

Data File : BG042279.D
Acq On : 17 Aug 2019 3:36
Operator : HP/JU
Sample : K4272-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
2S-G1-G4-(1)

Quant Time: Aug 17 05:39:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 08:57:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	53518	20.00	ng	-0.03
21) Naphthalene-d8	10.84	136	202456	20.00	ng	-0.03
39) Acenaphthene-d10	14.67	164	146666	20.00	ng	-0.03
64) Phenanthrene-d10	17.42	188	380351	20.00	ng	-0.03
76) Chrysene-d12	21.71	240	445191	20.00	ng	-0.03
87) Perylene-d12	24.96	264	520789	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
42) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
45) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
79) Terphenyl-d14	20.05	244	489	0.03	ng	-0.02

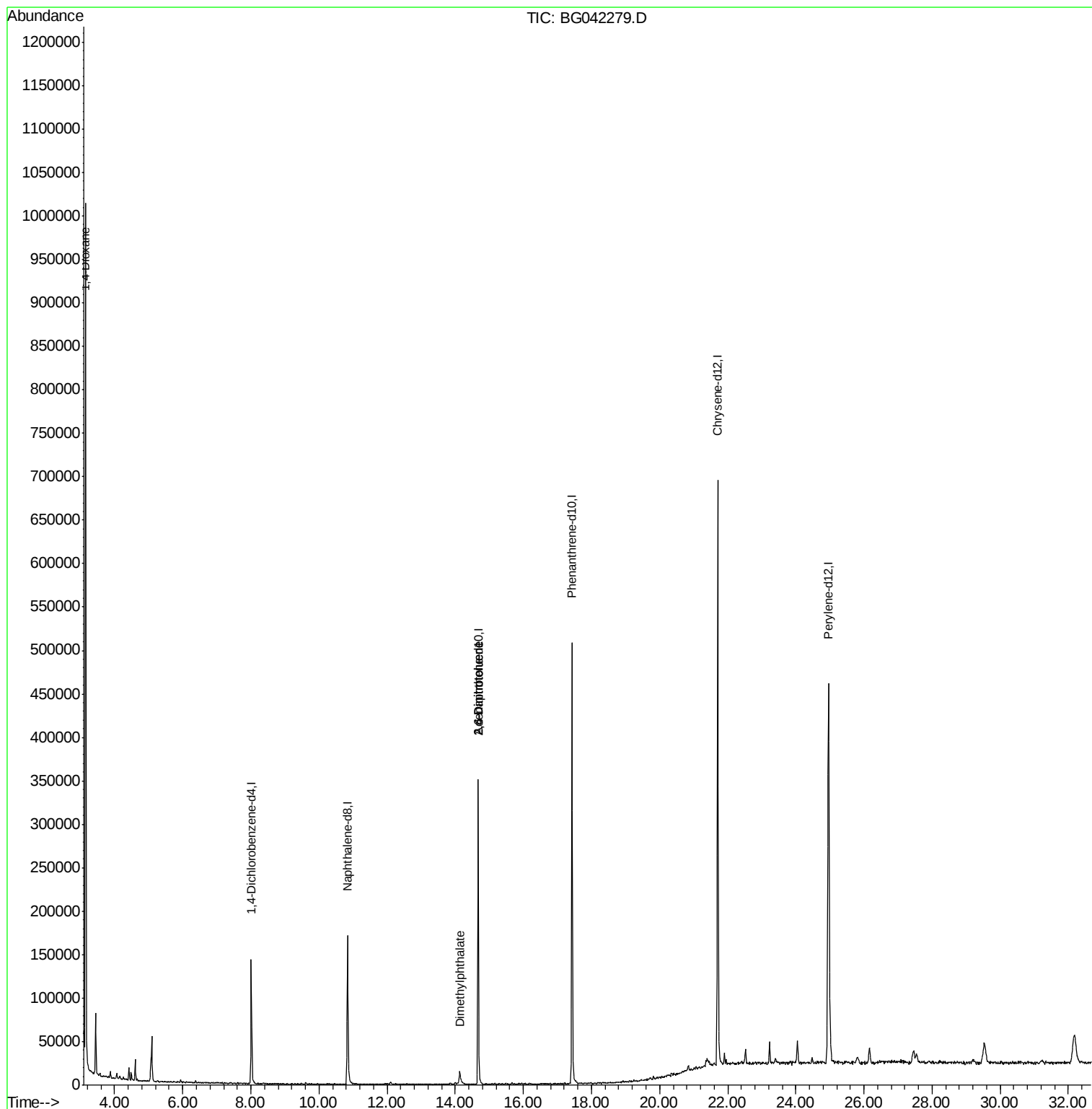
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.15	88	10674	8.245	ng	# 1
50) Dimethylphthalate	14.13	163	26052	2.601	ng	# 96
51) 2,6-Dinitrotoluene	14.67	165	19214	9.174	ng	# 27
57) 2,4-Dinitrotoluene	14.67	165	19214	6.671	ng	# 28

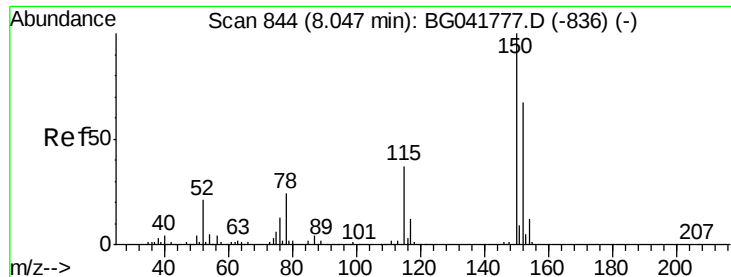
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 839

Delta R.T. -0.03 min

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Instrument :

BNA_G

ClientSampleId :

2S-G1-G4-(1)

