

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022819\
 Data File : BG039668.D
 Acq On : 28 Feb 2019 20:17
 Operator : JU/SJ
 Sample : K1628-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 06:05:28 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	57304	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	244981	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	167735	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	408964	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	399284	20.00	ng	-0.02
87) Perylene-d12	25.20	264	411073	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	495059	147.86	ng	0.00
7) Phenol-d6	7.31	99	726368	147.38	ng	0.00
23) Nitrobenzene-d5	9.34	82	431954	110.15	ng	-0.02
42) 2,4,6-Tribromophenol	16.27	330	283825	157.14	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	986865	84.40	ng	-0.02
79) Terphenyl-d14	20.13	244	1359884	72.09	ng	-0.02

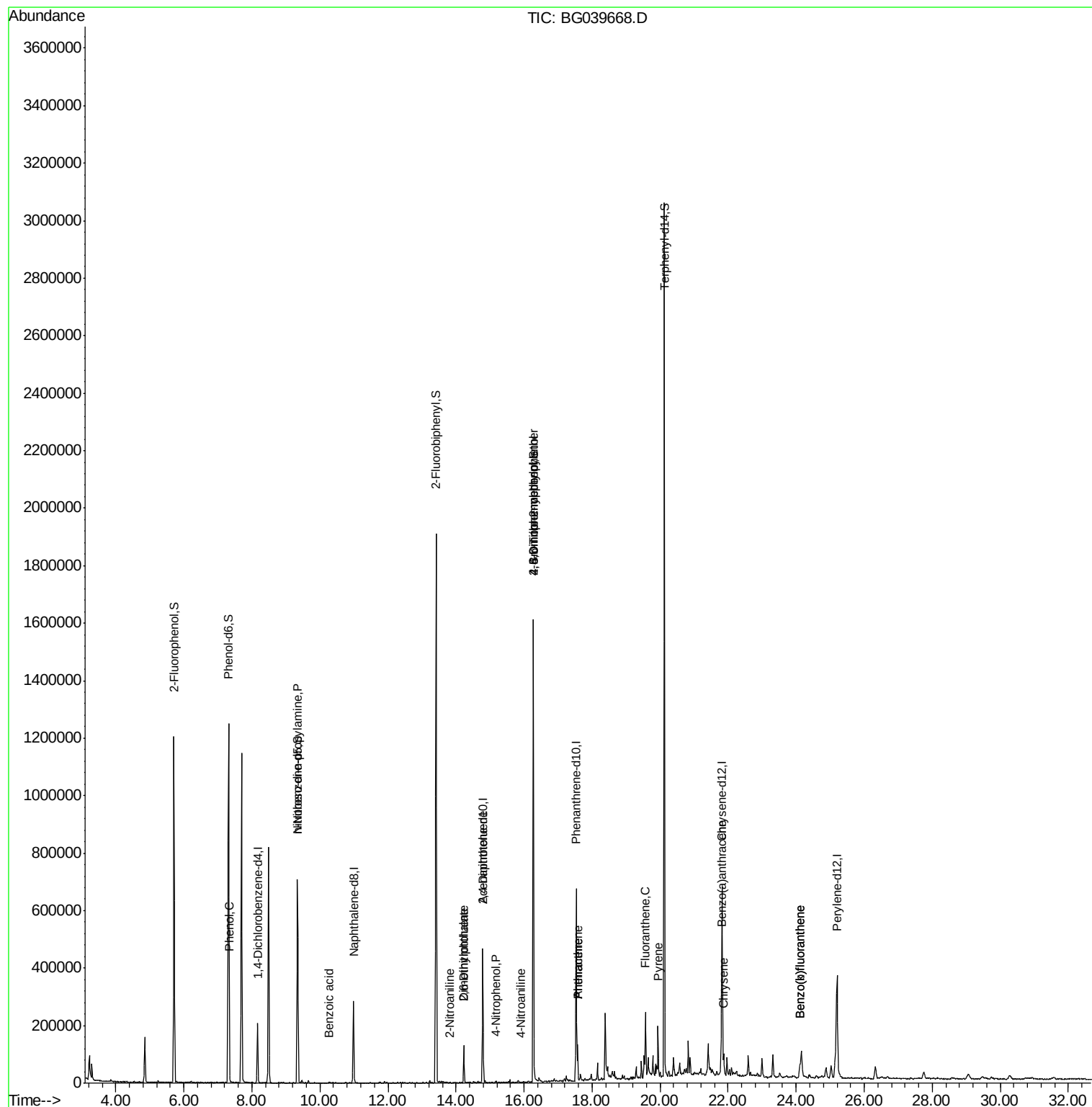
Target Compounds				Qvalue		
9) Benzaldehyde	7.31	77	1486	Below Cal	#	14
10) Phenol	7.34	94	12764	2.484	ng	97
19) n-Nitroso-di-n-propylamine	9.34	70	55910	15.984	ng	67
32) Benzoic acid	10.26	122	63	9.043	ng	18
48) 2-Nitroaniline	13.83	65	55	8.311	ng	10
50) Dimethylphthalate	14.23	163	89466	6.604	ng	98
51) 2,6-Dinitrotoluene	14.23	165	956	6.885	ng	26
56) 4-Nitrophenol	15.19	139	1376	6.315	ng	1
57) 2,4-Dinitrotoluene	14.79	165	21370	13.340	ng	20
62) 4-Nitroaniline	15.90	138	57	4.221	ng	10
65) 4,6-Dinitro-2-methylphenol	16.27	198	1086	5.026	ng	1
67) 4-Bromophenyl-phenylether	16.27	248	22626	4.987	ng	1
71) Phenanthrene	17.58	178	83071	3.925	ng	94
72) Anthracene	17.58	178	83071	3.984	ng	95
75) Fluoranthene	19.57	202	125365	5.103	ng	96
78) Pyrene	19.94	202	110998	4.466	ng	99
81) Benzo(a)anthracene	21.80	228	62174	2.635	ng	97
83) Chrysene	21.87	228	54600	2.431	ng	94
88) Benzo(b)fluoranthene	24.11	252	63047	2.812	ng	96
89) Benzo(k)fluoranthene	24.11	252	63047	2.801	ng	97

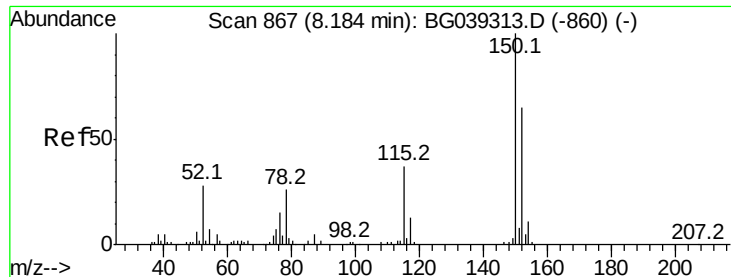
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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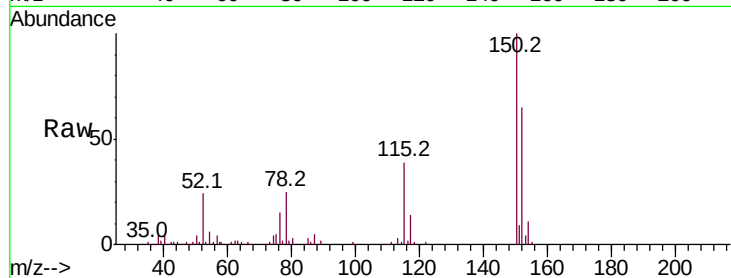


#1

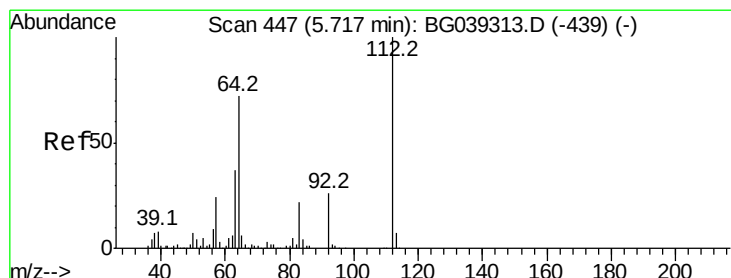
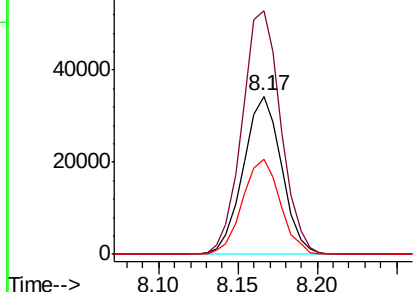
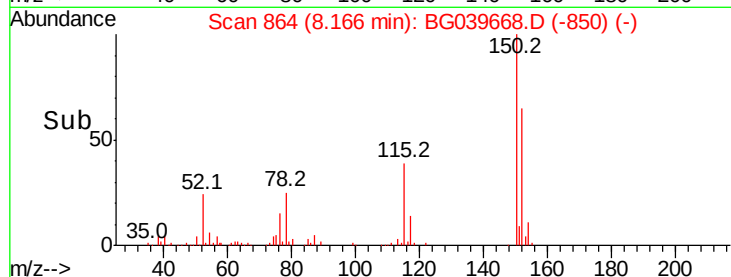
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039668.D
Acq: 28 Feb 2019 20:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 57304
Ion Ratio Lower Upper
152 100
150 153.8 123.7 185.5
115 60.1 45.9 68.9



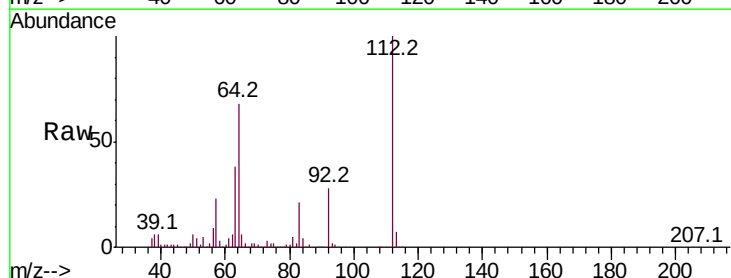
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



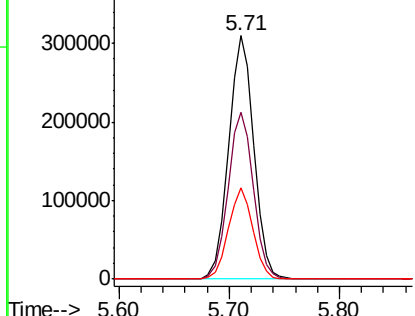
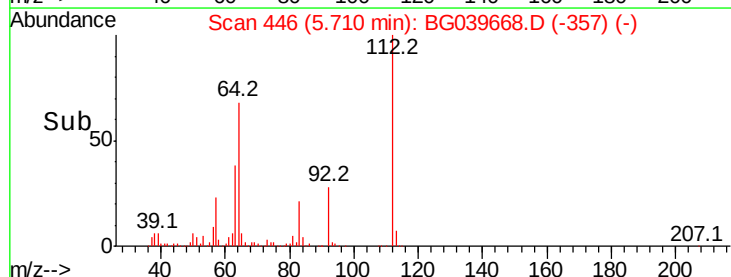
#5

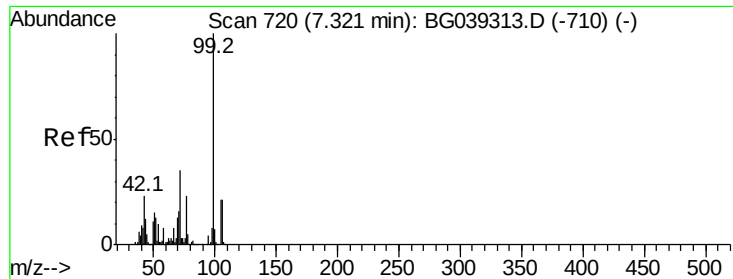
2-Fluorophenol
Concen: 147.860 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039668.D
Acq: 28 Feb 2019 20:17

