

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022619\
 Data File : BG039628.D
 Acq On : 27 Feb 2019 9:54
 Operator : JU/SJ
 Sample : PB117396BL
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 27 10:31:40 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	54345	20.00	ng	-0.02
21) Naphthalene-d8	10.98	136	233879	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	158282	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	395642	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	426052	20.00	ng	-0.03
87) Perylene-d12	25.20	264	413153	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	287627	90.58	ng	0.00
7) Phenol-d6	7.31	99	401203	85.84	ng	0.00
23) Nitrobenzene-d5	9.34	82	348491	93.09	ng	-0.02
42) 2,4,6-Tribromophenol	16.27	330	135941	79.76	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	877221	79.50	ng	-0.02
79) Terphenyl-d14	20.13	244	1273833	63.29	ng	-0.02

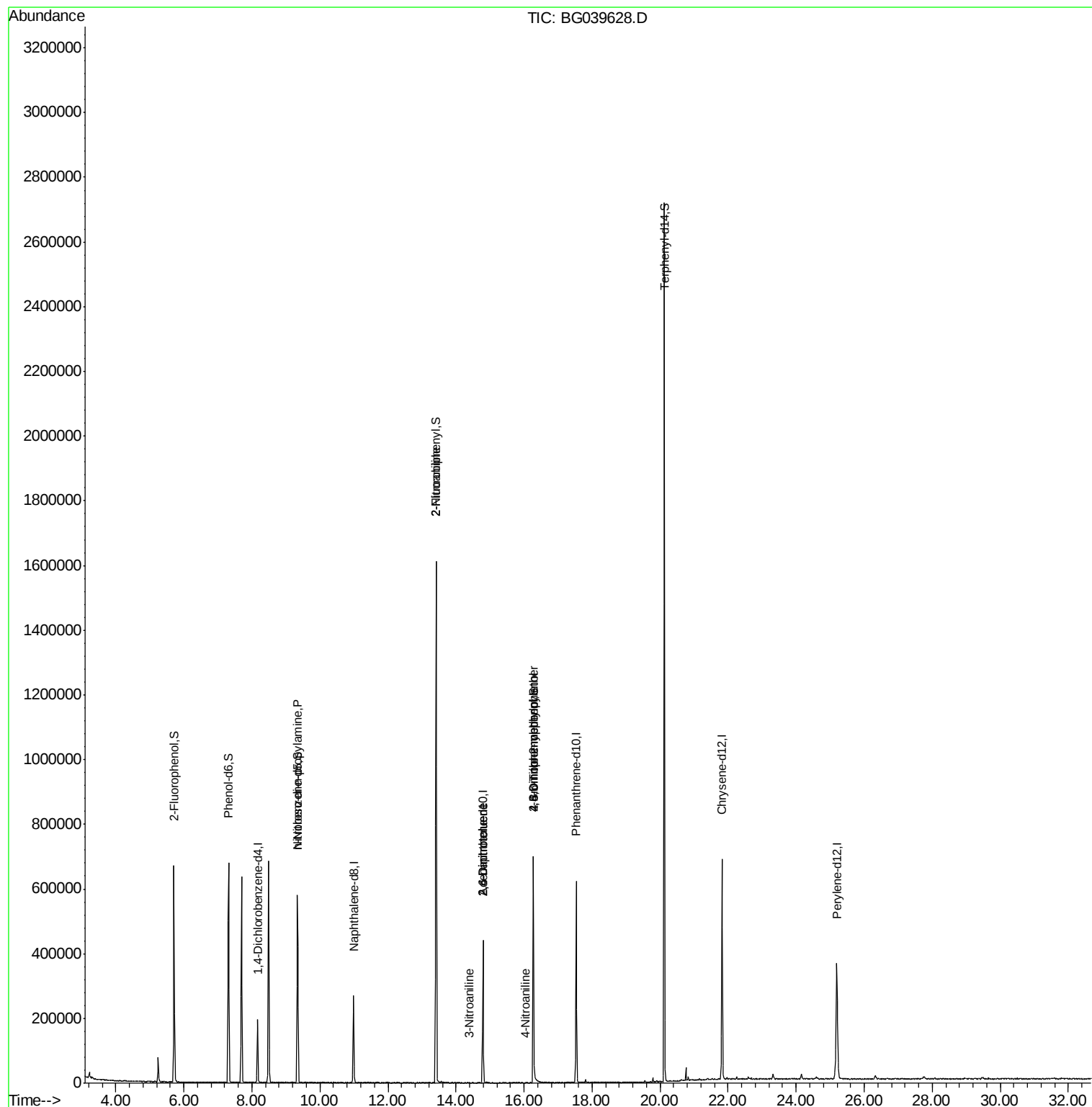
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	674	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	43910	13.236	ng	# 69
48) 2-Nitroaniline	13.41	65	1766	8.810	ng	# 5
51) 2,6-Dinitrotoluene	14.79	165	20257	13.879	ng	# 22
53) 3-Nitroaniline	14.40	138	56	5.812	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	20257	13.365	ng	# 17
62) 4-Nitroaniline	16.05	138	60	4.223	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.27	198	401	4.498	ng	# 1
67) 4-Bromophenyl-phenylether	16.27	248	10238	2.333	ng	# 1

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

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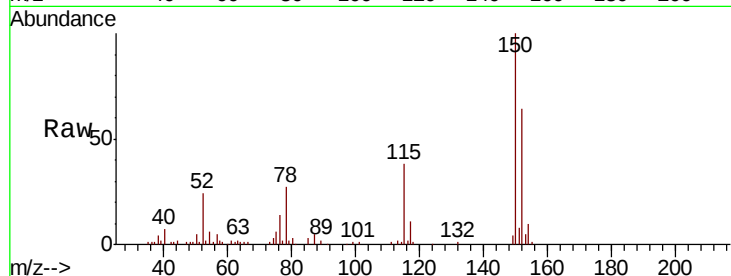


#1

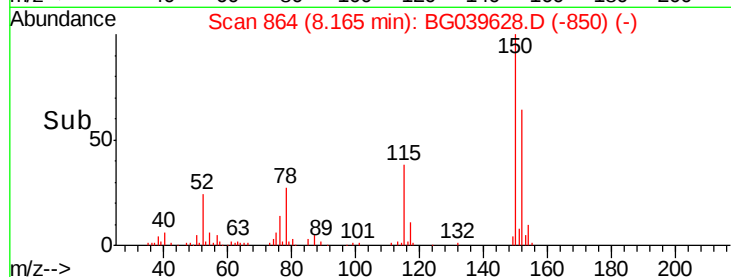
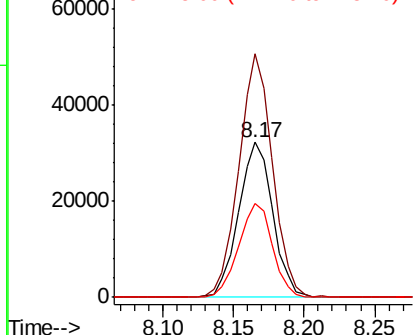
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039628.D
Acq: 27 Feb 2019 9:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 54345
Ion Ratio Lower Upper
152 100
150 157.3 123.7 185.5
115 60.5 45.9 68.9



