

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

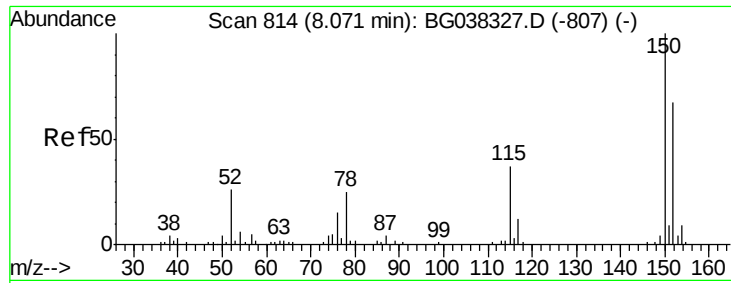
Instrument :
 BNA_G
 ClientSampleId :
 NON-UST-03R-C

Quant Time: Dec 05 07:22:32 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						
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						
31) Naphthalene	10.94	128	61606	10.795	ng	Qvalue 97
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
58) Fluorene	15.75	166	38047	7.070	ng	98
71) Phenanthrene	17.50	178	70723	7.531	ng	97

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

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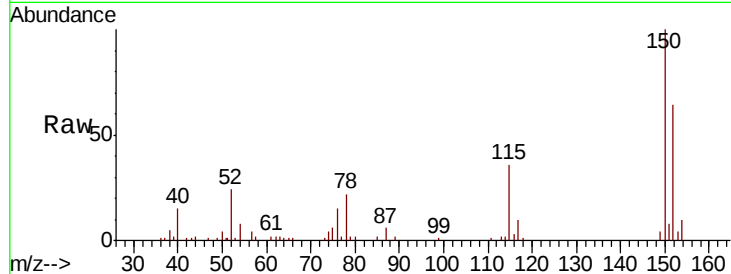


#1

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.0	189.0
115	55.9	45.5	68.3

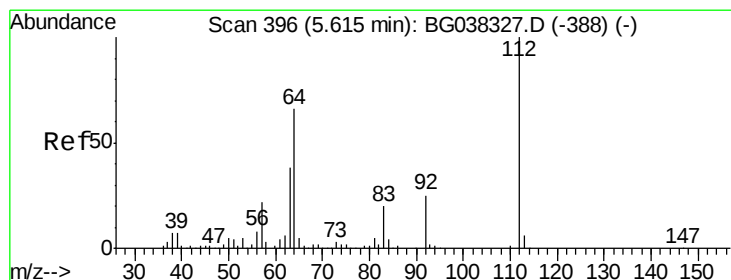
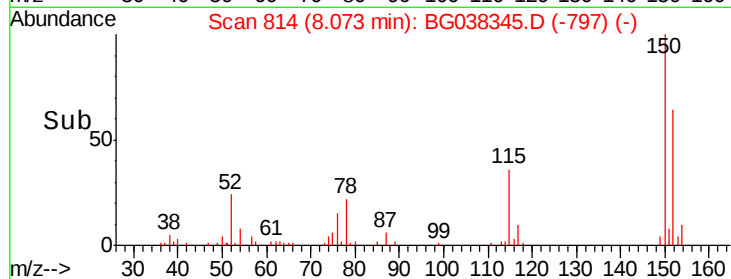
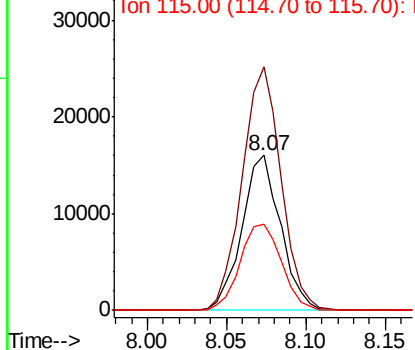


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

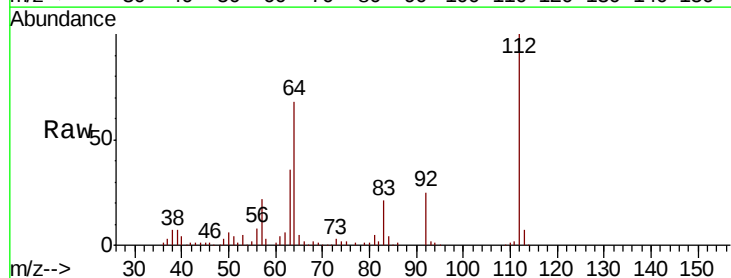
Ion 115.00 (114.70 to 115.70): E



#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	Ratio	Lower	Upper
112	100		
64	68.1	53.1	79.7
63	35.9	27.3	40.9

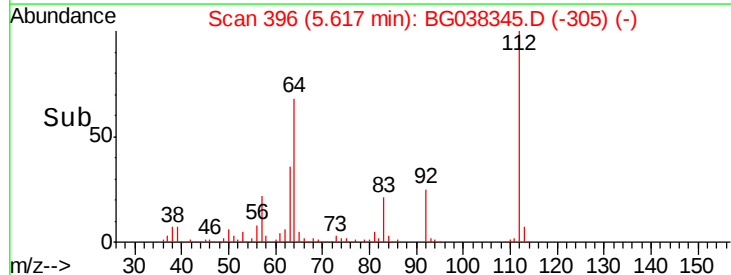
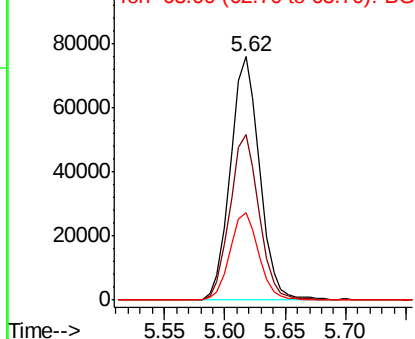


