

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
 Data File : BG041345.D
 Acq On : 20 Jun 2019 3:43
 Operator : HP/JU
 Sample : K3421-08
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 20 05:02:31 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	40482	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	150516	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	104670	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	255361	20.00	ng	0.00
76) Chrysene-d12	21.74	240	240880	20.00	ng	0.00
87) Perylene-d12	25.06	264	233446	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	280868	127.48	ng	0.00
7) Phenol-d6	7.24	99	359919	112.70	ng	0.00
23) Nitrobenzene-d5	9.26	82	337296	94.25	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	213949	133.14	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	754218	97.94	ng	0.00
79) Terphenyl-d14	20.06	244	1209581	99.52	ng	0.00

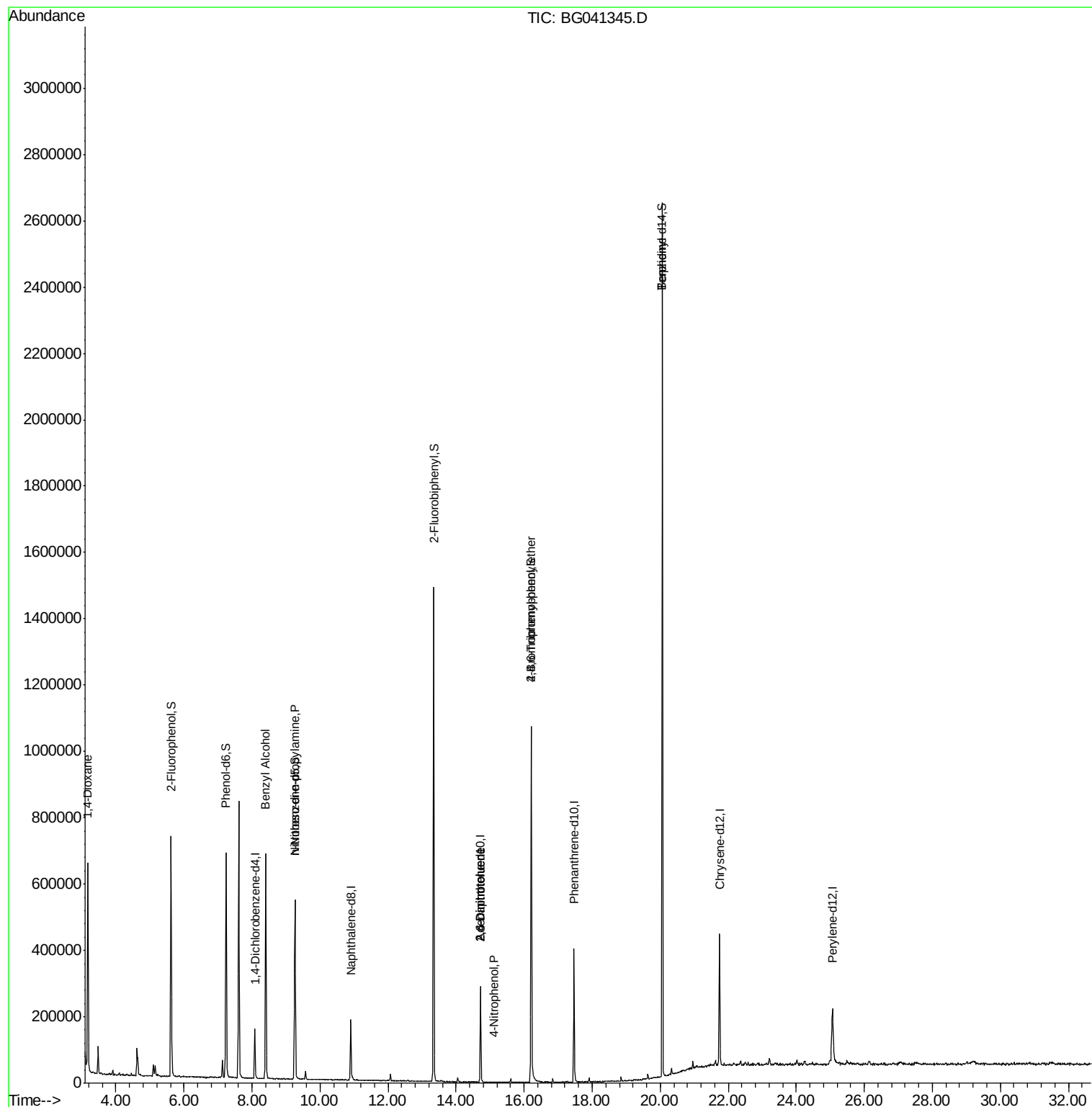
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.17	88	7719	6.987	ng	# 1
15) Benzyl Alcohol	8.40	79	6299	2.059	ng	# 76
19) n-Nitroso-di-n-propylamine	9.26	70	48085	18.616	ng	# 83
51) 2,6-Dinitrotoluene	14.71	165	13630	6.941	ng	# 16
56) 4-Nitrophenol	15.11	139	63	3.257	ng	# 1
57) 2,4-Dinitrotoluene	14.71	165	13630	4.748	ng	# 19
67) 4-Bromophenyl-phenylether	16.21	248	15782	4.780	ng	# 1
77) Benzidine	20.06	184	20687	3.551	ng	98

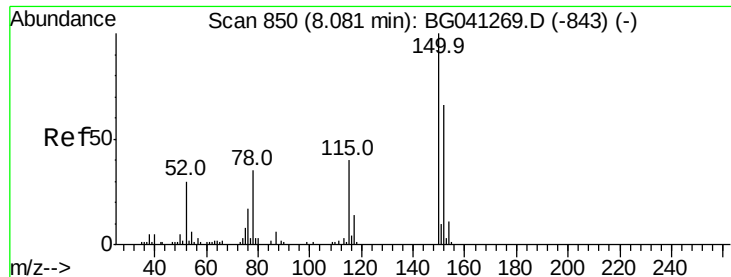
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
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QLast Update : Mon Jun 17 14:58:02 2019
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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: BG041345.D

Acq: 20 Jun 2019 3:43

Instrument :

BNA_G

ClientSampleId :

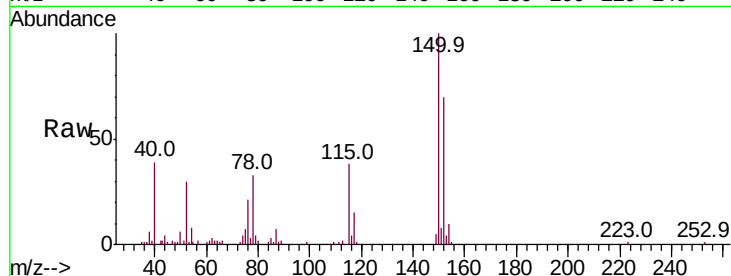
Tot Ion:152 Resp: 40482

Ion Ratio Lower Upper

152 100

150 142.0 120.6 181.0

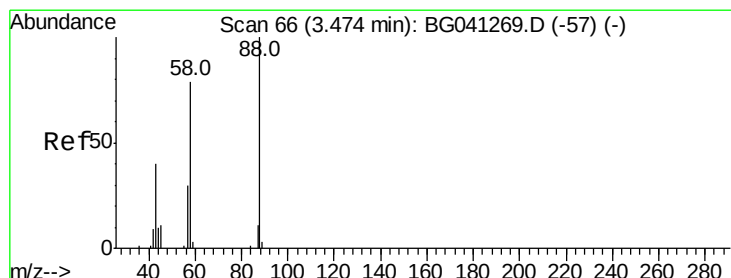
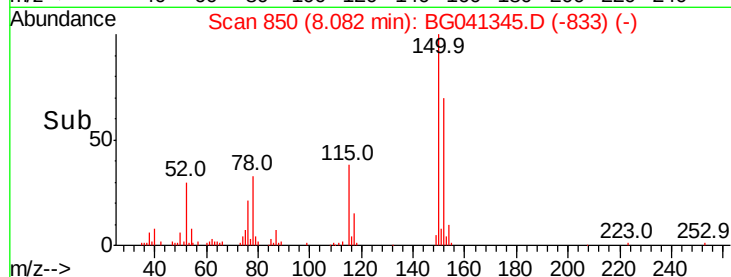
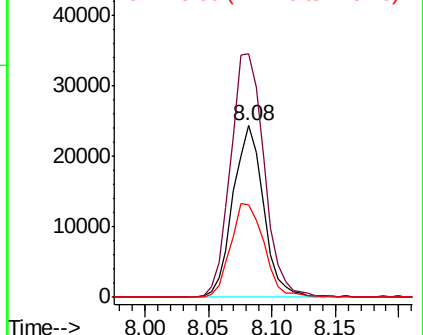
115 54.2 47.9 71.9



