

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061719\
 Data File : BG041287.D
 Acq On : 18 Jun 2019 1:23
 Operator : HP/JU
 Sample : K3366-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 18 07:46:57 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

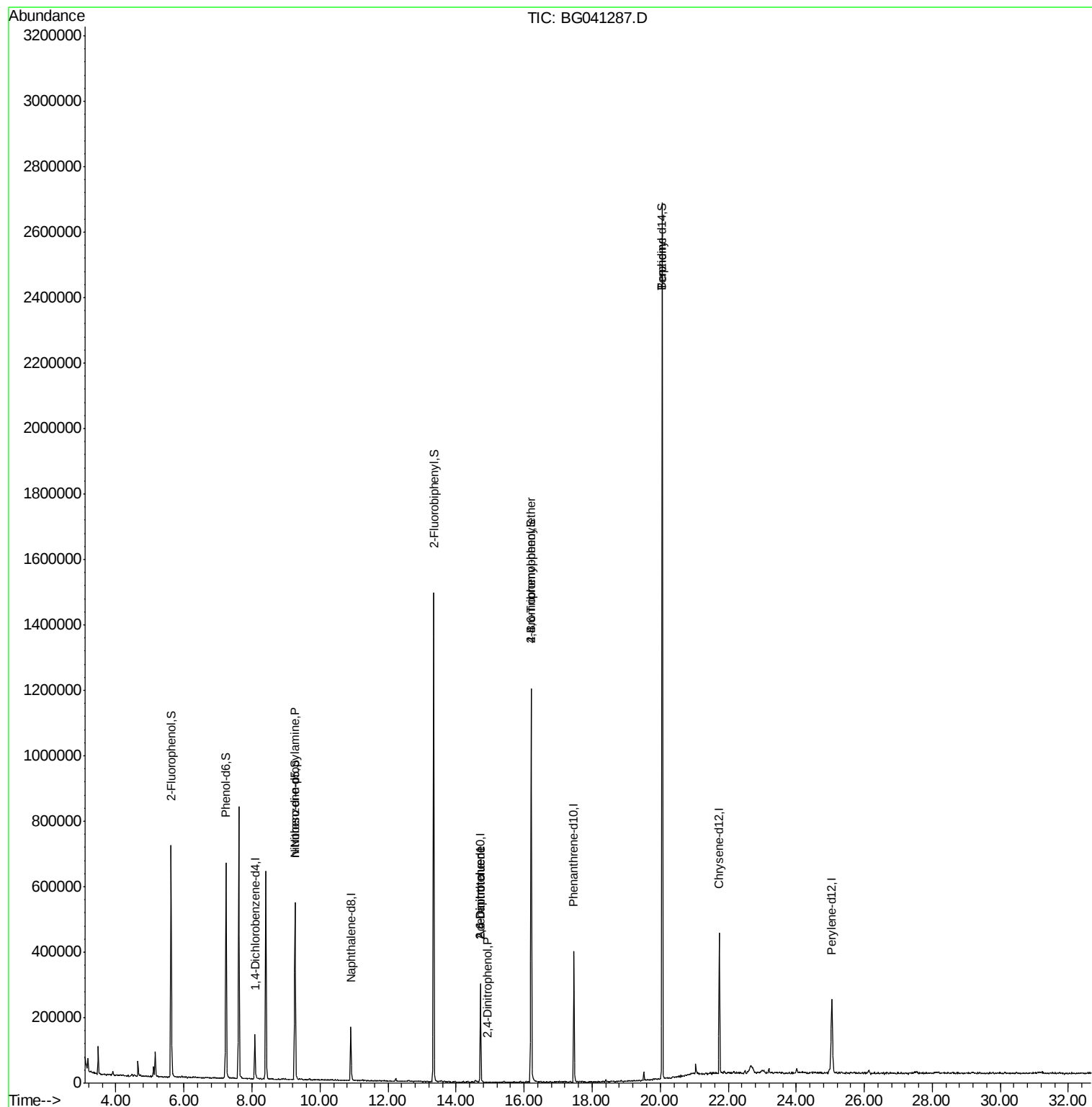
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	36513	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	140891	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	104367	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	254386	20.00	ng	0.00
76) Chrysene-d12	21.74	240	259086	20.00	ng	0.00
87) Perylene-d12	25.05	264	275184	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	263417	132.56	ng	0.00
7) Phenol-d6	7.24	99	333304	115.71	ng	0.00
23) Nitrobenzene-d5	9.26	82	324194	96.77	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	231379	144.41	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	744444	96.95	ng	0.00
79) Terphenyl-d14	20.06	244	1295199	99.07	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.26	70	47211	20.265	ng	# 81
51) 2,6-Dinitrotoluene	14.72	165	13229	6.756	ng	# 17
54) 2,4-Dinitrophenol	14.93	184	62	4.887	ng	# 13
57) 2,4-Dinitrotoluene	14.72	165	13229	4.622	ng	# 21
67) 4-Bromophenyl-phenylether	16.20	248	16653	5.063	ng	# 1
77) Benzidine	20.06	184	21954	3.503	ng	# 94

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

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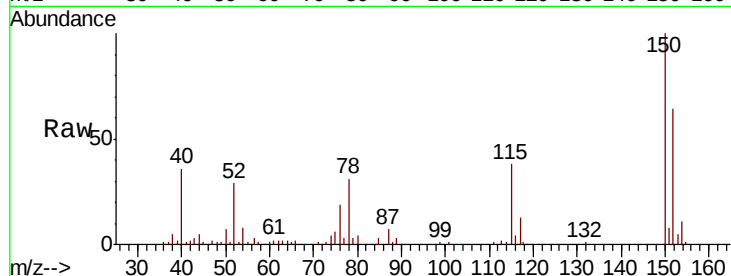


#1

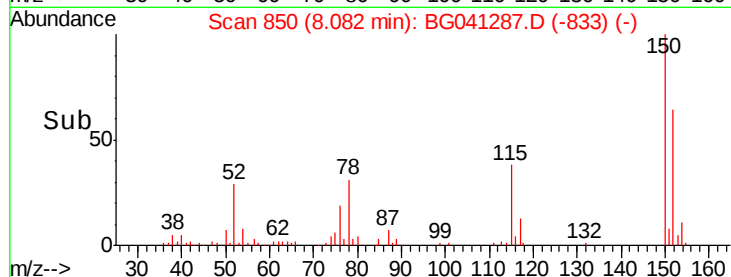
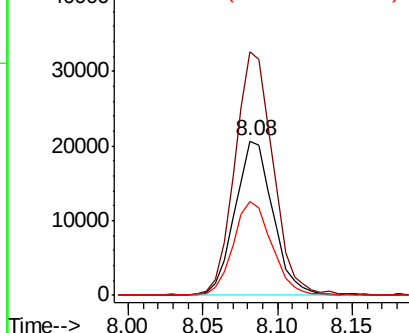
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 850
Delta R.T. 0.00 min
Lab File: BG041287.D
Acq: 18 Jun 2019 1:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 36513
Ion Ratio Lower Upper
152 100
150 157.4 120.6 181.0
115 60.6 47.9 71.9



