

Data Path : U:\HPCHEM1\BNA G\DATA\BG011618\
 Data File : BG032082.D
 Acq On : 16 Jan 2018 23:00
 Operator : SJ/JU
 Sample : J1122-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 17 00:59:33 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 15 10:05:15 2018
 Response via : Initial Calibration

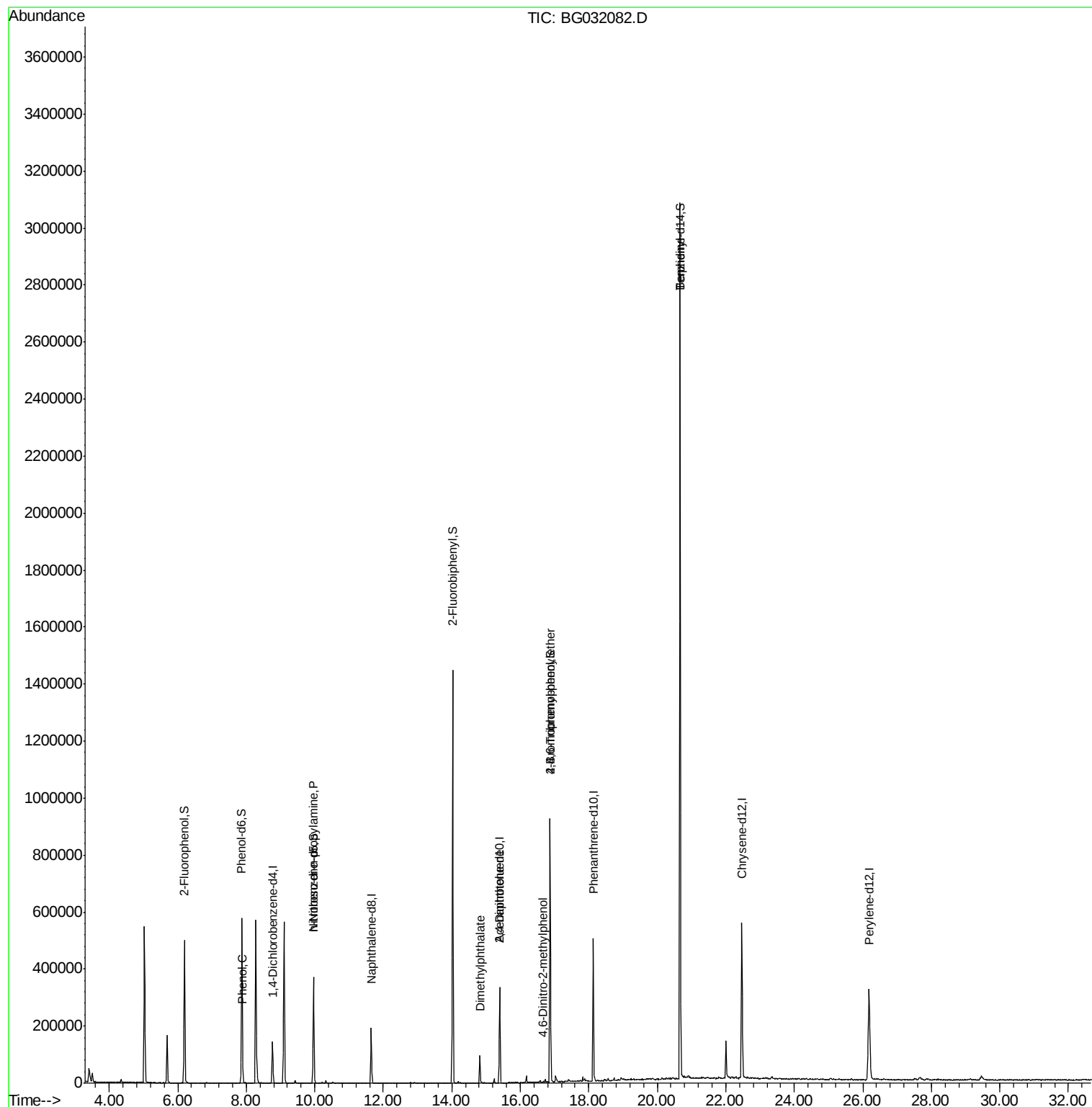
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.77	152	49464	20.00	ng	0.00
21) Naphthalene-d8	11.65	136	191749	20.00	ng	-0.01
38) Acenaphthene-d10	15.40	164	128085	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	340491	20.00	ng	-0.01
75) Chrysene-d12	22.47	240	425426	20.00	ng	-0.01
86) Perylene-d12	26.18	264	452364	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.20	112	264310	97.73	ng	0.00
7) Phenol-d6	7.87	99	373548	109.67	ng	0.00
23) Nitrobenzene-d5	9.96	82	241331	85.15	ng	-0.01
41) 2,4,6-Tribromophenol	16.87	330	198833	93.81	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	854725	82.74	ng	0.00
78) Terphenyl-d14	20.67	244	1623336	84.25	ng	0.00
Target Compounds						
10) Phenol	7.90	94	8405	2.505	ng	86
19) n-Nitroso-di-n-propylamine	9.96	70	32616	15.433	ng	# 69
49) Dimethylphthalate	14.82	163	71902	6.415	ng	98
56) 2,4-Dinitrotoluene	15.40	165	16841	5.377	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.67	198	53	4.906	ng	# 29
66) 4-Bromophenyl-phenylether	16.87	248	16362	3.377	ng	# 1
76) Benzidine	20.67	184	22429	2.108	ng	# 93

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

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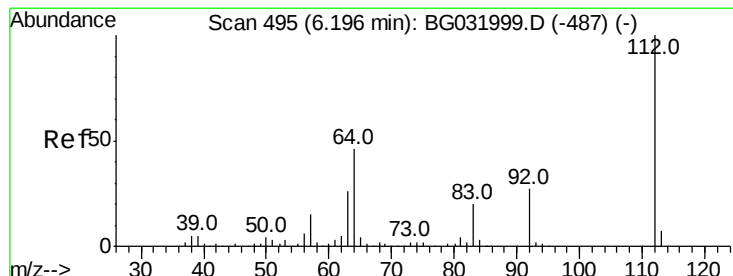
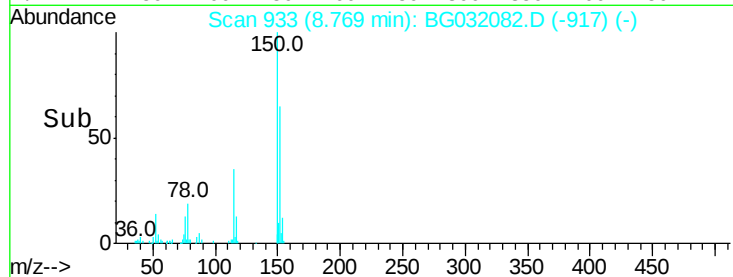
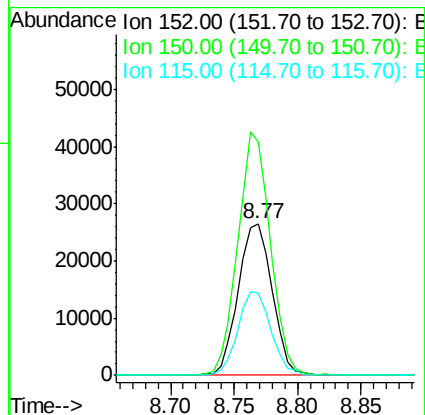
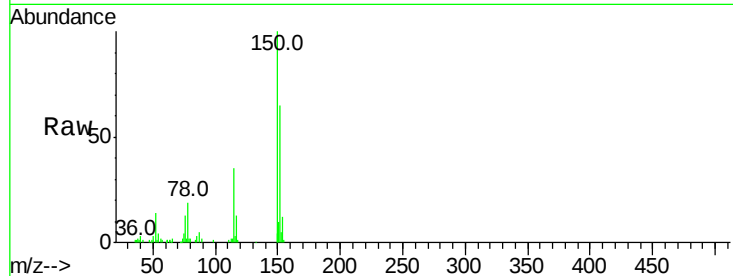


