

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062219\
 Data File : BG041412.D
 Acq On : 22 Jun 2019 20:46
 Operator : HP/JU
 Sample : K3158-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-062019

Quant Time: Jun 24 02:10:44 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

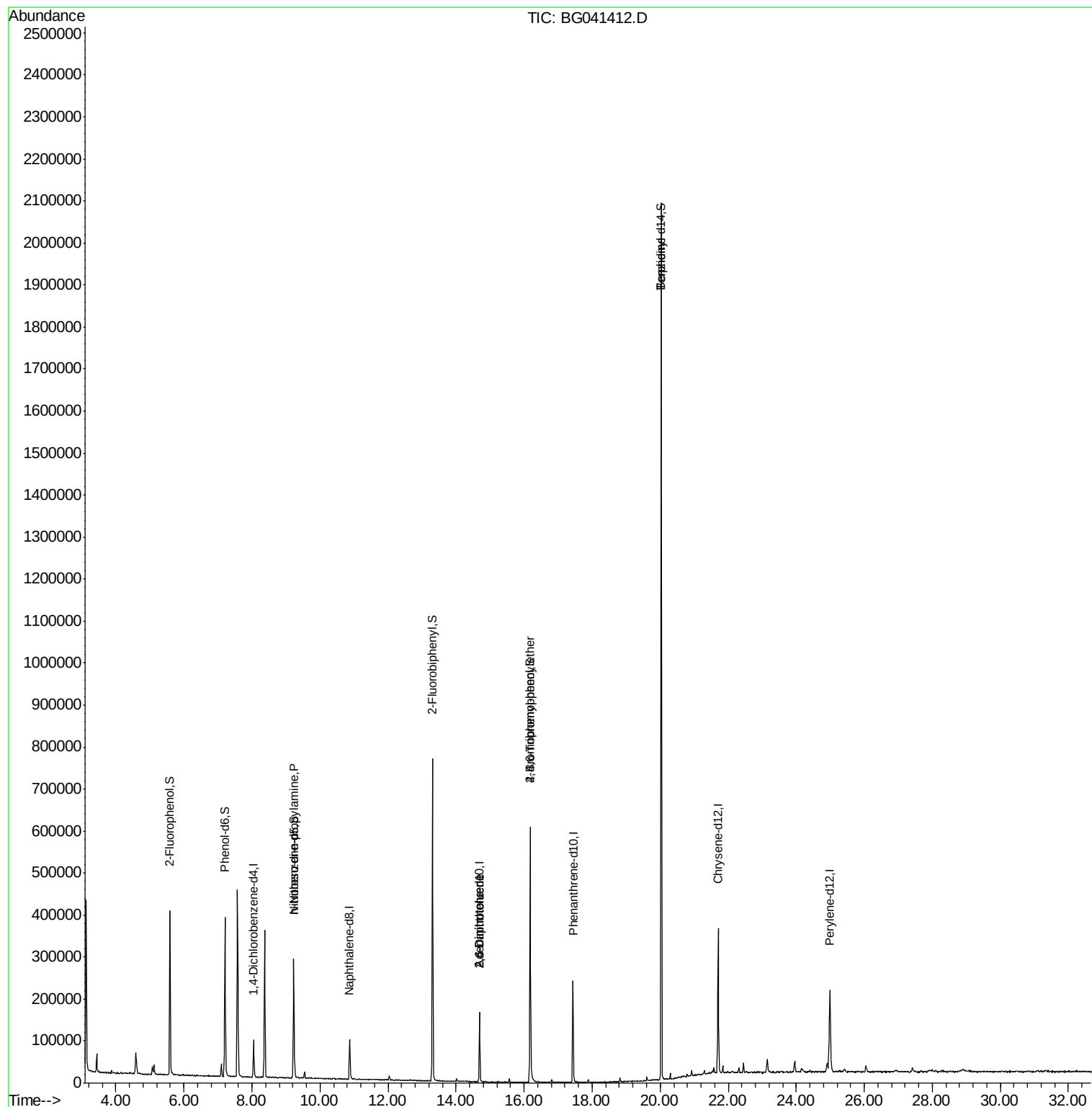
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	24040	20.00	ng	-0.03
21) Naphthalene-d8	10.87	136	85142	20.00	ng	-0.03
39) Acenaphthene-d10	14.69	164	59748	20.00	ng	-0.03
64) Phenanthrene-d10	17.44	188	164268	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	221434	20.00	ng	-0.04
87) Perylene-d12	24.99	264	235484	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	157071	120.05	ng	-0.03
7) Phenol-d6	7.21	99	202833	106.95	ng	-0.03
23) Nitrobenzene-d5	9.23	82	174385	86.14	ng	-0.03
42) 2,4,6-Tribromophenol	16.18	330	129141	140.79	ng	-0.03
45) 2-Fluorobiphenyl	13.31	172	396640	90.23	ng	-0.03
79) Terphenyl-d14	20.03	244	977937	87.52	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	24841	16.195	ng	# 85
51) 2,6-Dinitrotoluene	14.69	165	7175	6.401	ng	# 17
57) 2,4-Dinitrotoluene	14.69	165	7175	4.379	ng	# 20
67) 4-Bromophenyl-phenylether	16.18	248	9339	4.397	ng	# 1
77) Benzidine	20.03	184	16019	2.991	ng	# 96

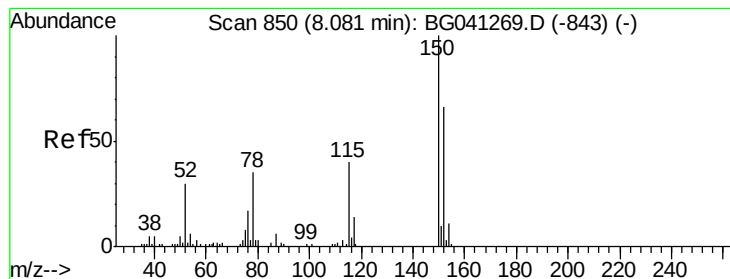
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062219\
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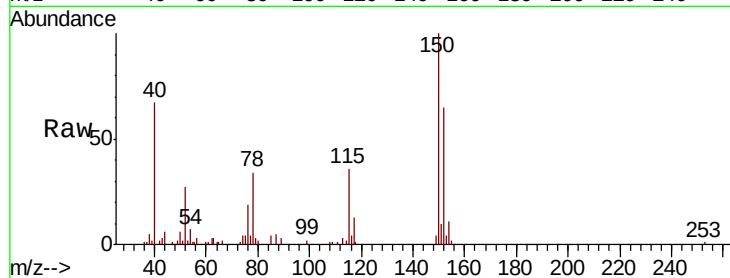


