

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062219\
 Data File : BG041407.D
 Acq On : 22 Jun 2019 17:36
 Operator : HP/JU
 Sample : K3352-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-GIS

Quant Time: Jun 24 02:09:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

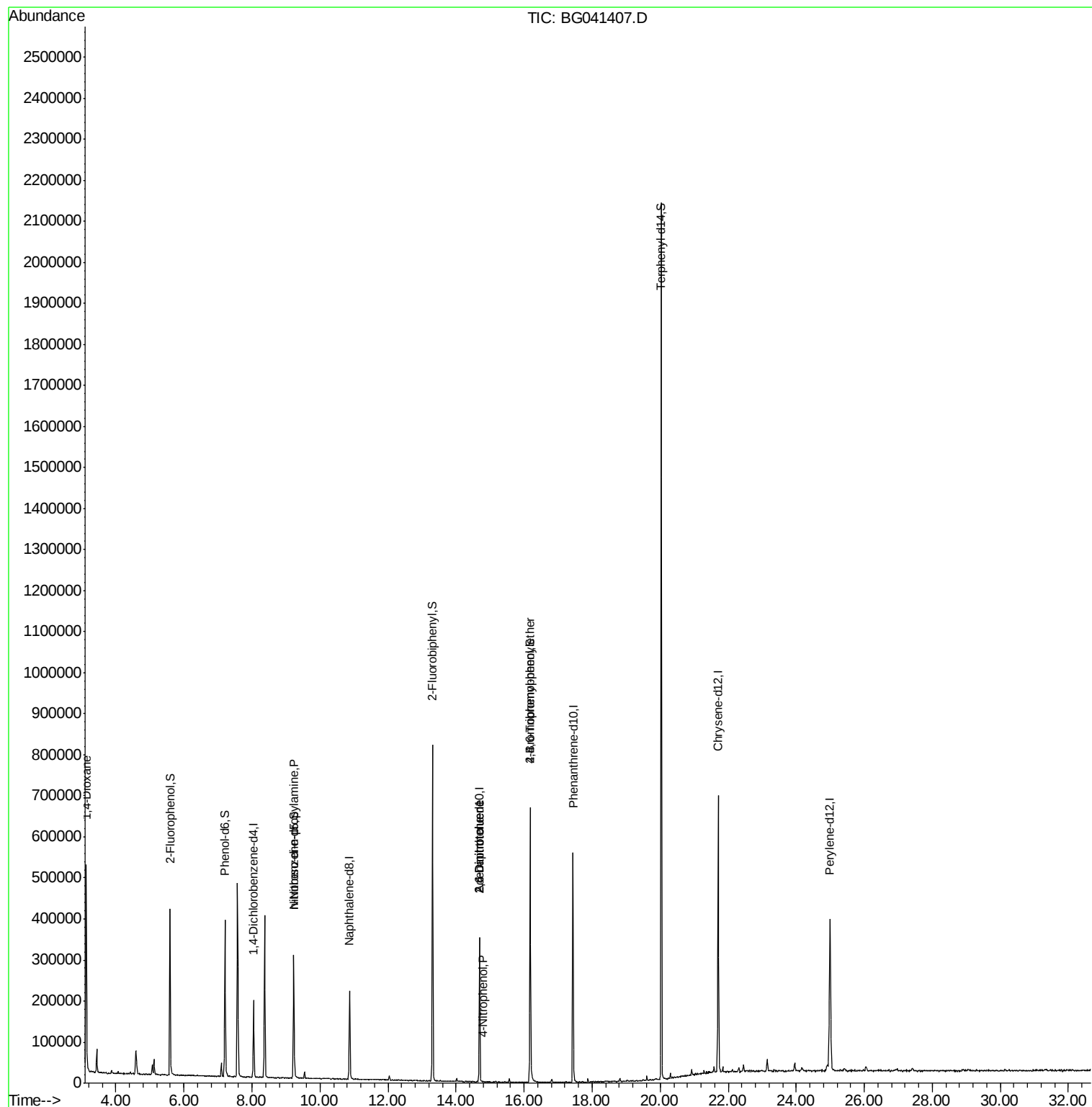
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	50802	20.00	ng	-0.03
21) Naphthalene-d8	10.87	136	182646	20.00	ng	-0.03
39) Acenaphthene-d10	14.69	164	128429	20.00	ng	-0.03
64) Phenanthrene-d10	17.44	188	352770	20.00	ng	-0.03
76) Chrysene-d12	21.71	240	418096	20.00	ng	-0.03
87) Perylene-d12	24.99	264	446184	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	164163	59.37	ng	-0.03
7) Phenol-d6	7.21	99	202757	50.59	ng	-0.03
23) Nitrobenzene-d5	9.23	82	188411	43.38	ng	-0.03
42) 2,4,6-Tribromophenol	16.18	330	138517	70.25	ng	-0.03
45) 2-Fluorobiphenyl	13.31	172	430633	45.57	ng	-0.03
79) Terphenyl-d14	20.03	244	957672	45.39	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.13	88	5694	4.107	ng	# 1
19) n-Nitroso-di-n-propylamine	9.23	70	25811	7.963	ng	# 80
51) 2,6-Dinitrotoluene	14.69	165	16463	6.833	ng	# 16
56) 4-Nitrophenol	14.79	139	62	3.249	ng	# 1
57) 2,4-Dinitrotoluene	14.69	165	16463	4.674	ng	# 19
67) 4-Bromophenyl-phenylether	16.18	248	10337	2.266	ng	# 1

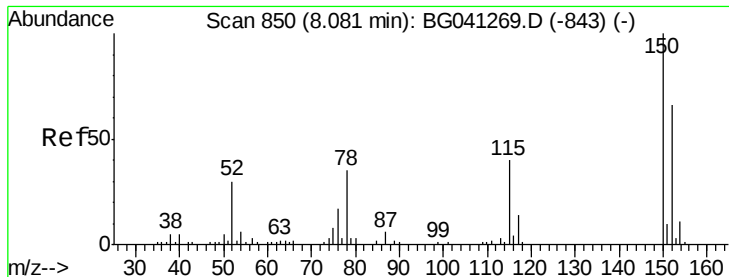
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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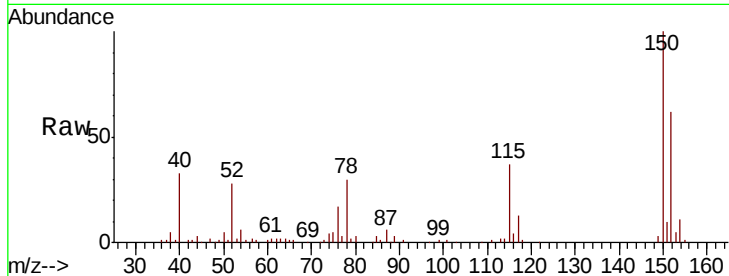


