

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040518\
 Data File : BG033613.D
 Acq On : 6 Apr 2018 4:21
 Operator : SJ/JU
 Sample : J2213-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 06 05:19:10 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

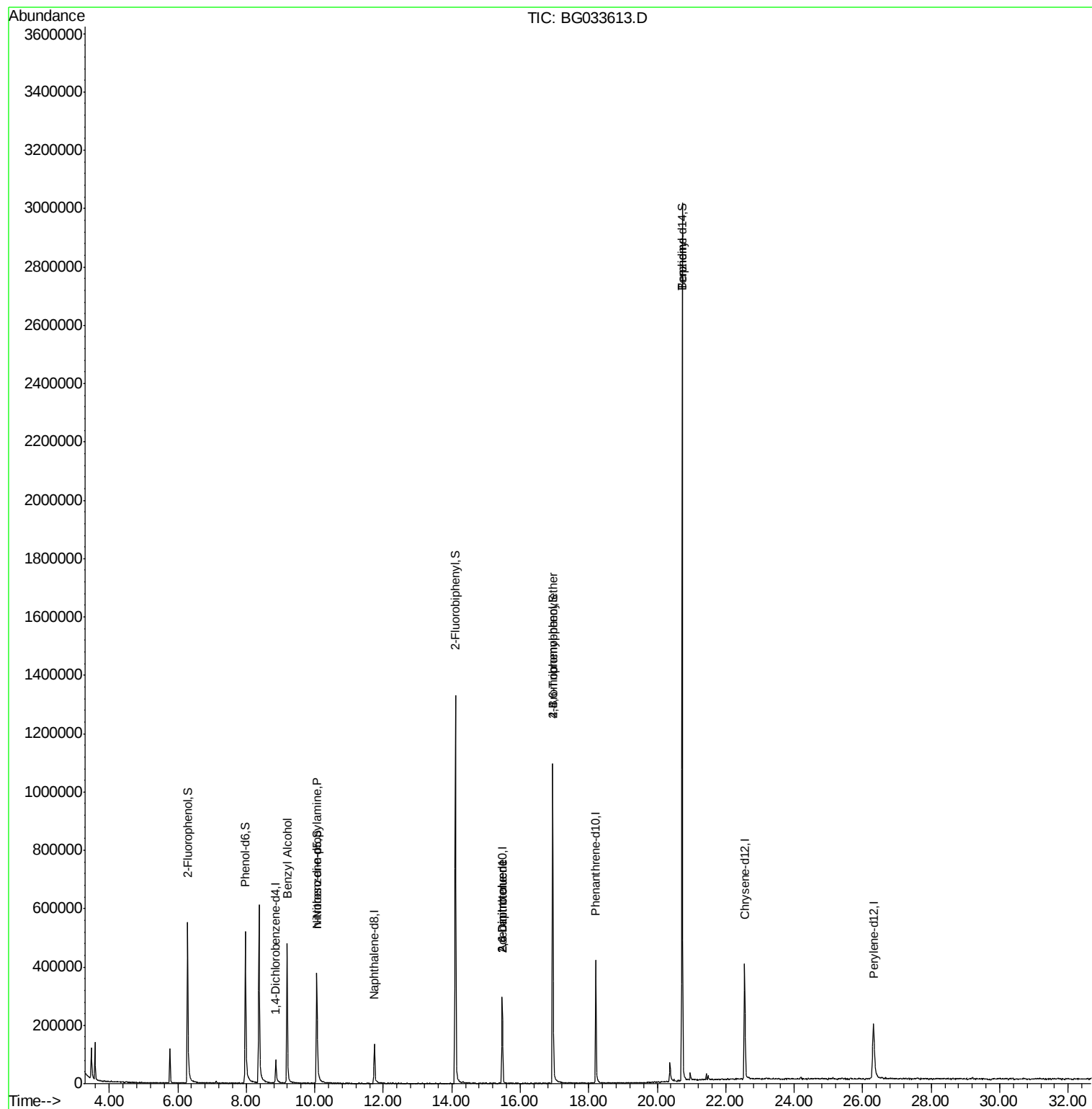
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	29722	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	135516	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	112656	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	296229	20.00	ng	0.00
75) Chrysene-d12	22.55	240	305971	20.00	ng	0.00
86) Perylene-d12	26.31	264	301695	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	266480	168.12	ng	0.00
7) Phenol-d6	7.97	99	377595	138.64	ng	0.00
23) Nitrobenzene-d5	10.06	82	299023	101.38	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	220247	130.72	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	736798	94.42	ng	0.00
78) Terphenyl-d14	20.73	244	1447025	101.14	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.19	79	5100	2.378	ng	# 39
19) n-Nitroso-di-n-propylamine	10.06	70	38070	19.076	ng	# 76
50) 2,6-Dinitrotoluene	15.47	165	13698	6.833	ng	# 18
56) 2,4-Dinitrotoluene	15.47	165	13698	4.641	ng	# 16
66) 4-Bromophenyl-phenylether	16.95	248	16863	4.847	ng	# 1
76) Benzidine	20.73	184	26080	3.143	ng	95

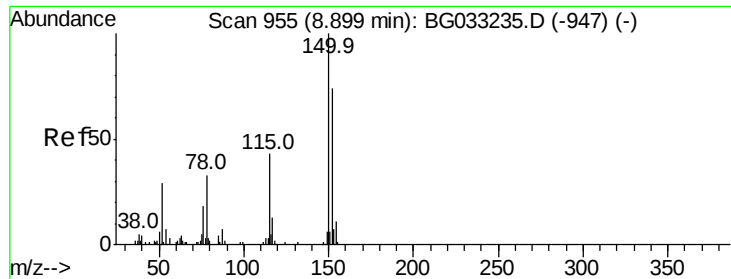
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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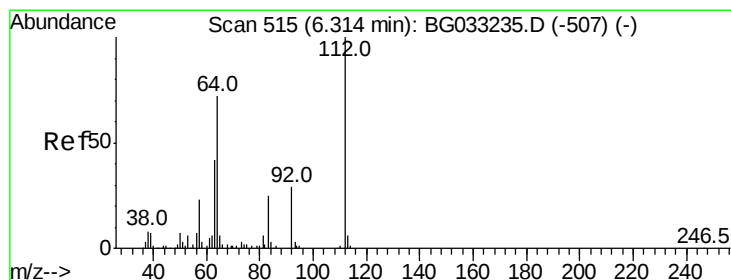
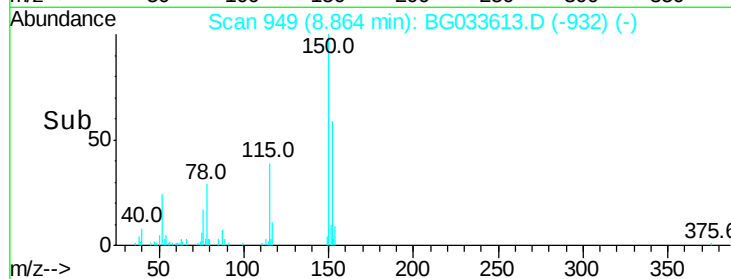
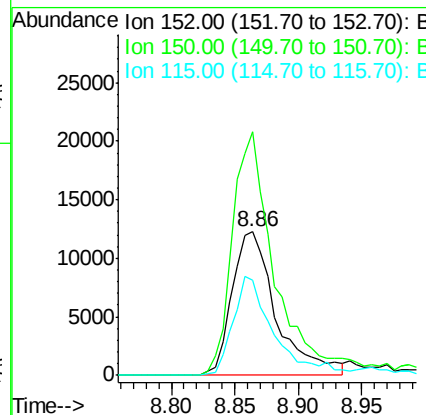
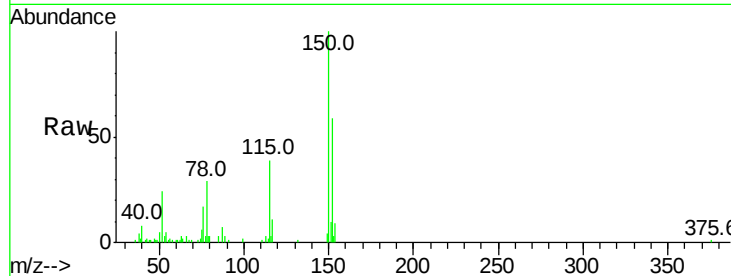


