

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021219\
 Data File : BG039487.D
 Acq On : 13 Feb 2019 6:29
 Operator : JU/SJ
 Sample : K1459-08
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

Quant Time: Feb 13 07:23:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

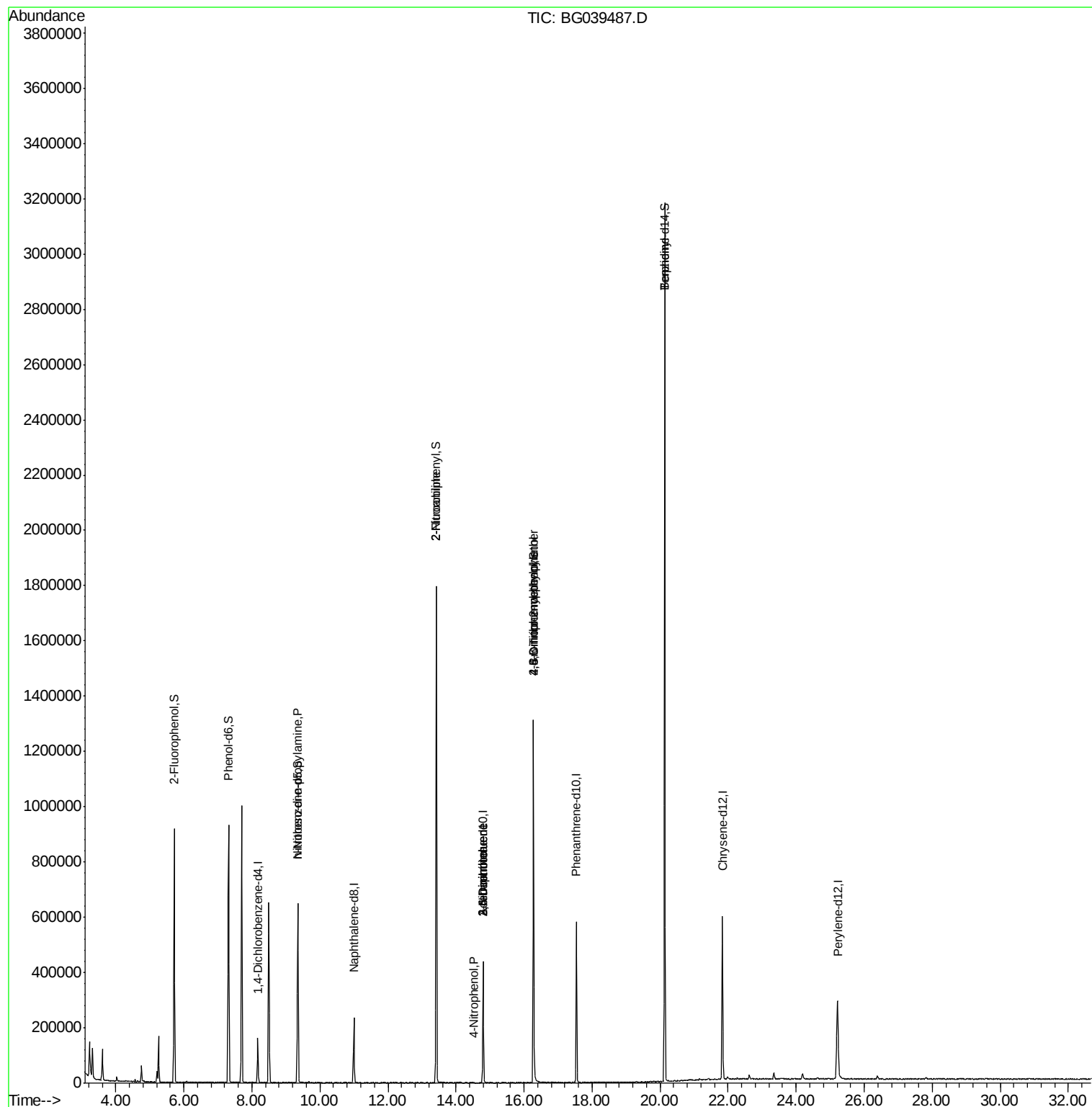
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	44151	20.00	ng	-0.01
21) Naphthalene-d8	11.00	136	206705	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	153979	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	366359	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	350241	20.00	ng	-0.02
87) Perylene-d12	25.22	264	343993	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	391873	151.91	ng	0.00
7) Phenol-d6	7.31	99	542311	142.82	ng	0.00
23) Nitrobenzene-d5	9.35	82	387215	117.03	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	228102	137.57	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	979660	91.27	ng	-0.02
79) Terphenyl-d14	20.13	244	1479572	89.42	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.31	77	897	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.35	70	49770	18.467	ng	# 4
48) 2-Nitroaniline	13.42	65	1764	8.823	ng	# 3
51) 2,6-Dinitrotoluene	14.79	165	19637	13.853	ng	# 25
53) 3-Nitroaniline	14.80	138	53	5.811	ng	# 1
56) 4-Nitrophenol	14.51	139	63	5.820	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	19637	13.346	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.28	198	777	4.855	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	17580	4.325	ng	# 1
77) Benzidine	20.14	184	26523	2.310	ng	# 93

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

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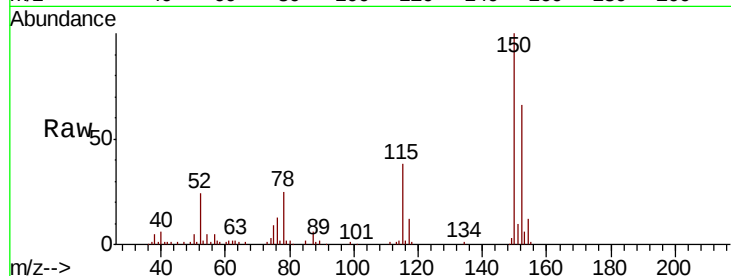


#1

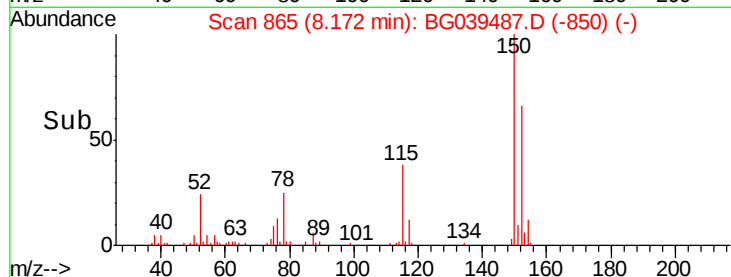
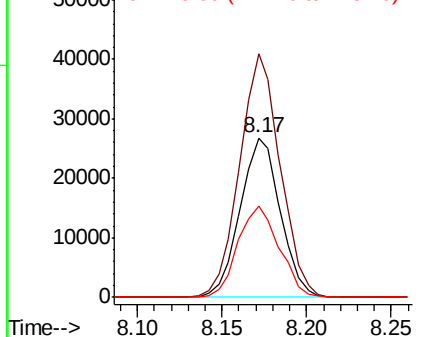
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039487.D
Acq: 13 Feb 2019 6:29

Instrument :
BNA_G
ClientSampleId :
DFTPP

Tgt Ion:152 Resp: 44151
Ion Ratio Lower Upper
152 100
150 152.5 123.7 185.5
115 57.2 45.9 68.9



