

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062119\
 Data File : BG041397.D
 Acq On : 22 Jun 2019 6:43
 Operator : HP/JU
 Sample : K3455-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1-MH

Quant Time: Jun 24 01:37:31 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

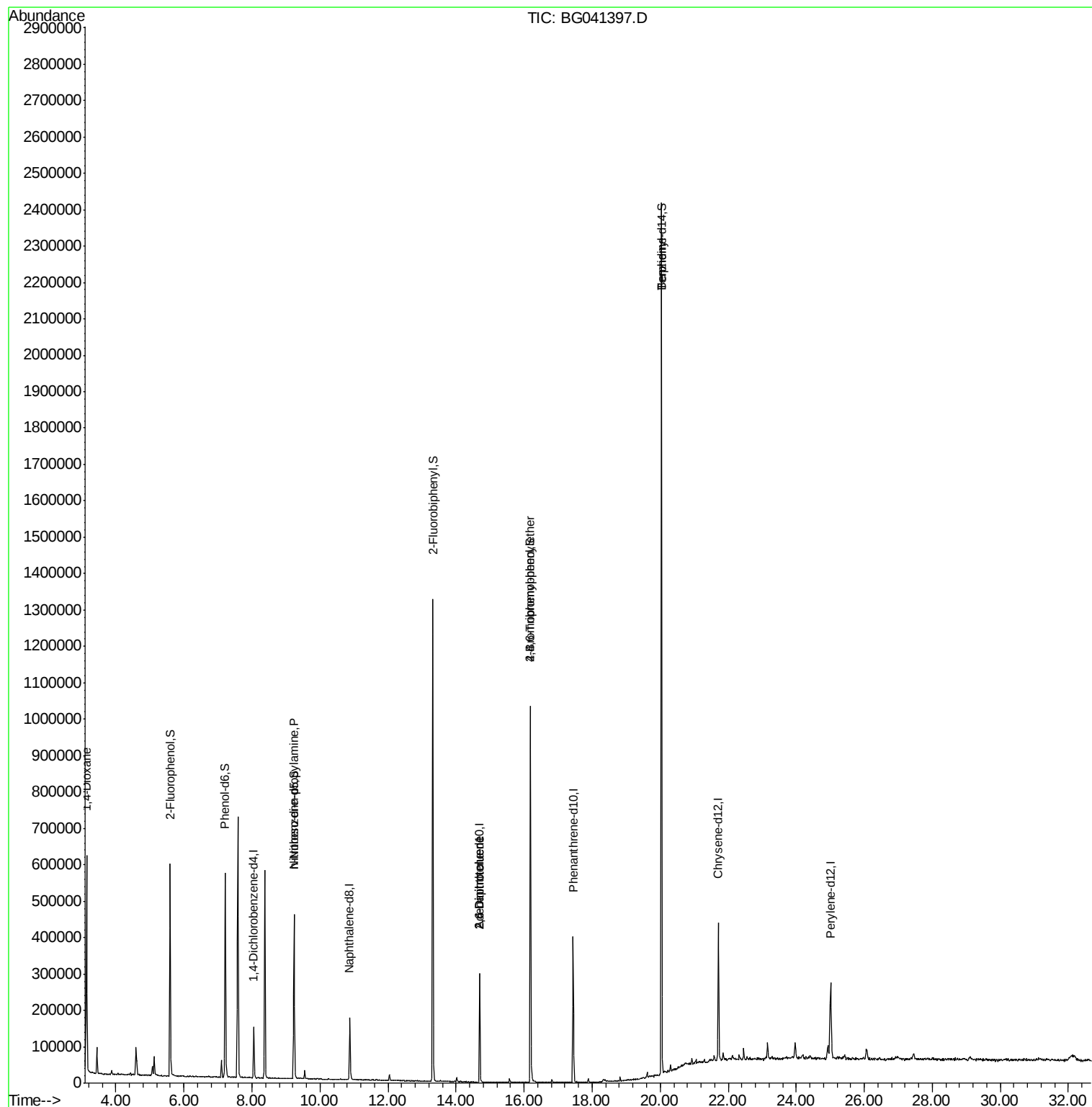
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	37145	20.00	ng	-0.03
21) Naphthalene-d8	10.87	136	144640	20.00	ng	-0.03
39) Acenaphthene-d10	14.69	164	104795	20.00	ng	-0.03
64) Phenanthrene-d10	17.44	188	250905	20.00	ng	-0.02
76) Chrysene-d12	21.71	240	239884	20.00	ng	-0.03
87) Perylene-d12	25.01	264	256196	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	234943	116.22	ng	-0.02
7) Phenol-d6	7.21	99	298104	101.73	ng	-0.02
23) Nitrobenzene-d5	9.23	82	283956	82.56	ng	-0.03
42) 2,4,6-Tribromophenol	16.18	330	200533	124.64	ng	-0.02
45) 2-Fluorobiphenyl	13.32	172	660352	85.65	ng	-0.02
79) Terphenyl-d14	20.04	244	1081772	89.37	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.14	88	6336	6.250	ng	# 1
19) n-Nitroso-di-n-propylamine	9.23	70	40594	17.128	ng	# 80
51) 2,6-Dinitrotoluene	14.69	165	13563	6.899	ng	# 16
57) 2,4-Dinitrotoluene	14.69	165	13563	4.719	ng	# 19
67) 4-Bromophenyl-phenylether	16.18	248	14320	4.414	ng	# 1
77) Benzidine	20.04	184	18940	3.264	ng	98

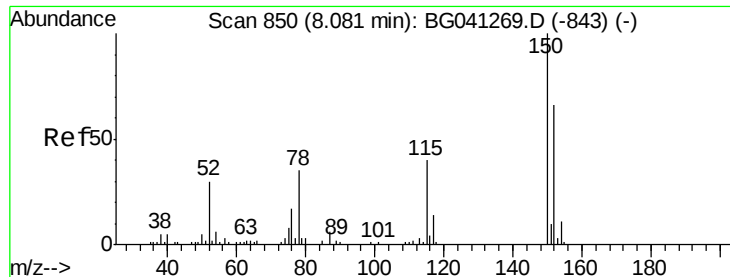
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG041397.D

Acq: 22 Jun 2019 6:43

Instrument :

BNA_G

ClientSampleId :

