

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061719\
 Data File : BG041290.D
 Acq On : 18 Jun 2019 3:17
 Operator : HP/JU
 Sample : K3154-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 18 07:47:41 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

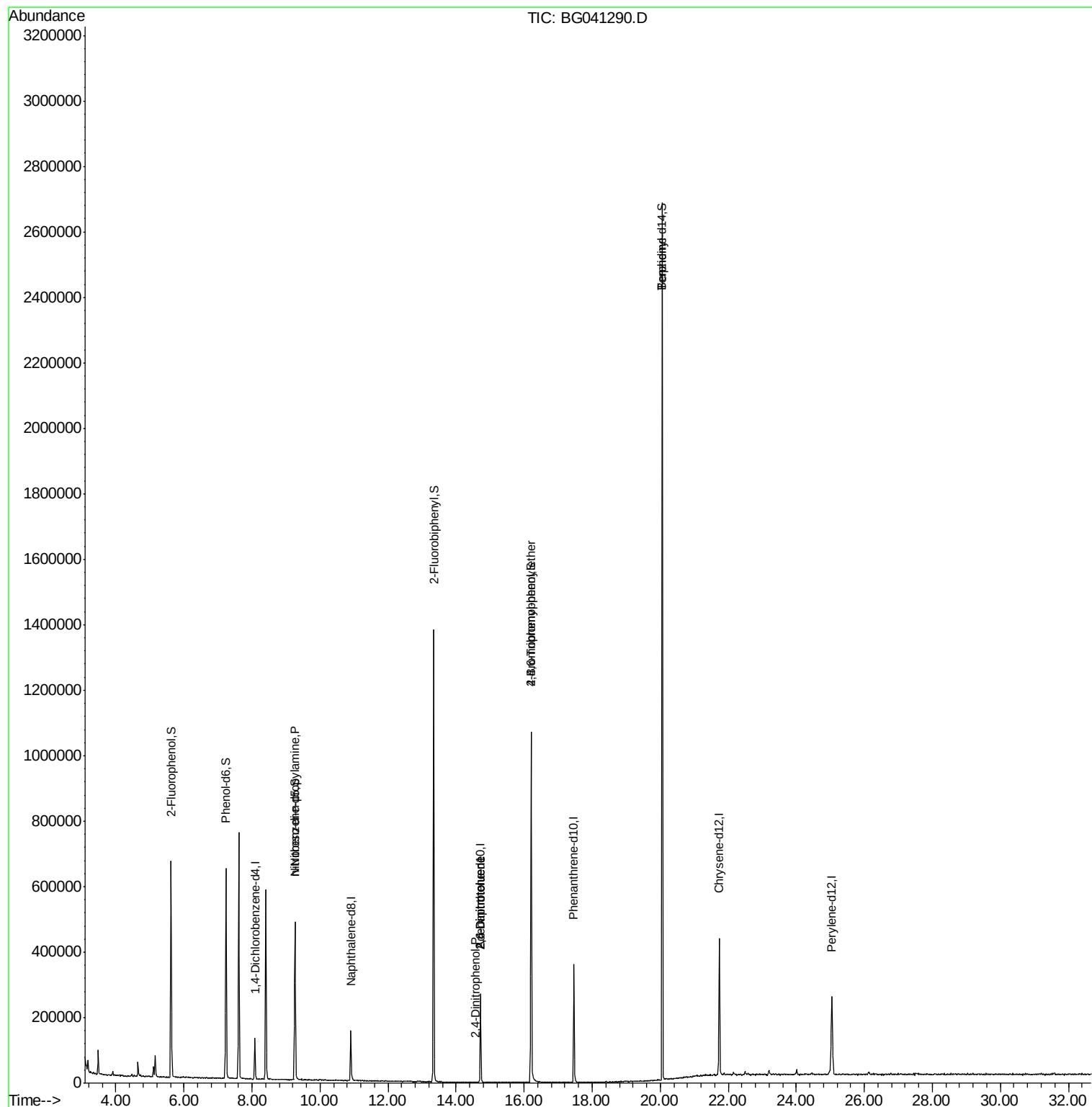
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	33921	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	128680	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	97408	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	245990	20.00	ng	0.00
76) Chrysene-d12	21.74	240	263205	20.00	ng	0.00
87) Perylene-d12	25.04	264	269539	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	245329	132.89	ng	0.00
7) Phenol-d6	7.24	99	312443	116.76	ng	0.00
23) Nitrobenzene-d5	9.26	82	291907	95.40	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	211427	141.38	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	680638	94.97	ng	0.00
79) Terphenyl-d14	20.06	244	1296427	97.61	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.26	70	42906	19.824	ng	# 77
51) 2,6-Dinitrotoluene	14.72	165	12708	6.954	ng	# 16
54) 2,4-Dinitrophenol	14.58	184	71	4.897	ng	# 13
57) 2,4-Dinitrotoluene	14.72	165	12708	4.757	ng	# 19
67) 4-Bromophenyl-phenylether	16.21	248	15887	4.995	ng	# 1
77) Benzidine	20.06	184	23278	3.656	ng	# 95

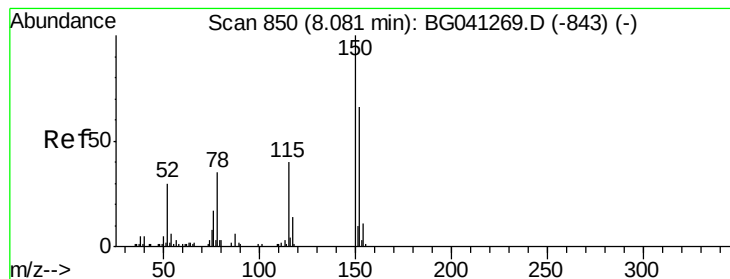
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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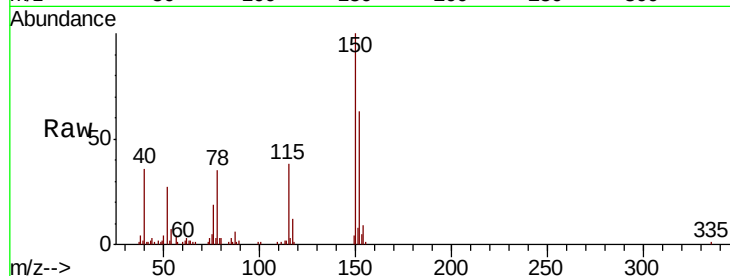


