

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120418\
 Data File : BG038360.D
 Acq On : 5 Dec 2018 14:59
 Operator : JU/SJ
 Sample : J5764-26RE
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 05 15:39:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 04 17:15:40 2018
 Response via : Initial Calibration

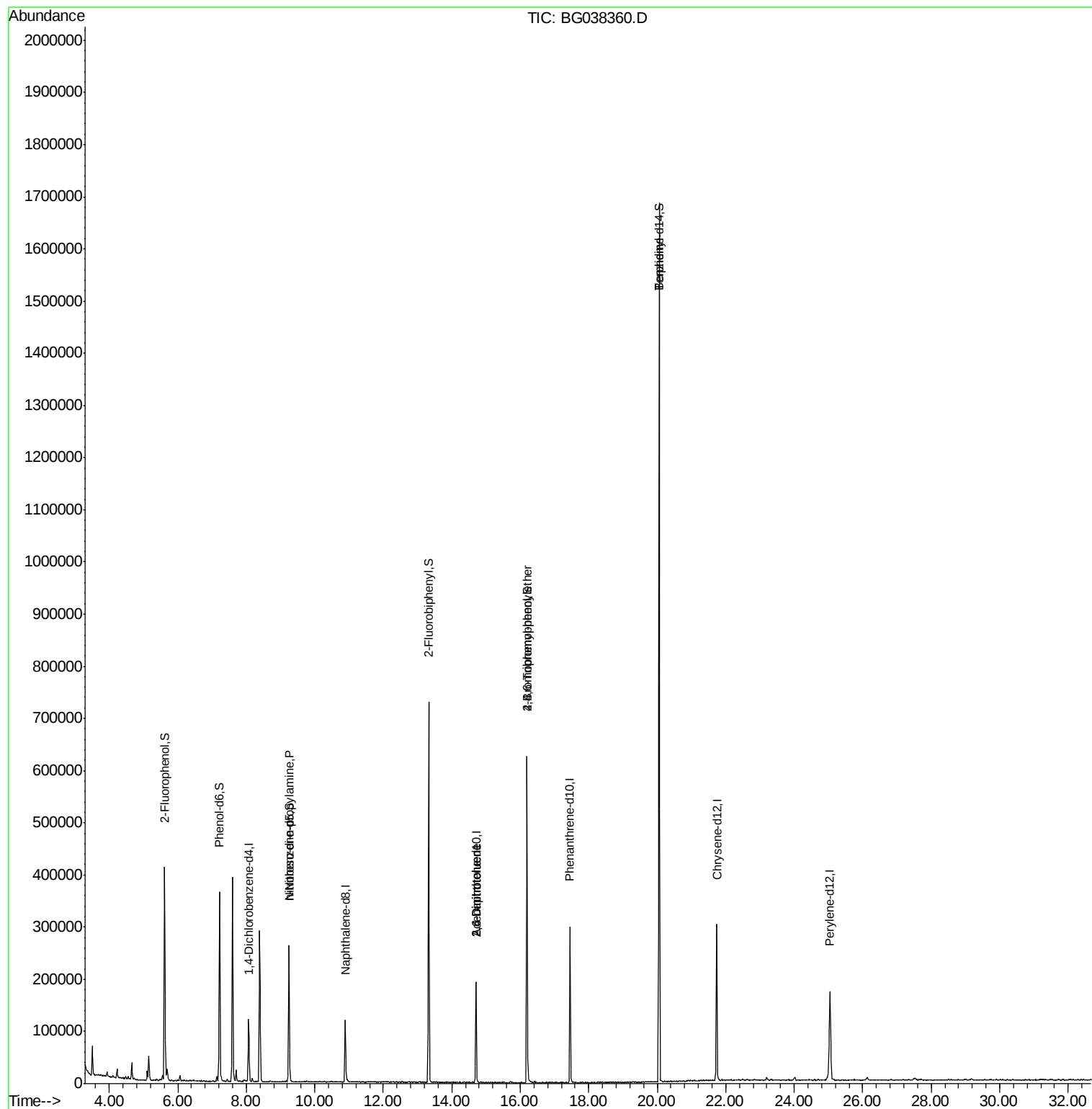
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	33971	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	109465	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	72364	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	189440	20.00	ng	0.00
76) Chrysene-d12	21.73	240	192156	20.00	ng	-0.01
87) Perylene-d12	25.05	264	199025	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	197284	102.77	ng	0.00
7) Phenol-d6	7.22	99	212827	76.71	ng	0.00
23) Nitrobenzene-d5	9.25	82	166477	75.51	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	118811	133.74	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	386862	76.18	ng	0.00
79) Terphenyl-d14	20.06	244	776261	86.54	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	21580	9.011	ng	# 78
22) Acetophenone	8.86	105	423	Below Cal		# 48
51) 2,6-Dinitrotoluene	14.70	165	9144	6.897	ng	# 23
57) 2,4-Dinitrotoluene	14.70	165	9144	5.000	ng	# 23
67) 4-Bromophenyl-phenylether	16.20	248	8036	3.928	ng	# 1
77) Benzidine	20.06	184	13844	2.135	ng	# 95

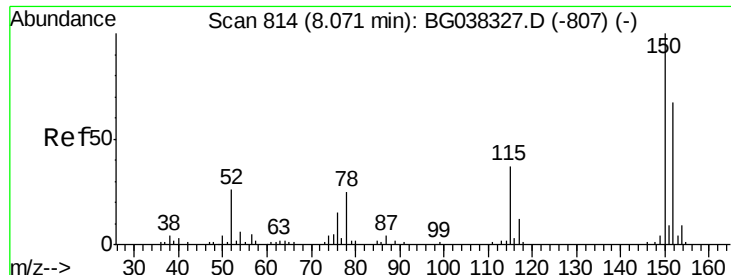
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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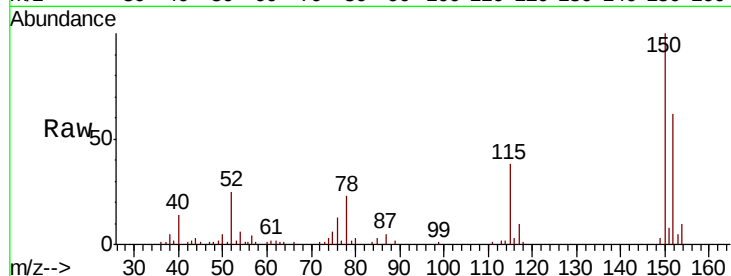


