

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012718\
 Data File : BG032355.D
 Acq On : 27 Jan 2018 14:15
 Operator : SJ/JU
 Sample : J1322-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 27 23:18:52 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 24 14:02:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.73	152	41113	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	154728	20.00	ng	0.00
38) Acenaphthene-d10	15.35	164	107112	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	251141	20.00	ng	0.00
75) Chrysene-d12	22.42	240	330283	20.00	ng	0.00
86) Perylene-d12	26.09	264	365173	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	334766	148.92	ng	0.00
7) Phenol-d6	7.84	99	408598	144.32	ng	0.00
23) Nitrobenzene-d5	9.92	82	257917	112.77	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	297797	168.01	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	930720	107.74	ng	0.00
78) Terphenyl-d14	20.63	244	1574915	105.29	ng	0.00

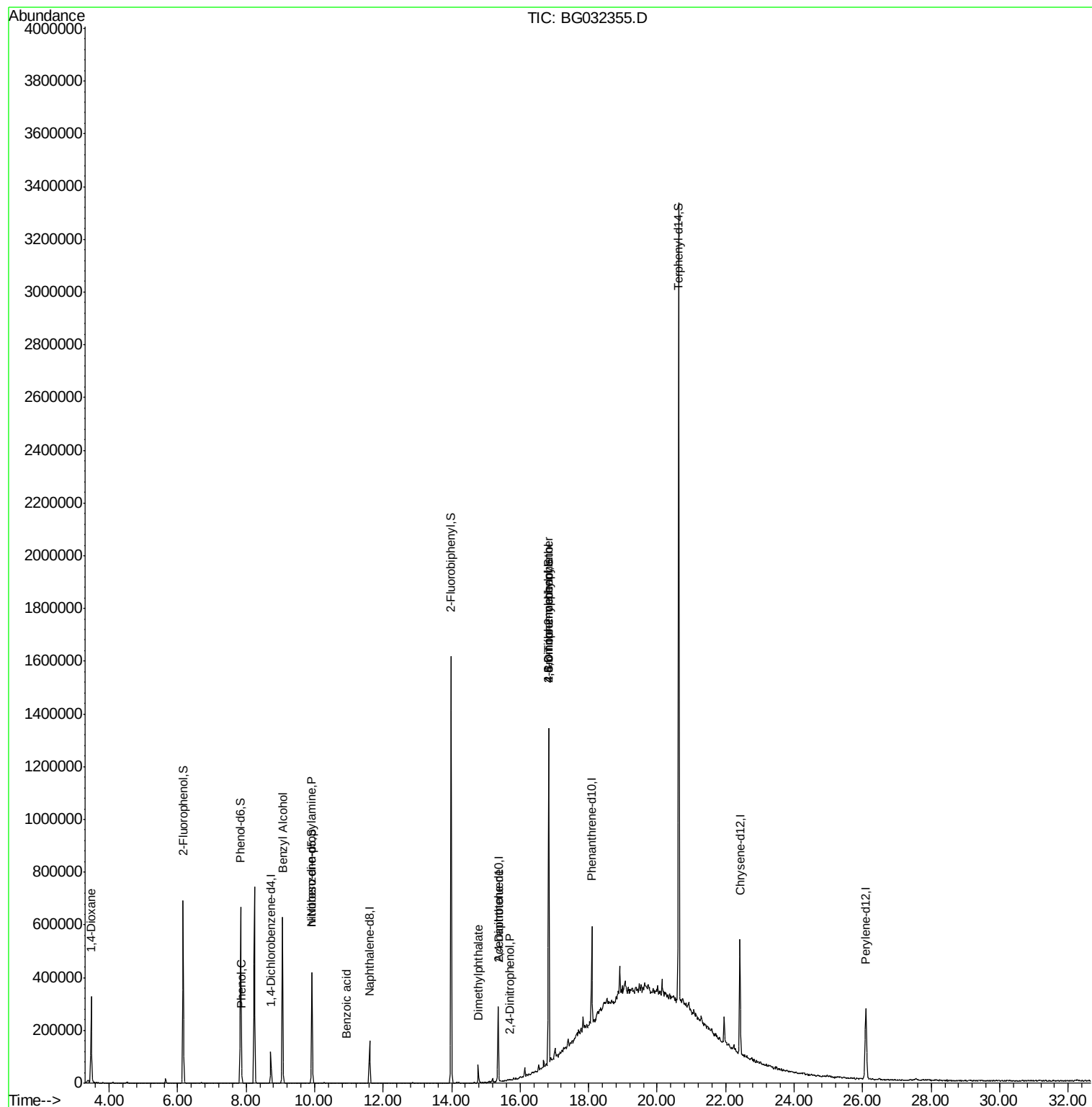
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	4089	4.735	ng	# 1
10) Phenol	7.87	94	12728	4.564	ng	# 87
15) Benzyl Alcohol	9.05	79	4531	2.203	ng	# 44
19) n-Nitroso-di-n-propylamine	9.92	70	37404	21.294	ng	# 78
32) Benzoic acid	10.92	122	63	5.289	ng	# 1
49) Dimethylphthalate	14.78	163	47773	5.097	ng	# 99
53) 2,4-Dinitrophenol	15.69	184	58	7.018	ng	# 1
56) 2,4-Dinitrotoluene	15.36	165	15289	5.837	ng	# 20
64) 4,6-Dinitro-2-methylphenol	16.83	198	1003	5.445	ng	# 1
66) 4-Bromophenyl-phenylether	16.83	248	25358	7.097	ng	# 1

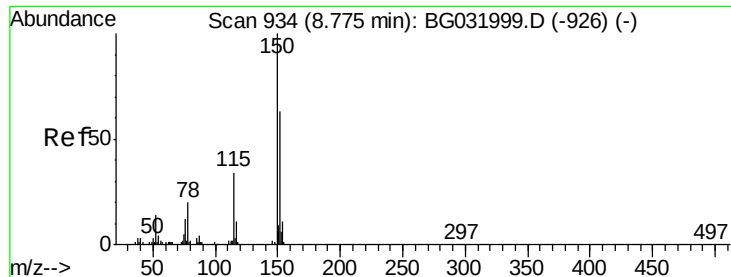
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.73 min Scan# 925

Delta R.T. 0.00 min

Lab File: BG032355.D

Acq: 27 Jan 2018 14:15

Instrument :

BNA_G

ClientSampleId :

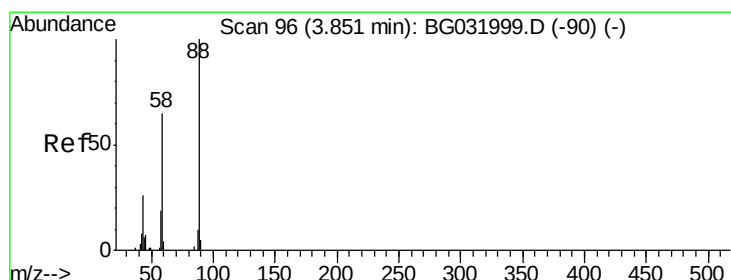
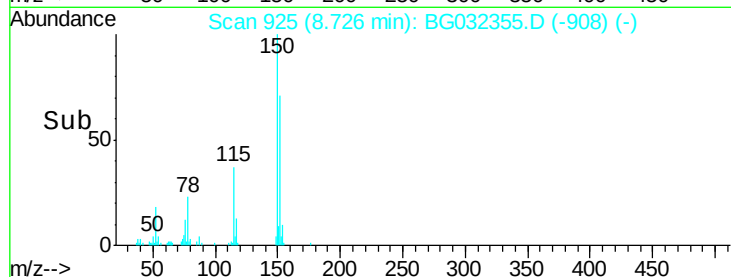
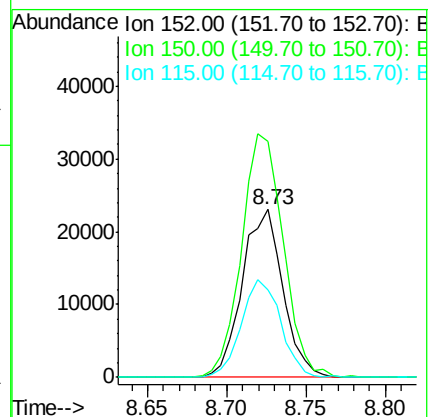
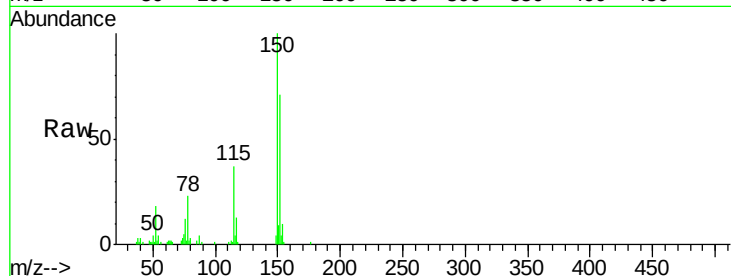
Tot Ion:152 Resp: 41113

