

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
 Data File : BG041348.D
 Acq On : 20 Jun 2019 5:37
 Operator : HP/JU
 Sample : K3163-12
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 20 07:21:48 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	39310	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	149299	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	100596	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	239345	20.00	ng	0.00
76) Chrysene-d12	21.74	240	228910	20.00	ng	0.00
87) Perylene-d12	25.05	264	216483	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	264487	123.63	ng	0.00
7) Phenol-d6	7.24	99	329721	106.32	ng	0.00
23) Nitrobenzene-d5	9.26	82	324159	91.31	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	195999	126.91	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	729635	98.58	ng	0.00
79) Terphenyl-d14	20.06	244	1157258	100.19	ng	0.00

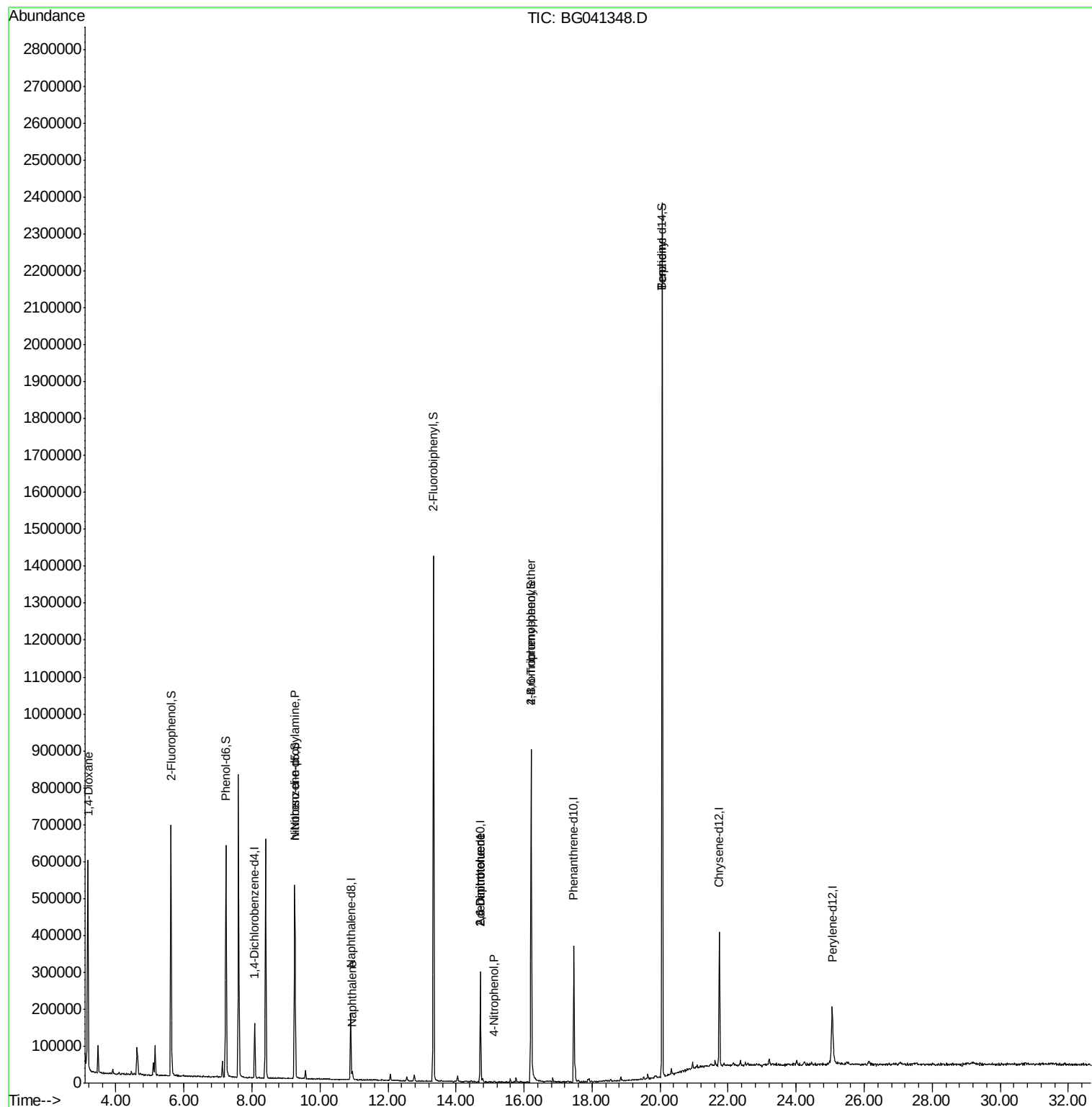
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.18	88	6067	5.655	ng	# 1
19) n-Nitroso-di-n-propylamine	9.26	70	47709	19.022	ng	# 78
31) Naphthalene	10.95	128	18654	2.299	ng	# 99
51) 2,6-Dinitrotoluene	14.72	165	12378	6.559	ng	# 19
56) 4-Nitrophenol	15.12	139	1046	3.926	ng	# 1
57) 2,4-Dinitrotoluene	14.72	165	12378	4.487	ng	# 22
67) 4-Bromophenyl-phenylether	16.21	248	14551	4.702	ng	# 1
77) Benzidine	20.06	184	19974	3.607	ng	# 95

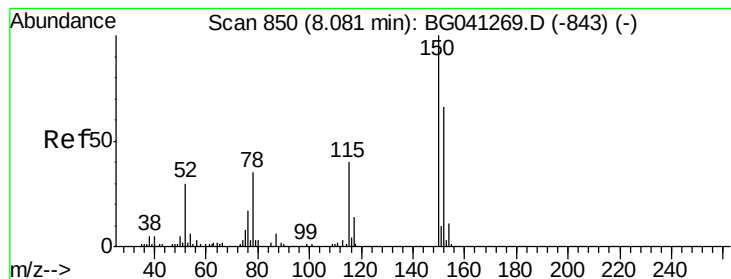
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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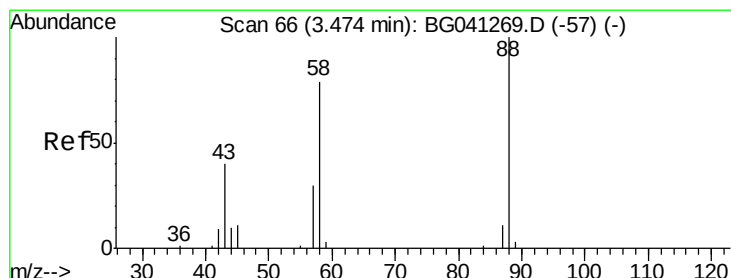
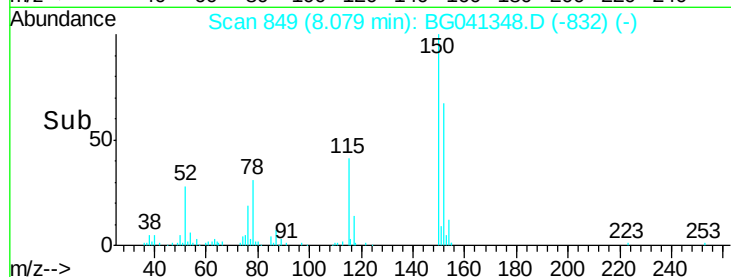
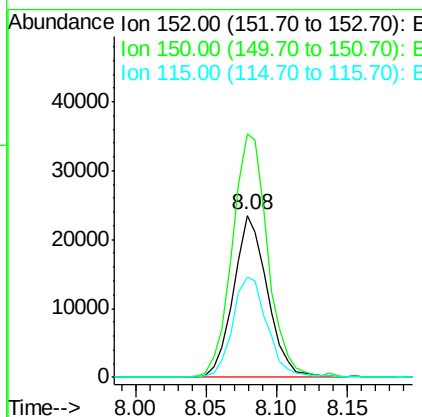
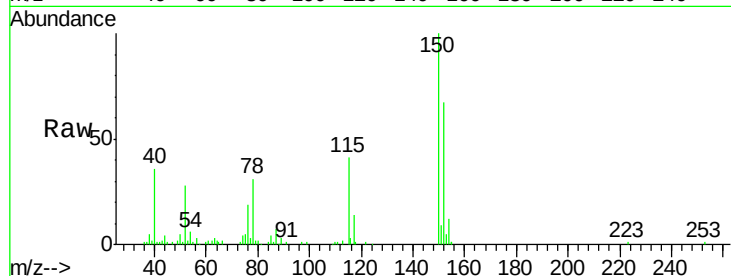


