

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062219\
 Data File : BG041403.D
 Acq On : 22 Jun 2019 15:04
 Operator : HP/JU
 Sample : K3470-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-4

Quant Time: Jun 24 02:08:57 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

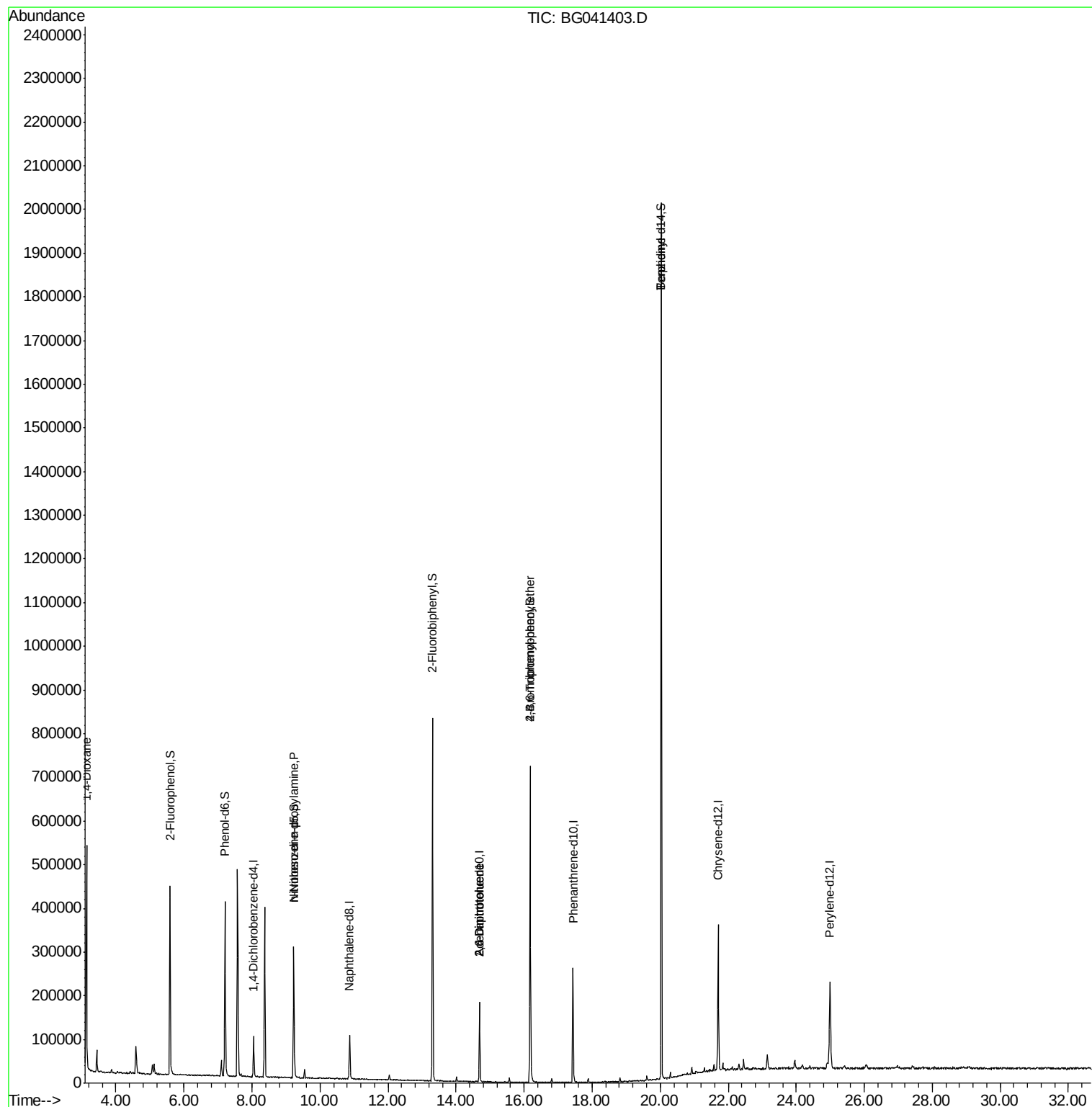
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	25999	20.00	ng	-0.03
21) Naphthalene-d8	10.87	136	87757	20.00	ng	-0.03
39) Acenaphthene-d10	14.69	164	62735	20.00	ng	-0.03
64) Phenanthrene-d10	17.44	188	175664	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	207674	20.00	ng	-0.04
87) Perylene-d12	24.99	264	229647	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	169342	119.68	ng	-0.03
7) Phenol-d6	7.21	99	217148	105.87	ng	-0.03
23) Nitrobenzene-d5	9.23	82	189148	90.65	ng	-0.03
42) 2,4,6-Tribromophenol	16.18	330	139312	144.65	ng	-0.03
45) 2-Fluorobiphenyl	13.31	172	423250	91.70	ng	-0.03
79) Terphenyl-d14	20.03	244	950902	90.74	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.13	88	4957	6.986	ng	# 1
19) n-Nitroso-di-n-propylamine	9.23	70	25847	15.581	ng	# 79
51) 2,6-Dinitrotoluene	14.69	165	8219	6.983	ng	# 15
57) 2,4-Dinitrotoluene	14.69	165	8219	4.777	ng	# 18
67) 4-Bromophenyl-phenylether	16.18	248	10134	4.462	ng	# 1
77) Benzidine	20.03	184	15935	3.172	ng	# 91

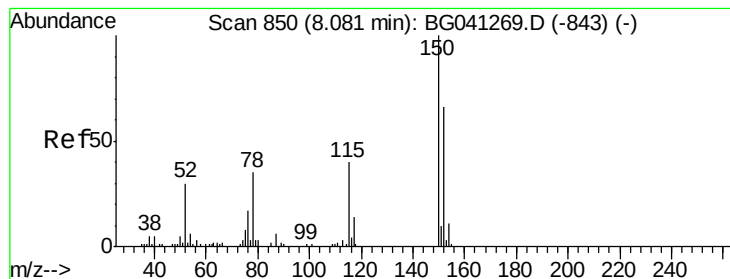
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG041403.D

Acq: 22 Jun 2019 15:04

Instrument :

BNA_G

ClientSampleId :