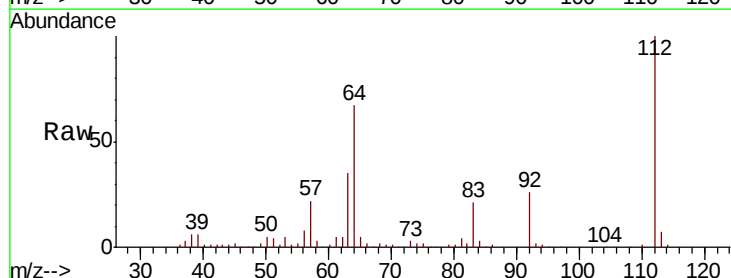
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



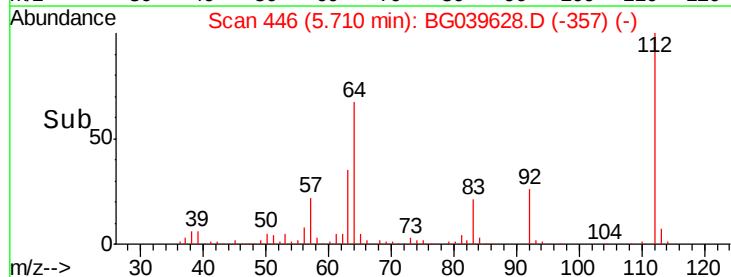
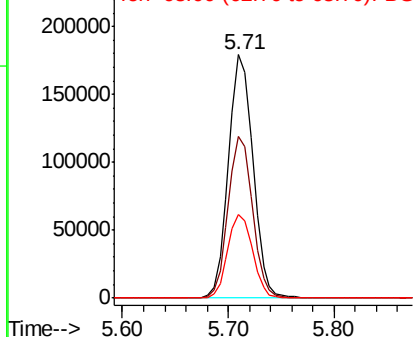
#5

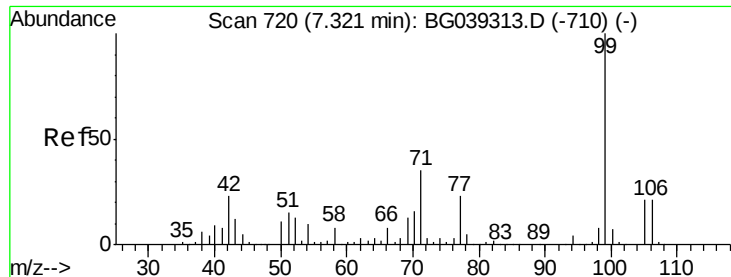
2-Fluorophenol
Concen: 90.584 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039628.D
Acq: 27 Feb 2019 9:54

Tgt Ion:112 Resp: 287627
Ion Ratio Lower Upper
112 100
64 66.6 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: 85.839 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039628.D

Acq: 27 Feb 2019 9:54

Instrument :

BNA_G

ClientSampleId :

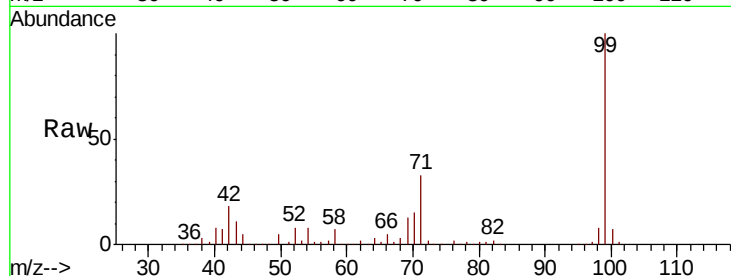
Tot Ion: 99 Resp: 401203

Ion Ratio Lower Upper

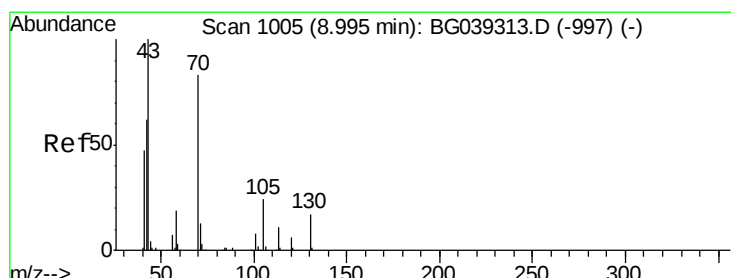
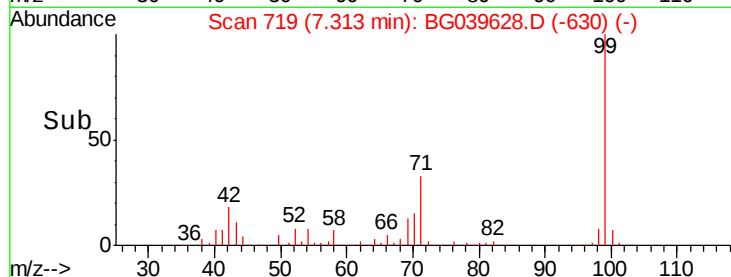
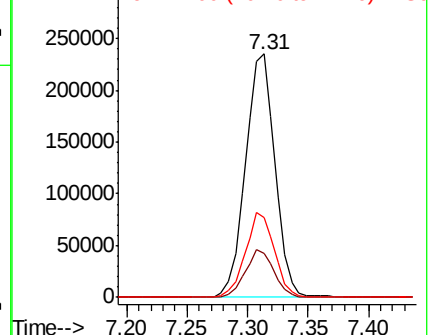
99 100

42 18.2 18.2 27.2

71 32.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.236 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.35 min

Lab File: BG039628.D

Acq: 27 Feb 2019 9:54

Tgt Ion: 70 Resp: 43910

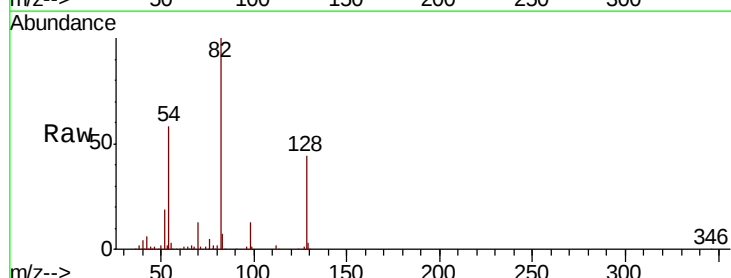
Ion Ratio Lower Upper

70 100

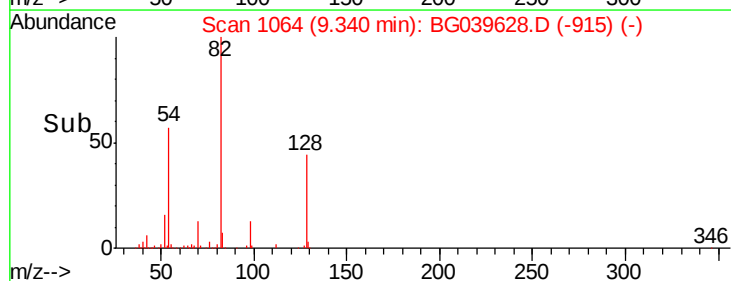
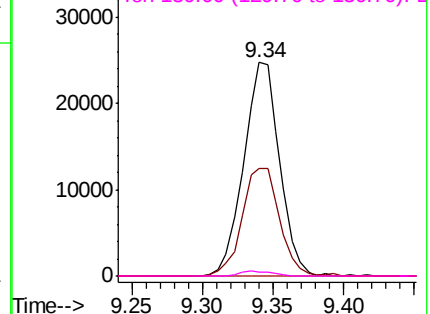
42 50.5 60.4 90.6#

