

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG120418\
 Data File : BG038344.D
 Acq On : 5 Dec 2018 3:50
 Operator : JU/SJ
 Sample : J6003-21
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NON-UST-05A

Quant Time: Dec 05 06:03:22 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

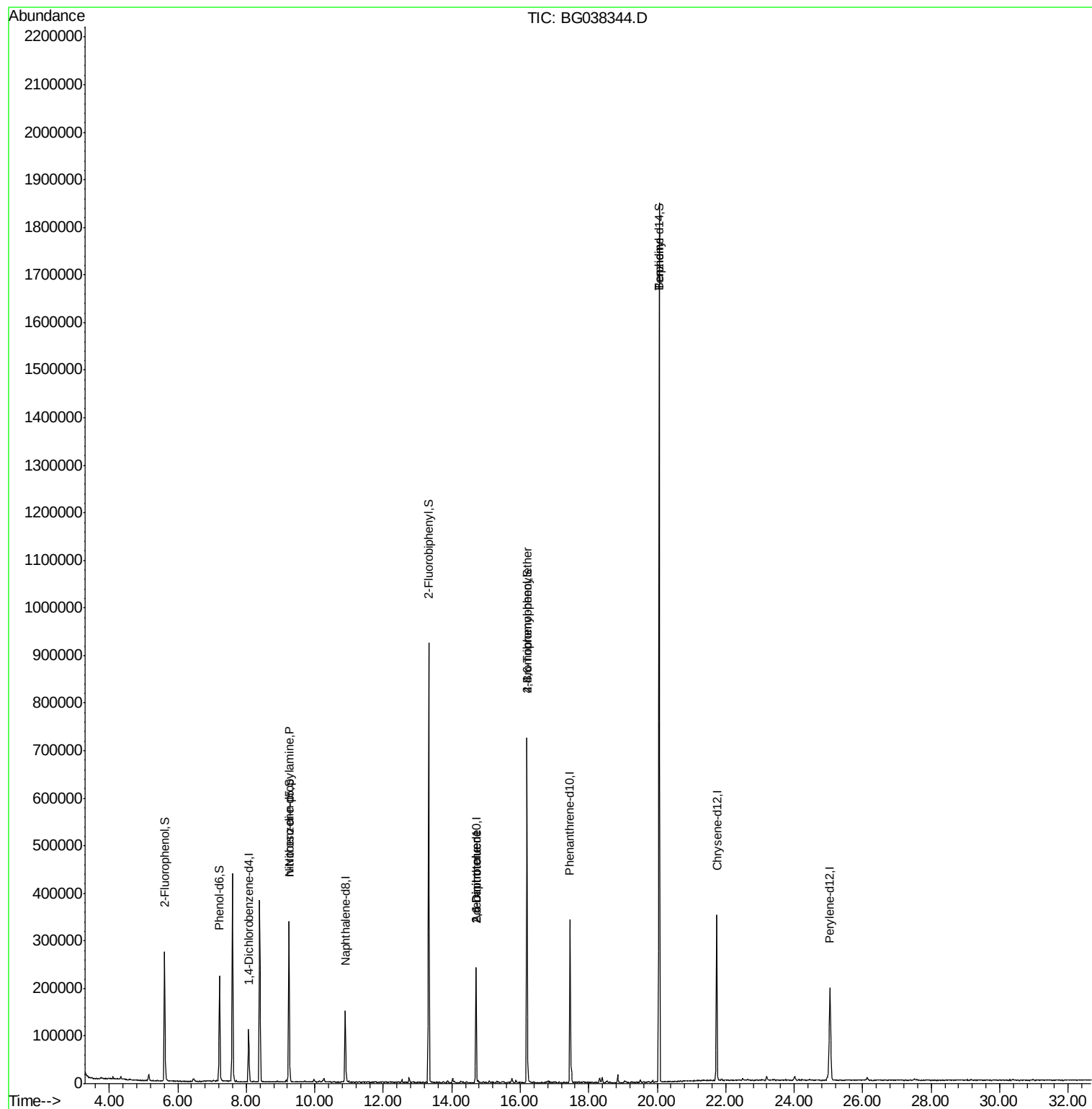
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	31422	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	135466	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	87991	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	218040	20.00	ng	0.00
76) Chrysene-d12	21.73	240	223645	20.00	ng	-0.01
87) Perylene-d12	25.04	264	230852	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	127272	71.68	ng	0.00
7) Phenol-d6	7.22	99	141603	55.18	ng	0.00
23) Nitrobenzene-d5	9.25	82	210818	77.26	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	134456	124.47	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	486883	78.85	ng	0.00
79) Terphenyl-d14	20.06	244	853415	81.75	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	27474	13.239	ng	# 78
22) Acetophenone	8.91	105	1399	Below Cal		# 66
51) 2,6-Dinitrotoluene	14.70	165	10851	6.731	ng	# 25
57) 2,4-Dinitrotoluene	14.70	165	10851	4.880	ng	# 25
67) 4-Bromophenyl-phenylether	16.20	248	9170	3.894	ng	# 1
77) Benzidine	20.06	184	15445	2.047	ng	# 94

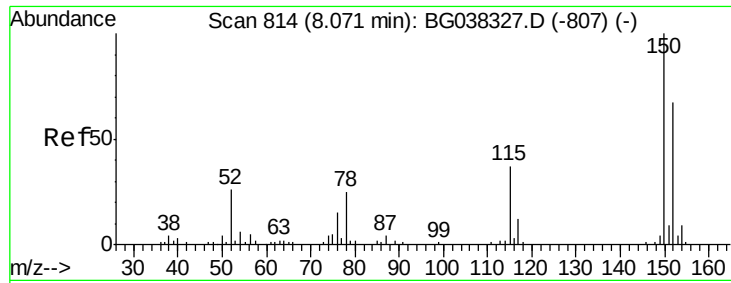
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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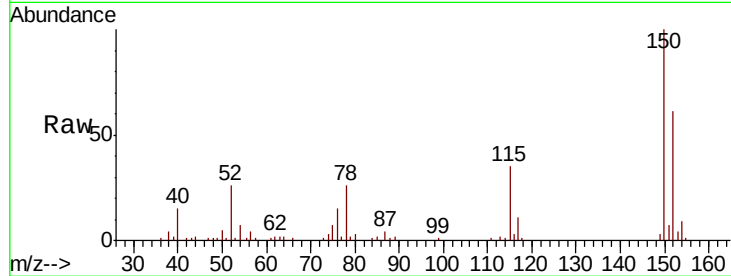


