

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040918\
 Data File : BG033675.D
 Acq On : 9 Apr 2018 11:37
 Operator : SJ/JU
 Sample : J2216-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 10 05:53:42 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 05 17:36:07 2018
 Response via : Initial Calibration

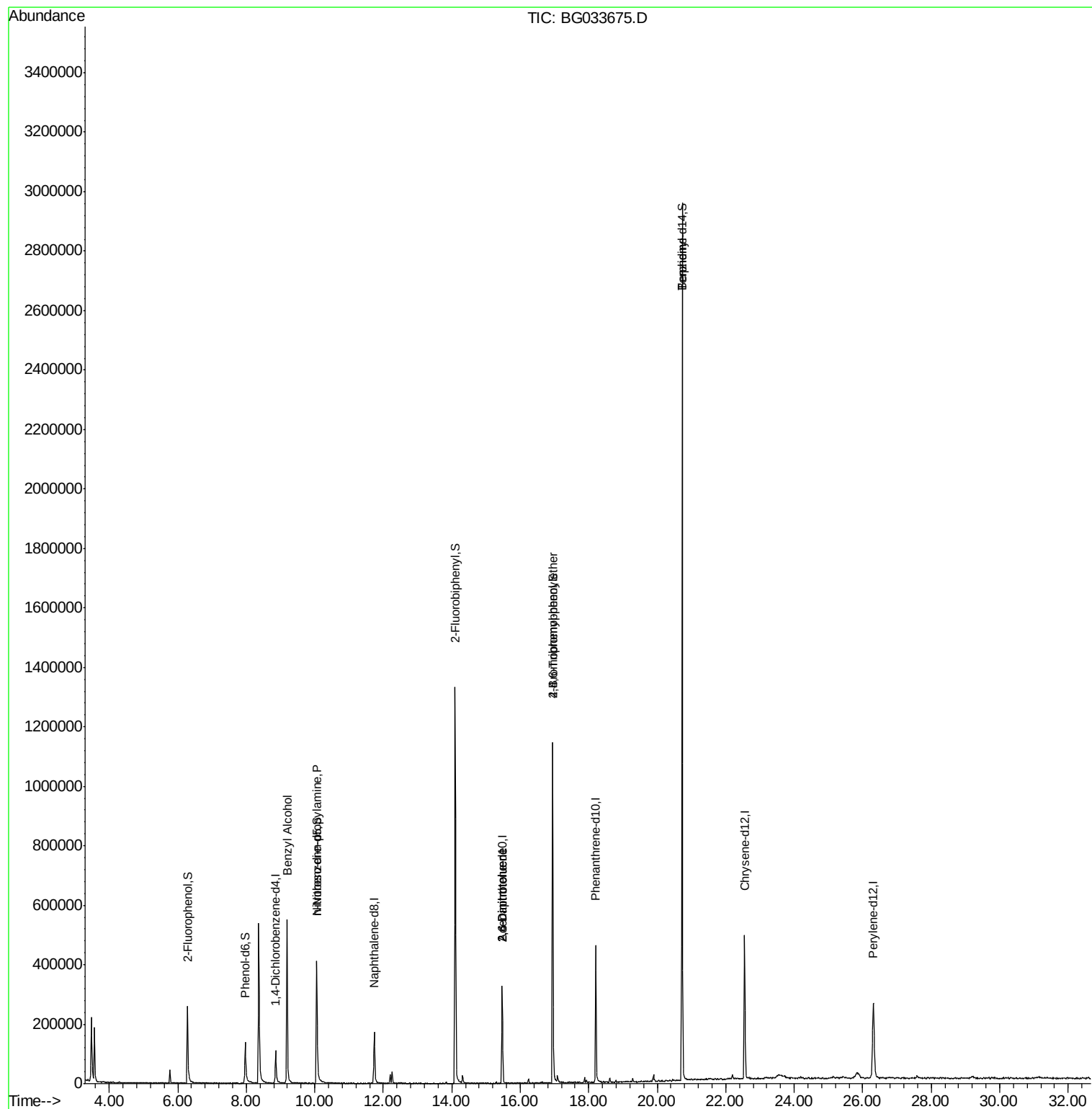
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	39958	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	170138	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	122531	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	324341	20.00	ng	0.00
75) Chrysene-d12	22.55	240	337654	20.00	ng	-0.01
86) Perylene-d12	26.31	264	353643	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.28	112	127825	59.98	ng	0.00
7) Phenol-d6	7.97	99	116956	31.94	ng	0.00
23) Nitrobenzene-d5	10.06	82	321157	86.73	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	219144	119.58	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	748750	88.22	ng	0.00
78) Terphenyl-d14	20.73	244	1409429	89.27	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.19	79	5871	2.037	ng	# 30
19) n-Nitroso-di-n-propylamine	10.06	70	44006	16.402	ng	# 80
50) 2,6-Dinitrotoluene	15.47	165	15106	6.928	ng	# 21
56) 2,4-Dinitrotoluene	15.47	165	15106	4.705	ng	# 19
66) 4-Bromophenyl-phenylether	16.95	248	17421	4.574	ng	# 1
76) Benzidine	20.73	184	25803	2.818	ng	# 92

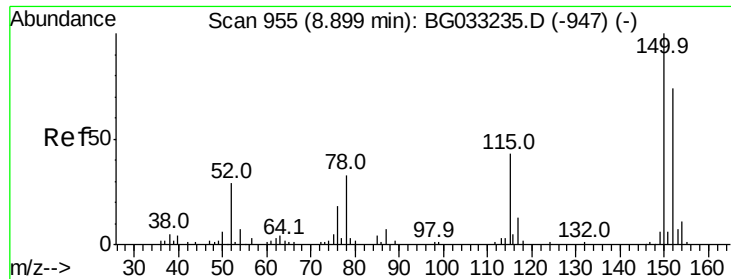
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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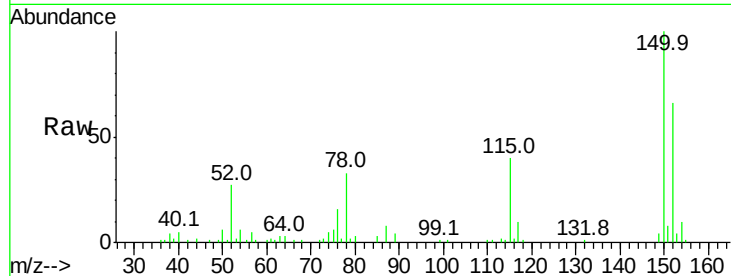


