

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG113018\
 Data File : BG038266.D
 Acq On : 30 Nov 2018 20:39
 Operator : JU/SJ
 Sample : J5762-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BU-02-112918

Quant Time: Dec 01 03:31:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

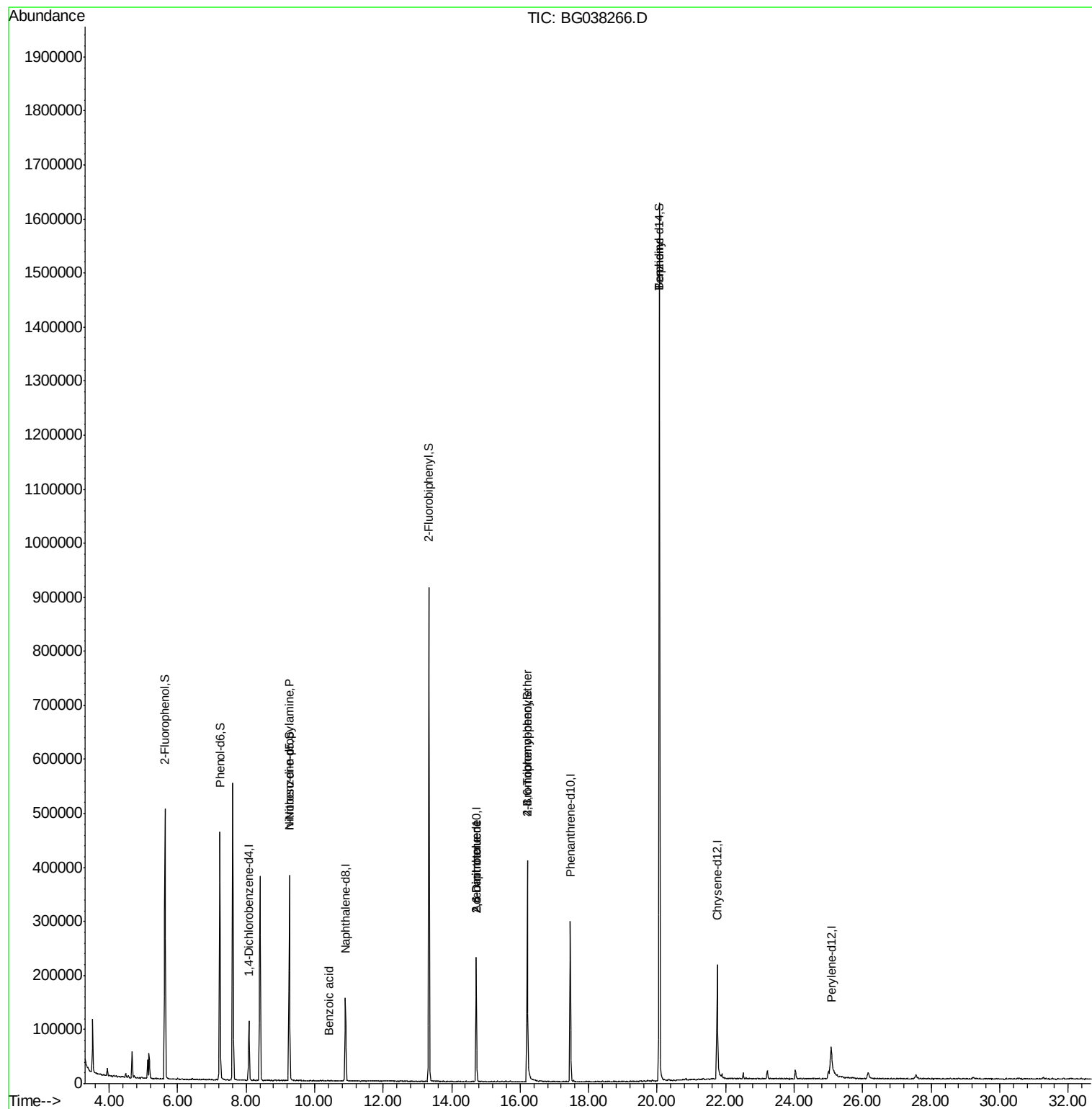
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	31139	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	137203	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	84704	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	191862	20.00	ng	0.00
76) Chrysene-d12	21.75	240	179111	20.00	ng	0.00
87) Perylene-d12	25.08	264	113012	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	224529	124.49	ng	0.00
7) Phenol-d6	7.23	99	284404	110.47	ng	0.00
23) Nitrobenzene-d5	9.26	82	232001	90.52	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	86174	89.20	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	494968	85.13	ng	0.00
79) Terphenyl-d14	20.07	244	837996	110.09	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	30092	16.154	ng	# 70
32) Benzoic acid	10.42	122	56	12.366	ng	# 1
51) 2,6-Dinitrotoluene	14.71	165	10546	6.939	ng	# 23
57) 2,4-Dinitrotoluene	14.71	165	10546	5.100	ng	# 23
67) 4-Bromophenyl-phenylether	16.21	248	6106	2.900	ng	# 1
77) Benzidine	20.07	184	14374	2.287	ng	98

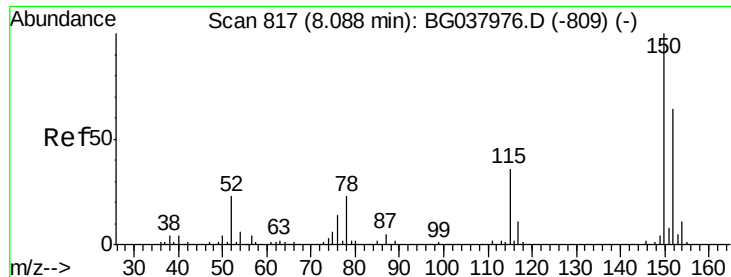
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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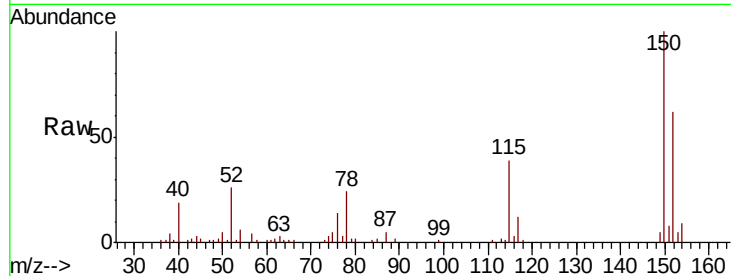


