

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061219\
 Data File : BG041215.D
 Acq On : 12 Jun 2019 20:45
 Operator : HP/JU
 Sample : K3299-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TI-658-EB

Quant Time: Jun 13 05:38:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jun 09 23:08:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	39003	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	163475	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	121114	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	295796	20.00	ng	0.00
76) Chrysene-d12	21.76	240	283871	20.00	ng	0.00
87) Perylene-d12	25.09	264	277479	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	78368	36.23	ng	0.00
7) Phenol-d6	7.25	99	70060	20.97	ng	0.00
23) Nitrobenzene-d5	9.28	82	316434	85.93	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	151254	84.12	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	742330	88.27	ng	0.00
79) Terphenyl-d14	20.08	244	1190313	88.99	ng	0.00

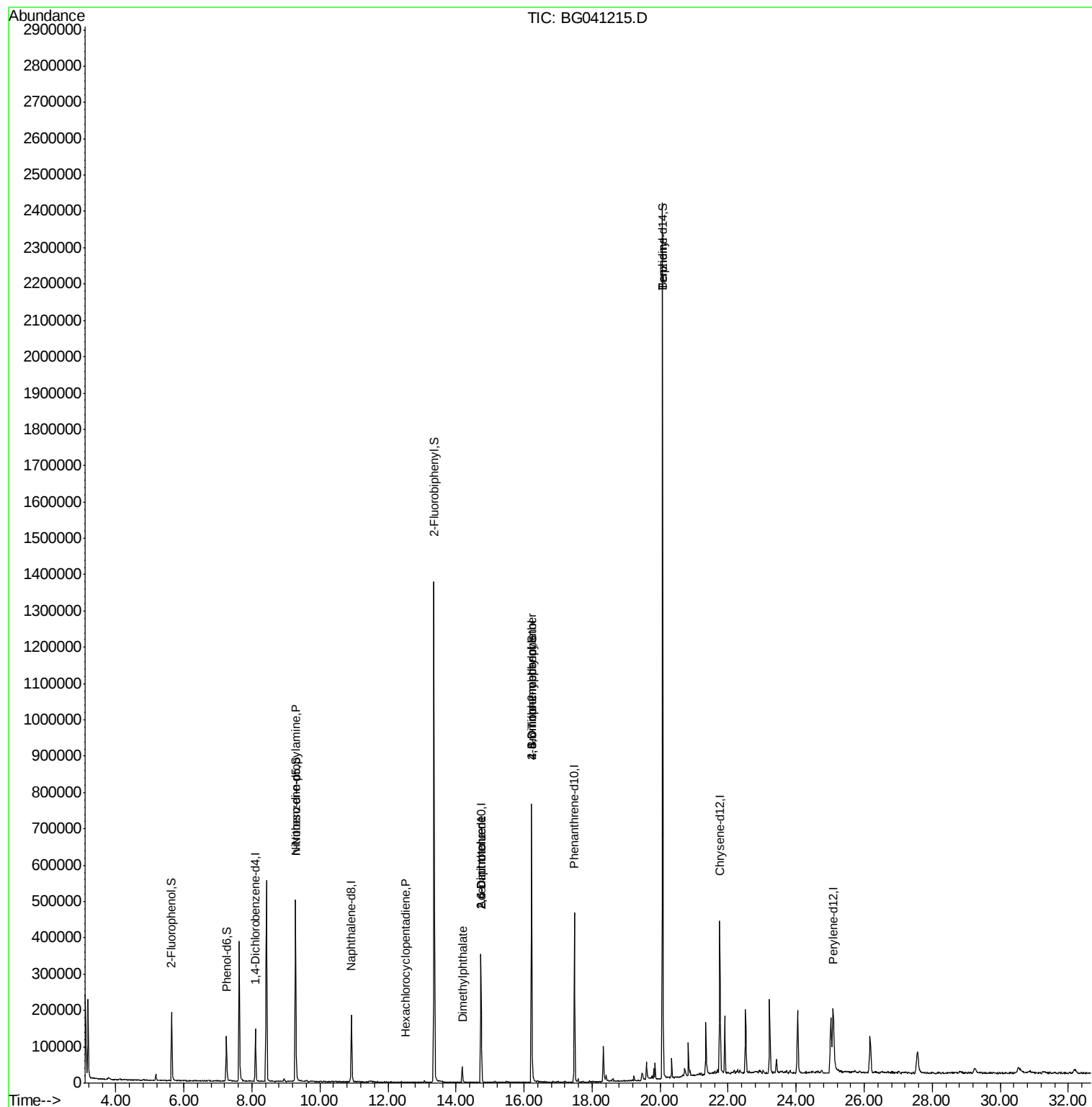
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.28	70	43618	16.967	ng	# 74
41) Hexachlorocyclopentadiene	12.51	237	57	8.255	ng	# 26
50) Dimethylphthalate	14.18	163	32965	3.215	ng	# 97
51) 2,6-Dinitrotoluene	14.74	165	15997	7.237	ng	# 18
57) 2,4-Dinitrotoluene	14.74	165	15997	5.123	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.23	198	434	8.814	ng	# 12
67) 4-Bromophenyl-phenylether	16.22	248	10998	2.755	ng	# 1
77) Benzidine	20.08	184	19157	2.829	ng	97

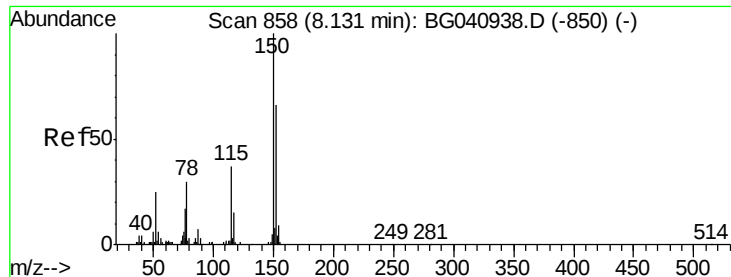
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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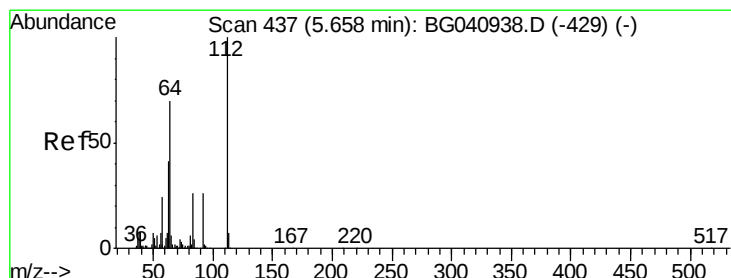
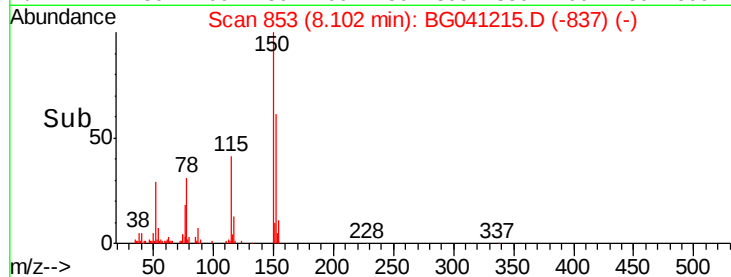
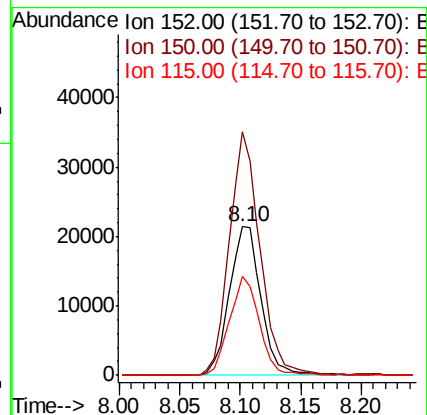
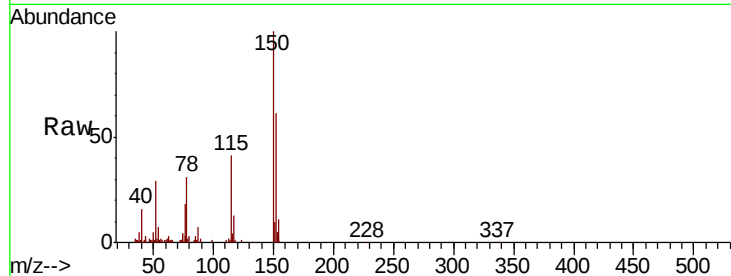


