

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061719\
 Data File : BG041282.D
 Acq On : 17 Jun 2019 22:13
 Operator : HP/JU
 Sample : K3154-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 18 07:44:54 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

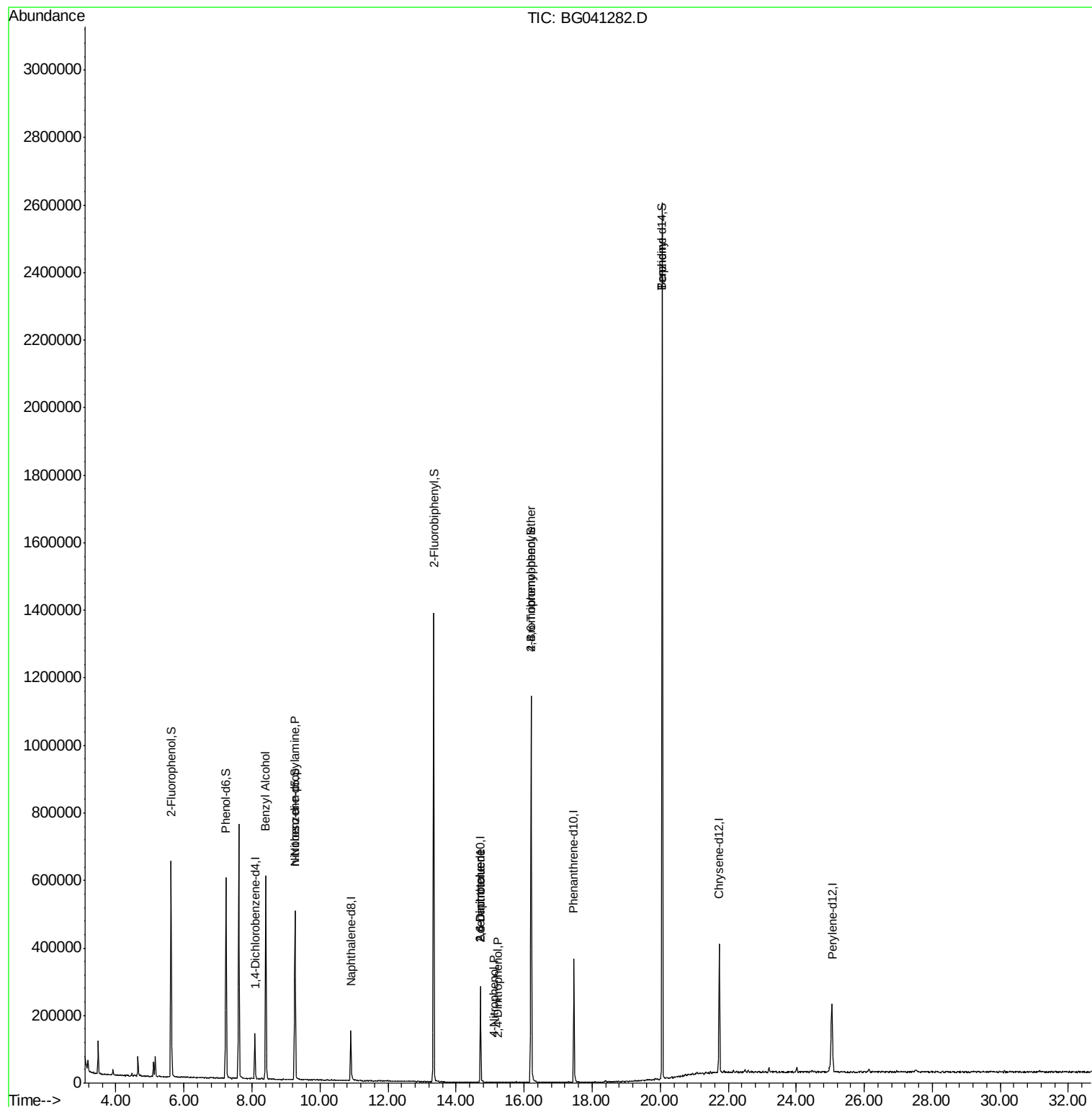
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	33785	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	130773	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	95785	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	236709	20.00	ng	0.00
76) Chrysene-d12	21.74	240	236926	20.00	ng	0.00
87) Perylene-d12	25.04	264	250887	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	243078	132.20	ng	0.00
7) Phenol-d6	7.24	99	301583	113.15	ng	0.00
23) Nitrobenzene-d5	9.26	82	301428	96.94	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	223542	152.02	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	703556	99.83	ng	0.00
79) Terphenyl-d14	20.06	244	1230076	102.89	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.41	79	5351	2.095	ng	# 52
19) n-Nitroso-di-n-propylamine	9.26	70	43610	20.231	ng	# 78
51) 2,6-Dinitrotoluene	14.72	165	12974	7.220	ng	# 16
54) 2,4-Dinitrophenol	15.22	184	63	4.892	ng	# 13
56) 4-Nitrophenol	15.13	139	309	3.436	ng	# 1
57) 2,4-Dinitrotoluene	14.72	165	12974	4.939	ng	# 19
67) 4-Bromophenyl-phenylether	16.21	248	17036	5.566	ng	# 1
77) Benzidine	20.06	184	20480	3.574	ng	94

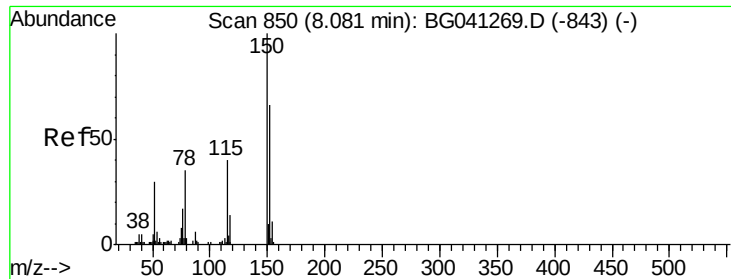
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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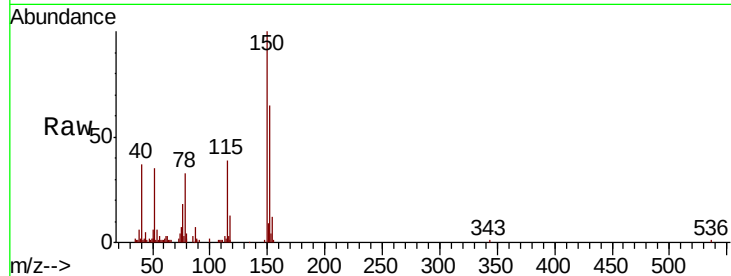


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 850
Delta R.T. 0.00 min
Lab File: BG041282.D
Acq: 17 Jun 2019 22:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	120.6	181.0
115	60.0	47.9	71.9

