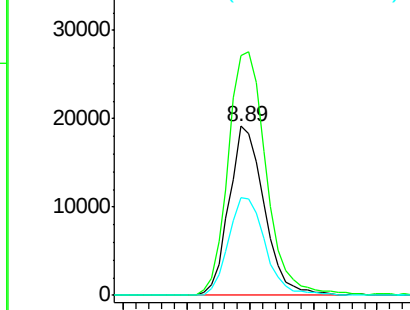
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033171.D
Acq: 15 Mar 2018 8:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 36838
Ion Ratio Lower Upper
152 100
150 141.9 126.6 189.8
115 57.5 53.0 79.4



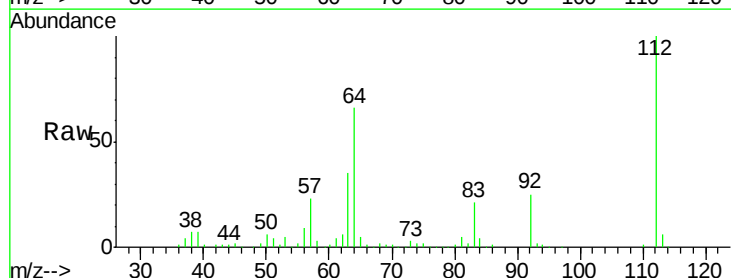
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



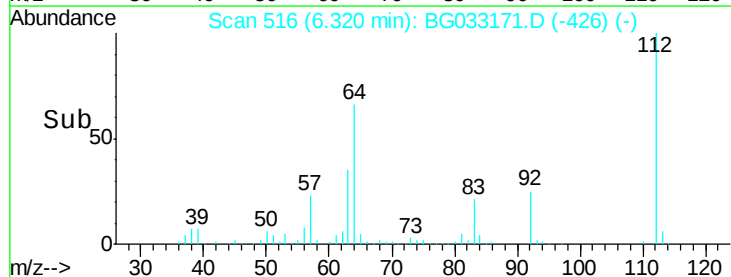
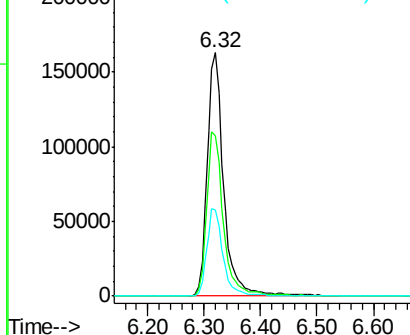
#5

2-Fluorophenol
Concen: 142.533 ng
RT: 6.32 min Scan# 516
Delta R.T. 0.00 min
Lab File: BG033171.D
Acq: 15 Mar 2018 8:16

Tgt Ion:112 Resp: 328194
Ion Ratio Lower Upper
112 100
64 66.0 56.3 84.5
63 35.1 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: 124.627 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033171.D

Acq: 15 Mar 2018 8:16

Instrument :

BNA_G

ClientSampled :

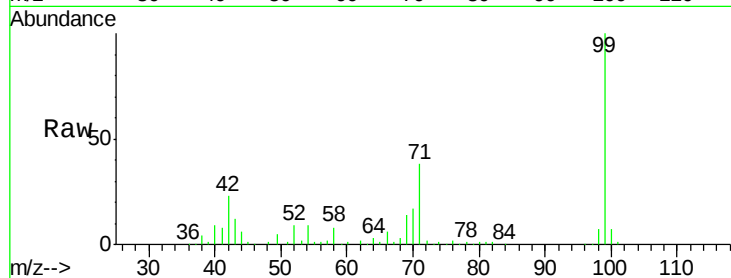
Tot Ion: 99 Resp: 399987

Ion Ratio Lower Upper

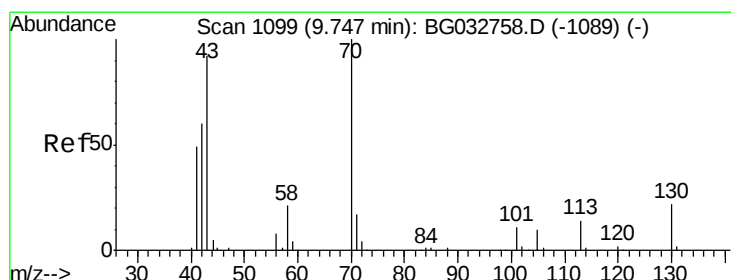
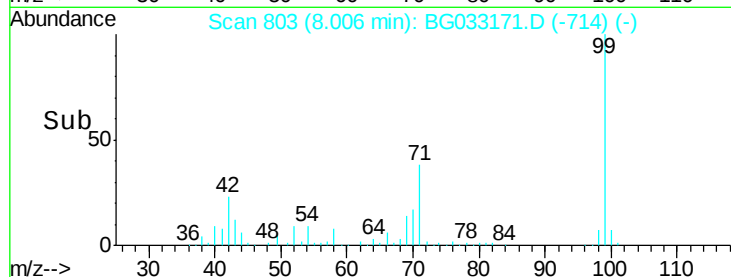
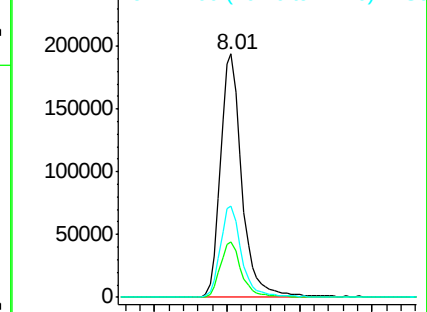
99 100

42 22.6 14.1 21.1#

71 37.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 18.086 ng

RT: 10.10 min Scan# 1159

Delta R.T. 0.38 min

Lab File: BG033171.D

Acq: 15 Mar 2018 8:16

Tgt Ion: 70 Resp: 40979

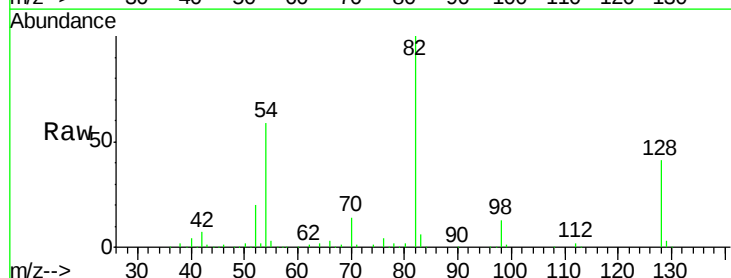
Ion Ratio Lower Upper

70 100

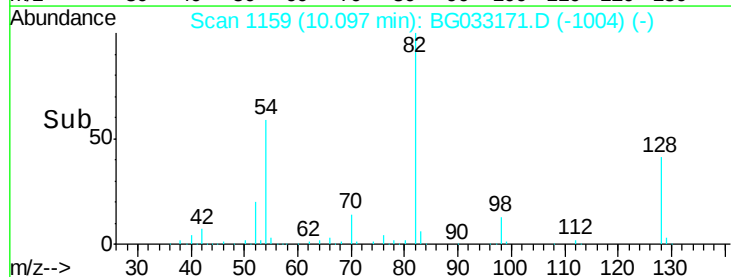
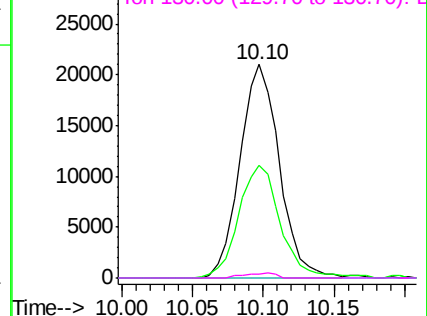
42 52.5 49.1 73.7

