

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022619\
 Data File : BG039606.D
 Acq On : 26 Feb 2019 18:40
 Operator : JU/SJ
 Sample : K1597-11RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-22

Quant Time: Feb 26 23:59:50 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	58014	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	253402	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	169311	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	409999	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	403640	20.00	ng	-0.03
87) Perylene-d12	25.20	264	405424	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	493277	145.52	ng	0.00
7) Phenol-d6	7.31	99	724189	145.14	ng	0.00
23) Nitrobenzene-d5	9.35	82	432235	106.56	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	293653	161.07	ng	-0.01
45) 2-Fluorobiphenyl	13.41	172	918975	77.86	ng	-0.02
79) Terphenyl-d14	20.13	244	1362627	71.46	ng	-0.02

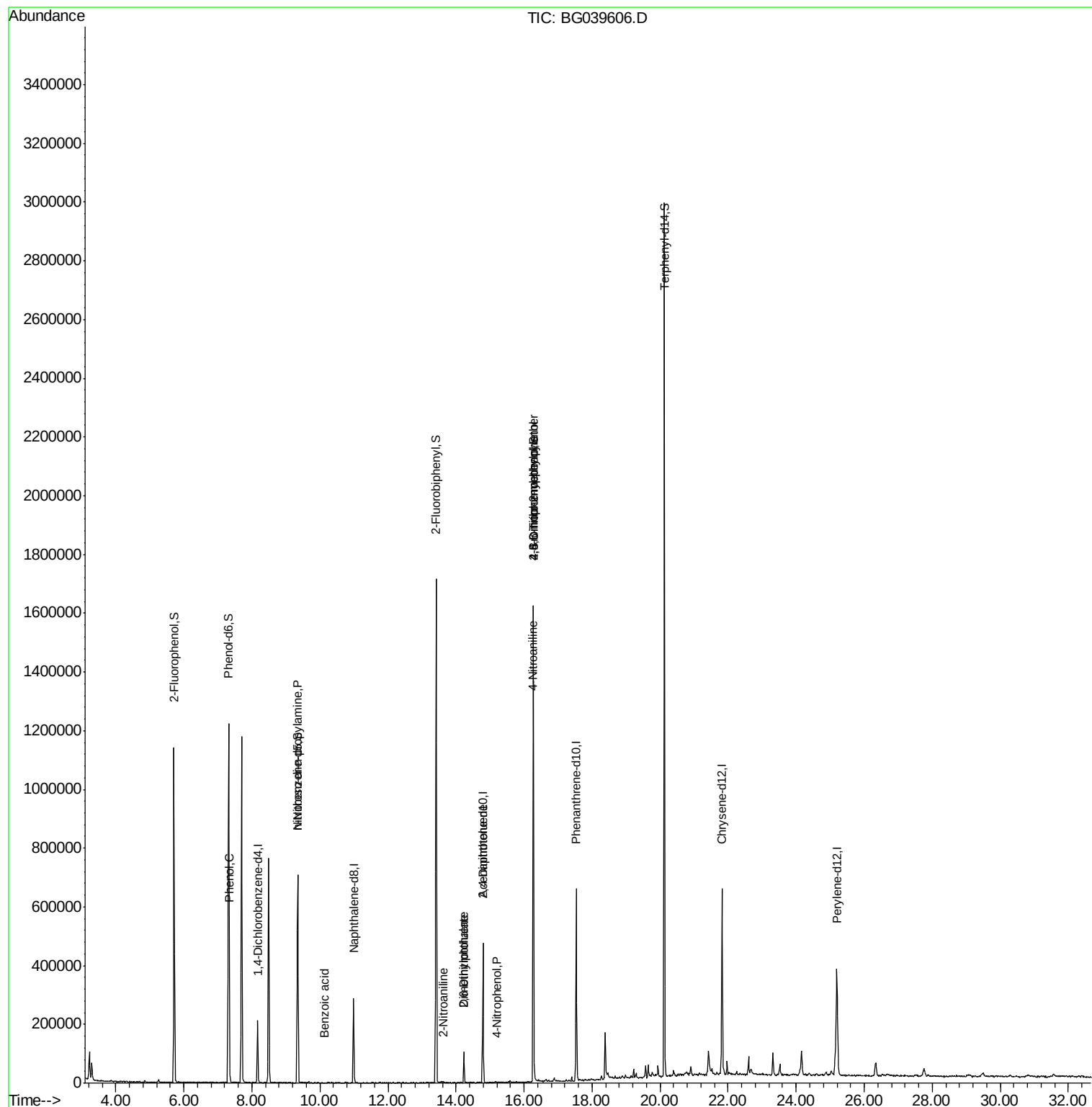
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.30	77	1540	Below Cal		# 4
10) Phenol	7.34	94	23117	4.445	ng	# 84
19) n-Nitroso-di-n-propylamine	9.35	70	56295	15.897	ng	# 67
32) Benzoic acid	10.13	122	61	9.042	ng	# 1
48) 2-Nitroaniline	13.63	65	59	8.312	ng	# 10
50) Dimethylphthalate	14.23	163	72905	5.332	ng	# 99
51) 2,6-Dinitrotoluene	14.23	165	828	6.839	ng	# 41
56) 4-Nitrophenol	15.19	139	62	5.817	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	22032	13.458	ng	# 19
62) 4-Nitroaniline	16.26	138	56	4.220	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.27	198	1244	5.147	ng	# 36
67) 4-Bromophenyl-phenylether	16.28	248	22895	5.034	ng	# 1

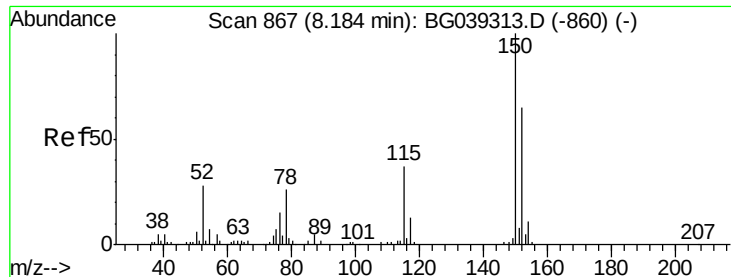
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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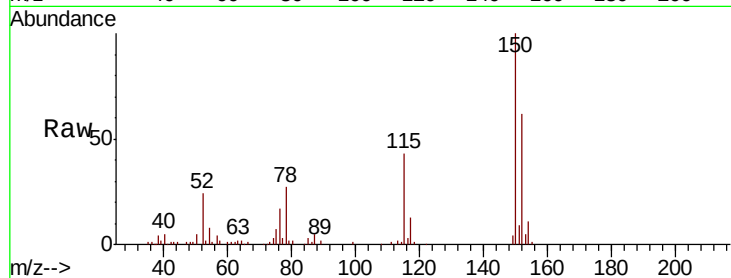


#1

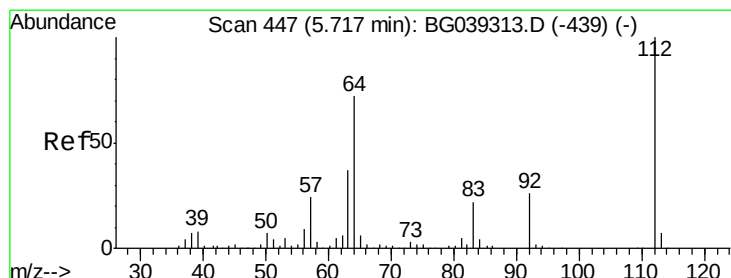
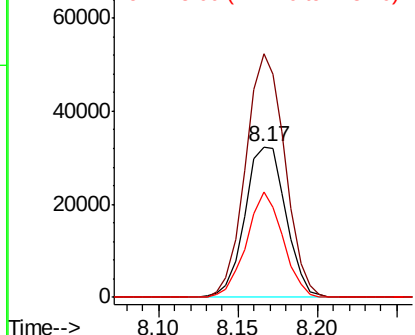
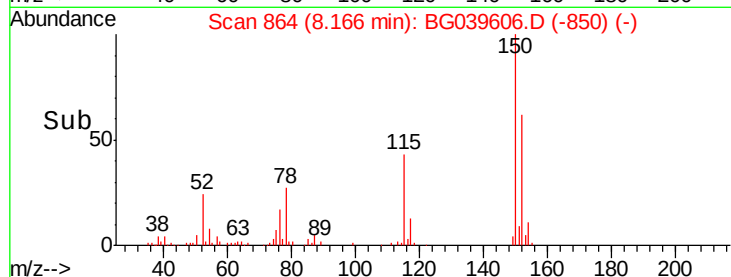
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039606.D
Acq: 26 Feb 2019 18:40