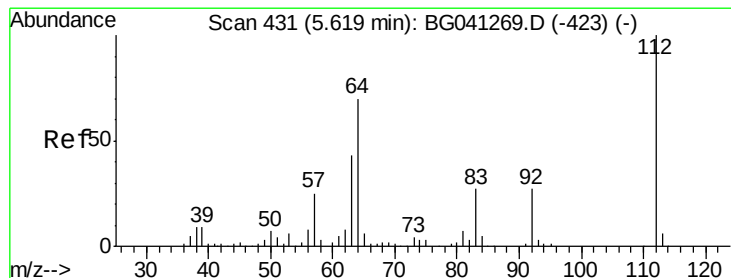
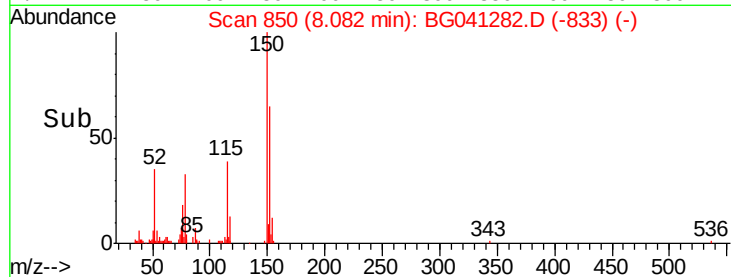
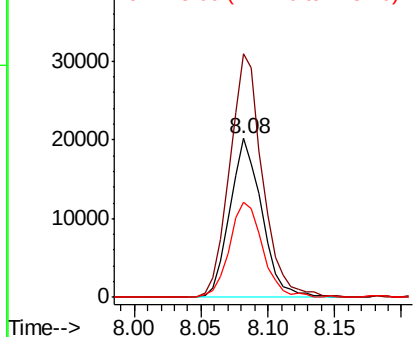


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

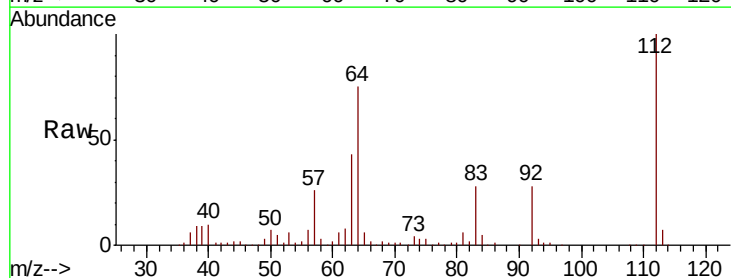
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 132.199 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG041282.D
Acq: 17 Jun 2019 22:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.8	55.9	83.9
63	43.3	34.6	51.8

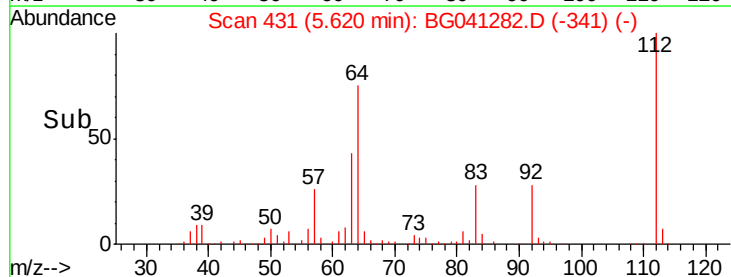
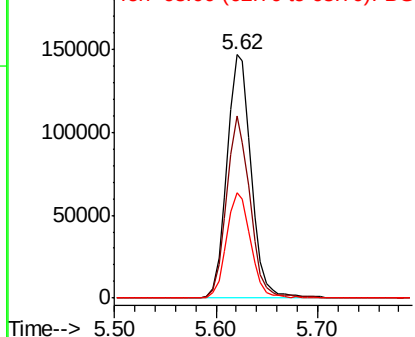


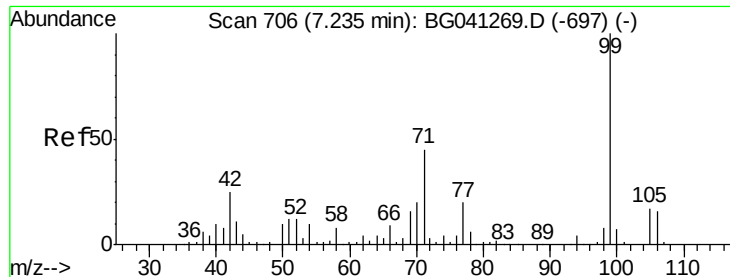
Abundance

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: 113.154 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG041282.D

Acq: 17 Jun 2019 22:13

Instrument :

BNA_G

ClientSampled :

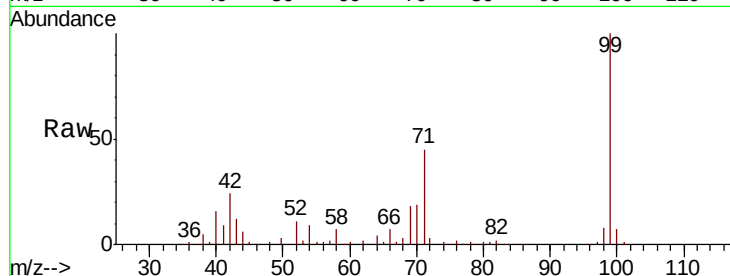
Tot Ion: 99 Resp: 301583

Ion Ratio Lower Upper

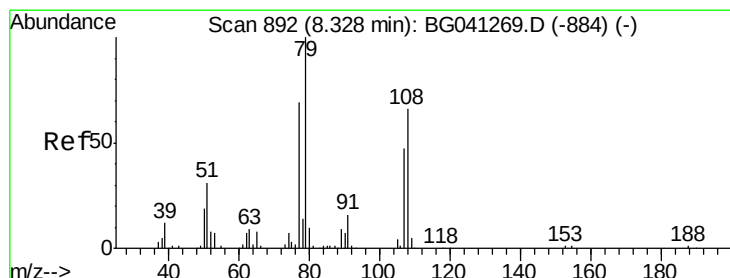
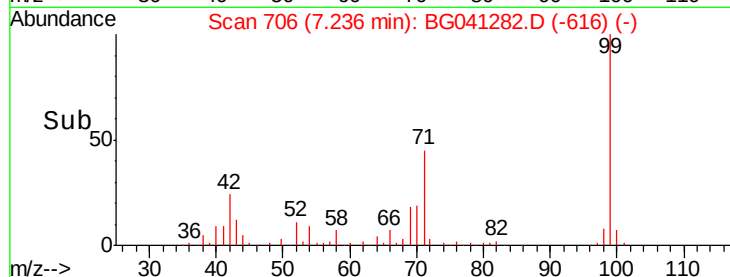
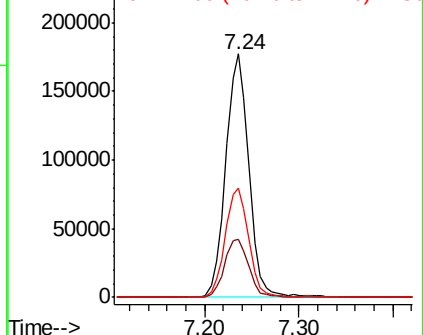
99 100

42 23.9 19.9 29.9

71 45.1 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



#15

Benzyl Alcohol

Concen: 2.095 ng

RT: 8.41 min Scan# 905

Delta R.T. 0.08 min

Lab File: BG041282.D

Acq: 17 Jun 2019 22:13

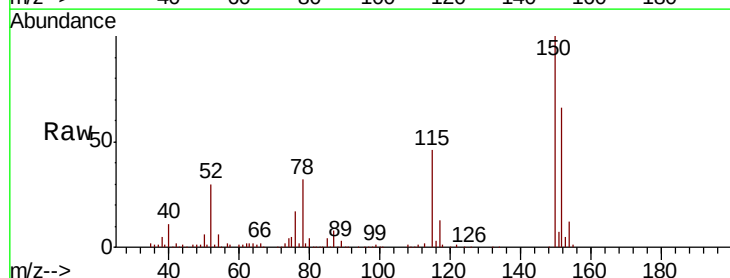
Tgt Ion: 79 Resp: 5351

Ion Ratio Lower Upper

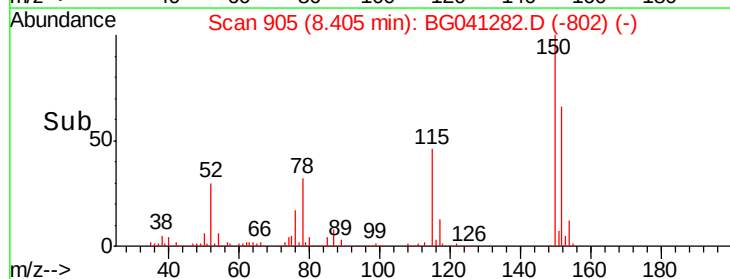
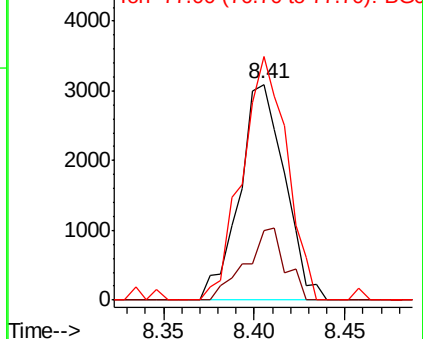
79 100