Ion Ratio Lower Upper

152 100

150 140.5 126.6 189.8

115 52.0 53.0 79.4#



#2

1,4-Dioxane

Concen: 4.735 ng

RT: 3.47 min Scan# 31

Delta R.T. -0.35 min

Lab File: BG032355.D

Acq: 27 Jan 2018 14:15

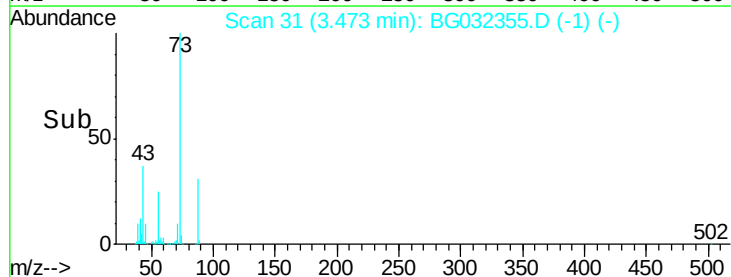
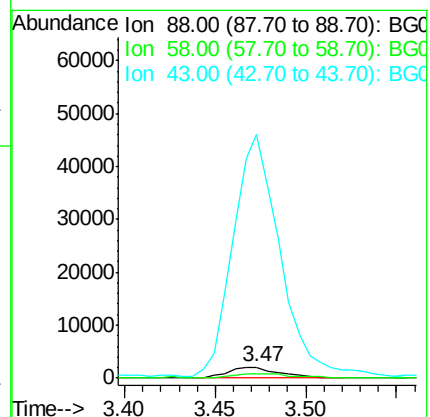
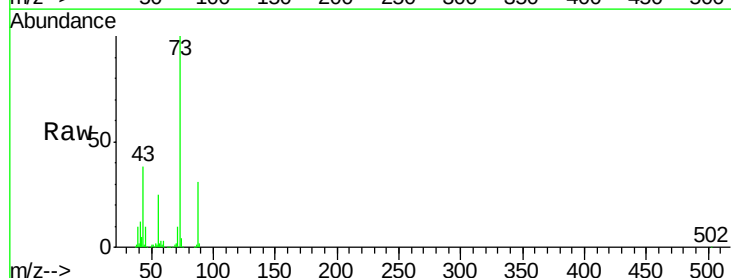
Tgt Ion: 88 Resp: 4089

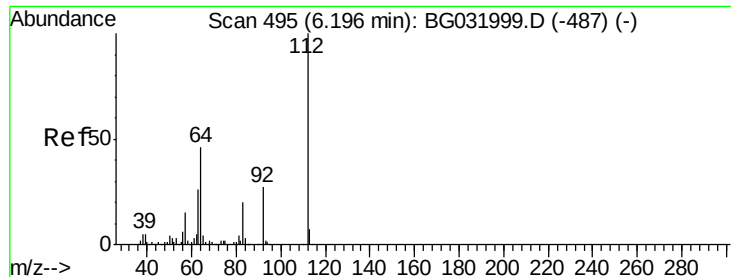
Ion Ratio Lower Upper

88 100

58 45.8 79.6 119.4#

43 2019.4 27.4 41.0#





#5

2-Fluorophenol

Concen: 148.922 ng

RT: 6.16 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG032355.D

Acq: 27 Jan 2018 14:15

Instrument :

BNA_G

ClientSampled :

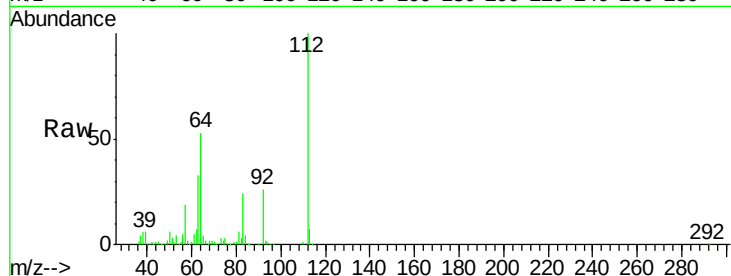
Tot Ion:112 Resp: 334766

Ion Ratio Lower Upper

112 100

64 53.4 56.3 84.5#

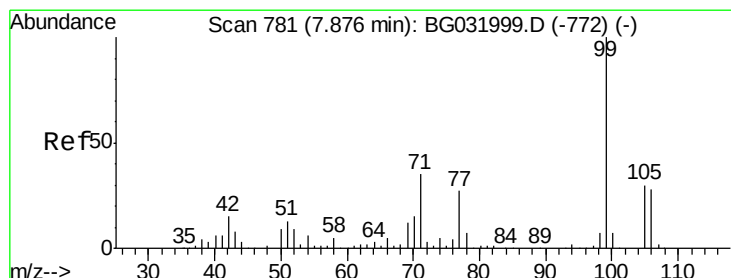
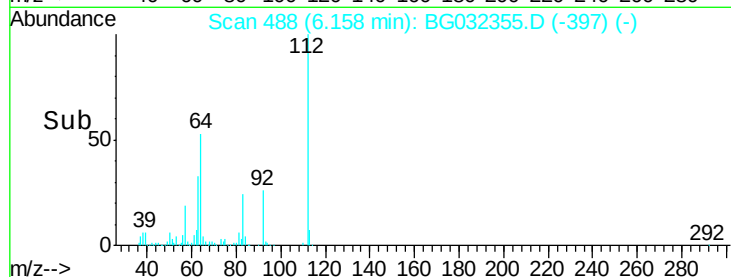
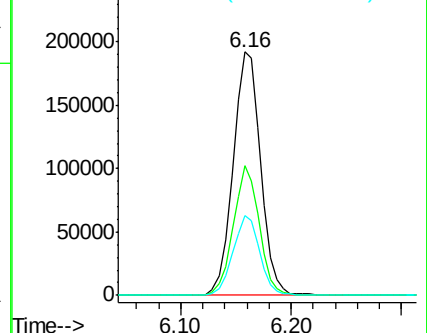
63 32.5 30.1 45.1



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: 144.324 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.00 min

Lab File: BG032355.D

Acq: 27 Jan 2018 14:15

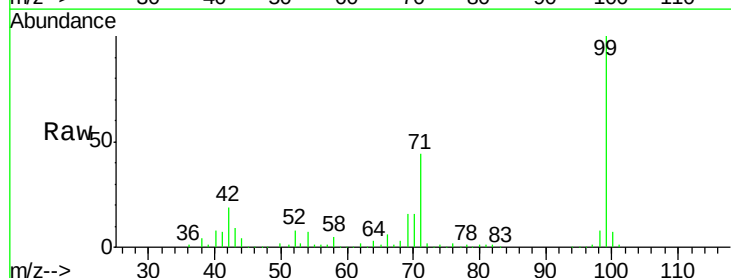
Tgt Ion: 99 Resp: 408598

Ion Ratio Lower Upper

99 100

42 18.6 14.1 21.1

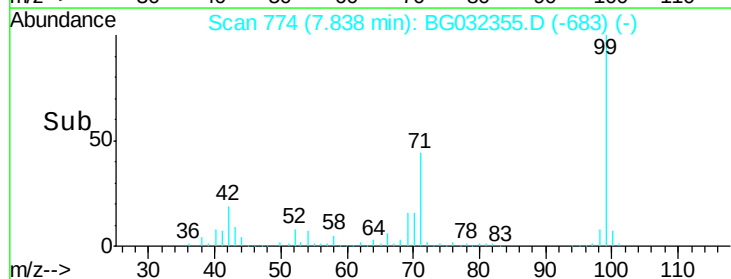
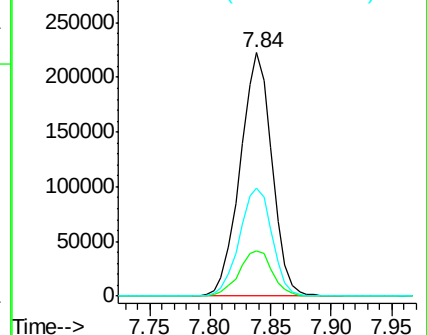
71 44.4 26.1 39.1#