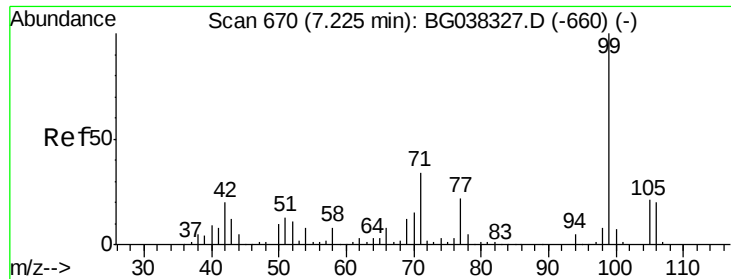
Abundance

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

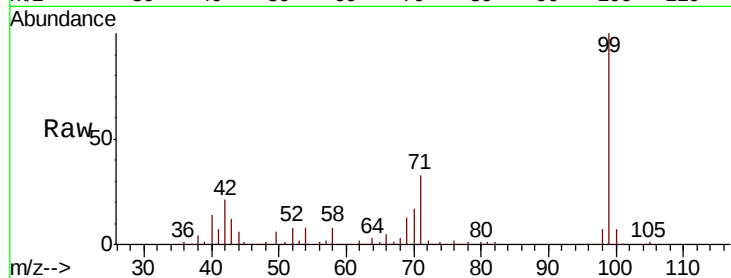
Tot Ion: 99 Resp: 115524

Ion Ratio Lower Upper

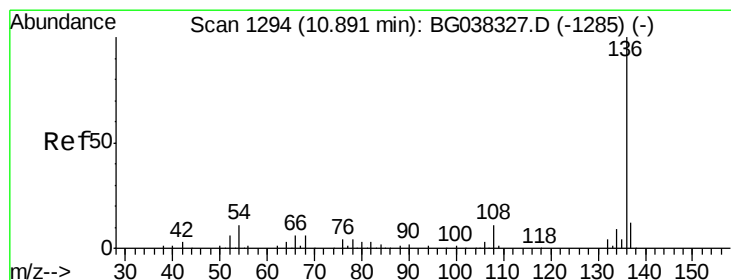
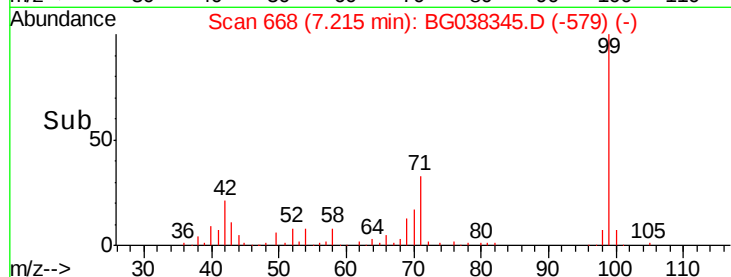
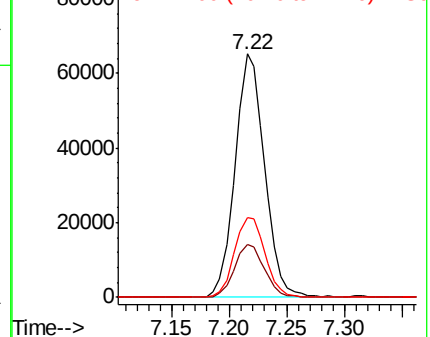
99 100

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



#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

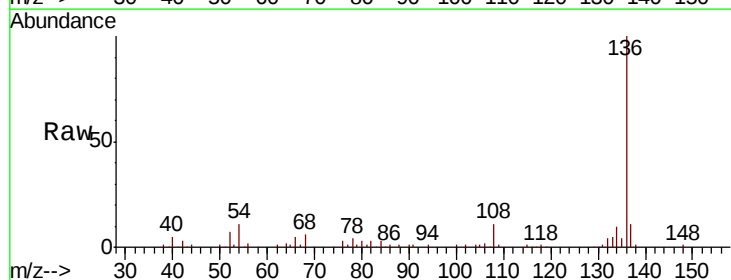
Ion Ratio Lower Upper

136 100

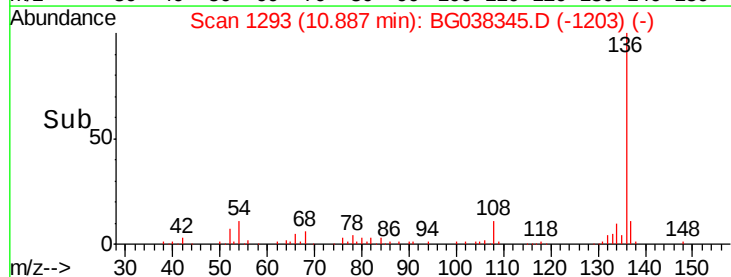
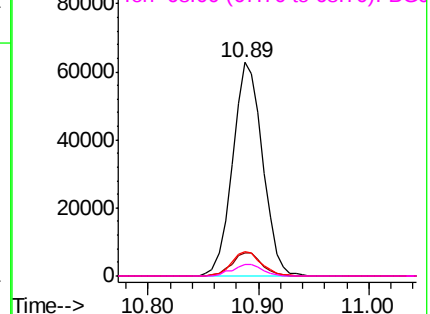
137 11.0 9.6 14.4

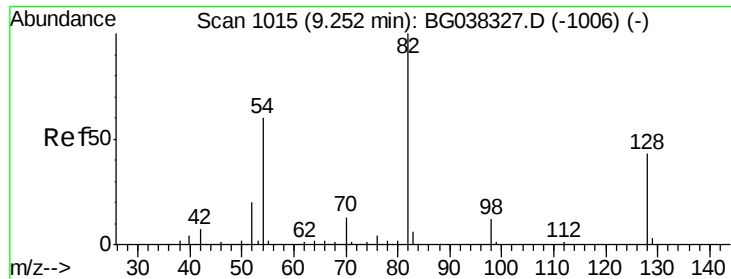
54 11.3 7.9 11.9

68 5.6 4.8 7.2



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





#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

Instrument :

BNA_G

ClientSampleId :