#1

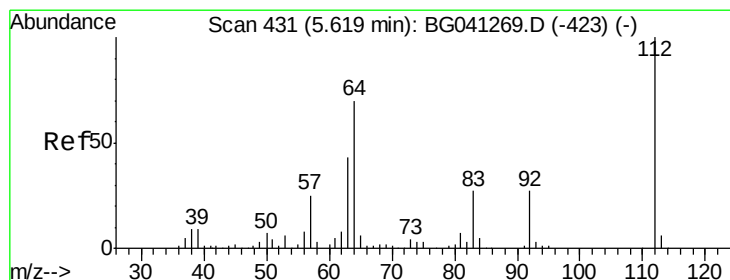
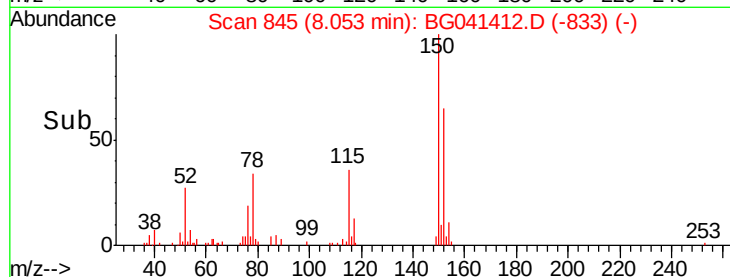
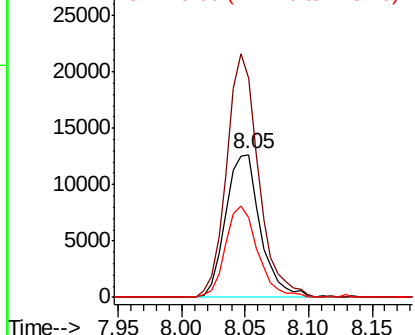
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.03 min
Lab File: BG041412.D
Acq: 22 Jun 2019 20:46

Instrument :
BNA_G
ClientSampleId :
OK-03-062019

Tot Ion:152 Resp: 24040
Ion Ratio Lower Upper
152 100
150 153.4 120.6 181.0
115 55.6 47.9 71.9



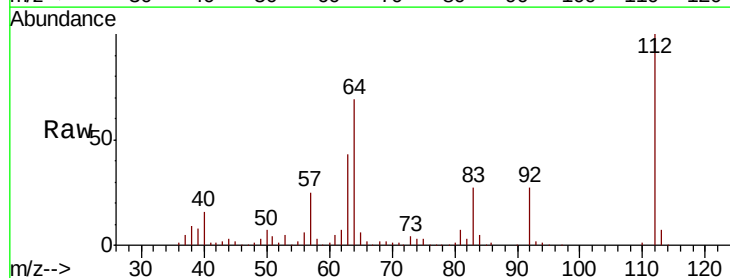
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



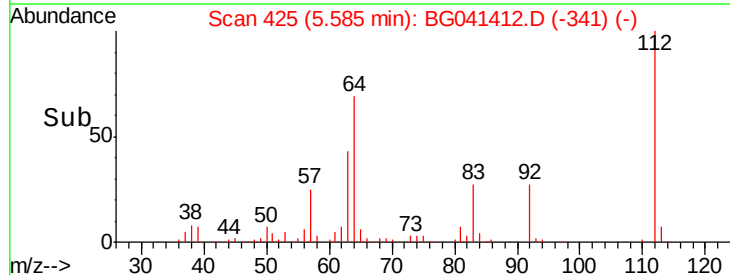
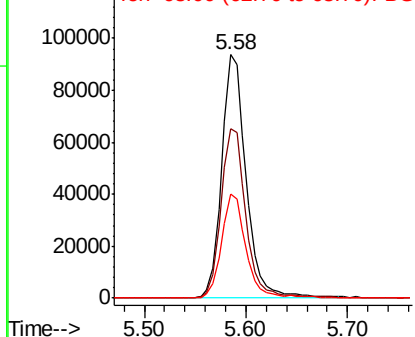
#5

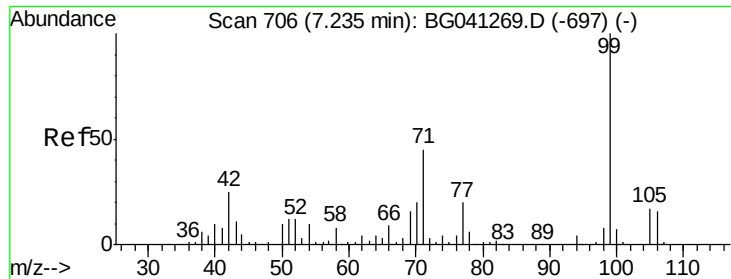
2-Fluorophenol
Concen: 120.052 ng
RT: 5.58 min Scan# 425
Delta R.T. -0.03 min
Lab File: BG041412.D
Acq: 22 Jun 2019 20:46

Tgt Ion:112 Resp: 157071
Ion Ratio Lower Upper
112 100
64 69.5 55.9 83.9
63 43.0 34.6 51.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 106.952 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.03 min

Lab File: BG041412.D

Acq: 22 Jun 2019 20:46

Instrument :

BNA_G

ClientSampleId :