#1

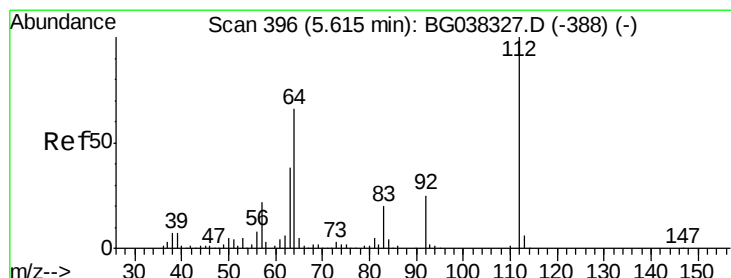
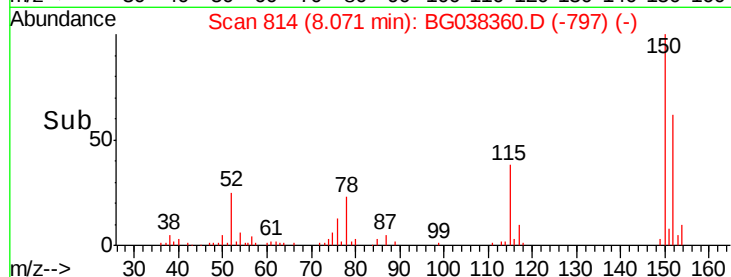
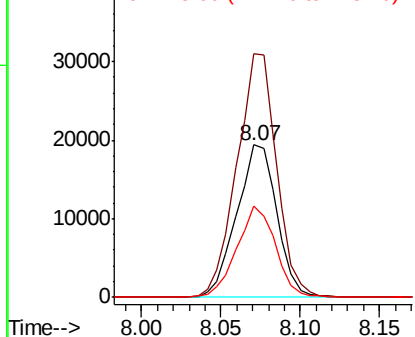
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG038360.D
Acq: 5 Dec 2018 14:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 33971
Ion Ratio Lower Upper
152 100
150 160.1 126.0 189.0
115 60.3 45.5 68.3



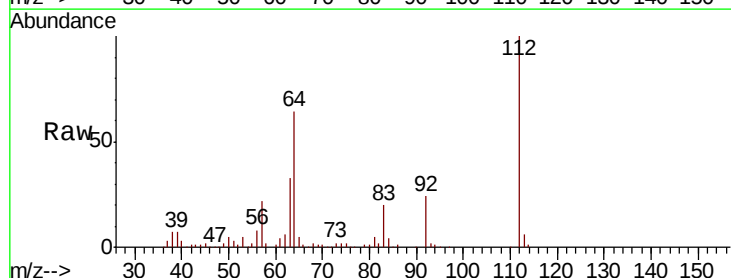
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



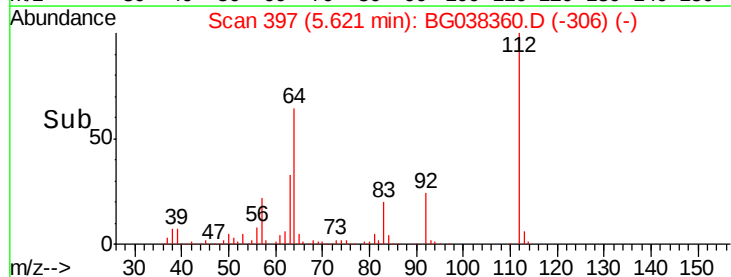
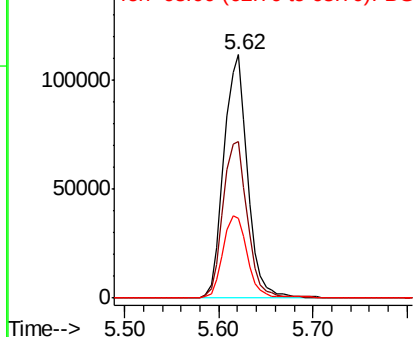
#5

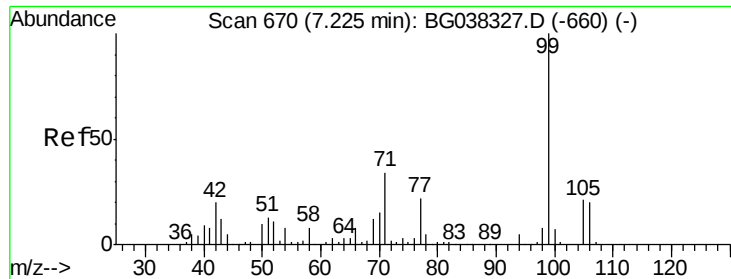
2-Fluorophenol
Concen: 102.771 ng
RT: 5.62 min Scan# 397
Delta R.T. 0.01 min
Lab File: BG038360.D
Acq: 5 Dec 2018 14:59

Tgt Ion:112 Resp: 197284
Ion Ratio Lower Upper
112 100
64 64.3 53.1 79.7
63 32.9 27.3 40.9



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





#7

Phenol-d6

Concen: 76.707 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038360.D

Acq: 5 Dec 2018 14:59

Instrument :

BNA_G

ClientSampleId :

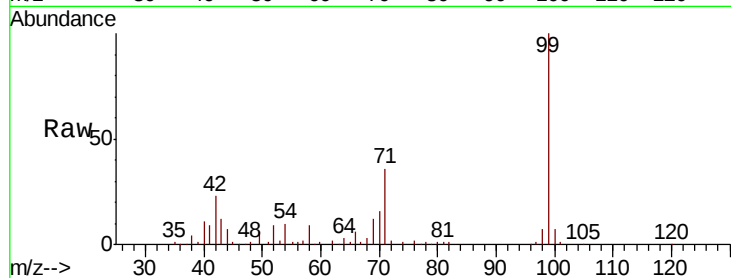
Tot Ion: 99 Resp: 212827

Ion Ratio Lower Upper

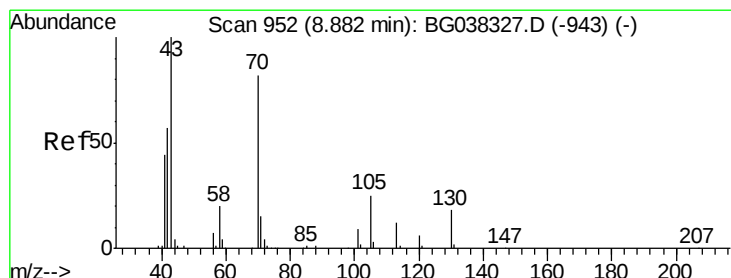
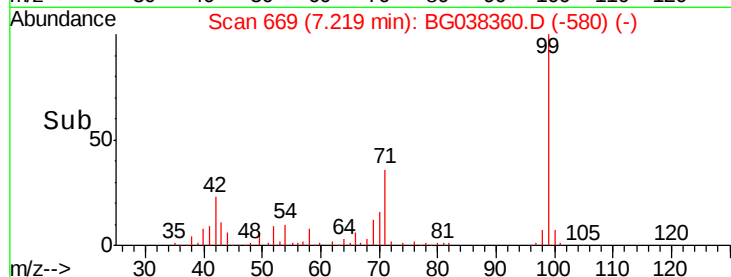
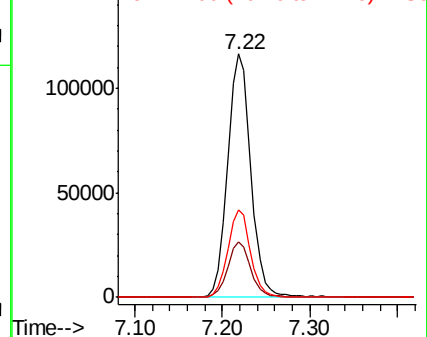
99 100

