

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\
 Data File : BG042643.D
 Acq On : 31 Aug 2019 22:15
 Operator : HP/JU
 Sample : K4544-21
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 01 00:12:04 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

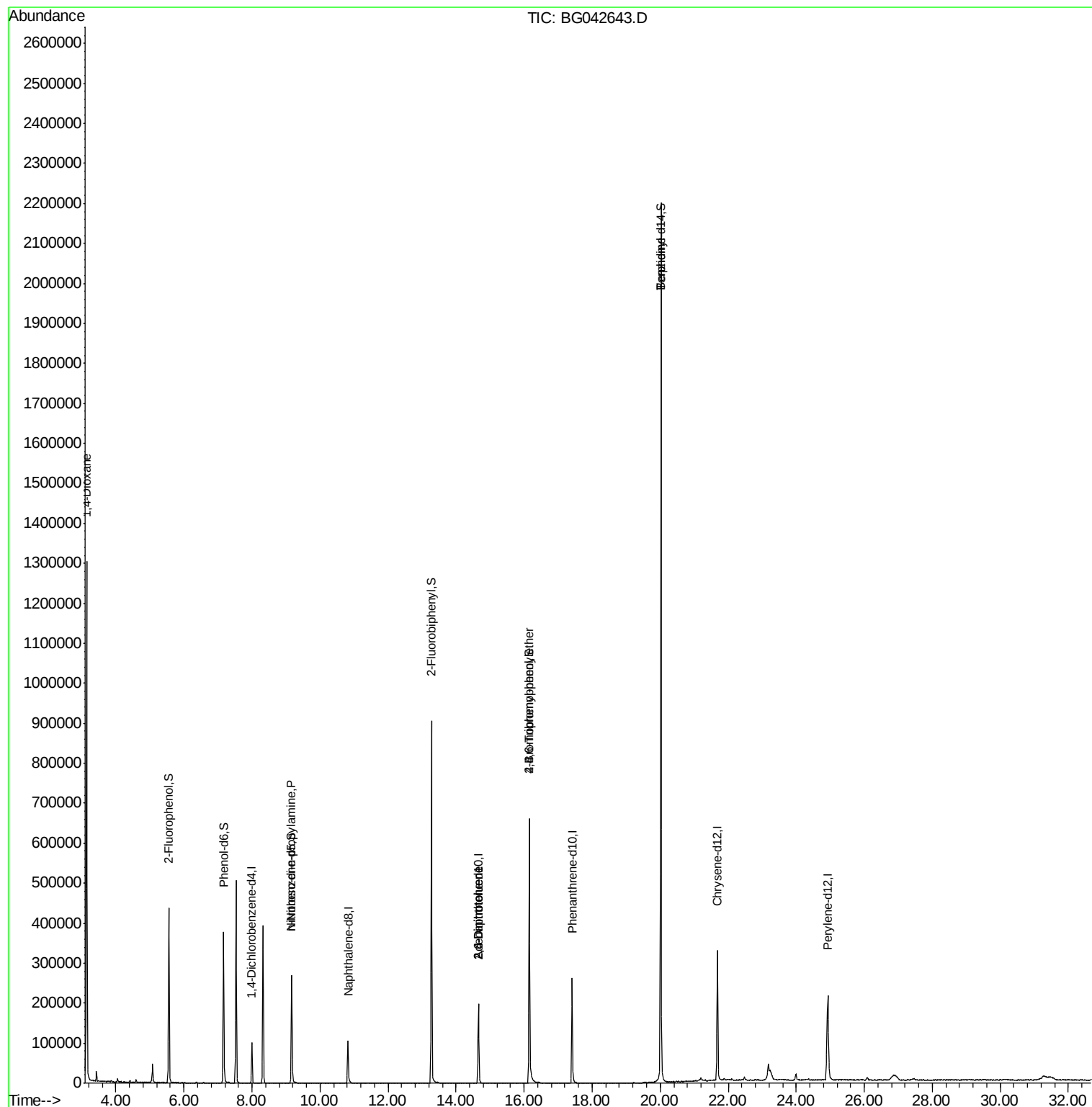
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	32726	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	121347	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	88891	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	211324	20.00	ng	0.00
76) Chrysene-d12	21.68	240	240359	20.00	ng	-0.01
87) Perylene-d12	24.92	264	280168	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	218561	135.26	ng	0.00
7) Phenol-d6	7.17	99	255800	117.20	ng	0.00
23) Nitrobenzene-d5	9.16	82	176153	100.31	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	192689	152.51	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	549939	104.63	ng	0.00
79) Terphenyl-d14	20.02	244	1178509	106.00	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.13	88	13575	20.131	ng	# 1
19) n-Nitroso-di-n-propylamine	9.16	70	23635	16.714	ng	# 75
51) 2,6-Dinitrotoluene	14.66	165	11139	7.493	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	11139	5.232	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	12815	4.781	ng	# 1
77) Benzidine	20.02	184	15098	2.191	ng	99

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

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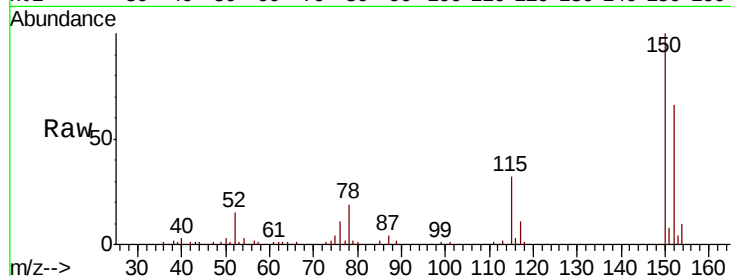


