

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062119\
 Data File : BG041398.D
 Acq On : 22 Jun 2019 7:21
 Operator : HP/JU
 Sample : K3455-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-GIS

Quant Time: Jun 24 01:37:41 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

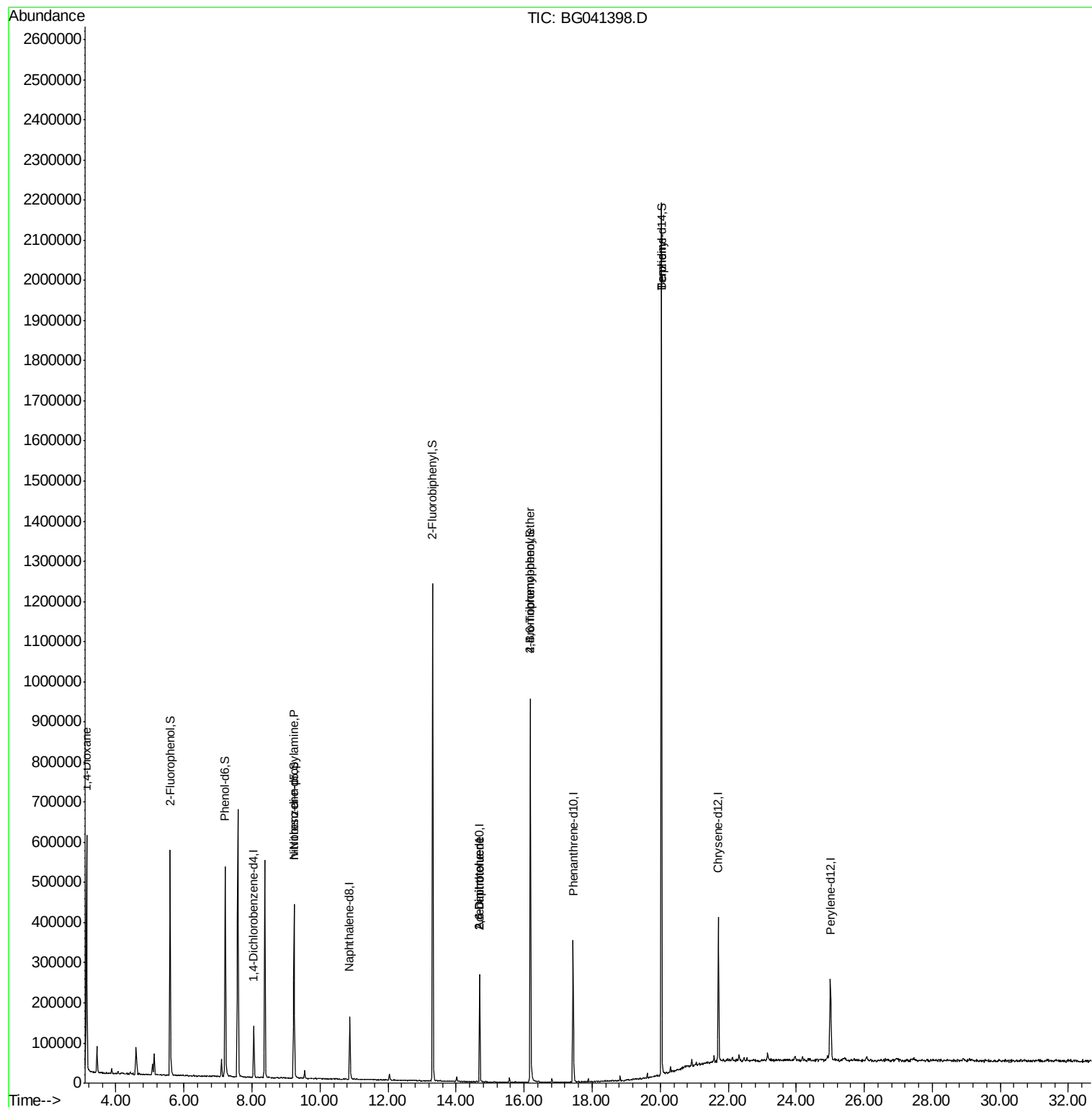
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	33839	20.00	ng	-0.03
21) Naphthalene-d8	10.87	136	130016	20.00	ng	-0.03
39) Acenaphthene-d10	14.69	164	94685	20.00	ng	-0.03
64) Phenanthrene-d10	17.44	188	227328	20.00	ng	-0.02
76) Chrysene-d12	21.71	240	217753	20.00	ng	-0.03
87) Perylene-d12	25.01	264	233330	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	221481	120.26	ng	-0.02
7) Phenol-d6	7.21	99	280592	105.11	ng	-0.02
23) Nitrobenzene-d5	9.23	82	264706	85.62	ng	-0.03
42) 2,4,6-Tribromophenol	16.18	330	183104	125.96	ng	-0.02
45) 2-Fluorobiphenyl	13.31	172	616066	88.43	ng	-0.03
79) Terphenyl-d14	20.04	244	1006781	91.63	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.14	88	6195	6.708	ng	# 1
19) n-Nitroso-di-n-propylamine	9.23	70	38878	18.007	ng	# 72
51) 2,6-Dinitrotoluene	14.69	165	12176	6.854	ng	# 17
57) 2,4-Dinitrotoluene	14.69	165	12176	4.689	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	13717	4.667	ng	# 1
77) Benzidine	20.04	184	16425	3.119	ng	# 93

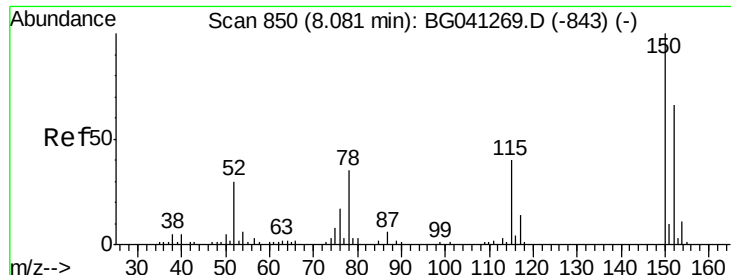
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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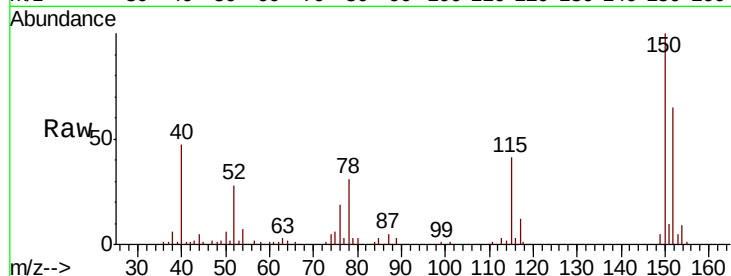