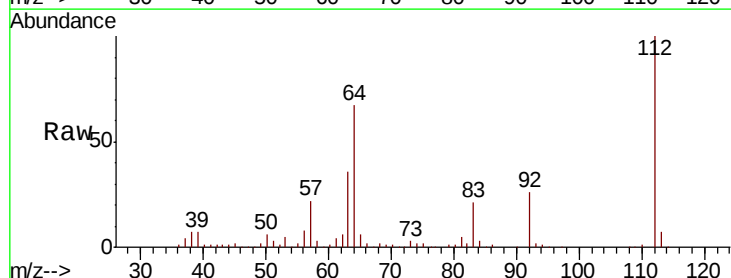
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



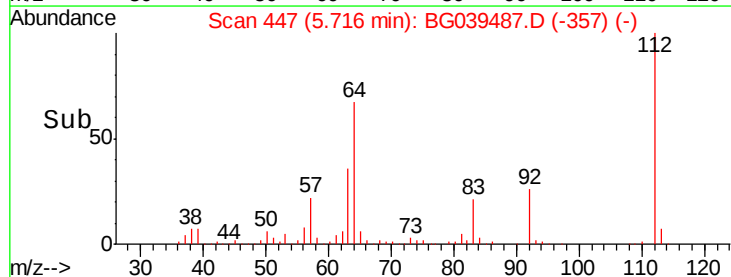
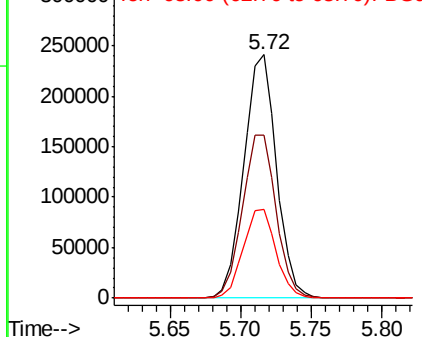
#5

2-Fluorophenol
Concen: 151.909 ng
RT: 5.72 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039487.D
Acq: 13 Feb 2019 6:29

Tgt Ion:112 Resp: 391873
Ion Ratio Lower Upper
112 100
64 66.7 57.8 86.8
63 36.4 29.8 44.6



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: 142.819 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039487.D

Acq: 13 Feb 2019 6:29

Instrument :

BNA_G

ClientSampleId :

DFTPP

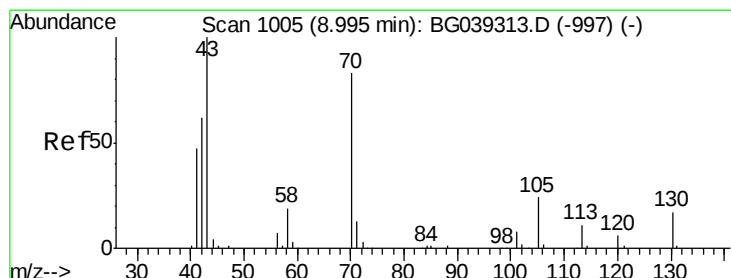
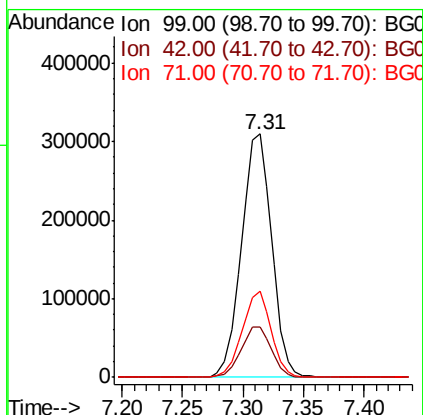
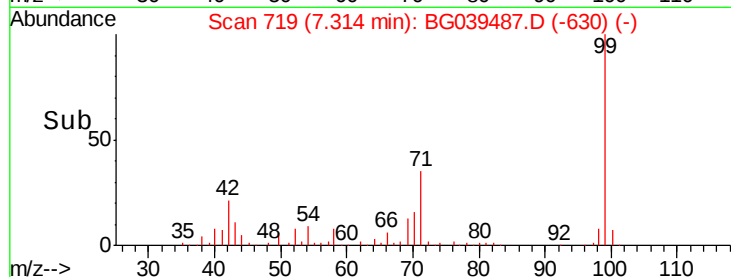
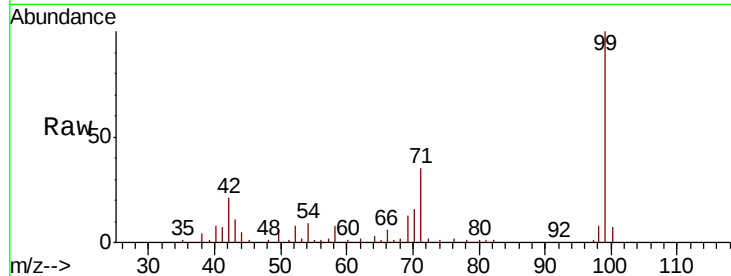
Tgt Ion: 99 Resp: 542311

Ion Ratio Lower Upper

99 100

42 20.8 18.2 27.2

71 35.4 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 18.467 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039487.D

Acq: 13 Feb 2019 6:29

Tgt Ion: 70 Resp: 49770

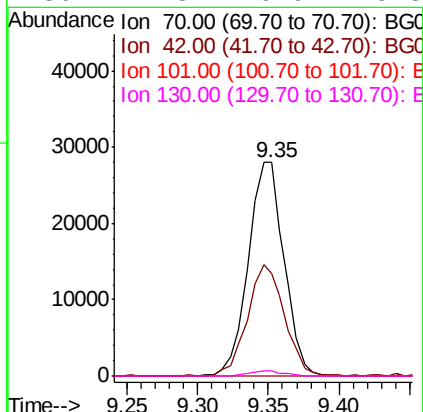
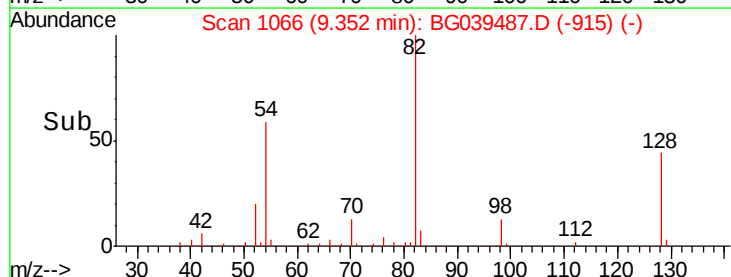
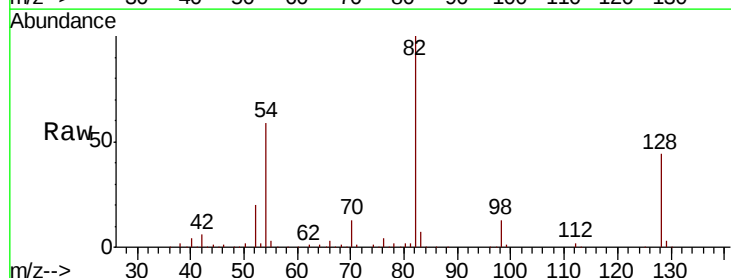
Ion Ratio Lower Upper