NON-UST-03R-C

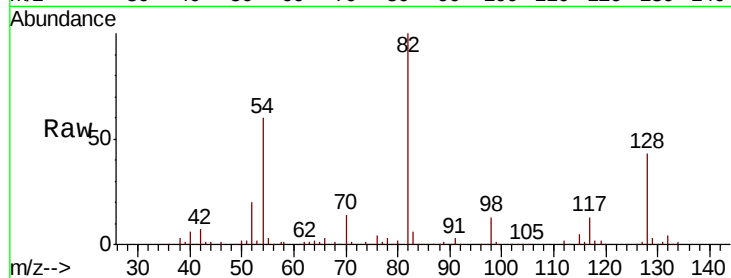
Tot Ion: 82 Resp: 198937

Ion Ratio Lower Upper

82 100

128 43.2 34.6 51.8

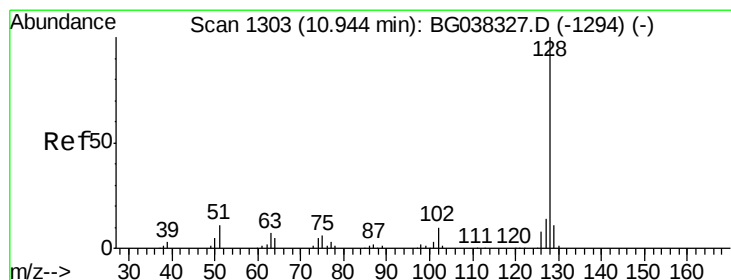
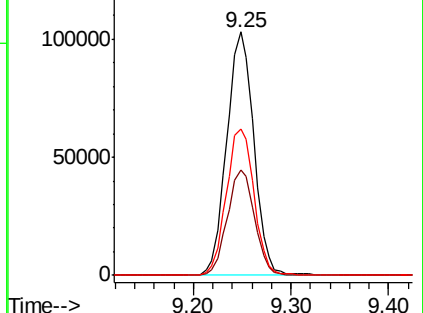
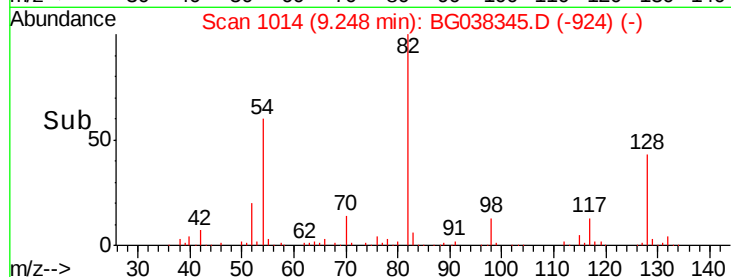
54 60.1 45.3 67.9



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

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

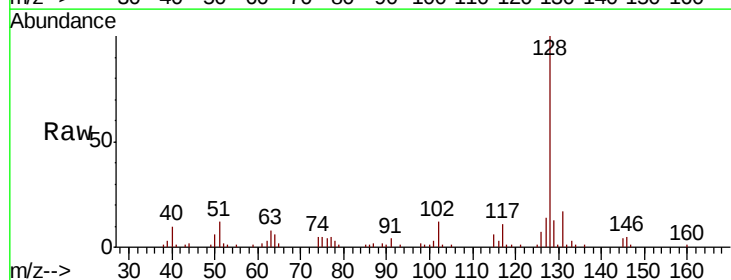
Tgt Ion: 128 Resp: 61606

Ion Ratio Lower Upper

128 100

129 13.0 9.0 13.6

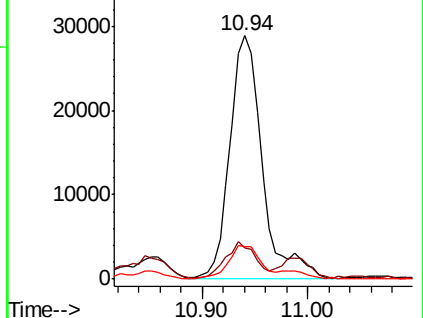
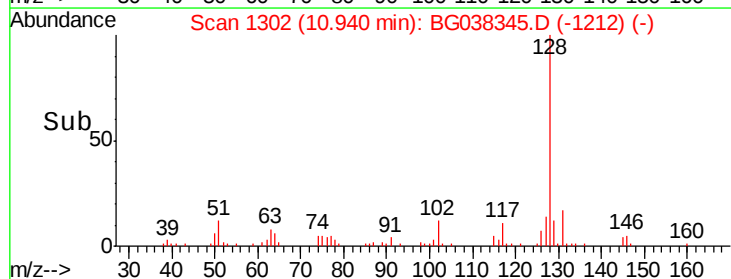
127 13.5 11.1 16.7

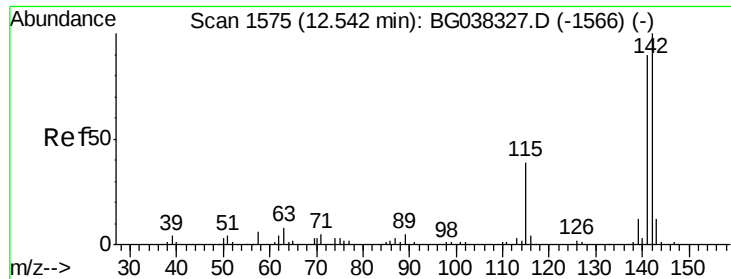


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC

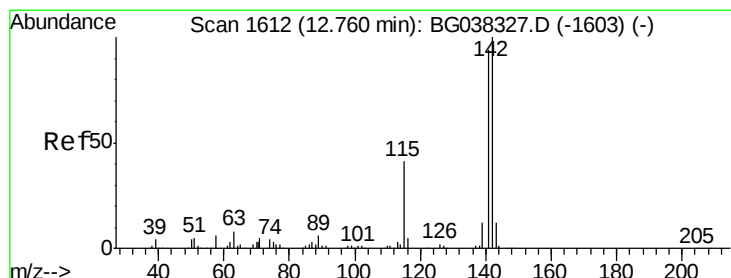
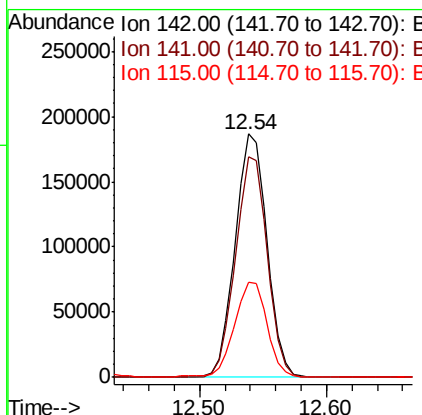
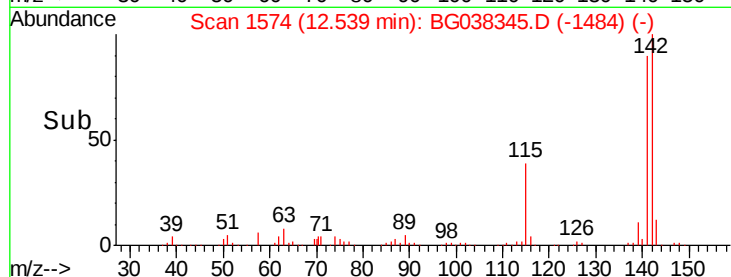
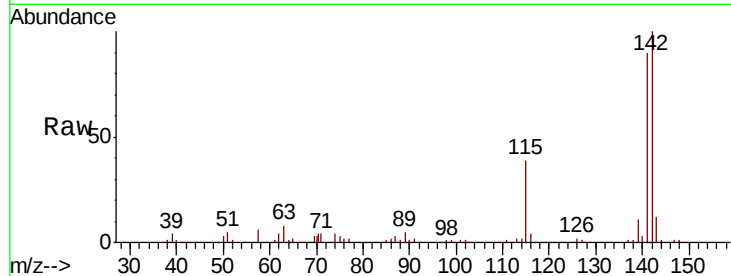