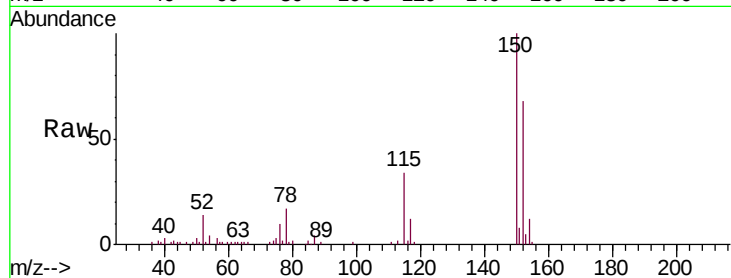
Tgt Ion:152 Resp: 53518

Ion Ratio Lower Upper

152 100

150 147.8 126.9 190.3

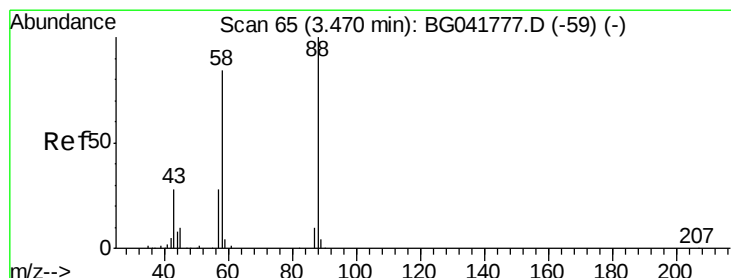
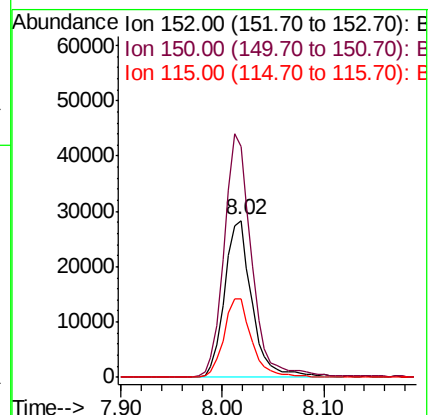
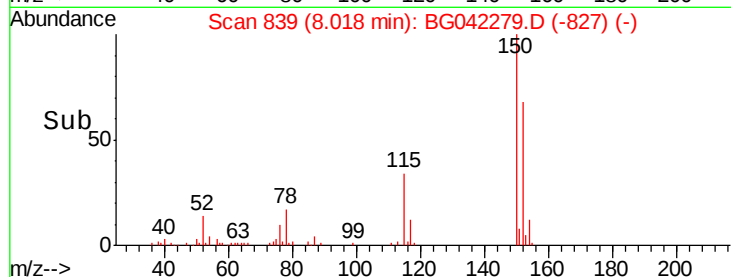
115 50.0 45.0 67.6



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



#2

1,4-Dioxane

Concen: 8.245 ng

RT: 3.15 min Scan# 10

Delta R.T. -0.32 min

Lab File: BG042279.D

Acq: 17 Aug 2019 3:36

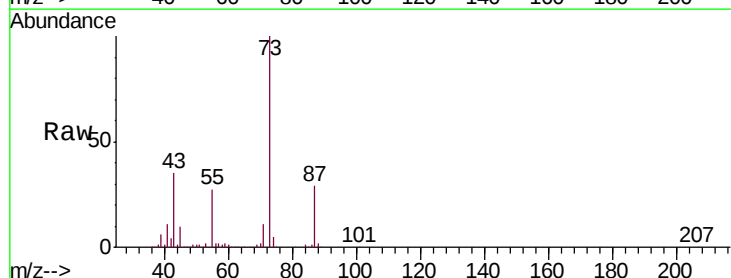
Tgt Ion: 88 Resp: 10674

Ion Ratio Lower Upper

88 100

58 24.0 76.2 114.2#

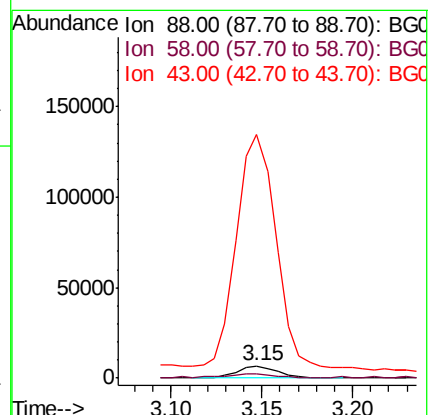
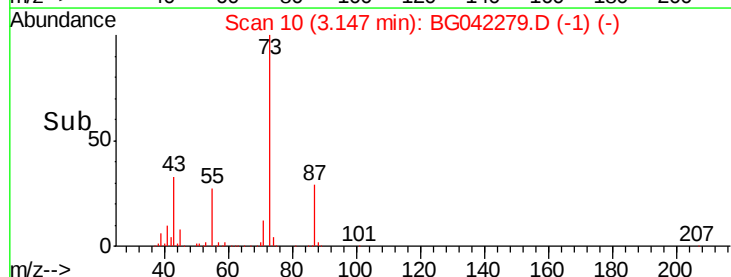
43 1928.8 27.2 40.8#