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 849
Delta R.T. -0.00 min
Lab File: BG041348.D
Acq: 20 Jun 2019 5:37

Instrument :
BNA_G
ClientSampled :

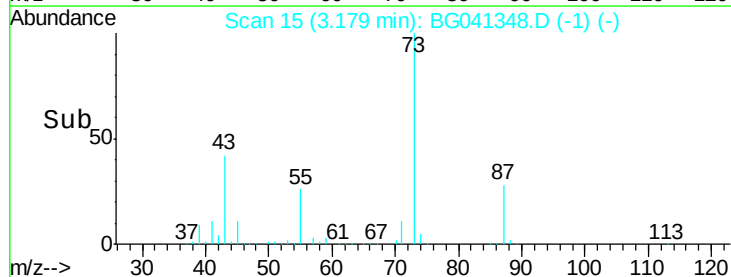
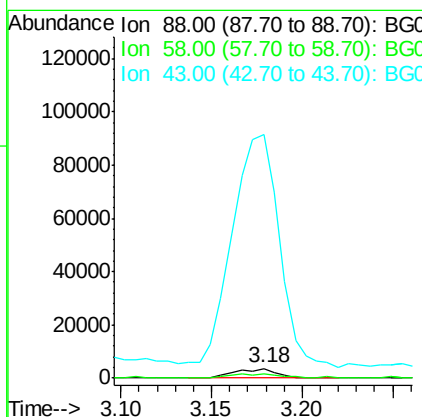
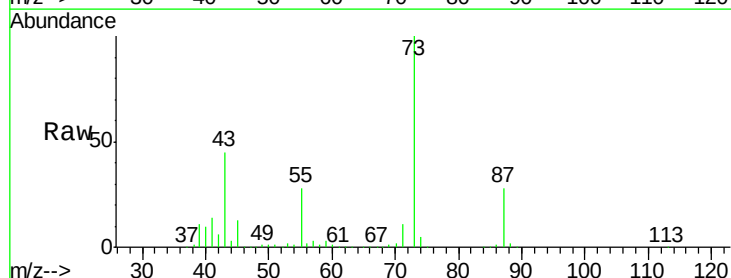
Tot Ion:152 Resp: 39310
Ion Ratio Lower Upper
152 100
150 150.3 120.6 181.0
115 61.7 47.9 71.9

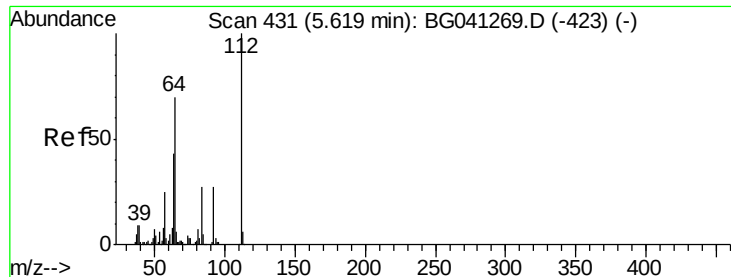


#2

1,4-Dioxane
Concen: 5.655 ng
RT: 3.18 min Scan# 15
Delta R.T. -0.30 min
Lab File: BG041348.D
Acq: 20 Jun 2019 5:37

Tgt Ion: 88 Resp: 6067
Ion Ratio Lower Upper
88 100
58 41.7 59.7 89.5#
43 2606.1 31.9 47.9#





#5

2-Fluorophenol

Concen: 123.626 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.00 min

Lab File: BG041348.D

Acq: 20 Jun 2019 5:37

Instrument :

BNA_G

ClientSampleId :

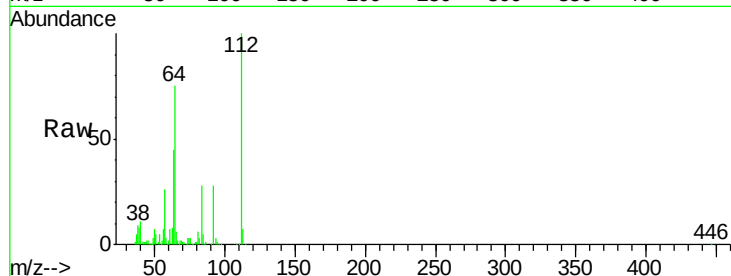
Tot Ion:112 Resp: 264487

Ion Ratio Lower Upper

112 100

64 74.8 55.9 83.9

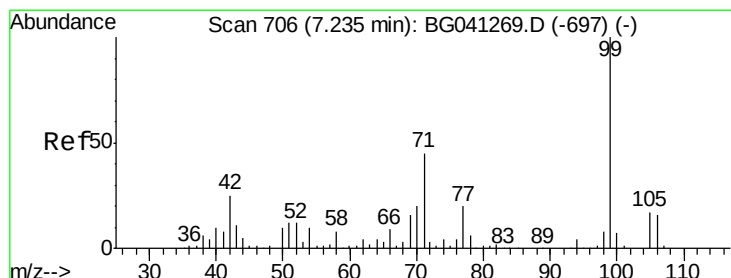
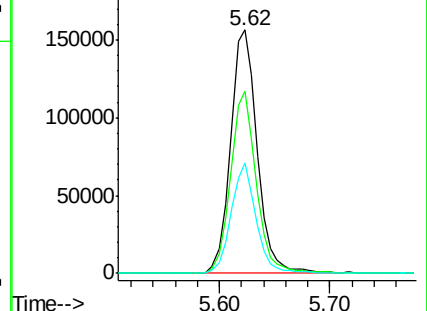
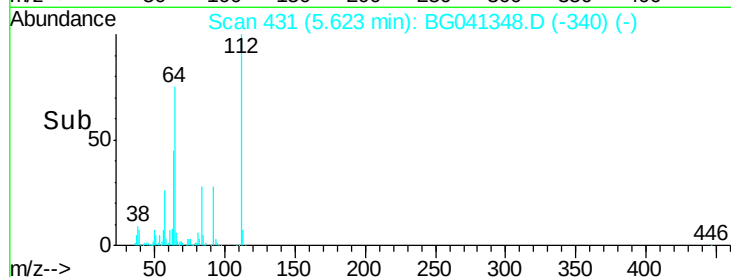
63 45.4 34.6 51.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#7

