

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG120418\
 Data File : BG038345.D
 Acq On : 5 Dec 2018 4:29
 Operator : JU/SJ
 Sample : J6003-23
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NON-UST-03R-C

Quant Time: Dec 05 06:03:30 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	27131	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	119478	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	75449	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	187530	20.00	ng	0.00
76) Chrysene-d12	21.73	240	194230	20.00	ng	0.00
87) Perylene-d12	25.04	264	203219	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	128123	83.57	ng	0.00
7) Phenol-d6	7.22	99	115524	52.13	ng	0.00
23) Nitrobenzene-d5	9.25	82	198937	82.67	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	122974	132.77	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	444740	83.99	ng	0.00
79) Terphenyl-d14	20.06	244	784995	86.58	ng	0.00

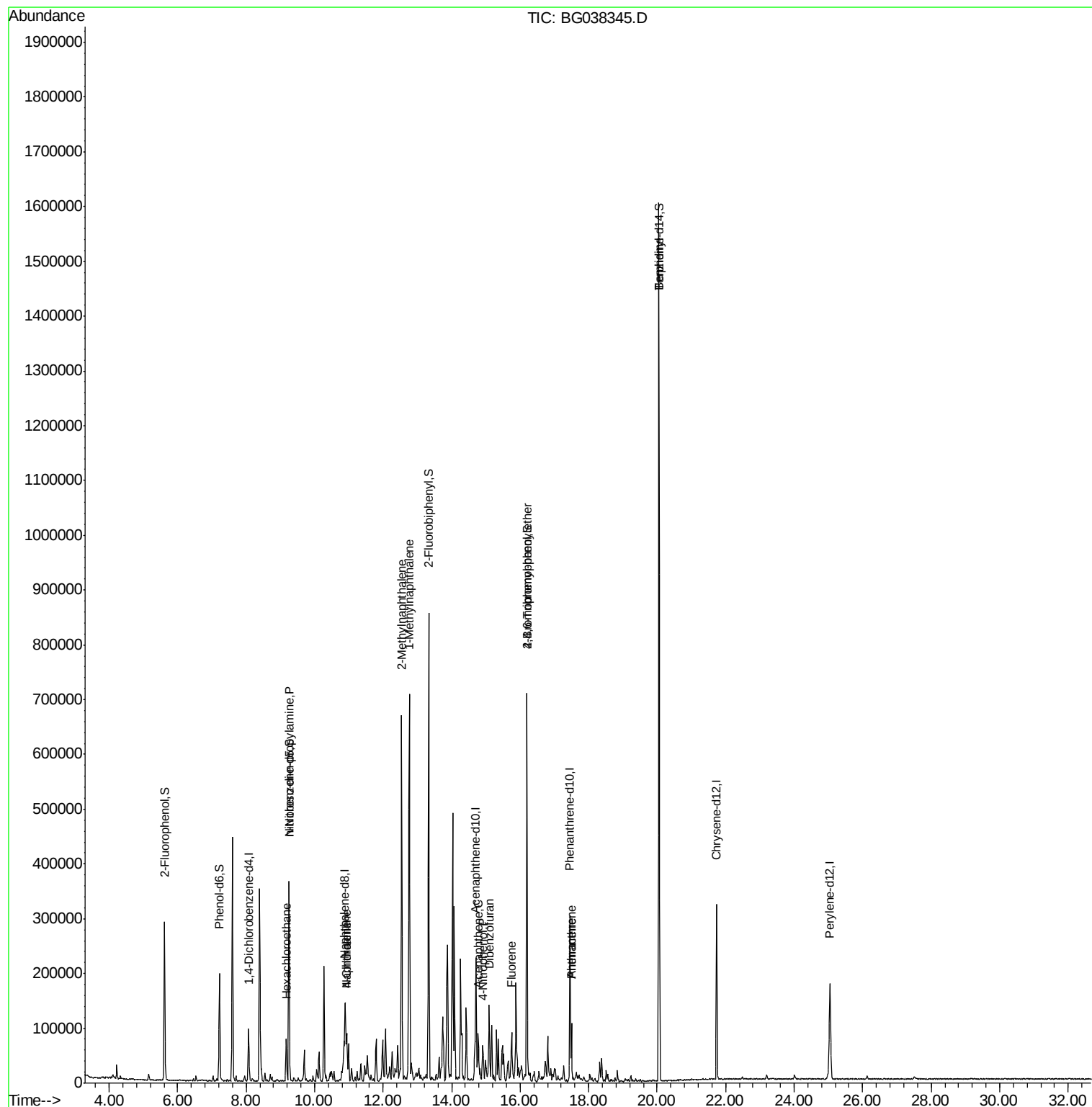
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	9.18	117	12194	15.691	ng	# 1
19) n-Nitroso-di-n-propylamine	9.25	70	26416	14.995	ng	# 76
22) Acetophenone	8.91	105	1516	Below Cal		# 91
31) Naphthalene	10.94	128	61606	10.795	ng	97
33) 4-Chloroaniline	10.93	127	8372	3.314	ng	# 25
37) 2-Methylnaphthalene	12.54	142	324414	79.819	ng	98
38) 1-Methylnaphthalene	12.76	142	331094	85.055	ng	100
52) Acenaphthene	14.77	154	20113	4.552	ng	96
55) Dibenzofuran	15.11	168	28511	3.903	ng	# 87
56) 4-Nitrophenol	14.91	139	3744	3.183	ng	# 19
58) Fluorene	15.75	166	38047	7.070	ng	98
67) 4-Bromophenyl-phenylether	16.20	248	8535	4.215	ng	# 1
71) Phenanthrene	17.50	178	70723	7.531	ng	97
72) Anthracene	17.50	178	70723	7.776	ng	99
77) Benzidine	20.05	184	13192	2.013	ng	# 93

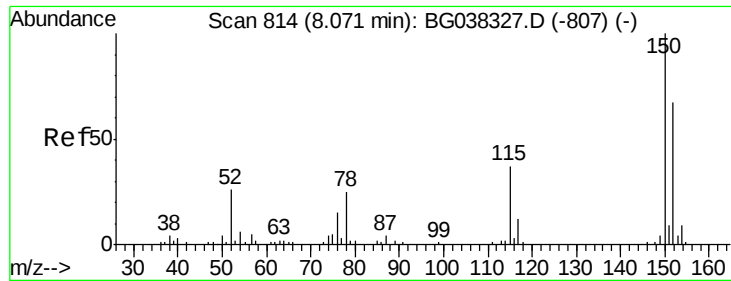
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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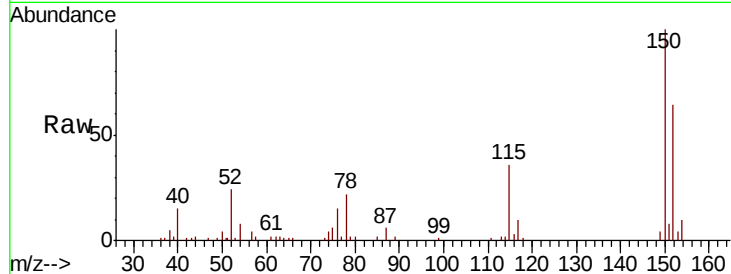


#1

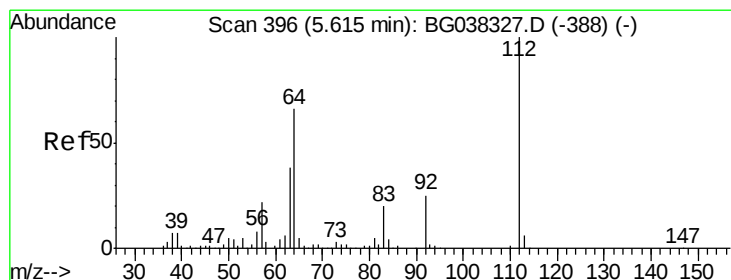
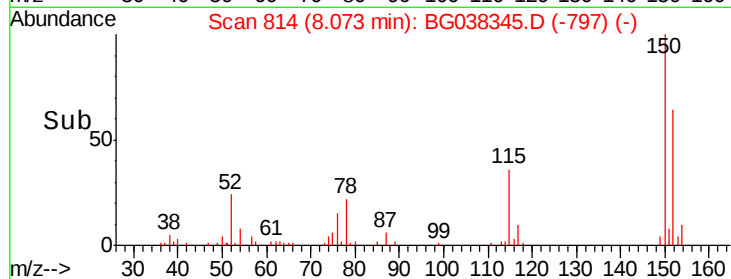
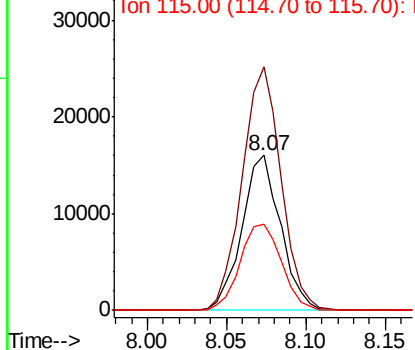
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. 0.00 min
Lab File: BG038345.D
Acq: 5 Dec 2018 4:29

Instrument :
BNA_G
ClientSampleId :
NON-UST-03R-C

Tgt Ion:152 Resp: 27131
Ion Ratio Lower Upper
152 100
150 157.0 126.0 189.0
115 55.9 45.5 68.3



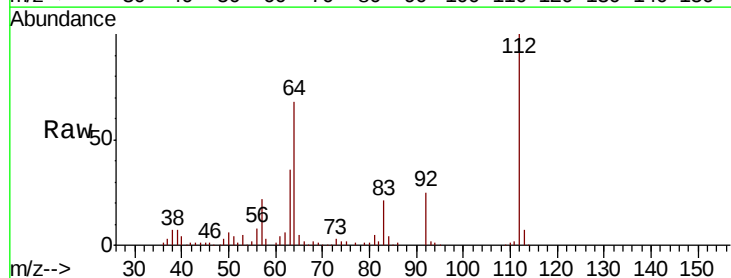
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