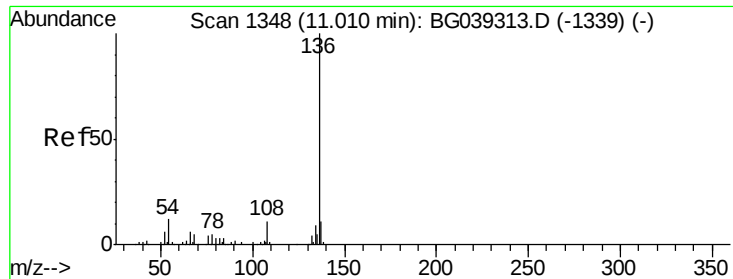
101 0.0 7.5 11.3#

130 1.6 16.9 25.3#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

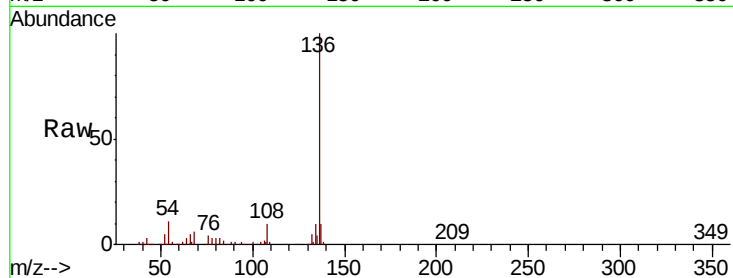




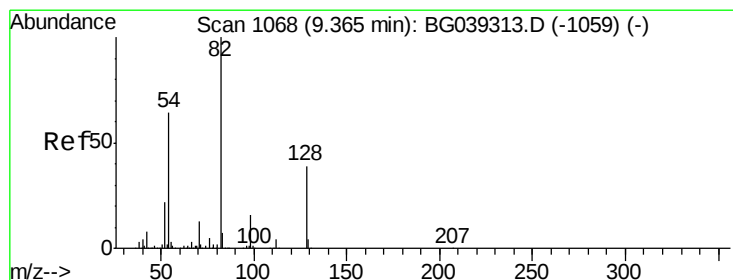
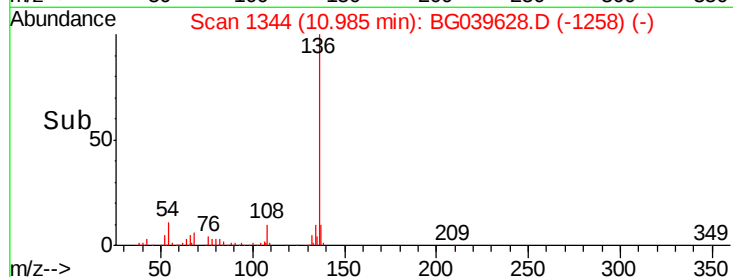
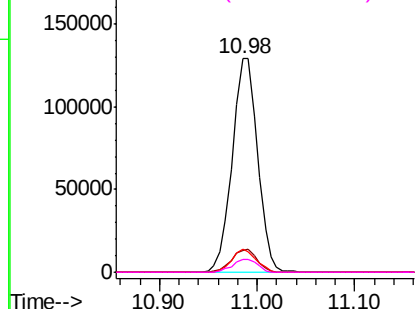
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.02 min
Lab File: BG039628.D
Acq: 27 Feb 2019 9:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	233879
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	10.6	9.4	14.2
68	5.8	4.2	6.4

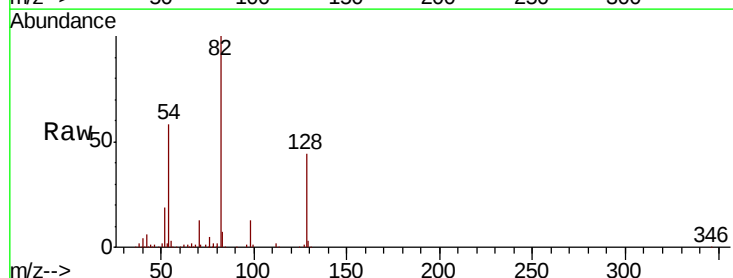


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

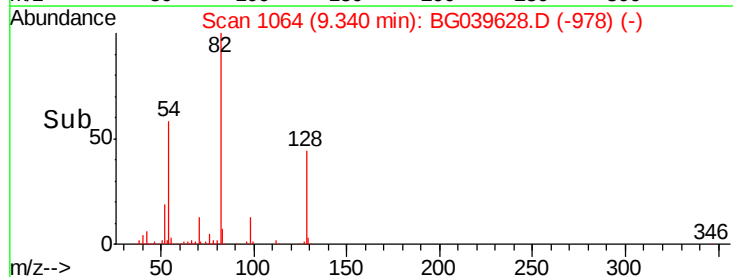
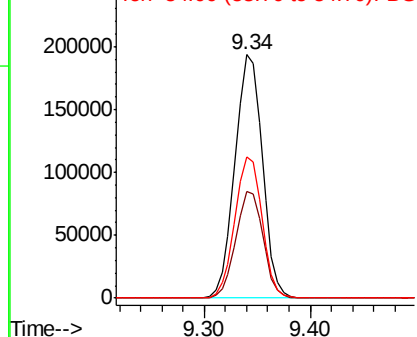


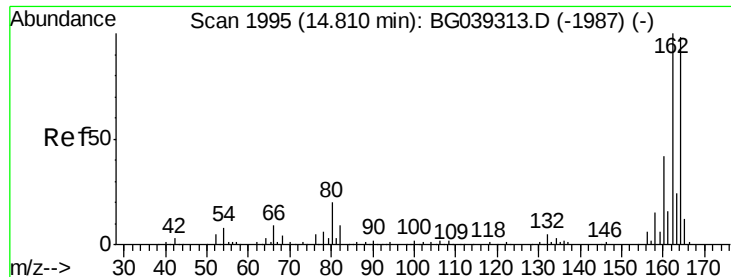
#23
Nitrobenzene-d5
Concen: 93.086 ng
RT: 9.34 min Scan# 1064
Delta R.T. -0.02 min
Lab File: BG039628.D
Acq: 27 Feb 2019 9:54

Tgt Ion:	82	Resp:	348491
Ion	Ratio	Lower	Upper
82	100		
128	43.8	31.3	46.9
54	57.9	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: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039628.D

Acq: 27 Feb 2019 9:54

Instrument :

BNA_G

ClientSampled :