#1

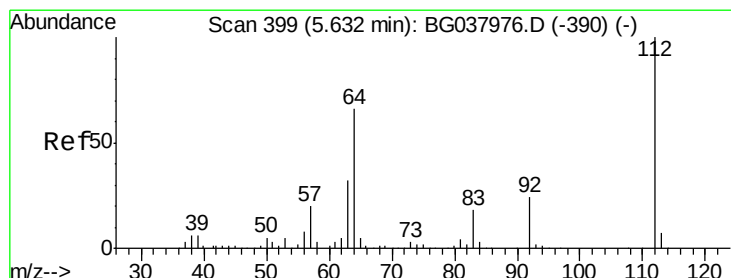
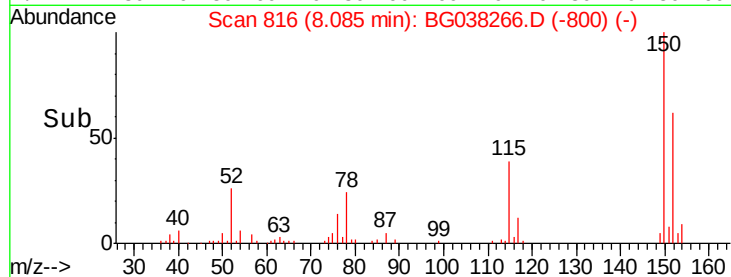
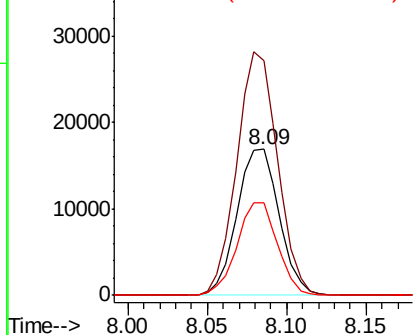
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 816
Delta R.T. -0.00 min
Lab File: BG038266.D
Acq: 30 Nov 2018 20:39

Instrument :
BNA_G
ClientSampleId :
BU-02-112918

Tot Ion:152 Resp: 31139
Ion Ratio Lower Upper
152 100
150 161.0 126.0 189.0
115 63.2 45.5 68.3



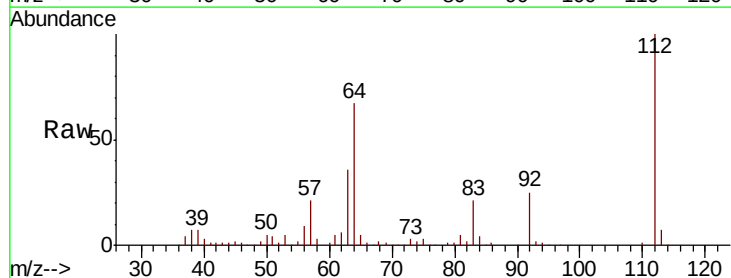
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



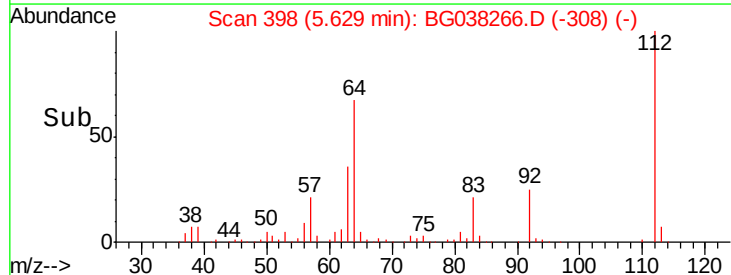
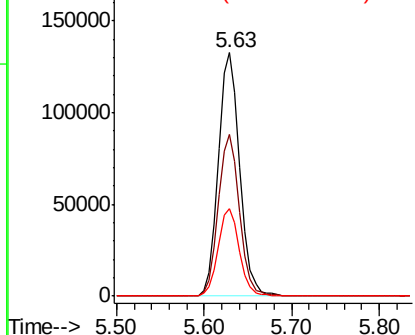
#5

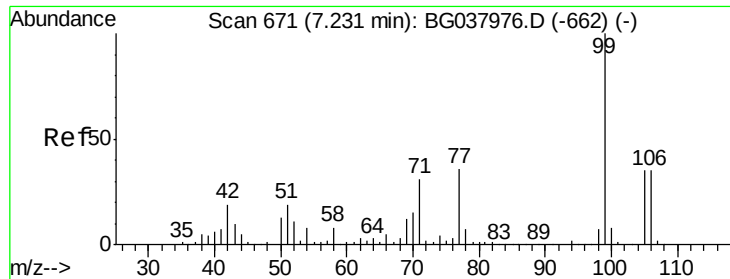
2-Fluorophenol
Concen: 124.495 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.00 min
Lab File: BG038266.D
Acq: 30 Nov 2018 20:39

Tgt Ion:112 Resp: 224529
Ion Ratio Lower Upper
112 100
64 66.5 53.1 79.7
63 36.1 27.3 40.9



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: 110.473 ng

RT: 7.23 min Scan# 670

Delta R.T. -0.00 min

Lab File: BG038266.D

Acq: 30 Nov 2018 20:39

Instrument :

BNA_G

ClientSampleId :

BU-02-112918

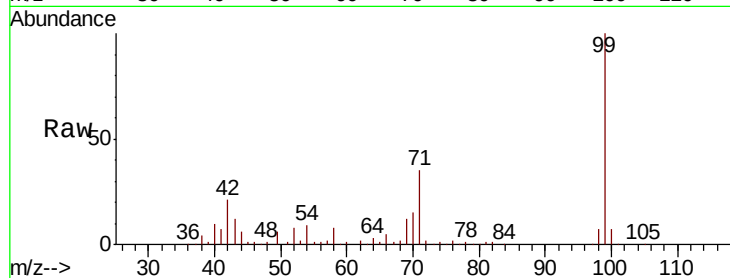
Tot Ion: 99 Resp: 284404

Ion Ratio Lower Upper

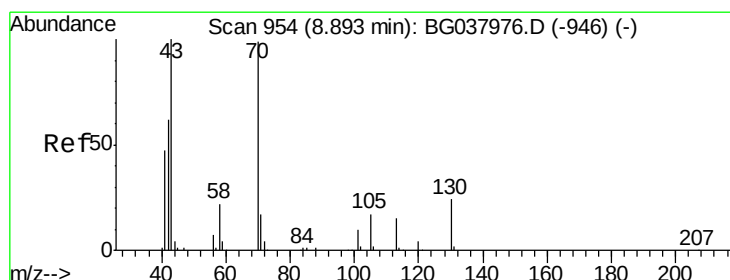
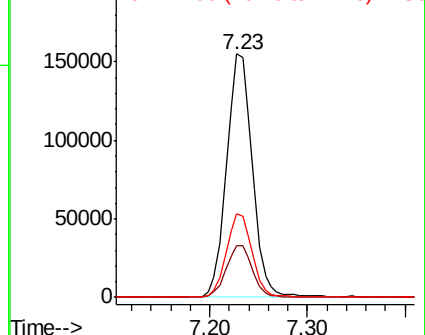
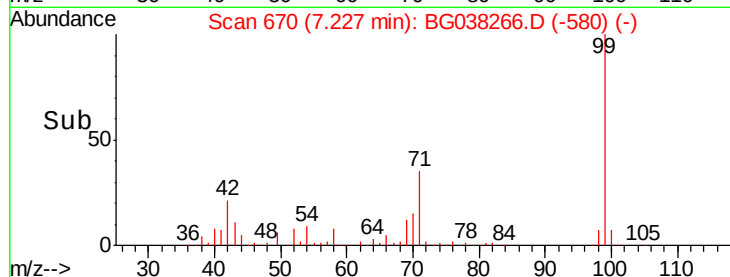
99 100