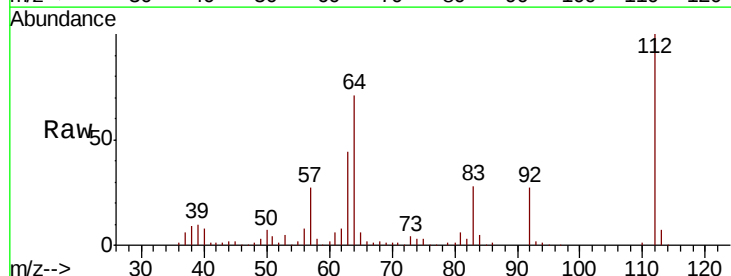
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



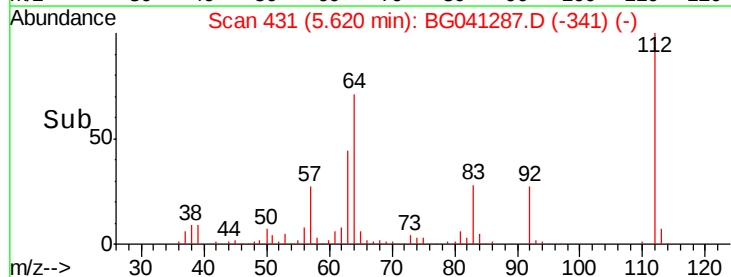
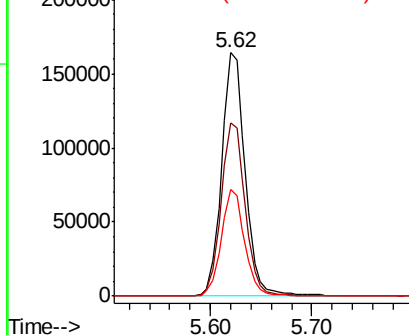
#5

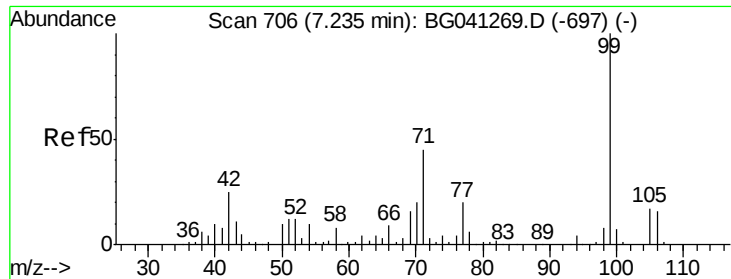
2-Fluorophenol
Concen: 132.557 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG041287.D
Acq: 18 Jun 2019 1:23

Tgt Ion:112 Resp: 263417
Ion Ratio Lower Upper
112 100
64 71.4 55.9 83.9
63 43.7 34.6 51.8



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





#7

Phenol-d6

Concen: 115.712 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG041287.D

Acq: 18 Jun 2019 1:23

Instrument :

BNA_G

ClientSampled :

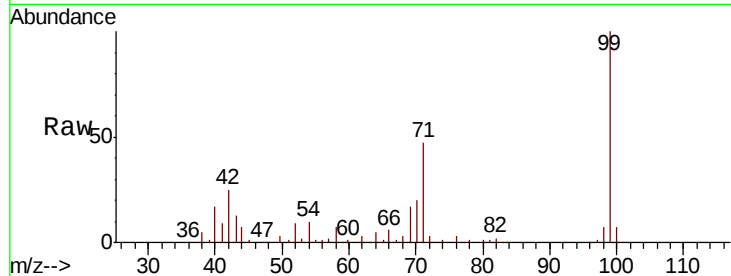
Tot Ion: 99 Resp: 333304

Ion Ratio Lower Upper

99 100

42 25.2 19.9 29.9

71 47.2 36.4 54.6

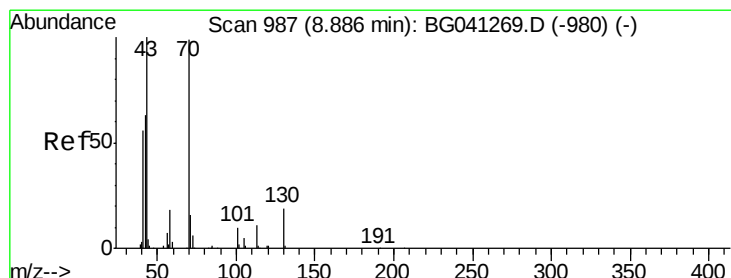
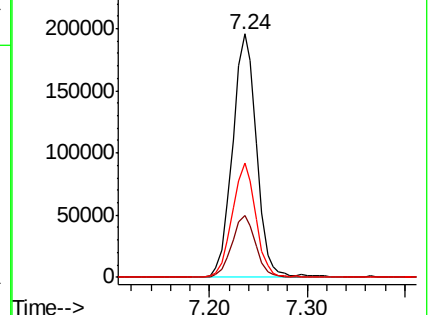
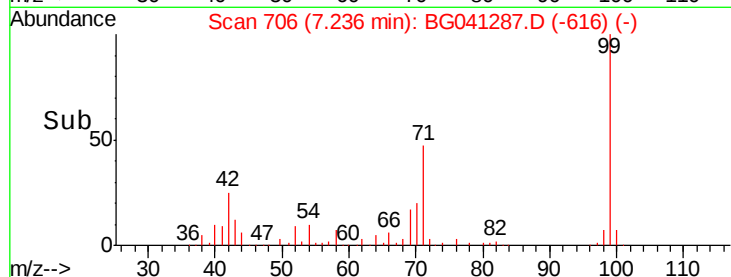