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.77 min Scan# 933
Delta R.T. -0.01 min
Lab File: BG032082.D
Acq: 16 Jan 2018 23:00

Instrument :
BNA_G
ClientSampleId :

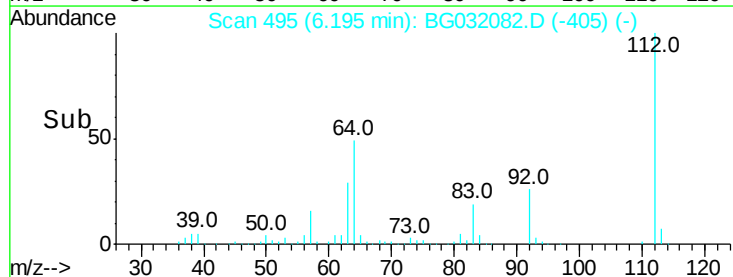
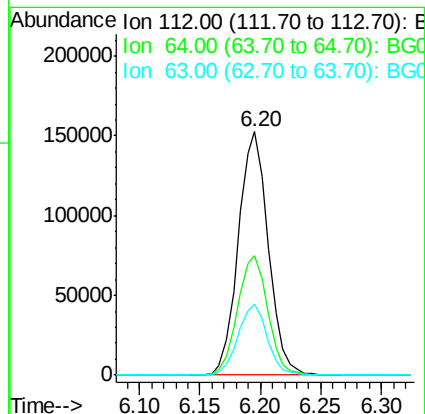
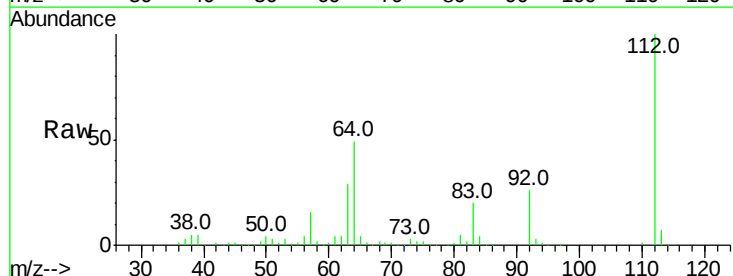
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	126.6	189.8
115	54.2	53.0	79.4

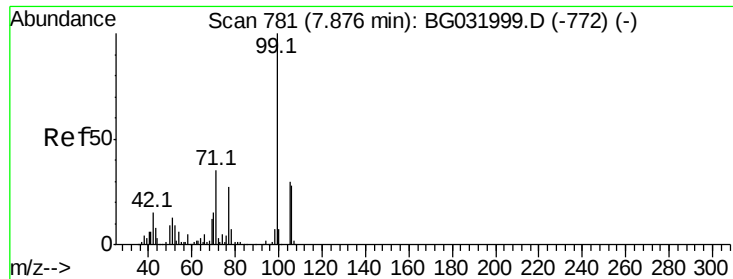


#5

2-Fluorophenol
Concen: 97.729 ng
RT: 6.20 min Scan# 495
Delta R.T. -0.00 min
Lab File: BG032082.D
Acq: 16 Jan 2018 23:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.9	56.3	84.5#
63	29.2	30.1	45.1#





#7

Phenol-d6

Concen: 109.668 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.01 min

Lab File: BG032082.D

Acq: 16 Jan 2018 23:00

Instrument :

BNA_G

ClientSampleId :

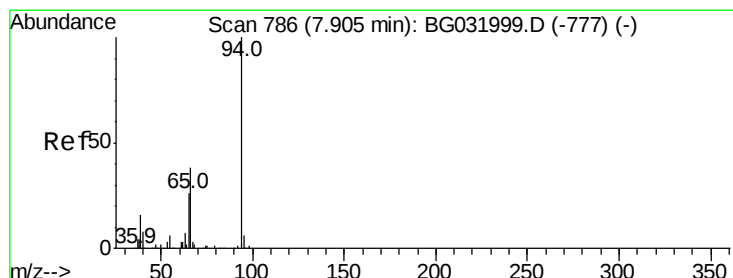
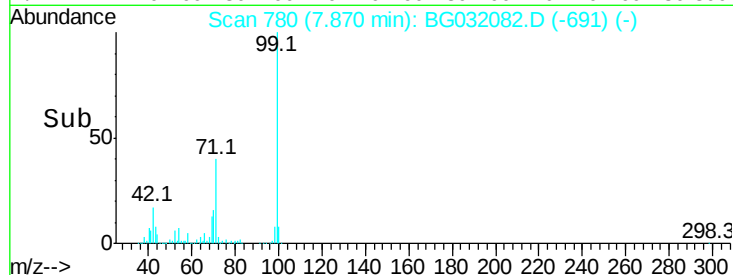
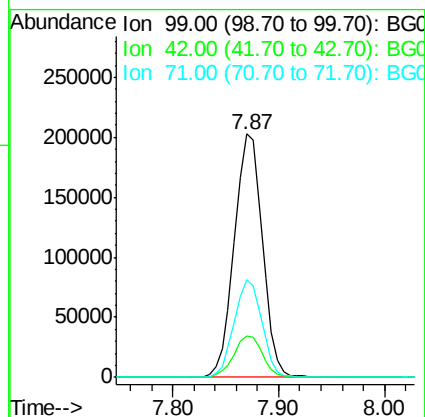
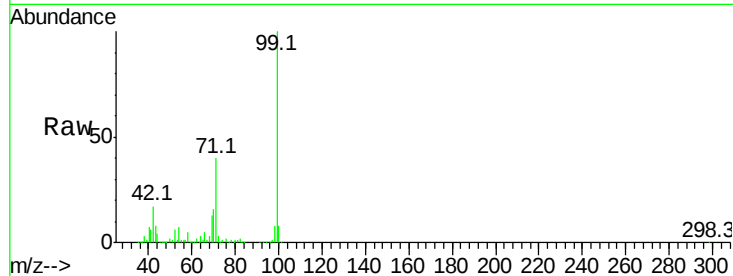
Tot Ion: 99 Resp: 373548