Instrument :
BNA_G
ClientSampleId :
TP-22

Tgt Ion:152 Resp: 58014
Ion Ratio Lower Upper
152 100
150 161.5 123.7 185.5
115 70.1 45.9 68.9#



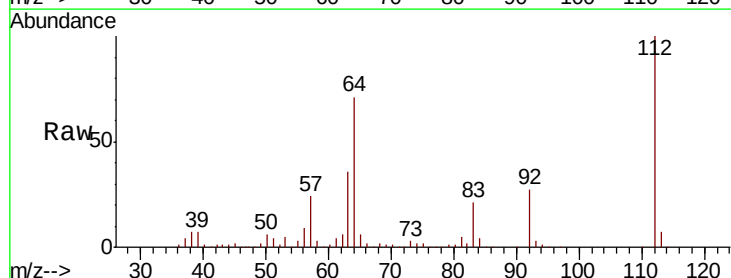
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



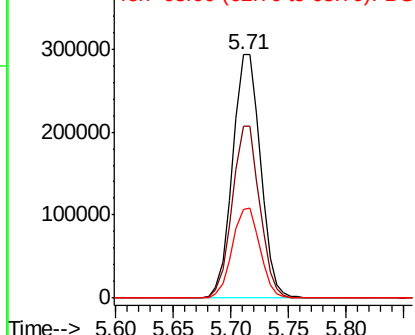
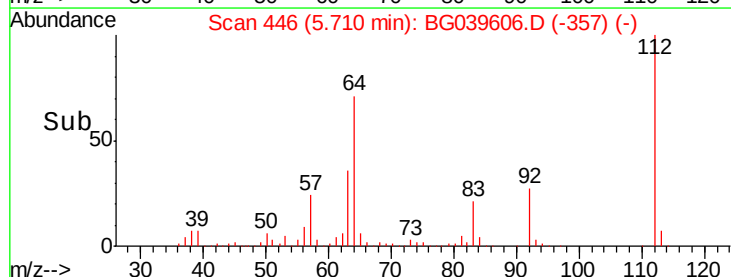
#5

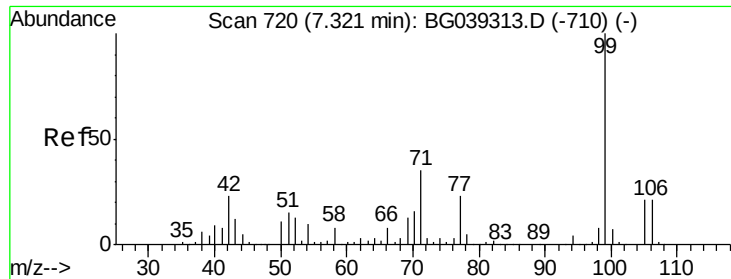
2-Fluorophenol
Concen: 145.525 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039606.D
Acq: 26 Feb 2019 18:40

Tgt Ion:112 Resp: 493277
Ion Ratio Lower Upper
112 100
64 70.8 57.8 86.8
63 36.3 29.8 44.6



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





#7

Phenol-d6

Concen: 145.144 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039606.D

Acq: 26 Feb 2019 18:40

Instrument :

BNA_G

ClientSampled :

TP-22

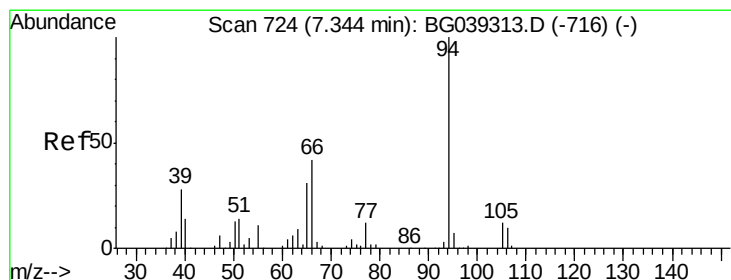
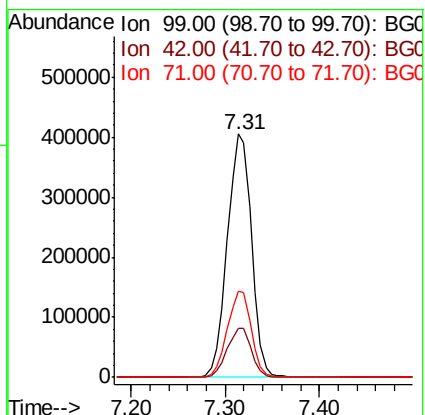
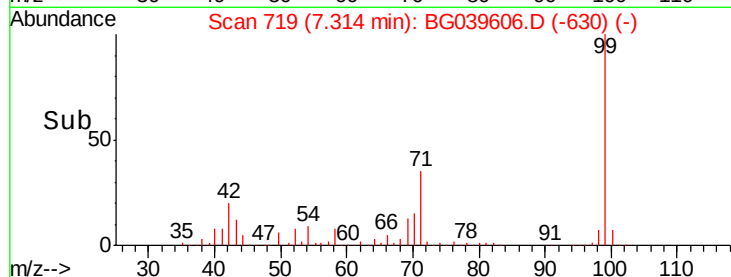
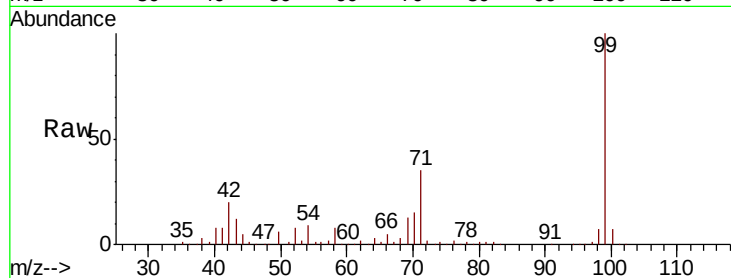
Tgt Ion: 99 Resp: 724189

Ion Ratio Lower Upper

99 100

42 19.9 18.2 27.2

71 35.5 28.0 42.0



#10

Phenol

Concen: 4.445 ng

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BG039606.D

Acq: 26 Feb 2019 18:40

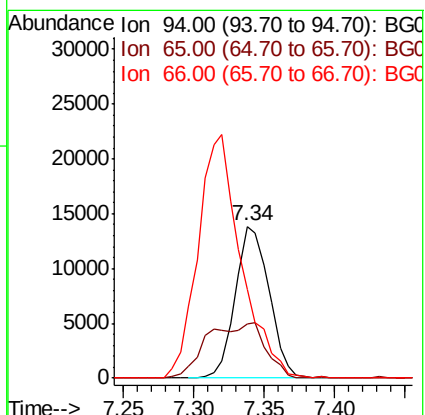
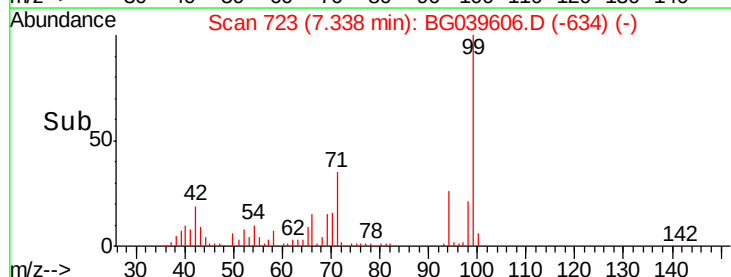
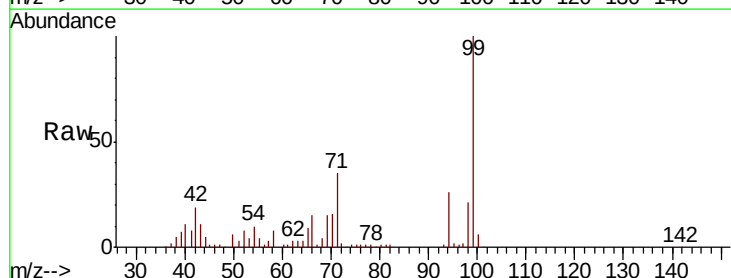
Tgt Ion: 94 Resp: 23117