42 22.9 15.0 22.4#

71 35.9 25.5 38.3



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: 9.011 ng

RT: 9.25 min Scan# 1015

Delta R.T. 0.37 min

Lab File: BG038360.D

Acq: 5 Dec 2018 14:59

Tgt Ion: 70 Resp: 21580

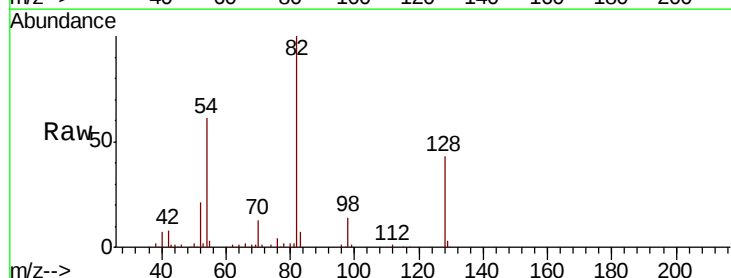
Ion Ratio Lower Upper

70 100

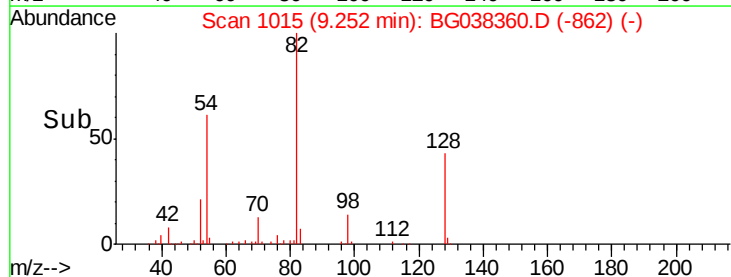
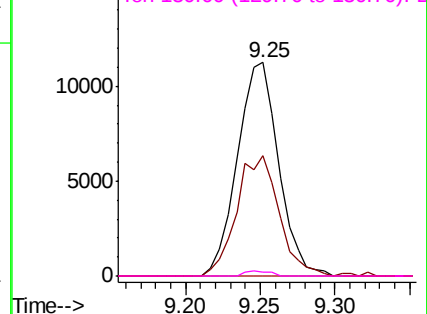
42 56.5 53.9 80.9

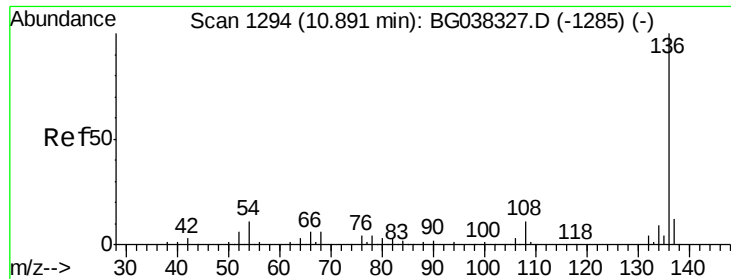
101 0.0 8.2 12.2#

130 2.1 18.2 27.4#



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

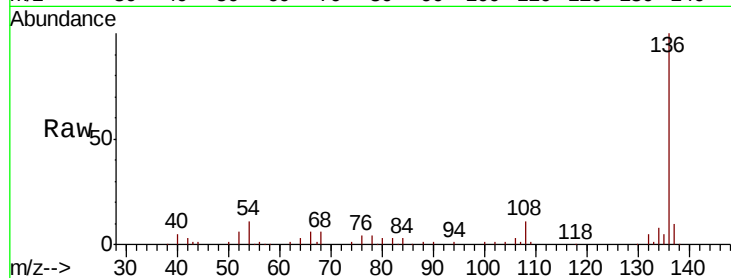




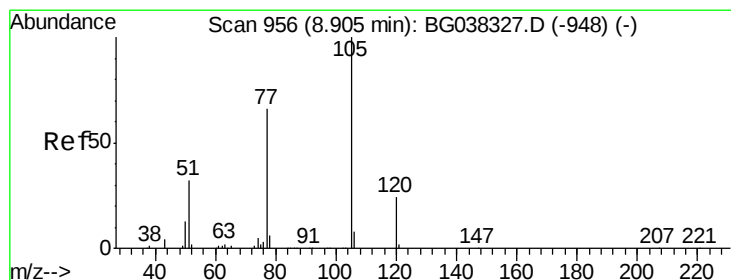
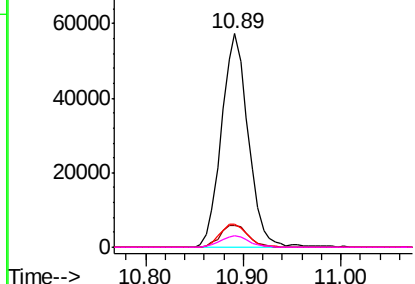
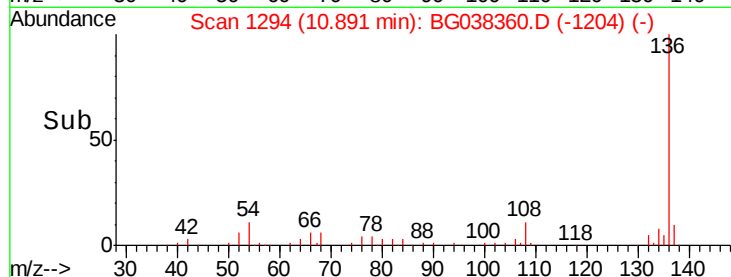
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BG038360.D
Acq: 5 Dec 2018 14:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	109465
Ion	Ratio	Lower Upper
136	100	
137	10.1	9.6 14.4
54	10.7	7.9 11.9
68	5.6	4.8 7.2

