

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022619\
 Data File : BG039625.D
 Acq On : 27 Feb 2019 7:56
 Operator : JU/SJ
 Sample : K1587-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 27 10:11:20 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	53798	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	227538	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	155524	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	399842	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	412769	20.00	ng	-0.03
87) Perylene-d12	25.20	264	428835	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	117581	37.41	ng	0.00
7) Phenol-d6	7.31	99	100148	21.64	ng	-0.01
23) Nitrobenzene-d5	9.34	82	368941	101.29	ng	-0.02
42) 2,4,6-Tribromophenol	16.27	330	168339	100.52	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	880170	81.19	ng	-0.02
79) Terphenyl-d14	20.13	244	1296427	66.48	ng	-0.02

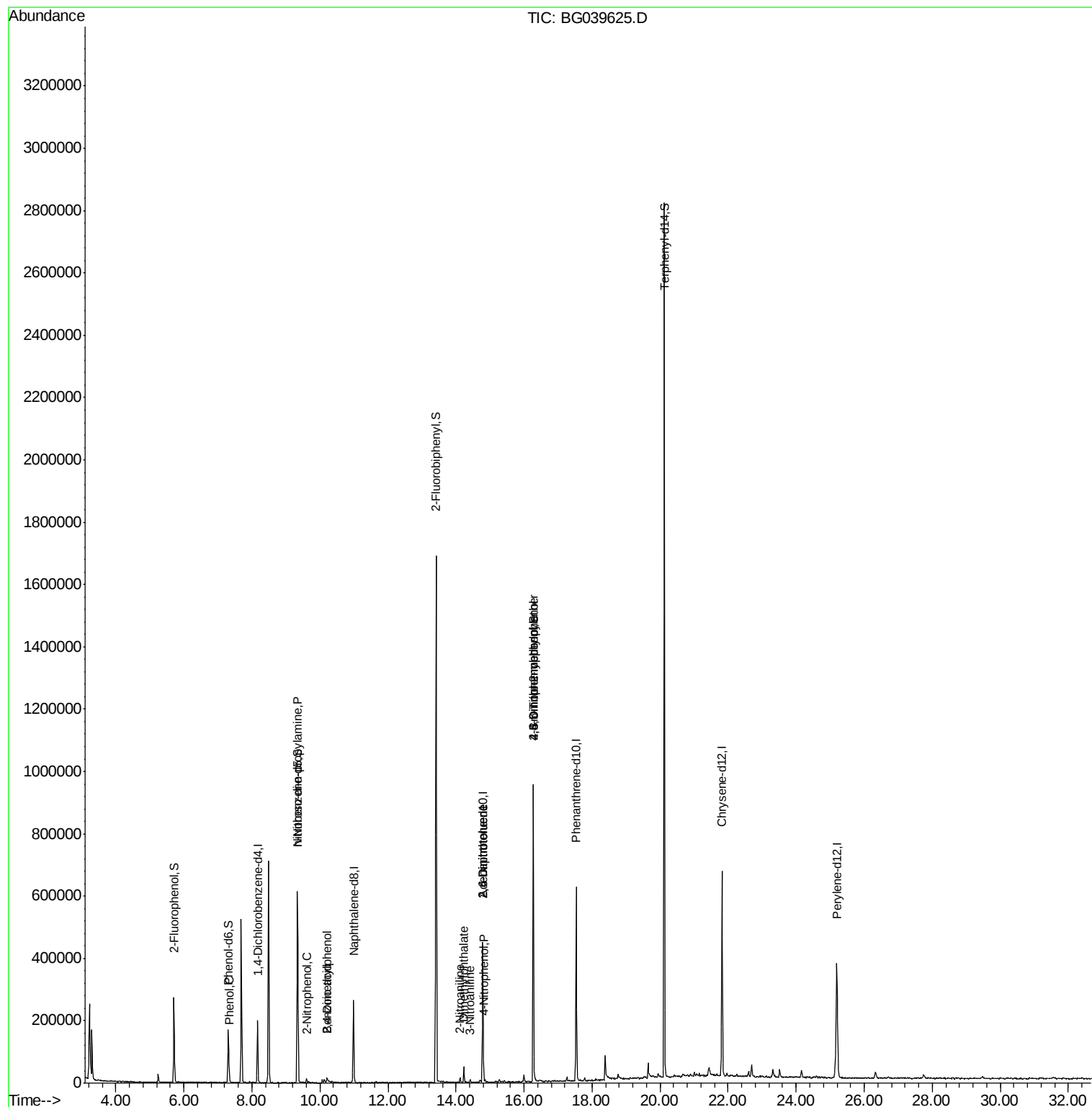
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.30	77	113	Below Cal		# 4
10) Phenol	7.34	94	11669	2.419	ng	# 95
19) n-Nitroso-di-n-propylamine	9.34	70	47723	14.532	ng	# 68
26) 2-Nitrophenol	9.61	139	301	4.238	ng	# 1
27) 2,4-Dimethylphenol	10.21	122	7091	2.172	ng	# 3
32) Benzoic acid	10.21	122	7091	11.714	ng	# 95
48) 2-Nitroaniline	14.12	65	65	8.316	ng	# 10
50) Dimethylphthalate	14.23	163	32830	2.614	ng	# 95
51) 2,6-Dinitrotoluene	14.79	165	19636	13.781	ng	# 23
53) 3-Nitroaniline	14.42	138	56	5.812	ng	# 1
56) 4-Nitrophenol	14.82	139	62	5.819	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	19636	13.291	ng	# 18
65) 4,6-Dinitro-2-methylphenol	16.28	198	822	4.834	ng	# 15
67) 4-Bromophenyl-phenylether	16.28	248	13131	2.960	ng	# 1

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

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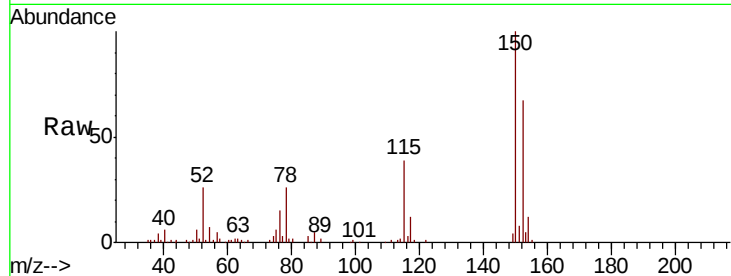


#1

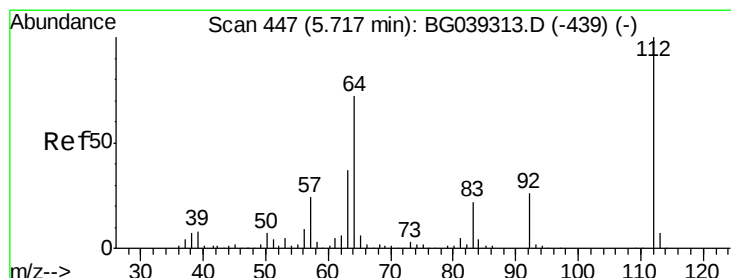
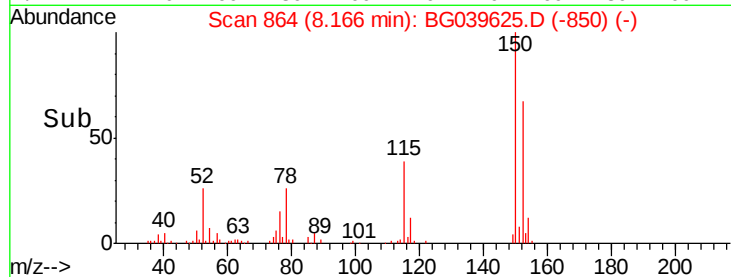
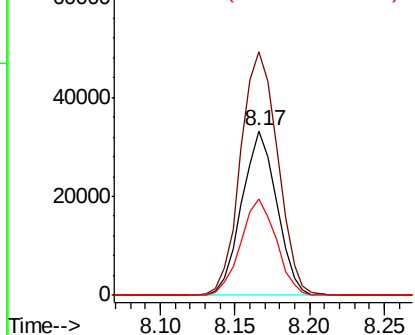
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039625.D
Acq: 27 Feb 2019 7:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.2	123.7	185.5
115	58.3	45.9	68.9



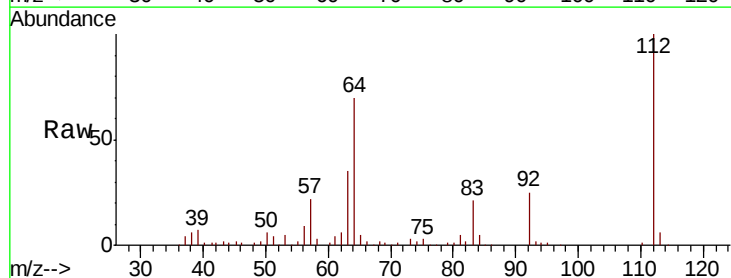
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