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 949
Delta R.T. 0.00 min
Lab File: BG033613.D
Acq: 6 Apr 2018 4:21

Instrument :
BNA_G
ClientSampleId :

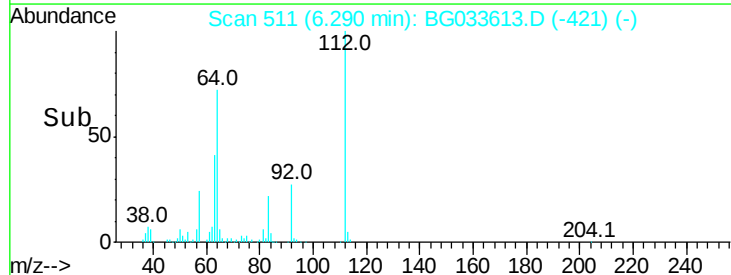
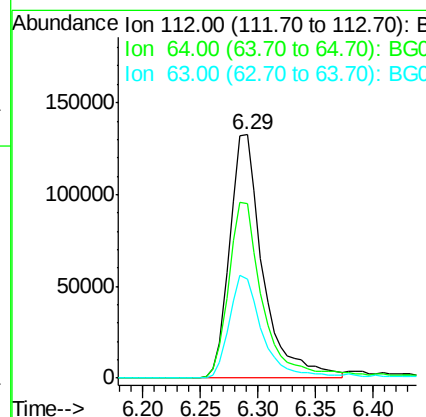
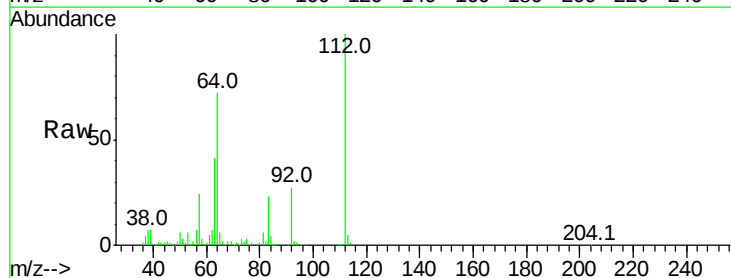
Tot Ion	Ratio	Lower	Upper
152	100		
150	169.6	126.6	189.8
115	66.6	53.0	79.4

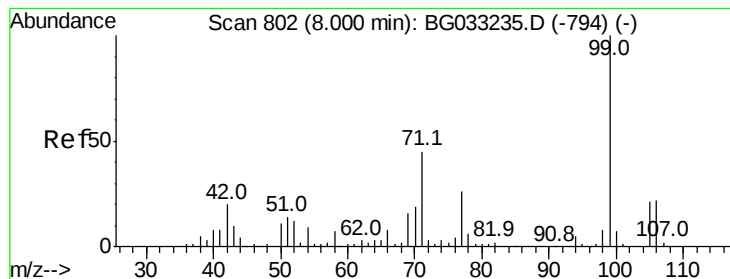


#5

2-Fluorophenol
Concen: 168.119 ng
RT: 6.29 min Scan# 511
Delta R.T. 0.00 min
Lab File: BG033613.D
Acq: 6 Apr 2018 4:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.5	56.3	84.5
63	40.7	30.1	45.1





#7

Phenol-d6

Concen: 138.644 ng

RT: 7.97 min Scan# 797

Delta R.T. 0.00 min

Lab File: BG033613.D

Acq: 6 Apr 2018 4:21

Instrument :

BNA_G

ClientSampleId :

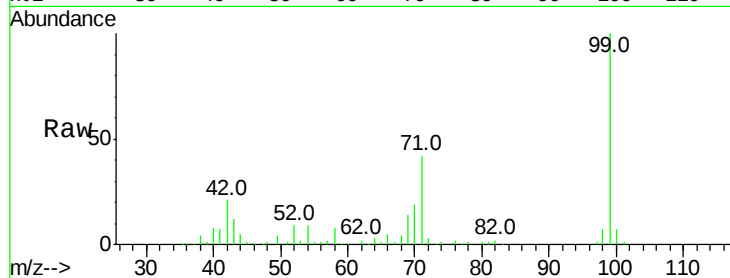
Tot Ion: 99 Resp: 377595

Ion Ratio Lower Upper

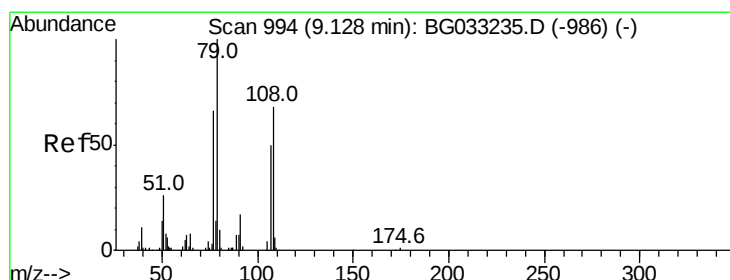
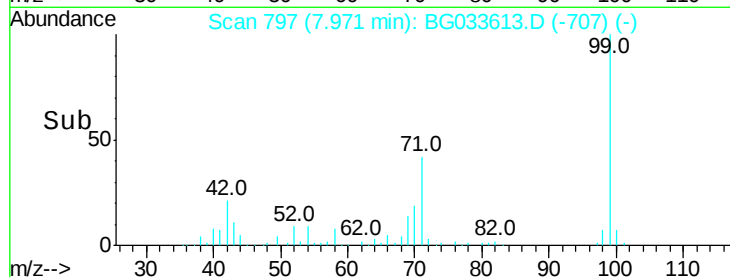
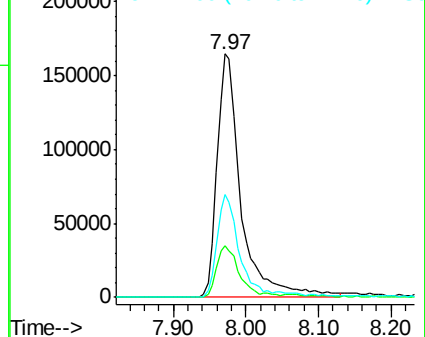
99 100

