

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\
 Data File : BG042656.D
 Acq On : 1 Sep 2019 6:37
 Operator : HP/JU
 Sample : K4603-21
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 02 08:01:15 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

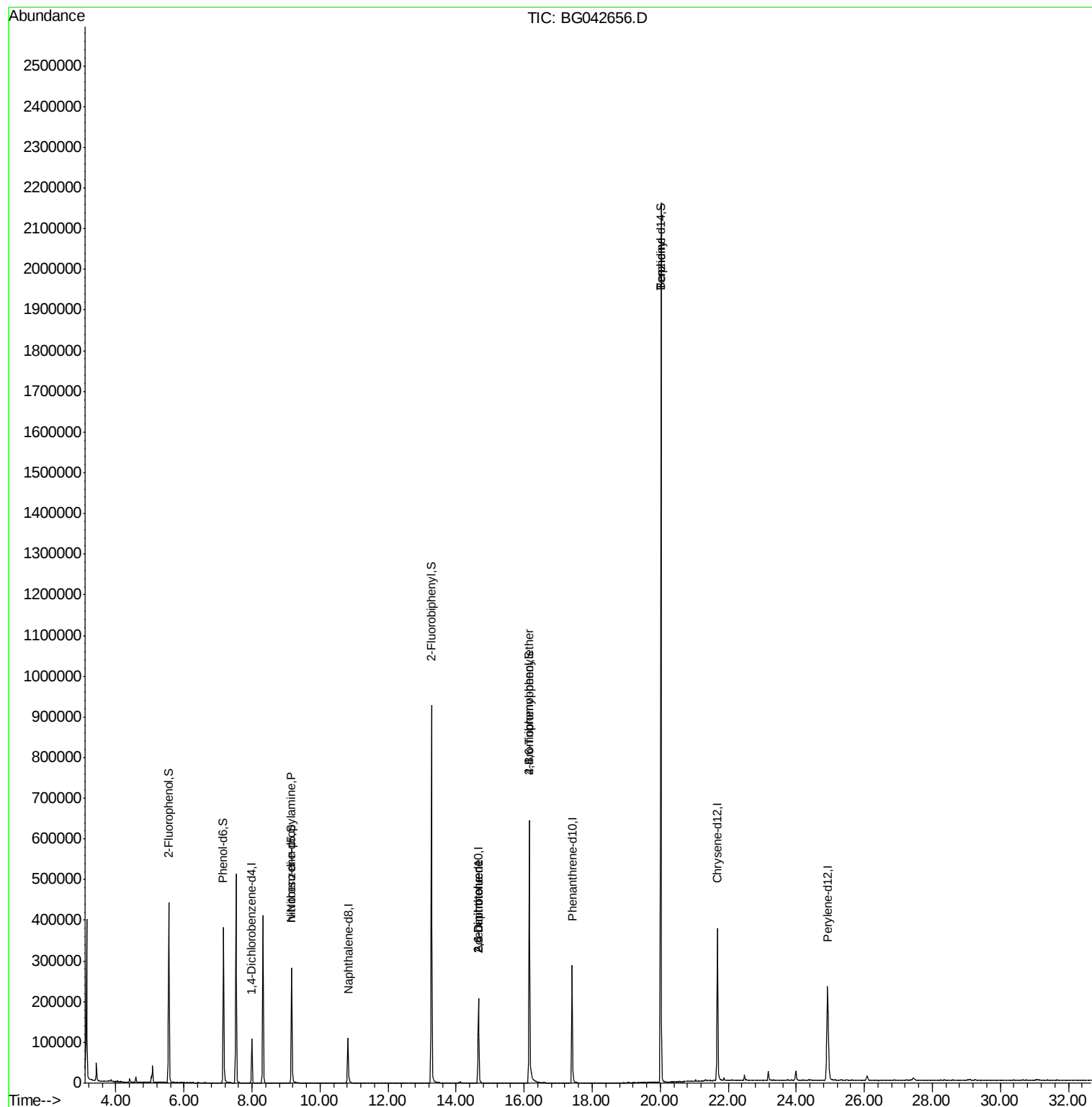
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	35304	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	130852	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	97130	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	232350	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	263209	20.00	ng	-0.01
87) Perylene-d12	24.92	264	304387	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	218773	125.50	ng	0.00
7) Phenol-d6	7.16	99	259676	110.28	ng	-0.01
23) Nitrobenzene-d5	9.16	82	187465	99.00	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	199789	144.72	ng	-0.01
45) 2-Fluorobiphenyl	13.27	172	590152	102.76	ng	0.00
79) Terphenyl-d14	20.02	244	1235196	101.46	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.16	70	24217	15.875	ng	# 75
51) 2,6-Dinitrotoluene	14.66	165	12271	7.554	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	12271	5.275	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	13021	4.418	ng	# 1
77) Benzidine	20.02	184	15348	2.034	ng	# 95

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

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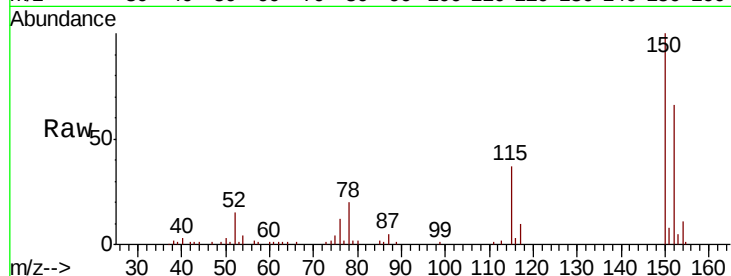