42 21.0 15.0 22.4

71 34.6 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: 16.154 ng

RT: 9.25 min Scan# 1015

Delta R.T. 0.36 min

Lab File: BG038266.D

Acq: 30 Nov 2018 20:39

Tgt Ion: 70 Resp: 30092

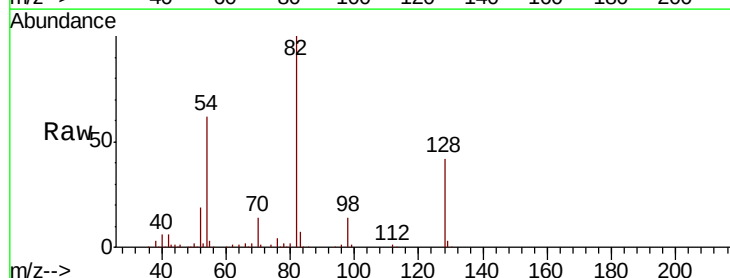
Ion Ratio Lower Upper

70 100

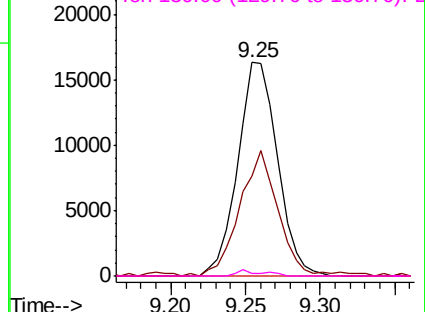
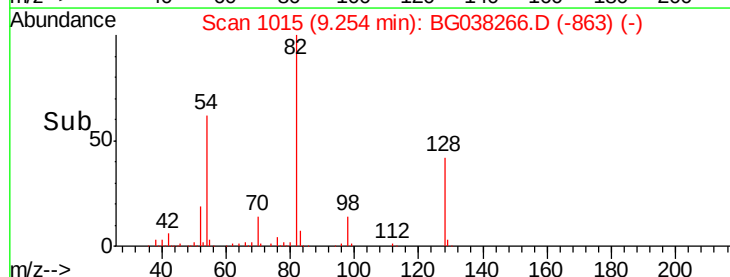
42 46.6 53.9 80.9#

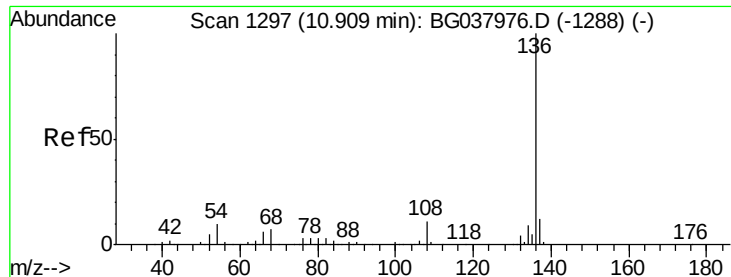
101 0.0 8.2 12.2#

130 1.3 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

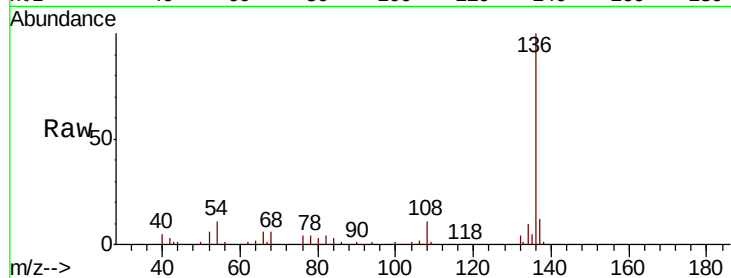




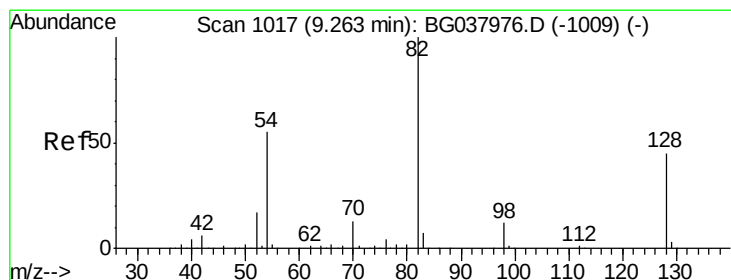
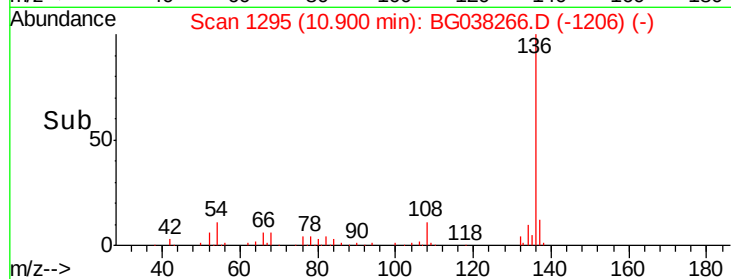
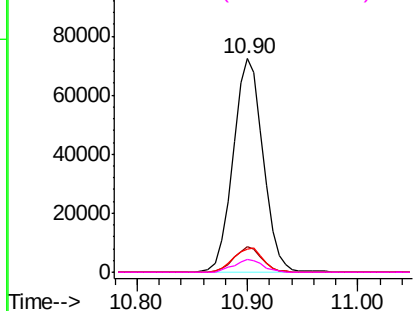
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BG038266.D
Acq: 30 Nov 2018 20:39

Instrument :
BNA_G
ClientSampleId :
BU-02-112918

Tot Ion:136	Resp:	137203
Ion	Ratio	Lower Upper
136	100	
137	12.3	9.6 14.4
54	10.8	7.9 11.9
68	6.3	4.8 7.2