Abundance

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: 20.265 ng

RT: 9.26 min Scan# 1051

Delta R.T. 0.38 min

Lab File: BG041287.D

Acq: 18 Jun 2019 1:23

Tgt Ion: 70 Resp: 47211

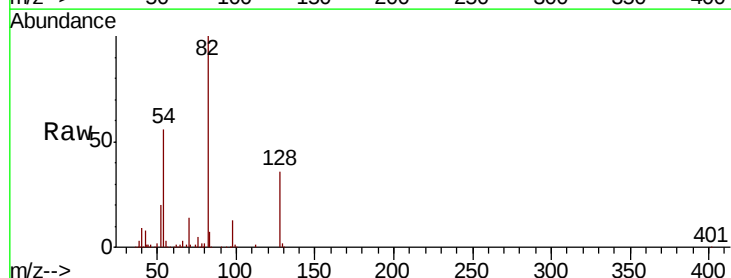
Ion Ratio Lower Upper

70 100

42 54.8 51.4 77.2

101 0.0 8.2 12.2#

130 1.3 15.2 22.8#



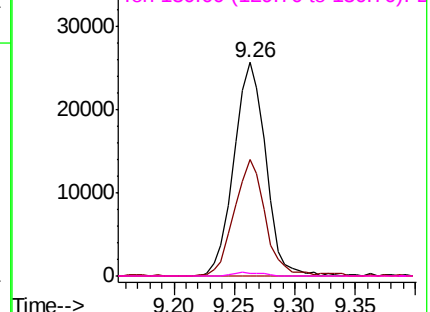
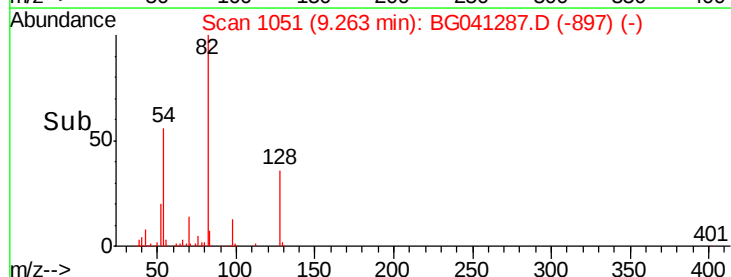
Abundance

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

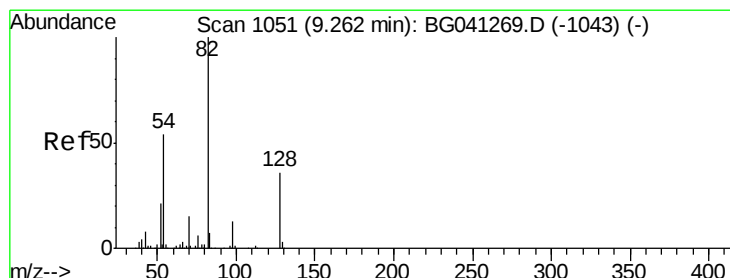
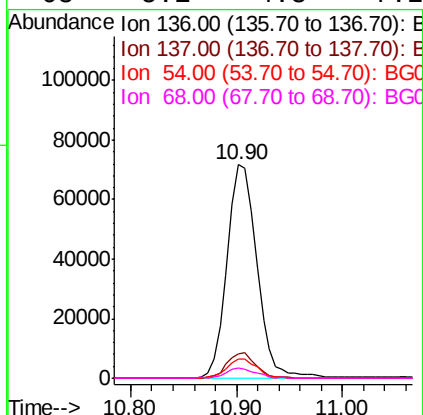
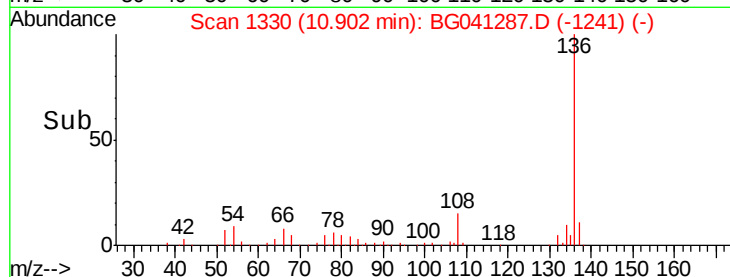
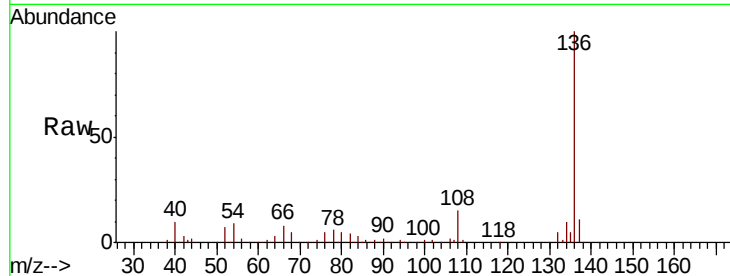




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BG041287.D
Acq: 18 Jun 2019 1:23

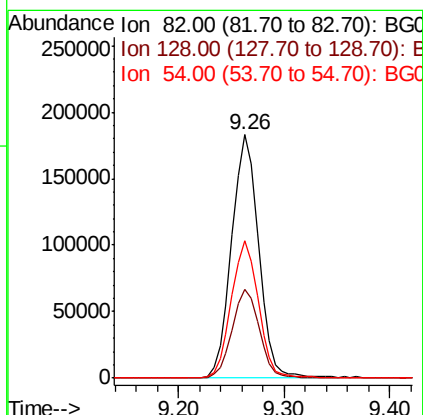
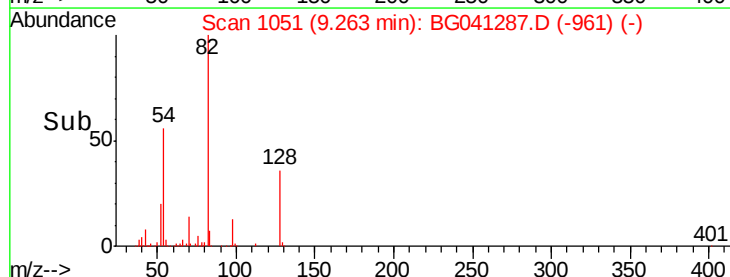
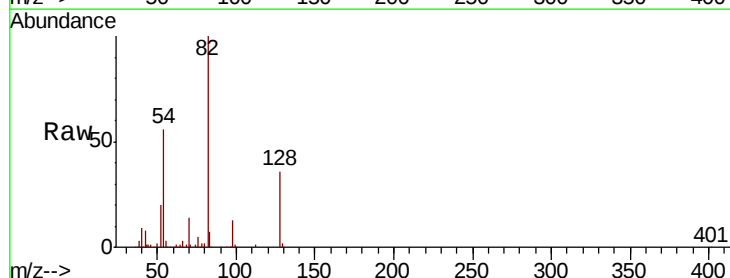
Instrument :
BNA_G
ClientSampleId :