42 21.2 14.1 21.1#

71 42.3 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



#15

Benzyl Alcohol

Concen: 2.378 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.09 min

Lab File: BG033613.D

Acq: 6 Apr 2018 4:21

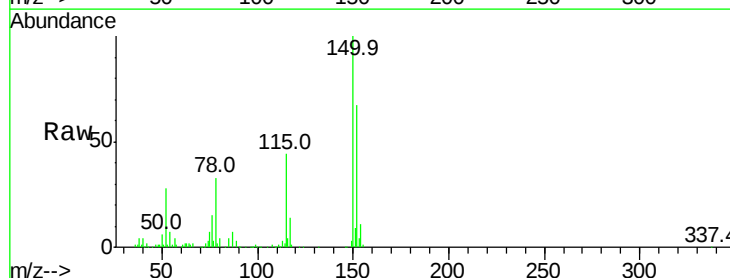
Tgt Ion: 79 Resp: 5100

Ion Ratio Lower Upper

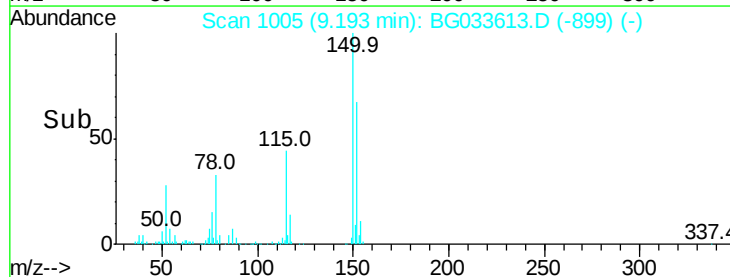
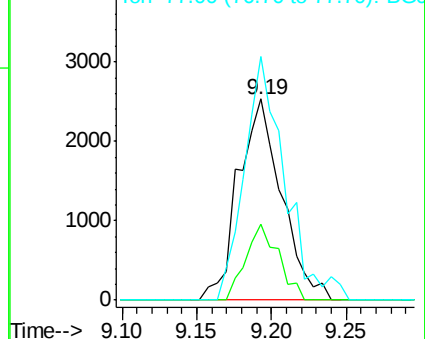
79 100

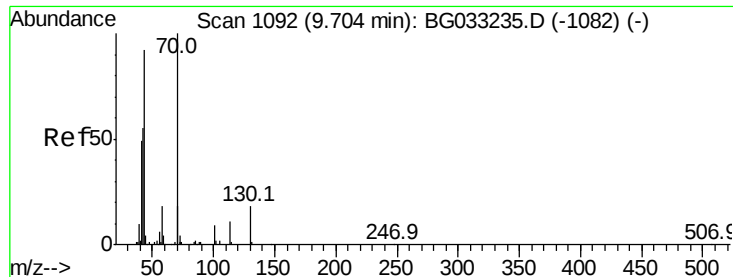
108 37.8 57.2 85.8#

77 121.0 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

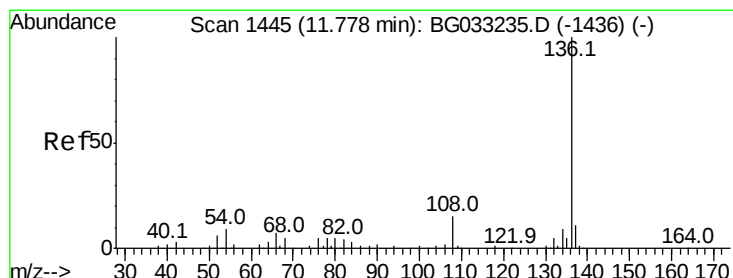
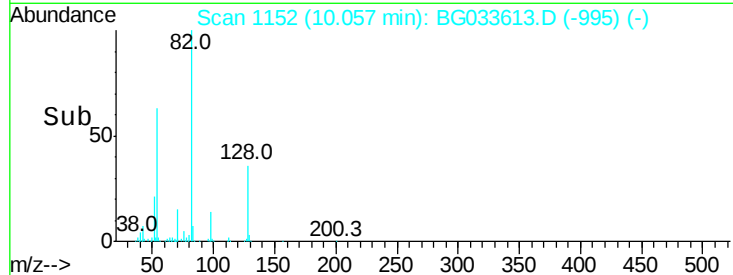
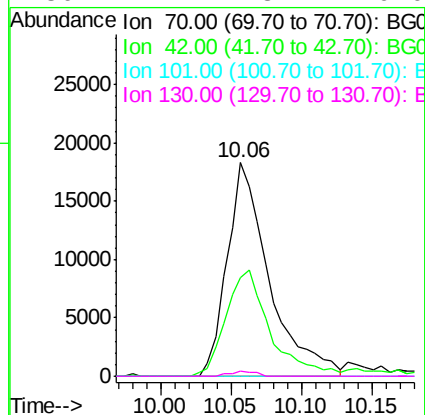
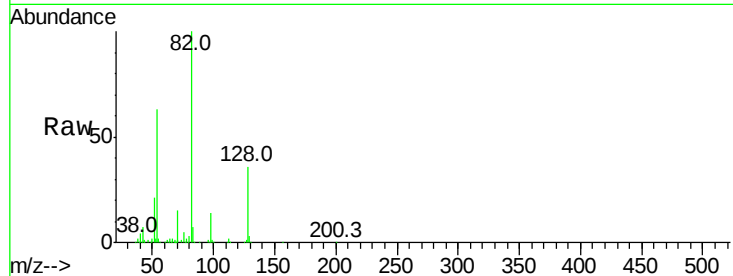




#19
n-Nitroso-di-n-propylamine
Concen: 19.076 ng
RT: 10.06 min Scan# 1152
Delta R.T. 0.39 min
Lab File: BG033613.D
Acq: 6 Apr 2018 4:21