SAMPLE-4

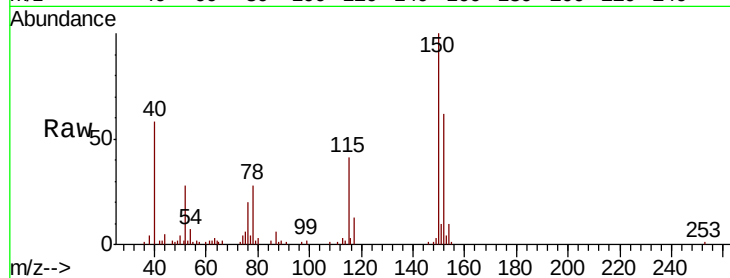
Tot Ion:152 Resp: 25999

Ion Ratio Lower Upper

152 100

150 161.5 120.6 181.0

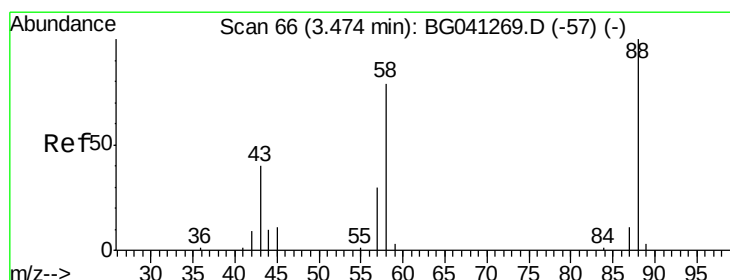
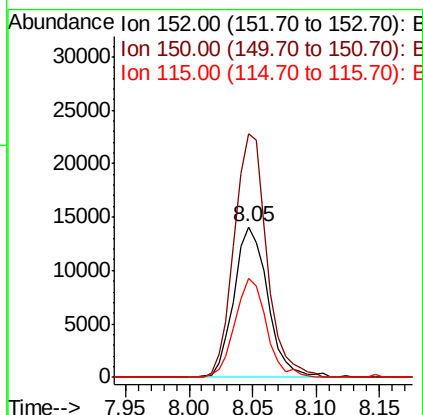
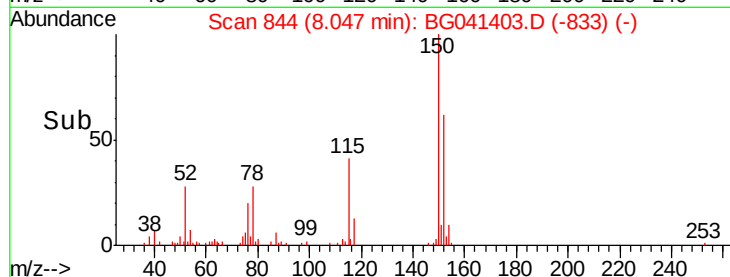
115 65.6 47.9 71.9



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: 6.986 ng

RT: 3.13 min Scan# 8

Delta R.T. -0.34 min

Lab File: BG041403.D

Acq: 22 Jun 2019 15:04

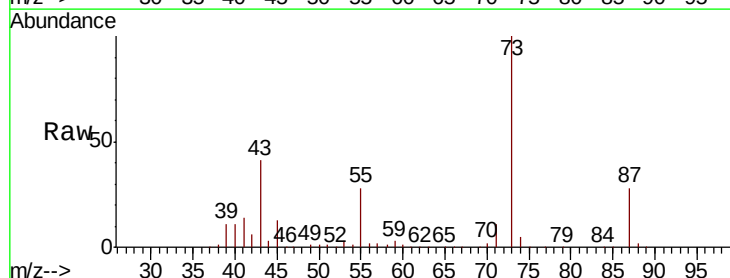
Tgt Ion: 88 Resp: 4957

Ion Ratio Lower Upper

88 100

58 52.5 59.7 89.5#

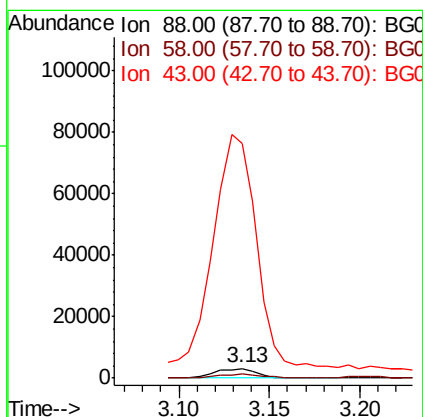
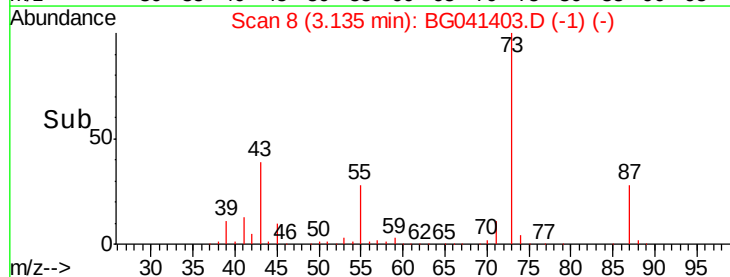
43 2456.9 31.9 47.9#

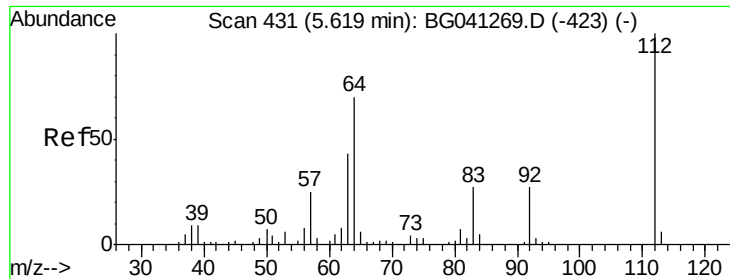


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 119.678 ng

RT: 5.59 min Scan# 426

Delta R.T. -0.03 min

Lab File: BG041403.D

Acq: 22 Jun 2019 15:04

Instrument :

BNA_G

ClientSampleId :

SAMPLE-4

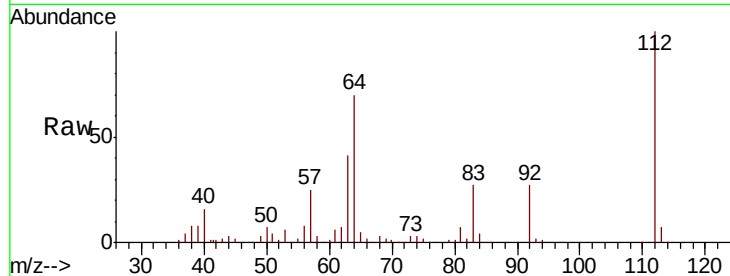
Tot Ion:112 Resp: 169342

Ion Ratio Lower Upper

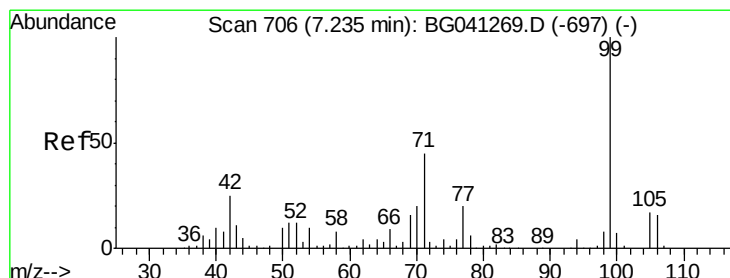
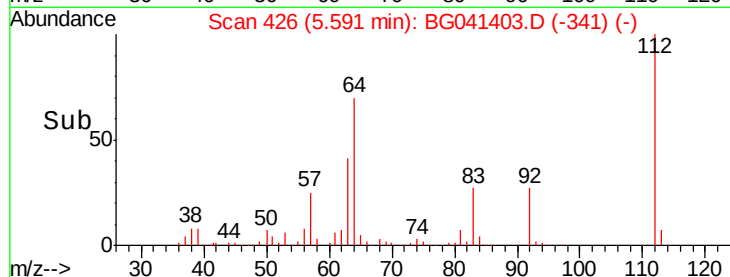
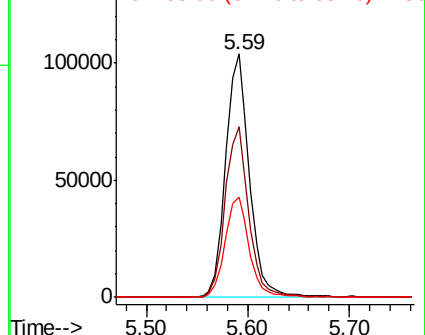
112 100

