

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062219\
 Data File : BG041415.D
 Acq On : 22 Jun 2019 22:40
 Operator : HP/JU
 Sample : K3470-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-5

Quant Time: Jun 24 02:12:00 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

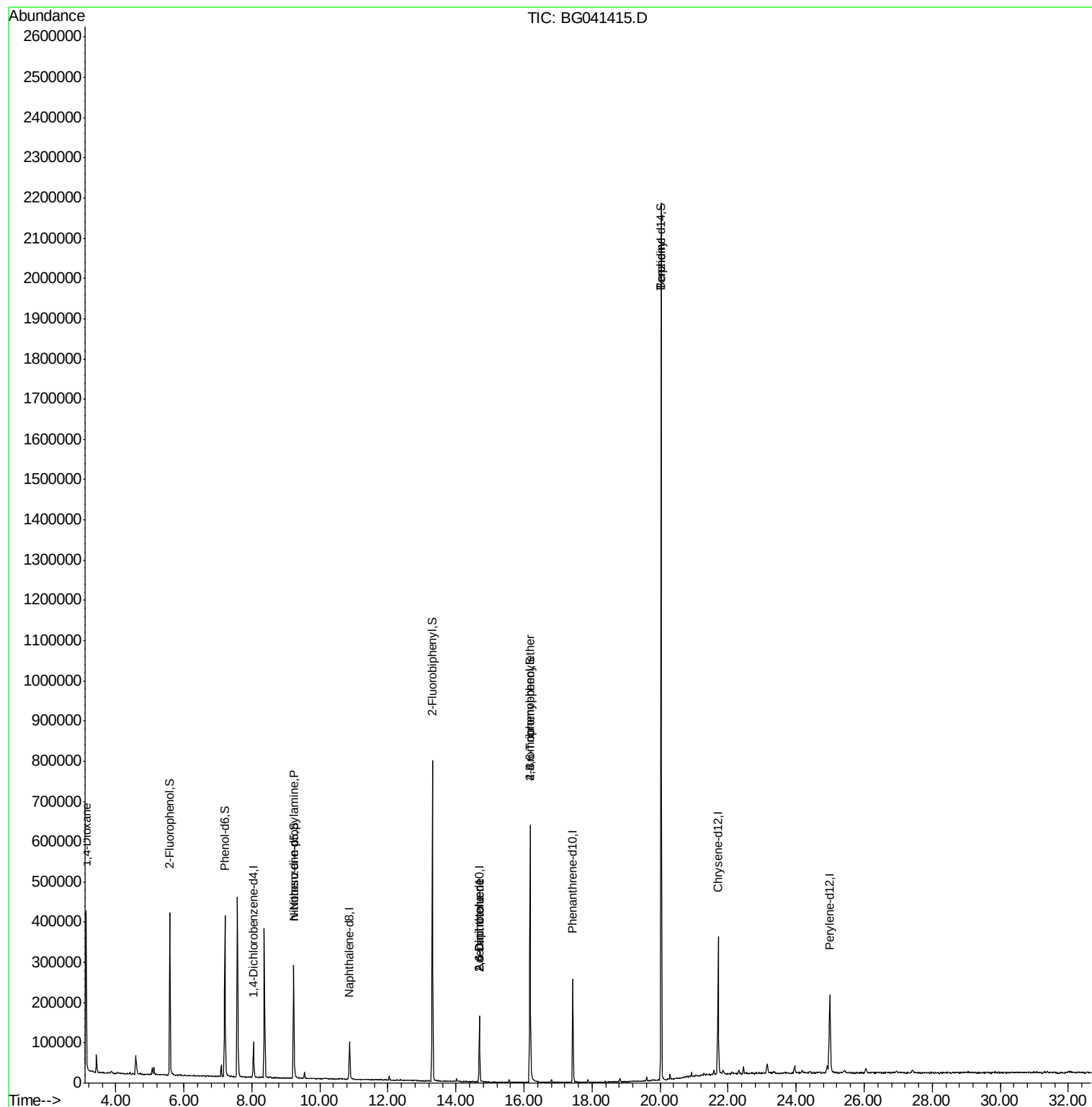
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	24598	20.00	ng	-0.04
21) Naphthalene-d8	10.87	136	85978	20.00	ng	-0.04
39) Acenaphthene-d10	14.68	164	59469	20.00	ng	-0.04
64) Phenanthrene-d10	17.43	188	170122	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	222461	20.00	ng	-0.04
87) Perylene-d12	24.99	264	229757	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	164109	122.59	ng	-0.03
7) Phenol-d6	7.20	99	213297	109.92	ng	-0.03
23) Nitrobenzene-d5	9.23	82	179848	87.97	ng	-0.04
42) 2,4,6-Tribromophenol	16.18	330	134076	146.86	ng	-0.03
45) 2-Fluorobiphenyl	13.31	172	411921	94.14	ng	-0.03
79) Terphenyl-d14	20.03	244	1027645	91.55	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.13	88	4340	6.465	ng	# 1
19) n-Nitroso-di-n-propylamine	9.23	70	25823	16.453	ng	# 74
51) 2,6-Dinitrotoluene	14.69	165	7720	6.919	ng	# 17
57) 2,4-Dinitrotoluene	14.69	165	7720	4.734	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	9421	4.283	ng	# 1
77) Benzidine	20.03	184	16441	3.055	ng	# 90

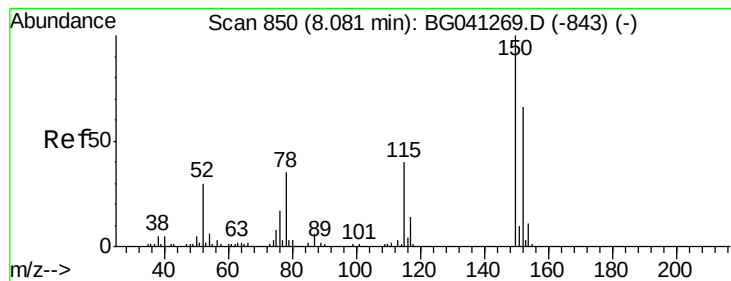
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062219\
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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SAMPLE-5

Quant Time: Jun 24 02:12:00 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 843

Delta R.T. -0.04 min

Lab File: BG041415.D

Acq: 22 Jun 2019 22:40

Instrument :

BNA_G

ClientSampleId :