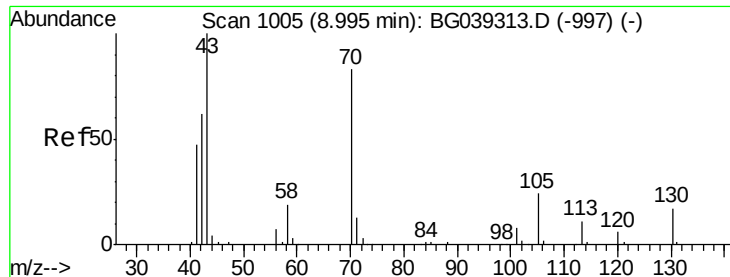
Ion Ratio Lower Upper

94 100

65 36.0 11.7 51.7

66 58.4 23.7 63.7

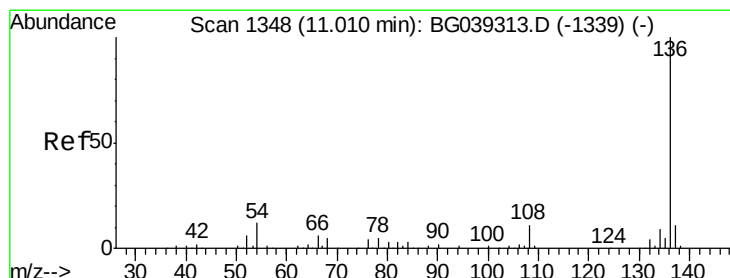
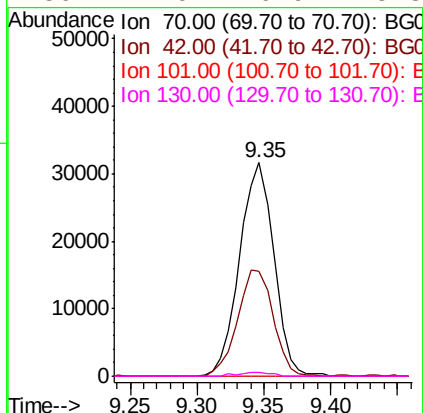
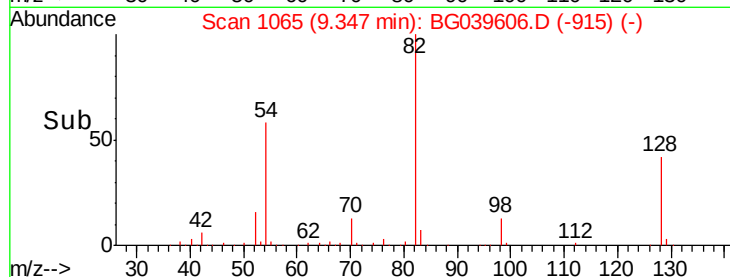
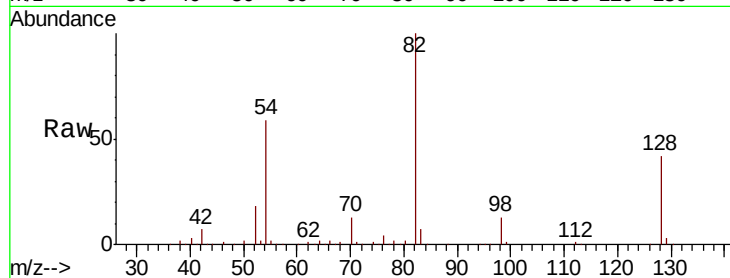




#19
n-Nitroso-di-n-propylamine
Concen: 15.897 ng
RT: 9.35 min Scan# 1065
Delta R.T. 0.35 min
Lab File: BG039606.D
Acq: 26 Feb 2019 18:40

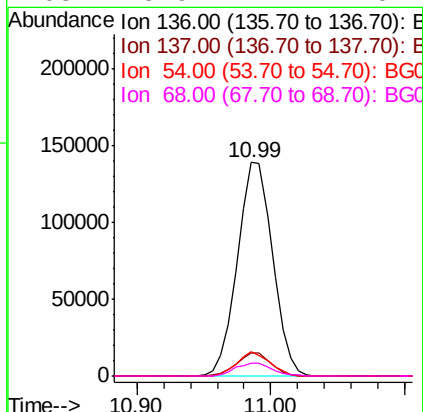
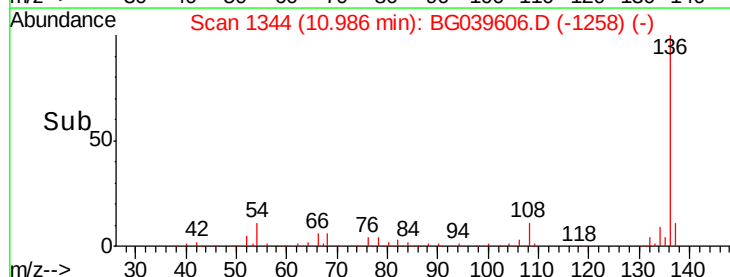
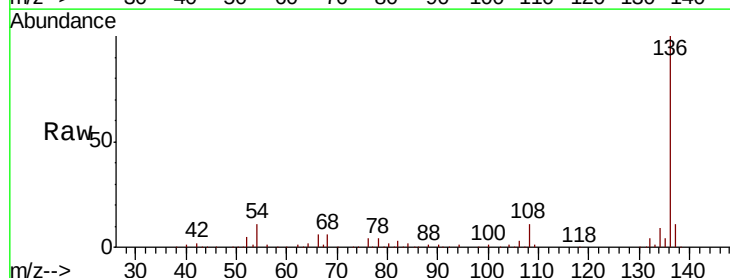
Instrument :
BNA_G
ClientSampleId :
TP-22

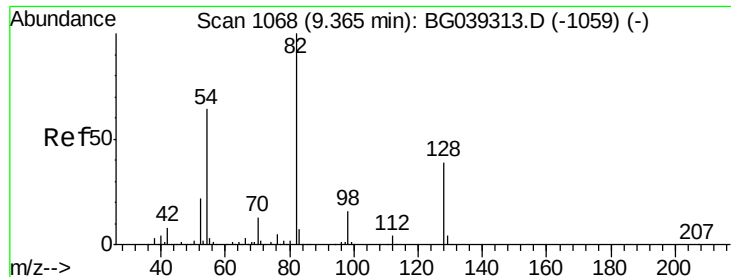
Tgt Ion: 70 Resp: 56295
Ion Ratio Lower Upper
70 100
42 48.9 60.4 90.6#
101 0.0 7.5 11.3#
130 2.0 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1344
Delta R.T. -0.02 min
Lab File: BG039606.D
Acq: 26 Feb 2019 18:40

Tgt Ion: 136 Resp: 253402
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 11.2 9.4 14.2
68 5.9 4.2 6.4





#23

Nitrobenzene-d5

Concen: 106.560 ng

RT: 9.35 min Scan# 1065

Delta R.T. -0.02 min

Lab File: BG039606.D

Acq: 26 Feb 2019 18:40

Instrument :

BNA_G

ClientSampleId :

TP-22

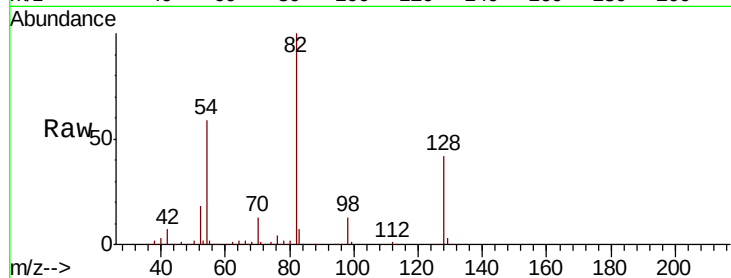
Tgt Ion: 82 Resp: 432235

Ion Ratio Lower Upper

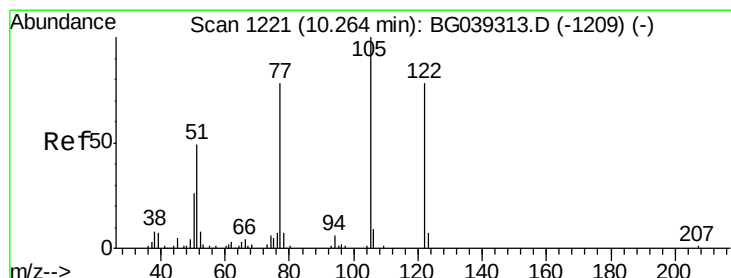
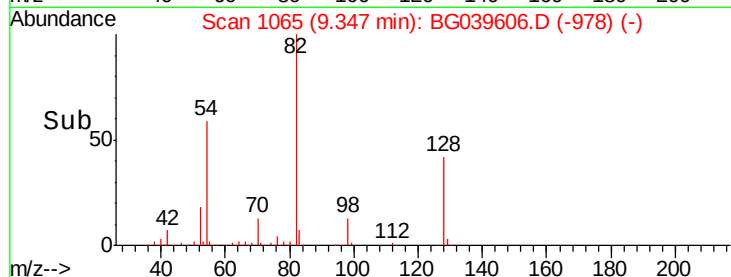
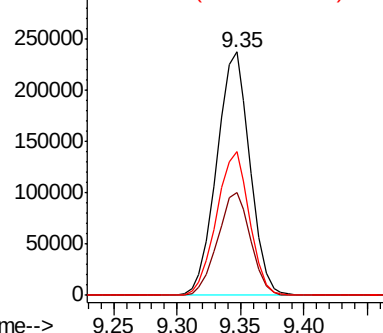
82 100