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



#2

1,4-Dioxane

Concen: 6.987 ng

RT: 3.17 min Scan# 14

Delta R.T. -0.30 min

Lab File: BG041345.D

Acq: 20 Jun 2019 3:43

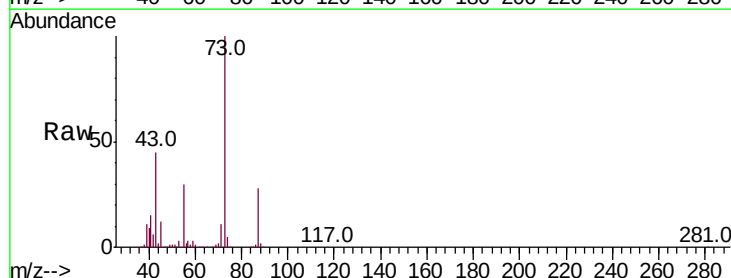
Tgt Ion: 88 Resp: 7719

Ion Ratio Lower Upper

88 100

58 45.1 59.7 89.5#

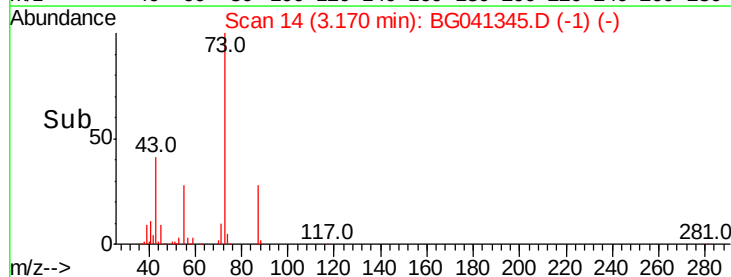
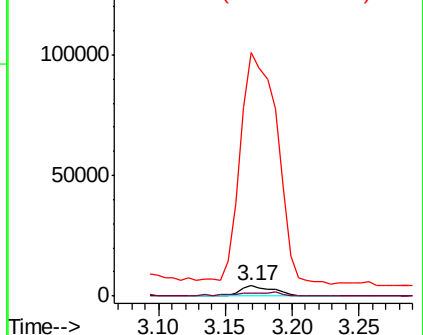
43 2366.3 31.9 47.9#

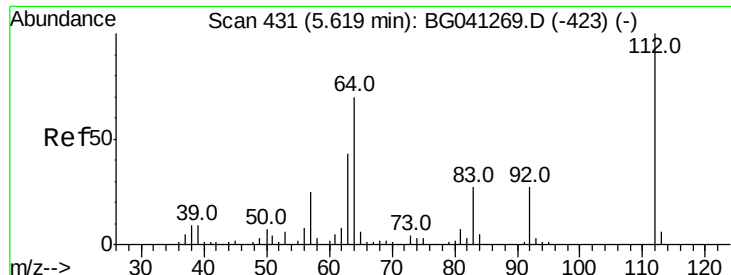


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 127.482 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.00 min

Lab File: BG041345.D

Acq: 20 Jun 2019 3:43

Instrument :

BNA_G

ClientSampled :

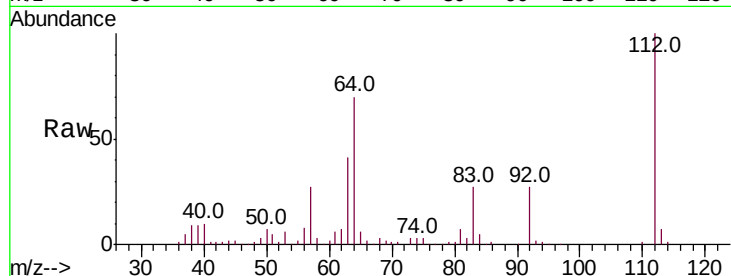
Tot Ion:112 Resp: 280868

Ion Ratio Lower Upper

112 100

64 70.4 55.9 83.9

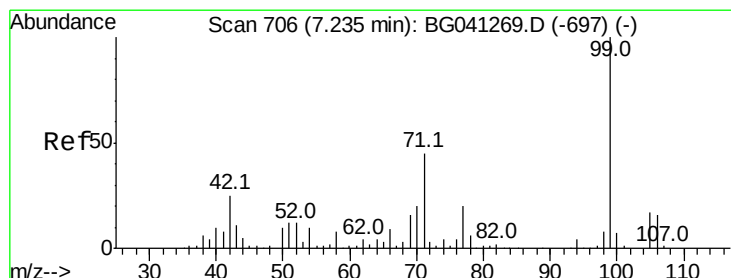
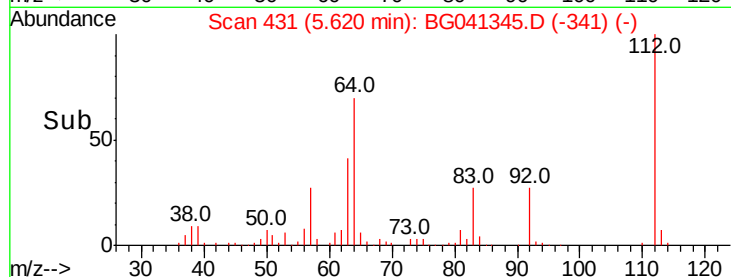
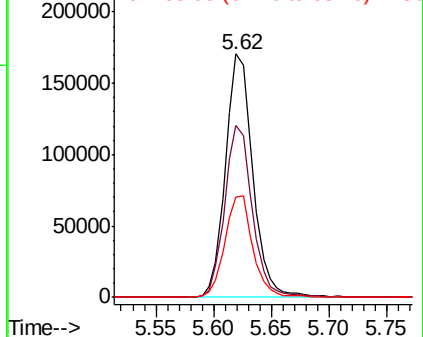
63 41.1 34.6 51.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 112.701 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG041345.D