#1

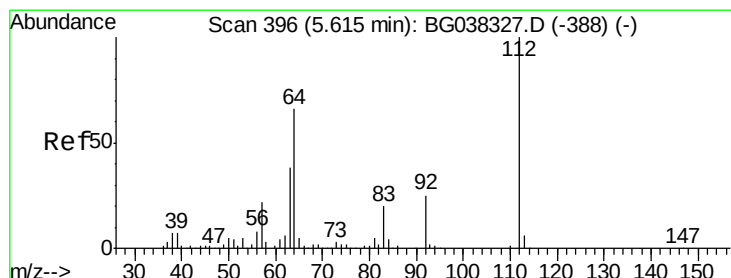
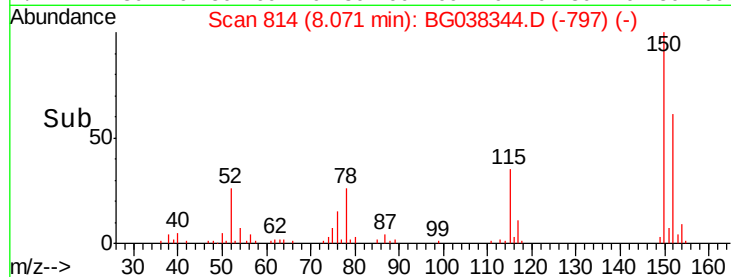
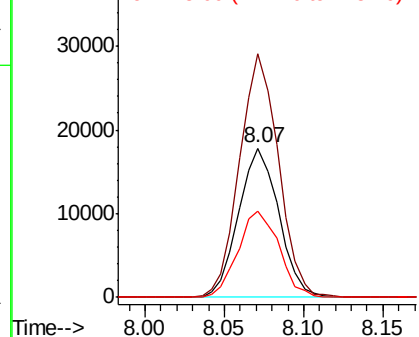
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. 0.00 min
Lab File: BG038344.D
Acq: 5 Dec 2018 3:50

Instrument :
BNA_G
ClientSampleId :
NON-UST-05A

Tgt Ion:152 Resp: 31422
Ion Ratio Lower Upper
152 100
150 163.3 126.0 189.0
115 57.7 45.5 68.3



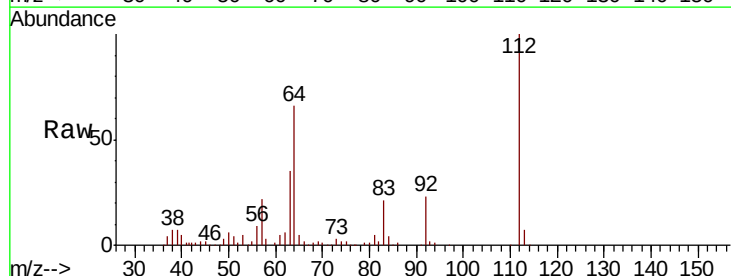
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



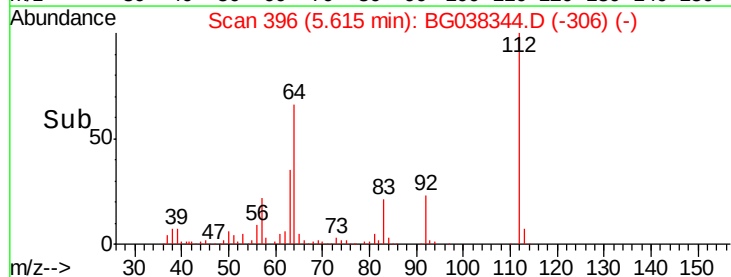
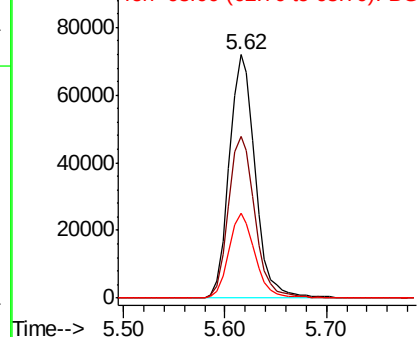
#5

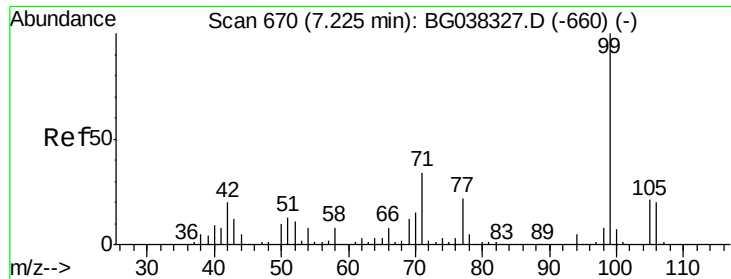
2-Fluorophenol
Concen: 71.678 ng
RT: 5.62 min Scan# 396
Delta R.T. 0.00 min
Lab File: BG038344.D
Acq: 5 Dec 2018 3:50

Tgt Ion:112 Resp: 127272
Ion Ratio Lower Upper
112 100
64 66.3 53.1 79.7
63 34.9 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: 55.177 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038344.D

Acq: 5 Dec 2018 3:50

Instrument :

BNA_G

ClientSampleId :

NON-UST-05A

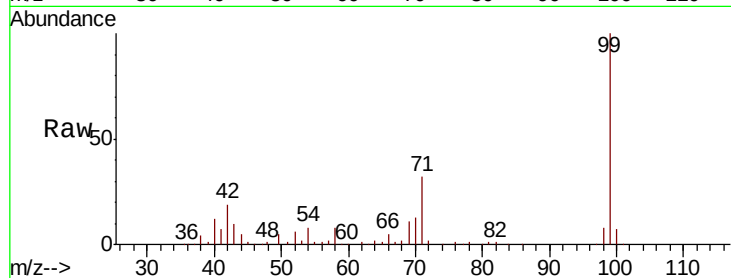
Tgt Ion: 99 Resp: 141603

Ion Ratio Lower Upper

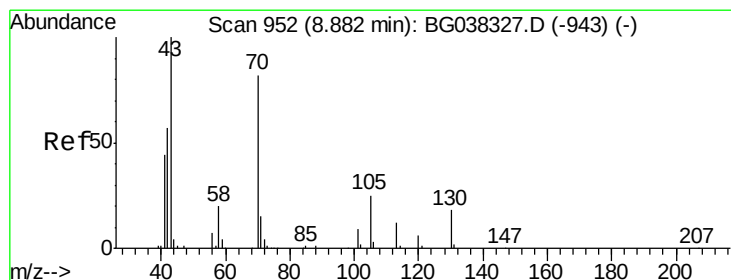
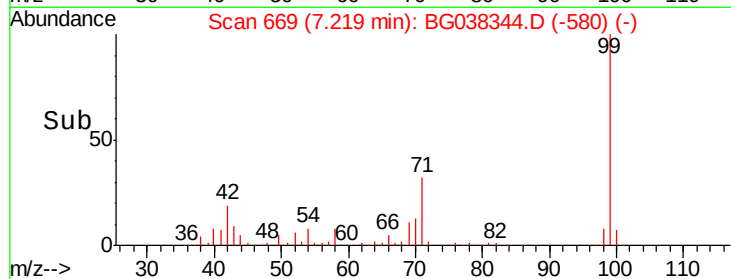
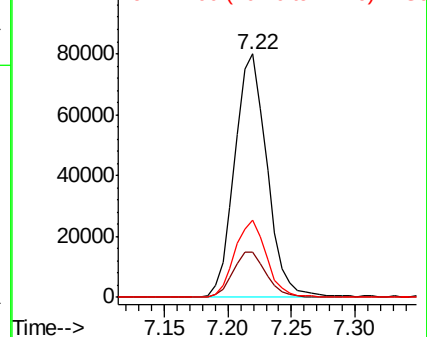
99 100