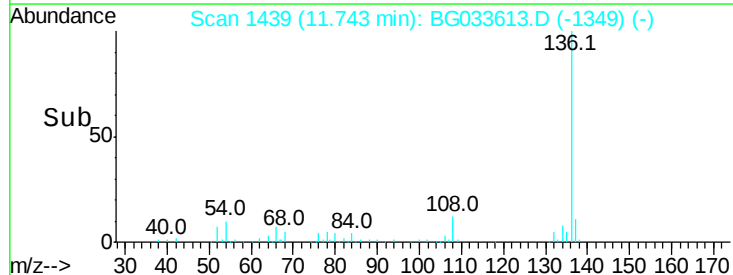
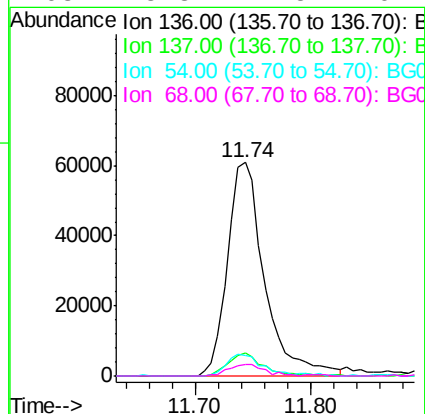
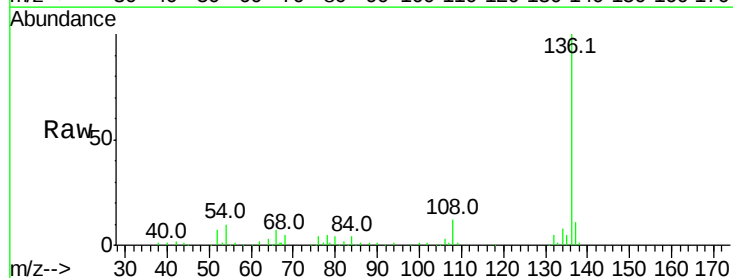
Instrument :
BNA_G
ClientSampled :

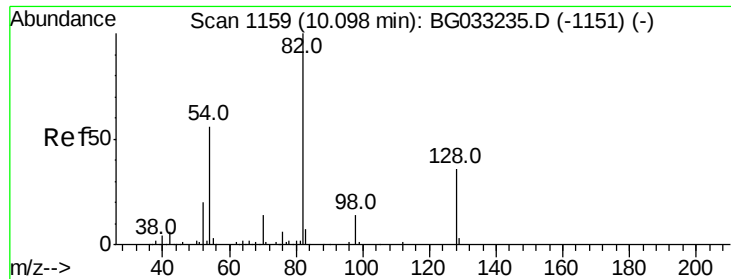
Tot Ion: 70 Resp: 38070
Ion Ratio Lower Upper
70 100
42 45.9 49.1 73.7#
101 0.0 8.5 12.7#
130 2.2 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BG033613.D
Acq: 6 Apr 2018 4:21

Tgt Ion: 136 Resp: 135516
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 9.6 10.3 15.5#
68 5.3 4.5 6.7

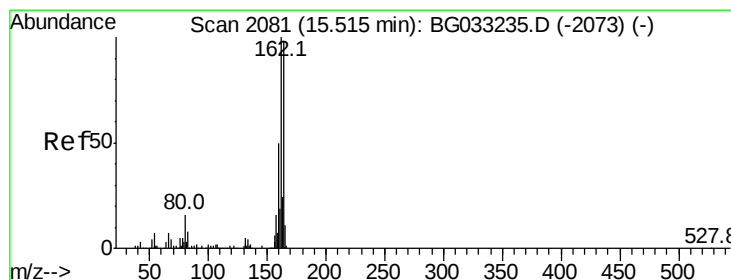
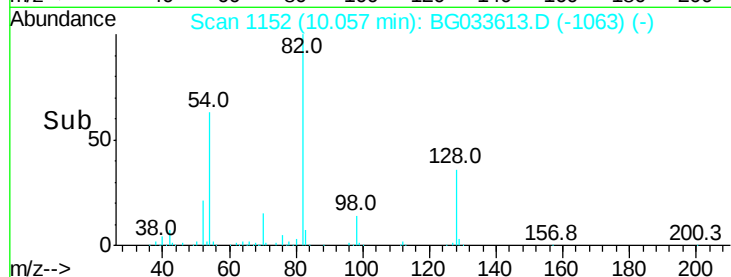
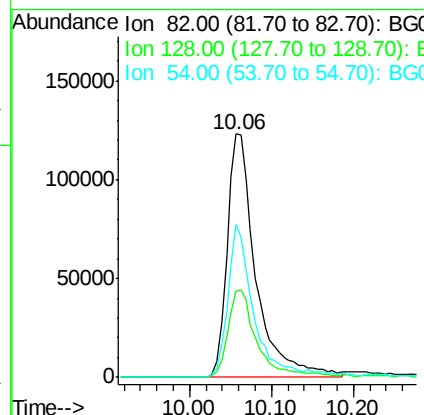
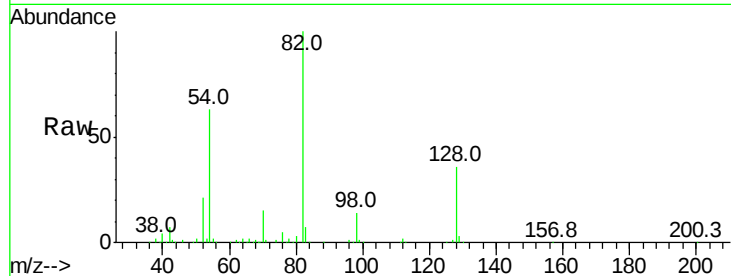




#23
 Nitrobenzene-d5
 Concen: 101.378 ng
 RT: 10.06 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: BG033613.D
 Acq: 6 Apr 2018 4:21

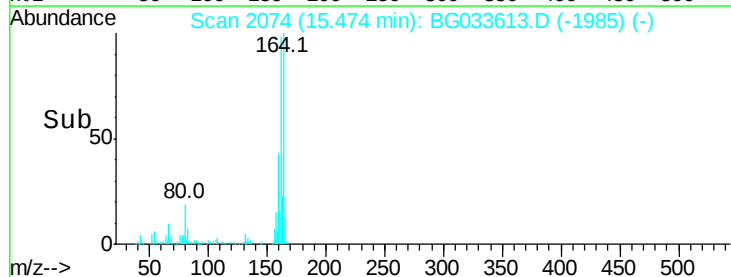
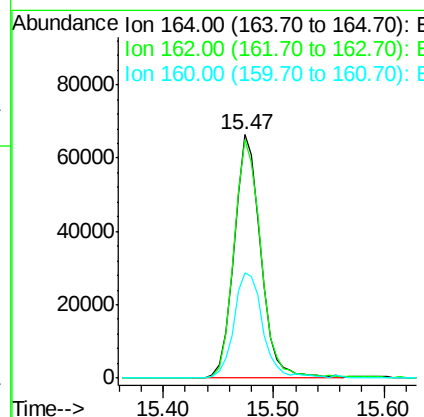
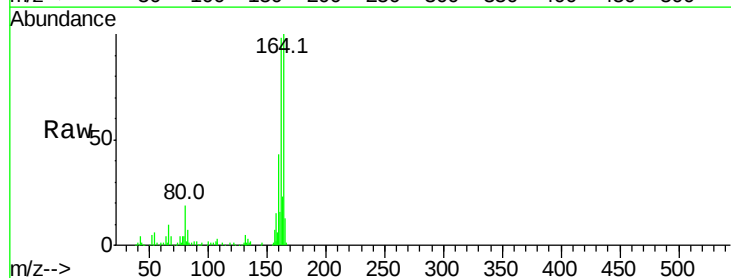
Instrument :
 BNA_G
 ClientSampleId :