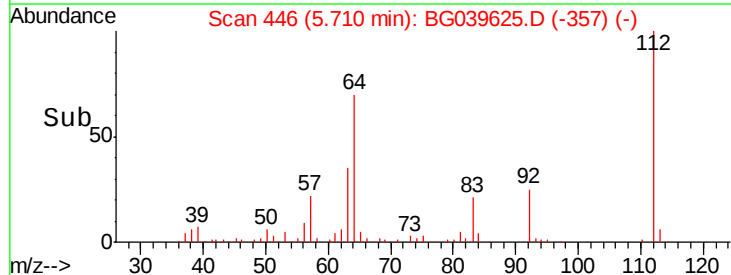
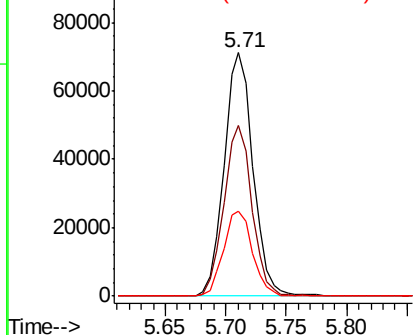
#5

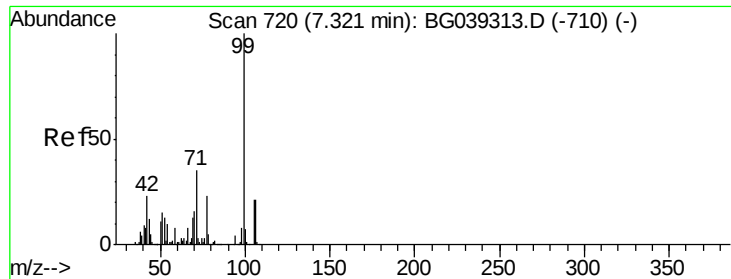
2-Fluorophenol
Concen: 37.407 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039625.D
Acq: 27 Feb 2019 7:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.3	57.8	86.8
63	34.6	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: 21.645 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039625.D

Acq: 27 Feb 2019 7:56

Instrument :

BNA_G

ClientSampleId :

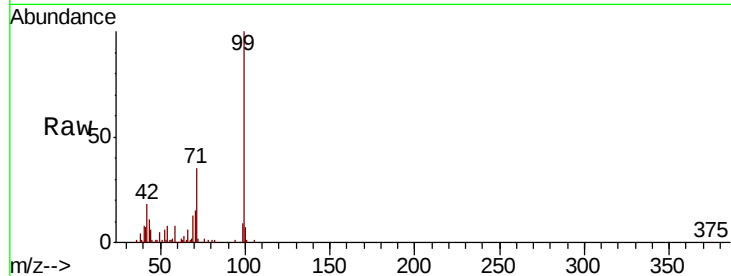
Tot Ion: 99 Resp: 100148

Ion Ratio Lower Upper

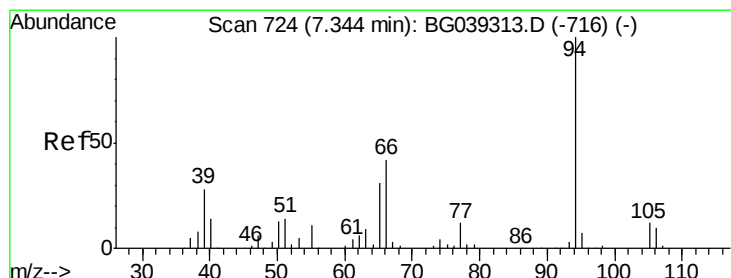
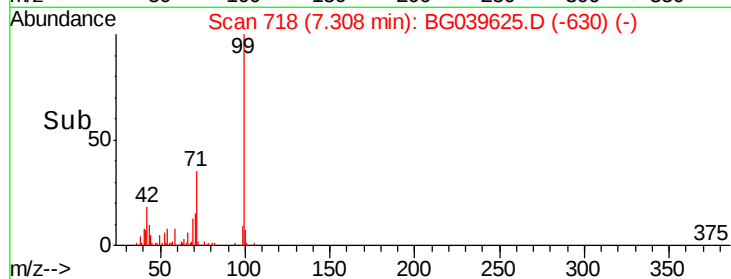
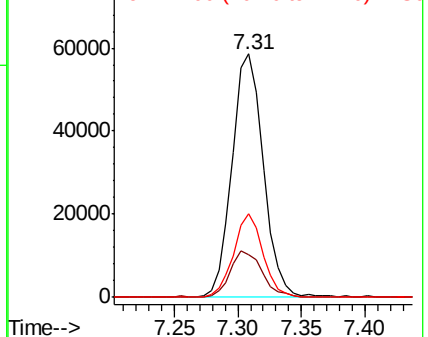
99 100

42 17.5 18.2 27.2#

71 34.5 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#10

Phenol

Concen: 2.419 ng

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BG039625.D

Acq: 27 Feb 2019 7:56

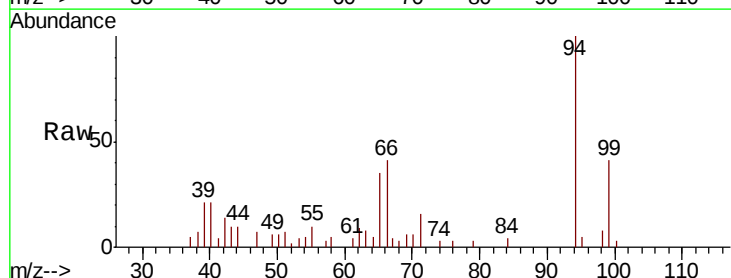
Tgt Ion: 94 Resp: 11669

Ion Ratio Lower Upper

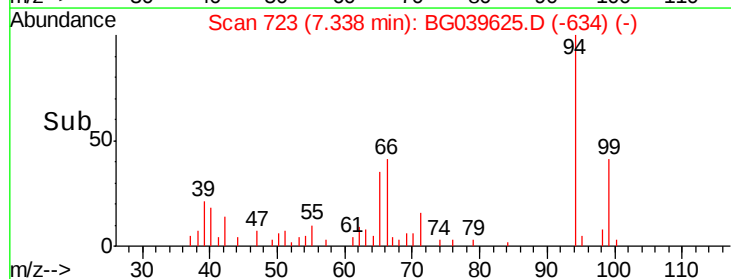
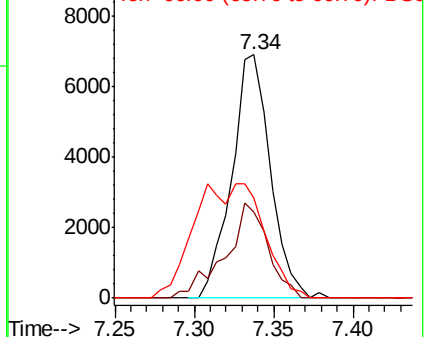
94 100

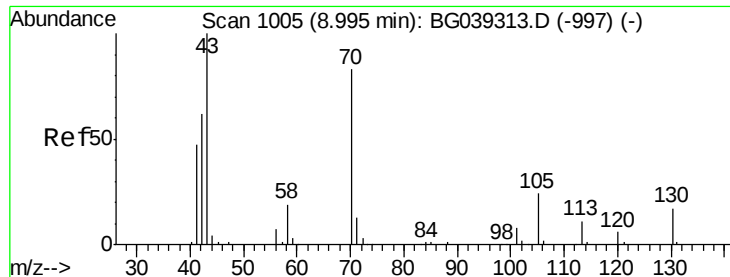
65 35.2 11.7 51.7

66 41.0 23.7 63.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

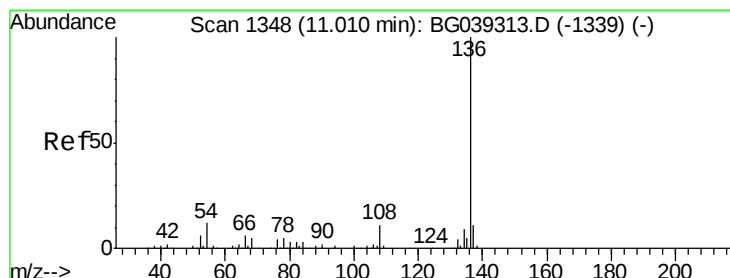
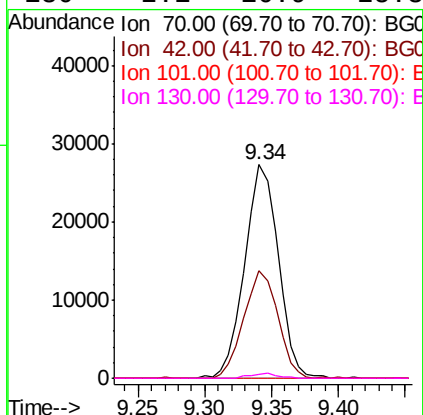
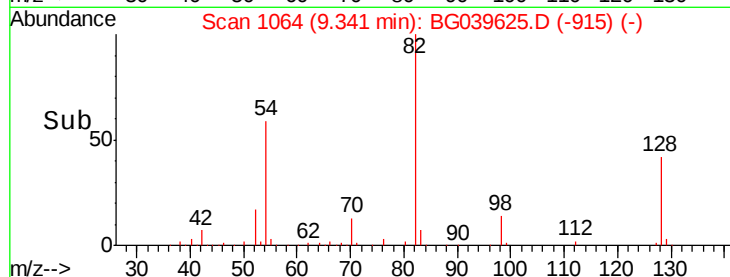
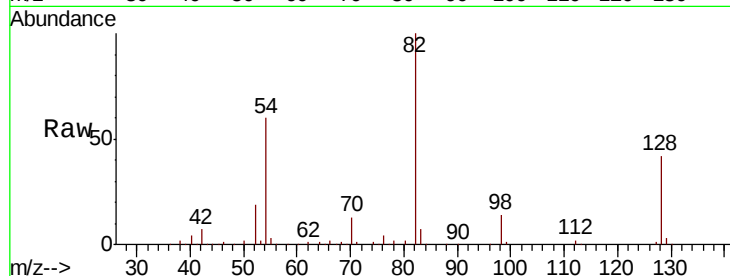