TP-1-MH

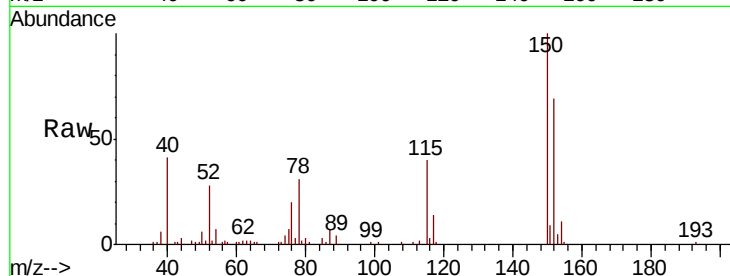
Tot Ion:152 Resp: 37145

Ion Ratio Lower Upper

152 100

150 144.2 120.6 181.0

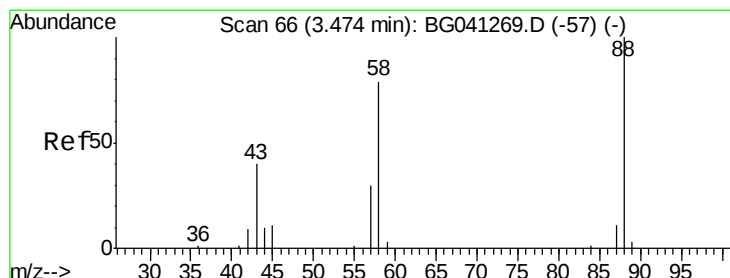
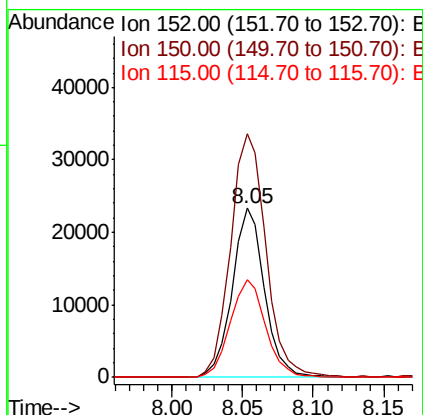
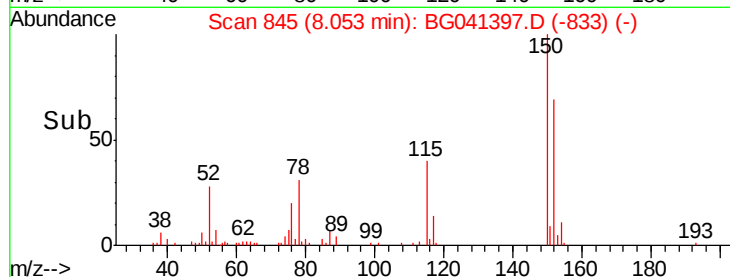
115 57.8 47.9 71.9



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: 6.250 ng

RT: 3.14 min Scan# 8

Delta R.T. -0.34 min

Lab File: BG041397.D

Acq: 22 Jun 2019 6:43

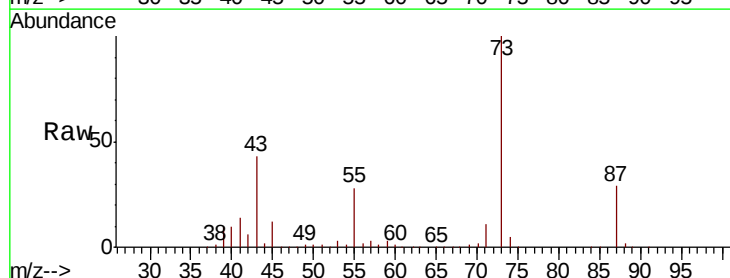
Tgt Ion: 88 Resp: 6336

Ion Ratio Lower Upper

88 100

58 39.1 59.7 89.5#

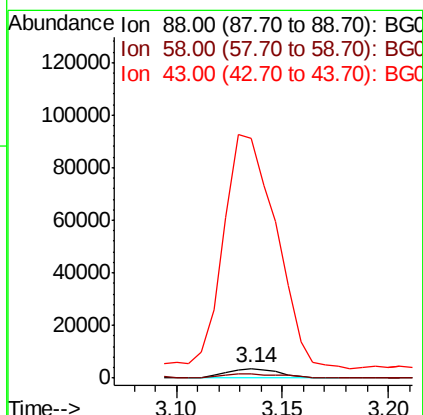
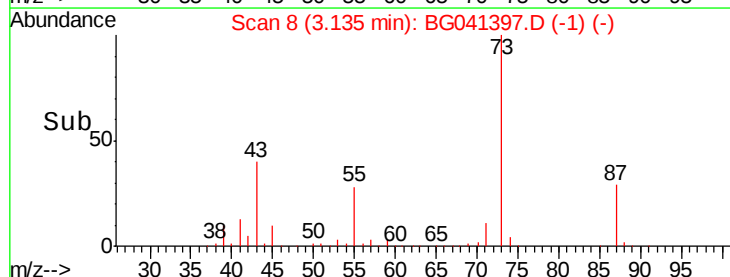
43 2411.6 31.9 47.9#

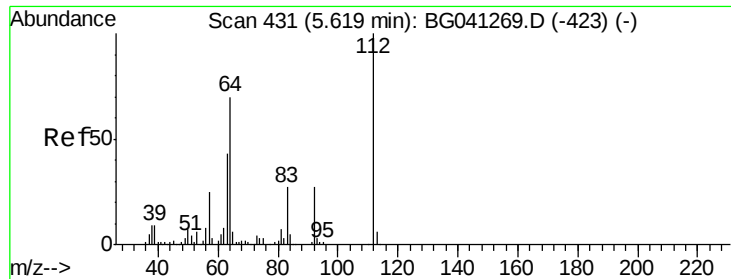


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 116.217 ng

RT: 5.60 min Scan# 427

Delta R.T. -0.02 min

Lab File: BG041397.D

Acq: 22 Jun 2019 6:43

Instrument :

BNA_G

ClientSampleId :

TP-1-MH

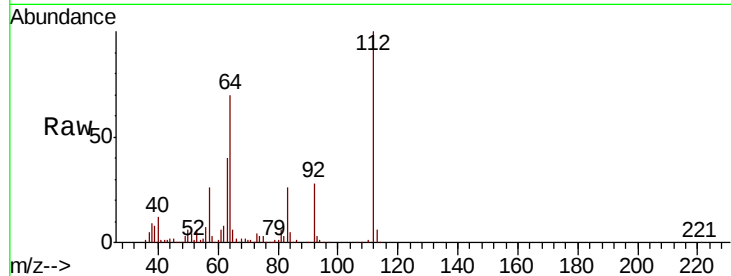
Tot Ion:112 Resp: 234943

Ion Ratio Lower Upper

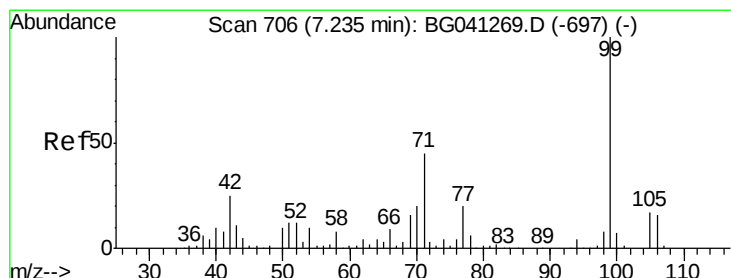
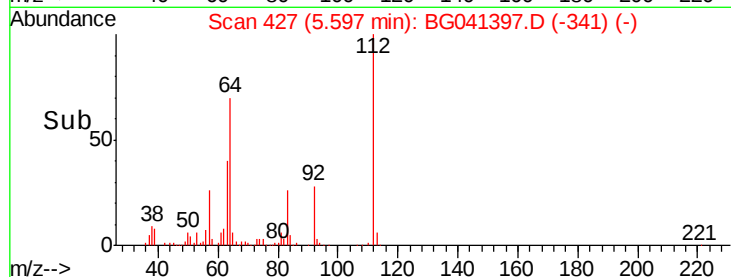
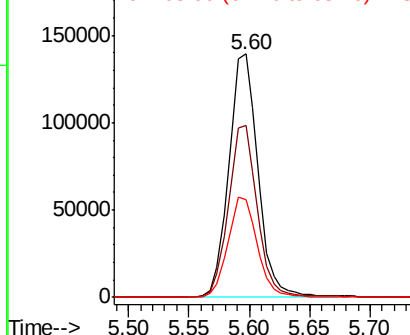
112 100