#1

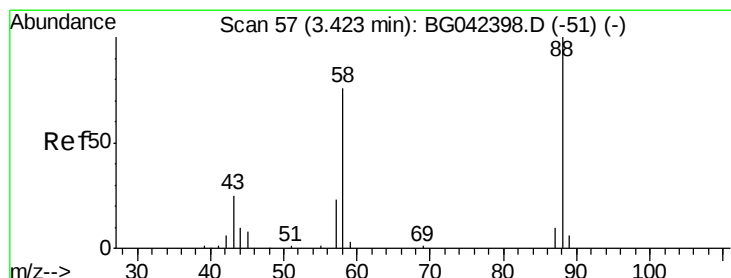
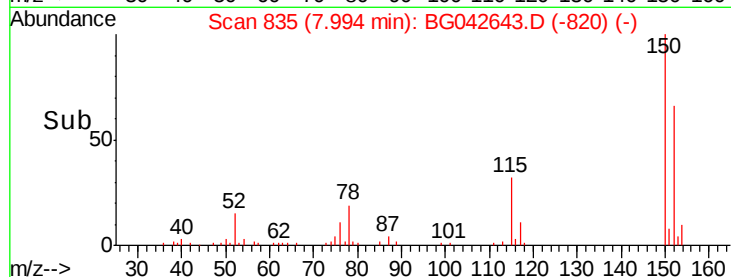
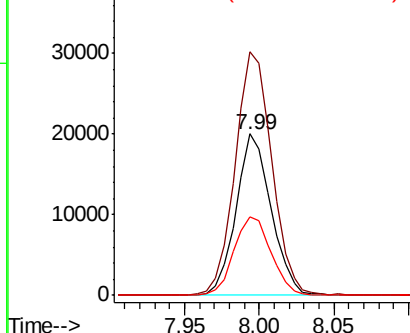
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042643.D
Acq: 31 Aug 2019 22:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 32726
Ion Ratio Lower Upper
152 100
150 150.8 125.4 188.0
115 48.6 38.5 57.7



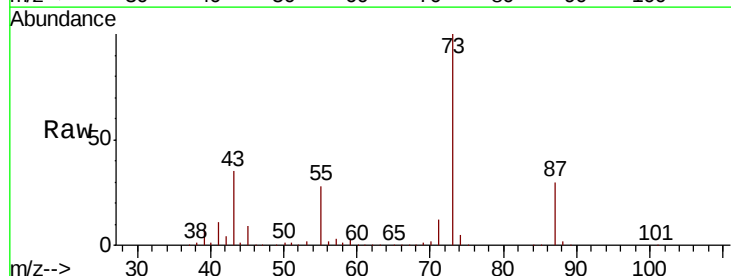
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



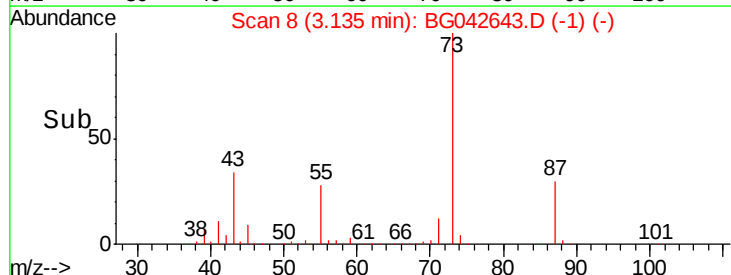
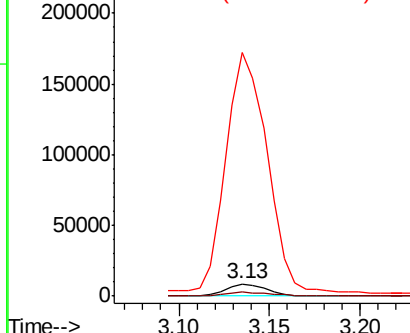
#2

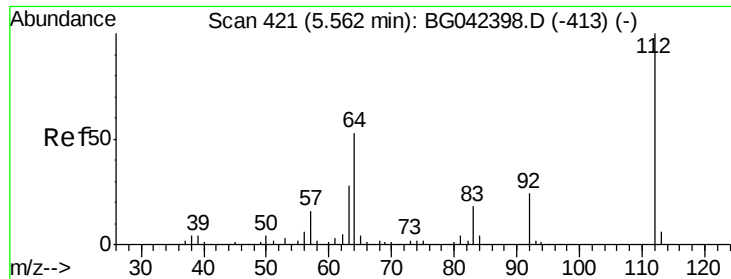
1,4-Dioxane
Concen: 20.131 ng
RT: 3.13 min Scan# 8
Delta R.T. -0.29 min
Lab File: BG042643.D
Acq: 31 Aug 2019 22:15

Tgt Ion: 88 Resp: 13575
Ion Ratio Lower Upper
88 100
58 30.5 58.3 87.5#
43 2015.4 20.2 30.2#



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: 135.259 ng

RT: 5.56 min Scan# 420

Delta R.T. -0.01 min

Lab File: BG042643.D

Acq: 31 Aug 2019 22:15

Instrument :

BNA_G

ClientSampleId :