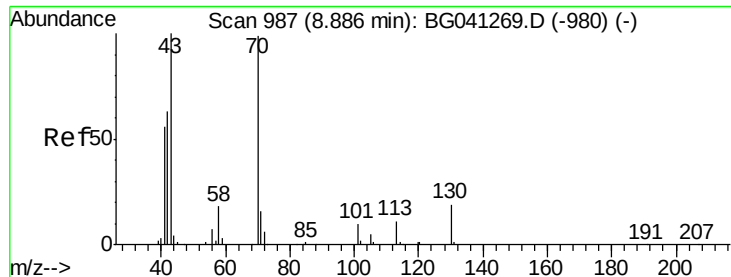
108 32.1 52.7 79.1#

77 112.7 55.2 82.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

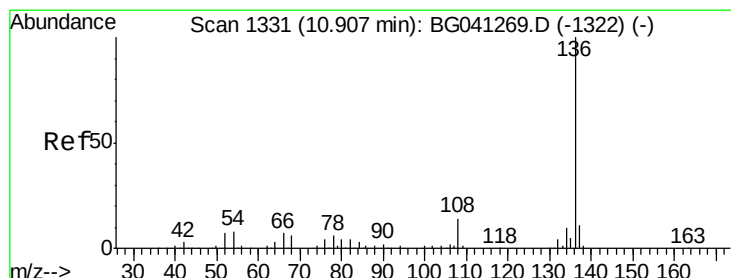
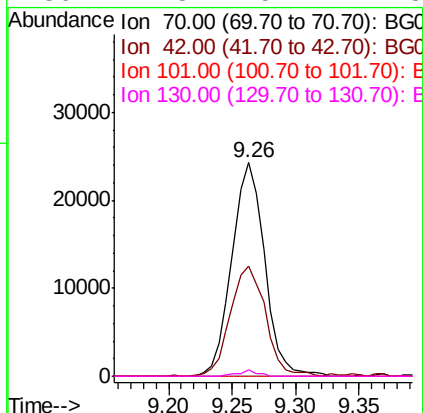
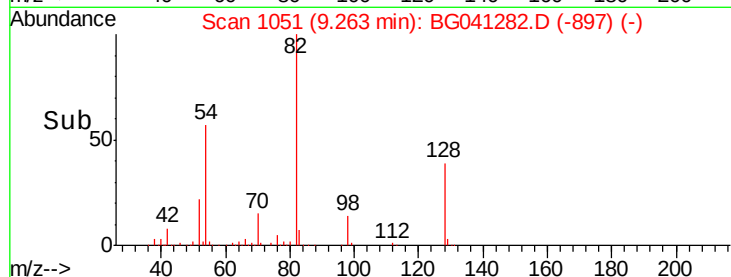
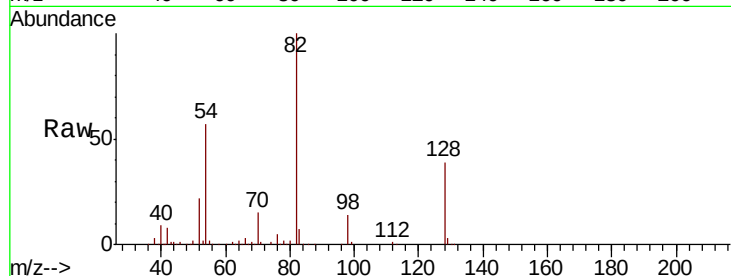




#19
n-Nitroso-di-n-propylamine
Concen: 20.231 ng
RT: 9.26 min Scan# 1051
Delta R.T. 0.38 min
Lab File: BG041282.D
Acq: 17 Jun 2019 22:13

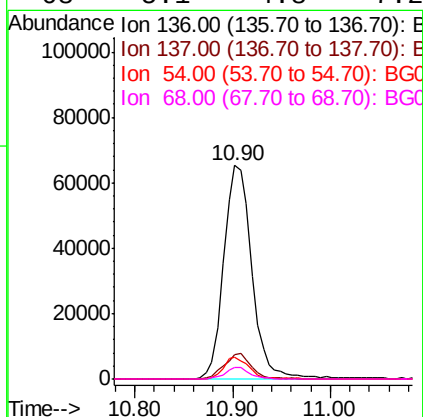
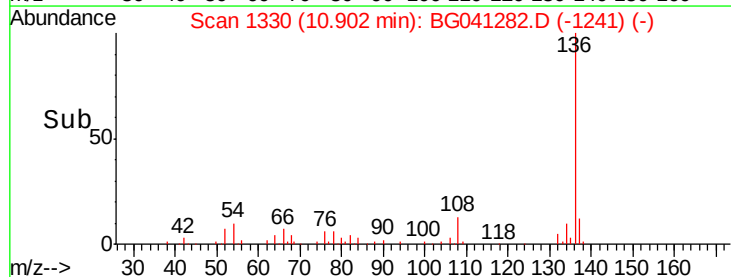
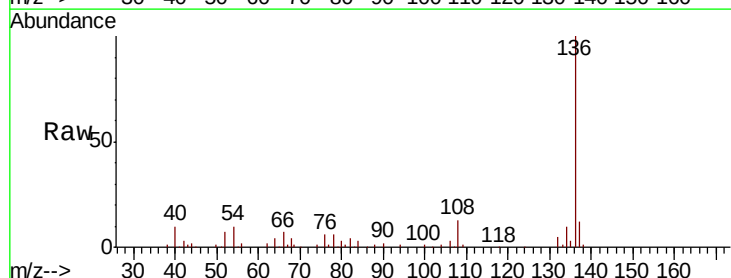
Instrument :
BNA_G
ClientSampleId :

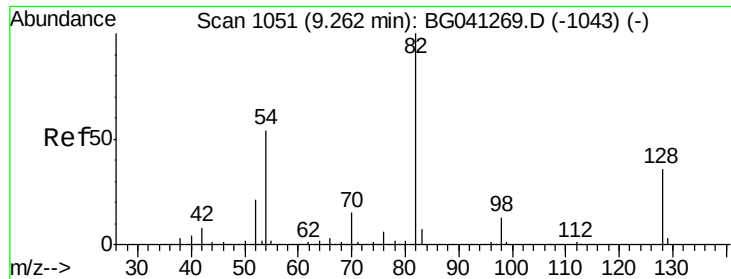
Tot Ion: 70 Resp: 43610
Ion Ratio Lower Upper
70 100
42 51.4 51.4 77.2#
101 0.0 8.2 12.2#
130 2.8 15.2 22.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BG041282.D
Acq: 17 Jun 2019 22:13