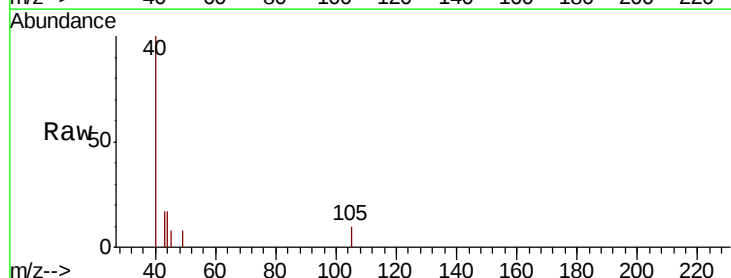


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

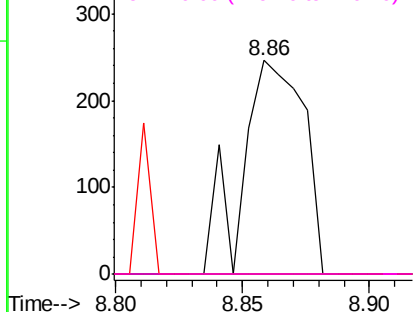
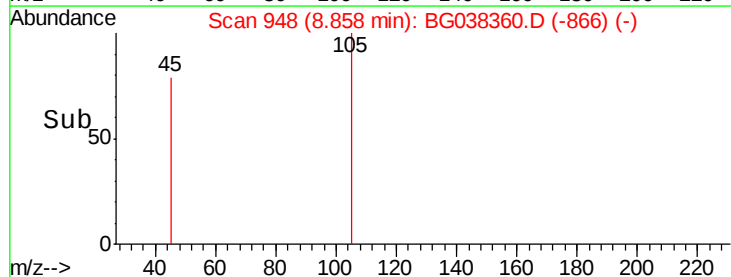


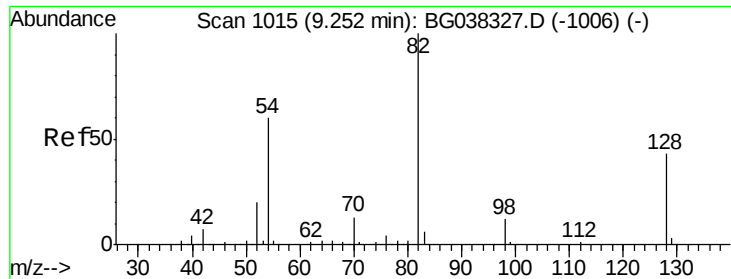
#22
Acetophenone
Concen: Below Cal
RT: 8.86 min Scan# 948
Delta R.T. -0.05 min
Lab File: BG038360.D
Acq: 5 Dec 2018 14:59

Tgt Ion:105	Resp:	423
Ion	Ratio	Lower Upper
105	100	
71	0.0	1.2 1.8#
51	0.0	25.0 37.6#
120	0.0	18.6 28.0#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

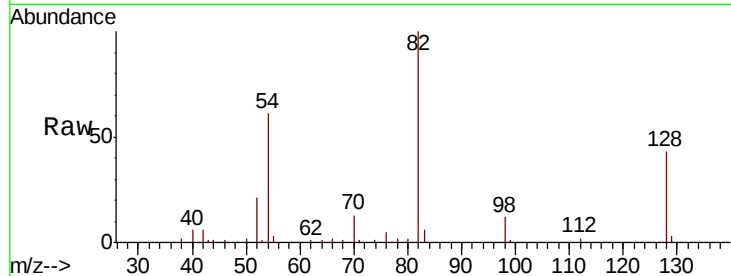




#23
 Nitrobenzene-d5
 Concen: 75.506 ng
 RT: 9.25 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BG038360.D
 Acq: 5 Dec 2018 14:59

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	82	Resp	166477
Ion Ratio	Lower	Upper	
82	100		
128	42.7	34.6	51.8
54	61.3	45.3	67.9

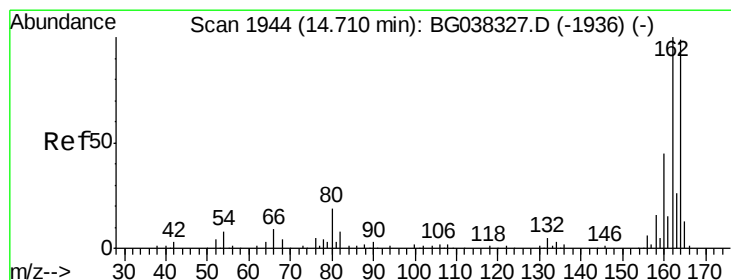
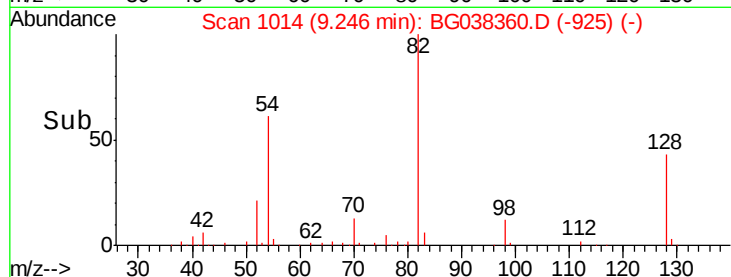
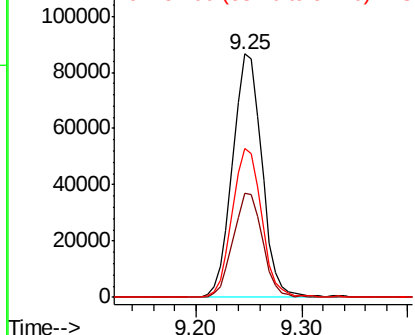


Abundance

Ion 82.00 (81.70 to 82.70): BGC

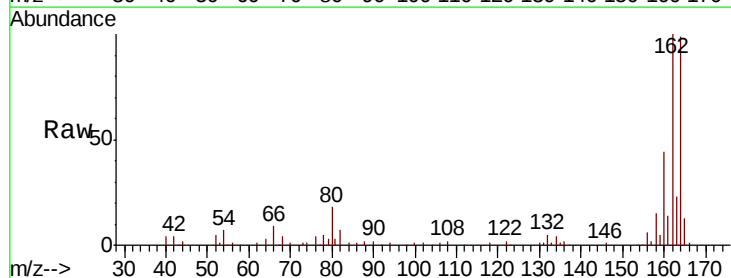
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. -0.01 min
 Lab File: BG038360.D
 Acq: 5 Dec 2018 14:59

Tgt Ion	164	Resp	72364
Ion Ratio	Lower	Upper	
164	100		
162	101.1	81.3	121.9
160	44.8	36.3	54.5

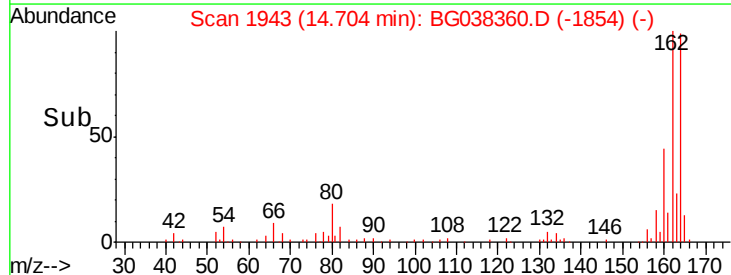
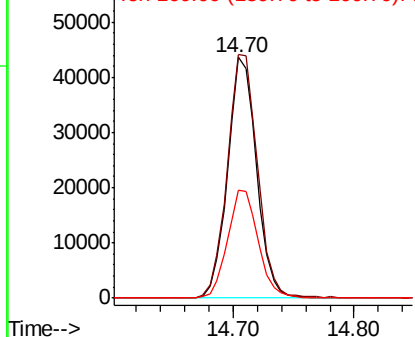