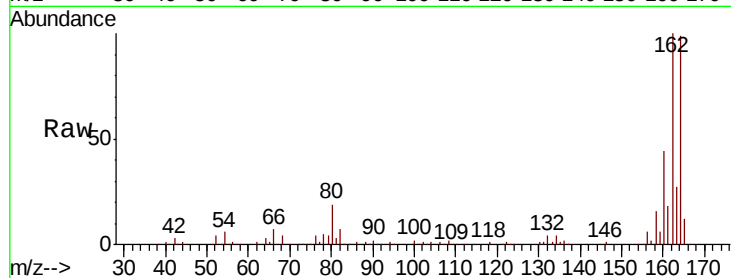
Tot Ion:164 Resp: 158282

Ion Ratio Lower Upper

164 100

162 100.6 81.6 122.4

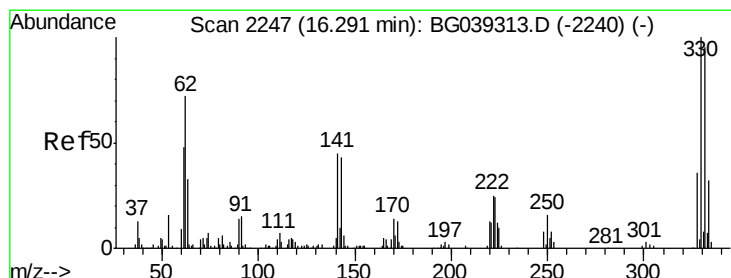
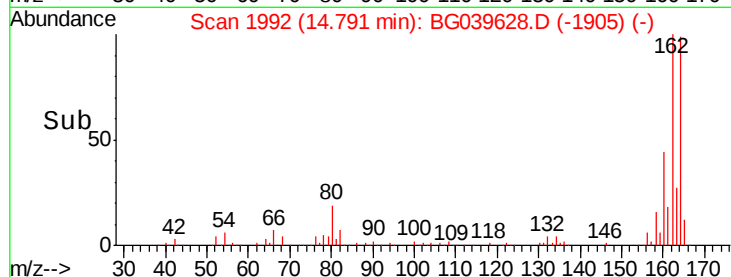
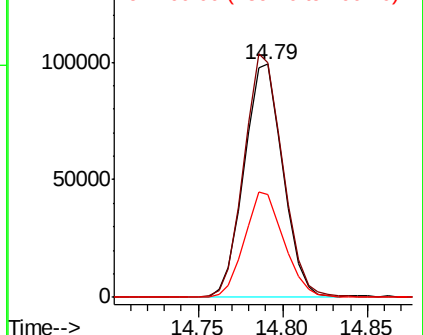
160 44.0 34.2 51.2



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: 79.758 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.02 min

Lab File: BG039628.D

Acq: 27 Feb 2019 9:54

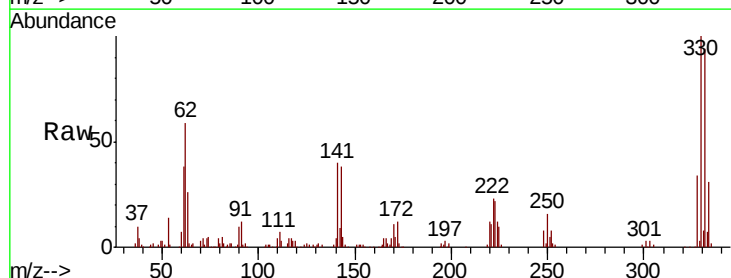
Tgt Ion:330 Resp: 135941

Ion Ratio Lower Upper

330 100

332 94.6 75.7 113.5

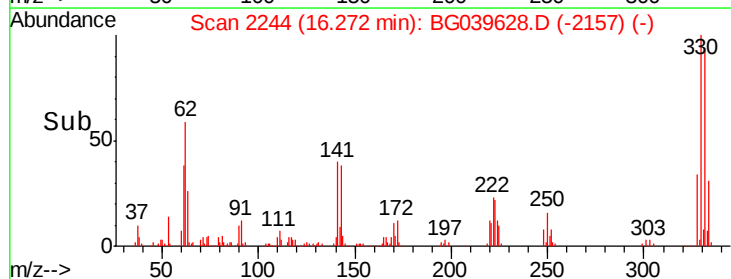
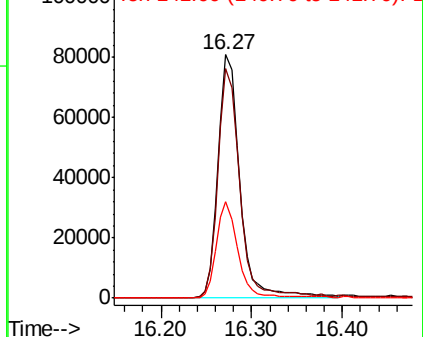
141 38.7 35.6 53.4



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

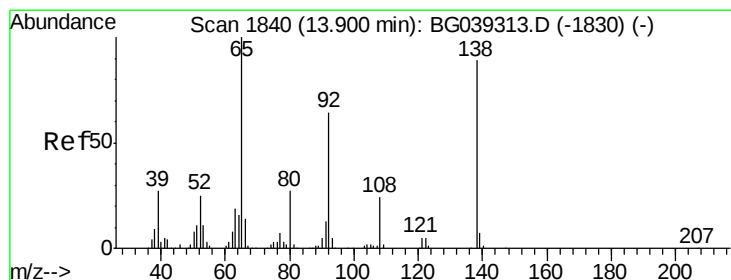
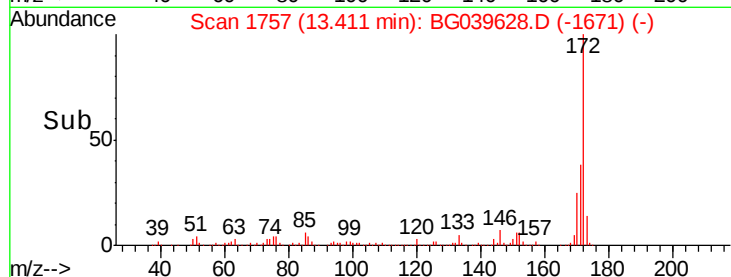
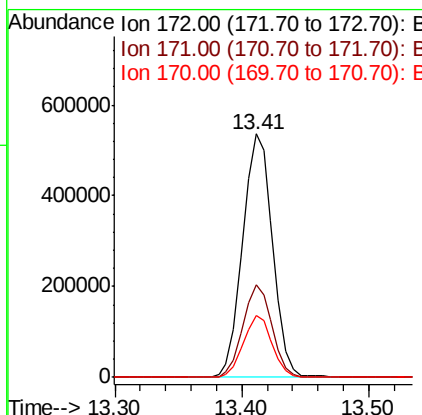
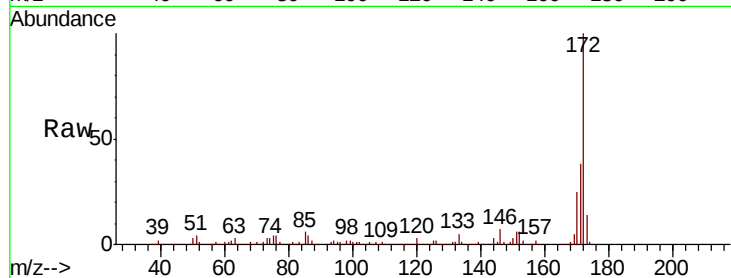