42 18.5 15.0 22.4

71 31.8 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: 13.239 ng

RT: 9.25 min Scan# 1014

Delta R.T. 0.37 min

Lab File: BG038344.D

Acq: 5 Dec 2018 3:50

Tgt Ion: 70 Resp: 27474

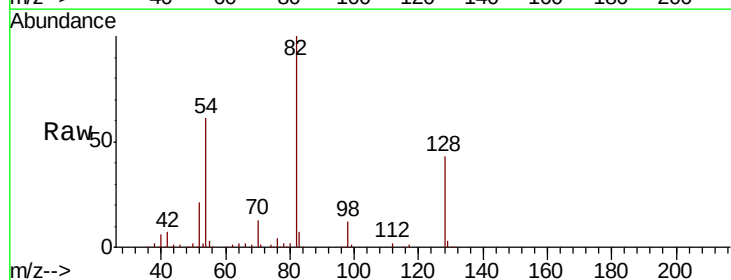
Ion Ratio Lower Upper

70 100

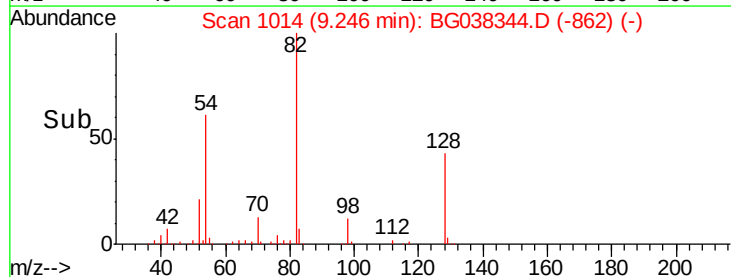
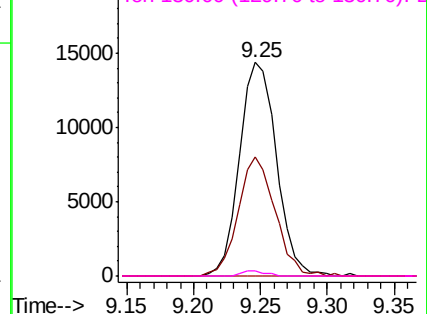
42 55.9 53.9 80.9

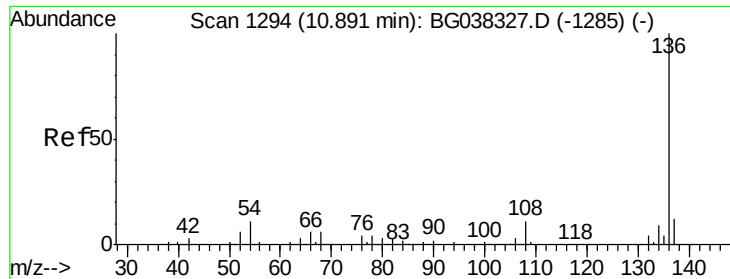
101 0.0 8.2 12.2#

130 2.3 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: 10.89 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BG038344.D

Acq: 5 Dec 2018 3:50

Instrument :

BNA_G

ClientSampleId :

NON-UST-05A

Tgt Ion:136 Resp: 135466

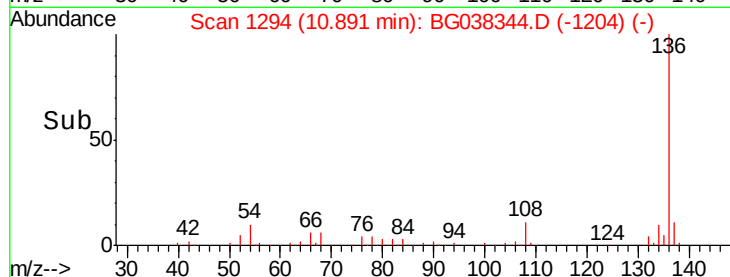
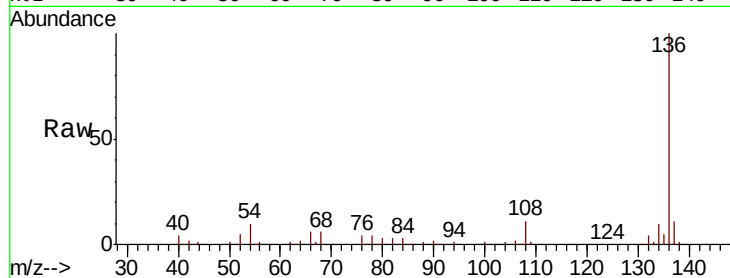
Ion Ratio Lower Upper

136 100

137 11.1 9.6 14.4

54 10.3 7.9 11.9

68 5.7 4.8 7.2

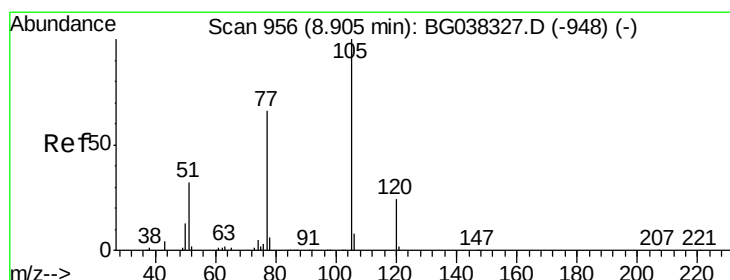
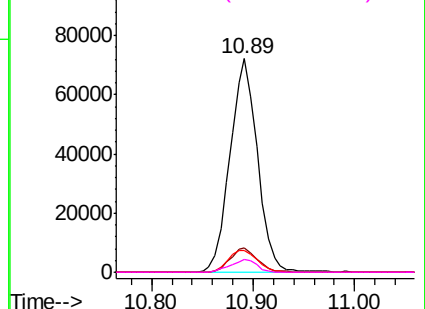