#19
n-Nitroso-di-n-propylamine
Concen: 14.532 ng
RT: 9.34 min Scan# 1064
Delta R.T. 0.35 min
Lab File: BG039625.D
Acq: 27 Feb 2019 7:56

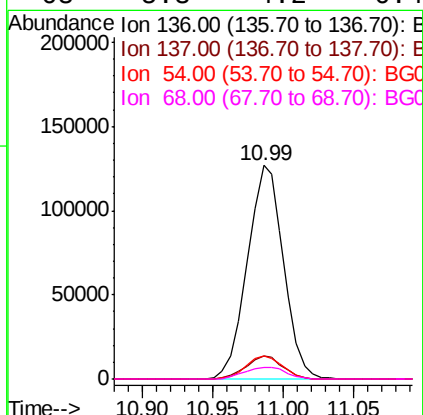
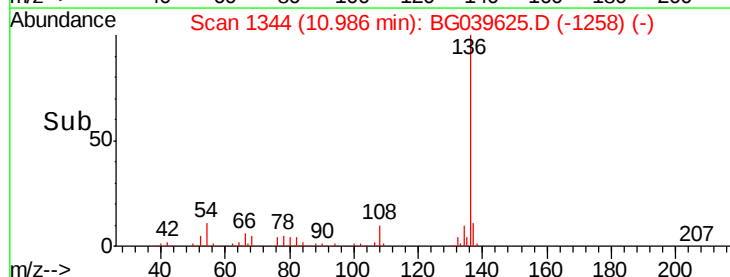
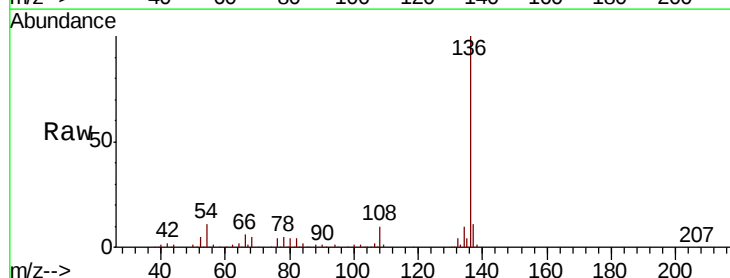
Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 47723
Ion Ratio Lower Upper
70 100
42 50.1 60.4 90.6#
101 0.0 7.5 11.3#
130 2.1 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: BG039625.D
Acq: 27 Feb 2019 7:56

Tgt Ion:136 Resp: 227538
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 10.9 9.4 14.2
68 5.3 4.2 6.4

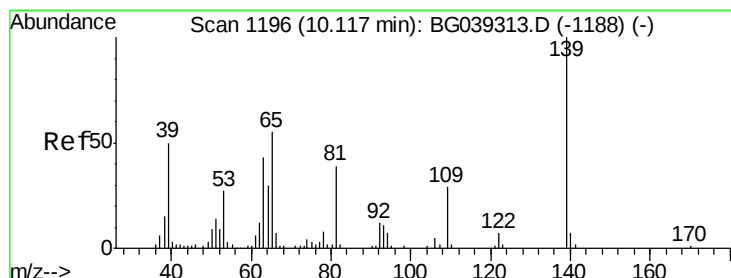
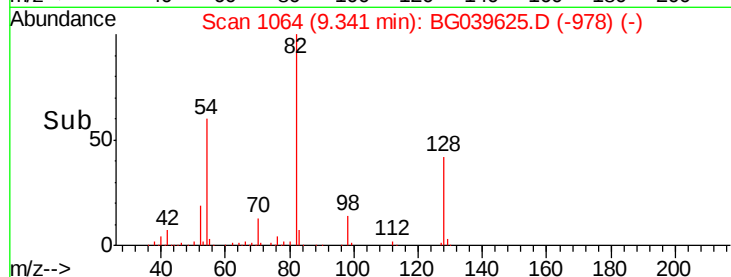
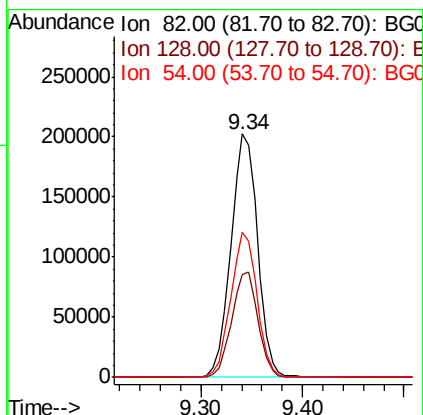
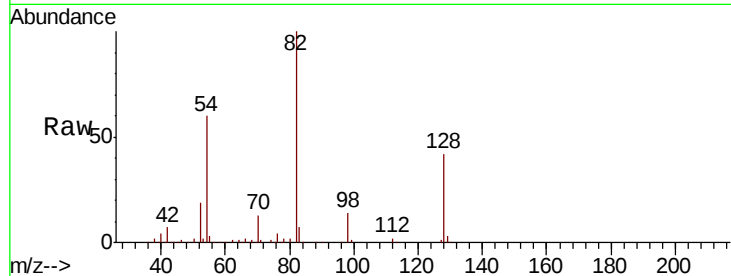




#23
Nitrobenzene-d5
Concen: 101.294 ng
RT: 9.34 min Scan# 1064
Delta R.T. -0.02 min
Lab File: BG039625.D
Acq: 27 Feb 2019 7:56

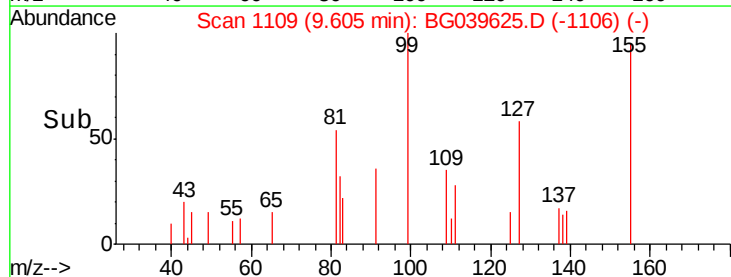
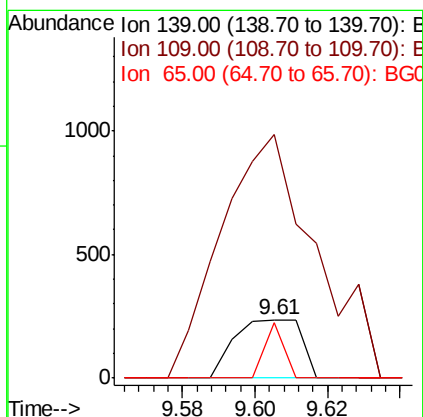
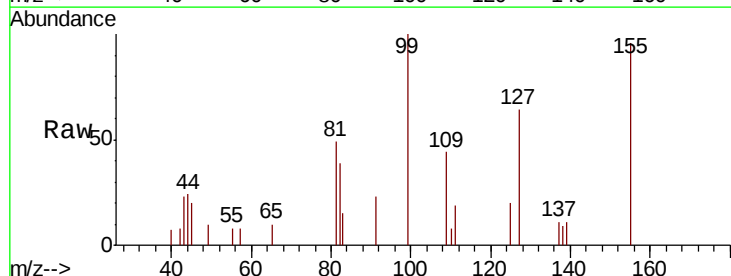
Instrument :
BNA_G
ClientSampled :

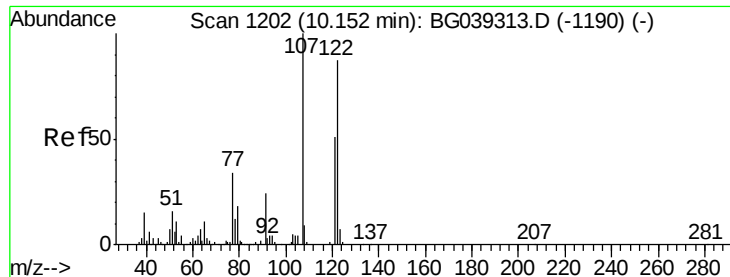
Tot Ion	82	Resp	368941
Ion Ratio	100	Lower	Upper
128	42.1	31.3	46.9
54	59.6	50.9	76.3



#26
2-Nitrophenol
Concen: 4.238 ng
RT: 9.61 min Scan# 1109
Delta R.T. -0.51 min
Lab File: BG039625.D
Acq: 27 Feb 2019 7:56

Tgt Ion	139	Resp	301
Ion Ratio	100	Lower	Upper
109	419.6	23.4	35.0#
65	94.9	44.3	66.5#