OK-03-062019

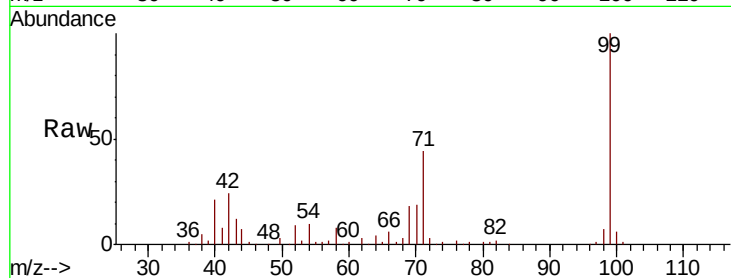
Tot Ion: 99 Resp: 202833

Ion Ratio Lower Upper

99 100

42 24.4 19.9 29.9

71 43.8 36.4 54.6

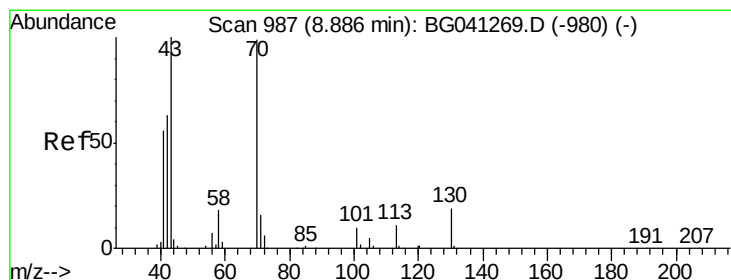
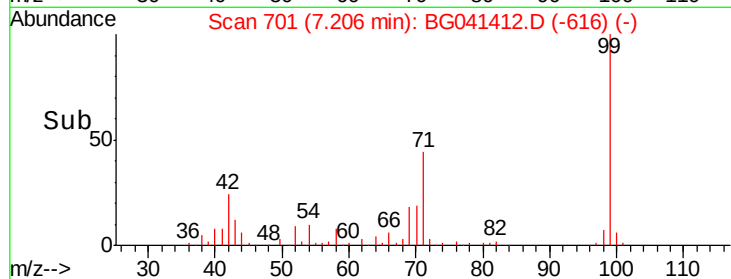
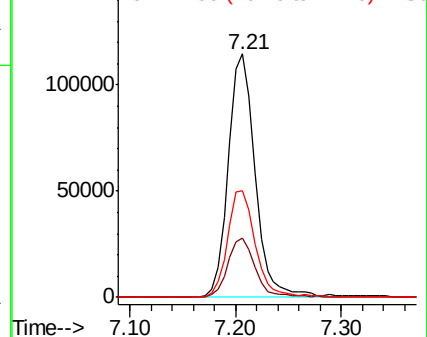


Abundance

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: 16.195 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.34 min

Lab File: BG041412.D

Acq: 22 Jun 2019 20:46

Tgt Ion: 70 Resp: 24841

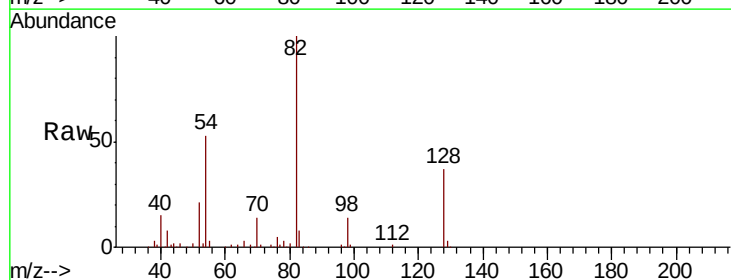
Ion Ratio Lower Upper

70 100

42 58.9 51.4 77.2

101 0.0 8.2 12.2#

130 2.8 15.2 22.8#



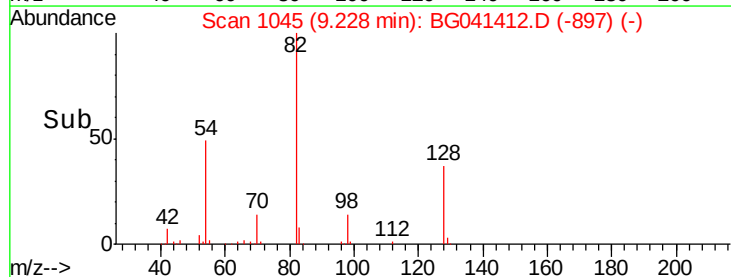
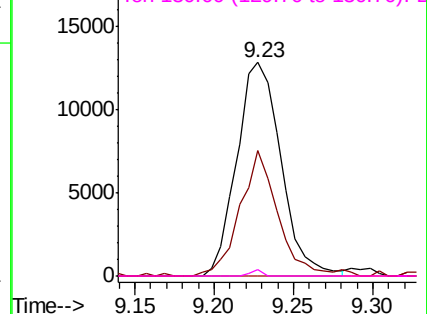
Abundance

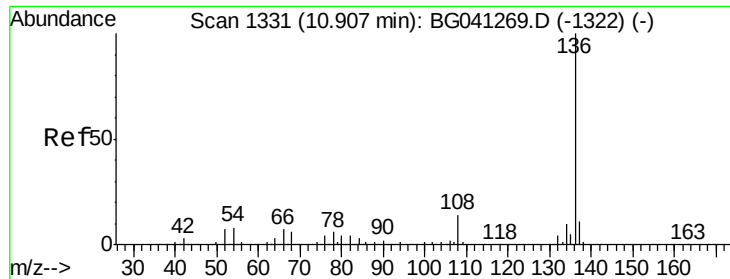
Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

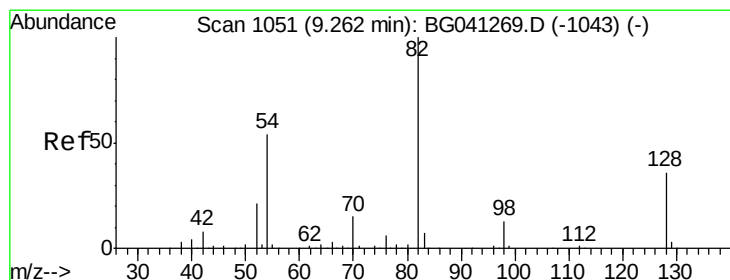
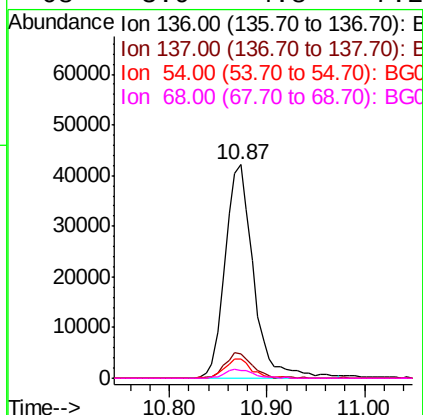
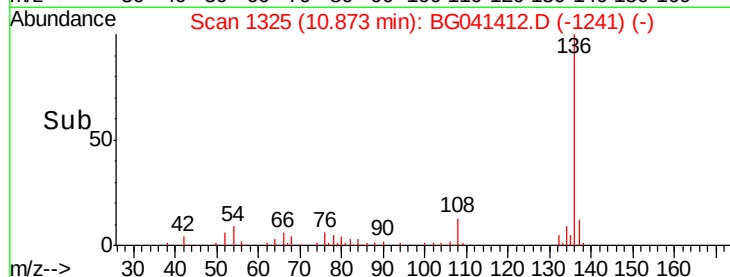
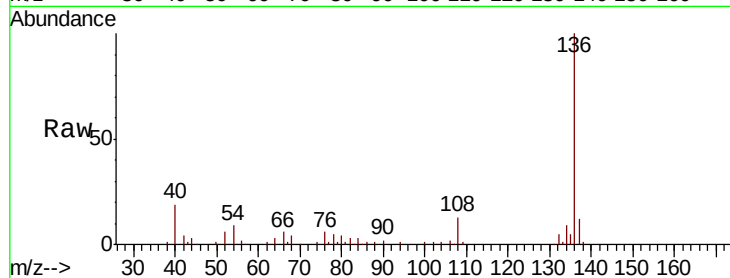