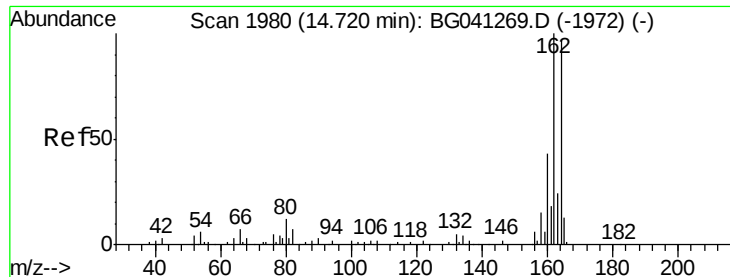
Tot Ion:136	Resp:	140891
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.8 13.2
54	9.2	6.4 9.6
68	5.1	4.8 7.2



#23
Nitrobenzene-d5
Concen: 96.773 ng
RT: 9.26 min Scan# 1051
Delta R.T. 0.00 min
Lab File: BG041287.D
Acq: 18 Jun 2019 1:23

Tgt Ion: 82	Resp:	324194
Ion Ratio	Lower	Upper
82	100	
128	36.5	29.2 43.8
54	56.3	43.4 65.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BG041287.D

Acq: 18 Jun 2019 1:23

Instrument :

BNA_G

ClientSampleId :

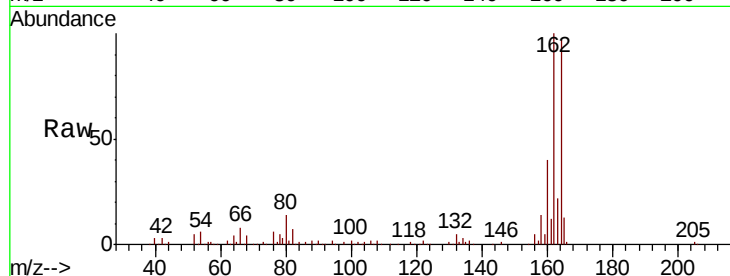
Tot Ion:164 Resp: 104367

Ion Ratio Lower Upper

164 100

162 103.3 82.8 124.2

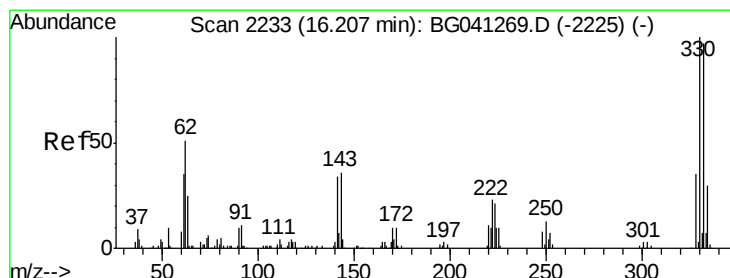
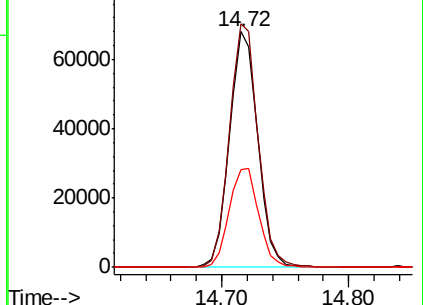
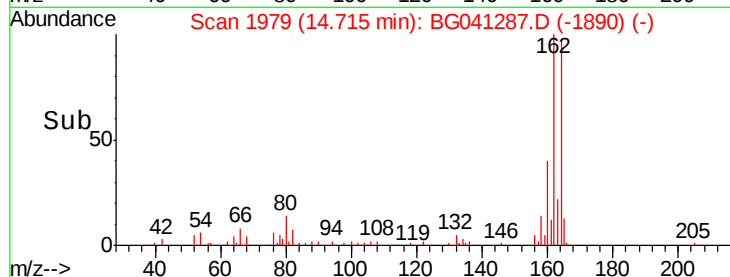
160 41.7 35.8 53.8



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: 144.408 ng

RT: 16.21 min Scan# 2233

Delta R.T. 0.00 min

Lab File: BG041287.D

Acq: 18 Jun 2019 1:23

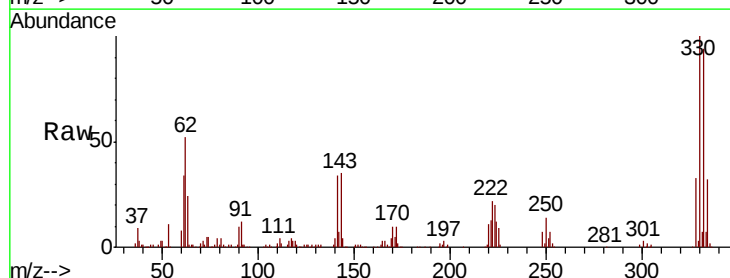
Tgt Ion:330 Resp: 231379

Ion Ratio Lower Upper

330 100

332 96.5 75.5 113.3

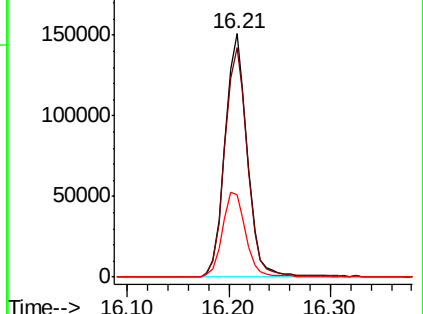
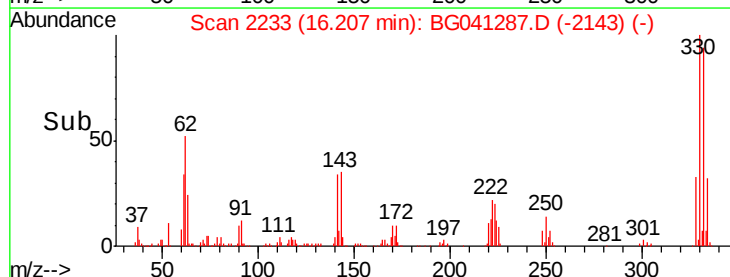
141 36.3 29.0 43.4