#37
2-Methylnaphthalene
Concen: 79.819 ng
RT: 12.54 min Scan# 1574
Delta R.T. -0.00 min
Lab File: BG038345.D
Acq: 5 Dec 2018 4:29

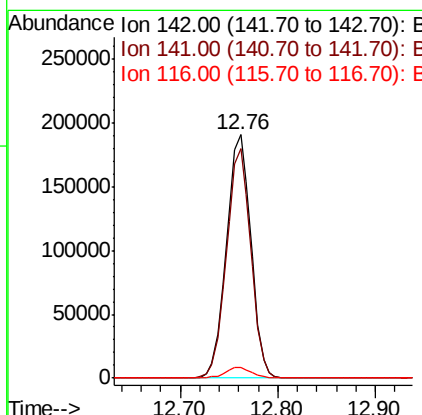
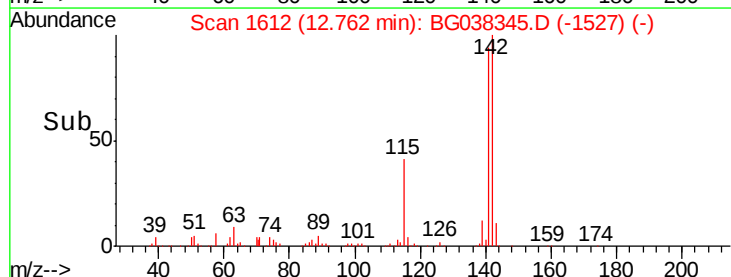
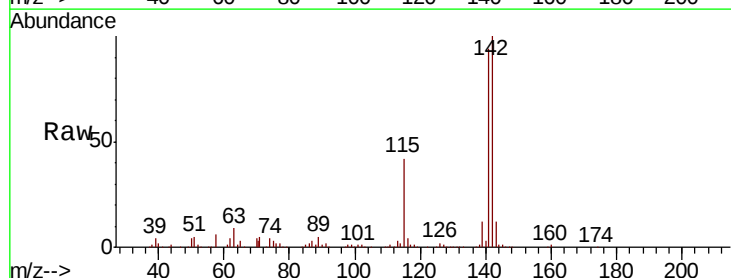
Instrument :
BNA_G
ClientSampleId :
NON-UST-03R-C

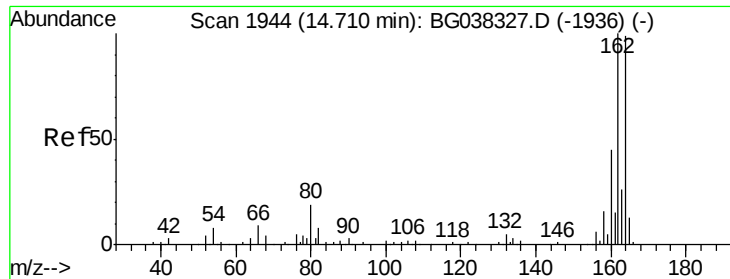
Tot Ion:142 Resp: 324414
Ion Ratio Lower Upper
142 100
141 90.4 71.9 107.9
115 39.2 27.8 41.8



#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

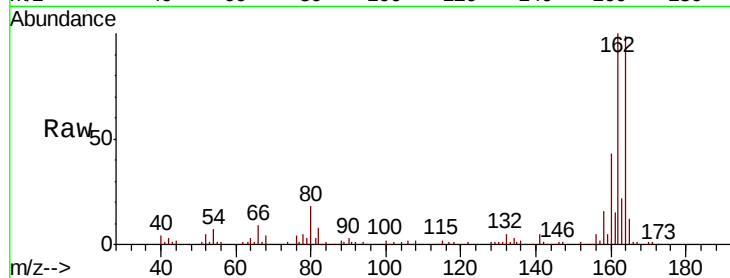




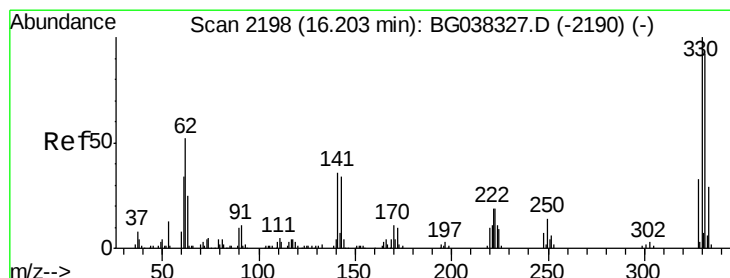
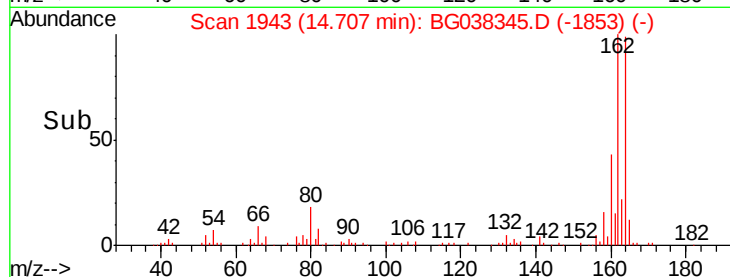
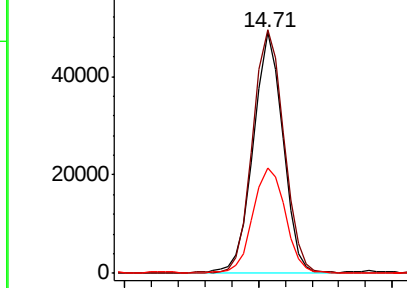
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.71 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: BG038345.D
 Acq: 5 Dec 2018 4:29