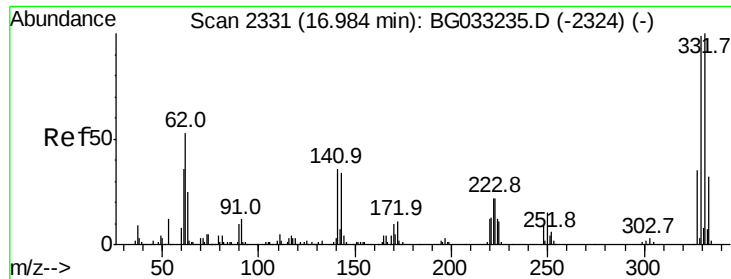
Tot Ion	82	Resp	299023
Ion	Ratio	Lower	Upper
82	100		
128	35.5	29.7	44.5
54	62.8	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2074
 Delta R.T. -0.01 min
 Lab File: BG033613.D
 Acq: 6 Apr 2018 4:21

Tgt Ion	164	Resp	112656
Ion	Ratio	Lower	Upper
164	100		
162	97.8	78.8	118.2
160	43.1	35.4	53.0

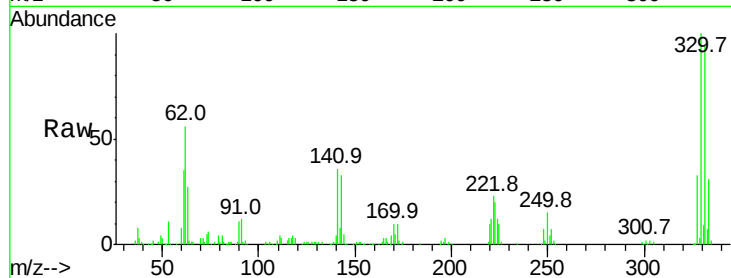




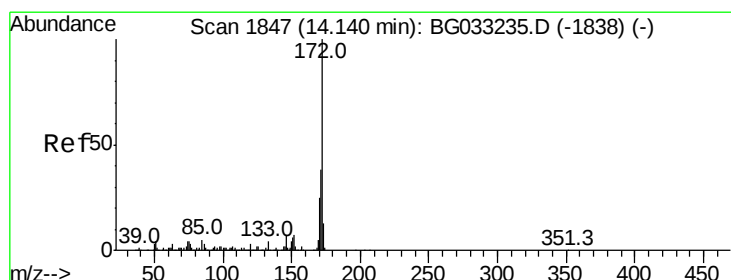
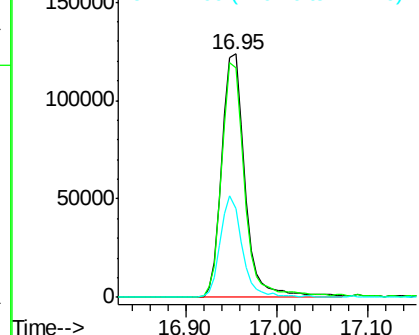
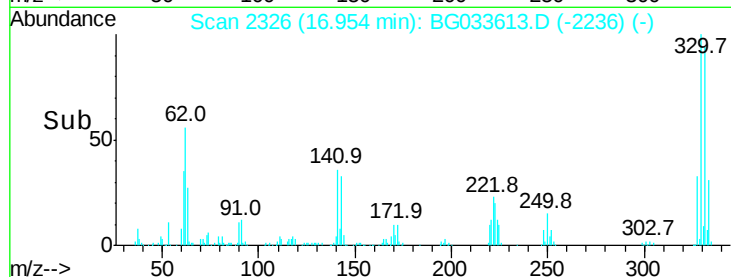
#41
 2,4,6-Tribromophenol
 Concen: 130.718 ng
 RT: 16.95 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: BG033613.D
 Acq: 6 Apr 2018 4:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 220247
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 39.6 25.2 37.8#

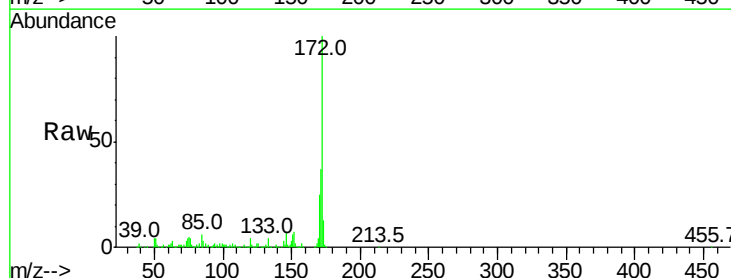


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

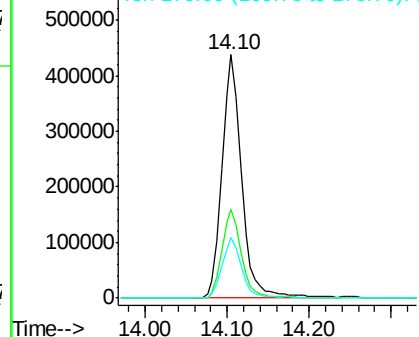
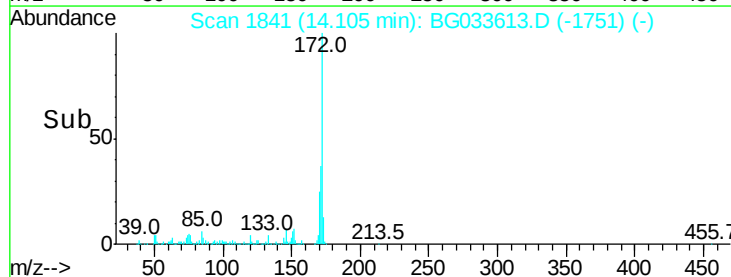


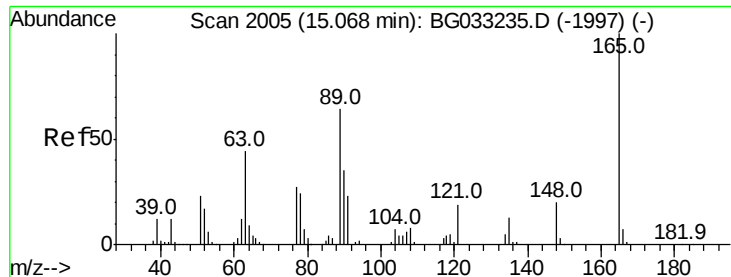
#44
 2-Fluorobiphenyl
 Concen: 94.417 ng
 RT: 14.10 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BG033613.D
 Acq: 6 Apr 2018 4:21