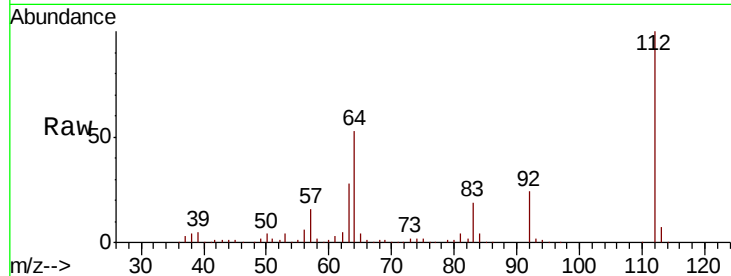
Tot Ion:112 Resp: 218561

Ion Ratio Lower Upper

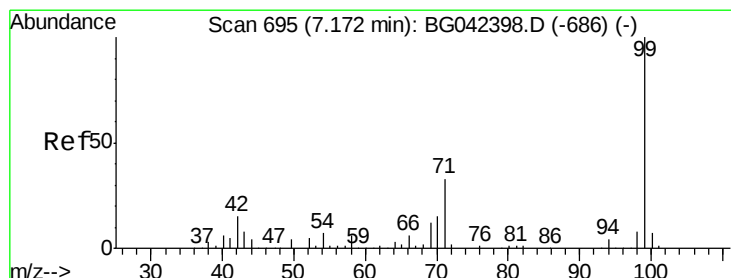
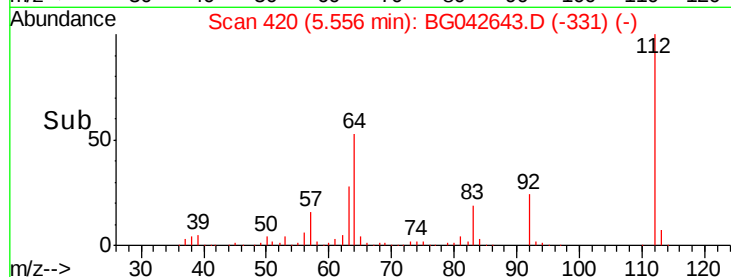
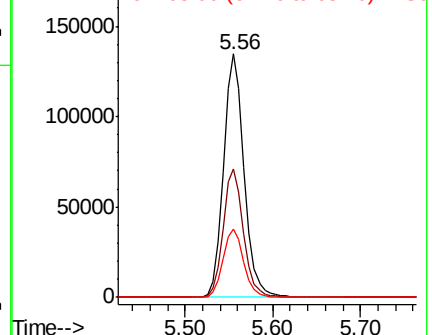
112 100

64 52.9 42.8 64.2

63 28.2 22.7 34.1



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: 117.196 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042643.D

Acq: 31 Aug 2019 22:15

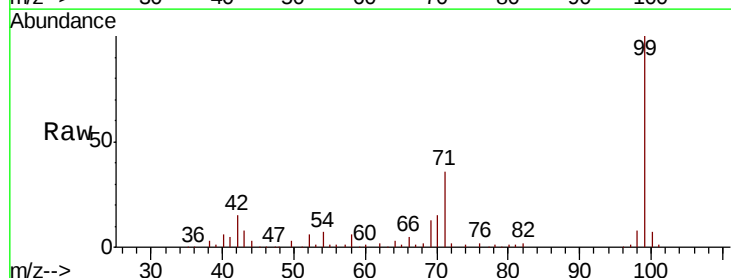
Tgt Ion: 99 Resp: 255800

Ion Ratio Lower Upper

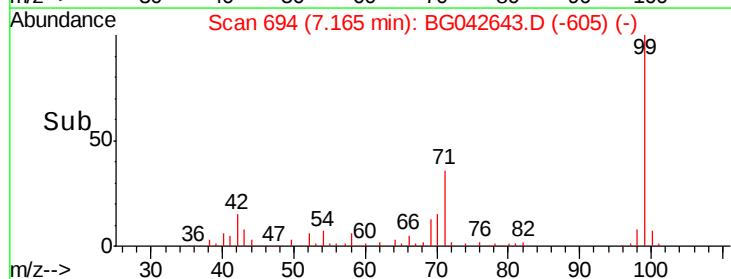
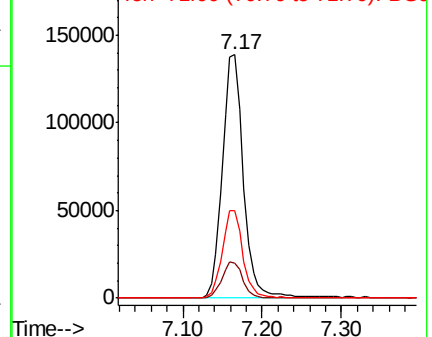
99 100

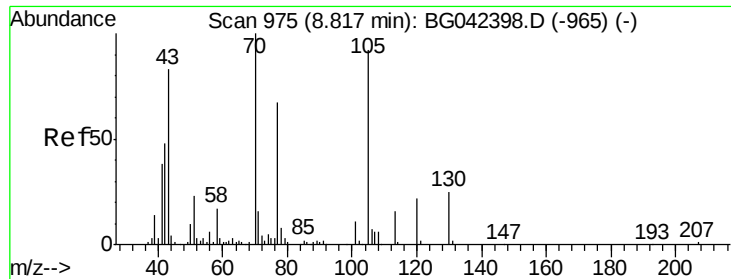
42 14.6 12.0 18.0

71 35.9 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

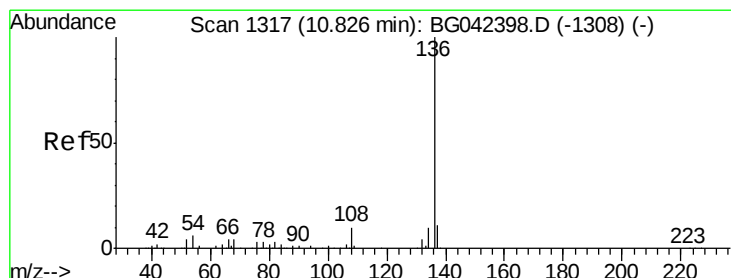
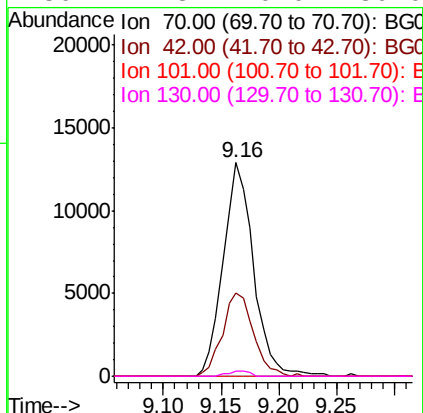
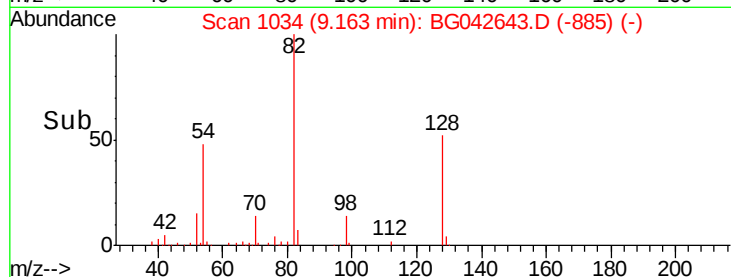
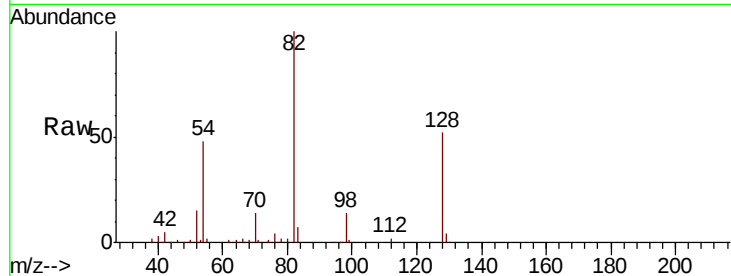