Abundance Ion 136.00 (135.70 to 136.70): E

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: 8.91 min Scan# 957

Delta R.T. 0.01 min

Lab File: BG038344.D

Acq: 5 Dec 2018 3:50

Tgt Ion:105 Resp: 1399

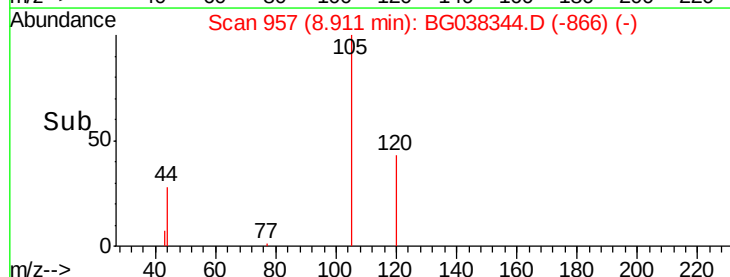
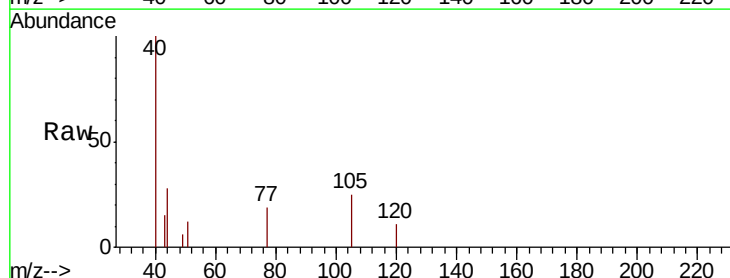
Ion Ratio Lower Upper

105 100

71 0.0 1.2 1.8#

51 48.2 25.0 37.6#

120 43.2 18.6 28.0#

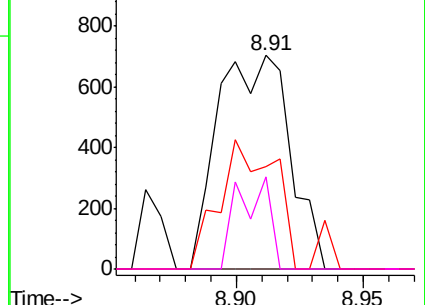


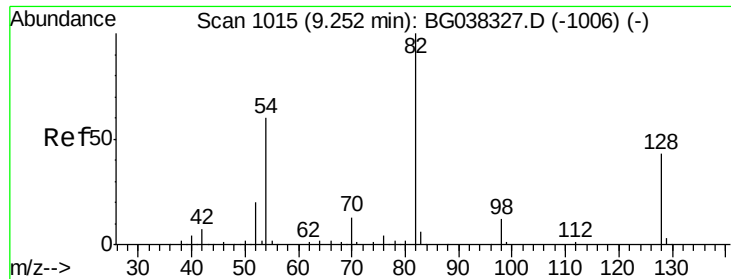
Abundance Ion 105.00 (104.70 to 105.70): E

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

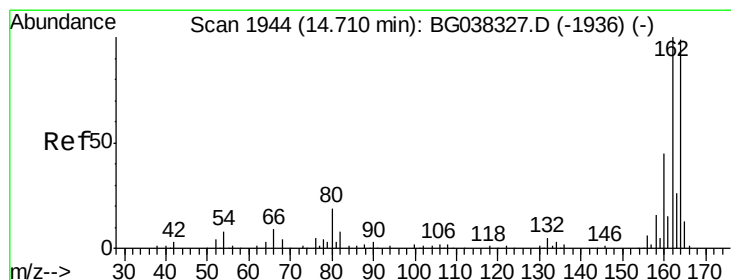
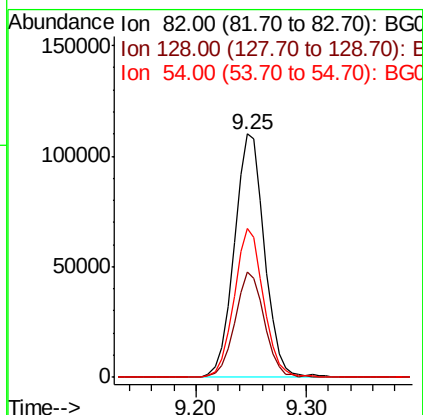
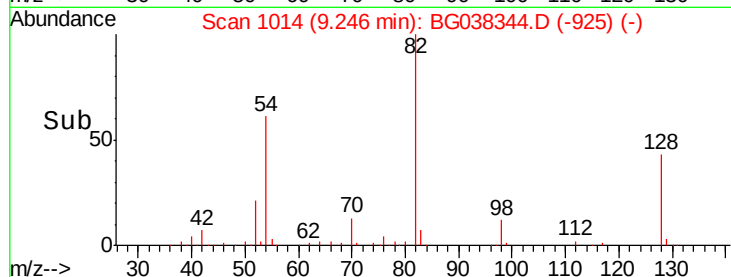
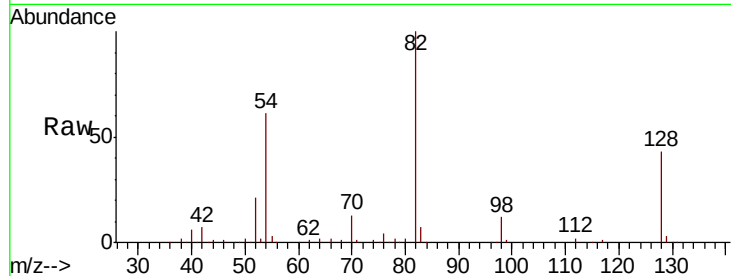




#23
Nitrobenzene-d5
Concen: 77.264 ng
RT: 9.25 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BG038344.D
Acq: 5 Dec 2018 3:50

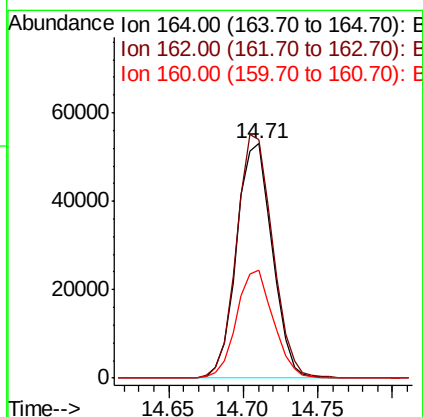
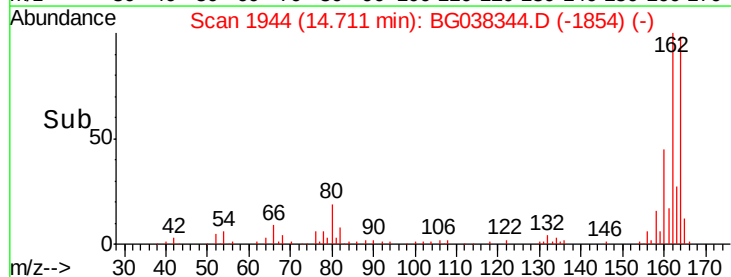
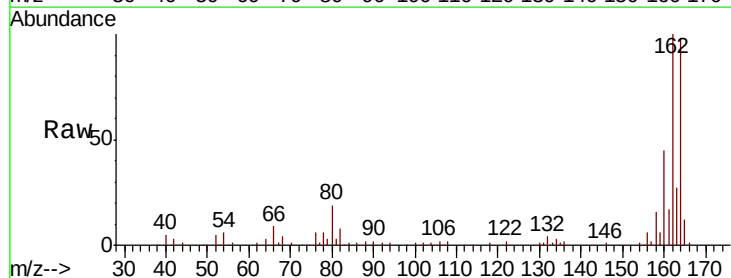
Instrument :
BNA_G
ClientSampleId :
NON-UST-05A