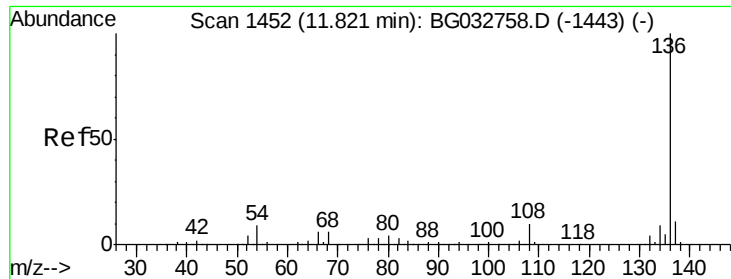
101 0.0 8.5 12.7#

130 2.1 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

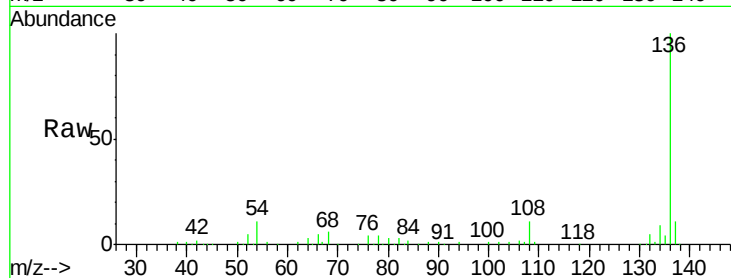




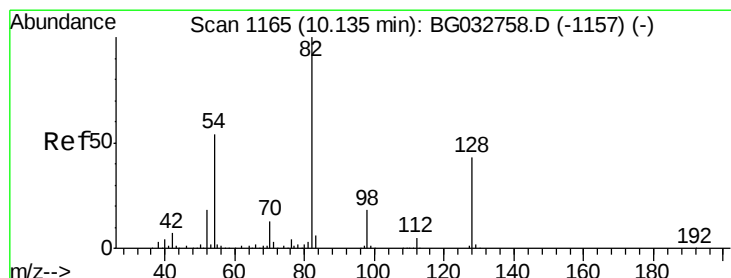
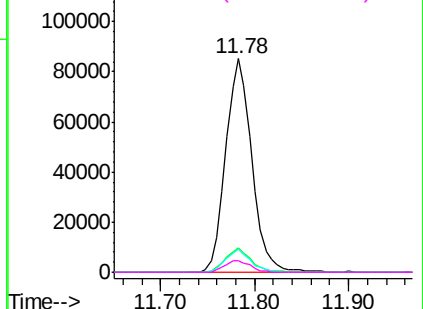
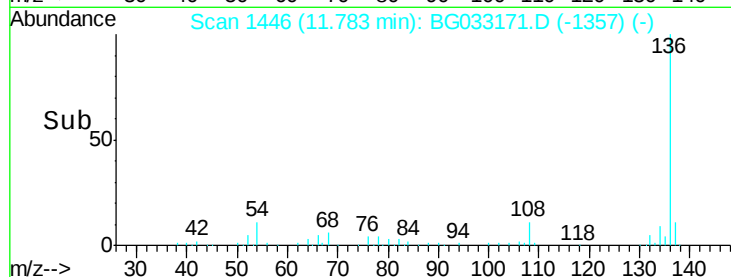
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BG033171.D
Acq: 15 Mar 2018 8:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp: 164808
Ion Ratio	Lower Upper
136 100	
137 11.2	9.2 13.8
54 10.6	10.3 15.5
68 5.6	4.5 6.7

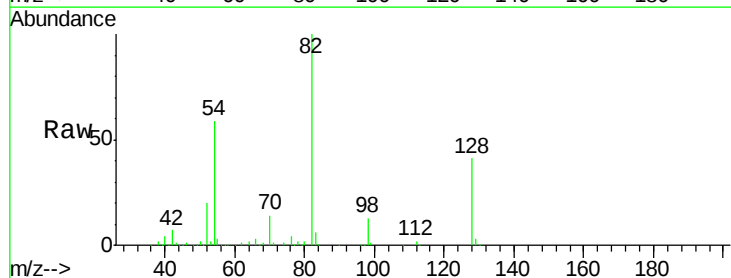


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

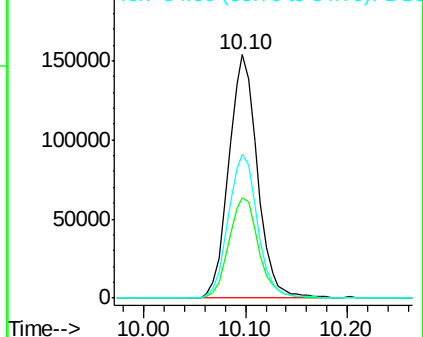
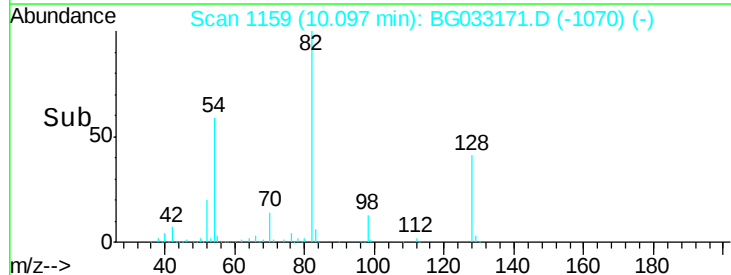


#23
Nitrobenzene-d5
Concen: 121.748 ng
RT: 10.10 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BG033171.D
Acq: 15 Mar 2018 8:16

Tgt Ion: 82	Resp: 300664
Ion Ratio	Lower Upper
82 100	
128 41.4	29.7 44.5
54 59.3	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





#24

Nitrobenzene

Concen: 6.641 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.05 min

Lab File: BG033171.D

Acq: 15 Mar 2018 8:16

Instrument :

BNA_G

ClientSampleId :