#19
n-Nitroso-di-n-propylamine
Concen: 16.714 ng
RT: 9.16 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG042643.D
Acq: 31 Aug 2019 22:15

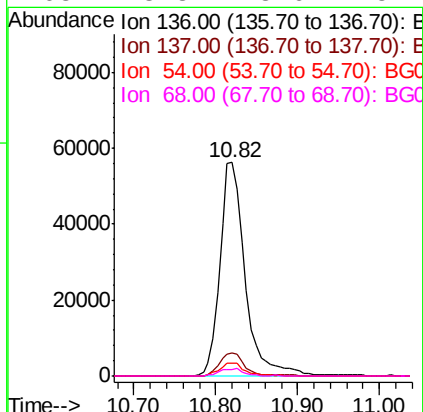
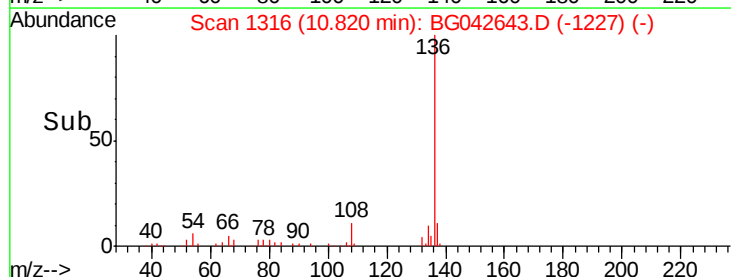
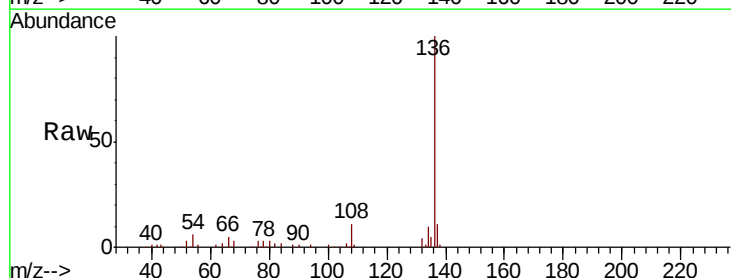
Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 23635
Ion Ratio Lower Upper
70 100
42 39.2 38.8 58.2
101 0.0 9.0 13.6#
130 2.3 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042643.D
Acq: 31 Aug 2019 22:15

Tgt Ion: 136 Resp: 121347
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 6.0 4.9 7.3
68 3.3 3.6 5.4#

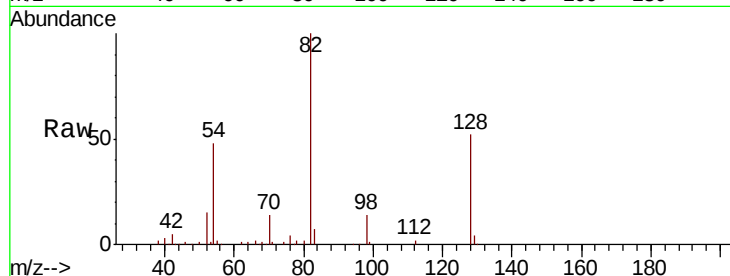




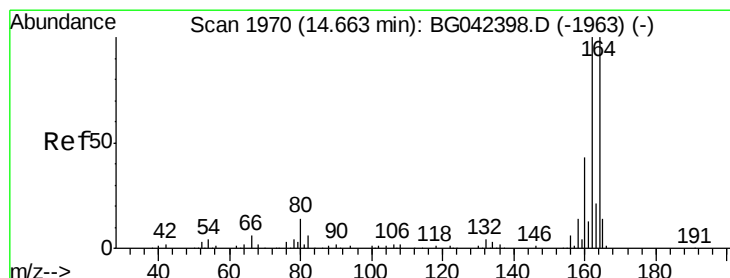
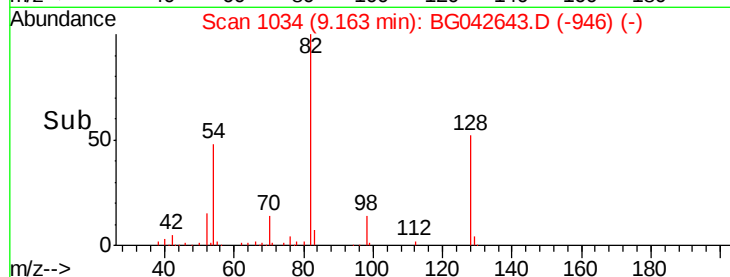
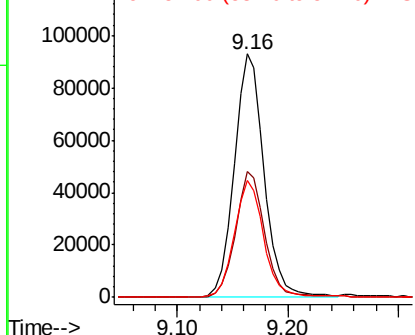
#23
Nitrobenzene-d5
Concen: 100.315 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042643.D
Acq: 31 Aug 2019 22:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 176153
Ion Ratio Lower Upper
82 100
128 51.9 40.7 61.1
54 48.3 36.3 54.5