Tgt Ion:112 Resp: 495059
Ion Ratio Lower Upper
112 100
64 68.3 57.8 86.8
63 37.5 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: 147.384 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039668.D

Acq: 28 Feb 2019 20:17

Instrument :

BNA_G

ClientSampled :

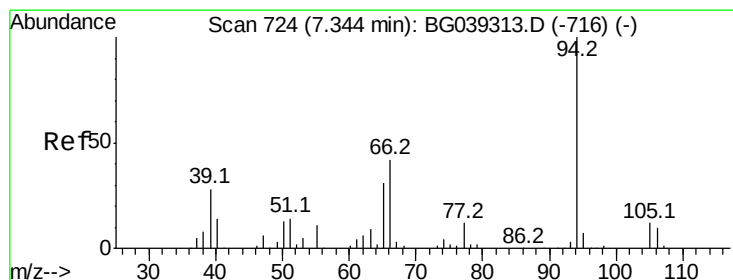
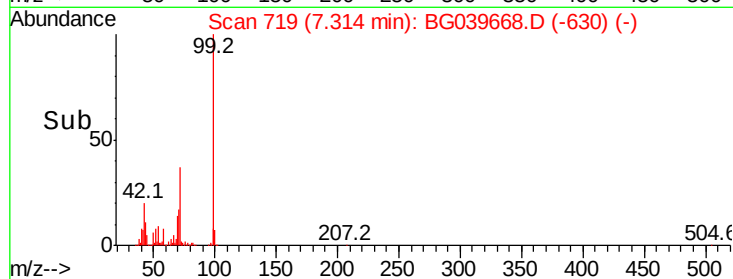
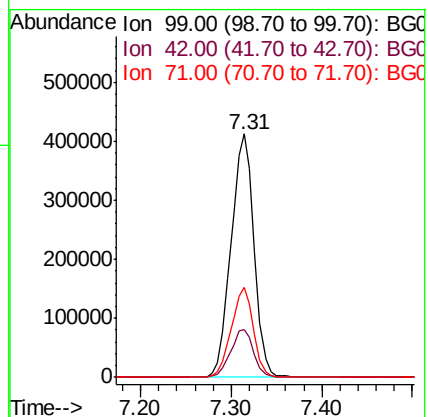
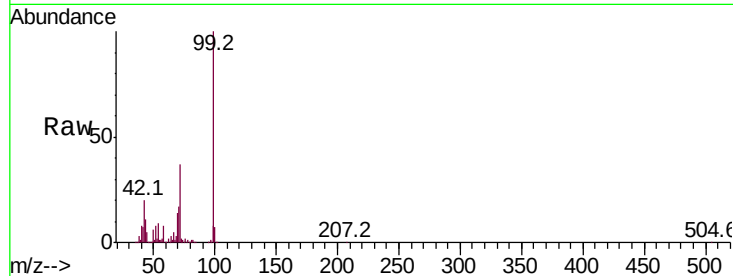
Tot Ion: 99 Resp: 726368

Ion Ratio Lower Upper

99 100

42 19.7 18.2 27.2

71 37.1 28.0 42.0



#10

Phenol

Concen: 2.484 ng

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BG039668.D

Acq: 28 Feb 2019 20:17

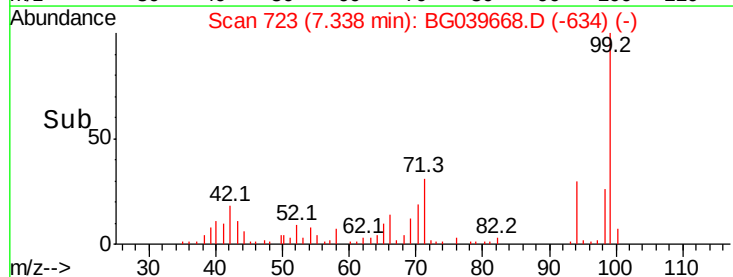
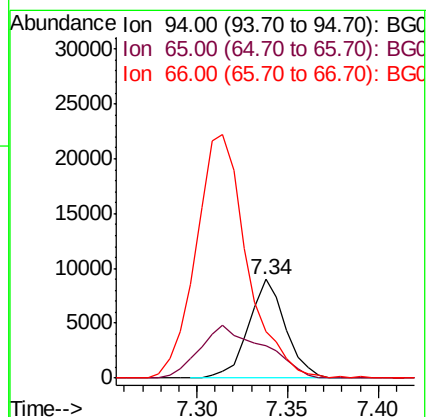
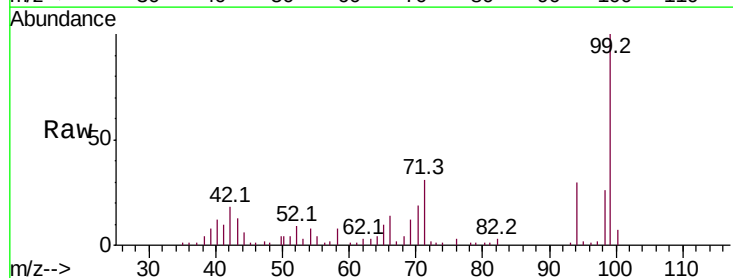
Tgt Ion: 94 Resp: 12764

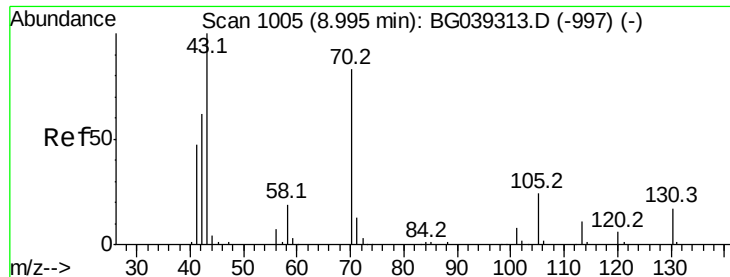
Ion Ratio Lower Upper

94 100

65 32.4 11.7 51.7

66 46.7 23.7 63.7

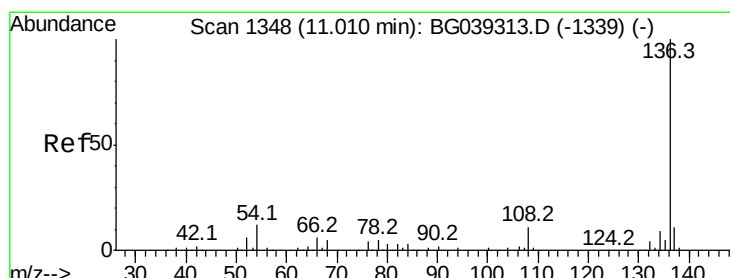
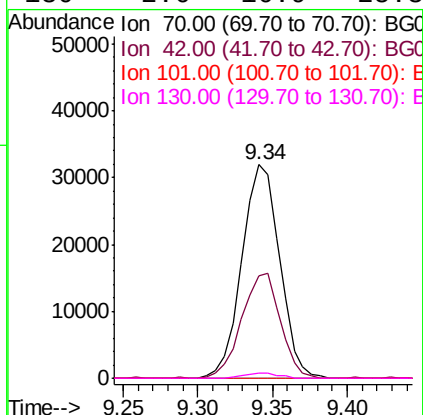
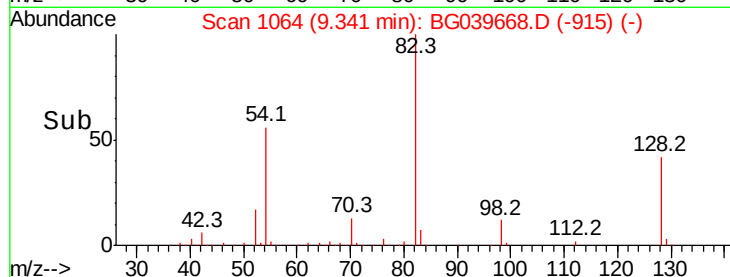
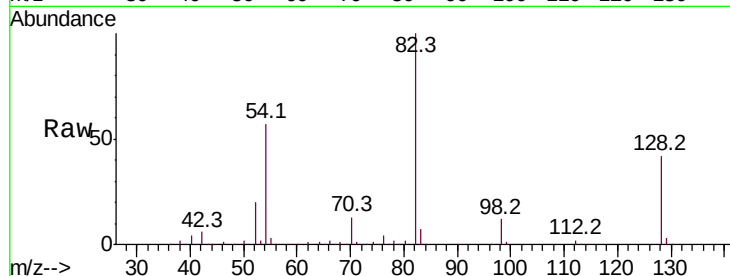




#19
n-Nitroso-di-n-propylamine
Concen: 15.984 ng
RT: 9.34 min Scan# 1064
Delta R.T. 0.35 min
Lab File: BG039668.D
Acq: 28 Feb 2019 20:17

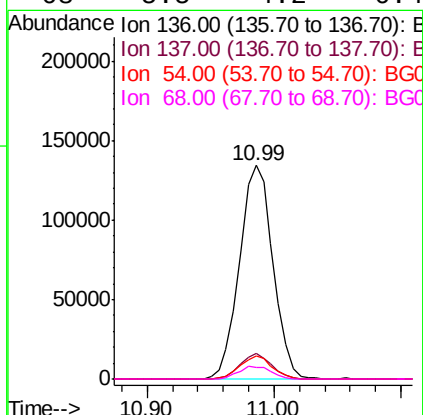
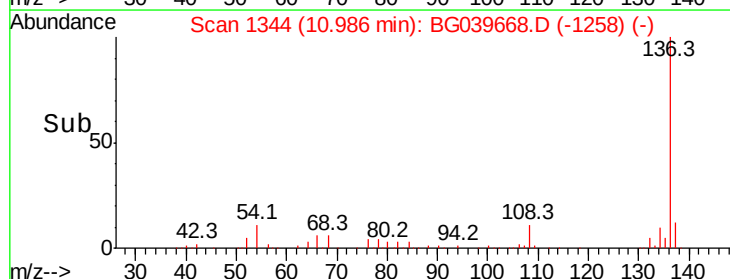
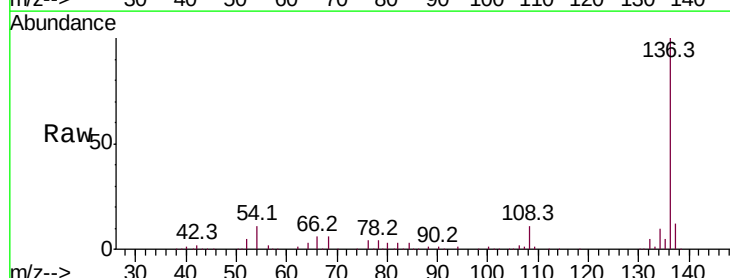
Instrument :
BNA_G
ClientSampleId :

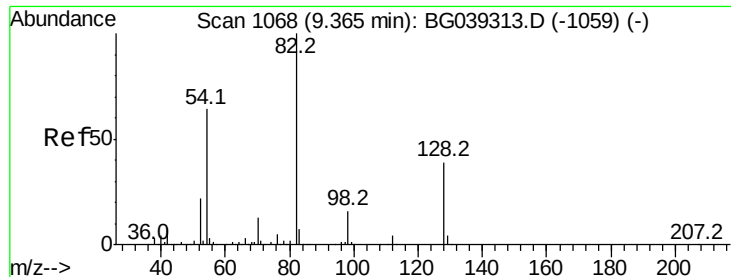
Tot Ion: 70 Resp: 55910
Ion Ratio Lower Upper
70 100
42 48.1 60.4 90.6#
101 0.0 7.5 11.3#
130 2.6 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1344
Delta R.T. -0.02 min
Lab File: BG039668.D
Acq: 28 Feb 2019 20:17