64 70.0 55.9 83.9

63 41.4 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: 105.873 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.03 min

Lab File: BG041403.D

Acq: 22 Jun 2019 15:04

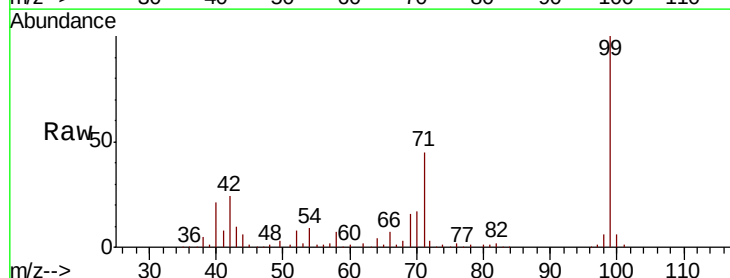
Tgt Ion: 99 Resp: 217148

Ion Ratio Lower Upper

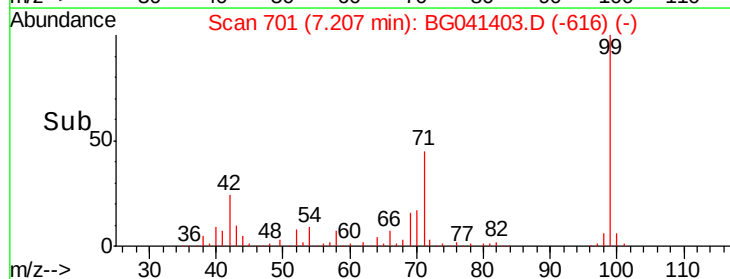
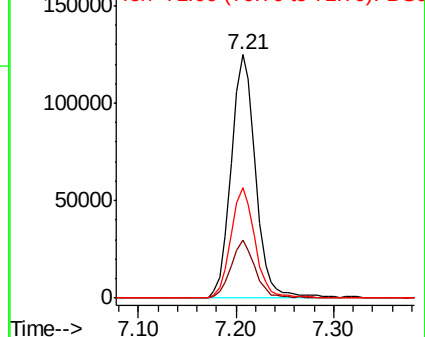
99 100

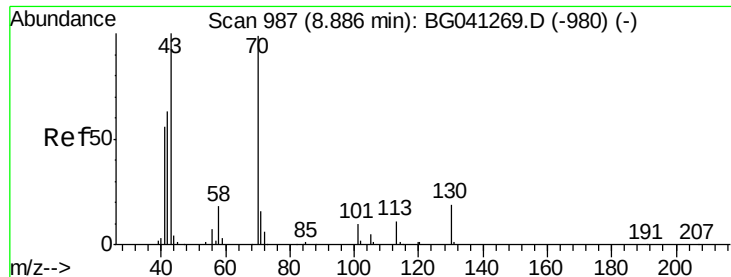
42 23.7 19.9 29.9

71 45.3 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

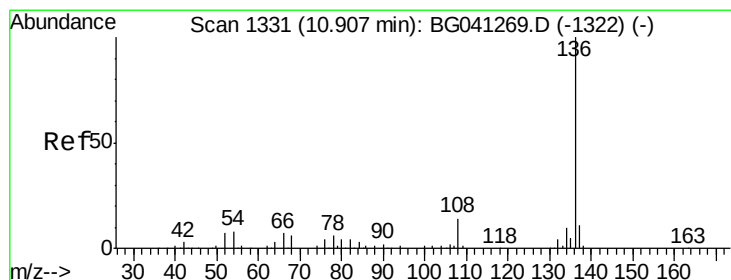
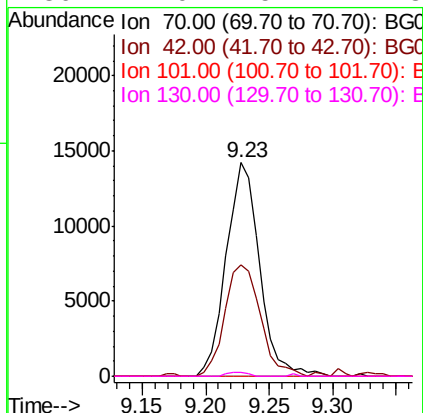
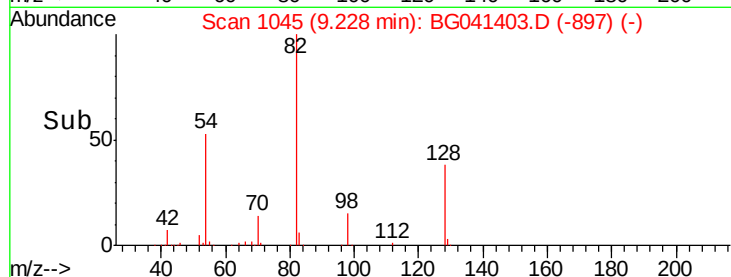
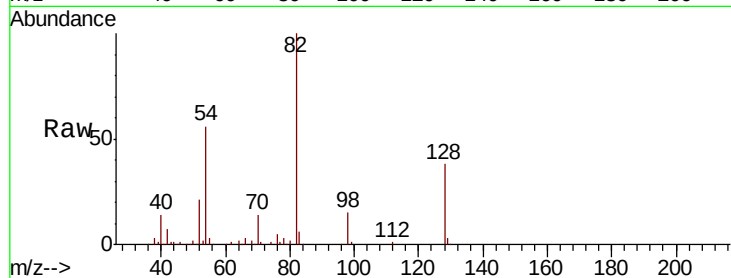




#19
n-Nitroso-di-n-propylamine
Concen: 15.581 ng
RT: 9.23 min Scan# 1045
Delta R.T. 0.34 min
Lab File: BG041403.D
Acq: 22 Jun 2019 15:04