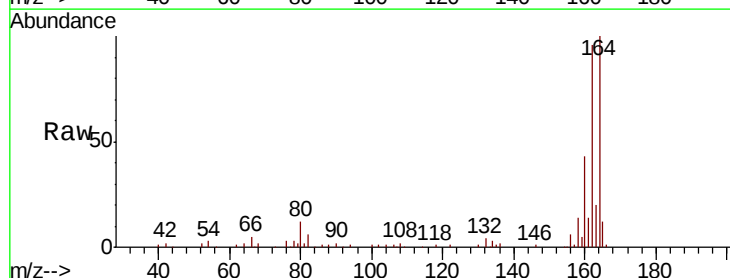


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

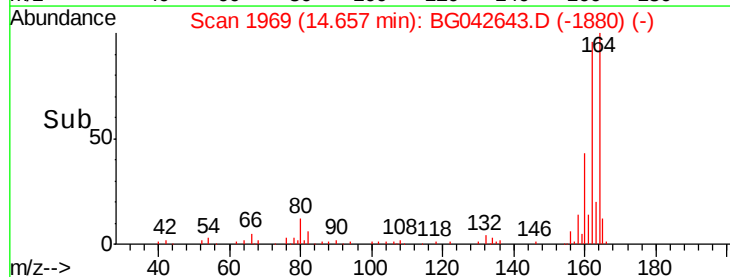
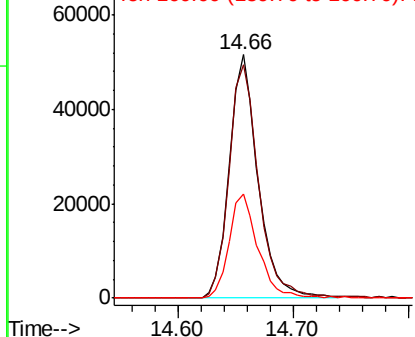


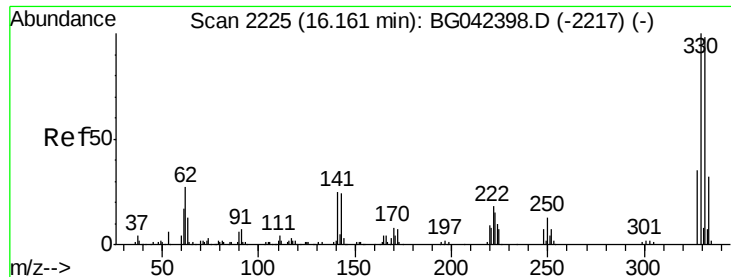
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042643.D
Acq: 31 Aug 2019 22:15

Tgt Ion:164 Resp: 88891
Ion Ratio Lower Upper
164 100
162 95.6 79.9 119.9
160 43.0 34.3 51.5



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

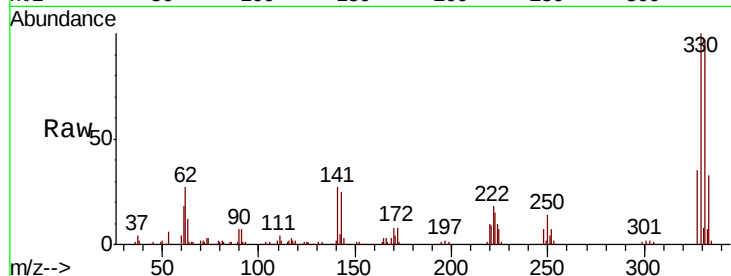




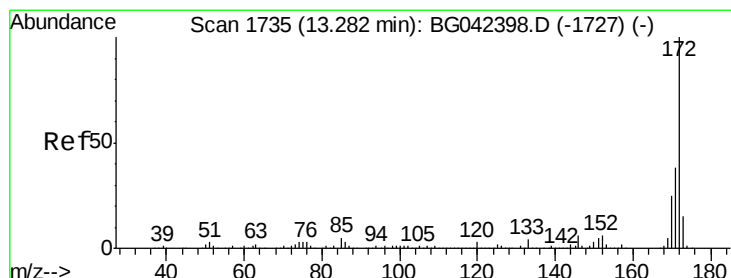
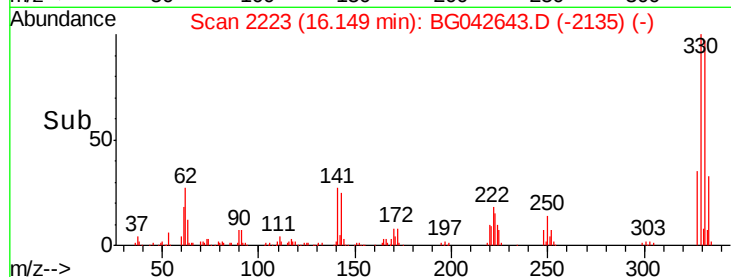
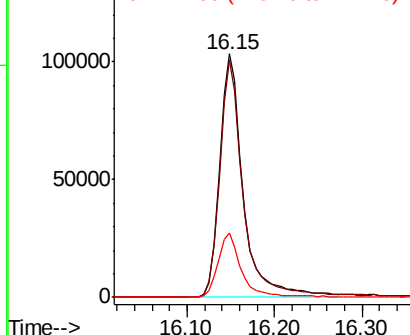
#42
 2,4,6-Tribromophenol
 Concen: 152.511 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042643.D
 Acq: 31 Aug 2019 22:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.4	116.0
141	26.6	21.4	32.0