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 853
Delta R.T. -0.00 min
Lab File: BG041215.D
Acq: 12 Jun 2019 20:45

Instrument :
BNA_G
ClientSampleId :
TI-658-EB

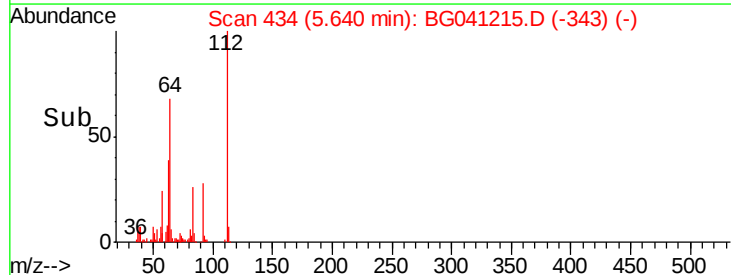
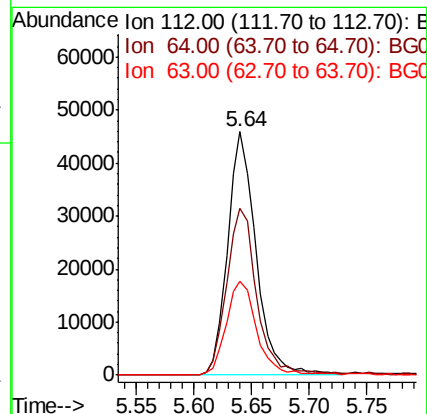
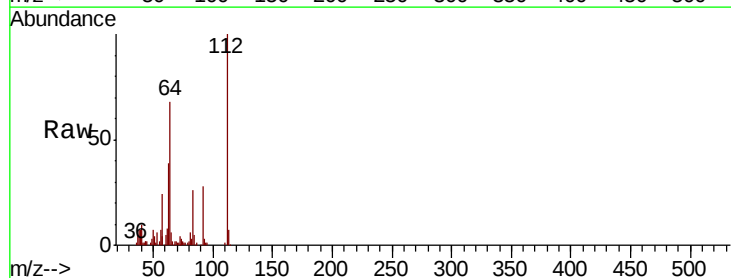
Tgt Ion	Ratio	Lower	Upper
152	100		
150	163.6	120.6	180.8
115	66.5	45.1	67.7



#5

2-Fluorophenol
Concen: 36.232 ng
RT: 5.64 min Scan# 434
Delta R.T. 0.00 min
Lab File: BG041215.D
Acq: 12 Jun 2019 20:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.3	56.2	84.2
63	38.7	32.8	49.2





#7

Phenol-d6

Concen: 20.973 ng

RT: 7.25 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG041215.D

Acq: 12 Jun 2019 20:45

Instrument :

BNA_G

ClientSampleId :

TI-658-EB

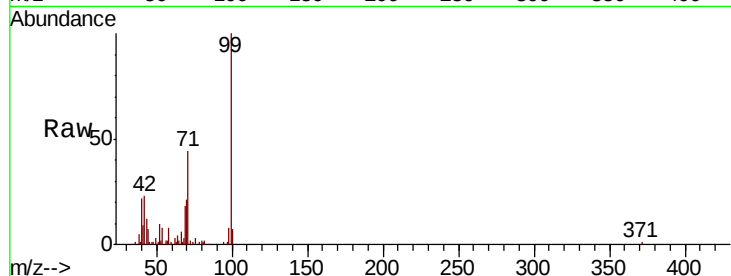
Tgt Ion: 99 Resp: 70060

Ion Ratio Lower Upper

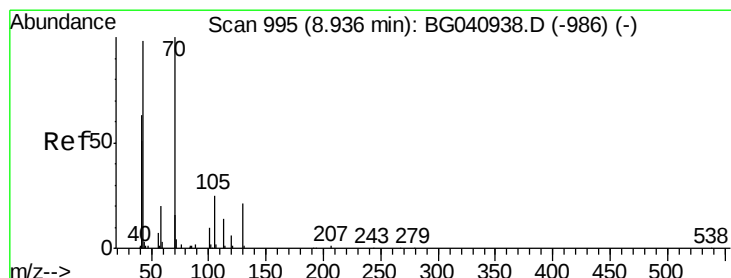
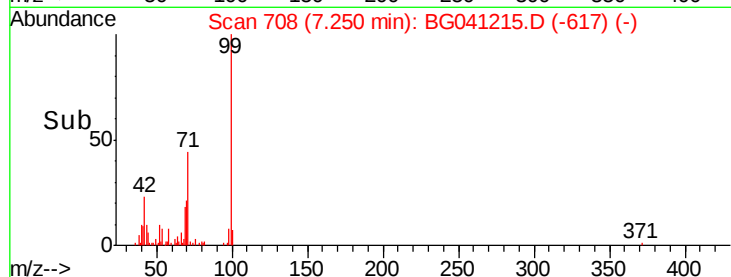
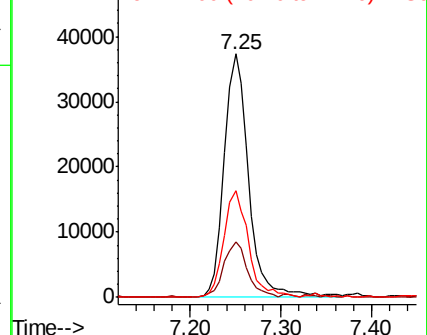
99 100

42 22.7 17.9 26.9

71 43.6 35.4 53.0



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: 16.967 ng

RT: 9.28 min Scan# 1054

Delta R.T. 0.37 min

Lab File: BG041215.D

Acq: 12 Jun 2019 20:45

Tgt Ion: 70 Resp: 43618

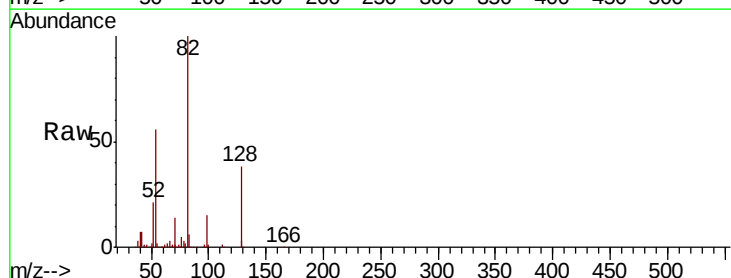
Ion Ratio Lower Upper

70 100

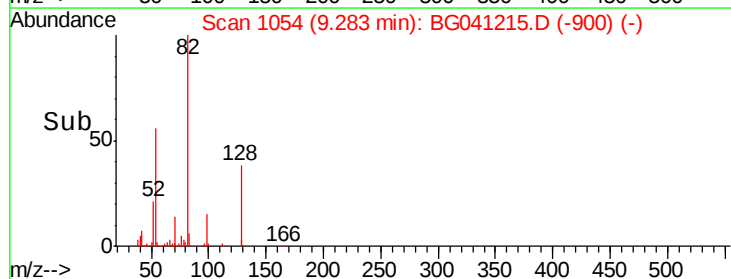
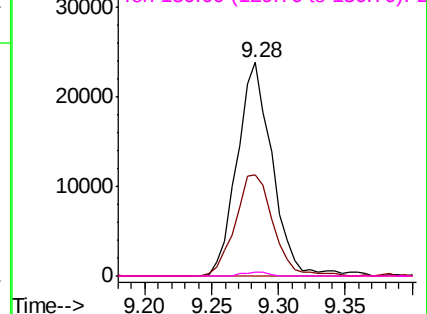
42 47.4 51.5 77.3#