#45
2-Fluorobiphenyl
Concen: 79.505 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.02 min
Lab File: BG039628.D
Acq: 27 Feb 2019 9:54

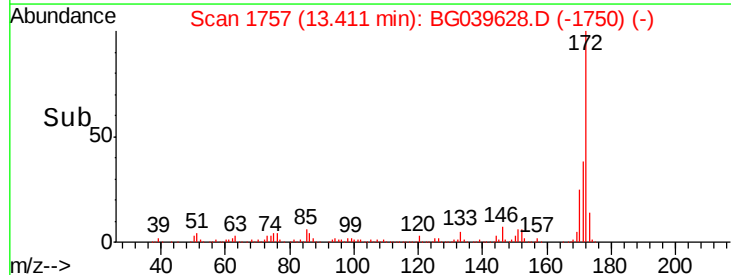
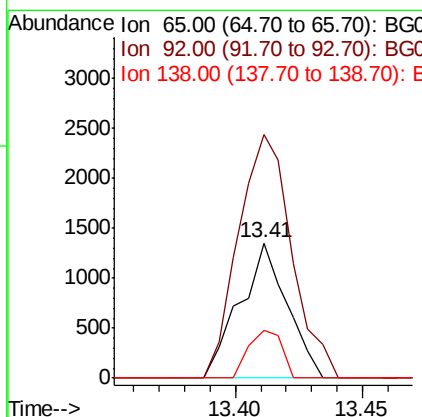
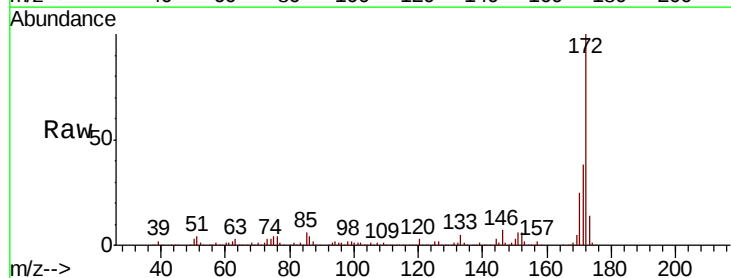
Instrument :
BNA_G
ClientSampleId :

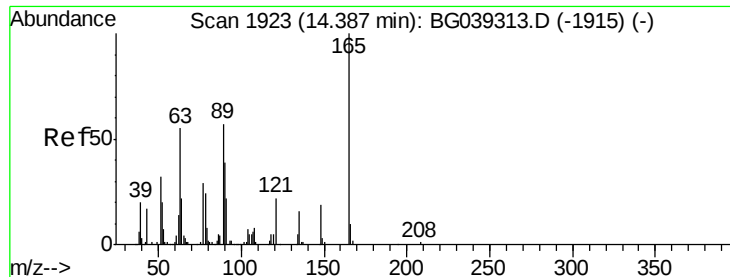
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.8	46.2
170	25.2	20.2	30.4



#48
2-Nitroaniline
Concen: 8.810 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.49 min
Lab File: BG039628.D
Acq: 27 Feb 2019 9:54

Tgt Ion	Ratio	Lower	Upper
65	100		
92	179.9	51.4	77.2#
138	35.0	71.4	107.2#

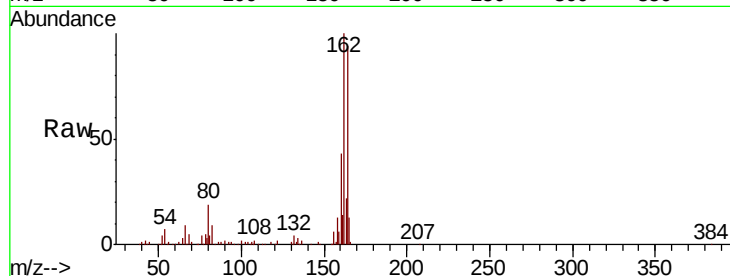




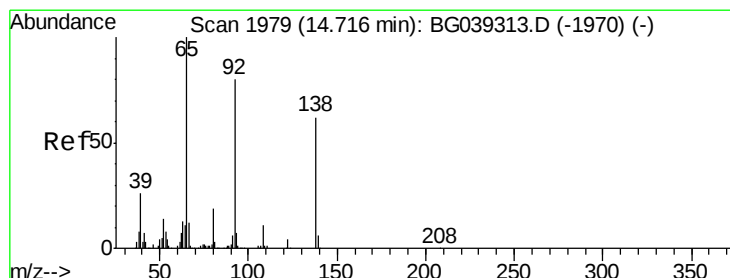
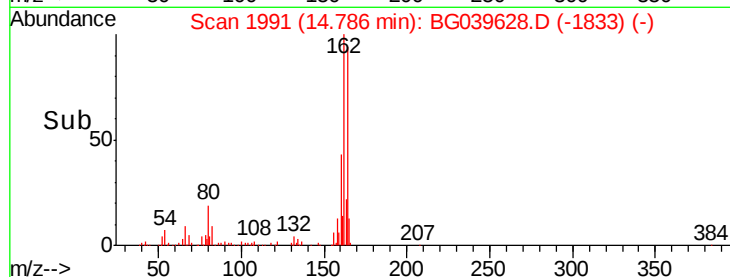
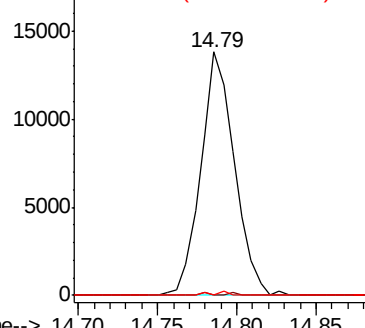
#51
 2,6-Dinitrotoluene
 Concen: 13.879 ng
 RT: 14.79 min Scan# 1991
 Delta R.T. 0.40 min
 Lab File: BG039628.D
 Acq: 27 Feb 2019 9:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.0	70.6#
89	0.0	45.8	68.8#

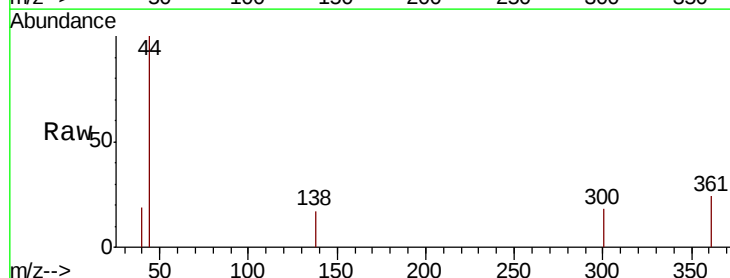


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGO
 Ion 89.00 (88.70 to 89.70): BGO

