

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061719\
 Data File : BG041291.D
 Acq On : 18 Jun 2019 3:55
 Operator : HP/JU
 Sample : K3154-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 18 07:47:50 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

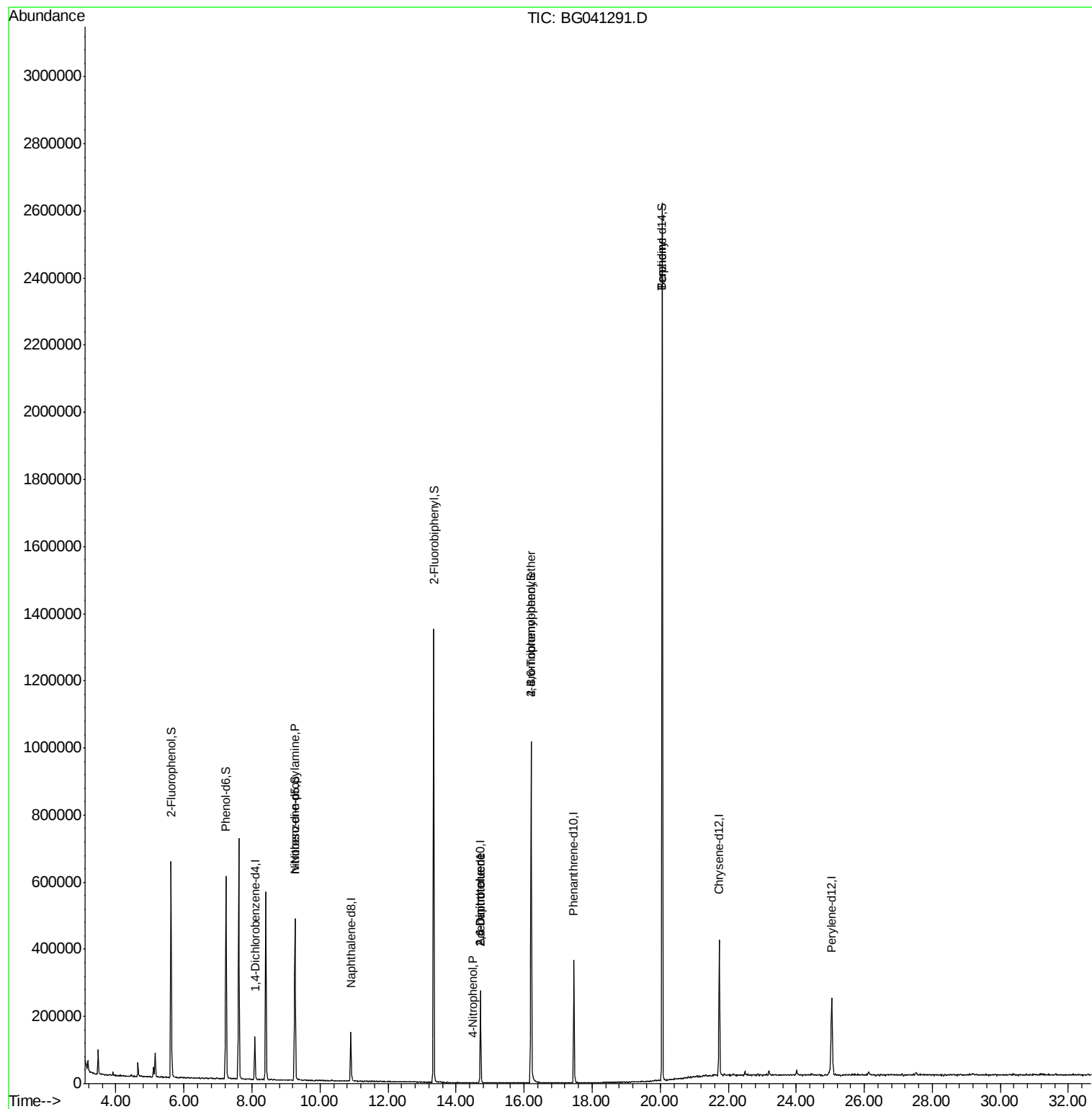
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	33883	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	129190	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	95133	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	242084	20.00	ng	0.00
76) Chrysene-d12	21.74	240	250319	20.00	ng	0.00
87) Perylene-d12	25.04	264	259664	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	240081	130.19	ng	0.00
7) Phenol-d6	7.24	99	307258	114.95	ng	0.00
23) Nitrobenzene-d5	9.26	82	288420	93.89	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	202454	138.62	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	666093	95.16	ng	0.00
79) Terphenyl-d14	20.06	244	1235772	97.84	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.26	70	41173	19.045	ng	# 78
51) 2,6-Dinitrotoluene	14.72	165	12248	6.862	ng	# 16
56) 4-Nitrophenol	14.49	139	68	3.264	ng	# 1
57) 2,4-Dinitrotoluene	14.72	165	12248	4.695	ng	# 20
67) 4-Bromophenyl-phenylether	16.21	248	15272	4.879	ng	# 1
77) Benzidine	20.06	184	22492	3.715	ng	# 95

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

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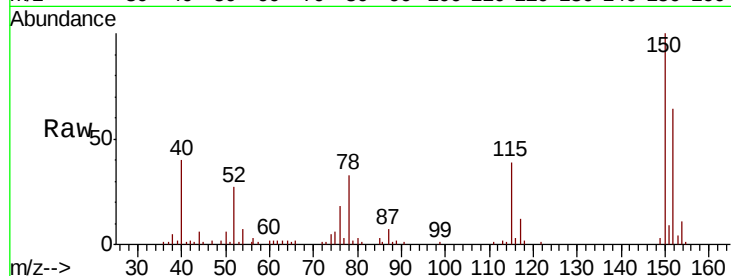


#1

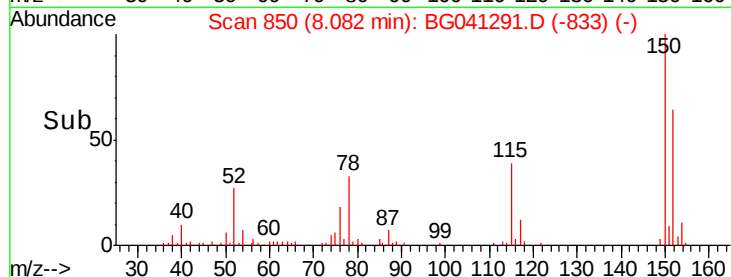
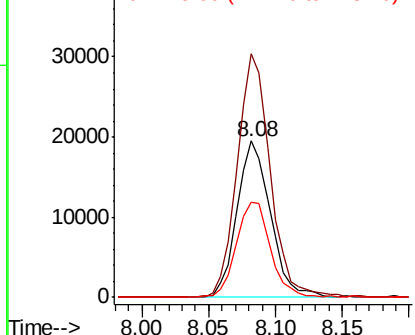
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 850
Delta R.T. 0.00 min
Lab File: BG041291.D
Acq: 18 Jun 2019 3:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 33883
Ion Ratio Lower Upper
152 100
150 156.1 120.6 181.0
115 60.9 47.9 71.9