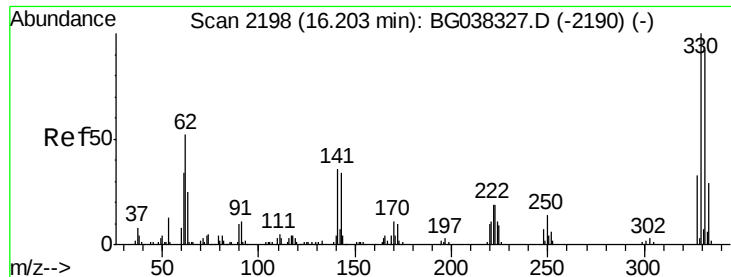
Abundance

Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

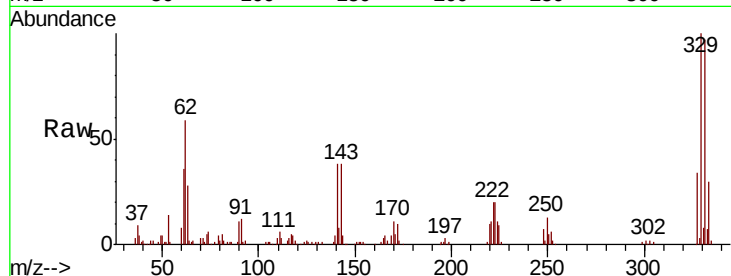




#42
 2,4,6-Tribromophenol
 Concen: 133.742 ng
 RT: 16.20 min Scan# 2197
 Delta R.T. -0.01 min
 Lab File: BG038360.D
 Acq: 5 Dec 2018 14:59

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	78.4	117.6
141	38.9	32.2	48.2

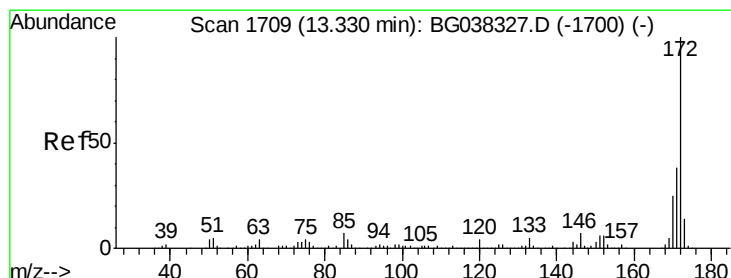
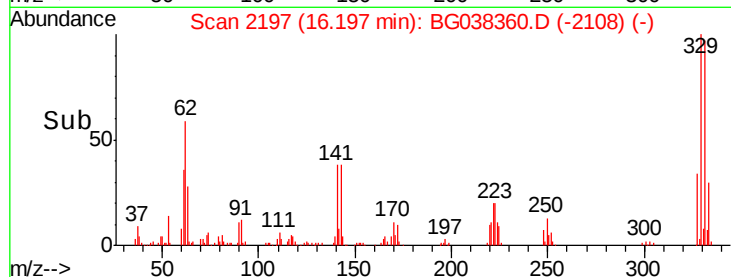
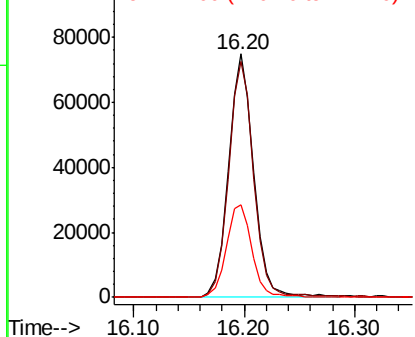


Abundance

Ion 329.80 (329.50 to 330.50): E

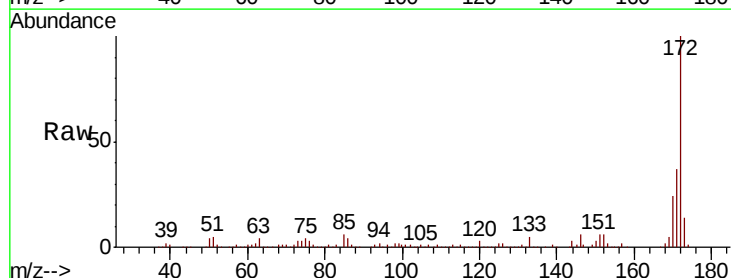
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 76.177 ng
 RT: 13.33 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: BG038360.D
 Acq: 5 Dec 2018 14:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	31.0	46.4
170	24.4	20.2	30.2

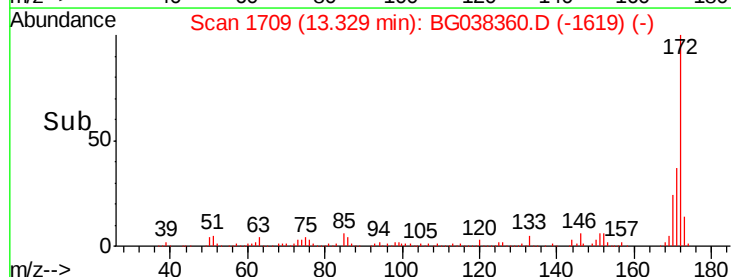
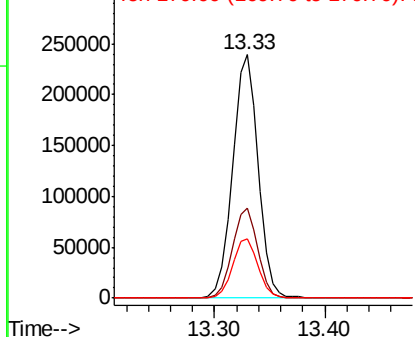