Tgt Ion: 136 Resp: 244981
Ion Ratio Lower Upper
136 100
137 11.7 9.1 13.7
54 11.0 9.4 14.2
68 5.5 4.2 6.4

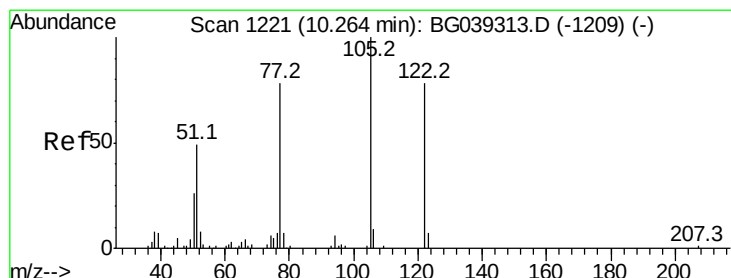
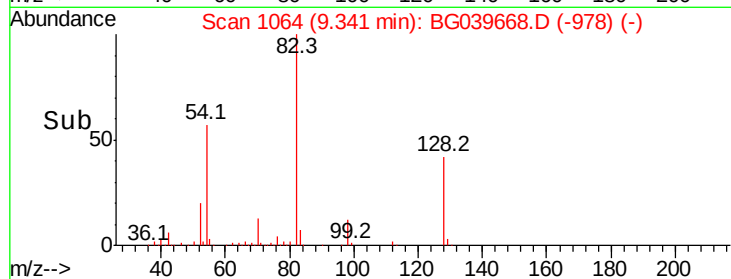
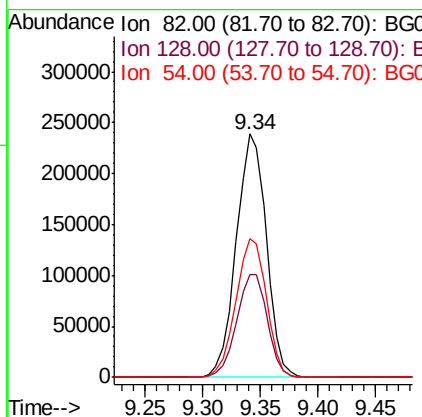
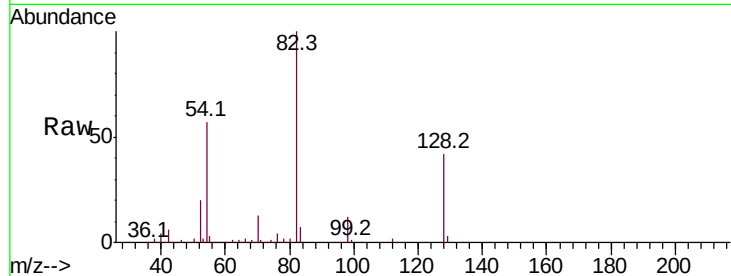




#23
 Nitrobenzene-d5
 Concen: 110.151 ng
 RT: 9.34 min Scan# 1064
 Delta R.T. -0.02 min
 Lab File: BG039668.D
 Acq: 28 Feb 2019 20:17

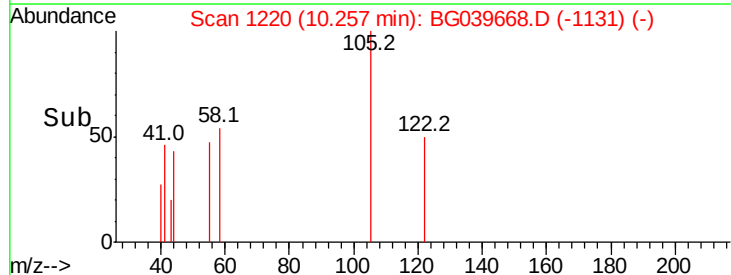
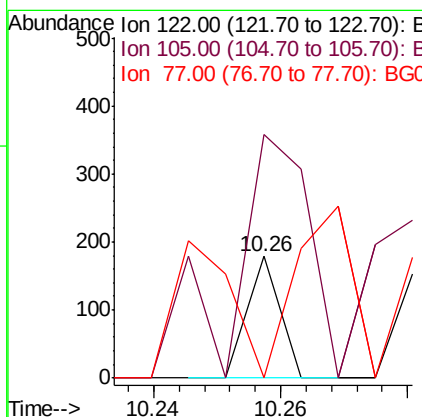
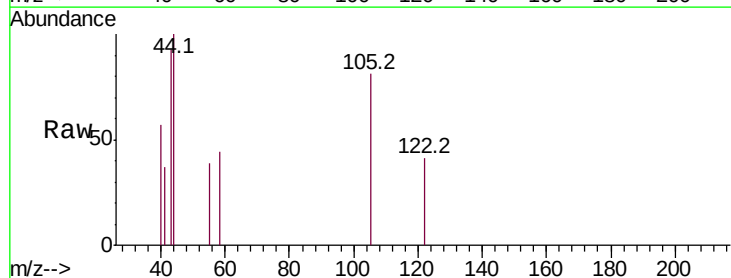
Instrument :
 BNA_G
 ClientSampled :

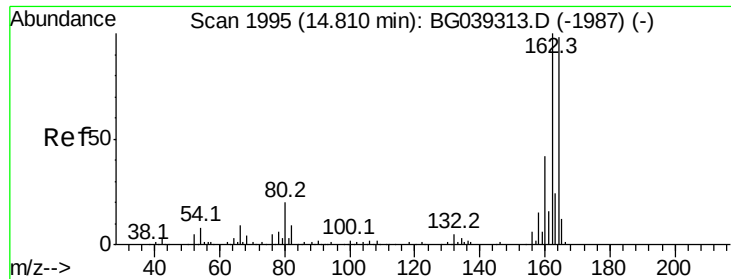
Tot Ion: 82 Resp: 431954
 Ion Ratio Lower Upper
 82 100
 128 42.2 31.3 46.9
 54 57.0 50.9 76.3



#32
 Benzoic acid
 Concen: 9.043 ng
 RT: 10.26 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: BG039668.D
 Acq: 28 Feb 2019 20:17

Tgt Ion: 122 Resp: 63
 Ion Ratio Lower Upper
 122 100
 105 200.0 101.8 141.8#
 77 0.0 76.3 116.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.02 min

Lab File: BG039668.D

Acq: 28 Feb 2019 20:17

Instrument :

BNA_G

ClientSampleId :

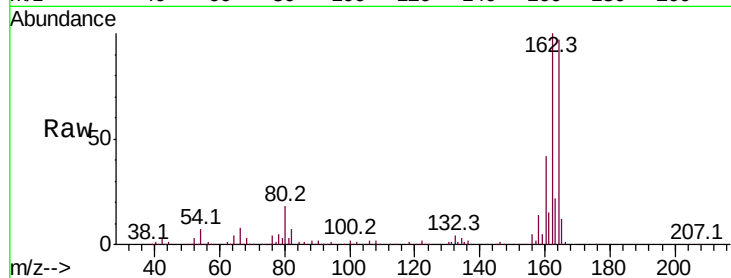
Tot Ion:164 Resp: 167735

Ion Ratio Lower Upper

164 100

162 103.5 81.6 122.4

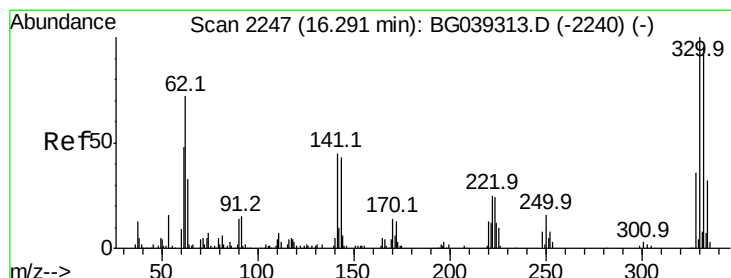
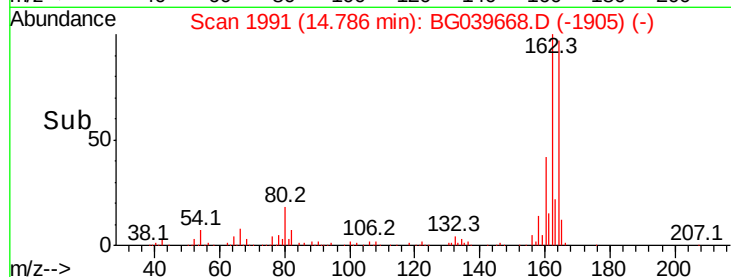
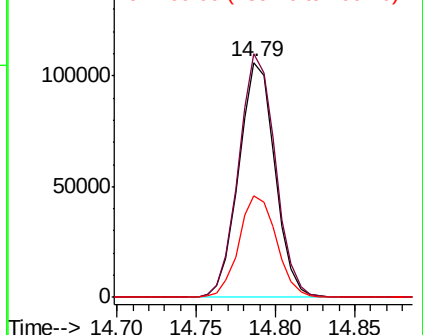
160 43.0 34.2 51.2



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: 157.138 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.02 min

Lab File: BG039668.D

Acq: 28 Feb 2019 20:17

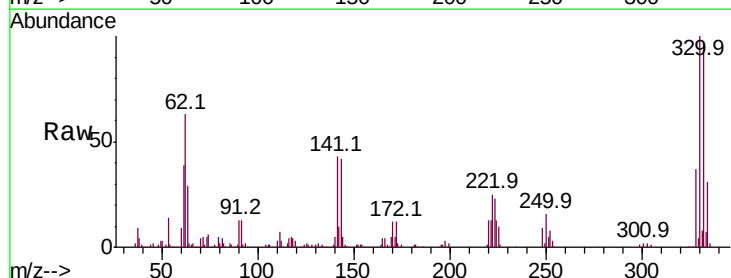
Tgt Ion:330 Resp: 283825

Ion Ratio Lower Upper

330 100

332 96.7 75.7 113.5

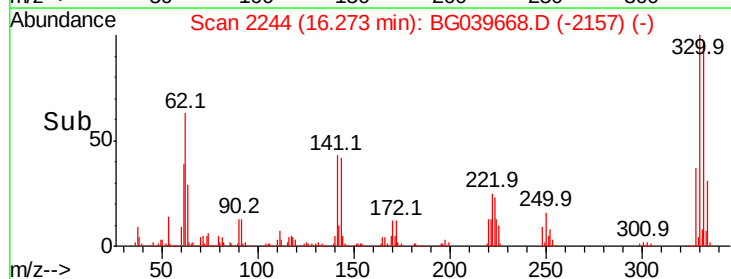
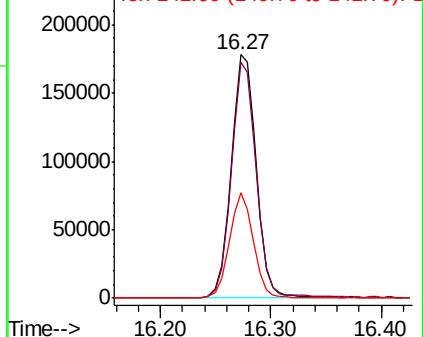
141 41.3 35.6 53.4