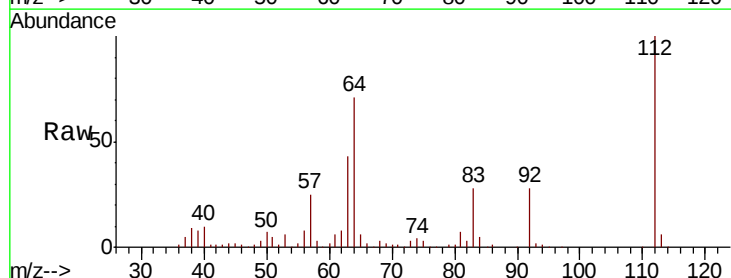
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



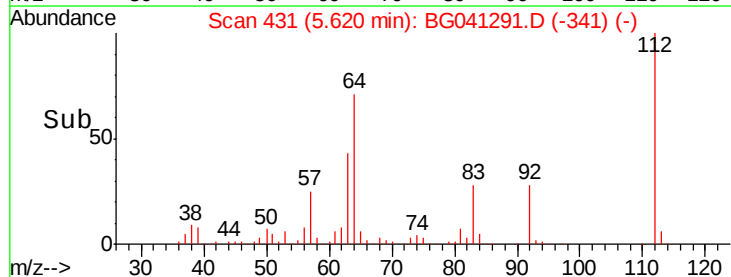
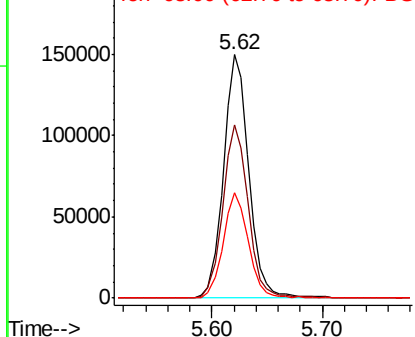
#5

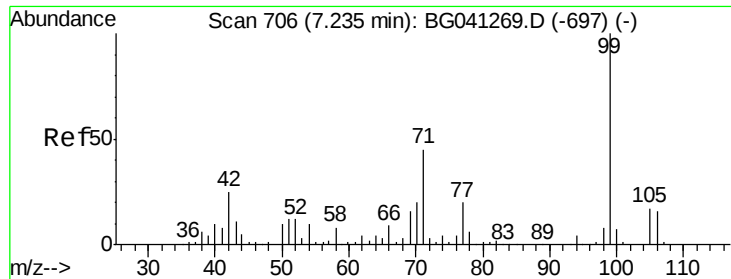
2-Fluorophenol
Concen: 130.192 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG041291.D
Acq: 18 Jun 2019 3:55

Tgt Ion:112 Resp: 240081
Ion Ratio Lower Upper
112 100
64 71.1 55.9 83.9
63 43.4 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: 114.950 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG041291.D

Acq: 18 Jun 2019 3:55

Instrument :

BNA_G

ClientSampled :

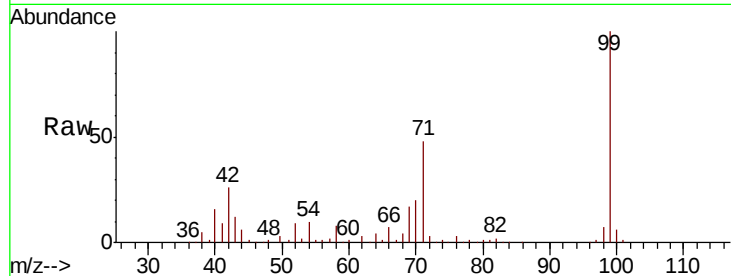
Tot Ion: 99 Resp: 307258

Ion Ratio Lower Upper

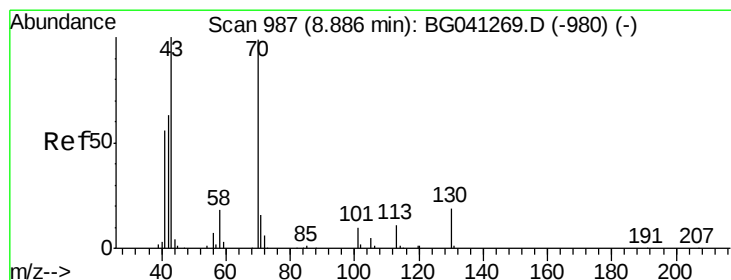
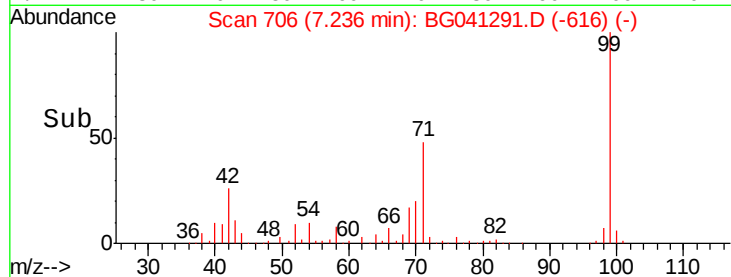
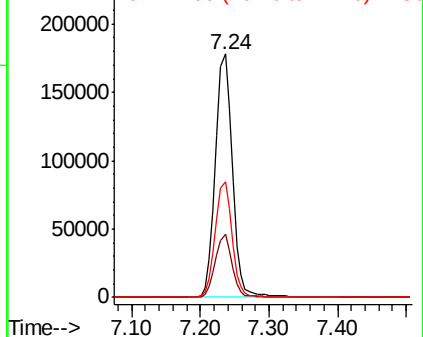
99 100