#1

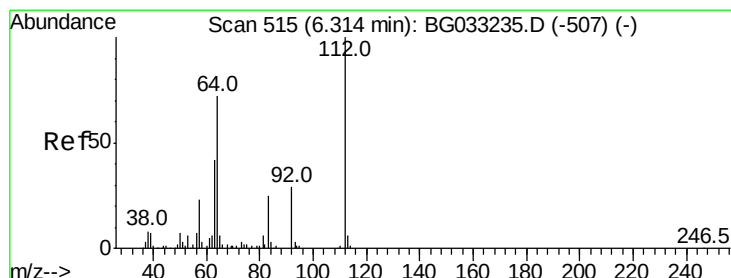
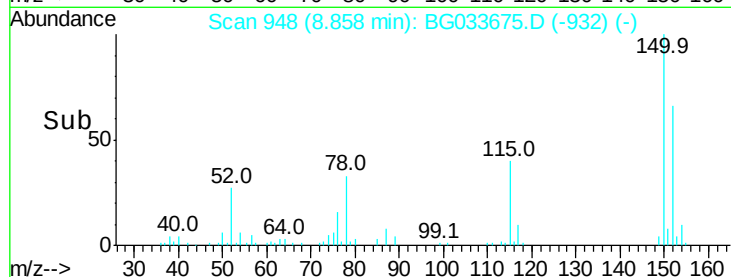
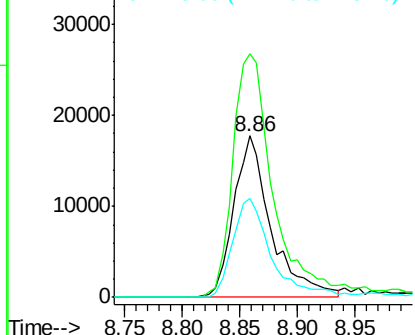
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.01 min
Lab File: BG033675.D
Acq: 9 Apr 2018 11:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 39958
Ion Ratio Lower Upper
152 100
150 150.9 126.6 189.8
115 61.1 53.0 79.4



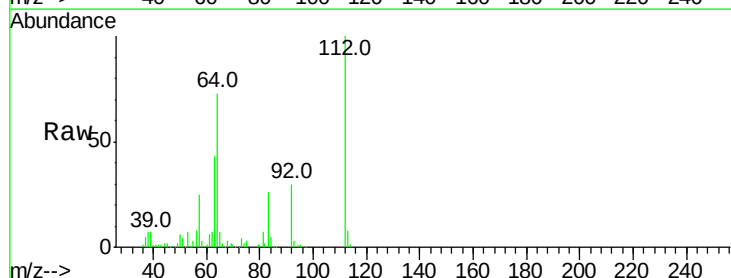
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



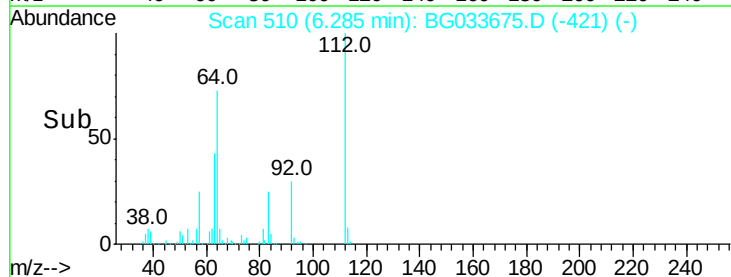
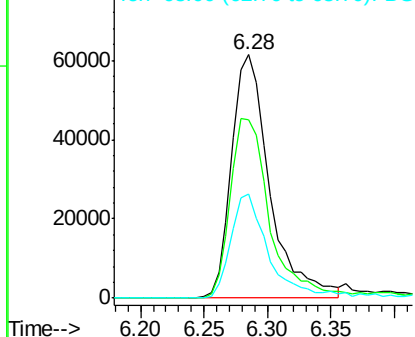
#5

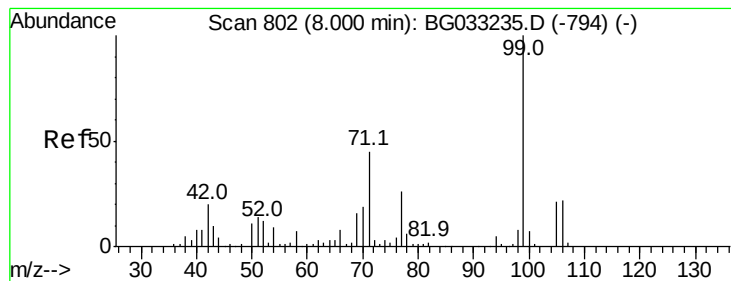
2-Fluorophenol
Concen: 59.985 ng
RT: 6.28 min Scan# 510
Delta R.T. -0.01 min
Lab File: BG033675.D
Acq: 9 Apr 2018 11:37

Tgt Ion:112 Resp: 127825
Ion Ratio Lower Upper
112 100
64 73.5 56.3 84.5
63 42.6 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 31.943 ng

RT: 7.97 min Scan# 797

Delta R.T. 0.00 min

Lab File: BG033675.D

Acq: 9 Apr 2018 11:37

Instrument :

BNA_G

ClientSampled :

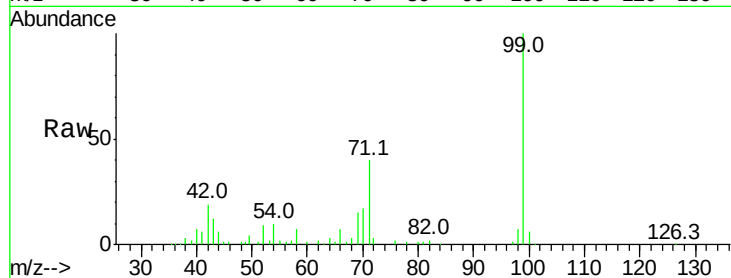
Tot Ion: 99 Resp: 116956

Ion Ratio Lower Upper

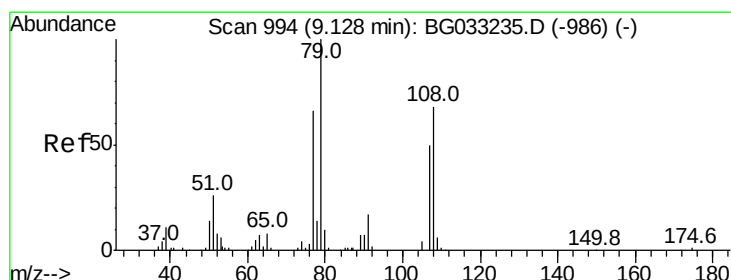
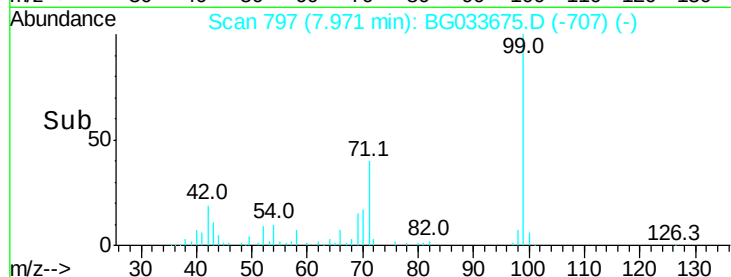
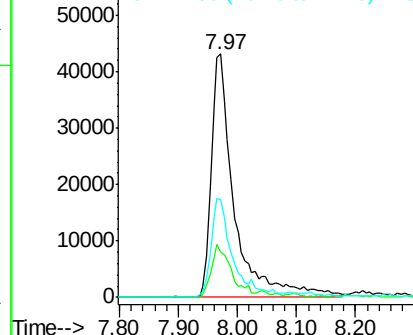
99 100