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

Tot Ion:164 Resp: 75449
 Ion Ratio Lower Upper
 164 100
 162 101.1 81.3 121.9
 160 44.0 36.3 54.5

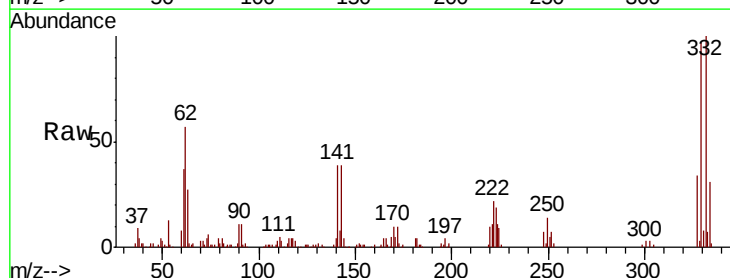


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

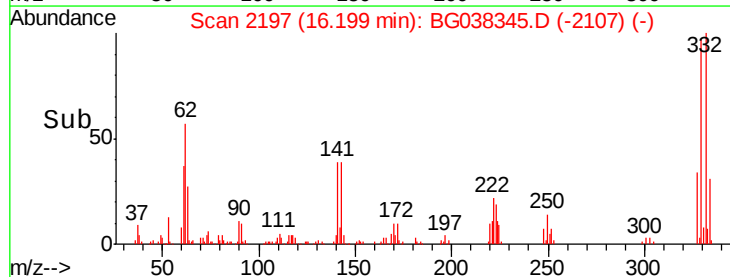
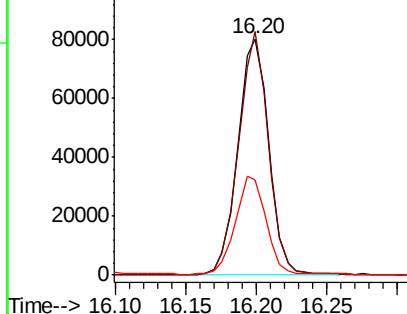


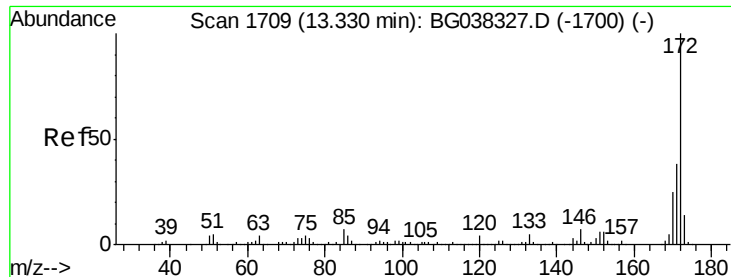
#42
 2,4,6-Tribromophenol
 Concen: 132.769 ng
 RT: 16.20 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: BG038345.D
 Acq: 5 Dec 2018 4:29

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

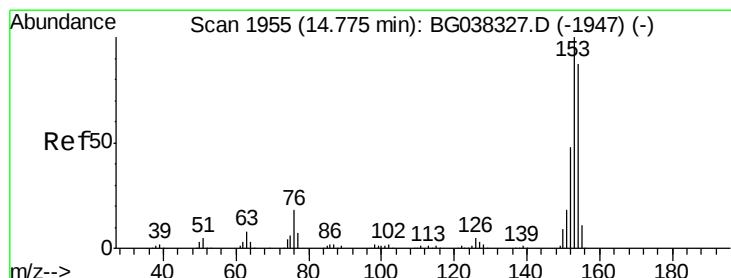
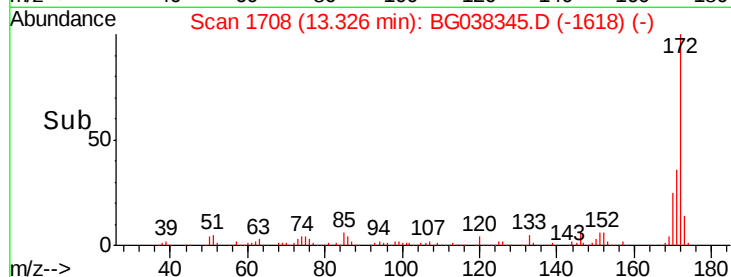
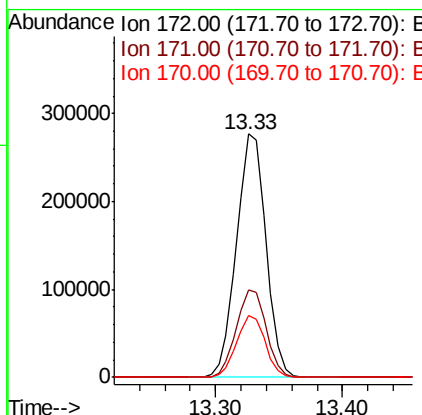
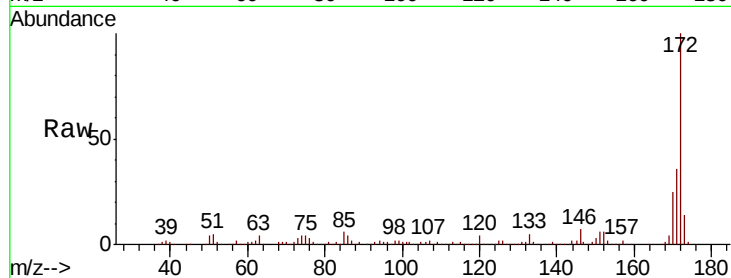




#45
 2-Fluorobiphenyl
 Concen: 83.993 ng
 RT: 13.33 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BG038345.D
 Acq: 5 Dec 2018 4:29