42 26.1 19.9 29.9

71 47.7 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: 19.045 ng

RT: 9.26 min Scan# 1051

Delta R.T. 0.38 min

Lab File: BG041291.D

Acq: 18 Jun 2019 3:55

Tgt Ion: 70 Resp: 41173

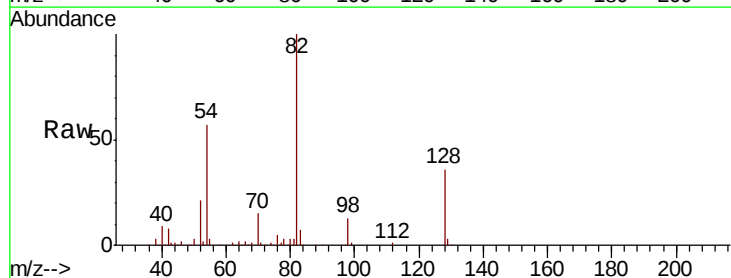
Ion Ratio Lower Upper

70 100

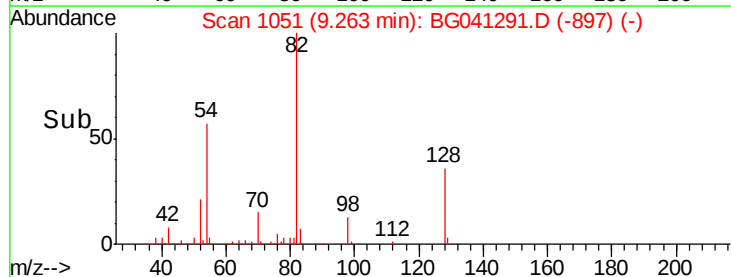
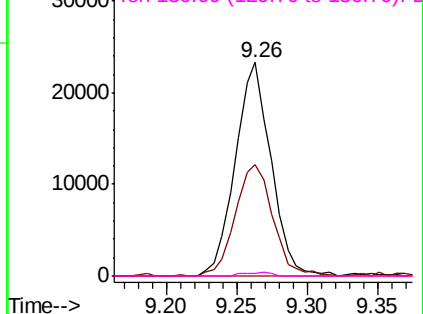
42 52.2 51.4 77.2

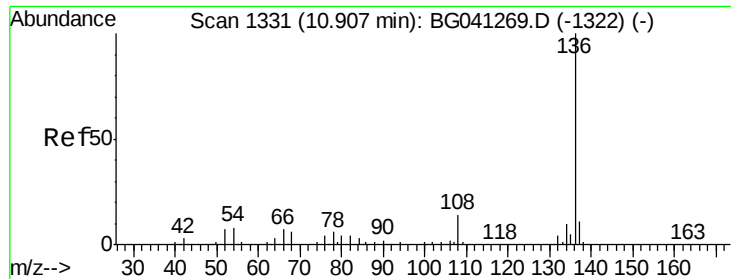
101 0.0 8.2 12.2#

130 1.1 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

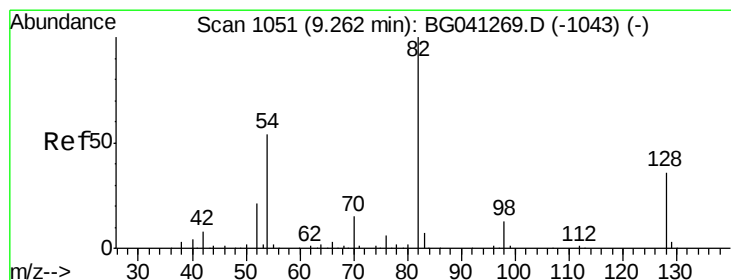
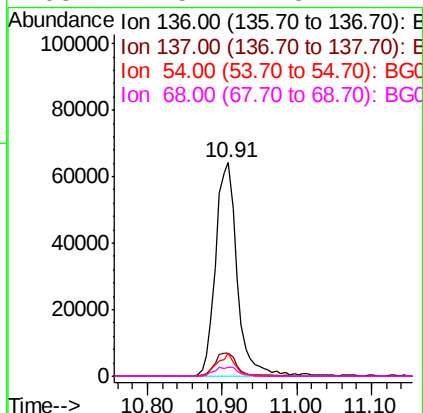
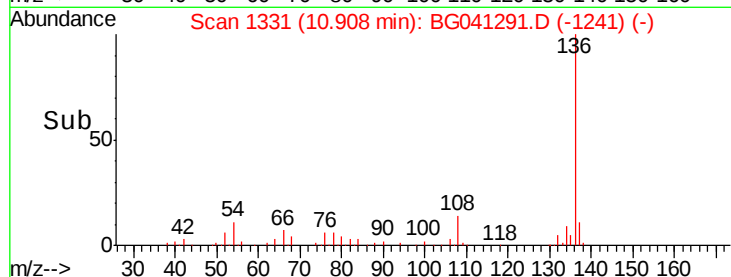
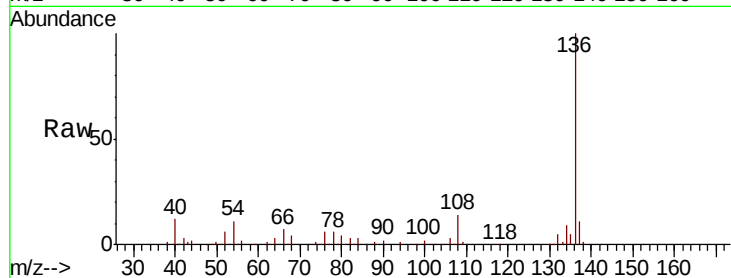




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BG041291.D
Acq: 18 Jun 2019 3:55

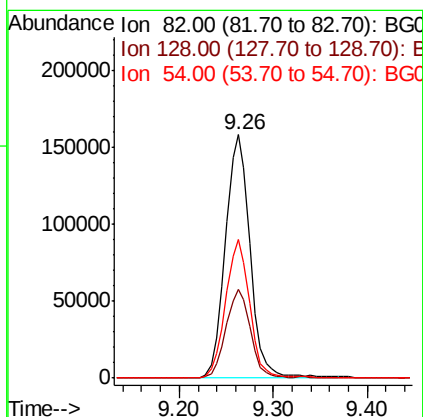
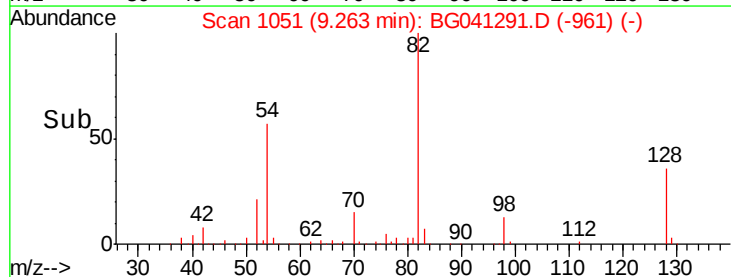
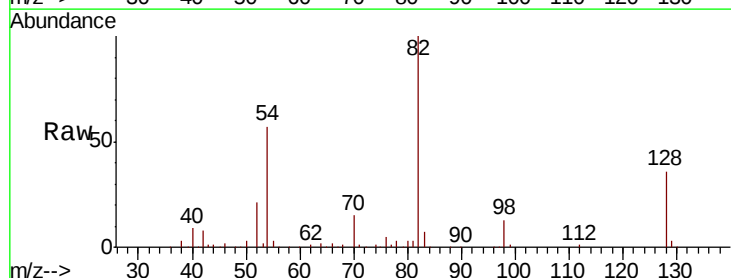
Instrument :
BNA_G
ClientSampleId :