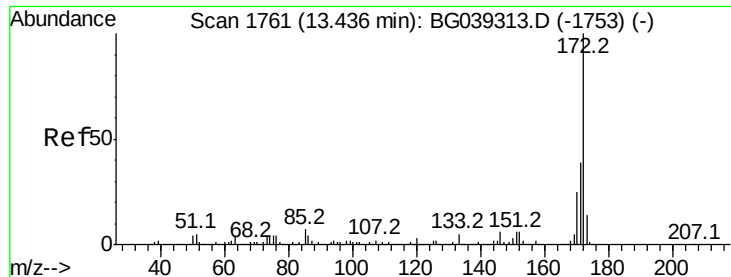


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

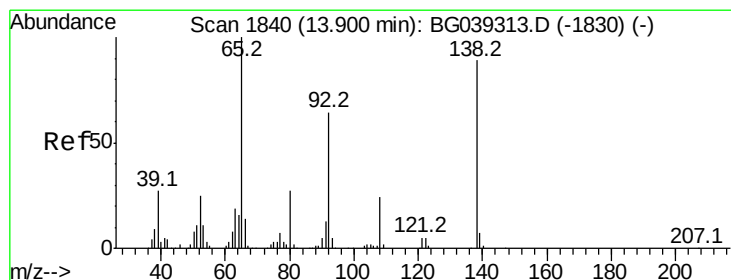
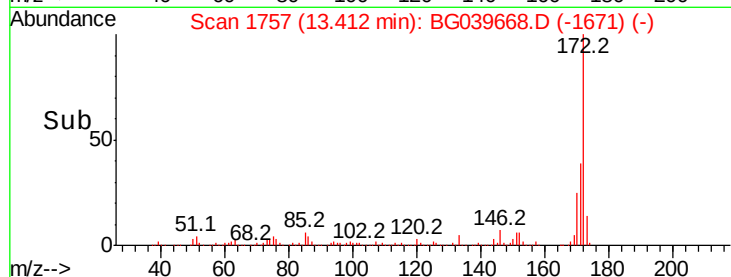
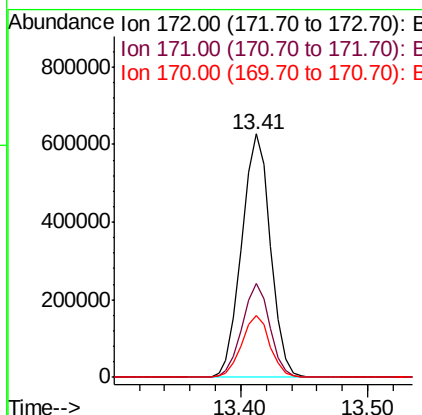
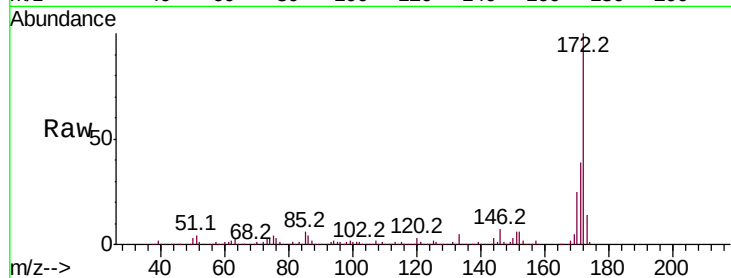




#45
2-Fluorobiphenyl
Concen: 84.401 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.02 min
Lab File: BG039668.D
Acq: 28 Feb 2019 20:17

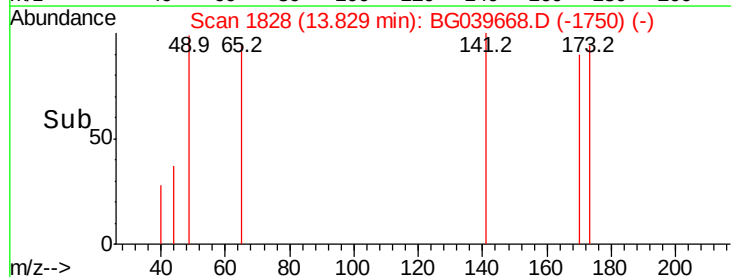
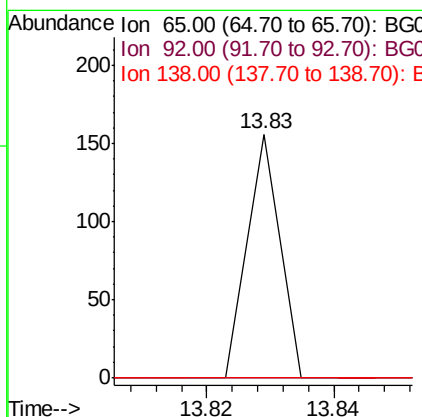
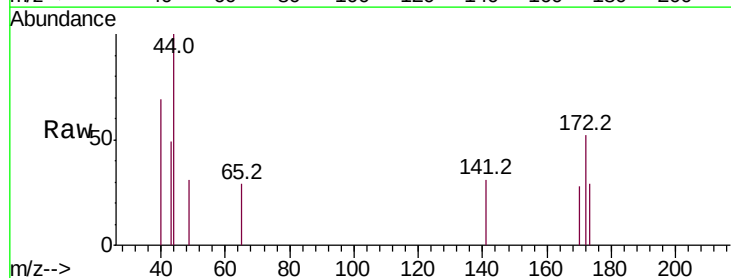
Instrument :
BNA_G
ClientSampleId :

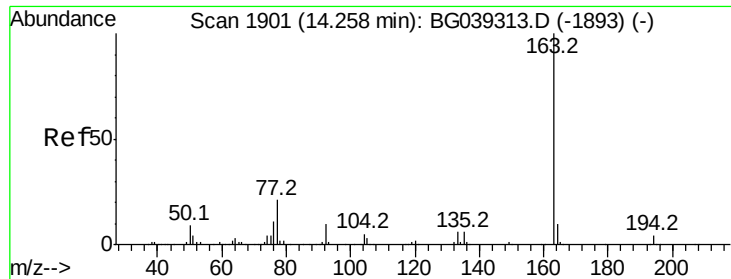
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.7	30.8	46.2
170	25.5	20.2	30.4



#48
2-Nitroaniline
Concen: 8.311 ng
RT: 13.83 min Scan# 1828
Delta R.T. -0.07 min
Lab File: BG039668.D
Acq: 28 Feb 2019 20:17

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





#50

Dimethylphthalate

Concen: 6.604 ng

RT: 14.23 min Scan# 1896

Delta R.T. -0.03 min

Lab File: BG039668.D

Acq: 28 Feb 2019 20:17

Instrument :

BNA_G

ClientSampled :

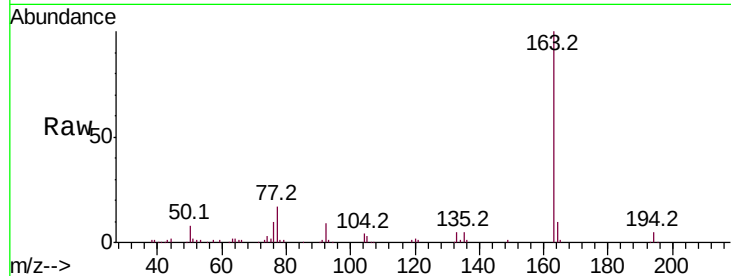
Tot Ion:163 Resp: 89466

Ion Ratio Lower Upper

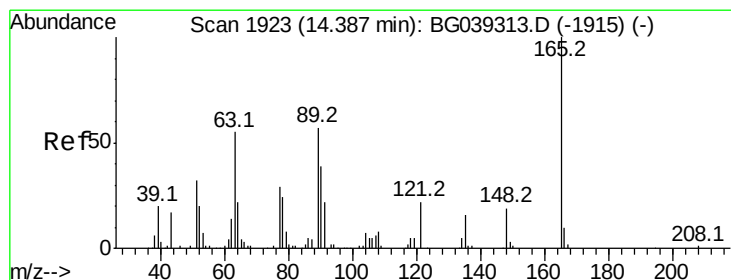
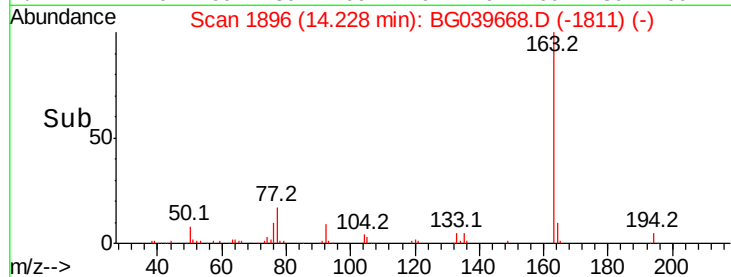
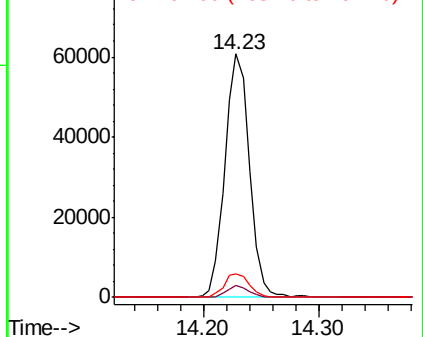
163 100

194 4.9 3.6 5.4

164 9.7 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: 6.885 ng

RT: 14.23 min Scan# 1896

Delta R.T. -0.16 min

Lab File: BG039668.D

Acq: 28 Feb 2019 20:17

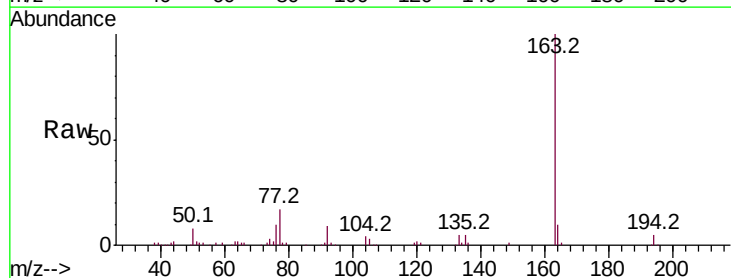
Tgt Ion:165 Resp: 956

Ion Ratio Lower Upper

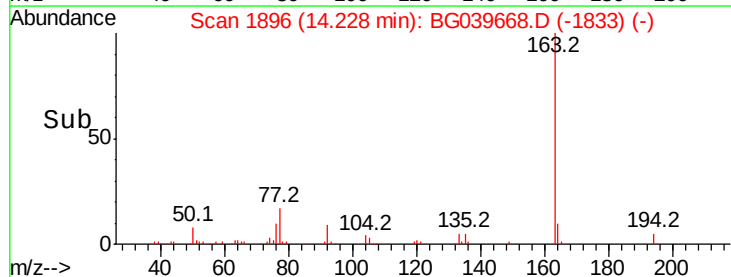
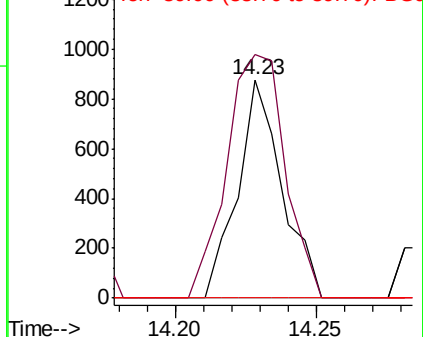
165 100