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.03 min
Lab File: BG041412.D
Acq: 22 Jun 2019 20:46

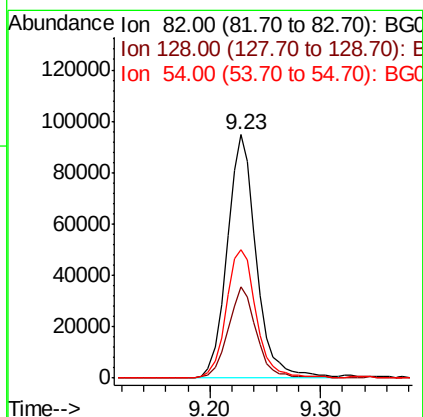
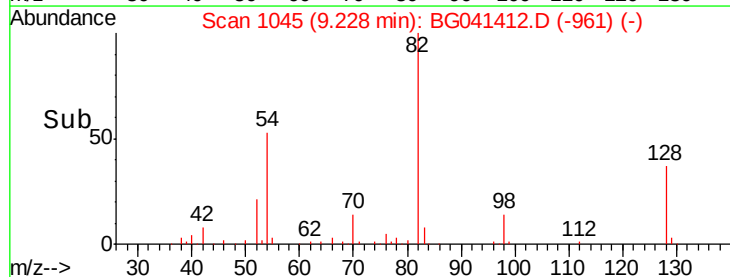
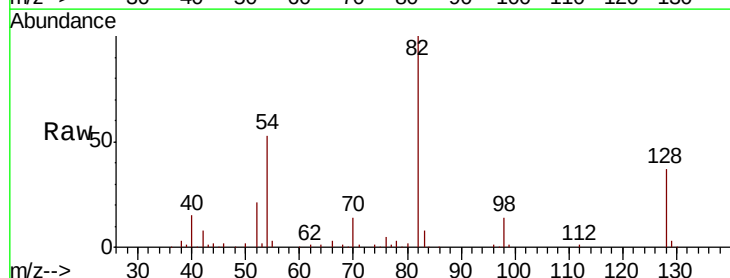
Instrument :
BNA_G
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OK-03-062019

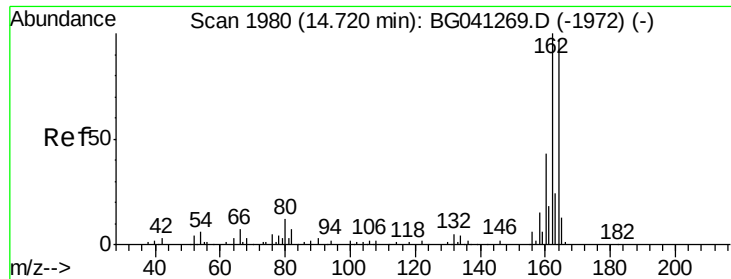
Tot Ion:136 Resp: 85142
Ion Ratio Lower Upper
136 100
137 11.6 8.8 13.2
54 8.8 6.4 9.6
68 3.9 4.8 7.2#



#23
Nitrobenzene-d5
Concen: 86.138 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.03 min
Lab File: BG041412.D
Acq: 22 Jun 2019 20:46

Tgt Ion: 82 Resp: 174385
Ion Ratio Lower Upper
82 100
128 37.3 29.2 43.8
54 52.8 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: BG041412.D

Acq: 22 Jun 2019 20:46

Instrument :

BNA_G

ClientSampleId :

OK-03-062019

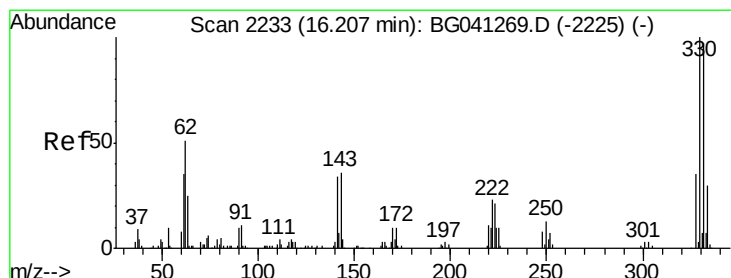
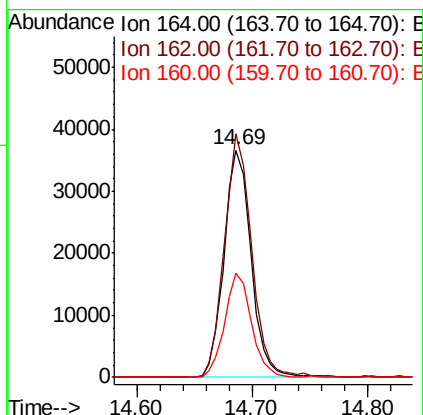
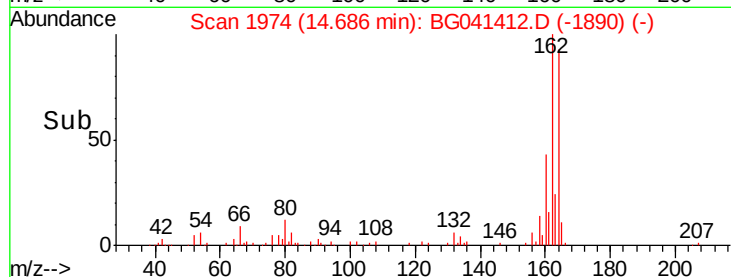
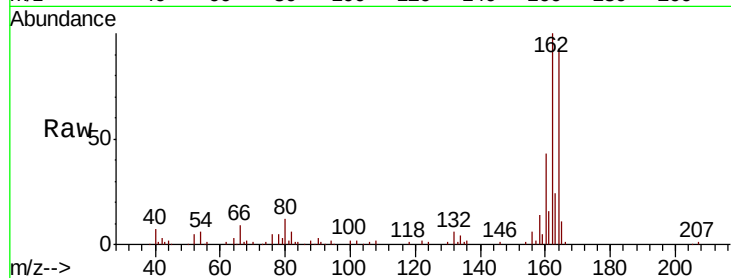
Tot Ion:164 Resp: 59748