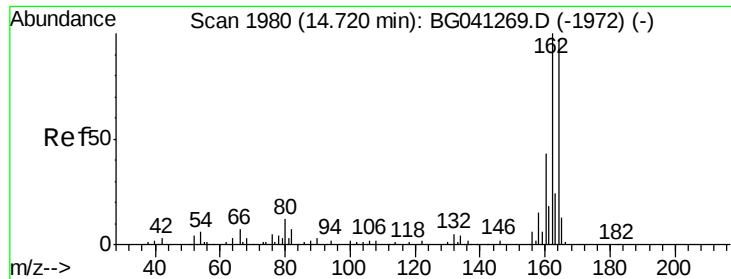
Tot Ion:	136	Resp:	129190
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	10.6	6.4	9.6#
68	4.5	4.8	7.2#



#23
Nitrobenzene-d5
Concen: 93.892 ng
RT: 9.26 min Scan# 1051
Delta R.T. 0.00 min
Lab File: BG041291.D
Acq: 18 Jun 2019 3:55

Tgt Ion:	82	Resp:	288420
Ion	Ratio	Lower	Upper
82	100		
128	36.4	29.2	43.8
54	56.7	43.4	65.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BG041291.D

Acq: 18 Jun 2019 3:55

Instrument :

BNA_G

ClientSampleId :

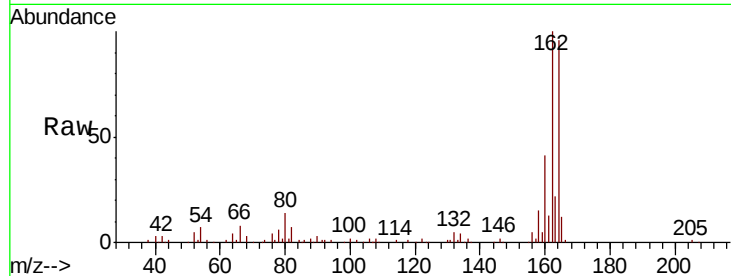
Tot Ion:164 Resp: 95133

Ion Ratio Lower Upper

164 100

162 104.6 82.8 124.2

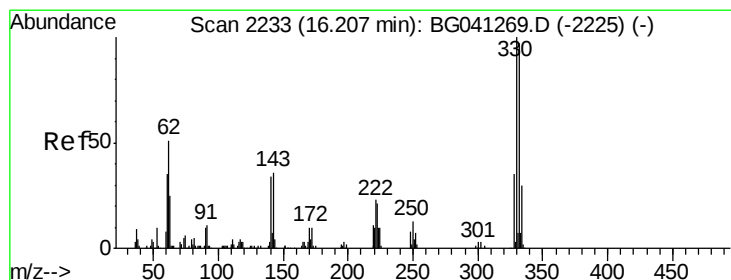
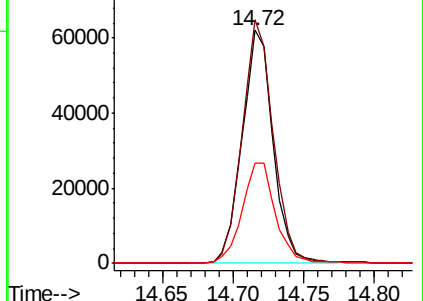
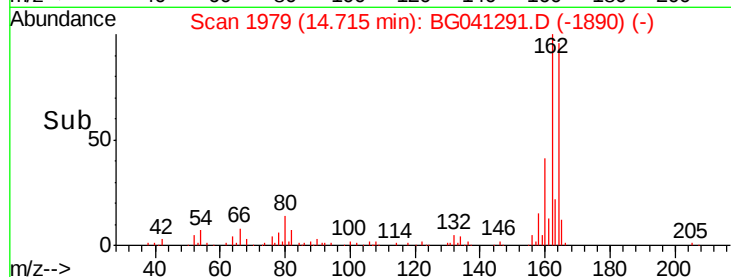
160 42.9 35.8 53.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 138.619 ng

RT: 16.21 min Scan# 2233

Delta R.T. 0.00 min

Lab File: BG041291.D

Acq: 18 Jun 2019 3:55

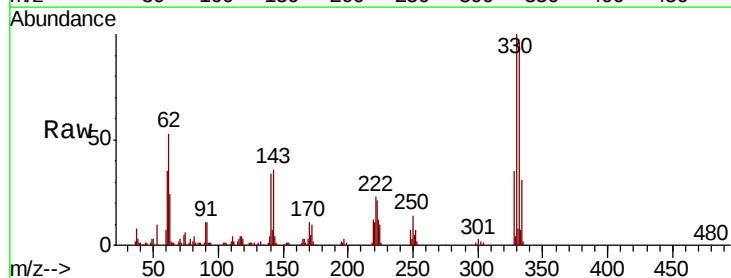
Tgt Ion:330 Resp: 202454

Ion Ratio Lower Upper

330 100

332 97.3 75.5 113.3

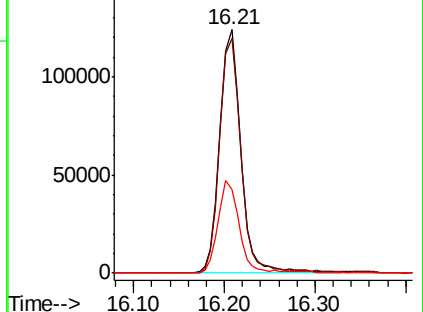
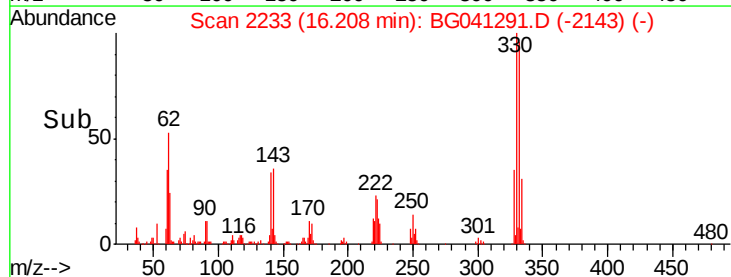
141 37.3 29.0 43.4