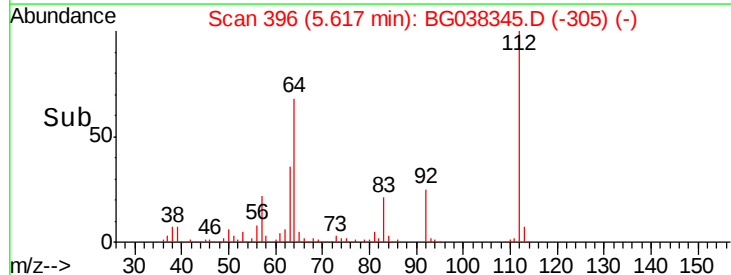
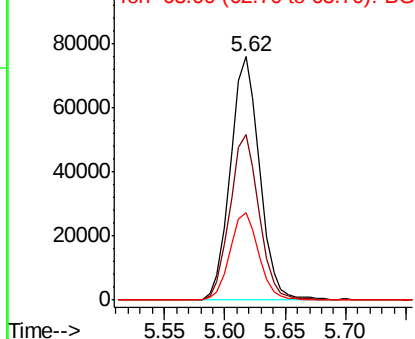
#5

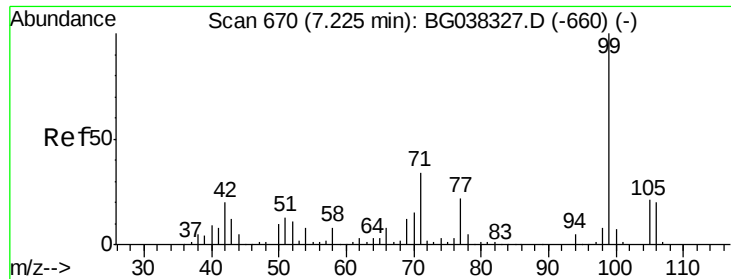
2-Fluorophenol
Concen: 83.569 ng
RT: 5.62 min Scan# 396
Delta R.T. 0.00 min
Lab File: BG038345.D
Acq: 5 Dec 2018 4:29

Tgt Ion:112 Resp: 128123
Ion Ratio Lower Upper
112 100
64 68.1 53.1 79.7
63 35.9 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: 52.134 ng

RT: 7.22 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG038345.D

Acq: 5 Dec 2018 4:29

Instrument :

BNA_G

ClientSampleId :

NON-UST-03R-C

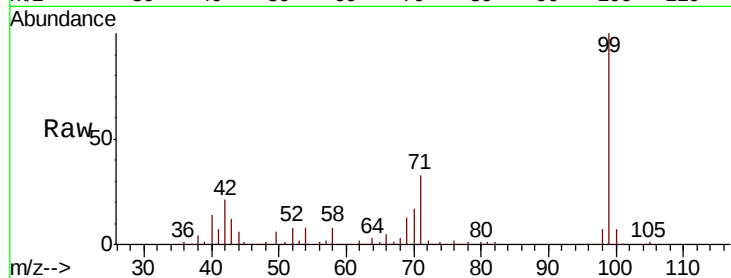
Tgt Ion: 99 Resp: 115524

Ion Ratio Lower Upper

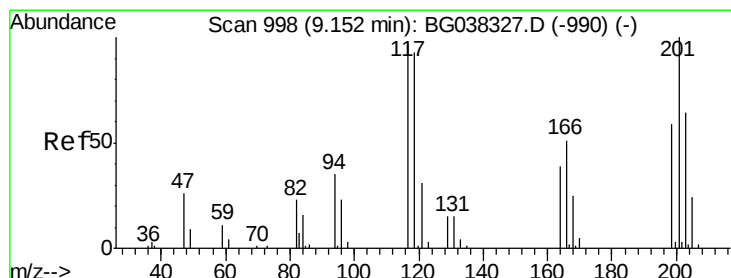
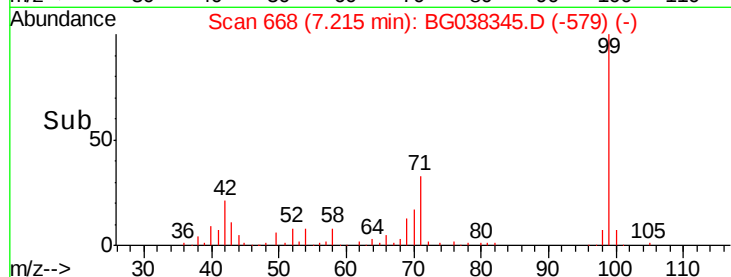
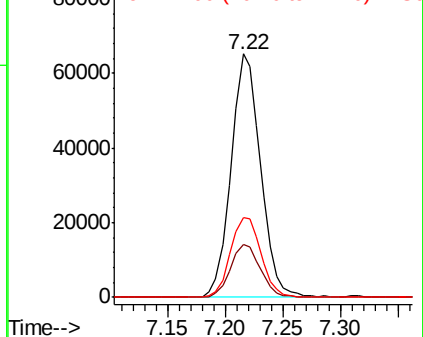
99 100

42 21.5 15.0 22.4

71 32.9 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



#18

Hexachloroethane

Concen: 15.691 ng

RT: 9.18 min Scan# 1002

Delta R.T. 0.03 min

Lab File: BG038345.D

Acq: 5 Dec 2018 4:29

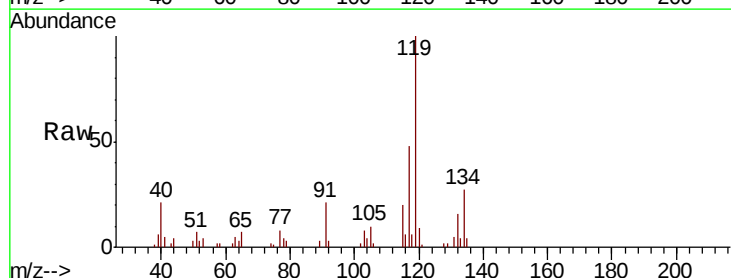
Tgt Ion: 117 Resp: 12194

Ion Ratio Lower Upper

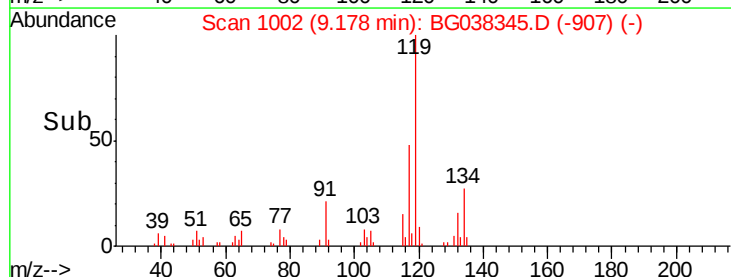
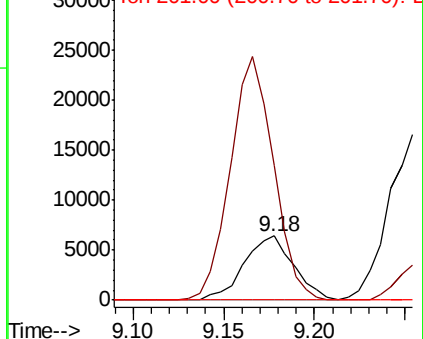
117 100

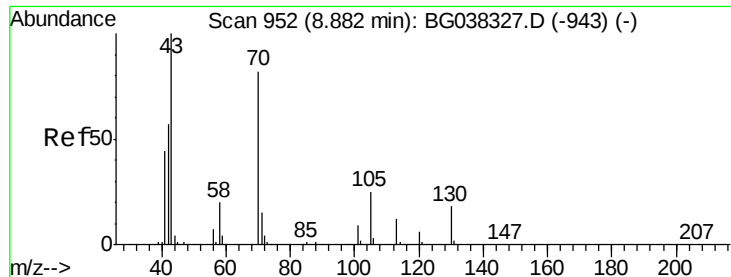
119 210.4 74.6 111.8#

201 0.0 80.8 121.2#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

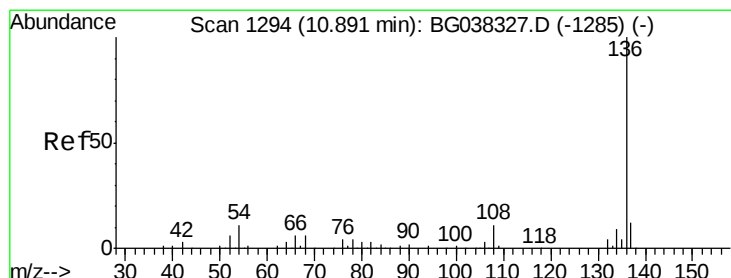
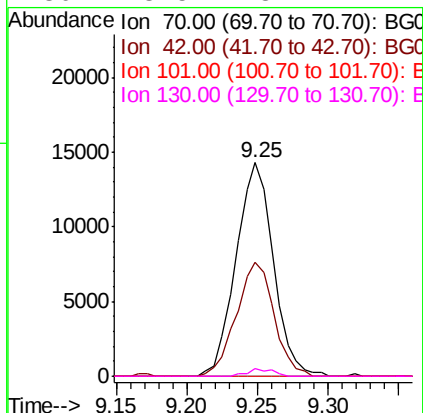
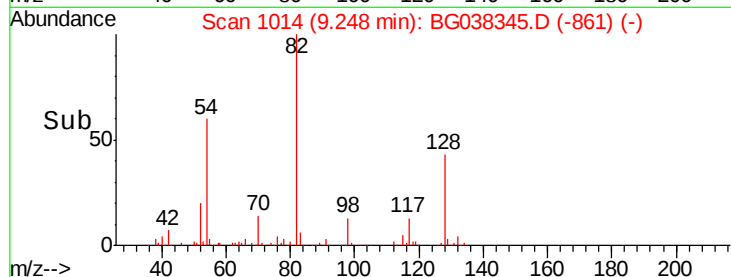
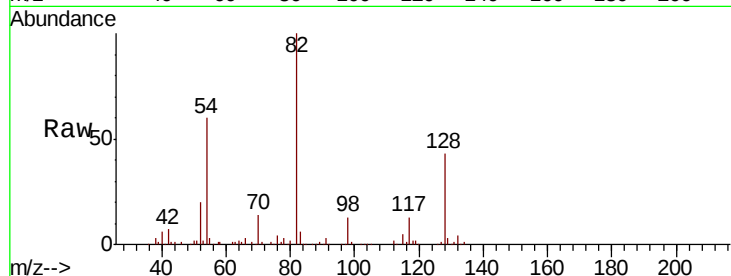