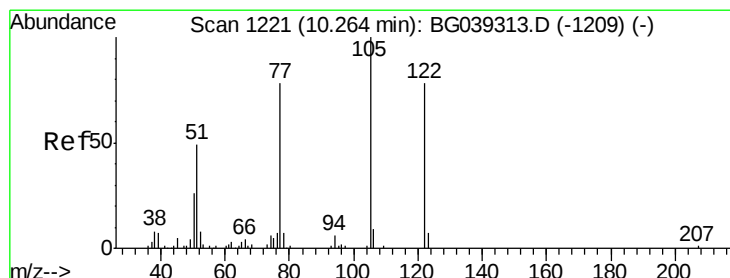
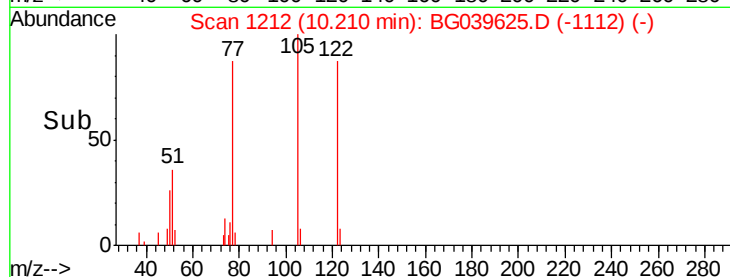
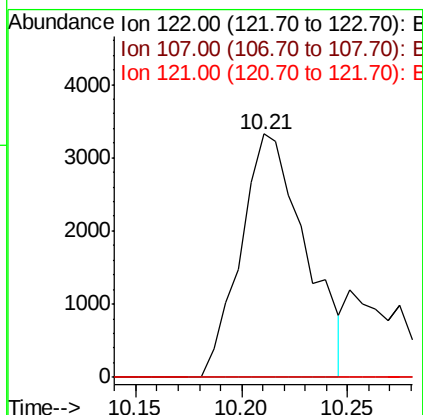
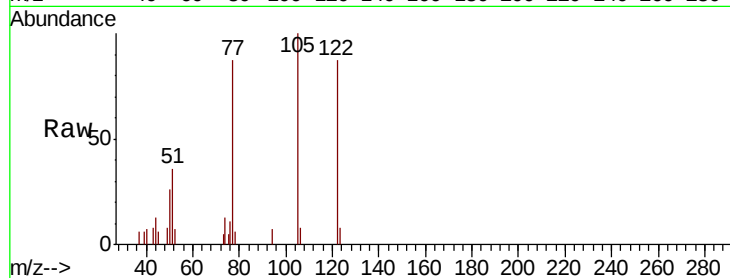




#27
2,4-Dimethylphenol
Concen: 2.172 ng
RT: 10.21 min Scan# 1212
Delta R.T. 0.06 min
Lab File: BG039625.D
Acq: 27 Feb 2019 7:56

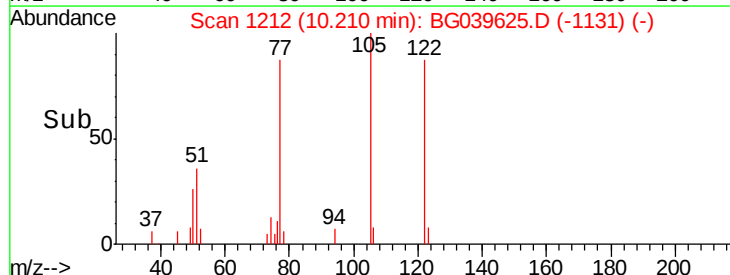
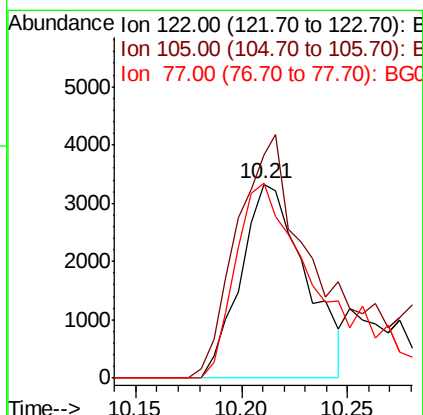
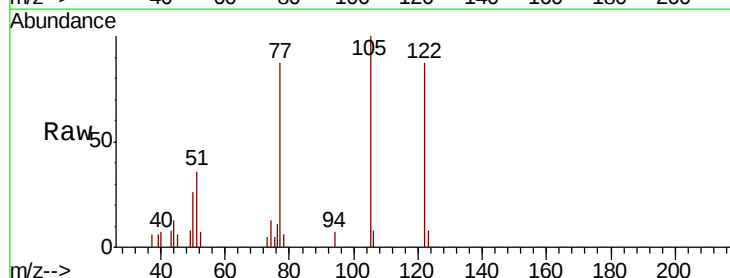
Instrument :
BNA_G
ClientSampleId :

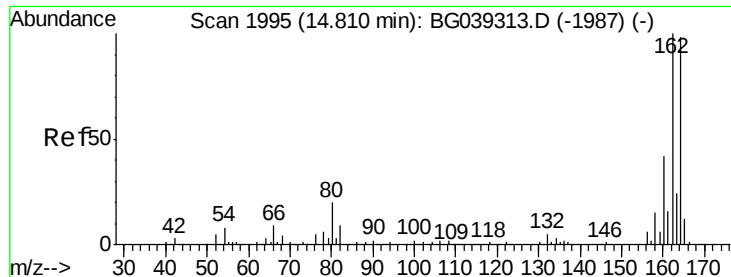
Tot Ion:122 Resp: 7091
Ion Ratio Lower Upper
122 100
107 0.0 91.7 137.5#
121 0.0 46.4 69.6#



#32
Benzoic acid
Concen: 11.714 ng
RT: 10.21 min Scan# 1212
Delta R.T. -0.05 min
Lab File: BG039625.D
Acq: 27 Feb 2019 7:56

Tgt Ion:122 Resp: 7091
Ion Ratio Lower Upper
122 100
105 115.0 101.8 141.8
77 100.3 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: BG039625.D

Acq: 27 Feb 2019 7:56

Instrument :

BNA_G

ClientSampleId :

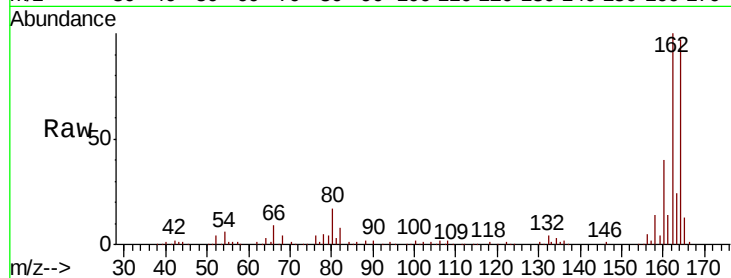
Tot Ion:164 Resp: 155524

Ion Ratio Lower Upper

164 100

162 102.8 81.6 122.4

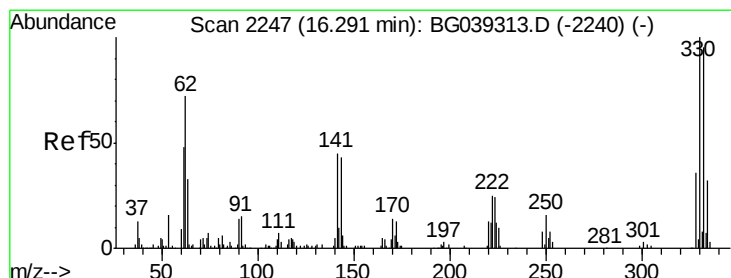
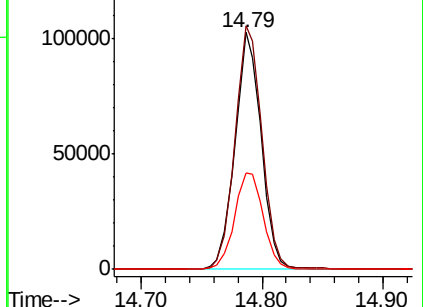
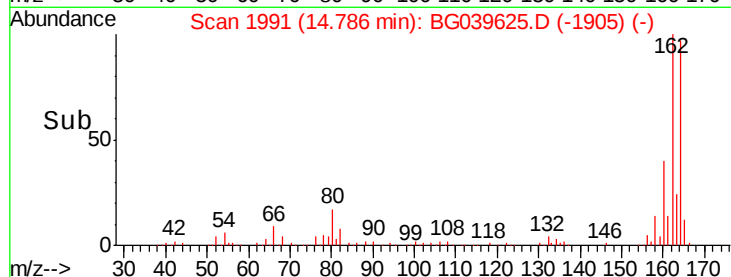
160 40.7 34.2 51.2



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: 100.517 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.02 min