Tgt Ion: 136 Resp: 130773
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 10.4 6.4 9.6#
68 5.1 4.8 7.2

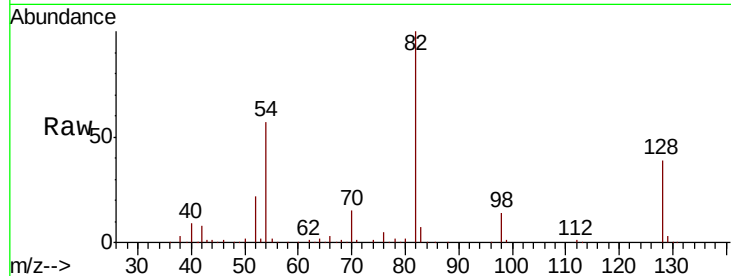




#23
Nitrobenzene-d5
Concen: 96.938 ng
RT: 9.26 min Scan# 1051
Delta R.T. 0.00 min
Lab File: BG041282.D
Acq: 17 Jun 2019 22:13

Instrument :
BNA_G
ClientSampled :

Tot Ion	82.00	Resp	301428
Ion Ratio	Lower	Upper	
82	100		
128	38.7	29.2	43.8
54	57.2	43.4	65.0

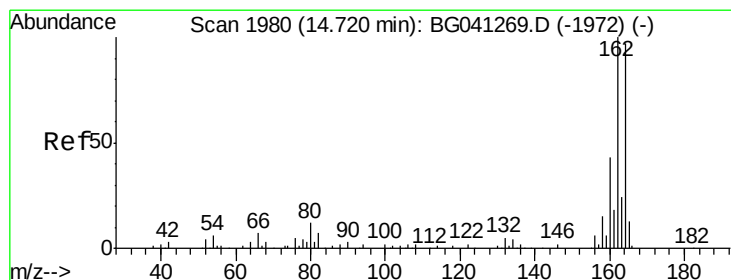
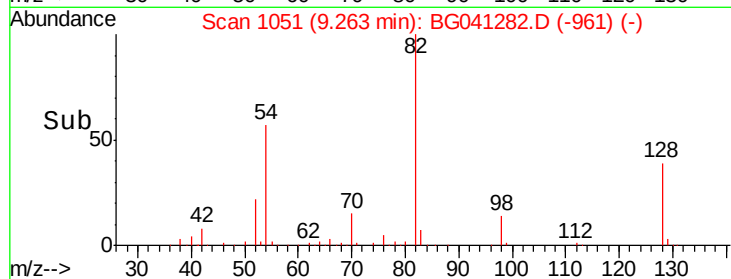
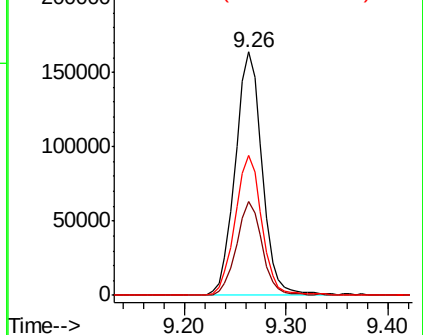


Abundance

Ion 82.00 (81.70 to 82.70): BGC

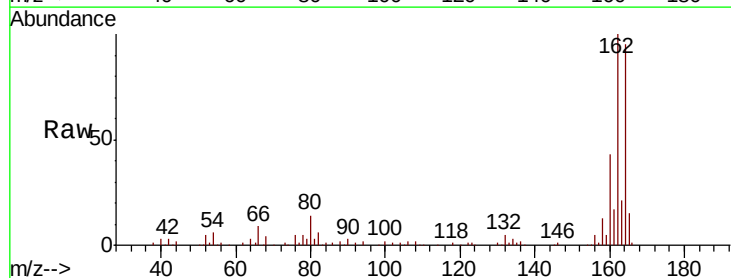
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1979
Delta R.T. -0.00 min
Lab File: BG041282.D
Acq: 17 Jun 2019 22:13

Tgt Ion	164	Resp	95785
Ion Ratio	Lower	Upper	
164	100		
162	105.6	82.8	124.2
160	45.8	35.8	53.8

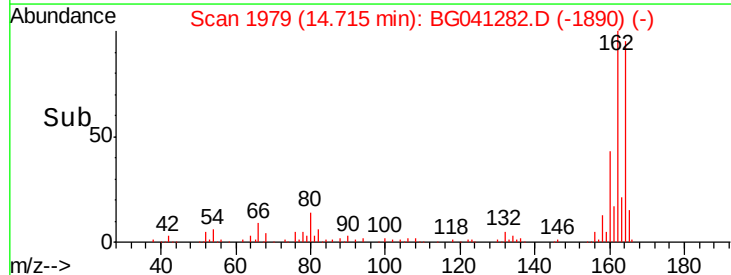
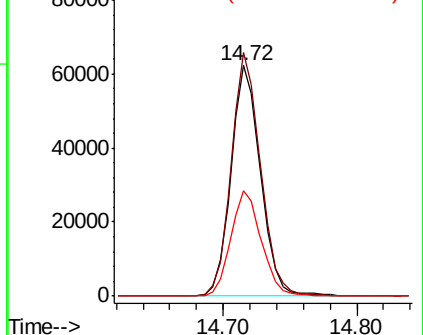


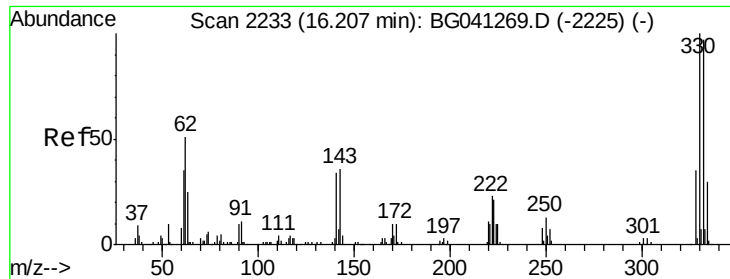
Abundance

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: 152.016 ng

RT: 16.21 min Scan# 2233

Delta R.T. 0.00 min

Lab File: BG041282.D

Acq: 17 Jun 2019 22:13

Instrument :

BNA_G

ClientSampleId :