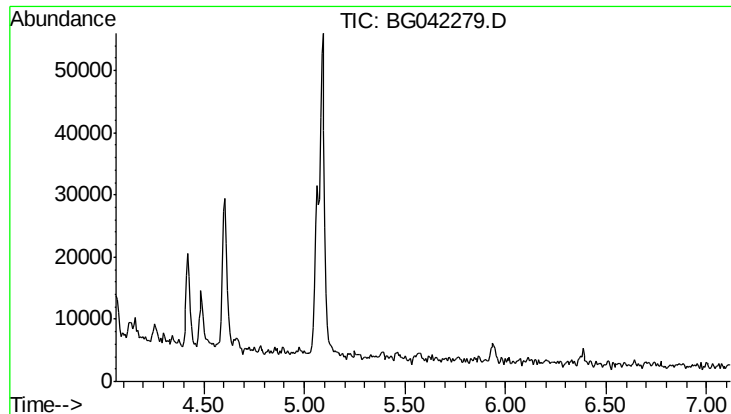


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC

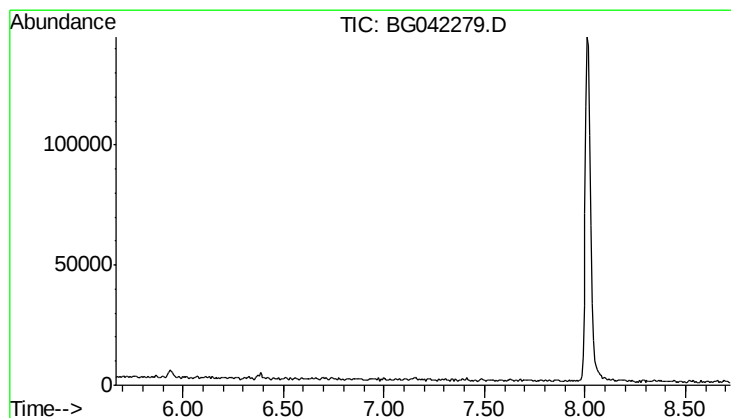
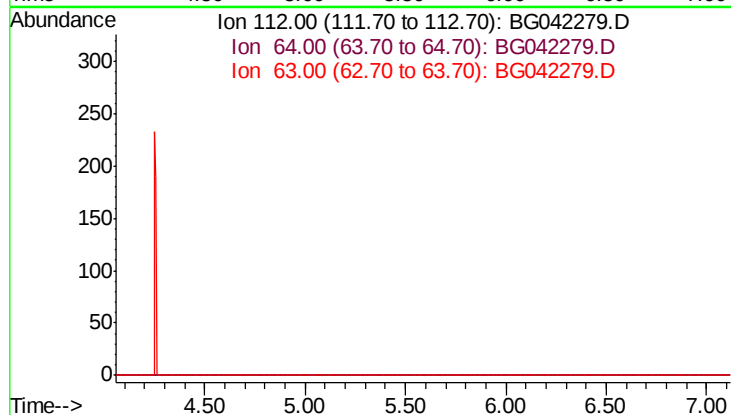




#5
 2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.59 min
 Lab File: BG042279.D
 Acq: 17 Aug 2019 3:36

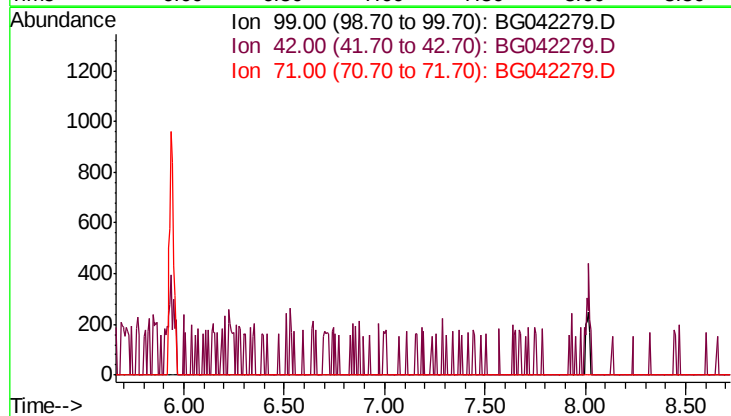
Instrument :
 BNA_G
 ClientSampleId :
 2S-G1-G4-(1)

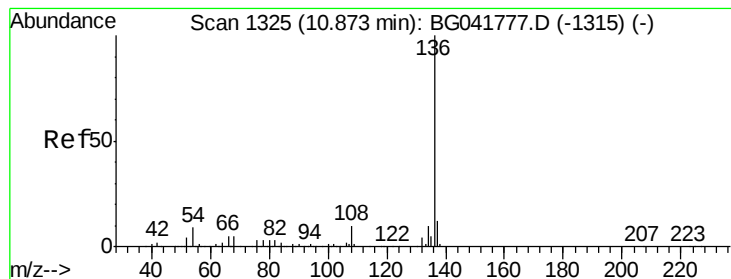
Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 69.3
 63 36.4



#7
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 7.19 min
 Lab File: BG042279.D
 Acq: 17 Aug 2019 3:36

Tgt Ion: 99
 Sig Exp Ratio
 99 100
 42 22.0
 71 34.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.84 min Scan# 1319

Delta R.T. -0.03 min

Lab File: BG042279.D

Acq: 17 Aug 2019 3:36

Instrument :

BNA_G

ClientSampleId :

2S-G1-G4-(1)