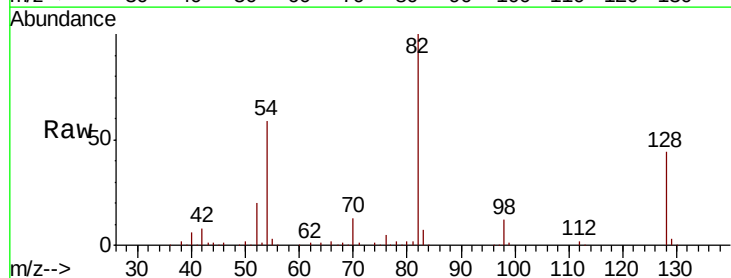


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

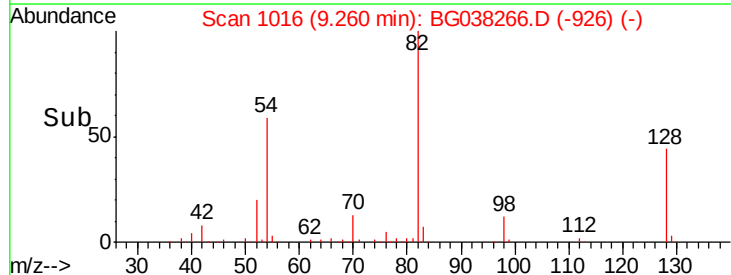
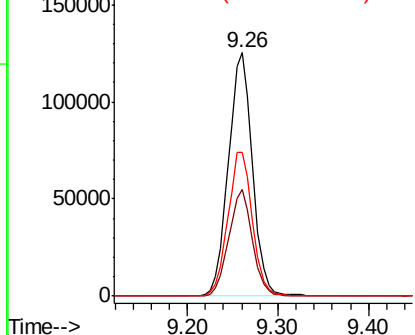


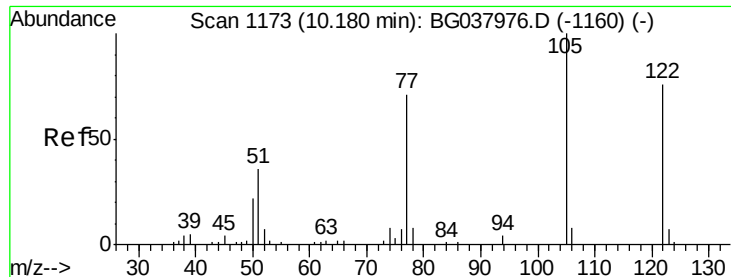
#23
Nitrobenzene-d5
Concen: 90.516 ng
RT: 9.26 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG038266.D
Acq: 30 Nov 2018 20:39

Tgt Ion: 82	Resp:	232001
Ion	Ratio	Lower Upper
82	100	
128	44.0	34.6 51.8
54	59.3	45.3 67.9



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





#32

Benzoic acid

Concen: 12.366 ng

RT: 10.42 min Scan# 1213

Delta R.T. 0.24 min

Lab File: BG038266.D

Acq: 30 Nov 2018 20:39

Instrument :

BNA_G

ClientSampleId :

BU-02-112918

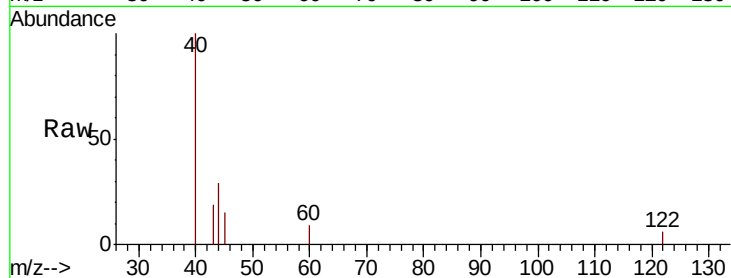
Tot Ion:122 Resp: 56

Ion Ratio Lower Upper

122 100

105 0.0 106.7 146.7#

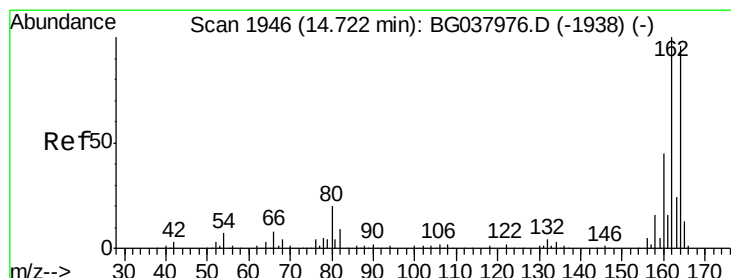
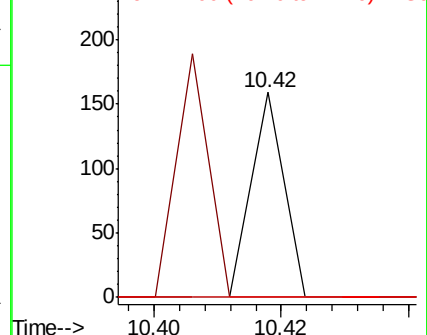
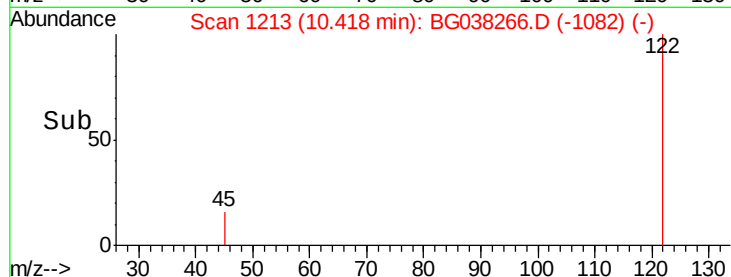
77 0.0 72.2 112.2#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.71 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG038266.D

Acq: 30 Nov 2018 20:39

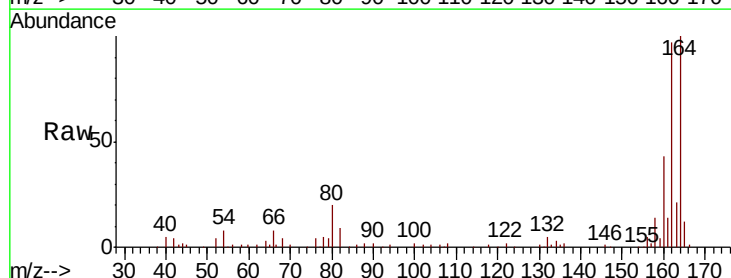
Tgt Ion:164 Resp: 84704

Ion Ratio Lower Upper

164 100

162 97.4 81.3 121.9

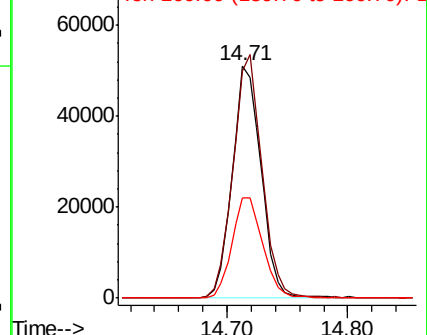
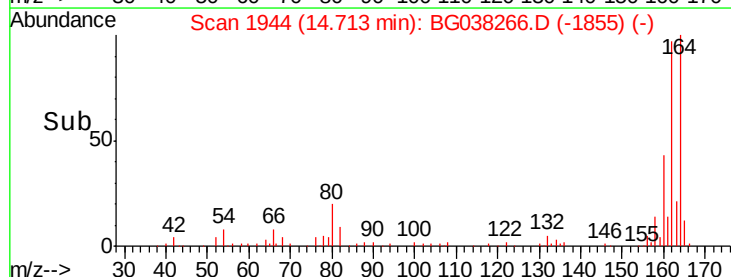
160 43.1 36.3 54.5