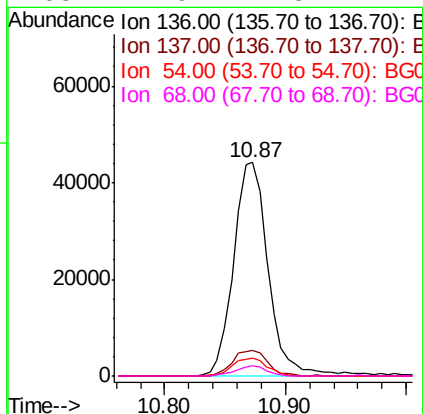
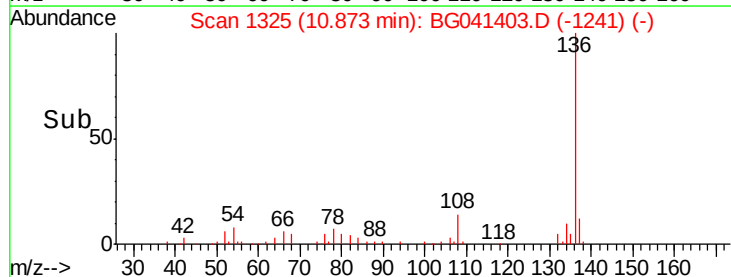
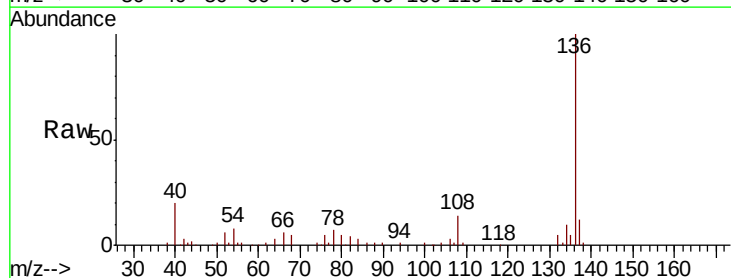
Instrument :
BNA_G
ClientSampleId :
SAMPLE-4

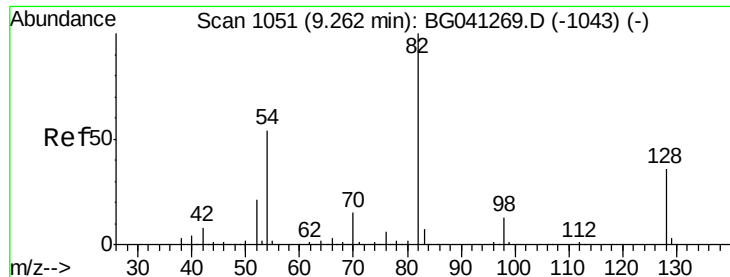
Tot Ion: 70 Resp: 25847
Ion Ratio Lower Upper
70 100
42 52.1 51.4 77.2
101 0.0 8.2 12.2#
130 2.0 15.2 22.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.03 min
Lab File: BG041403.D
Acq: 22 Jun 2019 15:04

Tgt Ion:136 Resp: 87757
Ion Ratio Lower Upper
136 100
137 12.2 8.8 13.2
54 8.5 6.4 9.6
68 4.9 4.8 7.2

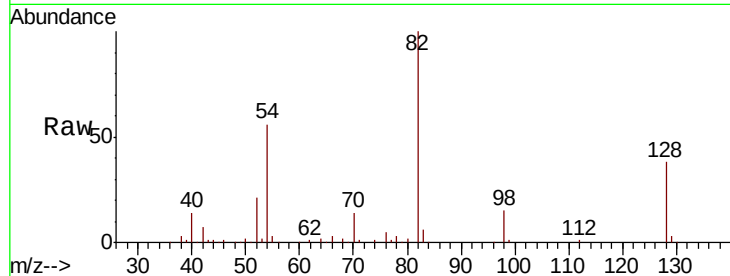




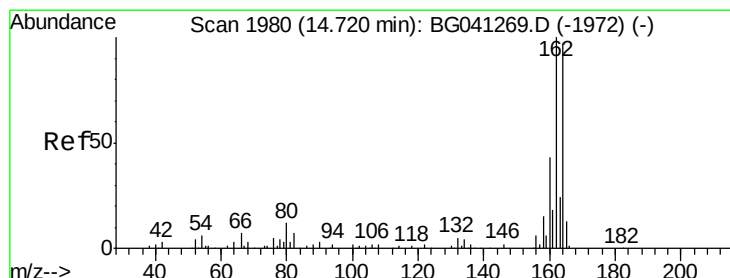
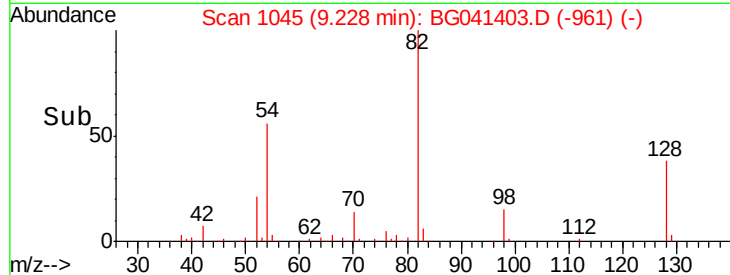
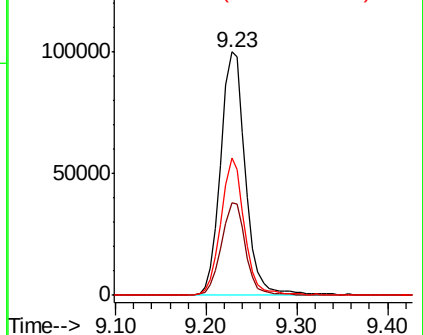
#23
 Nitrobenzene-d5
 Concen: 90.646 ng
 RT: 9.23 min Scan# 1045
 Delta R.T. -0.03 min
 Lab File: BG041403.D
 Acq: 22 Jun 2019 15:04

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-4

Tot Ion	82	Resp	189148
Ion Ratio	100	Lower	Upper
128	38.0	29.2	43.8
54	56.3	43.4	65.0

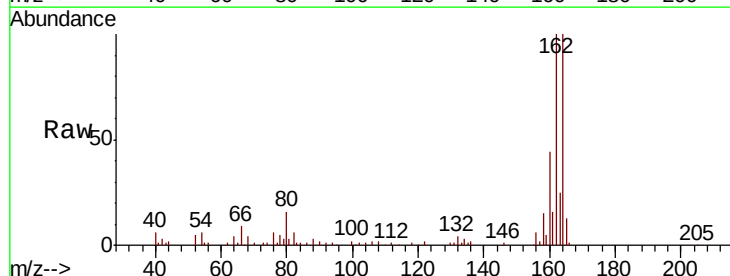


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

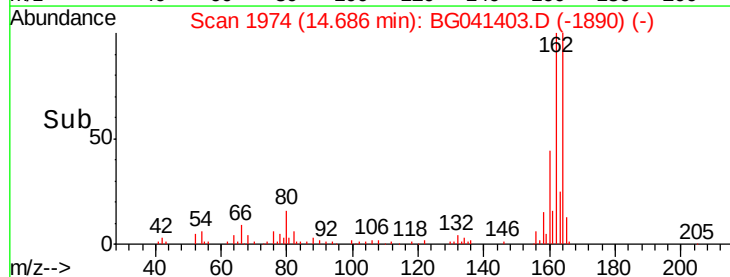
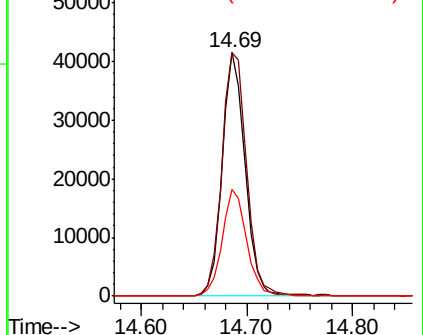


