

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\
 Data File : BG042599.D
 Acq On : 30 Aug 2019 14:09
 Operator : HP/JU
 Sample : K4470-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 30 16:18:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

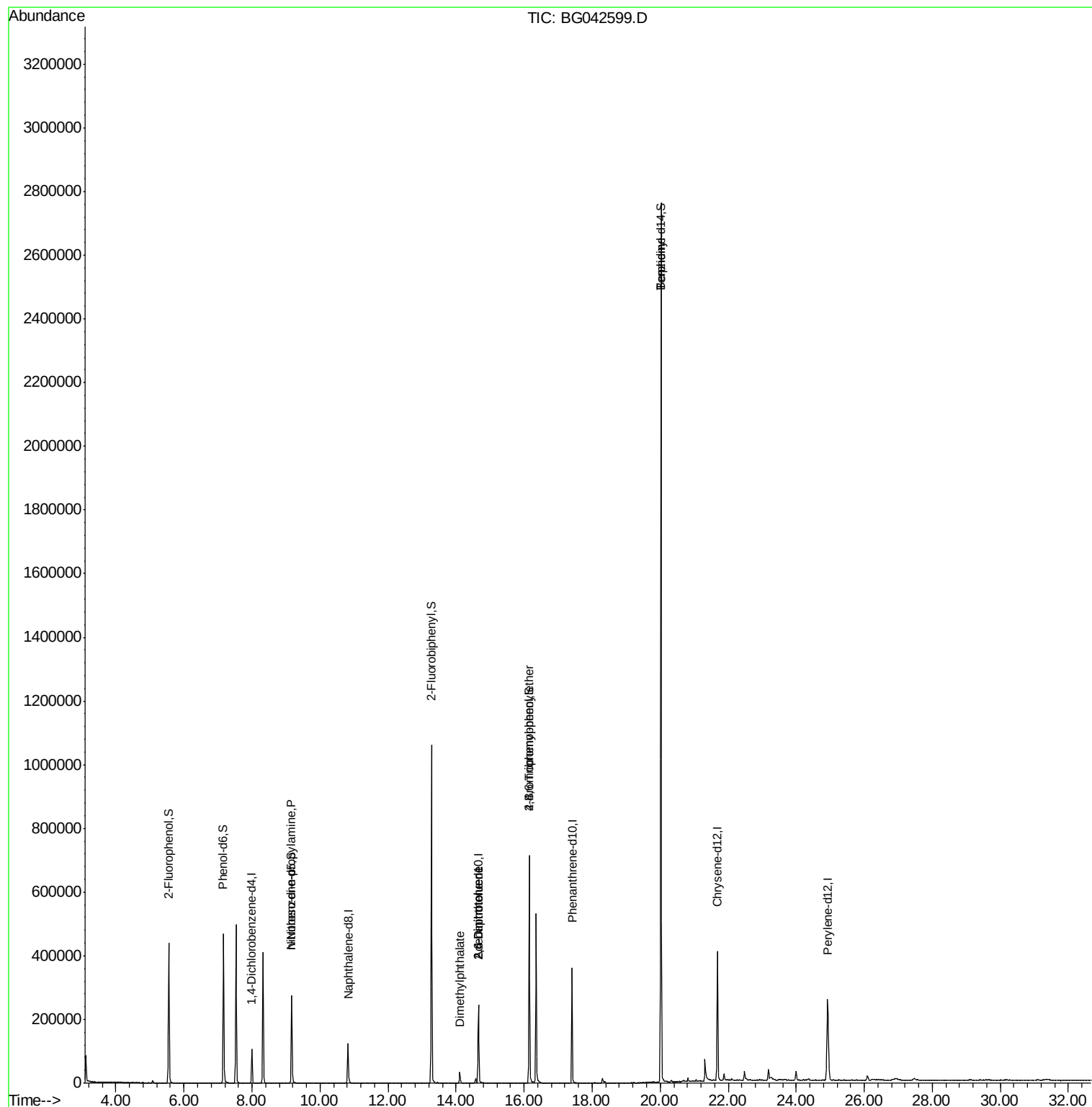
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	37229	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	139144	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	104971	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	252743	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	269687	20.00	ng	-0.01
87) Perylene-d12	24.92	264	319032	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	225064	122.44	ng	0.00
7) Phenol-d6	7.16	99	309276	124.56	ng	-0.01
23) Nitrobenzene-d5	9.16	82	180396	89.59	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	181304	121.52	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	629204	101.38	ng	0.00
79) Terphenyl-d14	20.02	244	1519669	121.82	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.16	70	23126	14.376	ng	# 76
50) Dimethylphthalate	14.11	163	38496	5.083	ng	# 97
51) 2,6-Dinitrotoluene	14.65	165	13243	7.543	ng	# 36
57) 2,4-Dinitrotoluene	14.65	165	13243	5.268	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	12236	3.817	ng	# 1
77) Benzidine	20.02	184	19787	2.559	ng	# 93

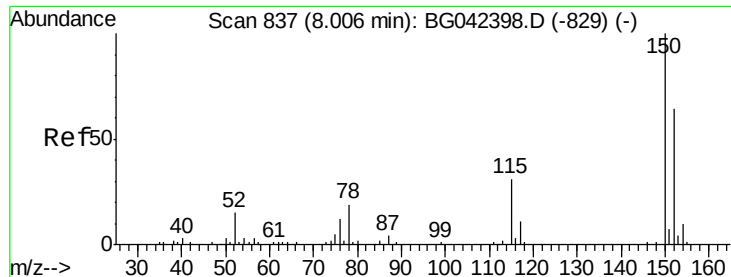
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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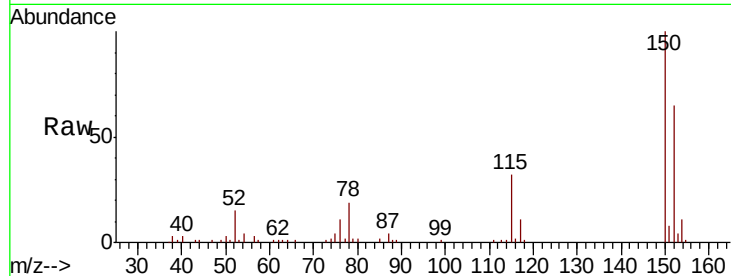