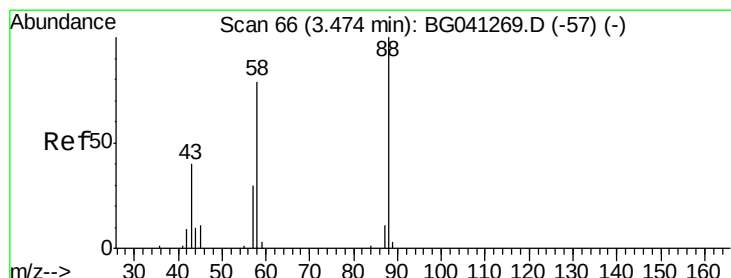
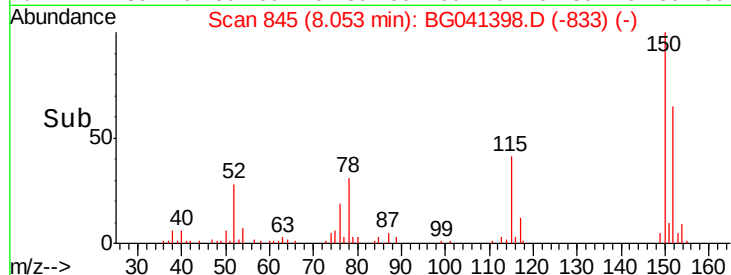
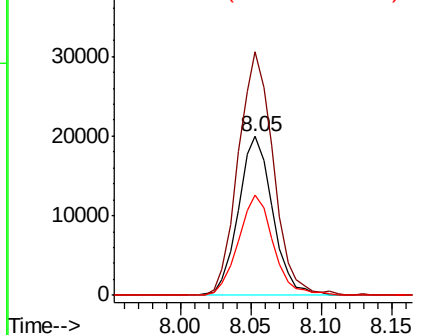
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 845
 Delta R.T. -0.03 min
 Lab File: BG041398.D
 Acq: 22 Jun 2019 7:21

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-GIS

Tot Ion:152 Resp: 33839
 Ion Ratio Lower Upper
 152 100
 150 153.1 120.6 181.0
 115 63.2 47.9 71.9

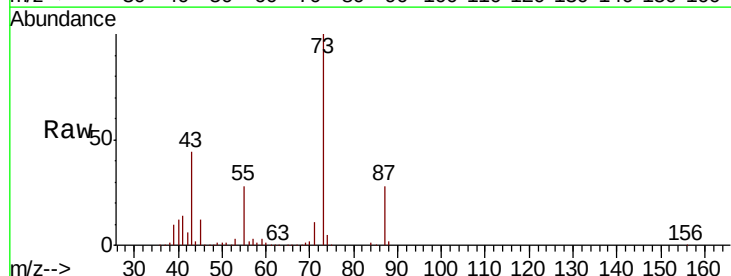


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

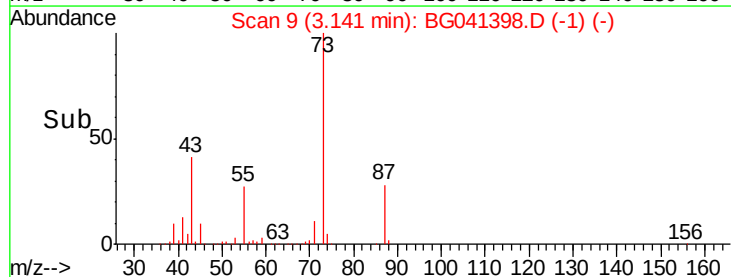
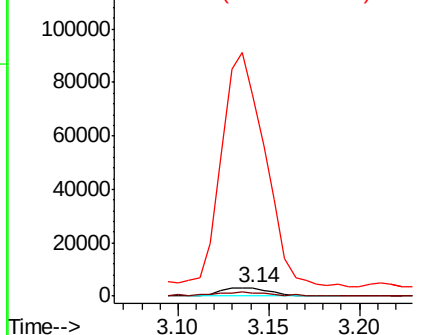


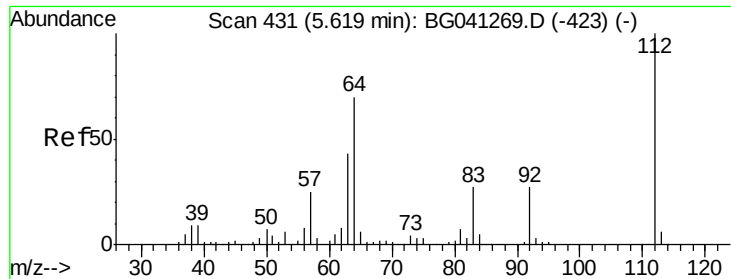
#2
 1,4-Dioxane
 Concen: 6.708 ng
 RT: 3.14 min Scan# 9
 Delta R.T. -0.33 min
 Lab File: BG041398.D
 Acq: 22 Jun 2019 7:21

Tgt Ion: 88 Resp: 6195
 Ion Ratio Lower Upper
 88 100
 58 36.7 59.7 89.5#
 43 2360.1 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: 120.261 ng

RT: 5.60 min Scan# 427

Delta R.T. -0.02 min

Lab File: BG041398.D

Acq: 22 Jun 2019 7:21

Instrument :

BNA_G

ClientSampleId :

TP-4-GIS

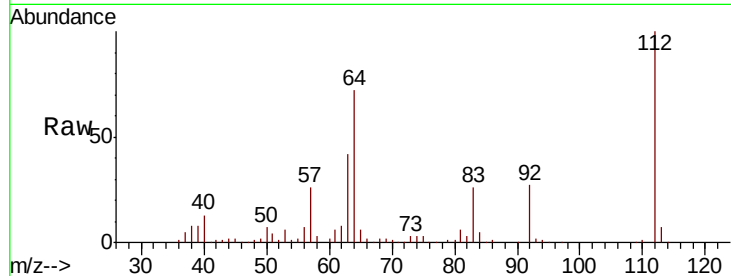
Tot Ion: 112 Resp: 221481

Ion Ratio Lower Upper

112 100

64 71.6 55.9 83.9

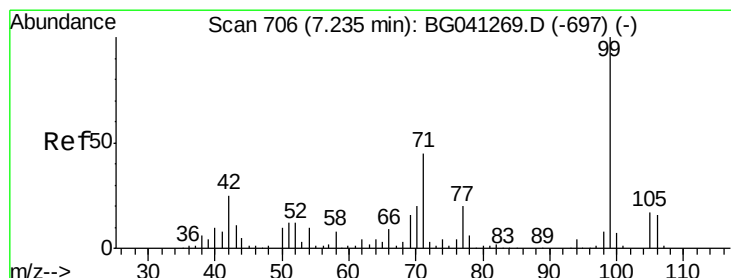
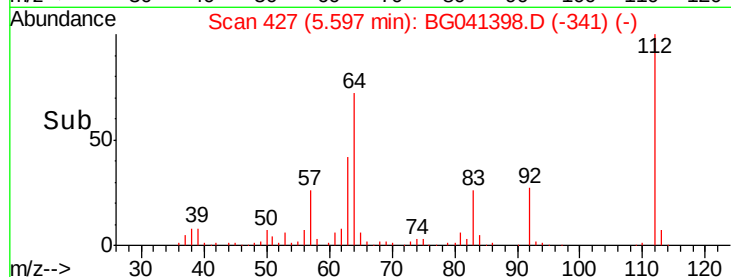
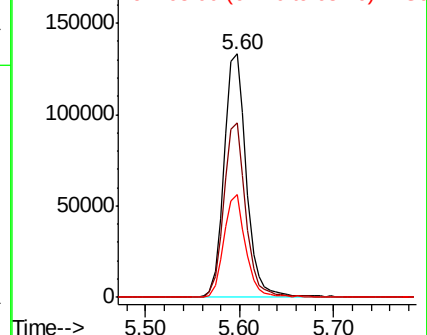
63 42.2 34.6 51.8