Tgt Ion: 136 Resp: 202456

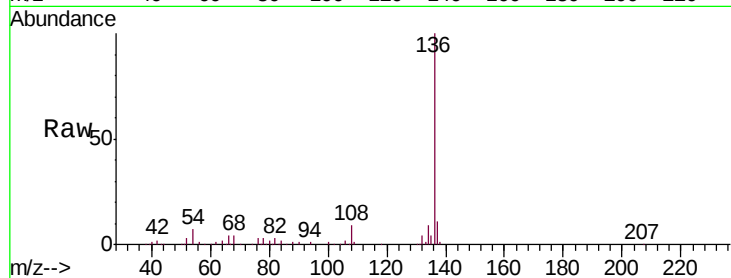
Ion Ratio Lower Upper

136 100

137 10.8 9.2 13.8

54 6.5 8.7 13.1#

68 4.0 5.5 8.3#

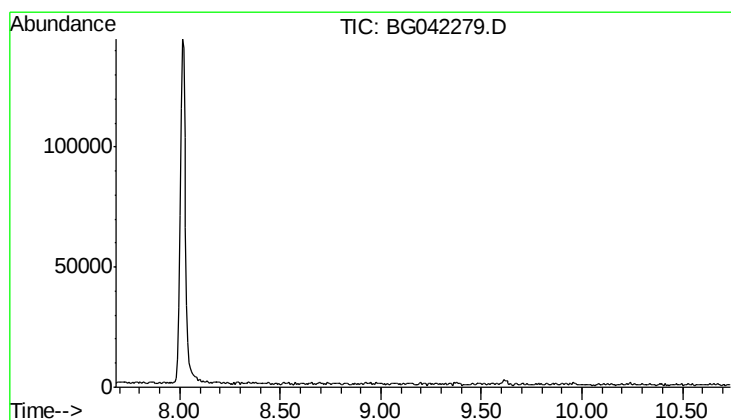
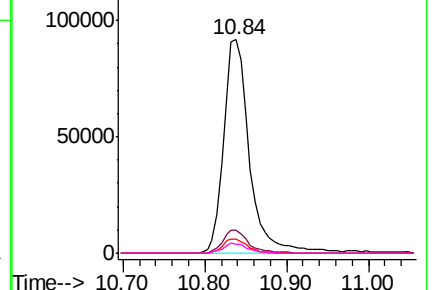
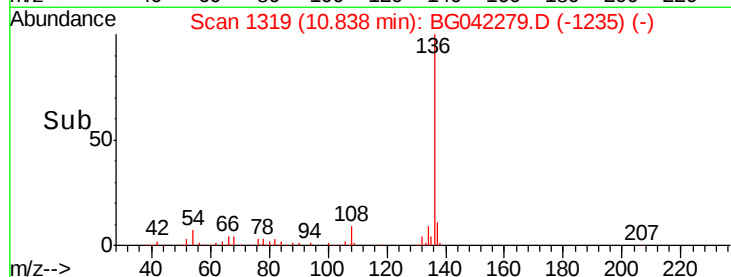


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.000 ng

Expected RT: 9.21 min

Lab File: BG042279.D

Acq: 17 Aug 2019 3:36

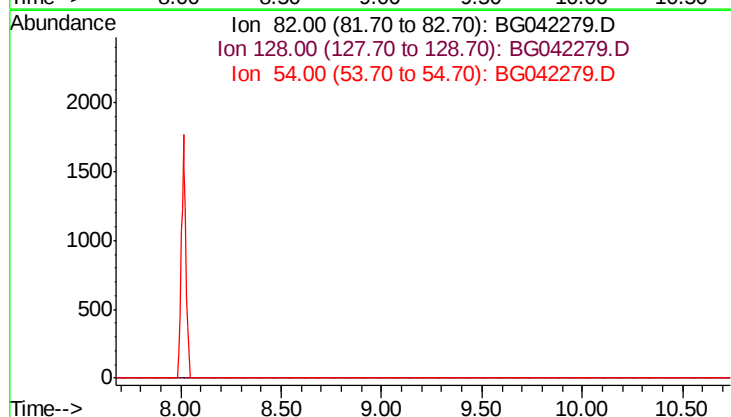
Tgt Ion: 82

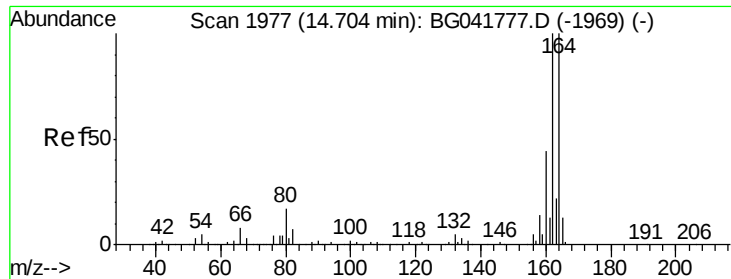
Sig Exp Ratio

82 100

128 43.9

54 60.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.03 min

Lab File: BG042279.D

Acq: 17 Aug 2019 3:36

Instrument :

BNA_G

ClientSampleId :

2S-G1-G4-(1)

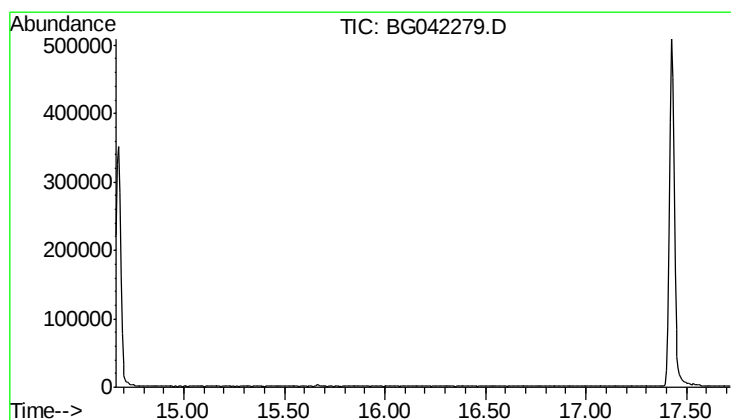
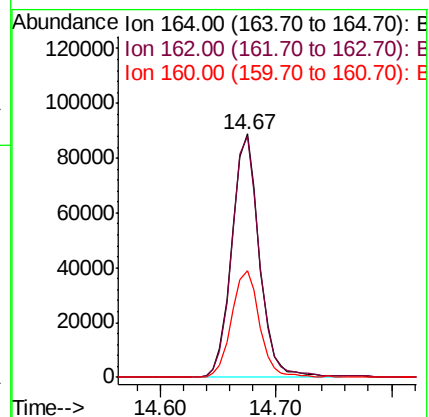
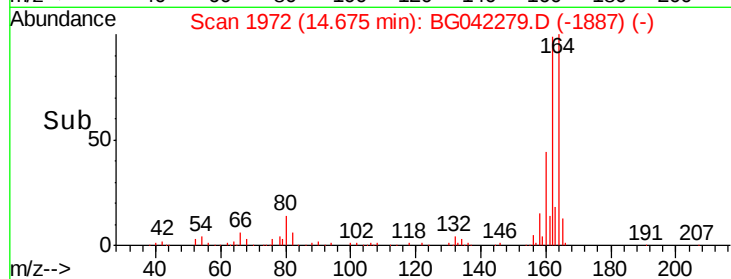
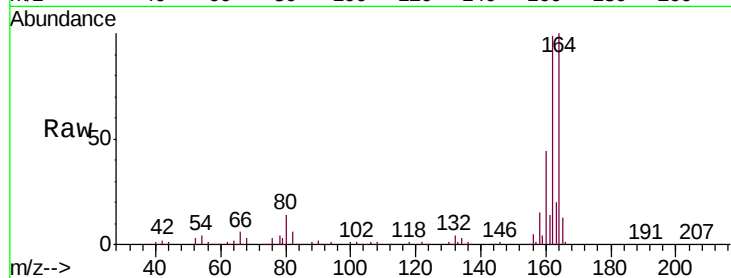
Tgt Ion:164 Resp: 146666