Ion Ratio Lower Upper

99 100

42 17.2 14.1 21.1

71 39.9 26.1 39.1#



#10

Phenol

Concen: 2.505 ng

RT: 7.90 min Scan# 785

Delta R.T. -0.01 min

Lab File: BG032082.D

Acq: 16 Jan 2018 23:00

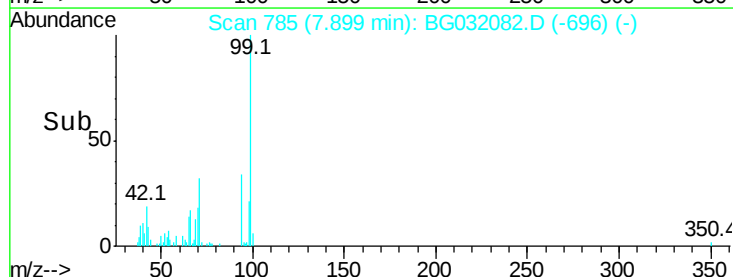
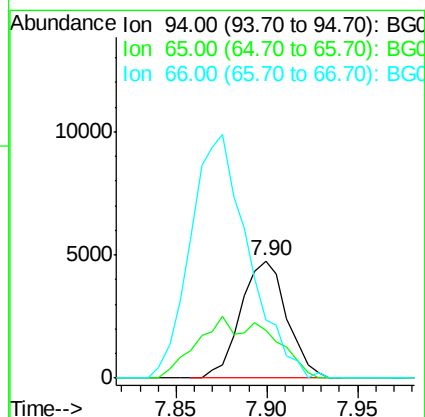
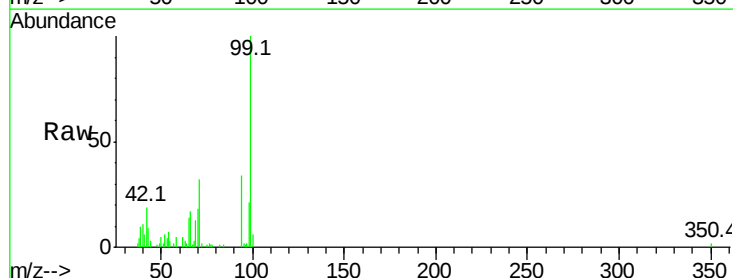
Tgt Ion: 94 Resp: 8405

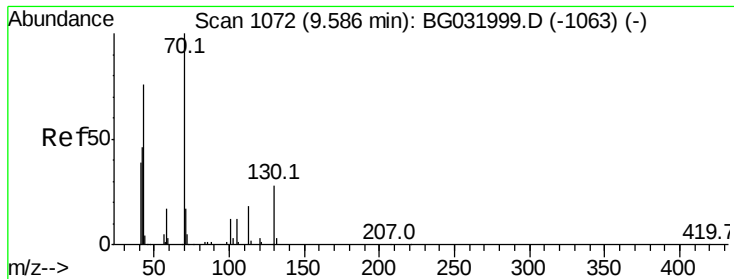
Ion Ratio Lower Upper

94 100

65 40.5 11.9 51.9

66 50.0 22.2 62.2

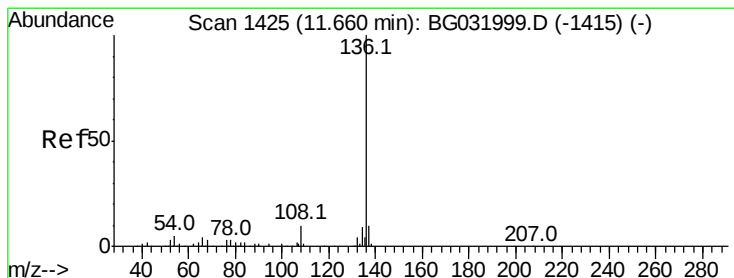
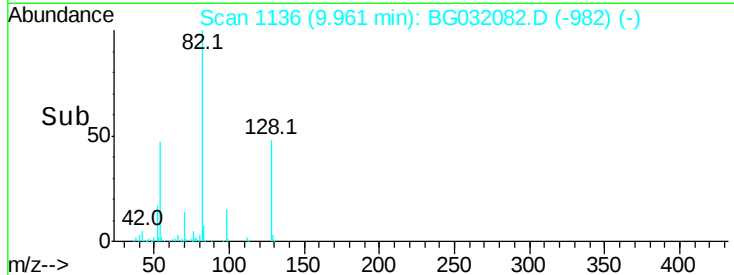
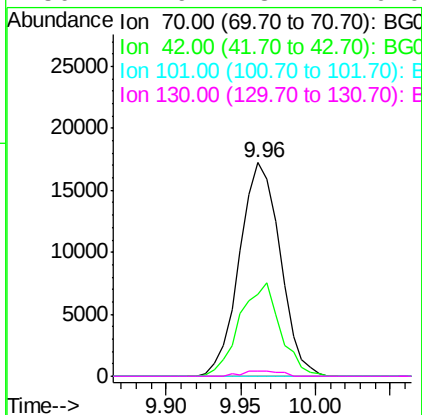
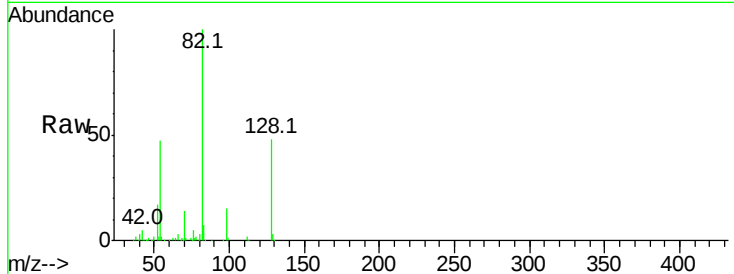




#19
n-Nitroso-di-n-propylamine
Concen: 15.433 ng
RT: 9.96 min Scan# 1136
Delta R.T. 0.38 min
Lab File: BG032082.D
Acq: 16 Jan 2018 23:00

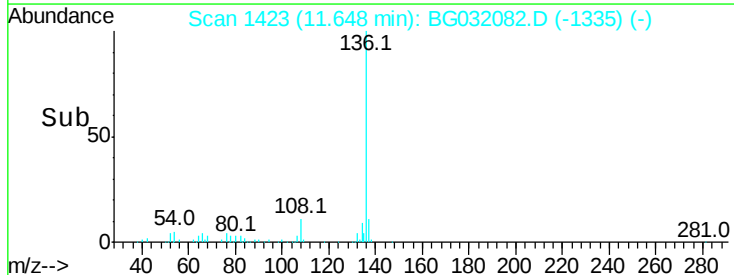
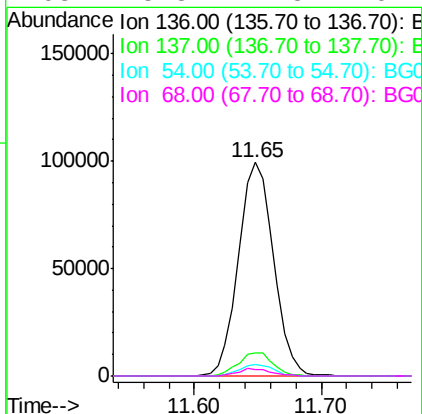
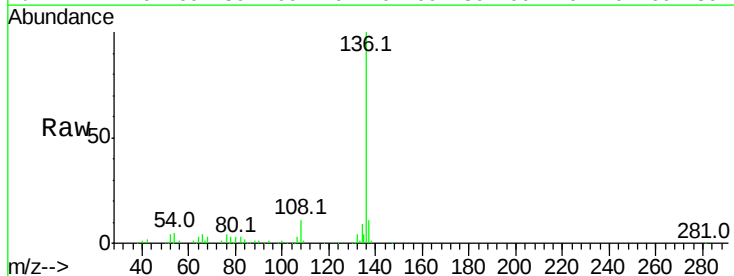
Instrument :
BNA_G
ClientSampleId :