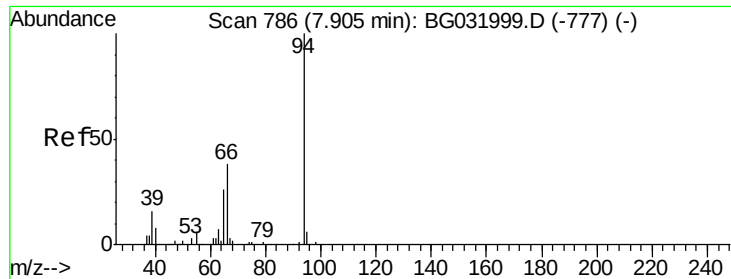


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 4.564 ng

RT: 7.87 min Scan# 779

Delta R.T. 0.00 min

Lab File: BG032355.D

Acq: 27 Jan 2018 14:15

Instrument :

BNA_G

ClientSampleId :

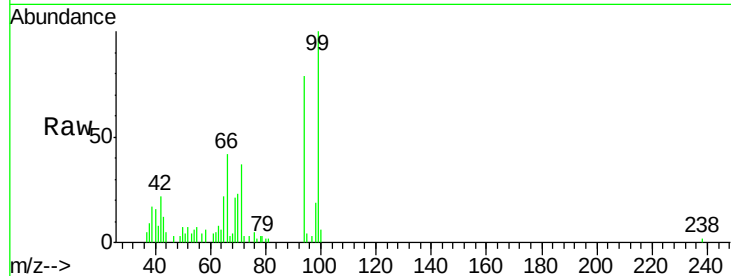
Tot Ion: 94 Resp: 12728

Ion Ratio Lower Upper

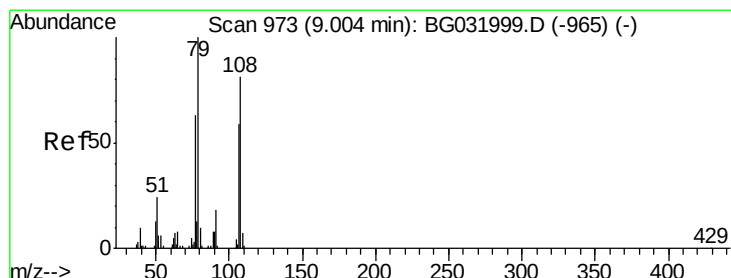
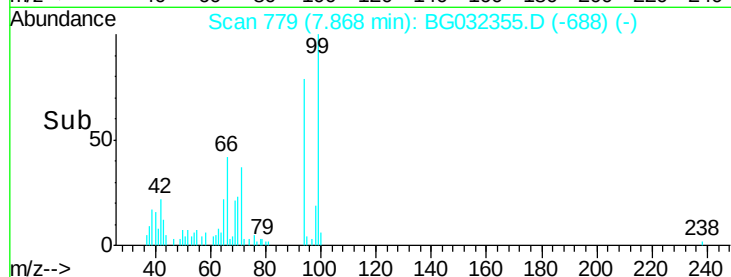
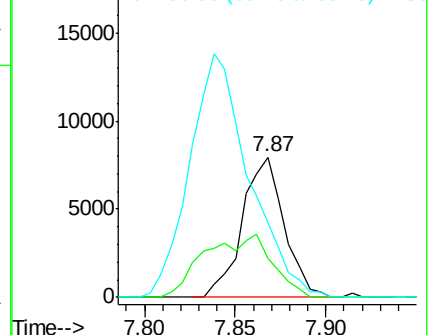
94 100

65 27.5 11.9 51.9

66 53.1 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: 2.203 ng

RT: 9.05 min Scan# 981

Delta R.T. 0.09 min

Lab File: BG032355.D

Acq: 27 Jan 2018 14:15

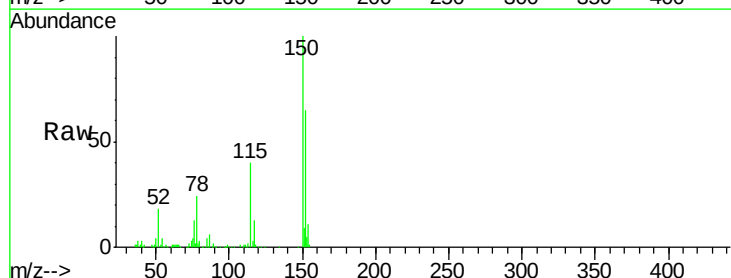
Tgt Ion: 79 Resp: 4531

Ion Ratio Lower Upper

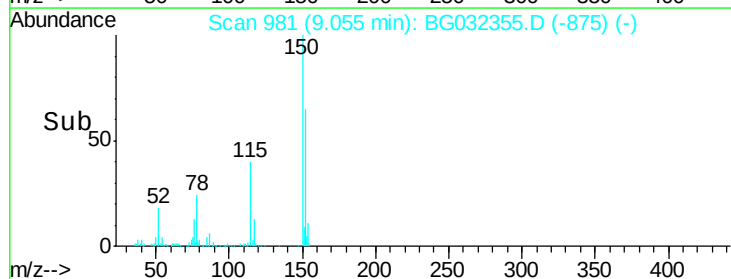
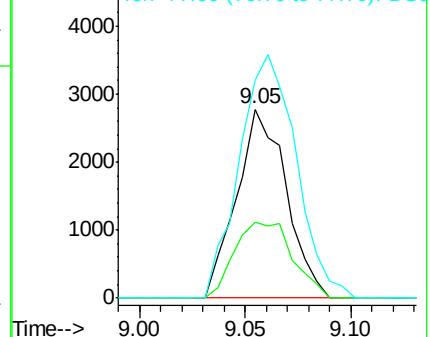
79 100

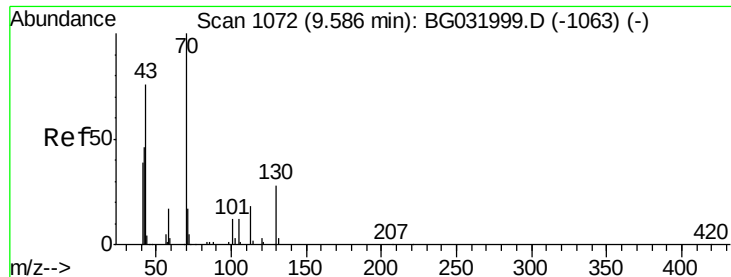
108 40.3 57.2 85.8#

77 115.9 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

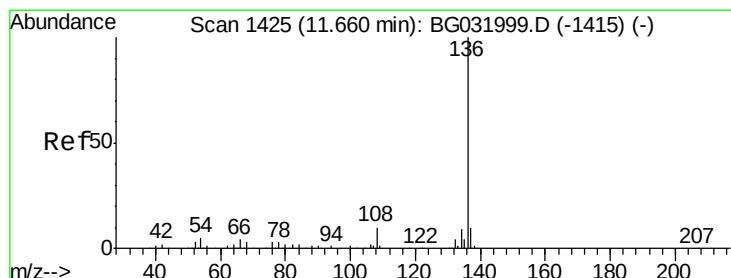
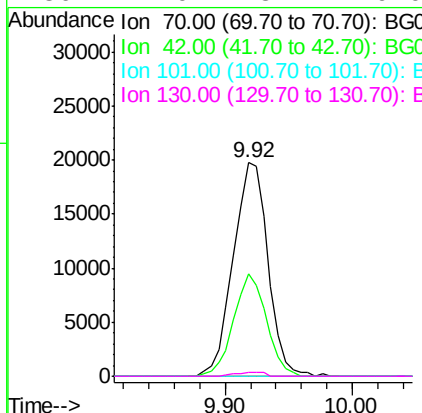
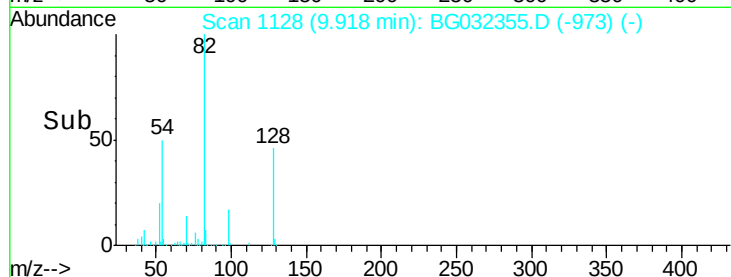
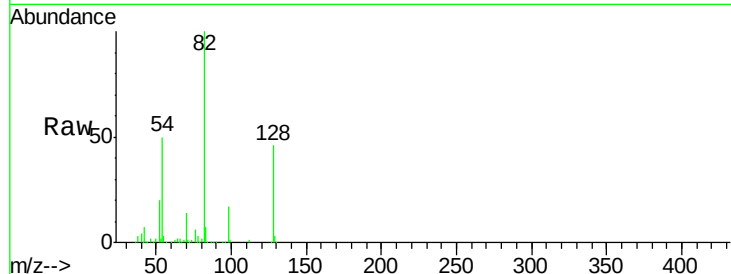