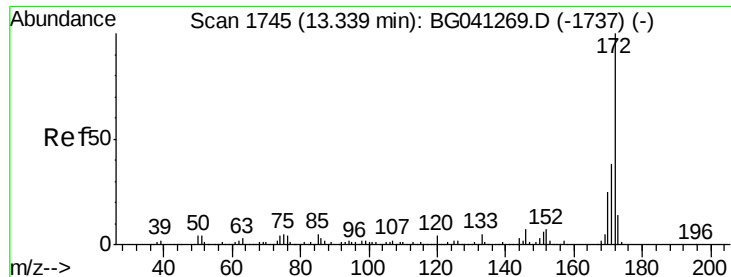


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

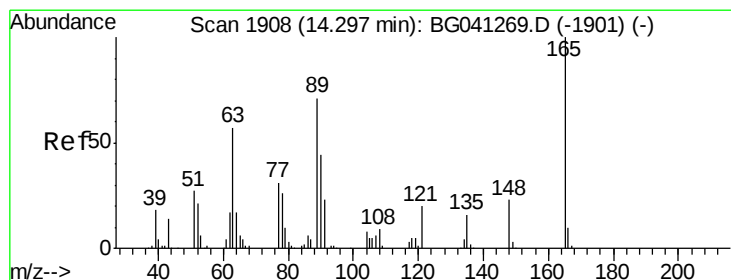
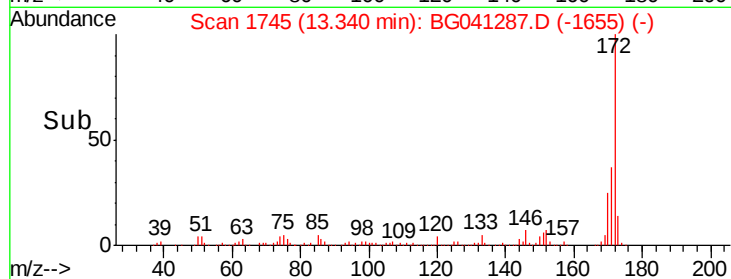
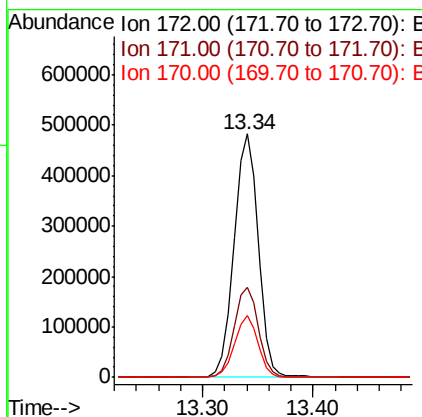
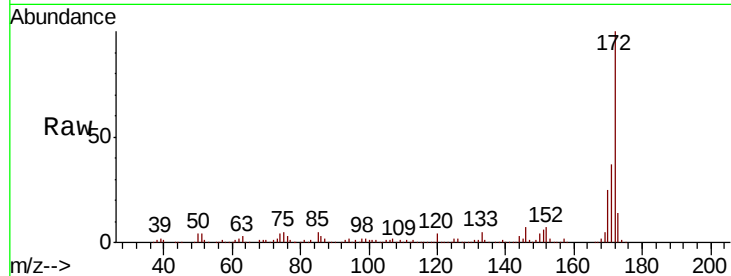




#45
2-Fluorobiphenyl
Concen: 96.948 ng
RT: 13.34 min Scan# 1745
Delta R.T. 0.00 min
Lab File: BG041287.D
Acq: 18 Jun 2019 1:23

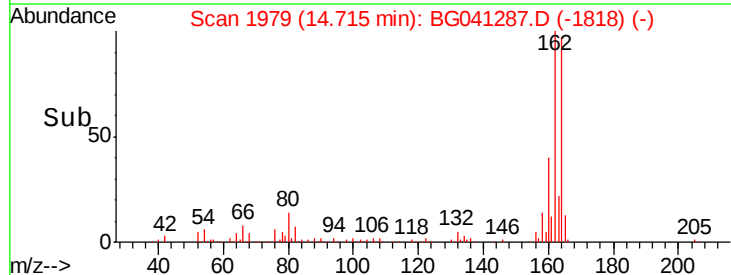
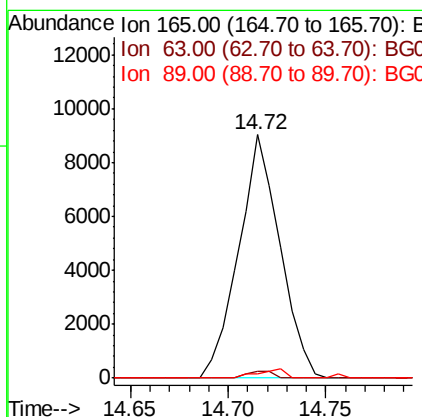
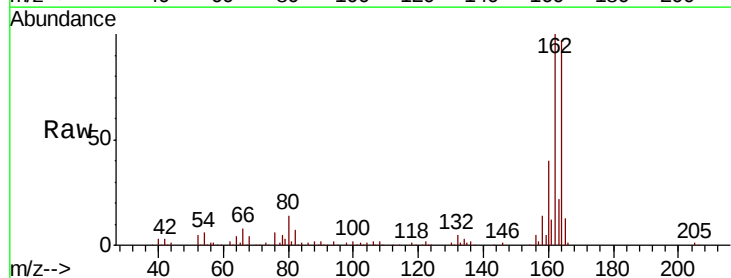
Instrument :
BNA_G
ClientSampleId :

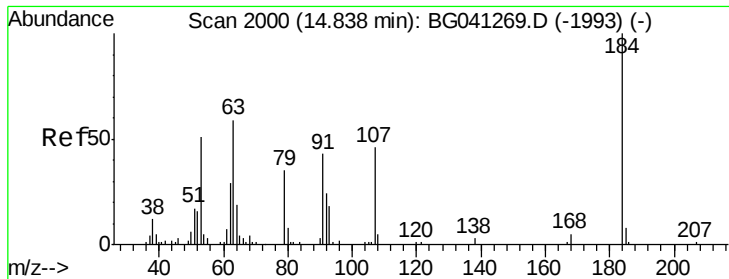
Tot Ion:172 Resp: 744444
Ion Ratio Lower Upper
172 100
171 37.0 30.0 45.0
170 25.4 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 6.756 ng
RT: 14.72 min Scan# 1979
Delta R.T. 0.42 min
Lab File: BG041287.D
Acq: 18 Jun 2019 1:23

Tgt Ion:165 Resp: 13229
Ion Ratio Lower Upper
165 100
63 2.6 55.4 83.0#
89 1.9 56.5 84.7#





#54

2,4-Dinitrophenol

Concen: 4.887 ng

RT: 14.93 min Scan# 2016

Delta R.T. 0.10 min

Lab File: BG041287.D

Acq: 18 Jun 2019 1:23

Instrument :

BNA_G

ClientSampled :