Acq: 20 Jun 2019 3:43

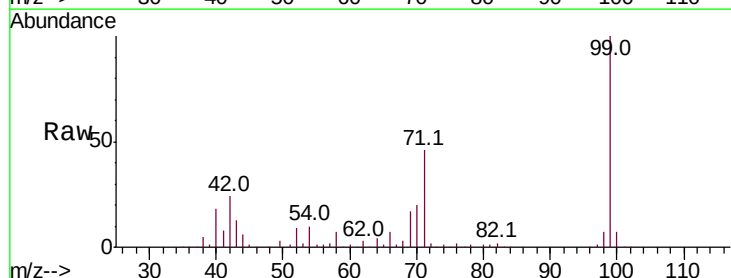
Tgt Ion: 99 Resp: 359919

Ion Ratio Lower Upper

99 100

42 23.7 19.9 29.9

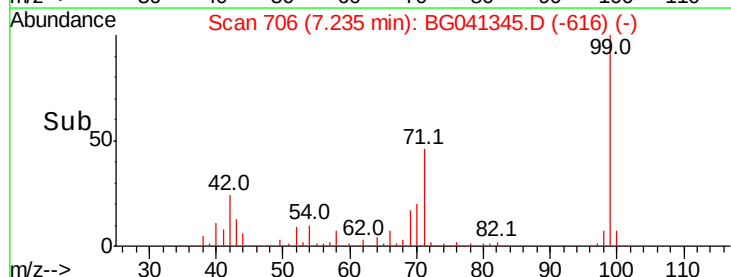
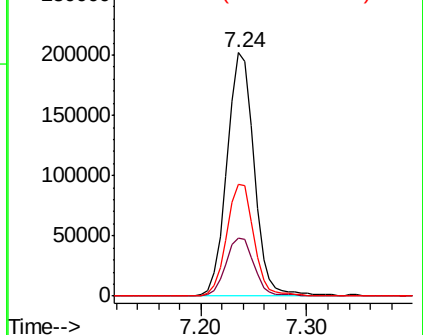
71 45.9 36.4 54.6

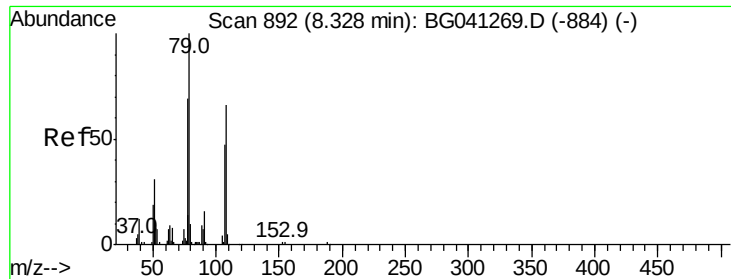


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.059 ng

RT: 8.40 min Scan# 904

Delta R.T. 0.07 min

Lab File: BG041345.D

Acq: 20 Jun 2019 3:43

Instrument :

BNA_G

ClientSampled :

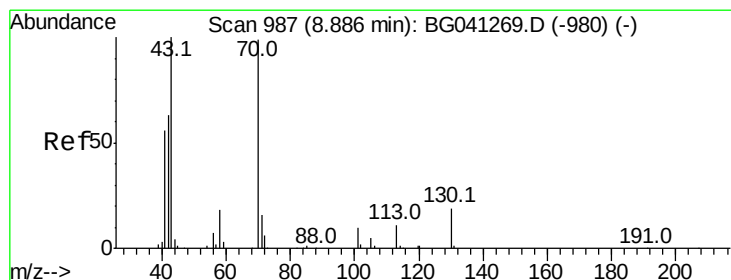
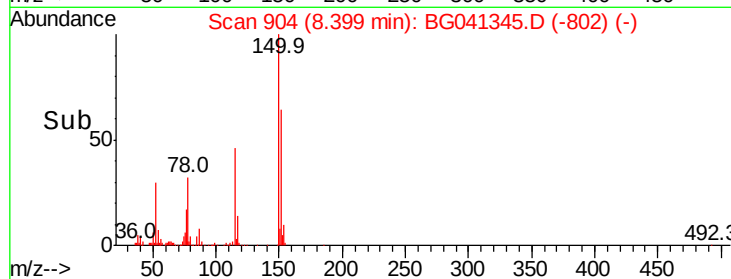
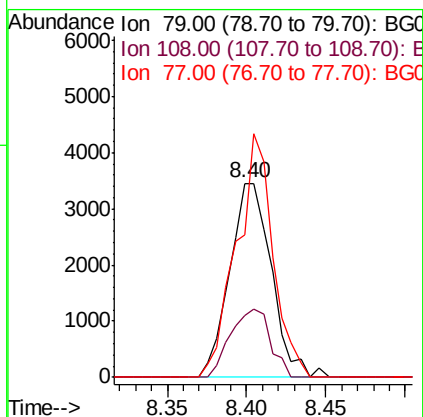
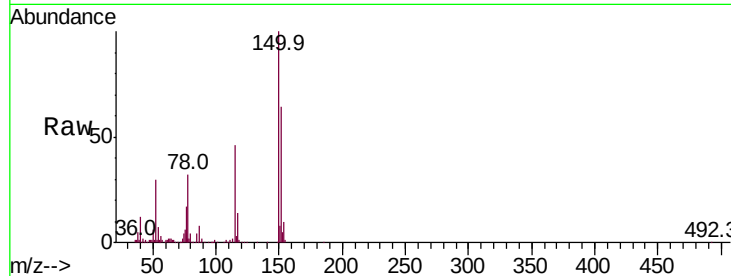
Tot Ion: 79 Resp: 6299

Ion Ratio Lower Upper

79 100

108 31.6 52.7 79.1#

77 73.7 55.2 82.8



#19

n-Nitroso-di-n-propylamine

Concen: 18.616 ng

RT: 9.26 min Scan# 1051

Delta R.T. 0.38 min

Lab File: BG041345.D

Acq: 20 Jun 2019 3:43

Tgt Ion: 70 Resp: 48085

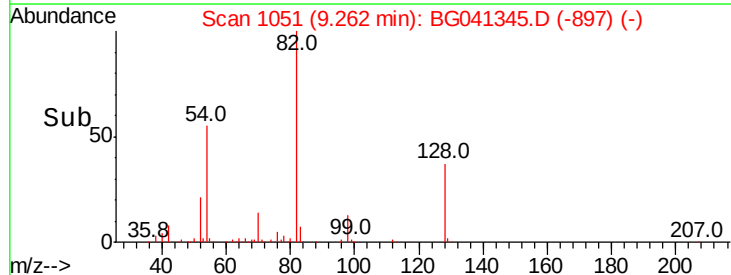
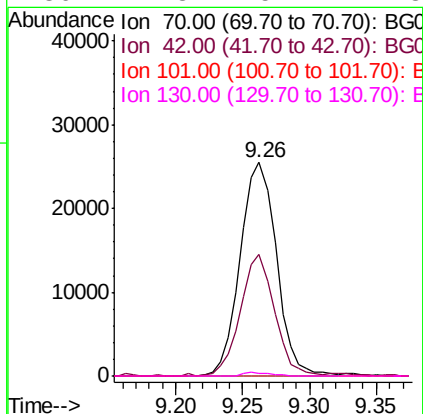
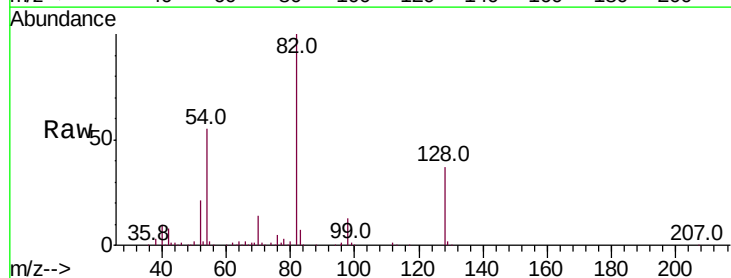
Ion Ratio Lower Upper