#19
n-Nitroso-di-n-propylamine
Concen: 21.294 ng
RT: 9.92 min Scan# 1128
Delta R.T. 0.38 min
Lab File: BG032355.D
Acq: 27 Jan 2018 14:15

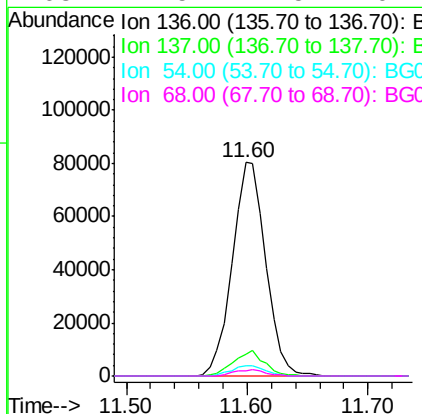
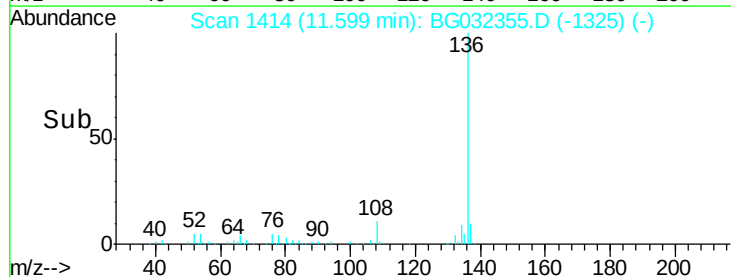
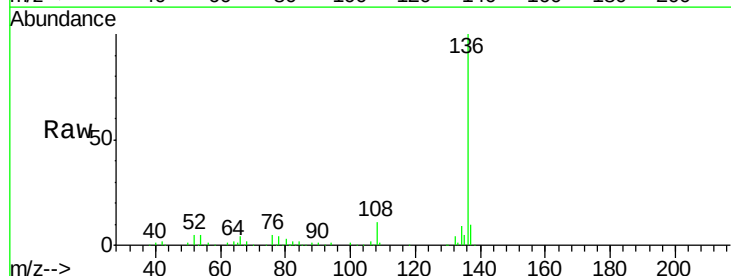
Instrument :
BNA_G
ClientSampleId :

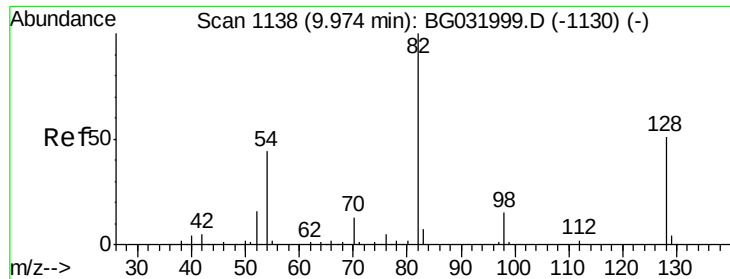
Tot Ion: 70 Resp: 37404
Ion Ratio Lower Upper
70 100
42 48.1 49.1 73.7#
101 0.0 8.5 12.7#
130 2.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BG032355.D
Acq: 27 Jan 2018 14:15

Tgt Ion: 136 Resp: 154728
Ion Ratio Lower Upper
136 100
137 10.0 9.2 13.8
54 4.7 10.3 15.5#
68 2.5 4.5 6.7#

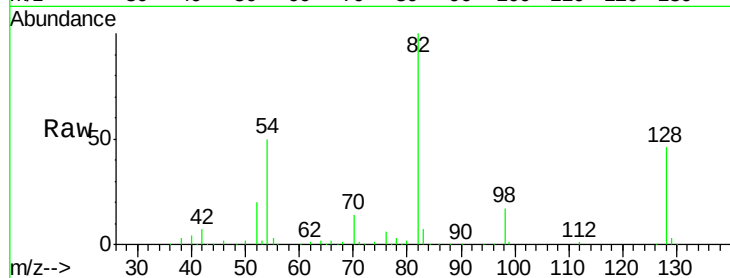




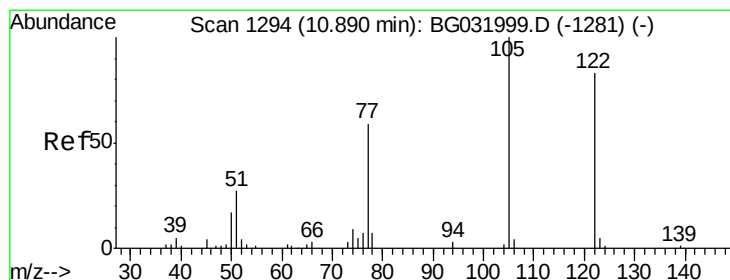
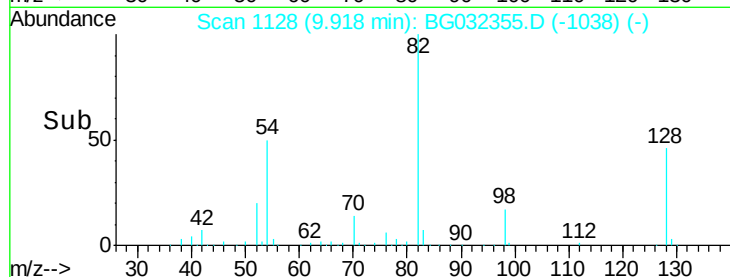
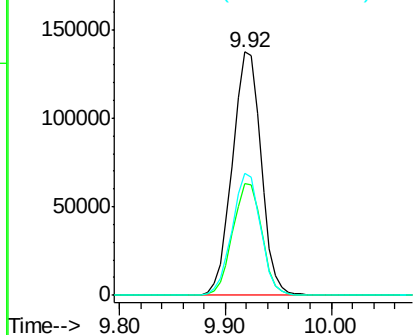
#23
Nitrobenzene-d5
Concen: 112.773 ng
RT: 9.92 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BG032355.D
Acq: 27 Jan 2018 14:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 257917
Ion Ratio Lower Upper
82 100
128 45.8 29.7 44.5#
54 50.0 43.1 64.7

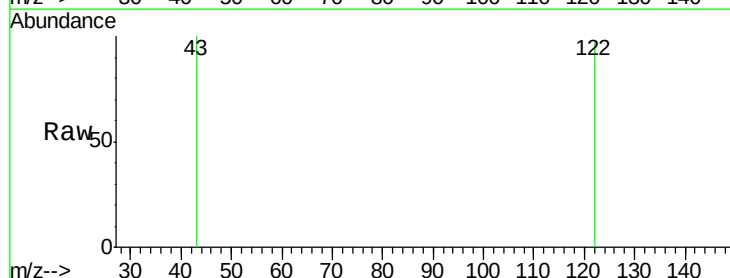


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

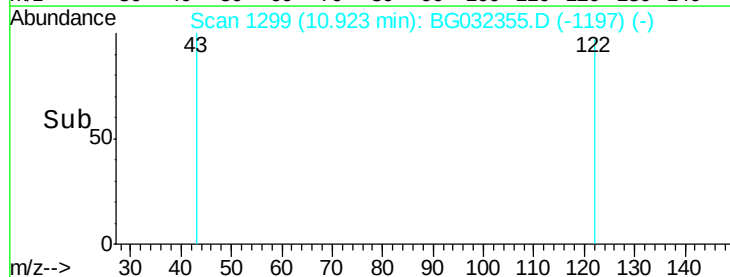
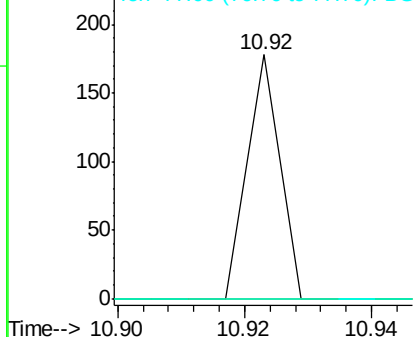