#1

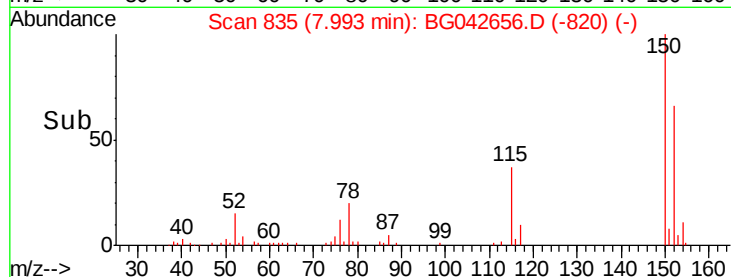
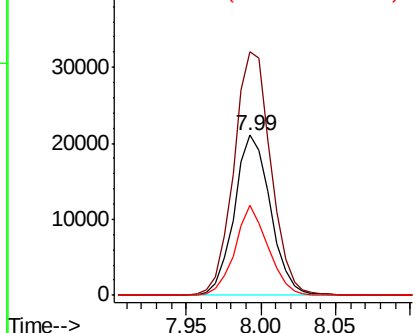
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042656.D
Acq: 1 Sep 2019 6:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 35304
Ion Ratio Lower Upper
152 100
150 152.3 125.4 188.0
115 55.9 38.5 57.7



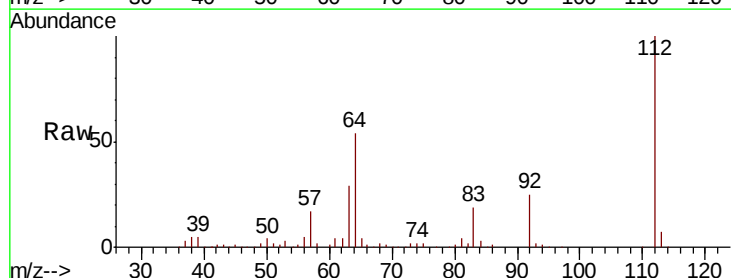
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



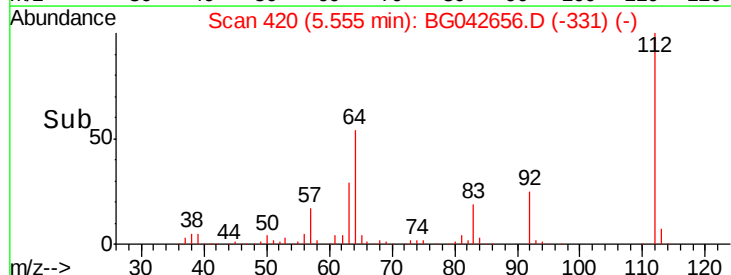
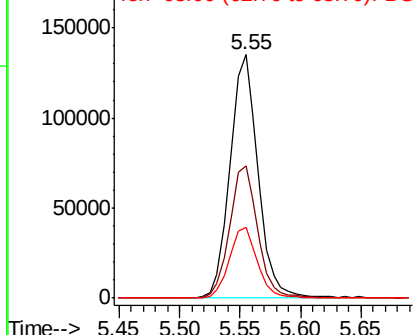
#5

2-Fluorophenol
Concen: 125.504 ng
RT: 5.55 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042656.D
Acq: 1 Sep 2019 6:37

Tgt Ion:112 Resp: 218773
Ion Ratio Lower Upper
112 100
64 54.3 42.8 64.2
63 29.2 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: 110.284 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042656.D

Acq: 1 Sep 2019 6:37

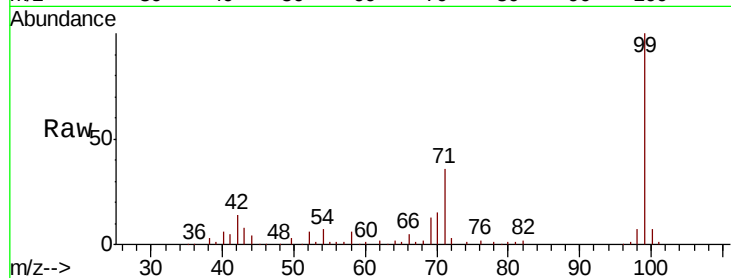
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 259676

Ion	Ratio	Lower	Upper
99	100		
42	14.3	12.0	18.0
71	36.0	26.3	39.5

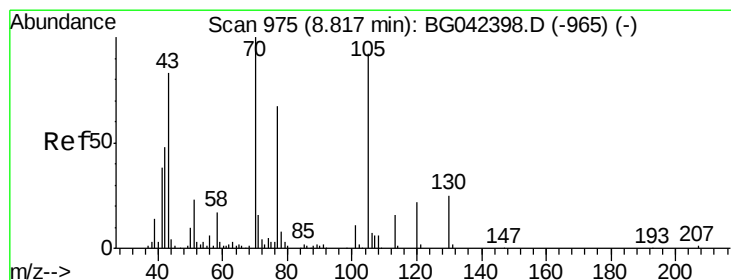
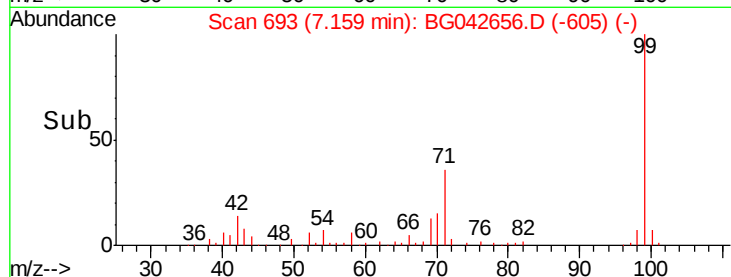
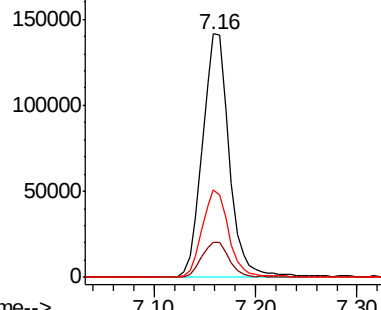