Lab File: BG039625.D

Acq: 27 Feb 2019 7:56

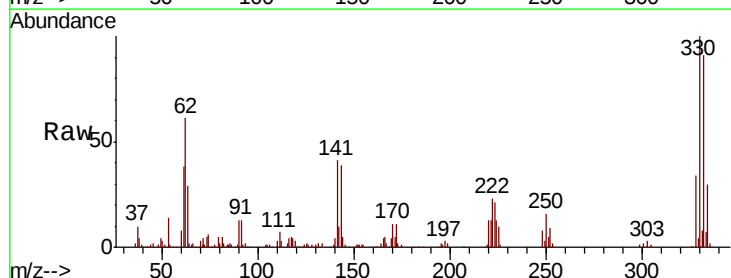
Tgt Ion:330 Resp: 168339

Ion Ratio Lower Upper

330 100

332 93.3 75.7 113.5

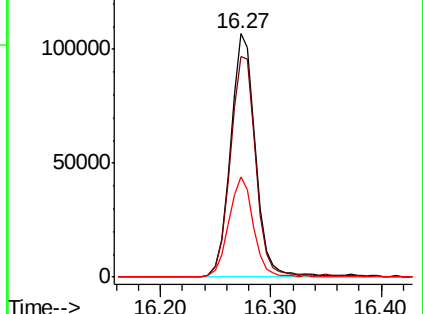
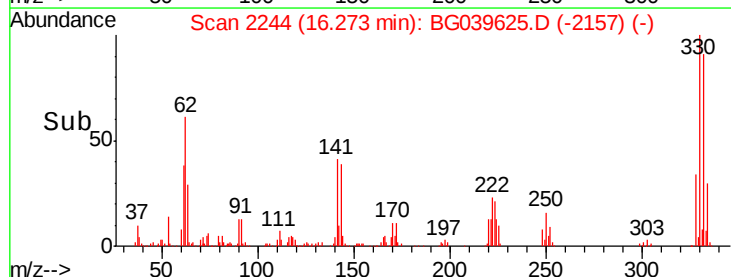
141 41.1 35.6 53.4

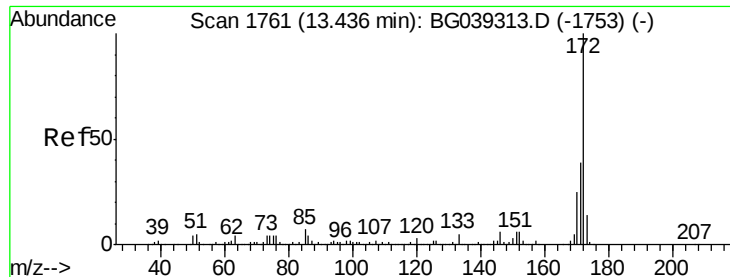


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

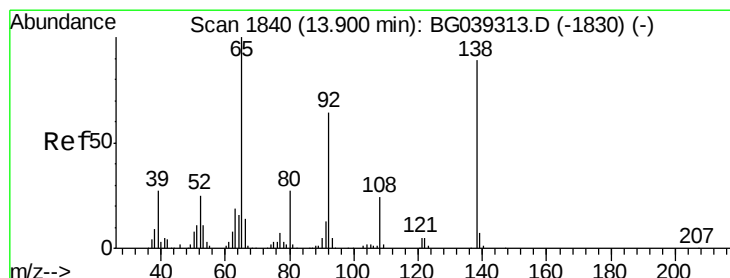
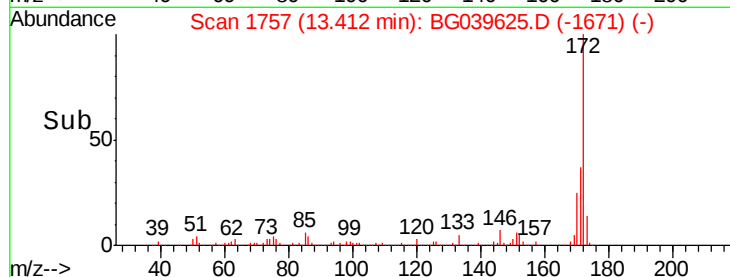
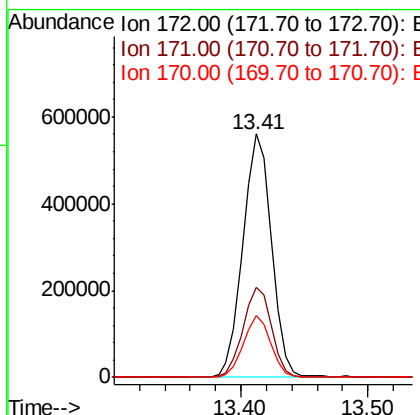
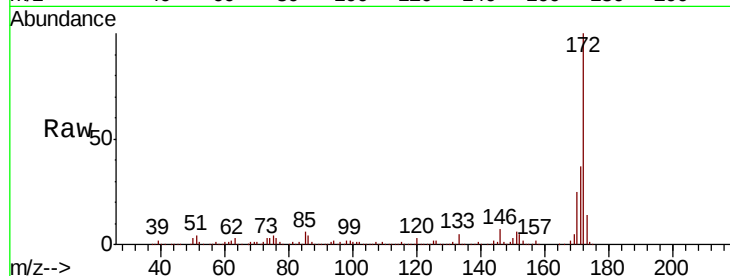




#45
 2-Fluorobiphenyl
 Concen: 81.187 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.02 min
 Lab File: BG039625.D
 Acq: 27 Feb 2019 7:56

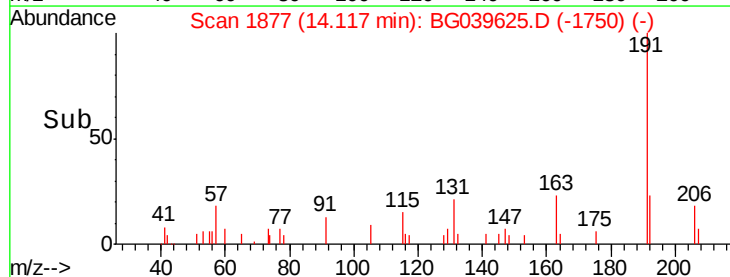
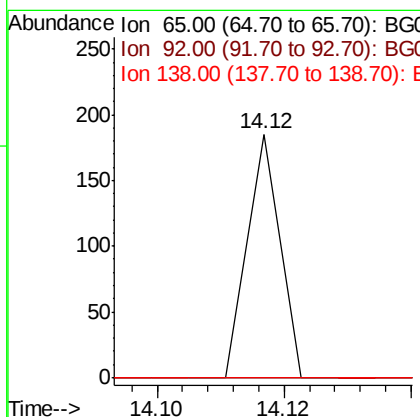
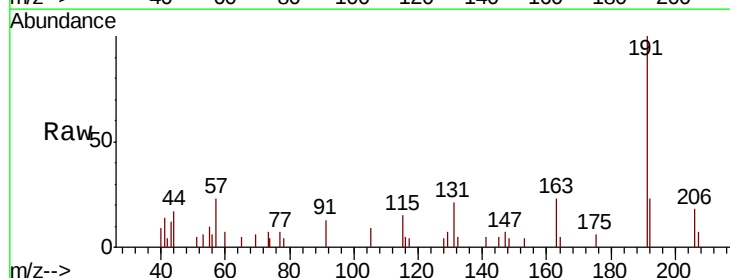
Instrument :
 BNA_G
 ClientSampleId :

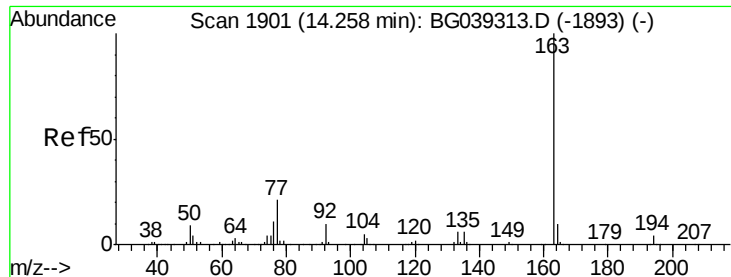
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.8	46.2
170	25.4	20.2	30.4



#48
 2-Nitroaniline
 Concen: 8.316 ng
 RT: 14.12 min Scan# 1877
 Delta R.T. 0.22 min
 Lab File: BG039625.D
 Acq: 27 Feb 2019 7:56

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





#50

Dimethylphthalate

Concen: 2.614 ng

RT: 14.23 min Scan# 1896

Delta R.T. -0.03 min

Lab File: BG039625.D

Acq: 27 Feb 2019 7:56

Instrument :

BNA_G

ClientSampleId :

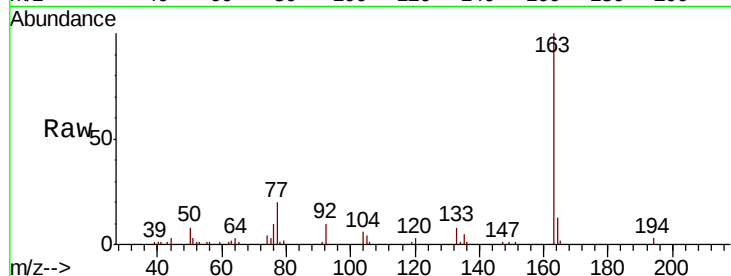
Tot Ion:163 Resp: 32830

Ion Ratio Lower Upper

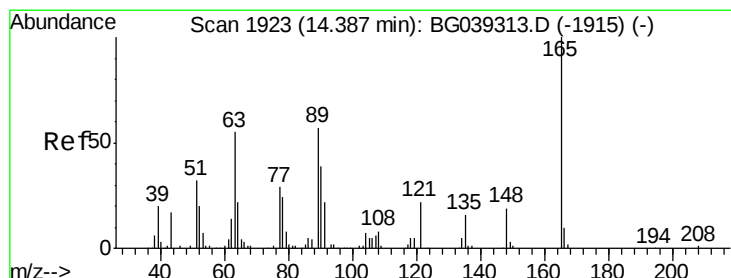
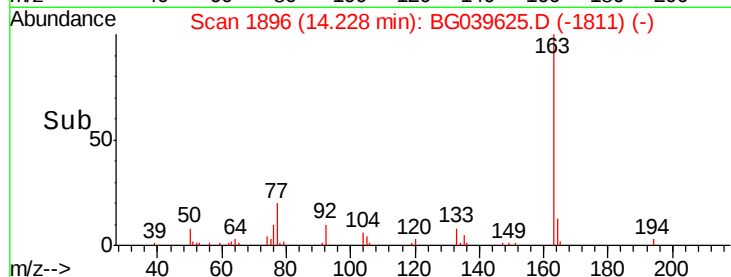
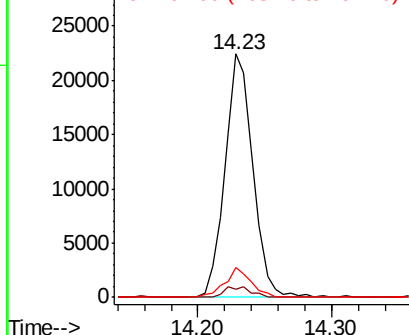
163 100