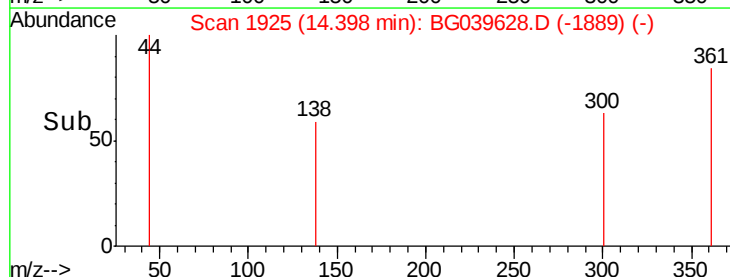
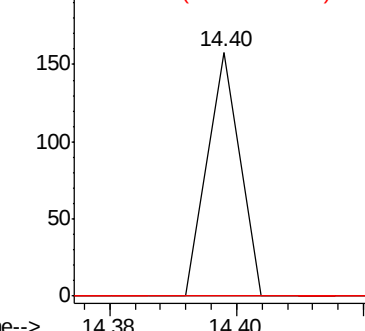


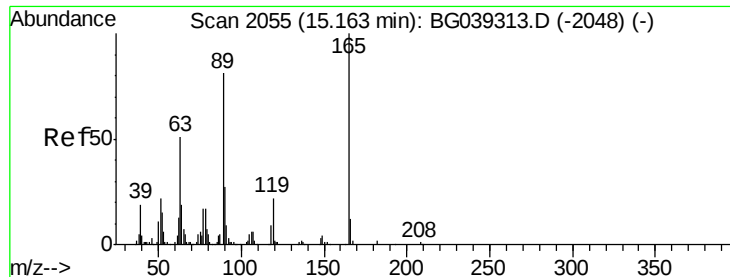
#53
 3-Nitroaniline
 Concen: 5.812 ng
 RT: 14.40 min Scan# 1925
 Delta R.T. -0.32 min
 Lab File: BG039628.D
 Acq: 27 Feb 2019 9:54

Tgt 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): BGO

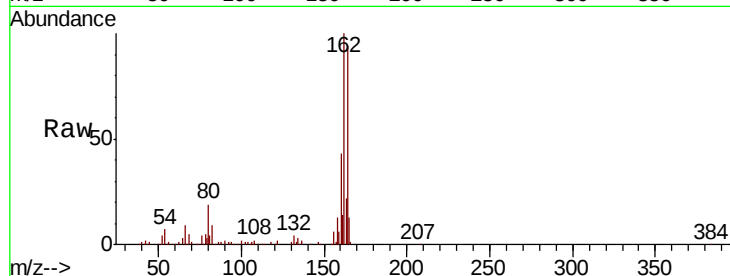




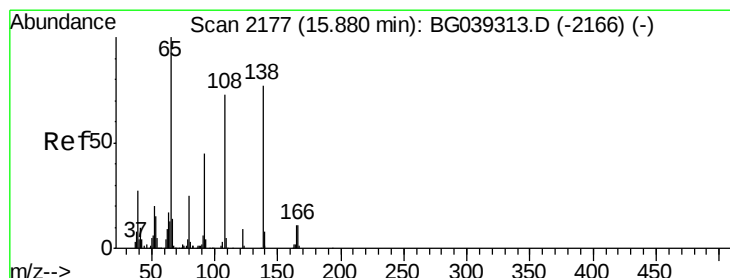
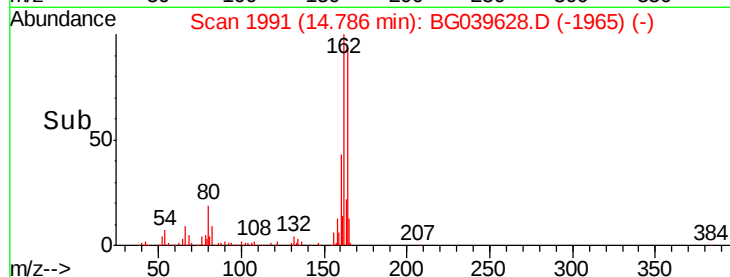
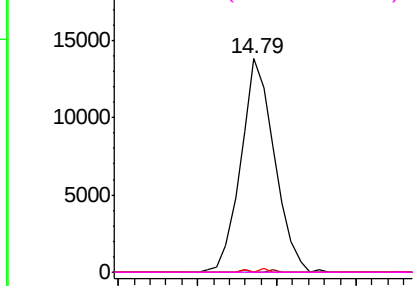
#57
 2,4-Dinitrotoluene
 Concen: 13.365 ng
 RT: 14.79 min Scan# 1991
 Delta R.T. -0.38 min
 Lab File: BG039628.D
 Acq: 27 Feb 2019 9:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	20257
Ion Ratio	Lower	Upper
165	100	
63	0.0	41.0 61.6#
89	0.0	64.6 96.8#
182	0.0	2.0 3.0#

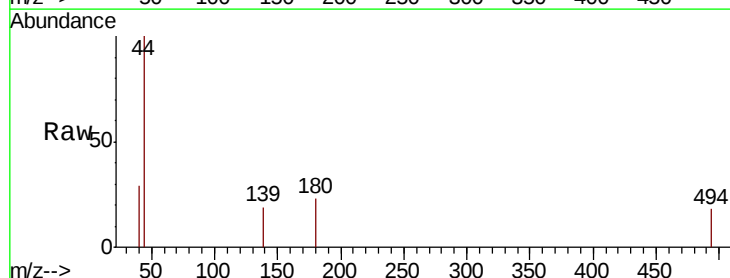


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

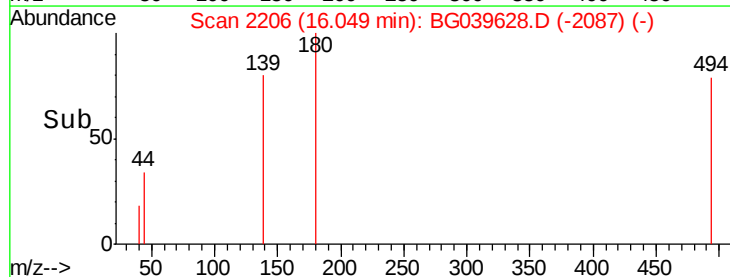
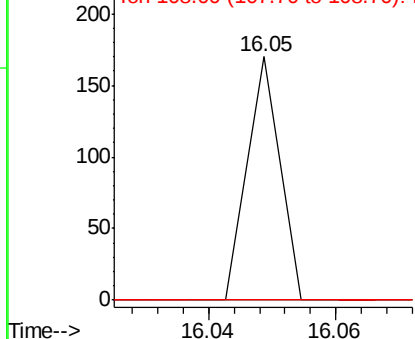


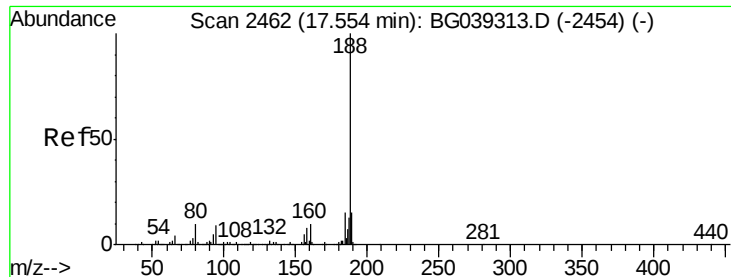
#62
 4-Nitroaniline
 Concen: 4.223 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. 0.17 min
 Lab File: BG039628.D
 Acq: 27 Feb 2019 9:54