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: 105.110 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.02 min

Lab File: BG041398.D

Acq: 22 Jun 2019 7:21

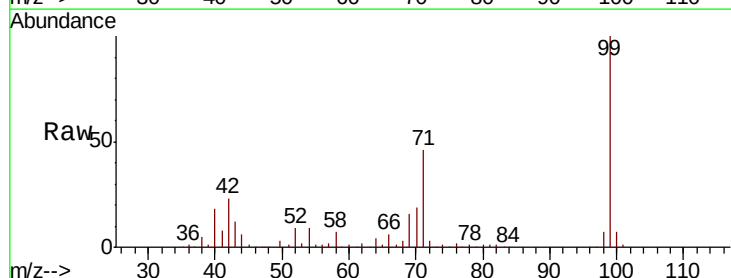
Tgt Ion: 99 Resp: 280592

Ion Ratio Lower Upper

99 100

42 23.4 19.9 29.9

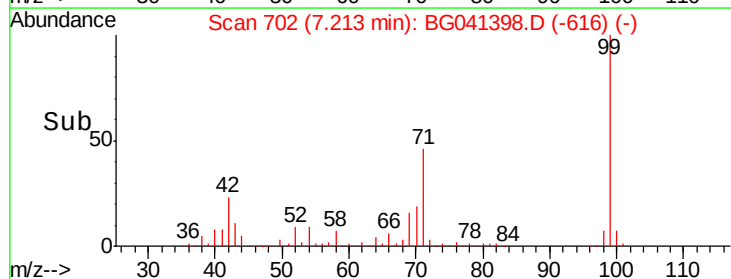
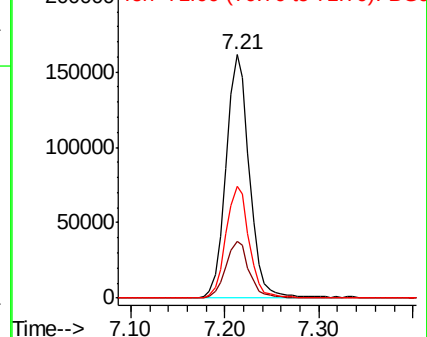
71 46.0 36.4 54.6

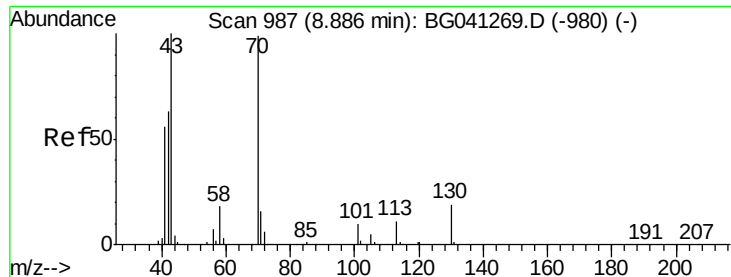


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 18.007 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.35 min

Lab File: BG041398.D

Acq: 22 Jun 2019 7:21

Instrument :

BNA_G

ClientSampleId :

TP-4-GIS

Tot Ion: 70 Resp: 38878

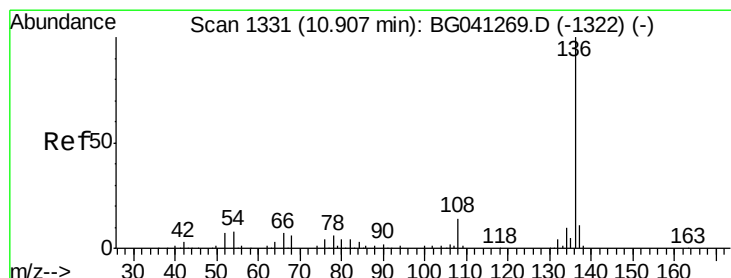
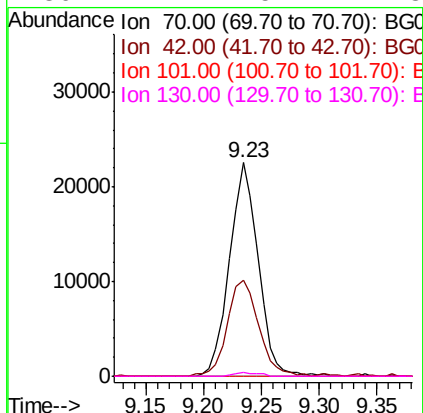
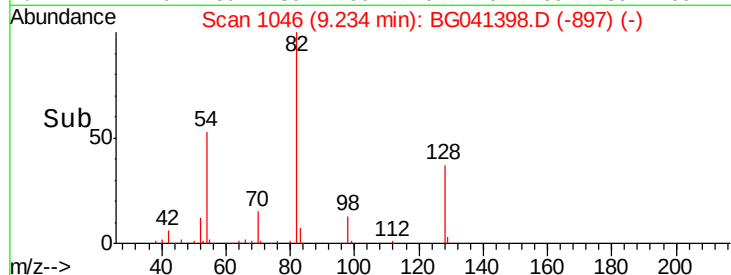
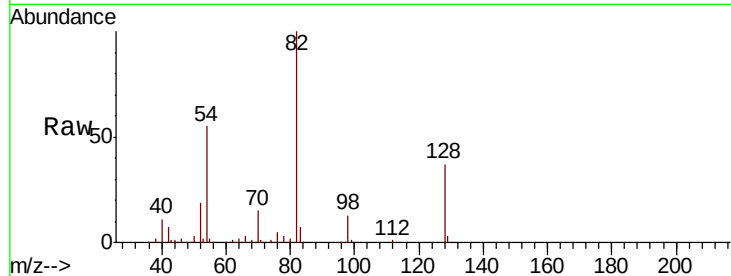
Ion Ratio Lower Upper