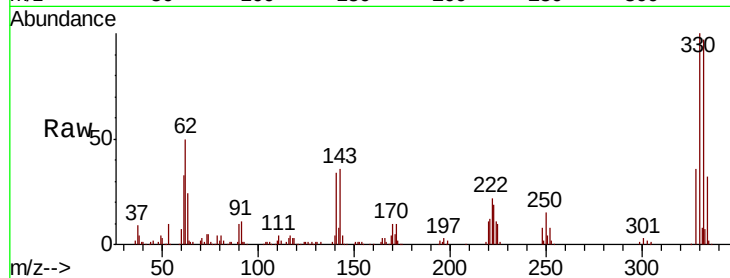
Tot Ion:330 Resp: 223542

Ion Ratio Lower Upper

330 100

332 94.5 75.5 113.3

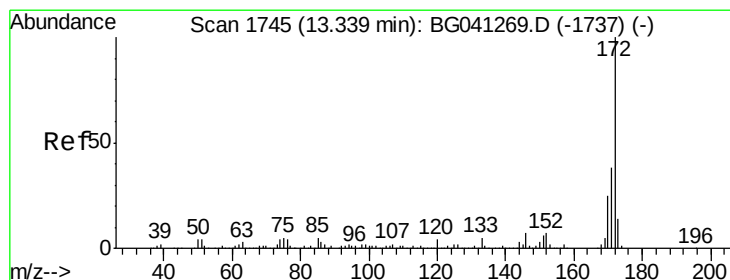
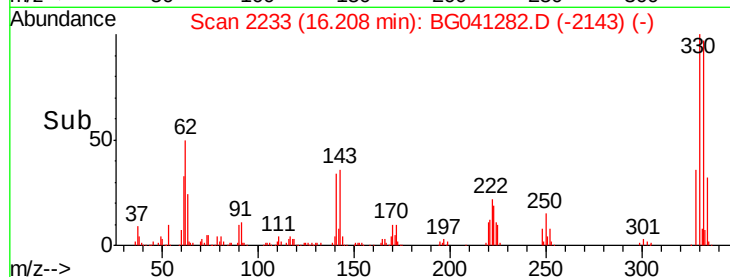
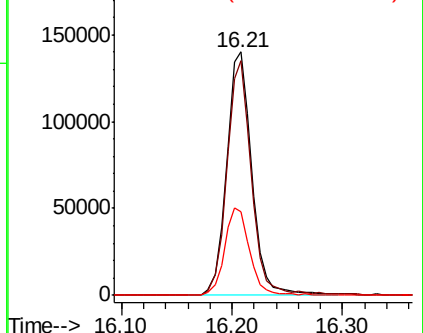
141 35.5 29.0 43.4



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: 99.832 ng

RT: 13.34 min Scan# 1745

Delta R.T. 0.00 min

Lab File: BG041282.D

Acq: 17 Jun 2019 22:13

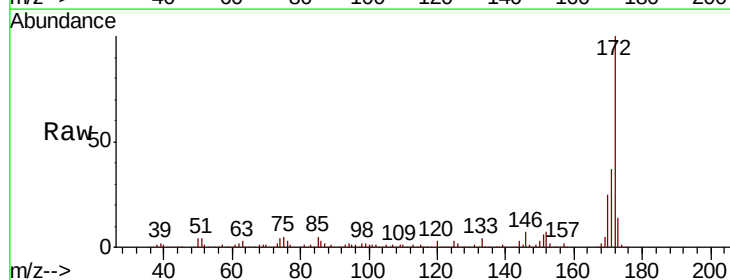
Tgt Ion:172 Resp: 703556

Ion Ratio Lower Upper

172 100

171 37.2 30.0 45.0

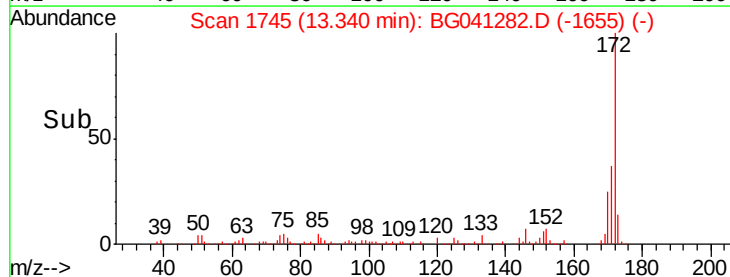
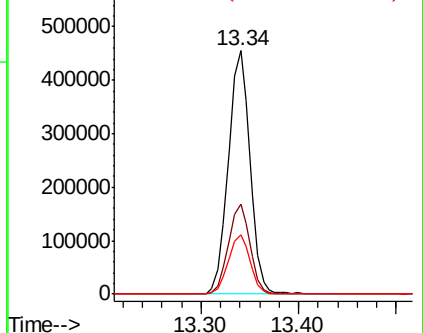
170 24.6 19.8 29.6

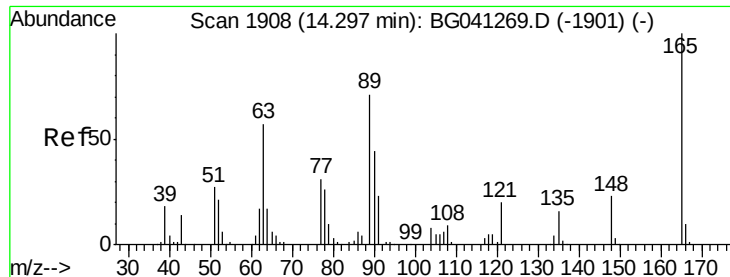


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

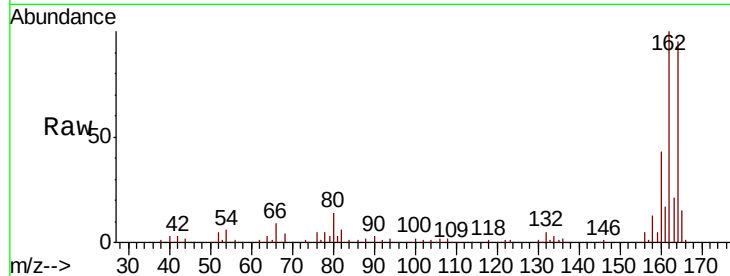




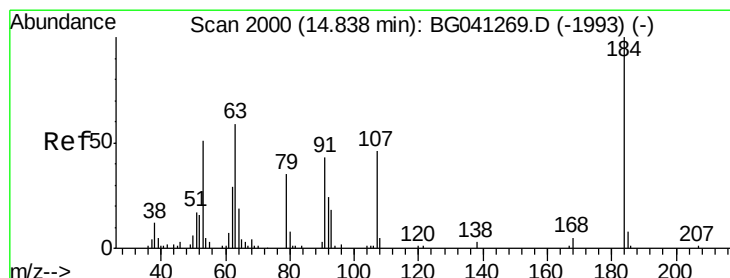
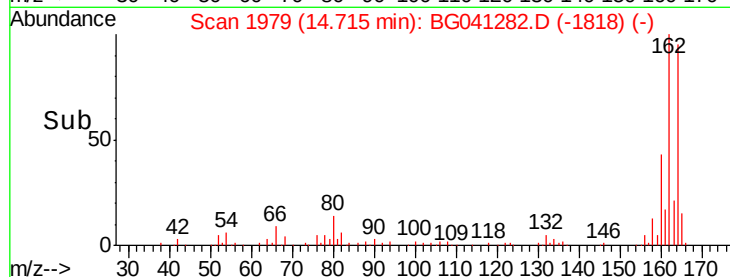
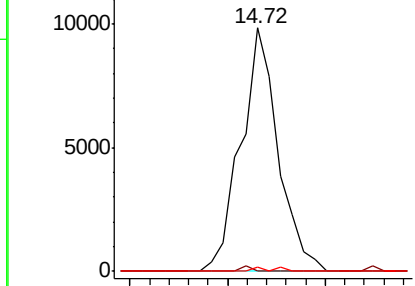
#51
 2,6-Dinitrotoluene
 Concen: 7.220 ng
 RT: 14.72 min Scan# 1979
 Delta R.T. 0.42 min
 Lab File: BG041282.D
 Acq: 17 Jun 2019 22:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	55.4	83.0#
89	1.5	56.5	84.7#