64 70.4 55.9 83.9

63 40.0 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: 101.731 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.02 min

Lab File: BG041397.D

Acq: 22 Jun 2019 6:43

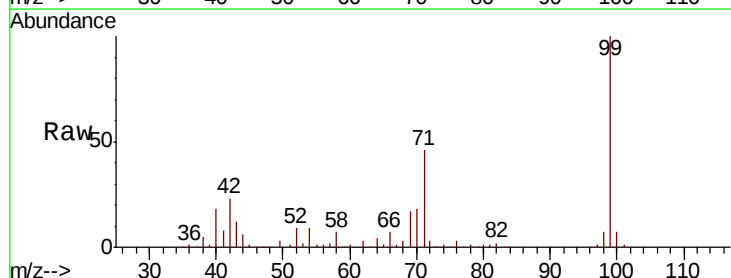
Tgt Ion: 99 Resp: 298104

Ion Ratio Lower Upper

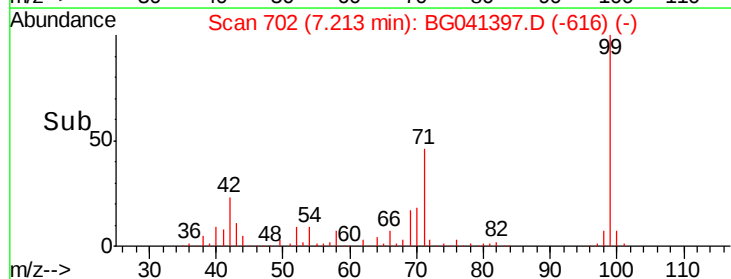
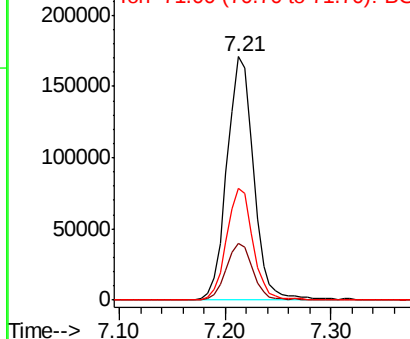
99 100

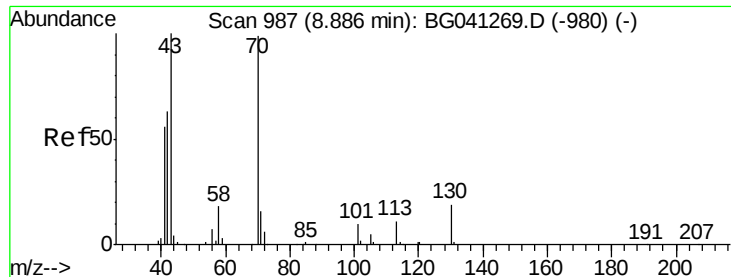
42 23.2 19.9 29.9

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: 17.128 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.35 min

Lab File: BG041397.D

Acq: 22 Jun 2019 6:43

Instrument :

BNA_G

ClientSampleId :

TP-1-MH

Tot Ion: 70 Resp: 40594

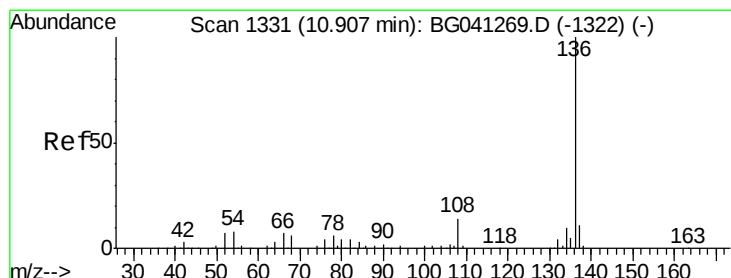
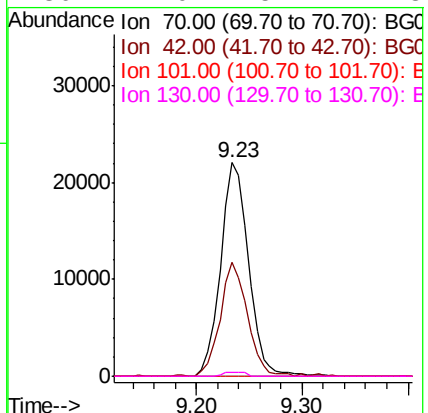
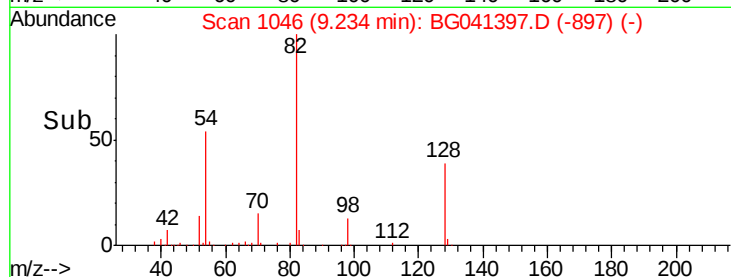
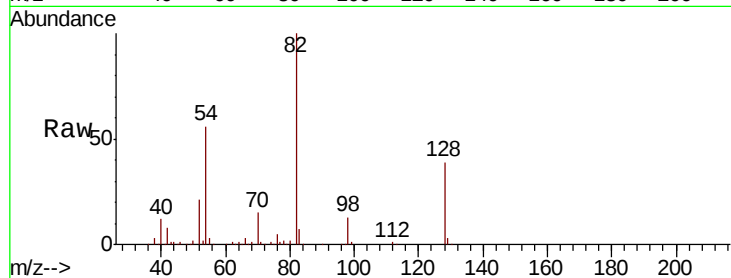
Ion Ratio Lower Upper