Phenol-d6

Concen: 106.324 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG041348.D

Acq: 20 Jun 2019 5:37

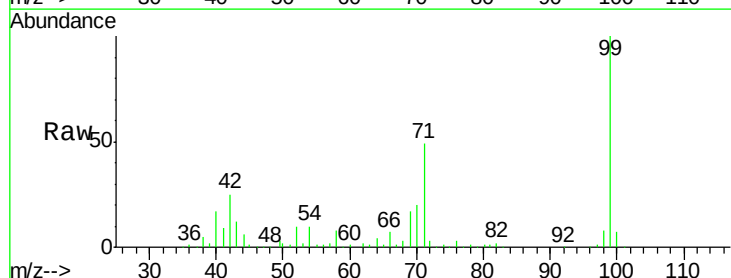
Tgt Ion: 99 Resp: 329721

Ion Ratio Lower Upper

99 100

42 25.2 19.9 29.9

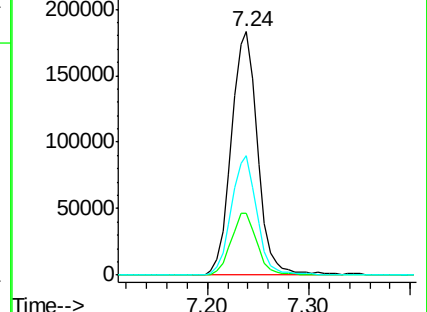
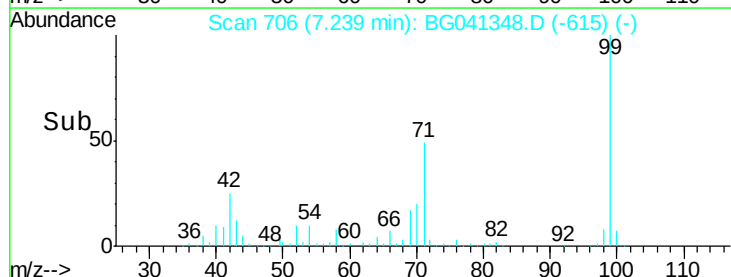
71 49.2 36.4 54.6

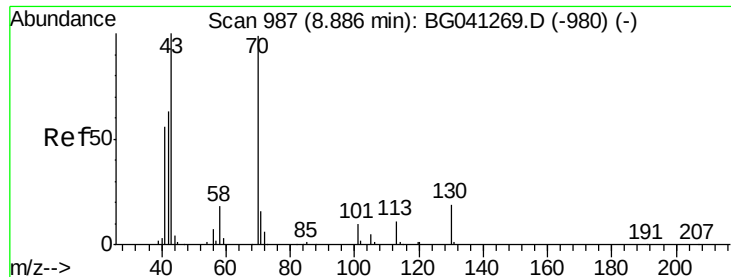


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B

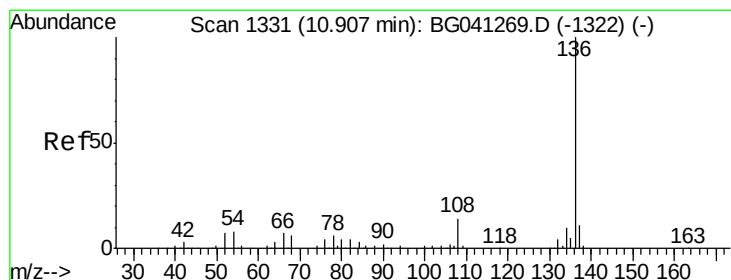
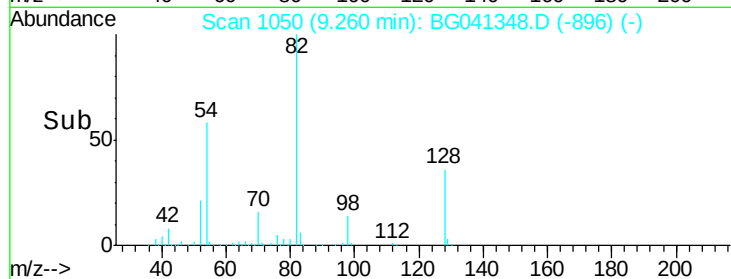
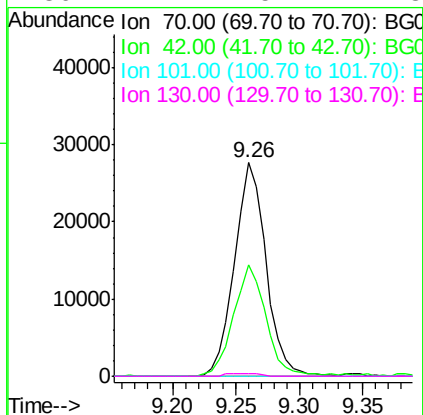
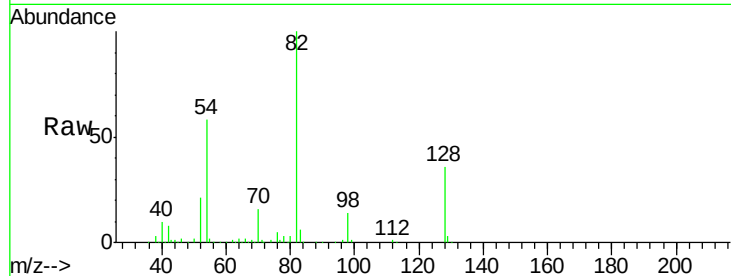




#19
n-Nitroso-di-n-propylamine
Concen: 19.022 ng
RT: 9.26 min Scan# 1050
Delta R.T. 0.37 min
Lab File: BG041348.D
Acq: 20 Jun 2019 5:37

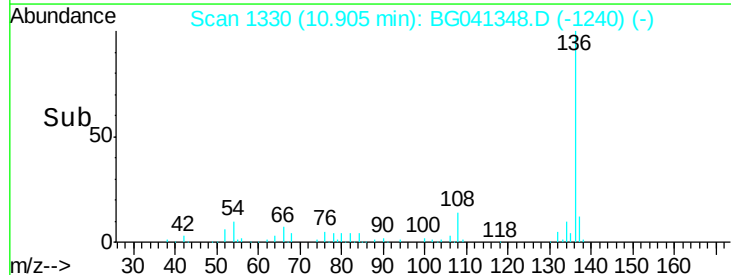
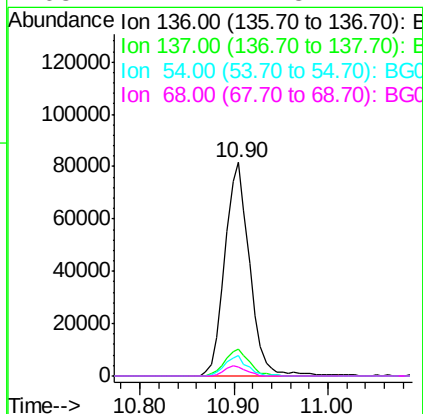
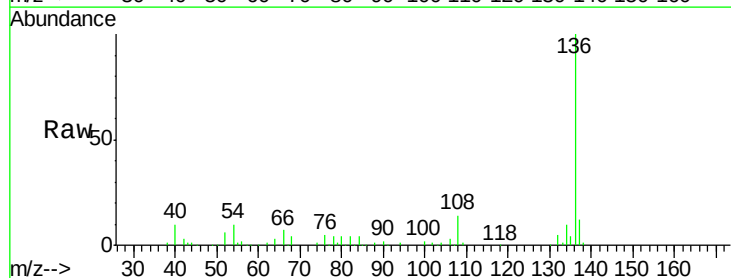
Instrument :
BNA_G
ClientSampleId :

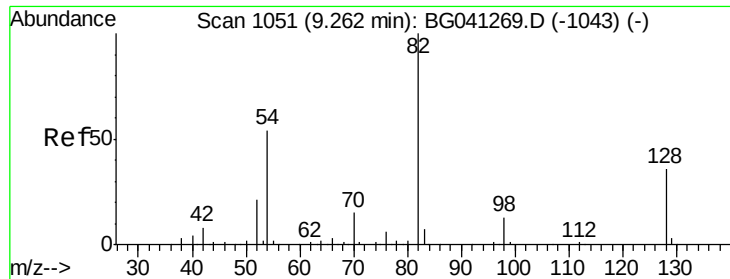
Tot Ion: 70 Resp: 47709
Ion Ratio Lower Upper
70 100
42 52.2 51.4 77.2
101 0.0 8.2 12.2#
130 1.4 15.2 22.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BG041348.D
Acq: 20 Jun 2019 5:37