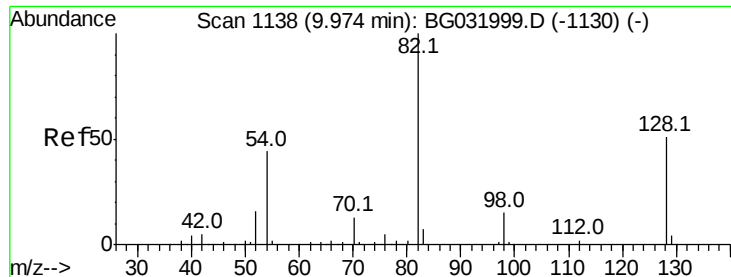
Tot Ion	Ratio	Lower	Upper
70	100		
42	38.2	49.1	73.7#
101	0.0	8.5	12.7#
130	2.6	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BG032082.D
Acq: 16 Jan 2018 23:00

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	5.2	10.3	15.5#
68	3.3	4.5	6.7#

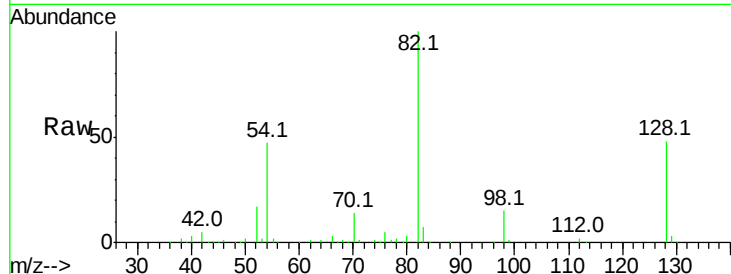




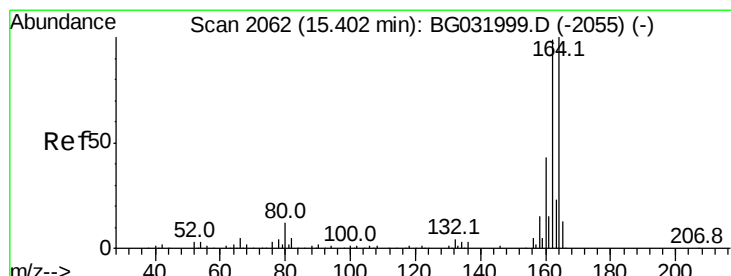
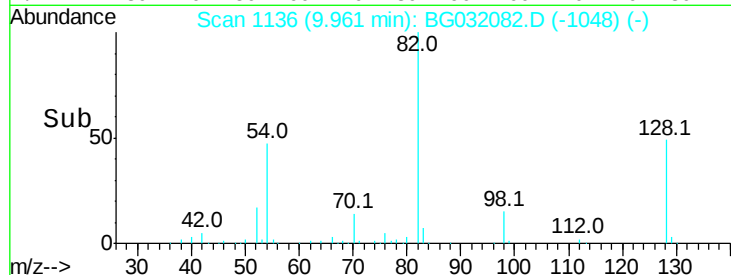
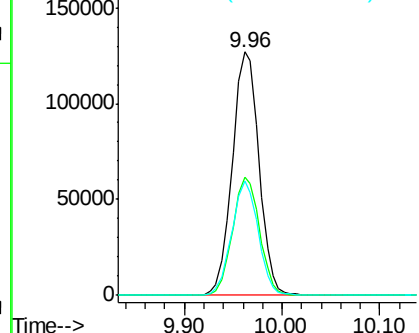
#23
 Nitrobenzene-d5
 Concen: 85.148 ng
 RT: 9.96 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: BG032082.D
 Acq: 16 Jan 2018 23:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 241331
 Ion Ratio Lower Upper
 82 100
 128 48.5 29.7 44.5#
 54 46.9 43.1 64.7

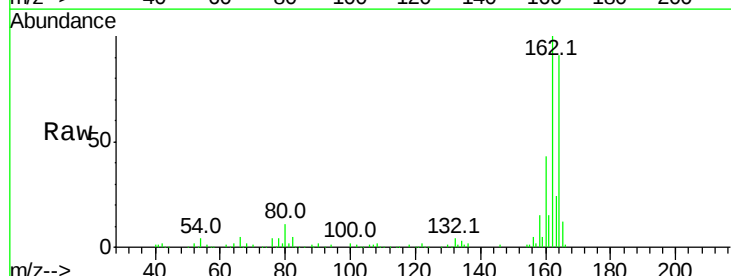


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

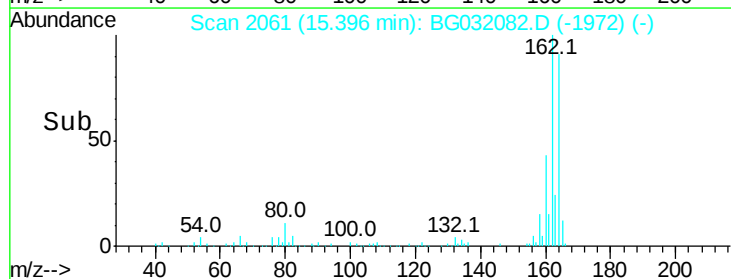
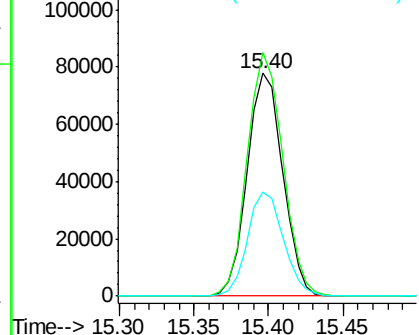


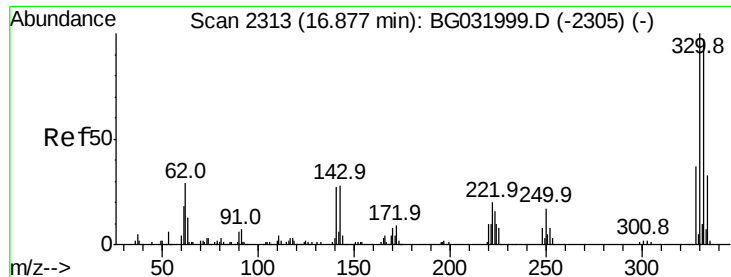
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. -0.01 min
 Lab File: BG032082.D
 Acq: 16 Jan 2018 23:00

Tgt Ion:164 Resp: 128085
 Ion Ratio Lower Upper
 164 100
 162 109.4 78.8 118.2
 160 46.7 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