70 100

42 53.3 51.4 77.2

101 0.0 8.2 12.2#

130 2.0 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: BG041397.D

Acq: 22 Jun 2019 6:43

Tgt Ion: 136 Resp: 144640

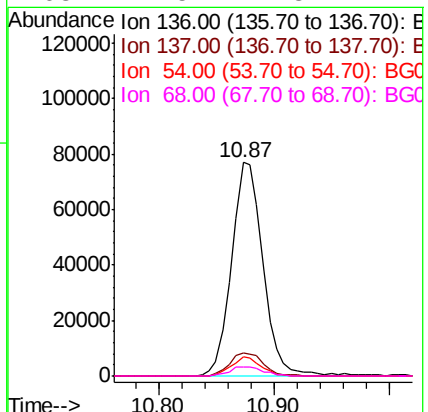
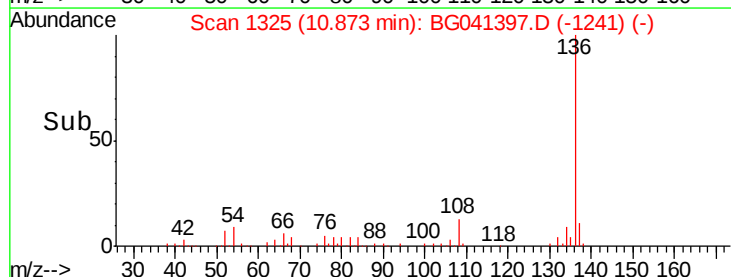
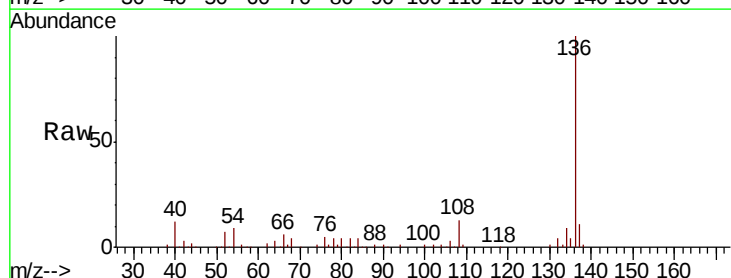
Ion Ratio Lower Upper

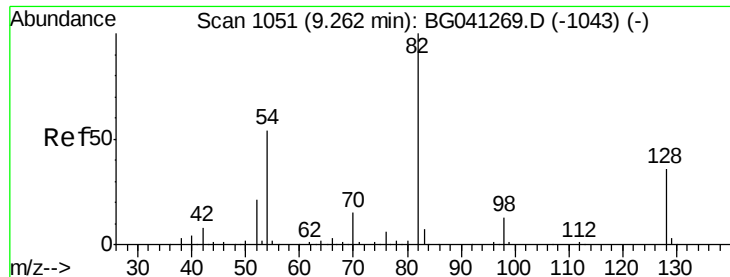
136 100

137 10.8 8.8 13.2

54 9.3 6.4 9.6

68 4.5 4.8 7.2#

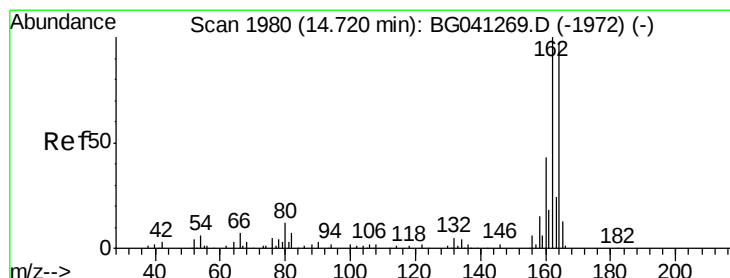
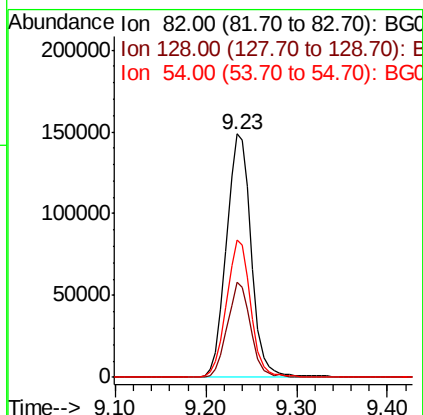
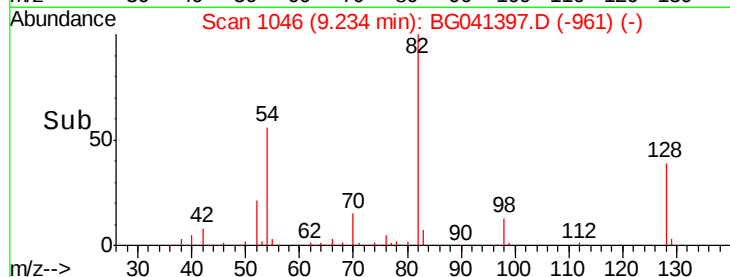
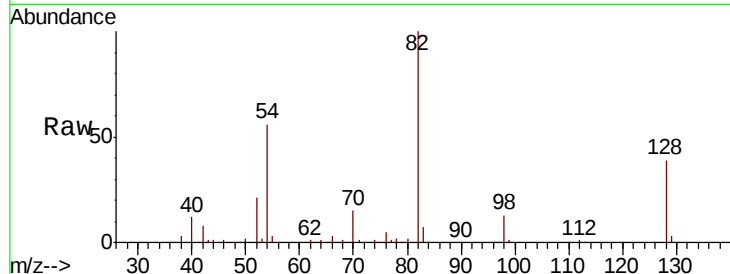




#23
 Nitrobenzene-d5
 Concen: 82.564 ng
 RT: 9.23 min Scan# 1046
 Delta R.T. -0.03 min
 Lab File: BG041397.D
 Acq: 22 Jun 2019 6:43

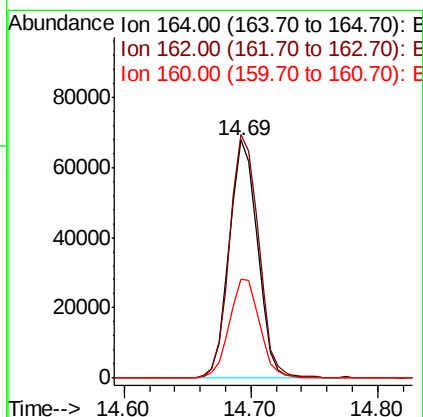
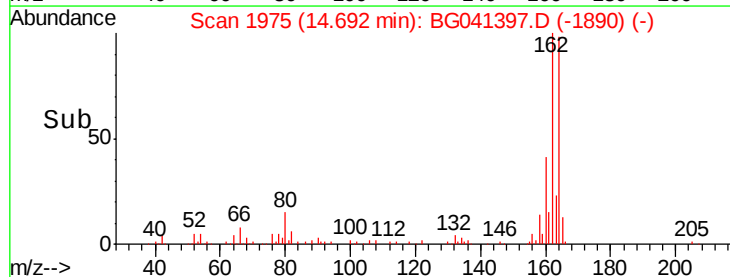
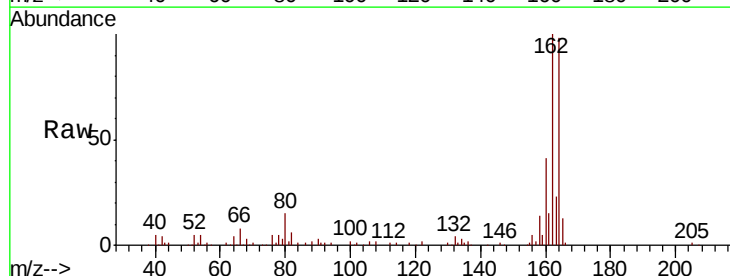
Instrument :
 BNA_G
 ClientSampleId :
 TP-1-MH