Tgt Ion:138	Resp:	60
Ion Ratio	Lower	Upper
138	100	
92	0.0	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): BGC
 Ion 108.00 (107.70 to 108.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039628.D

Acq: 27 Feb 2019 9:54

Instrument :

BNA_G

ClientSampleId :

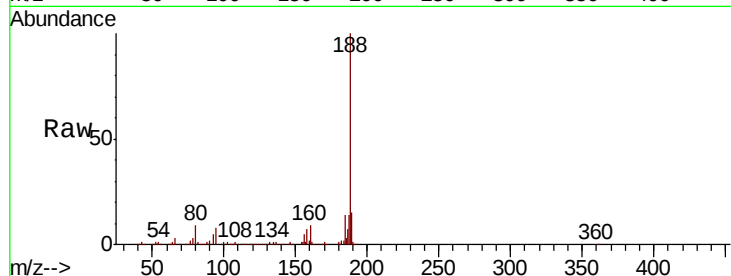
Tot Ion:188 Resp: 395642

Ion Ratio Lower Upper

188 100

94 7.6 6.9 10.3

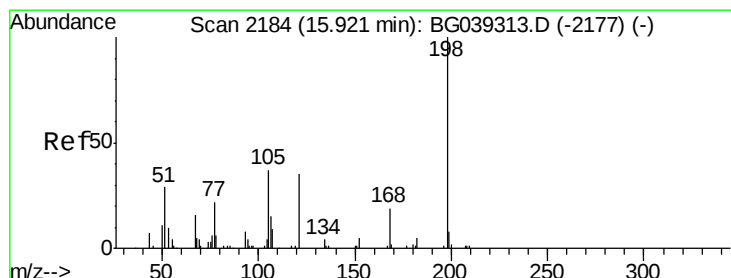
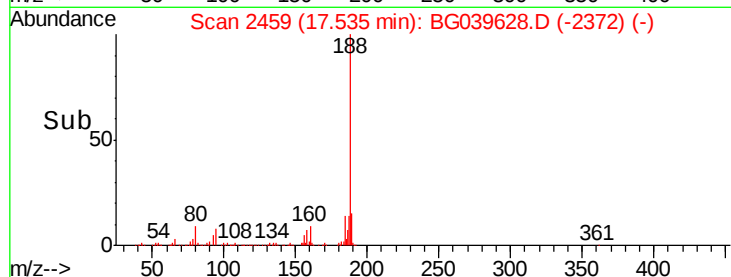
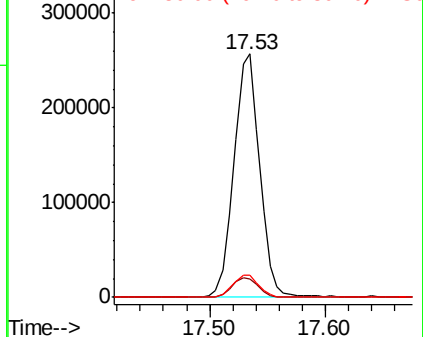
80 9.0 8.1 12.1



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: 4.498 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.35 min

Lab File: BG039628.D

Acq: 27 Feb 2019 9:54

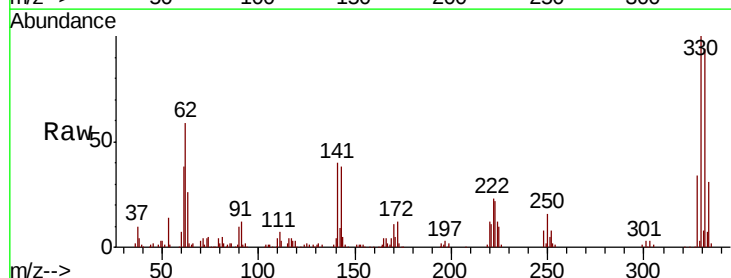
Tgt Ion:198 Resp: 401

Ion Ratio Lower Upper

198 100

51 186.8 27.4 67.4#

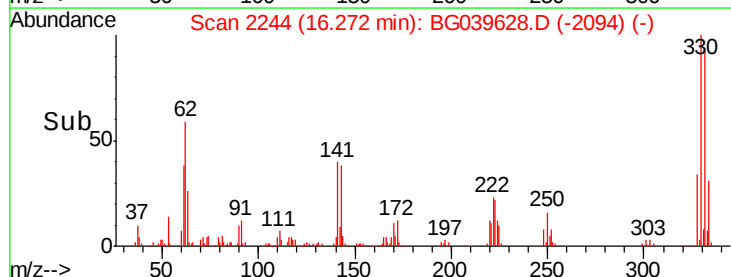
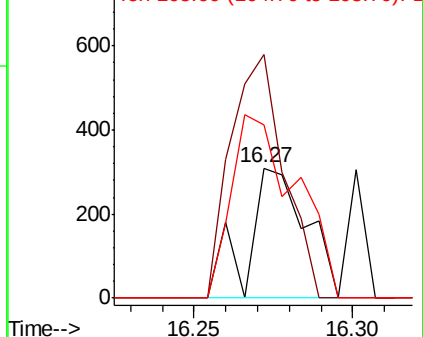
105 132.6 19.7 59.7#