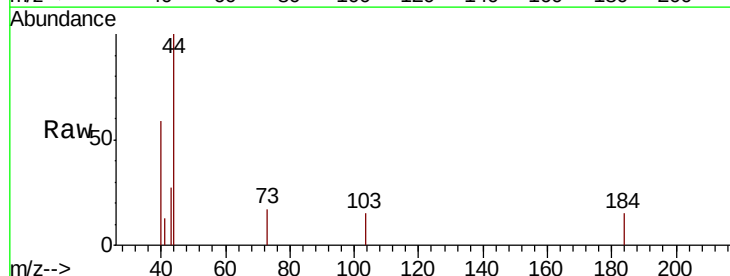


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

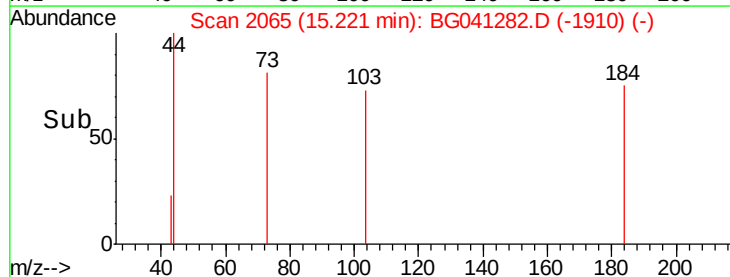
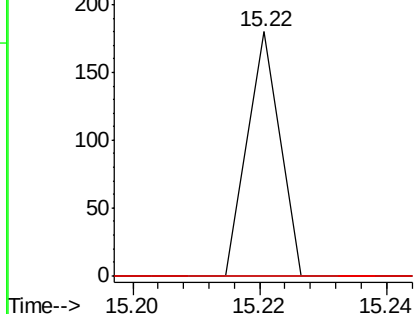


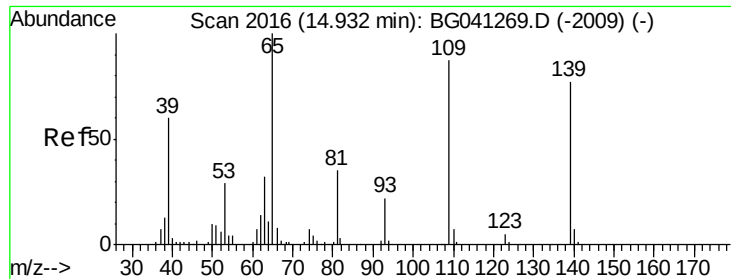
#54
 2,4-Dinitrophenol
 Concen: 4.892 ng
 RT: 15.22 min Scan# 2065
 Delta R.T. 0.38 min
 Lab File: BG041282.D
 Acq: 17 Jun 2019 22:13

Tgt 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): BG
 Ion 154.00 (153.70 to 154.70): E

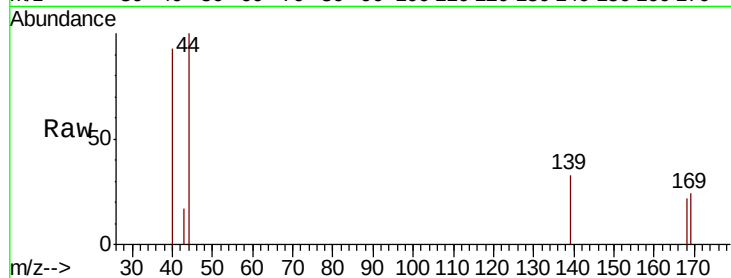




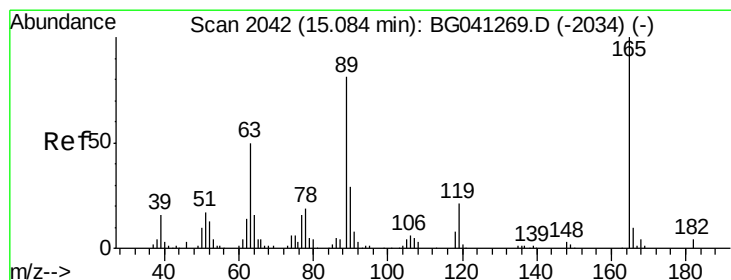
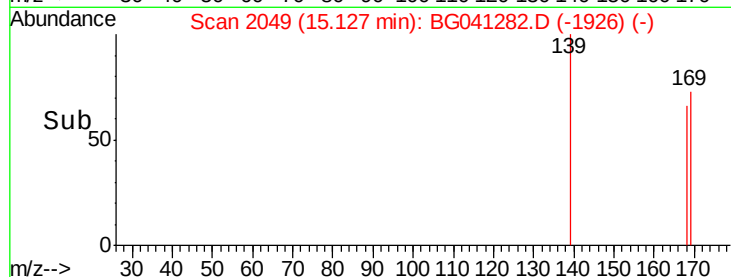
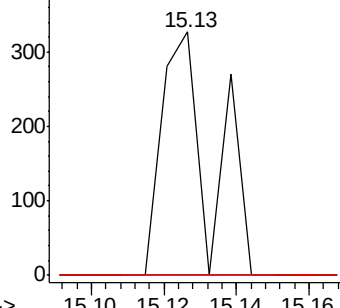
#56
4-Nitrophenol
Concen: 3.436 ng
RT: 15.13 min Scan# 2049
Delta R.T. 0.20 min
Lab File: BG041282.D
Acq: 17 Jun 2019 22:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:139 Resp: 309
Ion Ratio Lower Upper
139 100
109 0.0 93.2 133.2#
65 0.0 110.2 150.2#

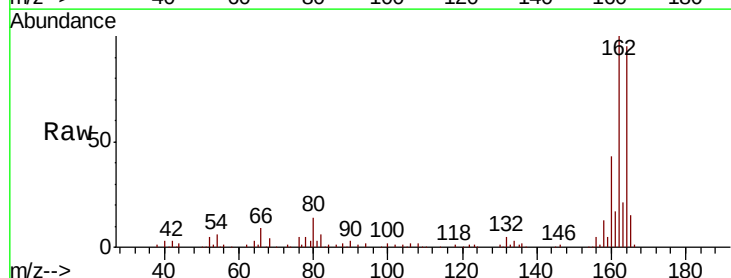


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

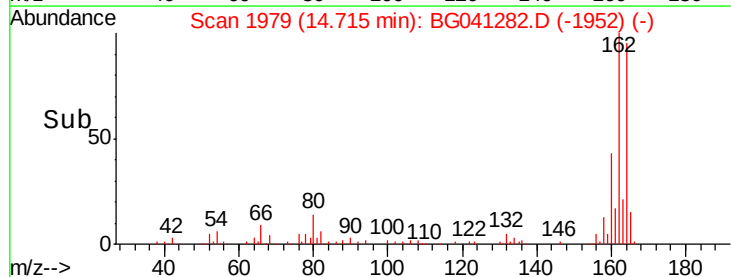
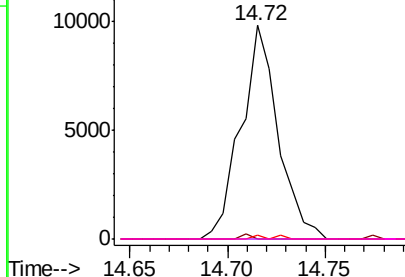


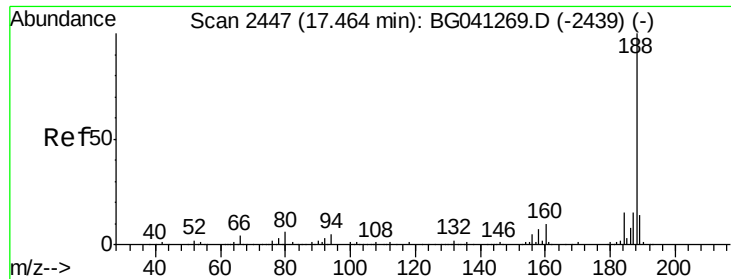
#57
2,4-Dinitrotoluene
Concen: 4.939 ng
RT: 14.72 min Scan# 1979
Delta R.T. -0.37 min
Lab File: BG041282.D
Acq: 17 Jun 2019 22:13

Tgt Ion:165 Resp: 12974
Ion Ratio Lower Upper
165 100
63 0.0 40.0 60.0#
89 1.5 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: BG041282.D

Acq: 17 Jun 2019 22:13

Instrument :