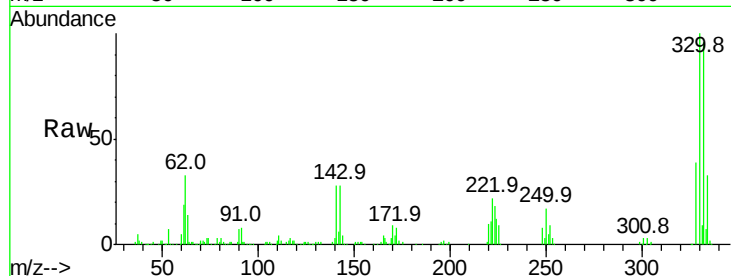




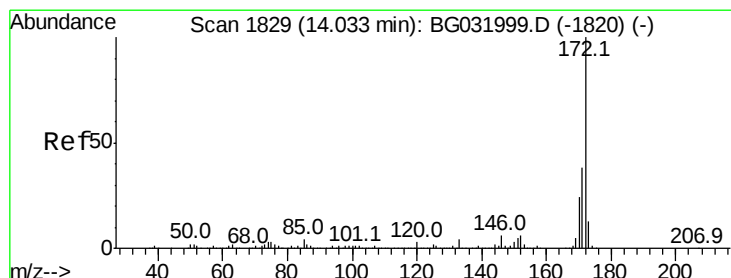
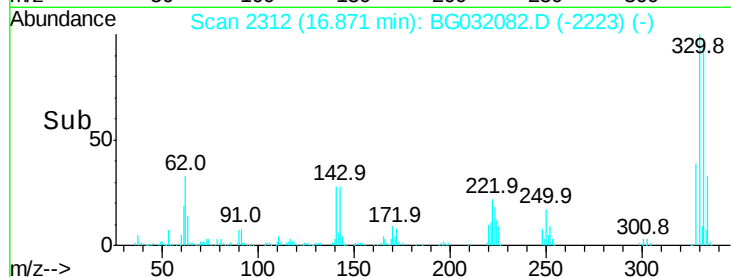
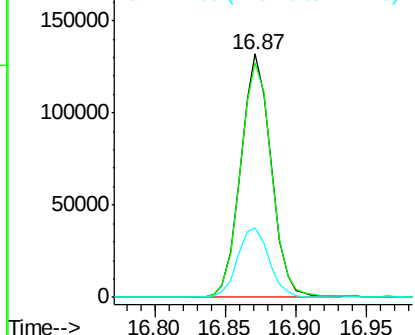
#41
 2,4,6-Tribromophenol
 Concen: 93.811 ng
 RT: 16.87 min Scan# 2312
 Delta R.T. -0.01 min
 Lab File: BG032082.D
 Acq: 16 Jan 2018 23:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.5	77.0	115.6
141	30.1	25.2	37.8

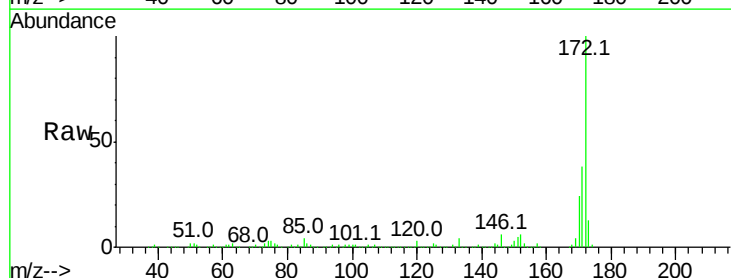


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

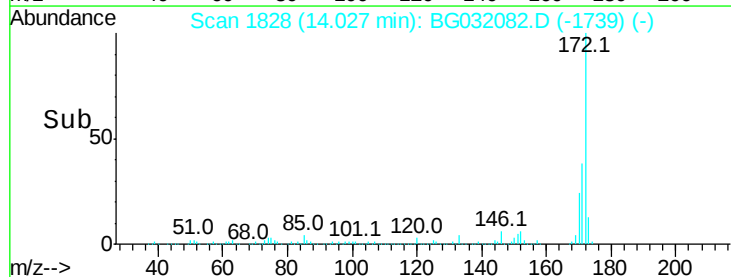
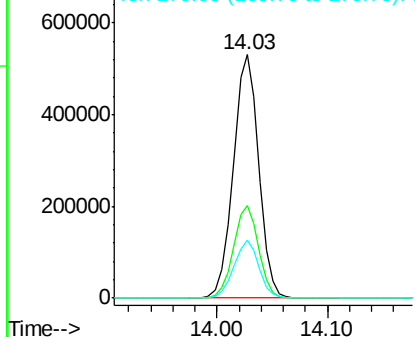


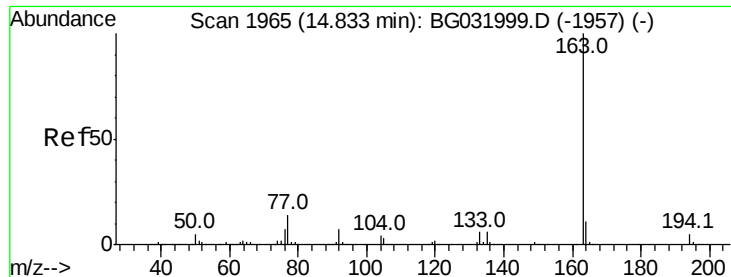
#44
 2-Fluorobiphenyl
 Concen: 82.743 ng
 RT: 14.03 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BG032082.D
 Acq: 16 Jan 2018 23:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.0	45.0
170	24.0	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: 6.415 ng

RT: 14.82 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BG032082.D

Acq: 16 Jan 2018 23:00

Instrument :

BNA_G

ClientSampleId :

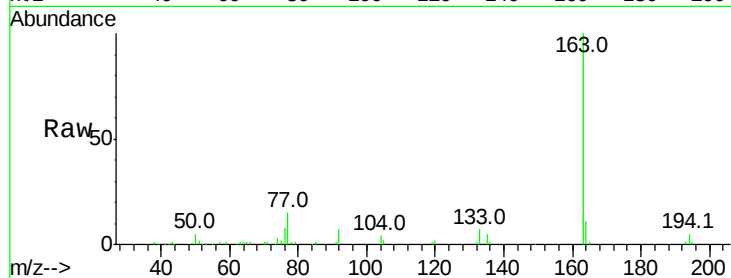
Tot Ion:163 Resp: 71902

Ion Ratio Lower Upper

163 100

194 4.7 3.4 5.2

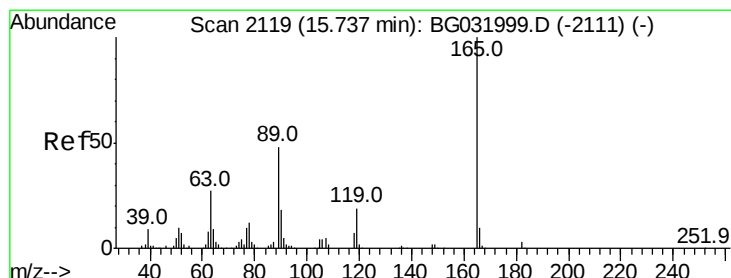
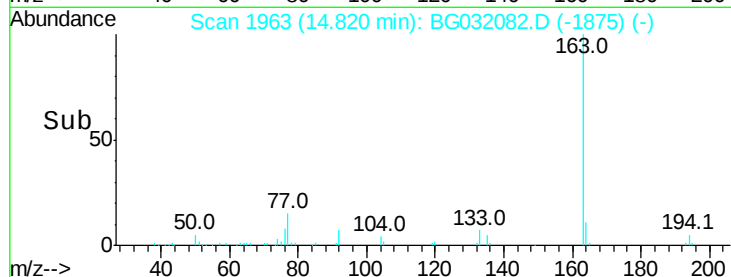
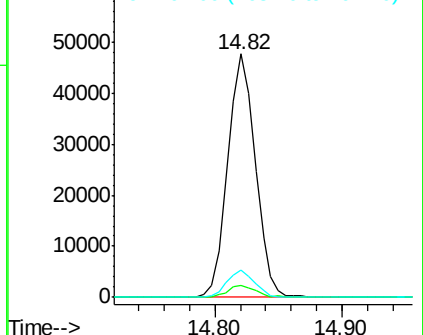
164 11.2 8.2 12.4