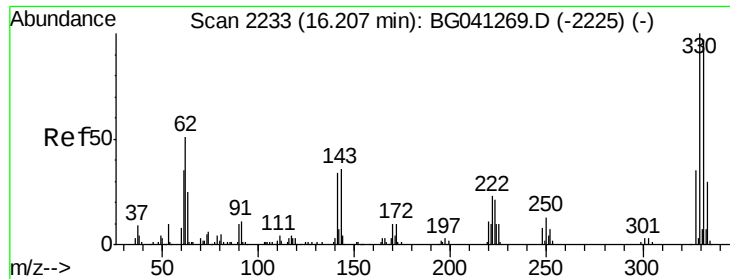
Tot Ion	Ratio	Lower	Upper
82	100		
128	39.1	29.2	43.8
54	56.3	43.4	65.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.03 min
 Lab File: BG041397.D
 Acq: 22 Jun 2019 6:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.8	124.2
160	41.4	35.8	53.8

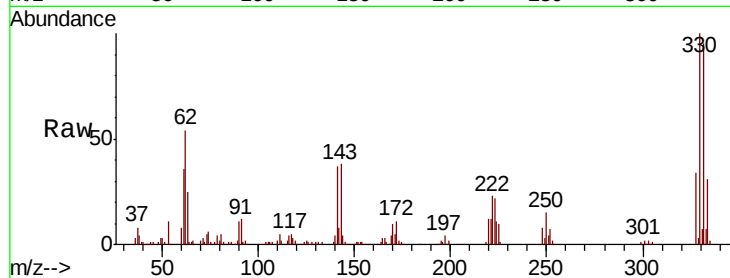




#42
 2,4,6-Tribromophenol
 Concen: 124.645 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.02 min
 Lab File: BG041397.D
 Acq: 22 Jun 2019 6:43

Instrument :
 BNA_G
 ClientSampleId :
 TP-1-MH

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	75.5	113.3
141	36.2	29.0	43.4

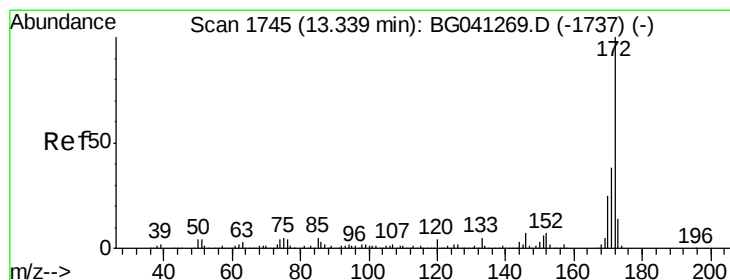
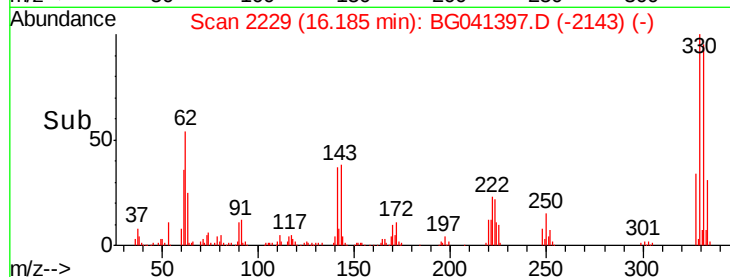
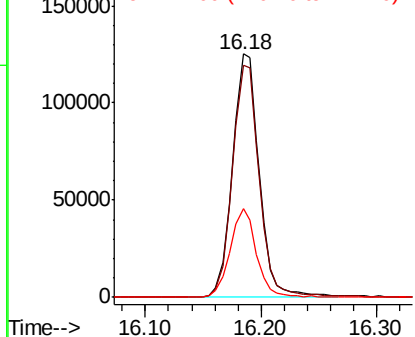


Abundance

Ion 329.80 (329.50 to 330.50): E

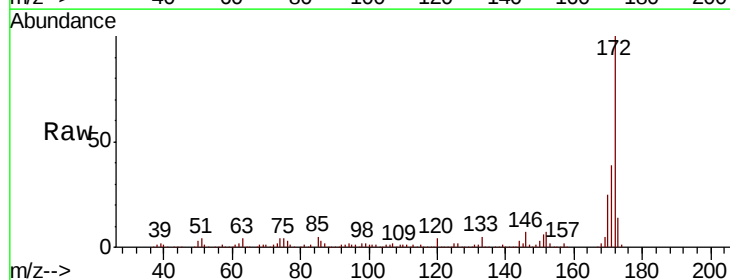
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 85.645 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.02 min
 Lab File: BG041397.D
 Acq: 22 Jun 2019 6:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.8	30.0	45.0
170	25.4	19.8	29.6

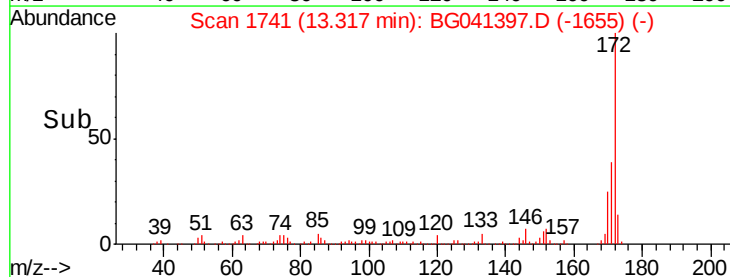
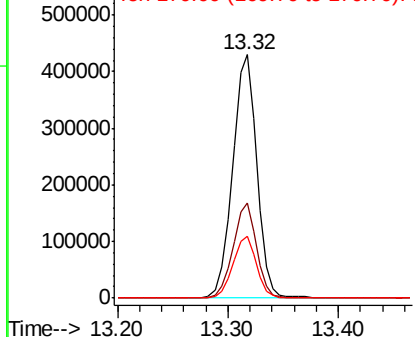


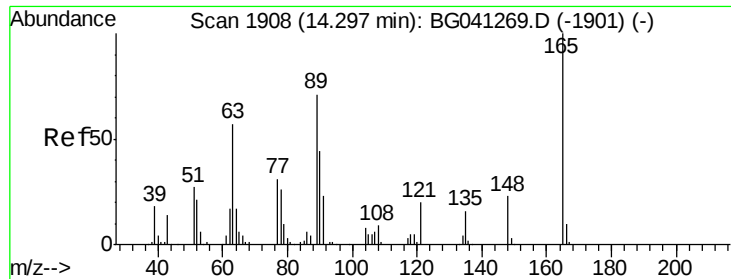
Abundance

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: 6.899 ng

RT: 14.69 min Scan# 1975

Delta R.T. 0.40 min

Lab File: BG041397.D

Acq: 22 Jun 2019 6:43

Instrument :