Ion Ratio Lower Upper

164 100

162 98.8 79.6 119.4

160 43.6 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 16.19 min

Lab File: BG042279.D

Acq: 17 Aug 2019 3:36

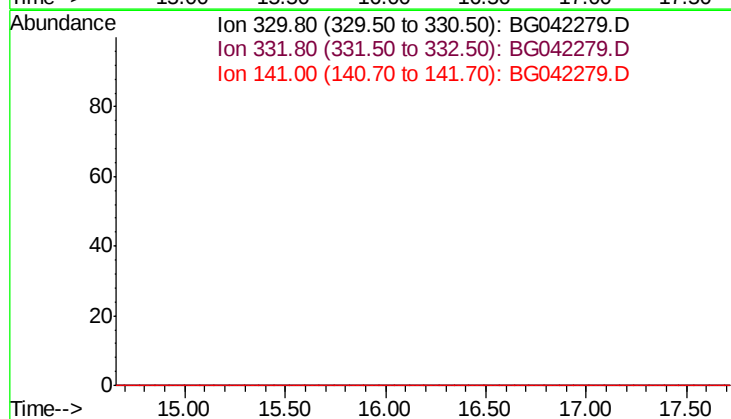
Tgt Ion: 330

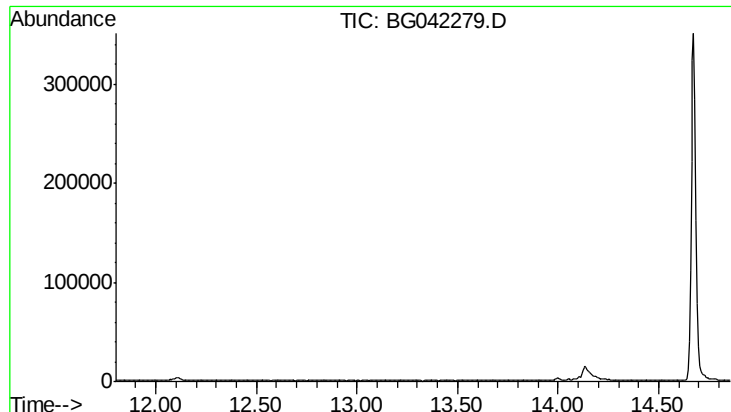
Sig Exp Ratio

330 100

332 96.7

141 39.9

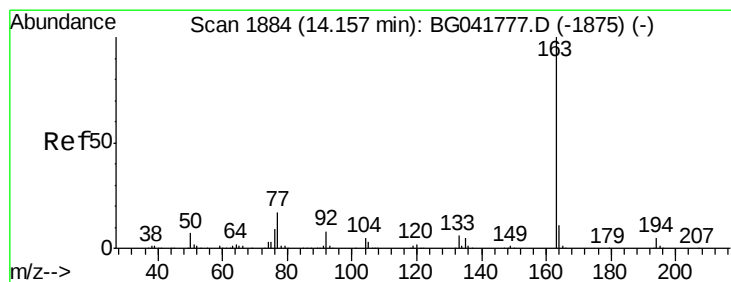
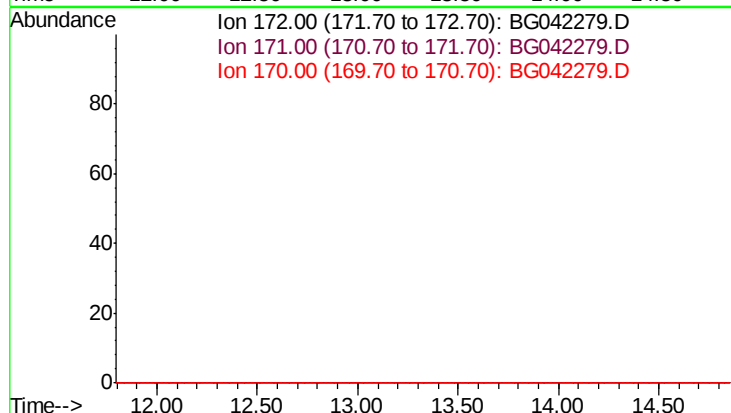




#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 13.33 min
 Lab File: BG042279.D
 Acq: 17 Aug 2019 3:36