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



#56

2,4-Dinitrotoluene

Concen: 5.377 ng

RT: 15.40 min Scan# 2061

Delta R.T. -0.34 min

Lab File: BG032082.D

Acq: 16 Jan 2018 23:00

Tgt Ion:165 Resp: 16841

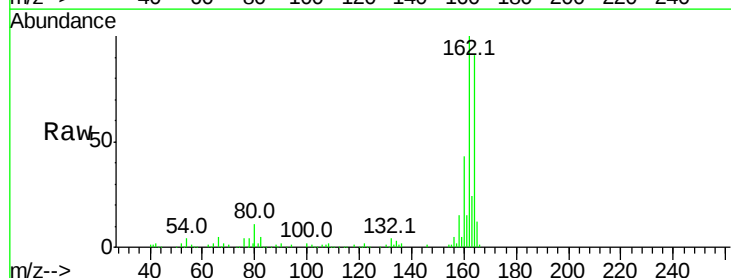
Ion Ratio Lower Upper

165 100

63 1.5 42.0 63.0#

89 1.8 66.9 100.3#

182 0.0 2.6 3.8#

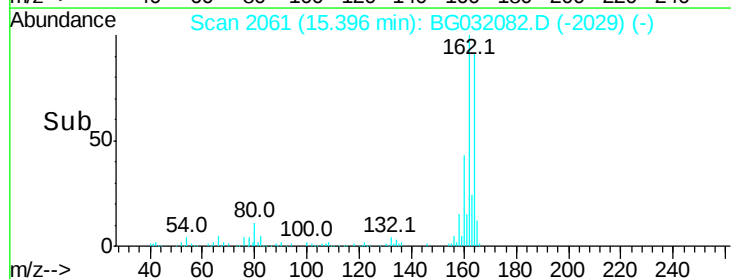
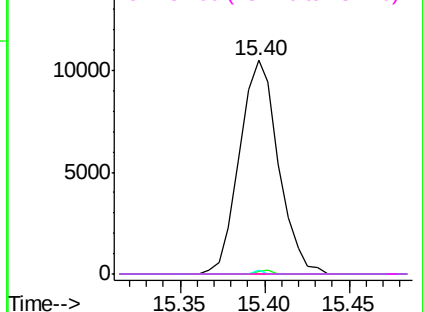


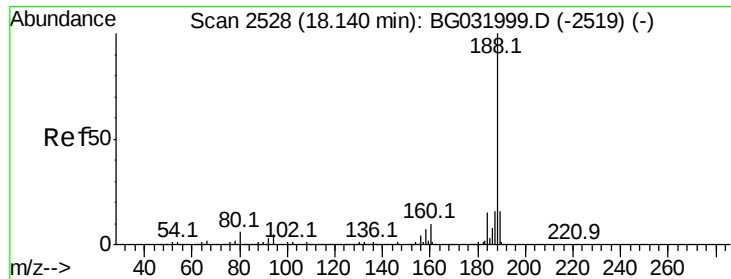
Abundance Ion 165.00 (164.70 to 165.70): E

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: 18.13 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BG032082.D

Acq: 16 Jan 2018 23:00

Instrument :

BNA_G

ClientSampled :

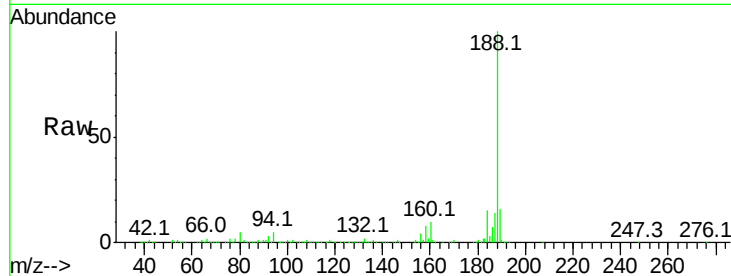
Tot Ion:188 Resp: 340491

Ion Ratio Lower Upper

188 100

94 4.6 6.9 10.3#

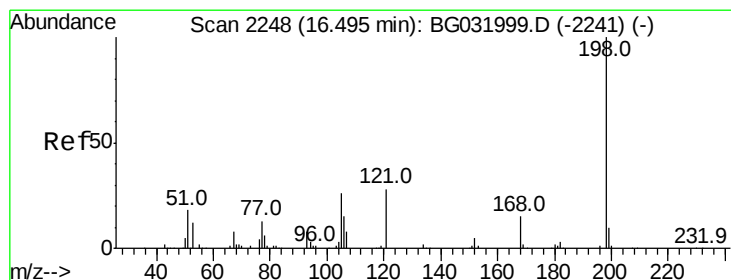
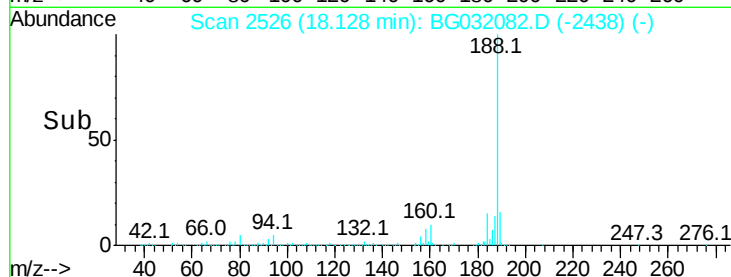
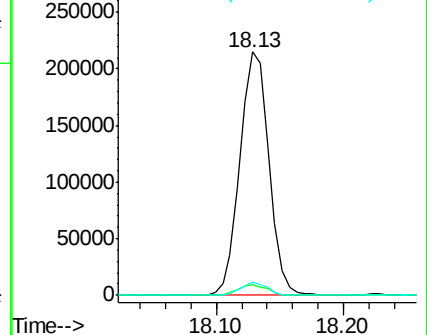
80 5.4 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 4.906 ng