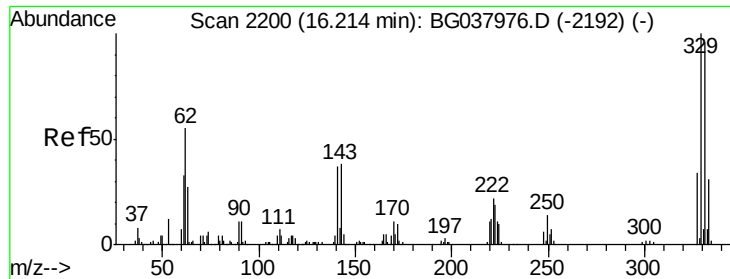


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 89.204 ng

RT: 16.21 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BG038266.D

Acq: 30 Nov 2018 20:39

Instrument :

BNA_G

ClientSampleId :

BU-02-112918

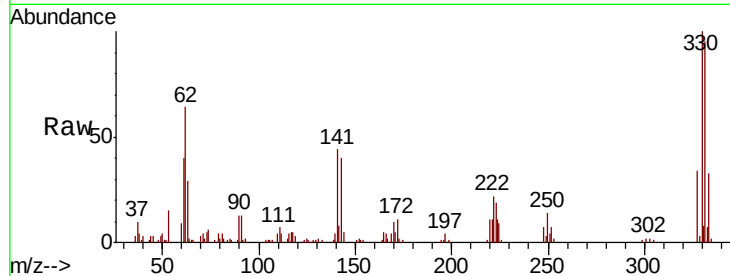
Tot Ion:330 Resp: 86174

Ion Ratio Lower Upper

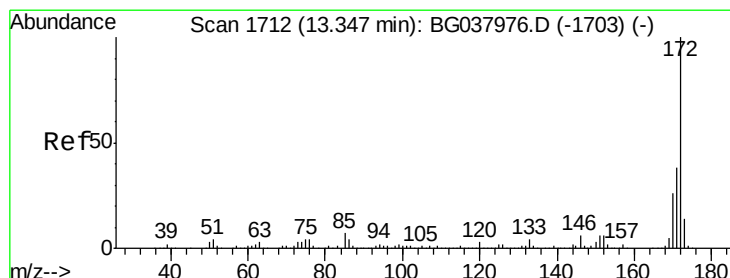
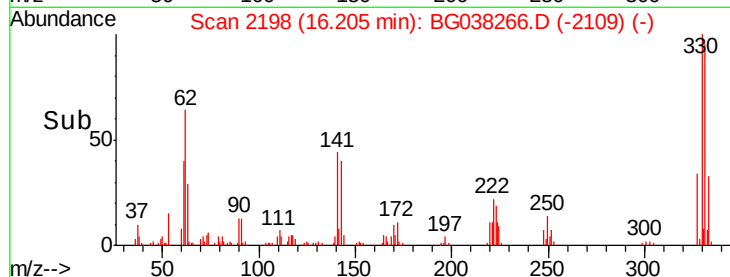
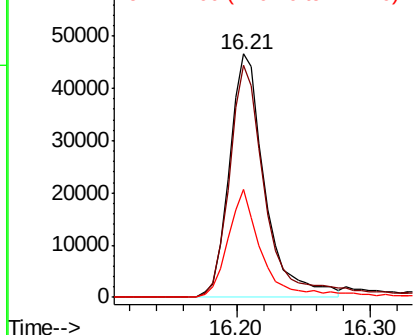
330 100

332 98.9 78.4 117.6

141 42.3 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: 85.131 ng

RT: 13.34 min Scan# 1710

Delta R.T. -0.01 min

Lab File: BG038266.D

Acq: 30 Nov 2018 20:39

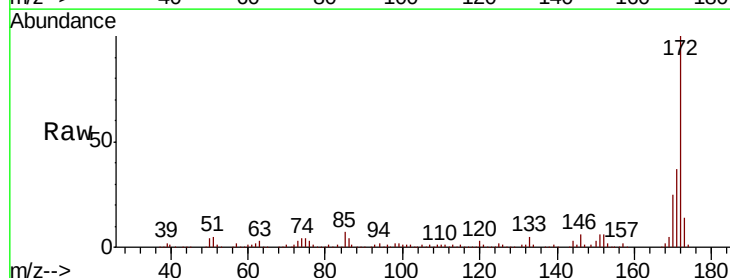
Tgt Ion:172 Resp: 494968

Ion Ratio Lower Upper

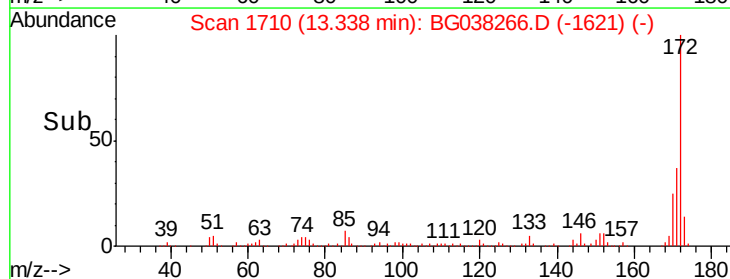
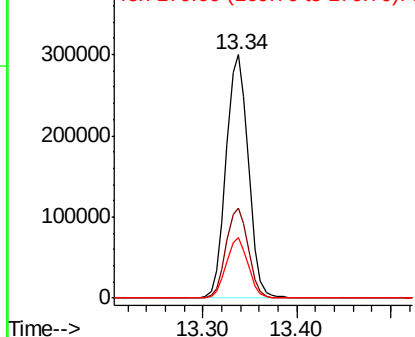
172 100