70 100

42 47.8 60.4 90.6#

101 0.0 7.5 11.3#

130 2.3 16.9 25.3#

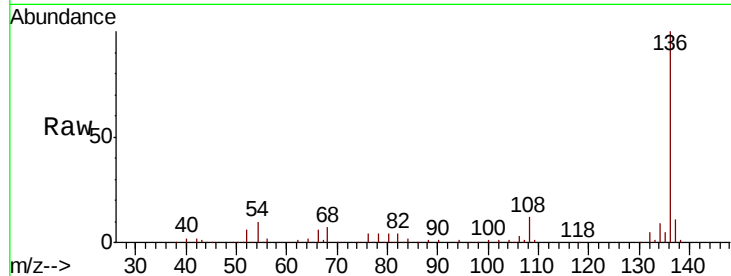




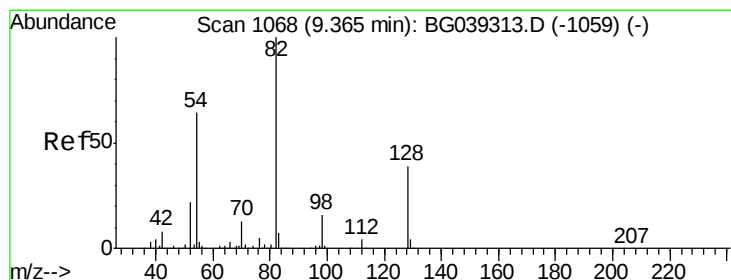
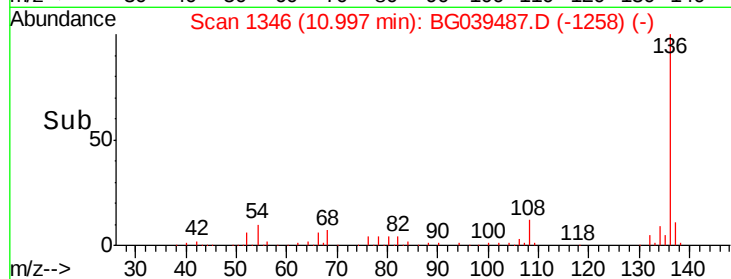
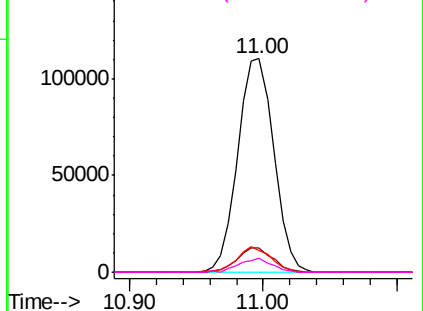
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039487.D
Acq: 13 Feb 2019 6:29

Instrument :
BNA_G
ClientSampleId :
DFTPP

Tgt Ion:	136	Resp:	206705
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	10.4	9.4	14.2
68	6.6	4.2	6.4#

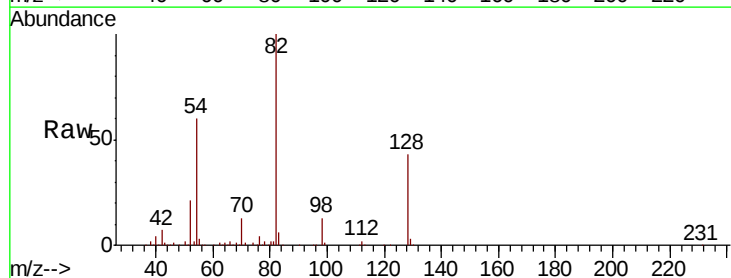


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

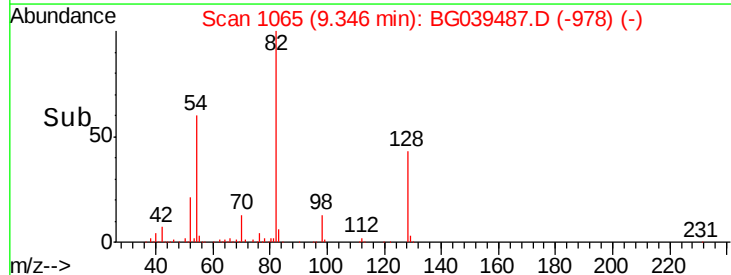
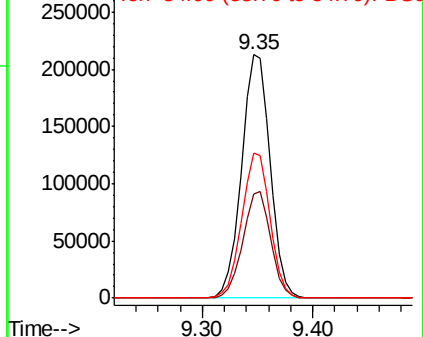


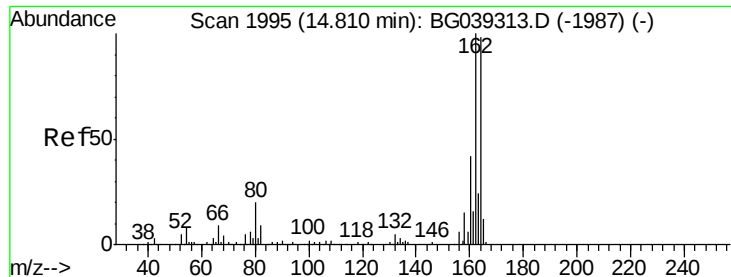
#23
Nitrobenzene-d5
Concen: 117.026 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039487.D
Acq: 13 Feb 2019 6:29

Tgt Ion:	82	Resp:	387215
Ion	Ratio	Lower	Upper
82	100		
128	42.6	31.3	46.9
54	59.6	50.9	76.3



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039487.D

Acq: 13 Feb 2019 6:29

Instrument :

BNA_G

ClientSampleId :

DFTPP

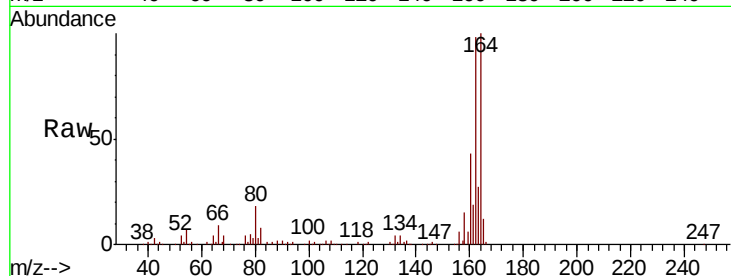
Tgt Ion:164 Resp: 153979

Ion Ratio Lower Upper

164 100

162 98.3 81.6 122.4

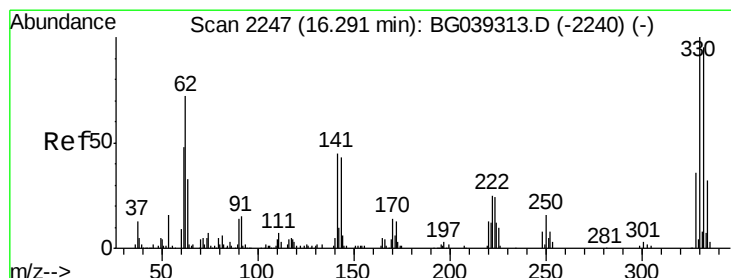
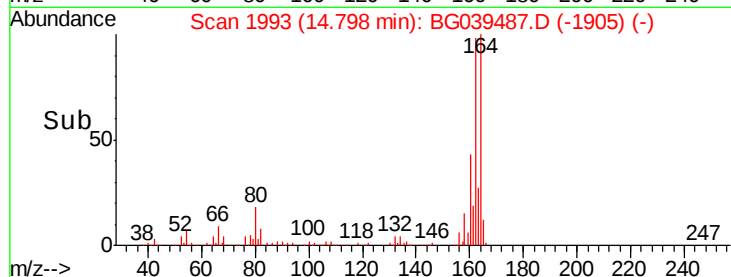
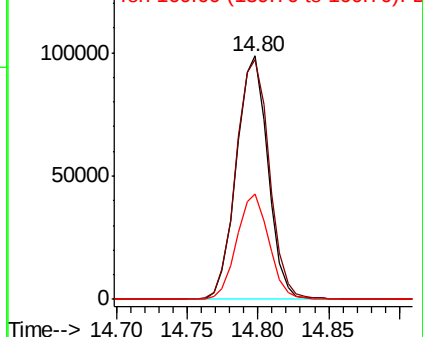
160 43.1 34.2 51.2