#1

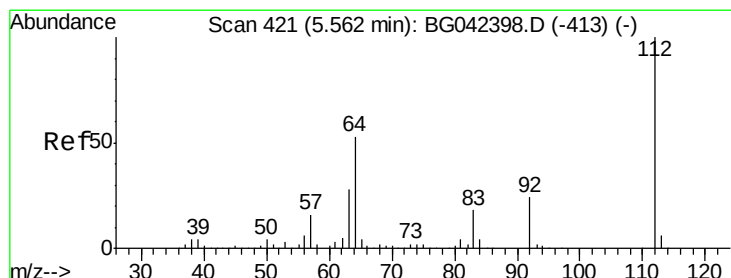
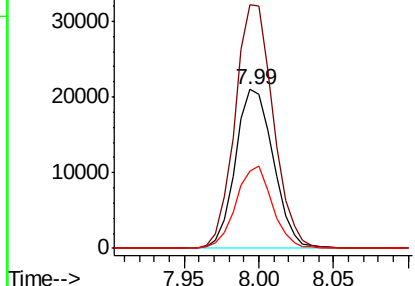
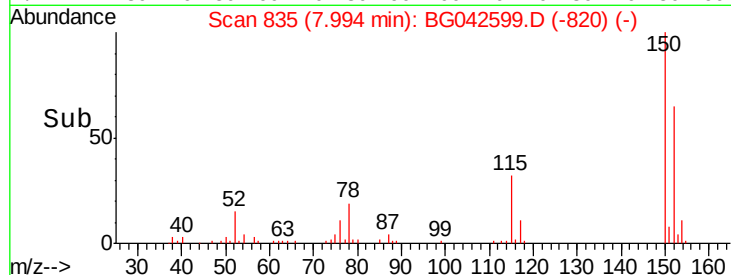
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042599.D
Acq: 30 Aug 2019 14:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 37229
Ion Ratio Lower Upper
152 100
150 153.1 125.4 188.0
115 48.3 38.5 57.7



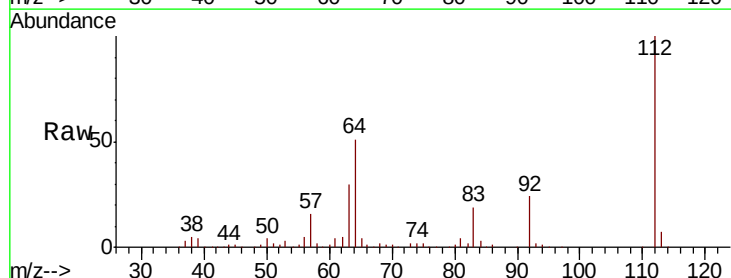
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



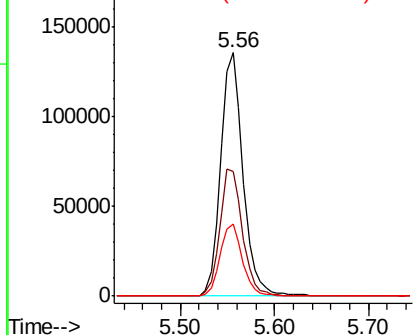
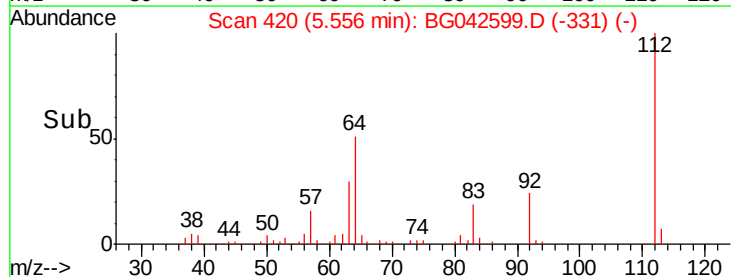
#5

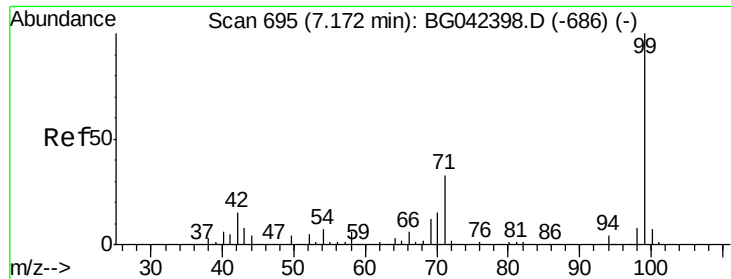
2-Fluorophenol
Concen: 122.437 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042599.D
Acq: 30 Aug 2019 14:09

Tgt Ion:112 Resp: 225064
Ion Ratio Lower Upper
112 100
64 51.3 42.8 64.2
63 29.6 22.7 34.1



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: 124.557 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042599.D

Acq: 30 Aug 2019 14:09

Instrument :

BNA_G

ClientSampleId :

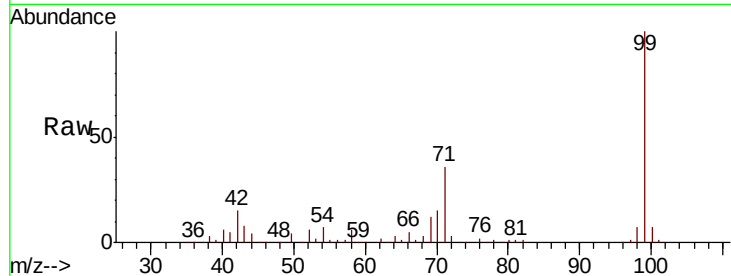
Tot Ion: 99 Resp: 309276

Ion Ratio Lower Upper

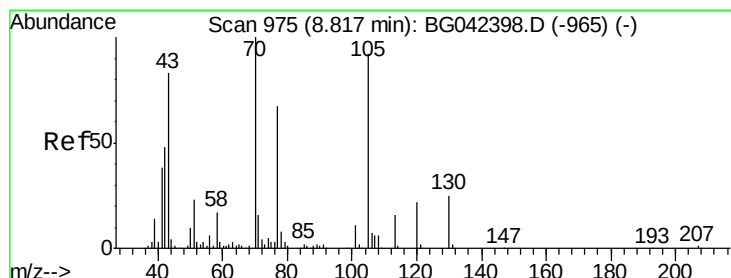
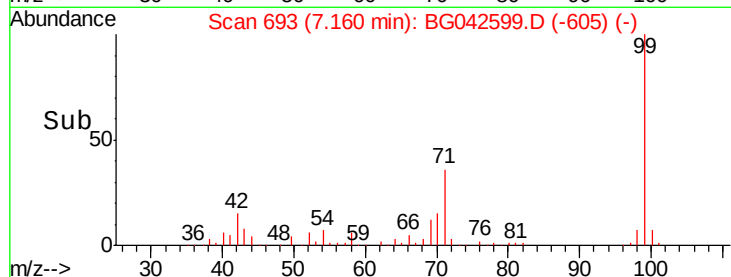
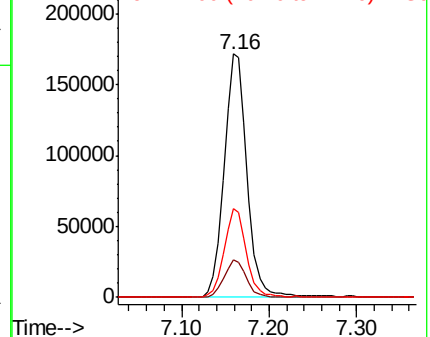
99 100