Abundance

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: 15.875 ng

RT: 9.16 min Scan# 1034

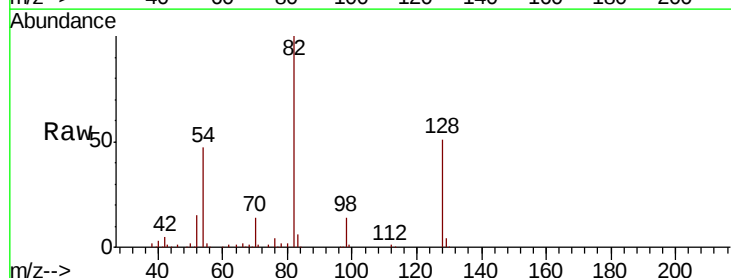
Delta R.T. 0.35 min

Lab File: BG042656.D

Acq: 1 Sep 2019 6:37

Tgt Ion: 70 Resp: 24217

Ion	Ratio	Lower	Upper
70	100		
42	39.5	38.8	58.2
101	0.0	9.0	13.6#
130	2.8	20.0	30.0#



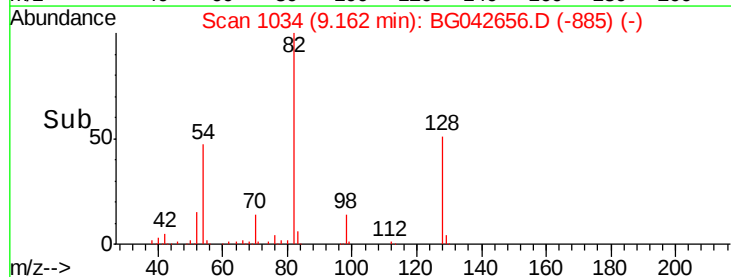
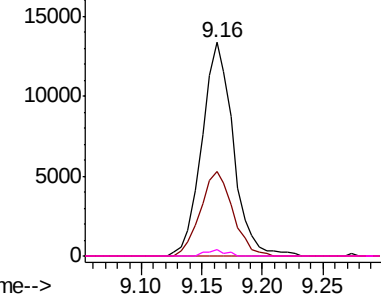
Abundance

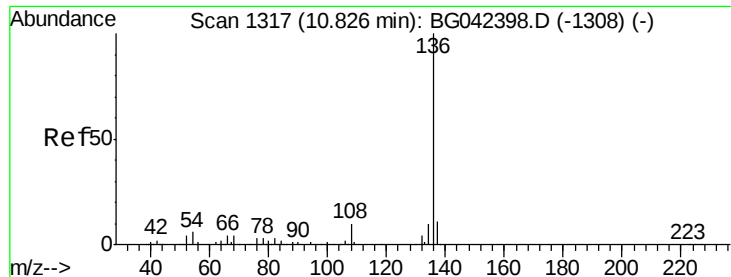
Ion 70.00 (69.70 to 70.70): BGC

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

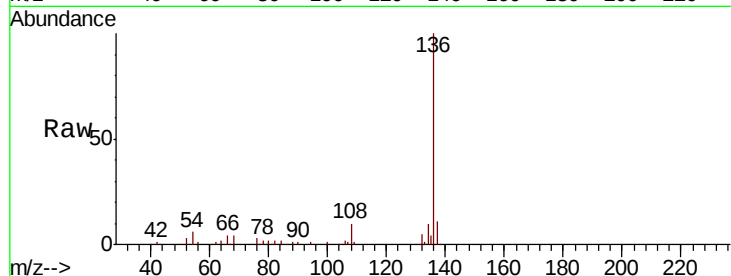




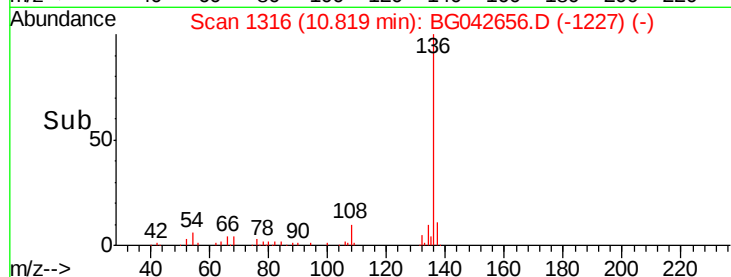
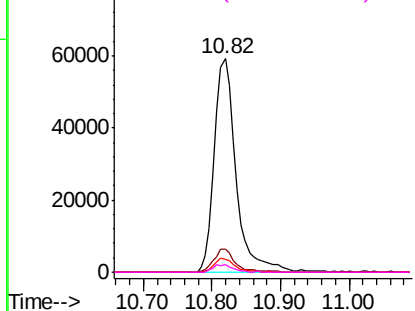
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042656.D
Acq: 1 Sep 2019 6:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	130852
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.7 13.1
54	6.1	4.9 7.3
68	3.9	3.6 5.4