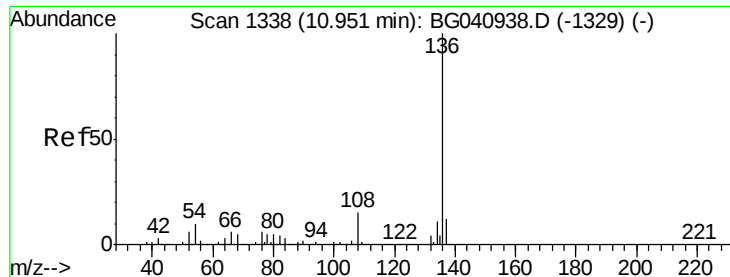
101 0.0 8.1 12.1#

130 1.7 16.6 24.8#



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

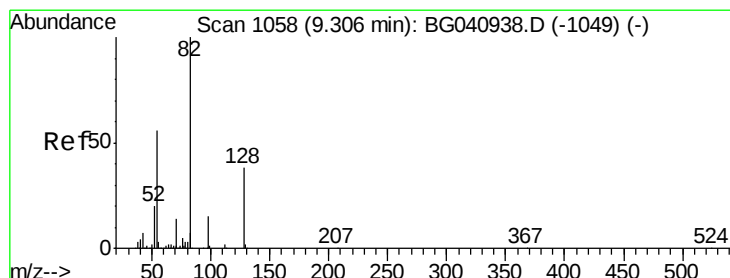
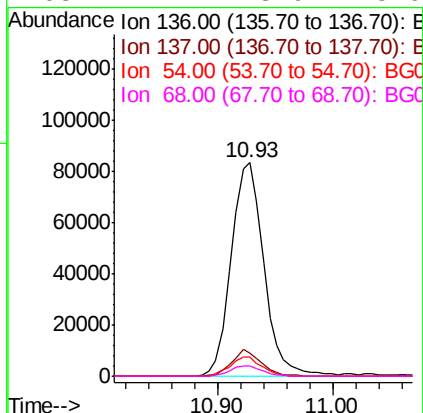
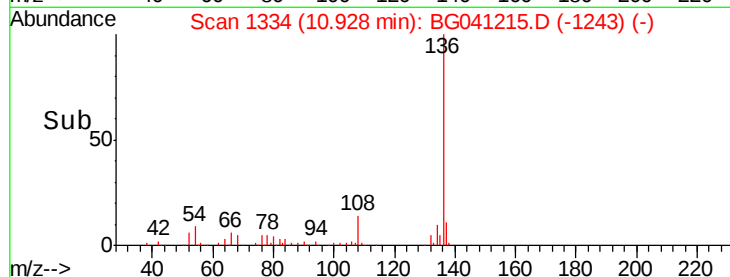
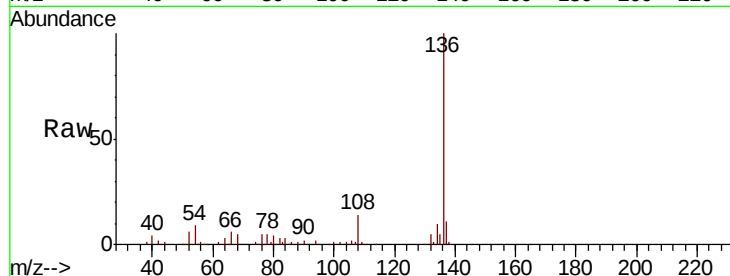




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BG041215.D
Acq: 12 Jun 2019 20:45

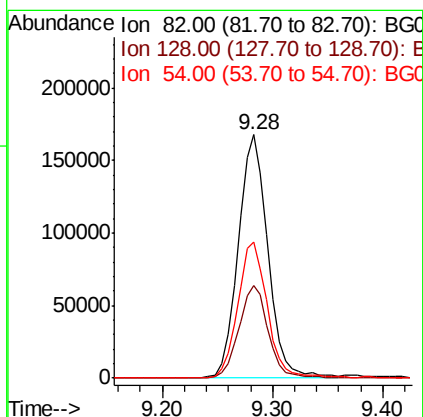
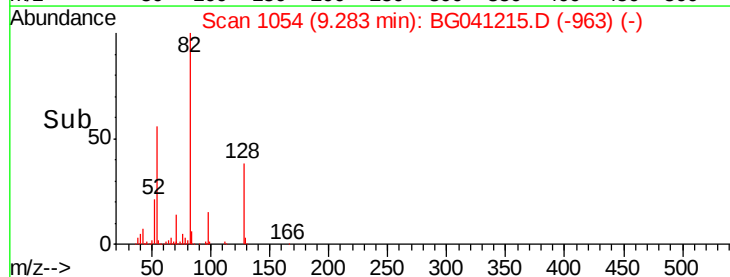
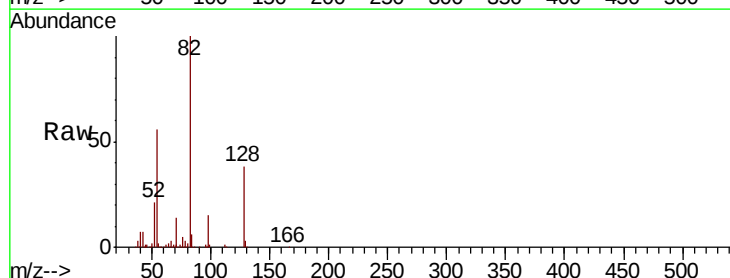
Instrument :
BNA_G
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TI-658-EB

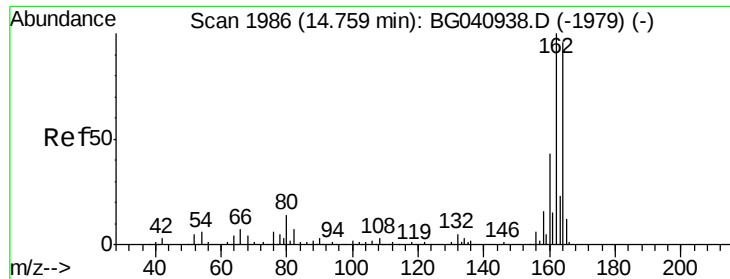
Tgt Ion:	136	Resp:	163475
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.5	14.3
54	9.0	7.6	11.4
68	4.7	3.9	5.9



#23
Nitrobenzene-d5
Concen: 85.932 ng
RT: 9.28 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BG041215.D
Acq: 12 Jun 2019 20:45

Tgt Ion:	82	Resp:	316434
Ion	Ratio	Lower	Upper
82	100		
128	37.9	30.5	45.7
54	55.9	44.6	66.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BG041215.D