#1

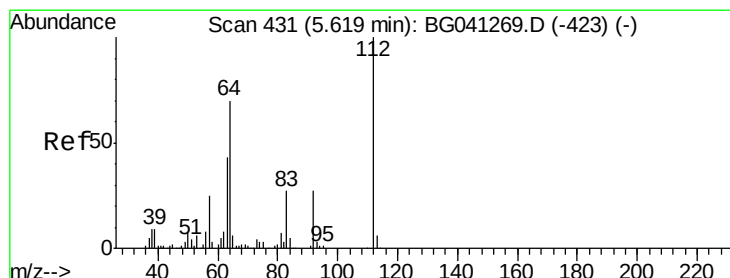
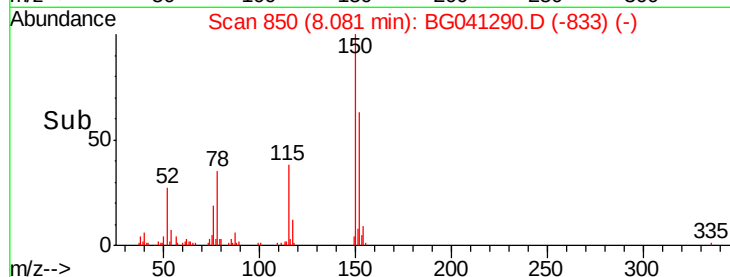
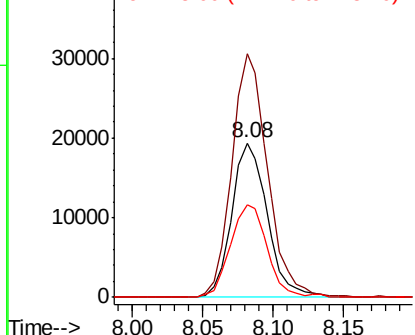
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 850
Delta R.T. 0.00 min
Lab File: BG041290.D
Acq: 18 Jun 2019 3:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 33921
Ion Ratio Lower Upper
152 100
150 157.8 120.6 181.0
115 59.7 47.9 71.9



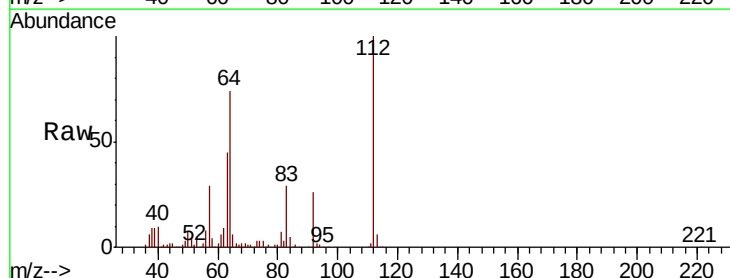
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



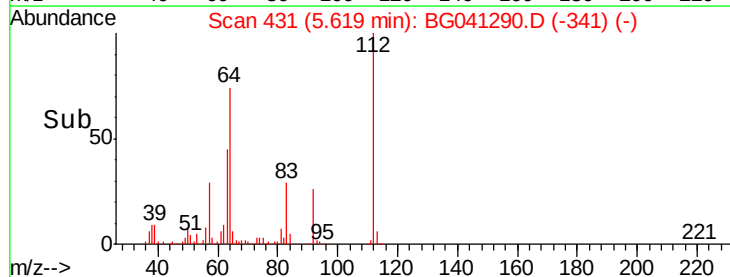
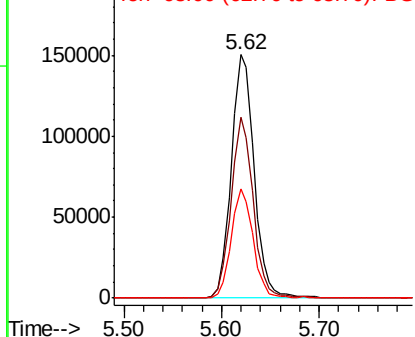
#5

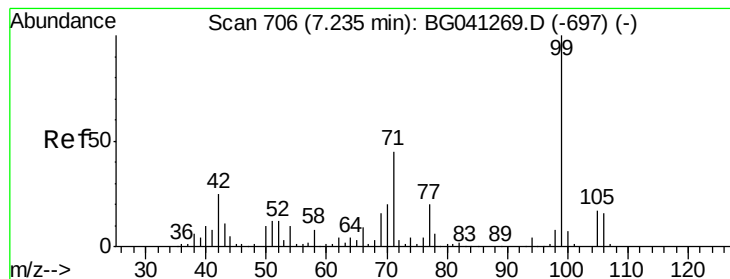
2-Fluorophenol
Concen: 132.889 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG041290.D
Acq: 18 Jun 2019 3:17

Tgt Ion:112 Resp: 245329
Ion Ratio Lower Upper
112 100
64 74.0 55.9 83.9
63 44.6 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: 116.758 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG041290.D

Acq: 18 Jun 2019 3:17

Instrument :

BNA_G

ClientSampled :

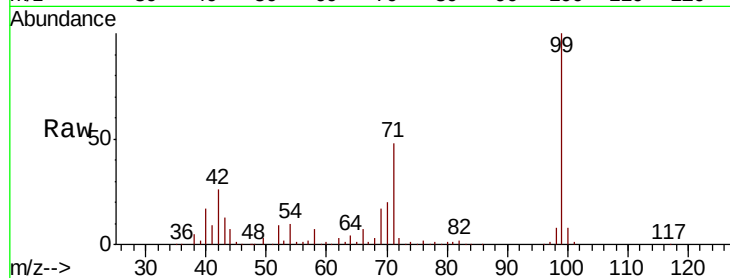
Tot Ion: 99 Resp: 312443

Ion Ratio Lower Upper

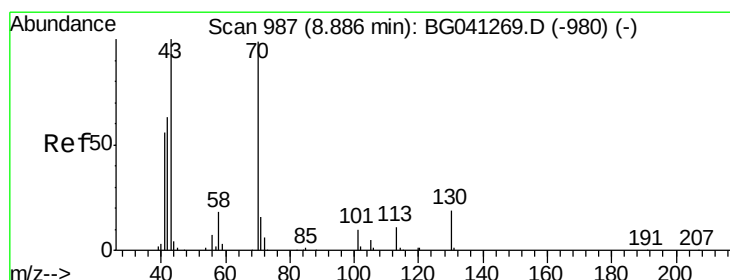
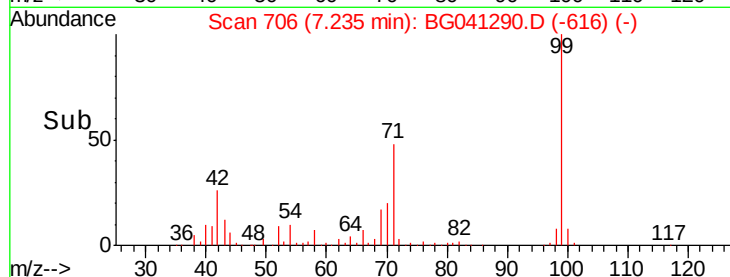
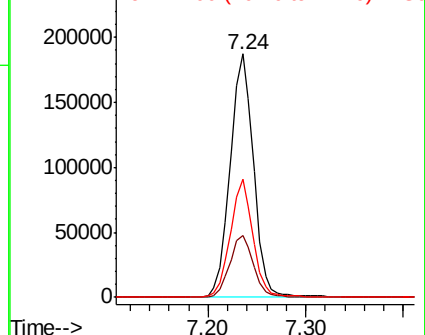
99 100