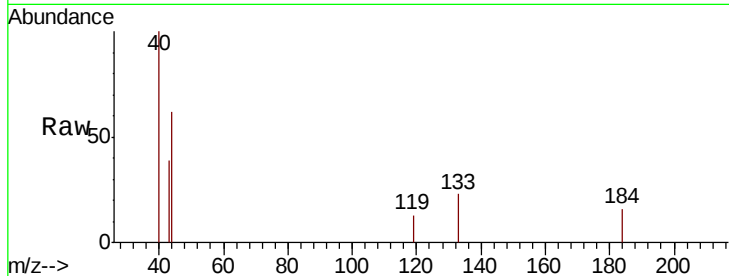
Tot Ion:184 Resp: 62

Ion Ratio Lower Upper

184 100

63 0.0 60.0 90.0#

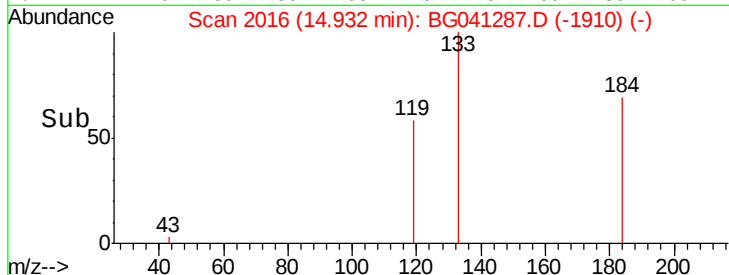
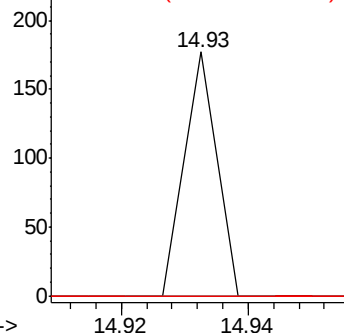
154 0.0 58.3 87.5#



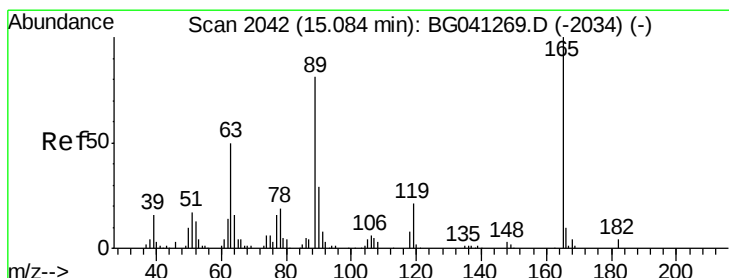
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E



Time-->



#57

2,4-Dinitrotoluene

Concen: 4.622 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.37 min

Lab File: BG041287.D

Acq: 18 Jun 2019 1:23

Tgt Ion:165 Resp: 13229

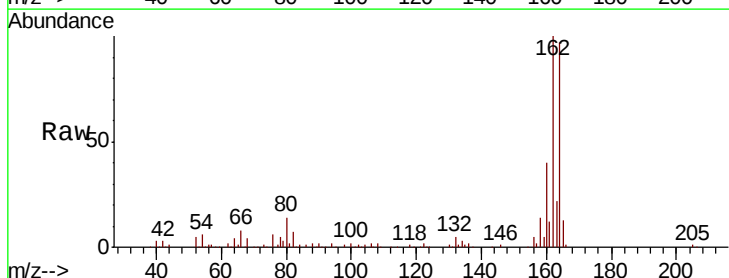
Ion Ratio Lower Upper

165 100

63 2.6 40.0 60.0#

89 1.9 64.6 96.8#

182 0.0 2.9 4.3#

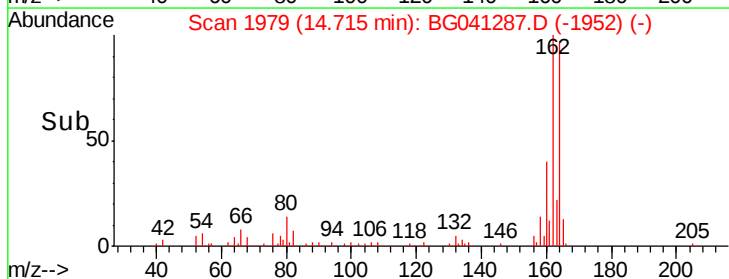
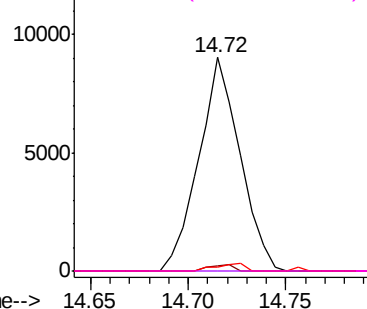


Abundance Ion 165.00 (164.70 to 165.70): E

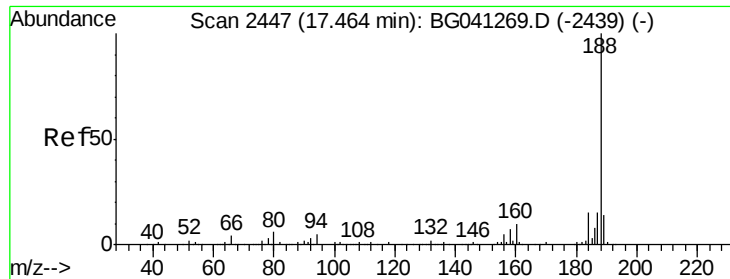
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.46 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BG041287.D

Acq: 18 Jun 2019 1:23

Instrument :

BNA_G

ClientSampleId :

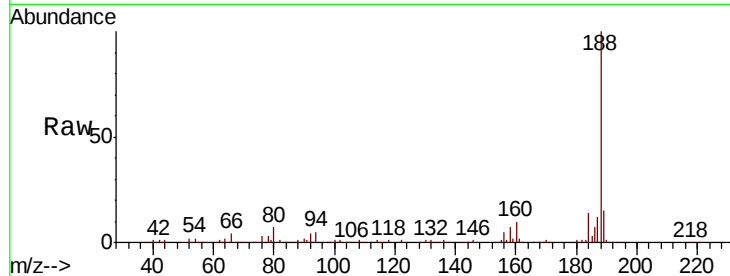
Tot Ion:188 Resp: 254386

Ion Ratio Lower Upper

188 100

94 5.3 3.6 5.4

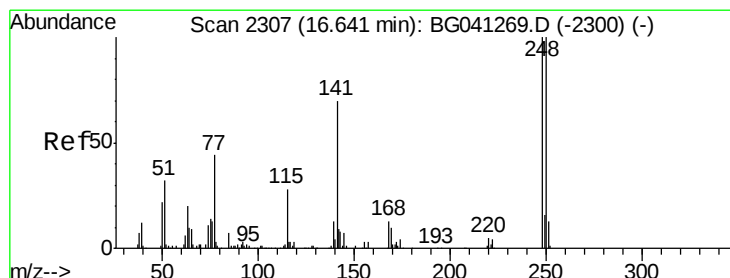
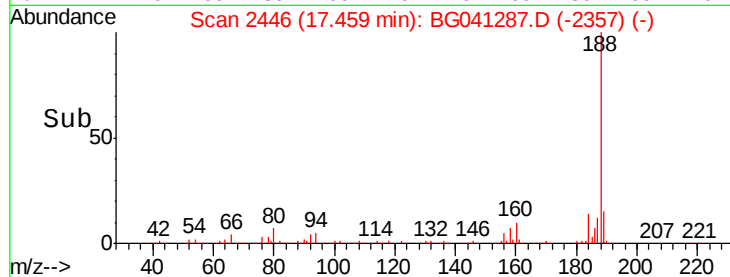
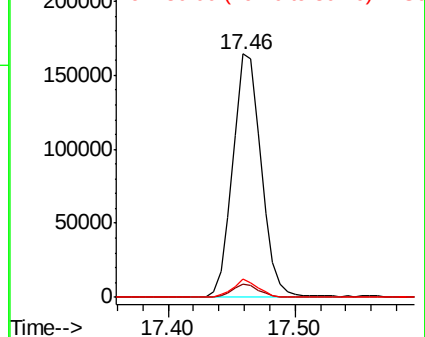
80 7.3 4.8 7.2#