#19
n-Nitroso-di-n-propylamine
Concen: 14.995 ng
RT: 9.25 min Scan# 1014
Delta R.T. 0.37 min
Lab File: BG038345.D
Acq: 5 Dec 2018 4:29

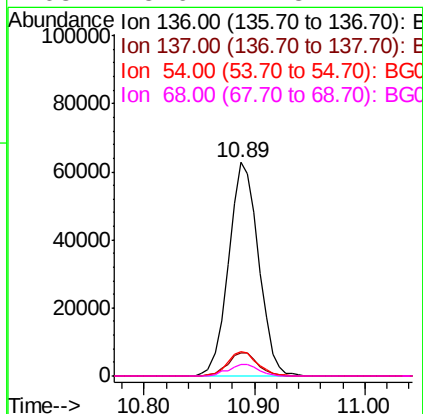
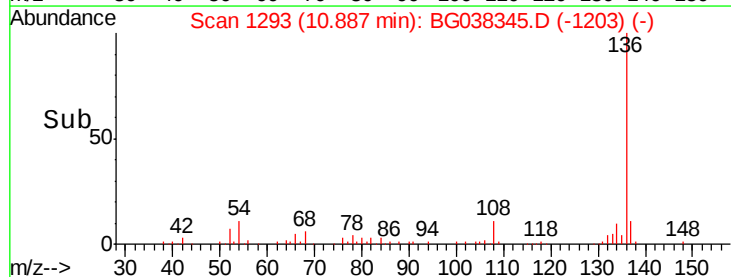
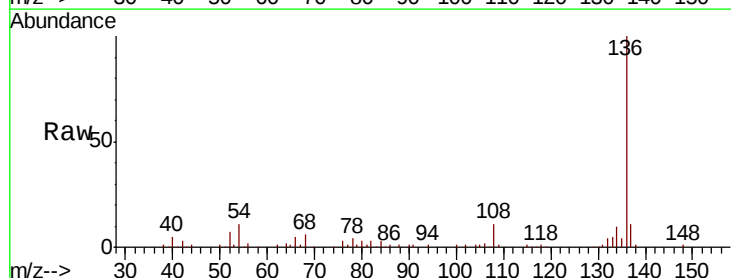
Instrument :
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NON-UST-03R-C

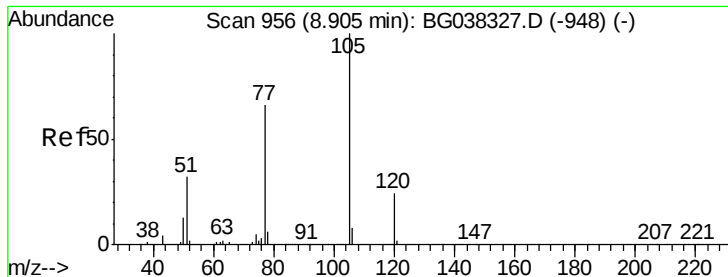
Tgt Ion: 70 Resp: 26416
Ion Ratio Lower Upper
70 100
42 53.3 53.9 80.9#
101 0.0 8.2 12.2#
130 3.5 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BG038345.D
Acq: 5 Dec 2018 4:29

Tgt Ion: 136 Resp: 119478
Ion Ratio Lower Upper
136 100
137 11.0 9.6 14.4
54 11.3 7.9 11.9
68 5.6 4.8 7.2





#22

Acetophenone

Concen: Below Cal

RT: 8.91 min Scan# 956

Delta R.T. 0.00 min

Lab File: BG038345.D

Acq: 5 Dec 2018 4:29

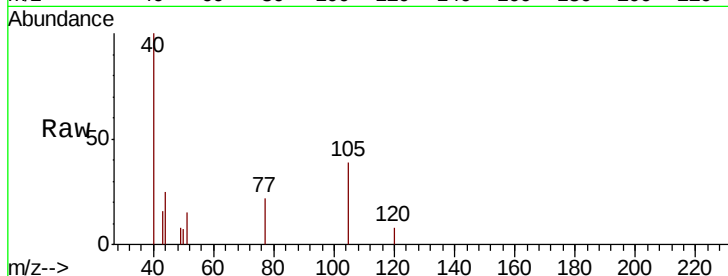
Instrument :

BNA_G

ClientSampleId :

NON-UST-03R-C

Tgt Ion:	105	Resp:	1516
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.2	1.8#
51	38.3	25.0	37.6#
120	21.2	18.6	28.0

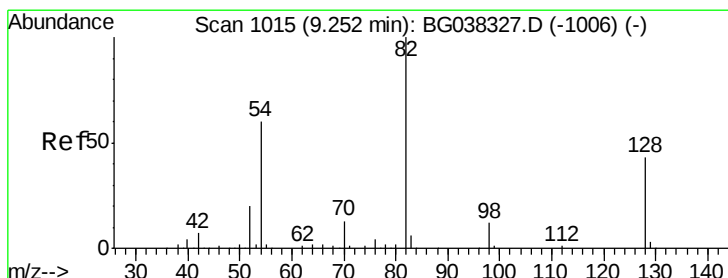
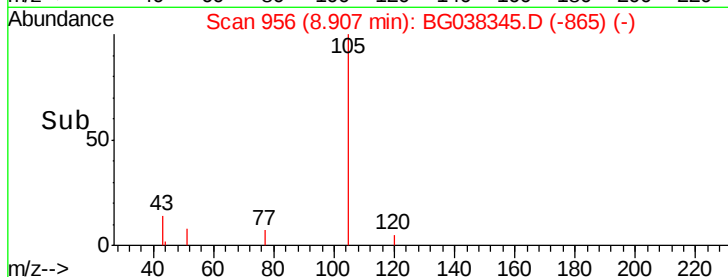
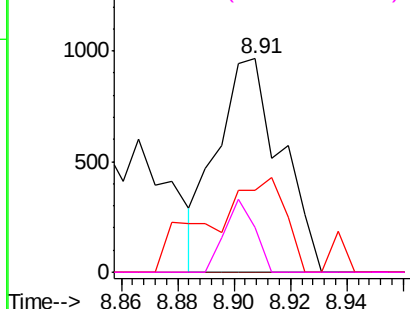


Abundance Ion 105.00 (104.70 to 105.70): E

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: 82.666 ng

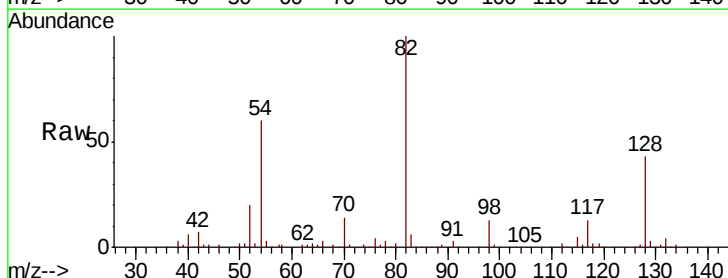
RT: 9.25 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BG038345.D

Acq: 5 Dec 2018 4:29

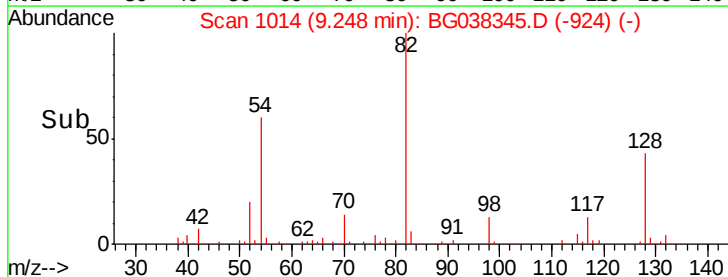
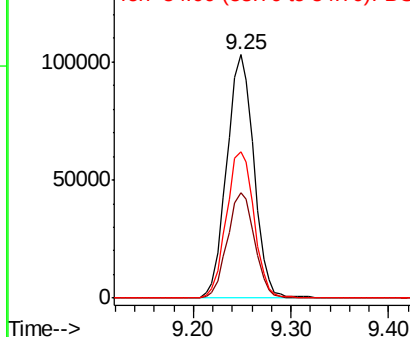
Tgt Ion:	82	Resp:	198937
Ion	Ratio	Lower	Upper
82	100		
128	43.2	34.6	51.8
54	60.1	45.3	67.9

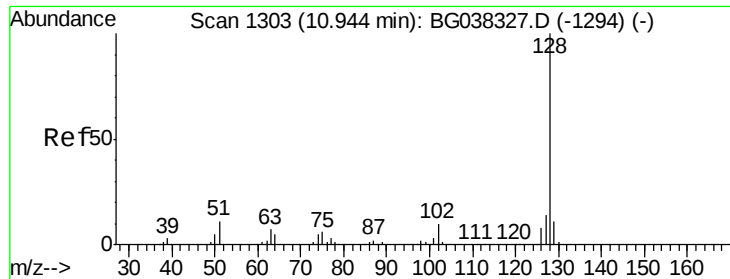


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

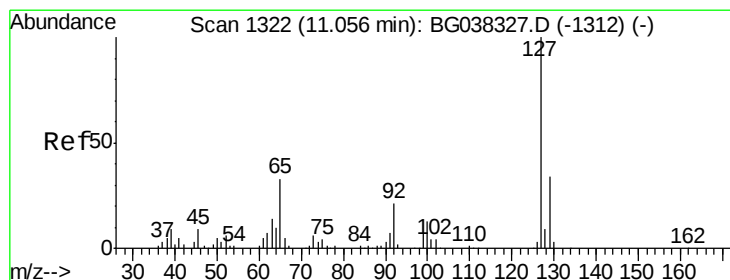
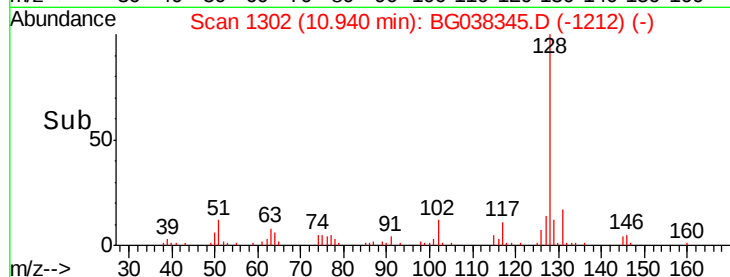
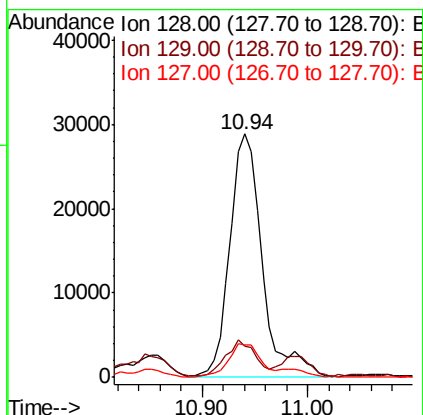
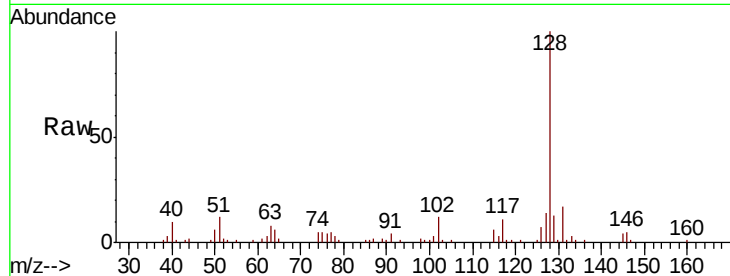