42 25.6 19.9 29.9

71 48.3 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: 19.824 ng

RT: 9.26 min Scan# 1051

Delta R.T. 0.38 min

Lab File: BG041290.D

Acq: 18 Jun 2019 3:17

Tgt Ion: 70 Resp: 42906

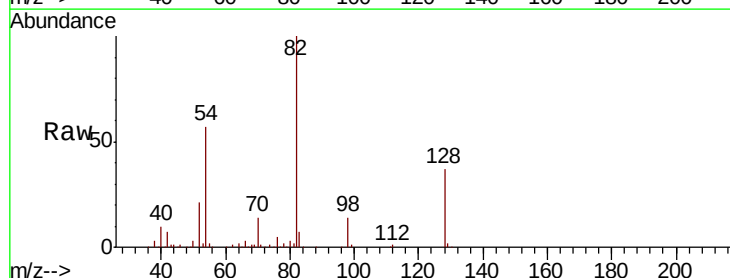
Ion Ratio Lower Upper

70 100

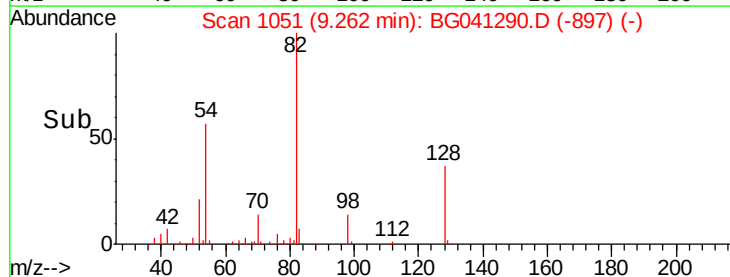
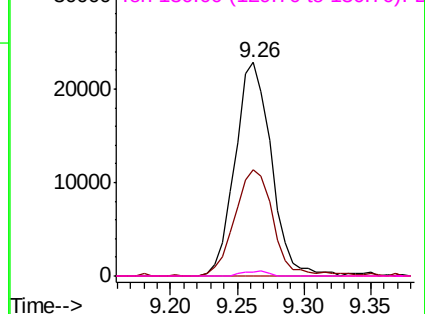
42 50.0 51.4 77.2#

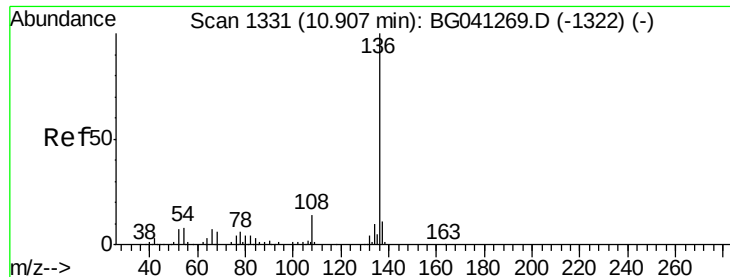
101 0.0 8.2 12.2#

130 1.8 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: 10.90 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BG041290.D

Acq: 18 Jun 2019 3:17

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 128680

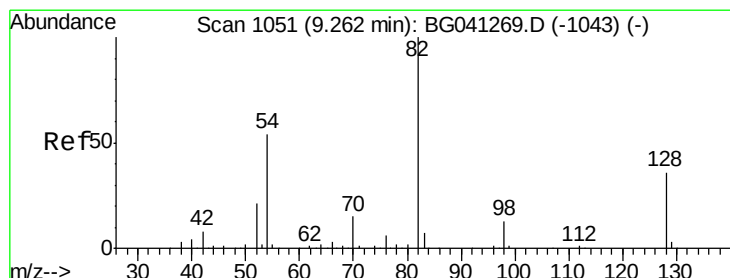
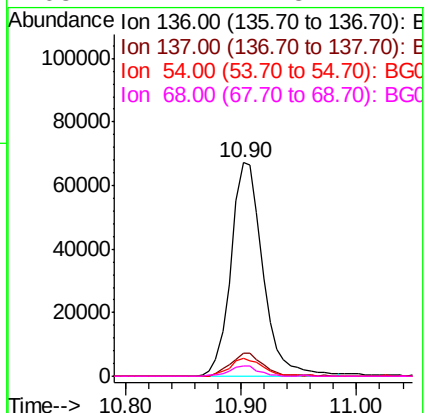
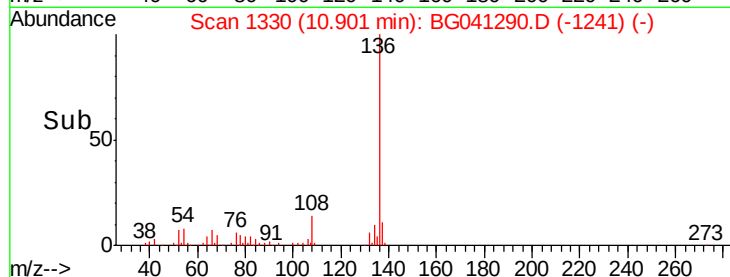
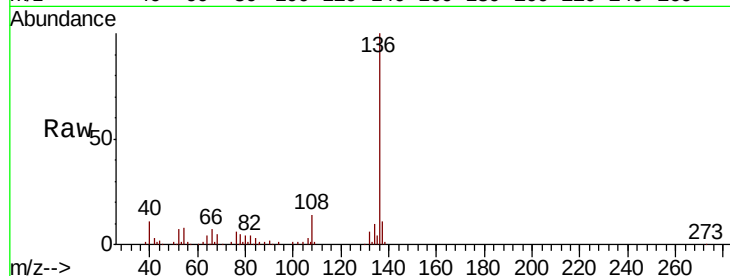
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 8.1 6.4 9.6