#1

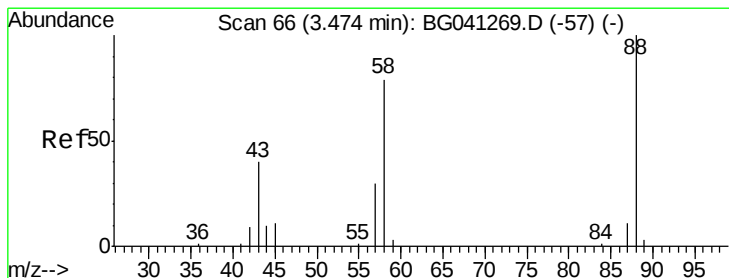
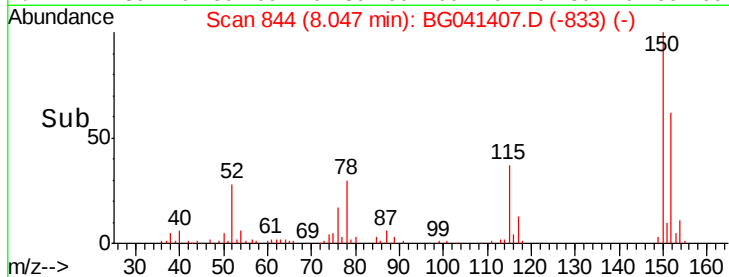
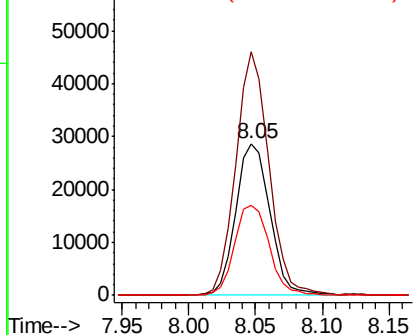
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 844
 Delta R.T. -0.03 min
 Lab File: BG041407.D
 Acq: 22 Jun 2019 17:36

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-GIS

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	120.6	181.0
115	59.8	47.9	71.9



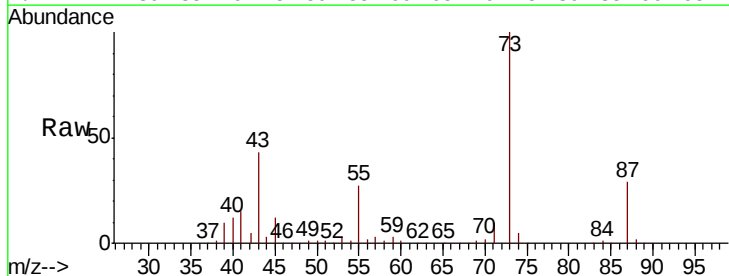
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



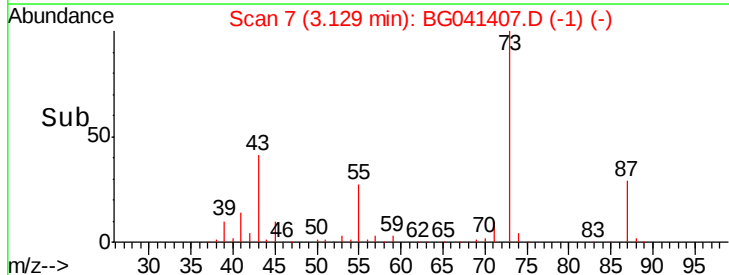
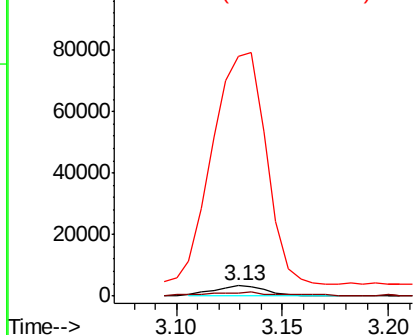
#2

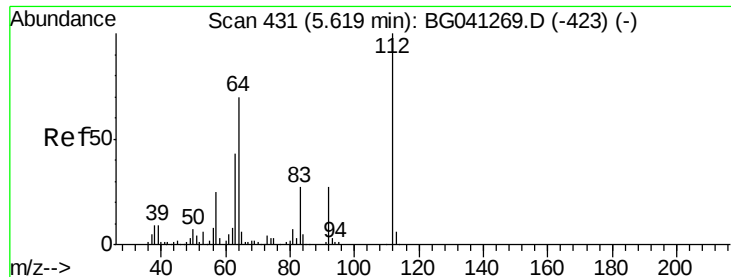
1,4-Dioxane
 Concen: 4.107 ng
 RT: 3.13 min Scan# 7
 Delta R.T. -0.35 min
 Lab File: BG041407.D
 Acq: 22 Jun 2019 17:36

Tgt Ion	Ratio	Lower	Upper
88	100		
58	32.2	59.7	89.5#
43	2264.4	31.9	47.9#



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: 59.375 ng

RT: 5.59 min Scan# 426

Delta R.T. -0.03 min

Lab File: BG041407.D

Acq: 22 Jun 2019 17:36

Instrument :

BNA_G

ClientSampled :

TP-4-GIS

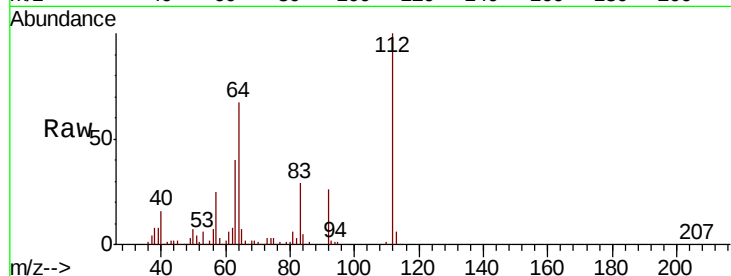
Tot Ion:112 Resp: 164163

Ion Ratio Lower Upper

112 100

64 66.8 55.9 83.9

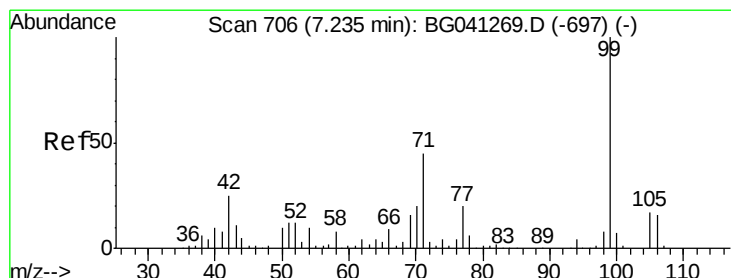
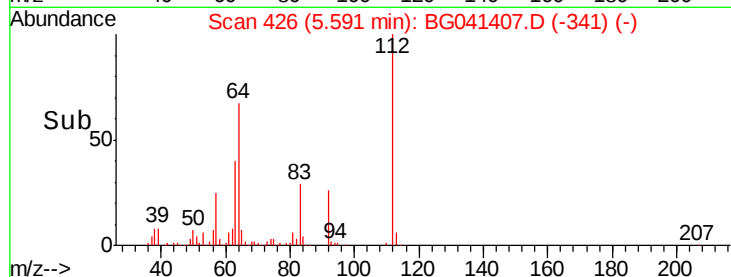
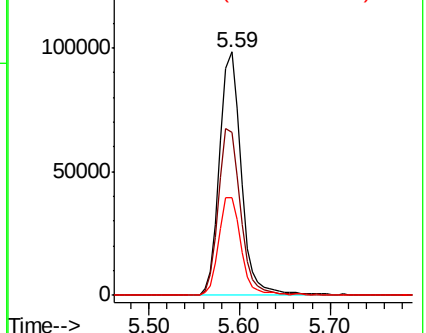
63 40.4 34.6 51.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 50.592 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.03 min