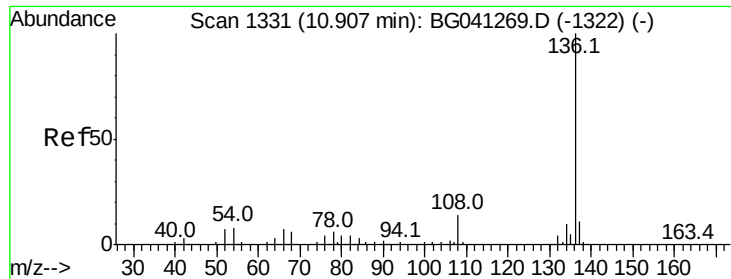
70 100

42 57.2 51.4 77.2

101 0.0 8.2 12.2#

130 1.3 15.2 22.8#

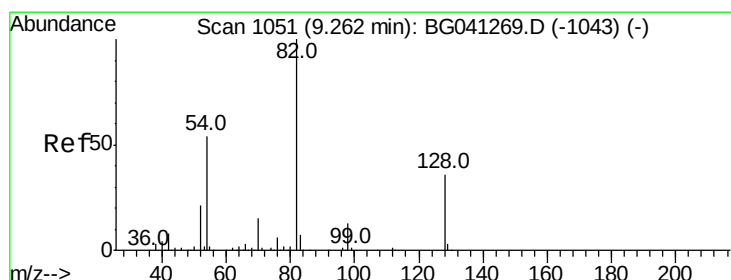
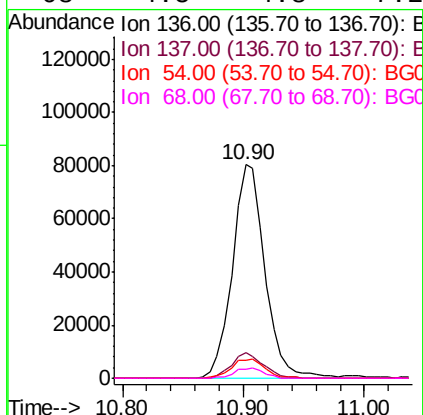
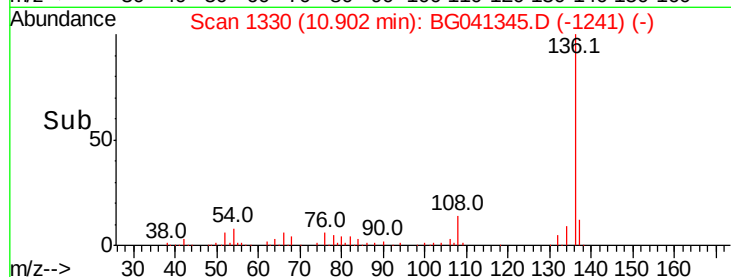
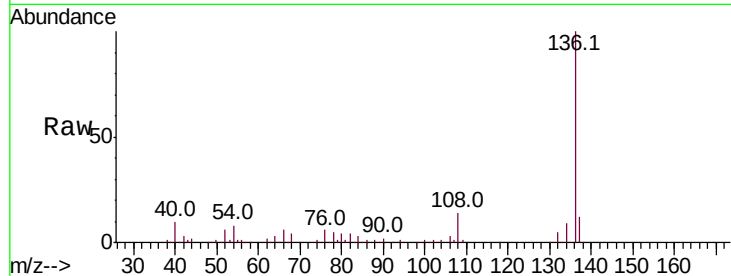




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BG041345.D
Acq: 20 Jun 2019 3:43

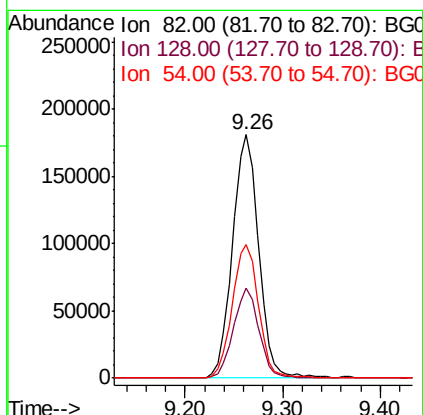
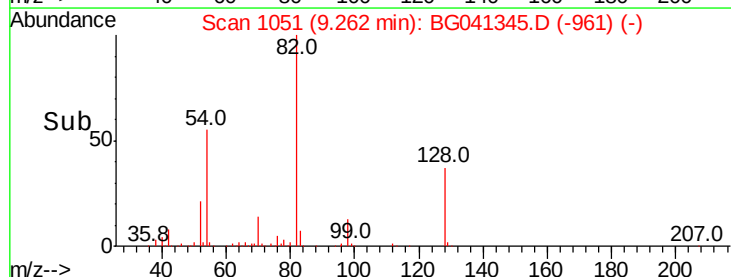
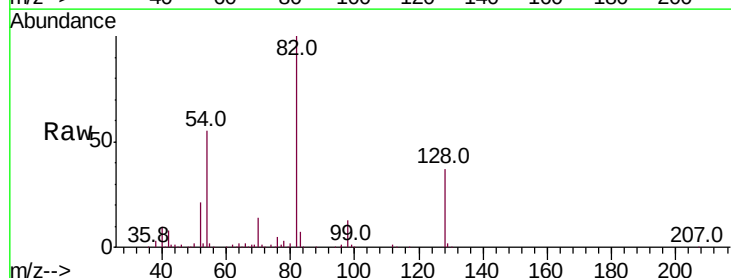
Instrument :
BNA_G
ClientSampleId :

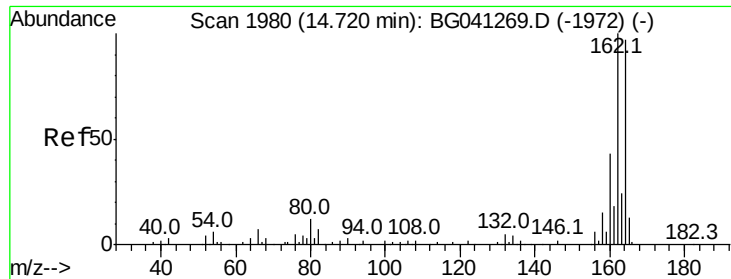
Tot Ion:	136	Resp:	150516
Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.8	13.2
54	8.2	6.4	9.6
68	4.5	4.8	7.2#



#23
Nitrobenzene-d5
Concen: 94.245 ng
RT: 9.26 min Scan# 1051
Delta R.T. 0.00 min
Lab File: BG041345.D
Acq: 20 Jun 2019 3:43

Tgt Ion:	82	Resp:	337296
Ion	Ratio	Lower	Upper
82	100		
128	37.1	29.2	43.8
54	54.7	43.4	65.0