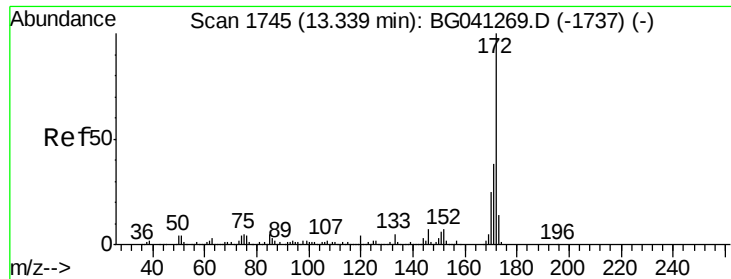


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

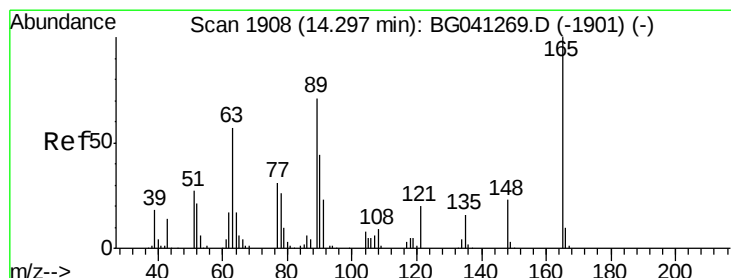
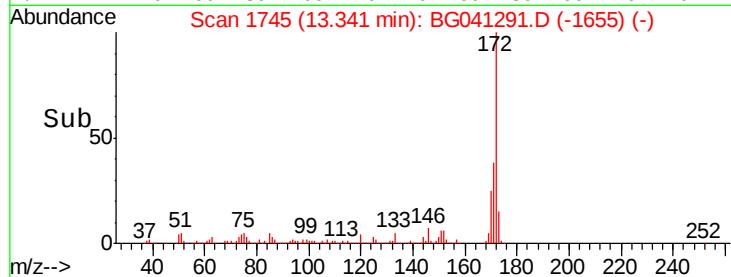
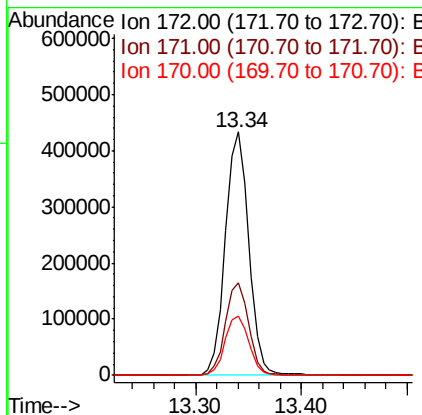
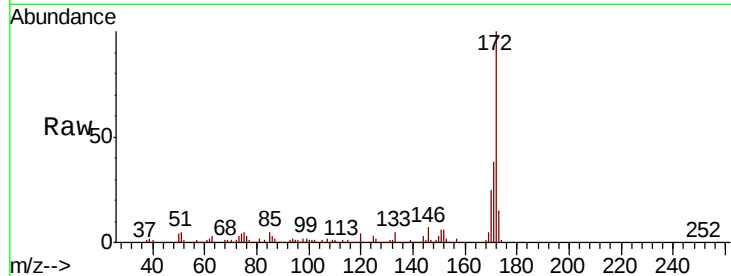




#45
 2-Fluorobiphenyl
 Concen: 95.164 ng
 RT: 13.34 min Scan# 1745
 Delta R.T. 0.00 min
 Lab File: BG041291.D
 Acq: 18 Jun 2019 3:55

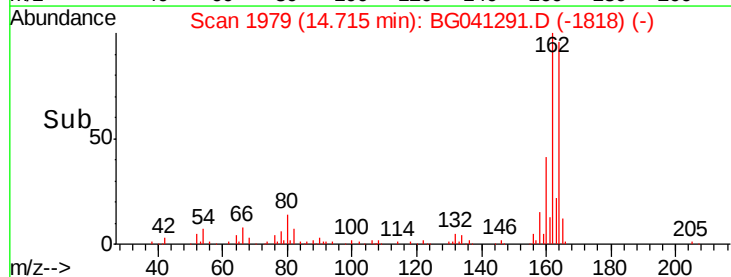
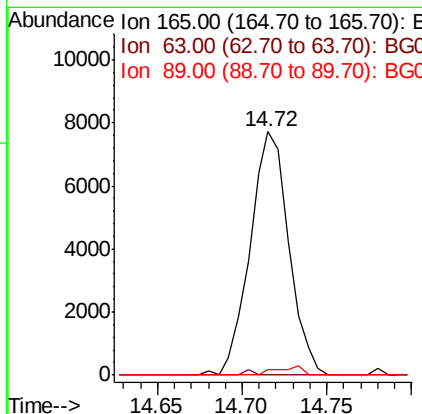
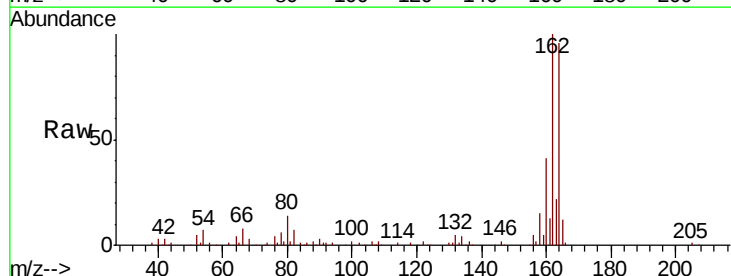
Instrument :
 BNA_G
 ClientSampled :

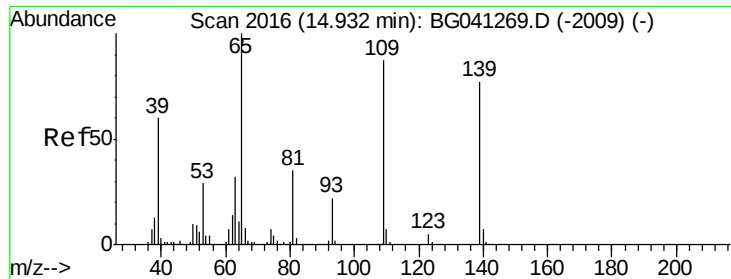
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.0	30.0	45.0
170	24.5	19.8	29.6



#51
 2,6-Dinitrotoluene
 Concen: 6.862 ng
 RT: 14.72 min Scan# 1979
 Delta R.T. 0.42 min
 Lab File: BG041291.D
 Acq: 18 Jun 2019 3:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	55.4	83.0#
89	2.4	56.5	84.7#