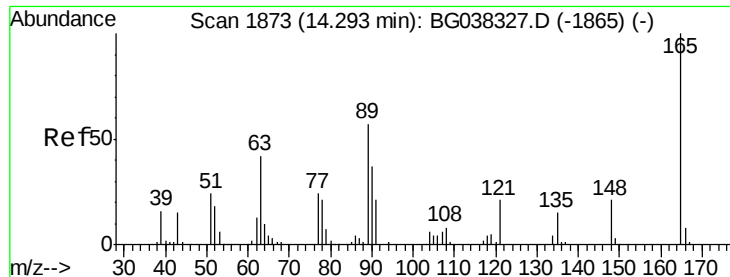
Abundance

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

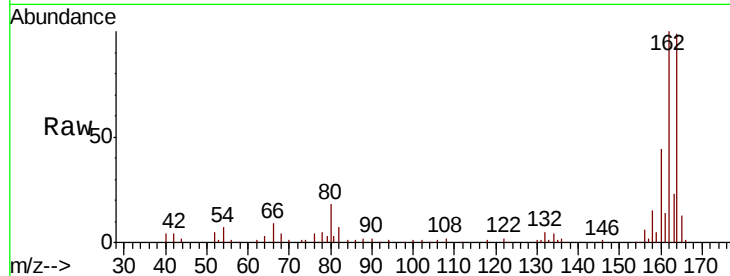




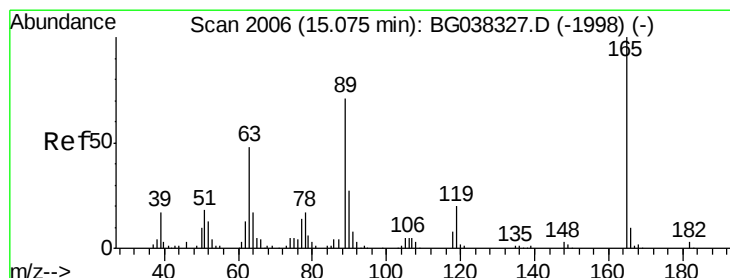
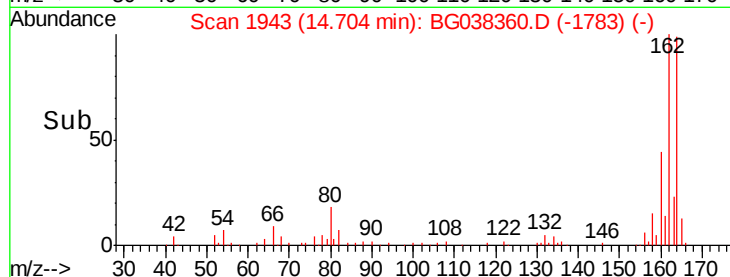
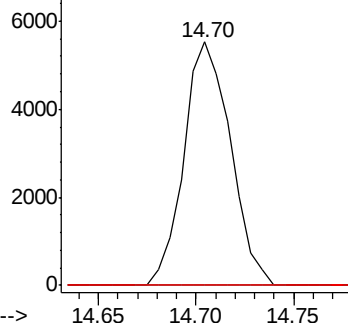
#51
 2,6-Dinitrotoluene
 Concen: 6.897 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. 0.41 min
 Lab File: BG038360.D
 Acq: 5 Dec 2018 14:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	0.0	45.8	68.6#

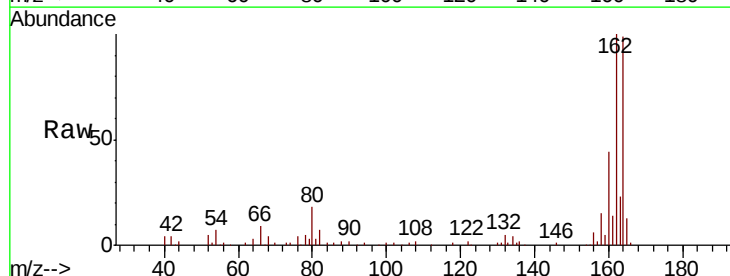


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

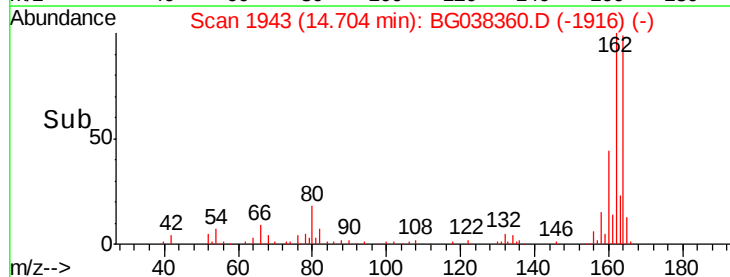
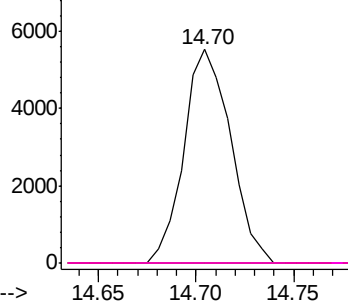


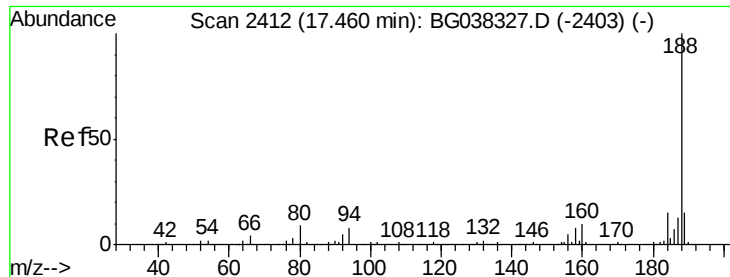
#57
 2,4-Dinitrotoluene
 Concen: 5.000 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. -0.37 min
 Lab File: BG038360.D
 Acq: 5 Dec 2018 14:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	0.0	57.2	85.8#
182	0.0	2.6	4.0#