42 18.8 14.1 21.1

71 40.2 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: 2.037 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.09 min

Lab File: BG033675.D

Acq: 9 Apr 2018 11:37

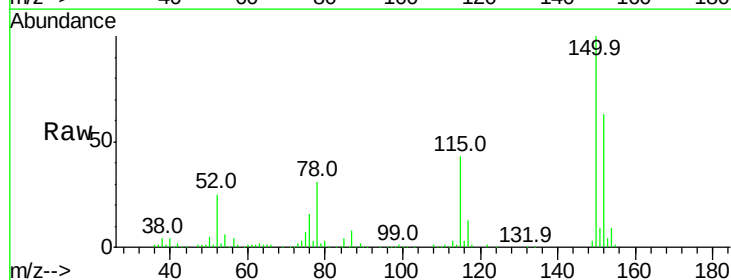
Tgt Ion: 79 Resp: 5871

Ion Ratio Lower Upper

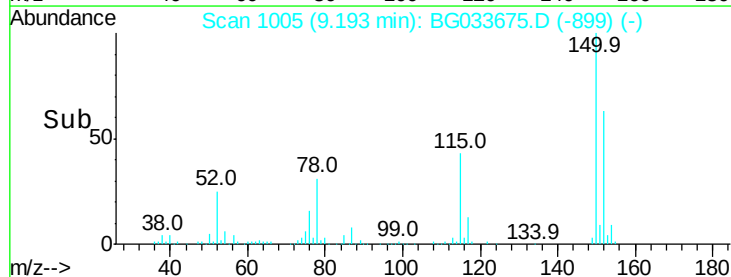
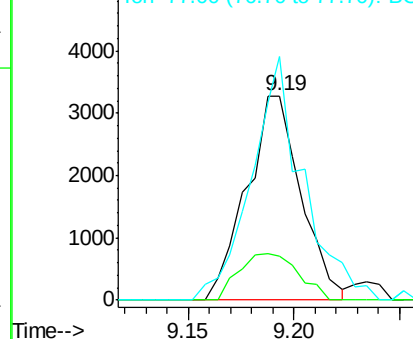
79 100

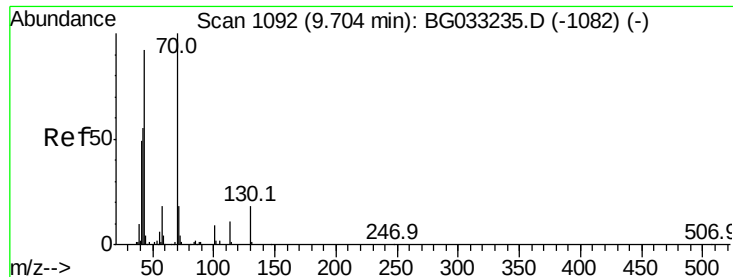
108 21.7 57.2 85.8#

77 119.2 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

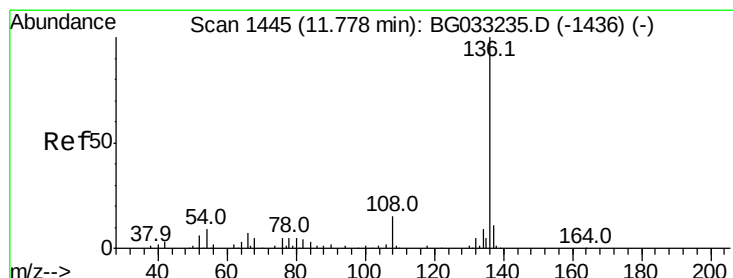
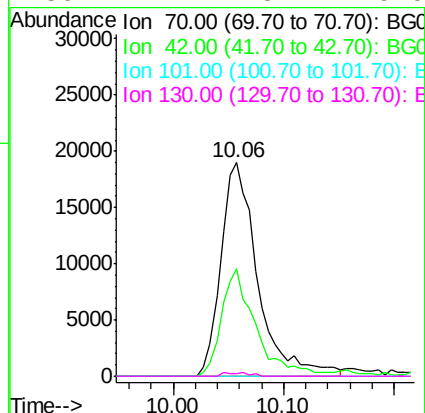
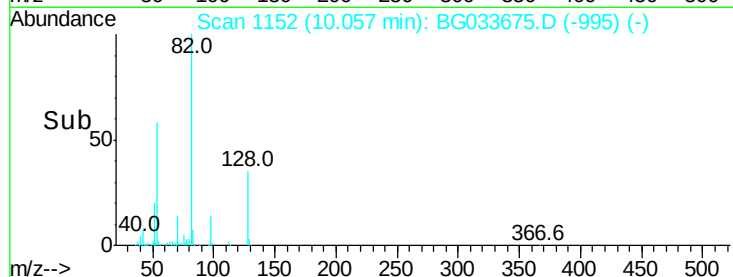
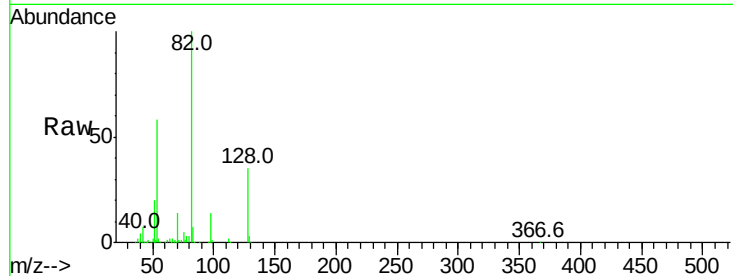




#19
n-Nitroso-di-n-propylamine
Concen: 16.402 ng
RT: 10.06 min Scan# 1152
Delta R.T. 0.39 min
Lab File: BG033675.D
Acq: 9 Apr 2018 11:37