SAMPLE-5

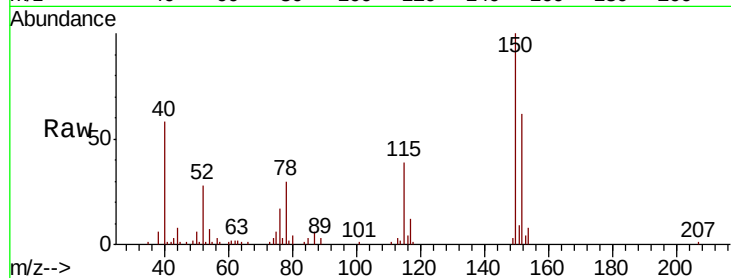
Tot Ion:152 Resp: 24598

Ion Ratio Lower Upper

152 100

150 160.5 120.6 181.0

115 63.0 47.9 71.9

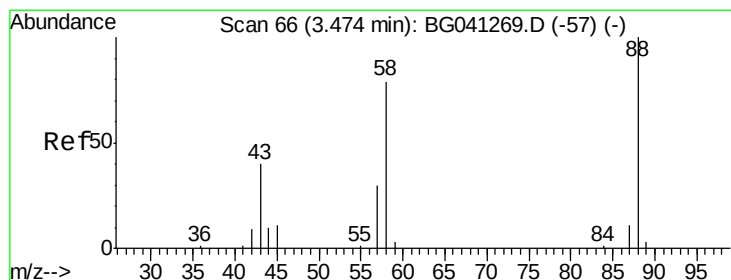
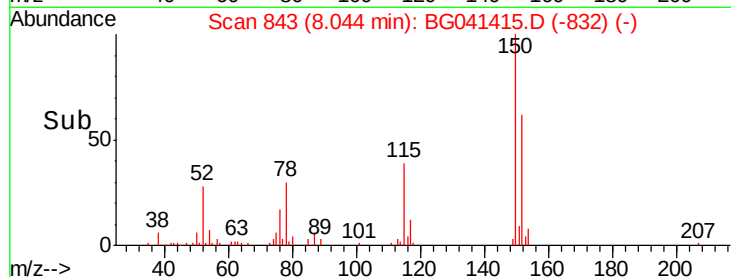
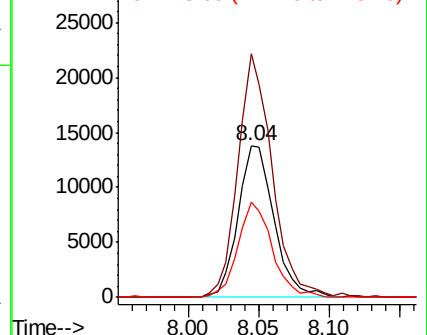


Abundance

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: 6.465 ng

RT: 3.13 min Scan# 7

Delta R.T. -0.34 min

Lab File: BG041415.D

Acq: 22 Jun 2019 22:40

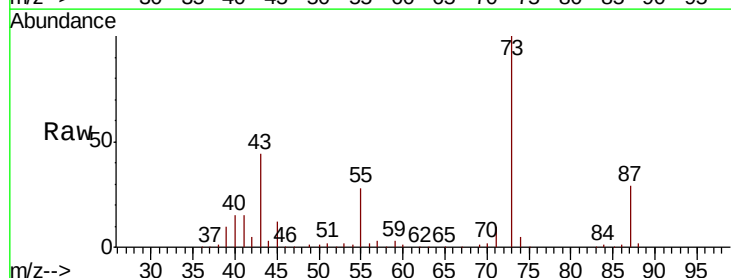
Tgt Ion: 88 Resp: 4340

Ion Ratio Lower Upper

88 100

58 18.5 59.7 89.5#

43 2128.1 31.9 47.9#

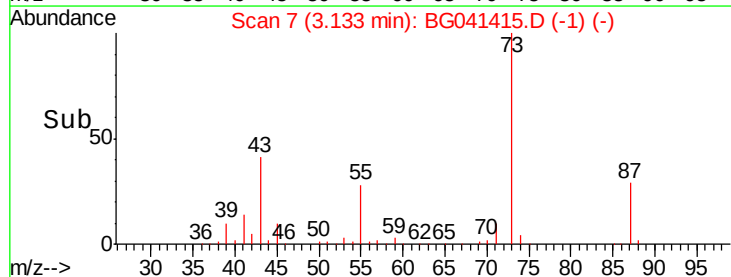
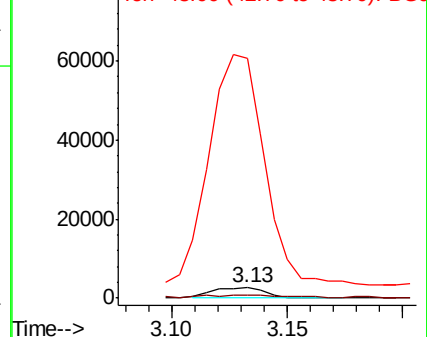


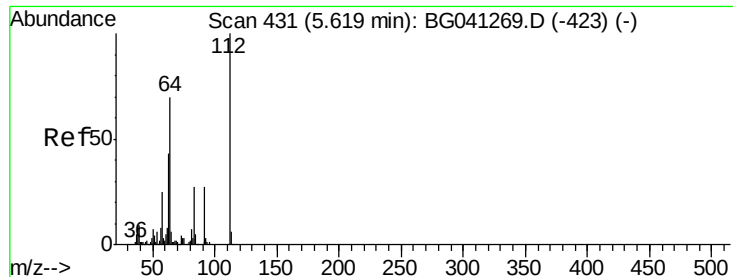
Abundance

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: 122.586 ng

RT: 5.59 min Scan# 425

Delta R.T. -0.03 min

Lab File: BG041415.D

Acq: 22 Jun 2019 22:40

Instrument :

BNA_G

ClientSampleId :

SAMPLE-5

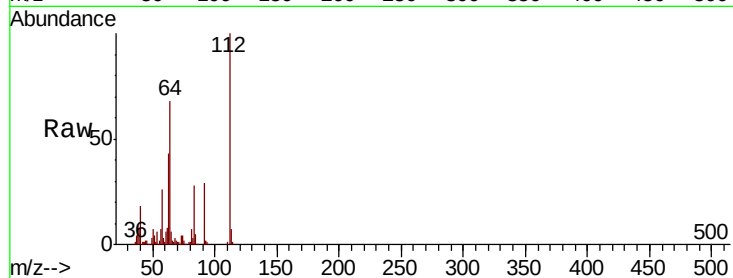
Tot Ion:112 Resp: 164109

Ion Ratio Lower Upper

112 100

64 68.2 55.9 83.9

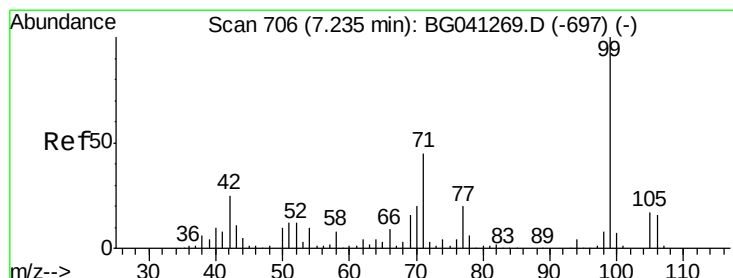
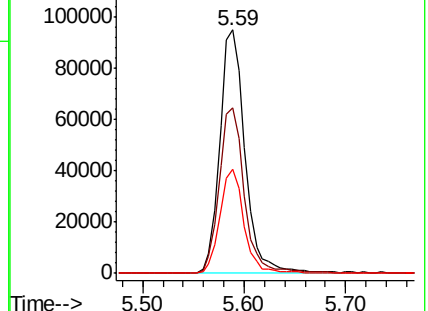
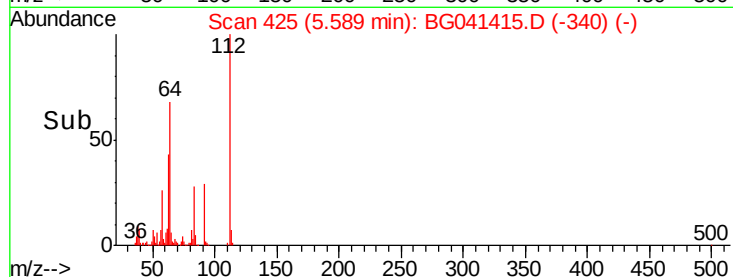
63 42.9 34.6 51.8