128 42.2 31.3 46.9

54 59.1 50.9 76.3



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: 9.042 ng

RT: 10.13 min Scan# 1199

Delta R.T. -0.13 min

Lab File: BG039606.D

Acq: 26 Feb 2019 18:40

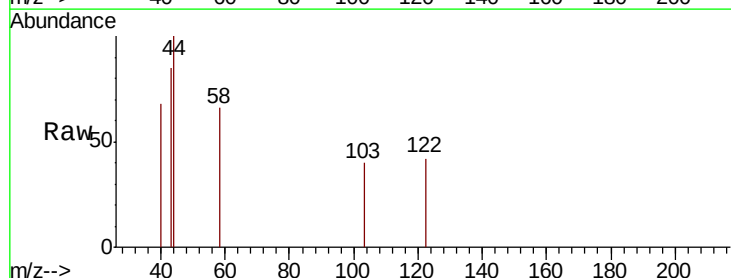
Tgt Ion: 122 Resp: 61

Ion Ratio Lower Upper

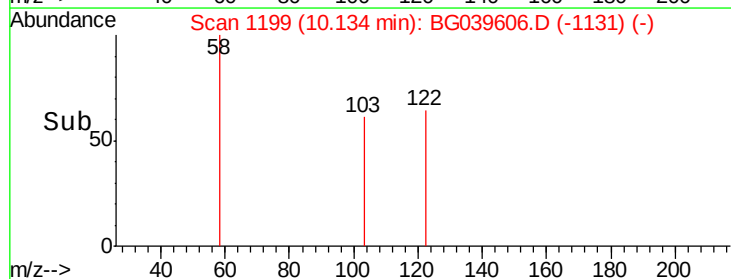
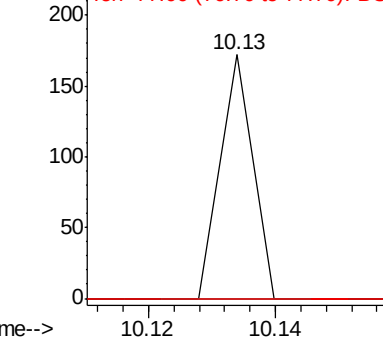
122 100

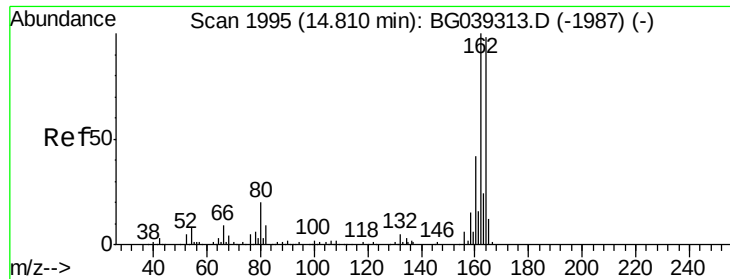
105 0.0 101.8 141.8#

77 0.0 76.3 116.3#



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039606.D

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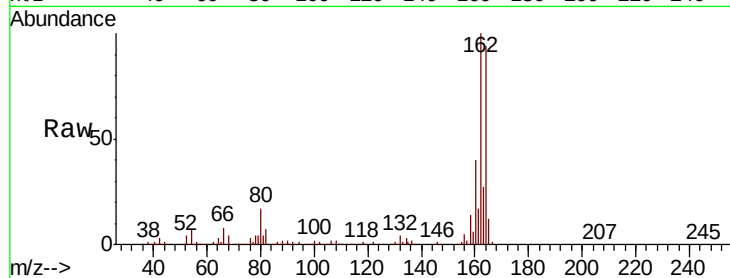
Tgt Ion:164 Resp: 169311

Ion Ratio Lower Upper

164 100

162 106.6 81.6 122.4

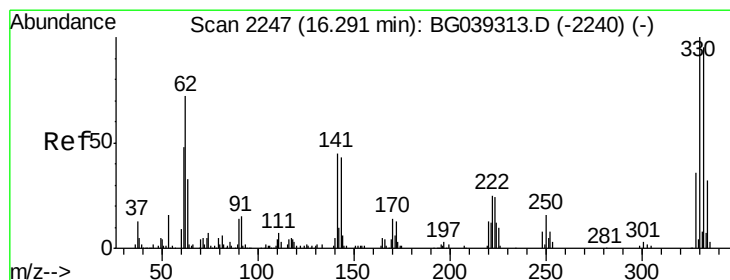
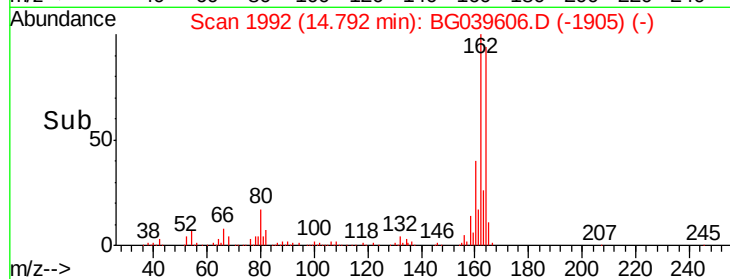
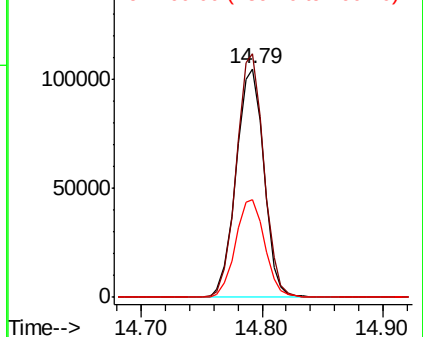
160 42.5 34.2 51.2



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: 161.066 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039606.D

Acq: 26 Feb 2019 18:40

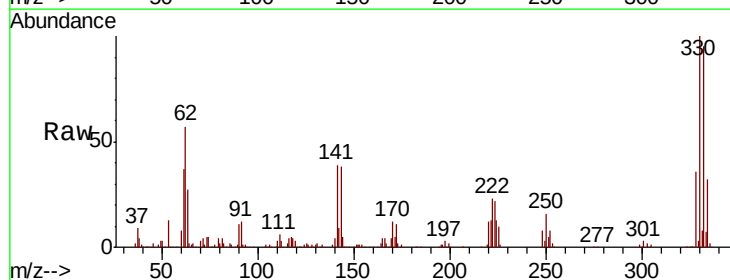
Tgt Ion:330 Resp: 293653

Ion Ratio Lower Upper

330 100

332 95.8 75.7 113.5

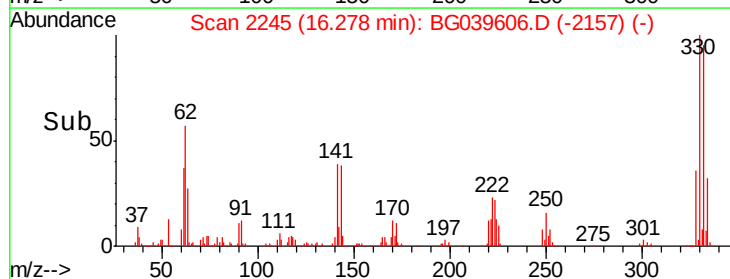
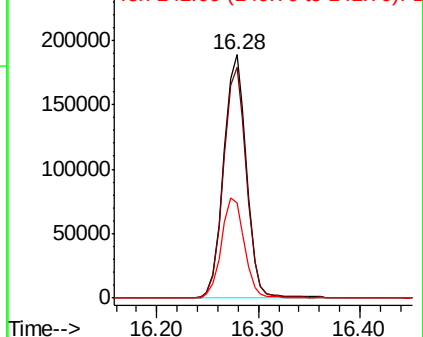
141 41.5 35.6 53.4