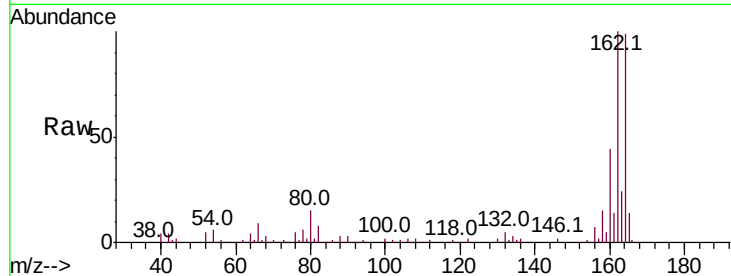




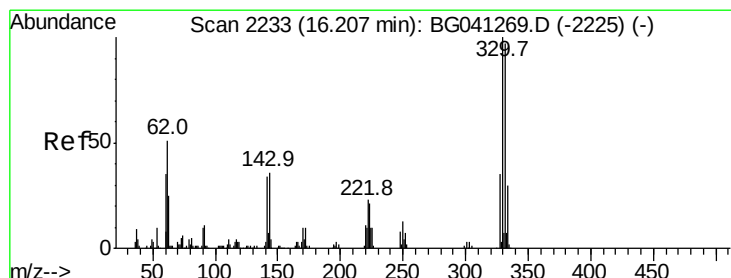
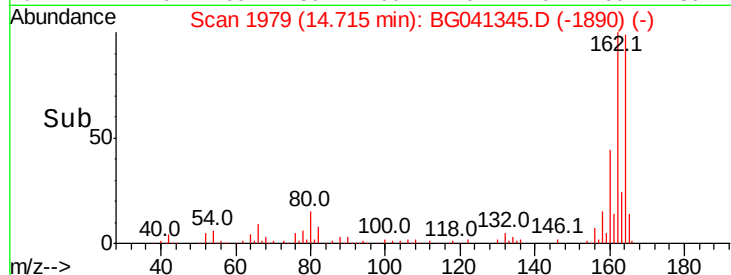
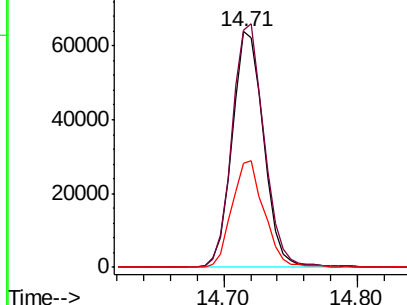
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.71 min Scan# 1979
Delta R.T. -0.01 min
Lab File: BG041345.D
Acq: 20 Jun 2019 3:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 104670
Ion Ratio Lower Upper
164 100
162 100.9 82.8 124.2
160 44.2 35.8 53.8

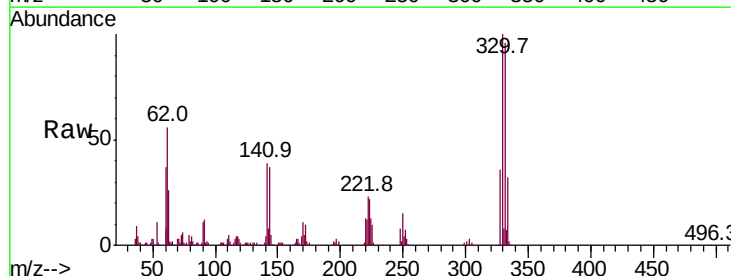


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

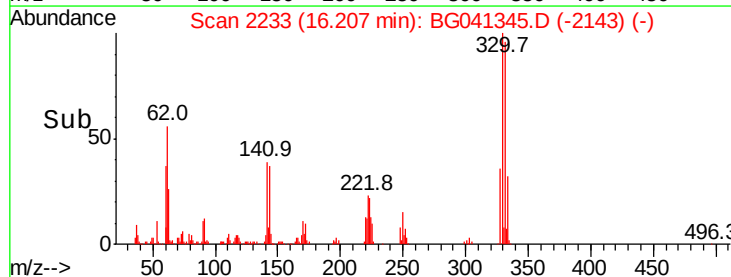
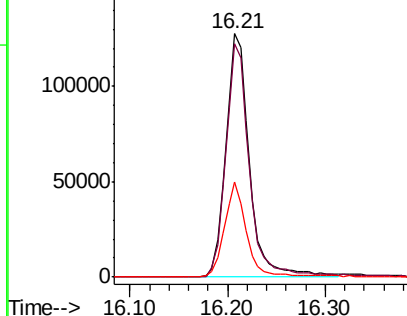


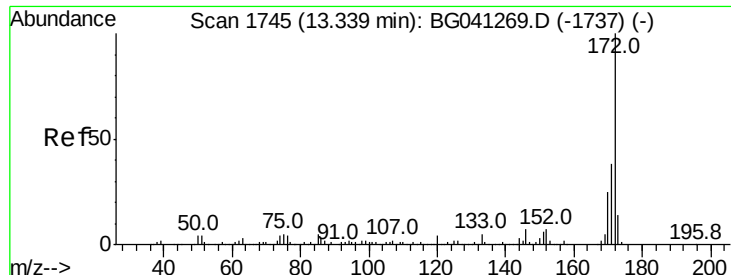
#42
2,4,6-Tribromophenol
Concen: 133.143 ng
RT: 16.21 min Scan# 2233
Delta R.T. 0.00 min
Lab File: BG041345.D
Acq: 20 Jun 2019 3:43

Tgt Ion:330 Resp: 213949
Ion Ratio Lower Upper
330 100
332 96.4 75.5 113.3
141 36.8 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

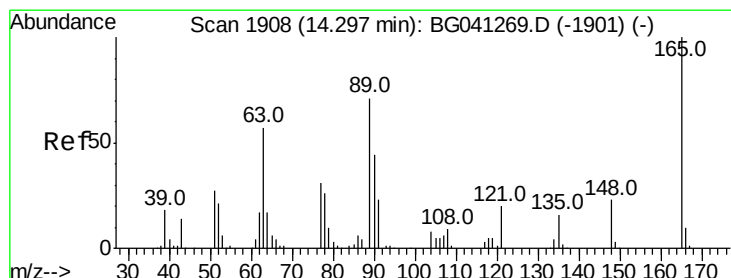
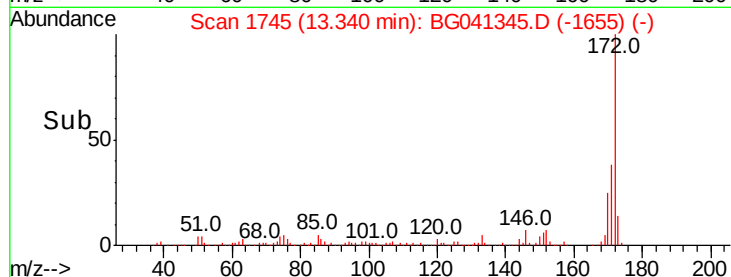
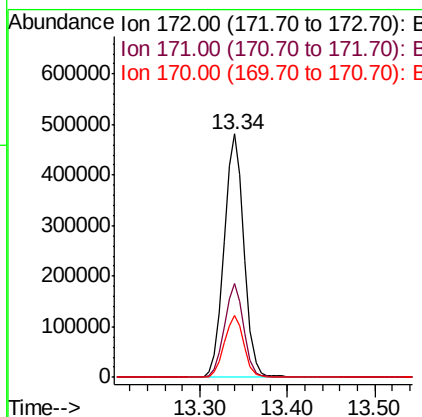
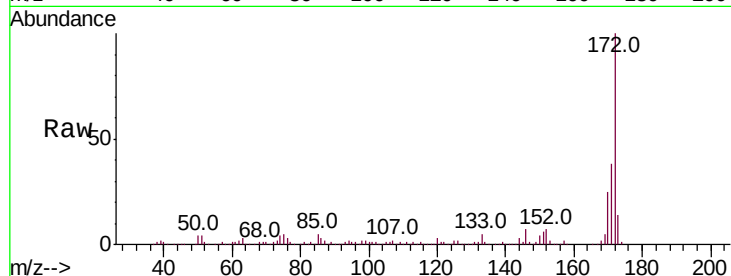




#45
2-Fluorobiphenyl
Concen: 97.936 ng
RT: 13.34 min Scan# 1745
Delta R.T. 0.00 min
Lab File: BG041345.D
Acq: 20 Jun 2019 3:43