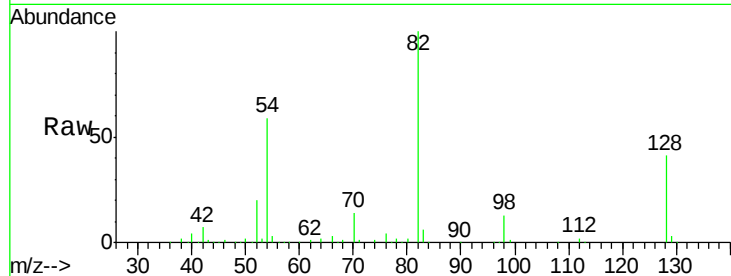
Tot Ion: 77 Resp: 789

Ion Ratio Lower Upper

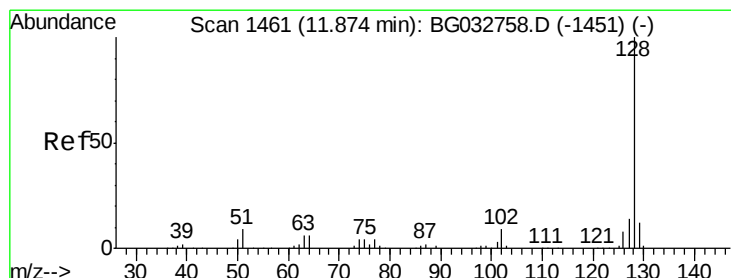
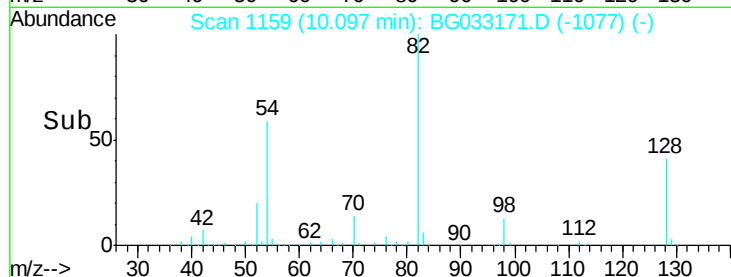
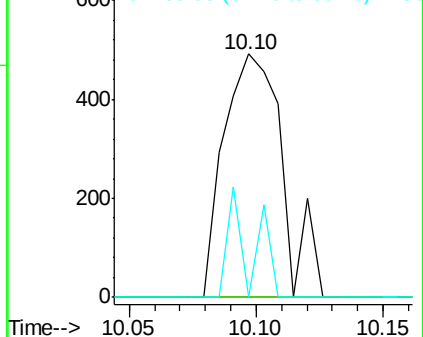
77 100

123 0.0 33.0 49.6#

65 0.0 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#31

Naphthalene

Concen: 2.134 ng

RT: 11.84 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BG033171.D

Acq: 15 Mar 2018 8:16

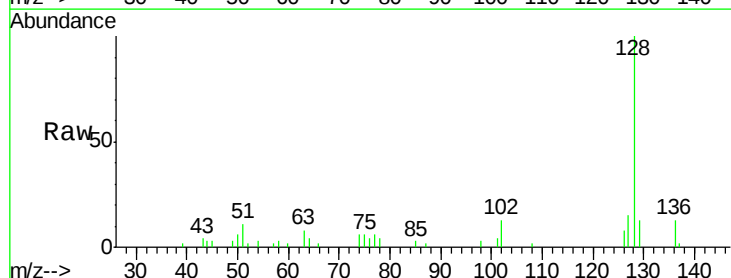
Tgt Ion: 128 Resp: 18381

Ion Ratio Lower Upper

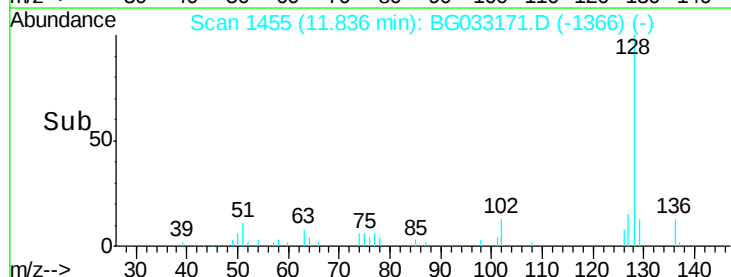
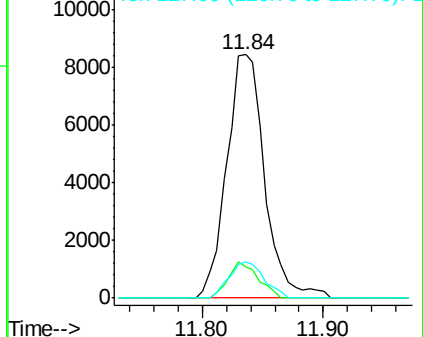
128 100

129 12.6 8.6 12.8

127 15.0 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG033171.D

Acq: 15 Mar 2018 8:16

Instrument :

BNA_G

ClientSampleId :

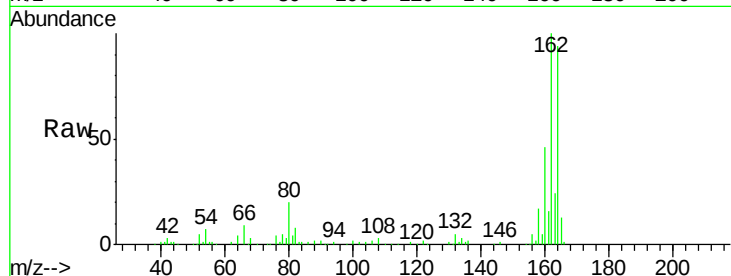
Tot Ion:164 Resp: 101130

Ion Ratio Lower Upper

164 100

162 106.8 78.8 118.2

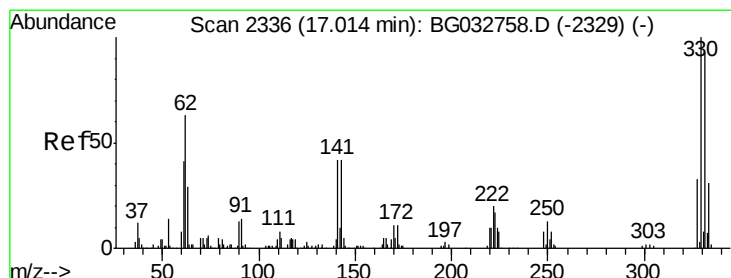
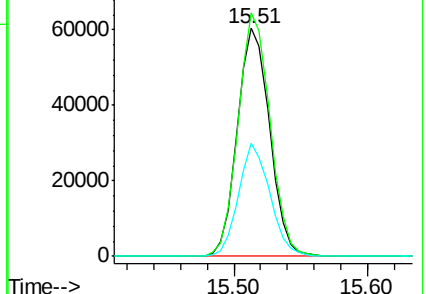
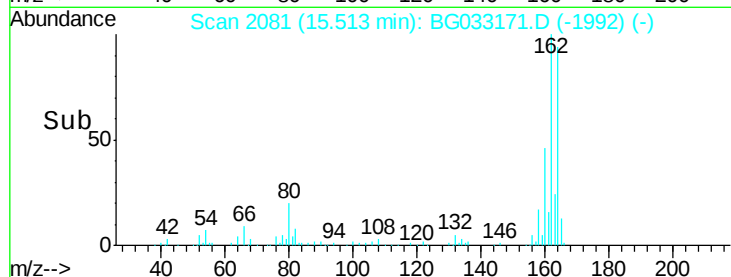
160 49.5 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 227.453 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.00 min

Lab File: BG033171.D

Acq: 15 Mar 2018 8:16

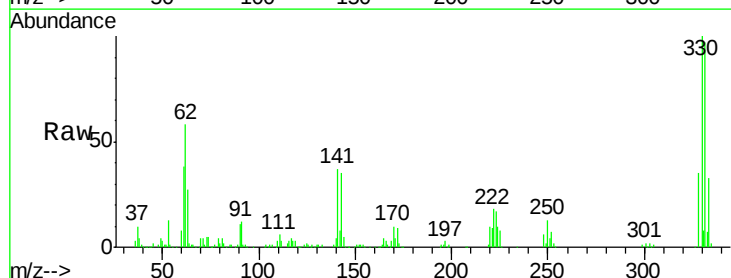
Tgt Ion:330 Resp: 241862

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

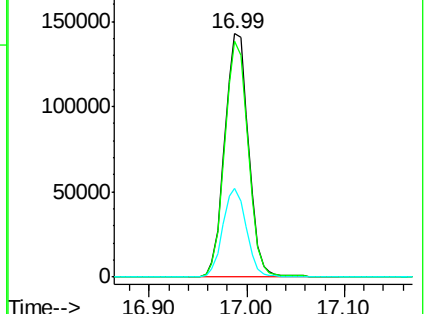
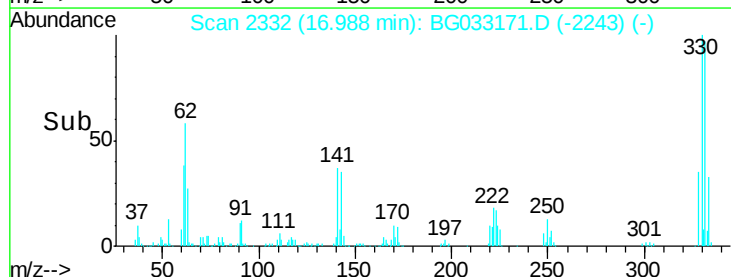
141 36.3 25.2 37.8