Acq: 12 Jun 2019 20:45

Instrument :

BNA_G

ClientSampleId :

TI-658-EB

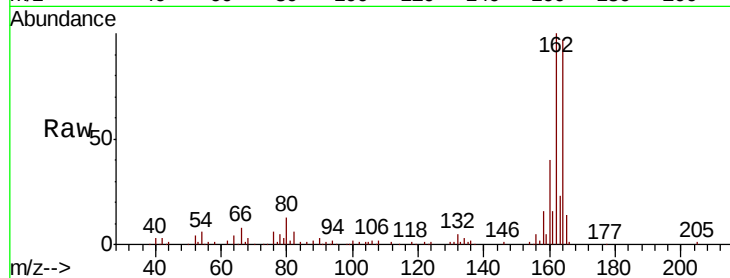
Tgt Ion:164 Resp: 121114

Ion Ratio Lower Upper

164 100

162 103.4 83.0 124.4

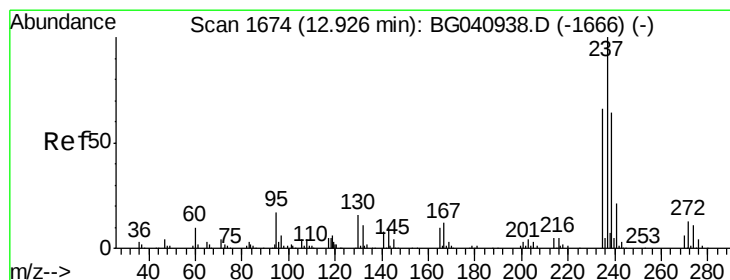
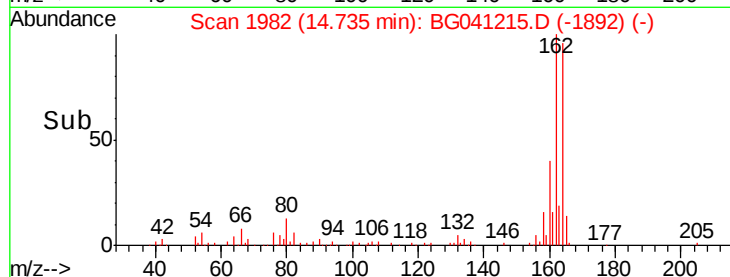
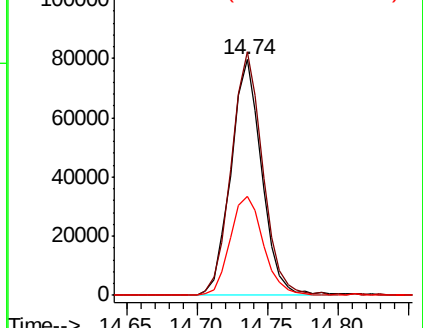
160 41.9 35.6 53.4



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



#41

Hexachlorocyclopentadiene

Concen: 8.255 ng

RT: 12.51 min Scan# 1603

Delta R.T. -0.39 min

Lab File: BG041215.D

Acq: 12 Jun 2019 20:45

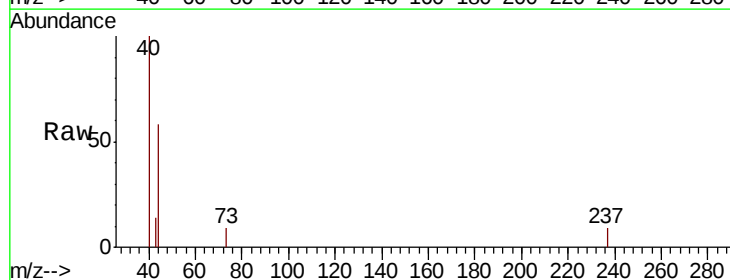
Tgt Ion:237 Resp: 57

Ion Ratio Lower Upper

237 100

235 0.0 45.5 85.5#

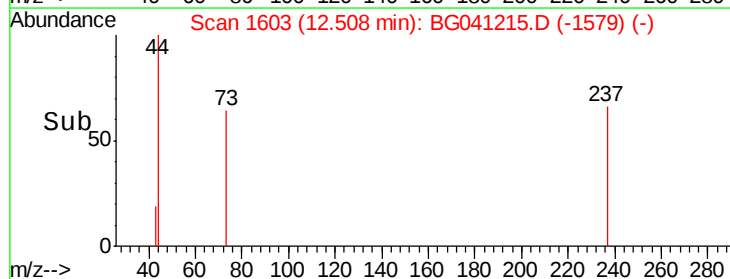
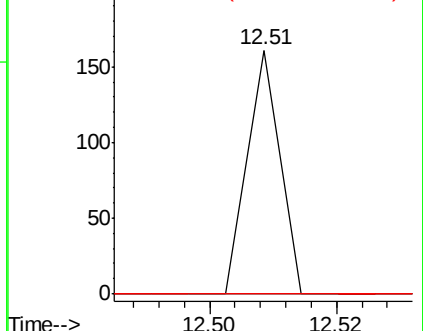
272 0.0 0.0 32.9

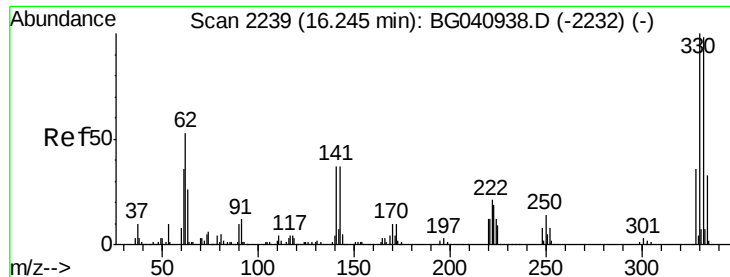


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

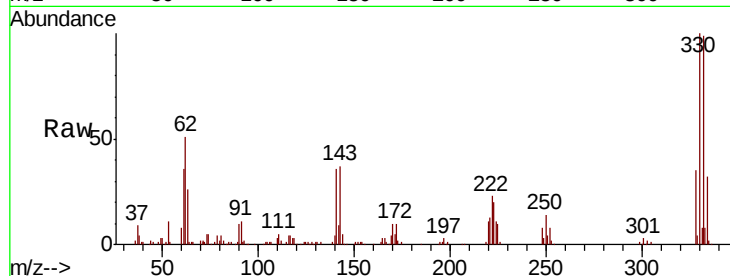




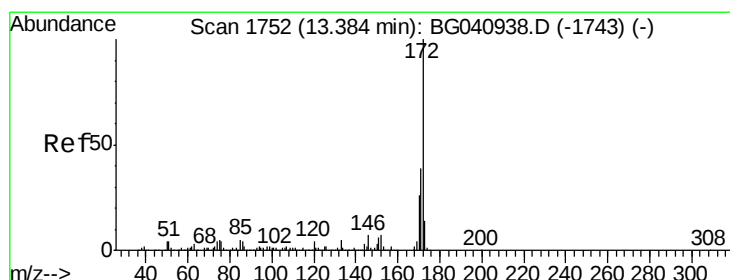
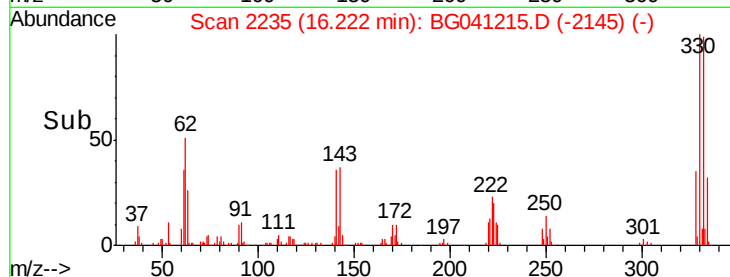
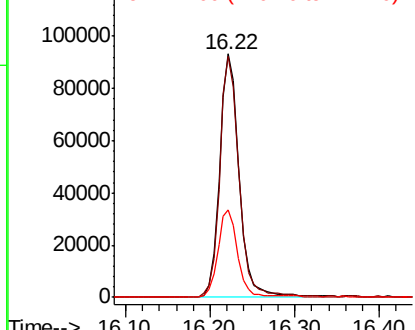
#42
 2,4,6-Tribromophenol
 Concen: 84.122 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. -0.00 min
 Lab File: BG041215.D
 Acq: 12 Jun 2019 20:45