BNA_G

ClientSampleId :

TP-1-MH

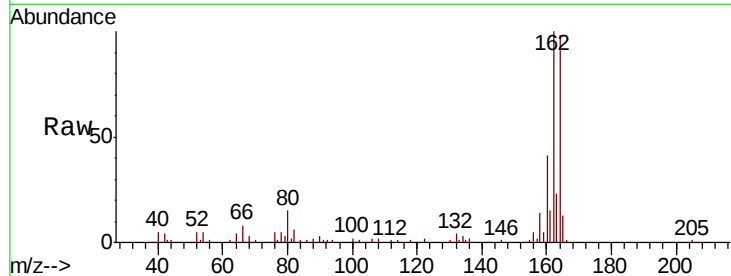
Tot Ion:165 Resp: 13563

Ion Ratio Lower Upper

165 100

63 1.9 55.4 83.0#

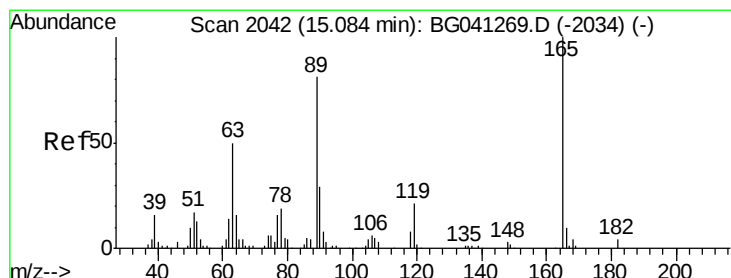
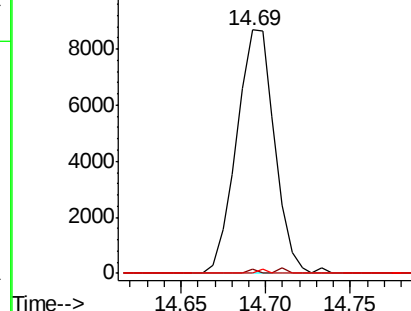
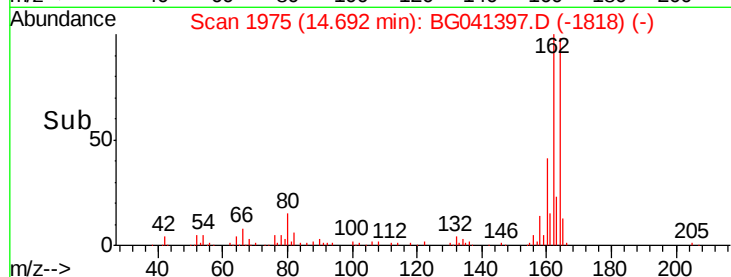
89 0.0 56.5 84.7#



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: 4.719 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.39 min

Lab File: BG041397.D

Acq: 22 Jun 2019 6:43

Tgt Ion:165 Resp: 13563

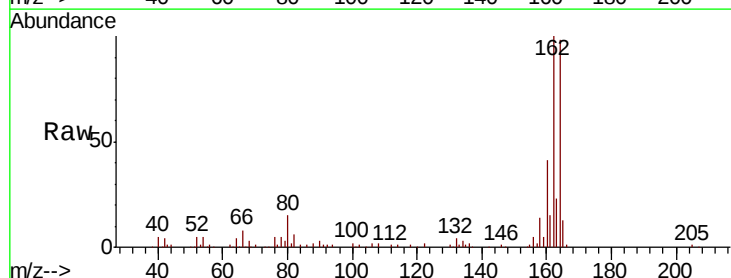
Ion Ratio Lower Upper

165 100

63 1.9 40.0 60.0#

89 0.0 64.6 96.8#

182 0.0 2.9 4.3#

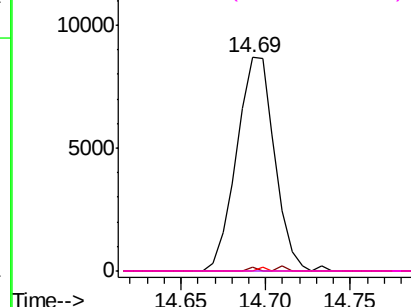
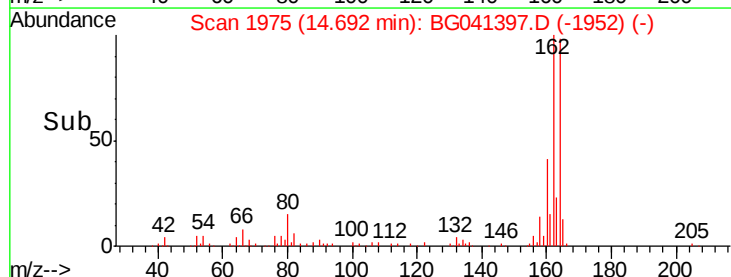


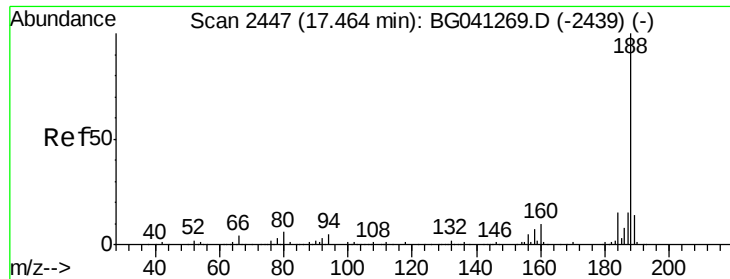
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG041397.D

Acq: 22 Jun 2019 6:43

Instrument :

BNA_G

ClientSampleId :