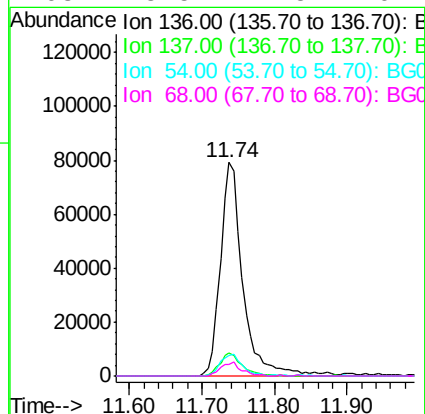
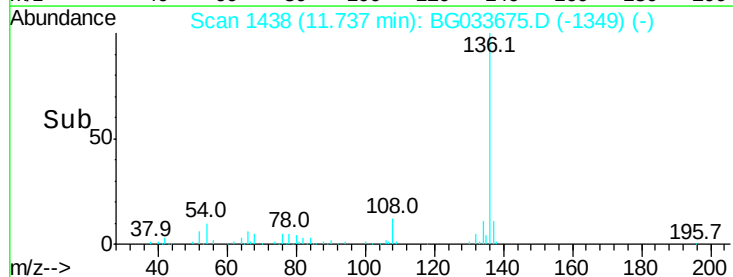
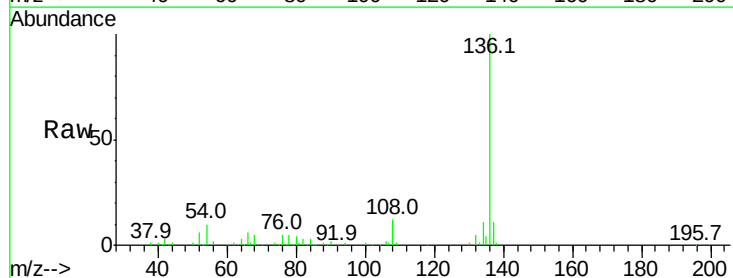
Instrument :
BNA_G
ClientSampleId :

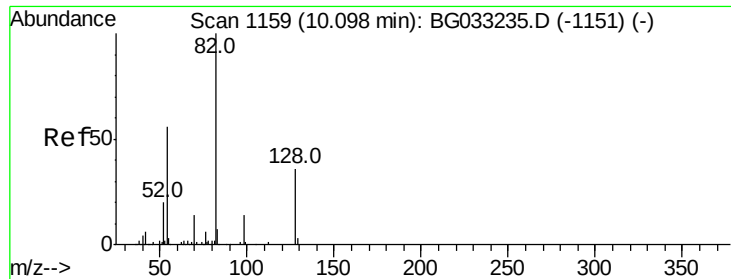
Tot Ion: 70 Resp: 44006
Ion Ratio Lower Upper
70 100
42 50.4 49.1 73.7
101 0.0 8.5 12.7#
130 1.1 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BG033675.D
Acq: 9 Apr 2018 11:37

Tgt Ion: 136 Resp: 170138
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 9.6 10.3 15.5#
68 5.5 4.5 6.7

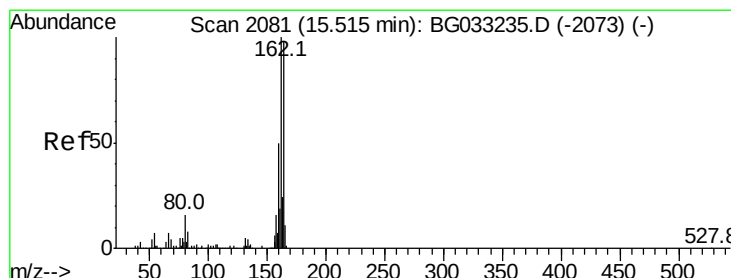
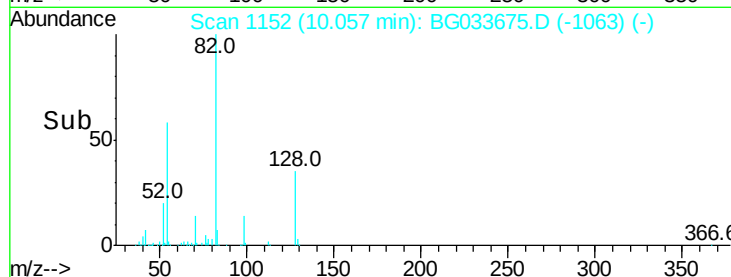
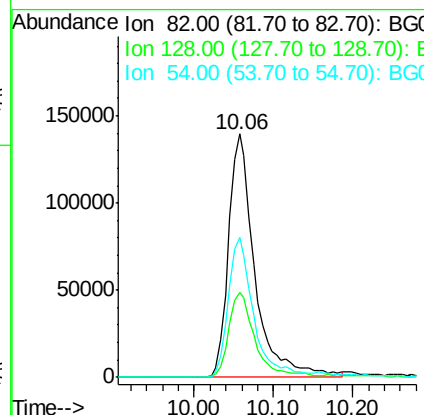
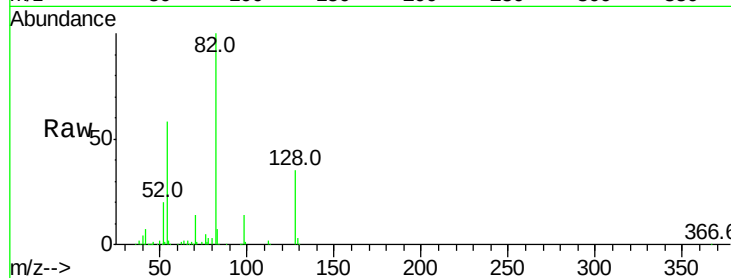




#23
 Nitrobenzene-d5
 Concen: 86.725 ng
 RT: 10.06 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: BG033675.D
 Acq: 9 Apr 2018 11:37

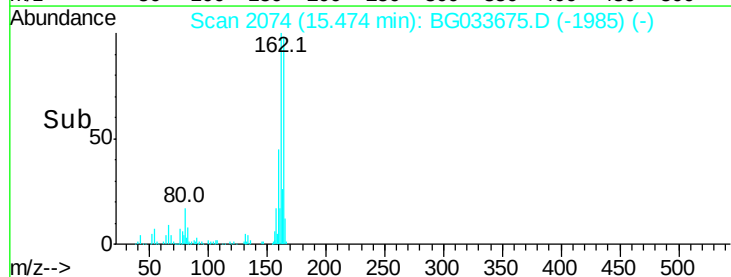
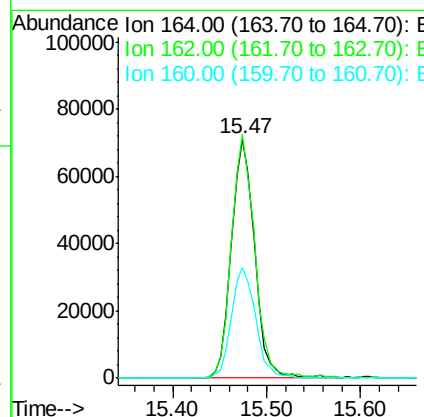
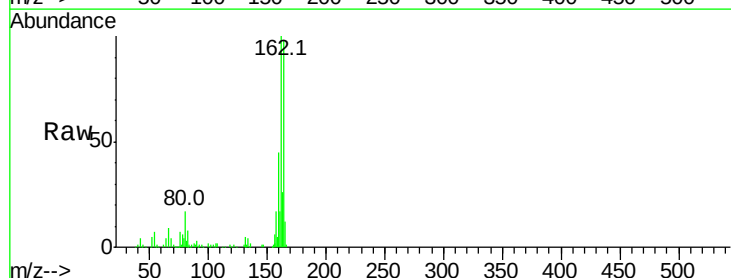
Instrument :
 BNA_G
 ClientSampleId :