Instrument :
 BNA_G
 ClientSampleId :
 TI-658-EB

Tgt Ion:330 Resp: 151254
 Ion Ratio Lower Upper
 330 100
 332 97.5 78.5 117.7
 141 36.0 28.7 43.1

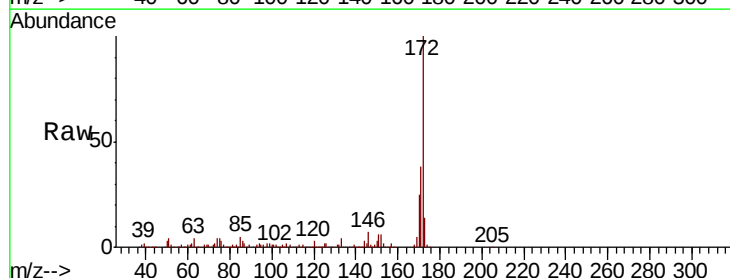


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

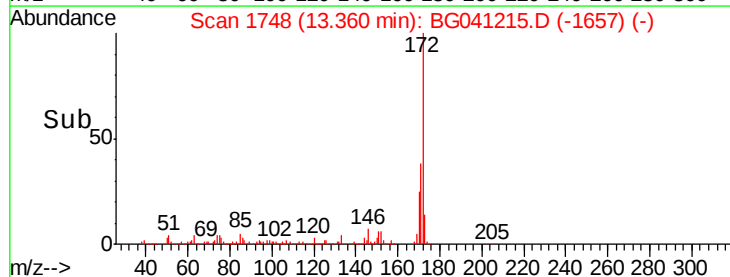
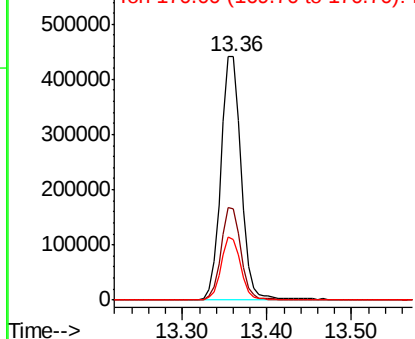


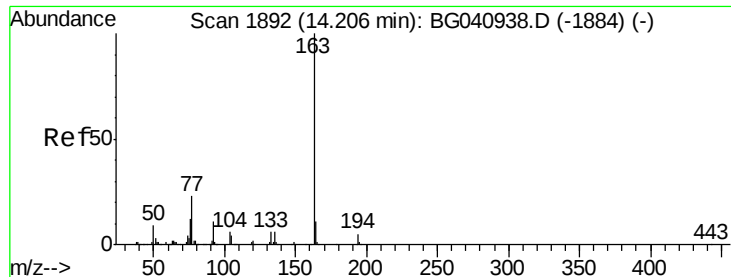
#45
 2-Fluorobiphenyl
 Concen: 88.267 ng
 RT: 13.36 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: BG041215.D
 Acq: 12 Jun 2019 20:45

Tgt Ion:172 Resp: 742330
 Ion Ratio Lower Upper
 172 100
 171 37.7 31.1 46.7
 170 24.9 20.5 30.7



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





#50

Dimethylphthalate

Concen: 3.215 ng

RT: 14.18 min Scan# 1888

Delta R.T. -0.00 min

Lab File: BG041215.D

Acq: 12 Jun 2019 20:45

Instrument :

BNA_G

ClientSampleId :

TI-658-EB

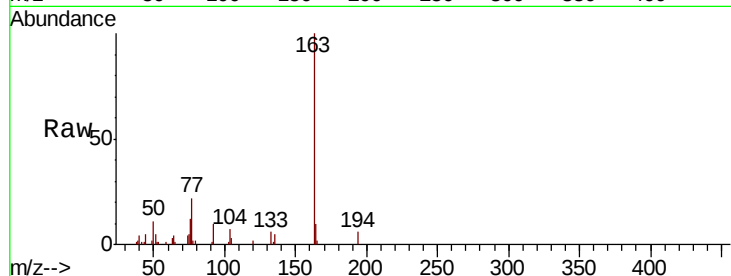
Tgt Ion:163 Resp: 32965

Ion Ratio Lower Upper

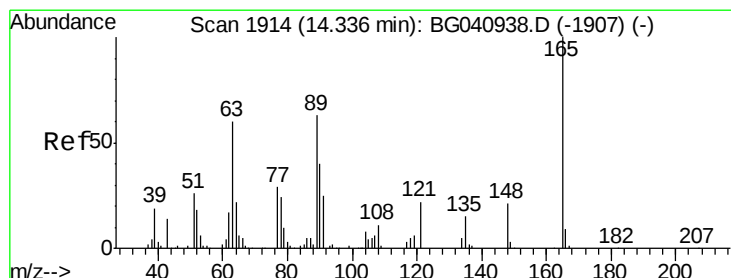
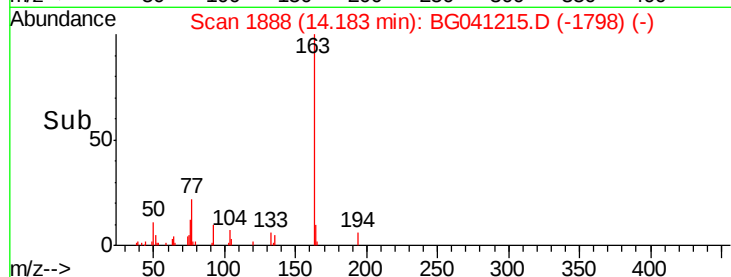
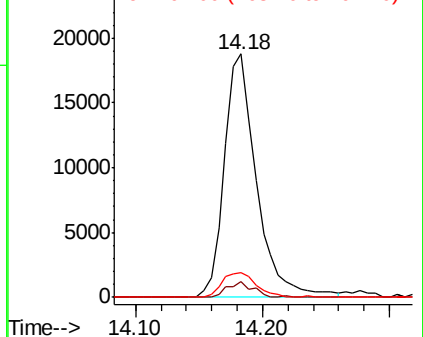
163 100