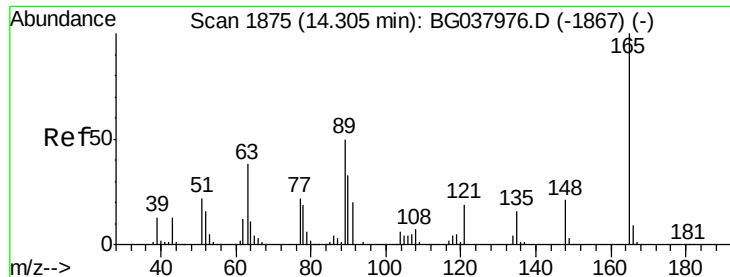
171 37.2 31.0 46.4

170 24.6 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

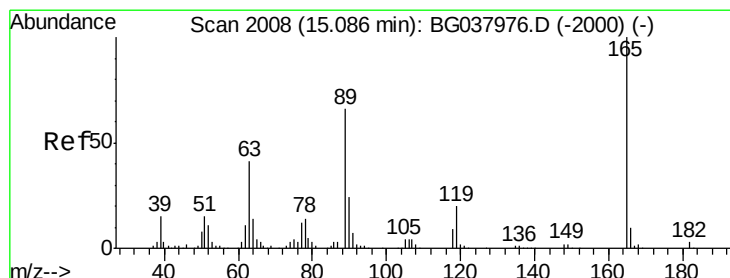
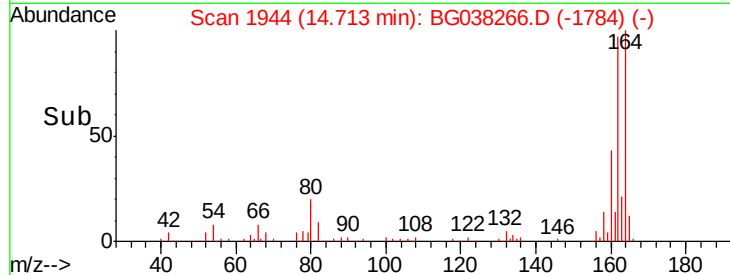
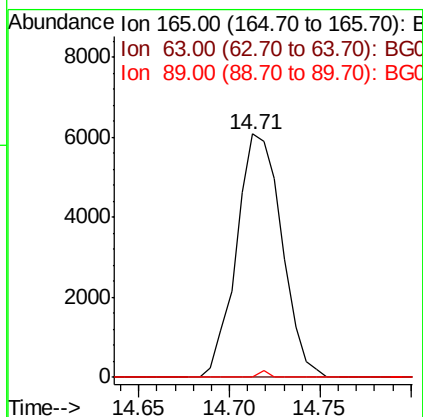
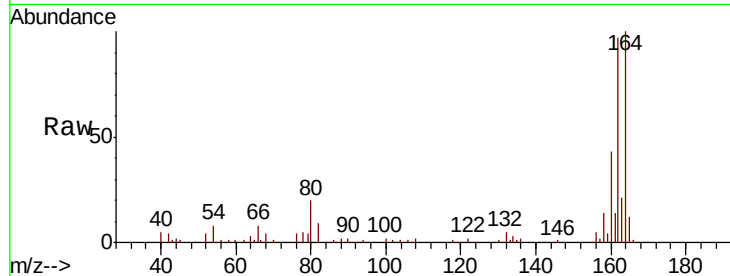




#51
 2,6-Dinitrotoluene
 Concen: 6.939 ng
 RT: 14.71 min Scan# 1944
 Delta R.T. 0.41 min
 Lab File: BG038266.D
 Acq: 30 Nov 2018 20:39

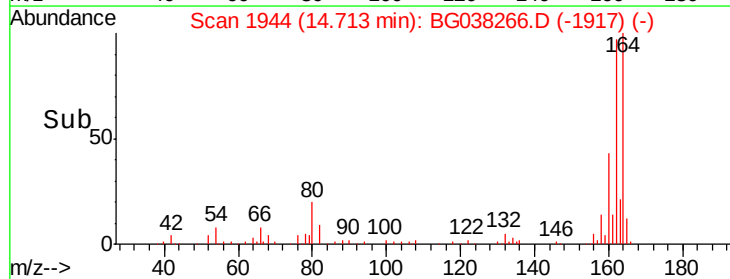
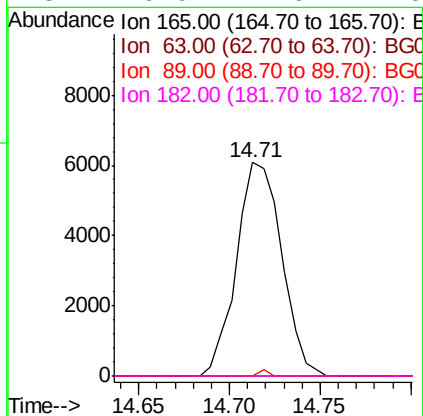
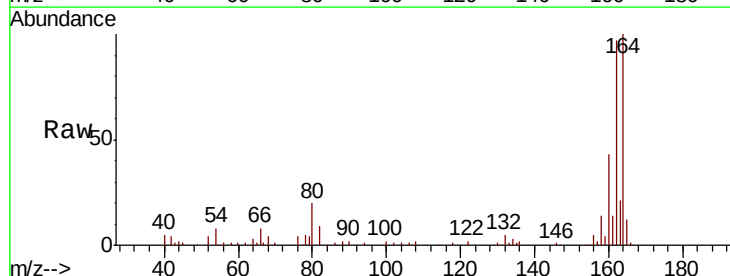
Instrument :
 BNA_G
 ClientSampleId :
 BU-02-112918

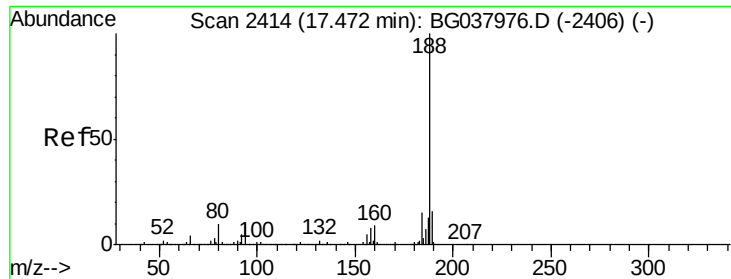
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	0.0	45.8	68.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.100 ng
 RT: 14.71 min Scan# 1944
 Delta R.T. -0.37 min
 Lab File: BG038266.D
 Acq: 30 Nov 2018 20:39