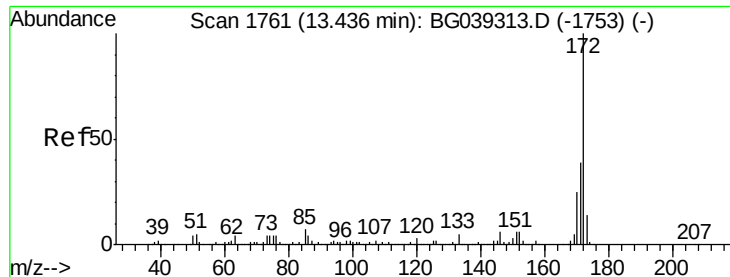


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

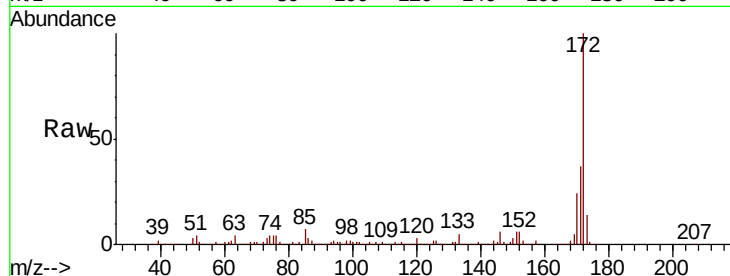




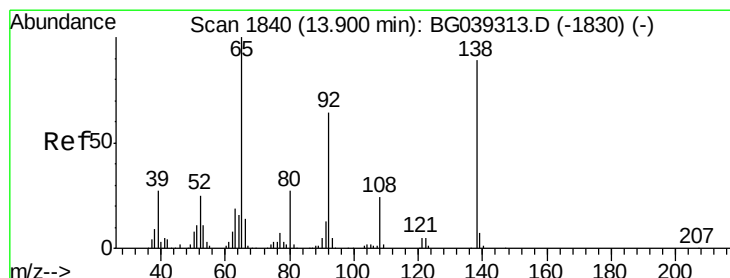
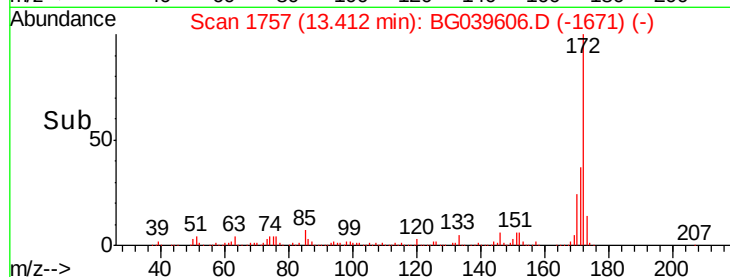
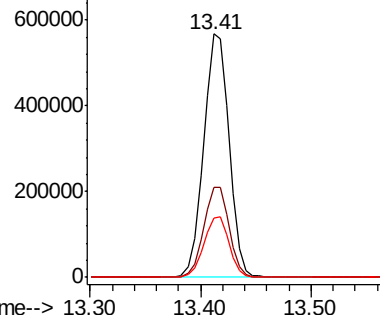
#45
2-Fluorobiphenyl
Concen: 77.864 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.02 min
Lab File: BG039606.D
Acq: 26 Feb 2019 18:40

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ClientSampleId :
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Tgt Ion: 172 Resp: 918975
Ion Ratio Lower Upper
172 100
171 36.8 30.8 46.2
170 24.3 20.2 30.4

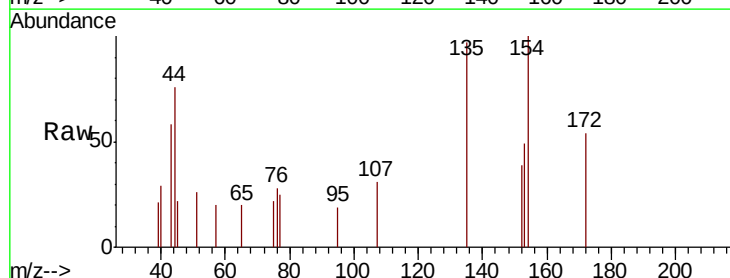


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

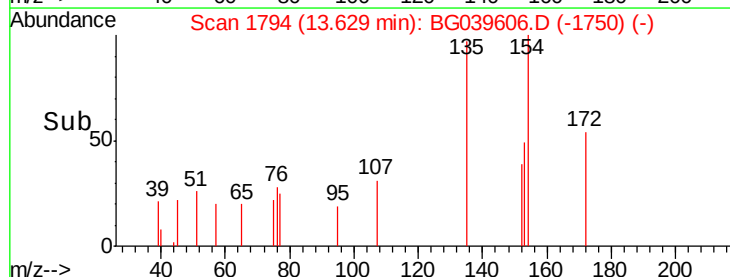
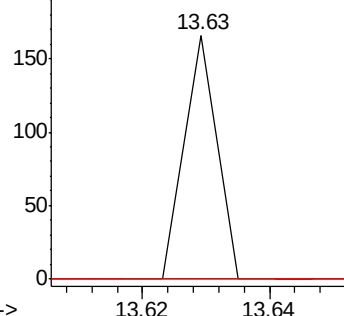


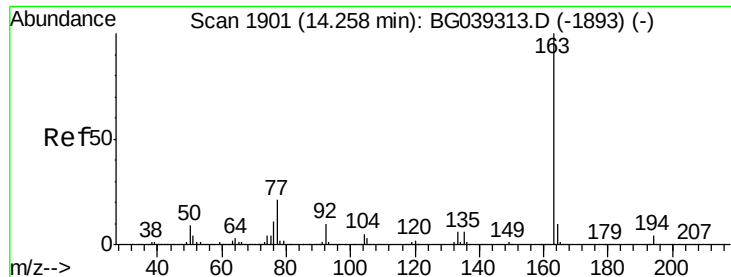
#48
2-Nitroaniline
Concen: 8.312 ng
RT: 13.63 min Scan# 1794
Delta R.T. -0.27 min
Lab File: BG039606.D
Acq: 26 Feb 2019 18:40

Tgt Ion: 65 Resp: 59
Ion Ratio Lower Upper
65 100
92 0.0 51.4 77.2#
138 0.0 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E





#50

Dimethylphthalate

Concen: 5.332 ng

RT: 14.23 min Scan# 1897

Delta R.T. -0.02 min

Lab File: BG039606.D

Acq: 26 Feb 2019 18:40

Instrument :

BNA_G

ClientSampleId :

TP-22

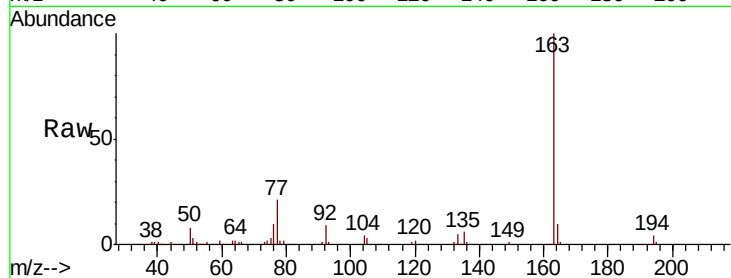
Tgt Ion:163 Resp: 72905

Ion Ratio Lower Upper

163 100

194 4.1 3.6 5.4

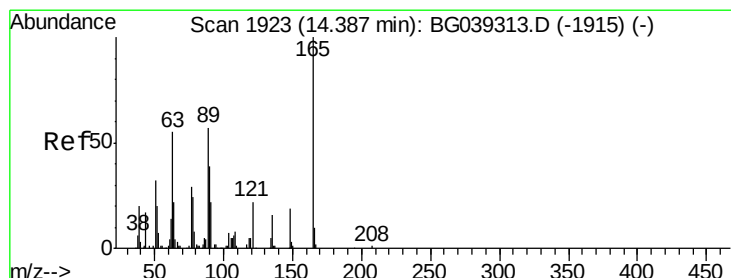
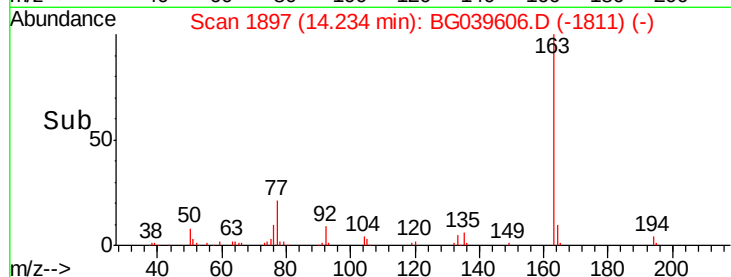
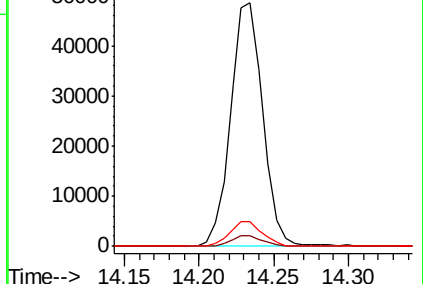
164 9.9 8.4 12.6