194 6.4 3.8 5.8#

164 10.2 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 7.237 ng

RT: 14.74 min Scan# 1982

Delta R.T. 0.42 min

Lab File: BG041215.D

Acq: 12 Jun 2019 20:45

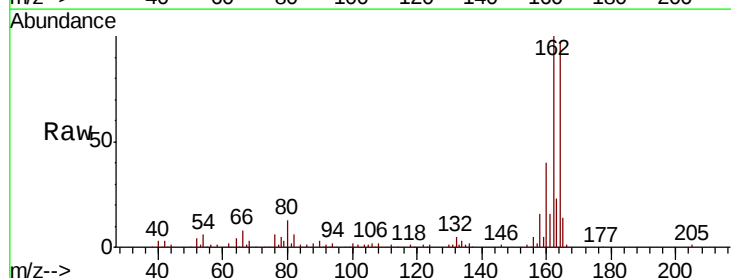
Tgt Ion:165 Resp: 15997

Ion Ratio Lower Upper

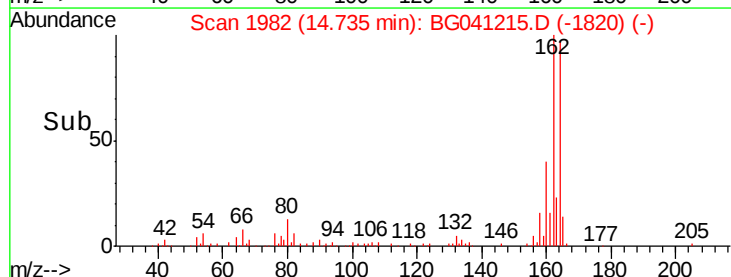
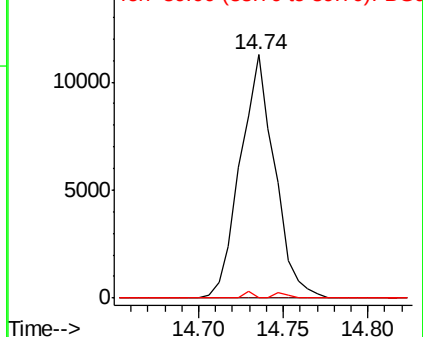
165 100

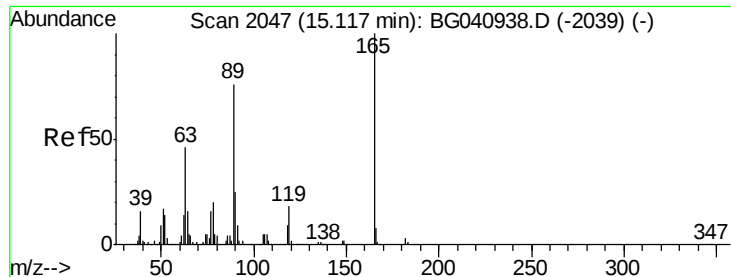
63 0.0 53.6 80.4#

89 0.0 50.4 75.6#



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





#57

2,4-Dinitrotoluene

Concen: 5.123 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.36 min

Lab File: BG041215.D

Acq: 12 Jun 2019 20:45

Instrument :

BNA_G

ClientSampleId :

TI-658-EB

Tgt Ion:165 Resp: 15997

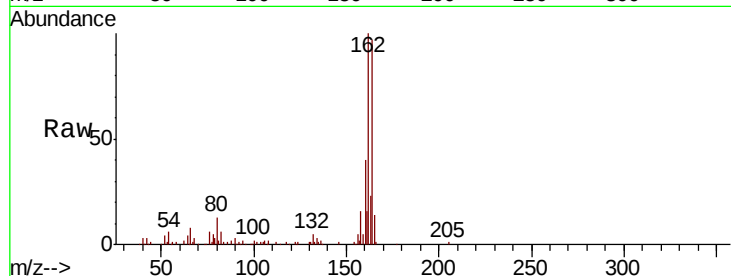
Ion Ratio Lower Upper

165 100

63 0.0 37.3 55.9#

89 0.0 61.0 91.6#

182 0.0 2.2 3.2#

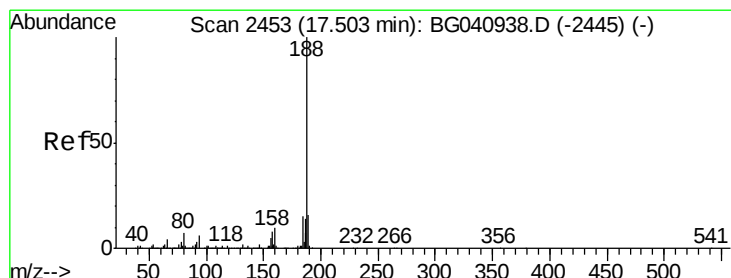
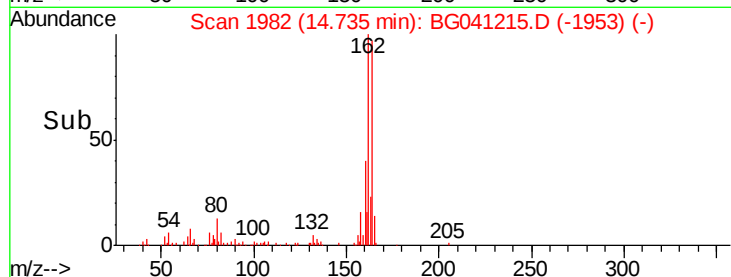
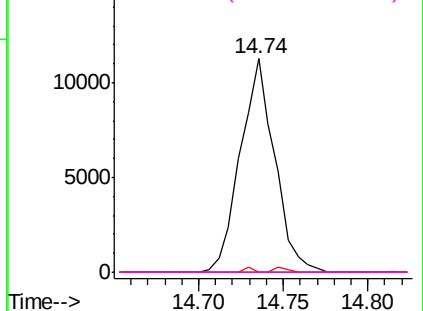


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.48 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BG041215.D

Acq: 12 Jun 2019 20:45

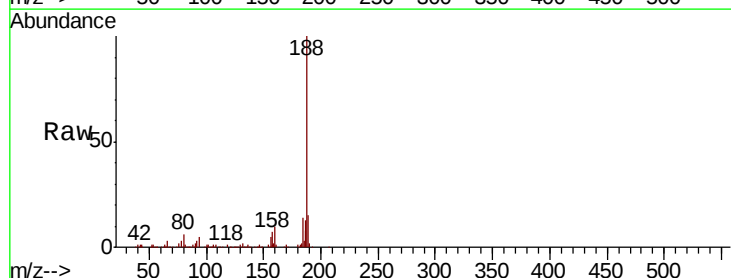
Tgt Ion:188 Resp: 295796

Ion Ratio Lower Upper

188 100

94 5.4 4.7 7.1

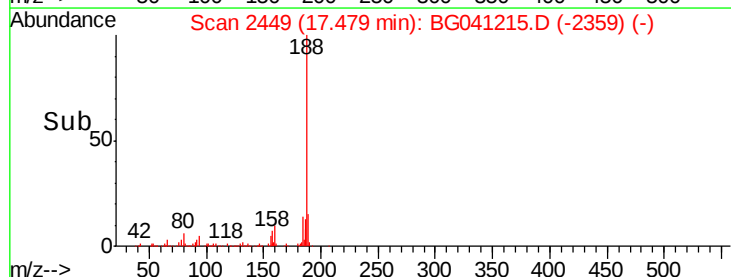
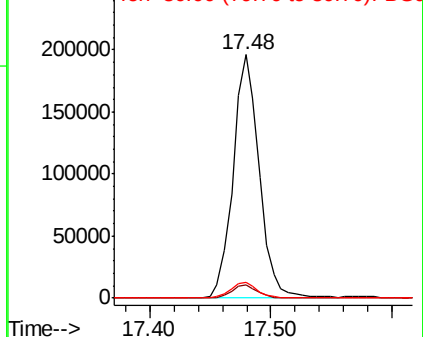
80 6.5 5.8 8.8