RT: 16.67 min Scan# 2277

Delta R.T. 0.17 min

Lab File: BG032082.D

Acq: 16 Jan 2018 23:00

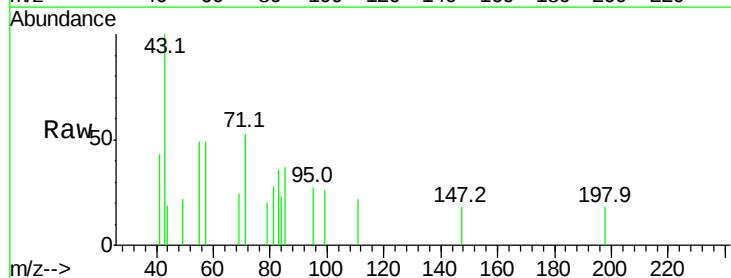
Tgt Ion:198 Resp: 53

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

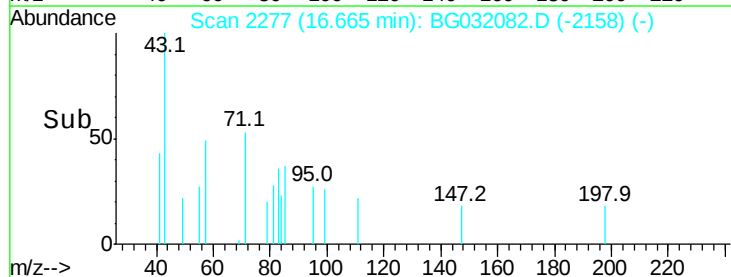
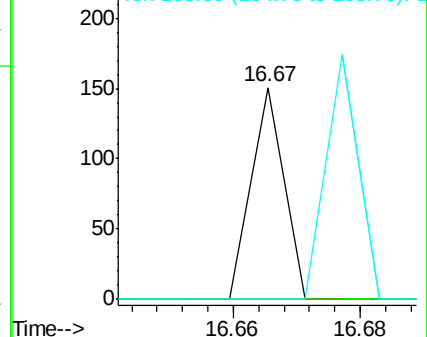
105 0.0 23.8 63.8#

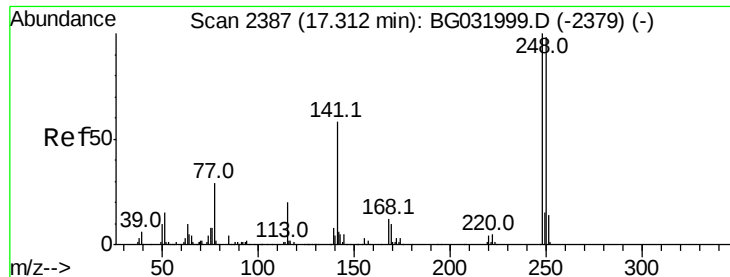


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

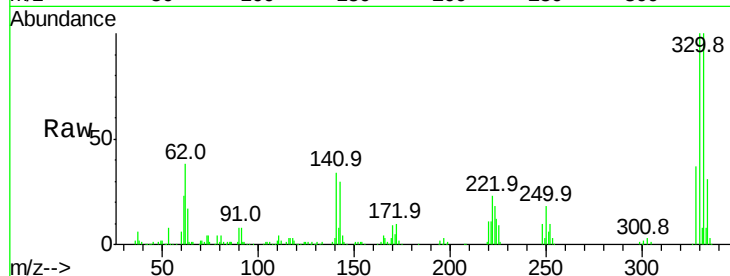




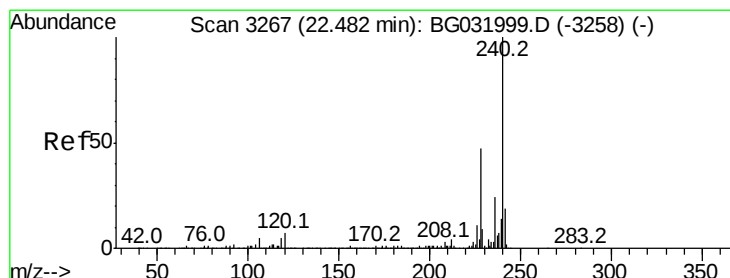
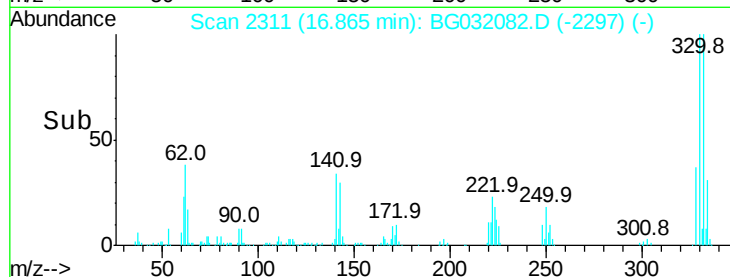
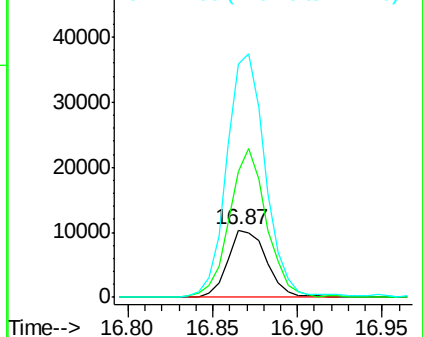
#66
4-Bromophenyl-phenylether
Concen: 3.377 ng
RT: 16.87 min Scan# 2311
Delta R.T. -0.45 min
Lab File: BG032082.D
Acq: 16 Jan 2018 23:00

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 16362
Ion Ratio Lower Upper
248 100
250 185.9 77.1 115.7#
141 345.9 50.8 76.2#

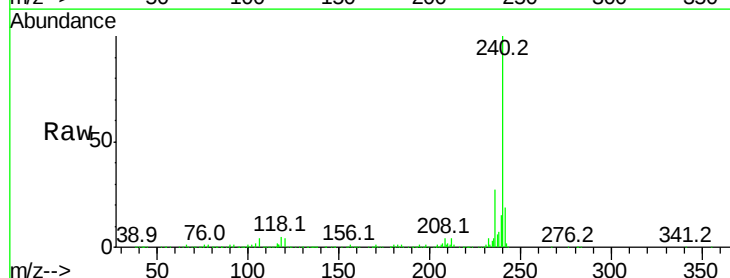


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

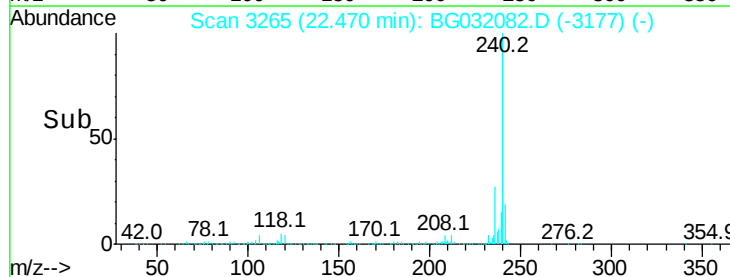
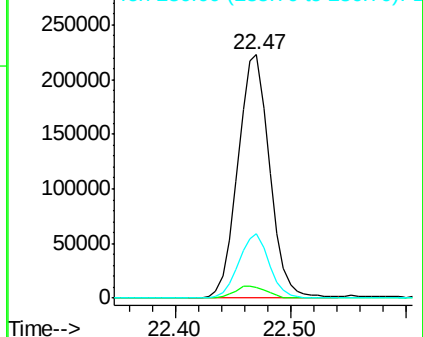


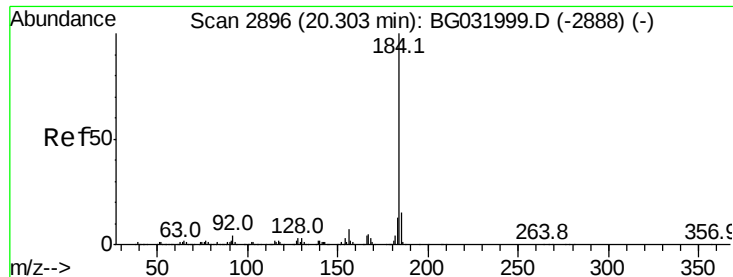
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.47 min Scan# 3265
Delta R.T. -0.01 min
Lab File: BG032082.D
Acq: 16 Jan 2018 23:00