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: 5.063 ng

RT: 16.20 min Scan# 2232

Delta R.T. -0.44 min

Lab File: BG041287.D

Acq: 18 Jun 2019 1:23

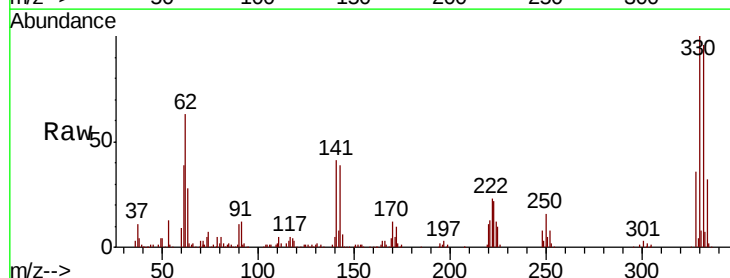
Tgt Ion:248 Resp: 16653

Ion Ratio Lower Upper

248 100

250 199.3 79.8 119.8#

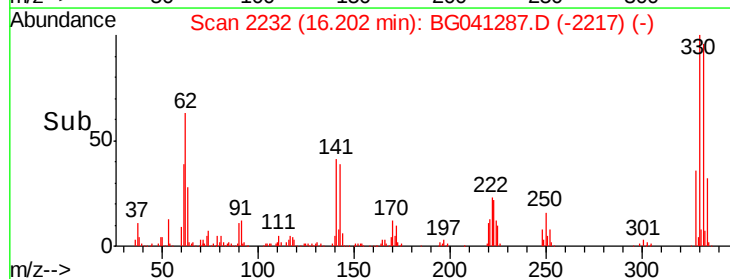
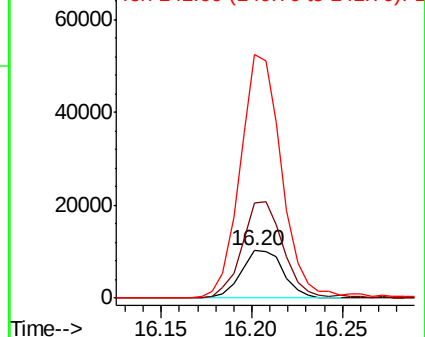
141 512.7 55.8 83.6#

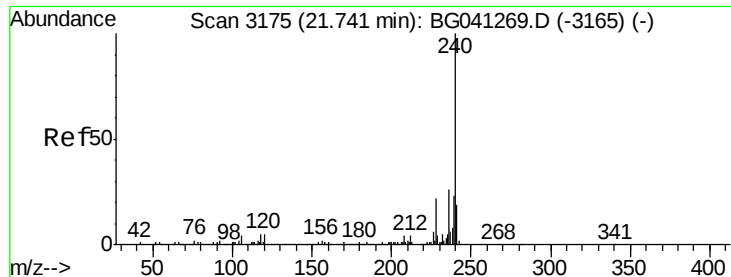


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG041287.D

Acq: 18 Jun 2019 1:23

Instrument :

BNA_G

ClientSampleId :

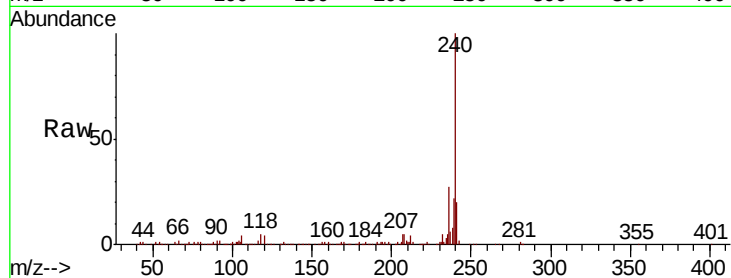
Tot Ion:240 Resp: 259086

Ion Ratio Lower Upper

240 100

120 4.5 3.7 5.5

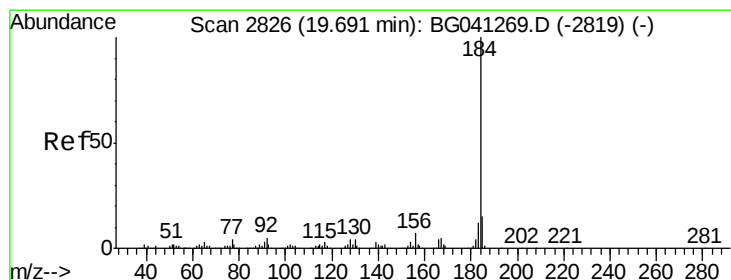
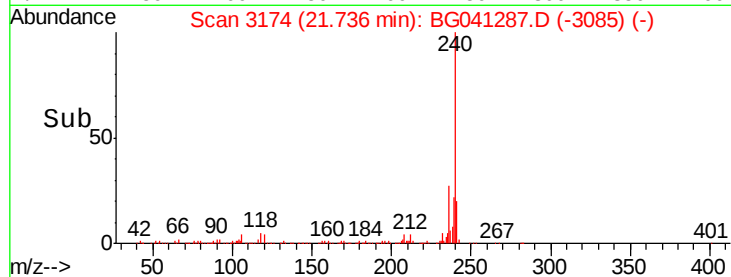
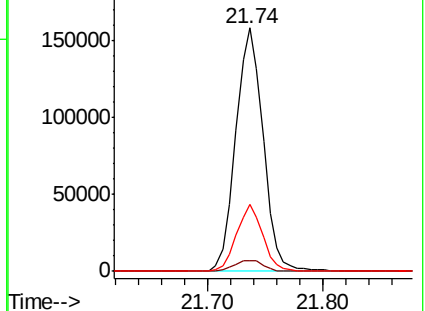
236 27.3 21.1 31.7