70 100

42 44.9 51.4 77.2#

101 0.0 8.2 12.2#

130 1.7 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: BG041398.D

Acq: 22 Jun 2019 7:21

Tgt Ion: 136 Resp: 130016

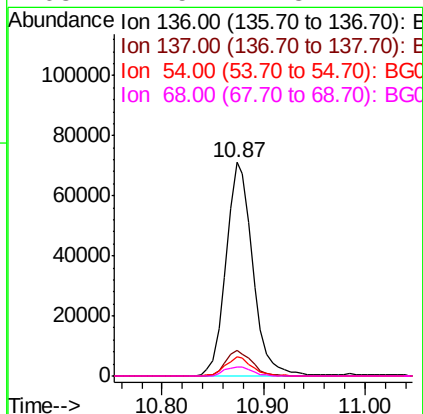
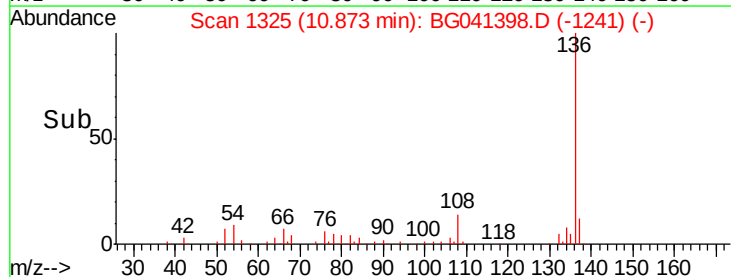
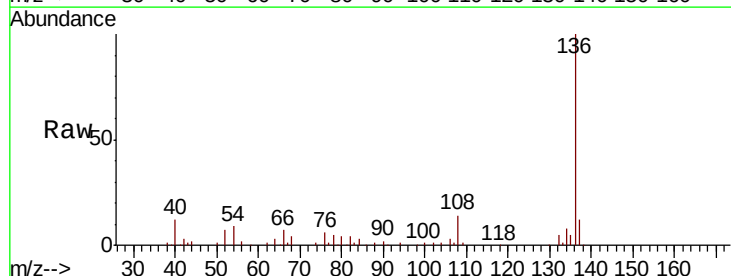
Ion Ratio Lower Upper

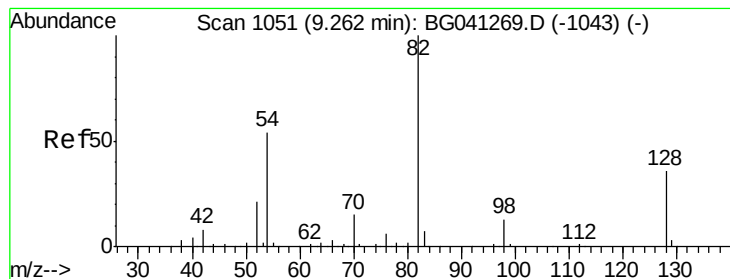
136 100

137 11.8 8.8 13.2

54 8.7 6.4 9.6

68 4.5 4.8 7.2#





#23

Nitrobenzene-d5

Concen: 85.624 ng

RT: 9.23 min Scan# 1046

Delta R.T. -0.03 min

Lab File: BG041398.D

Acq: 22 Jun 2019 7:21

Instrument :

BNA_G

ClientSampleId :

TP-4-GIS

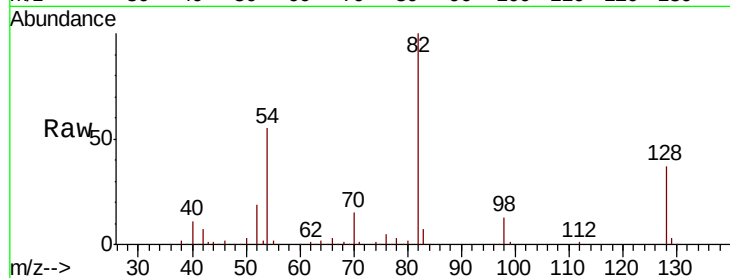
Tot Ion: 82 Resp: 264706

Ion Ratio Lower Upper

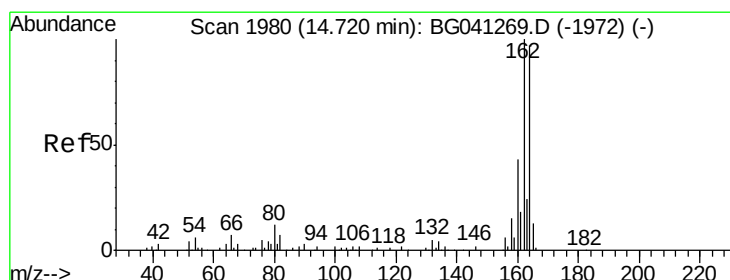
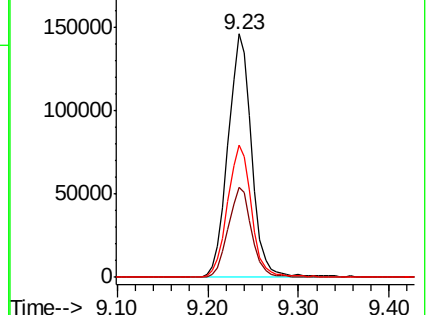
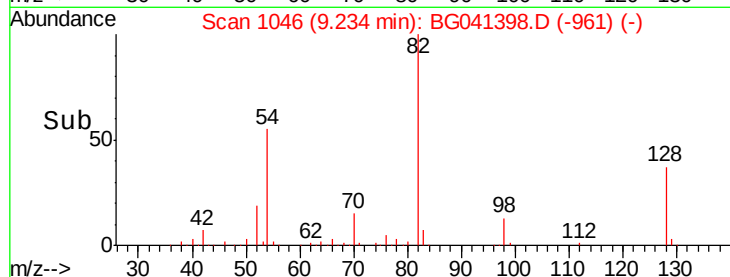
82 100

128 36.9 29.2 43.8

54 54.6 43.4 65.0



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.03 min

Lab File: BG041398.D

Acq: 22 Jun 2019 7:21

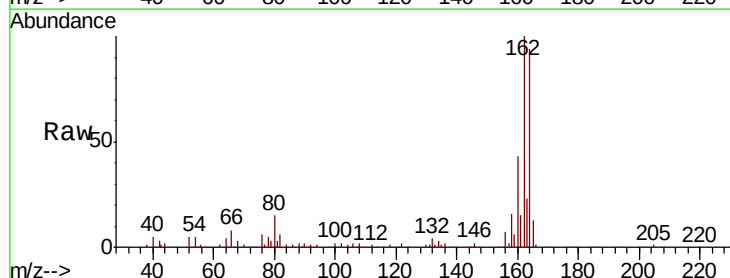
Tgt Ion:164 Resp: 94685

Ion Ratio Lower Upper

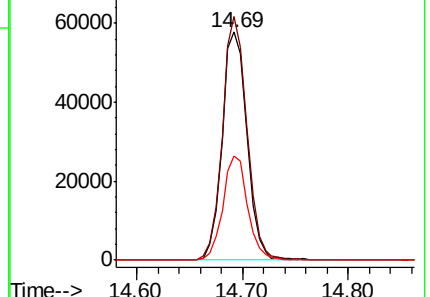
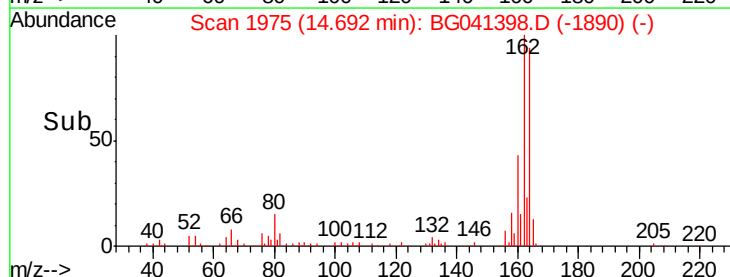
164 100