Ion Ratio Lower Upper

164 100

162 107.2 82.8 124.2

160 45.8 35.8 53.8



#42

2,4,6-Tribromophenol

Concen: 140.789 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.03 min

Lab File: BG041412.D

Acq: 22 Jun 2019 20:46

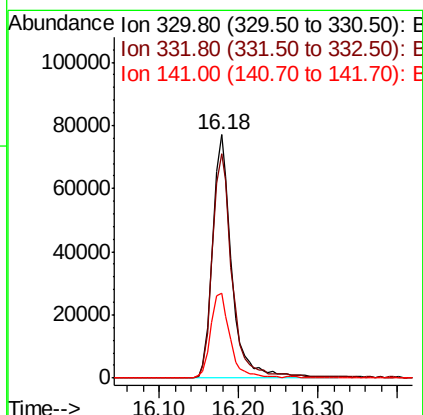
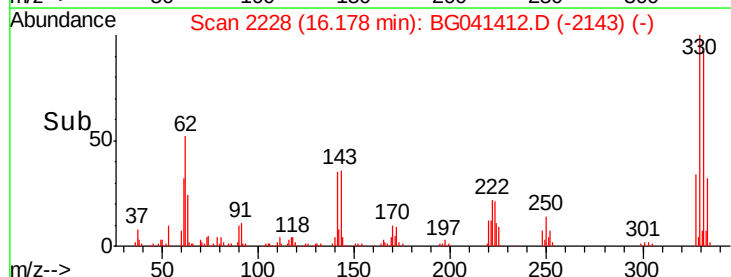
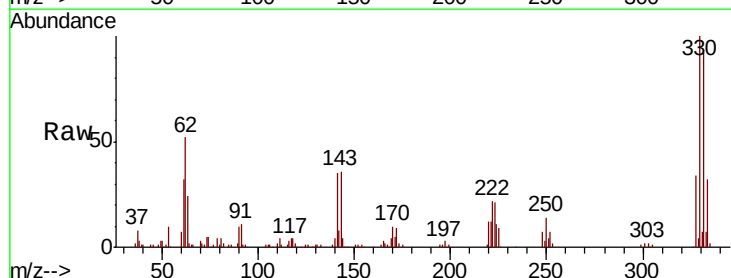
Tgt Ion:330 Resp: 129141

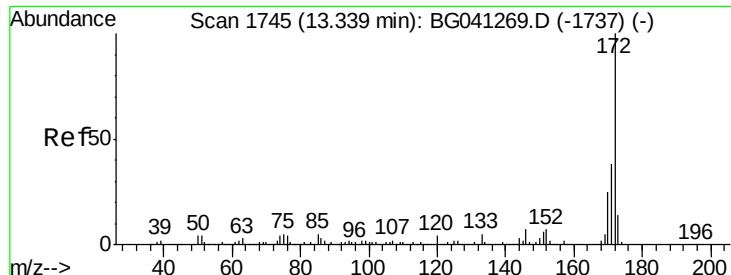
Ion Ratio Lower Upper

330 100

332 94.9 75.5 113.3

141 36.0 29.0 43.4

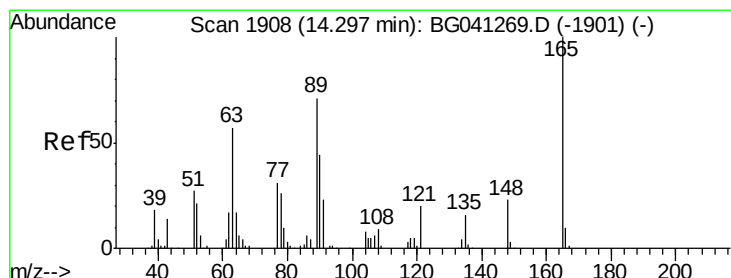
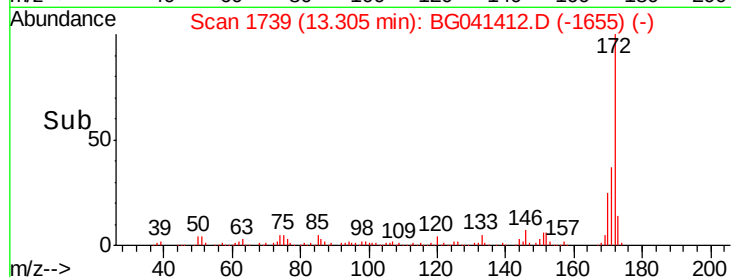
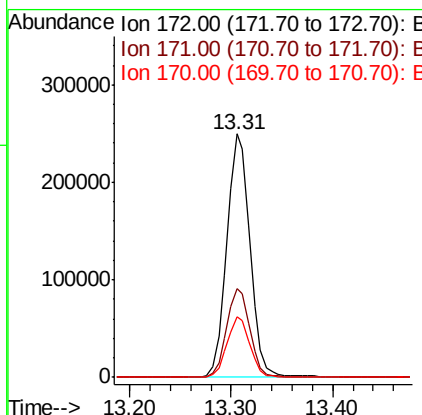
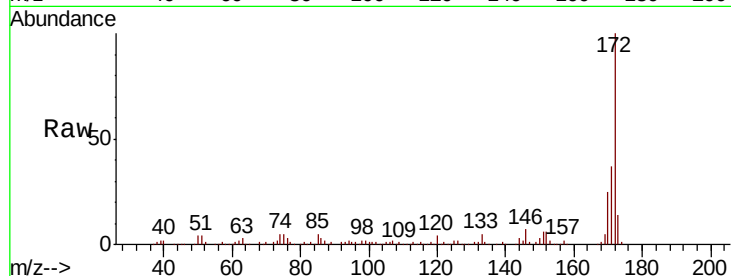




#45
2-Fluorobiphenyl
Concen: 90.228 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.03 min
Lab File: BG041412.D
Acq: 22 Jun 2019 20:46