Tgt Ion:172 Resp: 736798
 Ion Ratio Lower Upper
 172 100
 171 36.5 30.0 45.0
 170 24.9 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

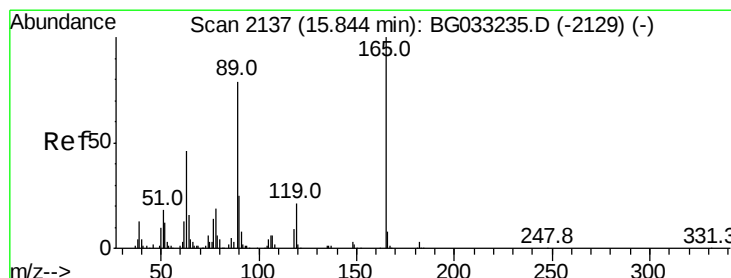
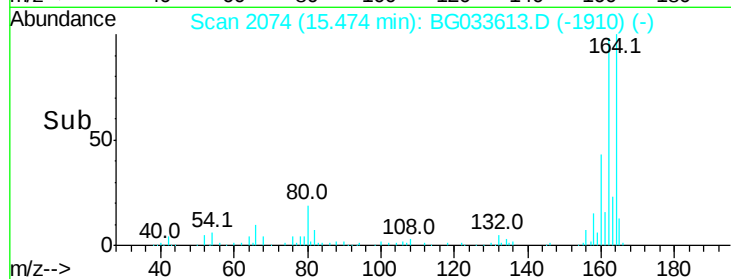
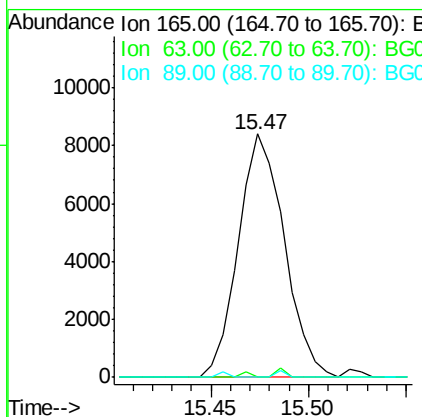
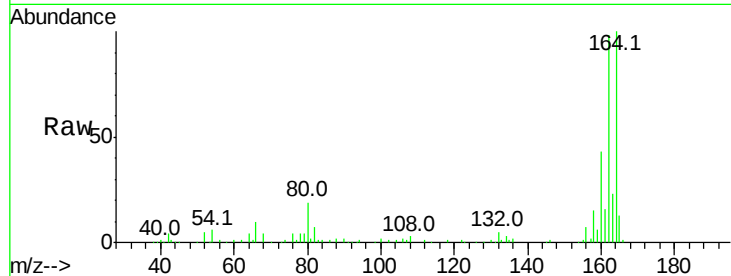




#50
 2,6-Dinitrotoluene
 Concen: 6.833 ng
 RT: 15.47 min Scan# 2074
 Delta R.T. 0.44 min
 Lab File: BG033613.D
 Acq: 6 Apr 2018 4:21

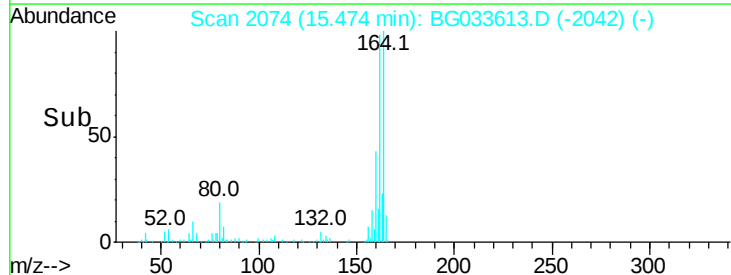
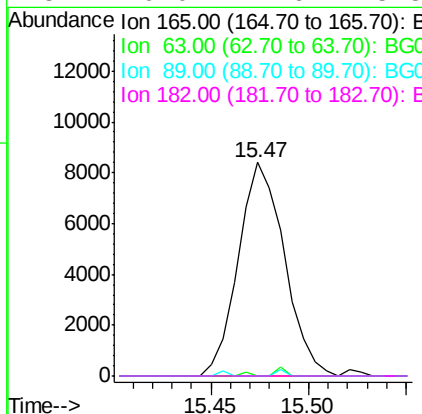
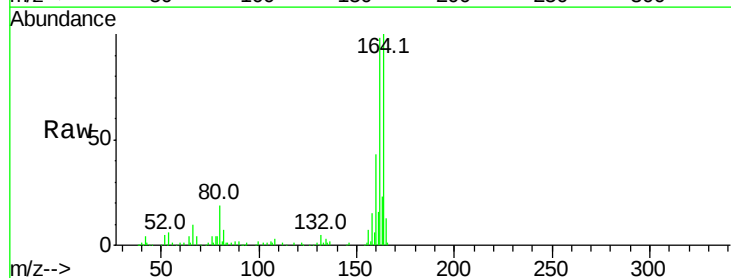
Instrument :
 BNA_G
 ClientSampleId :

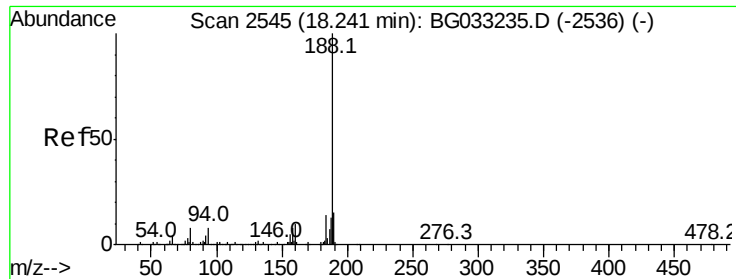
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.641 ng
 RT: 15.47 min Scan# 2074
 Delta R.T. -0.34 min
 Lab File: BG033613.D
 Acq: 6 Apr 2018 4:21

Tgt 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: 18.21 min Scan# 2539

Delta R.T. -0.01 min

Lab File: BG033613.D

Acq: 6 Apr 2018 4:21

Instrument :

BNA_G

ClientSampleId :