TP-1-MH

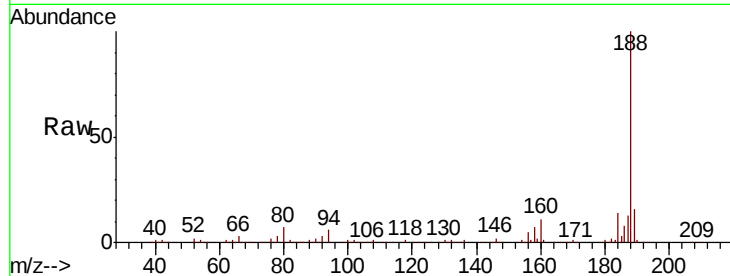
Tot Ion:188 Resp: 250905

Ion Ratio Lower Upper

188 100

94 5.9 3.6 5.4#

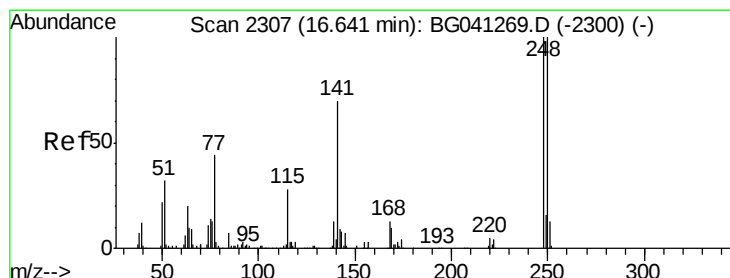
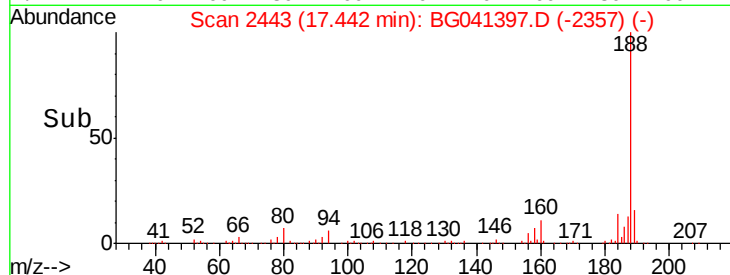
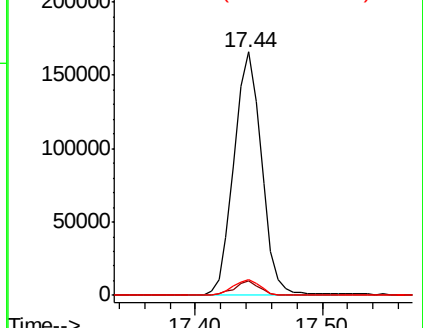
80 6.6 4.8 7.2



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: 4.414 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.46 min

Lab File: BG041397.D

Acq: 22 Jun 2019 6:43

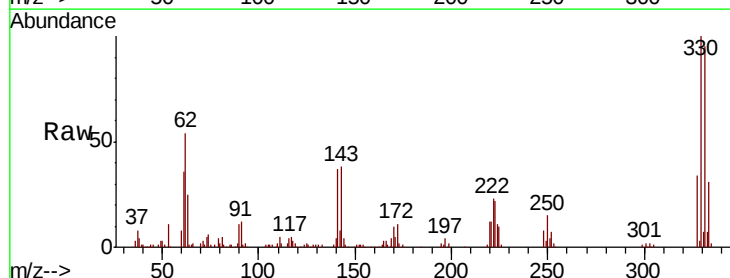
Tgt Ion:248 Resp: 14320

Ion Ratio Lower Upper

248 100

250 191.0 79.8 119.8#

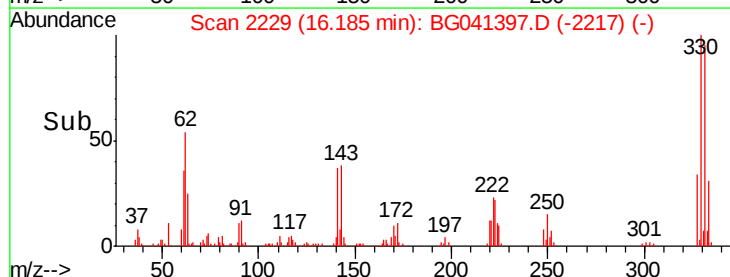
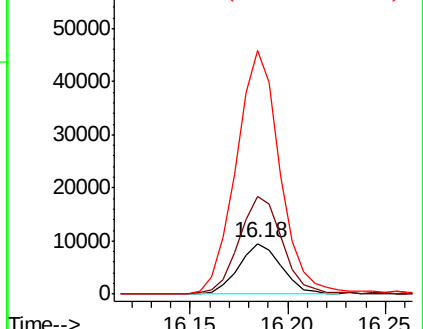
141 478.9 55.8 83.6#

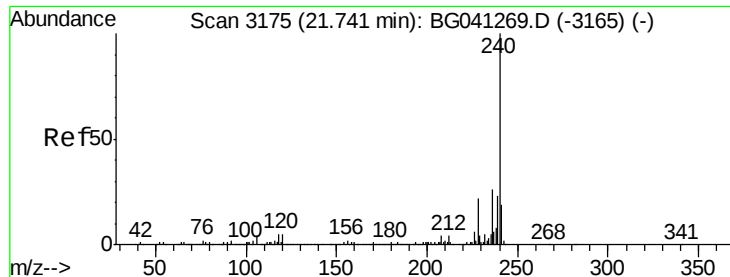


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

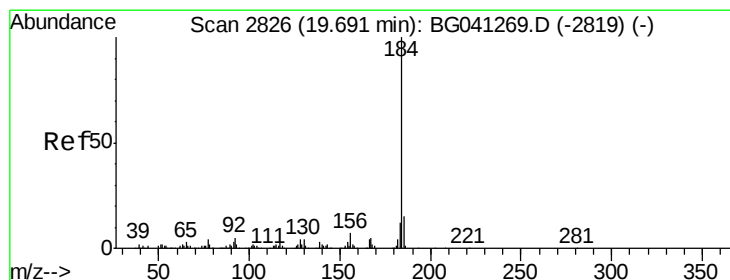
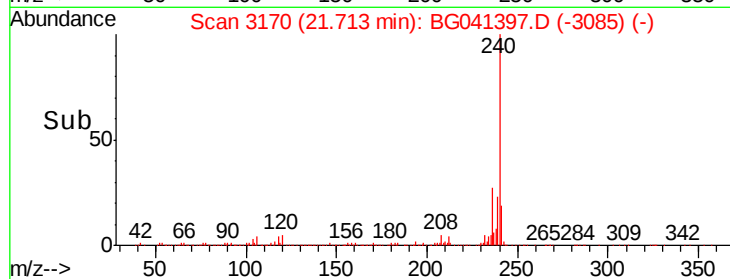
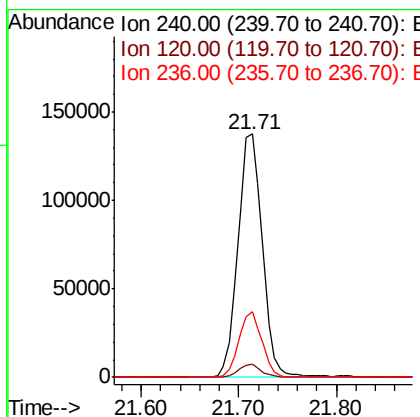
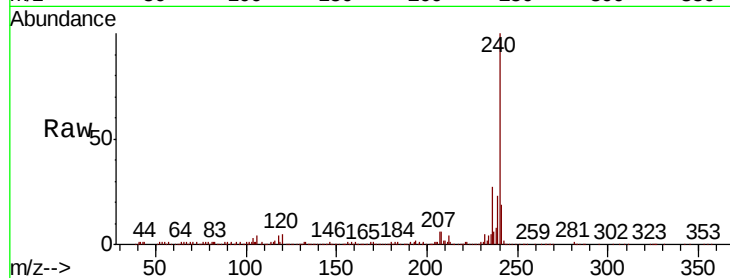