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



#42

2,4,6-Tribromophenol

Concen: 137.569 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039487.D

Acq: 13 Feb 2019 6:29

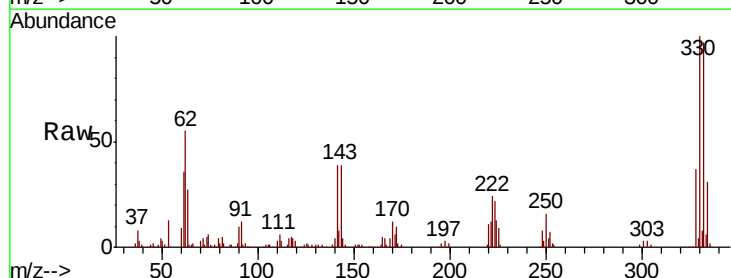
Tgt Ion:330 Resp: 228102

Ion Ratio Lower Upper

330 100

332 98.4 75.7 113.5

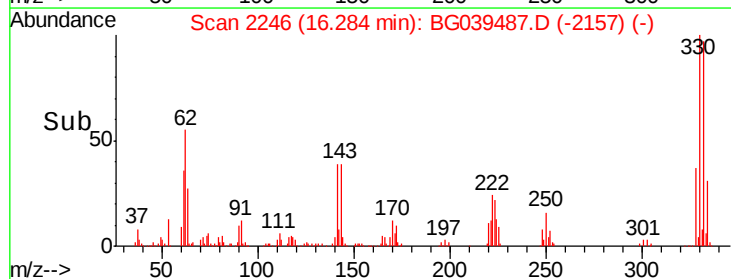
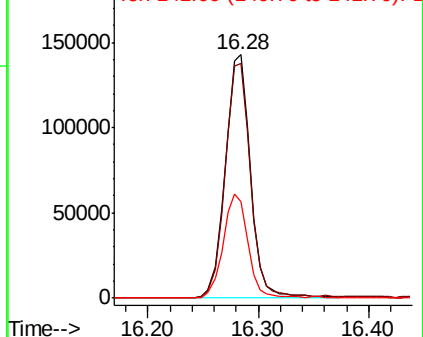
141 41.9 35.6 53.4



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

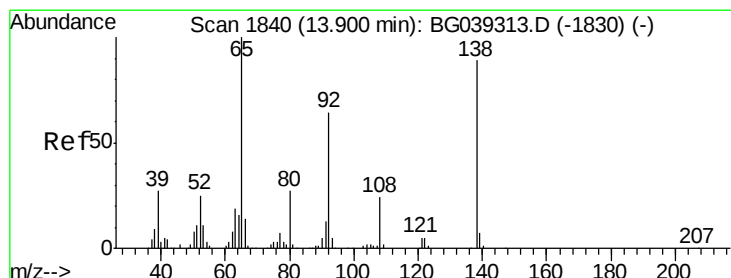
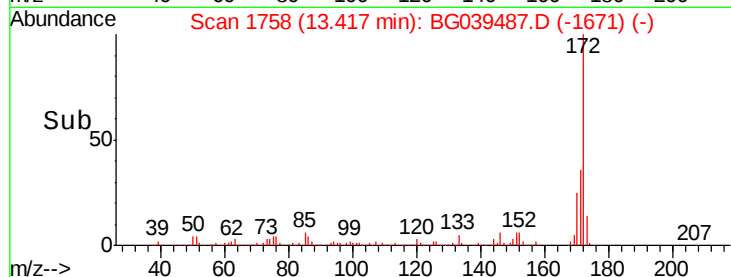
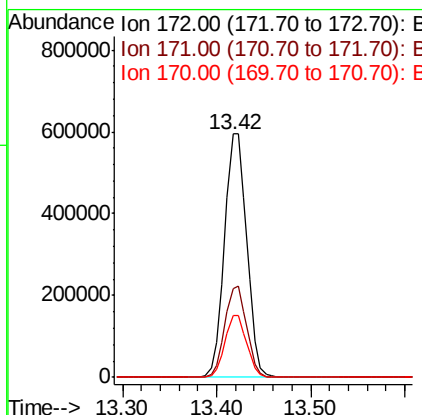
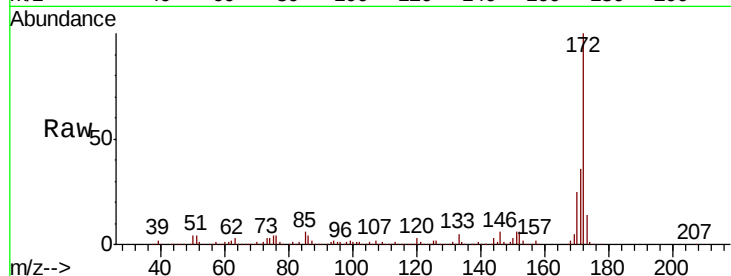




#45
2-Fluorobiphenyl
Concen: 91.270 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BG039487.D
Acq: 13 Feb 2019 6:29

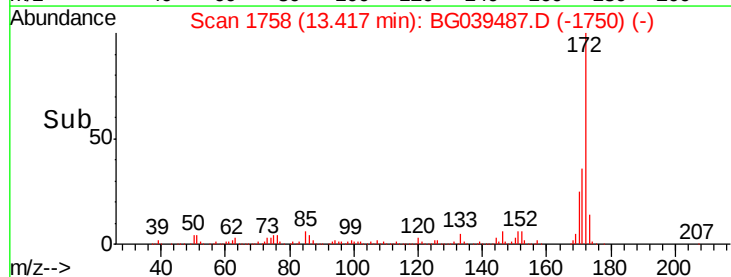
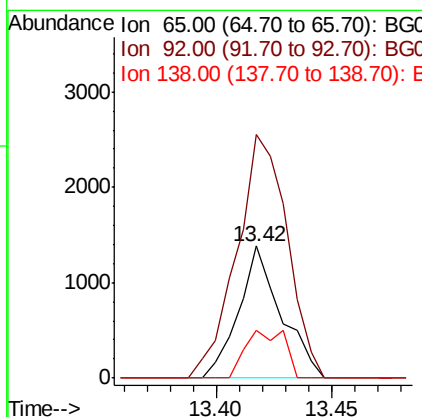
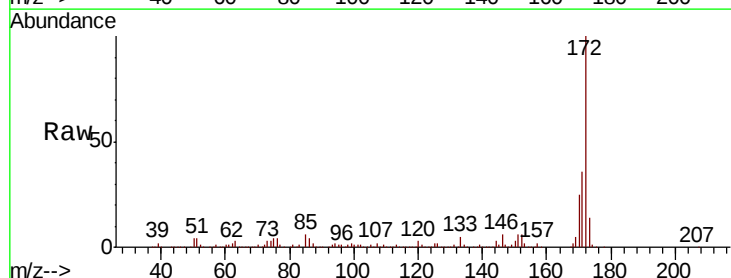
Instrument :
BNA_G
ClientSampleId :
DFTPP