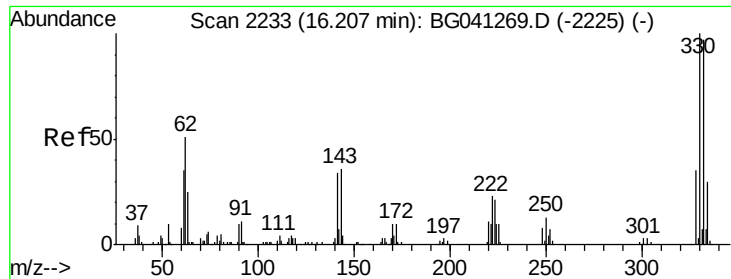
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.03 min
 Lab File: BG041403.D
 Acq: 22 Jun 2019 15:04

Tgt Ion	164	Resp	62735
Ion Ratio	100	Lower	Upper
162	100.0	82.8	124.2
160	43.7	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: 144.646 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.03 min

Lab File: BG041403.D

Acq: 22 Jun 2019 15:04

Instrument :

BNA_G

ClientSampleId :

SAMPLE-4

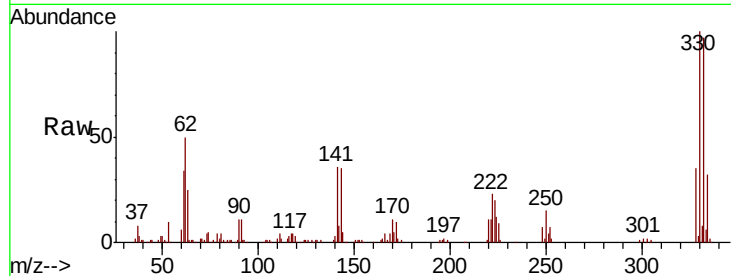
Tot Ion:330 Resp: 139312

Ion Ratio Lower Upper

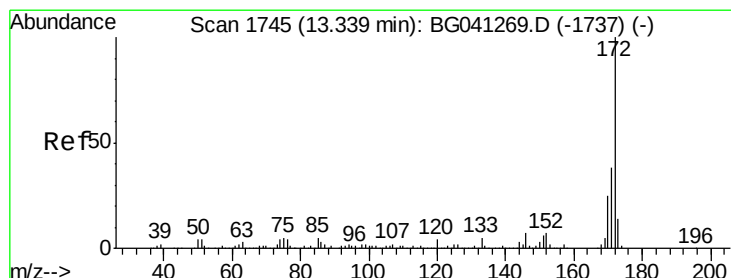
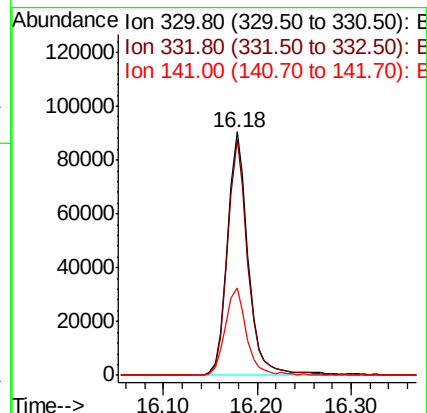
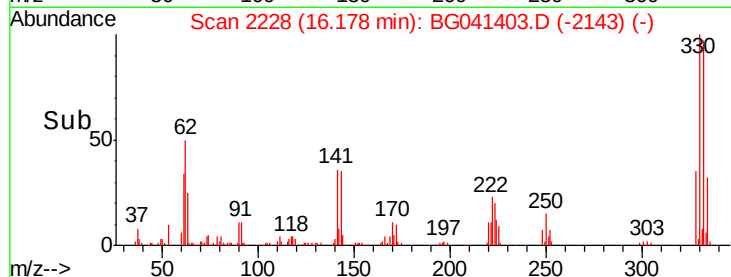
330 100

332 95.6 75.5 113.3

141 36.9 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: 91.697 ng

RT: 13.31 min Scan# 1739

Delta R.T. -0.03 min

Lab File: BG041403.D

Acq: 22 Jun 2019 15:04

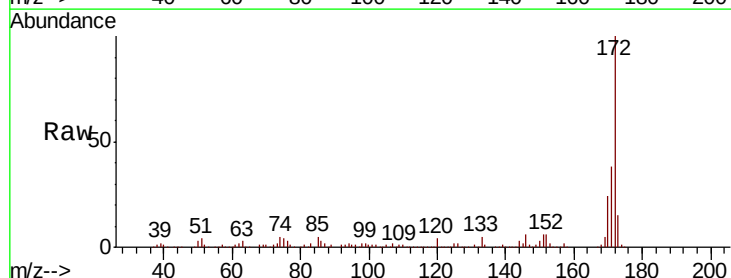
Tgt Ion:172 Resp: 423250

Ion Ratio Lower Upper

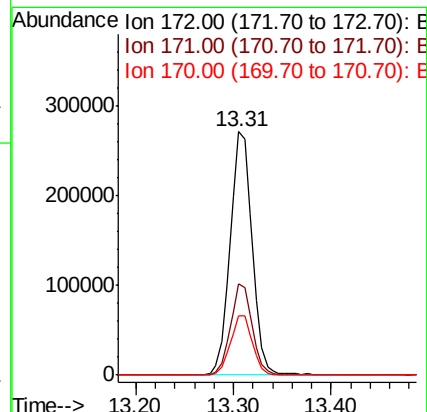
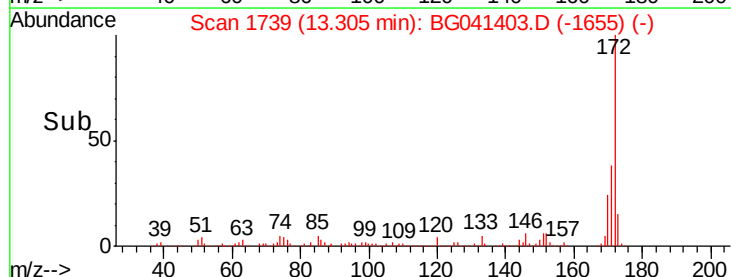
172 100