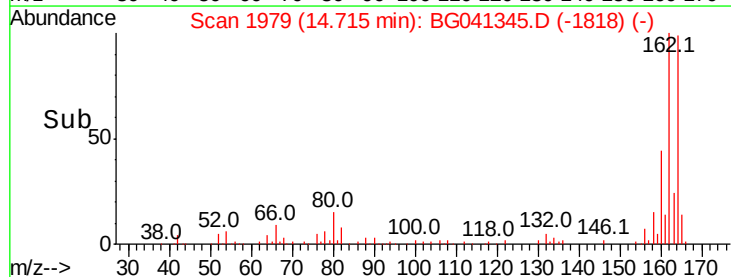
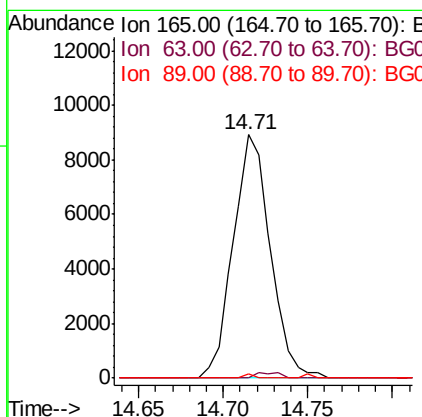
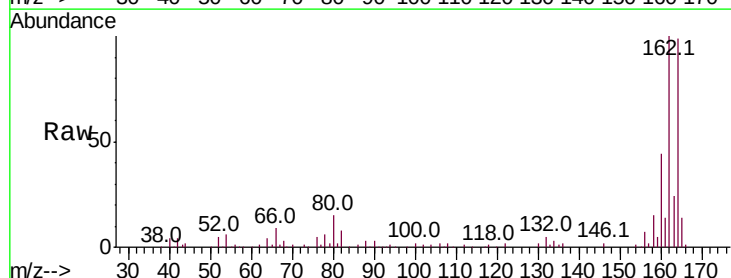
Instrument :
BNA_G
ClientSampleId :

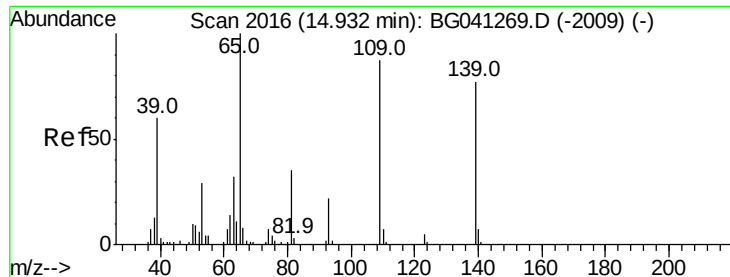
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.0	45.0
170	25.3	19.8	29.6



#51
2,6-Dinitrotoluene
Concen: 6.941 ng
RT: 14.71 min Scan# 1979
Delta R.T. 0.42 min
Lab File: BG041345.D
Acq: 20 Jun 2019 3:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	55.4	83.0#
89	2.0	56.5	84.7#





#56

4-Nitrophenol

Concen: 3.257 ng

RT: 15.11 min Scan# 2047

Delta R.T. 0.18 min

Lab File: BG041345.D

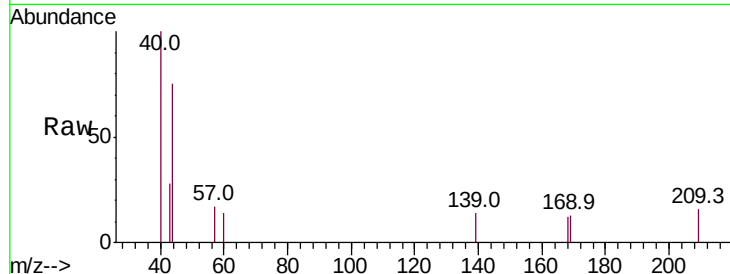
Acq: 20 Jun 2019 3:43

Instrument :

BNA_G

ClientSampled :

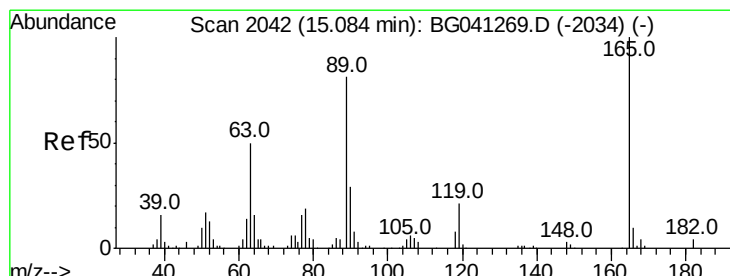
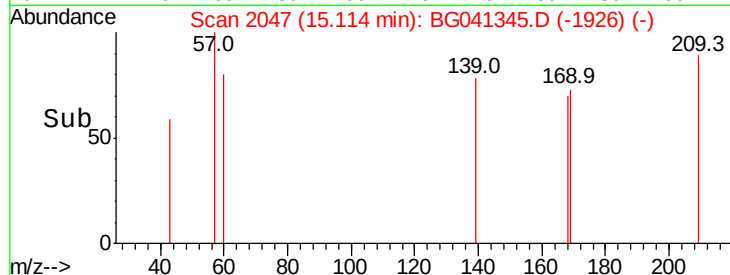
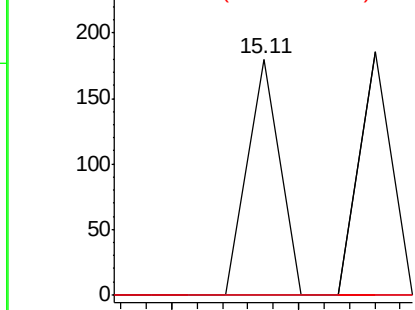
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	93.2	133.2#
65	0.0	110.2	150.2#



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: 4.748 ng

RT: 14.71 min Scan# 1979

Delta R.T. -0.37 min

Lab File: BG041345.D

Acq: 20 Jun 2019 3:43

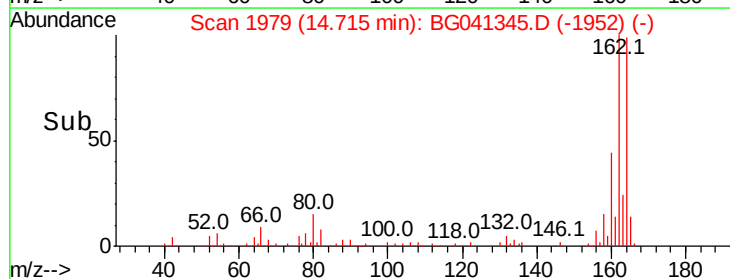
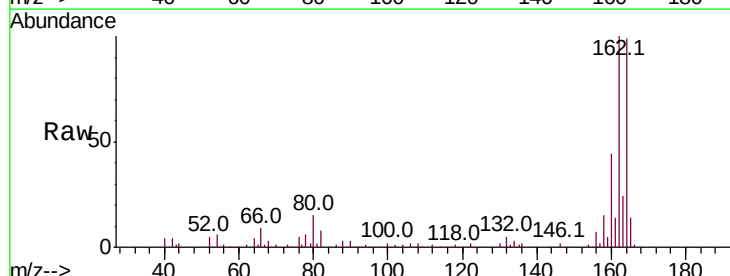
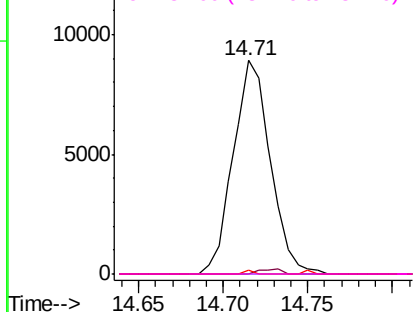
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.0	60.0#
89	2.0	64.6	96.8#
182	0.0	2.9	4.3#

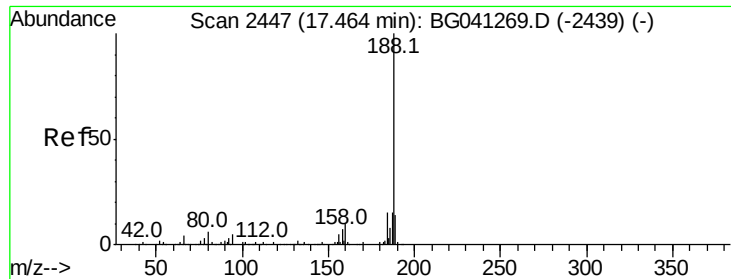
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG041345.D