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: 3.503 ng

RT: 20.06 min Scan# 2888

Delta R.T. 0.37 min

Lab File: BG041287.D

Acq: 18 Jun 2019 1:23

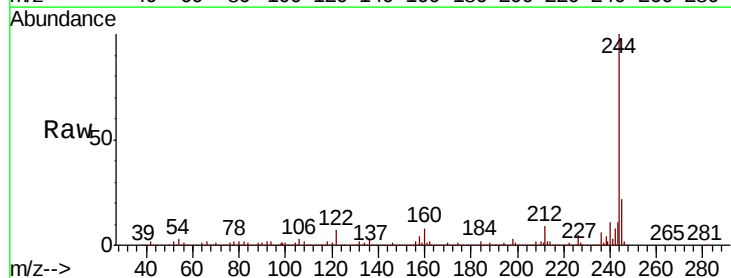
Tgt Ion:184 Resp: 21954

Ion Ratio Lower Upper

184 100

185 12.7 12.2 18.2

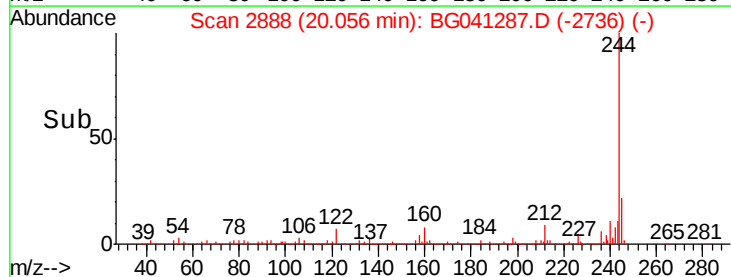
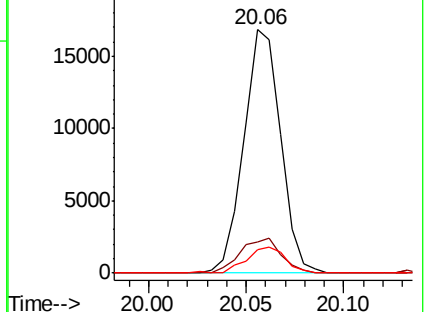
183 9.4 9.6 14.4#

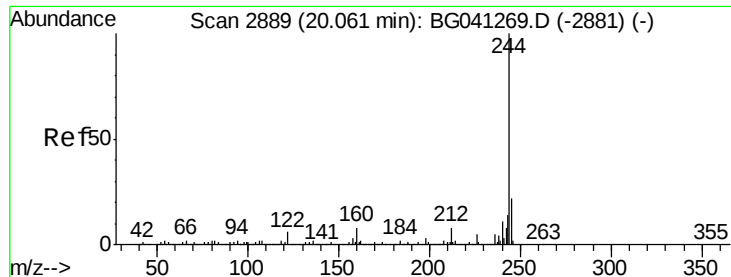


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 99.072 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.00 min

Lab File: BG041287.D

Acq: 18 Jun 2019 1:23

Instrument :

BNA_G

ClientSampleId :

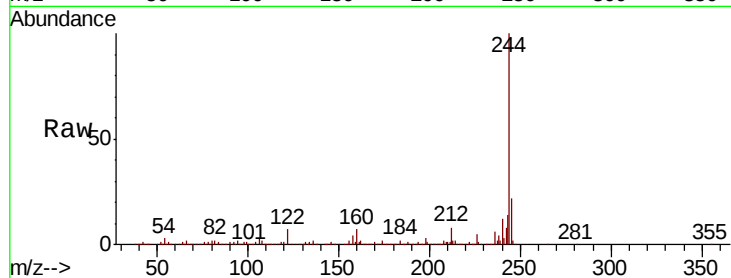
Tot Ion:244 Resp: 1295199

Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.6	10.0
122	6.7	5.0	7.4

244 100

212 8.4 6.6 10.0

122 6.7 5.0 7.4

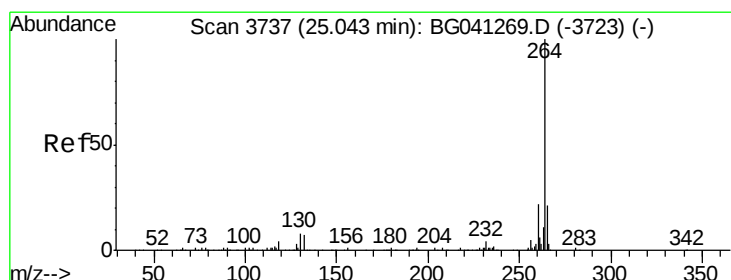
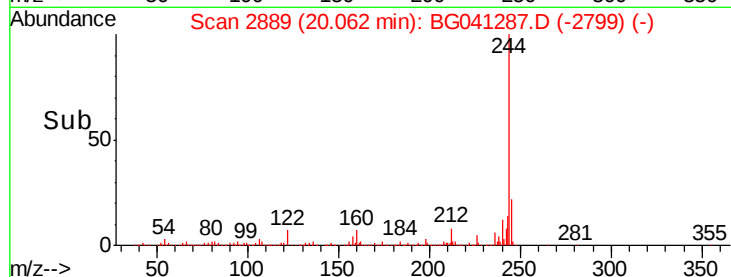
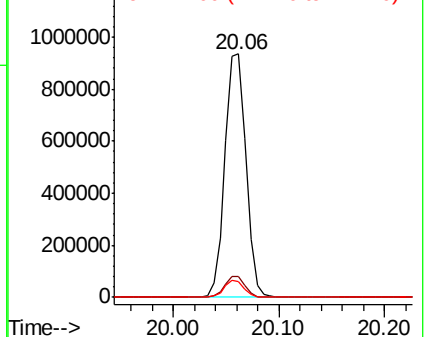


Abundance

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: 25.05 min Scan# 3738

Delta R.T. 0.01 min

Lab File: BG041287.D

Acq: 18 Jun 2019 1:23

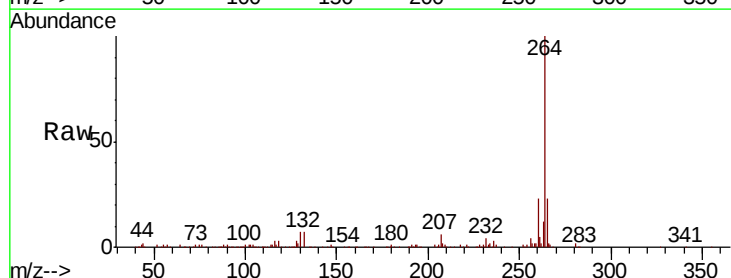
Tgt Ion:264 Resp: 275184

Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.2
265	22.8	17.2	25.8

264 100

260 23.1 17.4 26.2

265 22.8 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