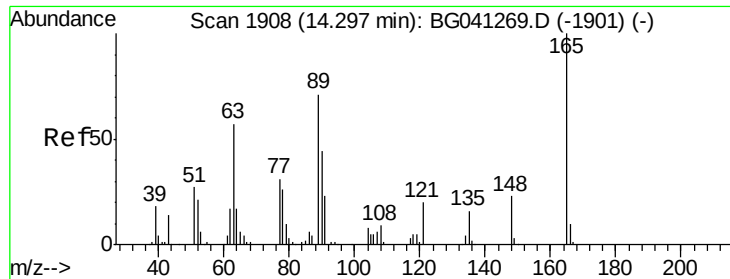
171 37.7 30.0 45.0

170 24.5 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

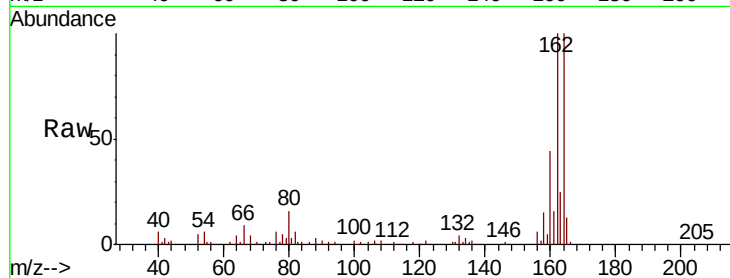




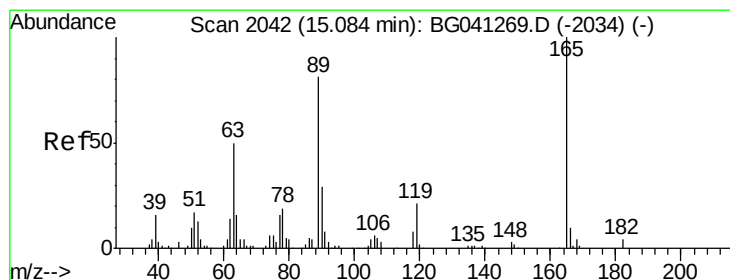
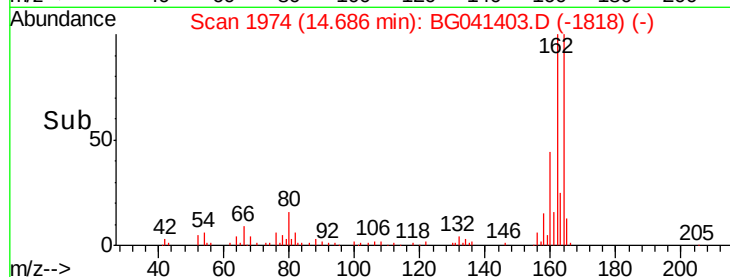
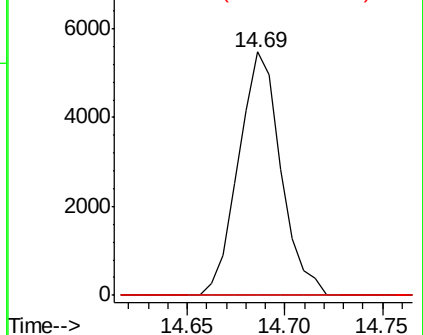
#51
2,6-Dinitrotoluene
Concen: 6.983 ng
RT: 14.69 min Scan# 1974
Delta R.T. 0.39 min
Lab File: BG041403.D
Acq: 22 Jun 2019 15:04

Instrument :
BNA_G
ClientSampleId :
SAMPLE-4

Tot Ion:165 Resp: 8219
Ion Ratio Lower Upper
165 100
63 0.0 55.4 83.0#
89 0.0 56.5 84.7#

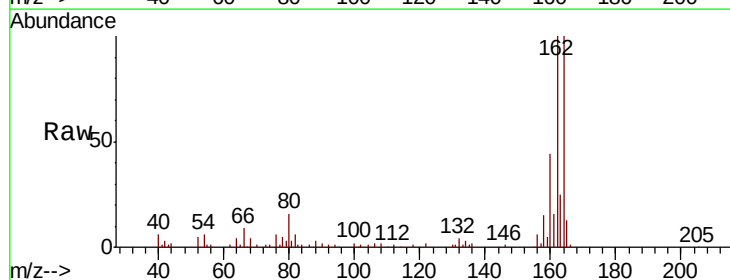


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

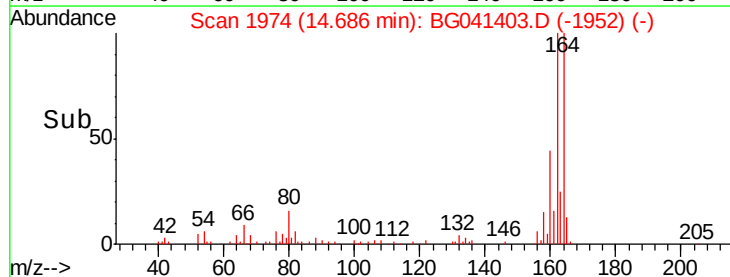
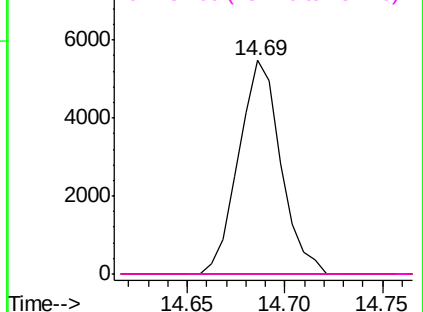


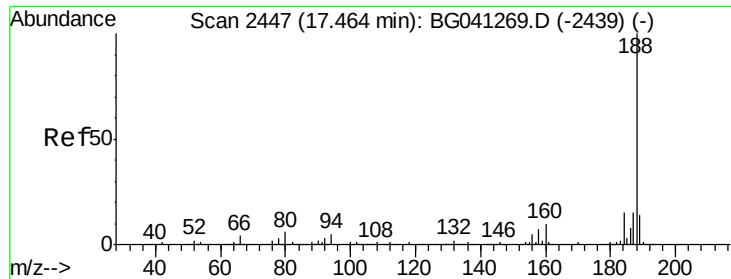
#57
2,4-Dinitrotoluene
Concen: 4.777 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.40 min
Lab File: BG041403.D
Acq: 22 Jun 2019 15:04

Tgt Ion:165 Resp: 8219
Ion Ratio Lower Upper
165 100
63 0.0 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# 2442

Delta R.T. -0.03 min

Lab File: BG041403.D

Acq: 22 Jun 2019 15:04

Instrument :

BNA_G

ClientSampleId :