Acq: 20 Jun 2019 3:43

Instrument :

BNA_G

ClientSampleId :

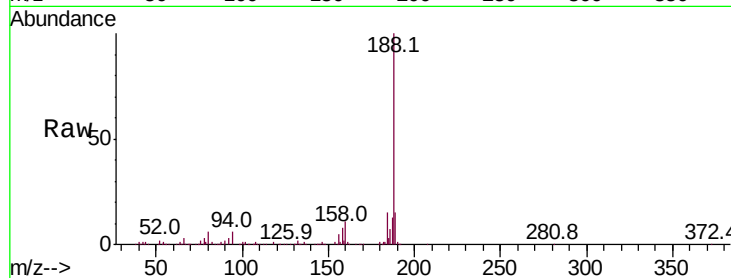
Tot Ion:188 Resp: 255361

Ion Ratio Lower Upper

188 100

94 5.9 3.6 5.4#

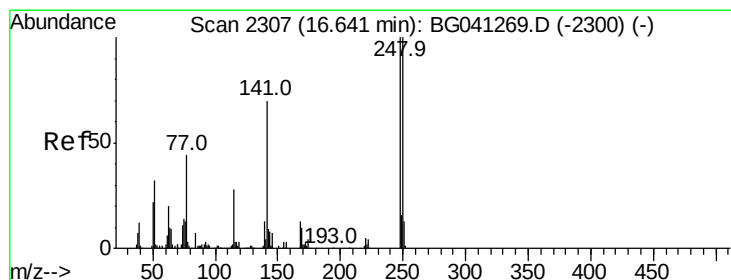
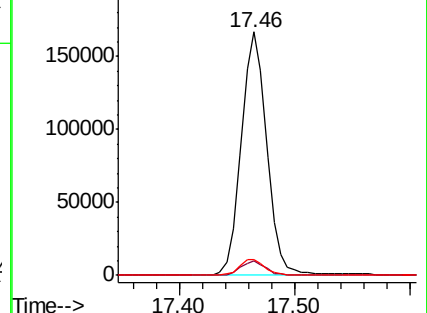
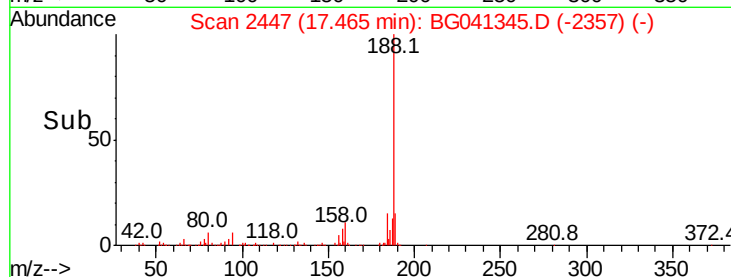
80 6.4 4.8 7.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#67

4-Bromophenyl-phenylether

Concen: 4.780 ng

RT: 16.21 min Scan# 2233

Delta R.T. -0.43 min

Lab File: BG041345.D

Acq: 20 Jun 2019 3:43

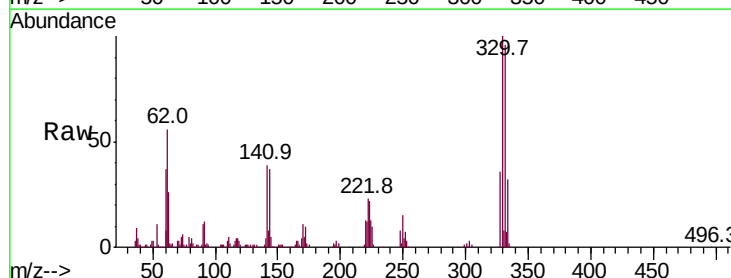
Tgt Ion:248 Resp: 15782

Ion Ratio Lower Upper

248 100

250 180.2 79.8 119.8#

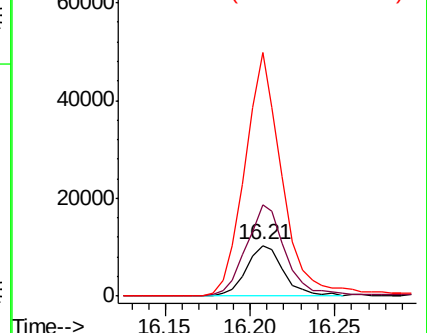
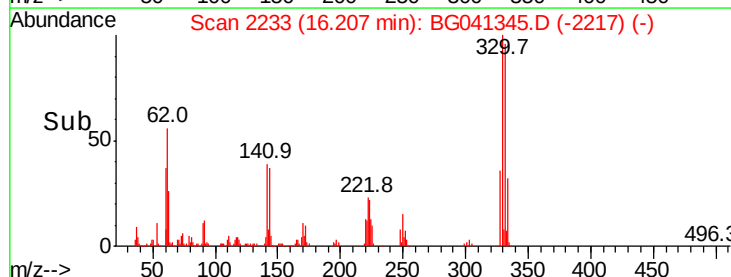
141 482.5 55.8 83.6#

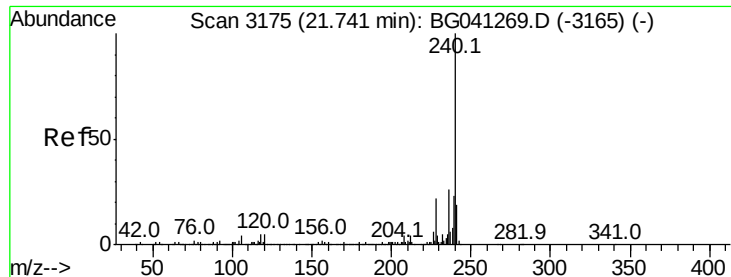


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

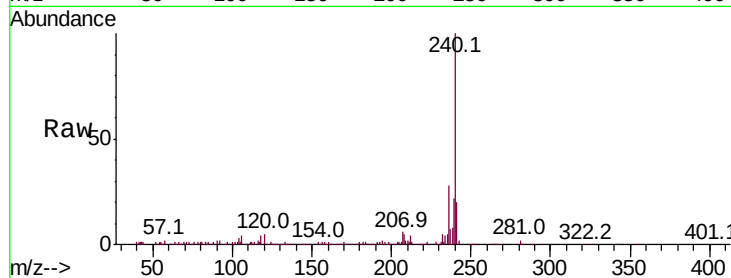




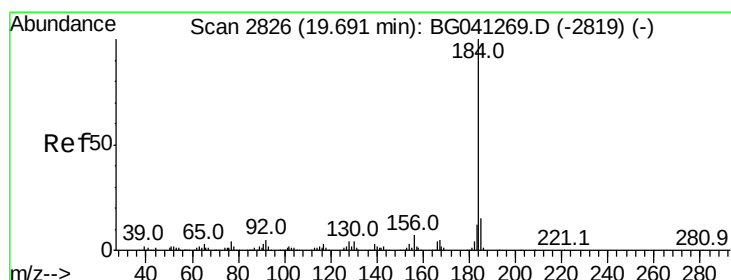
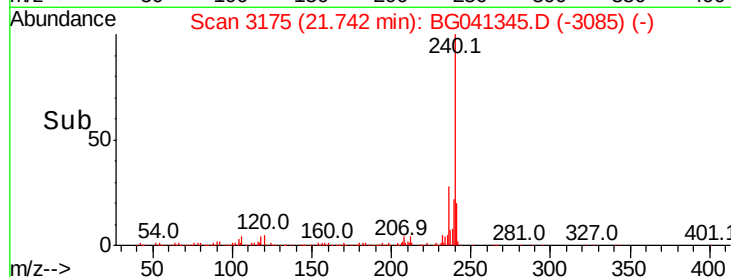
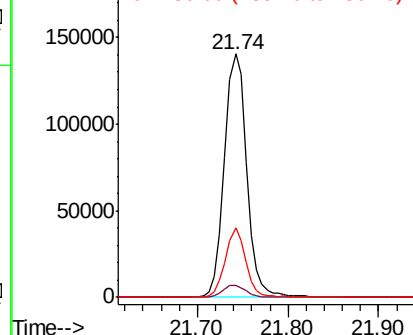
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3175
Delta R.T. 0.00 min
Lab File: BG041345.D
Acq: 20 Jun 2019 3:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:240 Resp: 240880
Ion Ratio Lower Upper
240 100
120 4.8 3.7 5.5
236 28.4 21.1 31.7