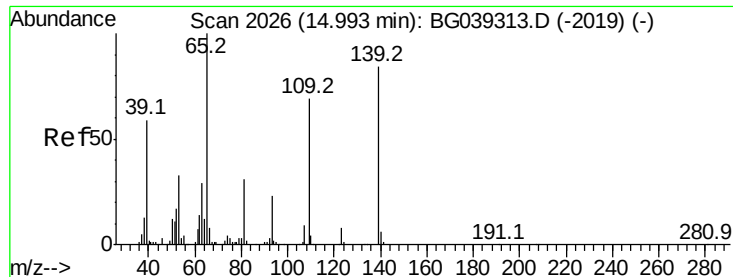
63 111.4 47.0 70.6#

89 0.0 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: 6.315 ng

RT: 15.19 min Scan# 2059

Delta R.T. 0.19 min

Lab File: BG039668.D

Acq: 28 Feb 2019 20:17

Instrument :

BNA_G

ClientSampleId :

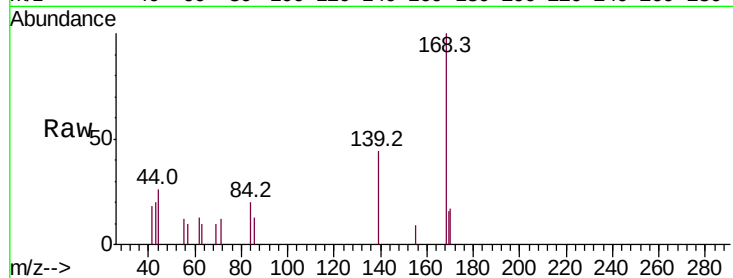
Tot Ion:139 Resp: 1376

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

1000

800

600

400

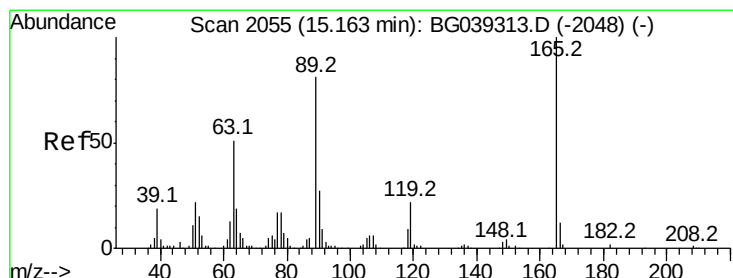
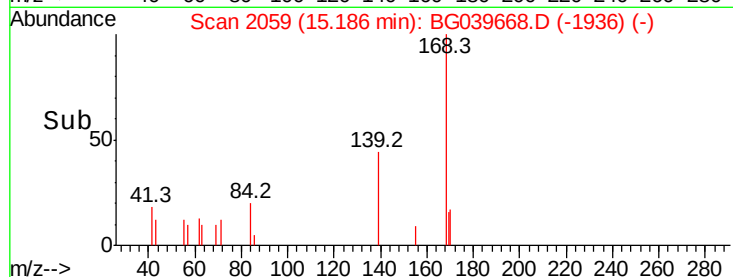
200

0

15.15

15.20

Time-->



#57

2,4-Dinitrotoluene

Concen: 13.340 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.38 min

Lab File: BG039668.D

Acq: 28 Feb 2019 20:17

Tgt Ion:165 Resp: 21370

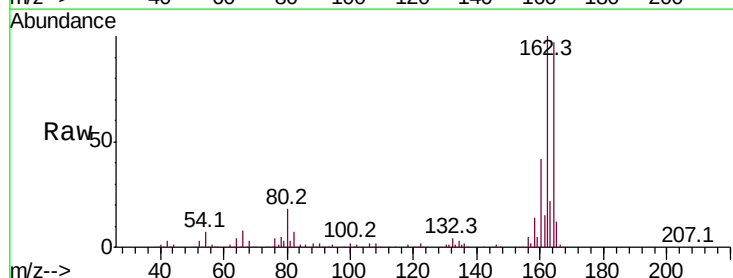
Ion Ratio Lower Upper

165 100

63 1.8 41.0 61.6#

89 2.2 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

20000

15000

10000

5000

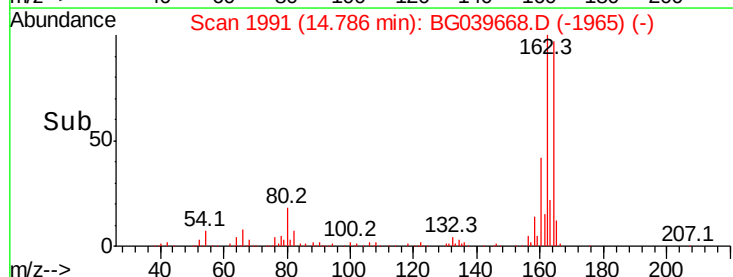
0

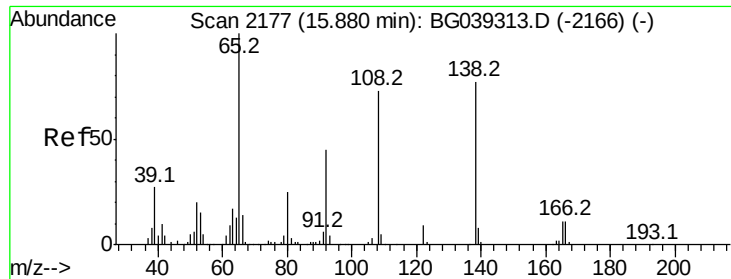
14.75

14.80

14.85

Time-->

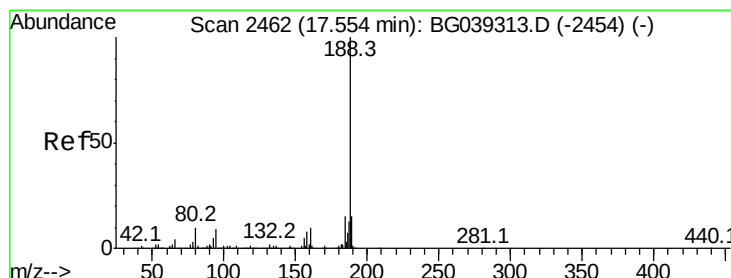
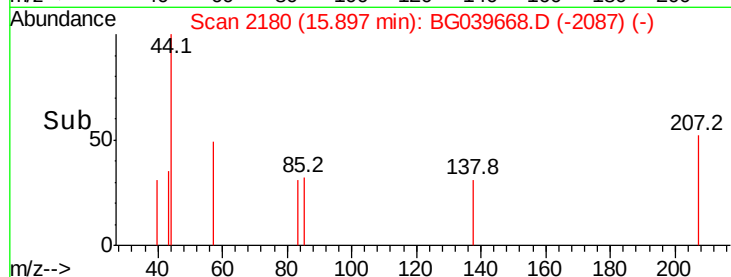
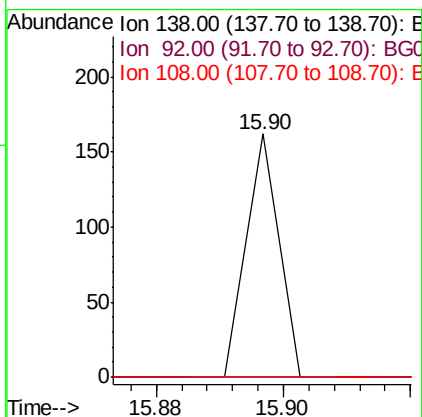
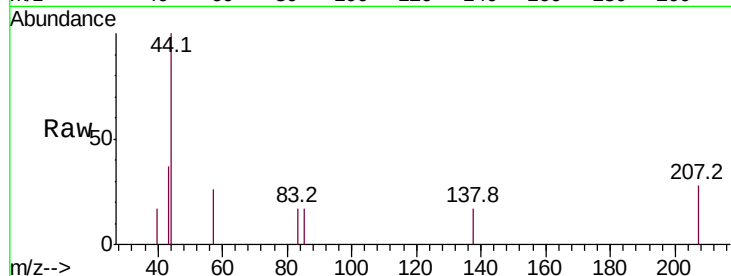




#62
 4-Nitroaniline
 Concen: 4.221 ng
 RT: 15.90 min Scan# 2180
 Delta R.T. 0.02 min
 Lab File: BG039668.D
 Acq: 28 Feb 2019 20:17

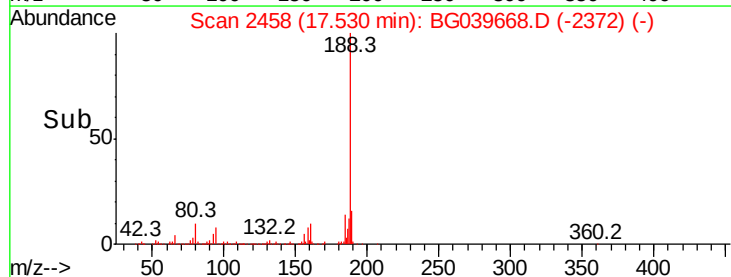
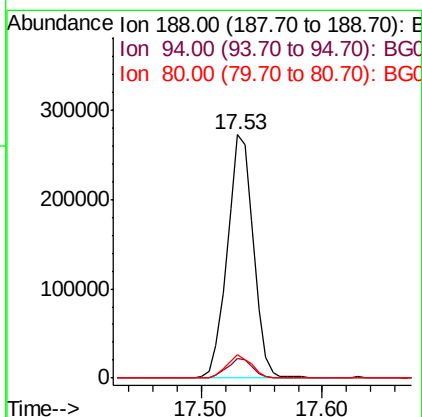
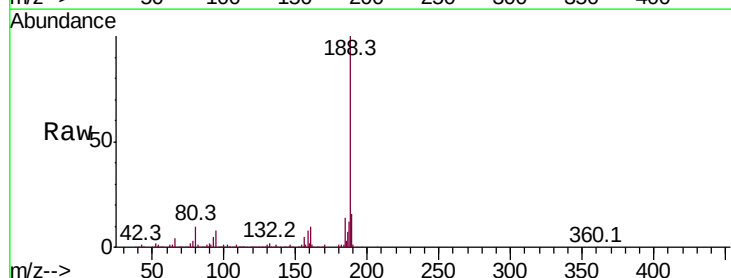
Instrument :
 BNA_G
 ClientSampleId :

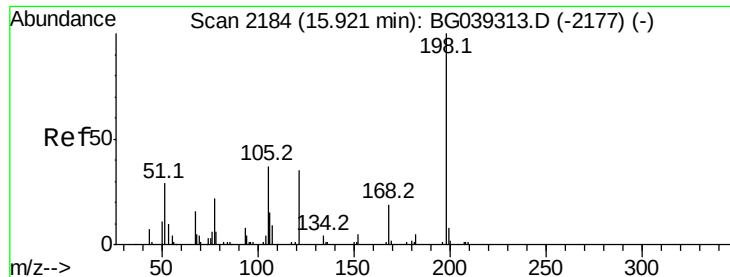
Tot Ion:138 Resp: 57
 Ion Ratio Lower Upper
 138 100
 92 0.0 38.7 78.7#
 108 0.0 74.6 114.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.53 min Scan# 2458
 Delta R.T. -0.02 min
 Lab File: BG039668.D
 Acq: 28 Feb 2019 20:17

Tgt Ion:188 Resp: 408964
 Ion Ratio Lower Upper
 188 100
 94 8.2 6.9 10.3
 80 9.5 8.1 12.1