SAMPLE-4

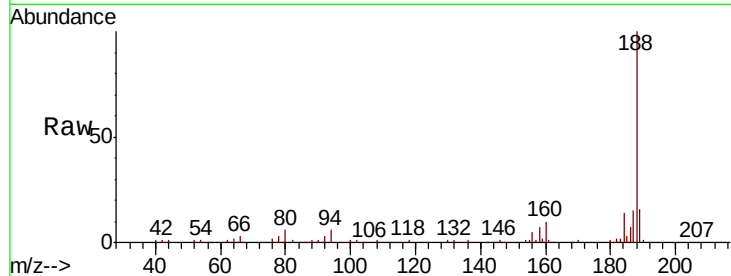
Tot Ion:188 Resp: 175664

Ion Ratio Lower Upper

188 100

94 5.6 3.6 5.4#

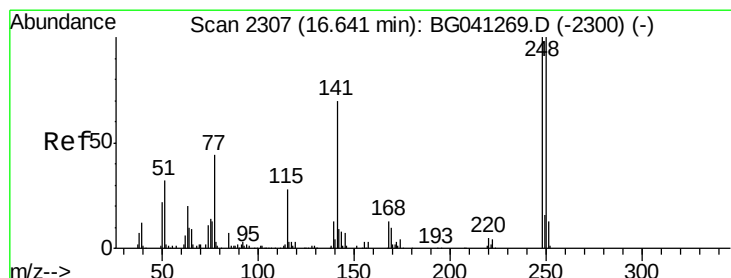
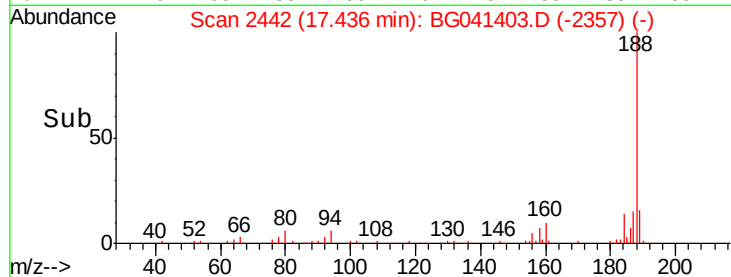
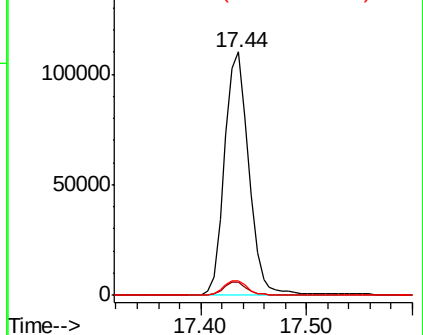
80 5.8 4.8 7.2



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: 4.462 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.46 min

Lab File: BG041403.D

Acq: 22 Jun 2019 15:04

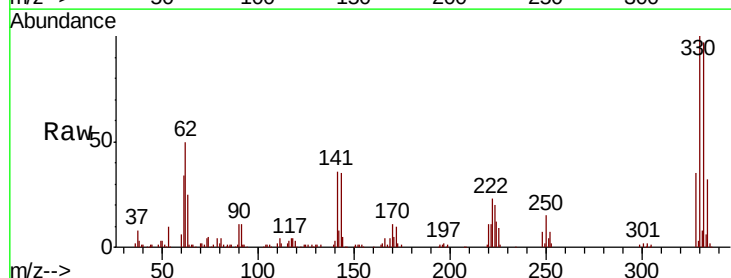
Tgt Ion:248 Resp: 10134

Ion Ratio Lower Upper

248 100

250 217.6 79.8 119.8#

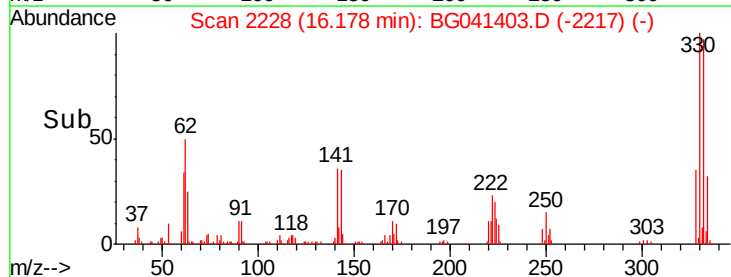
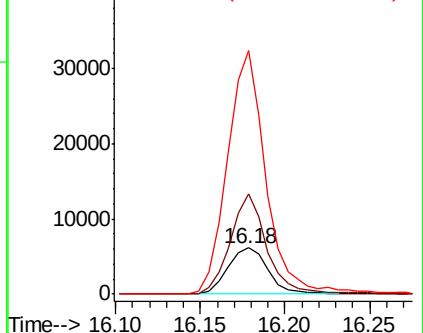
141 526.0 55.8 83.6#

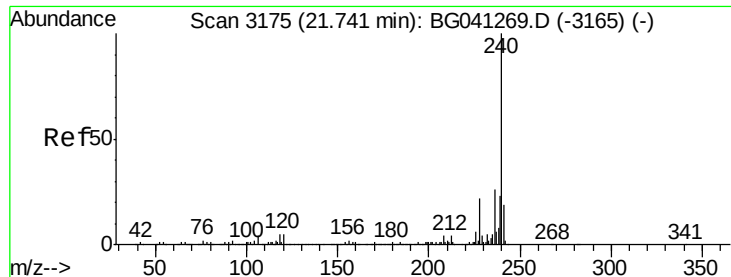


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

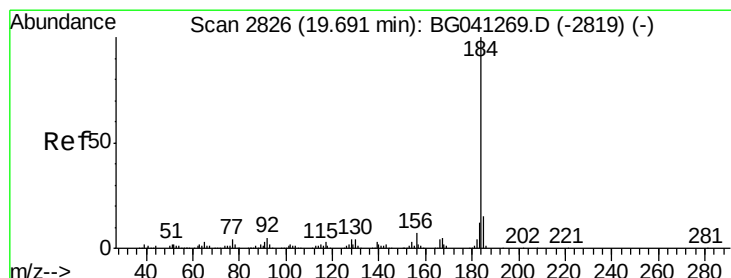
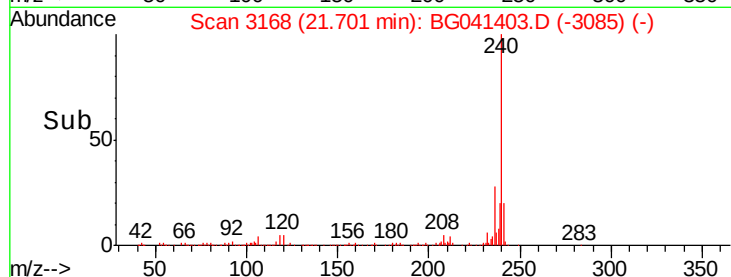
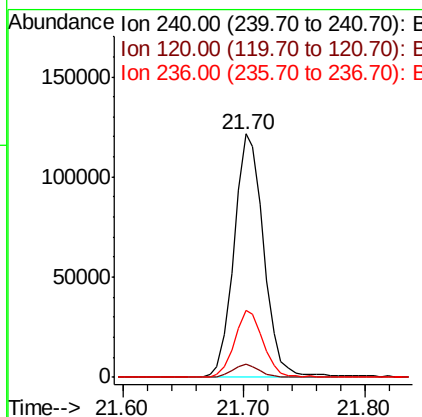
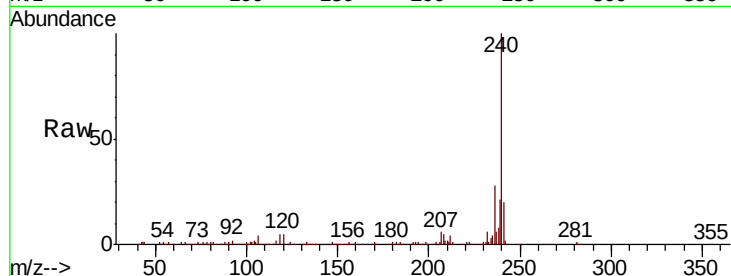