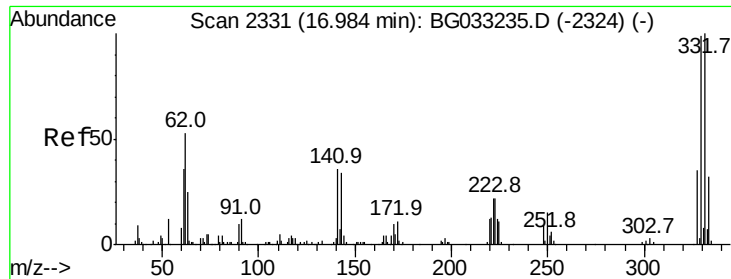
Tot Ion	82	Resp	321157
Ion	Ratio	Lower	Upper
82	100		
128	34.8	29.7	44.5
54	57.6	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2074
 Delta R.T. -0.01 min
 Lab File: BG033675.D
 Acq: 9 Apr 2018 11:37

Tgt Ion	164	Resp	122531
Ion	Ratio	Lower	Upper
164	100		
162	102.0	78.8	118.2
160	46.3	35.4	53.0

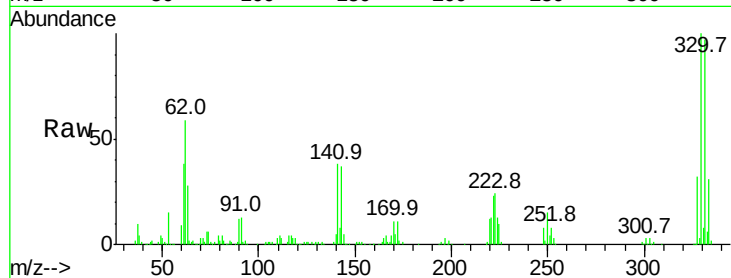




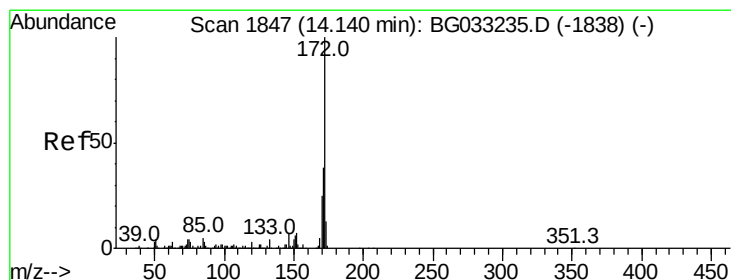
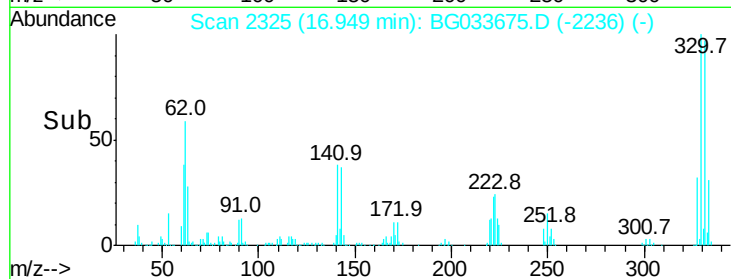
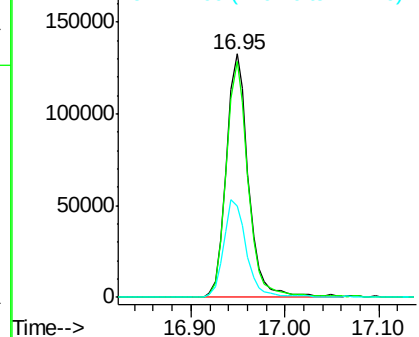
#41
 2,4,6-Tribromophenol
 Concen: 119.581 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.01 min
 Lab File: BG033675.D
 Acq: 9 Apr 2018 11:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 219144
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 40.9 25.2 37.8#

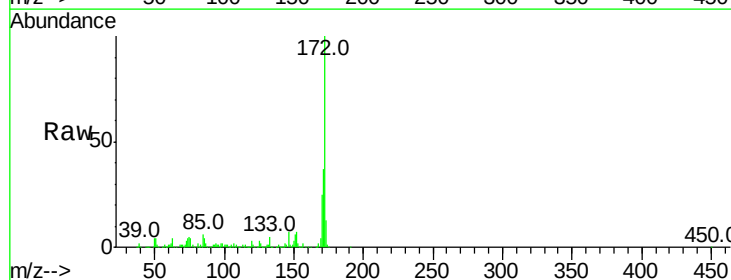


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

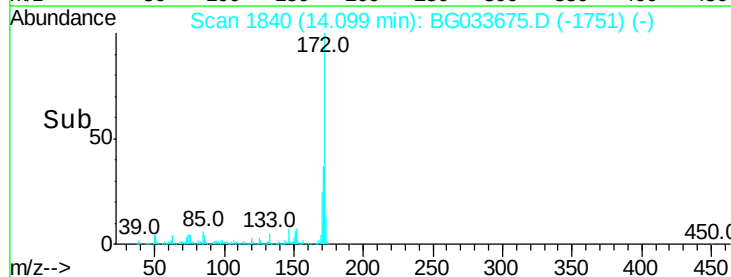
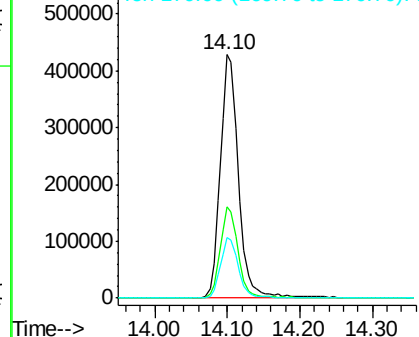