#31
Naphthalene
Concen: 10.795 ng
RT: 10.94 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BG038345.D
Acq: 5 Dec 2018 4:29

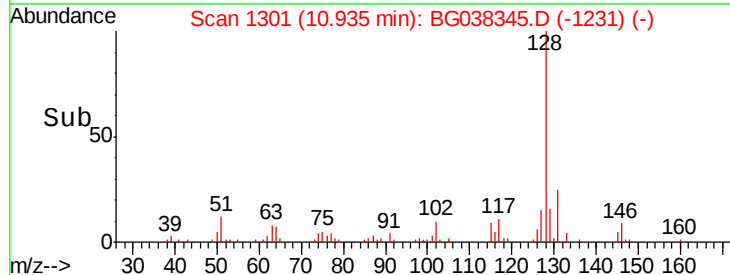
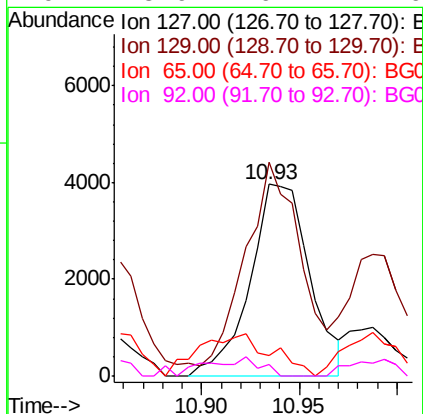
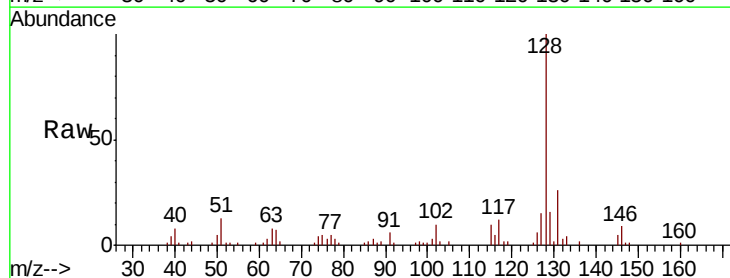
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BNA_G
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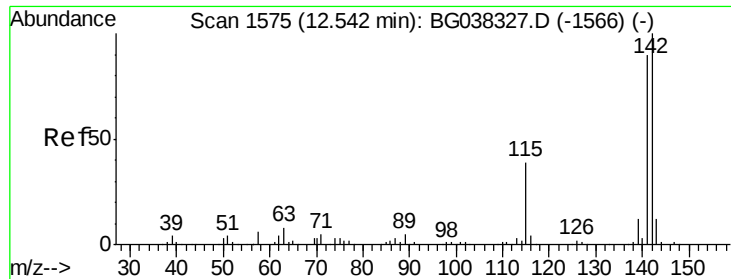
Tgt Ion:128 Resp: 61606
Ion Ratio Lower Upper
128 100
129 13.0 9.0 13.6
127 13.5 11.1 16.7



#33
4-Chloroaniline
Concen: 3.314 ng
RT: 10.93 min Scan# 1301
Delta R.T. -0.12 min
Lab File: BG038345.D
Acq: 5 Dec 2018 4:29

Tgt Ion:127 Resp: 8372
Ion Ratio Lower Upper
127 100
129 111.5 27.1 40.7#
65 10.9 26.6 39.8#
92 5.9 16.4 24.6#

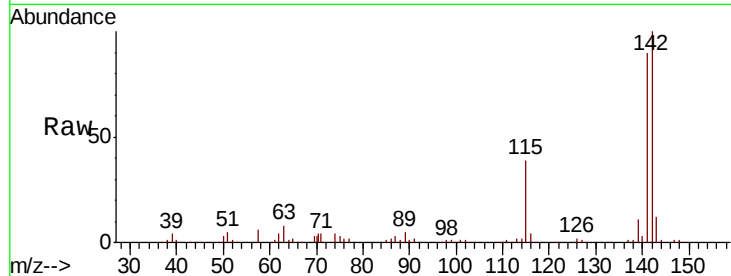




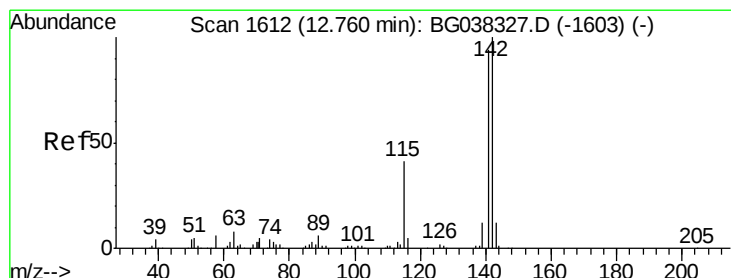
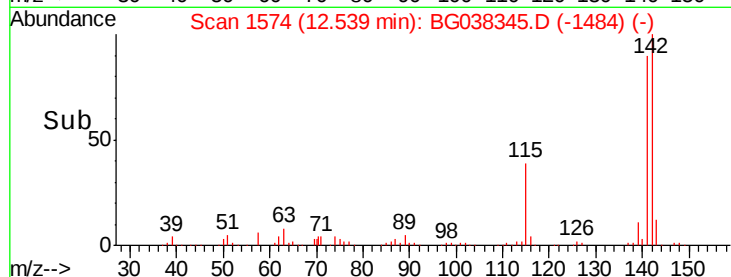
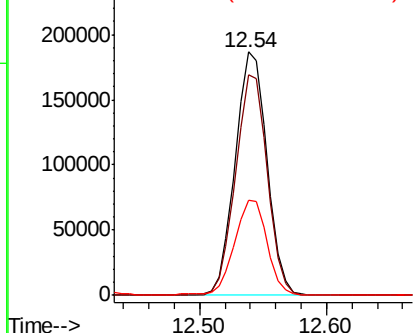
#37
 2-Methylnaphthalene
 Concen: 79.819 ng
 RT: 12.54 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: BG038345.D
 Acq: 5 Dec 2018 4:29

Instrument :
 BNA_G
 ClientSampleId :
 NON-UST-03R-C

Tgt Ion:142 Resp: 324414
 Ion Ratio Lower Upper
 142 100
 141 90.4 71.9 107.9
 115 39.2 27.8 41.8

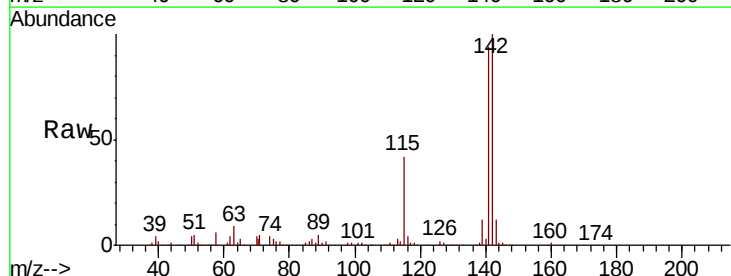


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

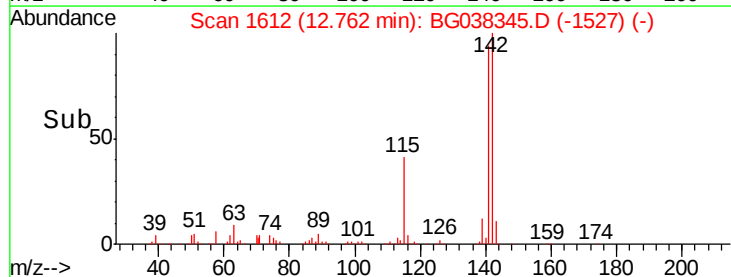
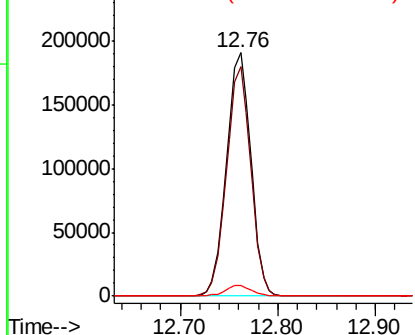


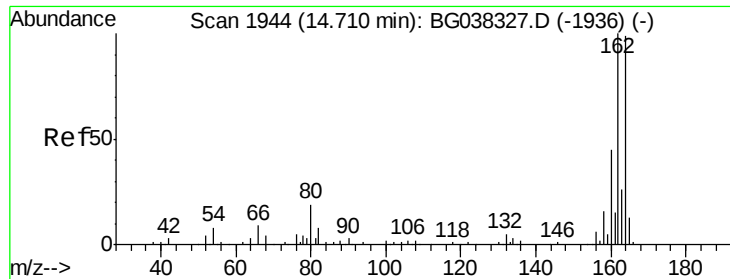
#38
 1-Methylnaphthalene
 Concen: 85.055 ng
 RT: 12.76 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: BG038345.D
 Acq: 5 Dec 2018 4:29