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#

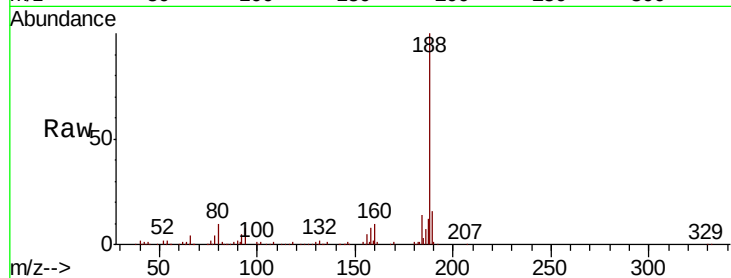




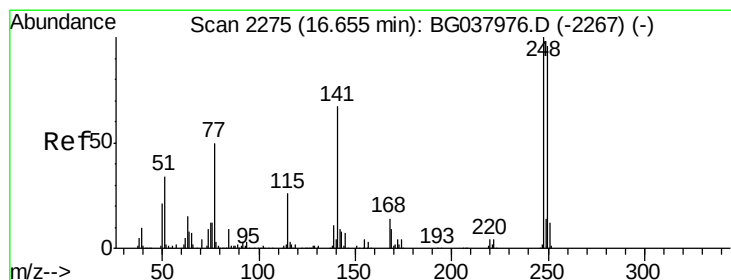
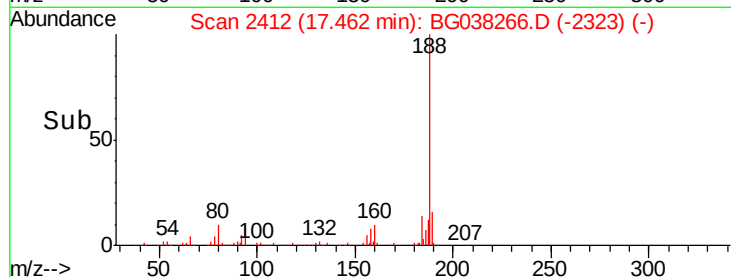
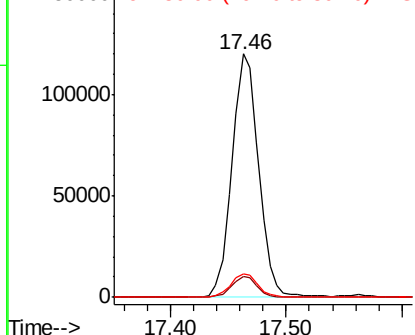
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.46 min Scan# 2412
 Delta R.T. -0.01 min
 Lab File: BG038266.D
 Acq: 30 Nov 2018 20:39

Instrument :
 BNA_G
 ClientSampleId :
 BU-02-112918

Tot Ion:188 Resp: 191862
 Ion Ratio Lower Upper
 188 100
 94 8.4 7.2 10.8
 80 9.7 7.7 11.5

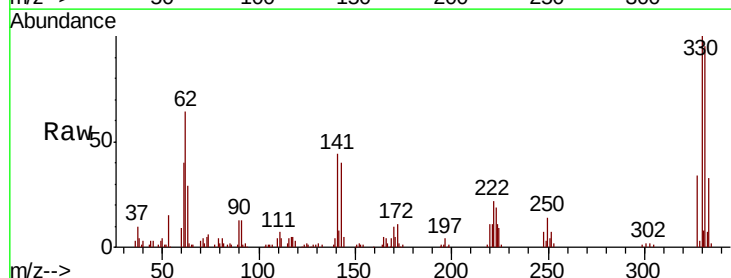


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

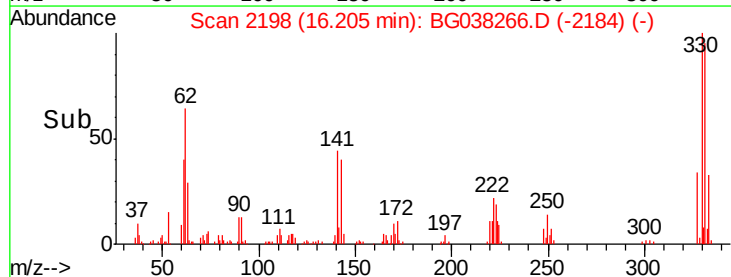
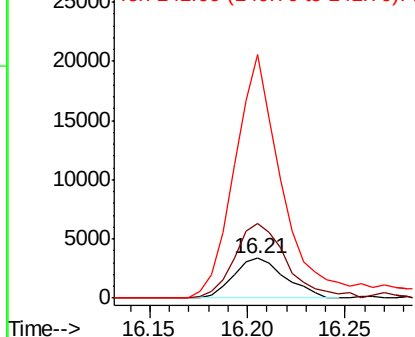


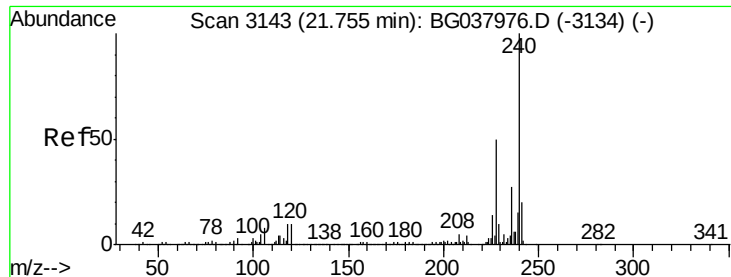
#67
 4-Bromophenyl-phenylether
 Concen: 2.900 ng
 RT: 16.21 min Scan# 2198
 Delta R.T. -0.45 min
 Lab File: BG038266.D
 Acq: 30 Nov 2018 20:39

Tgt Ion:248 Resp: 6106
 Ion Ratio Lower Upper
 248 100
 250 170.6 77.0 115.6#
 141 436.0 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

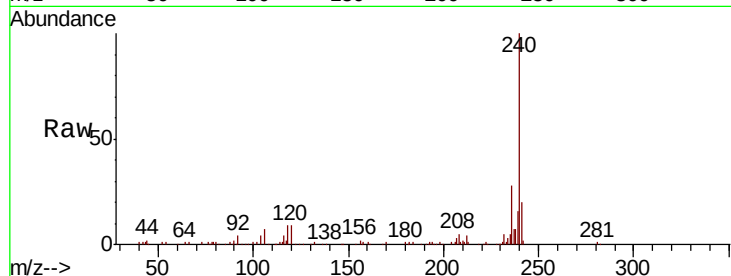




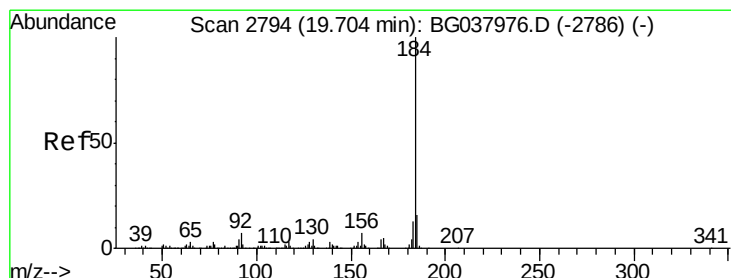
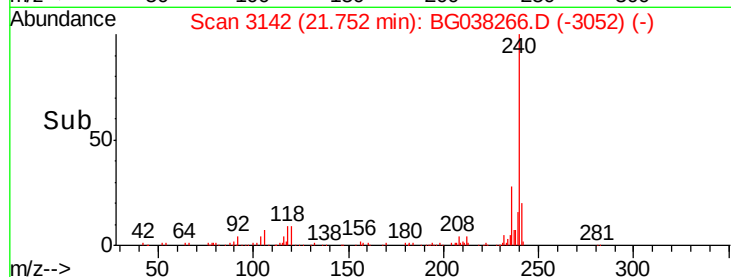
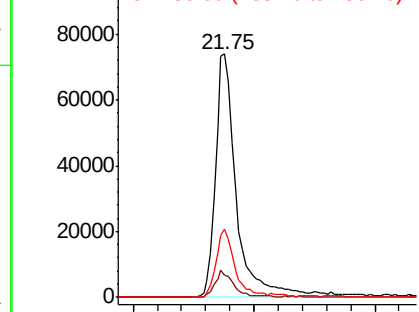
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG038266.D
Acq: 30 Nov 2018 20:39