68 4.7 4.8 7.2#



#23

Nitrobenzene-d5

Concen: 95.403 ng

RT: 9.26 min Scan# 1051

Delta R.T. 0.00 min

Lab File: BG041290.D

Acq: 18 Jun 2019 3:17

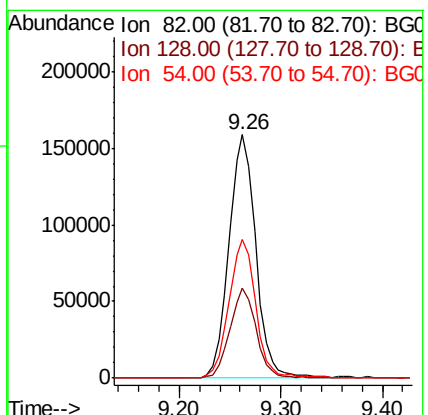
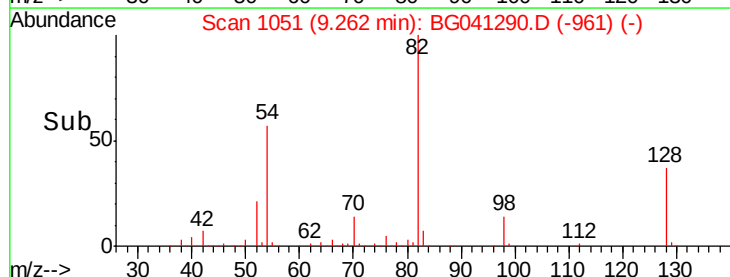
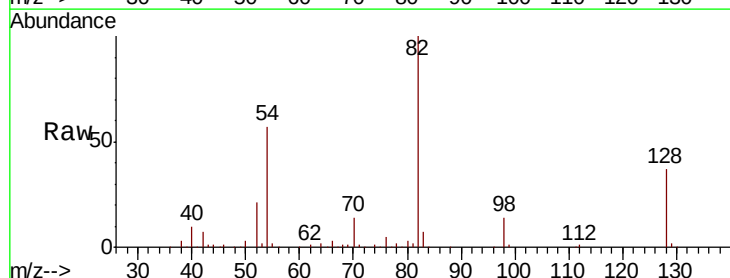
Tgt Ion: 82 Resp: 291907

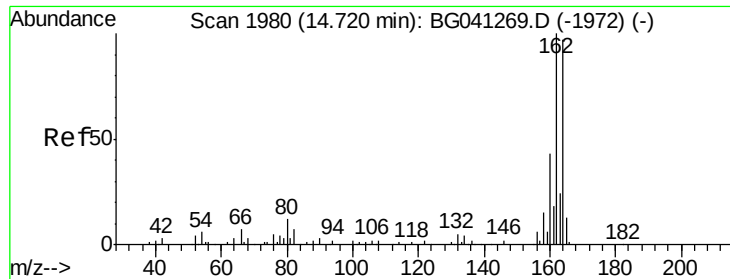
Ion Ratio Lower Upper

82 100

128 36.7 29.2 43.8

54 57.1 43.4 65.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.71 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BG041290.D

Acq: 18 Jun 2019 3:17

Instrument :

BNA_G

ClientSampleId :

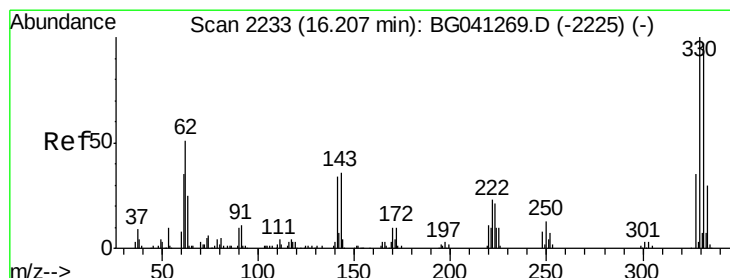
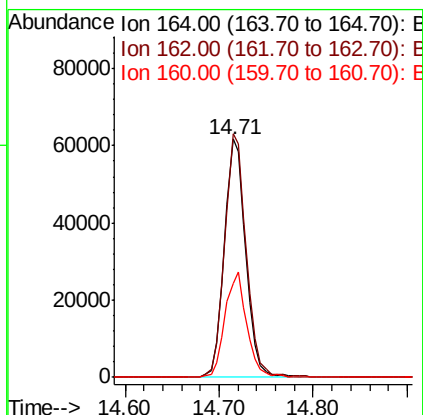
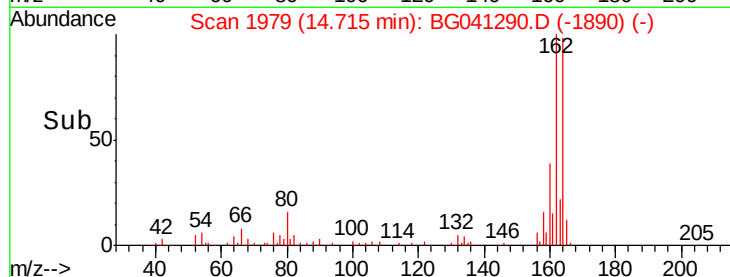
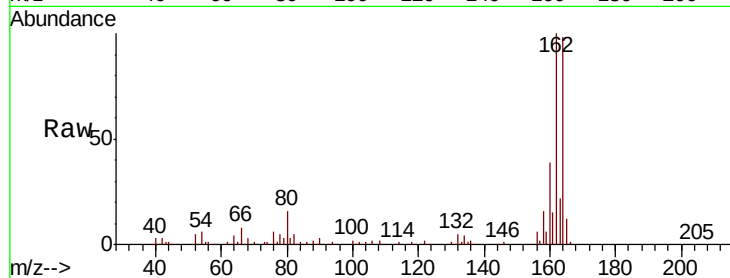
Tot Ion:164 Resp: 97408

Ion Ratio Lower Upper

164 100

162 102.3 82.8 124.2

160 39.6 35.8 53.8



#42

2,4,6-Tribromophenol

Concen: 141.382 ng

RT: 16.21 min Scan# 2233

Delta R.T. 0.00 min

Lab File: BG041290.D

Acq: 18 Jun 2019 3:17

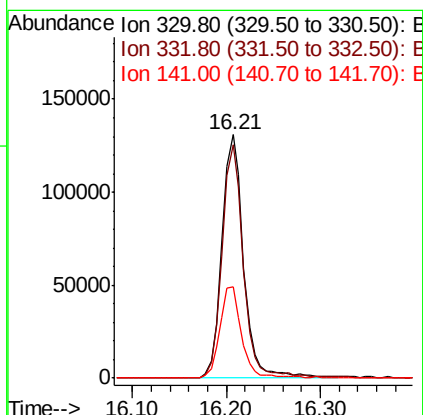
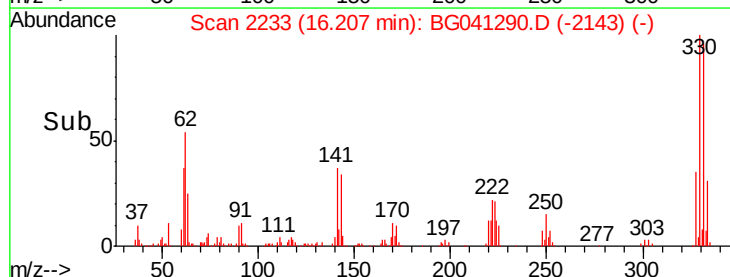
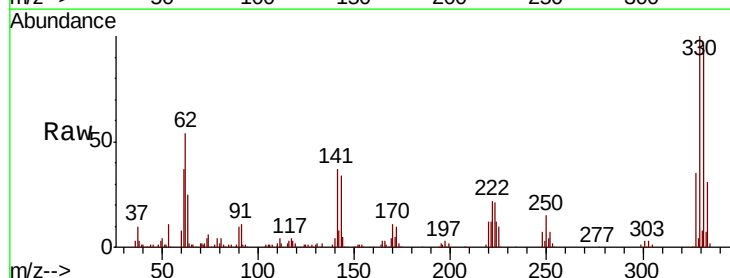
Tgt Ion:330 Resp: 211427