42 15.5 12.0 18.0

71 36.3 26.3 39.5



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: 14.376 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042599.D

Acq: 30 Aug 2019 14:09

Tgt Ion: 70 Resp: 23126

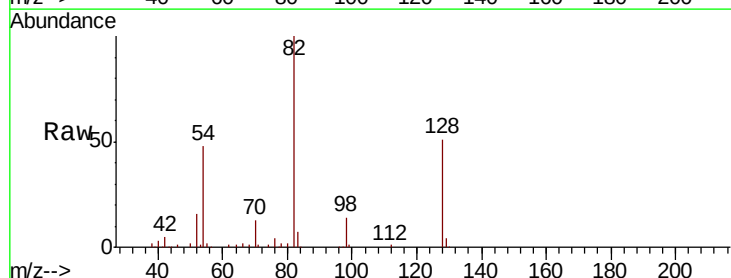
Ion Ratio Lower Upper

70 100

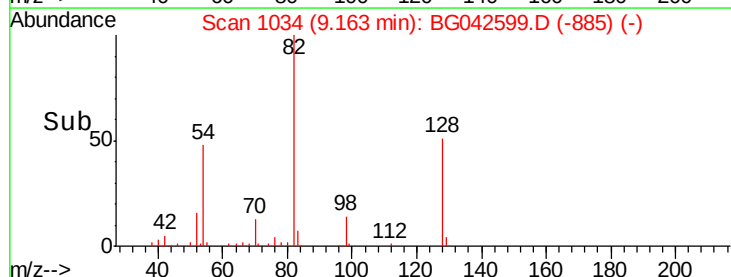
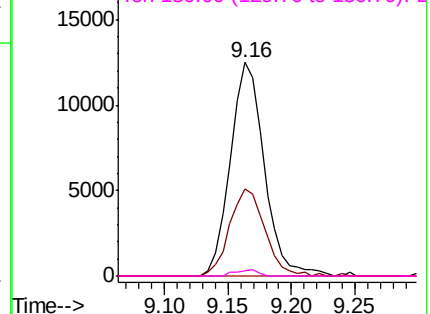
42 40.8 38.8 58.2

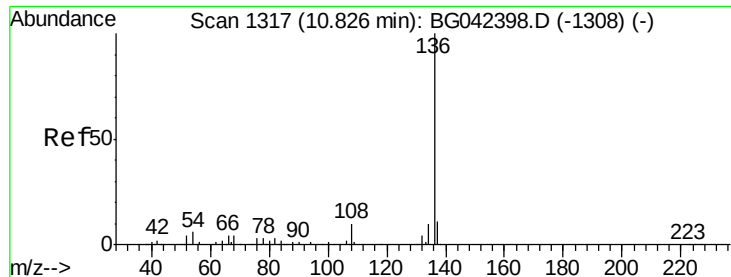
101 0.0 9.0 13.6#

130 2.3 20.0 30.0#



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: 10.82 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BG042599.D

Acq: 30 Aug 2019 14:09

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 139144

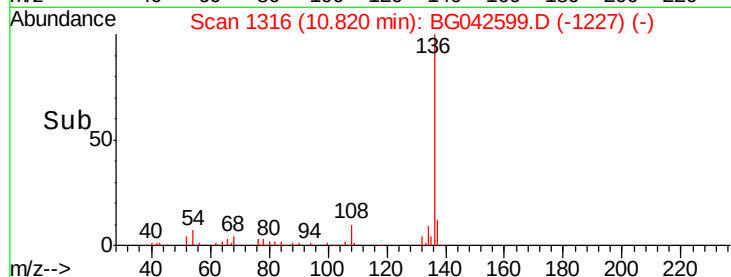
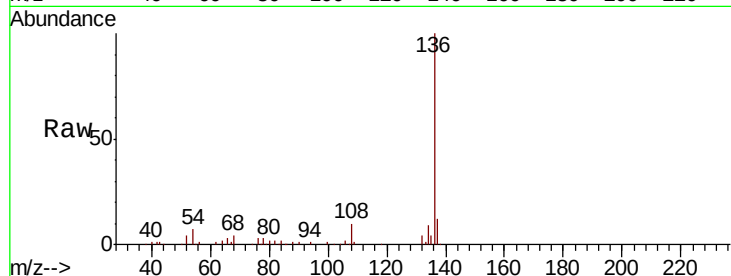
Ion Ratio Lower Upper

136 100

137 11.6 8.7 13.1

54 6.6 4.9 7.3

68 3.5 3.6 5.4#

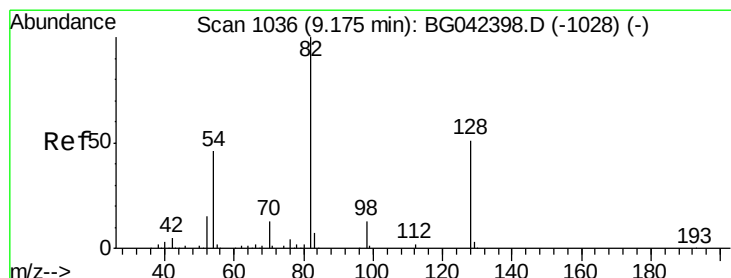
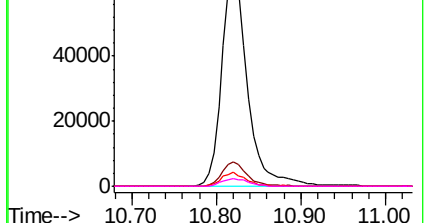


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 89.591 ng

RT: 9.16 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BG042599.D

Acq: 30 Aug 2019 14:09

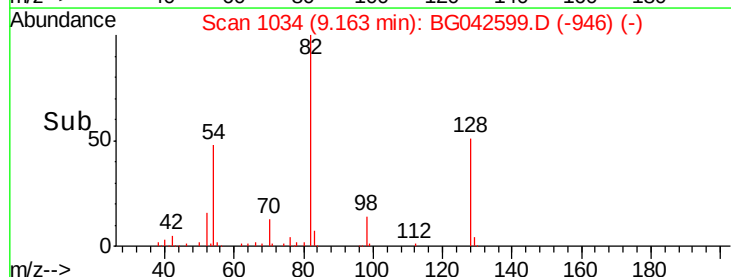
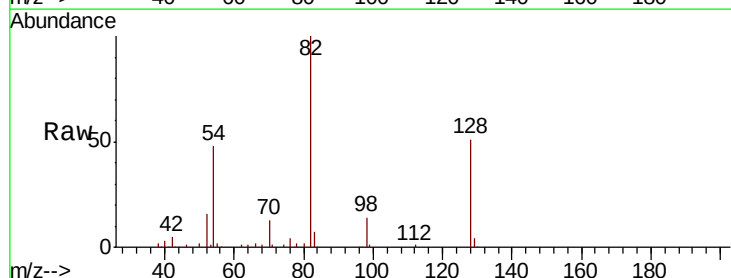
Tgt Ion: 82 Resp: 180396