BNA_G

ClientSampleId :

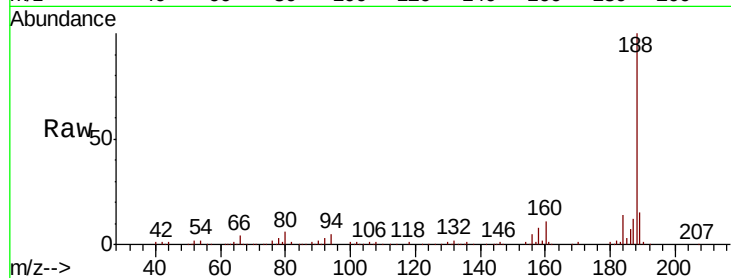
Tot Ion:188 Resp: 236709

Ion Ratio Lower Upper

188 100

94 5.0 3.6 5.4

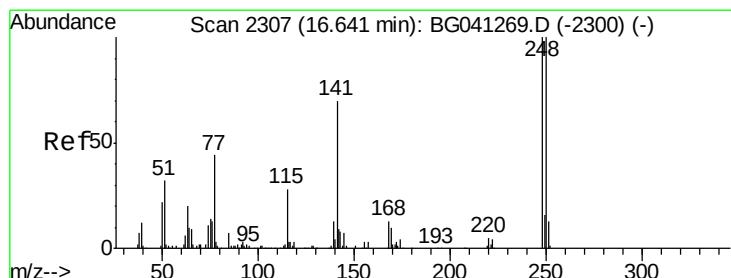
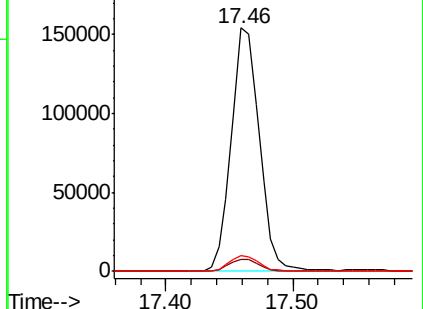
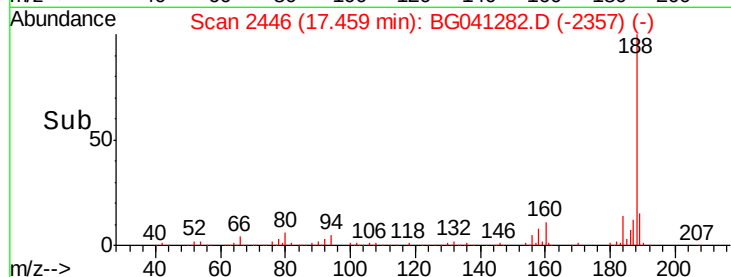
80 6.5 4.8 7.2



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: 5.566 ng

RT: 16.21 min Scan# 2233

Delta R.T. -0.43 min

Lab File: BG041282.D

Acq: 17 Jun 2019 22:13

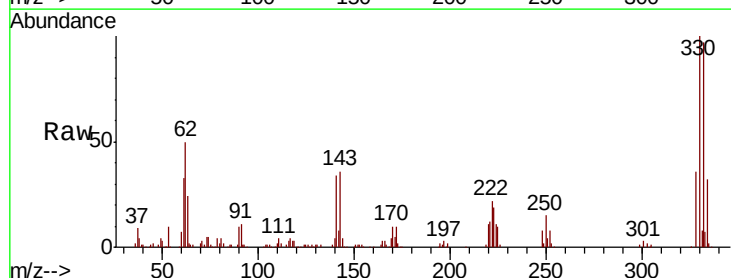
Tgt Ion:248 Resp: 17036

Ion Ratio Lower Upper

248 100

250 198.8 79.8 119.8#

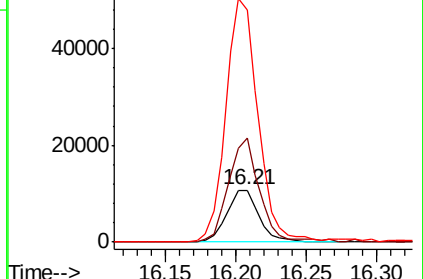
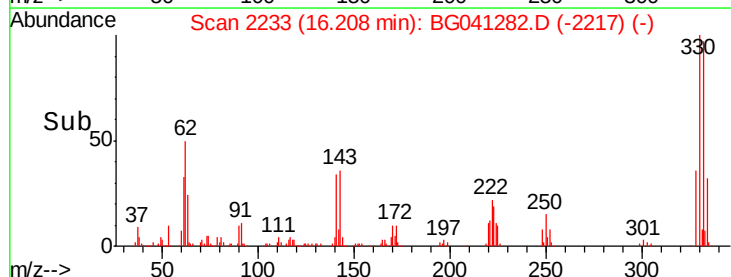
141 445.3 55.8 83.6#

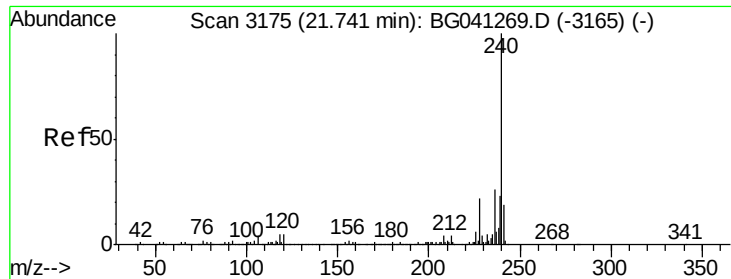


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

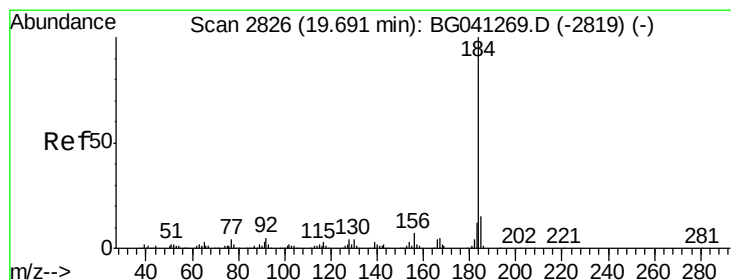
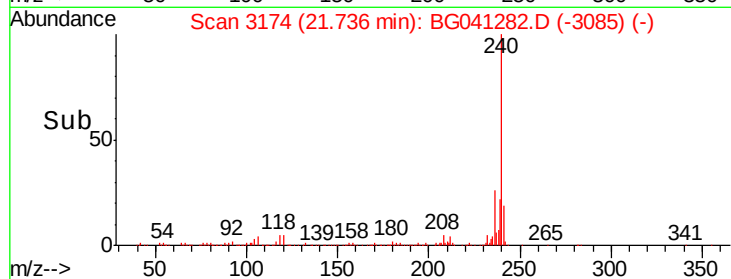
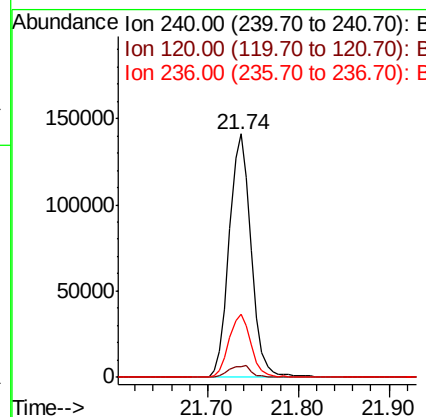
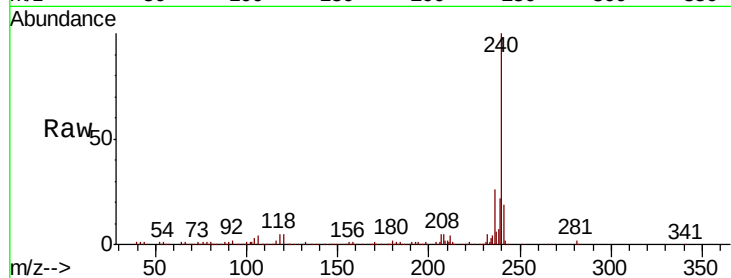