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.8	46.2
170	25.3	20.2	30.4



#48
2-Nitroaniline
Concen: 8.823 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.48 min
Lab File: BG039487.D
Acq: 13 Feb 2019 6:29

Tgt Ion	Ratio	Lower	Upper
65	100		
92	184.5	51.4	77.2#
138	36.2	71.4	107.2#

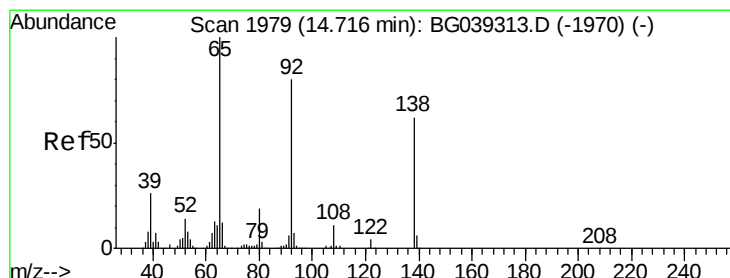
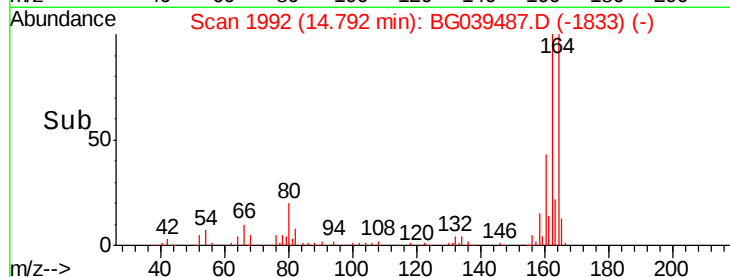
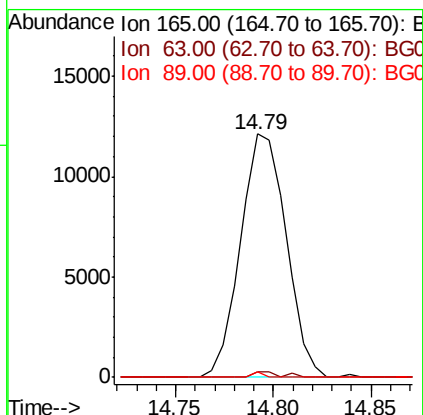
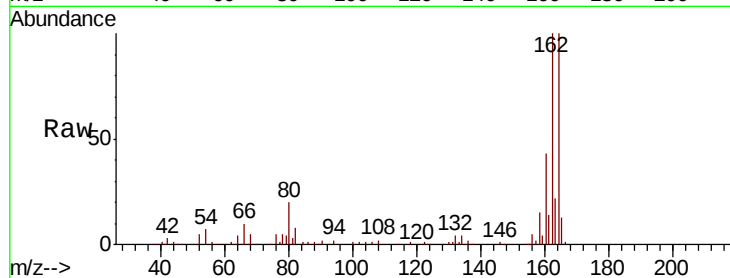




#51
 2,6-Dinitrotoluene
 Concen: 13.853 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. 0.40 min
 Lab File: BG039487.D
 Acq: 13 Feb 2019 6:29

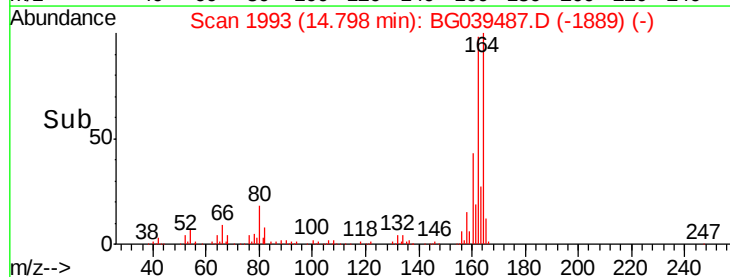
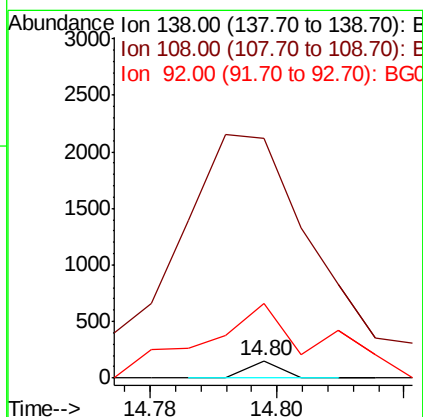
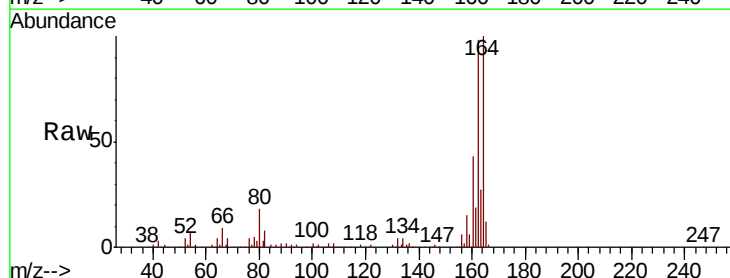
Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

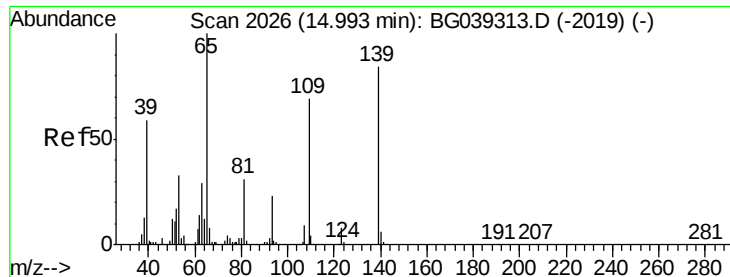
Tgt Ion:165 Resp: 19637
 Ion Ratio Lower Upper
 165 100
 63 2.4 47.0 70.6#
 89 2.2 45.8 68.8#



#53
 3-Nitroaniline
 Concen: 5.811 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. 0.08 min
 Lab File: BG039487.D
 Acq: 13 Feb 2019 6:29

Tgt Ion:138 Resp: 53
 Ion Ratio Lower Upper
 138 100
 108 1407.3 13.8 20.8#
 92 435.1 103.7 155.5#