Tgt Ion:142 Resp: 331094
 Ion Ratio Lower Upper
 142 100
 141 94.4 75.2 112.8
 116 4.5 3.3 4.9



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.71 min Scan# 1943

Delta R.T. -0.00 min

Lab File: BG038345.D

Acq: 5 Dec 2018 4:29

Instrument :

BNA_G

ClientSampleId :

NON-UST-03R-C

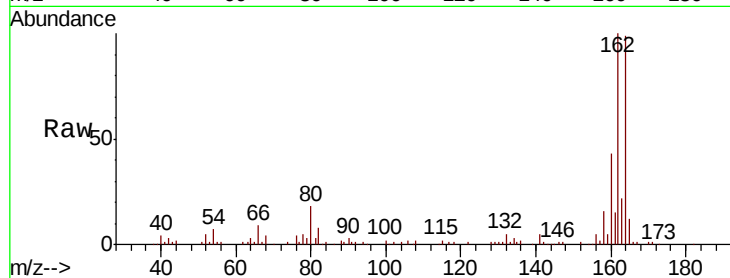
Tgt Ion:164 Resp: 75449

Ion Ratio Lower Upper

164 100

162 101.1 81.3 121.9

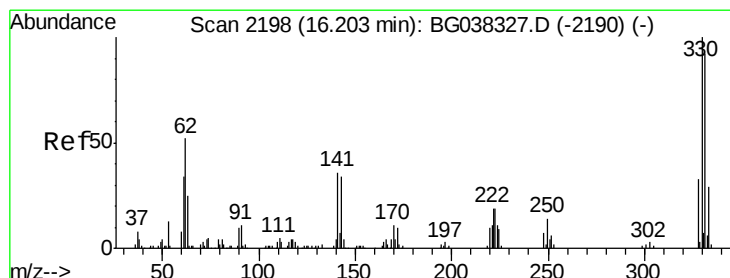
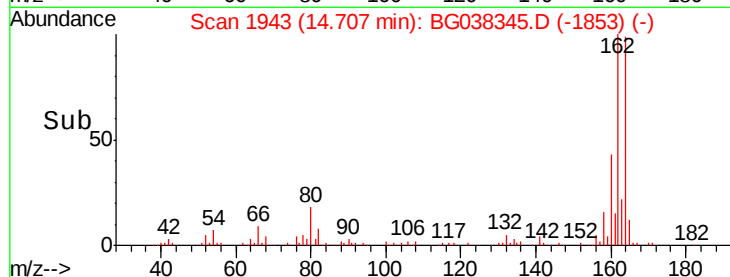
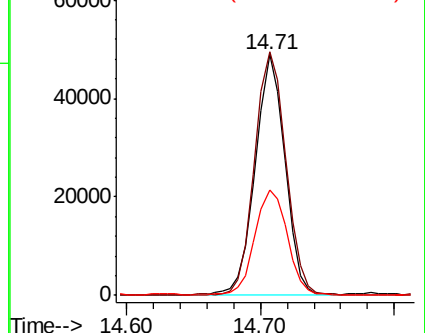
160 44.0 36.3 54.5



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: 132.769 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.00 min

Lab File: BG038345.D

Acq: 5 Dec 2018 4:29

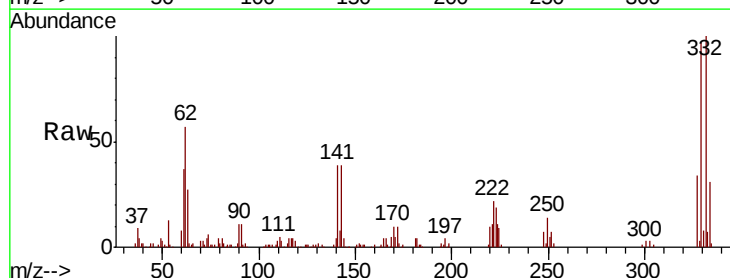
Tgt Ion:330 Resp: 122974

Ion Ratio Lower Upper

330 100

332 99.0 78.4 117.6

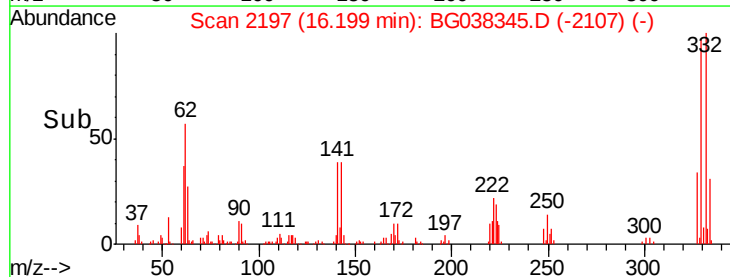
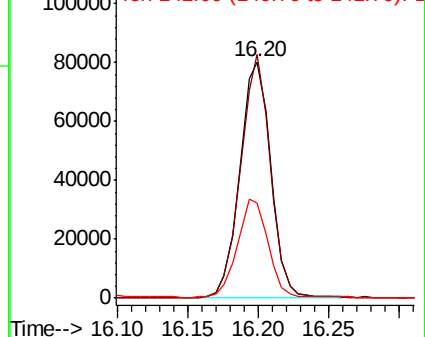
141 41.7 32.2 48.2

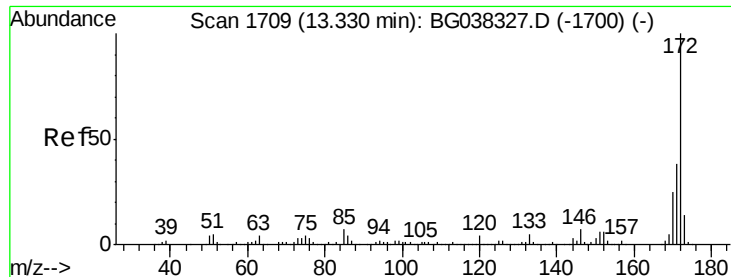


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

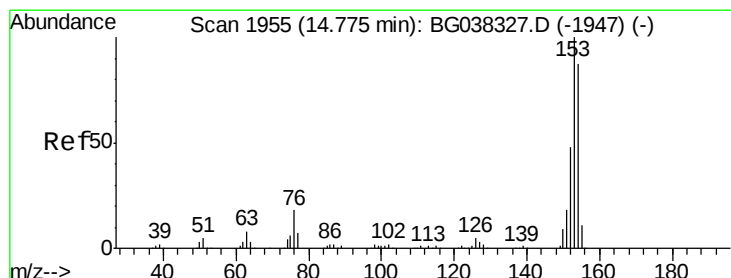
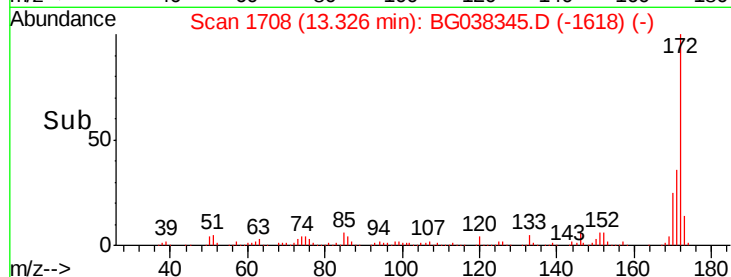
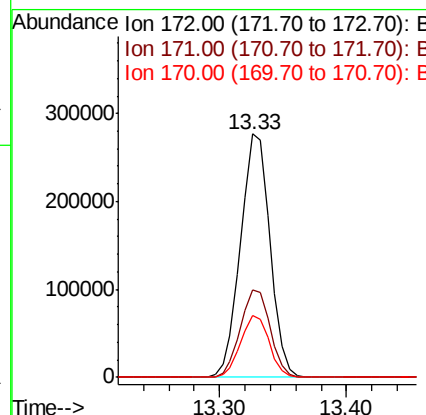
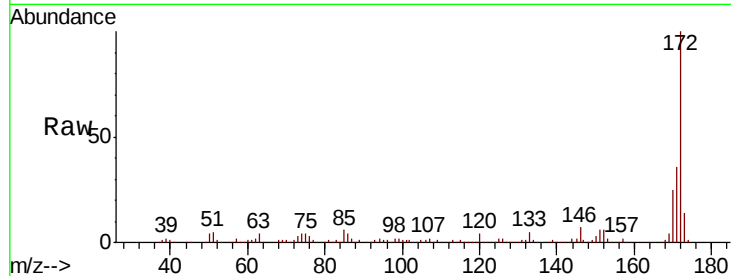




#45
 2-Fluorobiphenyl
 Concen: 83.993 ng
 RT: 13.33 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BG038345.D
 Acq: 5 Dec 2018 4:29

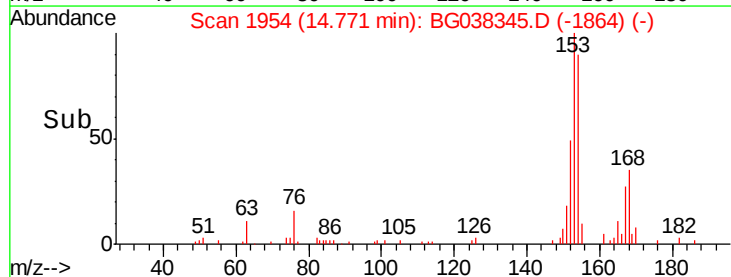
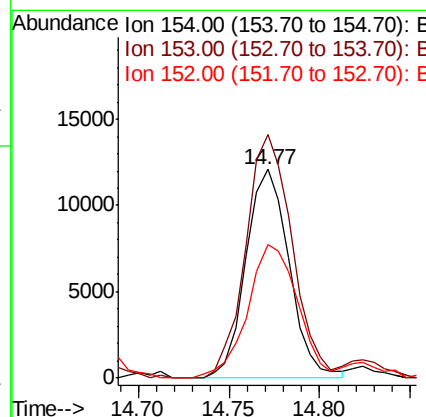
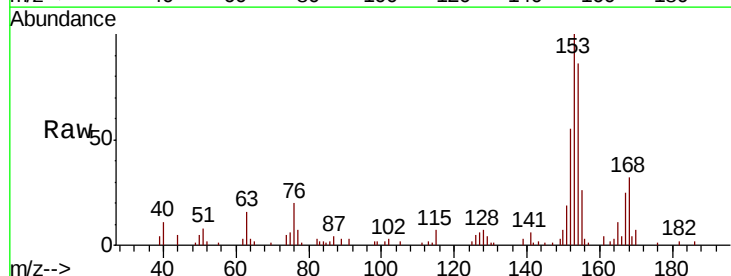
Instrument :
 BNA_G
 ClientSampleId :
 NON-UST-03R-C