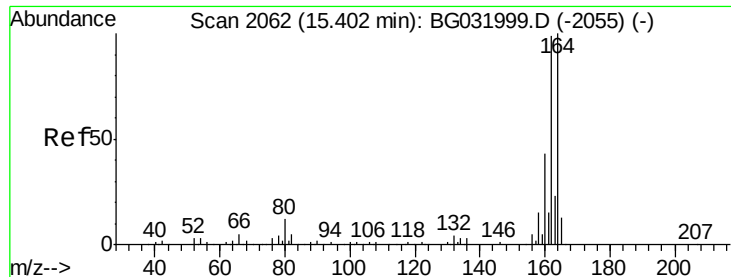
#32
Benzoic acid
Concen: 5.289 ng
RT: 10.92 min Scan# 1299
Delta R.T. 0.07 min
Lab File: BG032355.D
Acq: 27 Jan 2018 14:15

Tgt Ion:122 Resp: 63
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): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.35 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BG032355.D

Acq: 27 Jan 2018 14:15

Instrument :

BNA_G

ClientSampleId :

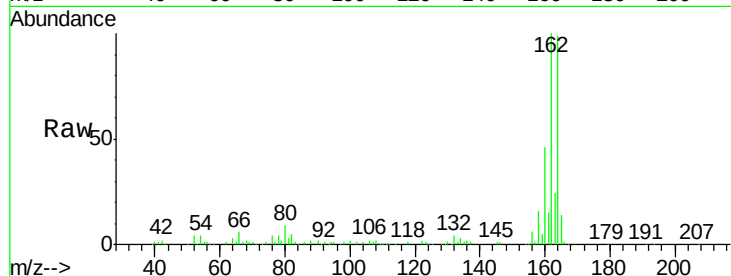
Tot Ion:164 Resp: 107112

Ion Ratio Lower Upper

164 100

162 100.6 78.8 118.2

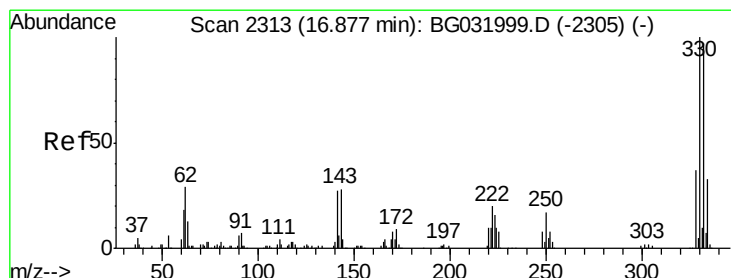
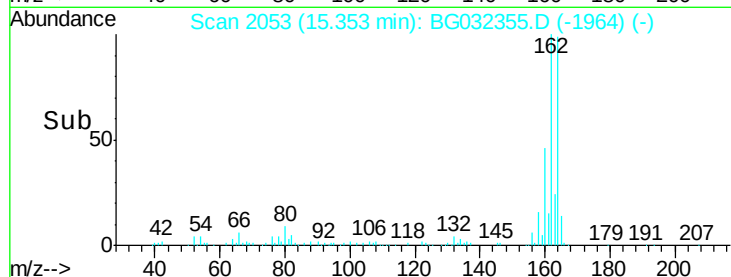
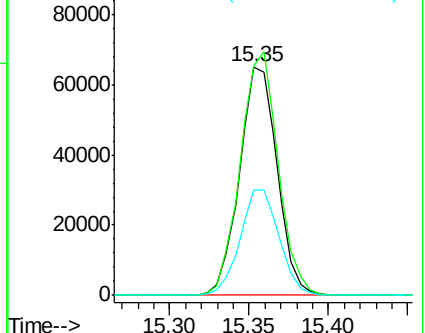
160 46.0 35.4 53.0



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: 168.014 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.00 min

Lab File: BG032355.D

Acq: 27 Jan 2018 14:15

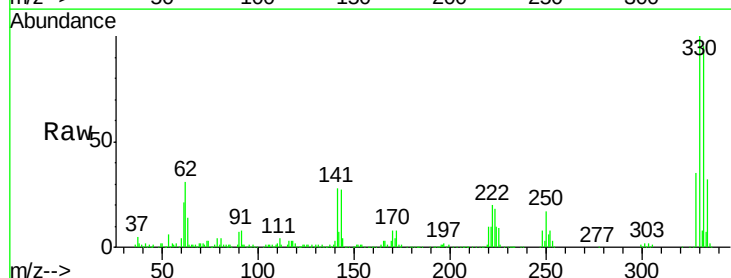
Tgt Ion:330 Resp: 297797

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

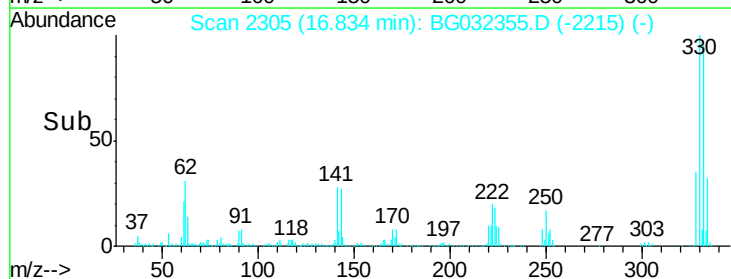
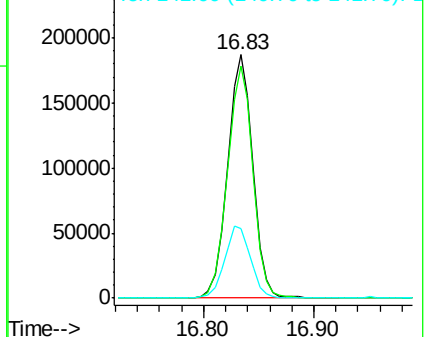
141 30.0 25.2 37.8

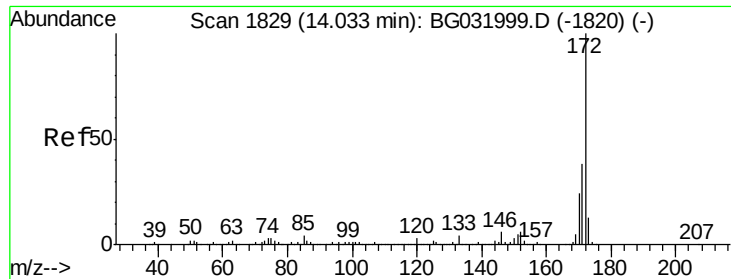


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

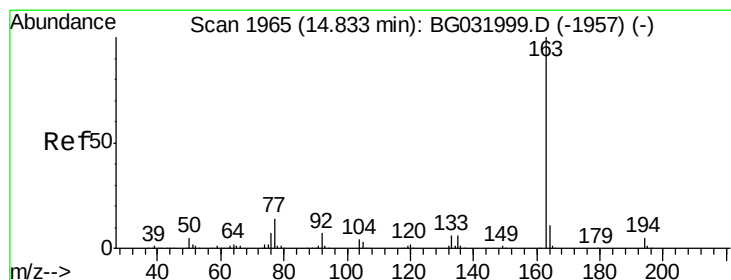
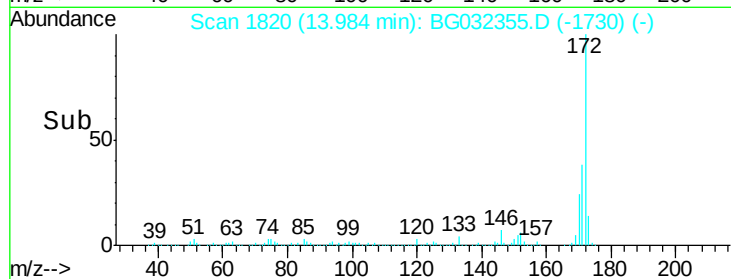
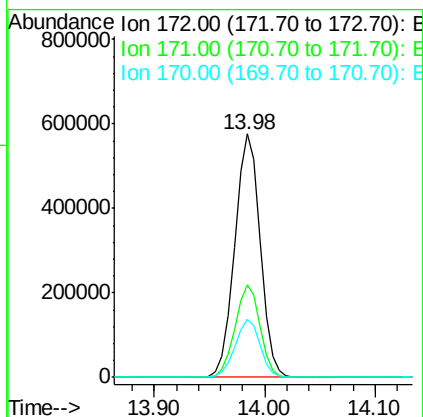
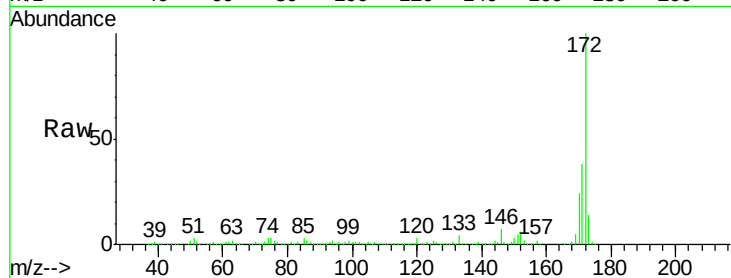