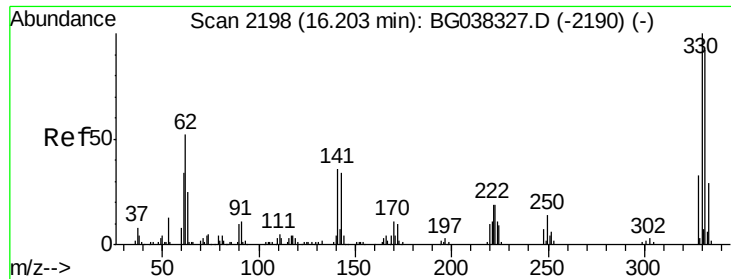
Tgt Ion: 82 Resp: 210818
Ion Ratio Lower Upper
82 100
128 43.1 34.6 51.8
54 61.0 45.3 67.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.71 min Scan# 1944
Delta R.T. 0.00 min
Lab File: BG038344.D
Acq: 5 Dec 2018 3:50

Tgt Ion: 164 Resp: 87991
Ion Ratio Lower Upper
164 100
162 101.9 81.3 121.9
160 46.2 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 124.474 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BG038344.D

Acq: 5 Dec 2018 3:50

Instrument :

BNA_G

ClientSampleId :

NON-UST-05A

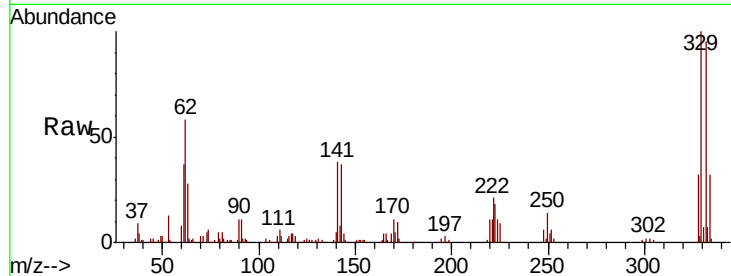
Tgt Ion:330 Resp: 134456

Ion Ratio Lower Upper

330 100

332 95.5 78.4 117.6

141 40.1 32.2 48.2

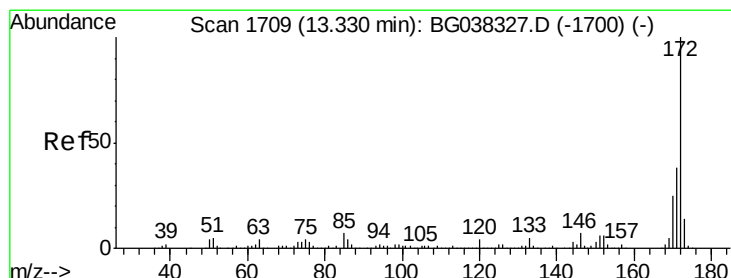
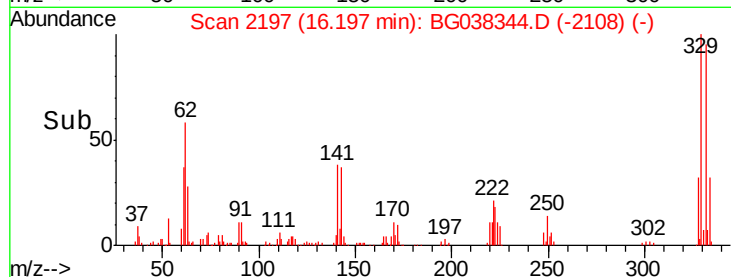
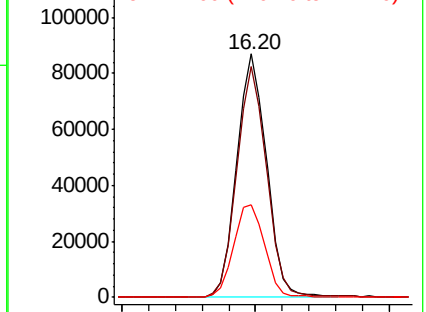


Abundance

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: 78.845 ng

RT: 13.33 min Scan# 1709

Delta R.T. 0.00 min

Lab File: BG038344.D

Acq: 5 Dec 2018 3:50

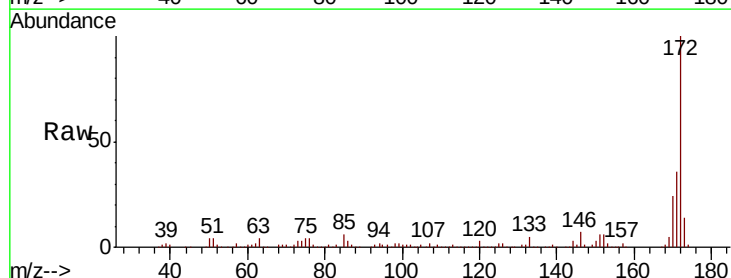
Tgt Ion:172 Resp: 486883

Ion Ratio Lower Upper

172 100

171 36.4 31.0 46.4

170 24.3 20.2 30.2

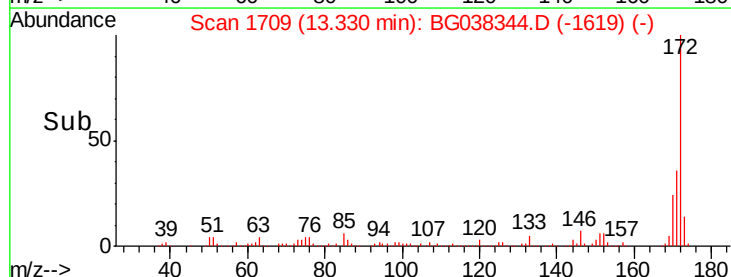
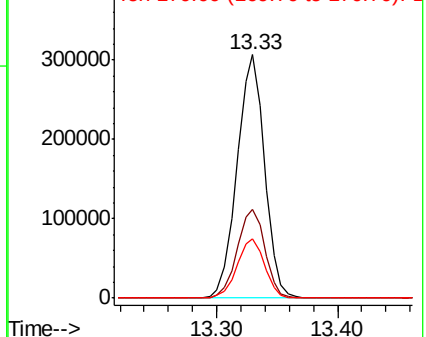