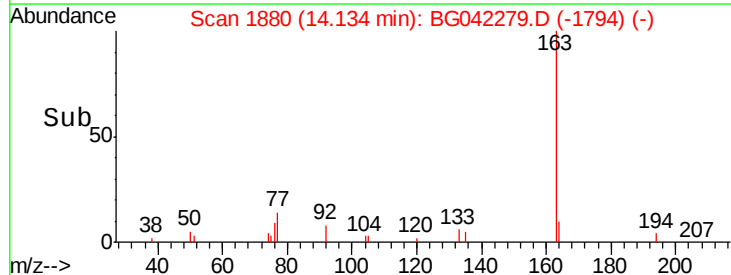
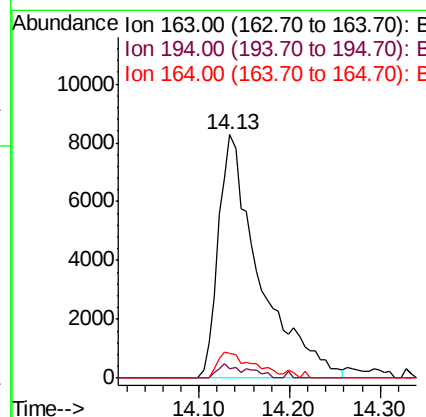
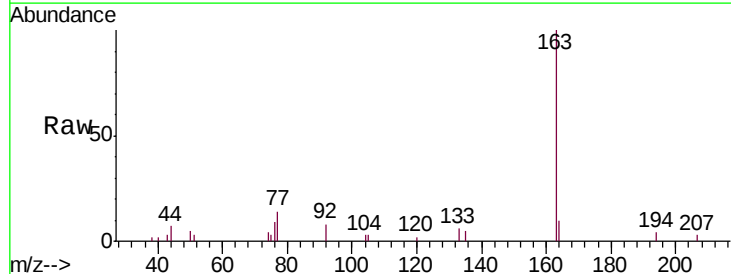
Instrument :
 BNA_G
 ClientSampleId :
 2S-G1-G4-(1)

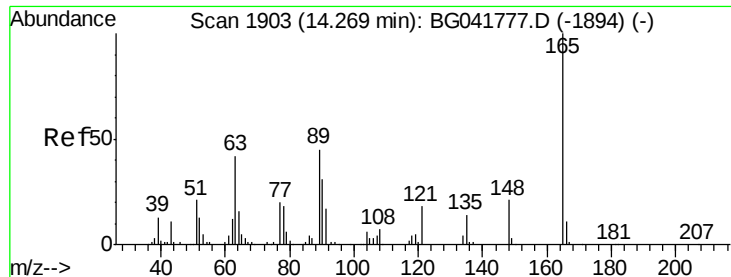
Tgt Ion: 172
 Sig Exp Ratio
 172 100
 171 43.7
 170 29.4



#50
 Dimethylphthalate
 Concen: 2.601 ng
 RT: 14.13 min Scan# 1880
 Delta R.T. -0.02 min
 Lab File: BG042279.D
 Acq: 17 Aug 2019 3:36

Tgt Ion: 163 Resp: 26052
 Ion Ratio Lower Upper
 163 100
 194 3.9 4.2 6.2#
 164 10.1 9.4 14.2

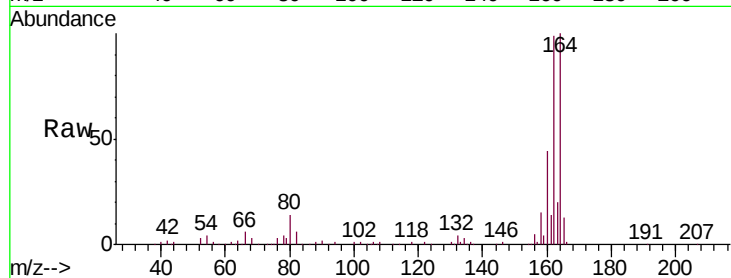




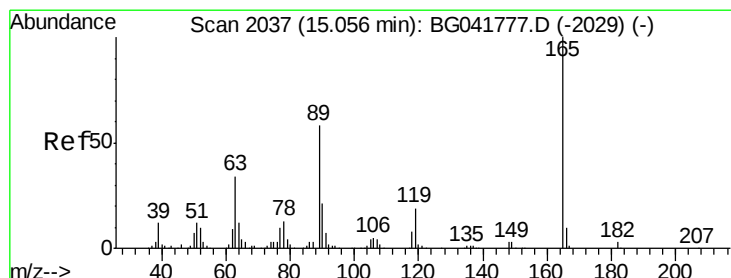
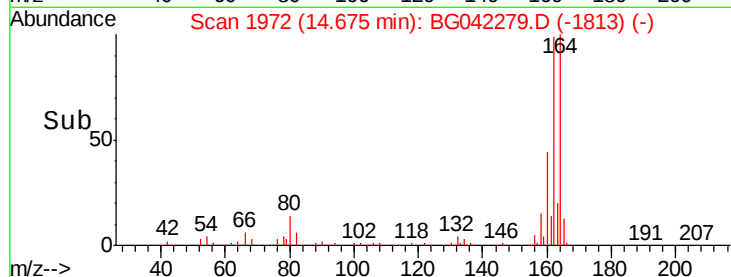
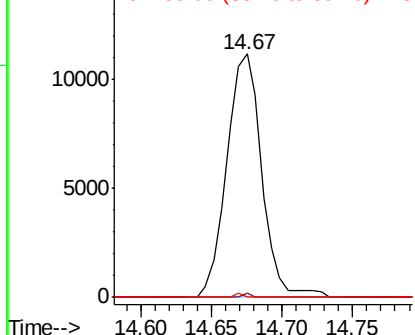
#51
 2,6-Dinitrotoluene
 Concen: 9.174 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. 0.41 min
 Lab File: BG042279.D
 Acq: 17 Aug 2019 3:36

Instrument :
 BNA_G
 ClientSampleId :
 2S-G1-G4-(1)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	42.4	63.6#
89	0.0	42.1	63.1#