Lab File: BG041407.D

Acq: 22 Jun 2019 17:36

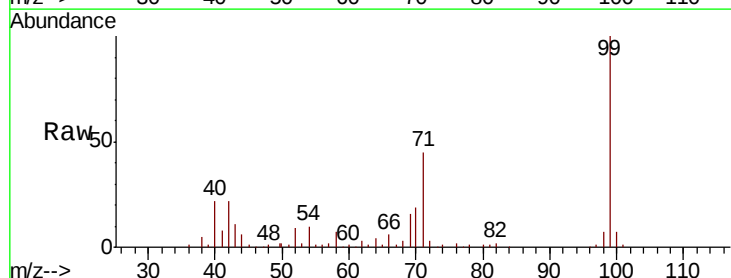
Tgt Ion: 99 Resp: 202757

Ion Ratio Lower Upper

99 100

42 22.4 19.9 29.9

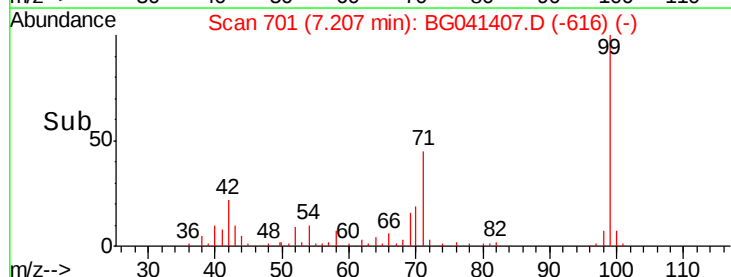
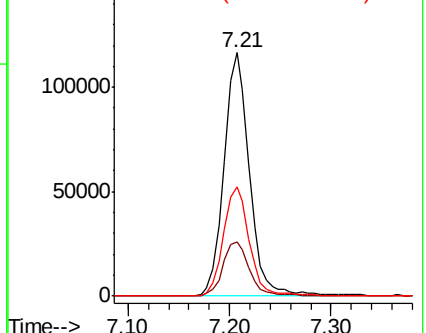
71 44.9 36.4 54.6

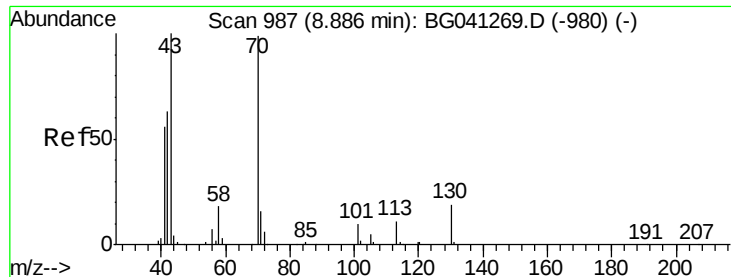


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 7.963 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.34 min

Lab File: BG041407.D

Acq: 22 Jun 2019 17:36

Instrument :

BNA_G

ClientSampleId :

TP-4-GIS

Tot Ion: 70 Resp: 25811

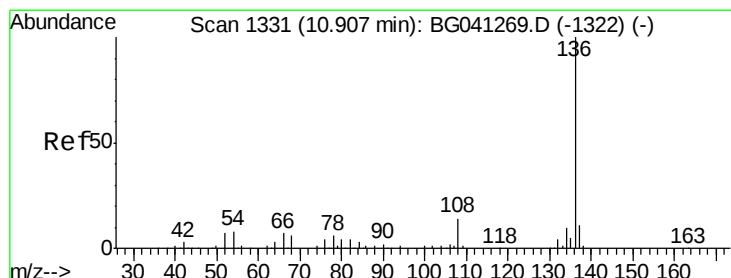
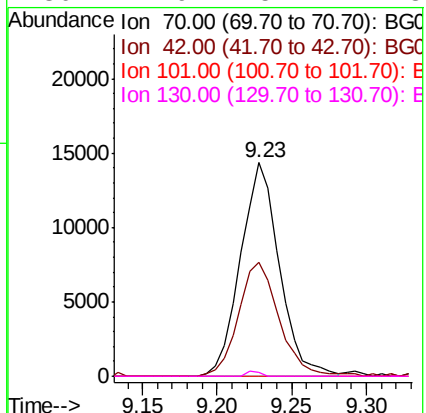
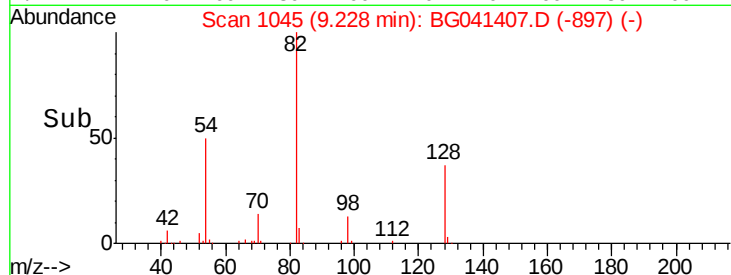
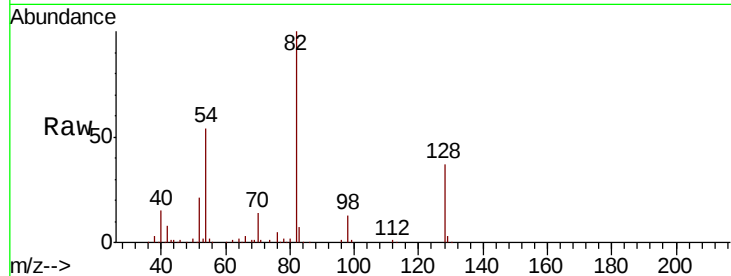
Ion Ratio Lower Upper

70 100

42 53.5 51.4 77.2

101 0.0 8.2 12.2#

130 1.9 15.2 22.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.87 min Scan# 1325