Tgt Ion: 136 Resp: 149299
Ion Ratio Lower Upper
136 100
137 12.5 8.8 13.2
54 9.6 6.4 9.6
68 4.4 4.8 7.2#

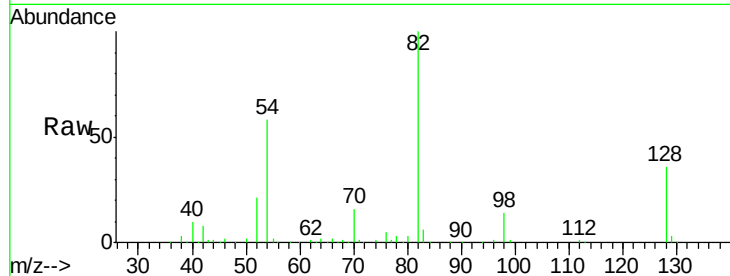




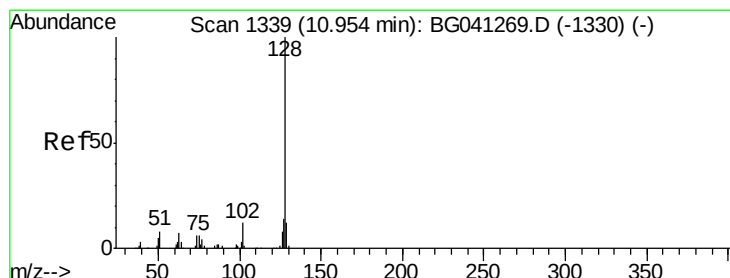
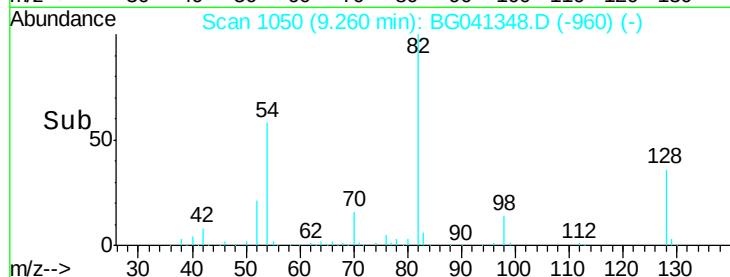
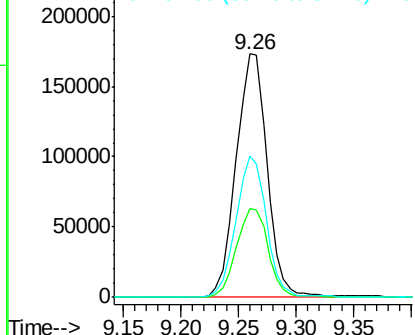
#23
Nitrobenzene-d5
Concen: 91.313 ng
RT: 9.26 min Scan# 1050
Delta R.T. -0.00 min
Lab File: BG041348.D
Acq: 20 Jun 2019 5:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.4	29.2	43.8
54	58.0	43.4	65.0

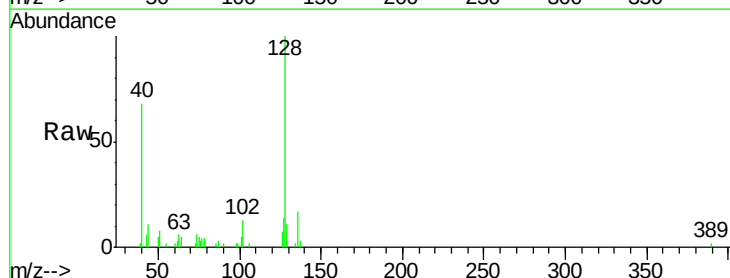


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

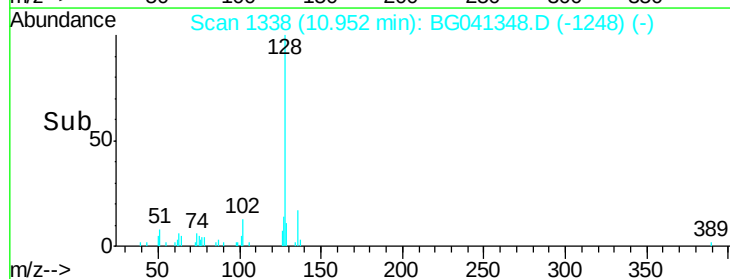
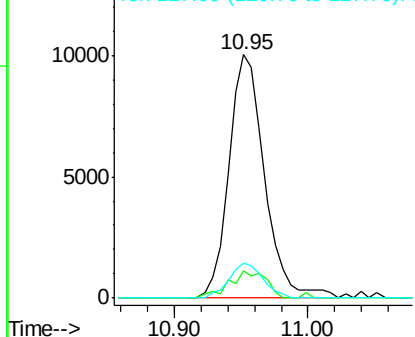


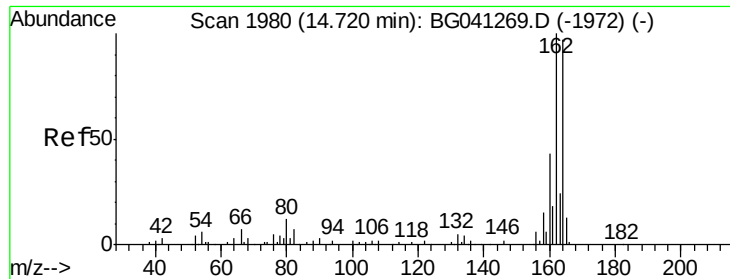
#31
Naphthalene
Concen: 2.299 ng
RT: 10.95 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BG041348.D
Acq: 20 Jun 2019 5:37

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.4	14.0
127	14.3	11.2	16.8



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BG041348.D

Acq: 20 Jun 2019 5:37

Instrument :

BNA_G

ClientSampleId :

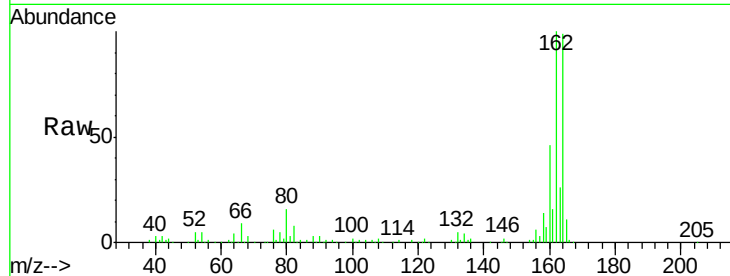
Tot Ion:164 Resp: 100596

Ion Ratio Lower Upper

164 100

162 101.1 82.8 124.2

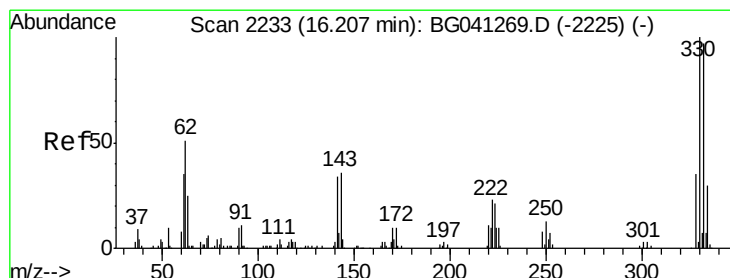
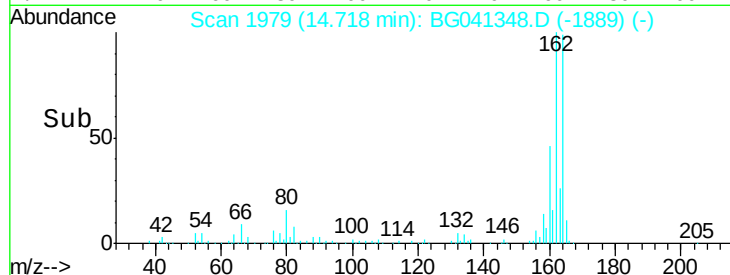
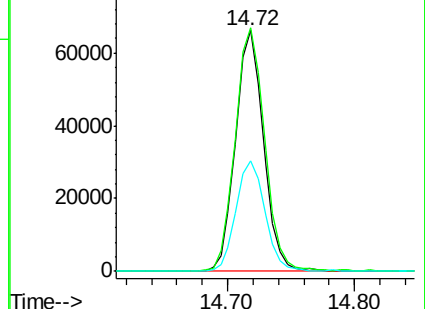
160 46.1 35.8 53.8