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.04 min
Lab File: BG041403.D
Acq: 22 Jun 2019 15:04

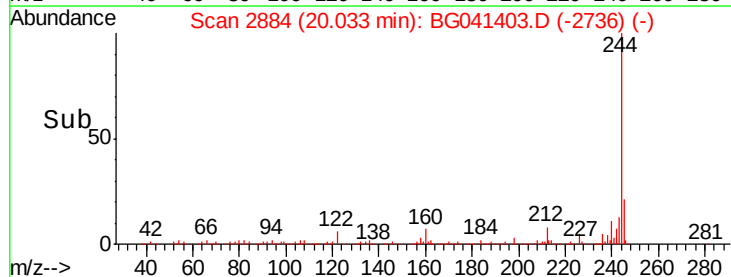
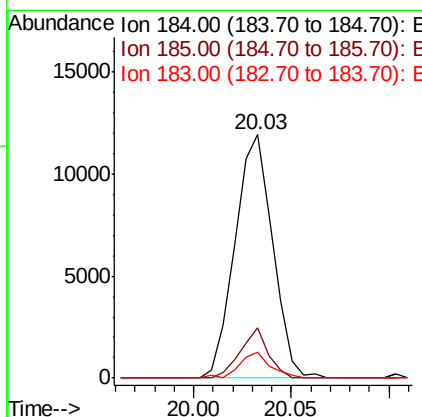
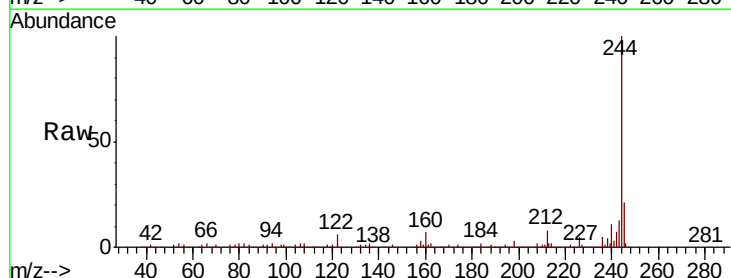
Instrument :
BNA_G
ClientSampleId :
SAMPLE-4

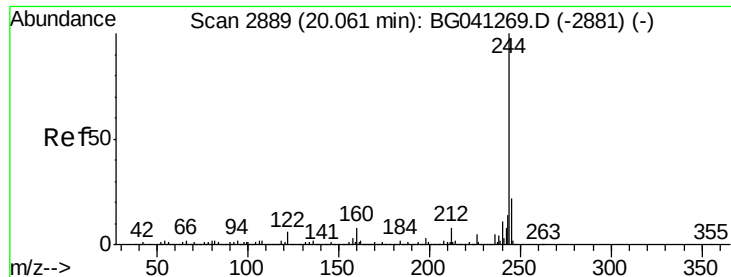
Tot Ion:240 Resp: 207674
Ion Ratio Lower Upper
240 100
120 5.4 3.7 5.5
236 27.6 21.1 31.7



#77
Benzidine
Concen: 3.172 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.34 min
Lab File: BG041403.D
Acq: 22 Jun 2019 15:04

Tgt Ion:184 Resp: 15935
Ion Ratio Lower Upper
184 100
185 20.9 12.2 18.2#
183 10.7 9.6 14.4

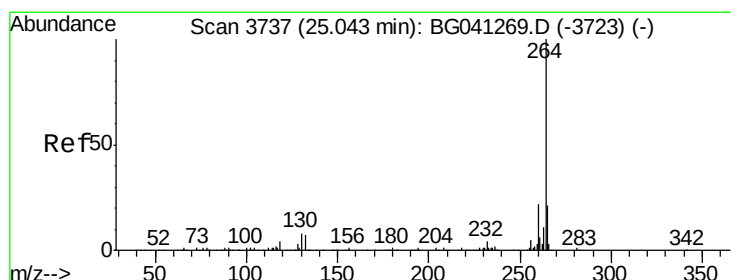
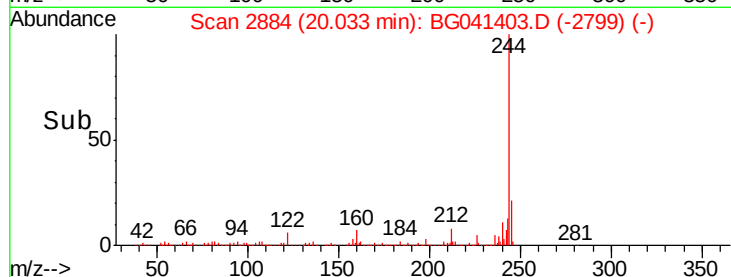
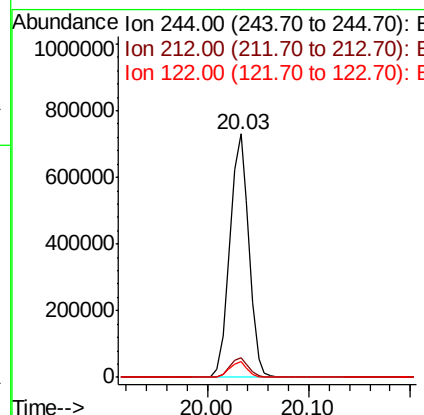
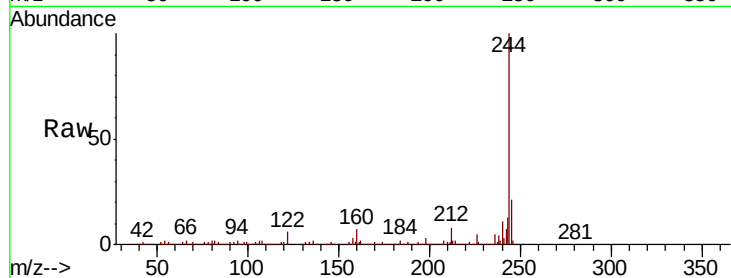




#79
 Terphenyl-d14
 Concen: 90.743 ng
 RT: 20.03 min Scan# 2884
 Delta R.T. -0.03 min
 Lab File: BG041403.D
 Acq: 22 Jun 2019 15:04

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-4

Tot Ion:244 Resp: 950902
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.6 10.0
 122 6.5 5.0 7.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.99 min Scan# 3728
 Delta R.T. -0.05 min
 Lab File: BG041403.D
 Acq: 22 Jun 2019 15:04

Tgt Ion:264 Resp: 229647
 Ion Ratio Lower Upper
 264 100
 260 24.1 17.4 26.2
 265 22.1 17.2 25.8