Ion Ratio Lower Upper

82 100

128 50.6 40.7 61.1

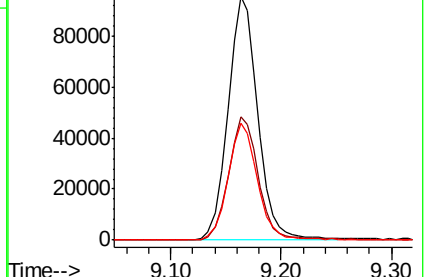
54 47.9 36.3 54.5

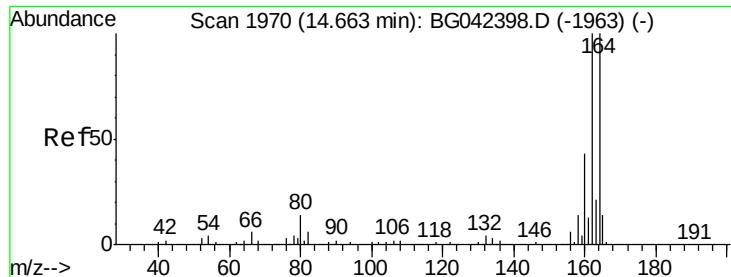


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BG042599.D

Acq: 30 Aug 2019 14:09

Instrument :

BNA_G

ClientSampleId :

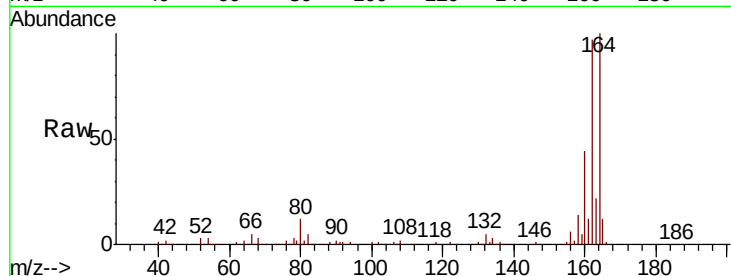
Tot Ion:164 Resp: 104971

Ion Ratio Lower Upper

164 100

162 97.0 79.9 119.9

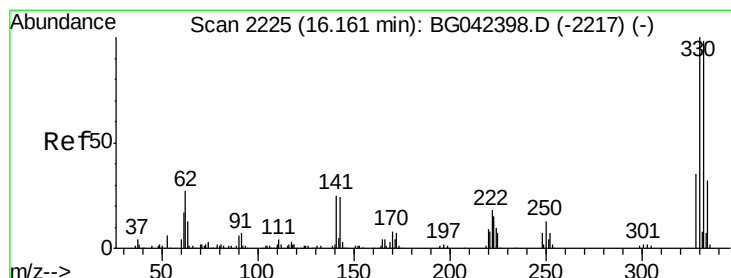
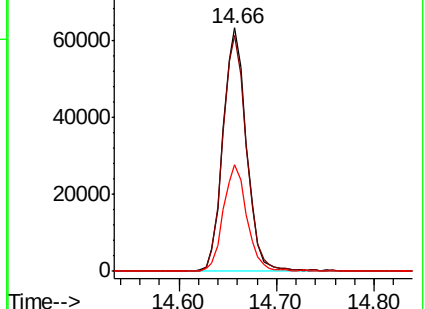
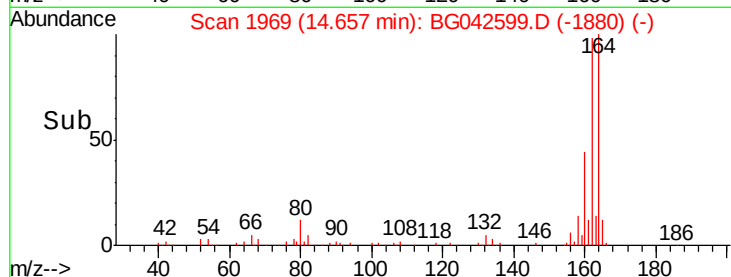
160 44.0 34.3 51.5



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: 121.518 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042599.D

Acq: 30 Aug 2019 14:09

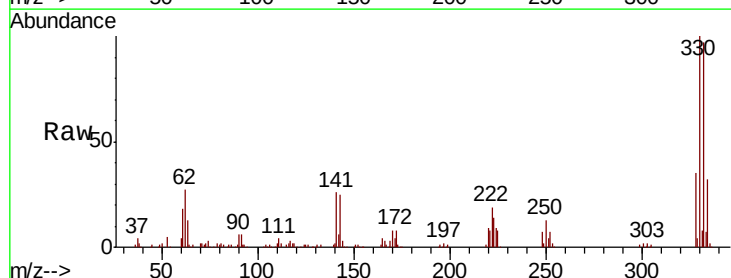
Tgt Ion:330 Resp: 181304

Ion Ratio Lower Upper

330 100

332 98.8 77.4 116.0

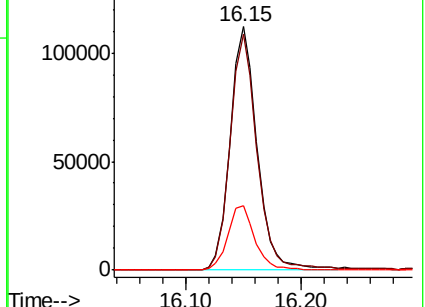
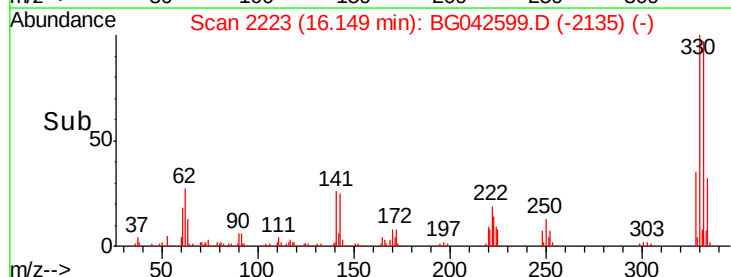
141 26.8 21.4 32.0