Delta R.T. -0.03 min

Lab File: BG041407.D

Acq: 22 Jun 2019 17:36

Tgt Ion: 136 Resp: 182646

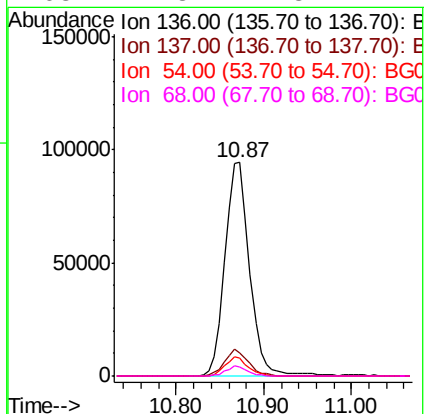
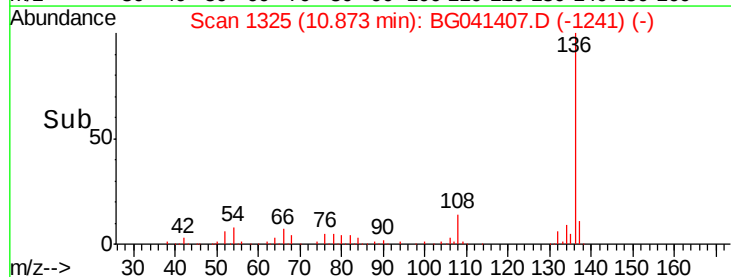
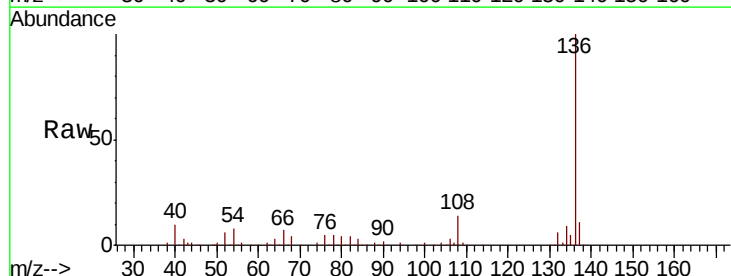
Ion Ratio Lower Upper

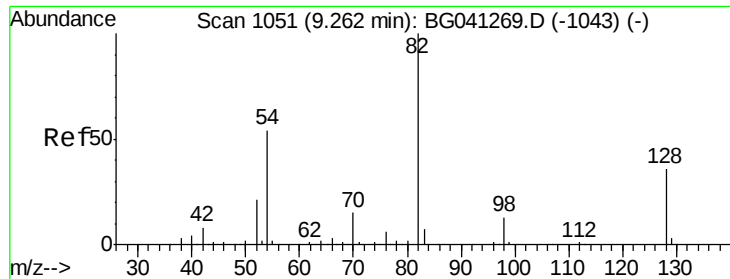
136 100

137 10.8 8.8 13.2

54 8.2 6.4 9.6

68 4.3 4.8 7.2#

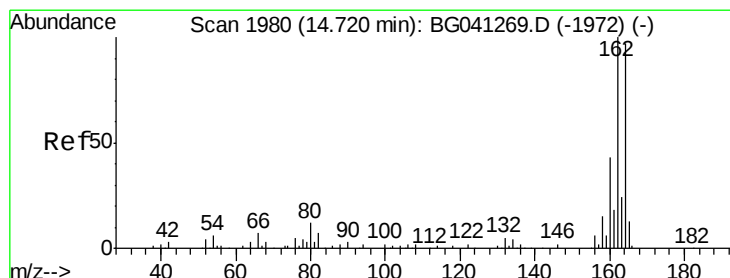
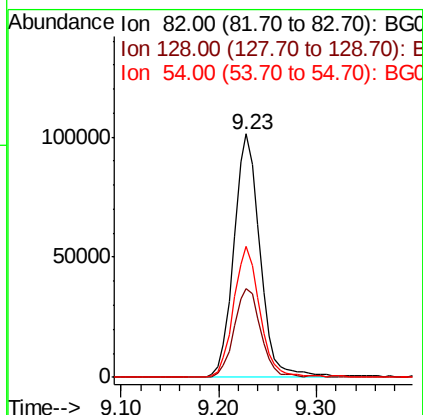
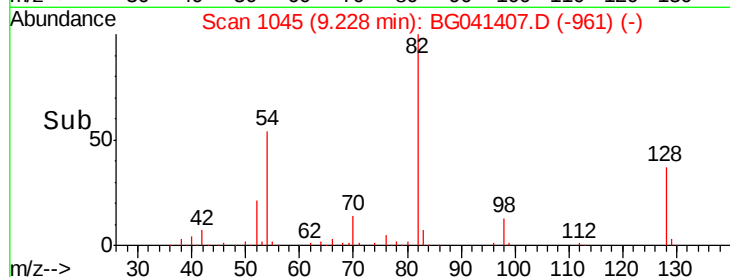
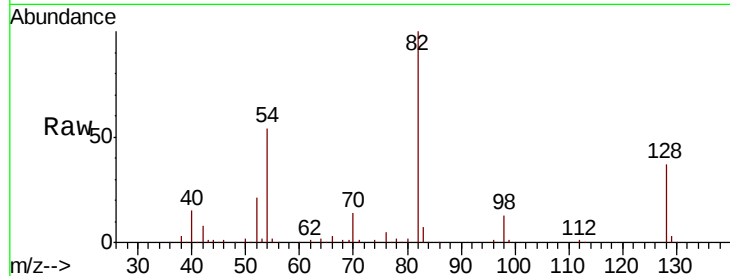




#23
Nitrobenzene-d5
Concen: 43.384 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.03 min
Lab File: BG041407.D
Acq: 22 Jun 2019 17:36

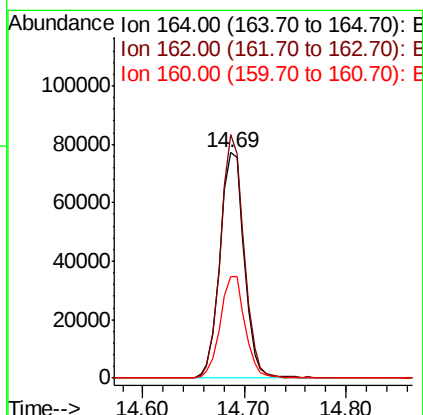
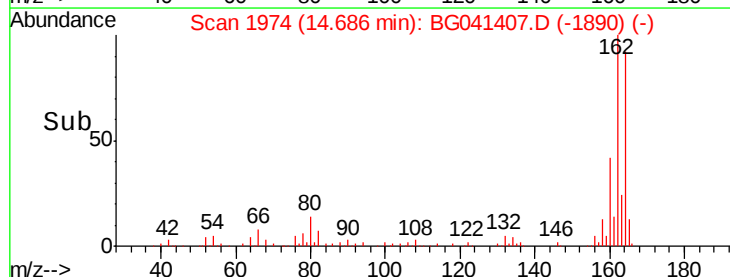
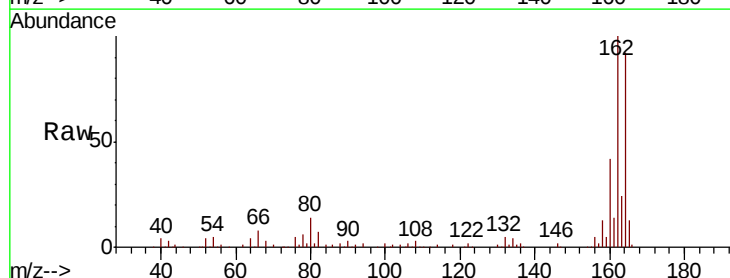
Instrument :
BNA_G
ClientSampleId :
TP-4-GIS