194 3.2 3.6 5.4#

164 12.5 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: 13.781 ng

RT: 14.79 min Scan# 1991

Delta R.T. 0.40 min

Lab File: BG039625.D

Acq: 27 Feb 2019 7:56

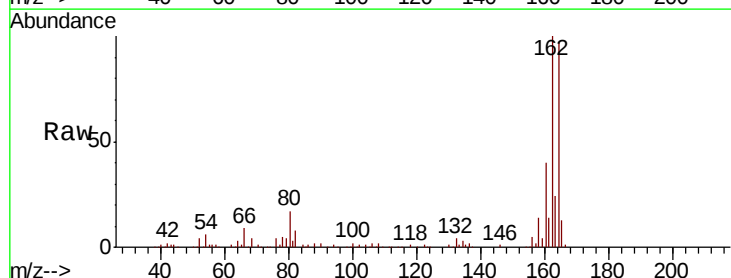
Tgt Ion:165 Resp: 19636

Ion Ratio Lower Upper

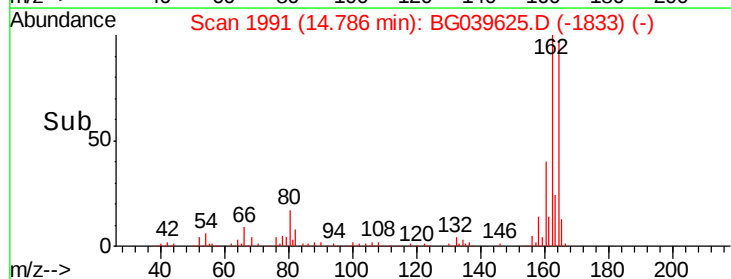
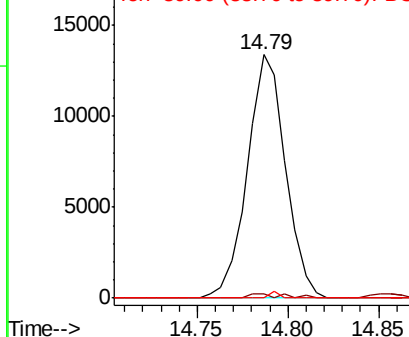
165 100

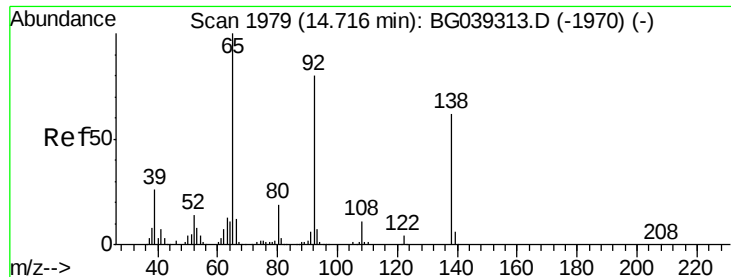
63 2.0 47.0 70.6#

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

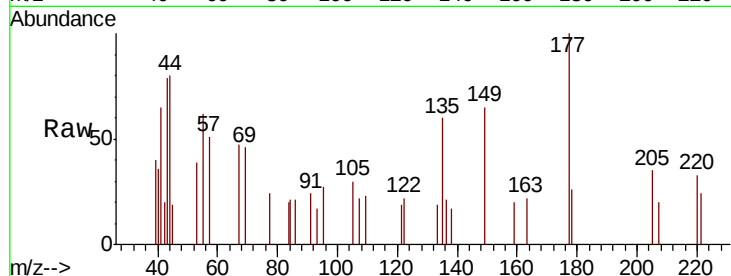




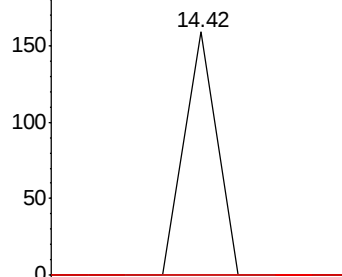
#53
3-Nitroaniline
Concen: 5.812 ng
RT: 14.42 min Scan# 1928
Delta R.T. -0.30 min
Lab File: BG039625.D
Acq: 27 Feb 2019 7:56

Instrument :
BNA_G
ClientSampleId :

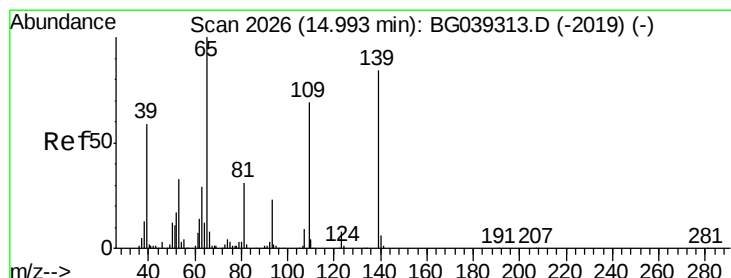
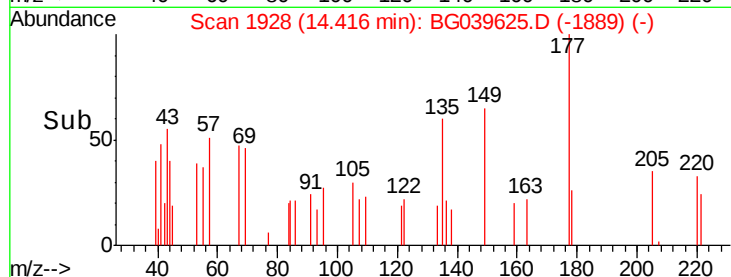
Tot Ion:138 Resp: 56
Ion Ratio Lower Upper
138 100
108 0.0 13.8 20.8#
92 0.0 103.7 155.5#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BGC

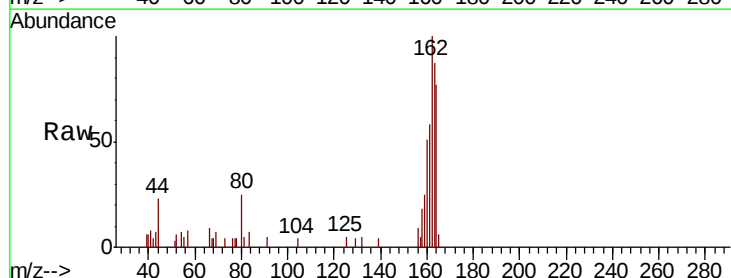


Time-->

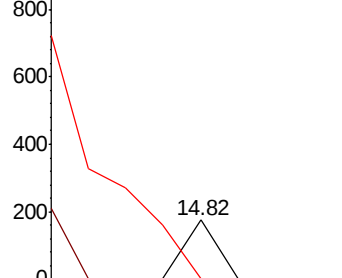


#56
4-Nitrophenol
Concen: 5.819 ng
RT: 14.82 min Scan# 1996
Delta R.T. -0.18 min
Lab File: BG039625.D
Acq: 27 Feb 2019 7:56

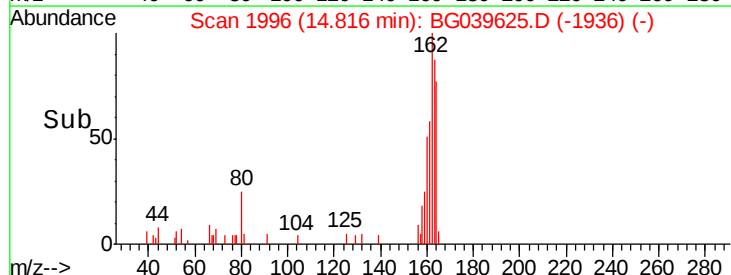
Tgt Ion:139 Resp: 62
Ion Ratio Lower Upper
139 100
109 0.0 61.9 101.9#
65 0.0 99.1 139.1#