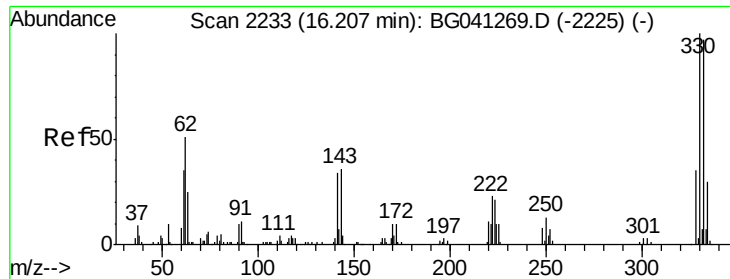
162 106.8 82.8 124.2

160 45.7 35.8 53.8



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

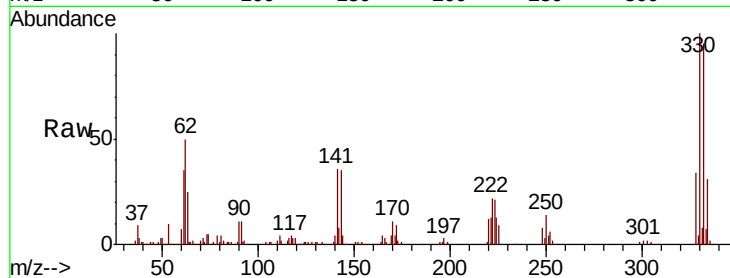




#42
 2,4,6-Tribromophenol
 Concen: 125.964 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.02 min
 Lab File: BG041398.D
 Acq: 22 Jun 2019 7:21

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-GIS

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	75.5	113.3
141	35.9	29.0	43.4

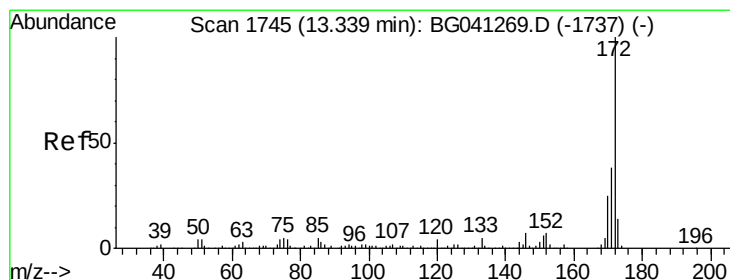
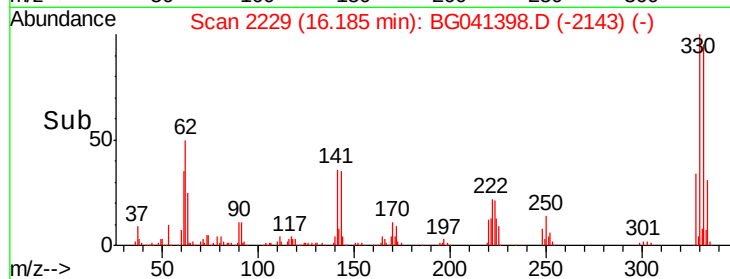
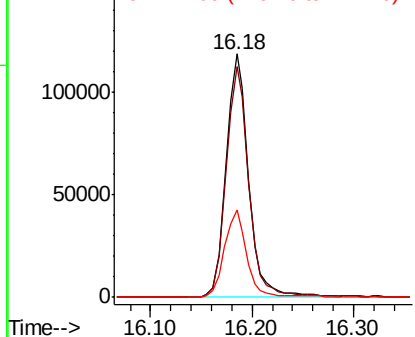


Abundance

Ion 329.80 (329.50 to 330.50): E

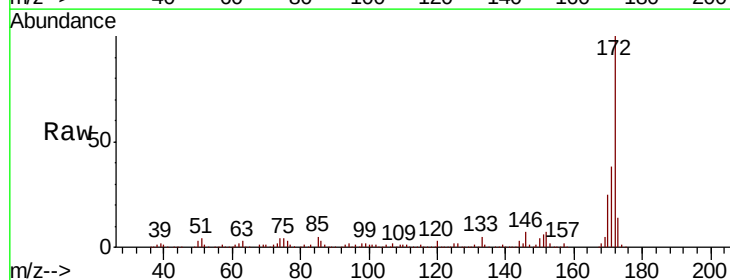
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 88.433 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.03 min
 Lab File: BG041398.D
 Acq: 22 Jun 2019 7:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.0	45.0
170	24.9	19.8	29.6

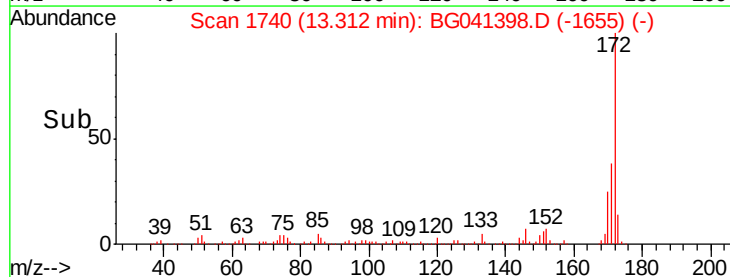
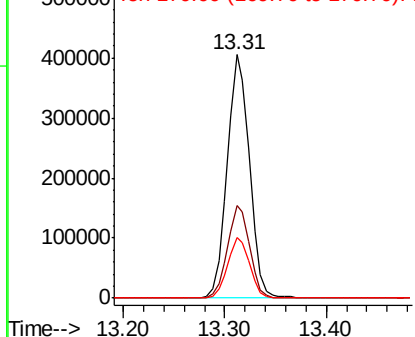


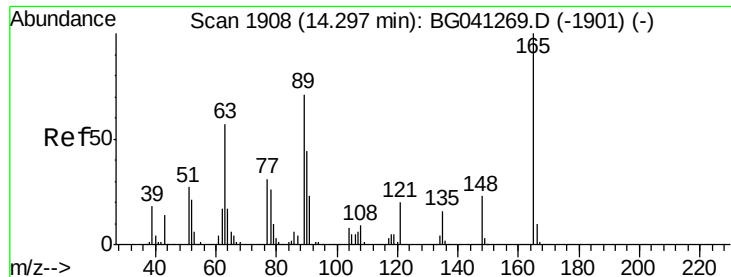
Abundance

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: 6.854 ng

RT: 14.69 min Scan# 1975

Delta R.T. 0.40 min

Lab File: BG041398.D

Acq: 22 Jun 2019 7:21

Instrument :

BNA_G

ClientSampled :