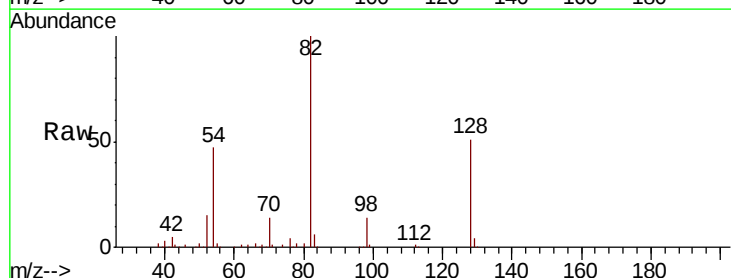


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

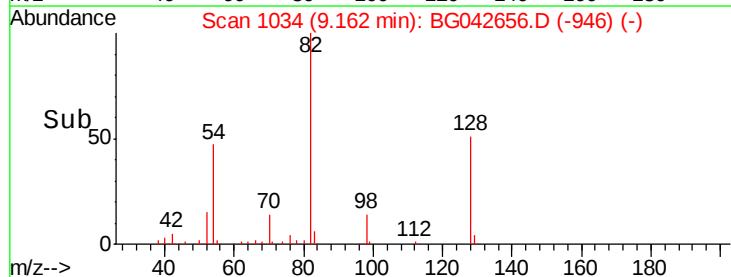
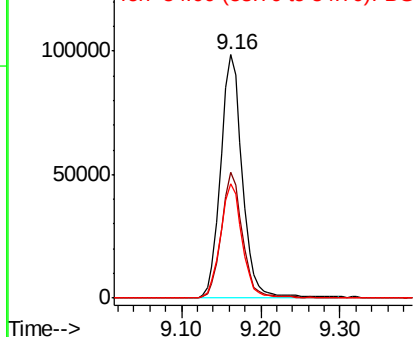


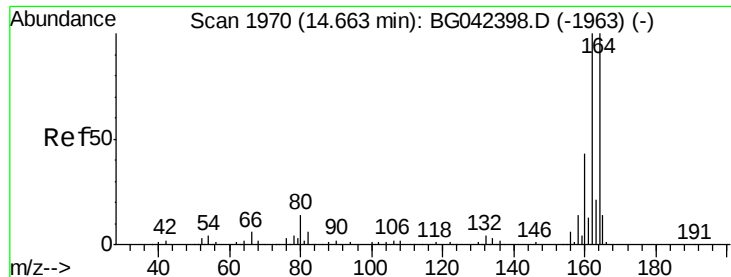
#23
Nitrobenzene-d5
Concen: 99.002 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042656.D
Acq: 1 Sep 2019 6:37

Tgt Ion: 82	Resp:	187465
Ion	Ratio	Lower Upper
82	100	
128	51.5	40.7 61.1
54	46.8	36.3 54.5



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BG042656.D

Acq: 1 Sep 2019 6:37

Instrument :

BNA_G

ClientSampleId :

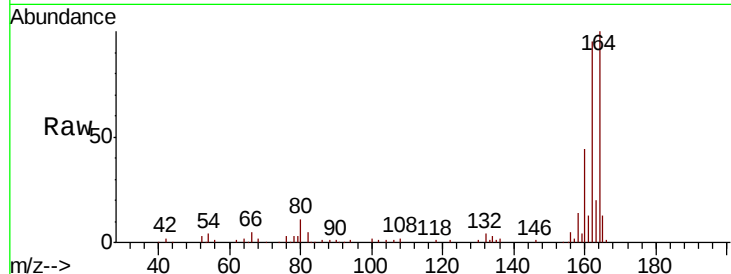
Tot Ion:164 Resp: 97130

Ion Ratio Lower Upper

164 100

162 95.3 79.9 119.9

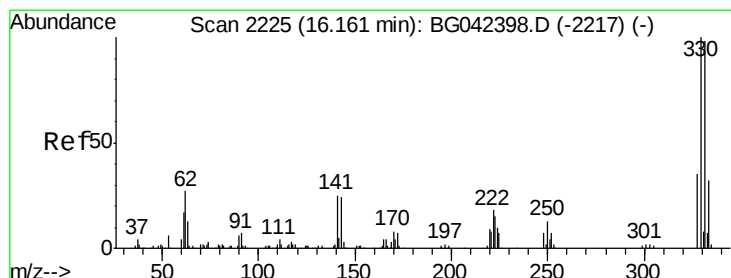
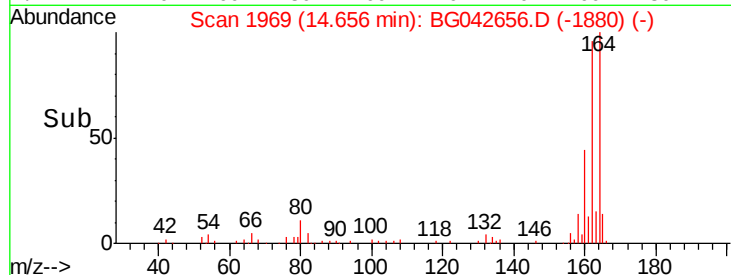
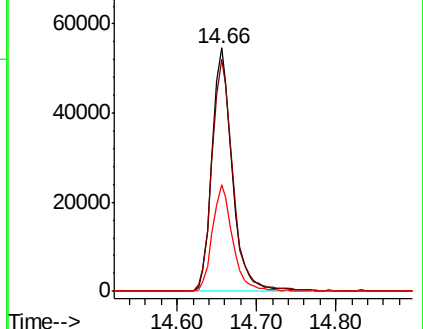
160 43.6 34.3 51.5



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: 144.718 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042656.D