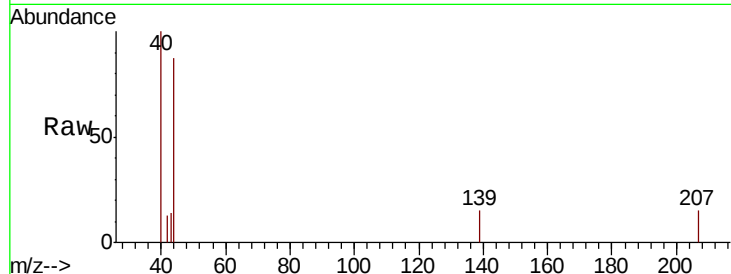




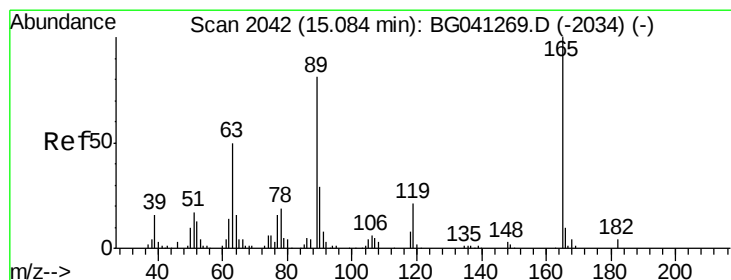
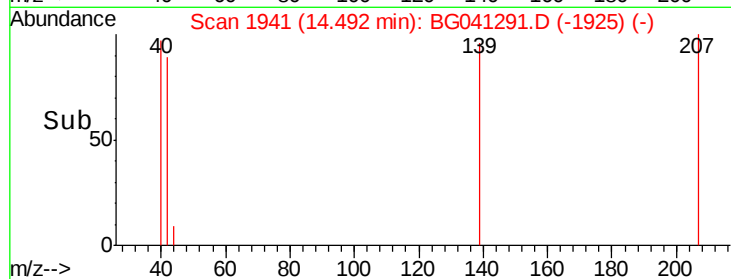
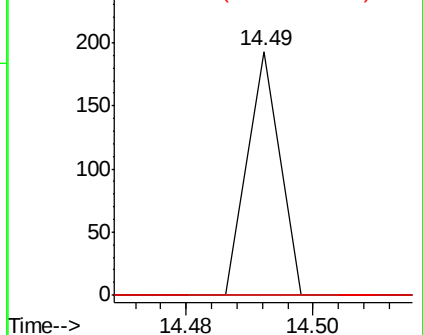
#56
4-Nitrophenol
Concen: 3.264 ng
RT: 14.49 min Scan# 1941
Delta R.T. -0.44 min
Lab File: BG041291.D
Acq: 18 Jun 2019 3:55

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	93.2	133.2#
65	0.0	110.2	150.2#



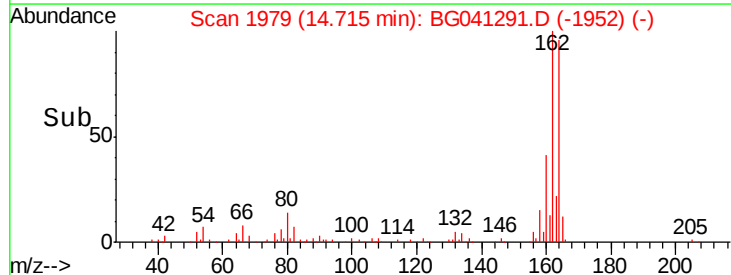
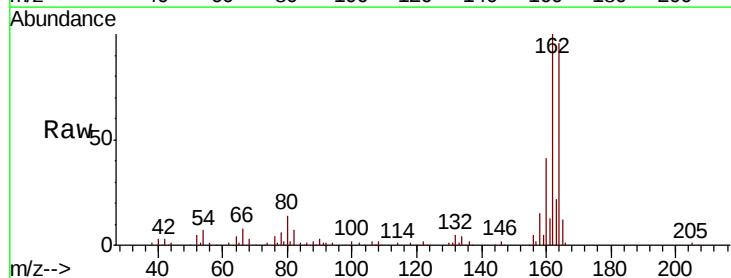
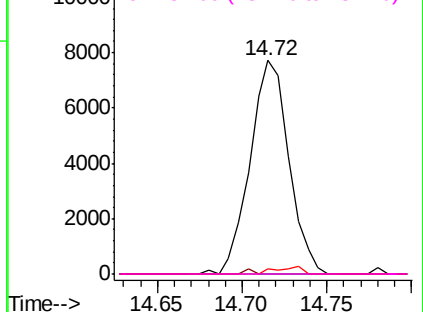
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

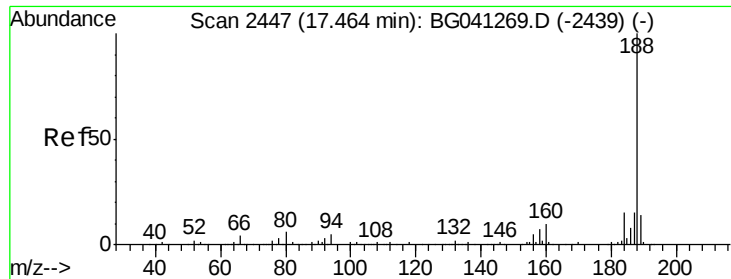


#57
2,4-Dinitrotoluene
Concen: 4.695 ng
RT: 14.72 min Scan# 1979
Delta R.T. -0.37 min
Lab File: BG041291.D
Acq: 18 Jun 2019 3:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.0	60.0#
89	2.4	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# 2446

Delta R.T. -0.00 min

Lab File: BG041291.D

Acq: 18 Jun 2019 3:55

Instrument :

BNA_G

ClientSampleId :