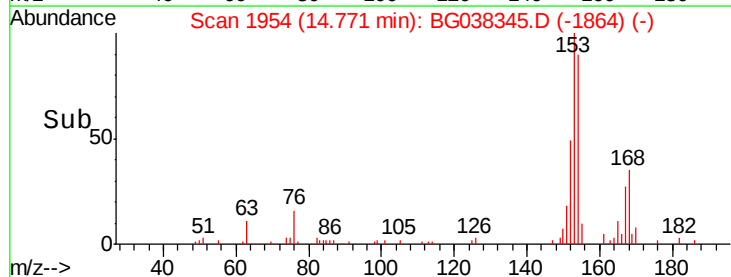
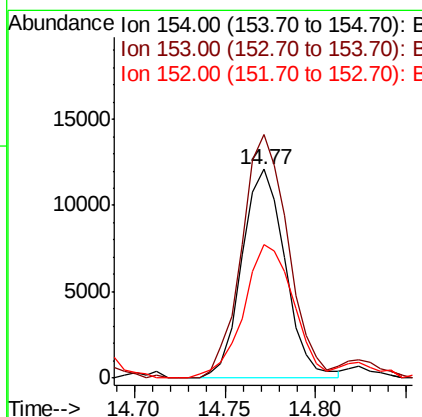
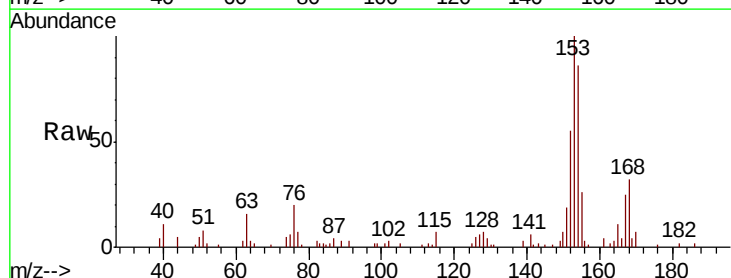
Instrument :
 BNA_G
 ClientSampleId :
 NON-UST-03R-C

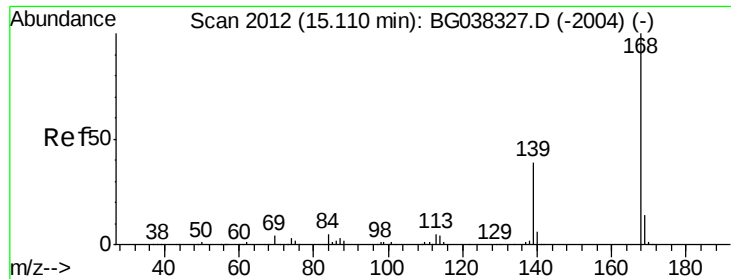
Tot Ion:172 Resp: 444740
 Ion Ratio Lower Upper
 172 100
 171 35.8 31.0 46.4
 170 25.3 20.2 30.2



#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

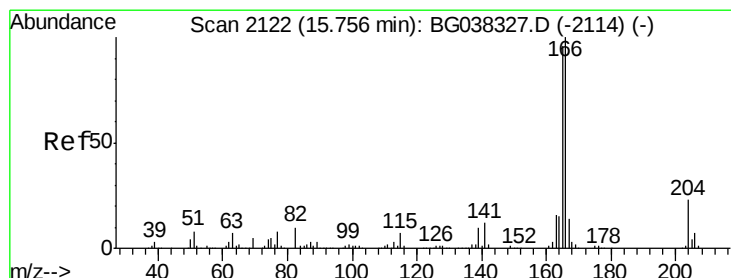
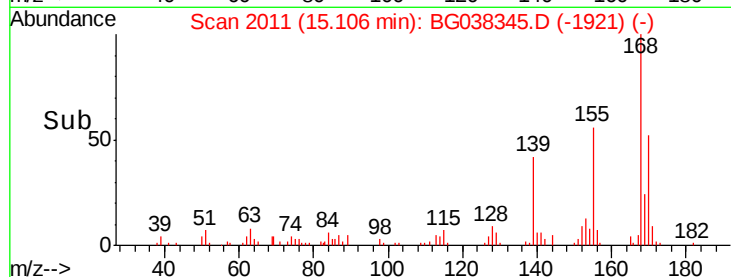
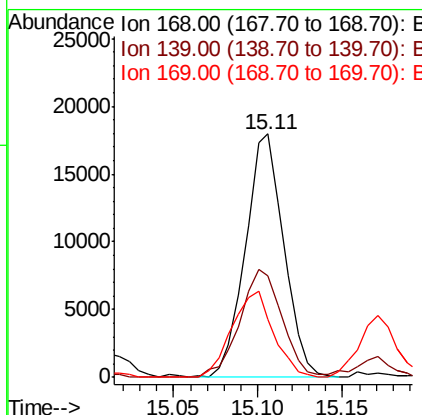
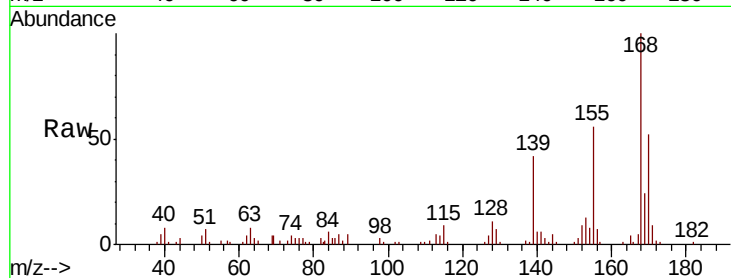




#55
Dibenzenofuran
Concen: 3.903 ng
RT: 15.11 min Scan# 2011
Delta R.T. -0.00 min
Lab File: BG038345.D
Acq: 5 Dec 2018 4:29

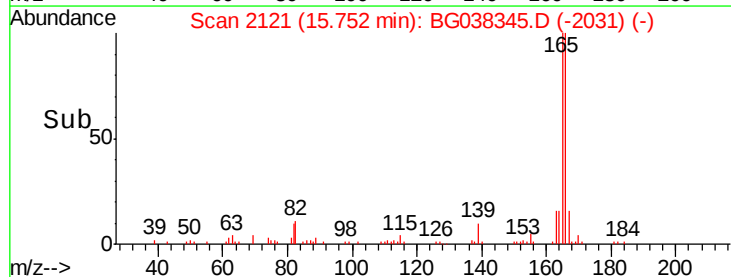
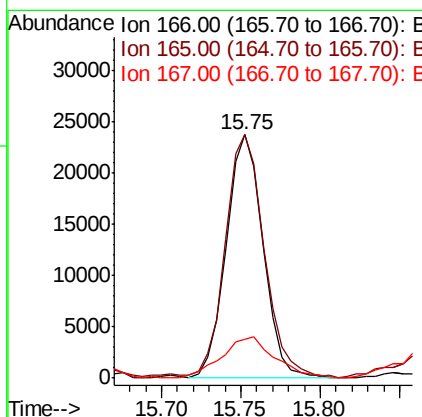
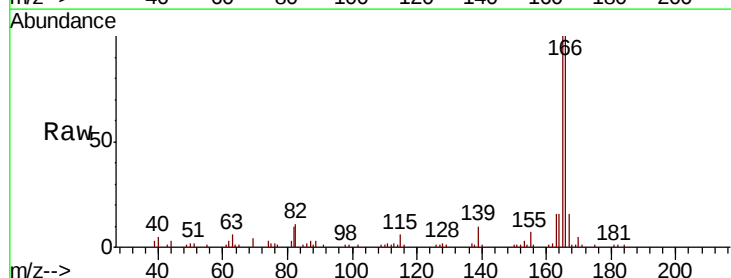
Instrument :
BNA_G
ClientSampleId :
NON-UST-03R-C