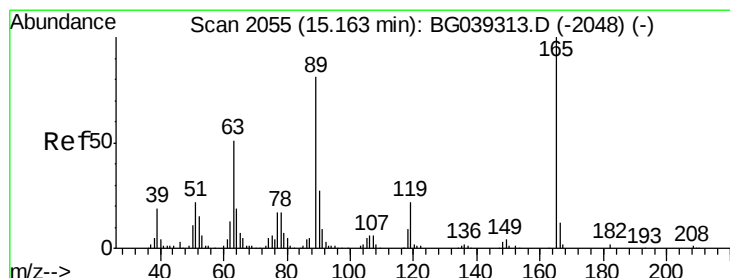
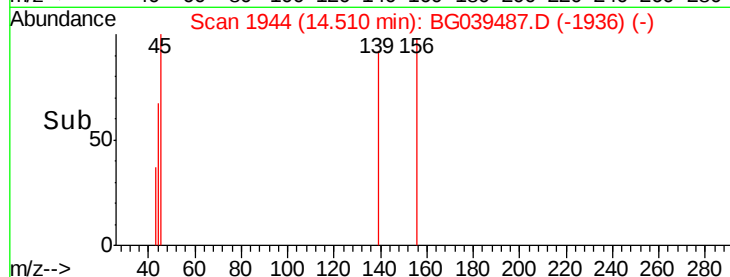
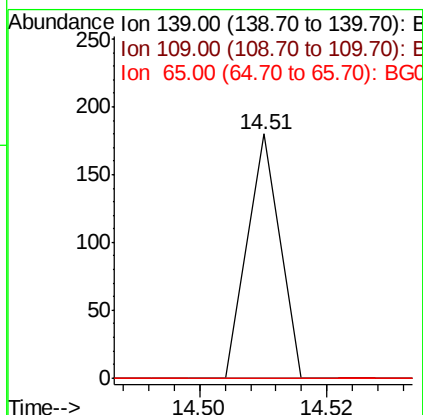
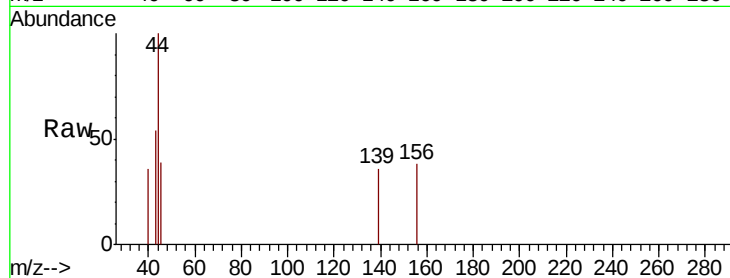




#56
4-Nitrophenol
Concen: 5.820 ng
RT: 14.51 min Scan# 1944
Delta R.T. -0.48 min
Lab File: BG039487.D
Acq: 13 Feb 2019 6:29

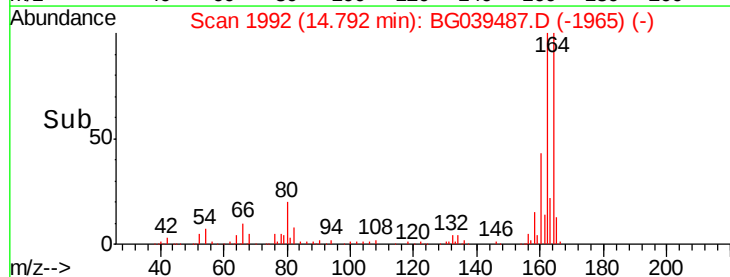
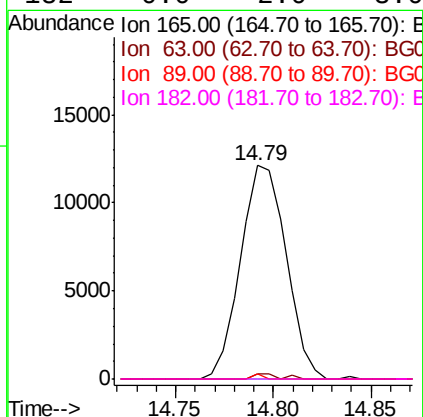
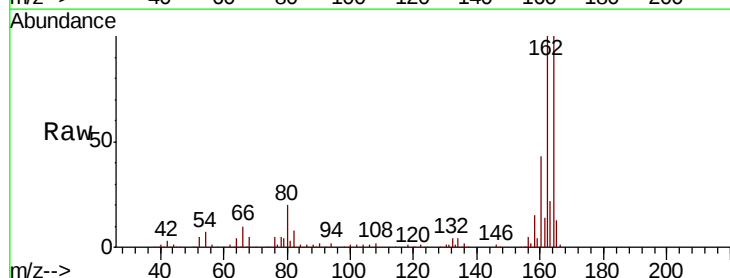
Instrument :
BNA_G
ClientSampleId :
DFTPP

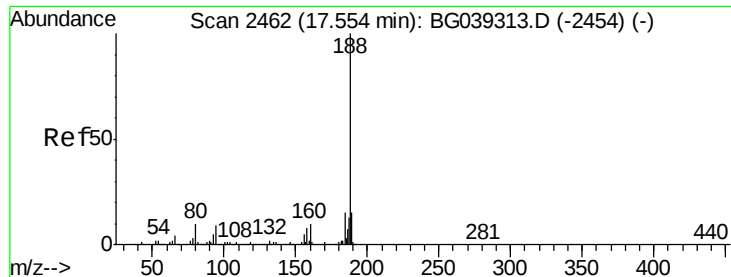
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#



#57
2,4-Dinitrotoluene
Concen: 13.346 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.37 min
Lab File: BG039487.D
Acq: 13 Feb 2019 6:29

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.4	41.0	61.6#
89	2.2	64.6	96.8#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039487.D

Acq: 13 Feb 2019 6:29

Instrument :

BNA_G

ClientSampleId :

DFTPP

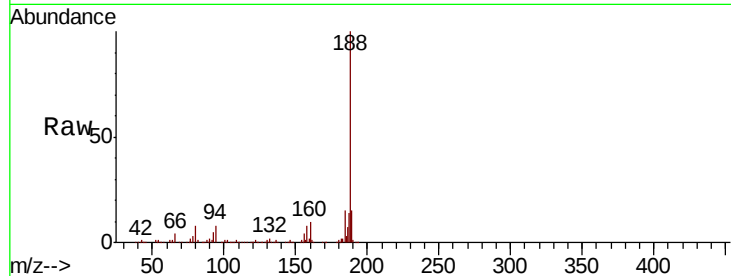
Tgt Ion:188 Resp: 366359

Ion Ratio Lower Upper

188 100

94 7.7 6.9 10.3

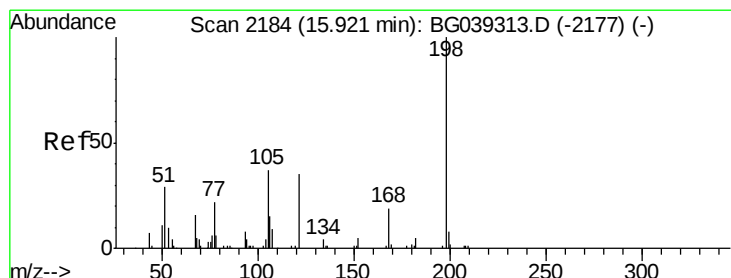
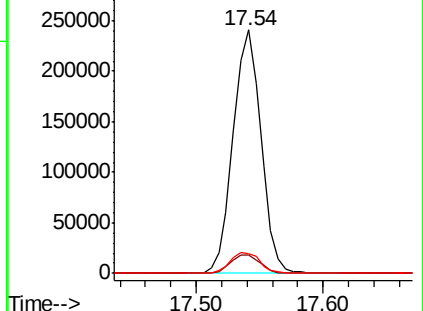
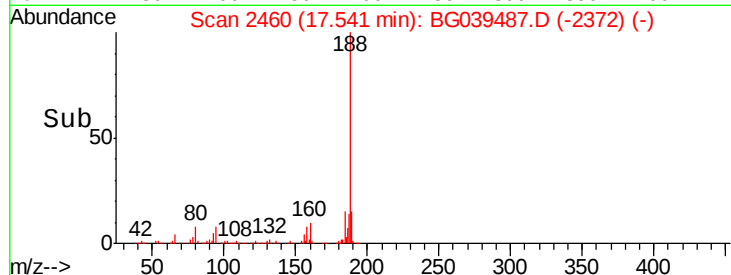
80 8.3 8.1 12.1