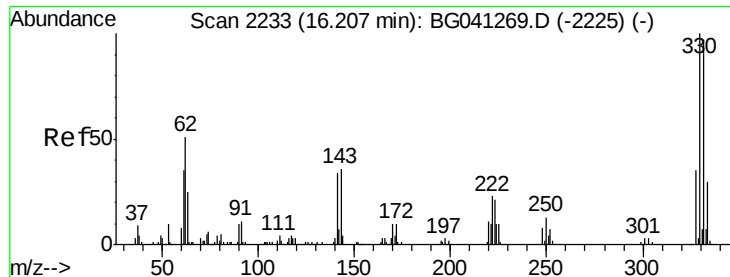
Tot Ion: 82 Resp: 188411
Ion Ratio Lower Upper
82 100
128 36.7 29.2 43.8
54 53.6 43.4 65.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.03 min
Lab File: BG041407.D
Acq: 22 Jun 2019 17:36

Tgt Ion:164 Resp: 128429
Ion Ratio Lower Upper
164 100
162 108.2 82.8 124.2
160 45.0 35.8 53.8

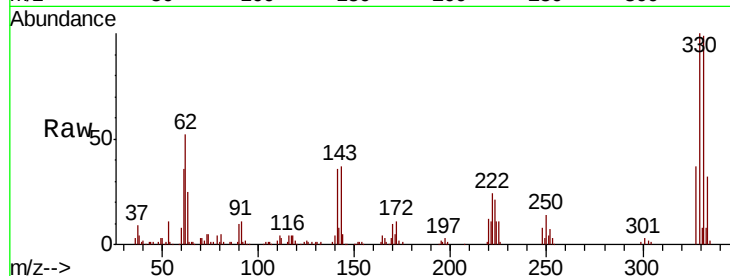




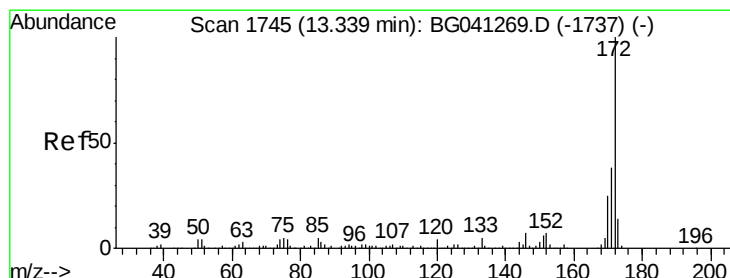
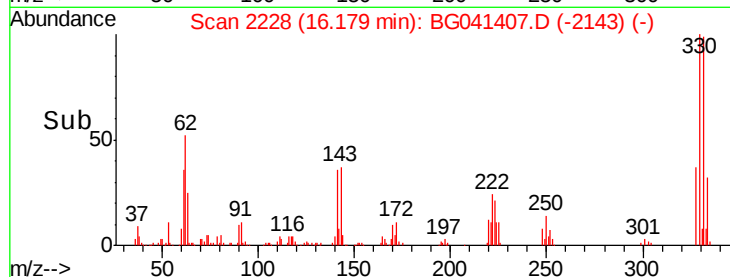
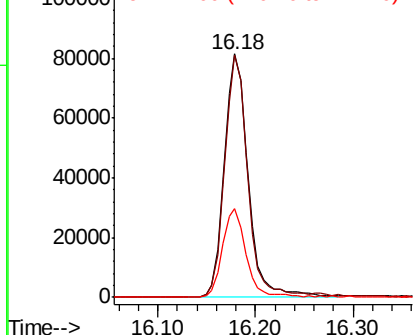
#42
 2,4,6-Tribromophenol
 Concen: 70.254 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.03 min
 Lab File: BG041407.D
 Acq: 22 Jun 2019 17:36

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-GIS

Tot Ion:330 Resp: 138517
 Ion Ratio Lower Upper
 330 100
 332 96.0 75.5 113.3
 141 35.8 29.0 43.4

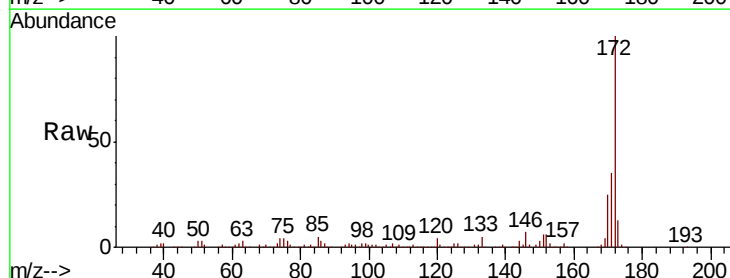


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

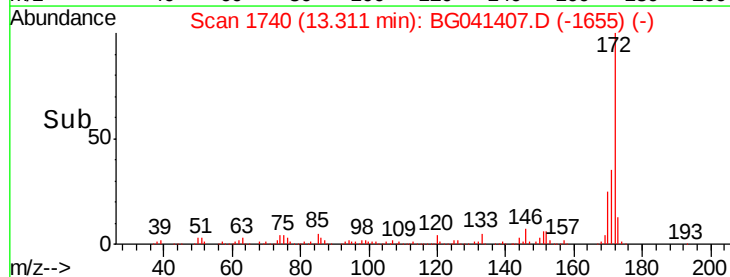
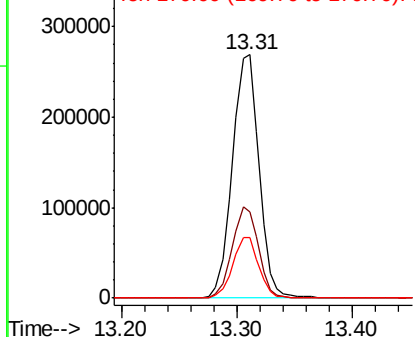


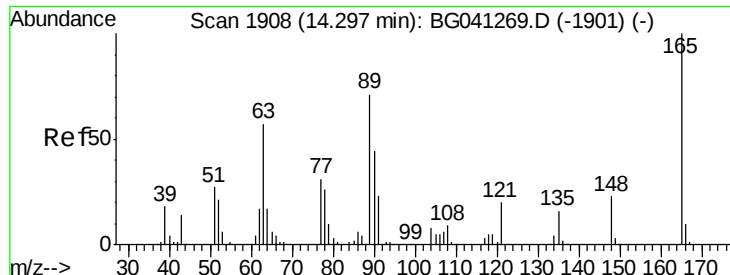
#45
 2-Fluorobiphenyl
 Concen: 45.574 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.03 min
 Lab File: BG041407.D
 Acq: 22 Jun 2019 17:36

Tgt Ion:172 Resp: 430633
 Ion Ratio Lower Upper
 172 100
 171 35.5 30.0 45.0
 170 24.9 19.8 29.6