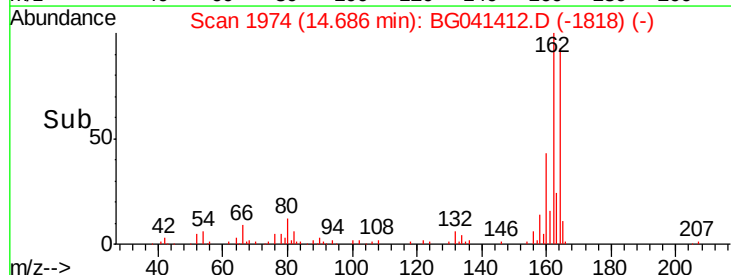
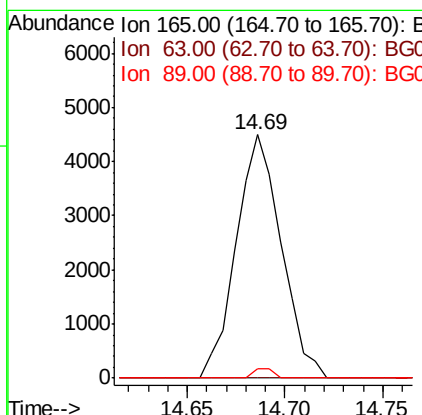
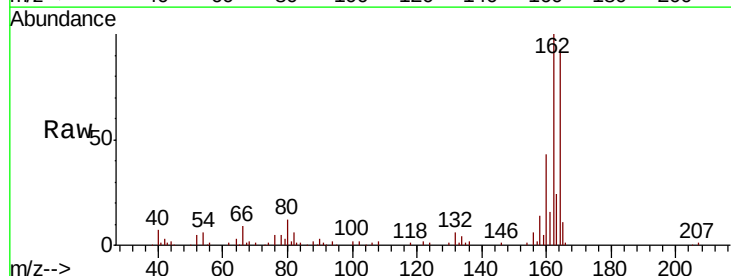
Instrument :
BNA_G
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OK-03-062019

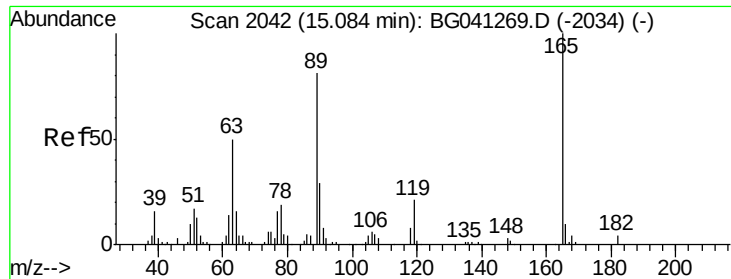
Tot Ion:172 Resp: 396640
Ion Ratio Lower Upper
172 100
171 36.7 30.0 45.0
170 24.9 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 6.401 ng
RT: 14.69 min Scan# 1974
Delta R.T. 0.39 min
Lab File: BG041412.D
Acq: 22 Jun 2019 20:46

Tgt Ion:165 Resp: 7175
Ion Ratio Lower Upper
165 100
63 0.0 55.4 83.0#
89 3.7 56.5 84.7#





#57

2,4-Dinitrotoluene

Concen: 4.379 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.40 min

Lab File: BG041412.D

Acq: 22 Jun 2019 20:46

Instrument :

BNA_G

ClientSampleId :

OK-03-062019

Tot Ion:165 Resp: 7175

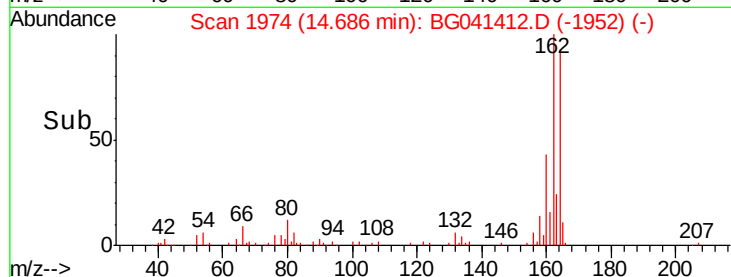
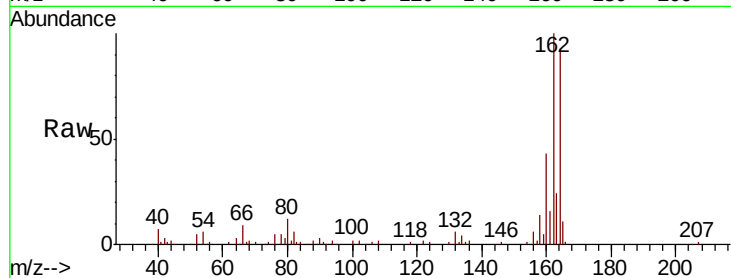
Ion Ratio Lower Upper

165 100

63 0.0 40.0 60.0#

89 3.7 64.6 96.8#

182 0.0 2.9 4.3#

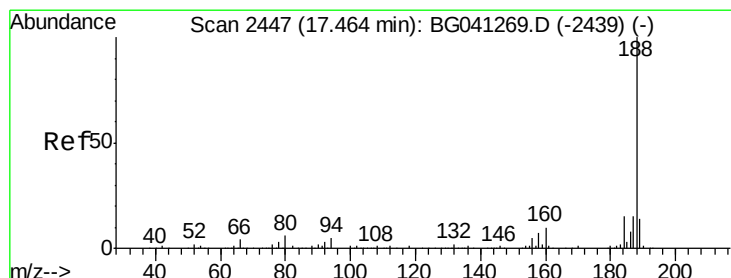
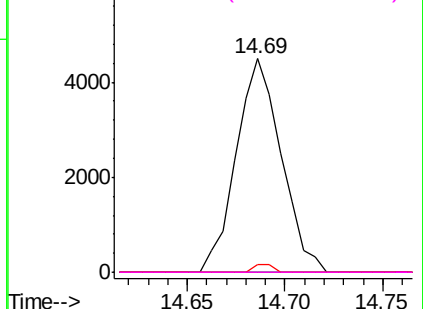


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG041412.D

Acq: 22 Jun 2019 20:46

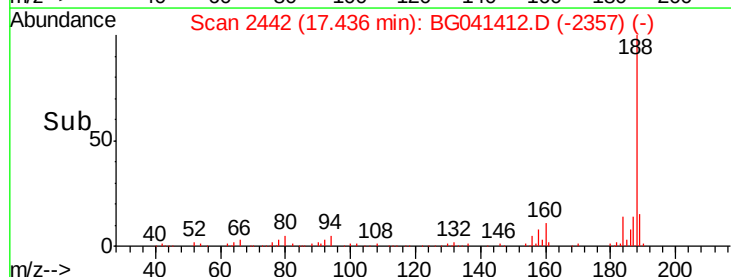
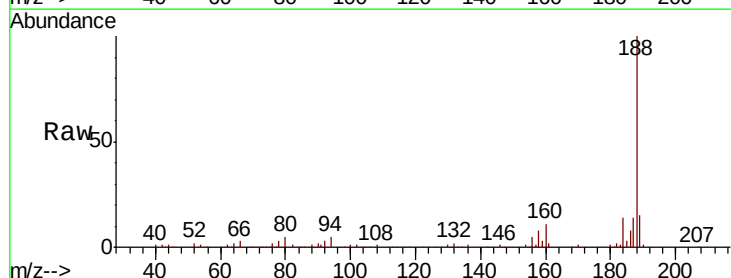
Tgt Ion:188 Resp: 164268