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: 126.912 ng

RT: 16.21 min Scan# 2233

Delta R.T. 0.00 min

Lab File: BG041348.D

Acq: 20 Jun 2019 5:37

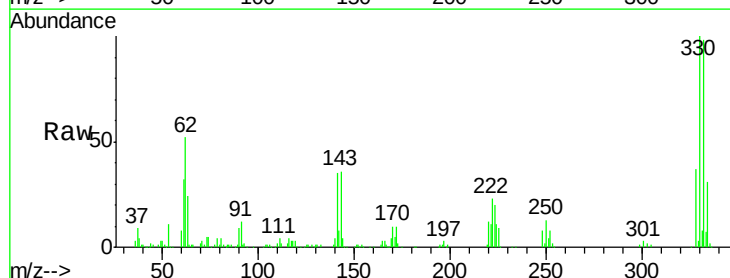
Tgt Ion:330 Resp: 195999

Ion Ratio Lower Upper

330 100

332 96.6 75.5 113.3

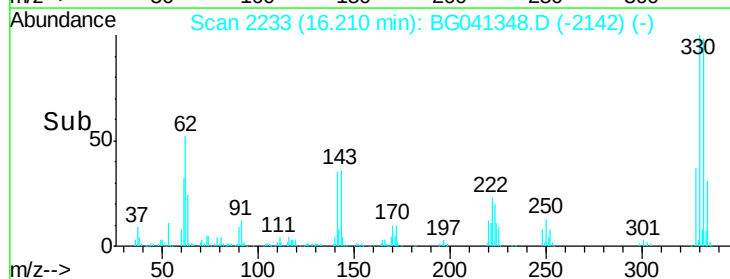
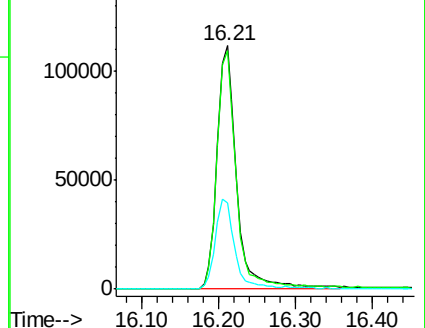
141 36.9 29.0 43.4

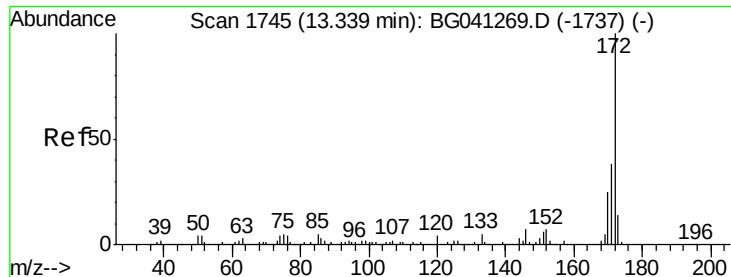


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

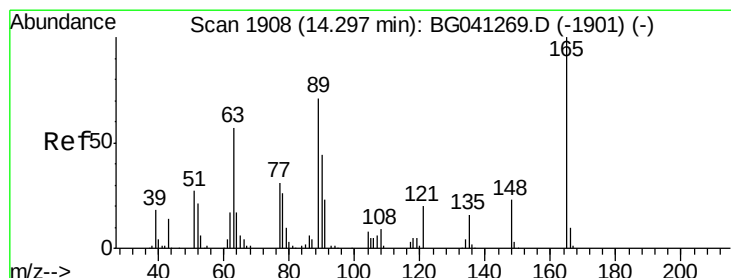
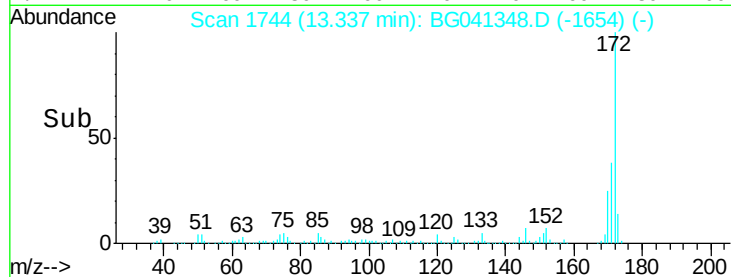
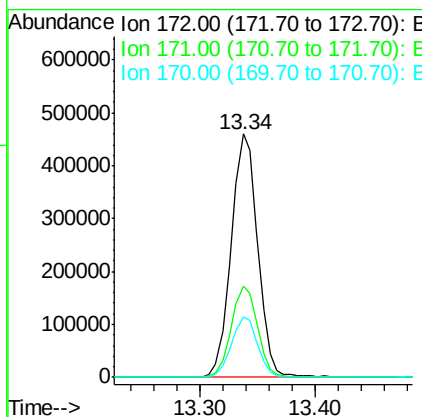
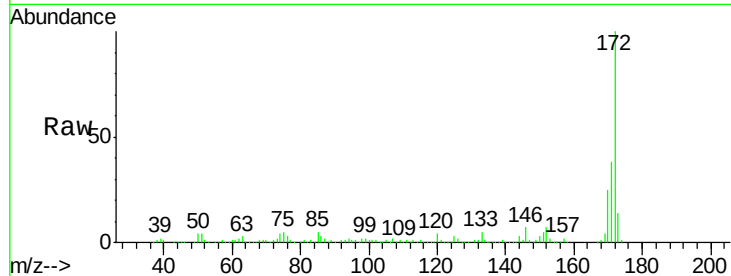




#45
2-Fluorobiphenyl
Concen: 98.581 ng
RT: 13.34 min Scan# 1744
Delta R.T. -0.00 min
Lab File: BG041348.D
Acq: 20 Jun 2019 5:37

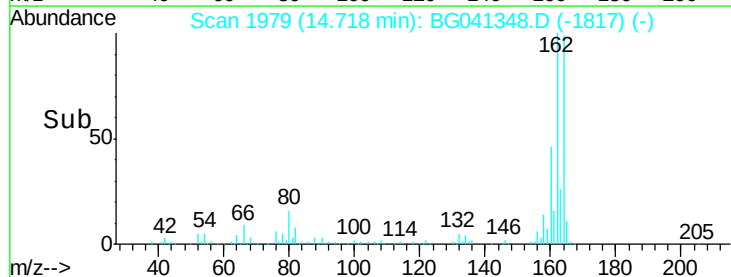
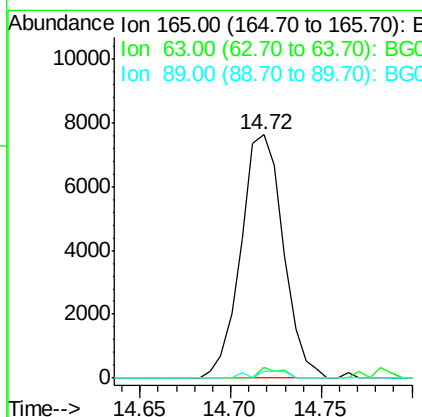
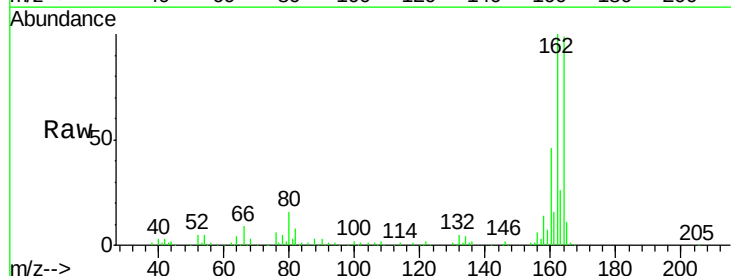
Instrument :
BNA_G
ClientSampleId :