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3174
Delta R.T. -0.00 min
Lab File: BG041282.D
Acq: 17 Jun 2019 22:13

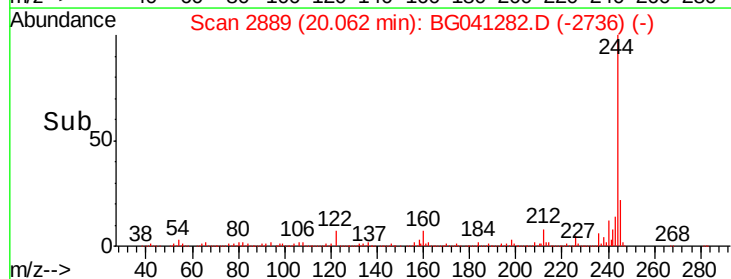
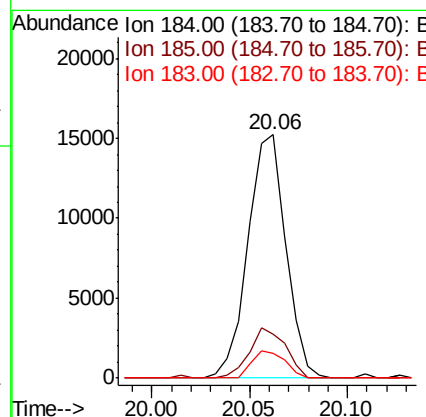
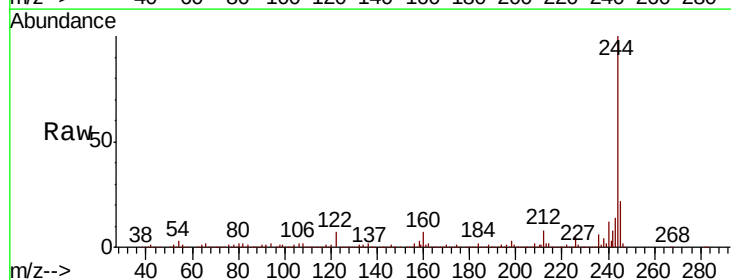
Instrument :
BNA_G
ClientSampleId :

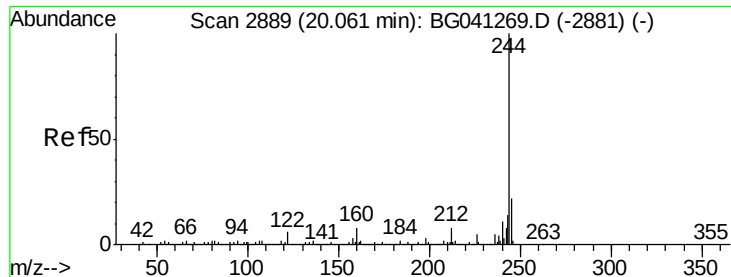
Tot Ion	Ratio	Lower	Upper
240	100		
120	4.6	3.7	5.5
236	26.0	21.1	31.7



#77
Benzidine
Concen: 3.574 ng
RT: 20.06 min Scan# 2889
Delta R.T. 0.37 min
Lab File: BG041282.D
Acq: 17 Jun 2019 22:13

Tgt Ion	Ratio	Lower	Upper
184	100		
185	18.0	12.2	18.2
183	10.0	9.6	14.4





#79

Terphenyl-d14

Concen: 102.891 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.00 min

Lab File: BG041282.D

Acq: 17 Jun 2019 22:13

Instrument :

BNA_G

ClientSampleId :

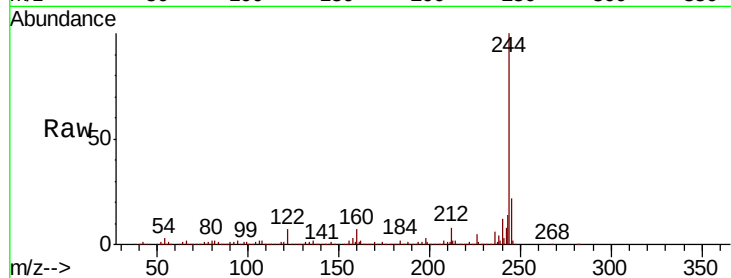
Tot Ion:244 Resp: 1230076

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.6	10.0
122	6.6	5.0	7.4

244 100

212 8.5 6.6 10.0

122 6.6 5.0 7.4

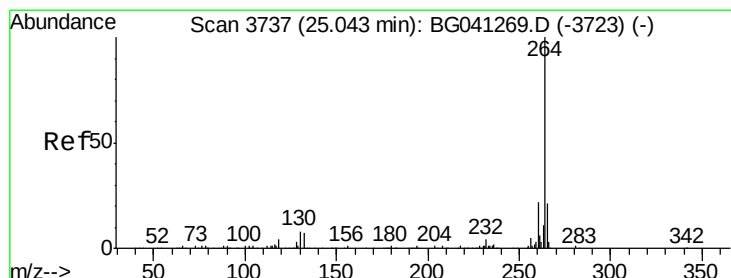
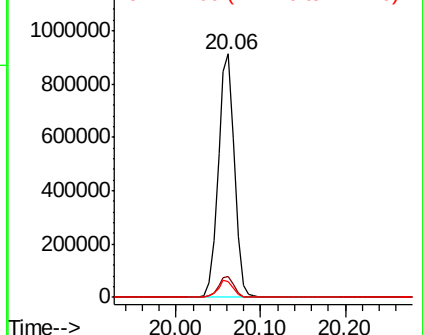
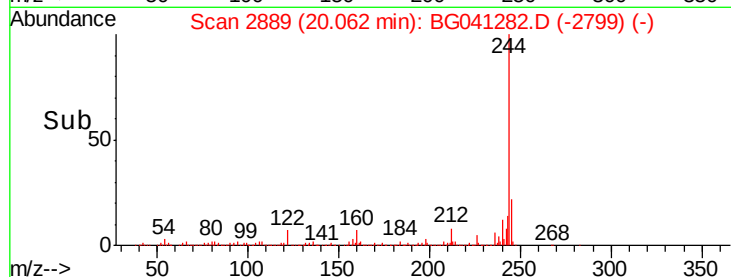


Abundance

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: BG041282.D

Acq: 17 Jun 2019 22:13

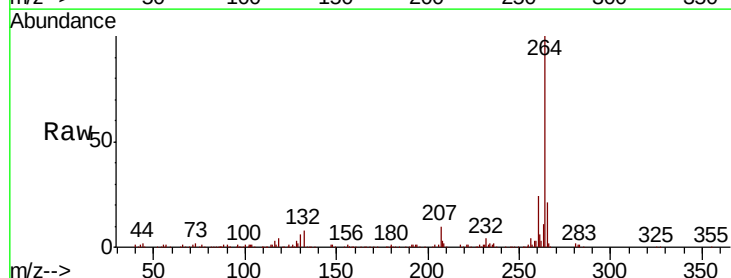
Tgt Ion:264 Resp: 250887

Ion	Ratio	Lower	Upper
264	100		
260	24.1	17.4	26.2
265	21.3	17.2	25.8

264 100

260 24.1 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