Ion Ratio Lower Upper

188 100

94 5.4 3.6 5.4#

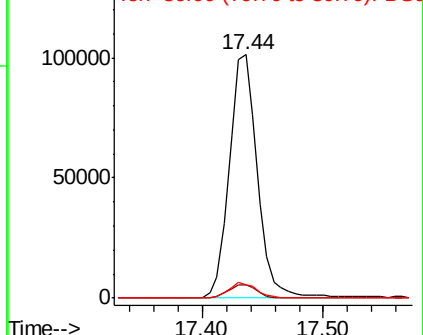
80 5.4 4.8 7.2

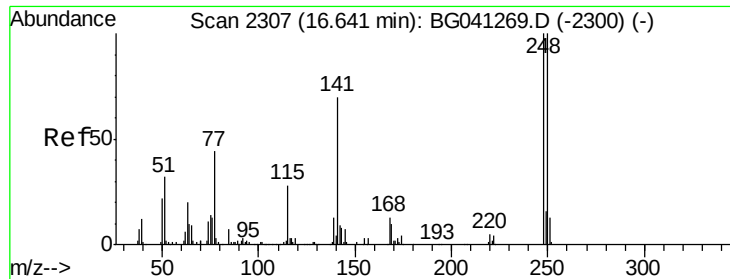


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#67

4-Bromophenyl-phenylether

Concen: 4.397 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.46 min

Lab File: BG041412.D

Acq: 22 Jun 2019 20:46

Instrument :

BNA_G

ClientSampleId :

OK-03-062019

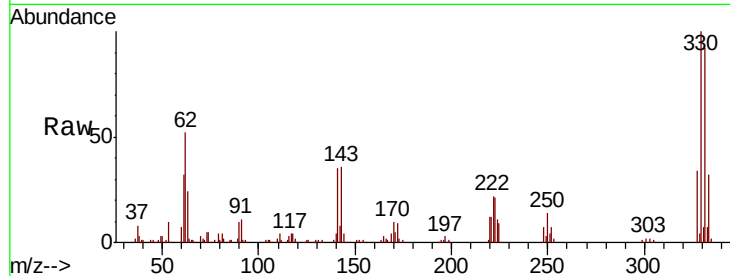
Tot Ion:248 Resp: 9339

Ion Ratio Lower Upper

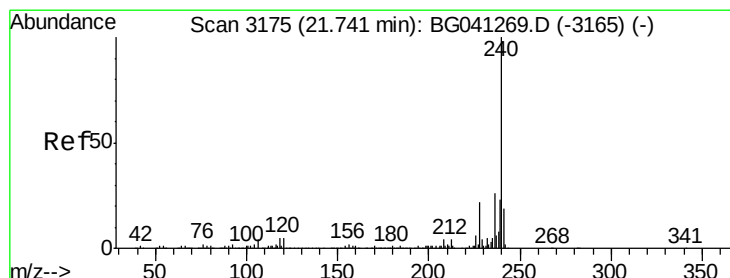
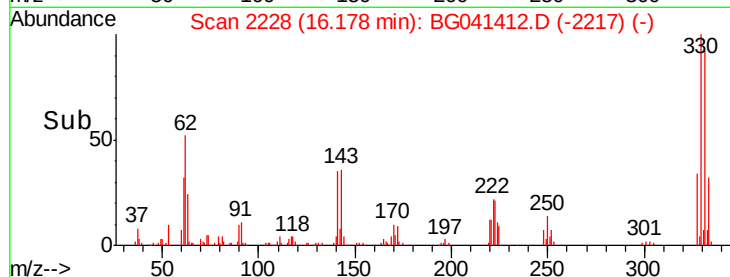
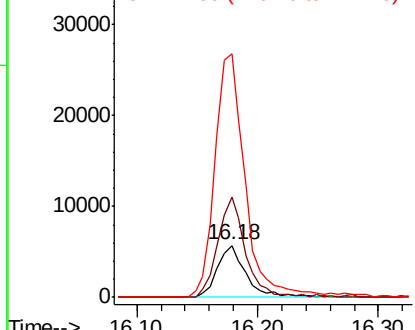
248 100

250 192.1 79.8 119.8#

141 468.8 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: BG041412.D

Acq: 22 Jun 2019 20:46

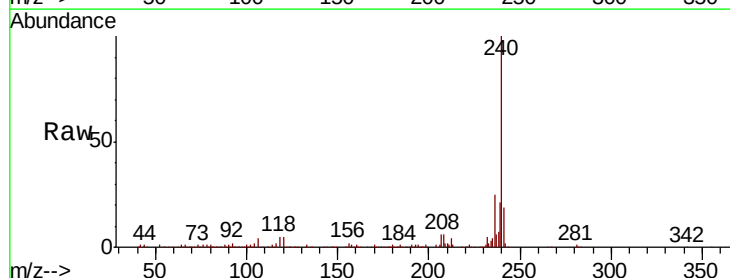
Tgt Ion:240 Resp: 221434

Ion Ratio Lower Upper

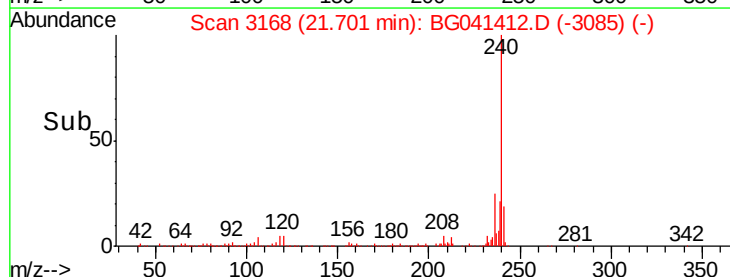
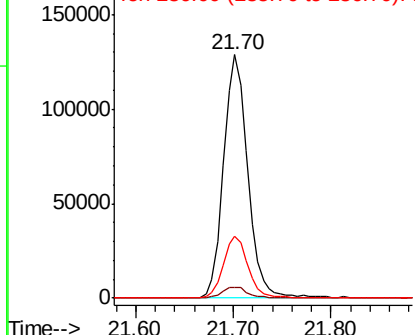
240 100