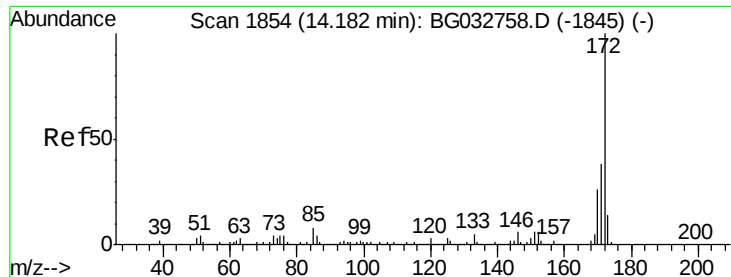


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

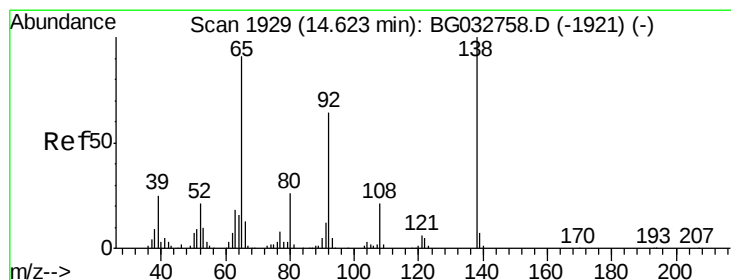
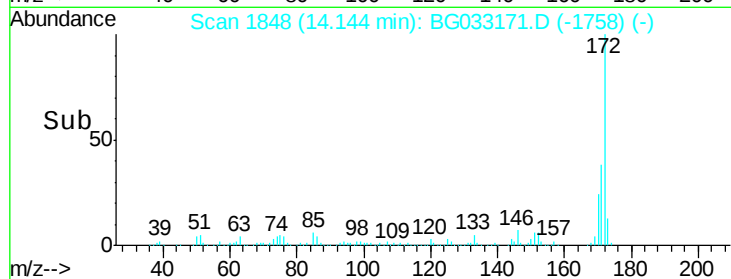
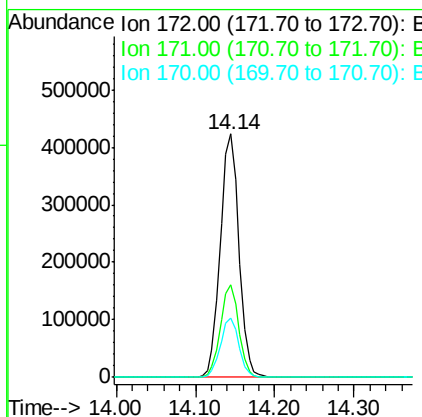
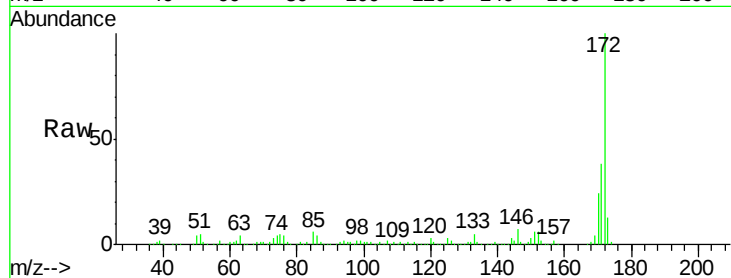




#44
 2-Fluorobiphenyl
 Concen: 98.008 ng
 RT: 14.14 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BG033171.D
 Acq: 15 Mar 2018 8:16

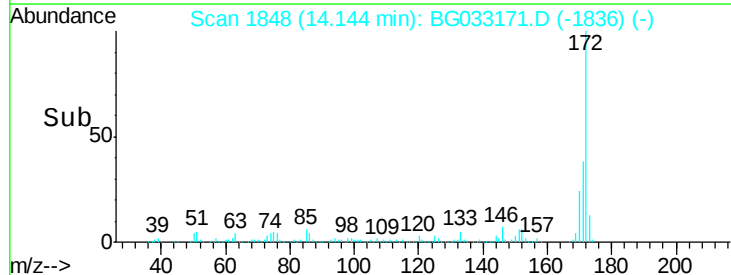
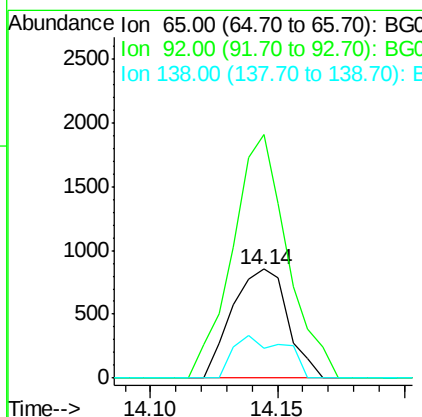
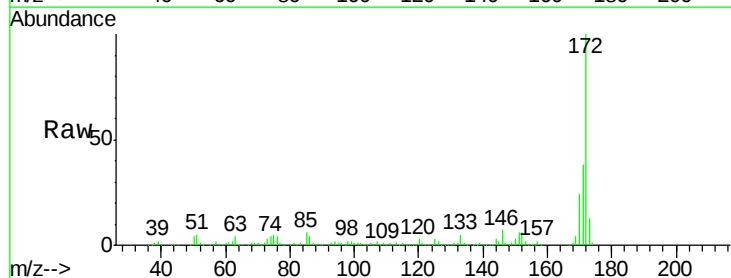
Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.0	45.0
170	24.3	19.5	29.3



#47
 2-Nitroaniline
 Concen: 10.456 ng
 RT: 14.14 min Scan# 1848
 Delta R.T. -0.46 min
 Lab File: BG033171.D
 Acq: 15 Mar 2018 8:16