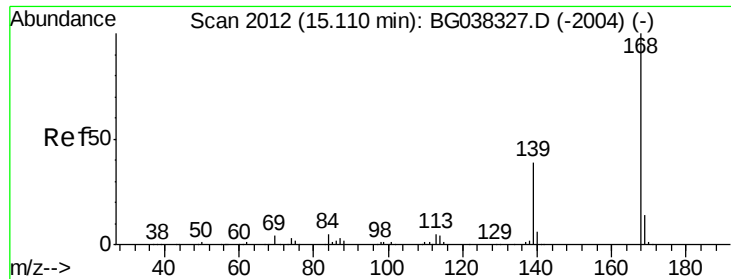
Tgt Ion:172 Resp: 444740
 Ion Ratio Lower Upper
 172 100
 171 35.8 31.0 46.4
 170 25.3 20.2 30.2



#52
 Acenaphthene
 Concen: 4.552 ng
 RT: 14.77 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: BG038345.D
 Acq: 5 Dec 2018 4:29

Tgt Ion:154 Resp: 20113
 Ion Ratio Lower Upper
 154 100
 153 116.7 93.4 140.0
 152 63.8 44.7 67.1

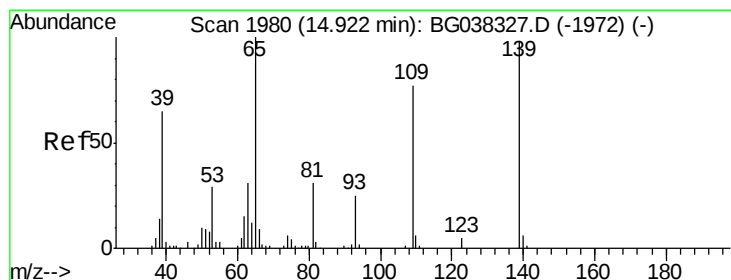
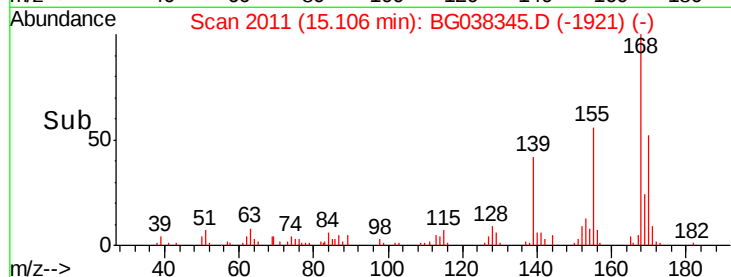
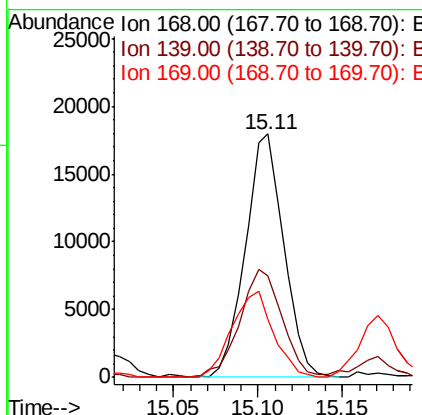
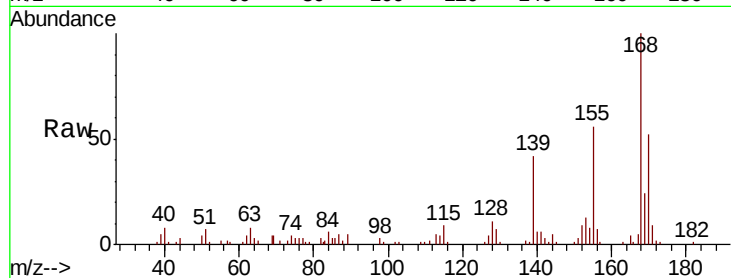




#55
Dibenzenofuran
Concen: 3.903 ng
RT: 15.11 min Scan# 2011
Delta R.T. -0.00 min
Lab File: BG038345.D
Acq: 5 Dec 2018 4:29

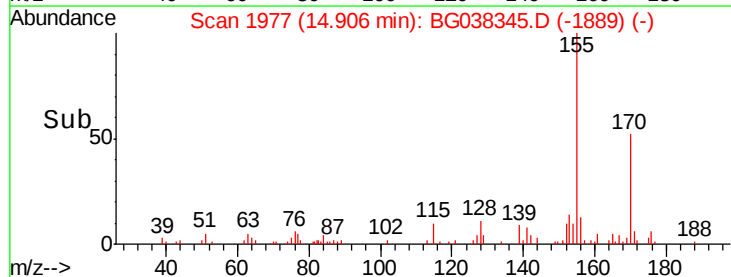
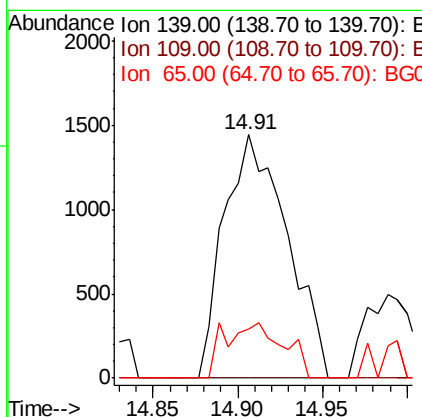
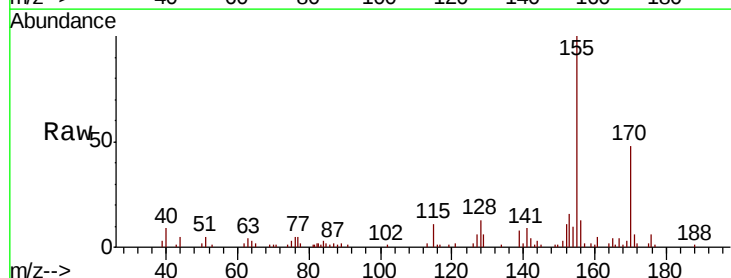
Instrument :
BNA_G
ClientSampleId :
NON-UST-03R-C

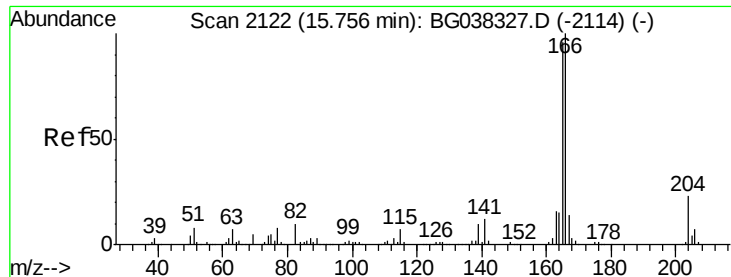
Tgt Ion:168 Resp: 28511
Ion Ratio Lower Upper
168 100
139 41.5 29.4 44.0
169 24.1 11.0 16.6#



#56
4-Nitrophenol
Concen: 3.183 ng
RT: 14.91 min Scan# 1977
Delta R.T. -0.02 min
Lab File: BG038345.D
Acq: 5 Dec 2018 4:29

Tgt Ion:139 Resp: 3744
Ion Ratio Lower Upper
139 100
109 0.0 49.5 89.5#
65 20.2 76.8 116.8#





#58

Fluorene

Concen: 7.070 ng

RT: 15.75 min Scan# 2121

Delta R.T. -0.00 min

Lab File: BG038345.D

Acq: 5 Dec 2018 4:29

Instrument :

BNA_G

ClientSampleId :

NON-UST-03R-C

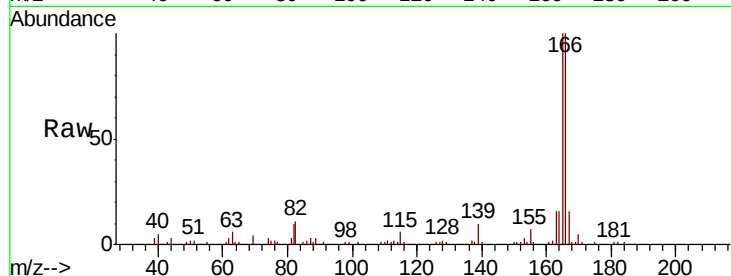
Tgt Ion:166 Resp: 38047

Ion Ratio Lower Upper

166 100

165 100.0 79.0 118.6

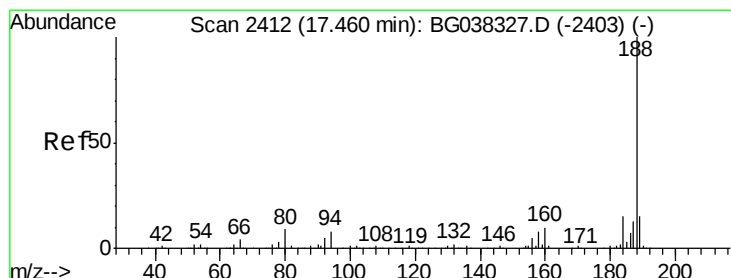
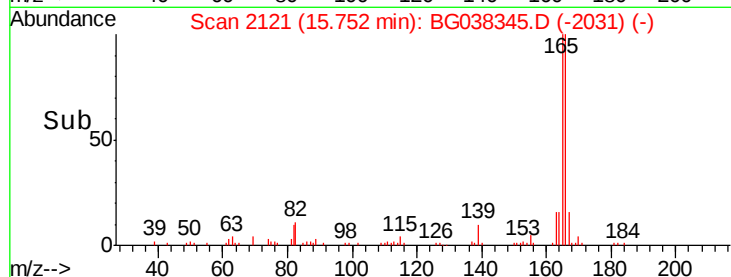
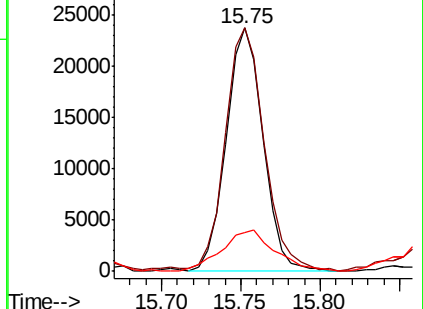
167 16.1 11.3 16.9