#44
2-Fluorobiphenyl
Concen: 107.742 ng
RT: 13.98 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BG032355.D
Acq: 27 Jan 2018 14:15

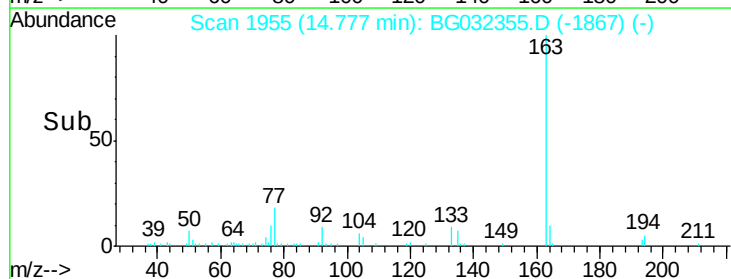
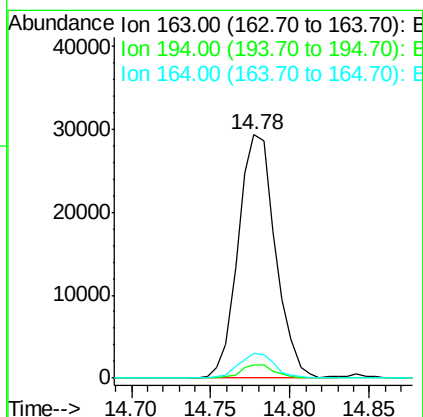
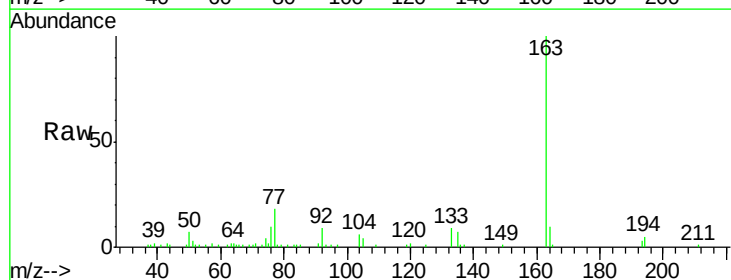
Instrument :
BNA_G
ClientSampleId :

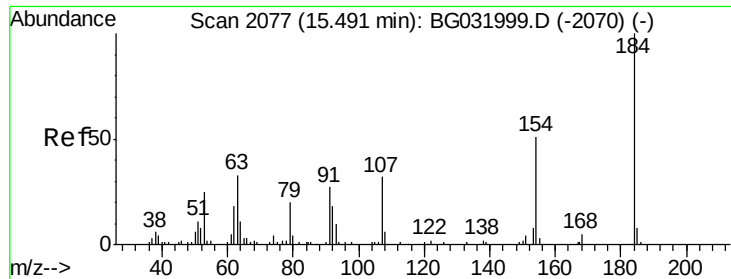
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.0	45.0
170	23.8	19.5	29.3



#49
Dimethylphthalate
Concen: 5.097 ng
RT: 14.78 min Scan# 1955
Delta R.T. -0.02 min
Lab File: BG032355.D
Acq: 27 Jan 2018 14:15

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.2	3.4	5.2#
164	10.4	8.2	12.4

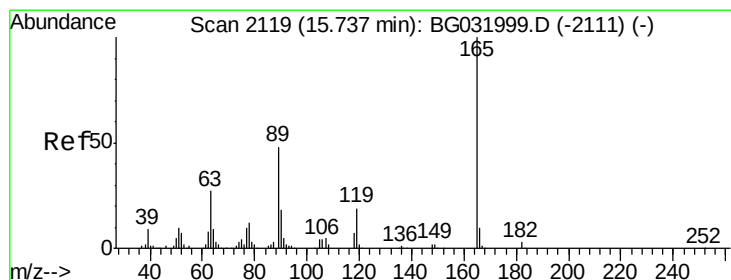
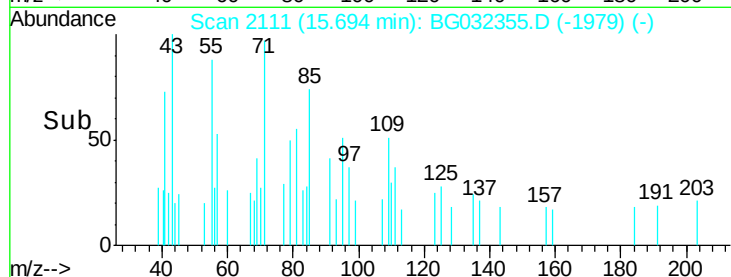
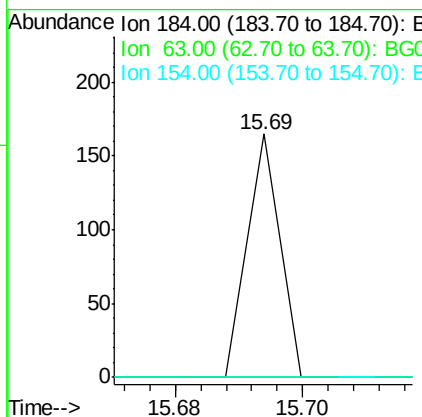
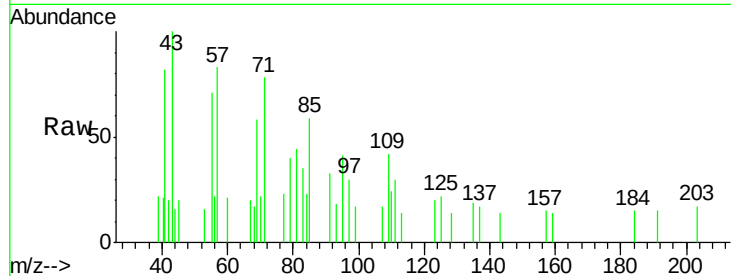




#53
2,4-Dinitrophenol
Concen: 7.018 ng
RT: 15.69 min Scan# 2111
Delta R.T. 0.24 min
Lab File: BG032355.D
Acq: 27 Jan 2018 14:15

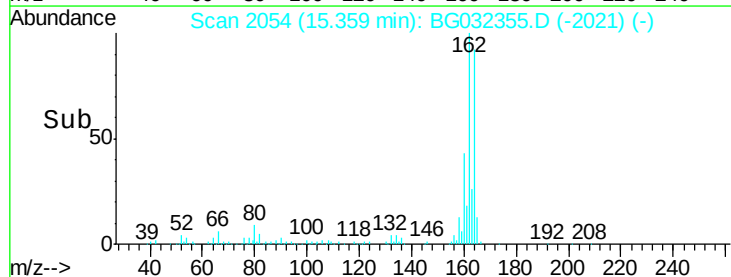
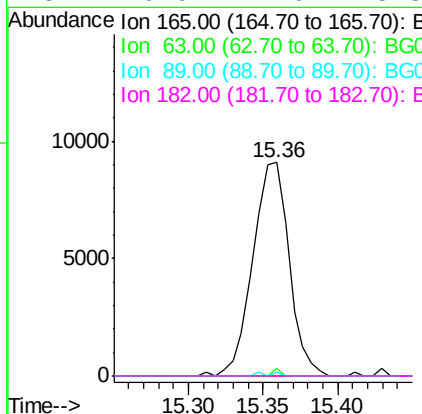
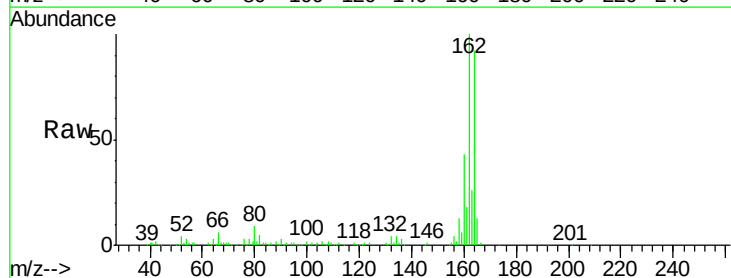
Instrument :
BNA_G
ClientSampled :