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

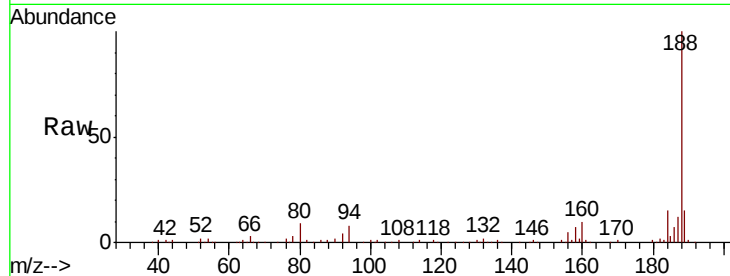




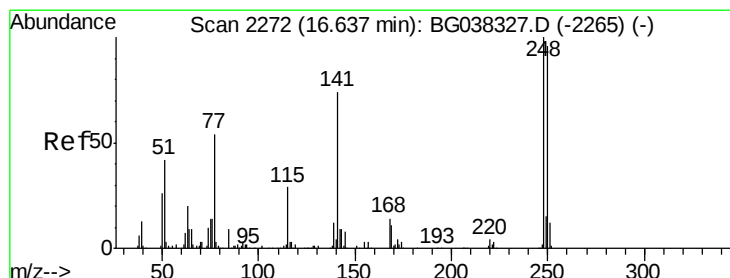
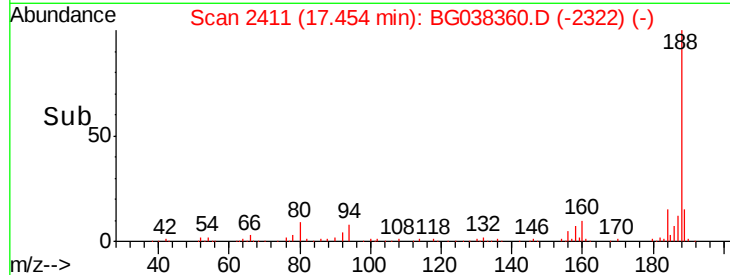
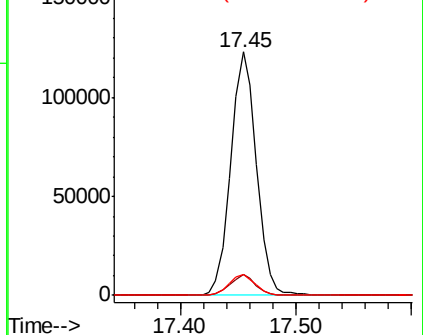
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2411
 Delta R.T. -0.01 min
 Lab File: BG038360.D
 Acq: 5 Dec 2018 14:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 189440
 Ion Ratio Lower Upper
 188 100
 94 8.4 7.2 10.8
 80 8.6 7.7 11.5

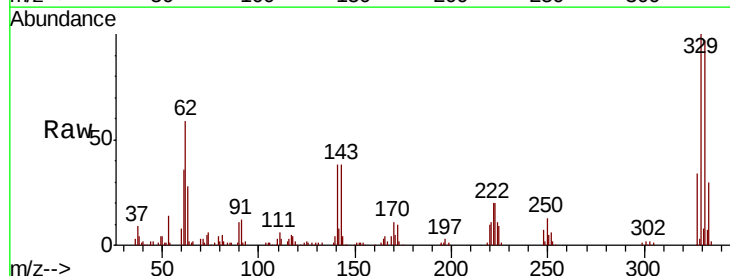


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

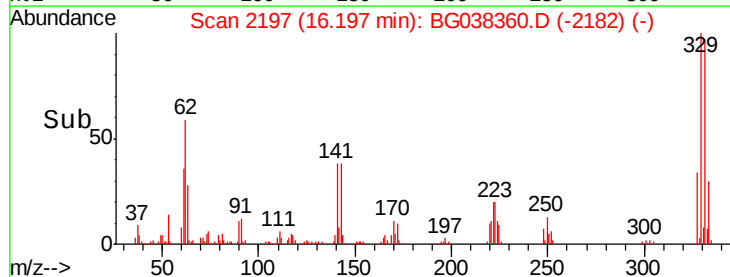
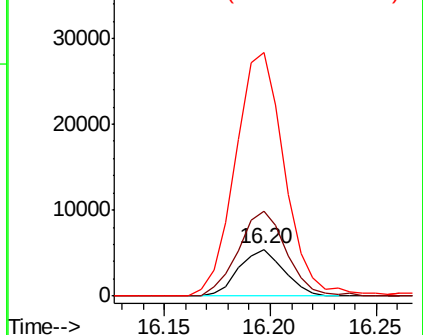


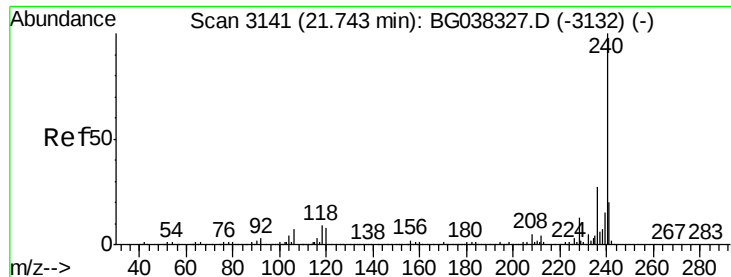
#67
 4-Bromophenyl-phenylether
 Concen: 3.928 ng
 RT: 16.20 min Scan# 2197
 Delta R.T. -0.44 min
 Lab File: BG038360.D
 Acq: 5 Dec 2018 14:59

Tgt Ion:248 Resp: 8036
 Ion Ratio Lower Upper
 248 100
 250 188.6 77.0 115.6#
 141 402.2 55.5 83.3#



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

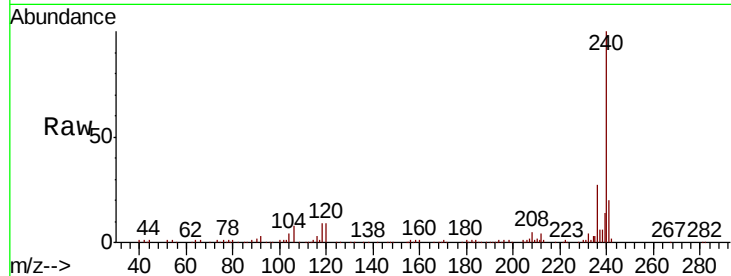




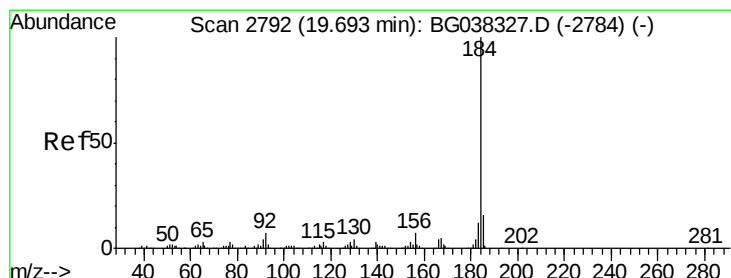
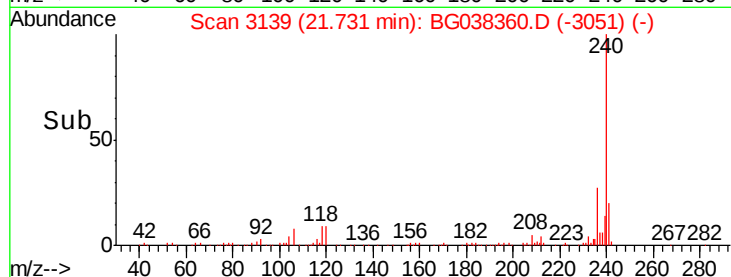
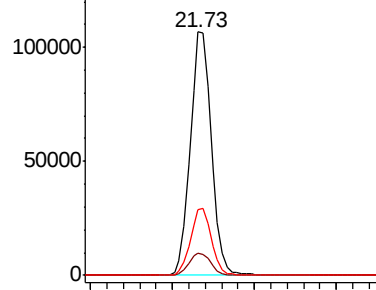
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BG038360.D
Acq: 5 Dec 2018 14:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:240 Resp: 192156
Ion Ratio Lower Upper
240 100
120 9.0 8.1 12.1
236 27.0 21.4 32.0