TP-4-GIS

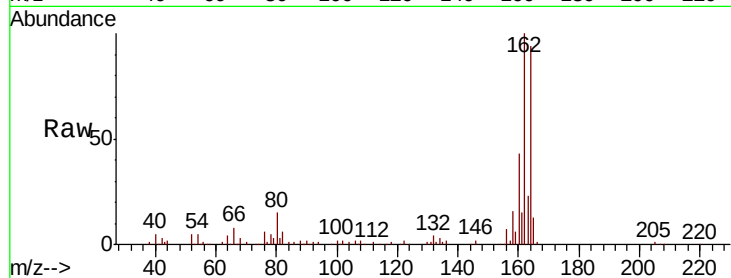
Tot Ion:165 Resp: 12176

Ion Ratio Lower Upper

165 100

63 0.0 55.4 83.0#

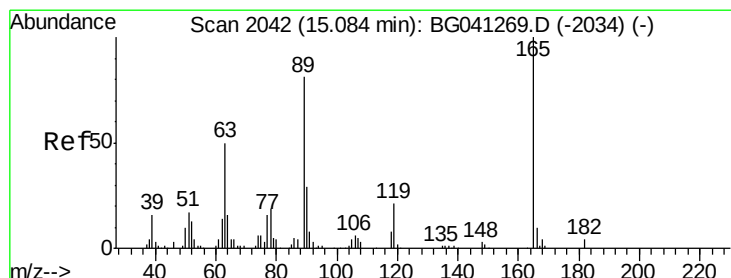
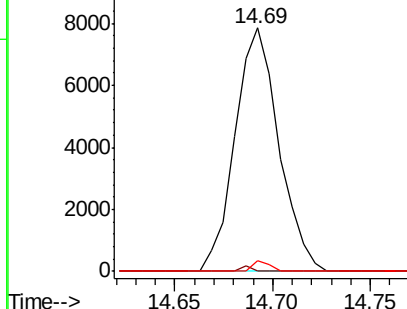
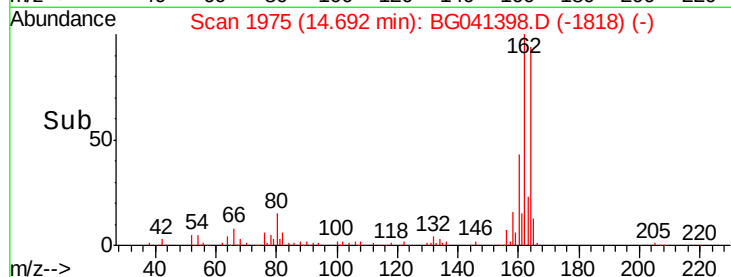
89 4.1 56.5 84.7#



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



#57

2,4-Dinitrotoluene

Concen: 4.689 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.39 min

Lab File: BG041398.D

Acq: 22 Jun 2019 7:21

Tgt Ion:165 Resp: 12176

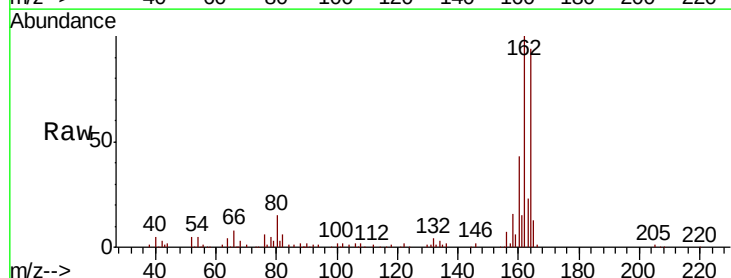
Ion Ratio Lower Upper

165 100

63 0.0 40.0 60.0#

89 4.1 64.6 96.8#

182 0.0 2.9 4.3#

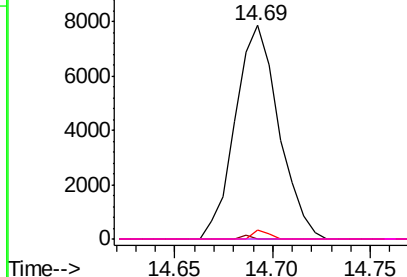
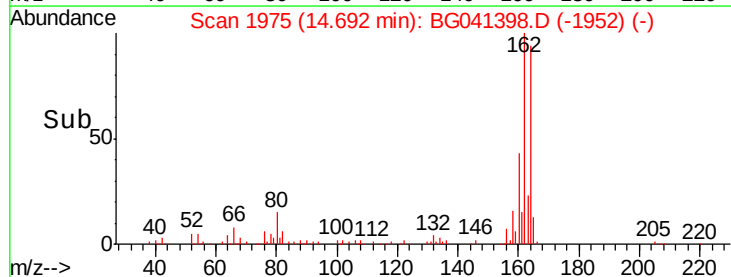


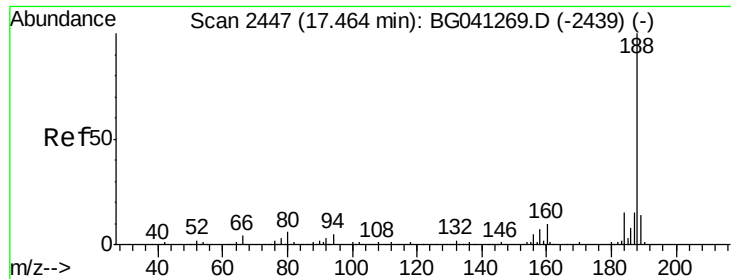
Abundance Ion 165.00 (164.70 to 165.70): E

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# 2443

Delta R.T. -0.02 min

Lab File: BG041398.D

Acq: 22 Jun 2019 7:21

Instrument :

BNA_G

ClientSampleId :