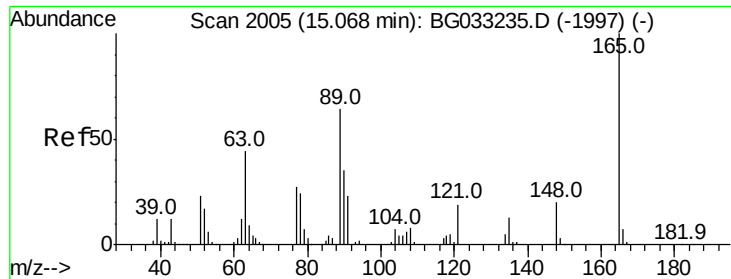
#44
 2-Fluorobiphenyl
 Concen: 88.216 ng
 RT: 14.10 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BG033675.D
 Acq: 9 Apr 2018 11:37

Tgt Ion:172 Resp: 748750
 Ion Ratio Lower Upper
 172 100
 171 37.4 30.0 45.0
 170 24.8 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

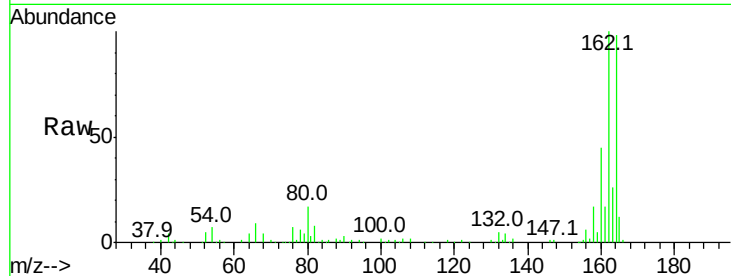




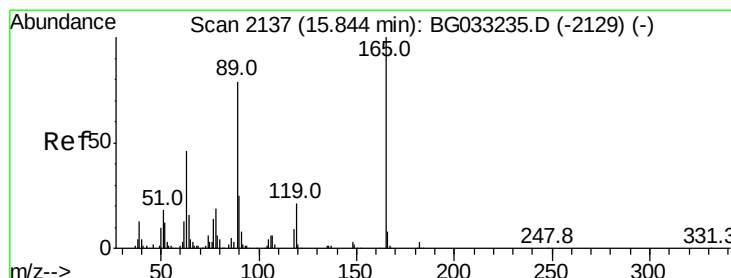
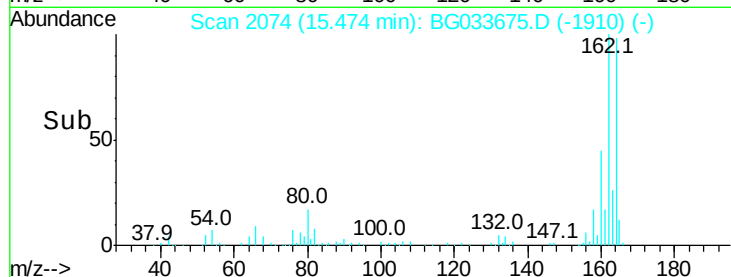
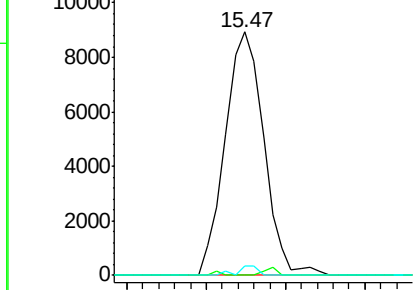
#50
2,6-Dinitrotoluene
Concen: 6.928 ng
RT: 15.47 min Scan# 2074
Delta R.T. 0.44 min
Lab File: BG033675.D
Acq: 9 Apr 2018 11:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 15106
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 4.1 49.2 73.8#

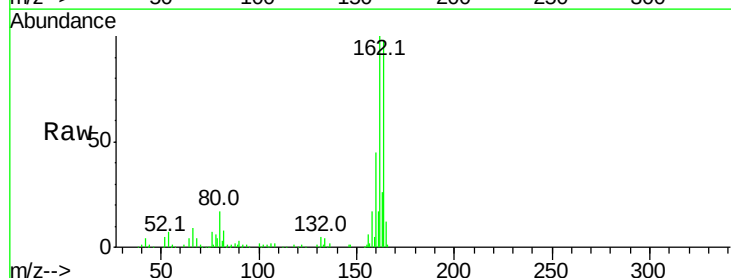


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

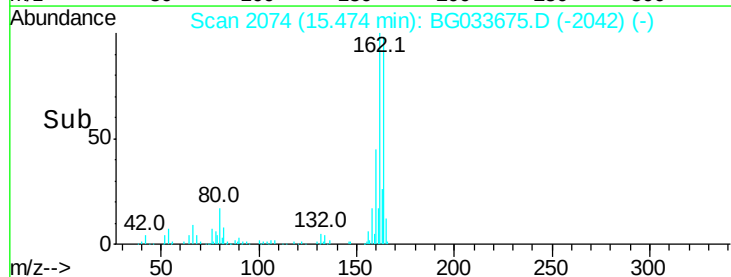
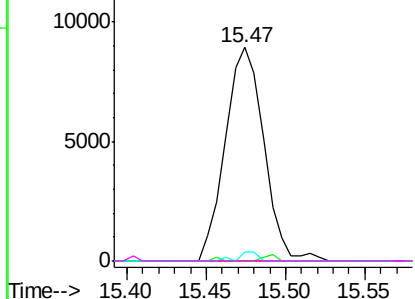


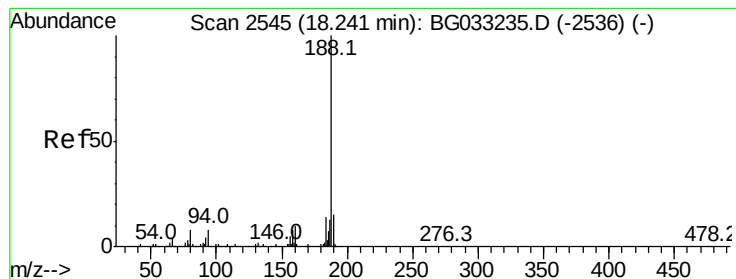
#56
2,4-Dinitrotoluene
Concen: 4.705 ng
RT: 15.47 min Scan# 2074
Delta R.T. -0.34 min
Lab File: BG033675.D
Acq: 9 Apr 2018 11:37

Tgt Ion:165 Resp: 15106
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 4.1 66.9 100.3#
182 0.0 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.21 min Scan# 2539

Delta R.T. -0.01 min

Lab File: BG033675.D

Acq: 9 Apr 2018 11:37

Instrument :

BNA_G

ClientSampled :