Tgt Ion	Ratio	Lower	Upper
65	100		
92	223.6	54.6	82.0#
138	28.0	72.9	109.3#

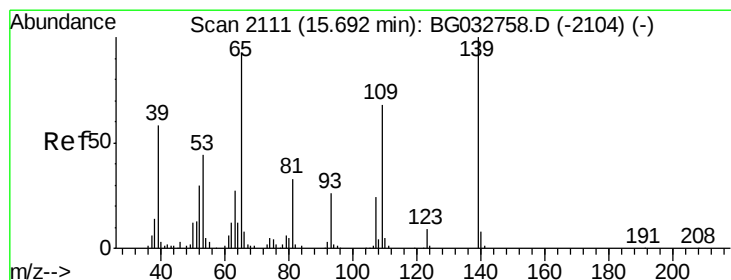
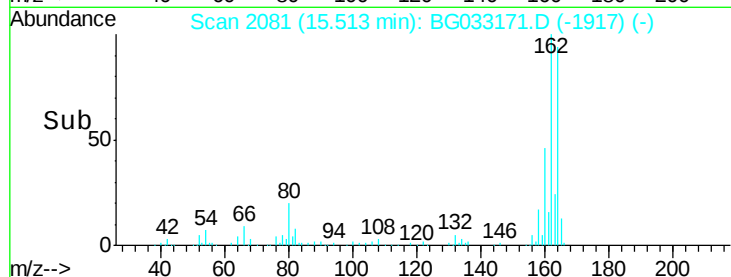
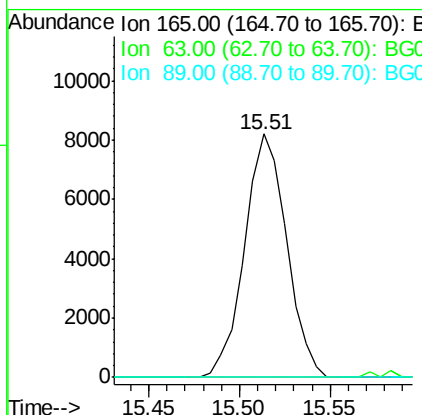
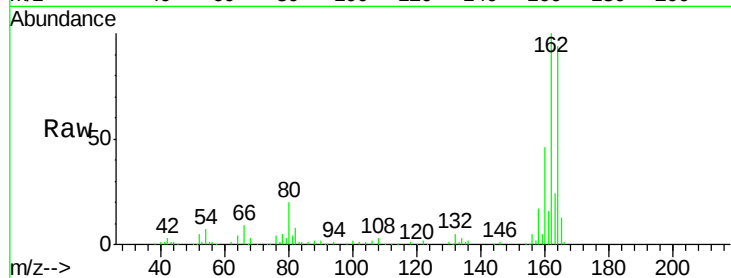




#50
 2,6-Dinitrotoluene
 Concen: 16.485 ng
 RT: 15.51 min Scan# 2081
 Delta R.T. 0.44 min
 Lab File: BG033171.D
 Acq: 15 Mar 2018 8:16

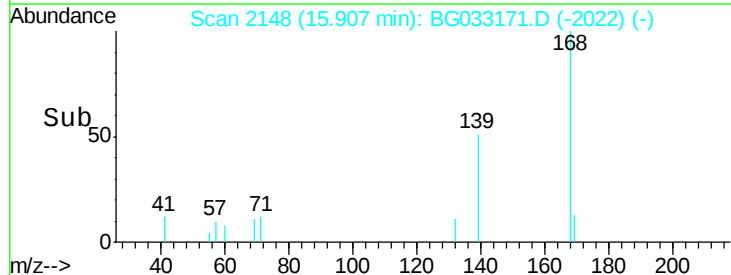
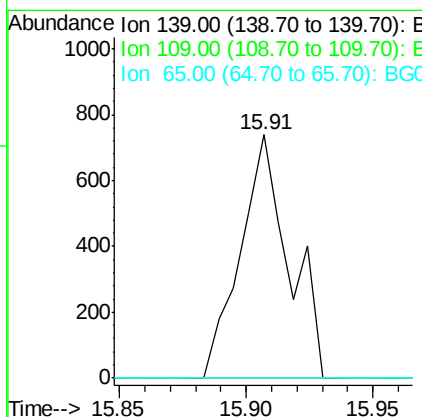
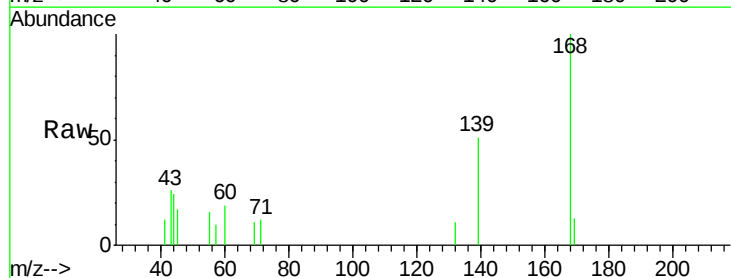
Instrument :
 BNA_G
 ClientSampleId :

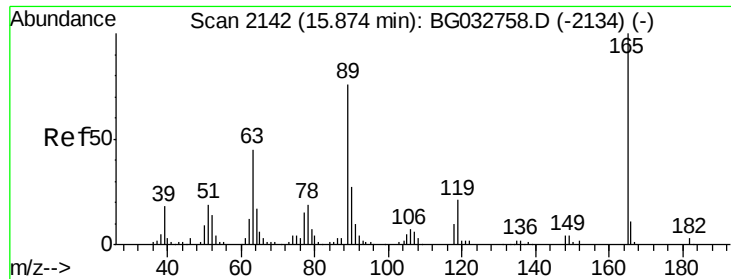
Tot Ion:165 Resp: 13237
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#



#55
 4-Nitrophenol
 Concen: 7.723 ng
 RT: 15.91 min Scan# 2148
 Delta R.T. 0.21 min
 Lab File: BG033171.D
 Acq: 15 Mar 2018 8:16

Tgt Ion:139 Resp: 991
 Ion Ratio Lower Upper
 139 100
 109 0.0 62.2 102.2#
 65 0.0 97.2 137.2#

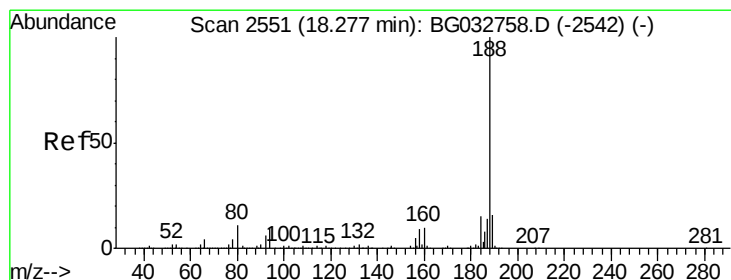
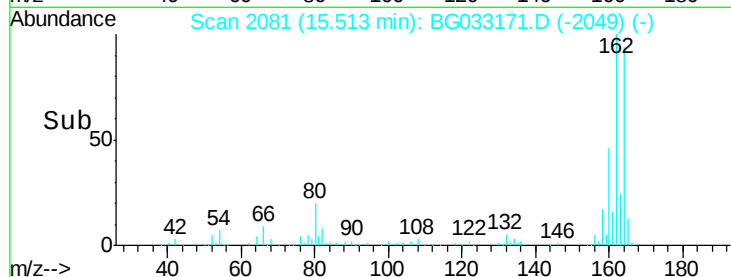
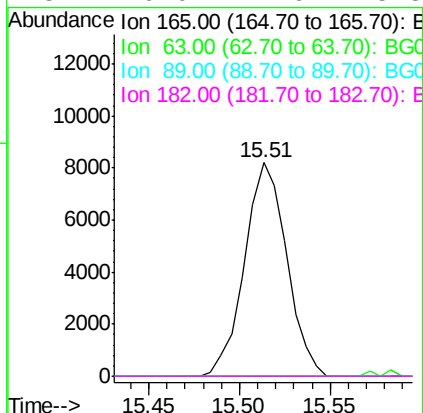
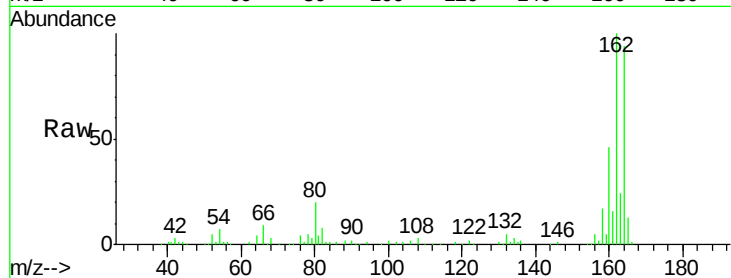