TP-4-GIS

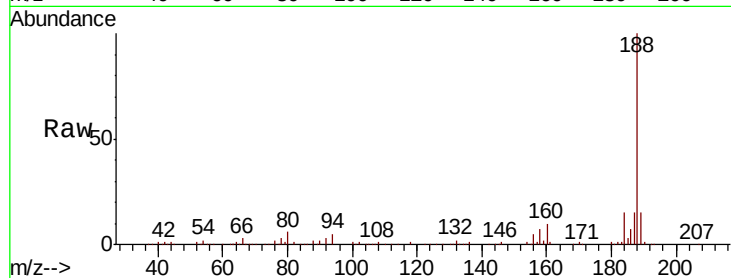
Tot Ion:188 Resp: 227328

Ion Ratio Lower Upper

188 100

94 5.2 3.6 5.4

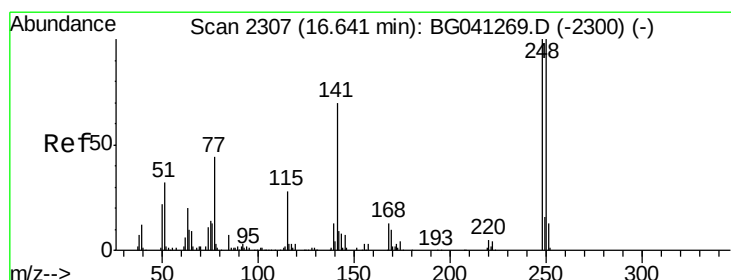
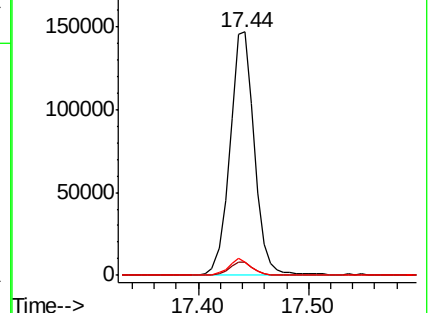
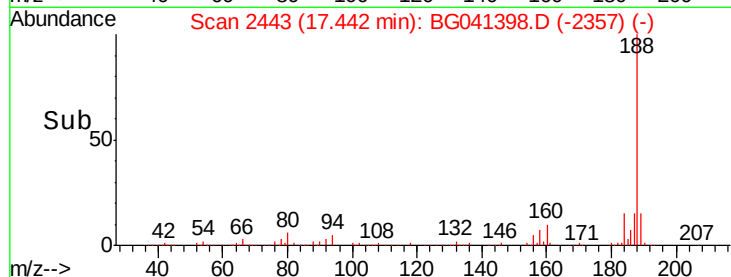
80 5.5 4.8 7.2



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: 4.667 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.46 min

Lab File: BG041398.D

Acq: 22 Jun 2019 7:21

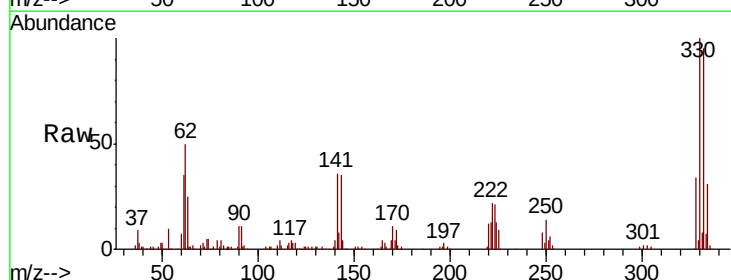
Tgt Ion:248 Resp: 13717

Ion Ratio Lower Upper

248 100

250 185.3 79.8 119.8#

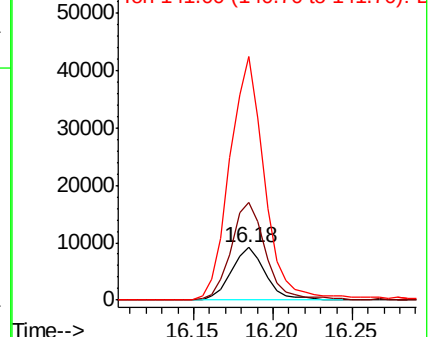
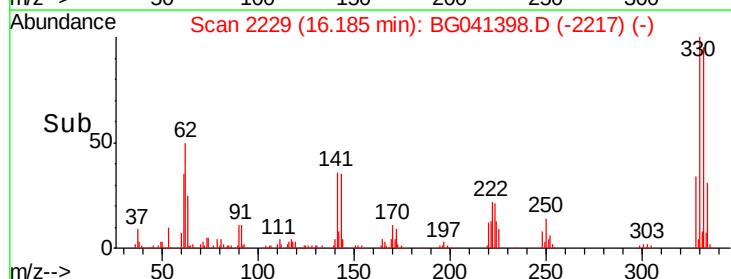
141 462.6 55.8 83.6#

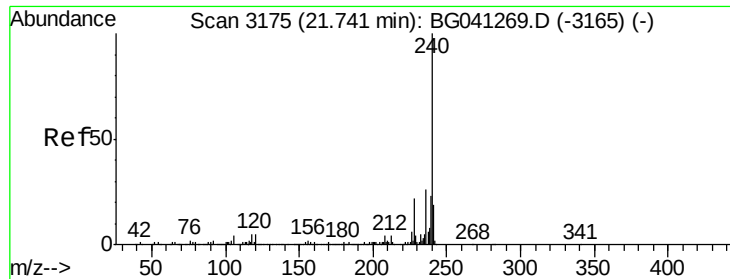


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

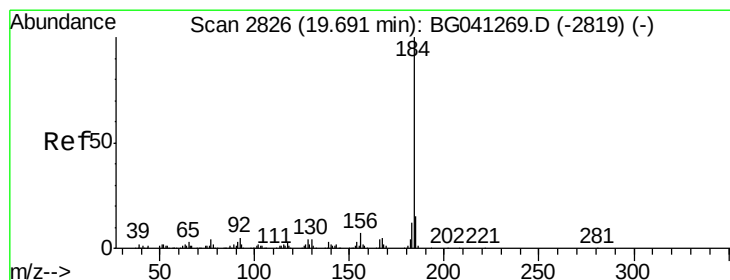
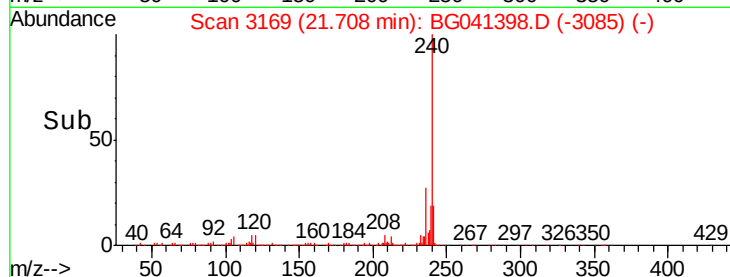
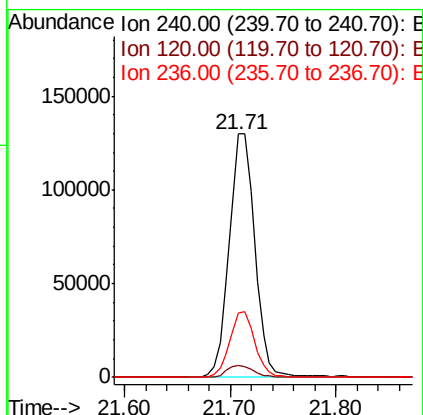
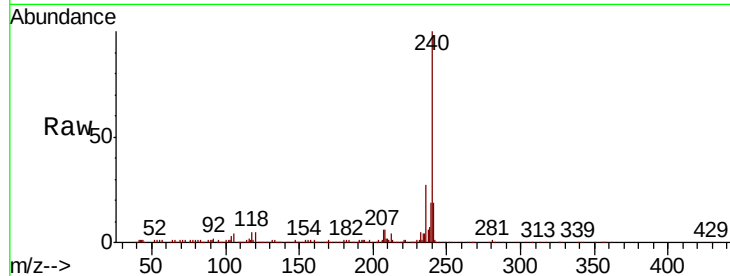




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3169
Delta R.T. -0.03 min
Lab File: BG041398.D
Acq: 22 Jun 2019 7:21