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

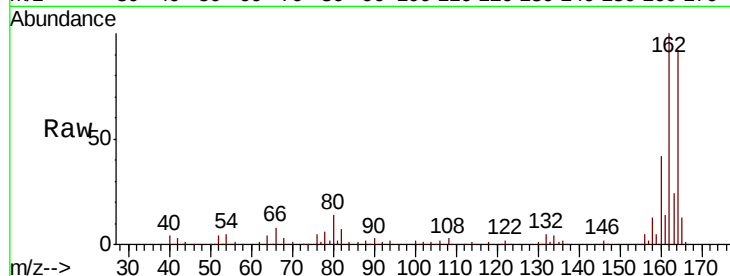




#51
 2,6-Dinitrotoluene
 Concen: 6.833 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.39 min
 Lab File: BG041407.D
 Acq: 22 Jun 2019 17:36

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-GIS

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	55.4	83.0#
89	1.9	56.5	84.7#

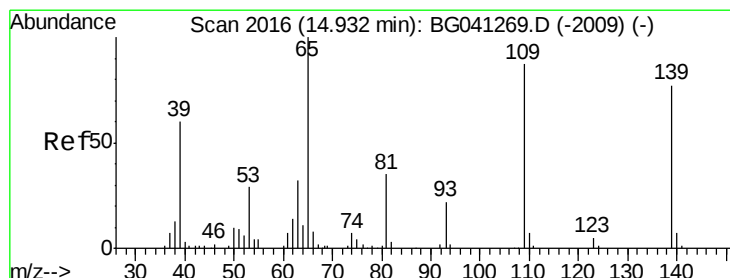
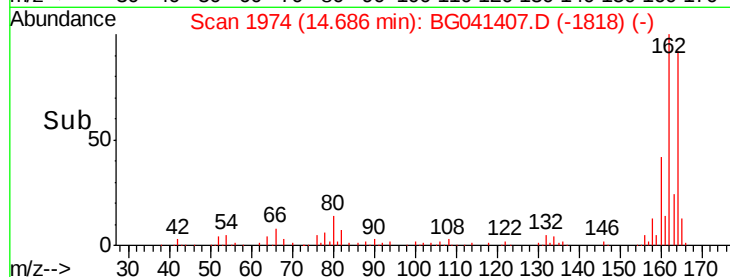
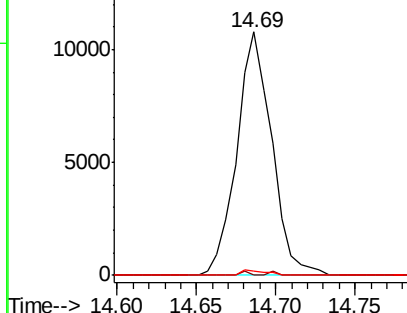


Abundance

Ion 165.00 (164.70 to 165.70): E

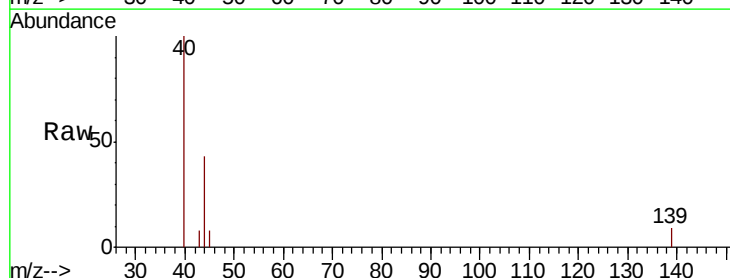
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#56
 4-Nitrophenol
 Concen: 3.249 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.14 min
 Lab File: BG041407.D
 Acq: 22 Jun 2019 17:36

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	93.2	133.2#
65	0.0	110.2	150.2#

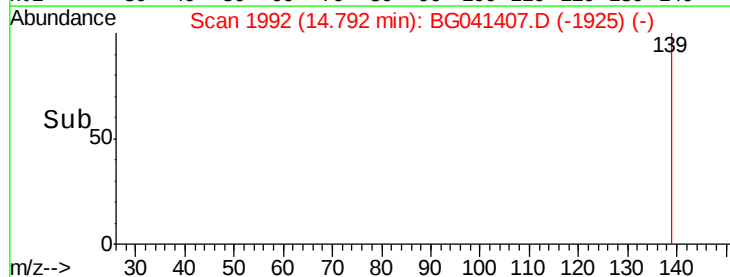
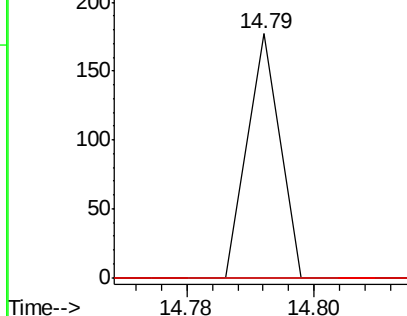


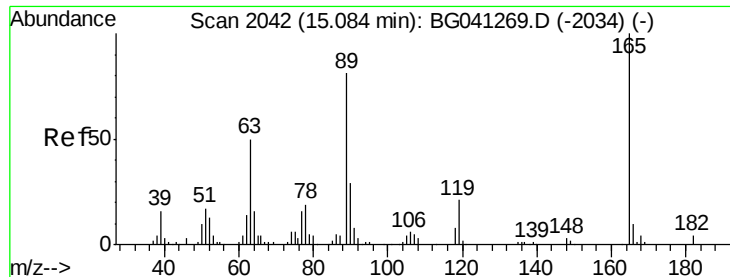
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

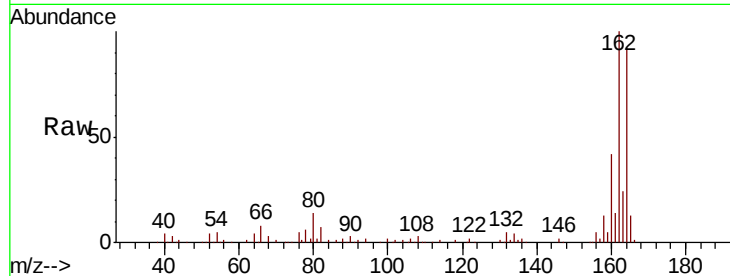




#57
 2,4-Dinitrotoluene
 Concen: 4.674 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.40 min
 Lab File: BG041407.D
 Acq: 22 Jun 2019 17:36

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-GIS

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.0	60.0#
89	1.9	64.6	96.8#
182	0.0	2.9	4.3#