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



#51

2,6-Dinitrotoluene

Concen: 6.839 ng

RT: 14.23 min Scan# 1896

Delta R.T. -0.16 min

Lab File: BG039606.D

Acq: 26 Feb 2019 18:40

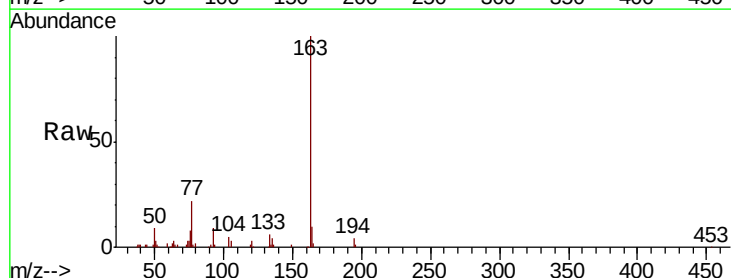
Tgt Ion:165 Resp: 828

Ion Ratio Lower Upper

165 100

63 112.2 47.0 70.6#

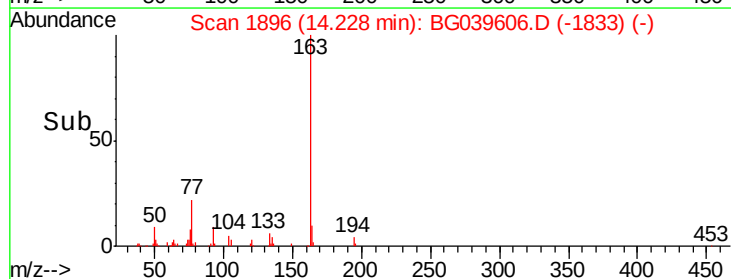
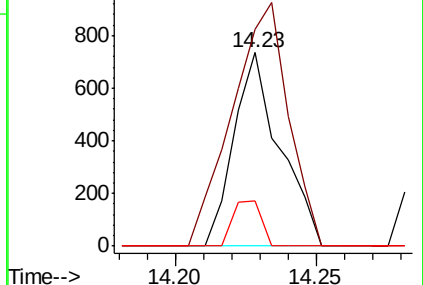
89 23.7 45.8 68.8#

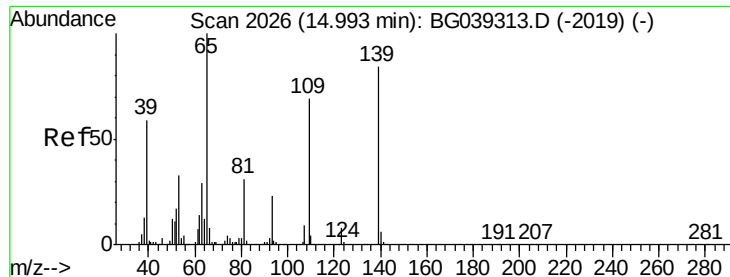


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#56

4-Nitrophenol

Concen: 5.817 ng

RT: 15.19 min Scan# 2060

Delta R.T. 0.20 min

Lab File: BG039606.D

Acq: 26 Feb 2019 18:40

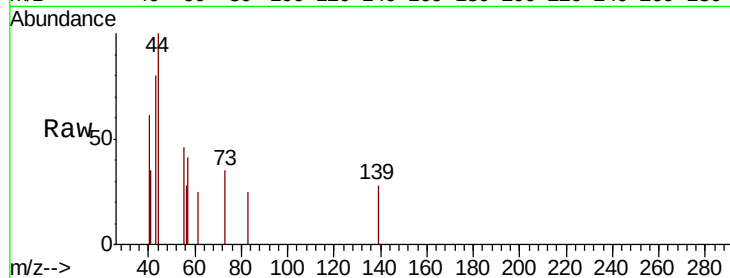
Instrument :

BNA_G

ClientSampleId :

TP-22

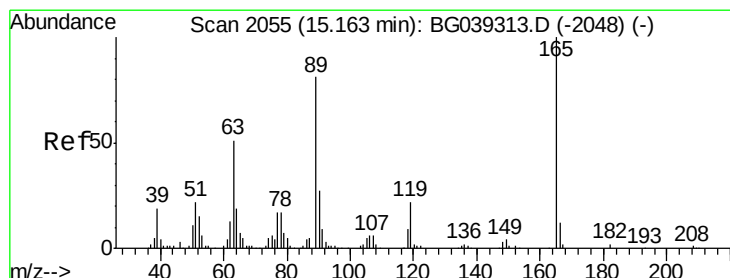
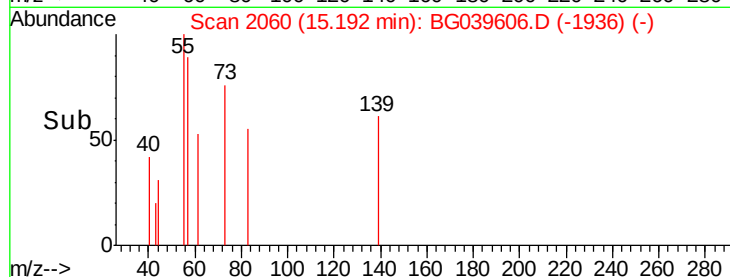
Tgt Ion:	139	Resp:	62
Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

15.19

Time-->



#57

2,4-Dinitrotoluene

Concen: 13.458 ng

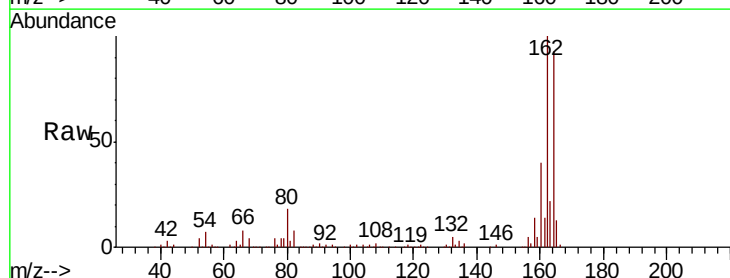
RT: 14.79 min Scan# 1991

Delta R.T. -0.38 min

Lab File: BG039606.D

Acq: 26 Feb 2019 18:40

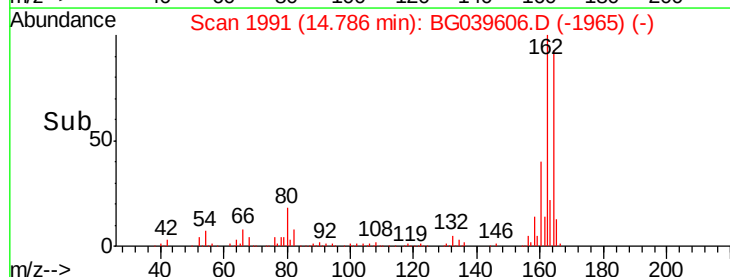
Tgt Ion:	165	Resp:	22032
Ion	Ratio	Lower	Upper
165	100		
63	1.3	41.0	61.6#
89	2.0	64.6	96.8#
182	0.0	2.0	3.0#

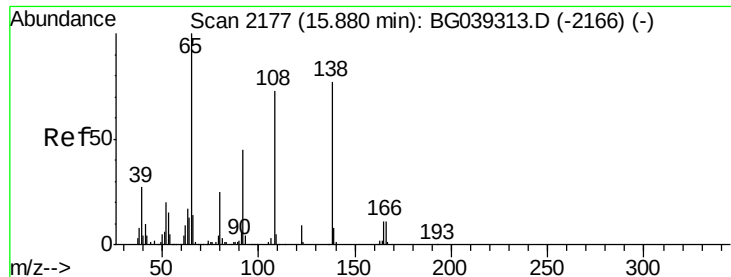


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

14.79

Time-->





#62

4-Nitroaniline

Concen: 4.220 ng

RT: 16.26 min Scan# 2242

Delta R.T. 0.38 min

Lab File: BG039606.D

Acq: 26 Feb 2019 18:40

Instrument :

BNA_G

ClientSampled :