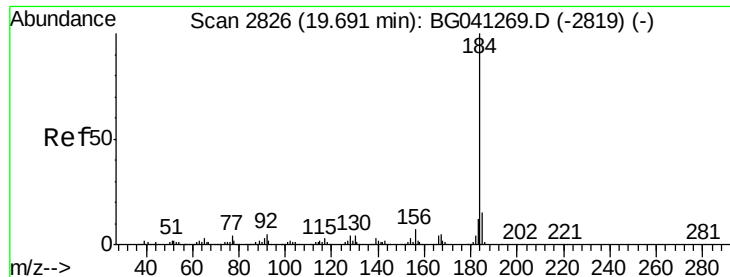
120 4.5 3.7 5.5

236 25.5 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





#77

Benzidine

Concen: 2.991 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.34 min

Lab File: BG041412.D

Acq: 22 Jun 2019 20:46

Instrument :

BNA_G

ClientSampleId :

OK-03-062019

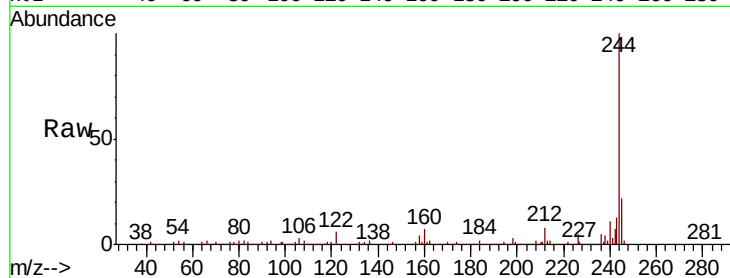
Tot Ion:184 Resp: 16019

Ion Ratio Lower Upper

184 100

185 15.7 12.2 18.2

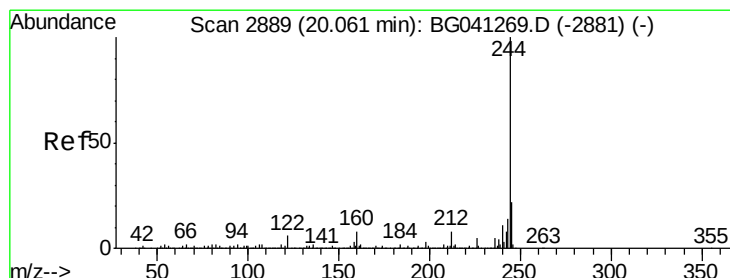
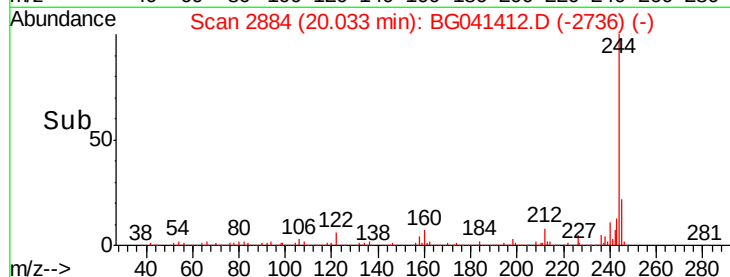
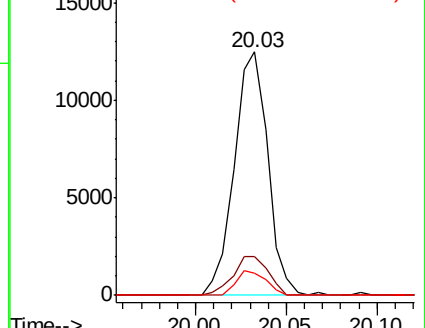
183 8.8 9.6 14.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 87.524 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG041412.D

Acq: 22 Jun 2019 20:46

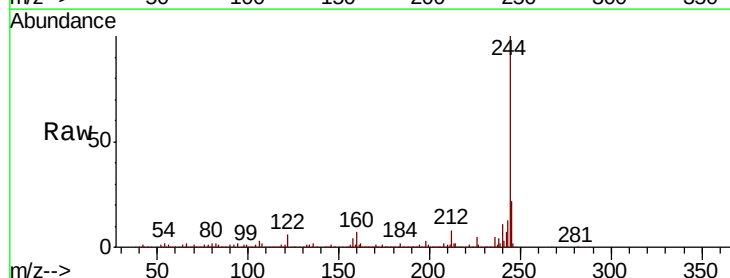
Tgt Ion:244 Resp: 977937

Ion Ratio Lower Upper

244 100

212 8.3 6.6 10.0

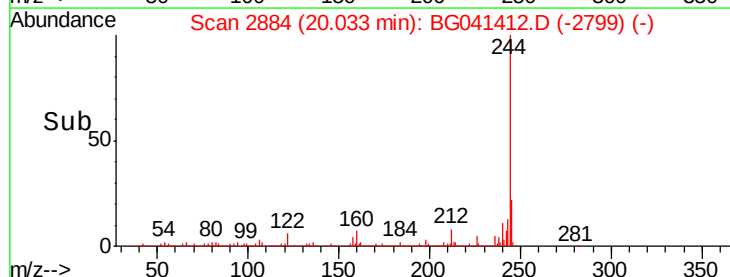
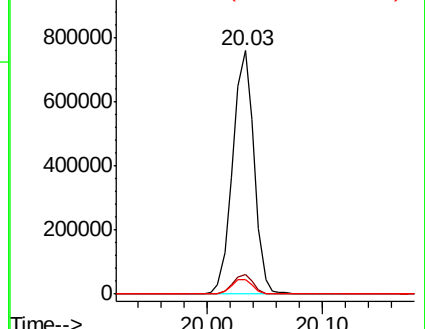
122 6.0 5.0 7.4

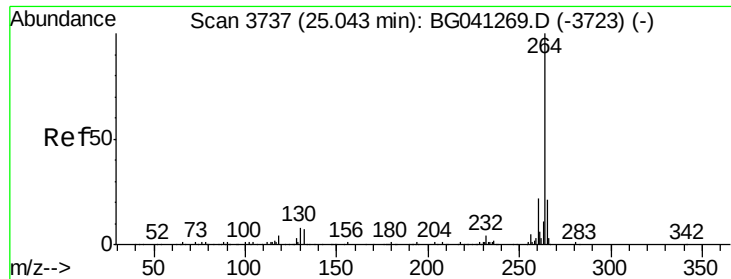


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.99 min Scan# 3728
 Delta R.T. -0.05 min
 Lab File: BG041412.D
 Acq: 22 Jun 2019 20:46

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-062019

Tot Ion:264 Resp: 235484
 Ion Ratio Lower Upper
 264 100
 260 23.3 17.4 26.2
 265 21.2 17.2 25.8