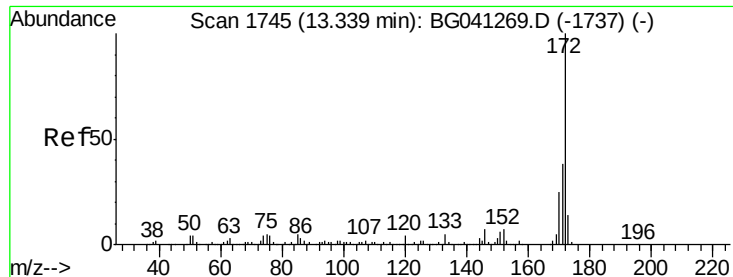
Ion Ratio Lower Upper

330 100

332 93.6 75.5 113.3

141 37.3 29.0 43.4

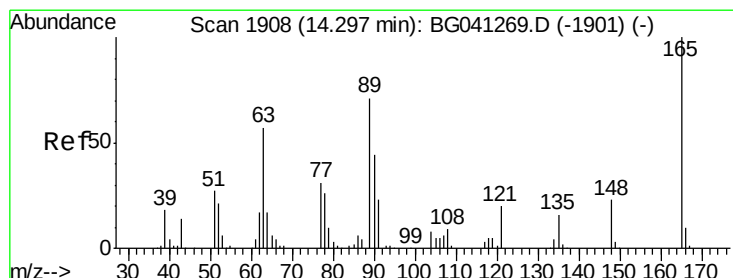
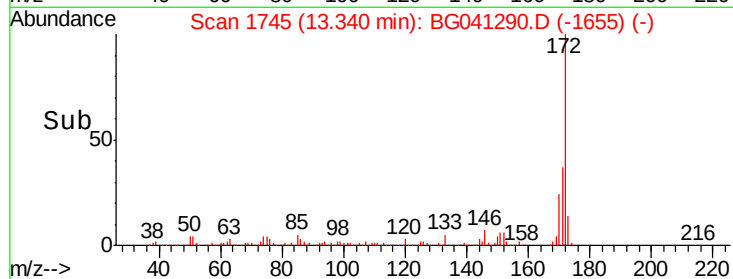
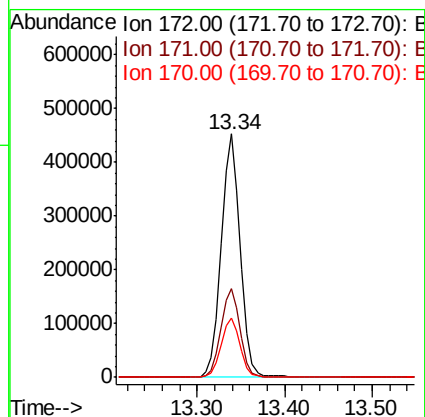
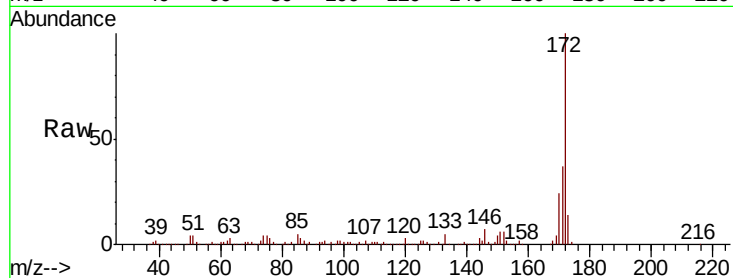




#45
 2-Fluorobiphenyl
 Concen: 94.971 ng
 RT: 13.34 min Scan# 1745
 Delta R.T. 0.00 min
 Lab File: BG041290.D
 Acq: 18 Jun 2019 3:17

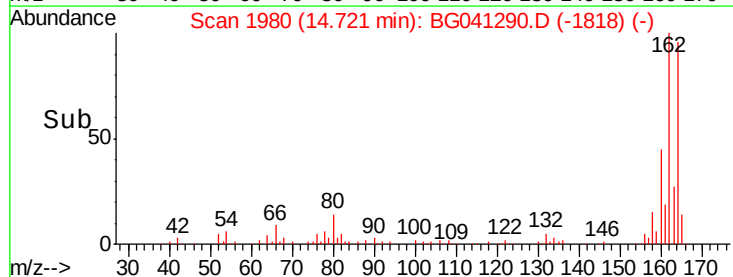
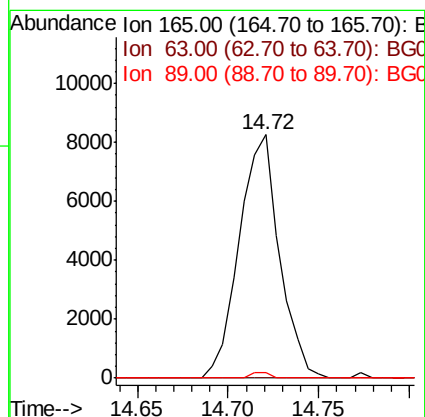
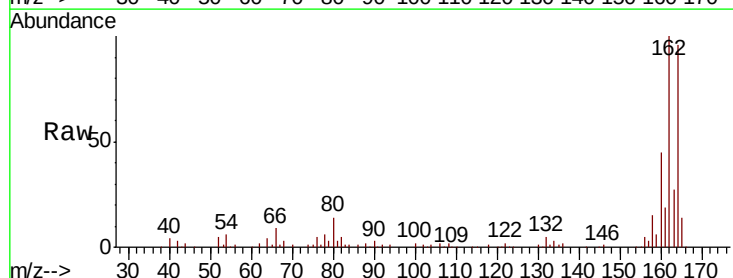
Instrument :
 BNA_G
 ClientSampleId :

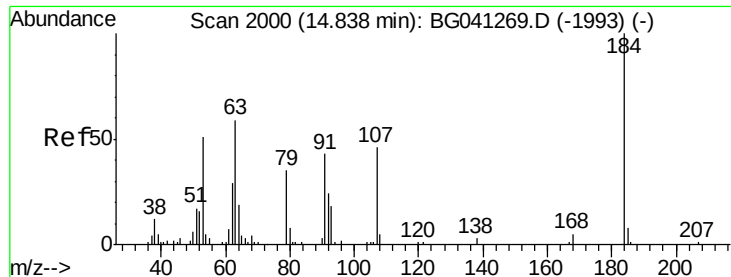
Tot Ion:172 Resp: 680638
 Ion Ratio Lower Upper
 172 100
 171 36.5 30.0 45.0
 170 24.5 19.8 29.6