Acq: 1 Sep 2019 6:37

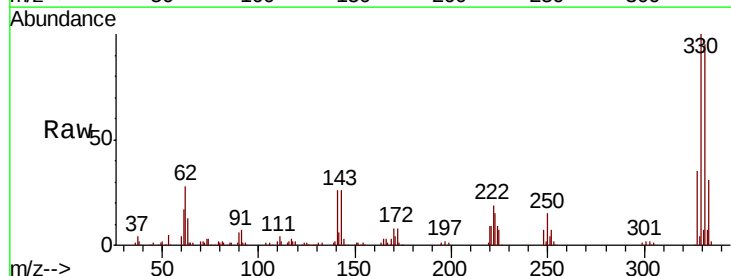
Tgt Ion:330 Resp: 199789

Ion Ratio Lower Upper

330 100

332 96.1 77.4 116.0

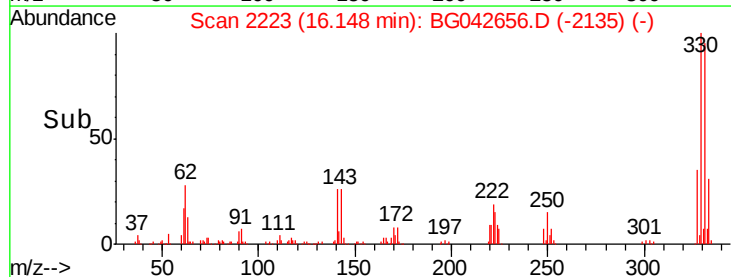
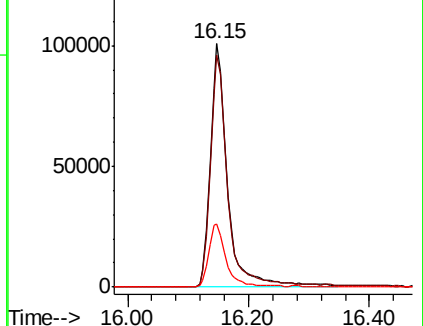
141 26.3 21.4 32.0

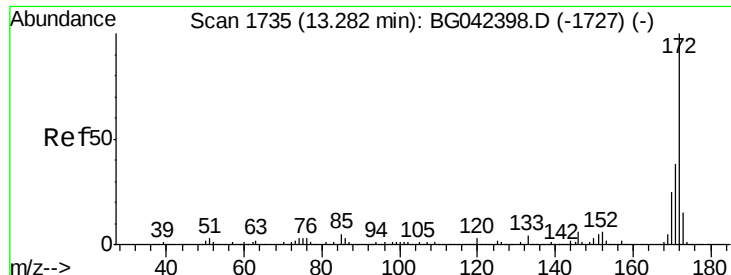


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

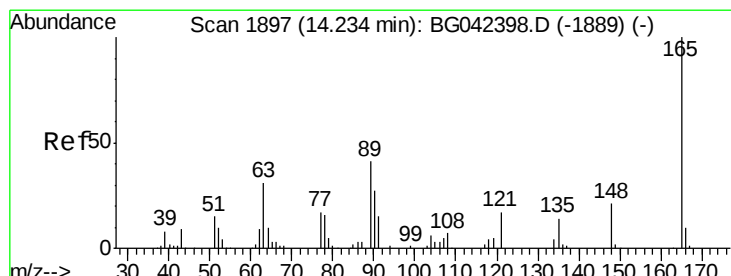
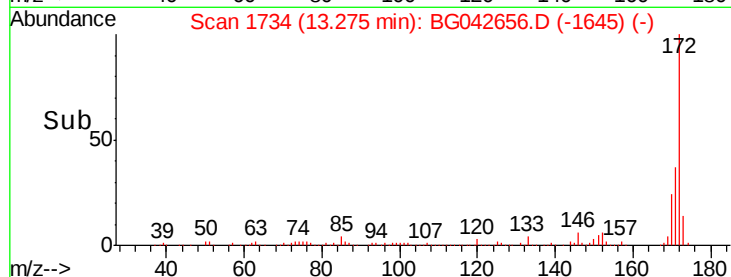
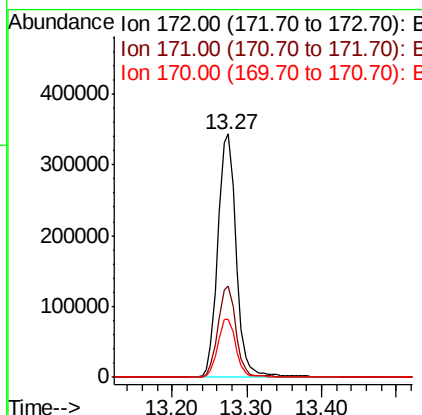
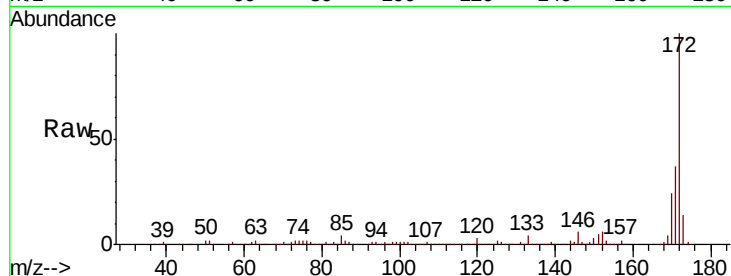




#45
 2-Fluorobiphenyl
 Concen: 102.761 ng
 RT: 13.27 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042656.D
 Acq: 1 Sep 2019 6:37

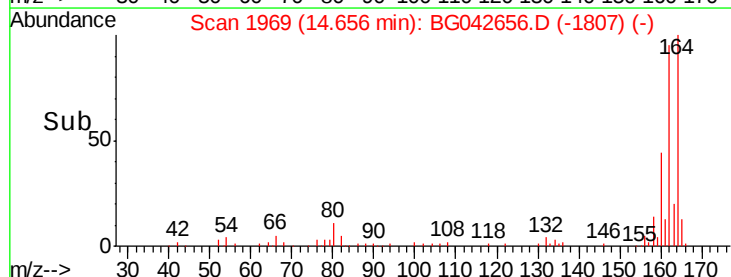
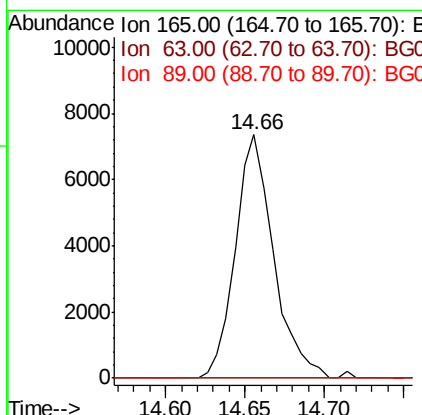
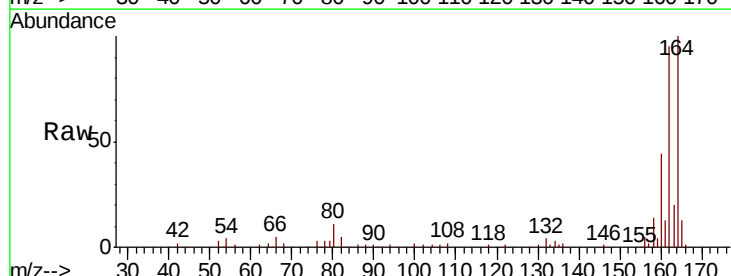
Instrument :
 BNA_G
 ClientSampleId :