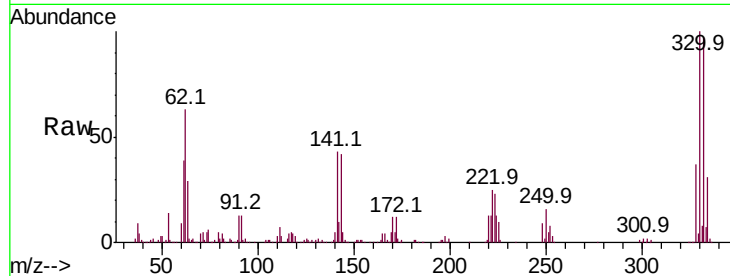




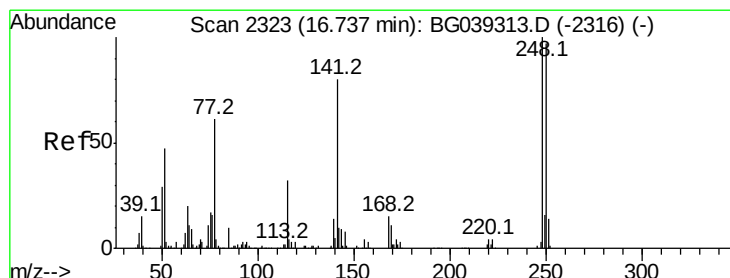
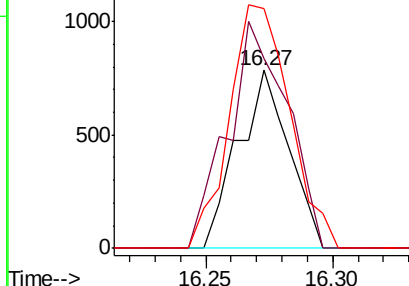
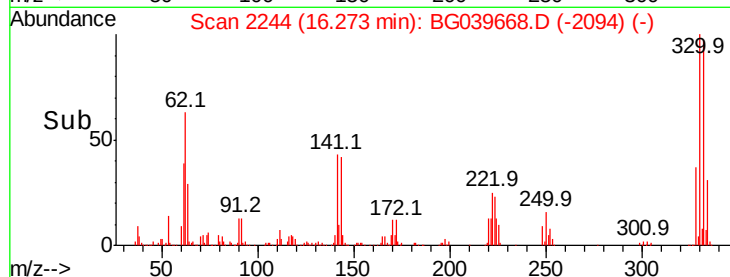
#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.026 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. 0.35 min
 Lab File: BG039668.D
 Acq: 28 Feb 2019 20:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 1086
 Ion Ratio Lower Upper
 198 100
 51 106.6 27.4 67.4#
 105 134.5 19.7 59.7#

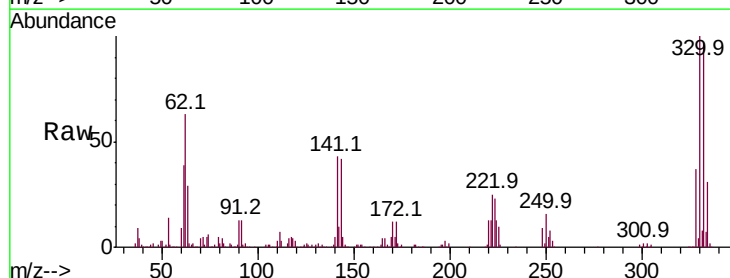


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

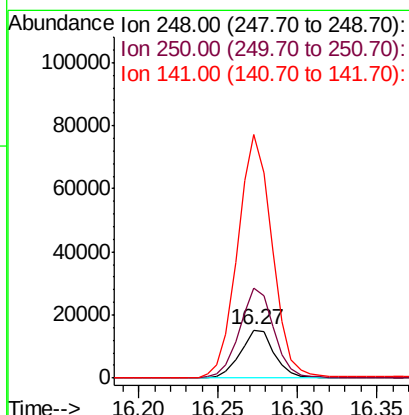
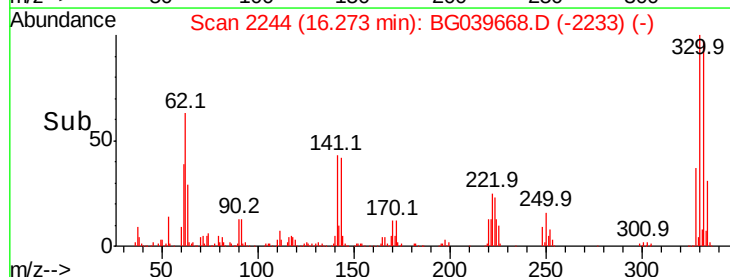


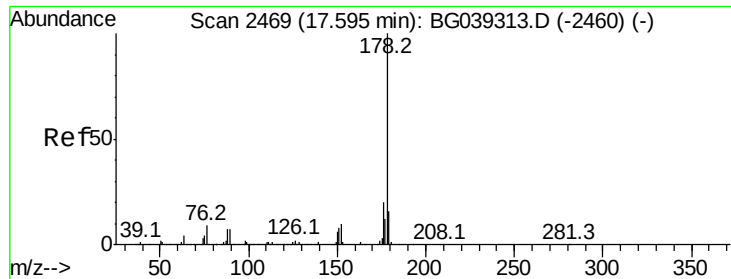
#67
 4-Bromophenyl-phenylether
 Concen: 4.987 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.46 min
 Lab File: BG039668.D
 Acq: 28 Feb 2019 20:17

Tgt Ion:248 Resp: 22626
 Ion Ratio Lower Upper
 248 100
 250 187.3 77.6 116.4#
 141 503.1 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





#71

Phenanthrene

Concen: 3.925 ng

RT: 17.58 min Scan# 2466

Delta R.T. -0.02 min

Lab File: BG039668.D

Acq: 28 Feb 2019 20:17

Instrument :

BNA_G

ClientSampleId :

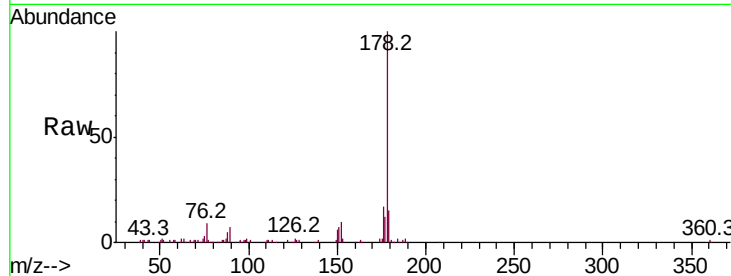
Tot Ion:178 Resp: 83071

Ion Ratio Lower Upper

178 100

176 16.9 16.2 24.4

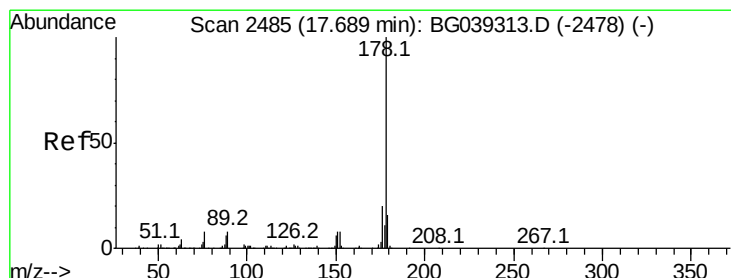
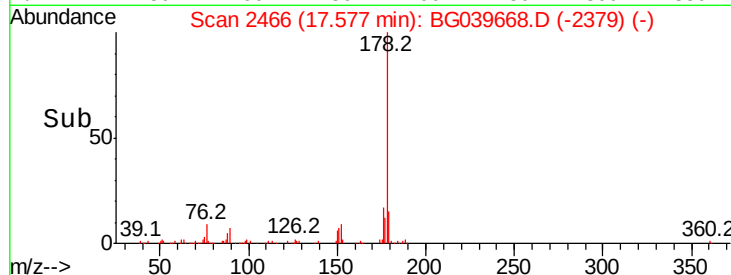
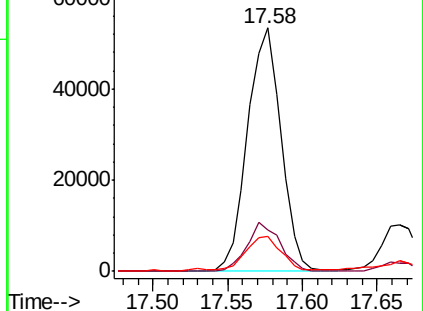
179 14.5 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 3.984 ng

RT: 17.58 min Scan# 2466

Delta R.T. -0.11 min

Lab File: BG039668.D

Acq: 28 Feb 2019 20:17

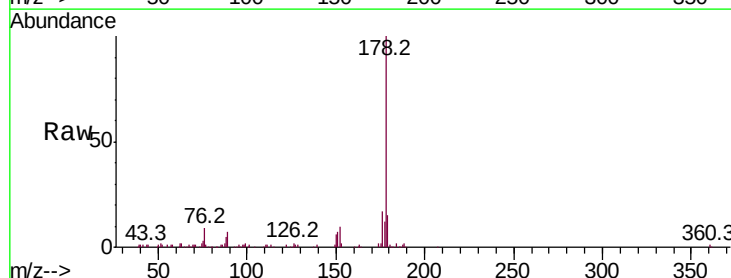
Tgt Ion:178 Resp: 83071

Ion Ratio Lower Upper

178 100

176 16.9 15.8 23.6

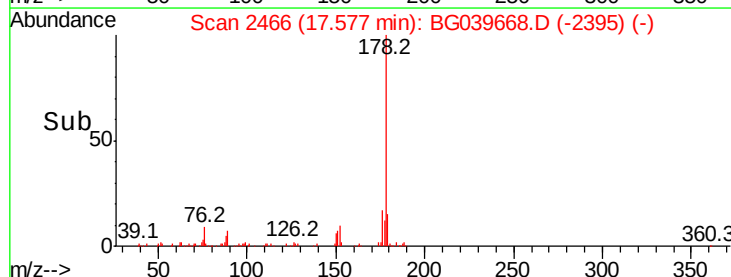
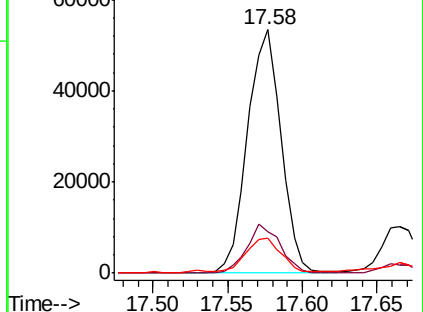
179 14.5 12.5 18.7

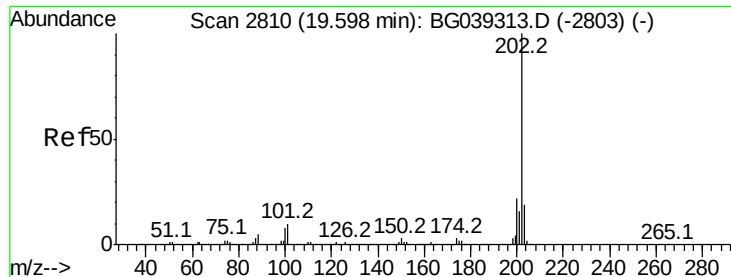


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.103 ng

RT: 19.57 min Scan# 2806

Delta R.T. -0.02 min

Lab File: BG039668.D

Acq: 28 Feb 2019 20:17

Instrument :

BNA_G

ClientSampleId :