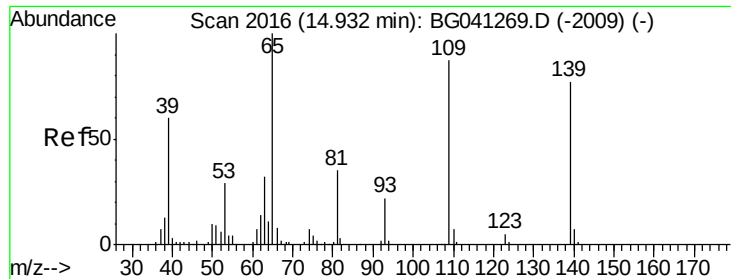
Tot Ion:172 Resp: 729635
Ion Ratio Lower Upper
172 100
171 37.5 30.0 45.0
170 24.9 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 6.559 ng
RT: 14.72 min Scan# 1979
Delta R.T. 0.42 min
Lab File: BG041348.D
Acq: 20 Jun 2019 5:37

Tgt Ion:165 Resp: 12378
Ion Ratio Lower Upper
165 100
63 4.1 55.4 83.0#
89 3.0 56.5 84.7#

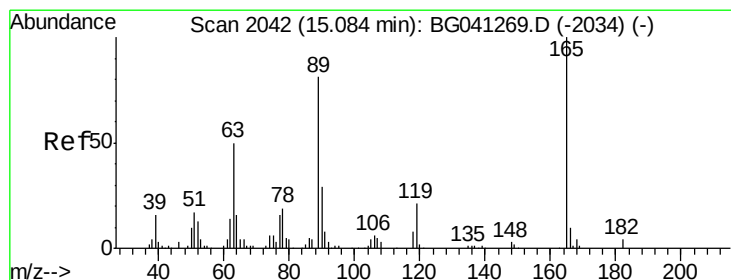
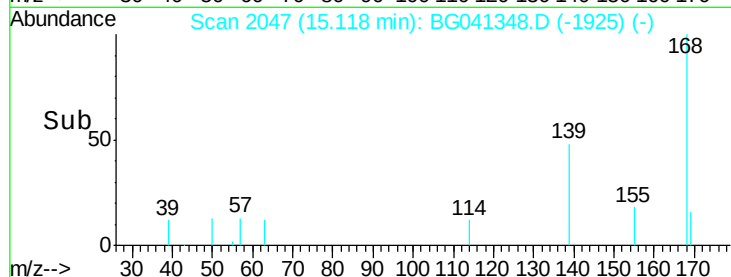
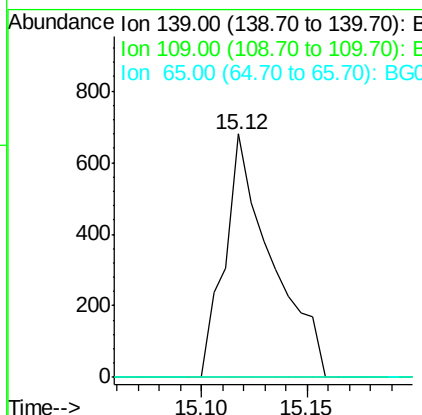
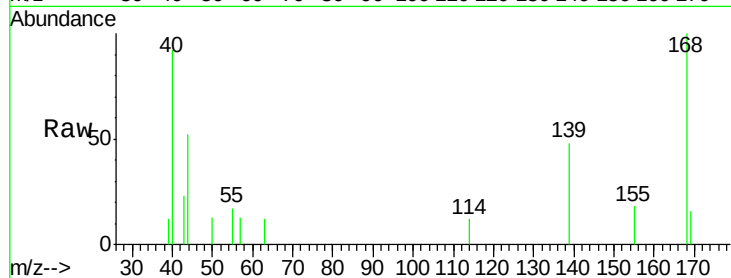




#56
4-Nitrophenol
Concen: 3.926 ng
RT: 15.12 min Scan# 2047
Delta R.T. 0.19 min
Lab File: BG041348.D
Acq: 20 Jun 2019 5:37

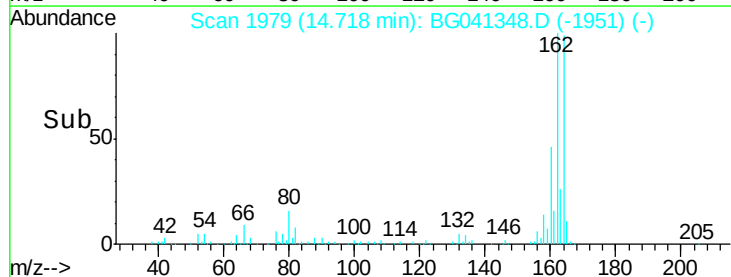
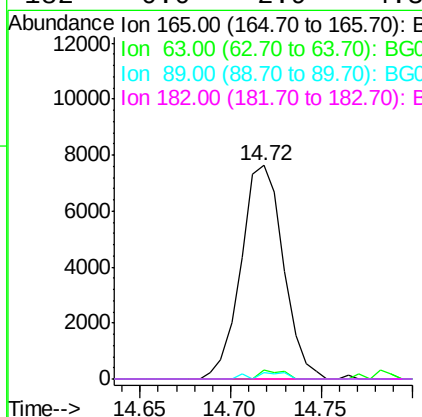
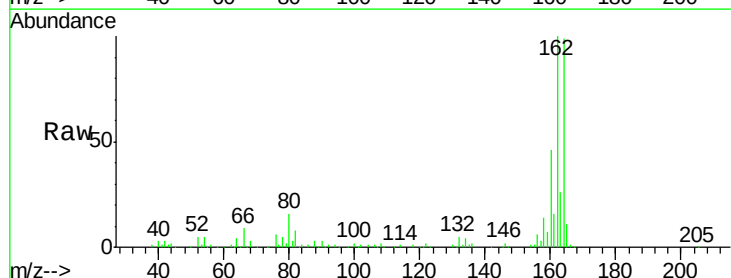
Instrument :
BNA_G
ClientSampleId :

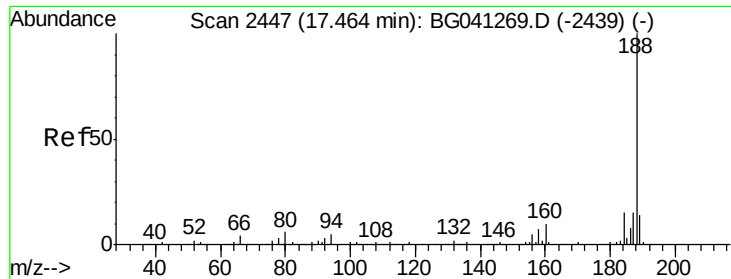
Tot Ion:139 Resp: 1046
Ion Ratio Lower Upper
139 100
109 0.0 93.2 133.2#
65 0.0 110.2 150.2#