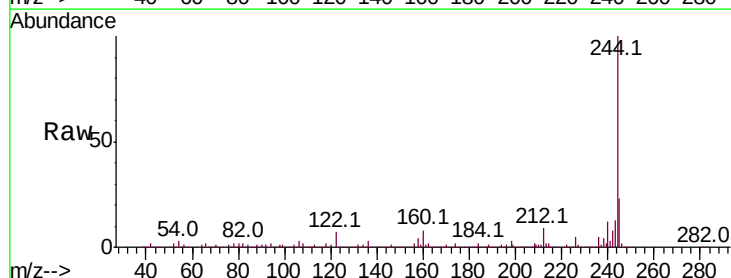


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

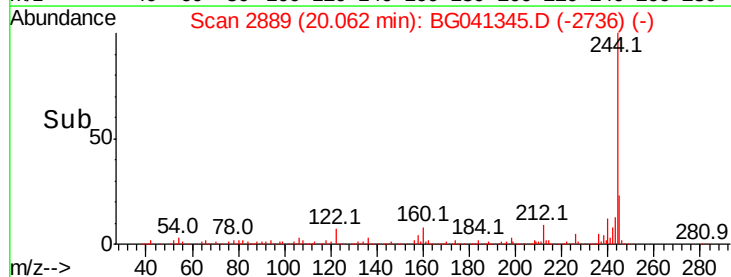
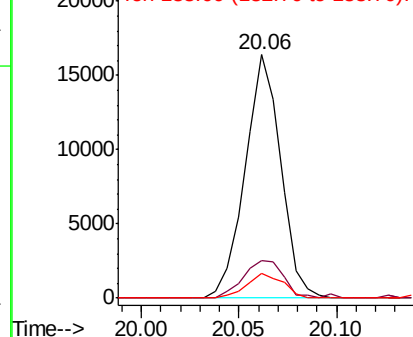


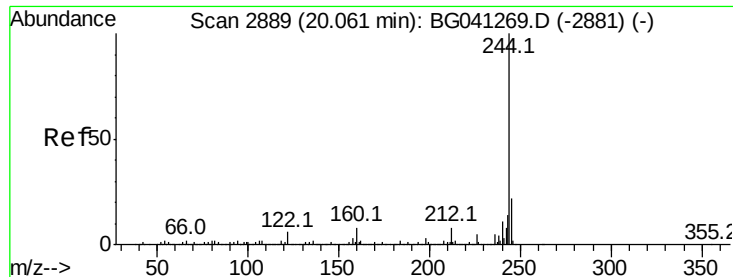
#77
Benzidine
Concen: 3.551 ng
RT: 20.06 min Scan# 2889
Delta R.T. 0.37 min
Lab File: BG041345.D
Acq: 20 Jun 2019 3:43

Tgt Ion:184 Resp: 20687
Ion Ratio Lower Upper
184 100
185 15.6 12.2 18.2
183 10.2 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: 99.516 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.00 min

Lab File: BG041345.D

Acq: 20 Jun 2019 3:43

Instrument :

BNA_G

ClientSampleId :

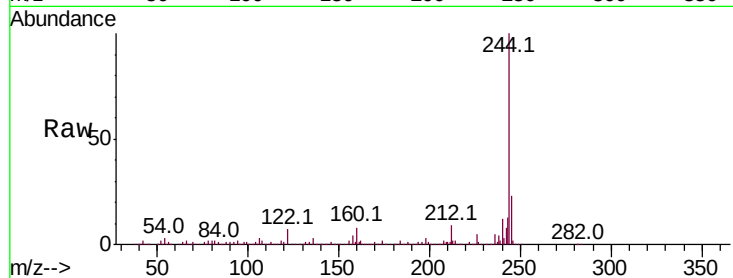
Tot Ion:244 Resp: 1209581

Ion Ratio Lower Upper

244 100

212 8.8 6.6 10.0

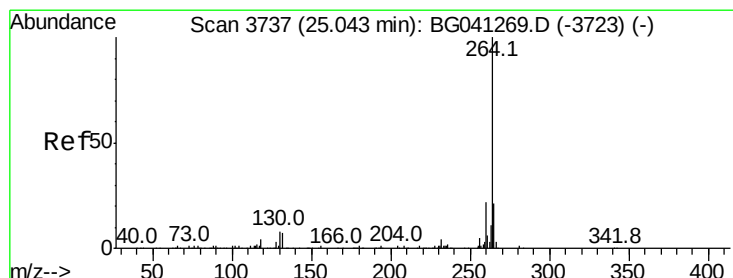
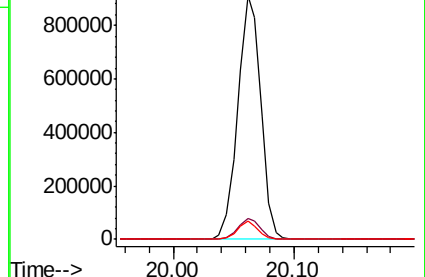
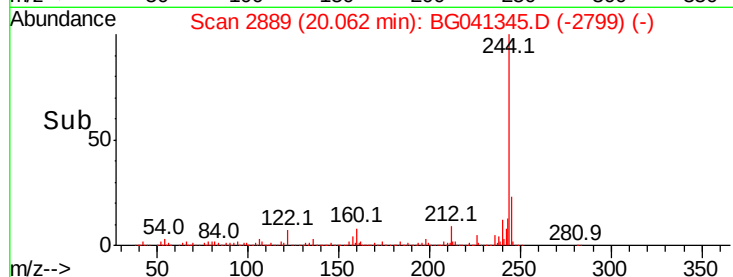
122 7.4 5.0 7.4



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: 25.06 min Scan# 3740

Delta R.T. 0.02 min

Lab File: BG041345.D

Acq: 20 Jun 2019 3:43

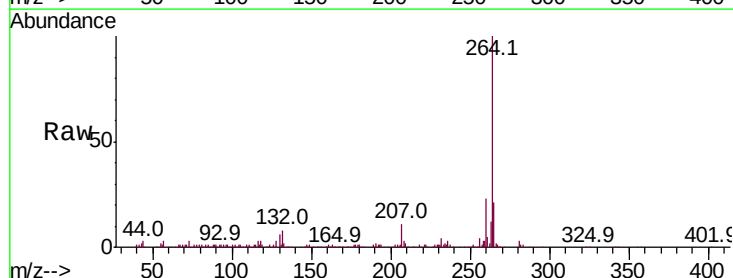
Tgt Ion:264 Resp: 233446

Ion Ratio Lower Upper

264 100

260 23.5 17.4 26.2

265 20.5 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