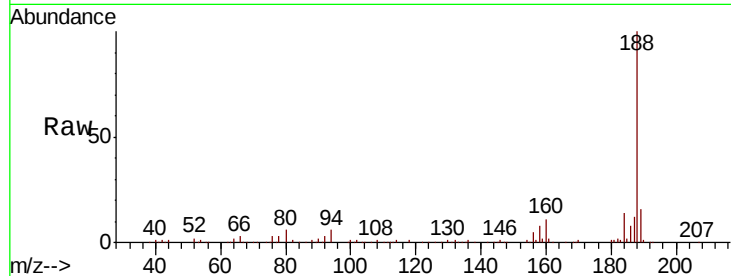
Tot Ion:188 Resp: 242084

Ion Ratio Lower Upper

188 100

94 5.7 3.6 5.4#

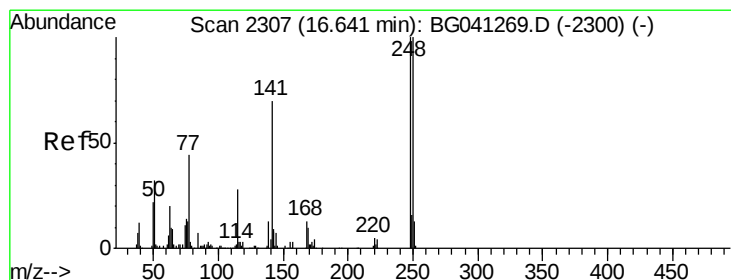
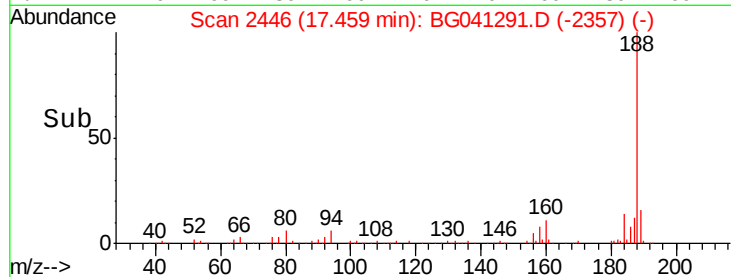
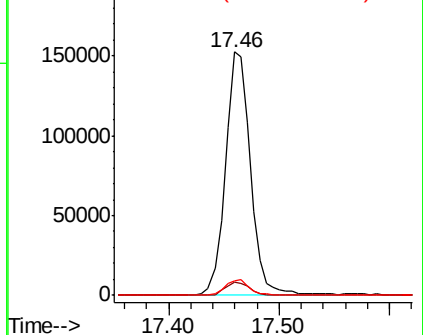
80 6.2 4.8 7.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.879 ng

RT: 16.21 min Scan# 2233

Delta R.T. -0.43 min

Lab File: BG041291.D

Acq: 18 Jun 2019 3:55

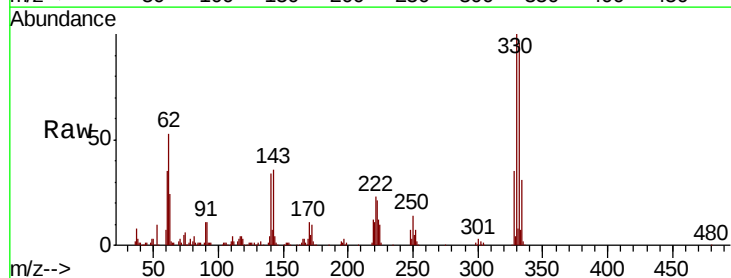
Tgt Ion:248 Resp: 15272

Ion Ratio Lower Upper

248 100

250 192.3 79.8 119.8#

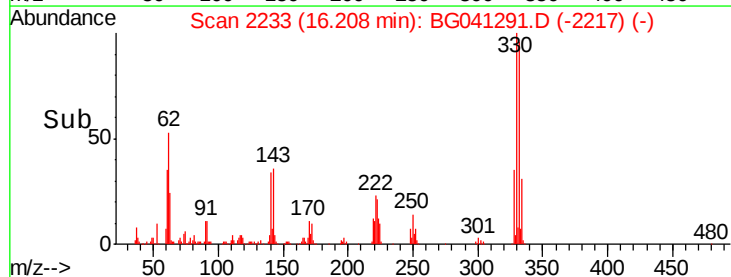
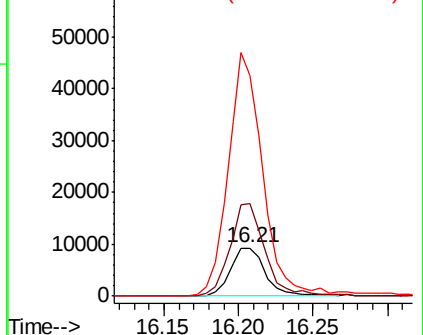
141 460.3 55.8 83.6#

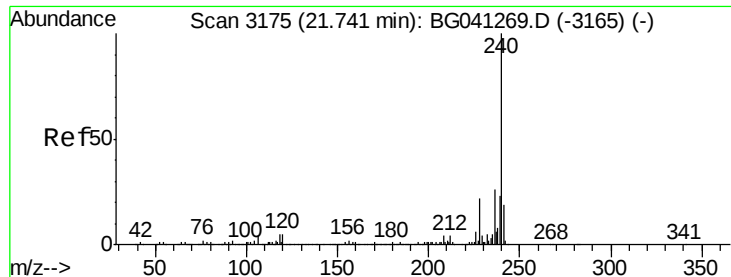


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.00 min

Lab File: BG041291.D

Acq: 18 Jun 2019 3:55

Instrument :

BNA_G

ClientSampleId :

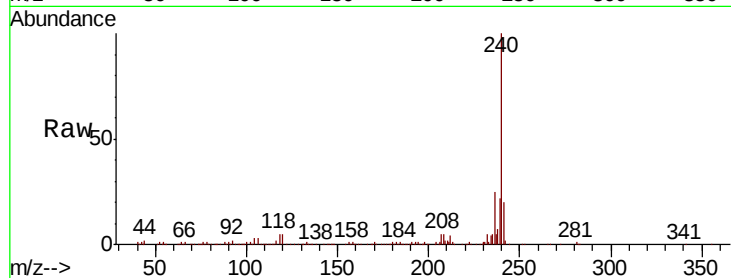
Tot Ion:240 Resp: 250319

Ion Ratio Lower Upper

240 100

120 5.3 3.7 5.5

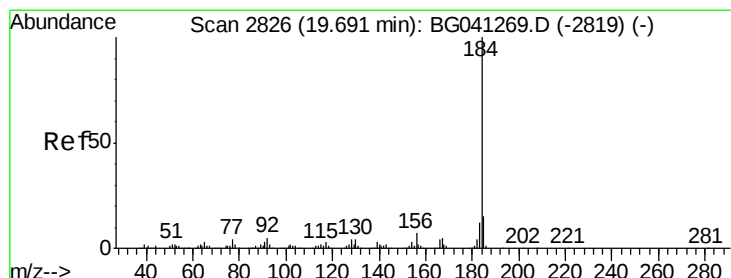
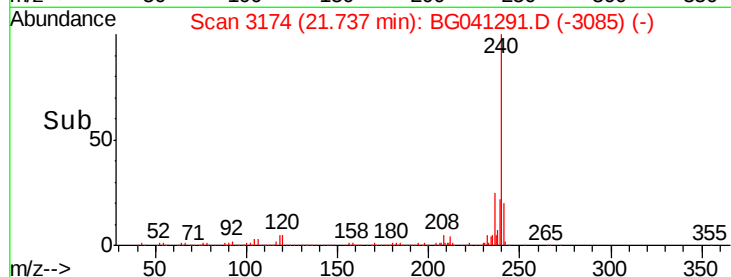
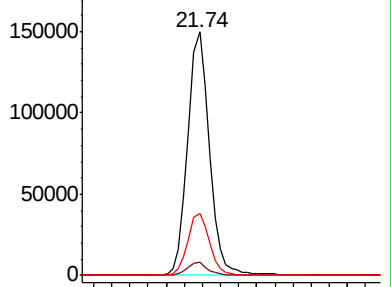
236 25.2 21.1 31.7