Instrument :
BNA_G
ClientSampleId :
BU-02-112918

Tot Ion:240 Resp: 179111
Ion Ratio Lower Upper
240 100
120 9.3 8.1 12.1
236 27.9 21.4 32.0

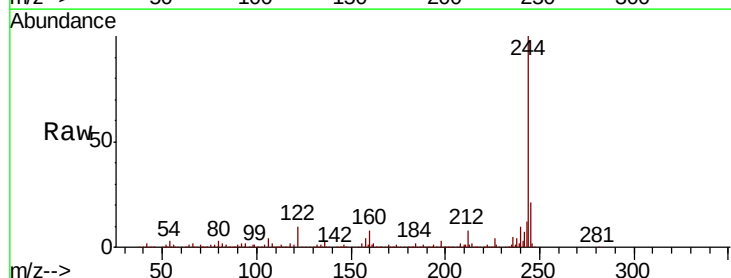


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

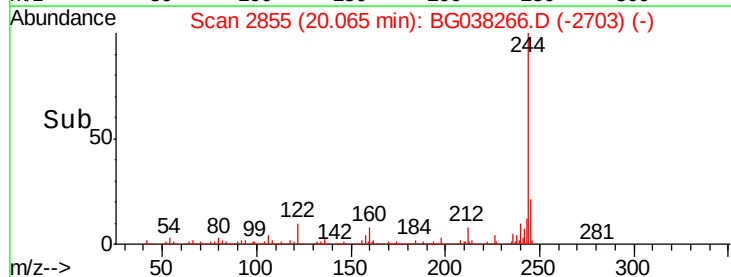
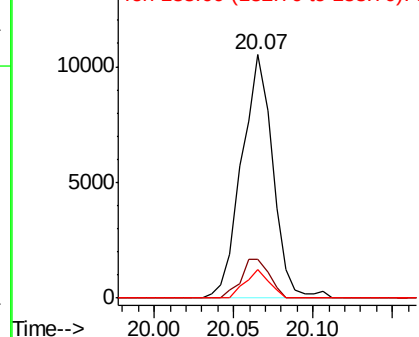


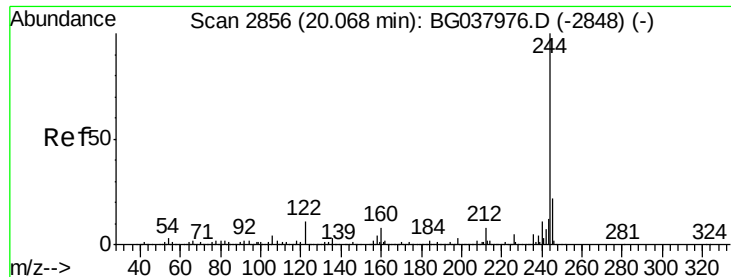
#77
Benzidine
Concen: 2.287 ng
RT: 20.07 min Scan# 2855
Delta R.T. 0.36 min
Lab File: BG038266.D
Acq: 30 Nov 2018 20:39

Tgt Ion:184 Resp: 14374
Ion Ratio Lower Upper
184 100
185 15.8 12.6 18.8
183 11.5 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: 110.089 ng

RT: 20.07 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BG038266.D

Acq: 30 Nov 2018 20:39

Instrument :

BNA_G

ClientSampleId :

BU-02-112918

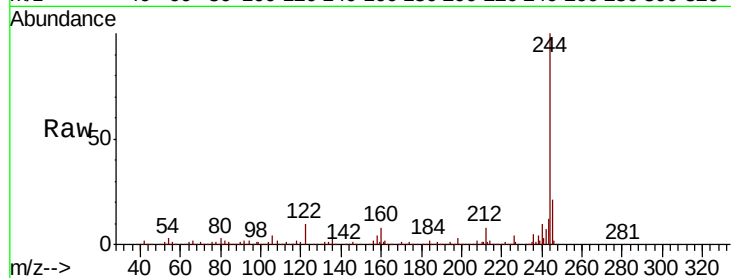
Tot Ion:244 Resp: 837996

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

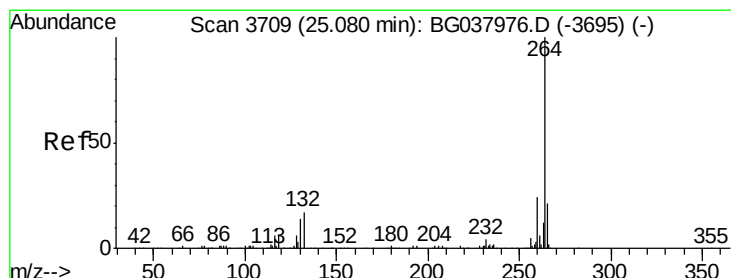
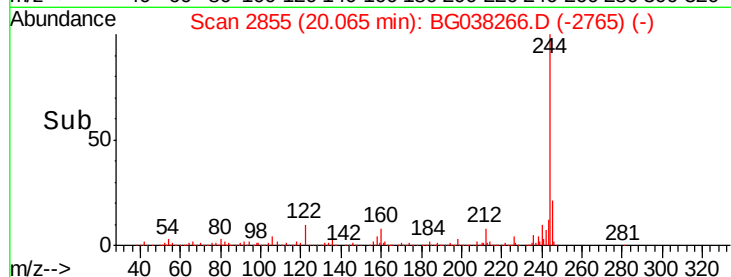
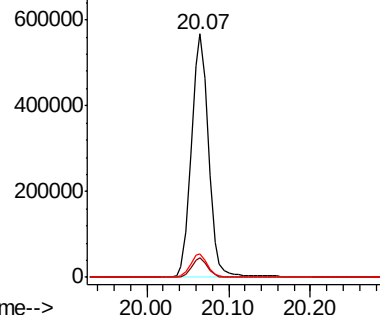
122 9.5 9.0 13.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.08 min Scan# 3709

Delta R.T. 0.00 min

Lab File: BG038266.D

Acq: 30 Nov 2018 20:39

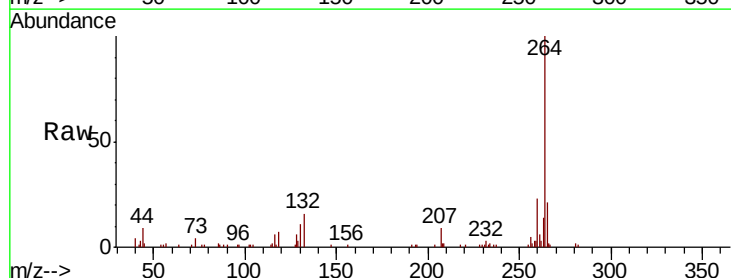
Tgt Ion:264 Resp: 113012

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.4

265 21.5 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