#56
2,4-Dinitrotoluene
Concen: 14.684 ng
RT: 15.51 min Scan# 2081
Delta R.T. -0.34 min
Lab File: BG033171.D
Acq: 15 Mar 2018 8:16

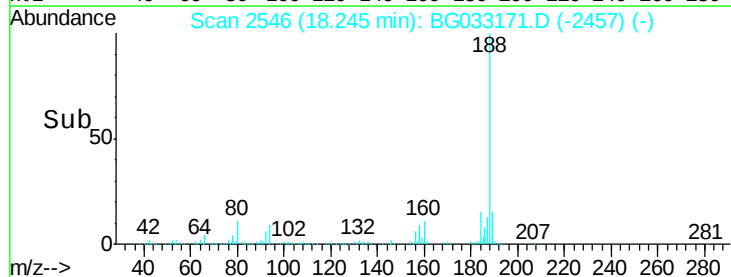
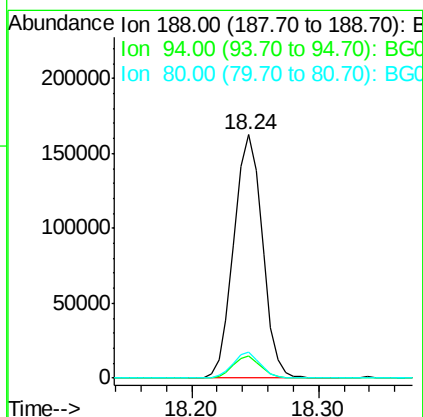
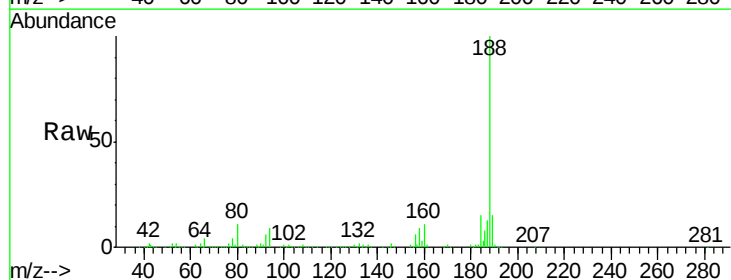
Instrument :
BNA_G
ClientSampleId :

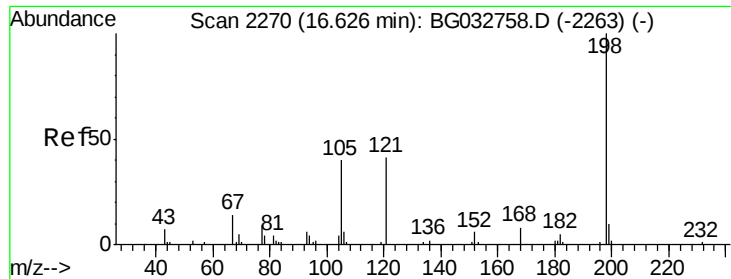
Tot Ion:165	Resp:	13237
Ion Ratio	Lower	Upper
165	100	
63	0.0	42.0 63.0#
89	0.0	66.9 100.3#
182	0.0	2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.24 min Scan# 2546
Delta R.T. -0.00 min
Lab File: BG033171.D
Acq: 15 Mar 2018 8:16

Tgt Ion:188	Resp:	254196
Ion Ratio	Lower	Upper
188	100	
94	8.9	6.9 10.3
80	10.9	7.7 11.5





#64

4,6-Dinitro-2-methylphenol

Concen: 5.056 ng

RT: 16.60 min Scan# 2266

Delta R.T. -0.01 min

Lab File: BG033171.D

Acq: 15 Mar 2018 8:16

Instrument :

BNA_G

ClientSampled :

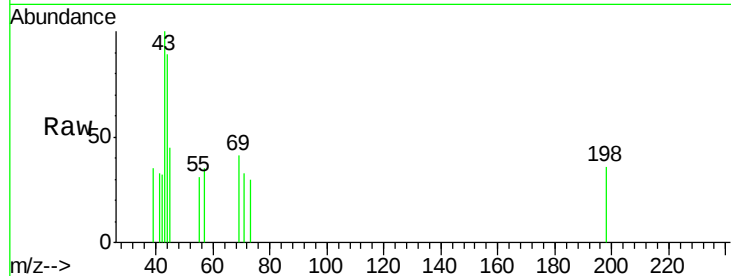
Tot Ion:198 Resp: 65

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

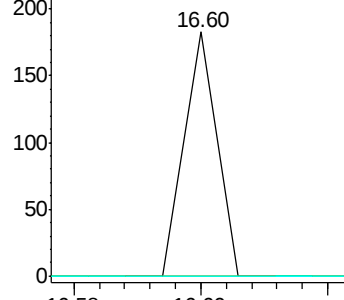
105 0.0 23.8 63.8#



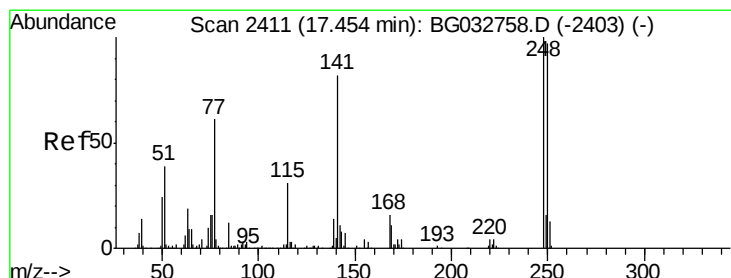
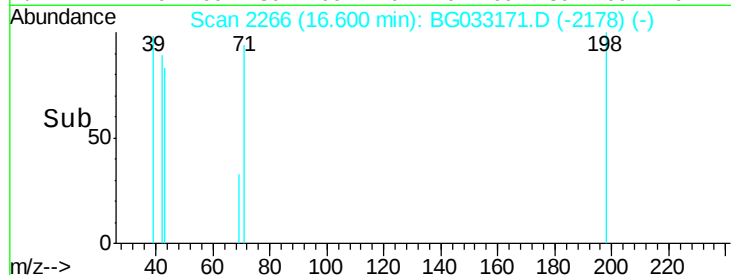
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