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.46 min Scan# 2411

Delta R.T. -0.00 min

Lab File: BG038345.D

Acq: 5 Dec 2018 4:29

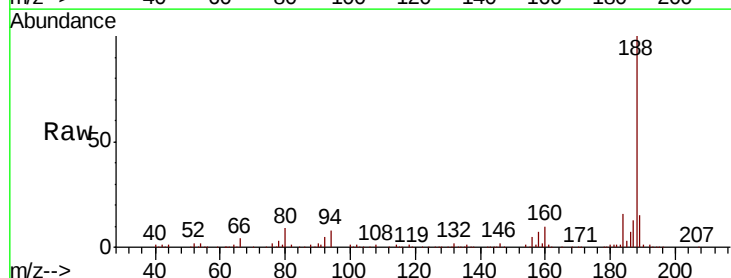
Tgt Ion:188 Resp: 187530

Ion Ratio Lower Upper

188 100

94 8.0 7.2 10.8

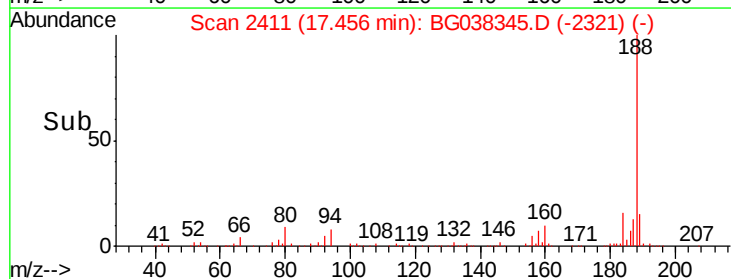
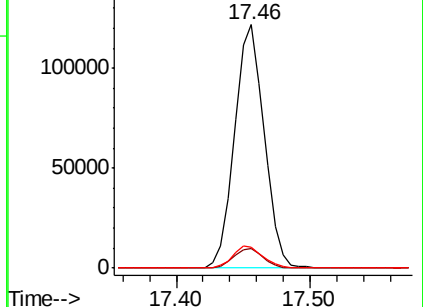
80 8.7 7.7 11.5

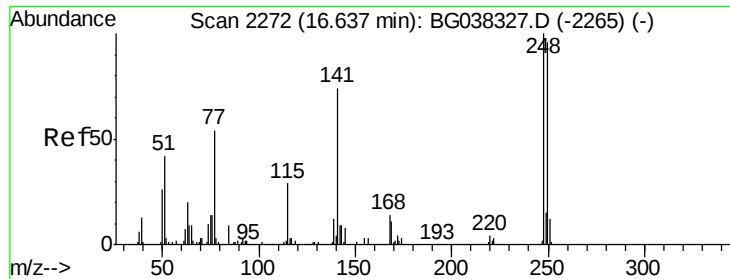


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

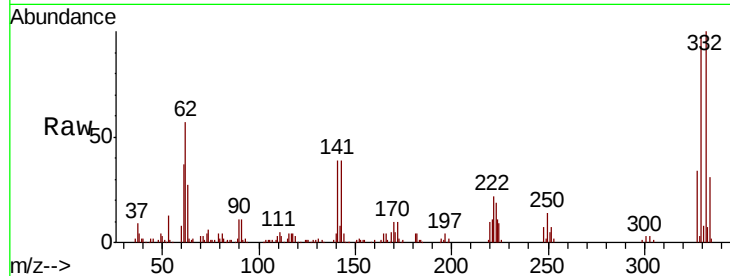




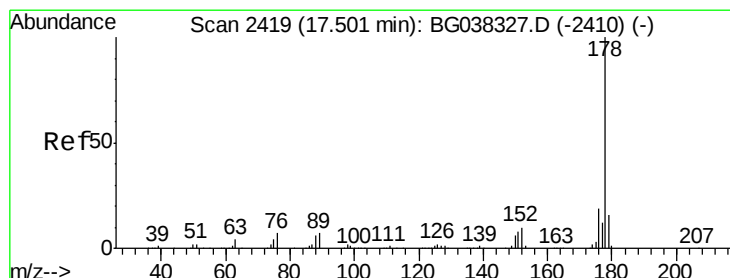
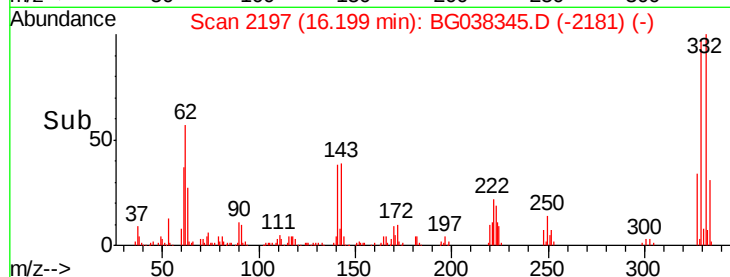
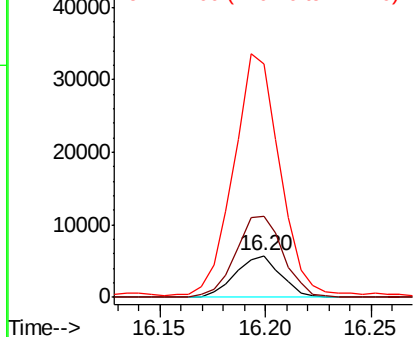
#67
 4-Bromophenyl-phenylether
 Concen: 4.215 ng
 RT: 16.20 min Scan# 2197
 Delta R.T. -0.44 min
 Lab File: BG038345.D
 Acq: 5 Dec 2018 4:29

Instrument :
 BNA_G
 ClientSampleId :
 NON-UST-03R-C

Tgt Ion:248 Resp: 8535
 Ion Ratio Lower Upper
 248 100
 250 204.9 77.0 115.6#
 141 440.5 55.5 83.3#

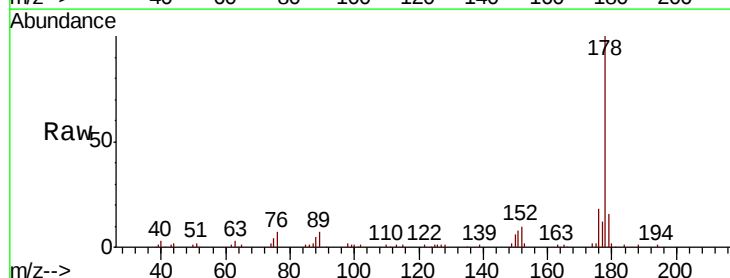


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

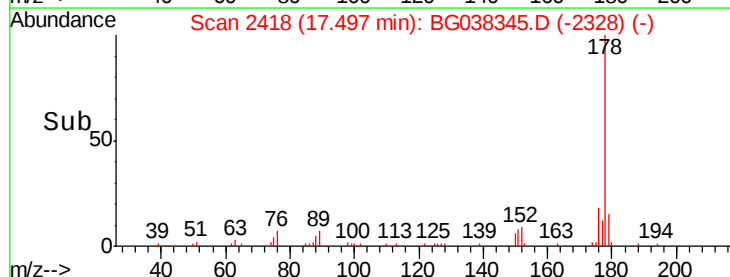
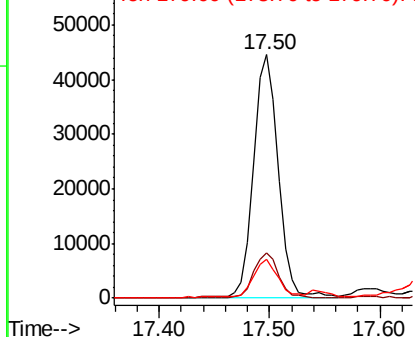


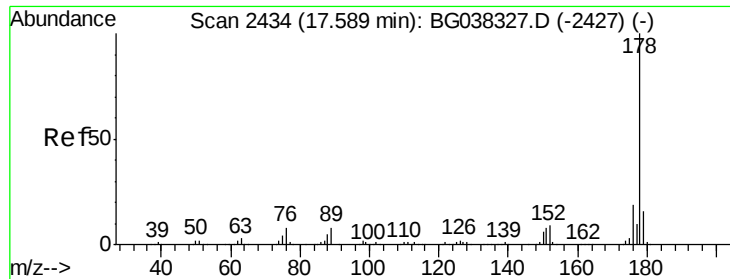
#71
 Phenanthrene
 Concen: 7.531 ng
 RT: 17.50 min Scan# 2418
 Delta R.T. -0.00 min
 Lab File: BG038345.D
 Acq: 5 Dec 2018 4:29

Tgt Ion:178 Resp: 70723
 Ion Ratio Lower Upper
 178 100
 176 18.3 16.1 24.1
 179 15.7 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