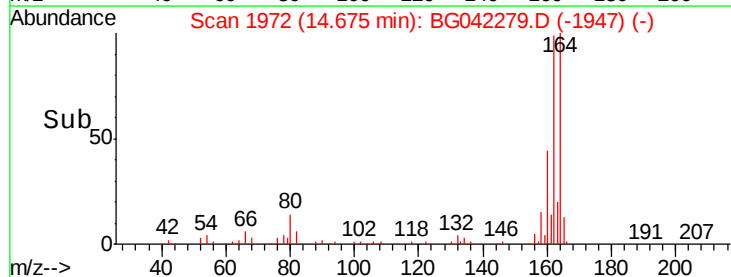
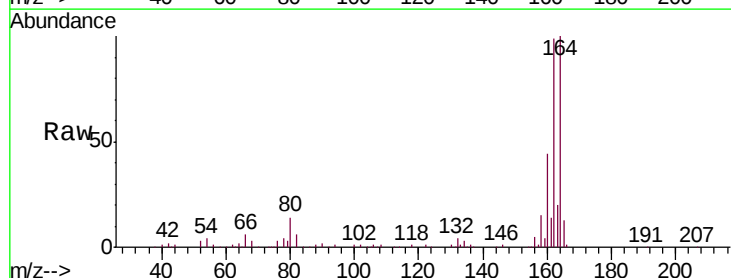
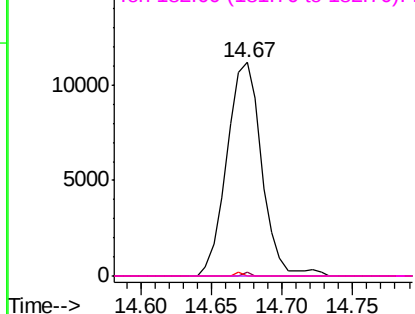
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

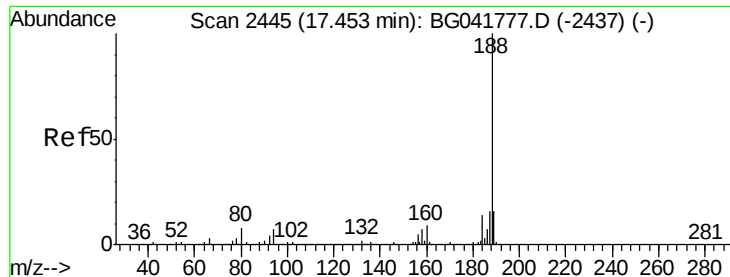


#57
 2,4-Dinitrotoluene
 Concen: 6.671 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.38 min
 Lab File: BG042279.D
 Acq: 17 Aug 2019 3:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	31.7	47.5#
89	0.0	50.2	75.4#
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

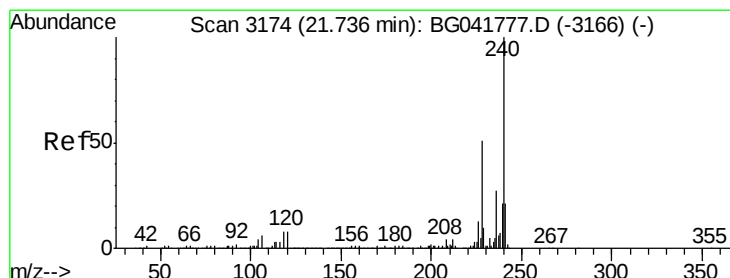
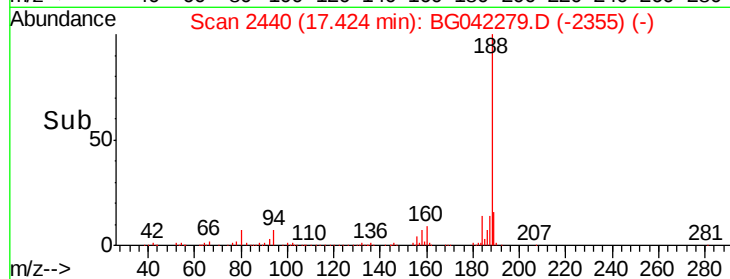
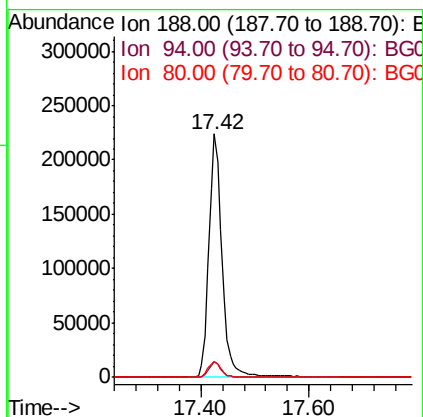
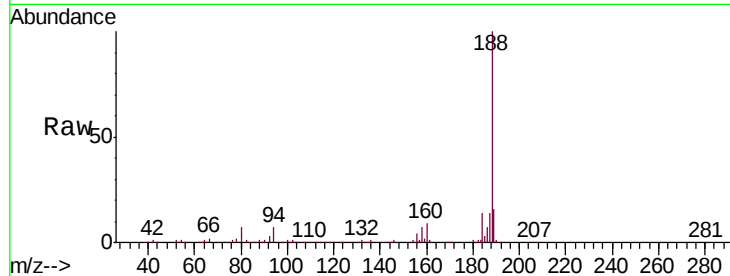




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2440
 Delta R.T. -0.03 min
 Lab File: BG042279.D
 Acq: 17 Aug 2019 3:36