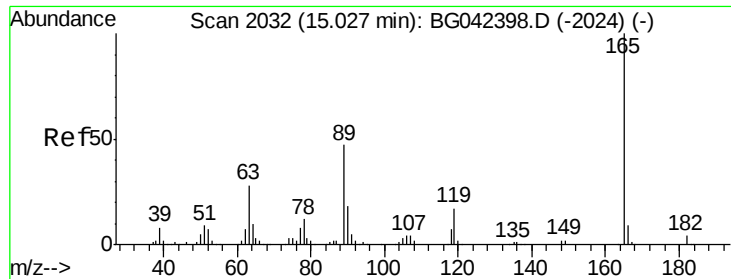
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.5	45.7
170	23.9	20.2	30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.554 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.42 min
 Lab File: BG042656.D
 Acq: 1 Sep 2019 6:37

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

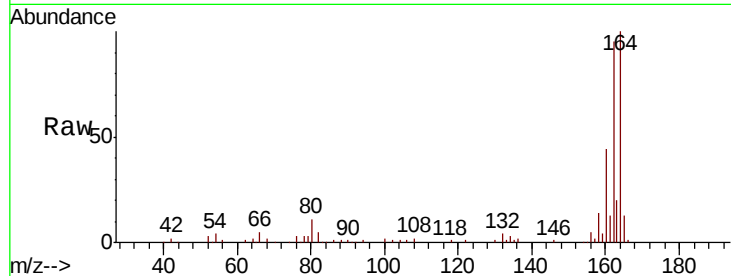




#57
 2,4-Dinitrotoluene
 Concen: 5.275 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042656.D
 Acq: 1 Sep 2019 6:37

Instrument :
 BNA_G
 ClientSampled :

Tot 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#

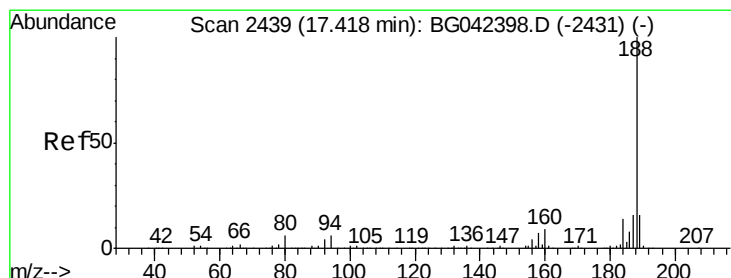
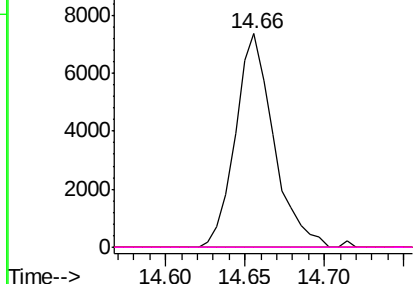
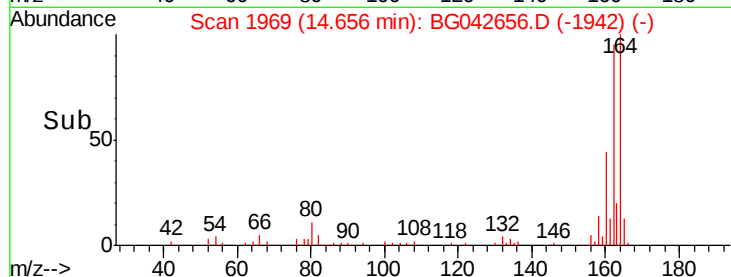


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

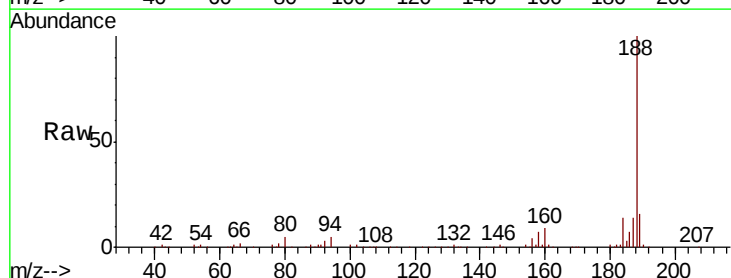
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG042656.D
 Acq: 1 Sep 2019 6:37

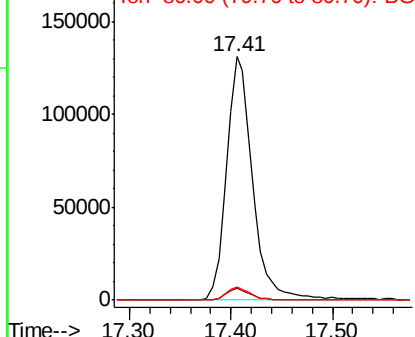
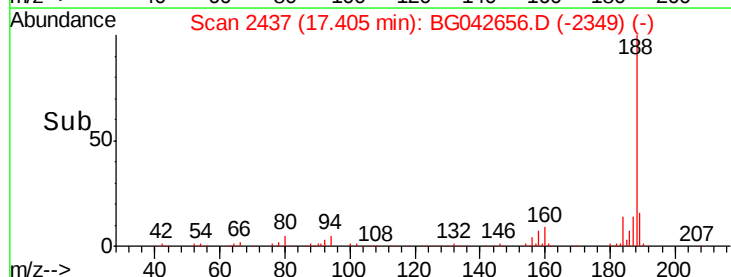
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.9	4.5	6.7
80	5.3	4.9	7.3