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: 109.919 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.03 min

Lab File: BG041415.D

Acq: 22 Jun 2019 22:40

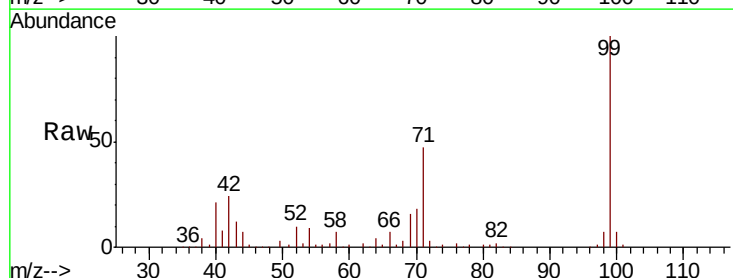
Tgt Ion: 99 Resp: 213297

Ion Ratio Lower Upper

99 100

42 23.8 19.9 29.9

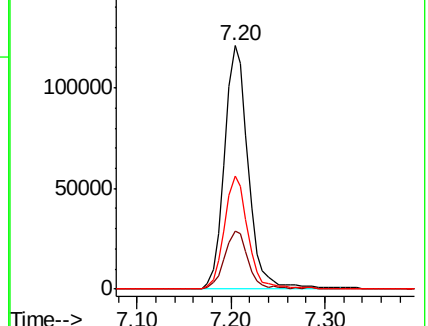
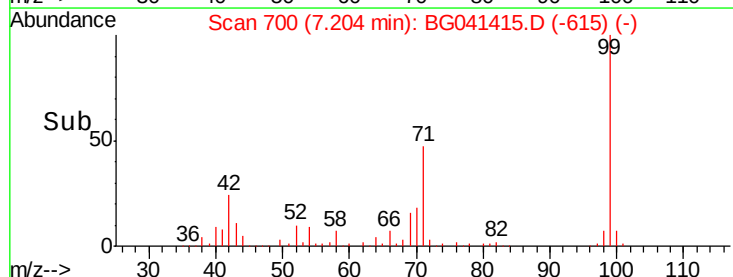
71 46.7 36.4 54.6

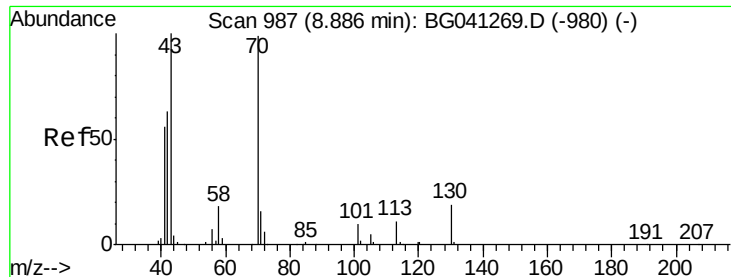


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

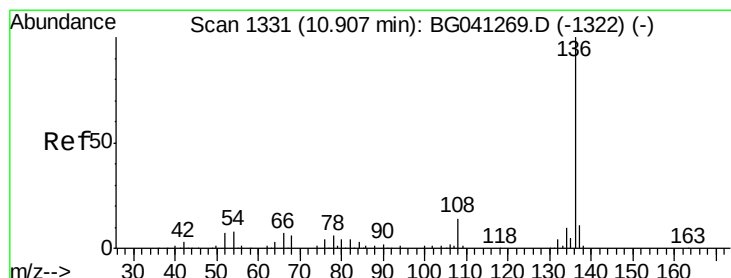
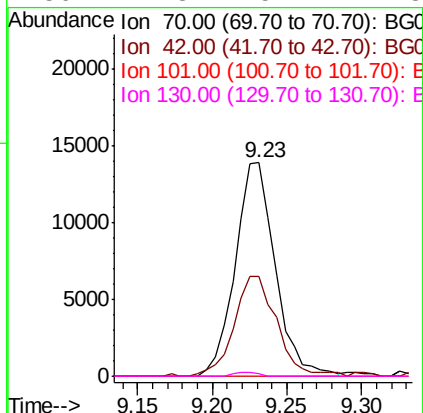
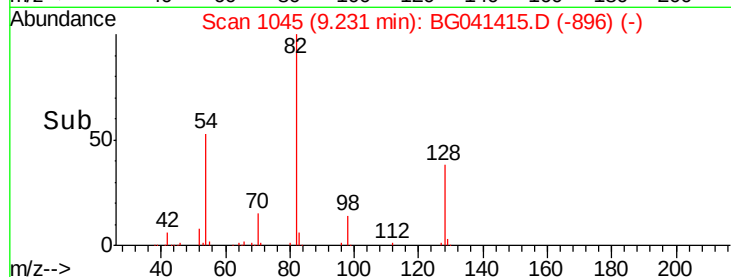
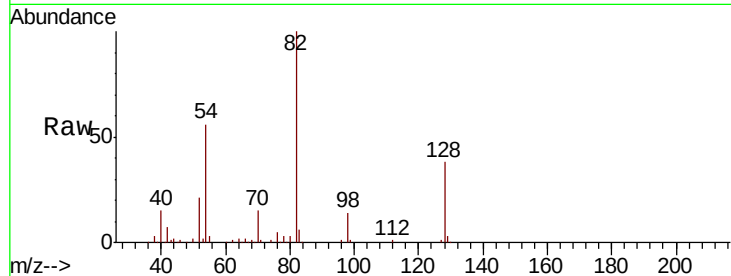




#19
n-Nitroso-di-n-propylamine
Concen: 16.453 ng
RT: 9.23 min Scan# 1045
Delta R.T. 0.35 min
Lab File: BG041415.D
Acq: 22 Jun 2019 22:40