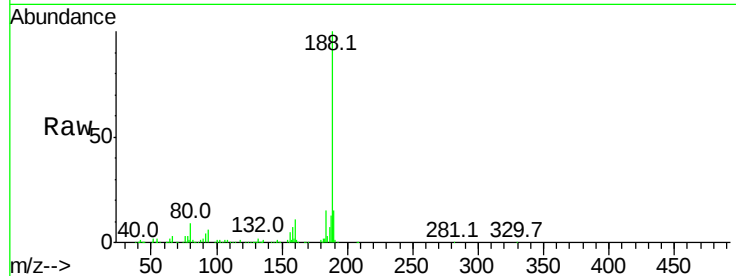
Tot Ion:188 Resp: 296229

Ion Ratio Lower Upper

188 100

94 6.1 6.9 10.3#

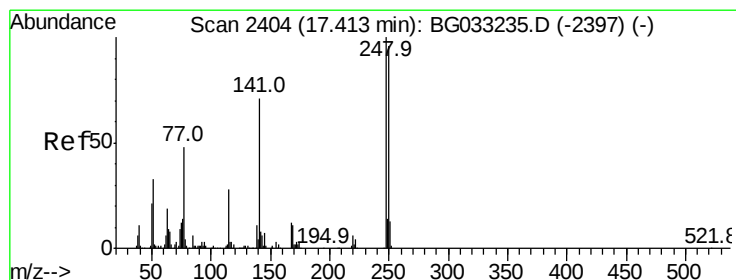
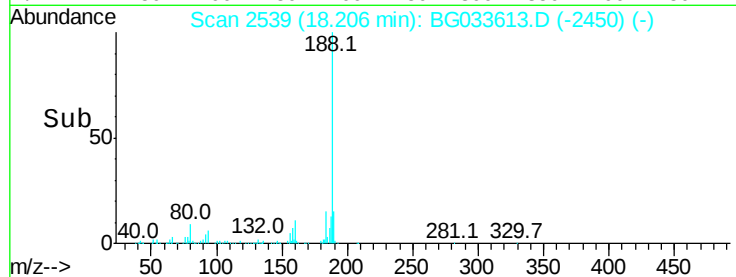
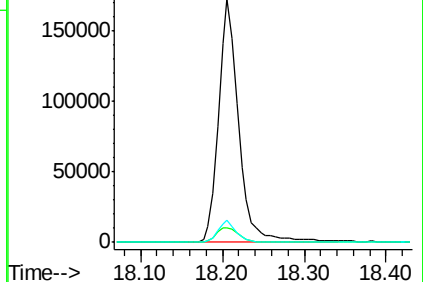
80 8.9 7.7 11.5



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



#66

4-Bromophenyl-phenylether

Concen: 4.847 ng

RT: 16.95 min Scan# 2325

Delta R.T. -0.43 min

Lab File: BG033613.D

Acq: 6 Apr 2018 4:21

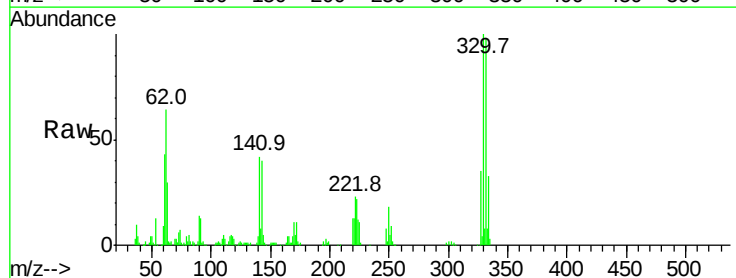
Tgt Ion:248 Resp: 16863

Ion Ratio Lower Upper

248 100

250 218.0 77.1 115.7#

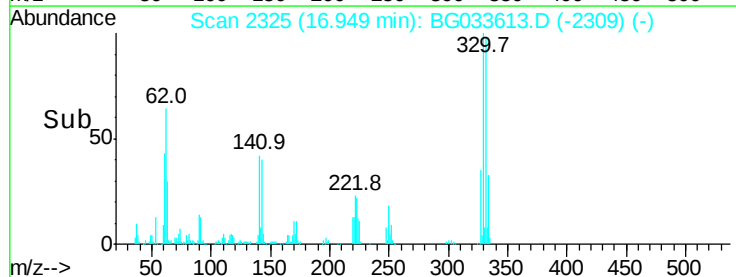
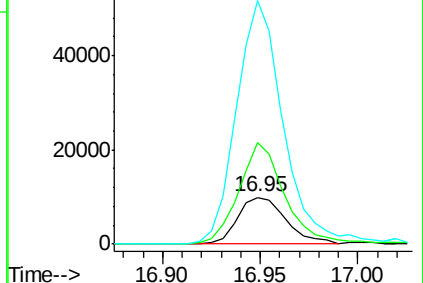
141 523.9 50.8 76.2#

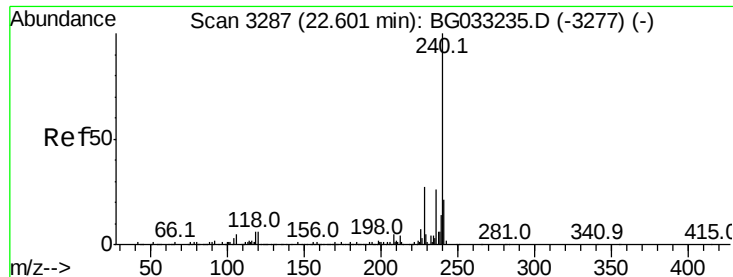


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.55 min Scan# 3279

Delta R.T. -0.01 min

Lab File: BG033613.D

Acq: 6 Apr 2018 4:21

Instrument :

BNA_G

ClientSampleId :

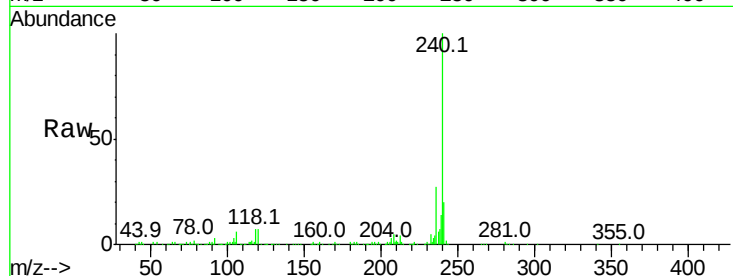
Tot Ion:240 Resp: 305971

Ion Ratio Lower Upper

240 100

120 7.0 6.8 10.2

236 27.0 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

200000

150000

100000

50000

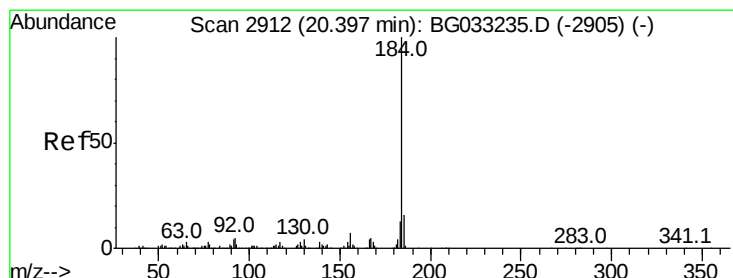
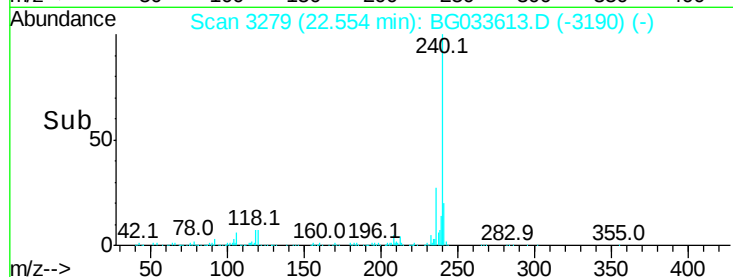
0