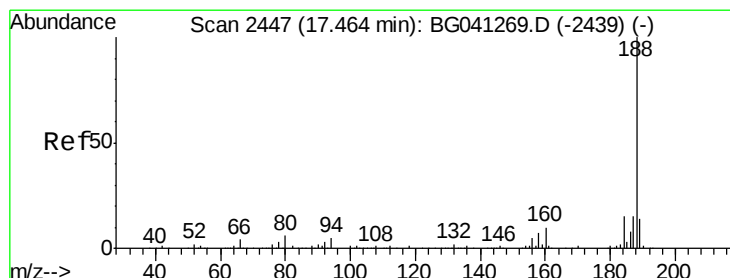
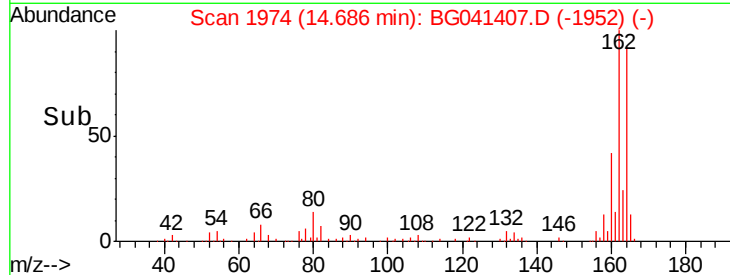
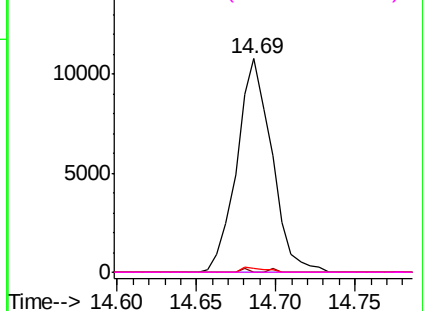
Abundance

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: 17.44 min Scan# 2442
 Delta R.T. -0.03 min
 Lab File: BG041407.D
 Acq: 22 Jun 2019 17:36

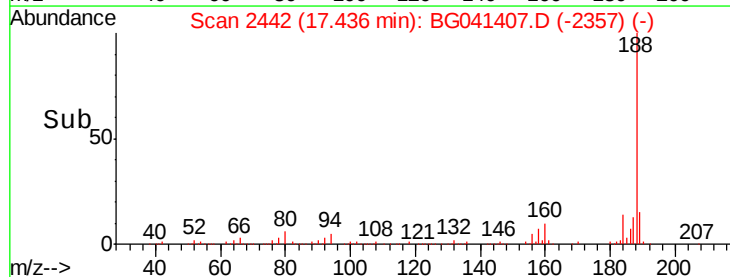
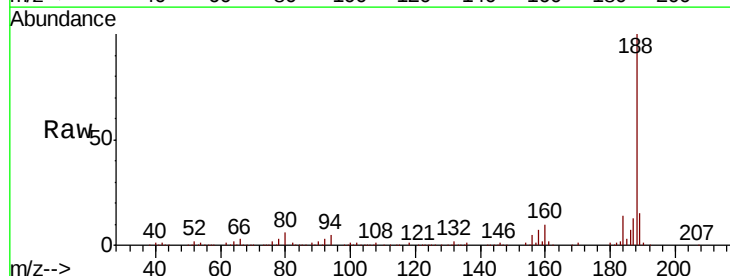
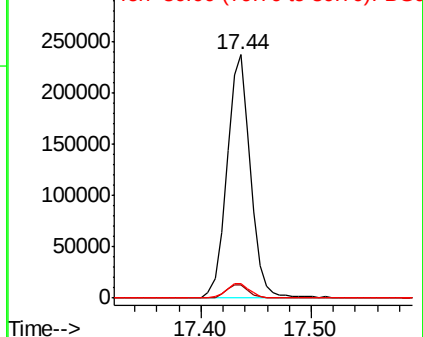
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.2	3.6	5.4
80	5.7	4.8	7.2

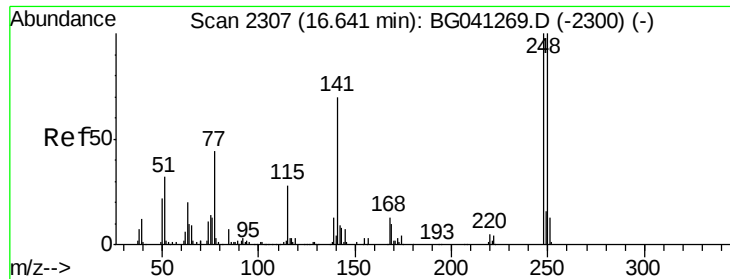
Abundance

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

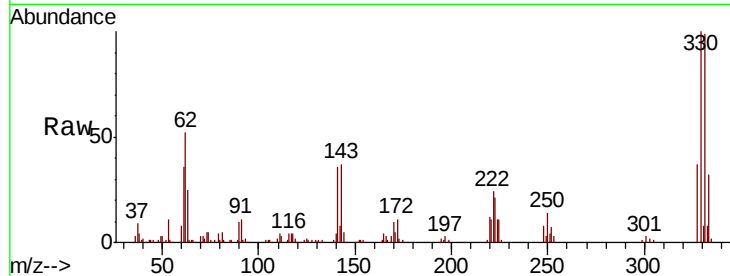




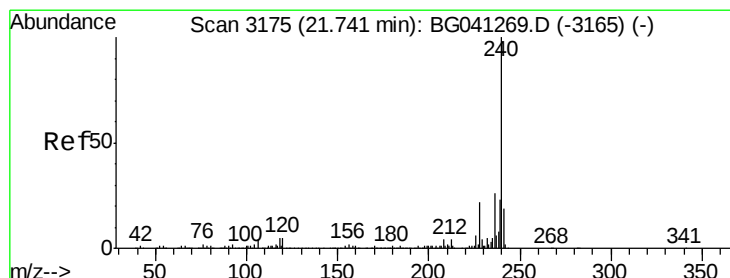
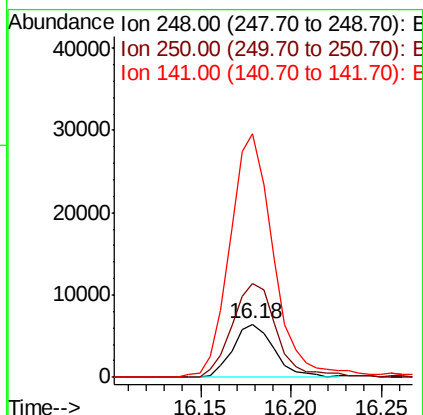
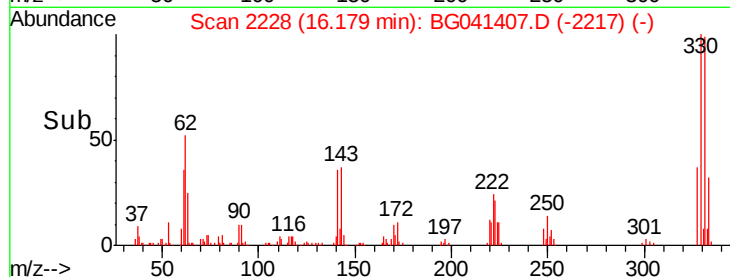
#67
4-Bromophenyl-phenylether
Concen: 2.266 ng
RT: 16.18 min Scan# 2228
Delta R.T. -0.46 min
Lab File: BG041407.D
Acq: 22 Jun 2019 17:36