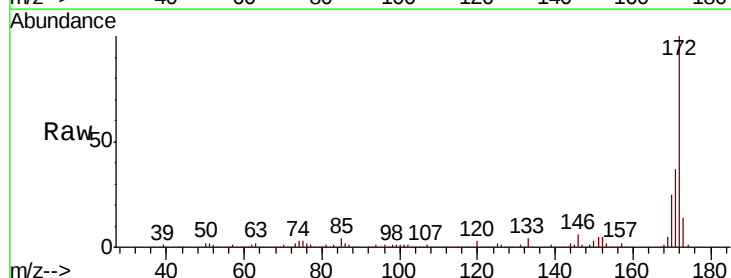


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

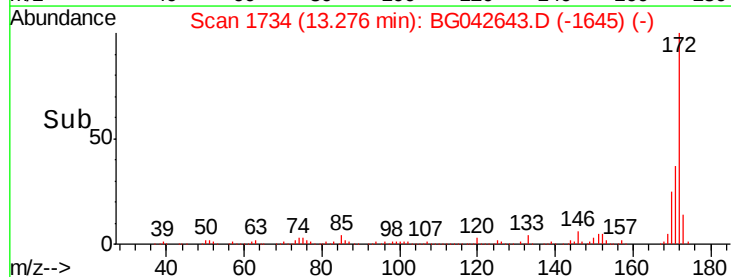
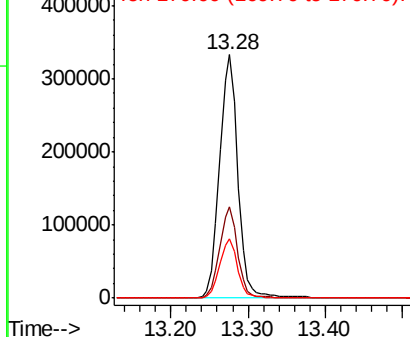


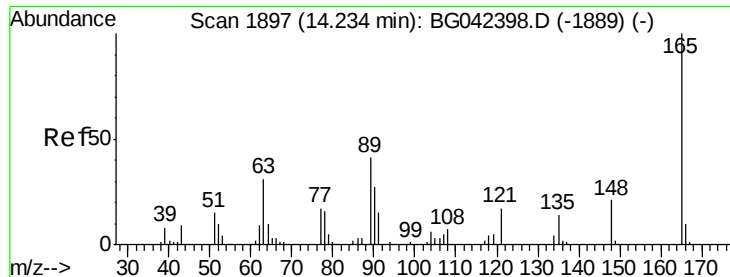
#45
 2-Fluorobiphenyl
 Concen: 104.634 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042643.D
 Acq: 31 Aug 2019 22:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.5	45.7
170	24.6	20.2	30.2



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

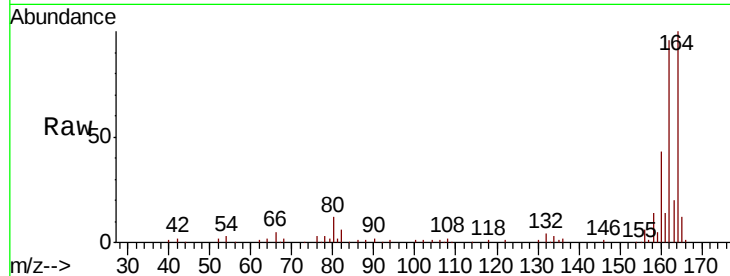




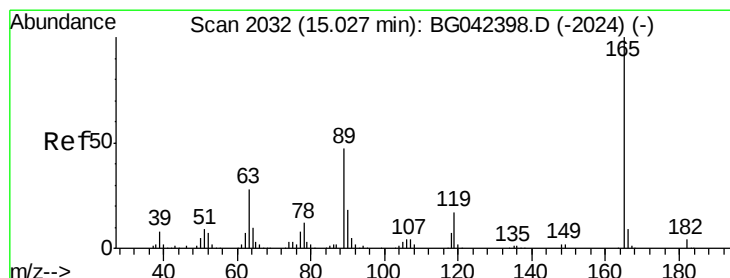
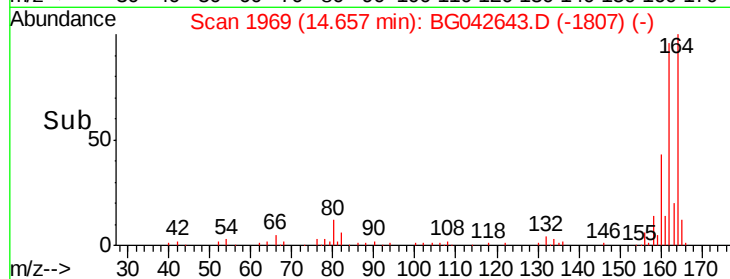
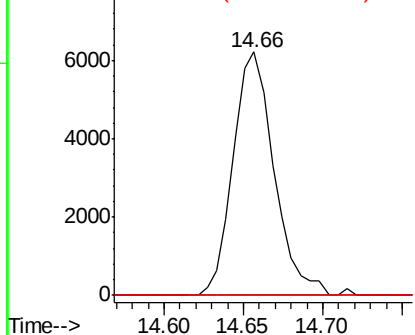
#51
 2,6-Dinitrotoluene
 Concen: 7.493 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.42 min
 Lab File: BG042643.D
 Acq: 31 Aug 2019 22:15

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#



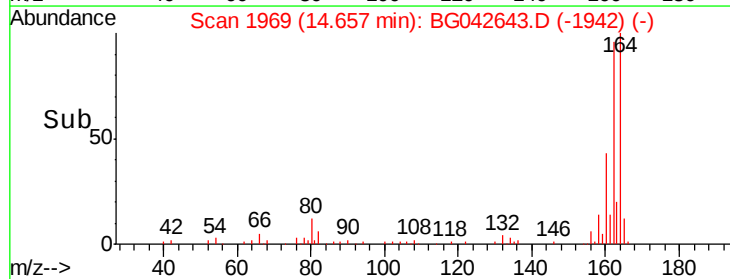
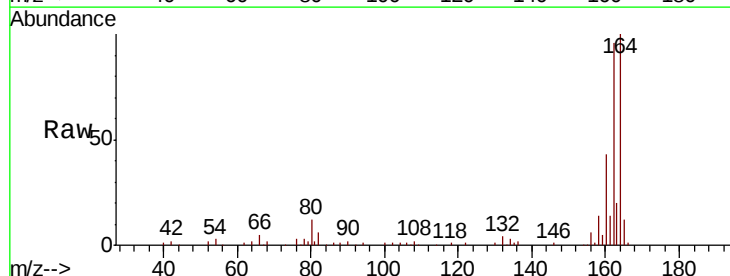
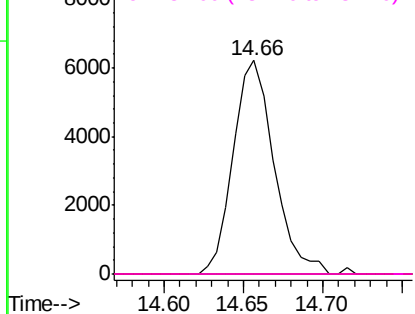
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC