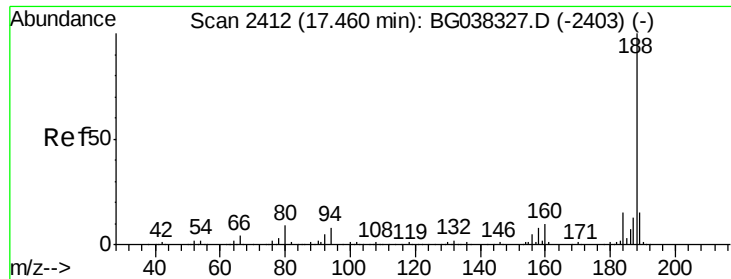
Tot Ion:168 Resp: 28511
Ion Ratio Lower Upper
168 100
139 41.5 29.4 44.0
169 24.1 11.0 16.6#



#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

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

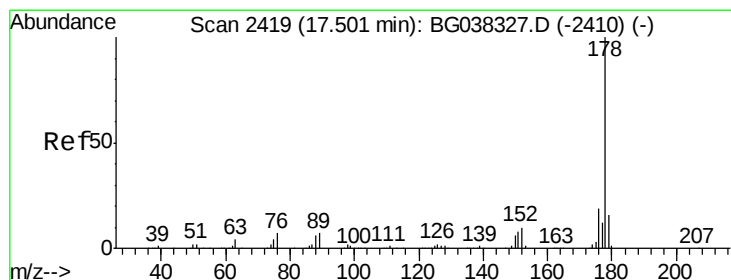
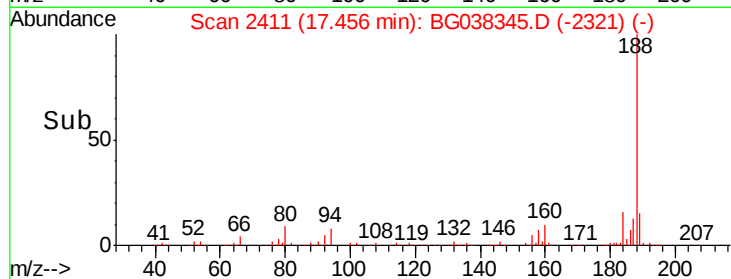
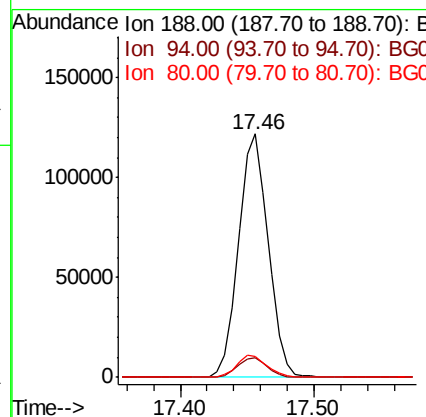
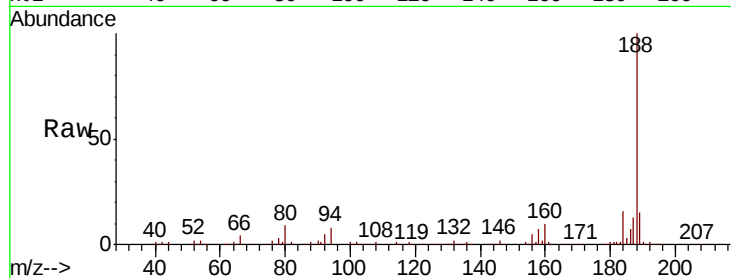




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.46 min Scan# 2411
Delta R.T. -0.00 min
Lab File: BG038345.D
Acq: 5 Dec 2018 4:29

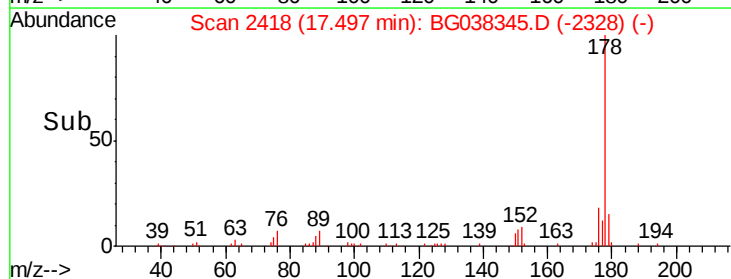
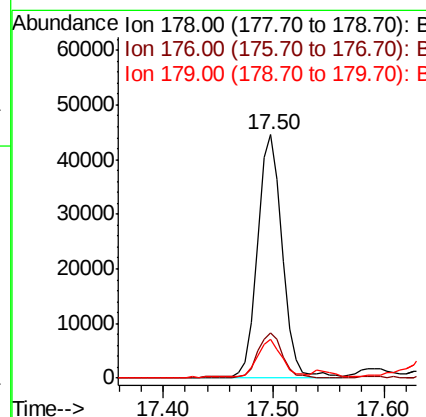
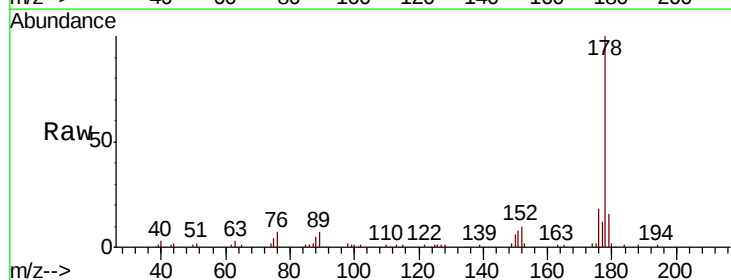
Instrument :
BNA_G
ClientSampleId :
NON-UST-03R-C