#51
 2,6-Dinitrotoluene
 Concen: 6.954 ng
 RT: 14.72 min Scan# 1980
 Delta R.T. 0.42 min
 Lab File: BG041290.D
 Acq: 18 Jun 2019 3:17

Tgt Ion:165 Resp: 12708
 Ion Ratio Lower Upper
 165 100
 63 0.0 55.4 83.0#
 89 2.1 56.5 84.7#

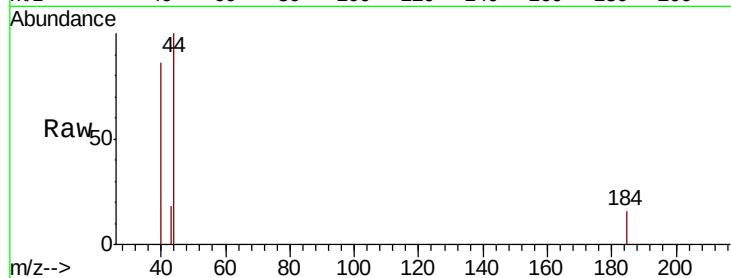




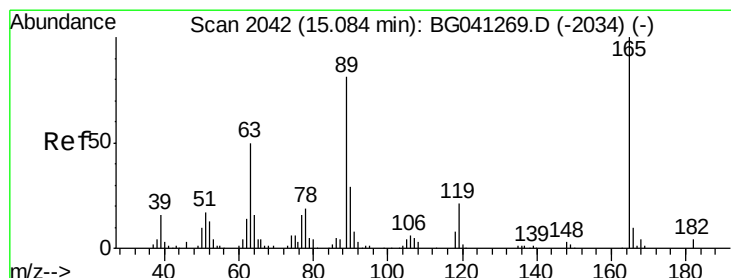
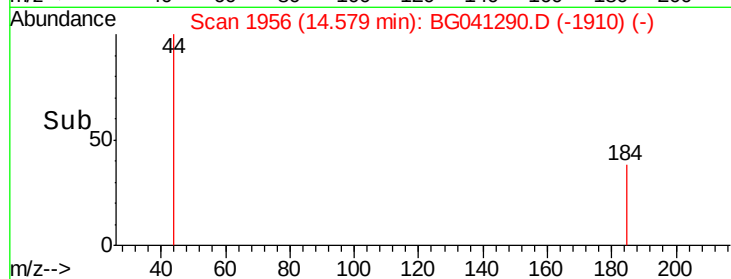
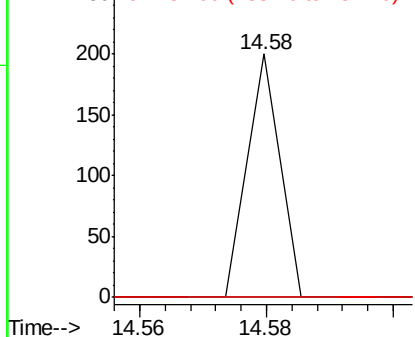
#54
2,4-Dinitrophenol
Concen: 4.897 ng
RT: 14.58 min Scan# 1956
Delta R.T. -0.26 min
Lab File: BG041290.D
Acq: 18 Jun 2019 3:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
184	100		
63	0.0	60.0	90.0#
154	0.0	58.3	87.5#

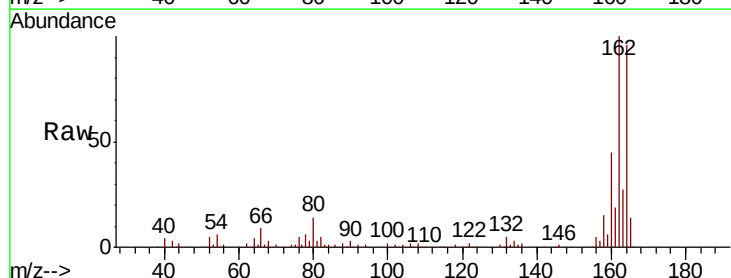


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

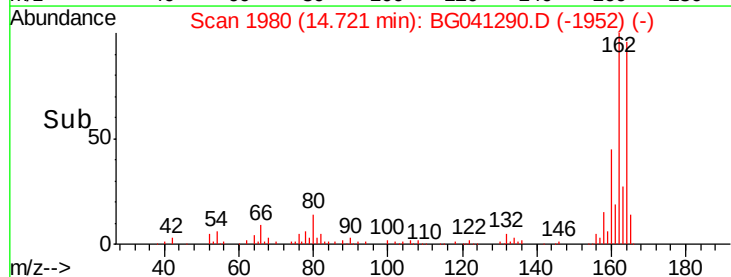
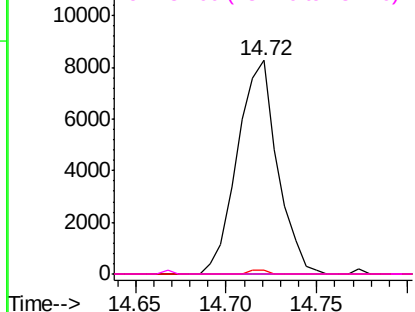


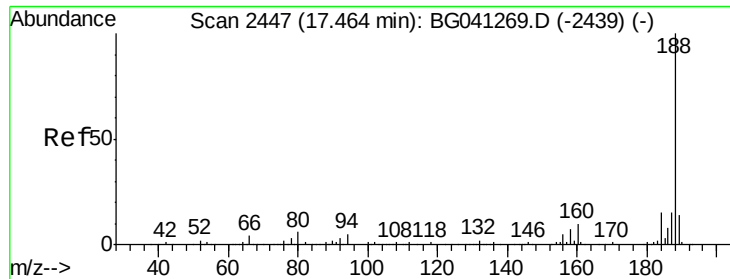
#57
2,4-Dinitrotoluene
Concen: 4.757 ng
RT: 14.72 min Scan# 1980
Delta R.T. -0.36 min
Lab File: BG041290.D
Acq: 18 Jun 2019 3:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.0	60.0#
89	2.1	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: 17.46 min Scan# 2447

Delta R.T. 0.00 min

Lab File: BG041290.D

Acq: 18 Jun 2019 3:17

Instrument :

BNA_G

ClientSampleId :