#57
2,4-Dinitrotoluene
Concen: 4.487 ng
RT: 14.72 min Scan# 1979
Delta R.T. -0.37 min
Lab File: BG041348.D
Acq: 20 Jun 2019 5:37

Tgt Ion:165 Resp: 12378
Ion Ratio Lower Upper
165 100
63 4.1 40.0 60.0#
89 3.0 64.6 96.8#
182 0.0 2.9 4.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.46 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BG041348.D

Acq: 20 Jun 2019 5:37

Instrument :

BNA_G

ClientSampleId :

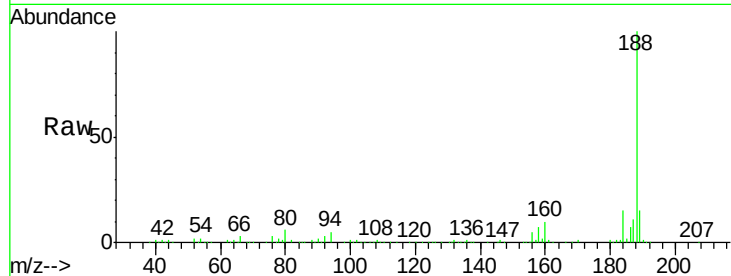
Tot Ion:188 Resp: 239345

Ion Ratio Lower Upper

188 100

94 5.2 3.6 5.4

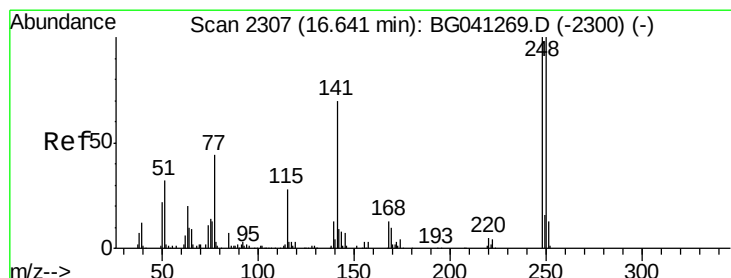
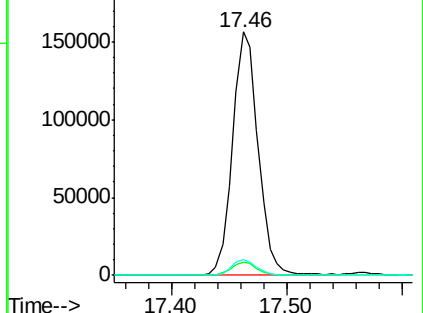
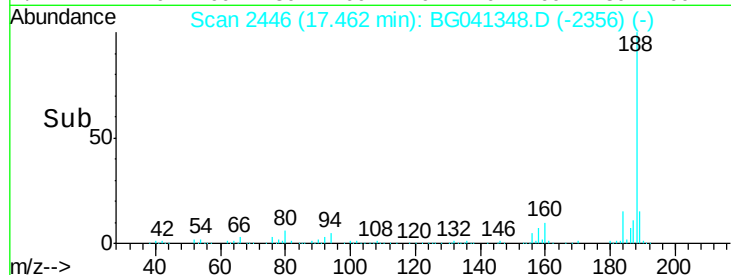
80 6.5 4.8 7.2



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: 4.702 ng

RT: 16.21 min Scan# 2233

Delta R.T. -0.43 min

Lab File: BG041348.D

Acq: 20 Jun 2019 5:37

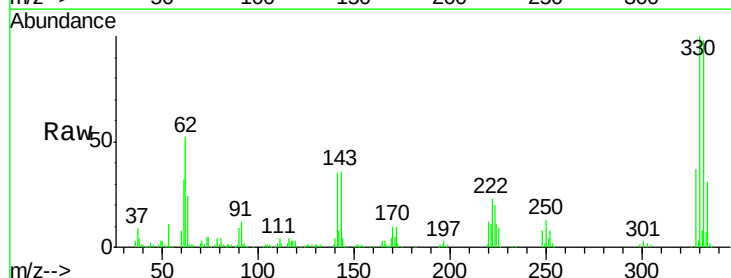
Tgt Ion:248 Resp: 14551

Ion Ratio Lower Upper

248 100

250 177.5 79.8 119.8#

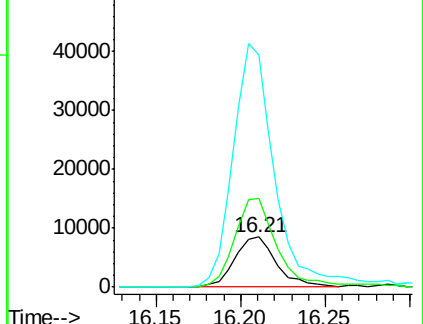
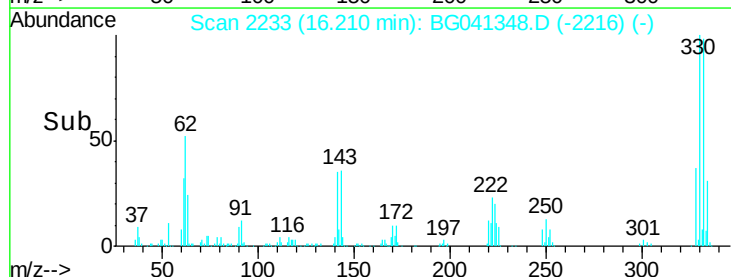
141 464.5 55.8 83.6#

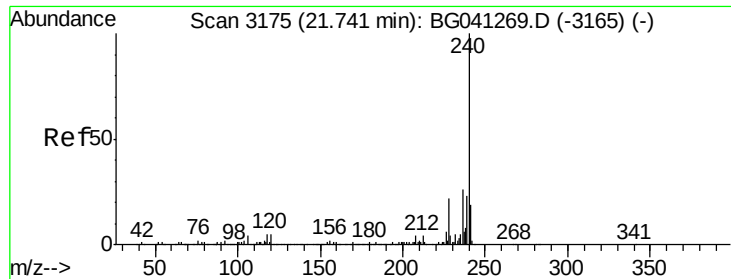


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG041348.D

Acq: 20 Jun 2019 5:37

Instrument :

BNA_G

ClientSampleId :

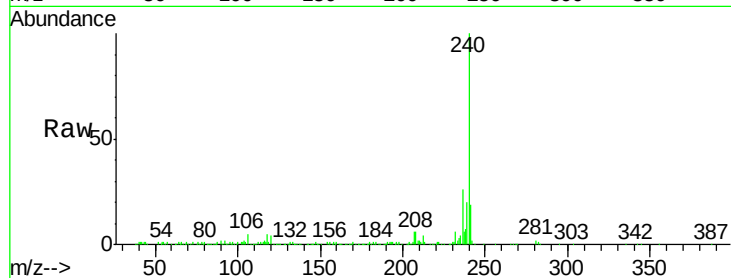
Tot Ion:240 Resp: 228910

Ion Ratio Lower Upper

240 100

120 4.2 3.7 5.5

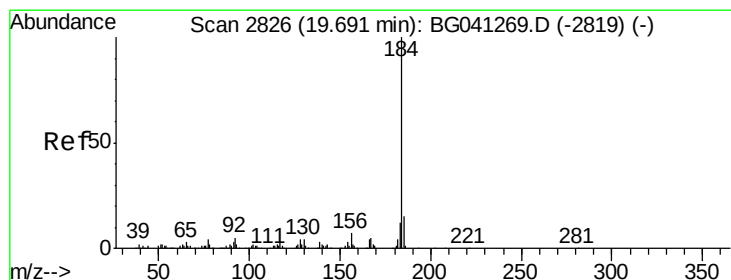
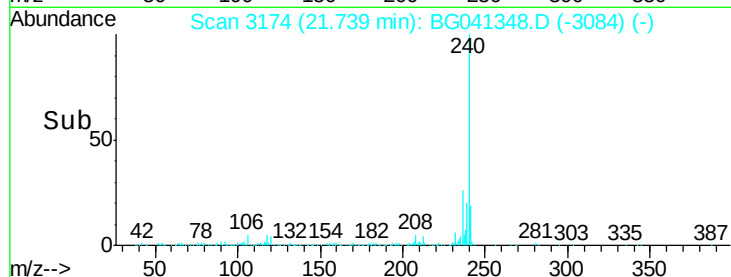
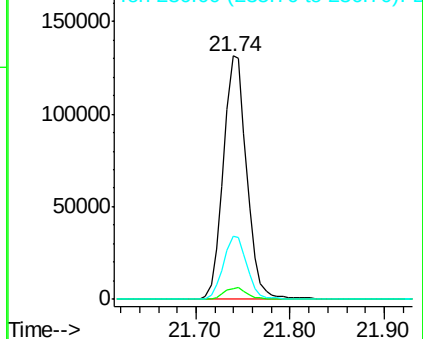
236 25.7 21.1 31.7