22.55

22.60

22.70

Time-->



#76

Benzidine

Concen: 3.143 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033613.D

Acq: 6 Apr 2018 4:21

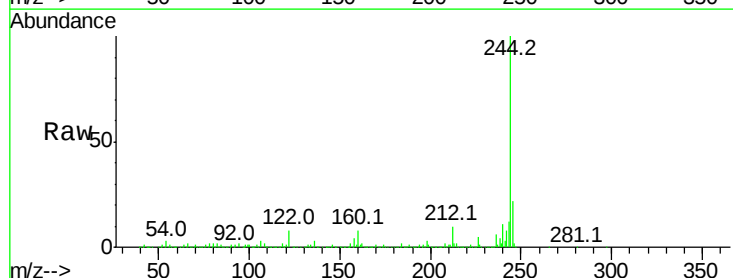
Tgt Ion:184 Resp: 26080

Ion Ratio Lower Upper

184 100

185 15.1 11.1 16.7

183 10.8 10.6 16.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

25000

20000

15000

10000

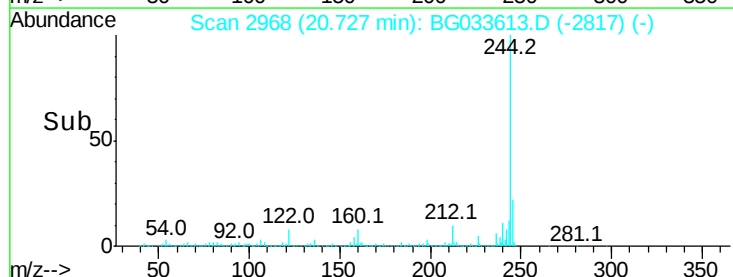
5000

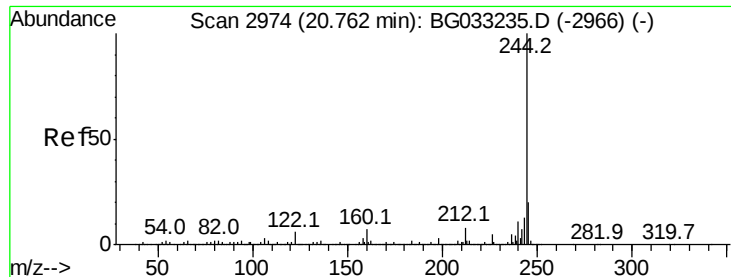
0

20.73

20.80

Time-->





#78

Terphenyl-d14

Concen: 101.141 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BG033613.D

Acq: 6 Apr 2018 4:21

Instrument :

BNA_G

ClientSampleId :

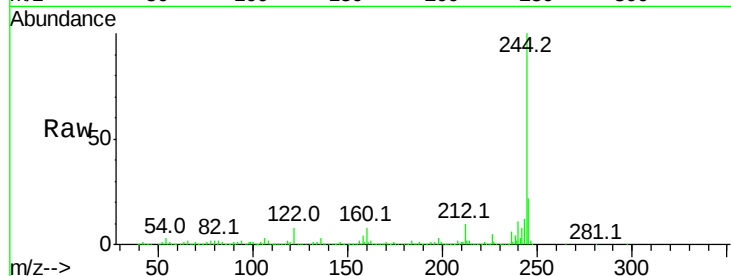
Tot Ion:244 Resp: 1447025

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

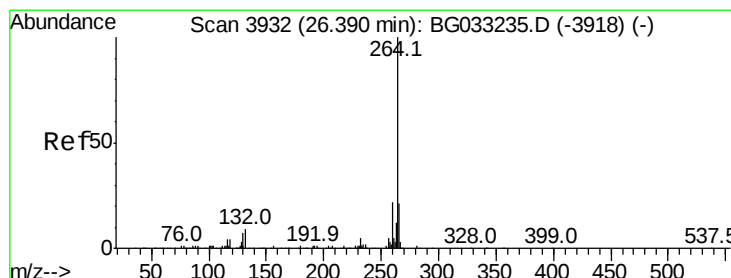
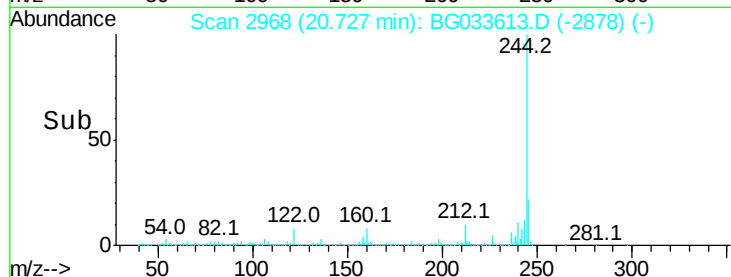
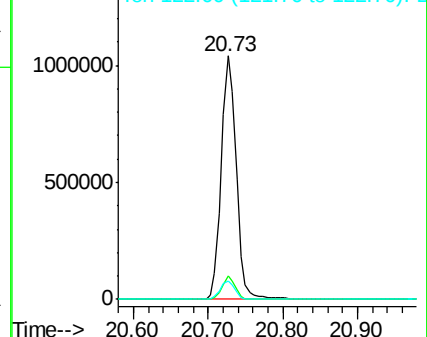
122 7.6 7.0 10.4



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: BG033613.D

Acq: 6 Apr 2018 4:21

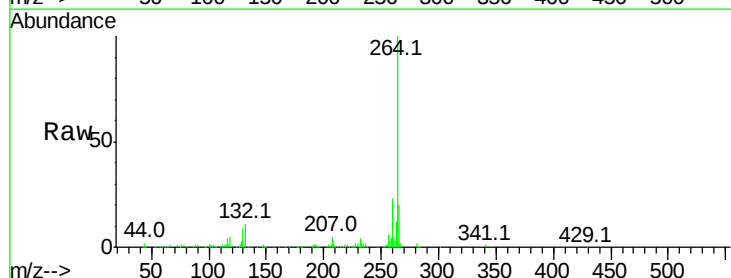
Tgt Ion:264 Resp: 301695

Ion Ratio Lower Upper

264 100

260 22.8 17.4 26.0

265 19.7 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