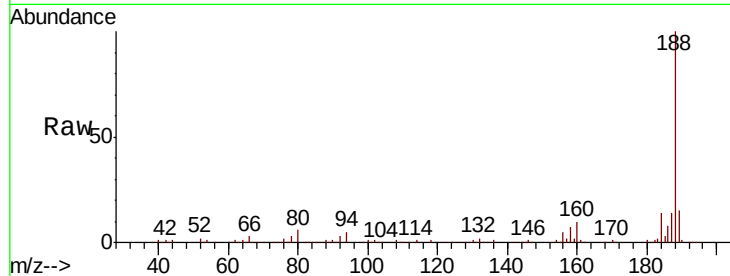
Tot Ion:188 Resp: 245990

Ion Ratio Lower Upper

188 100

94 4.8 3.6 5.4

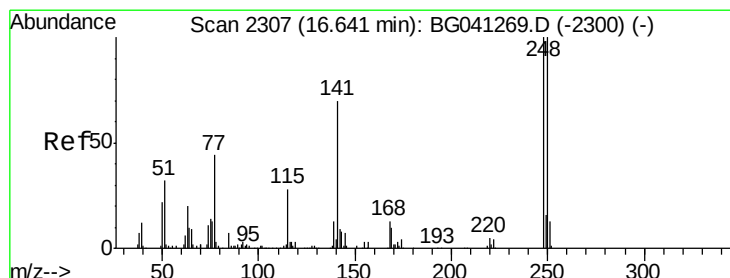
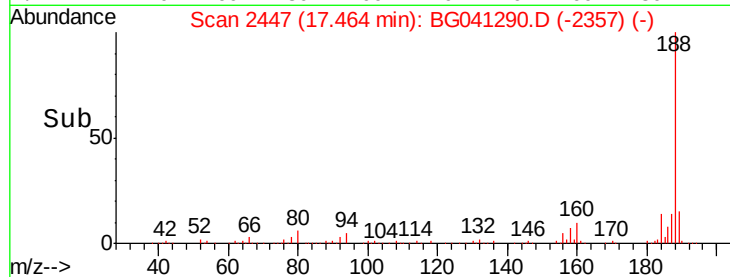
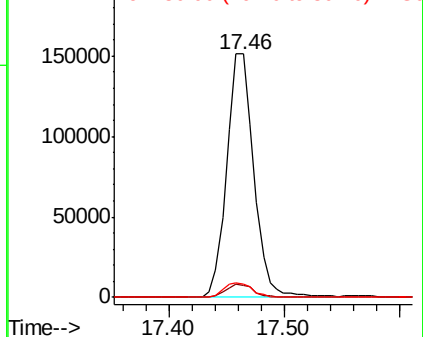
80 5.7 4.8 7.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.995 ng

RT: 16.21 min Scan# 2233

Delta R.T. -0.43 min

Lab File: BG041290.D

Acq: 18 Jun 2019 3:17

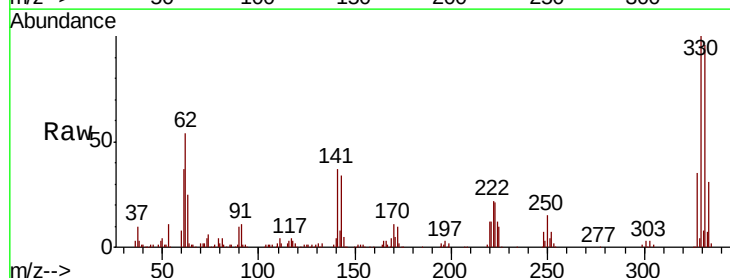
Tgt Ion:248 Resp: 15887

Ion Ratio Lower Upper

248 100

250 209.0 79.8 119.8#

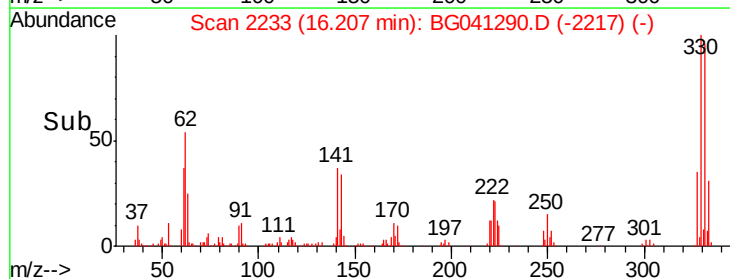
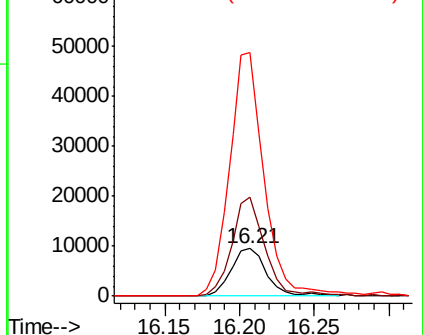
141 513.7 55.8 83.6#

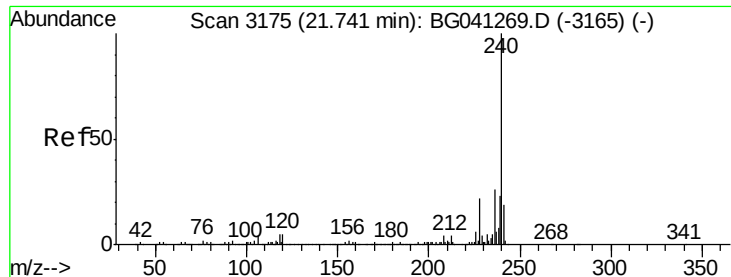


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.74 min Scan# 3174

Delta R.T. -0.01 min

Lab File: BG041290.D

Acq: 18 Jun 2019 3:17

Instrument :

BNA_G

ClientSampleId :

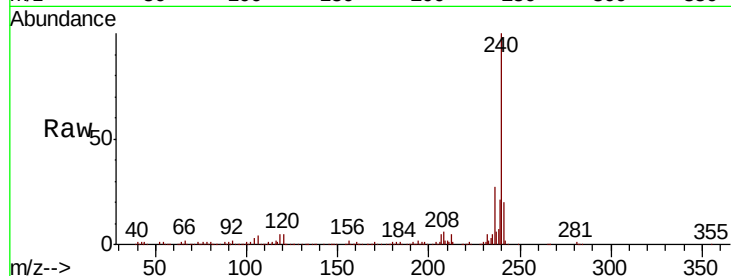
Tot Ion:240 Resp: 263205

Ion Ratio Lower Upper

240 100

120 5.1 3.7 5.5

236 27.5 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

200000

150000

100000

50000

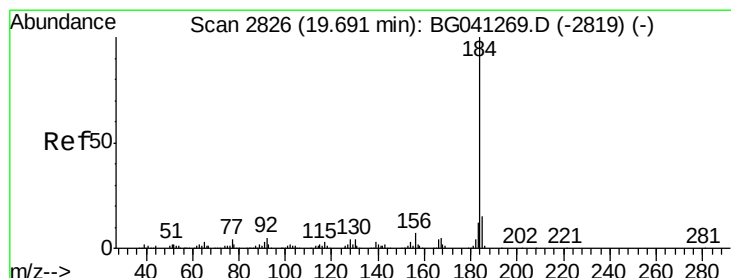
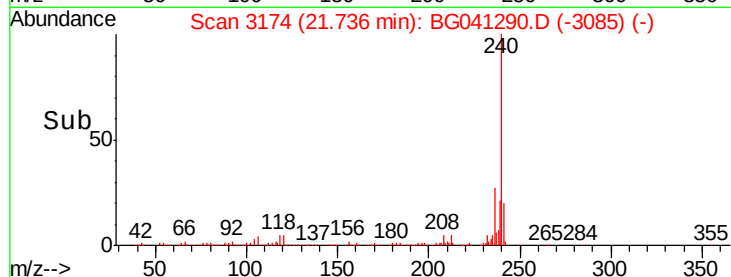
0