Tgt Ion:240 Resp: 425426
Ion Ratio Lower Upper
240 100
120 4.3 6.8 10.2#
236 26.5 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: 2.108 ng

RT: 20.67 min Scan# 2958

Delta R.T. 0.36 min

Lab File: BG032082.D

Acq: 16 Jan 2018 23:00

Instrument :

BNA_G

ClientSampleId :

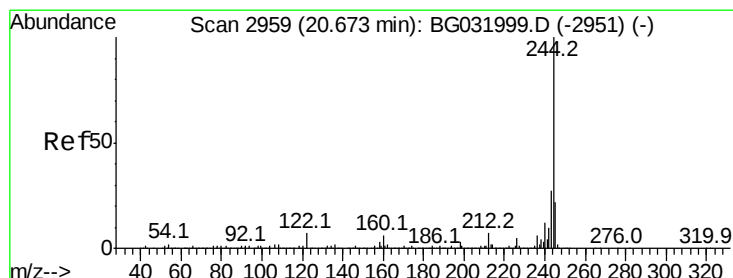
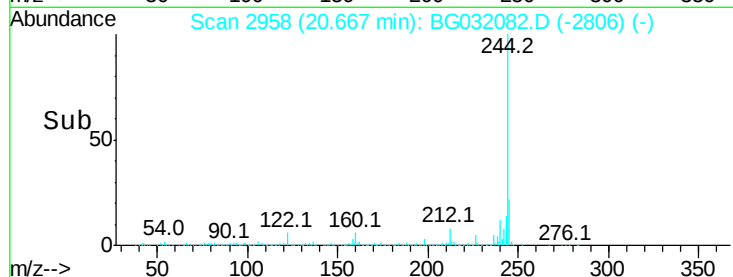
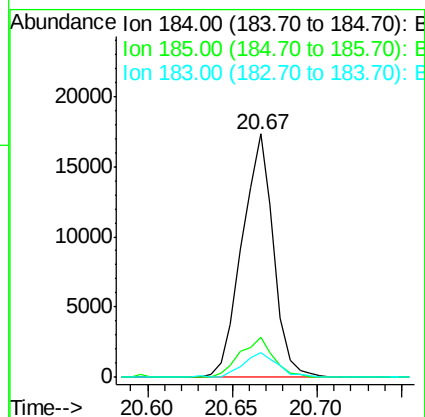
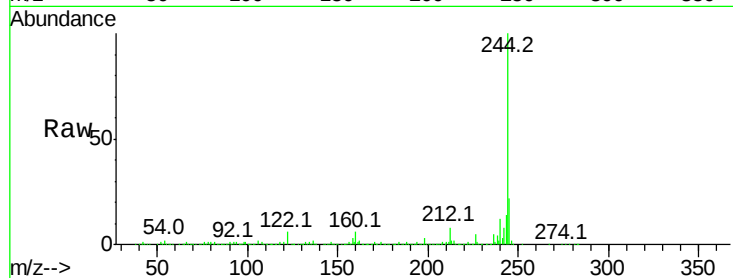
Tot Ion:184 Resp: 22429

Ion Ratio Lower Upper

184 100

185 16.5 11.1 16.7

183 10.1 10.6 16.0#



#78

Terphenyl-d14

Concen: 84.254 ng

RT: 20.67 min Scan# 2958

Delta R.T. -0.01 min

Lab File: BG032082.D

Acq: 16 Jan 2018 23:00

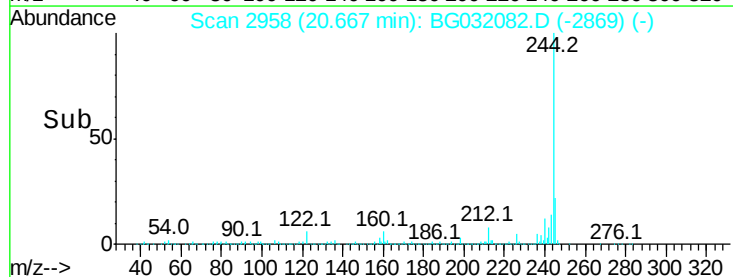
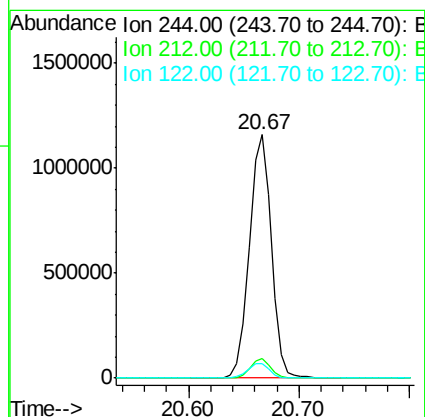
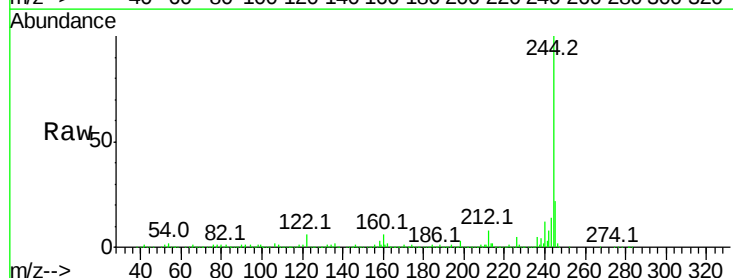
Tgt Ion:244 Resp: 1623336

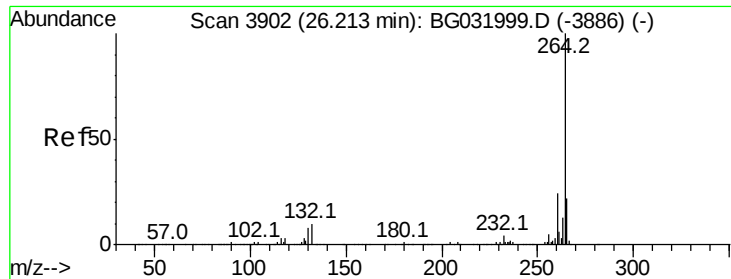
Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

122 6.2 7.0 10.4#

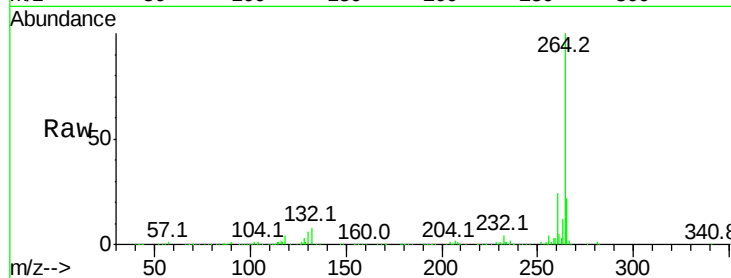




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.18 min Scan# 3897
Delta R.T. -0.03 min
Lab File: BG032082.D
Acq: 16 Jan 2018 23:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.4	26.0
265	21.9	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