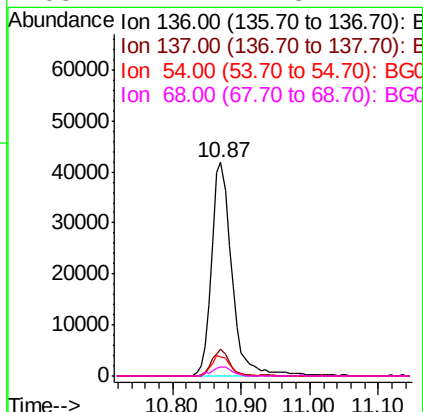
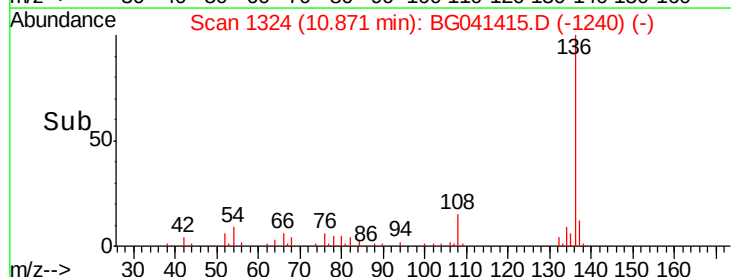
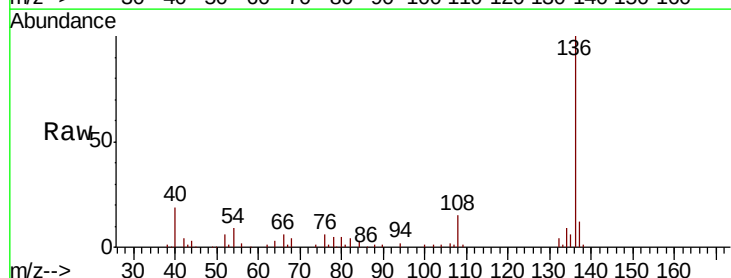
Instrument :
BNA_G
ClientSampleId :
SAMPLE-5

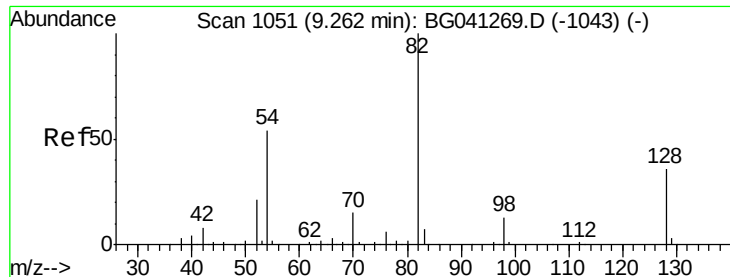
Tot Ion: 70 Resp: 25823
Ion Ratio Lower Upper
70 100
42 46.7 51.4 77.2#
101 0.0 8.2 12.2#
130 1.3 15.2 22.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.04 min
Lab File: BG041415.D
Acq: 22 Jun 2019 22:40

Tgt Ion:136 Resp: 85978
Ion Ratio Lower Upper
136 100
137 12.4 8.8 13.2
54 9.1 6.4 9.6
68 4.2 4.8 7.2#

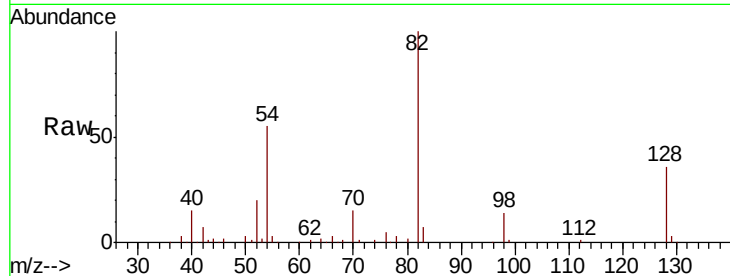




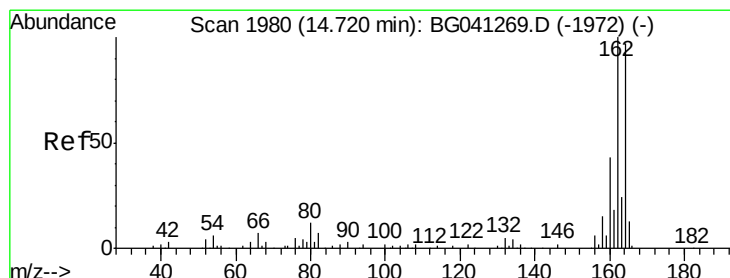
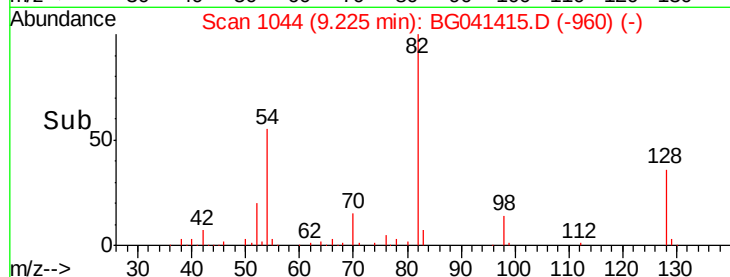
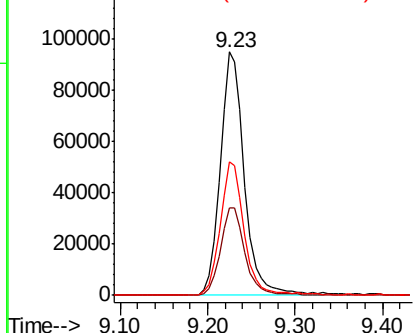
#23
Nitrobenzene-d5
Concen: 87.973 ng
RT: 9.23 min Scan# 1044
Delta R.T. -0.04 min
Lab File: BG041415.D
Acq: 22 Jun 2019 22:40

Instrument :
BNA_G
ClientSampleId :
SAMPLE-5

Tot Ion: 82 Resp: 179848
Ion Ratio Lower Upper
82 100
128 35.7 29.2 43.8
54 54.9 43.4 65.0

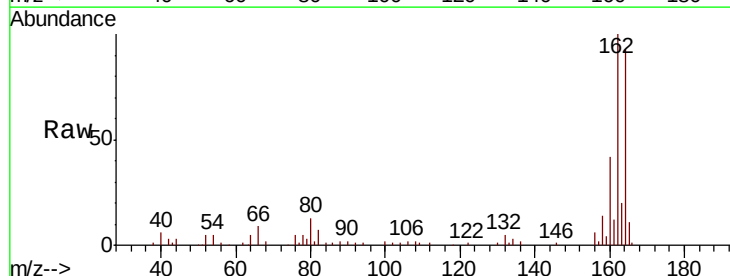


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

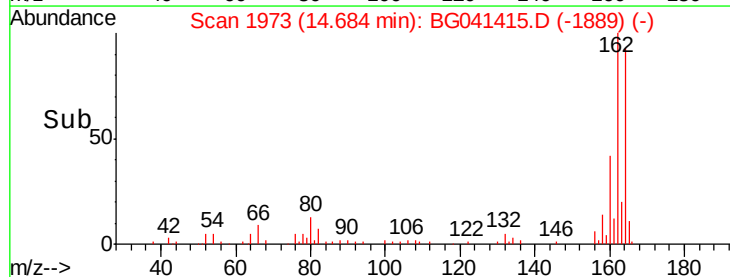
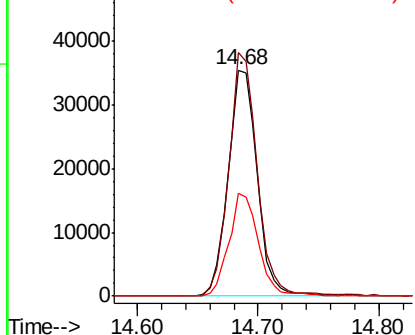