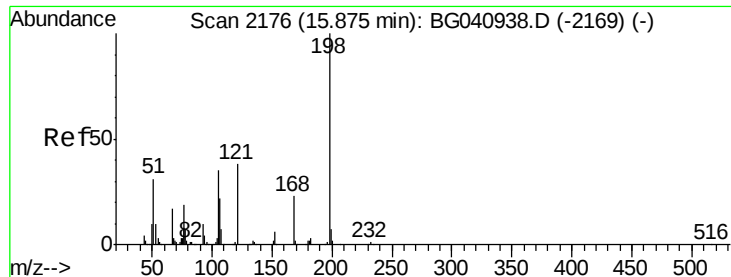


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 8.814 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.37 min

Lab File: BG041215.D

Acq: 12 Jun 2019 20:45

Instrument :

BNA_G

ClientSampleId :

TI-658-EB

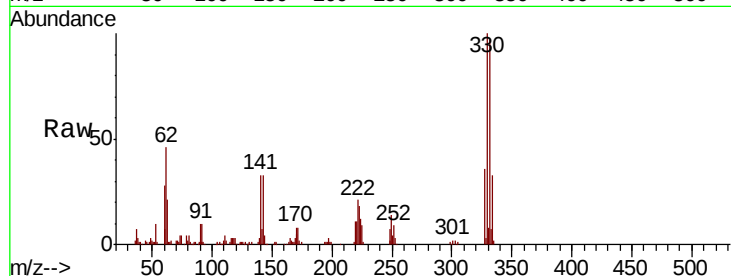
Tgt Ion:198 Resp: 434

Ion Ratio Lower Upper

198 100

51 110.9 21.6 61.6#

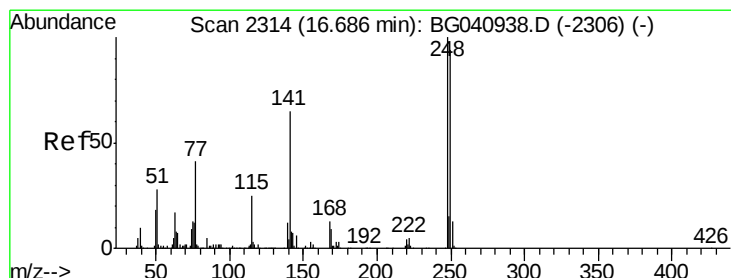
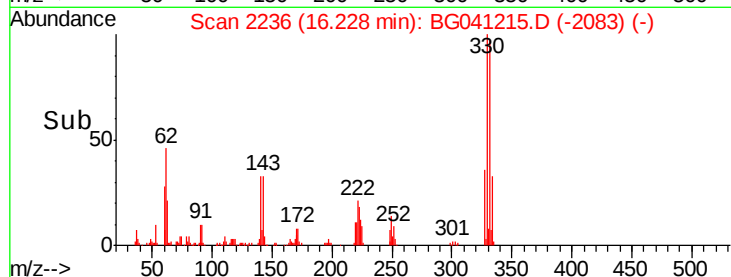
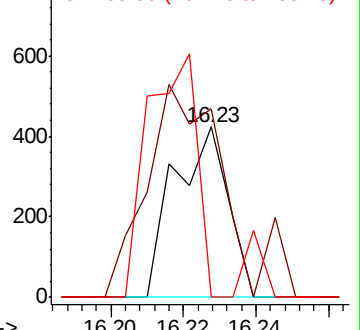
105 0.0 17.5 57.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 2.755 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.44 min

Lab File: BG041215.D

Acq: 12 Jun 2019 20:45

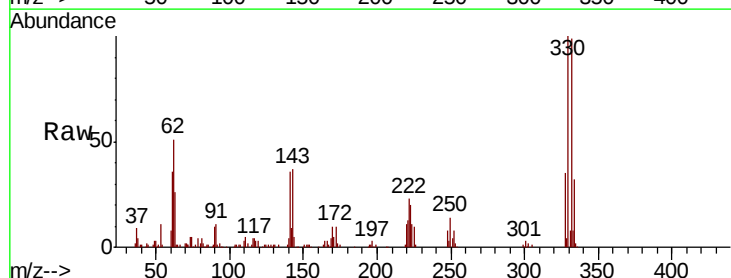
Tgt Ion:248 Resp: 10998

Ion Ratio Lower Upper

248 100

250 188.3 75.0 112.4#

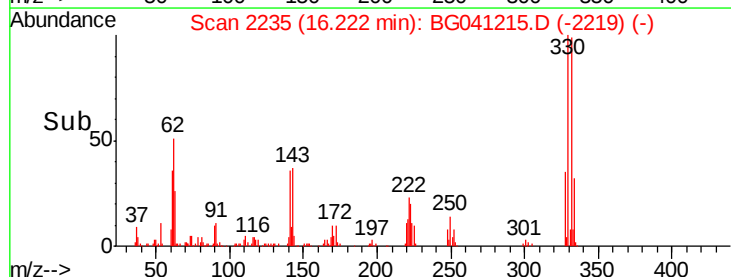
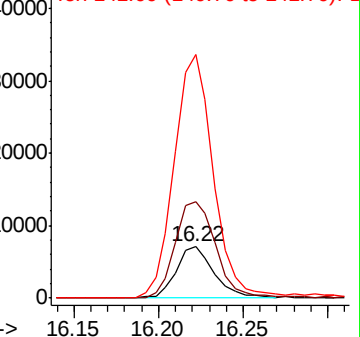
141 474.0 52.4 78.6#

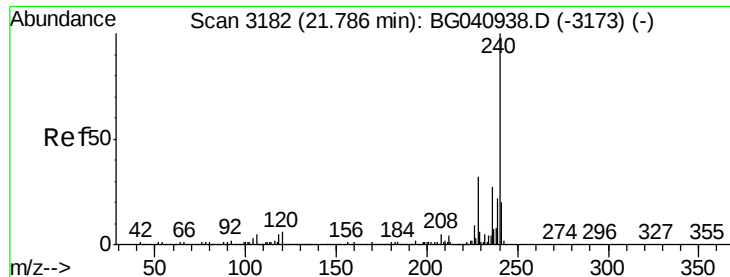


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

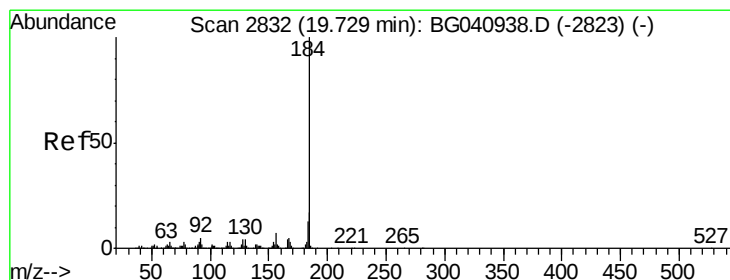
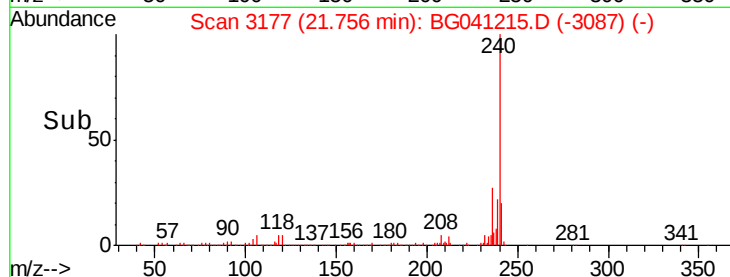
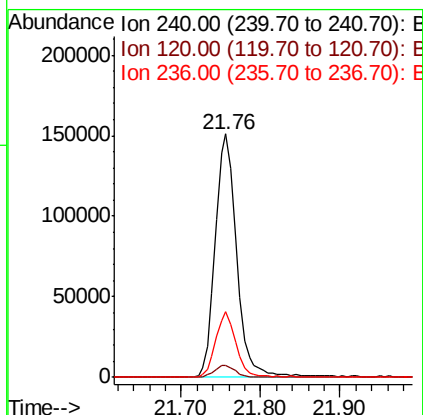
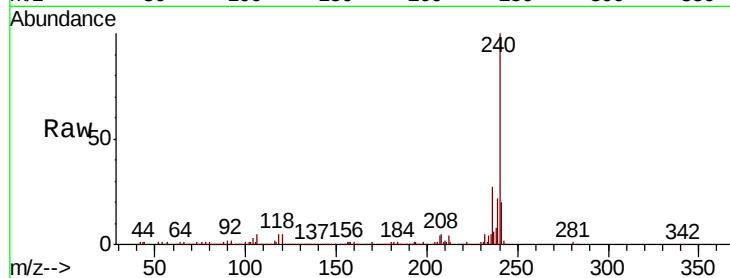