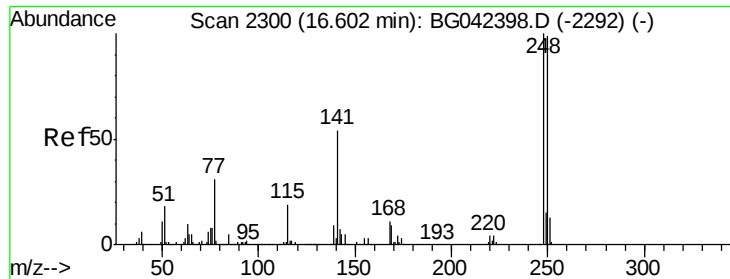


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

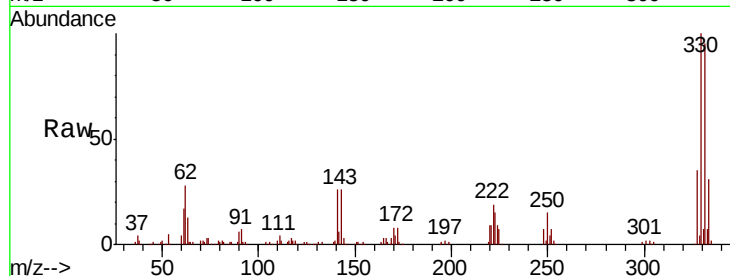




#67
 4-Bromophenyl-phenylether
 Concen: 4.418 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042656.D
 Acq: 1 Sep 2019 6:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	208.5	78.9	118.3#
141	370.4	43.3	64.9#

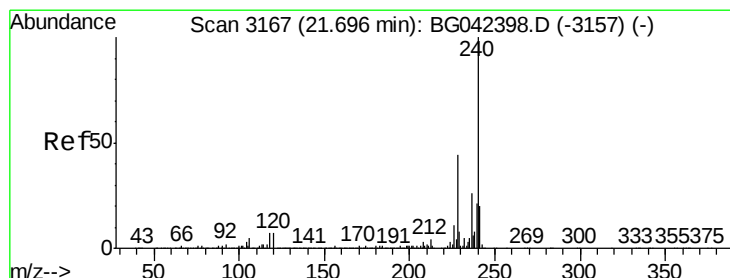
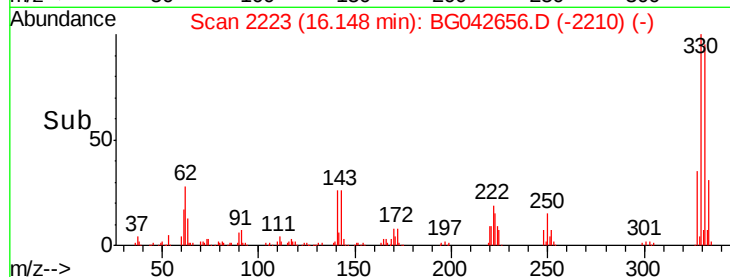
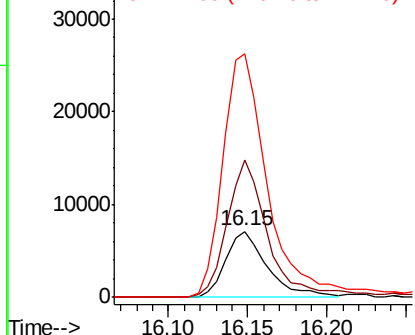


Abundance

Ion 248.00 (247.70 to 248.70): E

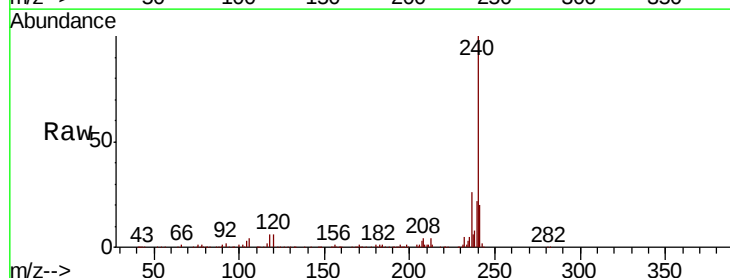
Ion 250.00 (249.70 to 250.70): E

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: BG042656.D
 Acq: 1 Sep 2019 6:37

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

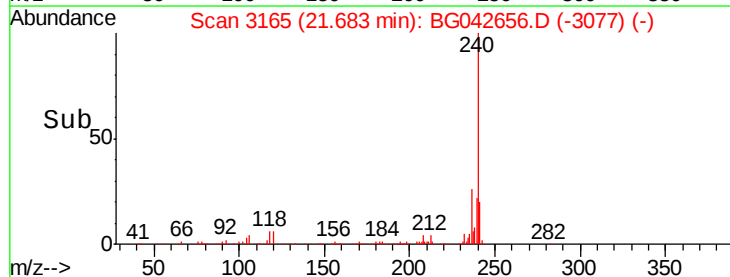
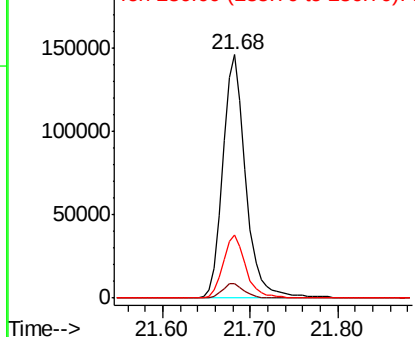