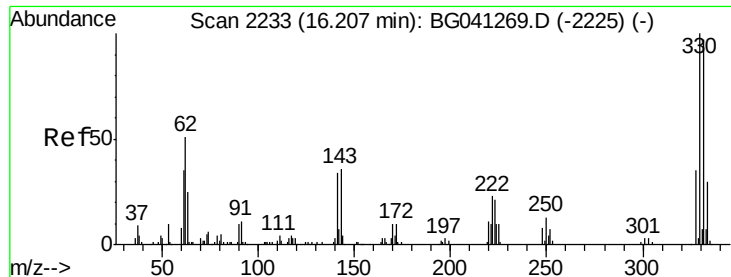
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.04 min
Lab File: BG041415.D
Acq: 22 Jun 2019 22:40

Tgt Ion:164 Resp: 59469
Ion Ratio Lower Upper
164 100
162 107.8 82.8 124.2
160 45.3 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

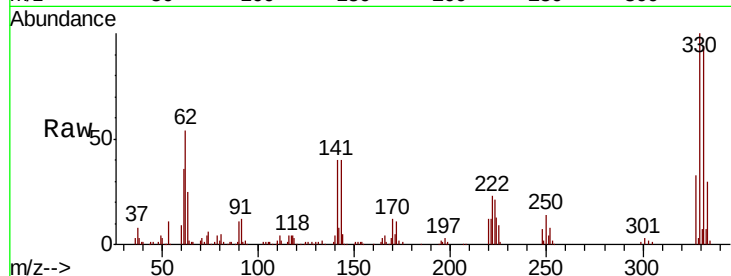




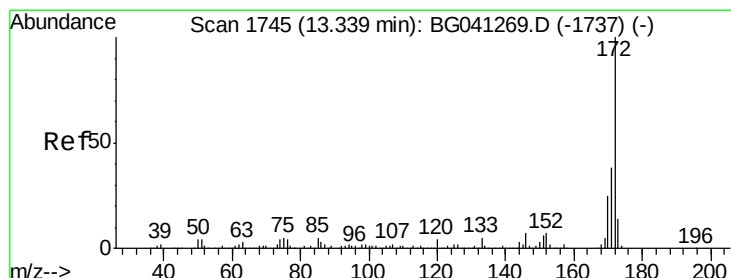
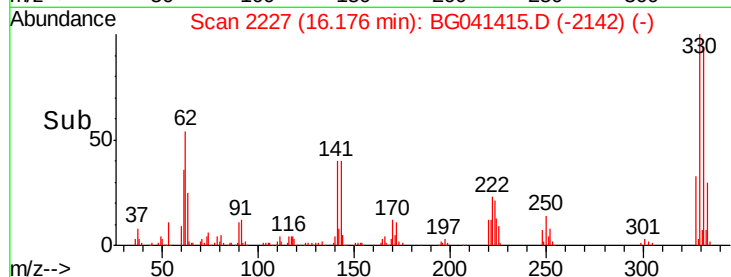
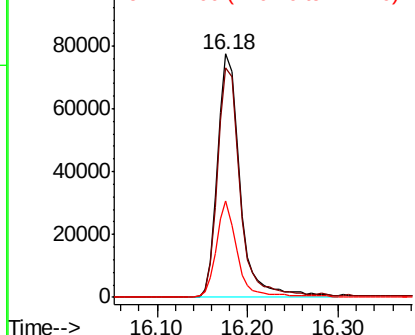
#42
 2,4,6-Tribromophenol
 Concen: 146.855 ng
 RT: 16.18 min Scan# 2227
 Delta R.T. -0.03 min
 Lab File: BG041415.D
 Acq: 22 Jun 2019 22:40

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-5

Tot Ion:330 Resp: 134076
 Ion Ratio Lower Upper
 330 100
 332 95.5 75.5 113.3
 141 35.9 29.0 43.4

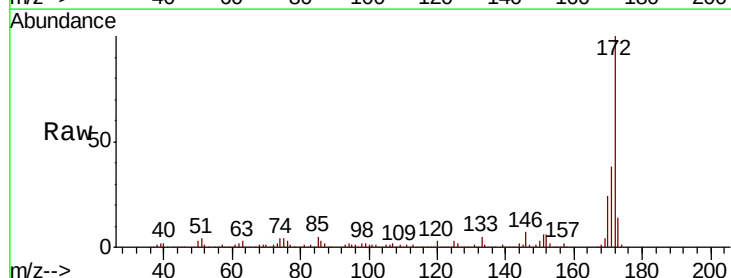


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

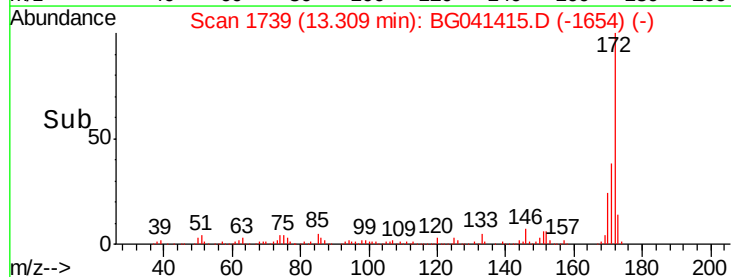
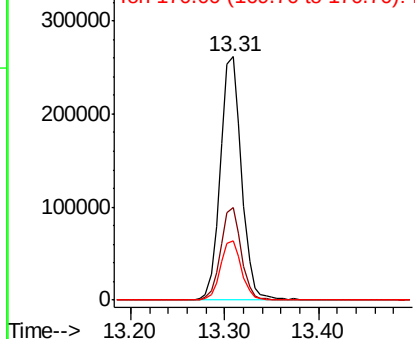


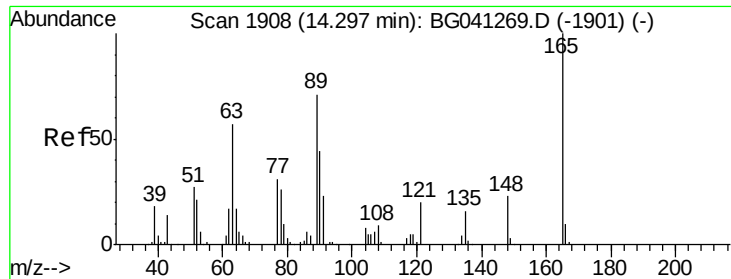
#45
 2-Fluorobiphenyl
 Concen: 94.144 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. -0.03 min
 Lab File: BG041415.D
 Acq: 22 Jun 2019 22:40

Tgt Ion:172 Resp: 411921
 Ion Ratio Lower Upper
 172 100
 171 38.0 30.0 45.0
 170 24.4 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: 6.919 ng