TP-22

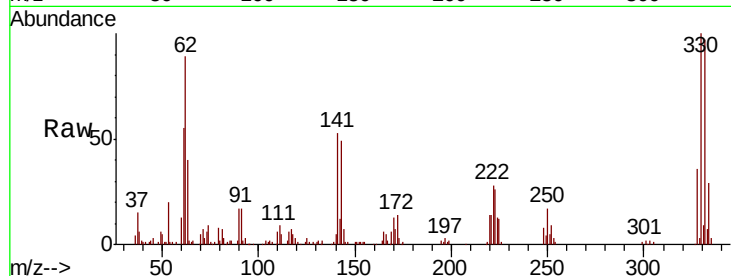
Tgt Ion:138 Resp: 56

Ion Ratio Lower Upper

138 100

92 841.9 38.7 78.7#

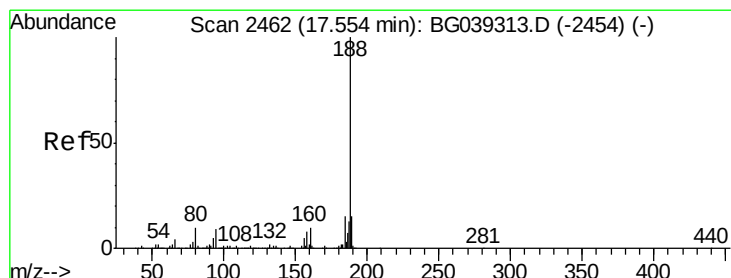
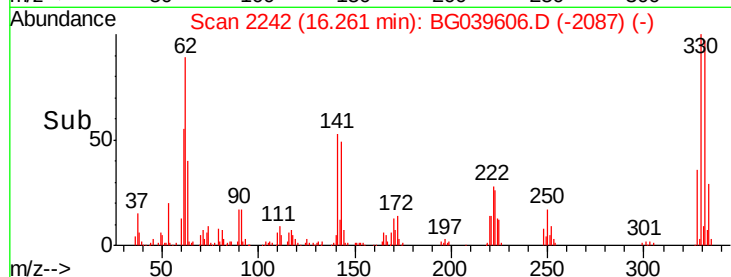
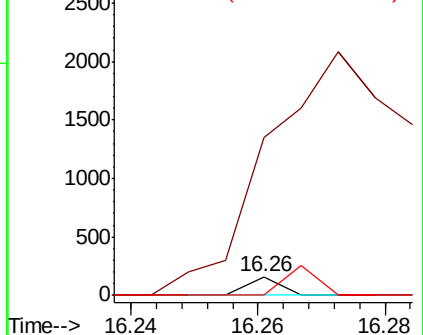
108 0.0 74.6 114.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039606.D

Acq: 26 Feb 2019 18:40

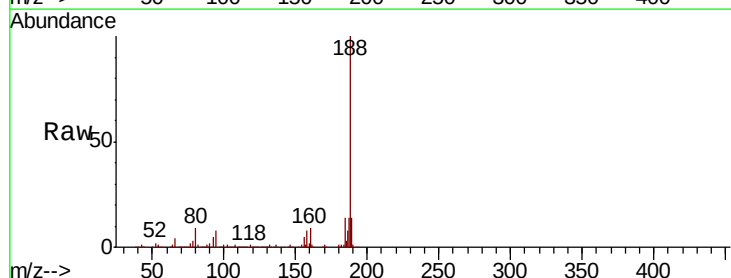
Tgt Ion:188 Resp: 409999

Ion Ratio Lower Upper

188 100

94 7.6 6.9 10.3

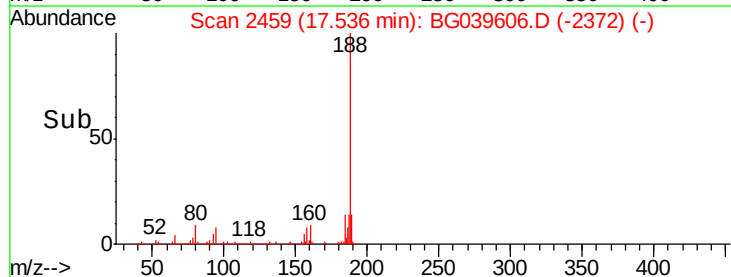
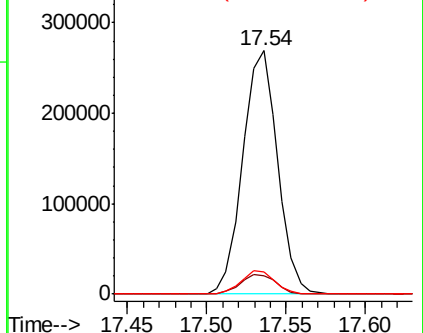
80 9.1 8.1 12.1

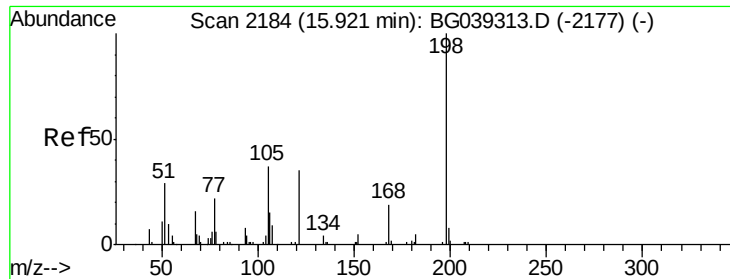


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

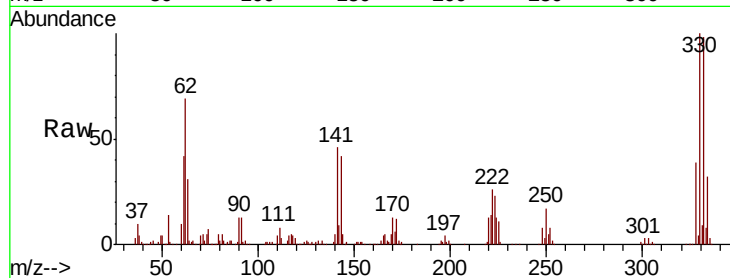




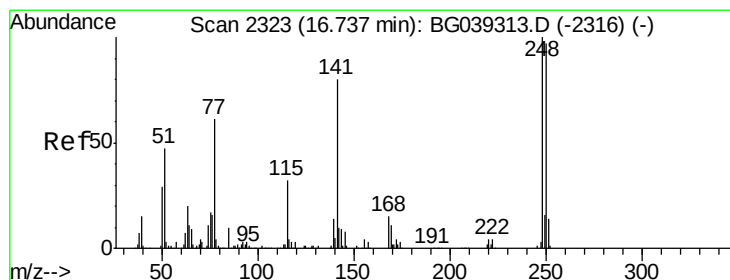
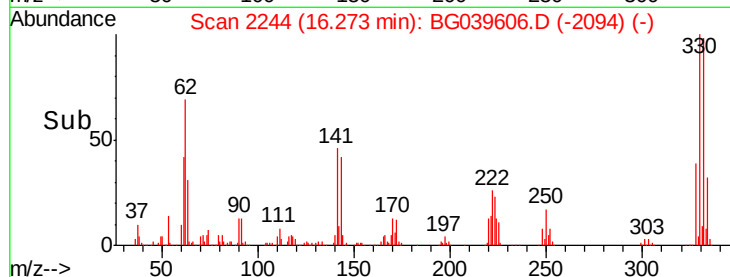
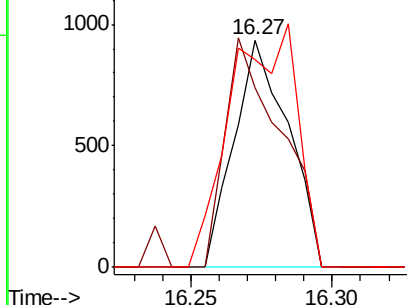
#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.147 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. 0.35 min
 Lab File: BG039606.D
 Acq: 26 Feb 2019 18:40

Instrument :
 BNA_G
 ClientSampled :
 TP-22

Tgt Ion:198 Resp: 1244
 Ion Ratio Lower Upper
 198 100
 51 79.1 27.4 67.4#
 105 91.5 19.7 59.7#