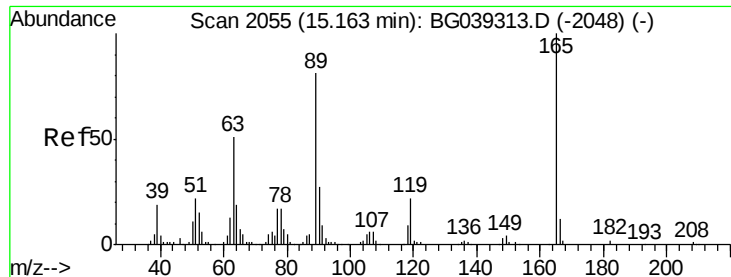


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC



Time-->

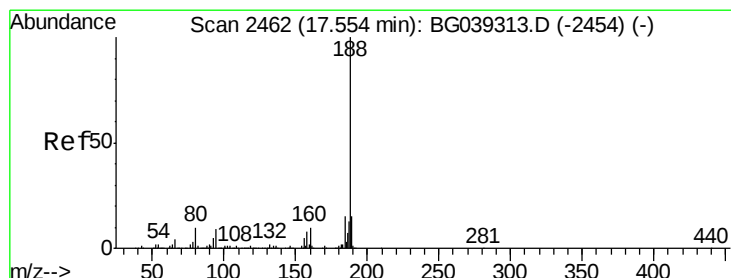
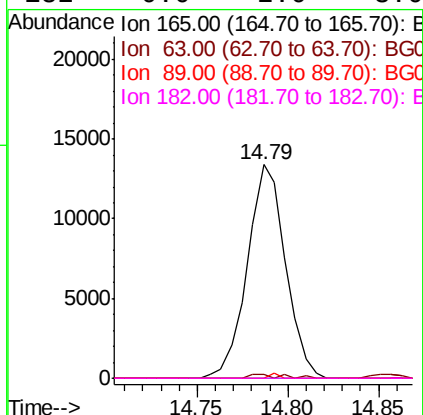
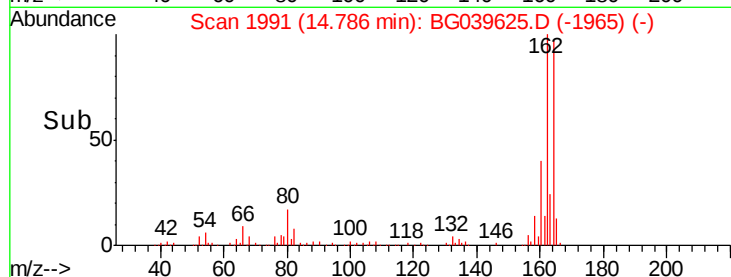
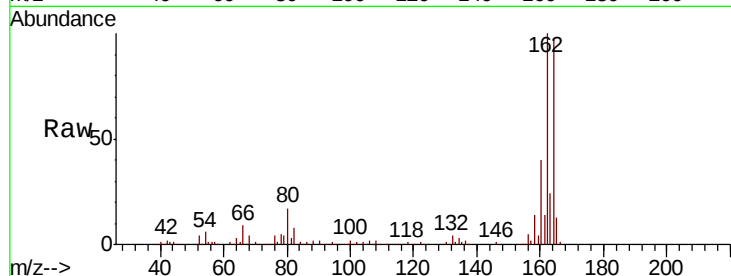




#57
 2,4-Dinitrotoluene
 Concen: 13.291 ng
 RT: 14.79 min Scan# 1991
 Delta R.T. -0.38 min
 Lab File: BG039625.D
 Acq: 27 Feb 2019 7:56

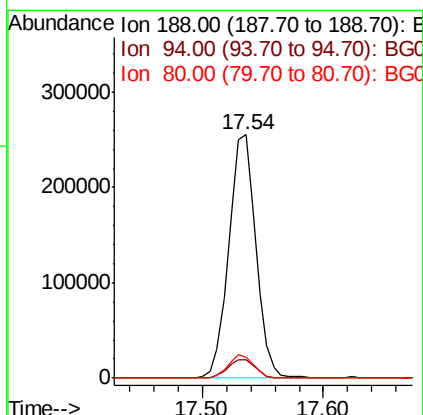
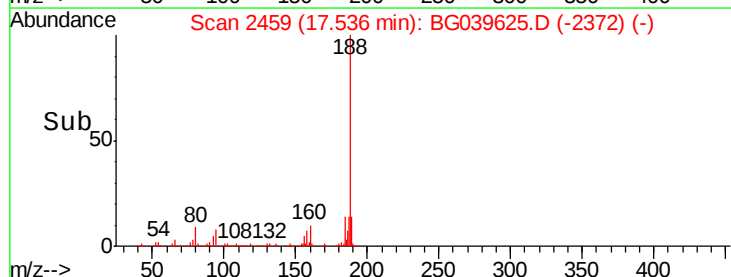
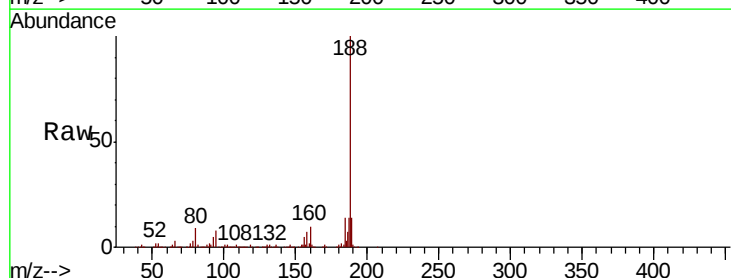
Instrument :
 BNA_G
 ClientSampleId :

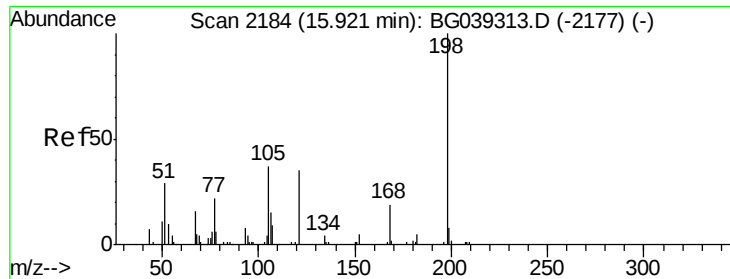
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	41.0	61.6#
89	0.0	64.6	96.8#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.54 min Scan# 2459
 Delta R.T. -0.02 min
 Lab File: BG039625.D
 Acq: 27 Feb 2019 7:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.9	10.3
80	8.6	8.1	12.1

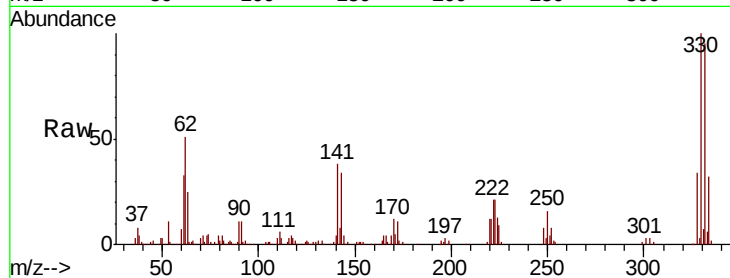




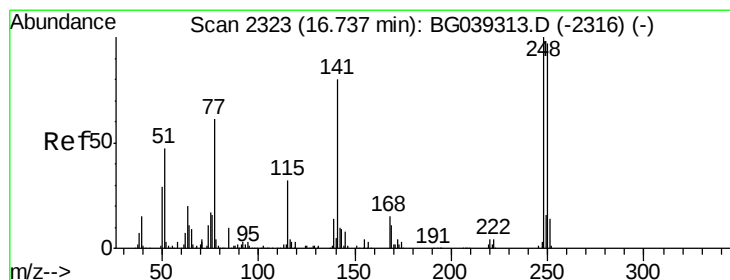
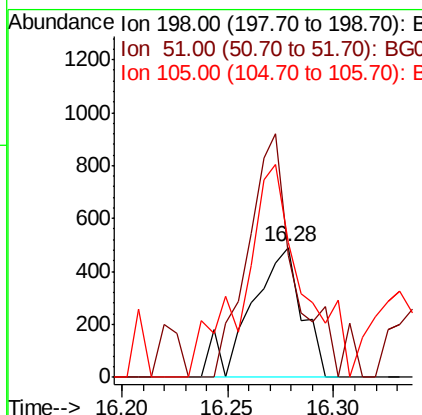
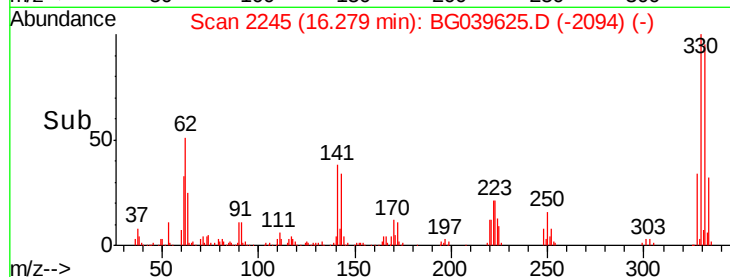
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.834 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. 0.36 min
 Lab File: BG039625.D
 Acq: 27 Feb 2019 7:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 822
 Ion Ratio Lower Upper
 198 100
 51 93.9 27.4 67.4#
 105 103.5 19.7 59.7#