21.74

21.80

21.90

Time-->



#77

Benzidine

Concen: 3.656 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.37 min

Lab File: BG041290.D

Acq: 18 Jun 2019 3:17

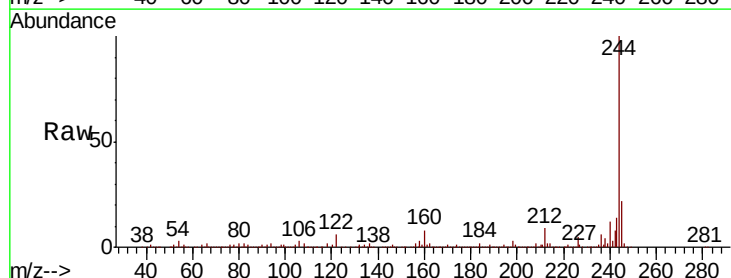
Tgt Ion:184 Resp: 23278

Ion Ratio Lower Upper

184 100

185 15.7 12.2 18.2

183 8.6 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

25000

20000

15000

10000

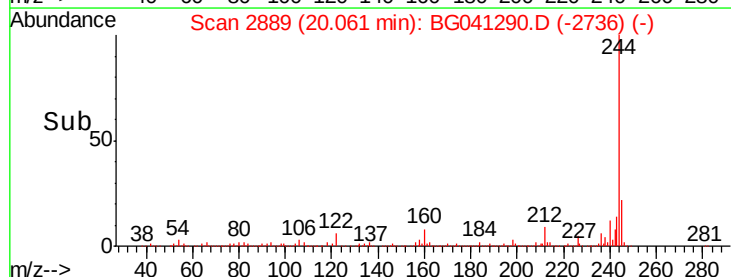
5000

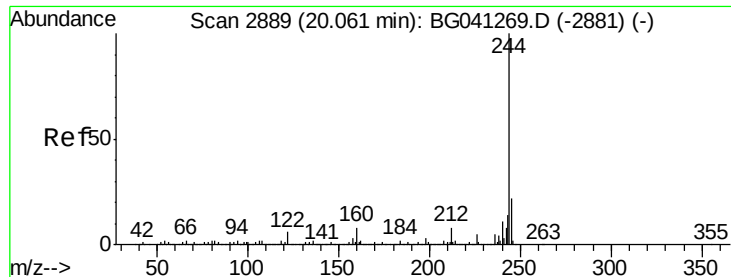
0

20.06

20.10

Time-->





#79

Terphenyl-d14

Concen: 97.614 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.00 min

Lab File: BG041290.D

Acq: 18 Jun 2019 3:17

Instrument :

BNA_G

ClientSampleId :

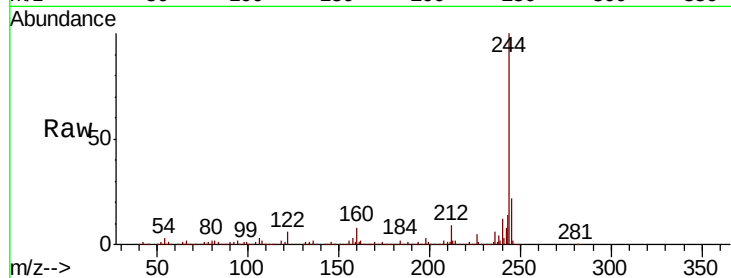
Tot Ion:244 Resp: 1296427

Ion Ratio Lower Upper

244 100

212 8.8 6.6 10.0

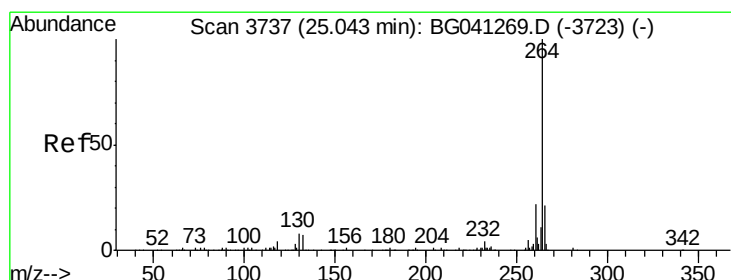
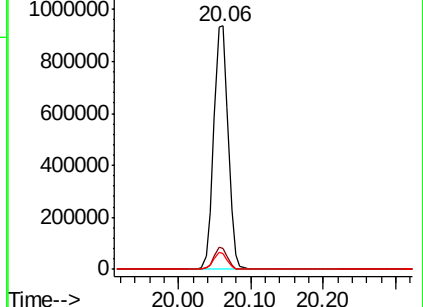
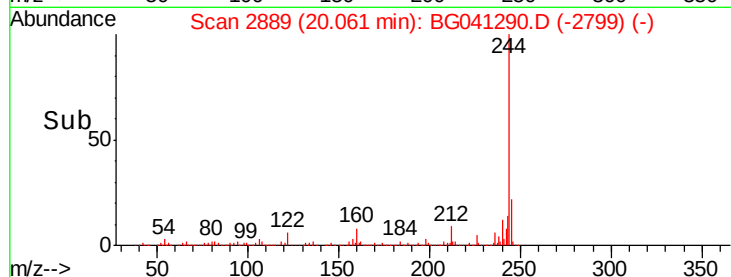
122 6.3 5.0 7.4



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: 25.04 min Scan# 3737

Delta R.T. 0.00 min

Lab File: BG041290.D

Acq: 18 Jun 2019 3:17

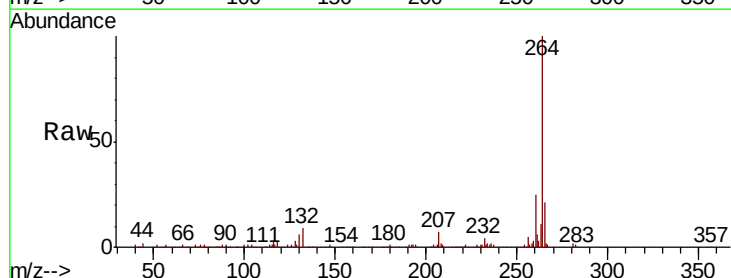
Tgt Ion:264 Resp: 269539

Ion Ratio Lower Upper

264 100

260 25.5 17.4 26.2

265 21.3 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