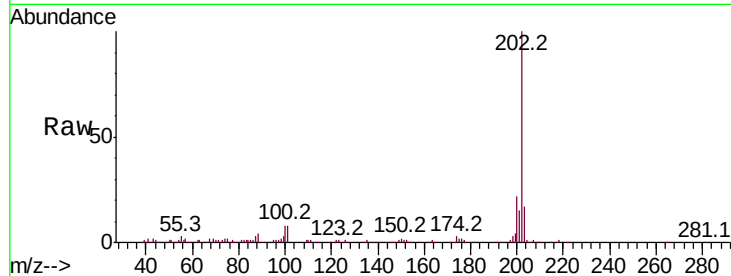
Tot Ion:202 Resp: 125365

Ion Ratio Lower Upper

202 100

101 8.2 0.0 30.0

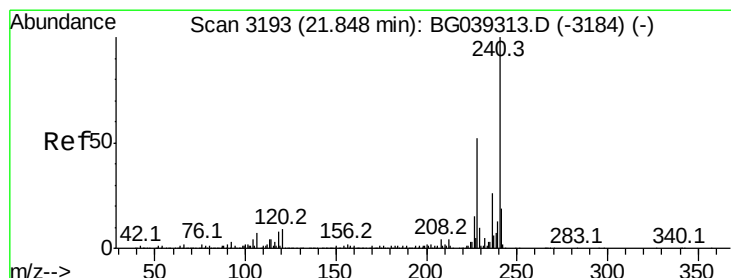
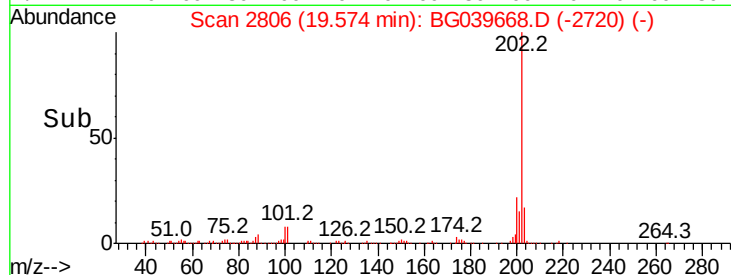
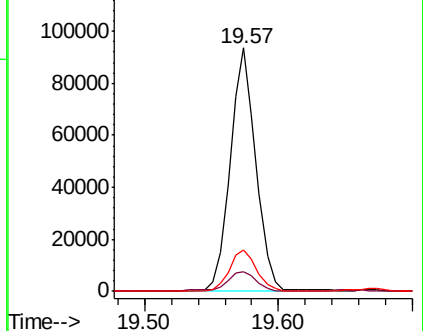
203 17.2 0.0 38.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.82 min Scan# 3189

Delta R.T. -0.02 min

Lab File: BG039668.D

Acq: 28 Feb 2019 20:17

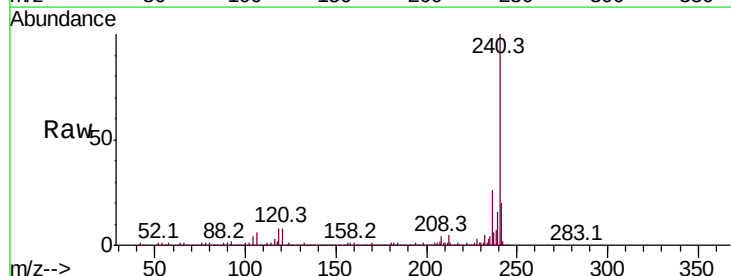
Tgt Ion:240 Resp: 399284

Ion Ratio Lower Upper

240 100

120 8.4 7.0 10.6

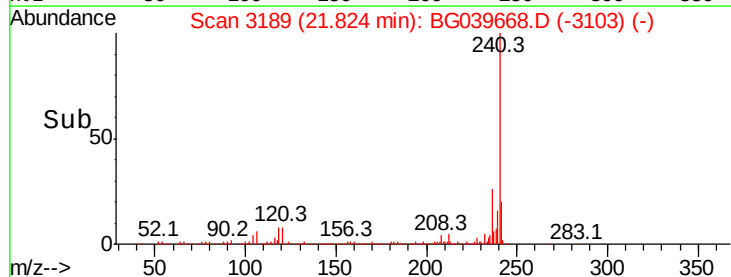
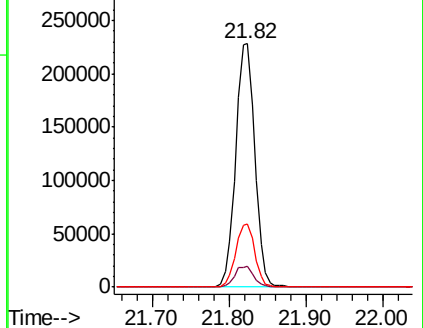
236 25.7 21.0 31.4

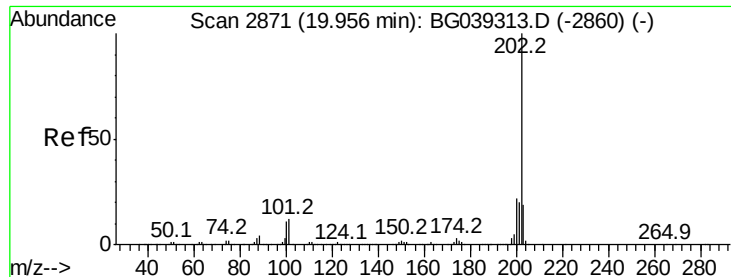


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.466 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.02 min

Lab File: BG039668.D

Acq: 28 Feb 2019 20:17

Instrument :

BNA_G

ClientSampleId :

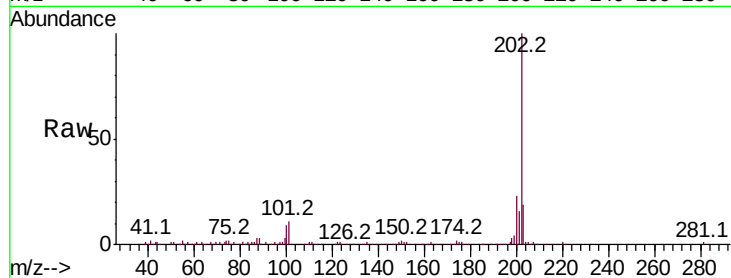
Tot Ion:202 Resp: 110998

Ion Ratio Lower Upper

202 100

200 23.0 17.8 26.8

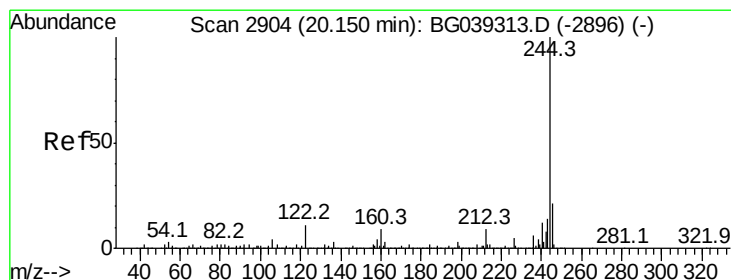
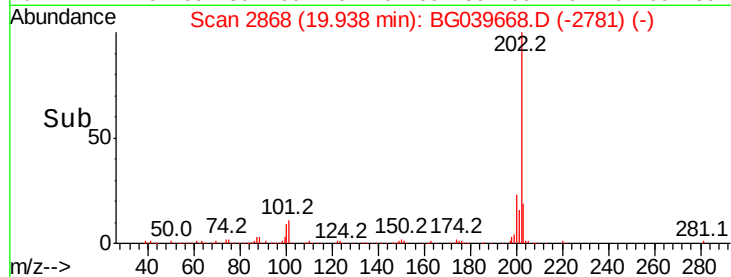
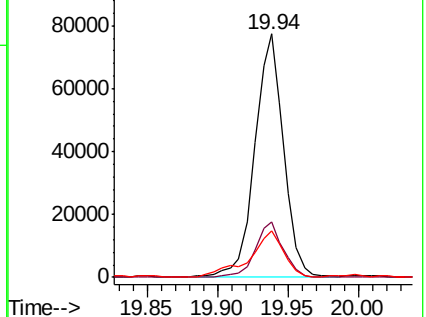
203 19.0 15.3 22.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 72.090 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.02 min

Lab File: BG039668.D

Acq: 28 Feb 2019 20:17

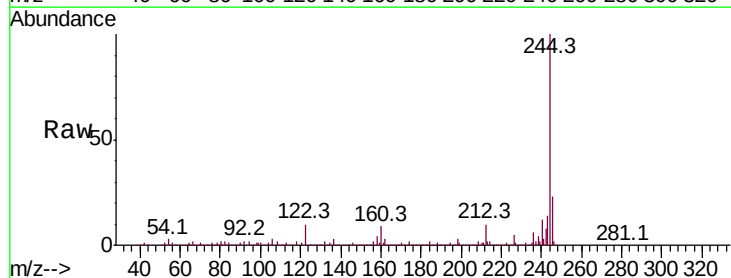
Tgt Ion:244 Resp: 1359884

Ion Ratio Lower Upper

244 100

212 9.5 7.3 10.9

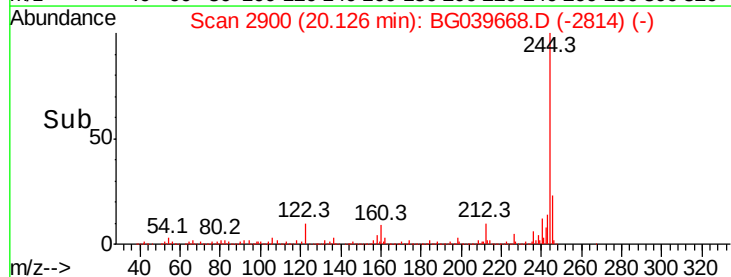
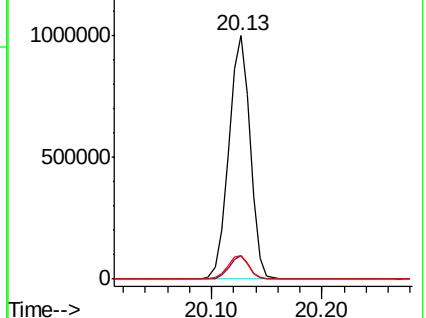
122 9.6 8.4 12.6

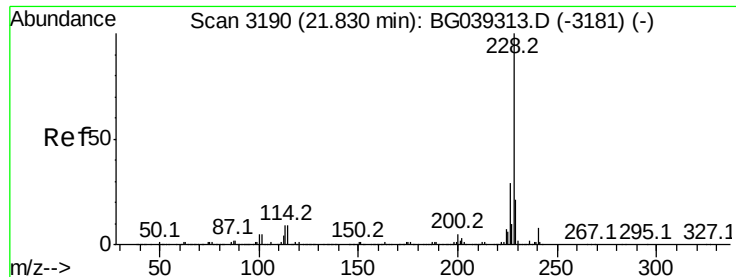


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

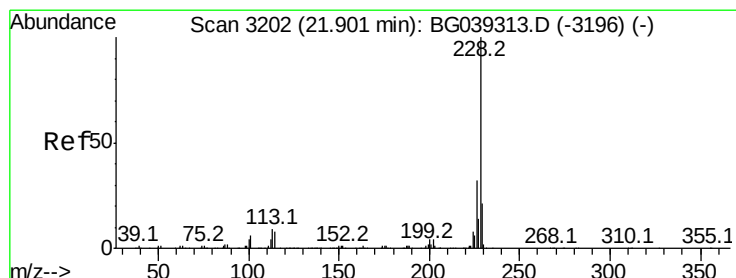
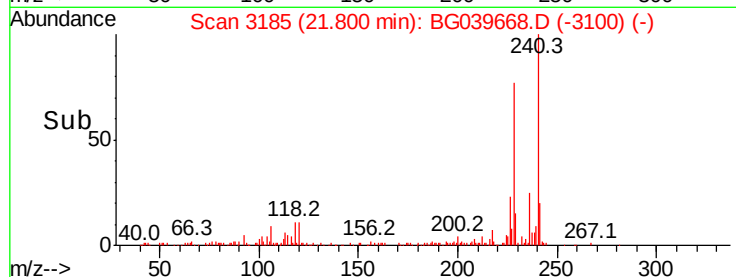
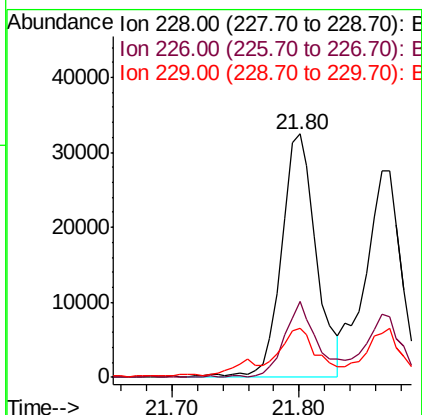
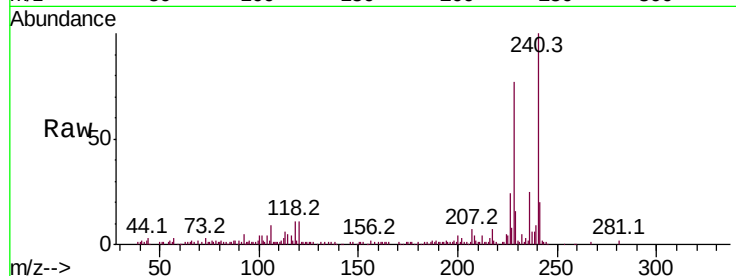