RT: 14.69 min Scan# 1974

Delta R.T. 0.39 min

Lab File: BG041415.D

Acq: 22 Jun 2019 22:40

Instrument :

BNA_G

ClientSampleId :

SAMPLE-5

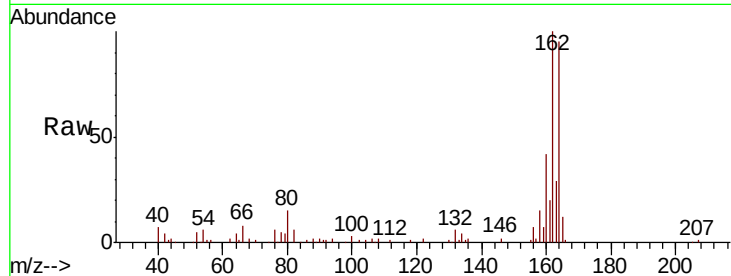
Tot Ion:165 Resp: 7720

Ion Ratio Lower Upper

165 100

63 0.0 55.4 83.0#

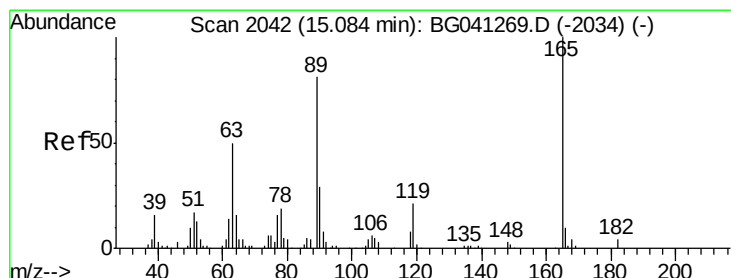
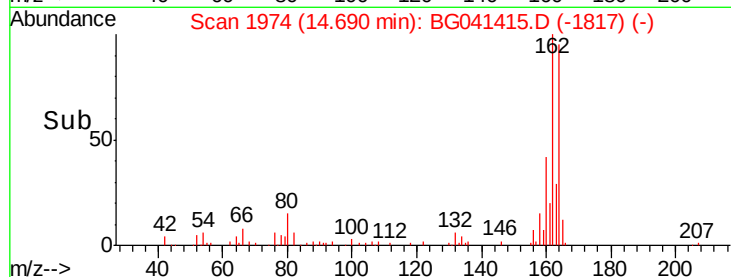
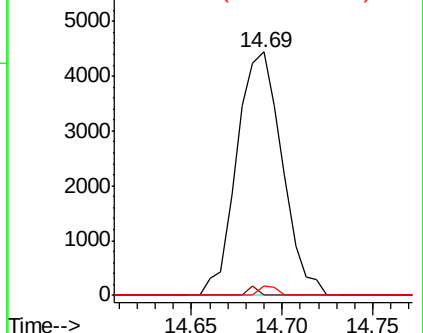
89 4.0 56.5 84.7#



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: 4.734 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.39 min

Lab File: BG041415.D

Acq: 22 Jun 2019 22:40

Tgt Ion:165 Resp: 7720

Ion Ratio Lower Upper

165 100

63 0.0 40.0 60.0#

89 4.0 64.6 96.8#

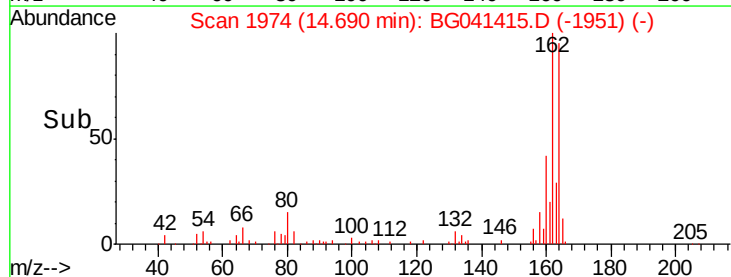
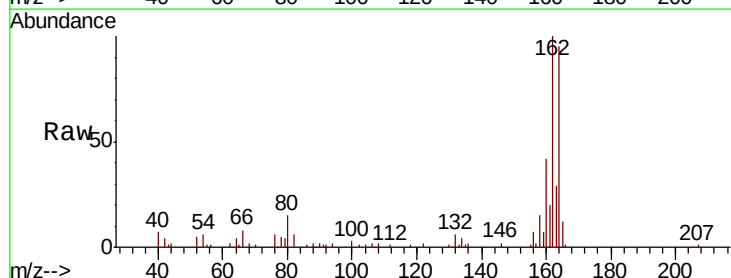
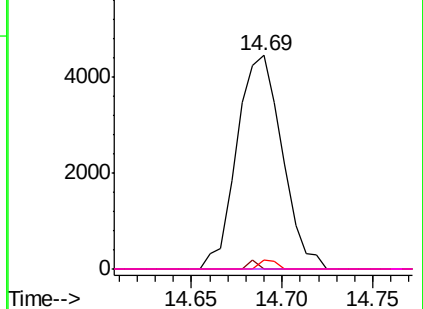
182 0.0 2.9 4.3#

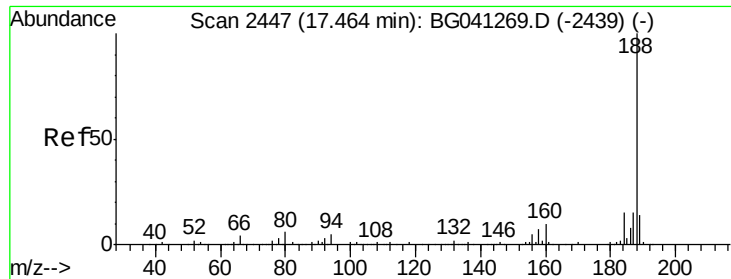
Abundance Ion 165.00 (164.70 to 165.70): E