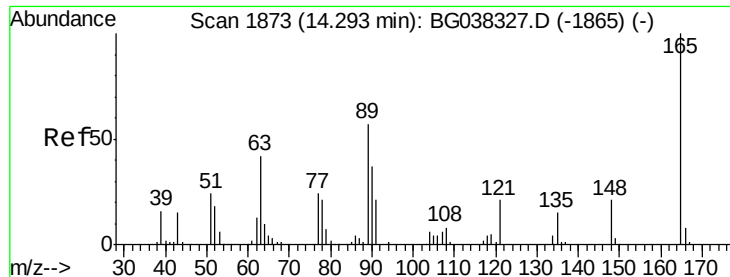
Abundance

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

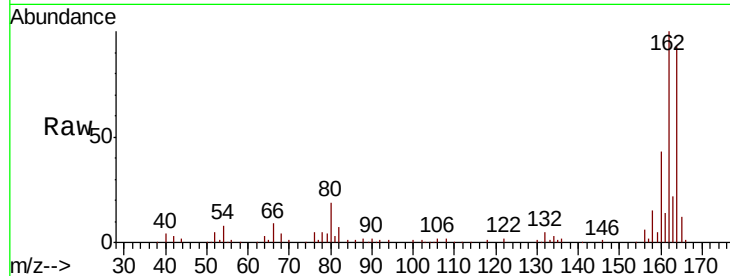




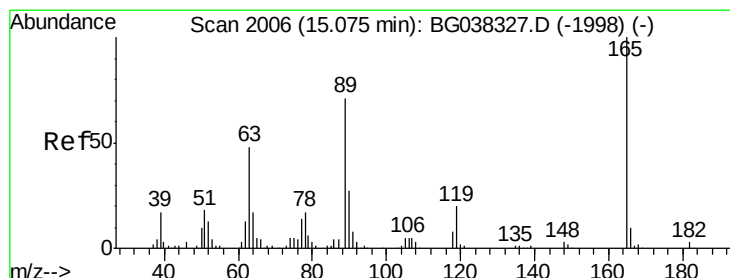
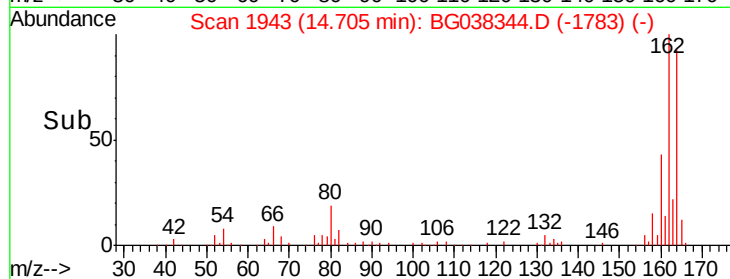
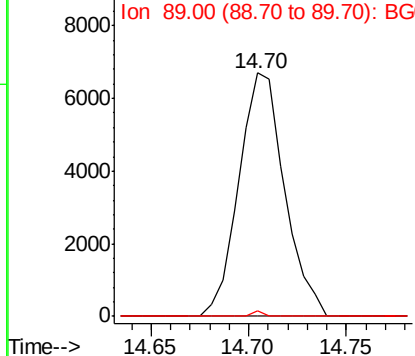
#51
 2,6-Dinitrotoluene
 Concen: 6.731 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. 0.41 min
 Lab File: BG038344.D
 Acq: 5 Dec 2018 3:50

Instrument :
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 NON-UST-05A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	2.3	45.8	68.6#

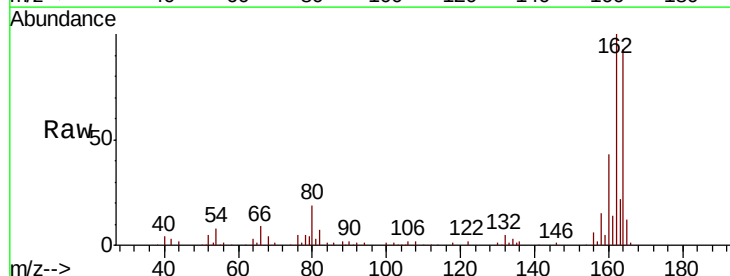


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

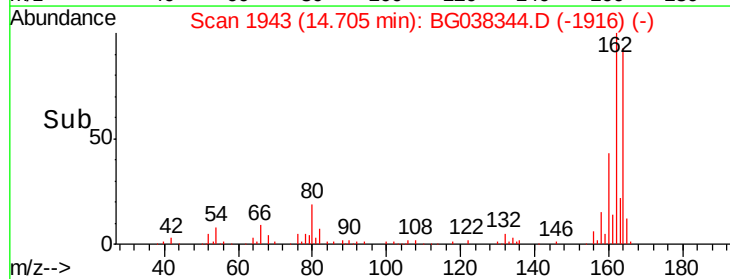
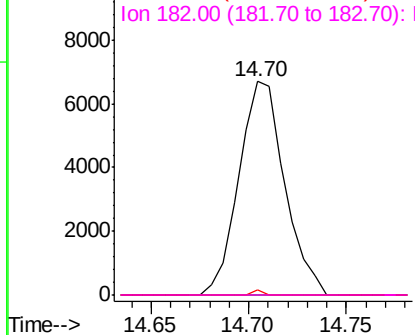


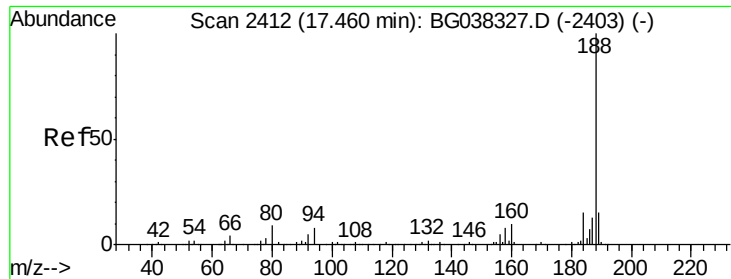
#57
 2,4-Dinitrotoluene
 Concen: 4.880 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. -0.37 min
 Lab File: BG038344.D
 Acq: 5 Dec 2018 3:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	2.3	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: BG038344.D

Acq: 5 Dec 2018 3:50

Instrument :

BNA_G

ClientSampleId :