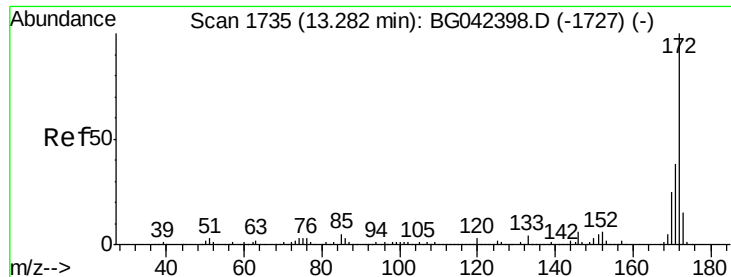


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

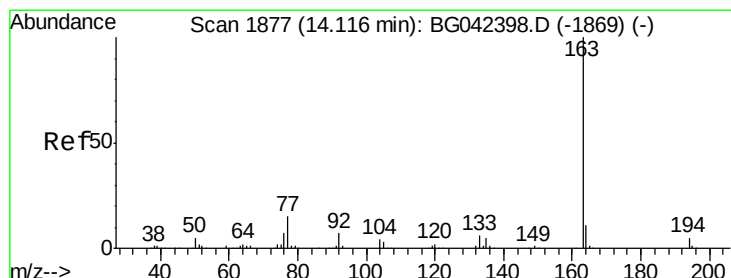
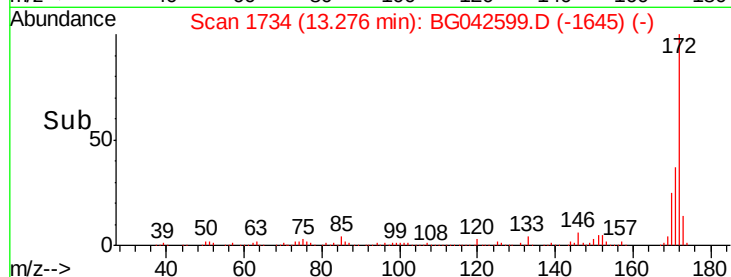
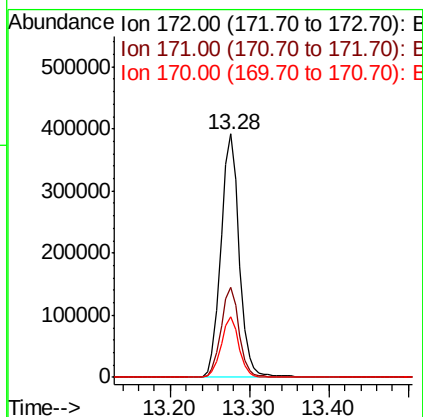
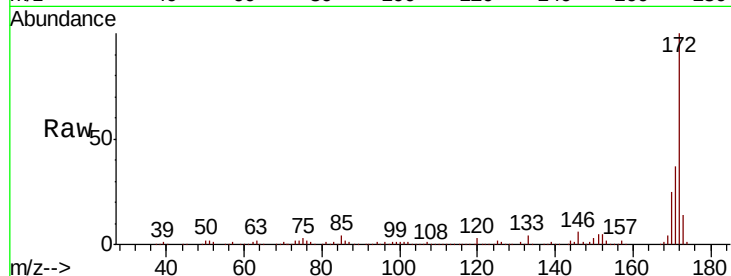




#45
2-Fluorobiphenyl
Concen: 101.377 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.01 min
Lab File: BG042599.D
Acq: 30 Aug 2019 14:09

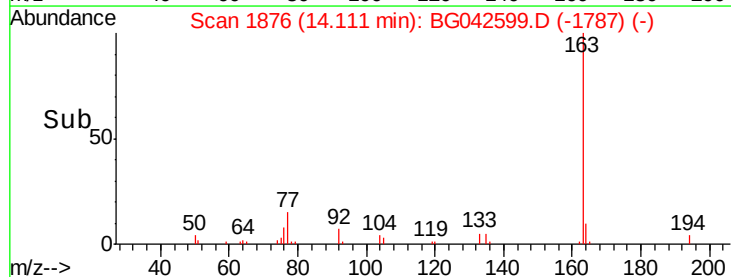
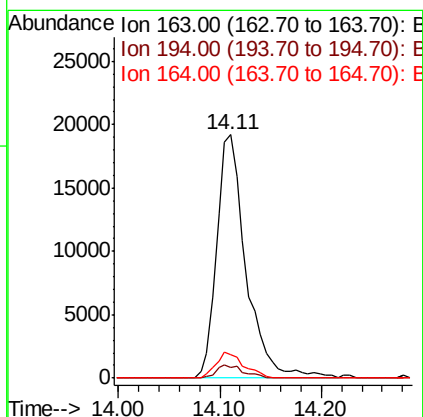
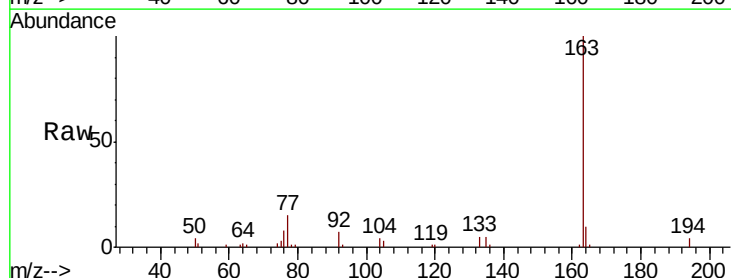
Instrument :
BNA_G
ClientSampled :

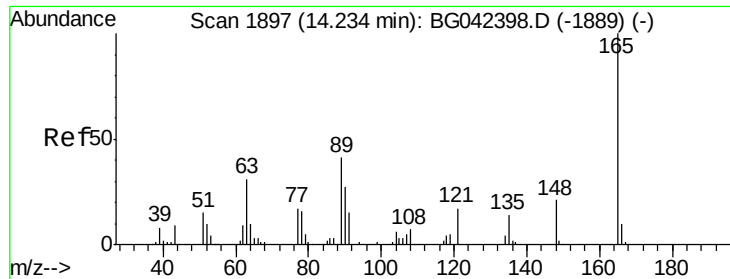
Tot Ion:172 Resp: 629204
Ion Ratio Lower Upper
172 100
171 36.8 30.5 45.7
170 24.8 20.2 30.2



#50
Dimethylphthalate
Concen: 5.083 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042599.D
Acq: 30 Aug 2019 14:09

Tgt Ion:163 Resp: 38496
Ion Ratio Lower Upper
163 100
194 4.3 4.2 6.2
164 9.6 8.8 13.2