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

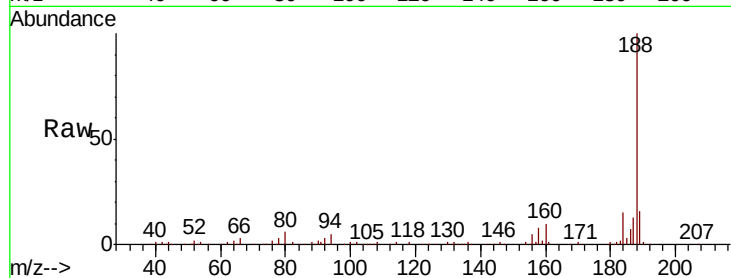




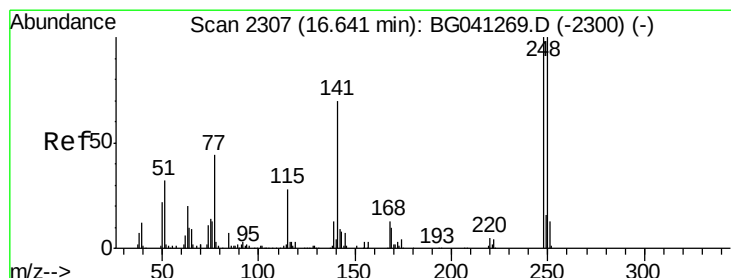
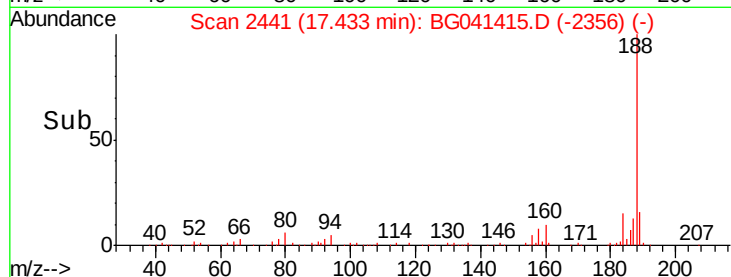
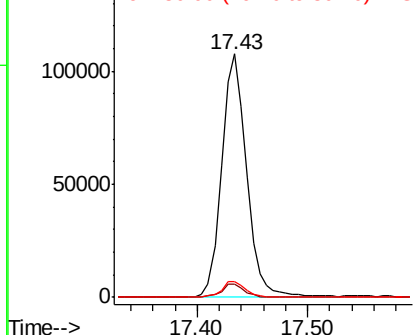
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2441
Delta R.T. -0.03 min
Lab File: BG041415.D
Acq: 22 Jun 2019 22:40

Instrument :
BNA_G
ClientSampleId :
SAMPLE-5

Tot Ion:188 Resp: 170122
Ion Ratio Lower Upper
188 100
94 5.3 3.6 5.4
80 6.2 4.8 7.2

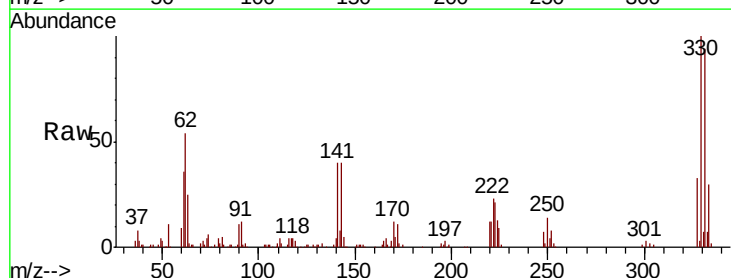


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

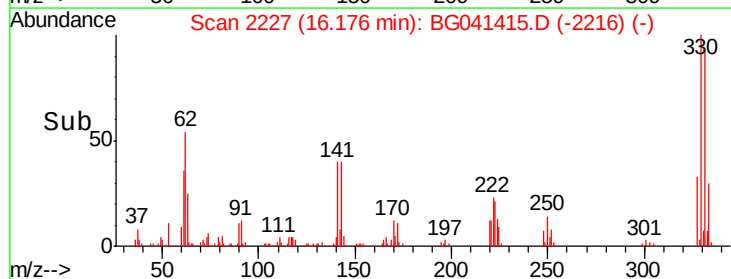
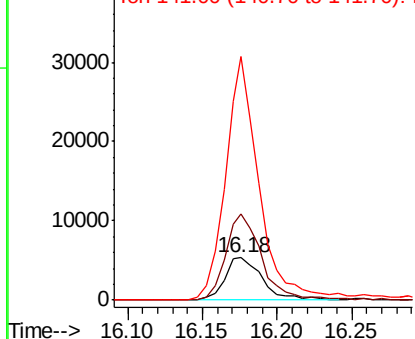


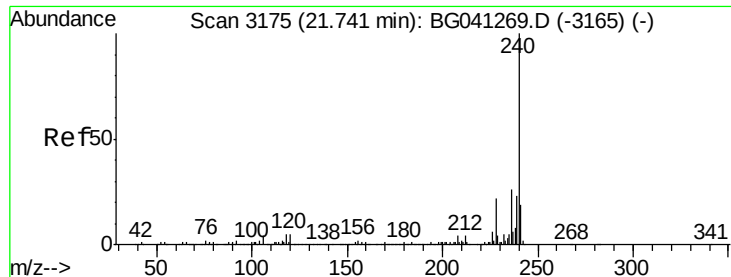
#67
4-Bromophenyl-phenylether
Concen: 4.283 ng
RT: 16.18 min Scan# 2227
Delta R.T. -0.47 min
Lab File: BG041415.D
Acq: 22 Jun 2019 22:40

Tgt Ion:248 Resp: 9421
Ion Ratio Lower Upper
248 100
250 155.1 79.8 119.8#
141 437.9 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

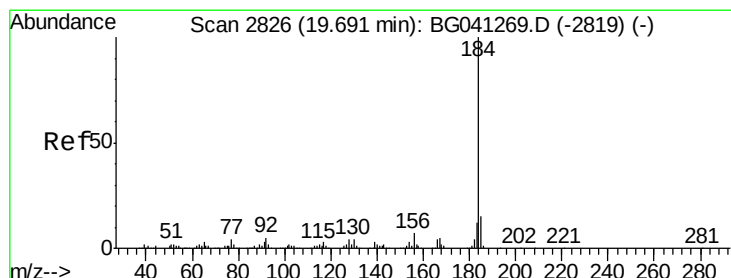
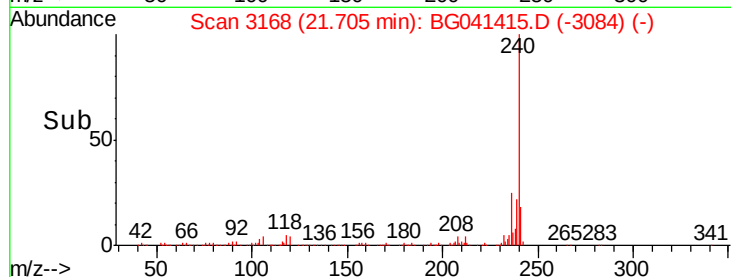
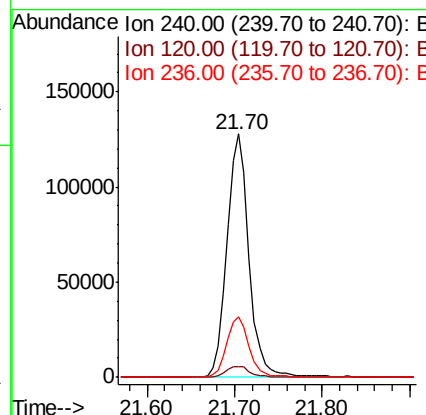
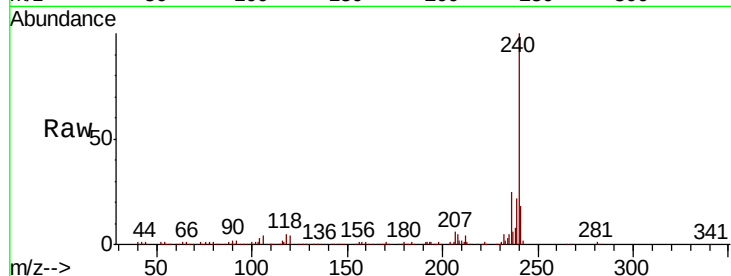