NON-UST-05A

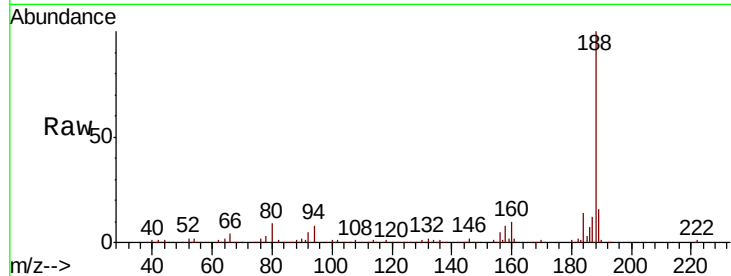
Tgt Ion:188 Resp: 218040

Ion Ratio Lower Upper

188 100

94 8.4 7.2 10.8

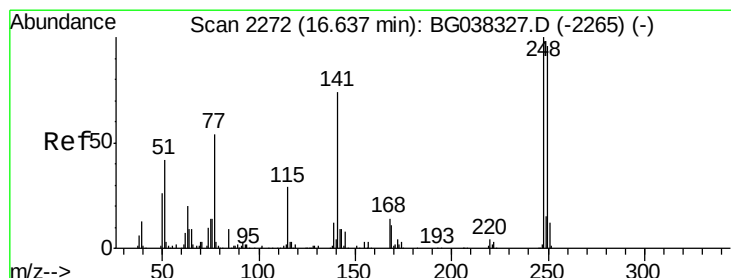
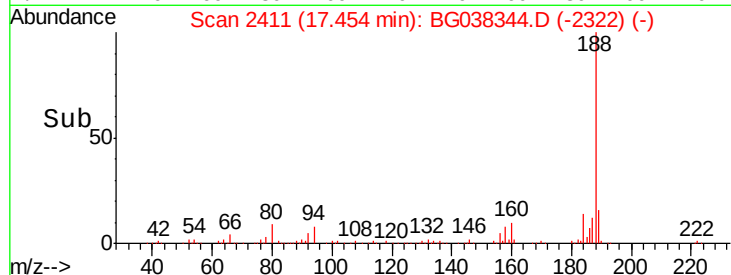
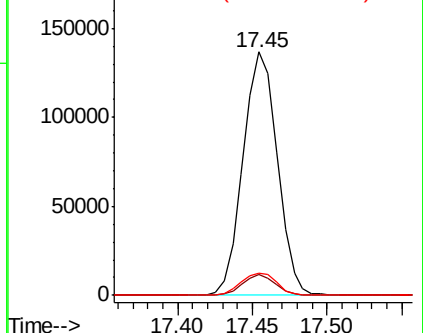
80 9.2 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#67

4-Bromophenyl-phenylether

Concen: 3.894 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.44 min

Lab File: BG038344.D

Acq: 5 Dec 2018 3:50

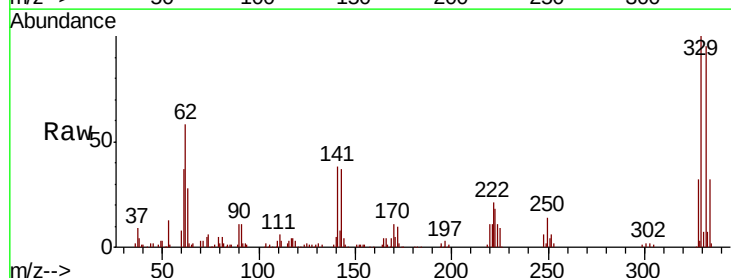
Tgt Ion:248 Resp: 9170

Ion Ratio Lower Upper

248 100

250 196.7 77.0 115.6#

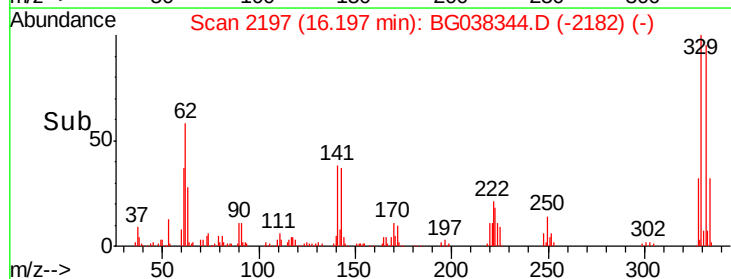
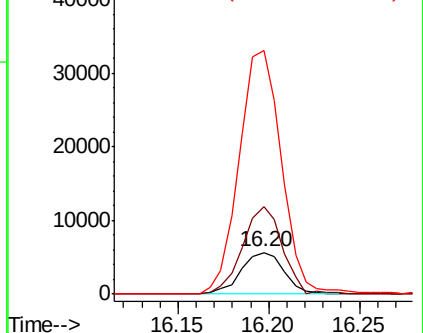
141 427.1 55.5 83.3#

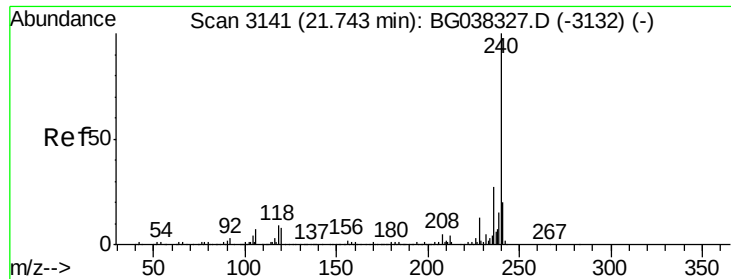


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

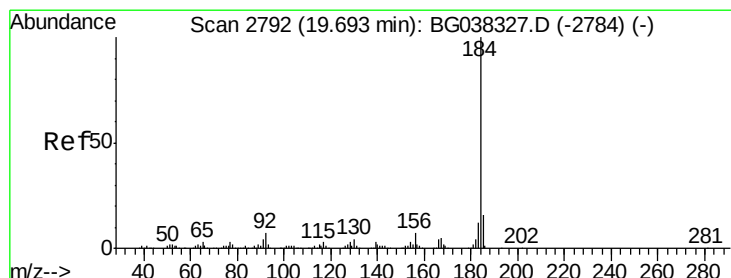
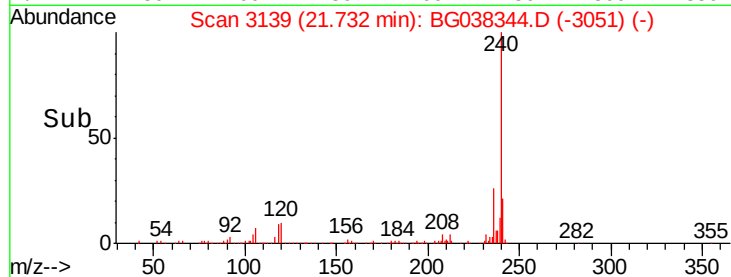
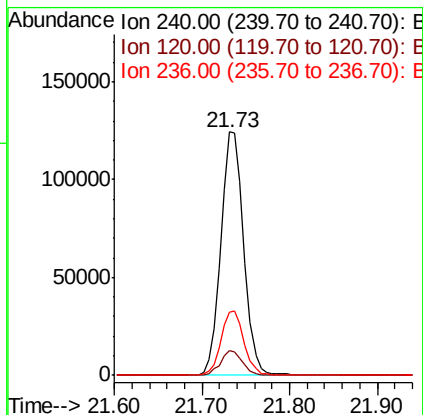
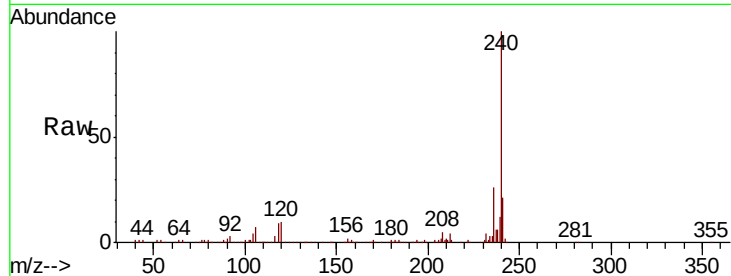




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BG038344.D
Acq: 5 Dec 2018 3:50