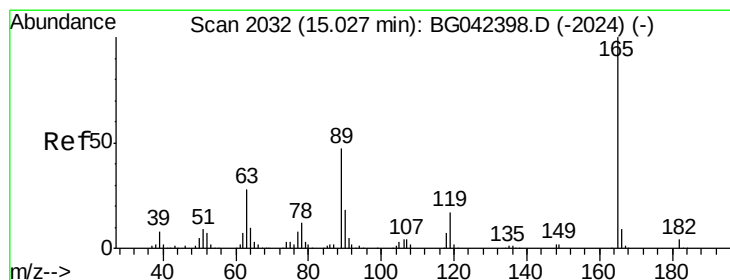
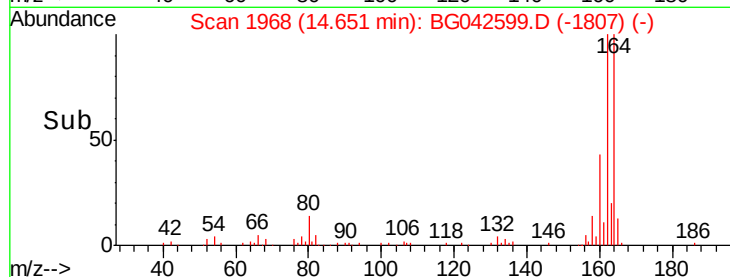
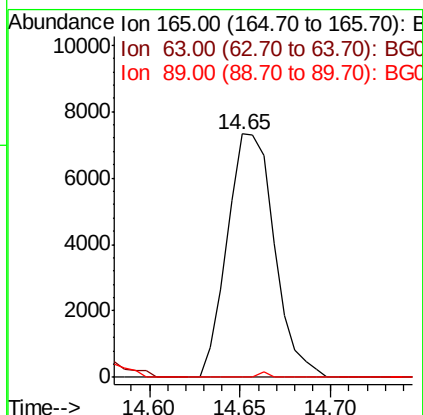
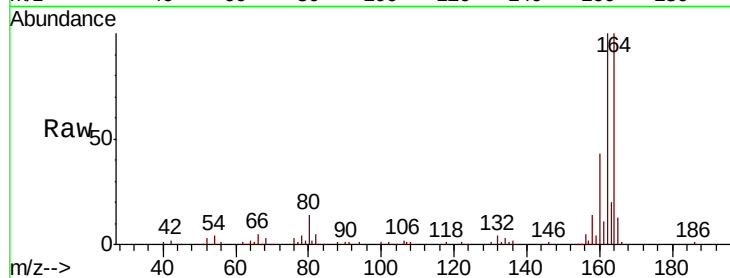




#51
 2,6-Dinitrotoluene
 Concen: 7.543 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.42 min
 Lab File: BG042599.D
 Acq: 30 Aug 2019 14:09

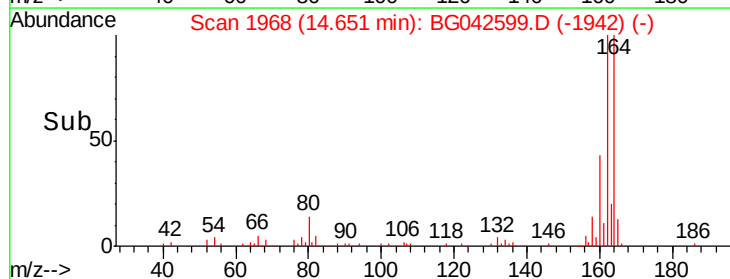
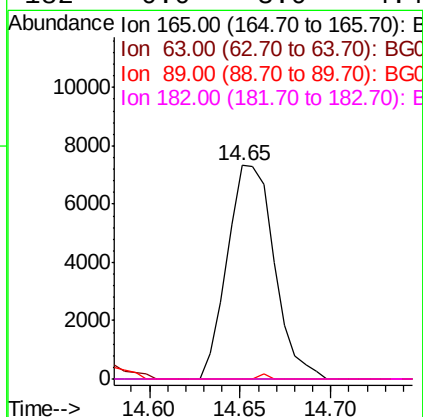
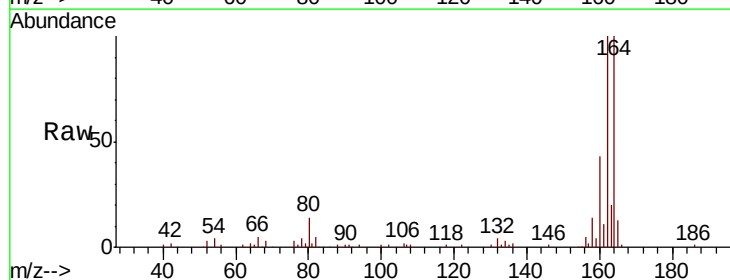
Instrument :
 BNA_G
 ClientSampleId :

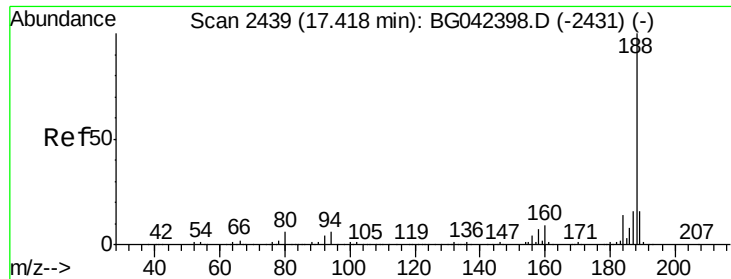
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.6	45.8#
89	0.0	32.6	49.0#



#57
 2,4-Dinitrotoluene
 Concen: 5.268 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.38 min
 Lab File: BG042599.D
 Acq: 30 Aug 2019 14:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.5	33.7#
89	0.0	37.8	56.6#
182	0.0	3.0	4.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG042599.D

Acq: 30 Aug 2019 14:09

Instrument :

BNA_G

ClientSampleId :