#81
Benzo(a)anthracene
Concen: 2.635 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.03 min
Lab File: BG039668.D
Acq: 28 Feb 2019 20:17

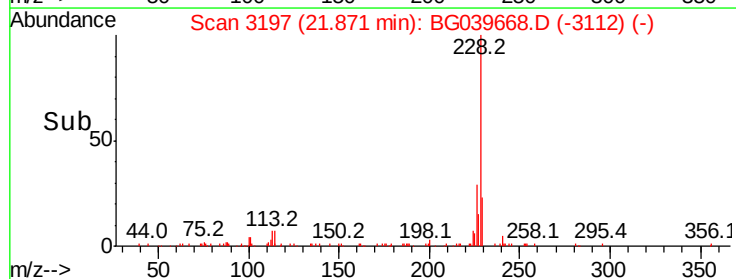
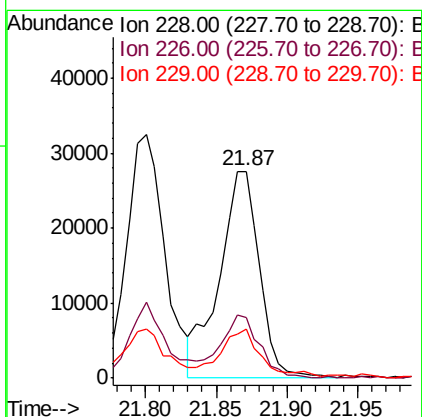
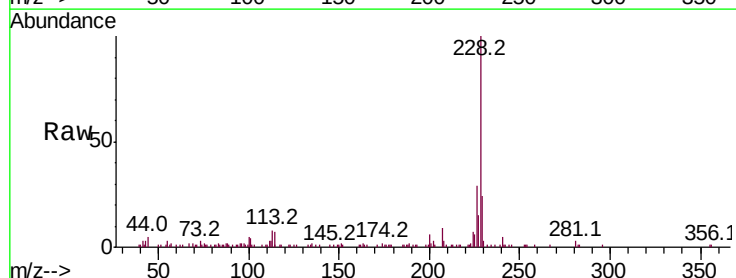
Instrument :
BNA_G
ClientSampleId :

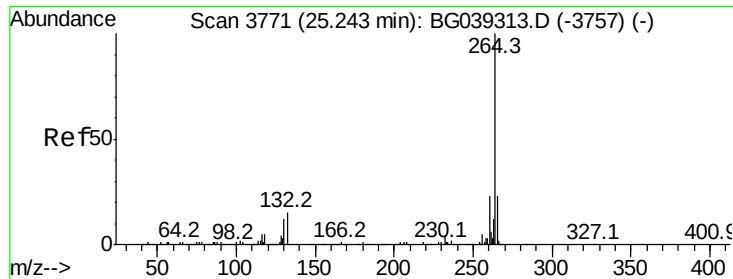
Tot Ion:228 Resp: 62174
Ion Ratio Lower Upper
228 100
226 31.1 23.0 34.6
229 20.4 16.9 25.3



#83
Chrysene
Concen: 2.431 ng
RT: 21.87 min Scan# 3197
Delta R.T. -0.03 min
Lab File: BG039668.D
Acq: 28 Feb 2019 20:17

Tgt Ion:228 Resp: 54600
Ion Ratio Lower Upper
228 100
226 29.3 25.8 38.6
229 23.6 16.6 25.0



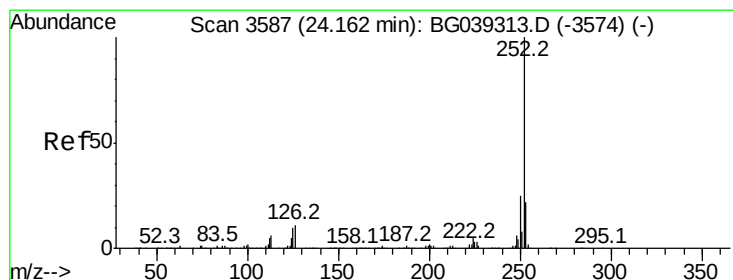
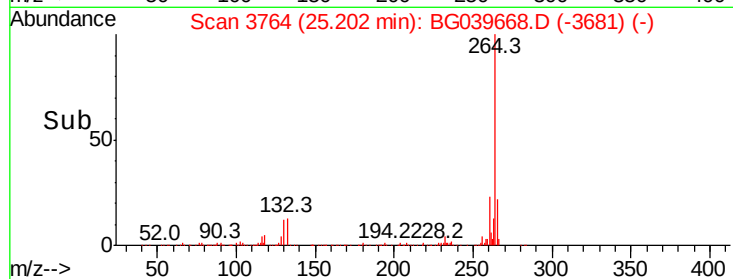
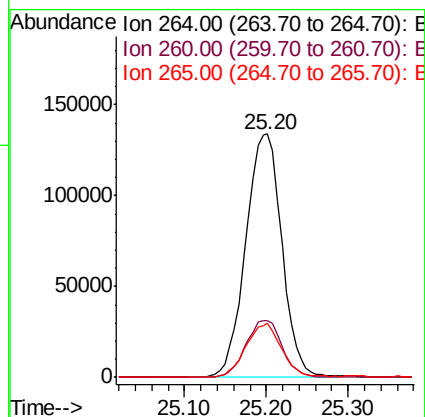
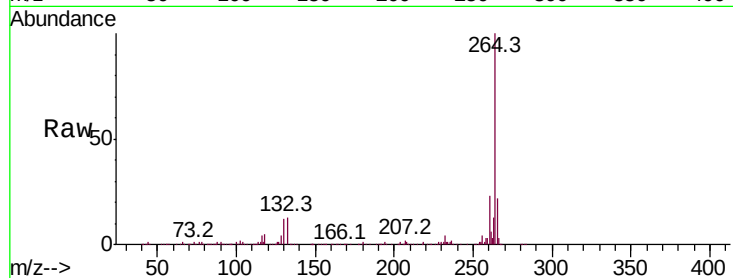


#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.20 min Scan# 3764
Delta R.T. -0.04 min
Lab File: BG039668.D
Acq: 28 Feb 2019 20:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 411073

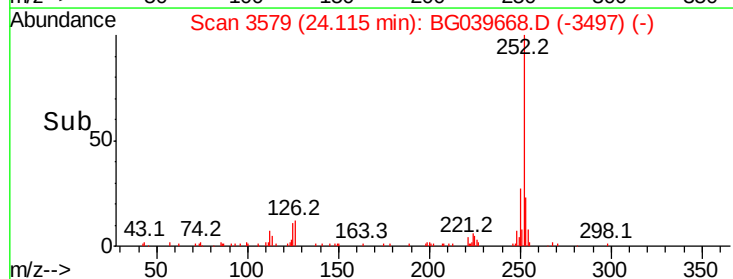
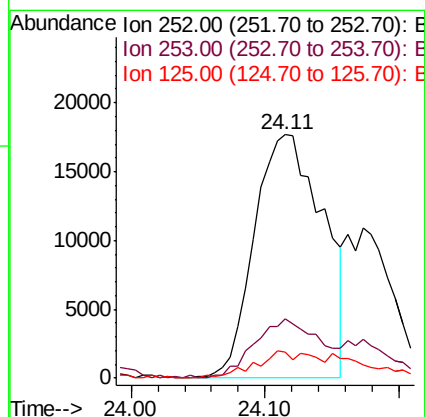
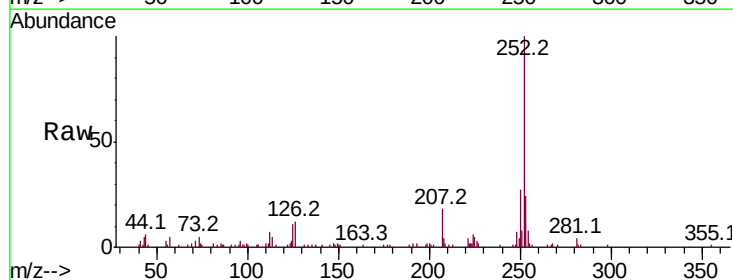
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.4
265	22.5	18.5	27.7

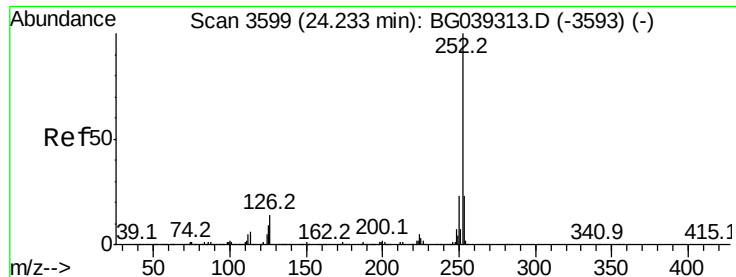


#88
Benzo(b)fluoranthene
Concen: 2.812 ng
RT: 24.11 min Scan# 3579
Delta R.T. -0.05 min
Lab File: BG039668.D
Acq: 28 Feb 2019 20:17

Tgt Ion:252 Resp: 63047

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.8
125	10.8	7.8	11.6





#89

Benzo(k)fluoranthene

Concen: 2.801 ng

RT: 24.11 min Scan# 3579

Delta R.T. -0.12 min

Lab File: BG039668.D

Acq: 28 Feb 2019 20:17

Instrument :

BNA_G

ClientSampleId :

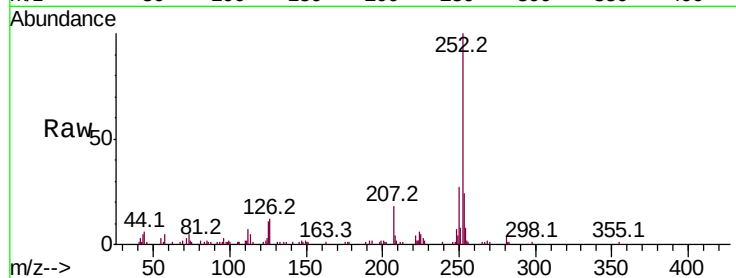
Tot Ion:252 Resp: 63047

Ion Ratio Lower Upper

252 100

253 24.3 18.2 27.2

125 10.8 7.4 11.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