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: 3.607 ng

RT: 20.06 min Scan# 2888

Delta R.T. 0.37 min

Lab File: BG041348.D

Acq: 20 Jun 2019 5:37

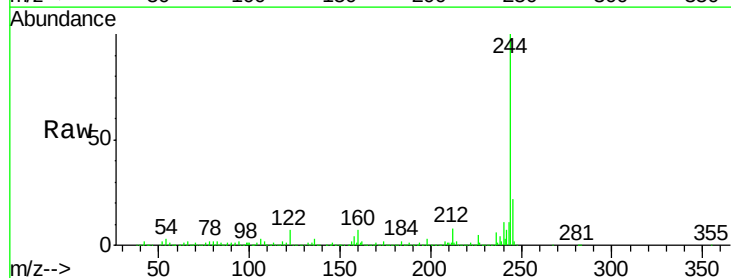
Tgt Ion:184 Resp: 19974

Ion Ratio Lower Upper

184 100

185 17.4 12.2 18.2

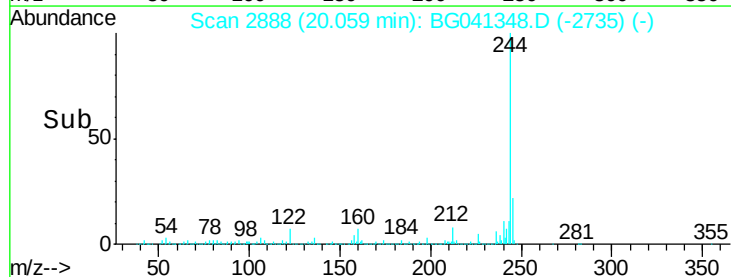
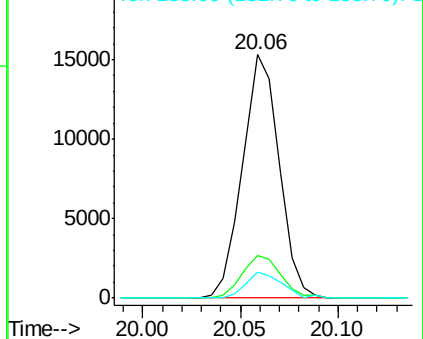
183 10.5 9.6 14.4

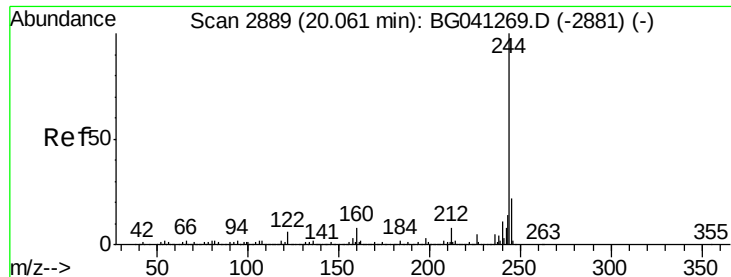


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 100.190 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.00 min

Lab File: BG041348.D

Acq: 20 Jun 2019 5:37

Instrument :

BNA_G

ClientSampleId :

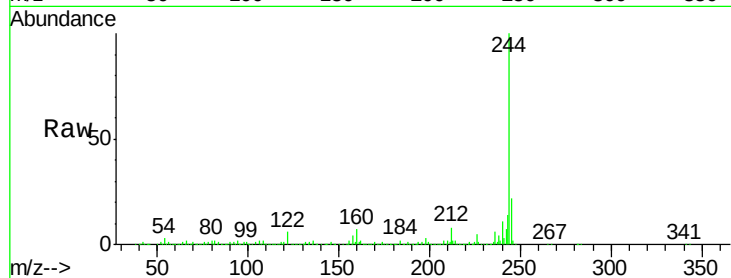
Tot Ion:244 Resp: 1157258

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.6	10.0
122	6.3	5.0	7.4

244 100

212 8.3 6.6 10.0

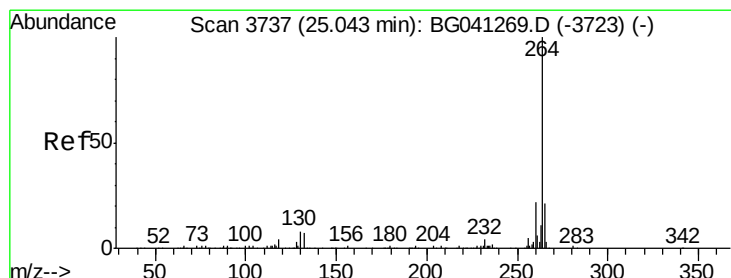
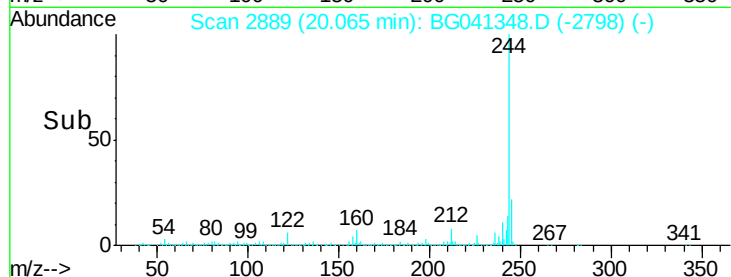
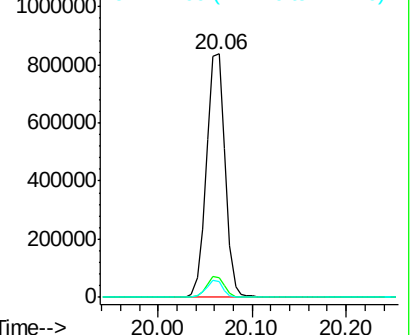
122 6.3 5.0 7.4



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: 25.05 min Scan# 3738

Delta R.T. 0.01 min

Lab File: BG041348.D

Acq: 20 Jun 2019 5:37

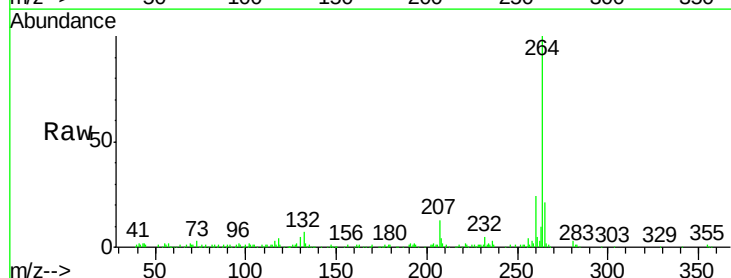
Tgt Ion:264 Resp: 216483

Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.2
265	21.3	17.2	25.8

264 100

260 23.7 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