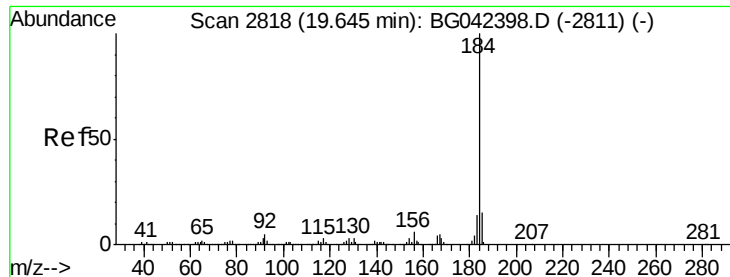
Abundance

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: 2.034 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.37 min

Lab File: BG042656.D

Acq: 1 Sep 2019 6:37

Instrument :

BNA_G

ClientSampleId :

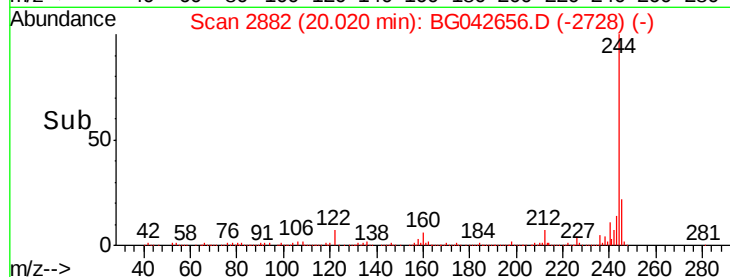
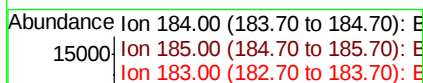
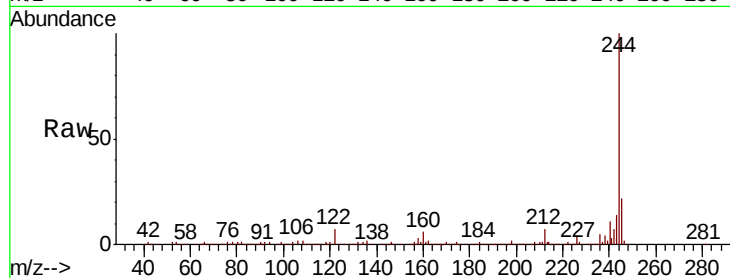
Tot Ion:184 Resp: 15348

Ion Ratio Lower Upper

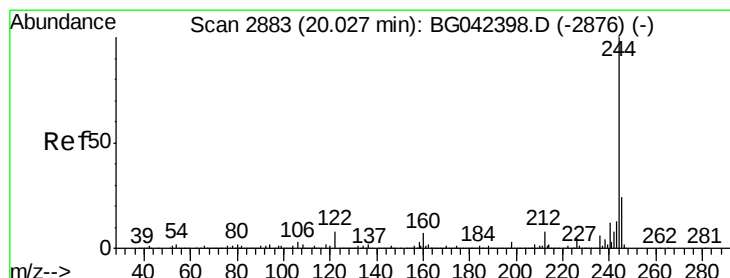
184 100

185 15.3 12.2 18.4

183 9.0 10.8 16.2#



Time-->



#79

Terphenyl-d14

Concen: 101.455 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042656.D

Acq: 1 Sep 2019 6:37

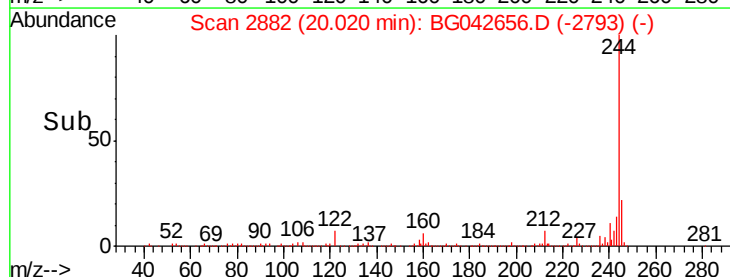
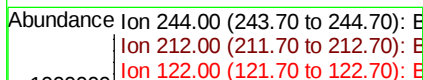
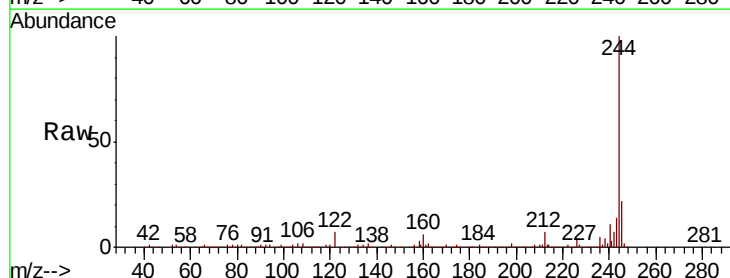
Tgt Ion:244 Resp: 1235196

Ion Ratio Lower Upper

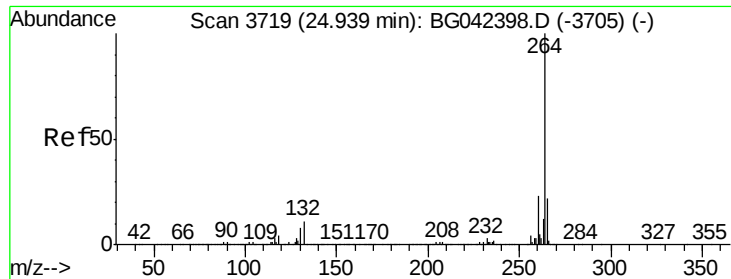
244 100

212 7.3 6.0 9.0

122 6.6 6.7 10.1#



Time-->



#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.02 min
Lab File: BG042656.D
Acq: 1 Sep 2019 6:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.5	27.7
265	22.1	17.6	26.4