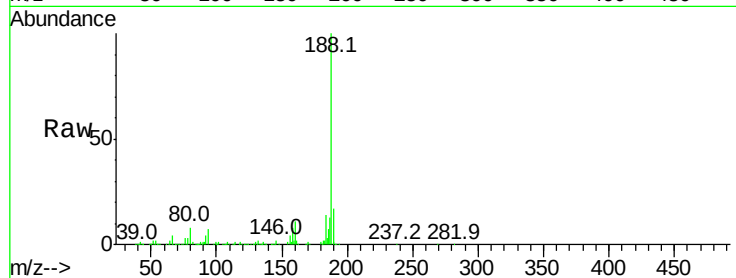
Tot Ion:188 Resp: 324341

Ion Ratio Lower Upper

188 100

94 7.2 6.9 10.3

80 8.3 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

250000

200000

150000

100000

50000

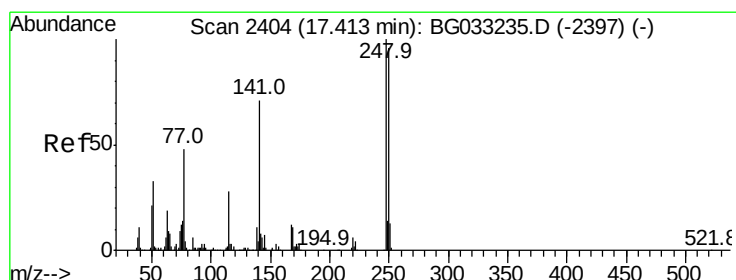
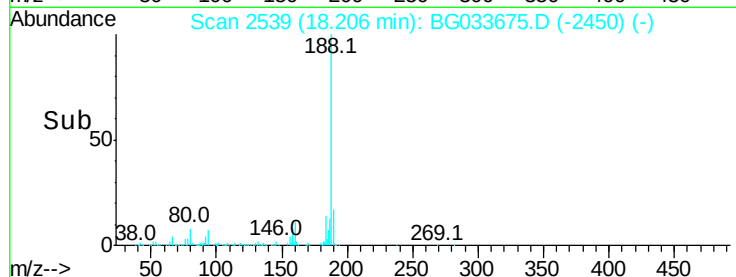
0

18.10

18.20

18.30

Time-->



#66

4-Bromophenyl-phenylether

Concen: 4.574 ng

RT: 16.95 min Scan# 2325

Delta R.T. -0.43 min

Lab File: BG033675.D

Acq: 9 Apr 2018 11:37

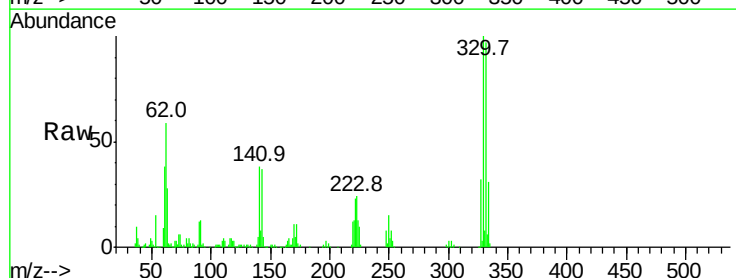
Tgt Ion:248 Resp: 17421

Ion Ratio Lower Upper

248 100

250 182.2 77.1 115.7#

141 463.0 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

60000

40000

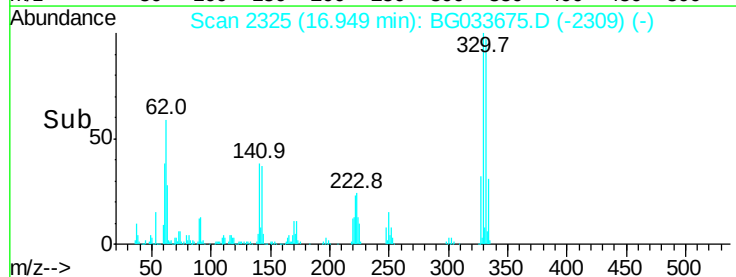
20000

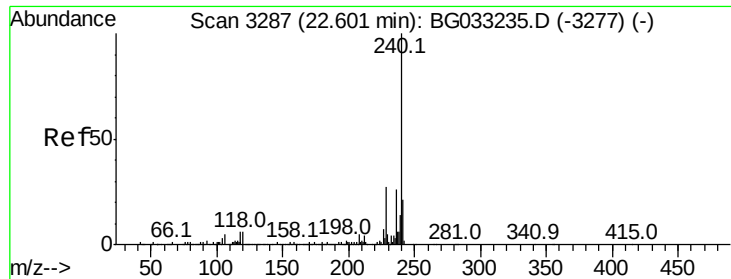
0

16.90

17.00

Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3278

Delta R.T. -0.01 min

Lab File: BG033675.D

Acq: 9 Apr 2018 11:37

Instrument :

BNA_G

ClientSampleId :

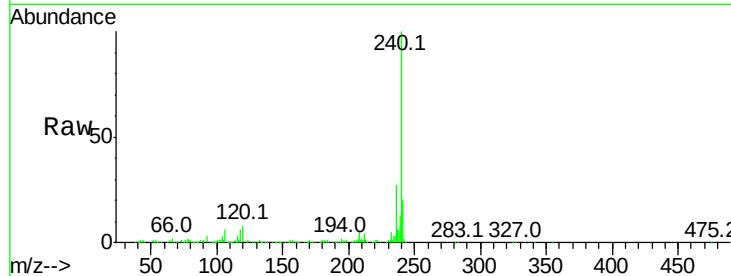
Tot Ion:240 Resp: 337654

Ion Ratio Lower Upper

240 100

120 7.6 6.8 10.2

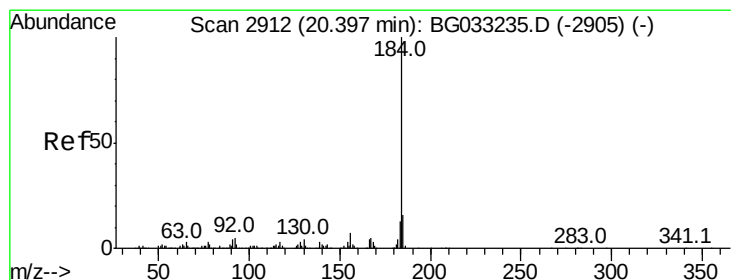
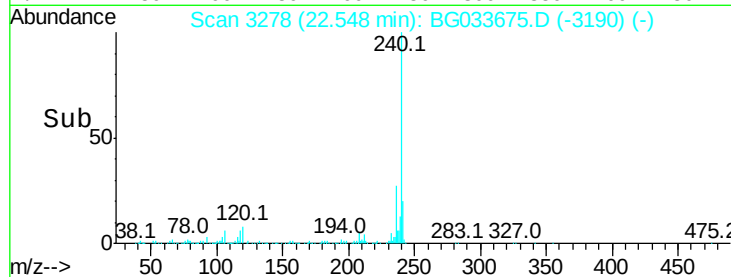
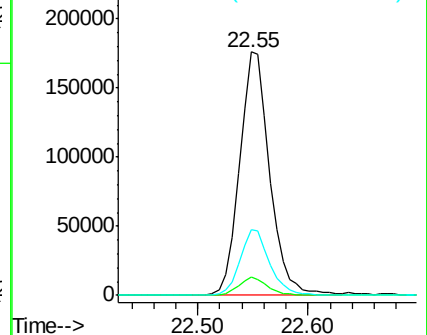
236 26.9 20.9 31.3