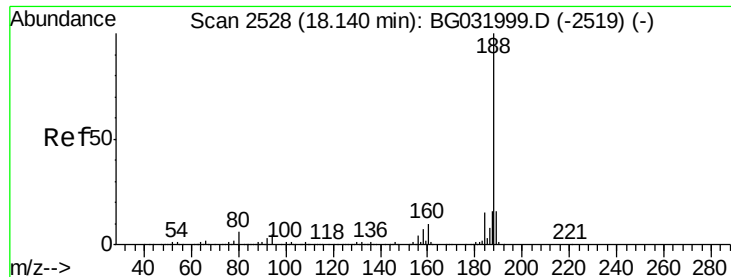
Tot Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#



#56
2,4-Dinitrotoluene
Concen: 5.837 ng
RT: 15.36 min Scan# 2054
Delta R.T. -0.34 min
Lab File: BG032355.D
Acq: 27 Jan 2018 14:15

Tgt Ion:165 Resp: 15289
Ion Ratio Lower Upper
165 100
63 3.7 42.0 63.0#
89 2.0 66.9 100.3#
182 0.0 2.6 3.8#

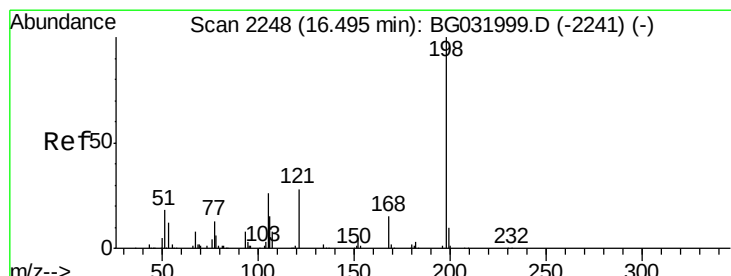
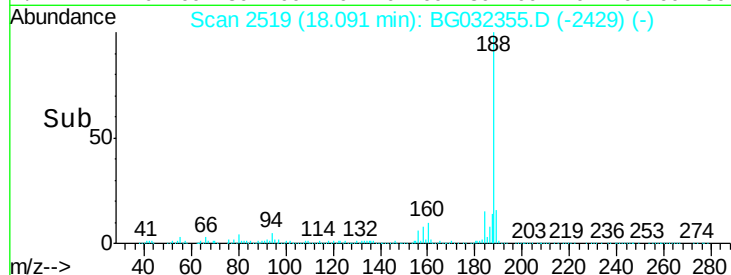
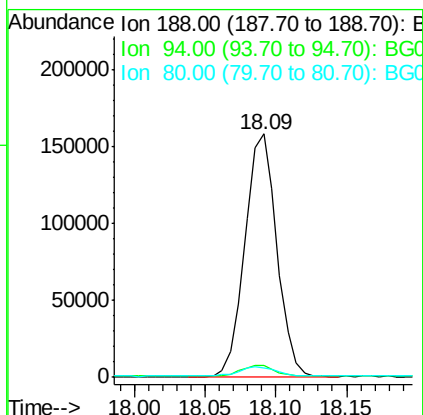
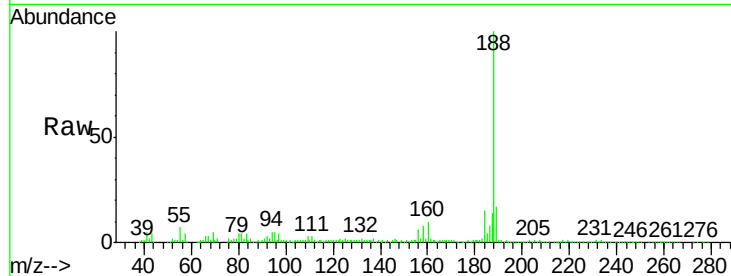




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.00 min
 Lab File: BG032355.D
 Acq: 27 Jan 2018 14:15

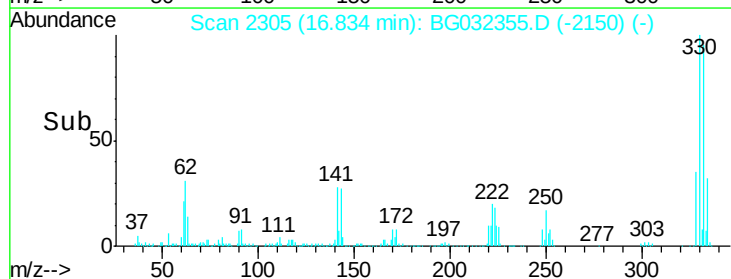
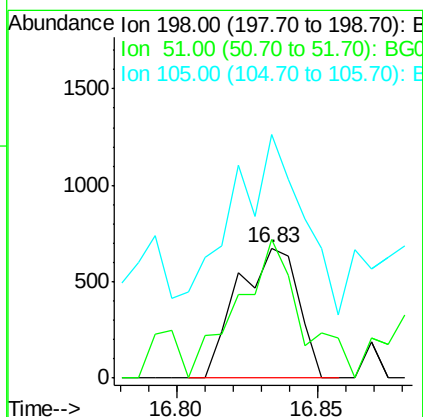
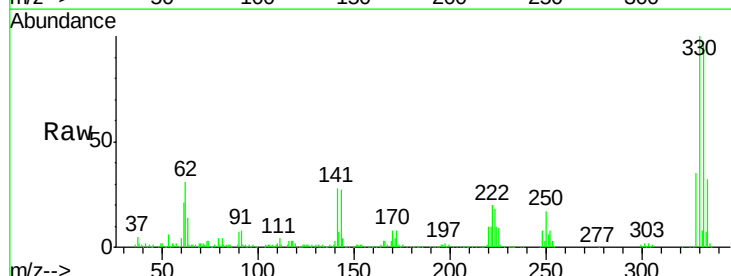
Instrument :
 BNA_G
 ClientSampleId :

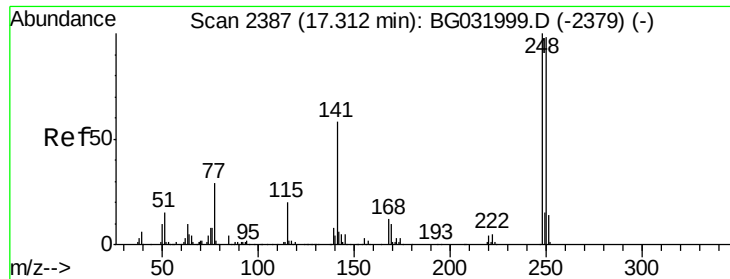
Tot Ion:188 Resp: 251141
 Ion Ratio Lower Upper
 188 100
 94 5.0 6.9 10.3#
 80 4.0 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.445 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. 0.38 min
 Lab File: BG032355.D
 Acq: 27 Jan 2018 14:15

Tgt Ion:198 Resp: 1003
 Ion Ratio Lower Upper
 198 100
 51 107.0 30.6 70.6#
 105 187.1 23.8 63.8#