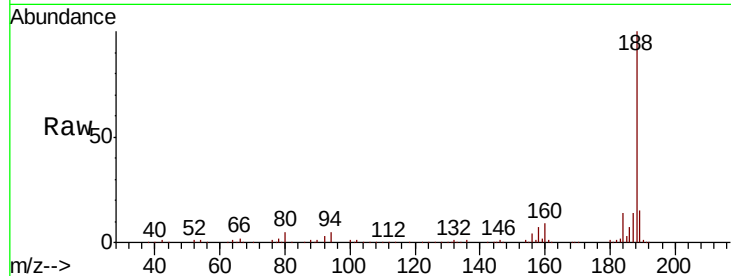
Tot Ion:188 Resp: 252743

Ion Ratio Lower Upper

188 100

94 4.9 4.5 6.7

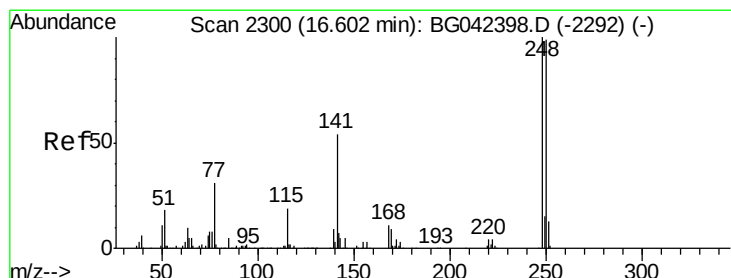
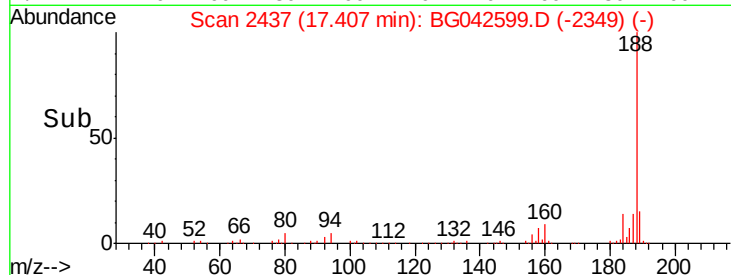
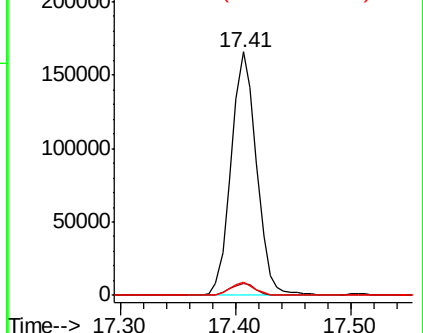
80 5.4 4.9 7.3



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: 3.817 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042599.D

Acq: 30 Aug 2019 14:09

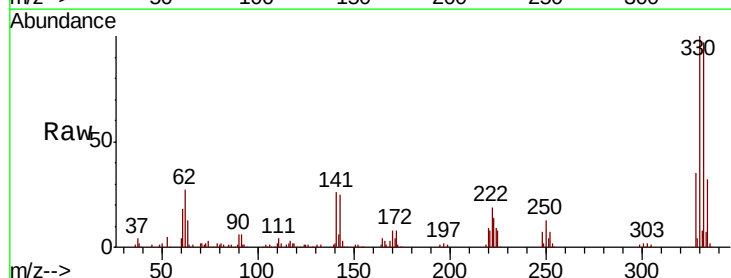
Tgt Ion:248 Resp: 12236

Ion Ratio Lower Upper

248 100

250 185.4 78.9 118.3#

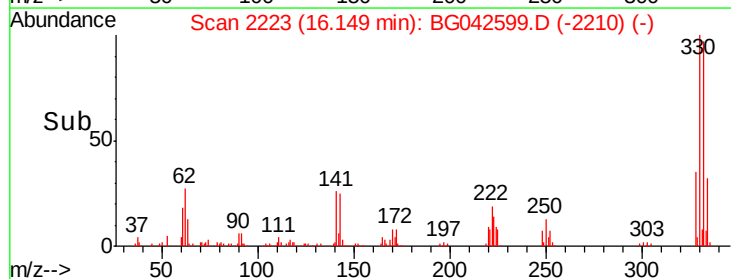
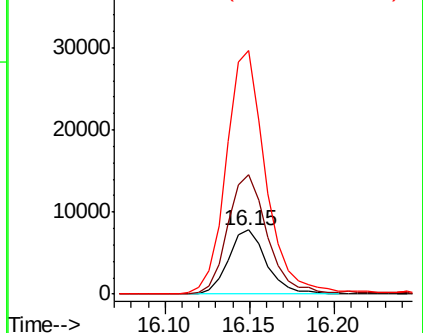
141 379.8 43.3 64.9#

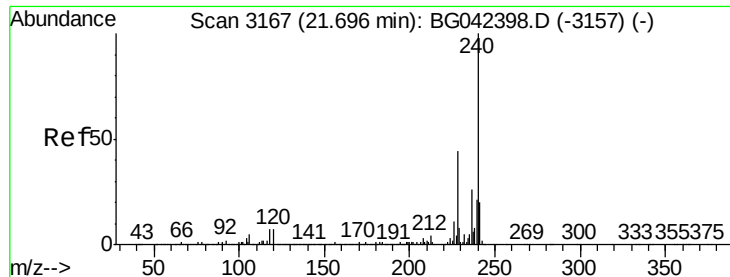


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

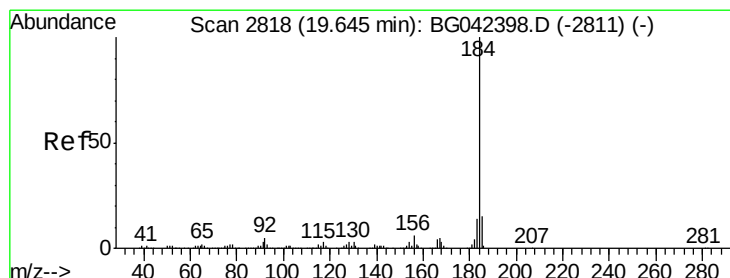
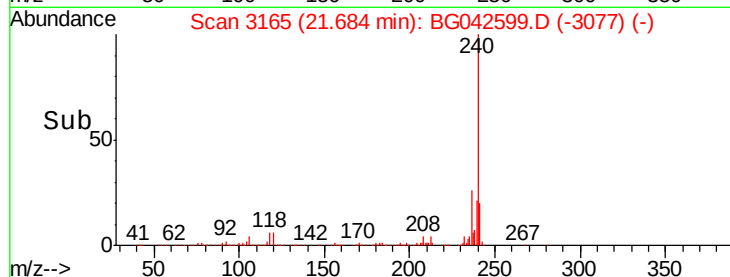
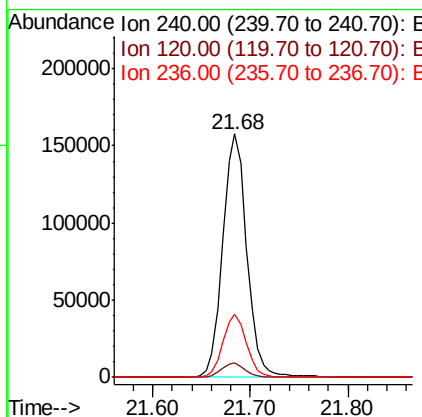
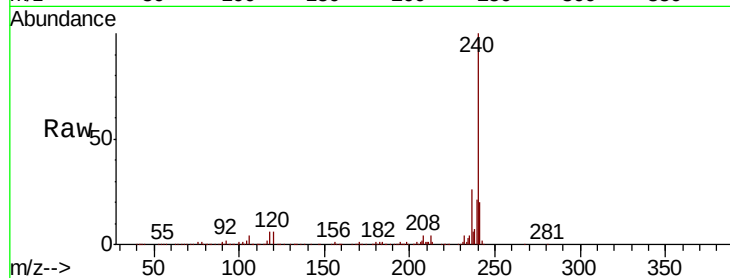




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042599.D
Acq: 30 Aug 2019 14:09