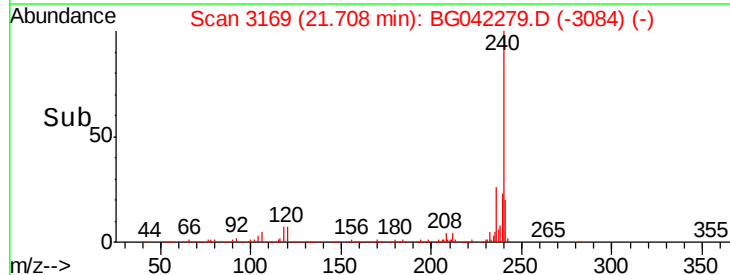
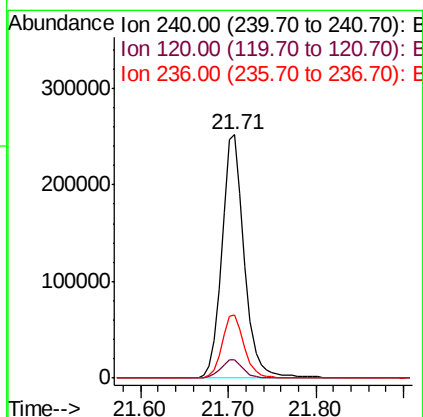
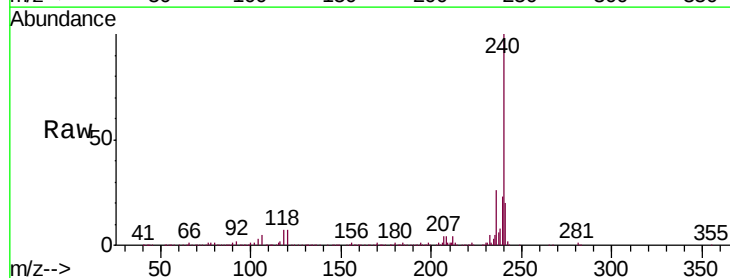
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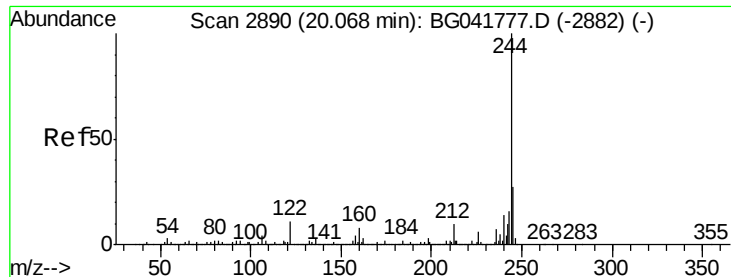
Tgt Ion:188 Resp: 380351
 Ion Ratio Lower Upper
 188 100
 94 6.6 6.9 10.3#
 80 6.7 8.0 12.0#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.71 min Scan# 3169
 Delta R.T. -0.03 min
 Lab File: BG042279.D
 Acq: 17 Aug 2019 3:36

Tgt Ion:240 Resp: 445191
 Ion Ratio Lower Upper
 240 100
 120 7.5 8.0 12.0#
 236 25.8 22.6 33.8





#79

Terphenyl-d14

Concen: 0.025 ng

RT: 20.05 min Scan# 2887

Delta R.T. -0.02 min

Lab File: BG042279.D

Acq: 17 Aug 2019 3:36

Instrument :

BNA_G

ClientSampleId :

2S-G1-G4-(1)

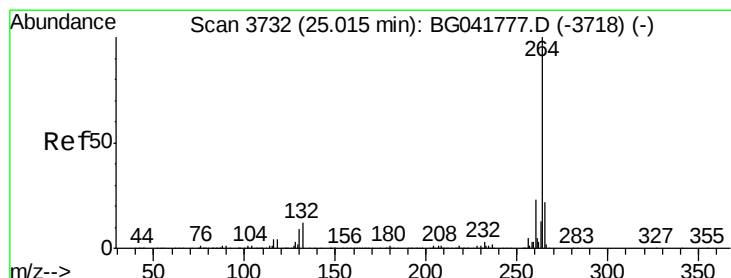
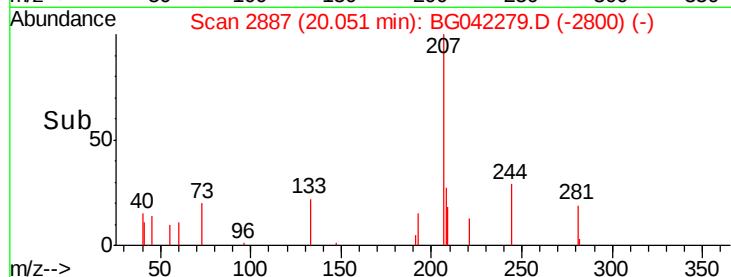
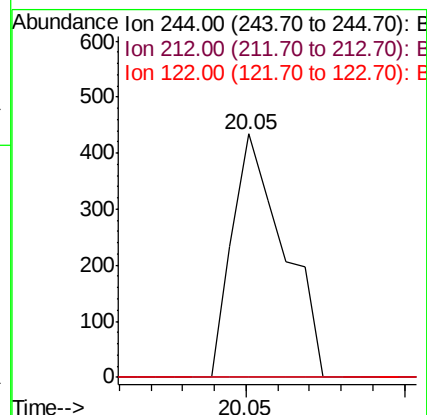
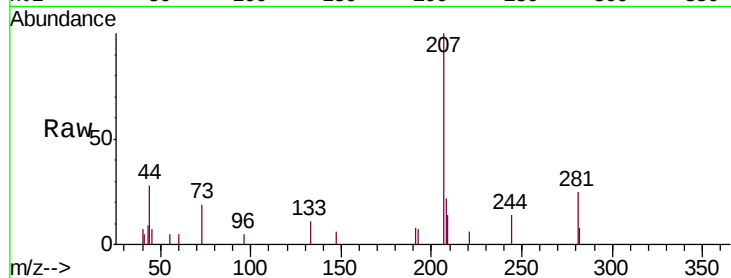
Tgt Ion:244 Resp: 489

Ion Ratio Lower Upper

244 100

212 0.0 9.7 14.5#

122 0.0 12.5 18.7#



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.96 min Scan# 3722

Delta R.T. -0.06 min

Lab File: BG042279.D

Acq: 17 Aug 2019 3:36

Tgt Ion:264 Resp: 520789

Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

265 22.2 18.0 27.0