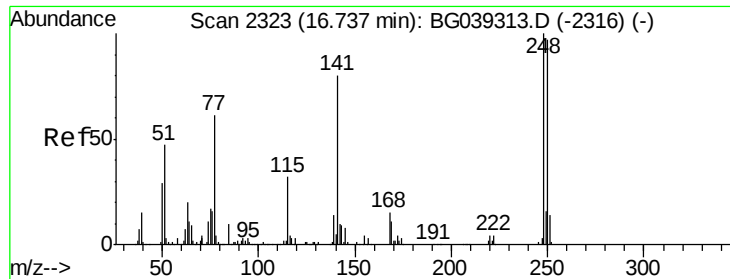


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

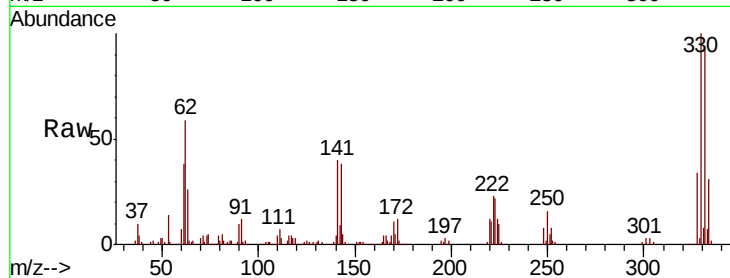




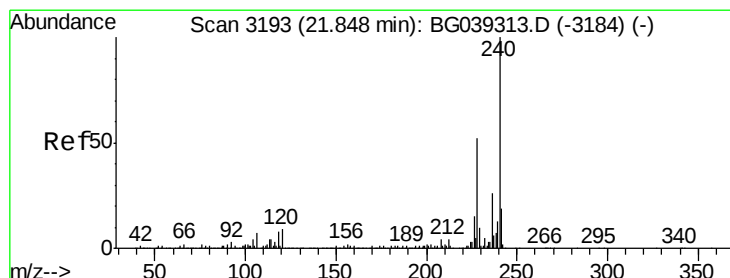
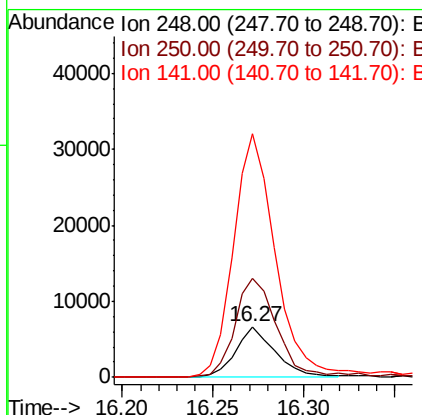
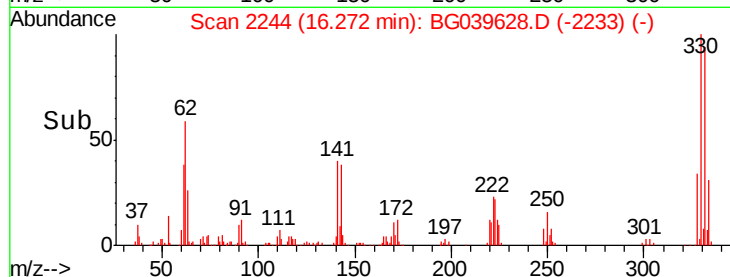
#67
4-Bromophenyl-phenylether
Concen: 2.333 ng
RT: 16.27 min Scan# 2244
Delta R.T. -0.47 min
Lab File: BG039628.D
Acq: 27 Feb 2019 9:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 10238
Ion Ratio Lower Upper
248 100
250 195.8 77.6 116.4#
141 483.9 63.9 95.9#

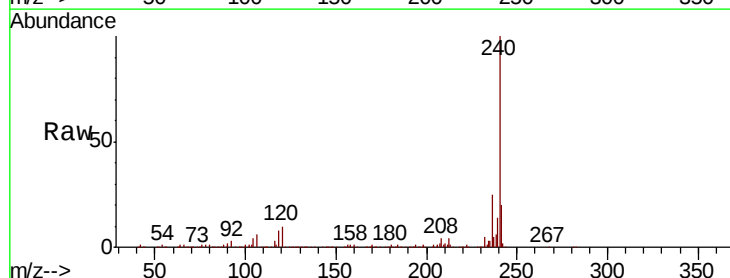


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

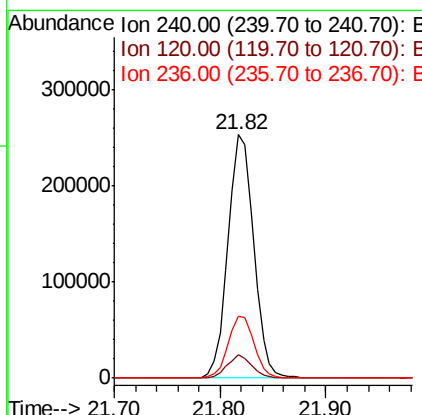
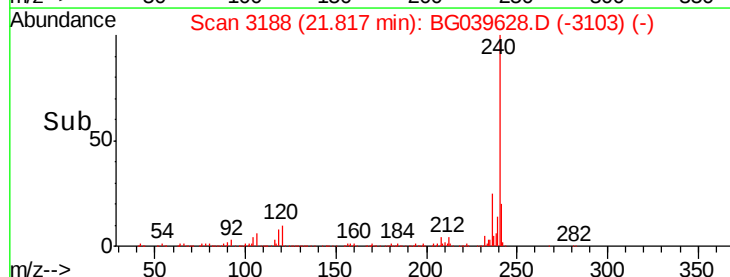


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3188
Delta R.T. -0.03 min
Lab File: BG039628.D
Acq: 27 Feb 2019 9:54

Tgt Ion:240 Resp: 426052
Ion Ratio Lower Upper
240 100
120 9.8 7.0 10.6
236 25.4 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



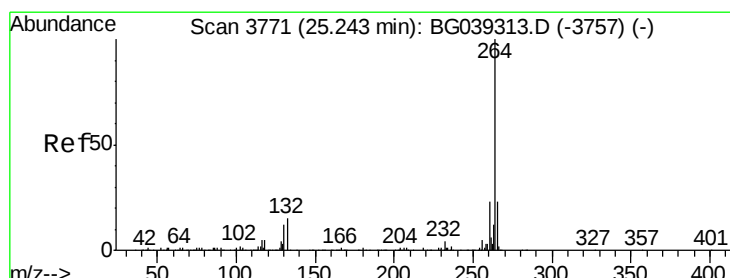
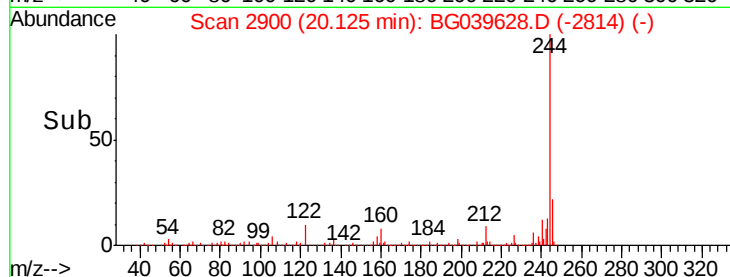
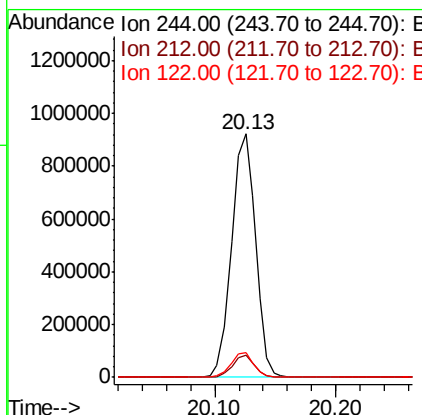
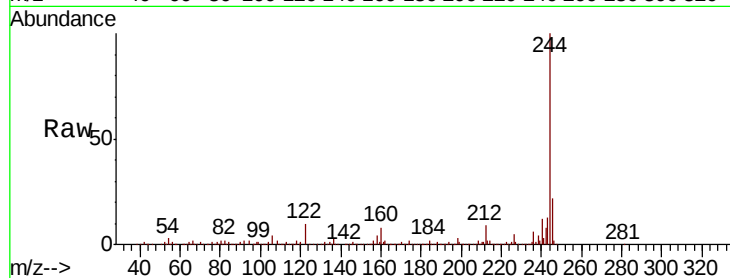


#79
 Terphenyl-d14
 Concen: 63.286 ng
 RT: 20.13 min Scan# 2900
 Delta R.T. -0.02 min
 Lab File: BG039628.D
 Acq: 27 Feb 2019 9:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1273833

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.3	10.9
122	10.0	8.4	12.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.20 min Scan# 3763
 Delta R.T. -0.05 min
 Lab File: BG039628.D
 Acq: 27 Feb 2019 9:54

Tgt Ion:264 Resp: 413153

Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.2	27.4
265	22.9	18.5	27.7