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: 3.715 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.37 min

Lab File: BG041291.D

Acq: 18 Jun 2019 3:55

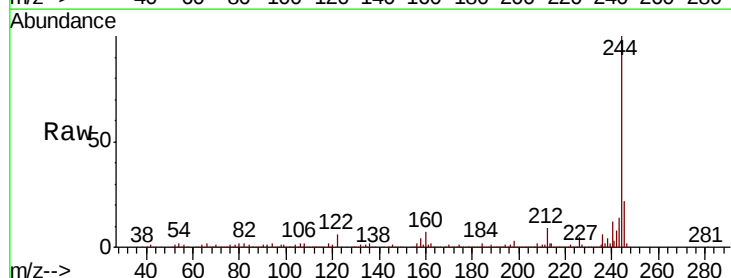
Tgt Ion:184 Resp: 22492

Ion Ratio Lower Upper

184 100

185 14.9 12.2 18.2

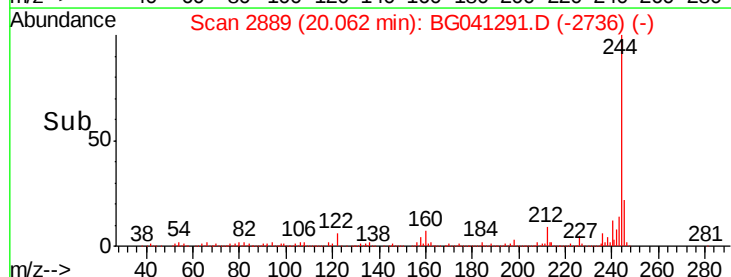
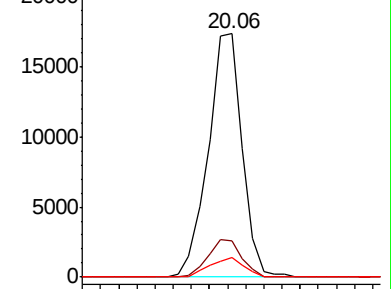
183 8.3 9.6 14.4#

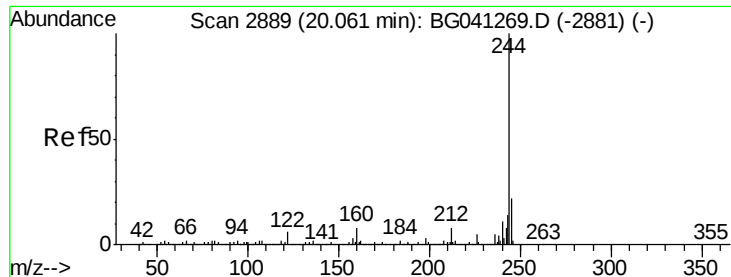


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 97.837 ng

RT: 20.06 min Scan# 2888

Delta R.T. -0.00 min

Lab File: BG041291.D

Acq: 18 Jun 2019 3:55

Instrument :

BNA_G

ClientSampleId :

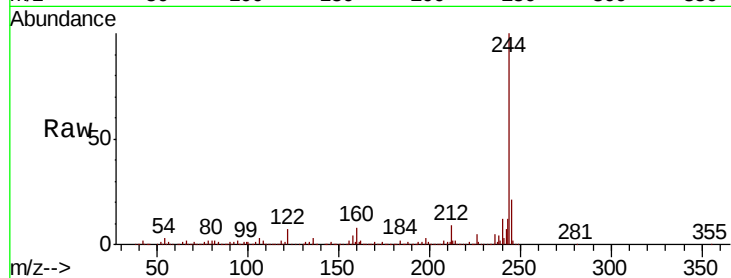
Tot Ion:244 Resp: 1235772

Ion Ratio Lower Upper

244 100

212 8.6 6.6 10.0

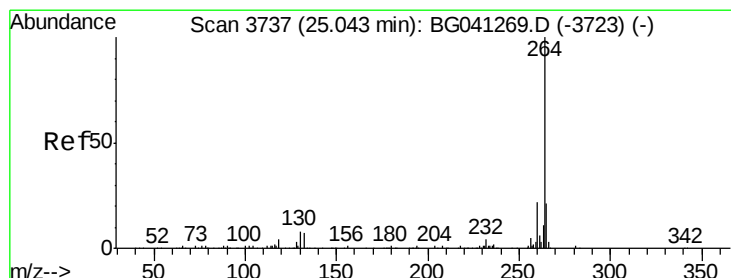
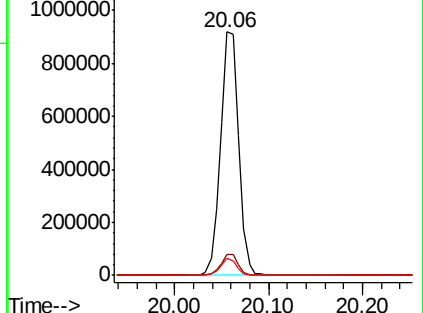
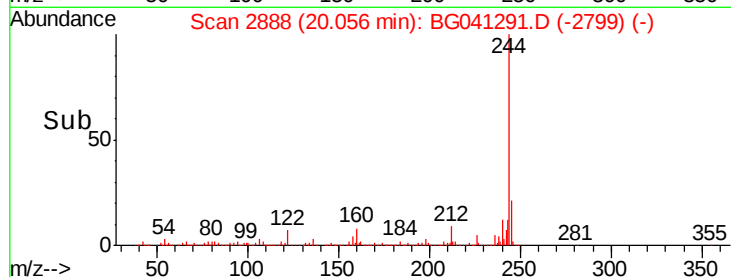
122 7.0 5.0 7.4



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

Perylene-d12

Concen: 20.000 ng

RT: 25.04 min Scan# 3737

Delta R.T. 0.00 min

Lab File: BG041291.D

Acq: 18 Jun 2019 3:55

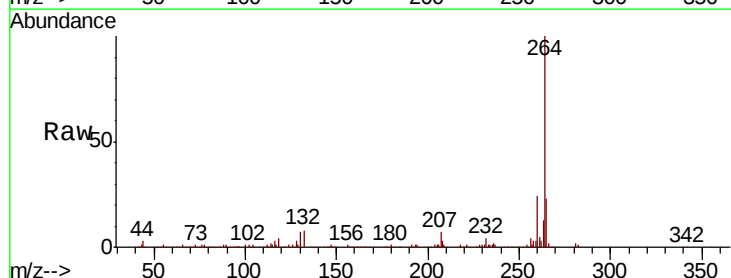
Tgt Ion:264 Resp: 259664

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.2

265 23.3 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