#57
 2,4-Dinitrotoluene
 Concen: 5.232 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042643.D
 Acq: 31 Aug 2019 22:15

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#

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# 2438

Delta R.T. -0.01 min

Lab File: BG042643.D

Acq: 31 Aug 2019 22:15

Instrument :

BNA_G

ClientSampleId :

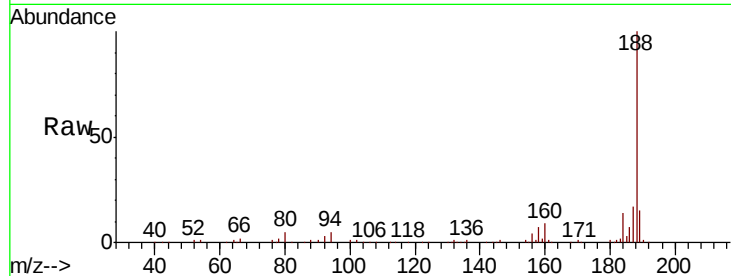
Tot Ion:188 Resp: 211324

Ion Ratio Lower Upper

188 100

94 4.6 4.5 6.7

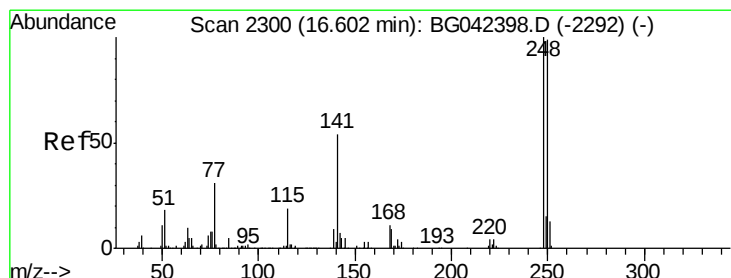
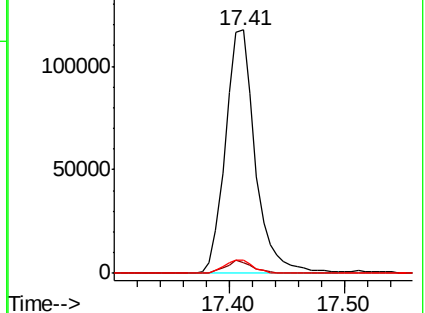
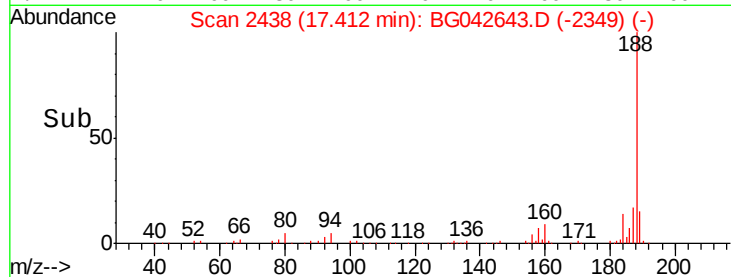
80 5.5 4.9 7.3



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: 4.781 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042643.D

Acq: 31 Aug 2019 22:15

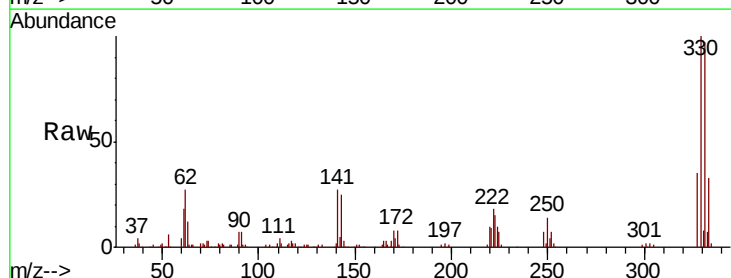
Tgt Ion:248 Resp: 12815

Ion Ratio Lower Upper

248 100

250 200.0 78.9 118.3#

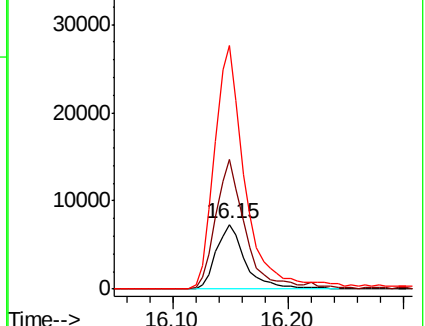
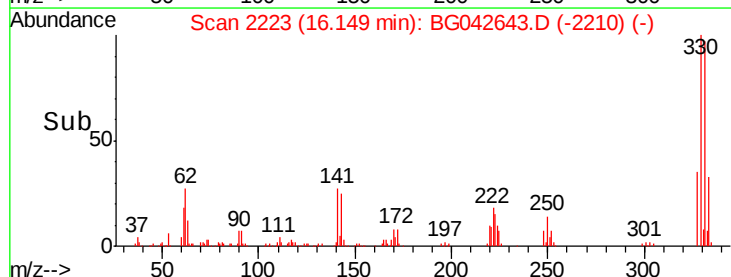
141 374.5 43.3 64.9#



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: BG042643.D

Acq: 31 Aug 2019 22:15

Instrument :

BNA_G

ClientSampleId :