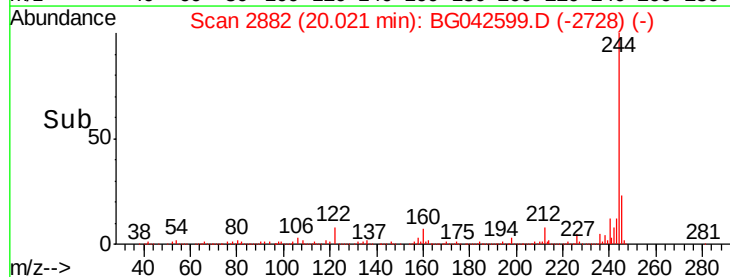
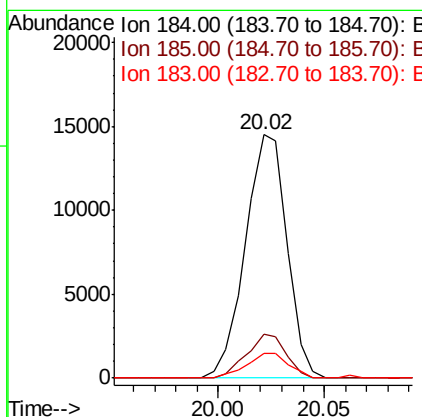
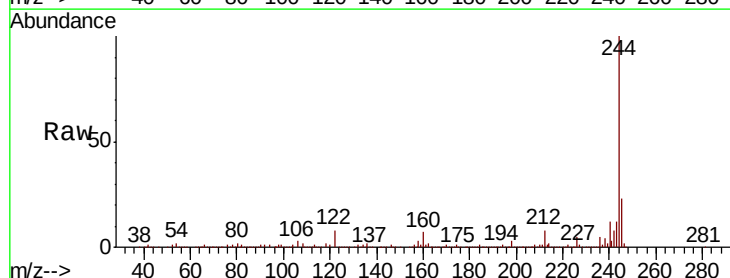
Instrument :
BNA_G
ClientSampleId :

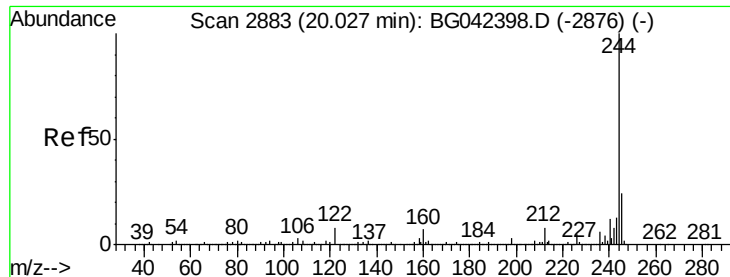
Tot Ion	Ratio	Lower	Upper
240	100		
120	5.8	5.7	8.5
236	25.9	21.0	31.4



#77
Benzidine
Concen: 2.559 ng
RT: 20.02 min Scan# 2882
Delta R.T. 0.38 min
Lab File: BG042599.D
Acq: 30 Aug 2019 14:09

Tgt Ion	Ratio	Lower	Upper
184	100		
185	18.0	12.2	18.4
183	10.1	10.8	16.2#





#79

Terphenyl-d14

Concen: 121.823 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042599.D

Acq: 30 Aug 2019 14:09

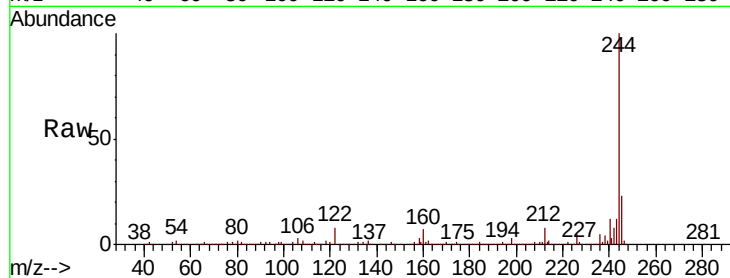
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1519669

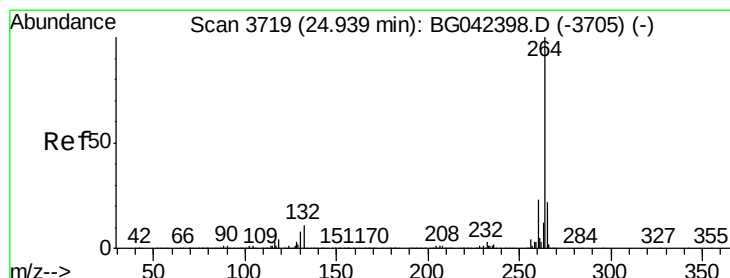
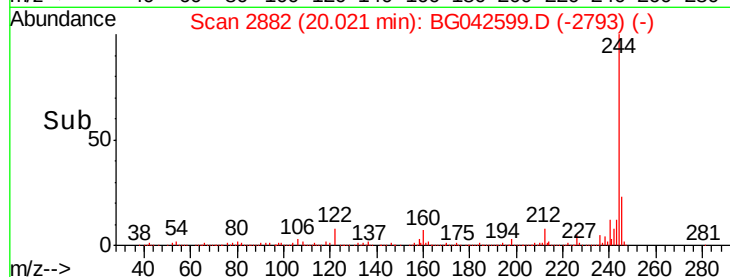
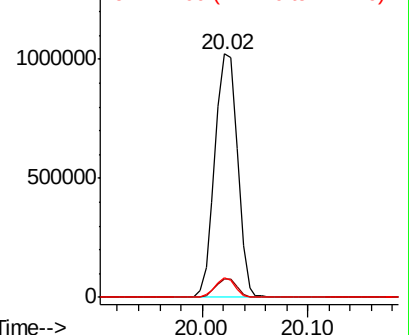
Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.0	9.0
122	7.9	6.7	10.1



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: 24.92 min Scan# 3716

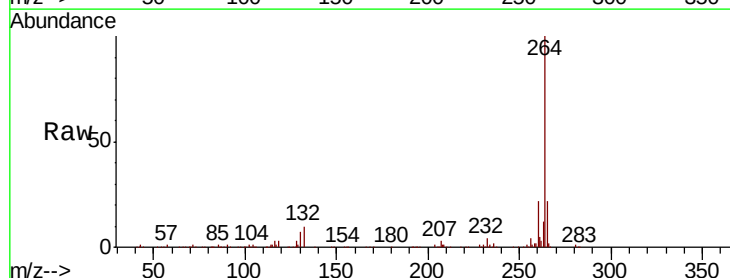
Delta R.T. -0.02 min

Lab File: BG042599.D

Acq: 30 Aug 2019 14:09

Tgt Ion:264 Resp: 319032

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.5	27.7
265	22.2	17.6	26.4



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