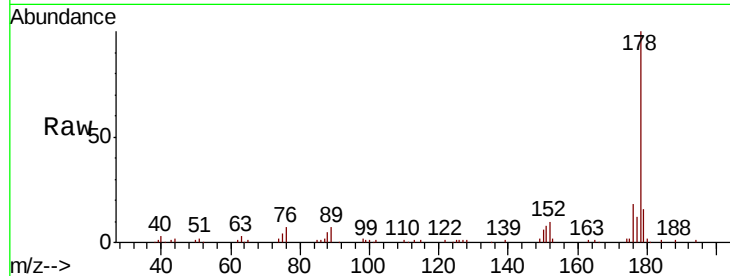




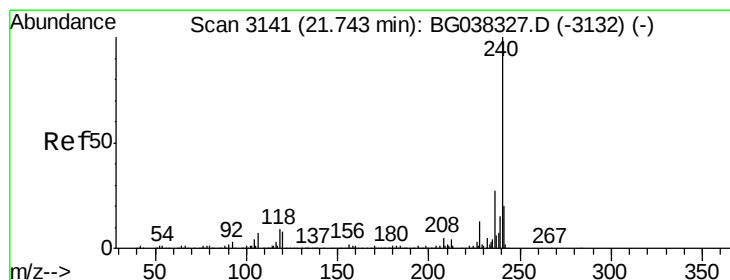
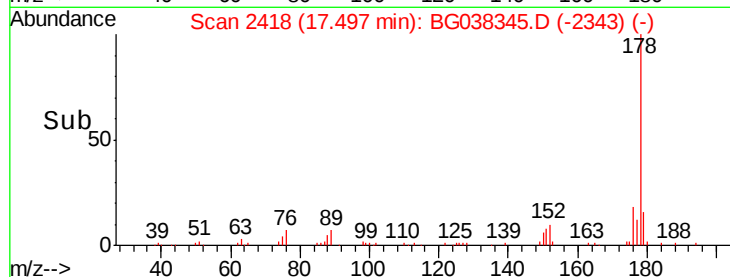
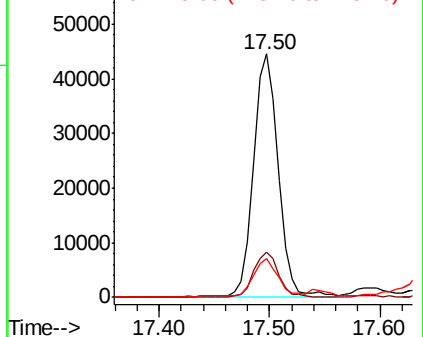
#72
 Anthracene
 Concen: 7.776 ng
 RT: 17.50 min Scan# 2418
 Delta R.T. -0.09 min
 Lab File: BG038345.D
 Acq: 5 Dec 2018 4:29

Instrument :
 BNA_G
 ClientSampleId :
 NON-UST-03R-C

Tgt Ion:178 Resp: 70723
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.0 22.4
 179 15.7 12.8 19.2

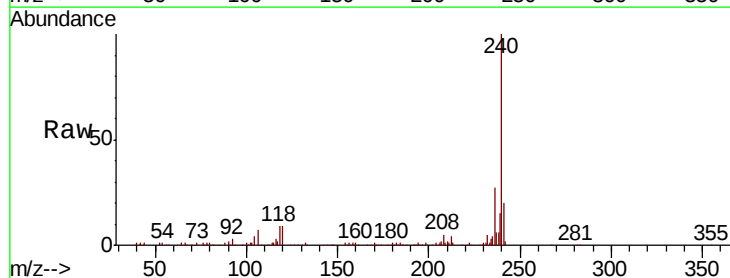


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

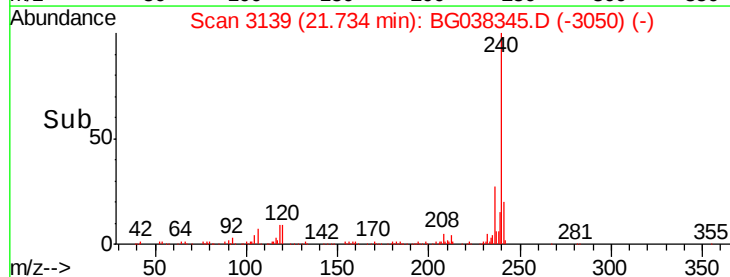
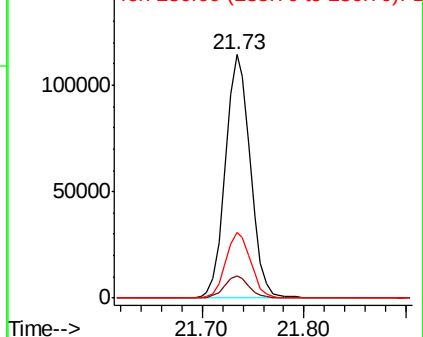


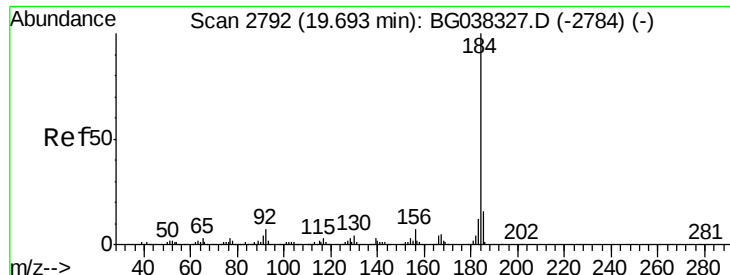
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.73 min Scan# 3139
 Delta R.T. -0.01 min
 Lab File: BG038345.D
 Acq: 5 Dec 2018 4:29

Tgt Ion:240 Resp: 194230
 Ion Ratio Lower Upper
 240 100
 120 9.1 8.1 12.1
 236 27.1 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: 2.013 ng

RT: 20.05 min Scan# 2853

Delta R.T. 0.36 min

Lab File: BG038345.D

Acq: 5 Dec 2018 4:29

Instrument :

BNA_G

ClientSampleId :

NON-UST-03R-C

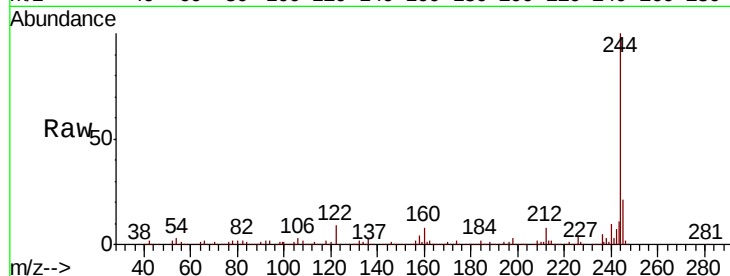
Tgt Ion:184 Resp: 13192

Ion Ratio Lower Upper

184 100

185 14.9 12.6 18.8

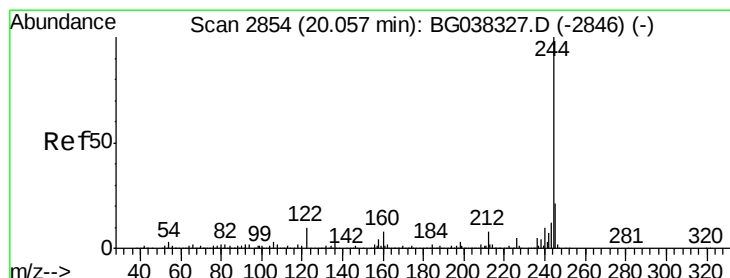
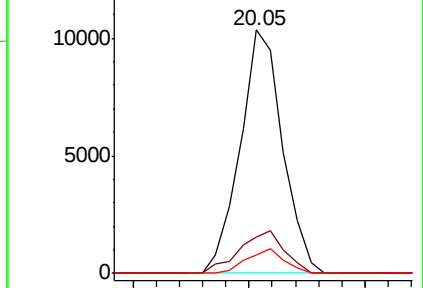
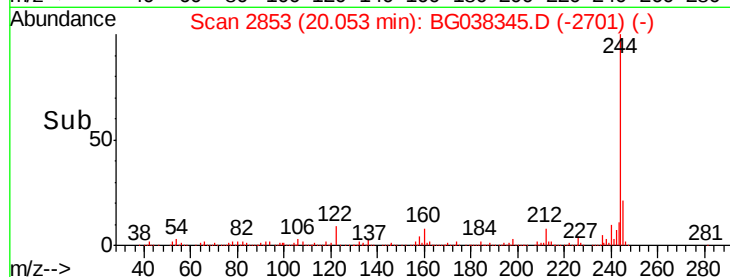
183 7.7 10.2 15.2#



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: 86.581 ng

RT: 20.06 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG038345.D

Acq: 5 Dec 2018 4:29

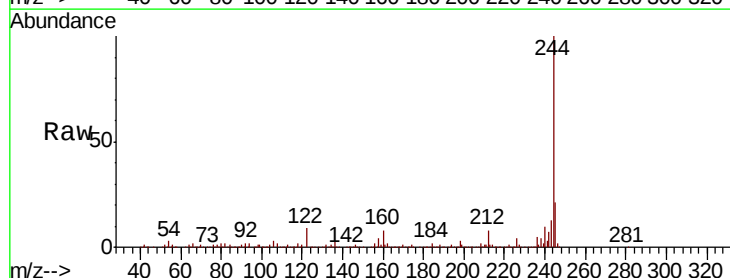
Tgt Ion:244 Resp: 784995

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

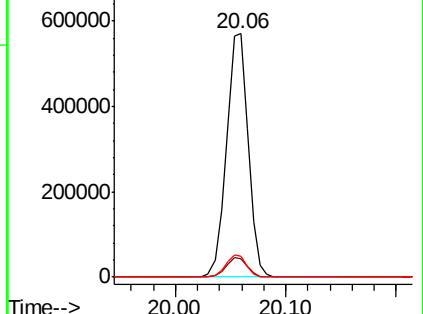
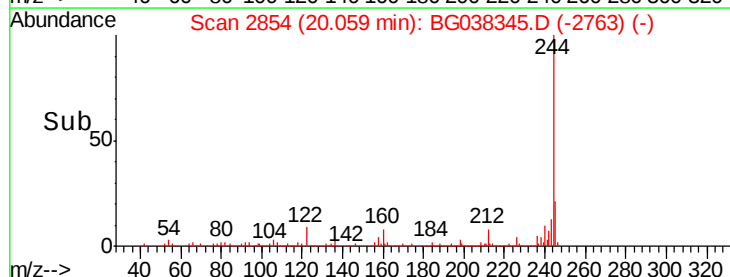
122 8.6 9.0 13.4#

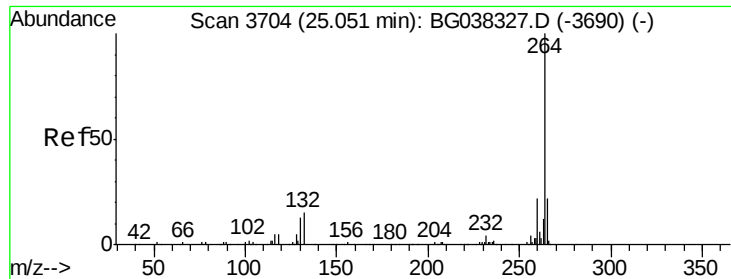


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG038345.D
Acq: 5 Dec 2018 4:29

Instrument :
BNA_G
ClientSampleId :
NON-UST-03R-C

Tgt Ion: 264 Resp: 203219

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.2	27.4
265	21.2	17.9	26.9