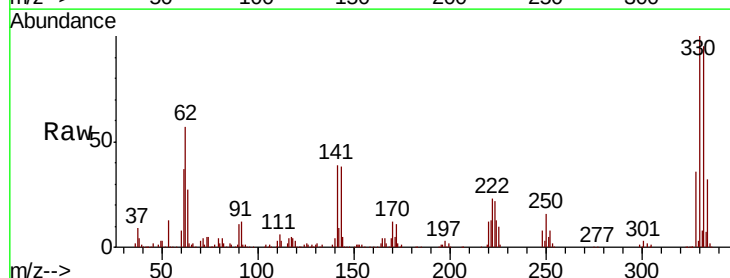


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

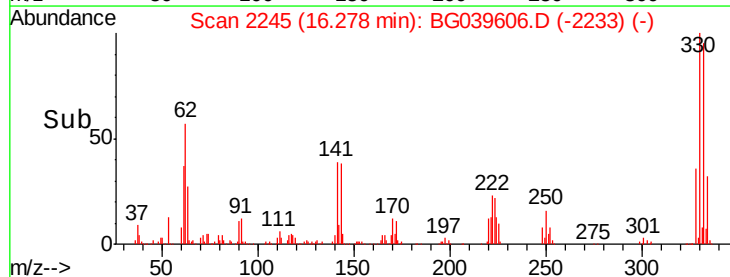
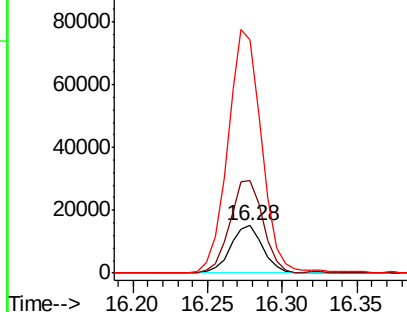


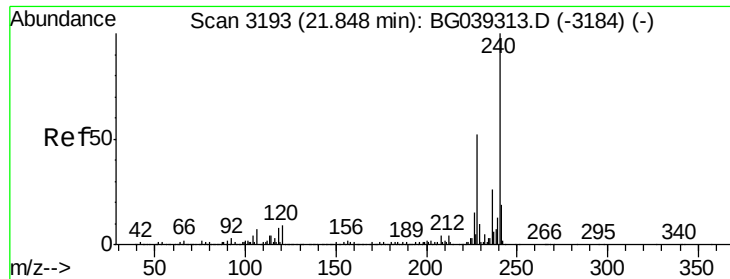
#67
 4-Bromophenyl-phenylether
 Concen: 5.034 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039606.D
 Acq: 26 Feb 2019 18:40

Tgt Ion:248 Resp: 22895
 Ion Ratio Lower Upper
 248 100
 250 195.1 77.6 116.4#
 141 493.2 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

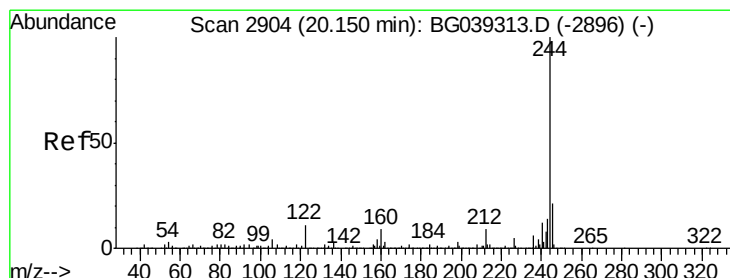
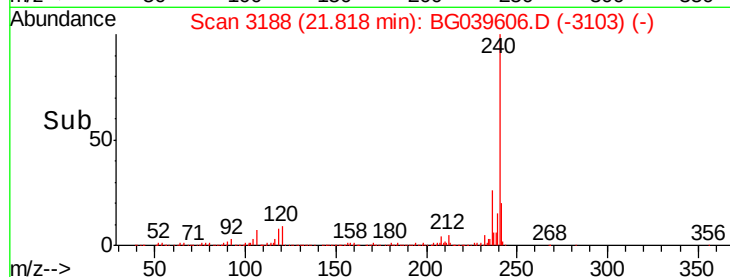
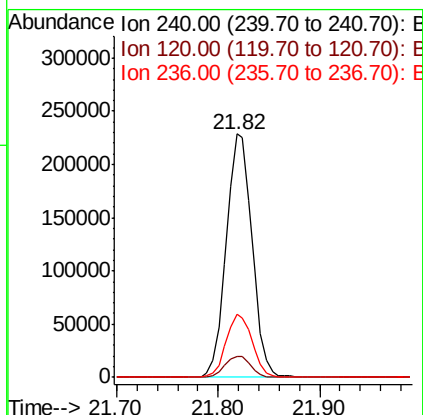
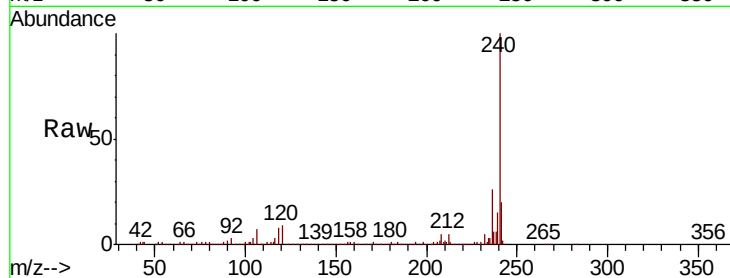




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3188
Delta R.T. -0.03 min
Lab File: BG039606.D
Acq: 26 Feb 2019 18:40

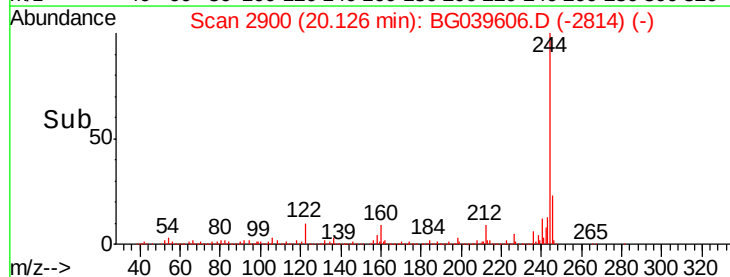
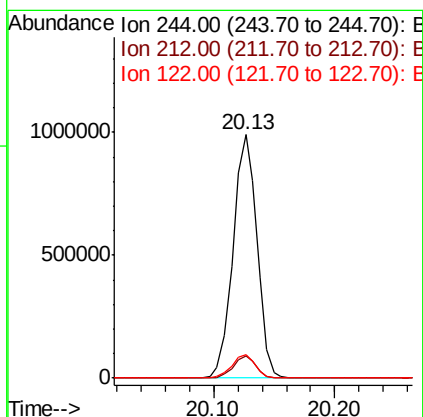
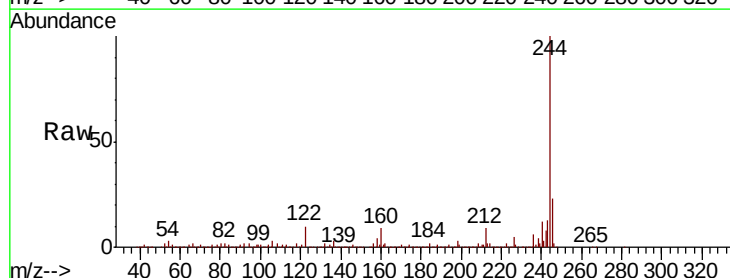
Instrument :
BNA_G
ClientSampleId :
TP-22

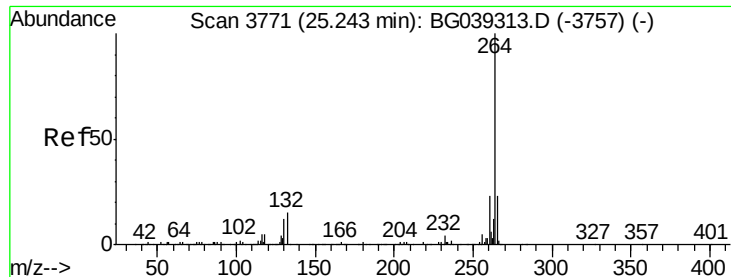
Tgt Ion:240 Resp: 403640
Ion Ratio Lower Upper
240 100
120 8.8 7.0 10.6
236 25.9 21.0 31.4



#79
Terphenyl-d14
Concen: 71.456 ng
RT: 20.13 min Scan# 2900
Delta R.T. -0.02 min
Lab File: BG039606.D
Acq: 26 Feb 2019 18:40

Tgt Ion:244 Resp: 1362627
Ion Ratio Lower Upper
244 100
212 9.3 7.3 10.9
122 9.5 8.4 12.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.20 min Scan# 3764
Delta R.T. -0.04 min
Lab File: BG039606.D
Acq: 26 Feb 2019 18:40

Instrument :
BNA_G
ClientSampleId :
TP-22

Tgt Ion:	264	Resp:	405424
Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.2	27.4
265	21.5	18.5	27.7