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.855 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039487.D

Acq: 13 Feb 2019 6:29

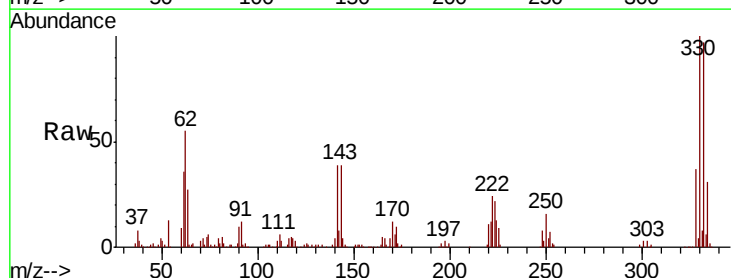
Tgt Ion:198 Resp: 777

Ion Ratio Lower Upper

198 100

51 183.7 27.4 67.4#

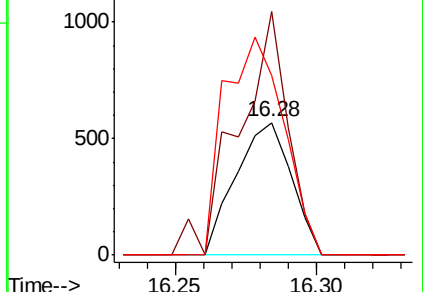
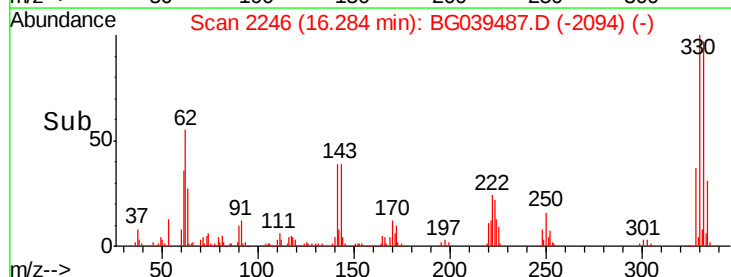
105 135.9 19.7 59.7#

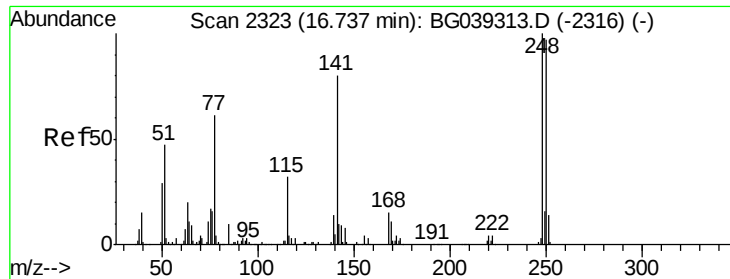


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

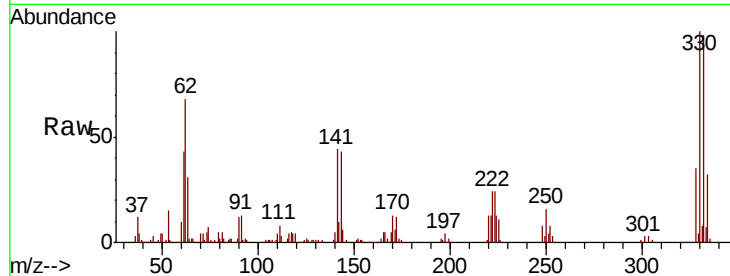




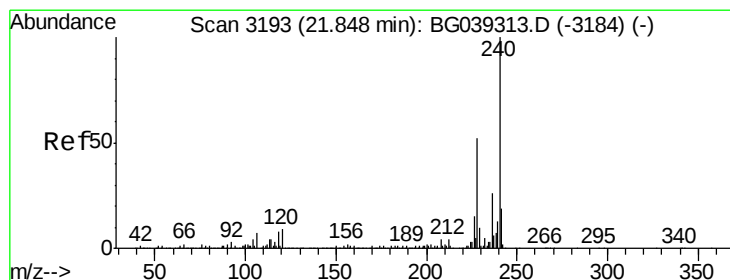
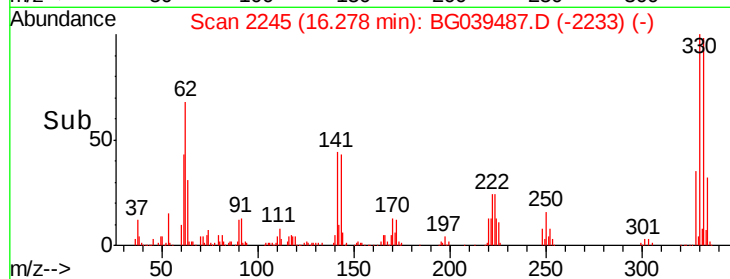
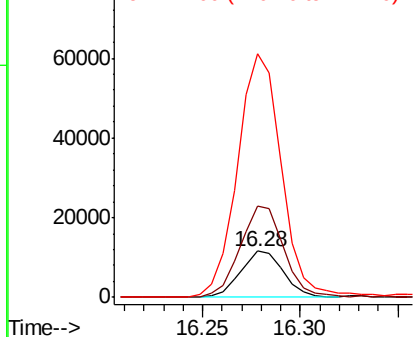
#67
4-Bromophenyl-phenylether
Concen: 4.325 ng
RT: 16.28 min Scan# 2245
Delta R.T. -0.46 min
Lab File: BG039487.D
Acq: 13 Feb 2019 6:29

Instrument :
BNA_G
ClientSampleId :
DFTPP

Tgt Ion:248 Resp: 17580
Ion Ratio Lower Upper
248 100
250 196.4 77.6 116.4#
141 525.5 63.9 95.9#

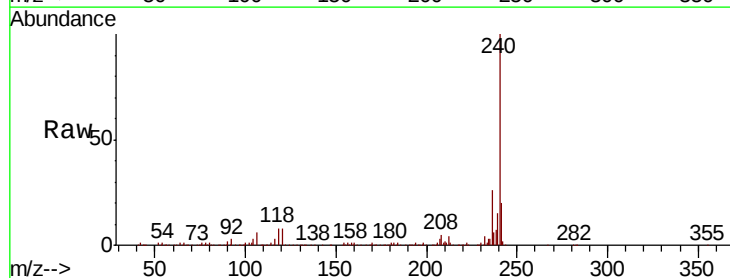


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

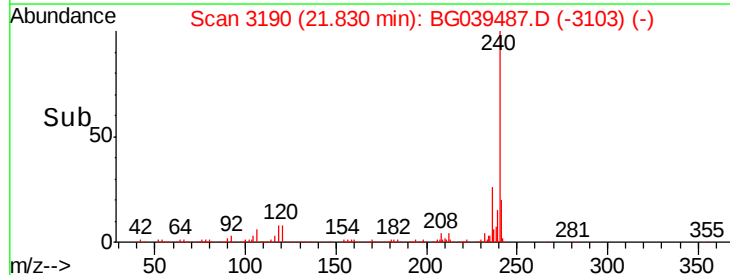
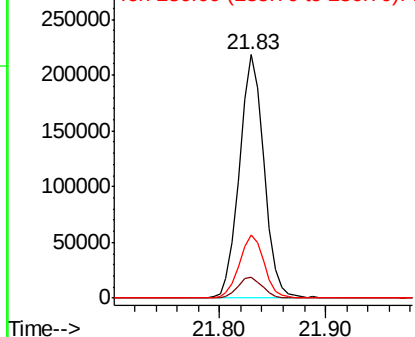