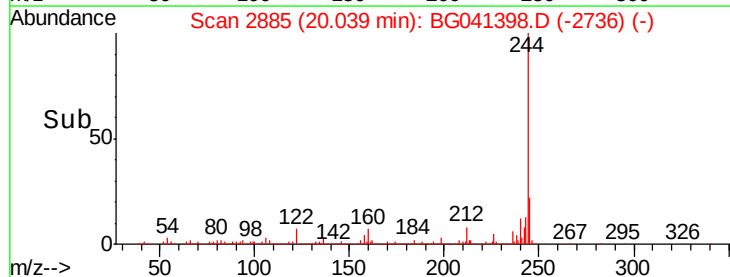
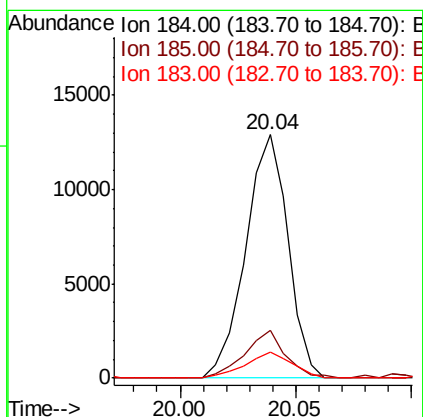
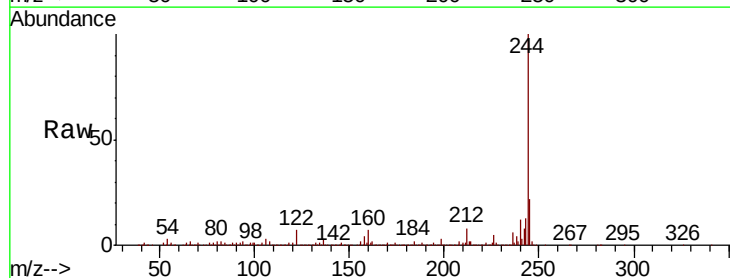
Instrument :
BNA_G
ClientSampleId :
TP-4-GIS

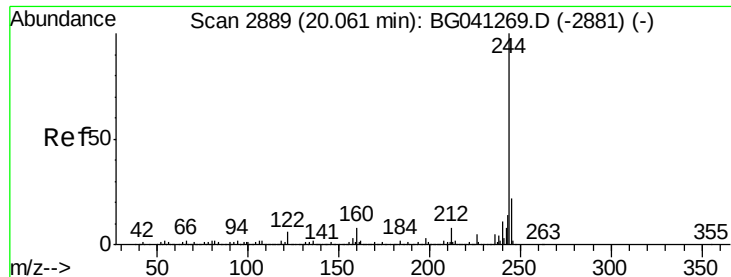
Tot Ion:240 Resp: 217753
Ion Ratio Lower Upper
240 100
120 5.1 3.7 5.5
236 26.6 21.1 31.7



#77
Benzidine
Concen: 3.119 ng
RT: 20.04 min Scan# 2885
Delta R.T. 0.35 min
Lab File: BG041398.D
Acq: 22 Jun 2019 7:21

Tgt Ion:184 Resp: 16425
Ion Ratio Lower Upper
184 100
185 19.5 12.2 18.2#
183 10.5 9.6 14.4





#79

Terphenyl-d14

Concen: 91.628 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.02 min

Lab File: BG041398.D

Acq: 22 Jun 2019 7:21

Instrument :

BNA_G

ClientSampleId :

TP-4-GIS

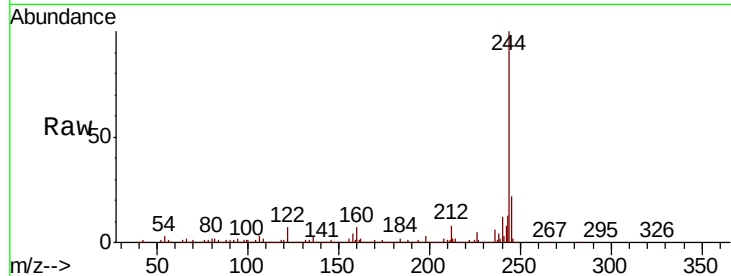
Tot Ion:244 Resp: 1006781

Ion Ratio Lower Upper

244 100

212 8.4 6.6 10.0

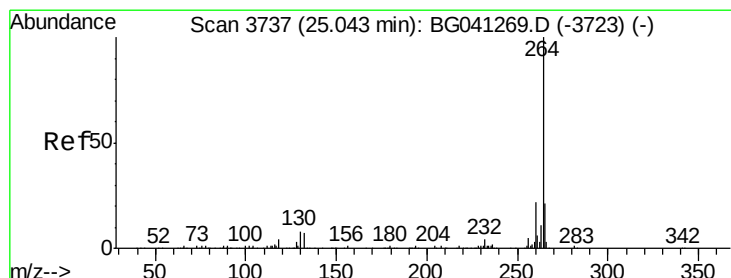
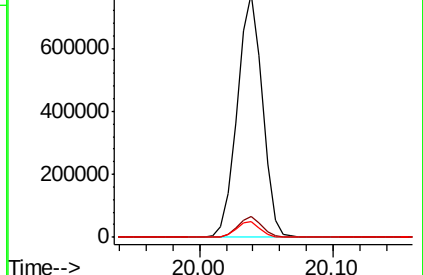
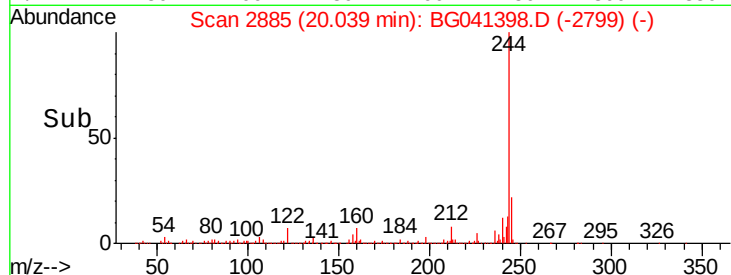
122 6.7 5.0 7.4



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: 25.01 min Scan# 3731

Delta R.T. -0.03 min

Lab File: BG041398.D

Acq: 22 Jun 2019 7:21

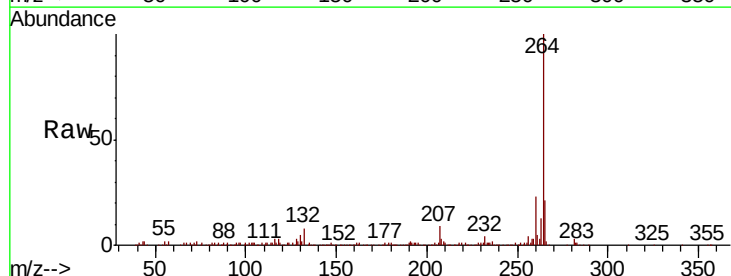
Tgt Ion:264 Resp: 233330

Ion Ratio Lower Upper

264 100

260 22.7 17.4 26.2

265 21.2 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