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.04 min
Lab File: BG041415.D
Acq: 22 Jun 2019 22:40

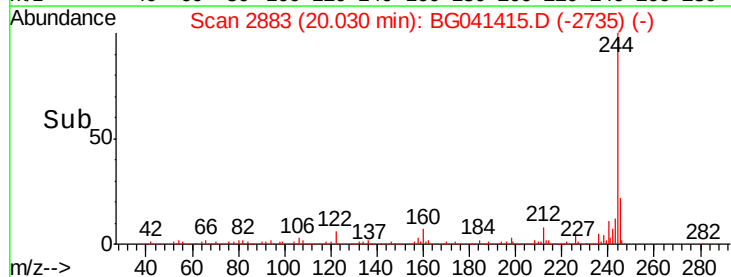
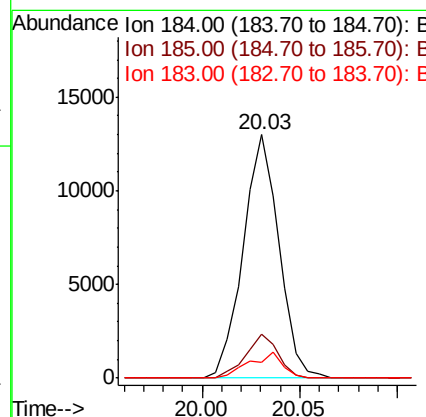
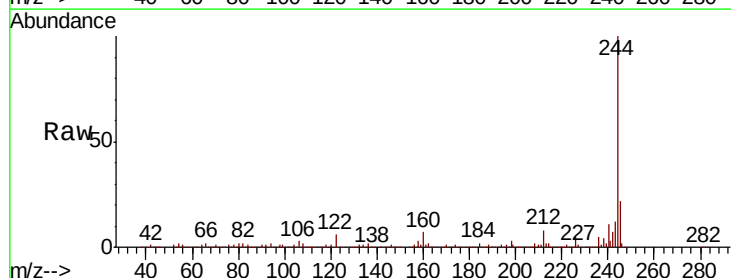
Instrument :
BNA_G
ClientSampleId :
SAMPLE-5

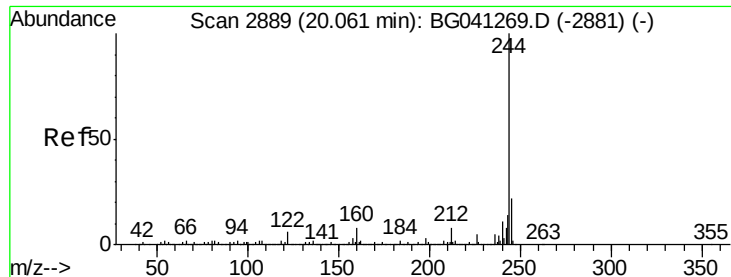
Tot Ion:240 Resp: 222461
Ion Ratio Lower Upper
240 100
120 4.5 3.7 5.5
236 25.0 21.1 31.7



#77
Benzidine
Concen: 3.055 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.34 min
Lab File: BG041415.D
Acq: 22 Jun 2019 22:40

Tgt Ion:184 Resp: 16441
Ion Ratio Lower Upper
184 100
185 18.2 12.2 18.2
183 6.7 9.6 14.4#





#79

Terphenyl-d14

Concen: 91.548 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.03 min

Lab File: BG041415.D

Acq: 22 Jun 2019 22:40

Instrument :

BNA_G

ClientSampled :

SAMPLE-5

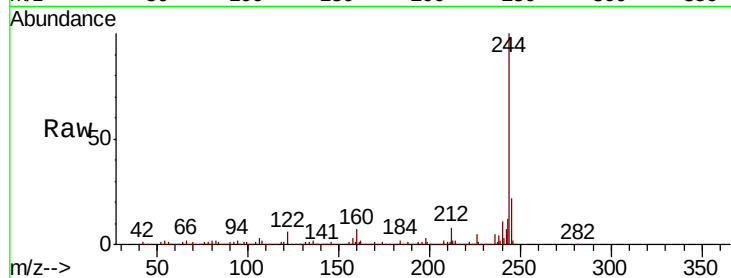
Tot Ion:244 Resp: 1027645

Ion Ratio Lower Upper

244 100

212 8.2 6.6 10.0

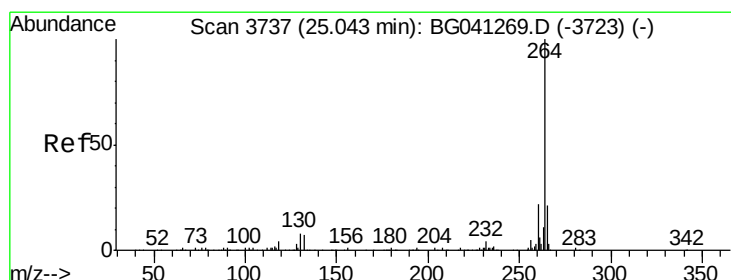
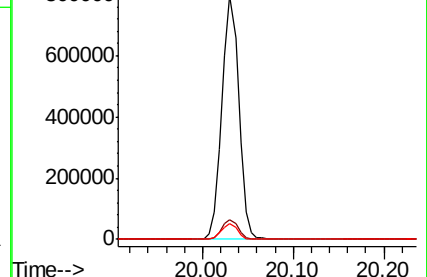
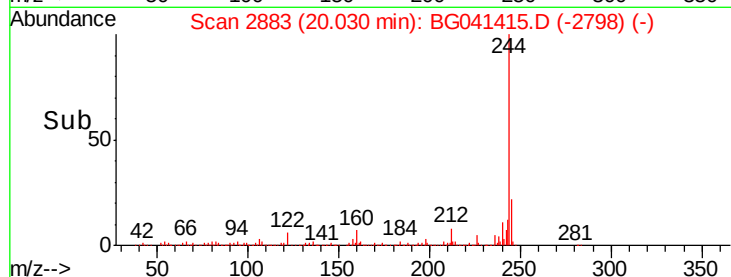
122 6.4 5.0 7.4



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# 3727

Delta R.T. -0.05 min

Lab File: BG041415.D

Acq: 22 Jun 2019 22:40

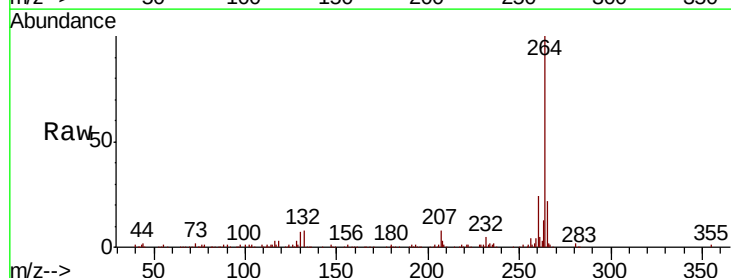
Tgt Ion:264 Resp: 229757

Ion Ratio Lower Upper

264 100

260 23.8 17.4 26.2

265 22.5 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