Instrument :
BNA_G
ClientSampleId :
TP-4-GIS

Tot Ion:248 Resp: 10337
Ion Ratio Lower Upper
248 100
250 176.7 79.8 119.8#
141 459.3 55.8 83.6#

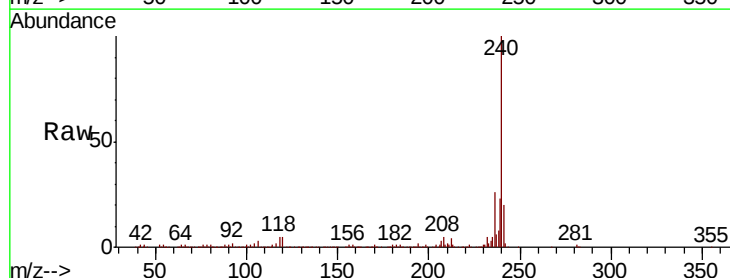


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

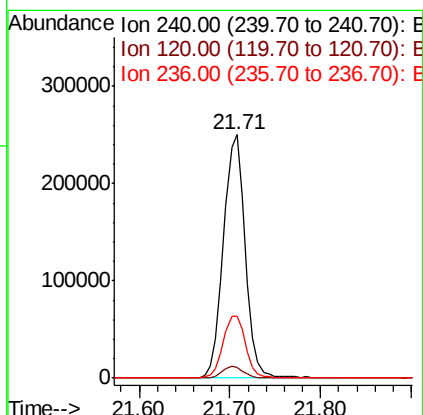
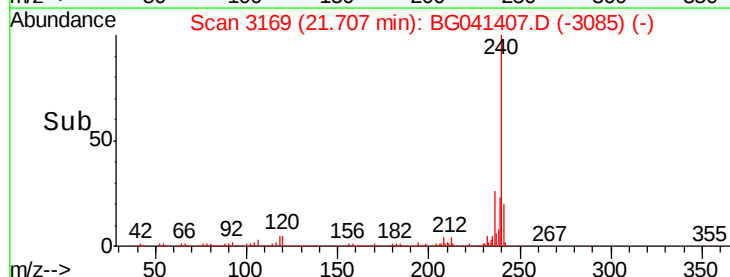


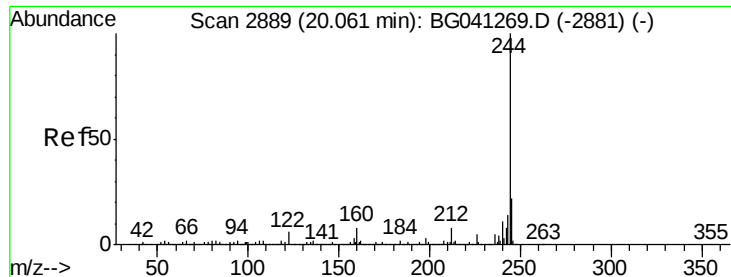
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3169
Delta R.T. -0.03 min
Lab File: BG041407.D
Acq: 22 Jun 2019 17:36

Tgt Ion:240 Resp: 418096
Ion Ratio Lower Upper
240 100
120 4.6 3.7 5.5
236 25.6 21.1 31.7



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





#79

Terphenyl-d14

Concen: 45.394 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG041407.D

Acq: 22 Jun 2019 17:36

Instrument :

BNA_G

ClientSampleId :

TP-4-GIS

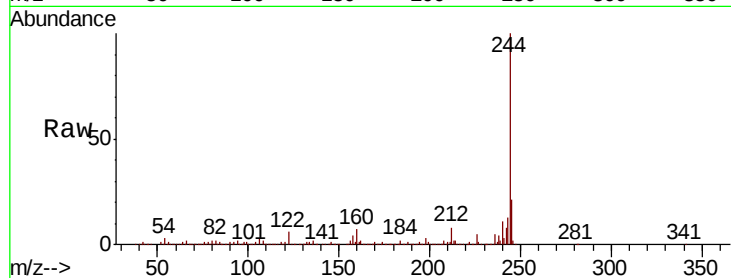
Tot Ion:244 Resp: 957672

Ion Ratio Lower Upper

244 100

212 8.4 6.6 10.0

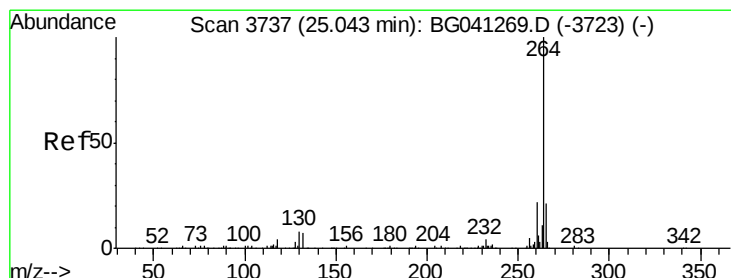
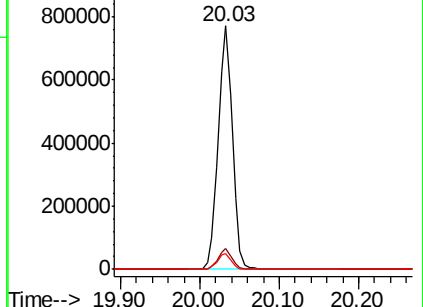
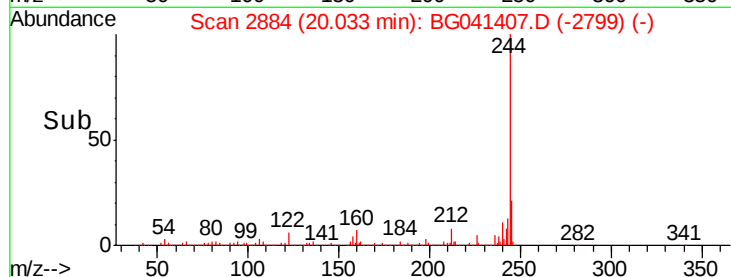
122 6.5 5.0 7.4



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: 24.99 min Scan# 3728

Delta R.T. -0.05 min

Lab File: BG041407.D

Acq: 22 Jun 2019 17:36

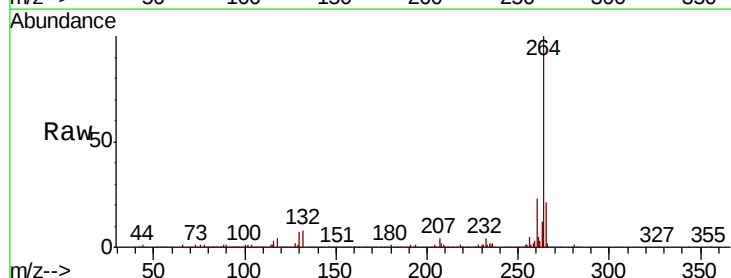
Tgt Ion:264 Resp: 446184

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.2

265 21.1 17.2 25.8



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