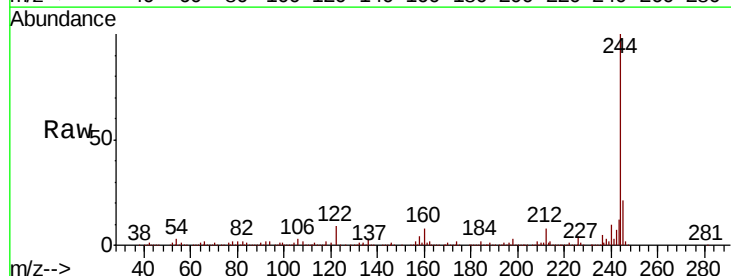


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

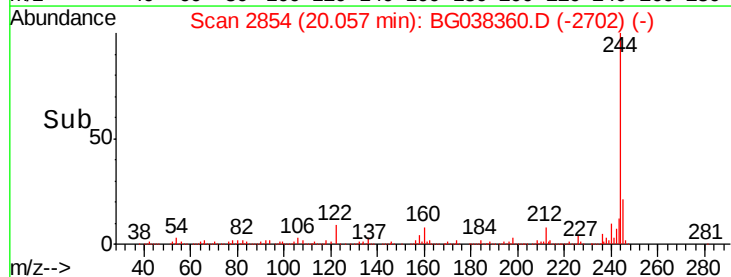
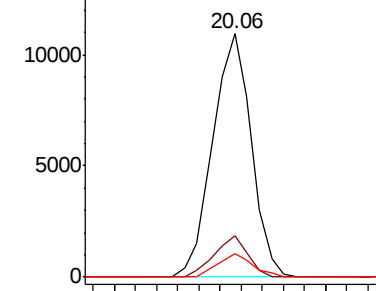


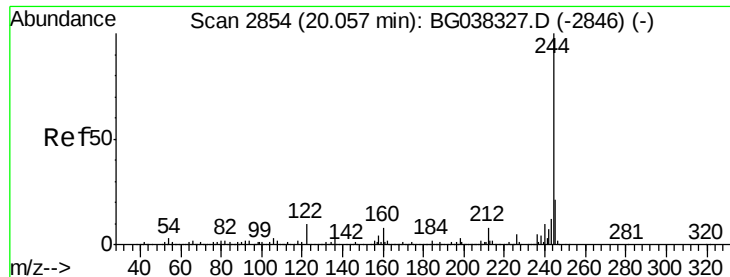
#77
Benzidine
Concen: 2.135 ng
RT: 20.06 min Scan# 2854
Delta R.T. 0.36 min
Lab File: BG038360.D
Acq: 5 Dec 2018 14:59

Tgt Ion:184 Resp: 13844
Ion Ratio Lower Upper
184 100
185 17.0 12.6 18.8
183 9.7 10.2 15.2#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 86.542 ng

RT: 20.06 min Scan# 2854

Delta R.T. -0.00 min

Lab File: BG038360.D

Acq: 5 Dec 2018 14:59

Instrument :

BNA_G

ClientSampleId :

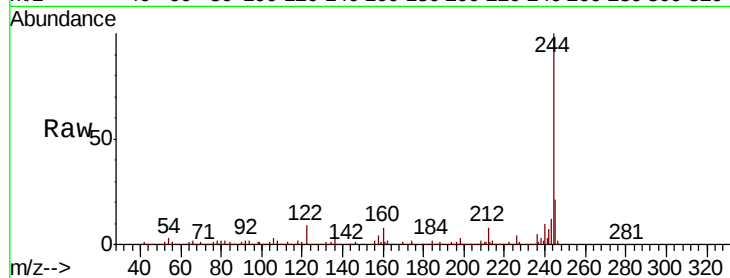
Tot Ion:244 Resp: 776261

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

122 8.9 9.0 13.4#

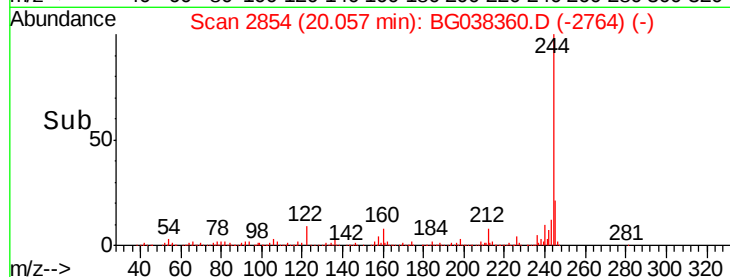


Abundance Ion 244.00 (243.70 to 244.70): E

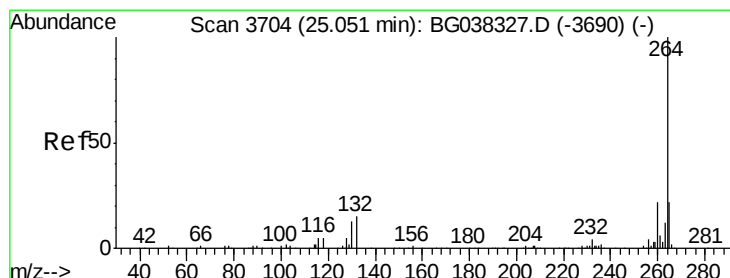
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

20.06



Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.05 min Scan# 3703

Delta R.T. -0.01 min

Lab File: BG038360.D

Acq: 5 Dec 2018 14:59

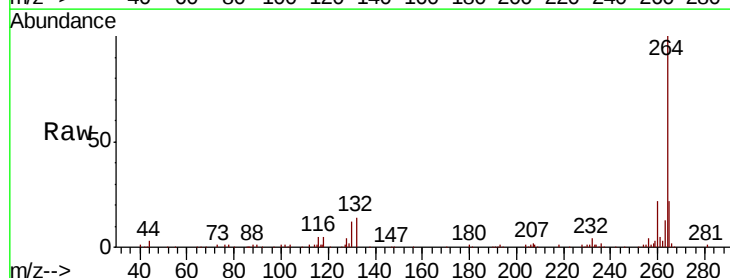
Tgt Ion:264 Resp: 199025

Ion Ratio Lower Upper

264 100

260 21.9 18.2 27.4

265 22.5 17.9 26.9

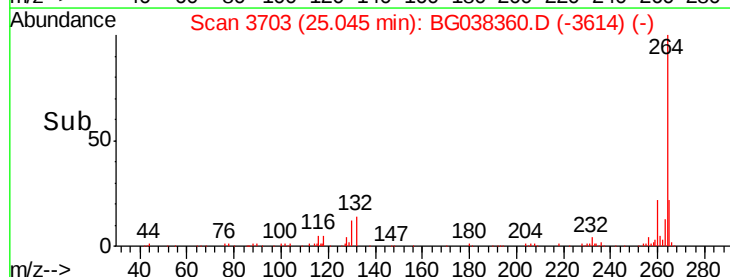


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

25.05



Time-->