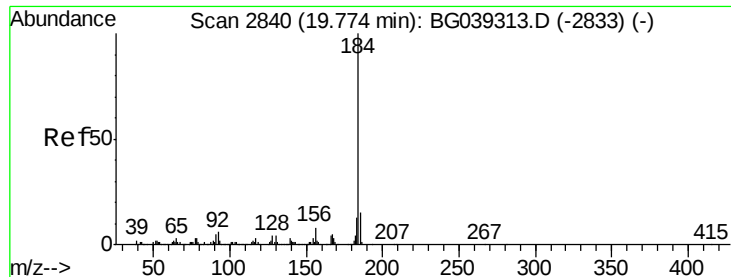
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039487.D
Acq: 13 Feb 2019 6:29

Tgt Ion:240 Resp: 350241
Ion Ratio Lower Upper
240 100
120 8.4 7.0 10.6
236 25.8 21.0 31.4



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





#77

Benzidine

Concen: 2.310 ng

RT: 20.14 min Scan# 2902

Delta R.T. 0.36 min

Lab File: BG039487.D

Acq: 13 Feb 2019 6:29

Instrument :

BNA_G

ClientSampled :

DFTPP

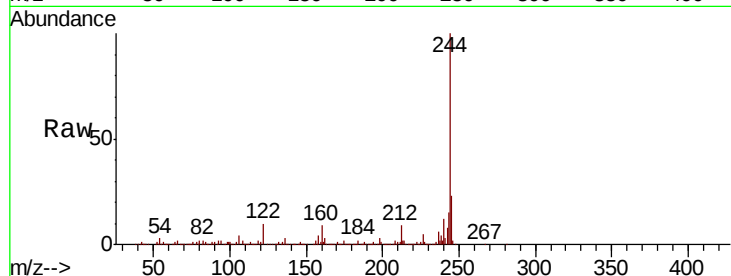
Tgt Ion:184 Resp: 26523

Ion Ratio Lower Upper

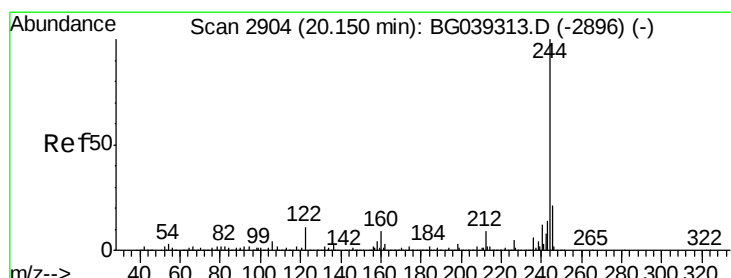
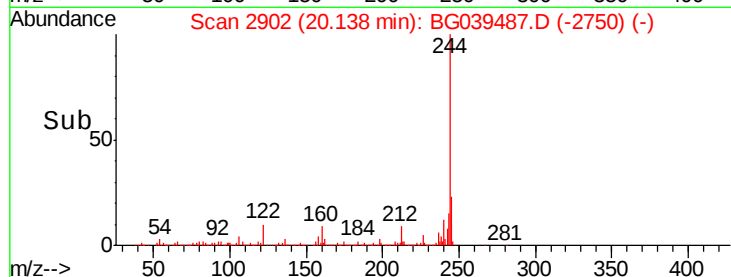
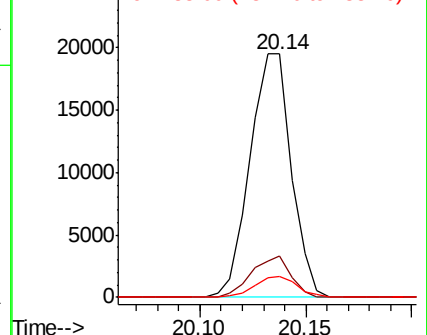
184 100

185 16.8 12.2 18.2

183 8.7 10.6 15.8#



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



#79

Terphenyl-d14

Concen: 89.418 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039487.D

Acq: 13 Feb 2019 6:29

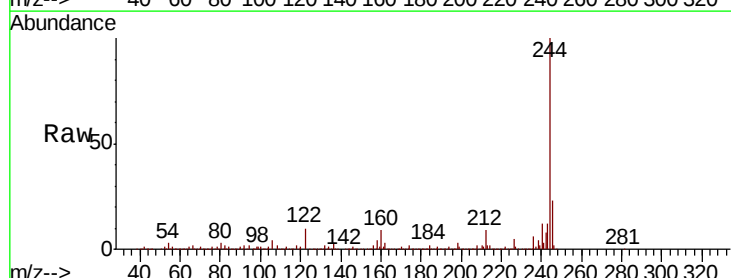
Tgt Ion:244 Resp: 1479572

Ion Ratio Lower Upper

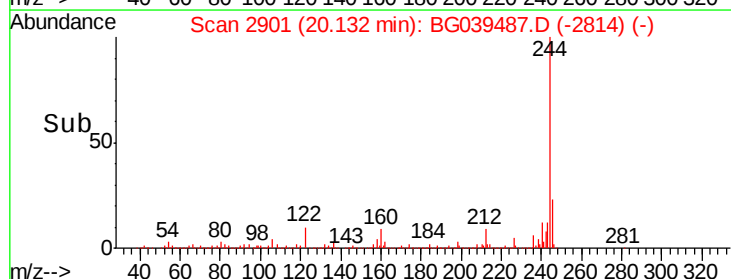
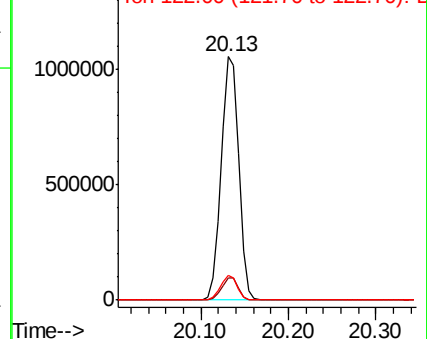
244 100

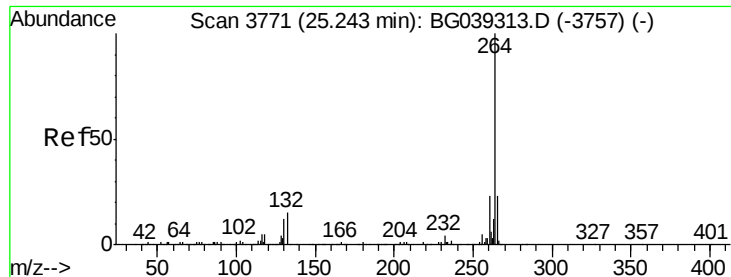
212 9.2 7.3 10.9

122 10.4 8.4 12.6



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





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.22 min Scan# 3767
Delta R.T. -0.02 min
Lab File: BG039487.D
Acq: 13 Feb 2019 6:29

Instrument :
BNA_G
ClientSampleId :
DFTPP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.4
265	21.4	18.5	27.7