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: 2.818 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033675.D

Acq: 9 Apr 2018 11:37

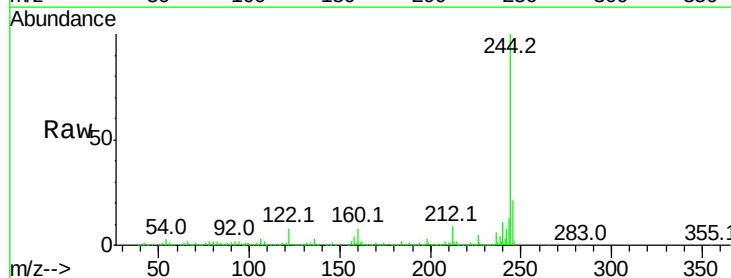
Tgt Ion:184 Resp: 25803

Ion Ratio Lower Upper

184 100

185 15.0 11.1 16.7

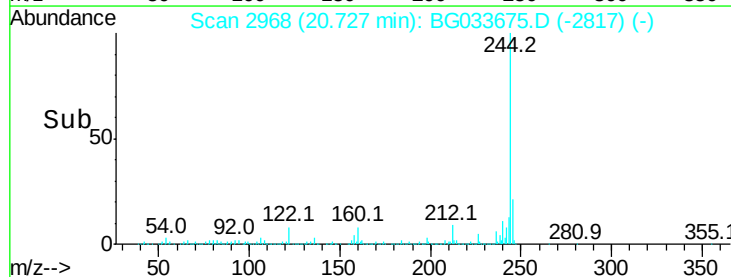
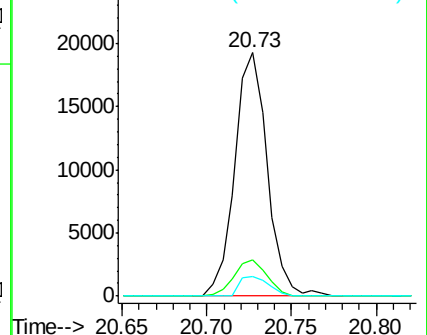
183 8.2 10.6 16.0#

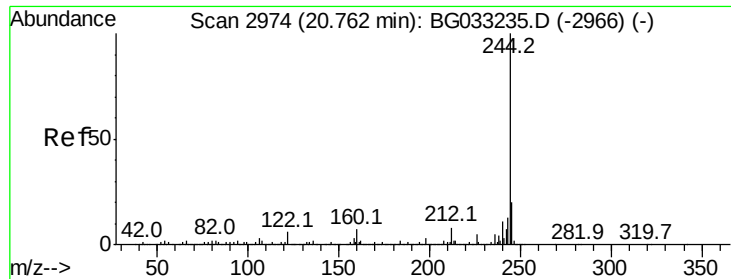


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 89.269 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BG033675.D

Acq: 9 Apr 2018 11:37

Instrument :

BNA_G

ClientSampleId :

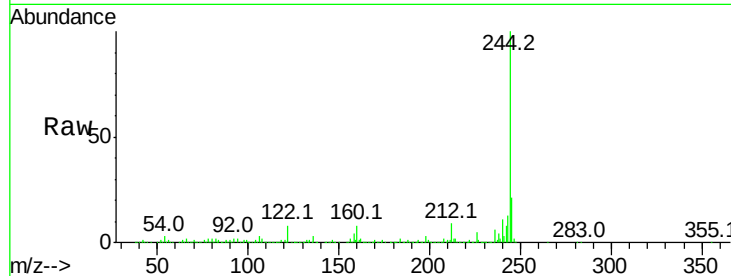
Tot Ion:244 Resp: 1409429

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

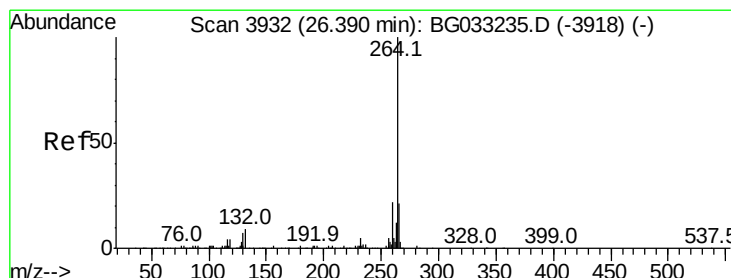
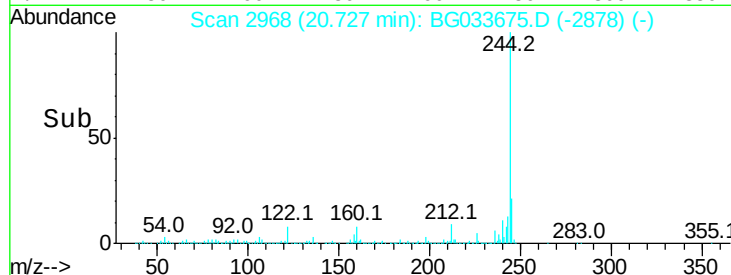
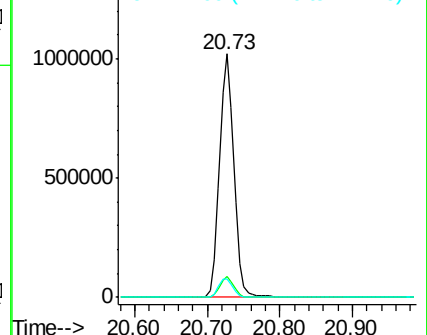
122 7.5 7.0 10.4



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: 26.31 min Scan# 3919

Delta R.T. -0.01 min

Lab File: BG033675.D

Acq: 9 Apr 2018 11:37

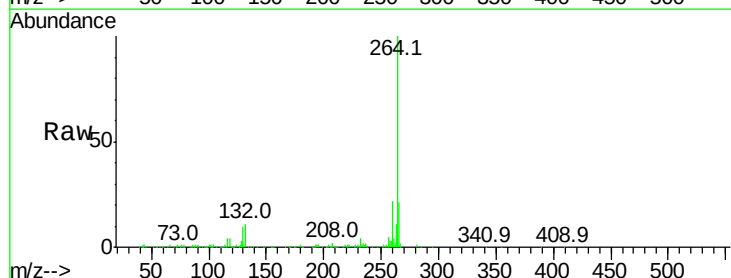
Tgt Ion:264 Resp: 353643

Ion Ratio Lower Upper

264 100

260 22.5 17.4 26.0

265 20.9 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