Time-->



#66

4-Bromophenyl-phenylether

Concen: 5.832 ng

RT: 16.99 min Scan# 2333

Delta R.T. -0.43 min

Lab File: BG033171.D

Acq: 15 Mar 2018 8:16

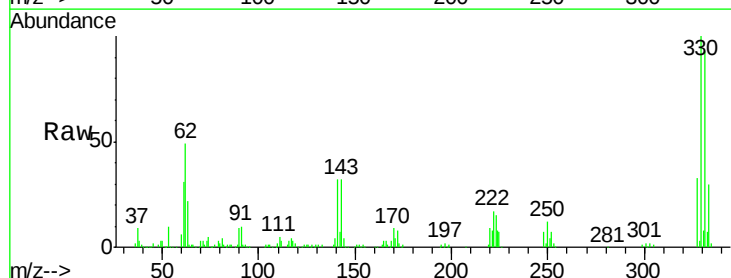
Tgt Ion:248 Resp: 15676

Ion Ratio Lower Upper

248 100

250 190.3 77.1 115.7#

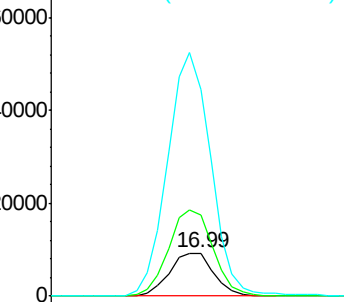
141 483.4 50.8 76.2#



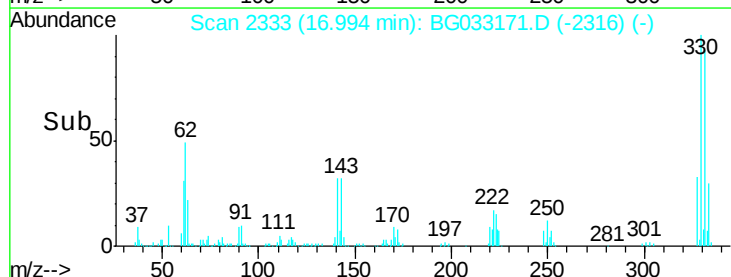
Abundance Ion 248.00 (247.70 to 248.70): E

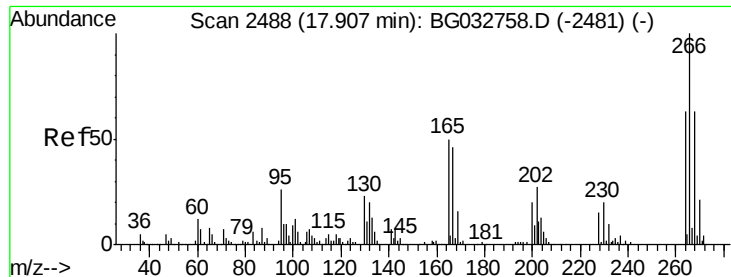
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#69

Pentachlorophenol

Concen: 9.668 ng

RT: 17.89 min Scan# 2485

Delta R.T. 0.00 min

Lab File: BG033171.D

Acq: 15 Mar 2018 8:16

Instrument :

BNA_G

ClientSampleId :

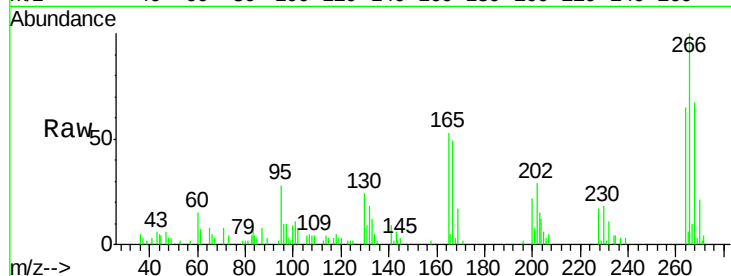
Tot Ion:266 Resp: 17688

Ion Ratio Lower Upper

266 100

268 66.7 51.1 76.7

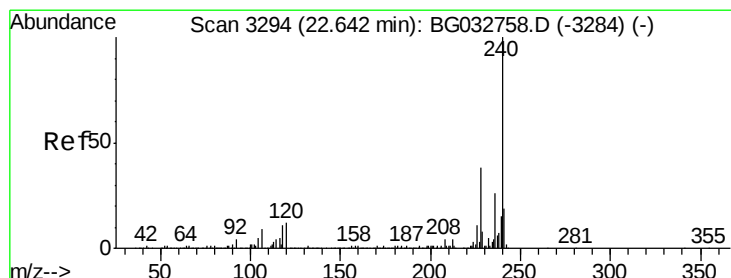
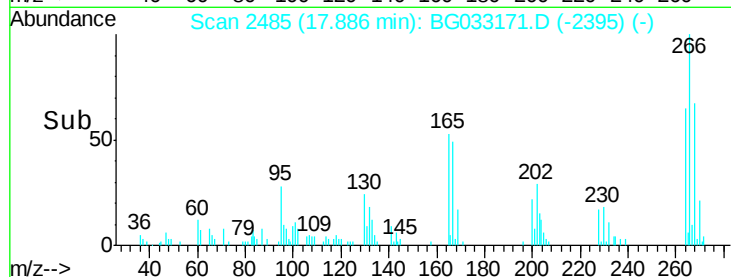
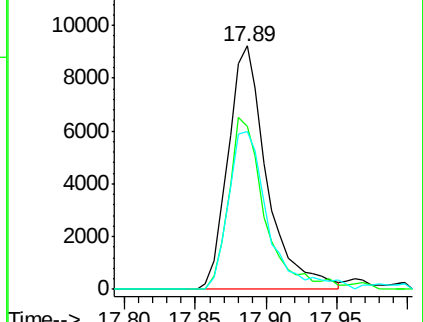
264 64.9 49.6 74.4



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.60 min Scan# 3288

Delta R.T. -0.00 min

Lab File: BG033171.D

Acq: 15 Mar 2018 8:16

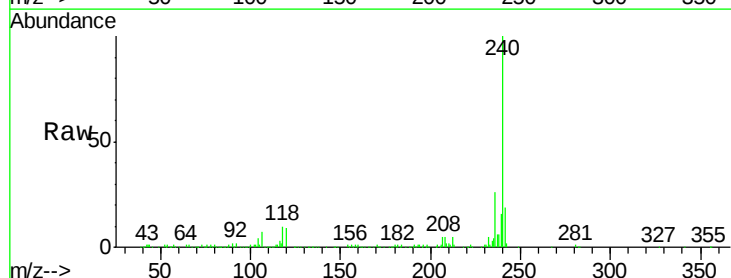
Tgt Ion:240 Resp: 245568

Ion Ratio Lower Upper

240 100

120 9.5 6.8 10.2

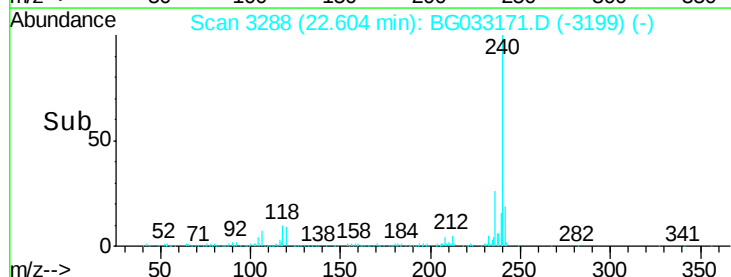
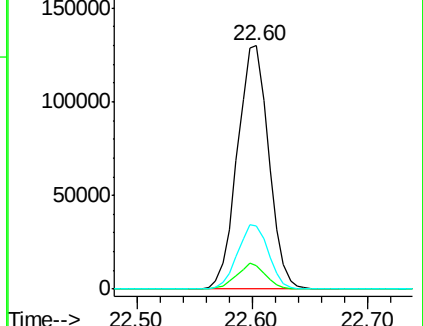
236 25.7 20.9 31.3