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.71 min Scan# 3170
 Delta R.T. -0.03 min
 Lab File: BG041397.D
 Acq: 22 Jun 2019 6:43

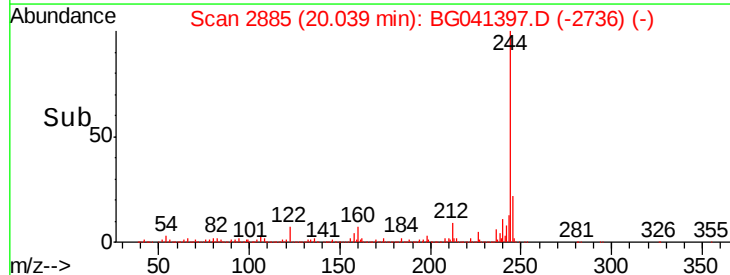
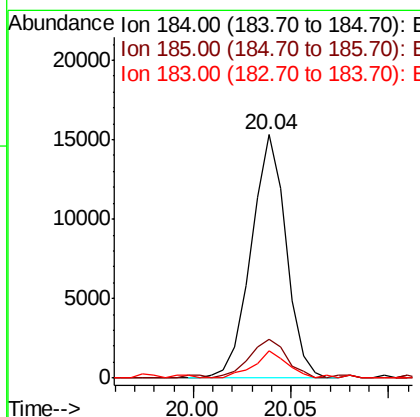
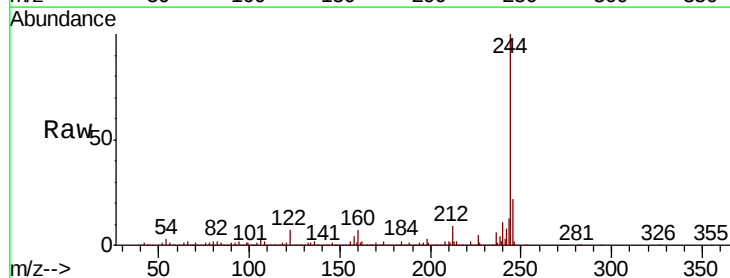
Instrument :
 BNA_G
 ClientSampleId :
 TP-1-MH

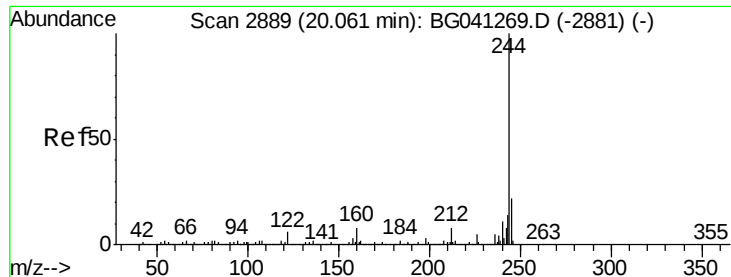
Tot Ion	Ratio	Lower	Upper
240	100		
120	5.3	3.7	5.5
236	27.0	21.1	31.7



#77
 Benzidine
 Concen: 3.264 ng
 RT: 20.04 min Scan# 2885
 Delta R.T. 0.35 min
 Lab File: BG041397.D
 Acq: 22 Jun 2019 6:43

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.0	12.2	18.2
183	11.2	9.6	14.4





#79

Terphenyl-d14

Concen: 89.370 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.02 min

Lab File: BG041397.D

Acq: 22 Jun 2019 6:43

Instrument :

BNA_G

ClientSampled :

TP-1-MH

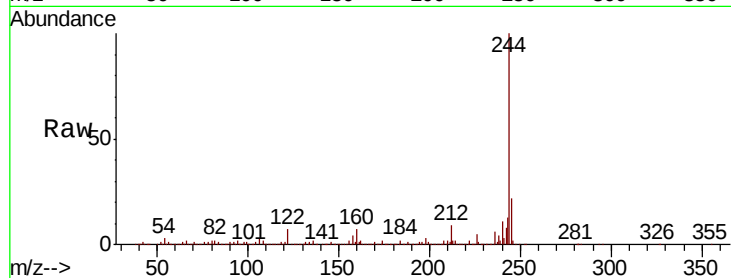
Tot Ion:244 Resp: 1081772

Ion Ratio Lower Upper

244 100

212 8.6 6.6 10.0

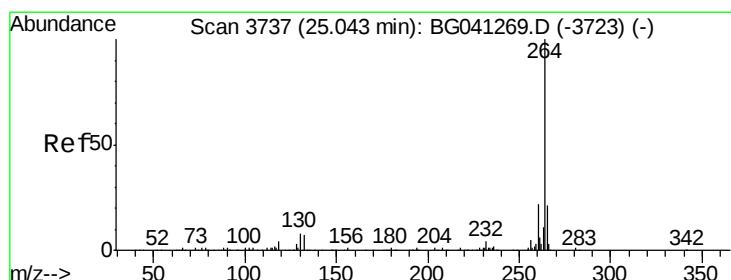
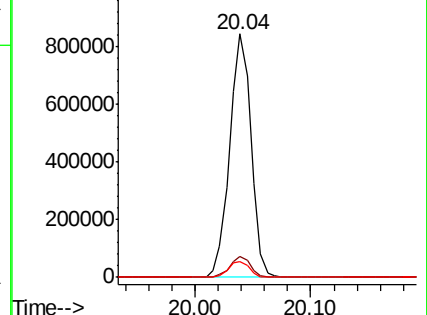
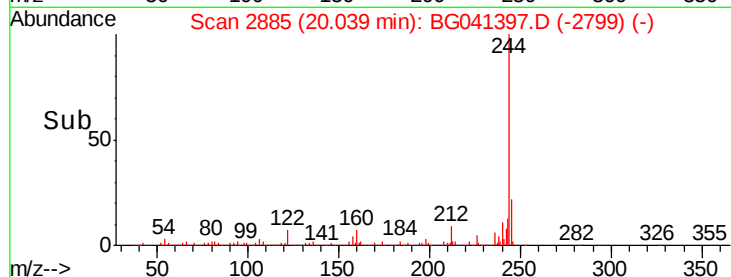
122 6.6 5.0 7.4



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: BG041397.D

Acq: 22 Jun 2019 6:43

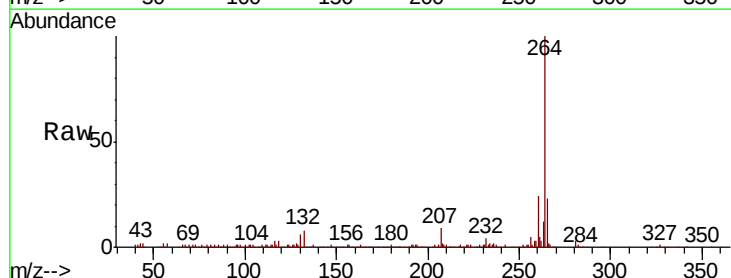
Tgt Ion:264 Resp: 256196

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.2

265 22.8 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