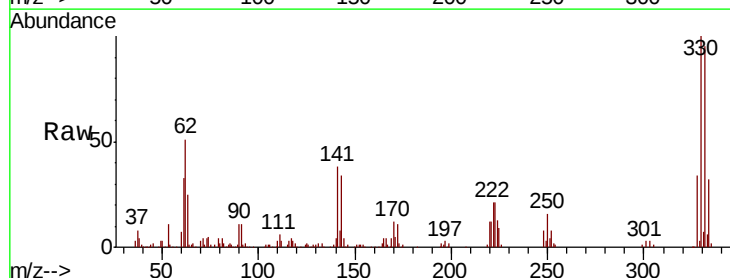


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

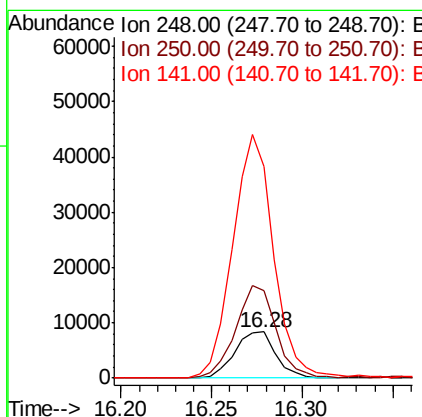
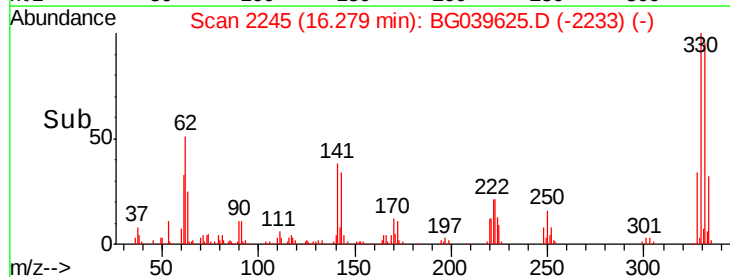


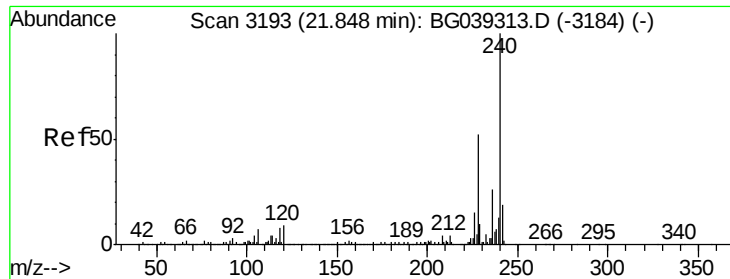
#67
 4-Bromophenyl-phenylether
 Concen: 2.960 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039625.D
 Acq: 27 Feb 2019 7:56

Tgt Ion:248 Resp: 13131
 Ion Ratio Lower Upper
 248 100
 250 188.1 77.6 116.4#
 141 458.1 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

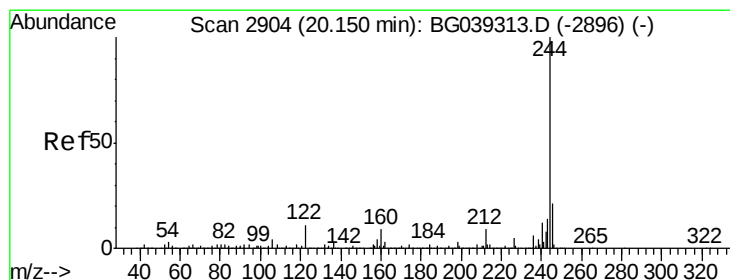
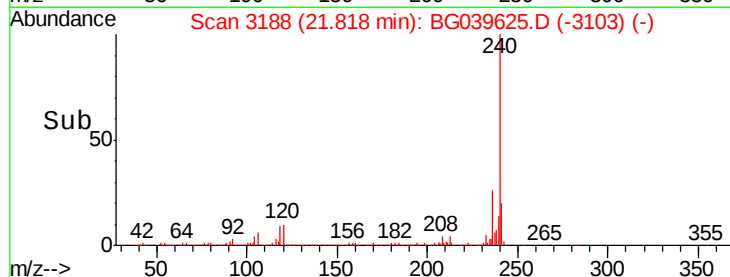
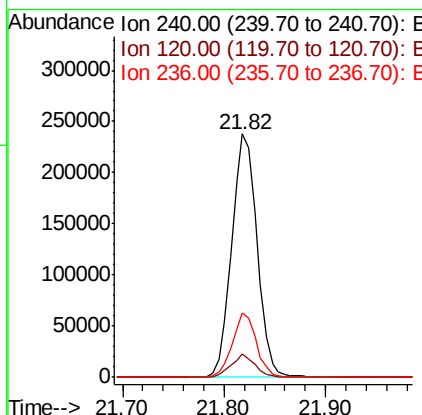
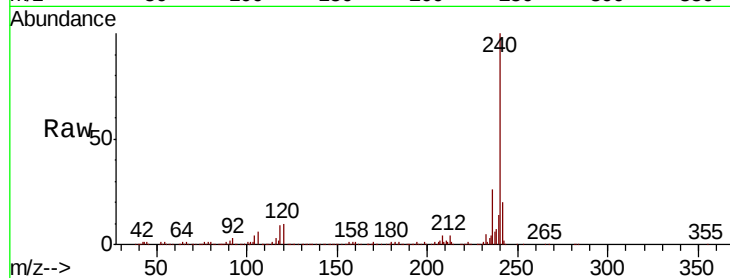




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3188
 Delta R.T. -0.03 min
 Lab File: BG039625.D
 Acq: 27 Feb 2019 7:56

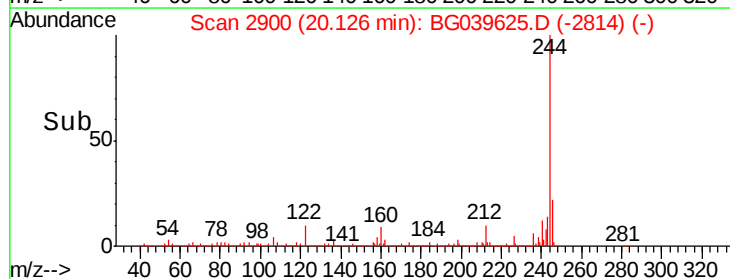
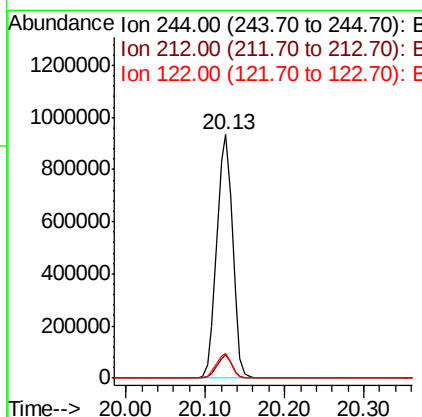
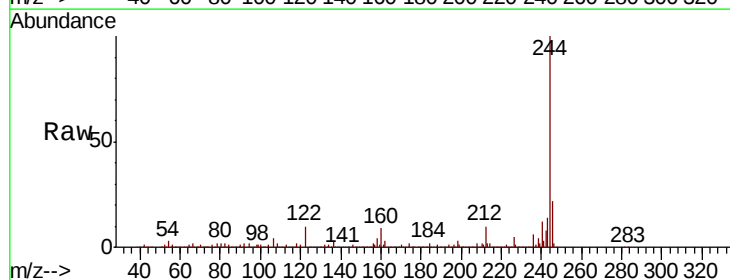
Instrument :
 BNA_G
 ClientSampleId :

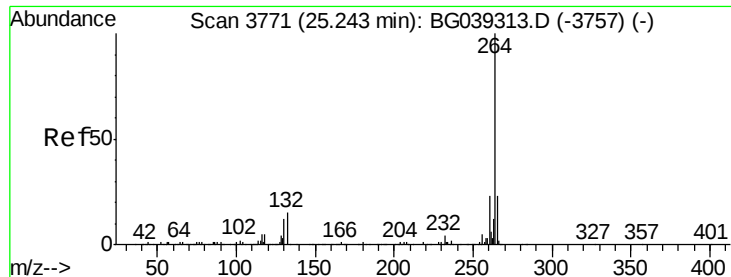
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.0	10.6
236	26.4	21.0	31.4



#79
 Terphenyl-d14
 Concen: 66.481 ng
 RT: 20.13 min Scan# 2900
 Delta R.T. -0.02 min
 Lab File: BG039625.D
 Acq: 27 Feb 2019 7:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.3	10.9
122	10.1	8.4	12.6

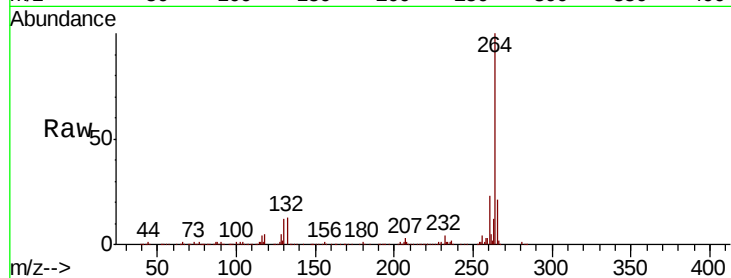




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.20 min Scan# 3763
 Delta R.T. -0.05 min
 Lab File: BG039625.D
 Acq: 27 Feb 2019 7:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	428835
Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.2	27.4
265	20.9	18.5	27.7



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