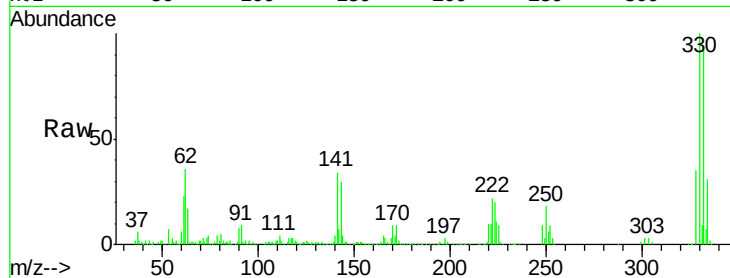




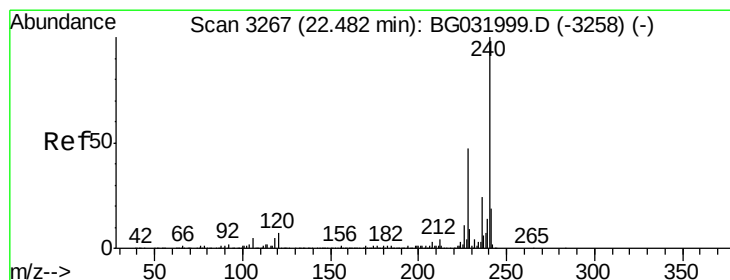
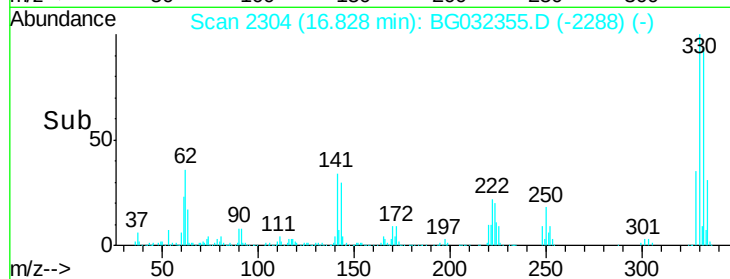
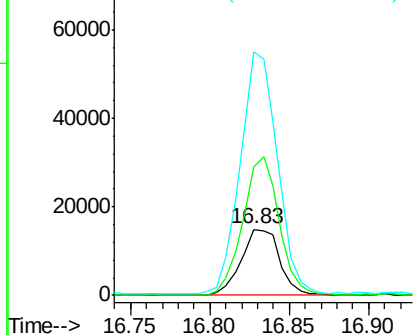
#66
4-Bromophenyl-phenylether
Concen: 7.097 ng
RT: 16.83 min Scan# 2304
Delta R.T. -0.44 min
Lab File: BG032355.D
Acq: 27 Jan 2018 14:15

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 25358
Ion Ratio Lower Upper
248 100
250 193.7 77.1 115.7#
141 368.0 50.8 76.2#

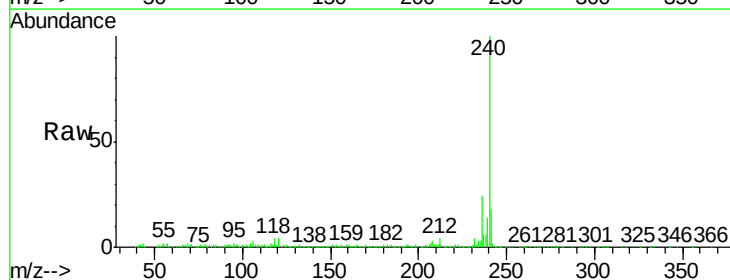


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

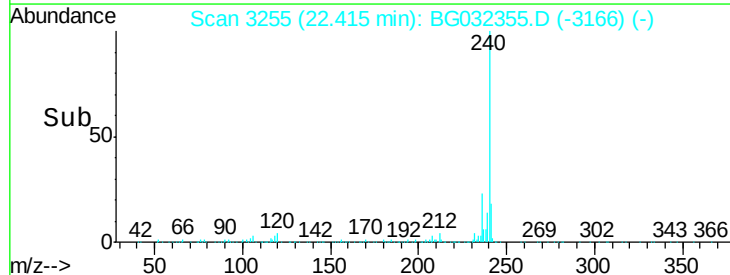
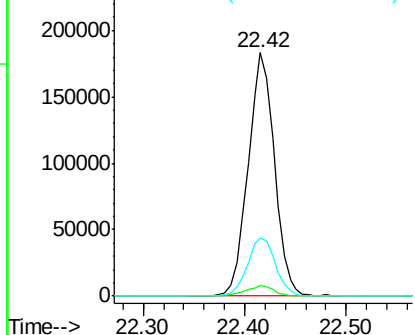


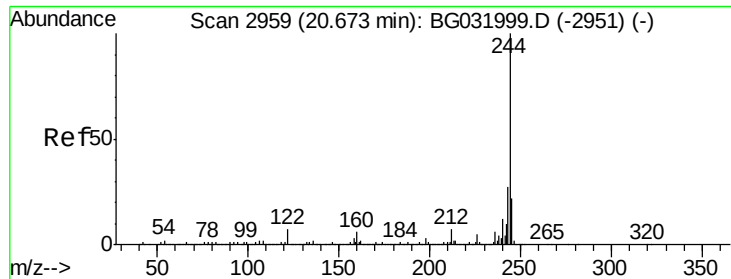
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.42 min Scan# 3255
Delta R.T. -0.01 min
Lab File: BG032355.D
Acq: 27 Jan 2018 14:15

Tgt Ion:240 Resp: 330283
Ion Ratio Lower Upper
240 100
120 4.3 6.8 10.2#
236 23.7 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





#78

Terphenyl-d14

Concen: 105.288 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.00 min

Lab File: BG032355.D

Acq: 27 Jan 2018 14:15

Instrument :

BNA_G

ClientSampleId :

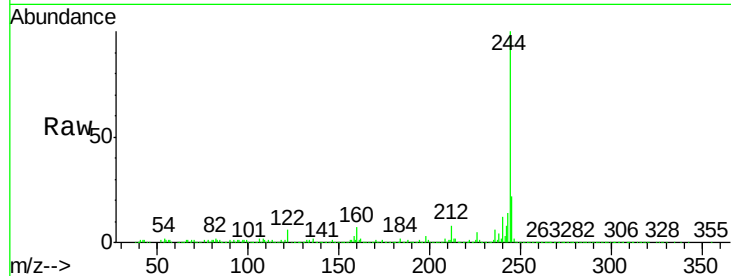
Tot Ion:244 Resp: 1574915

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

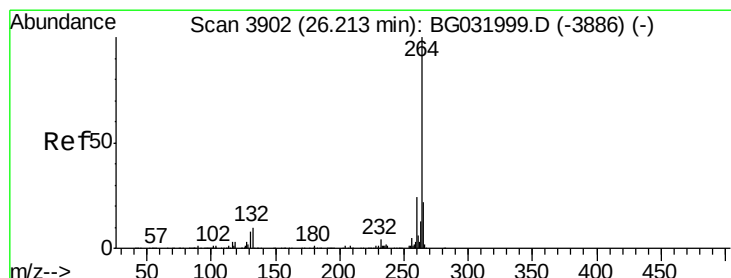
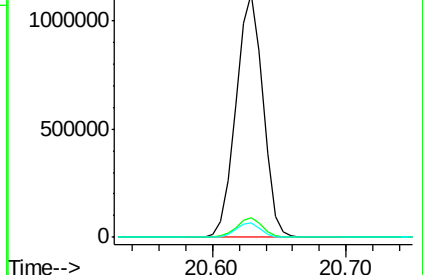
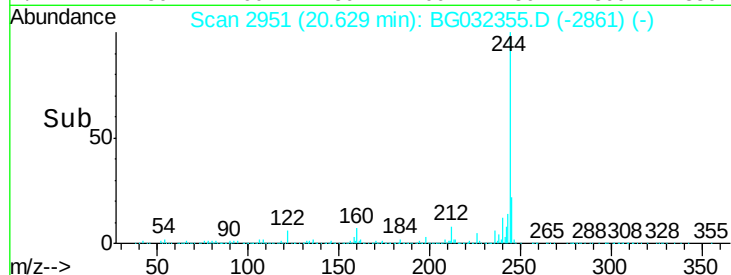
122 5.8 7.0 10.4#



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: BG032355.D

Acq: 27 Jan 2018 14:15

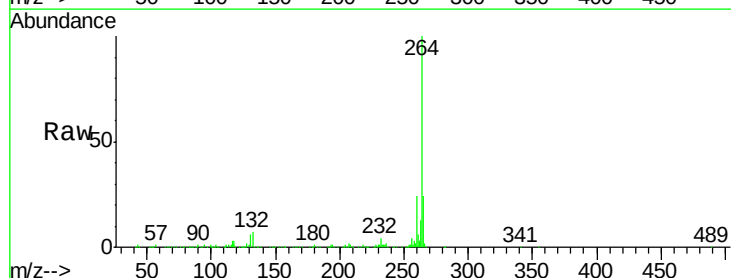
Tgt Ion:264 Resp: 365173

Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.0

265 23.7 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