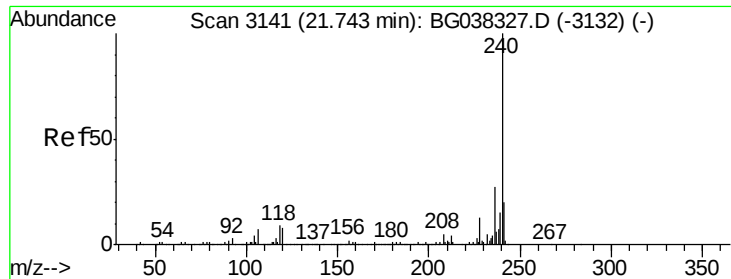
Tot Ion:188 Resp: 187530
Ion Ratio Lower Upper
188 100
94 8.0 7.2 10.8
80 8.7 7.7 11.5



#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

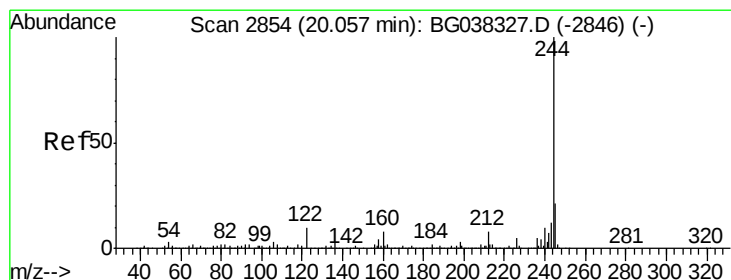
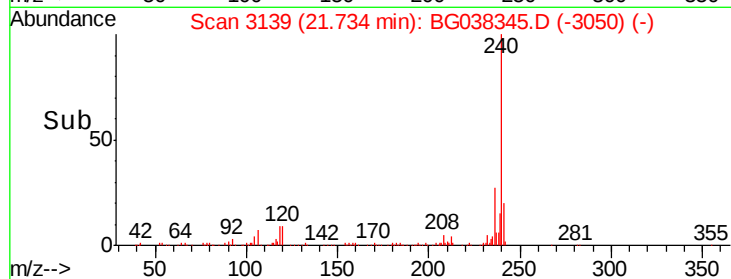
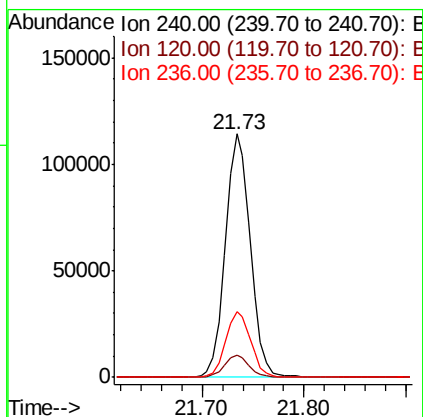
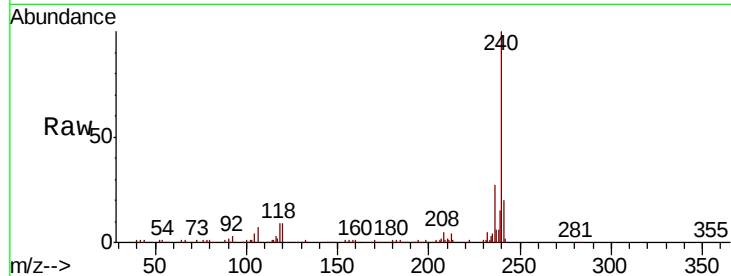




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BG038345.D
Acq: 5 Dec 2018 4:29

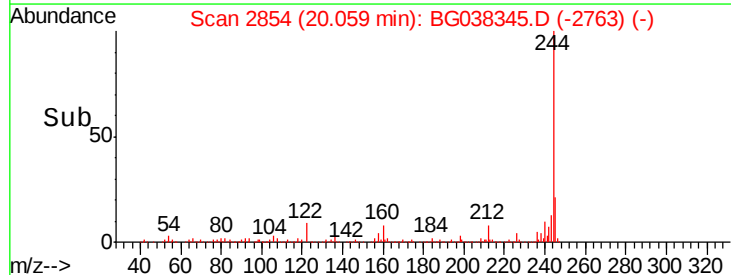
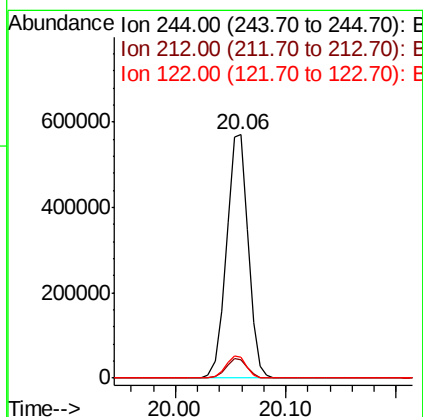
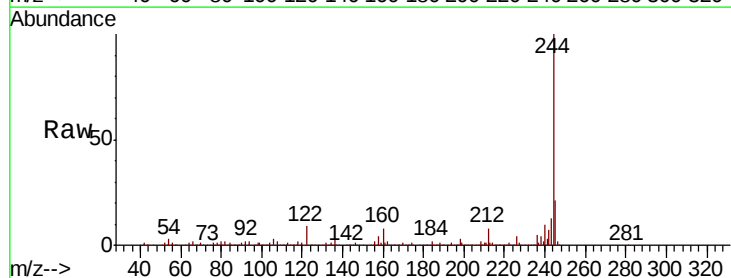
Instrument :
BNA_G
ClientSampleId :
NON-UST-03R-C

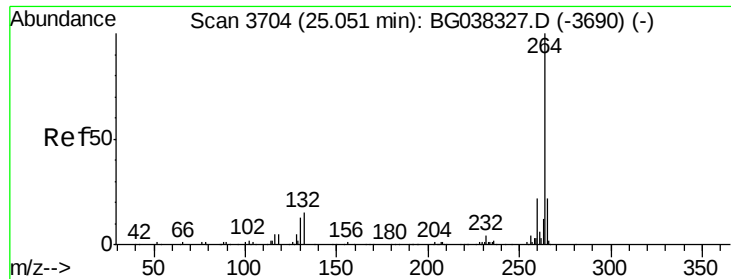
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.1	8.1	12.1
236	27.1	21.4	32.0



#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	Ratio	Lower	Upper
244	100		
212	7.7	6.5	9.7
122	8.6	9.0	13.4#





#87
Pervlene-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

Tot Ion: 264 Resp: 203219

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