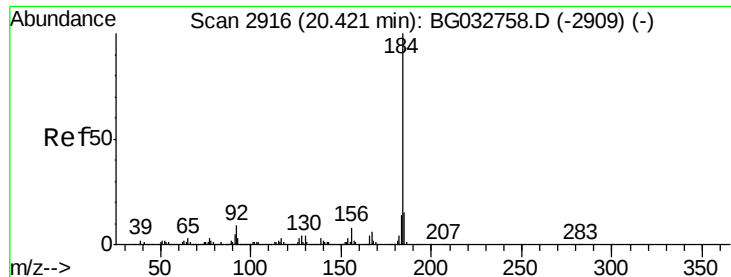


Abundance Ion 240.00 (239.70 to 240.70): E

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: 20.76 min Scan# 2975

Delta R.T. 0.37 min

Lab File: BG033171.D

Acq: 15 Mar 2018 8:16

Instrument :

BNA_G

ClientSampleId :

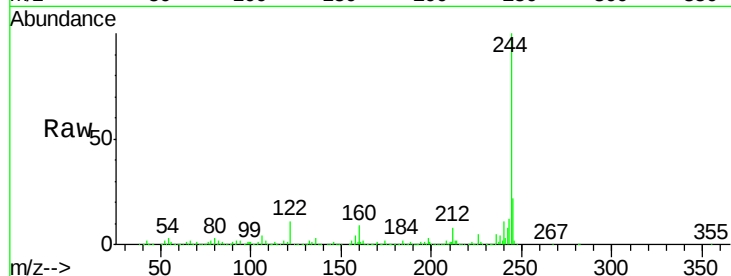
Tot Ion:184 Resp: 21756

Ion Ratio Lower Upper

184 100

185 15.8 11.1 16.7

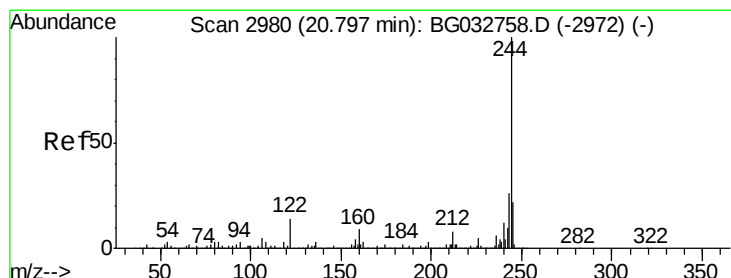
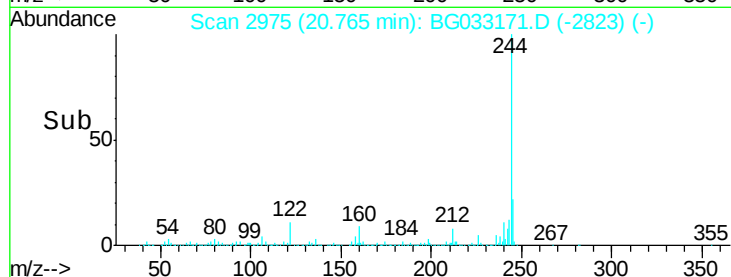
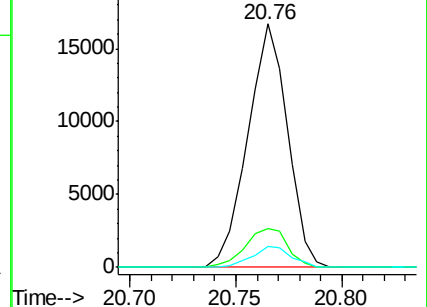
183 8.5 10.6 16.0#



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: 116.995 ng

RT: 20.76 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BG033171.D

Acq: 15 Mar 2018 8:16

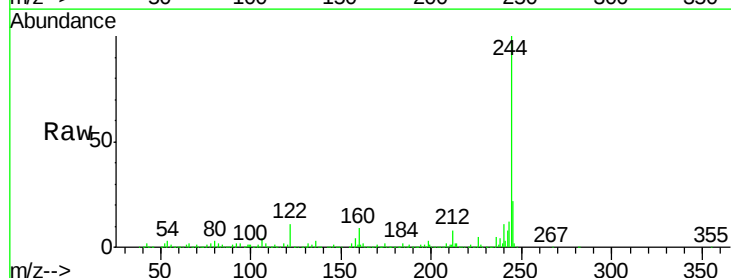
Tgt Ion:244 Resp: 1278754

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

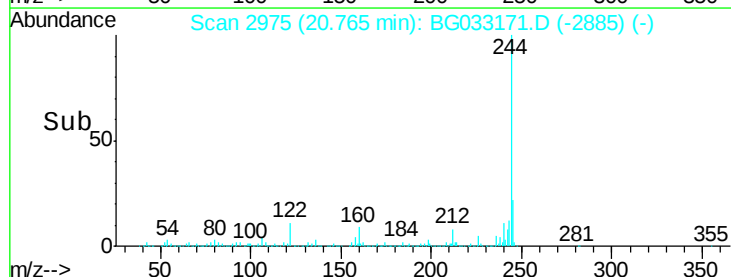
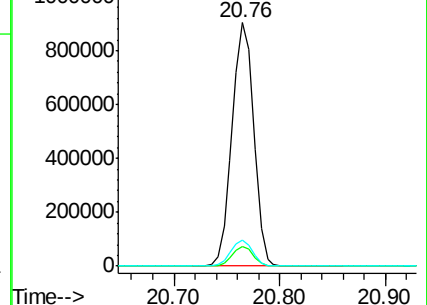
122 10.9 7.0 10.4#

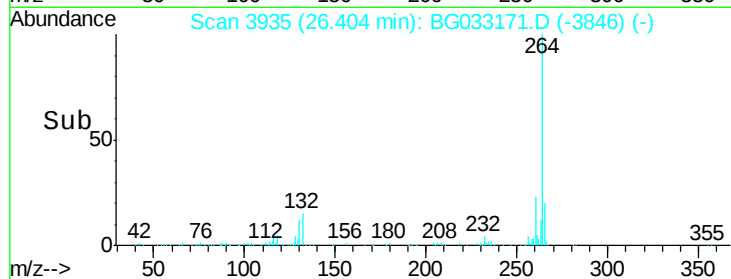
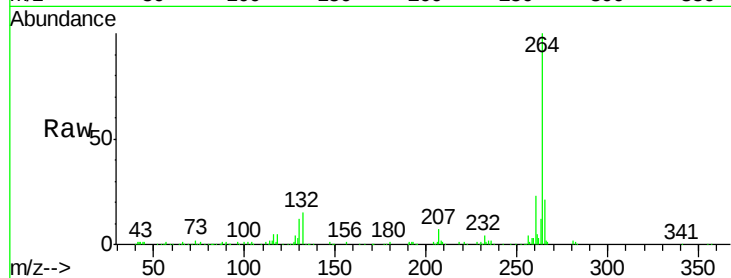
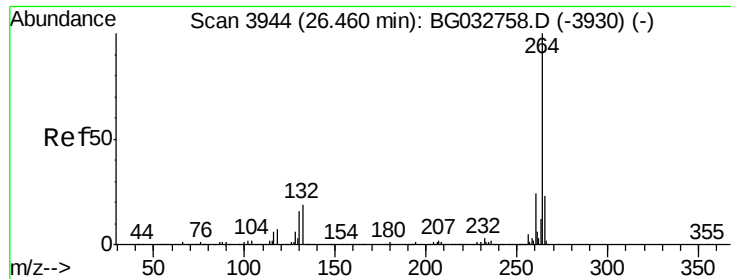


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 26.40 min Scan# 3935

Delta R.T. -0.00 min

Lab File: BG033171.D

Acq: 15 Mar 2018 8:16

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 264 Resp: 260894

Ion Ratio Lower Upper

264 100

260 23.0 17.4 26.0

265 20.8 17.7 26.5