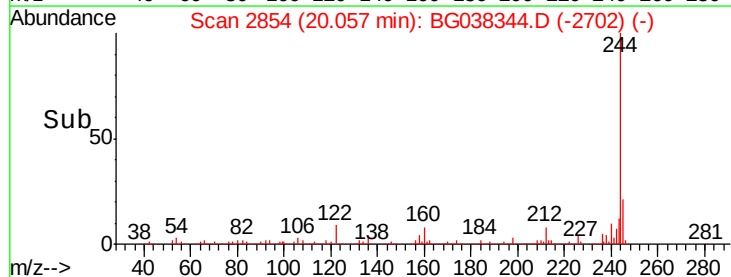
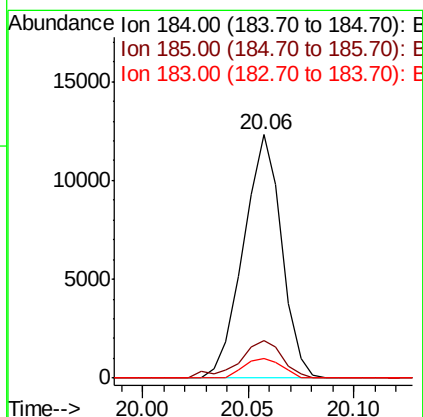
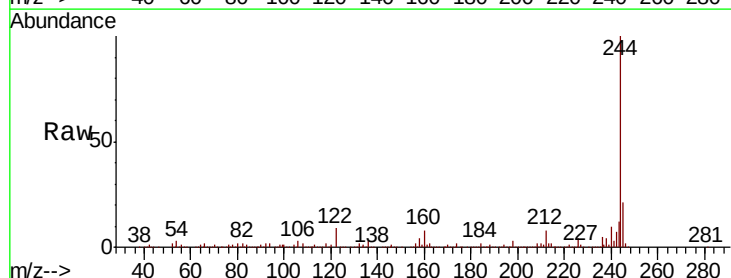
Instrument :
BNA_G
ClientSampleId :
NON-UST-05A

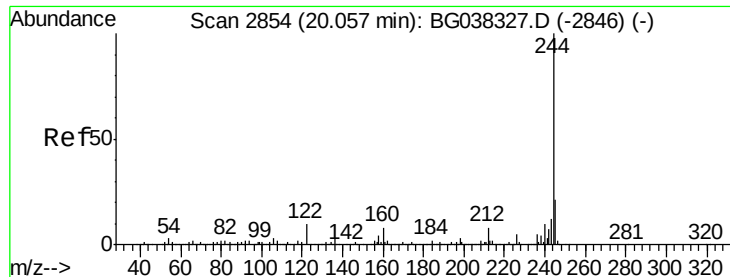
Tgt Ion:240 Resp: 223645
Ion Ratio Lower Upper
240 100
120 10.1 8.1 12.1
236 25.7 21.4 32.0



#77
Benzidine
Concen: 2.047 ng
RT: 20.06 min Scan# 2854
Delta R.T. 0.36 min
Lab File: BG038344.D
Acq: 5 Dec 2018 3:50

Tgt Ion:184 Resp: 15445
Ion Ratio Lower Upper
184 100
185 15.2 12.6 18.8
183 8.0 10.2 15.2#





#79

Terphenyl-d14

Concen: 81.747 ng

RT: 20.06 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG038344.D

Acq: 5 Dec 2018 3:50

Instrument :

BNA_G

ClientSampleId :

NON-UST-05A

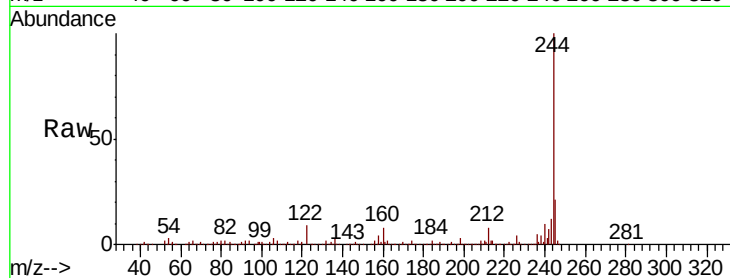
Tgt Ion:244 Resp: 853415

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

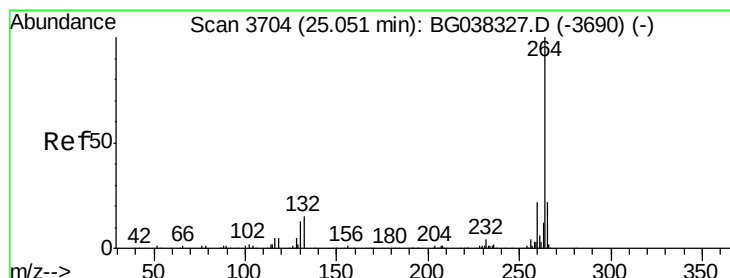
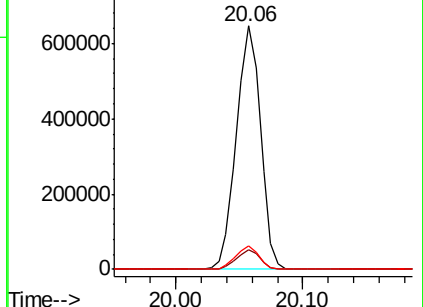
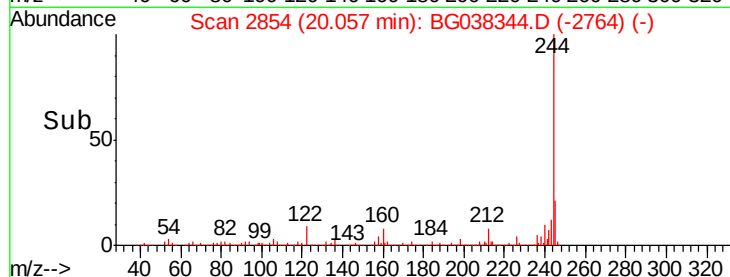
122 9.5 9.0 13.4



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: 25.04 min Scan# 3702

Delta R.T. -0.01 min

Lab File: BG038344.D

Acq: 5 Dec 2018 3:50

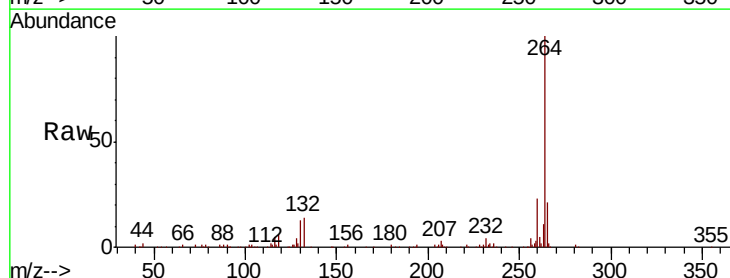
Tgt Ion:264 Resp: 230852

Ion Ratio Lower Upper

264 100

260 22.6 18.2 27.4

265 21.3 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