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3177
Delta R.T. -0.00 min
Lab File: BG041215.D
Acq: 12 Jun 2019 20:45

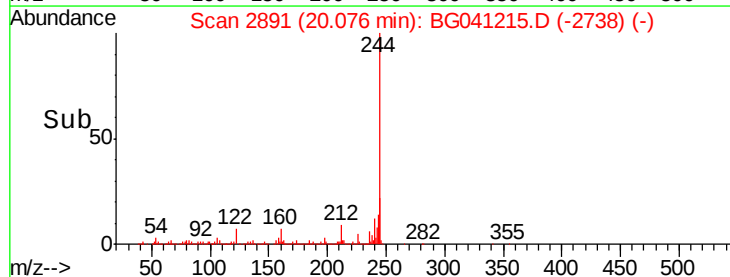
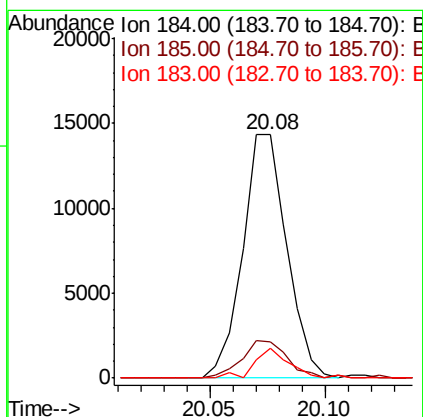
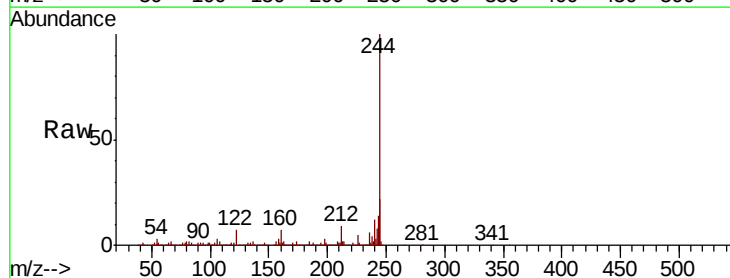
Instrument :
BNA_G
ClientSampleId :
TI-658-EB

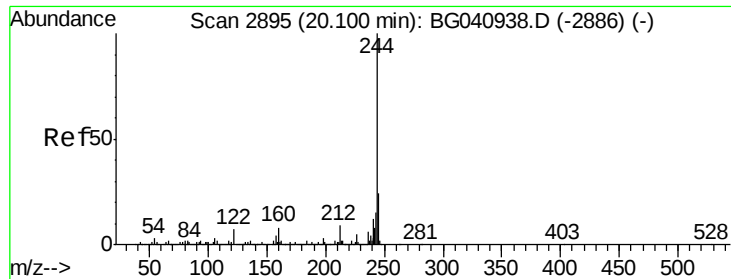
Tgt Ion:240 Resp: 283871
Ion Ratio Lower Upper
240 100
120 4.8 4.5 6.7
236 27.2 21.3 31.9



#77
Benzidine
Concen: 2.829 ng
RT: 20.08 min Scan# 2891
Delta R.T. 0.37 min
Lab File: BG041215.D
Acq: 12 Jun 2019 20:45

Tgt Ion:184 Resp: 19157
Ion Ratio Lower Upper
184 100
185 15.1 13.3 19.9
183 12.1 10.7 16.1

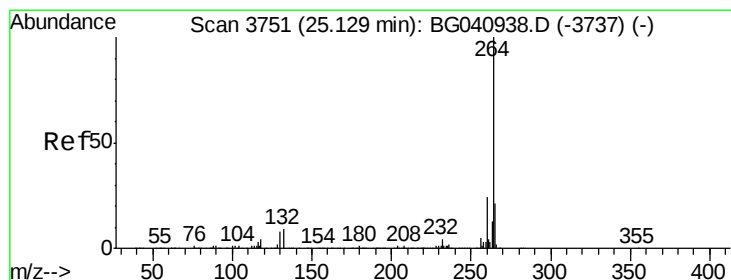
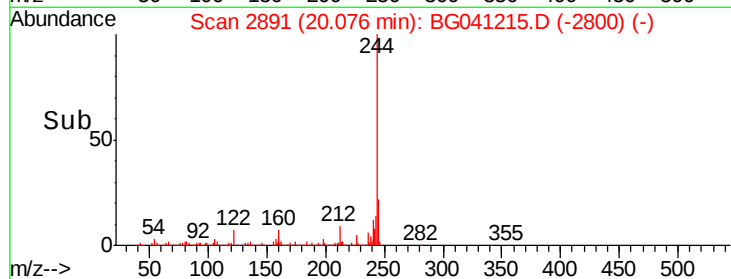
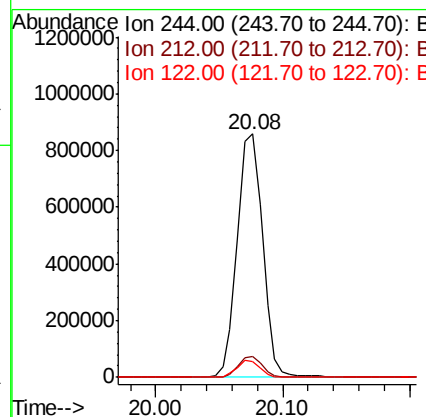
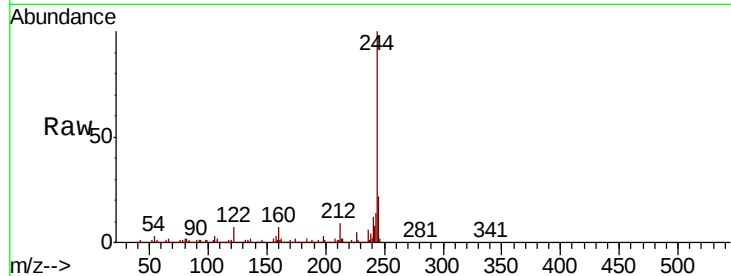




#79
 Terphenyl-d14
 Concen: 88.993 ng
 RT: 20.08 min Scan# 2891
 Delta R.T. 0.00 min
 Lab File: BG041215.D
 Acq: 12 Jun 2019 20:45

Instrument :
 BNA_G
 ClientSampled :
 TI-658-EB

Tgt Ion:244 Resp: 1190313
 Ion Ratio Lower Upper
 244 100
 212 8.5 7.0 10.4
 122 6.6 5.4 8.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.09 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: BG041215.D
 Acq: 12 Jun 2019 20:45

Tgt Ion:264 Resp: 277479
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.0 28.4
 265 22.0 17.0 25.4