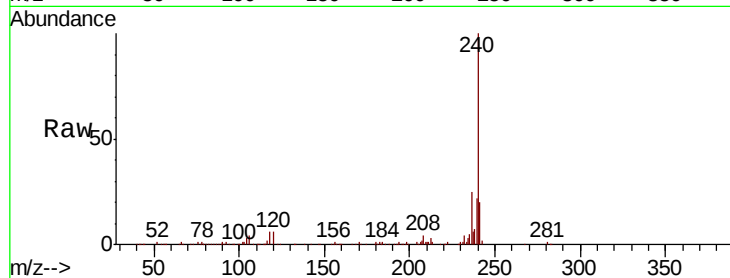
Tot Ion:240 Resp: 240359

Ion Ratio Lower Upper

240 100

120 5.6 5.7 8.5#

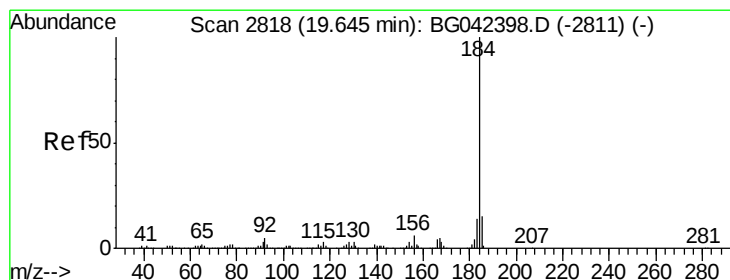
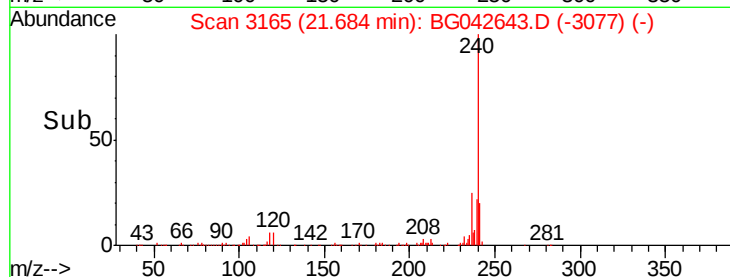
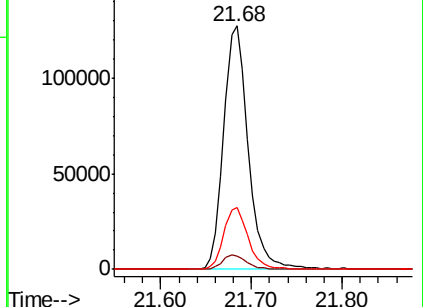
236 25.2 21.0 31.4



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: 2.191 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.38 min

Lab File: BG042643.D

Acq: 31 Aug 2019 22:15

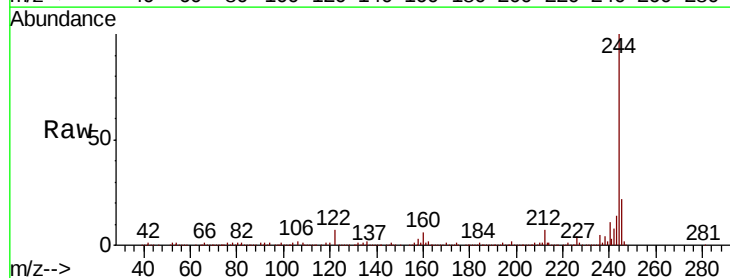
Tgt Ion:184 Resp: 15098

Ion Ratio Lower Upper

184 100

185 15.7 12.2 18.4

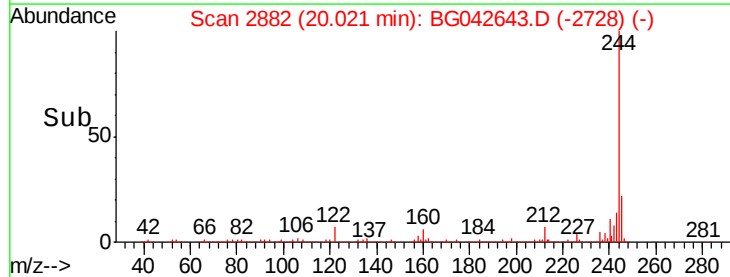
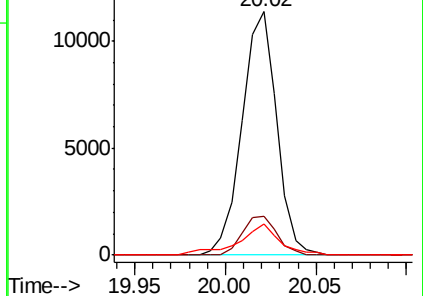
183 12.9 10.8 16.2

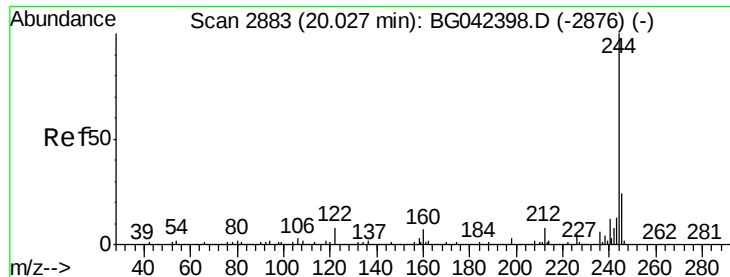


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 106.001 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042643.D

Acq: 31 Aug 2019 22:15

Instrument :

BNA_G

ClientSampled :

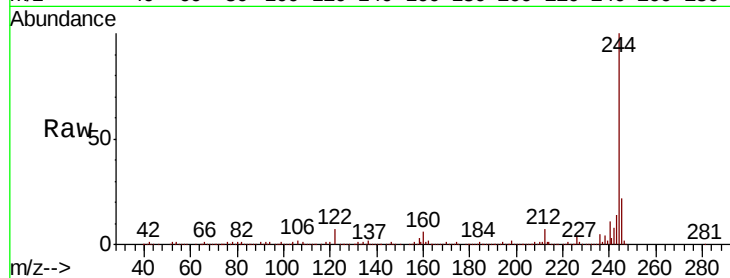
Tot Ion:244 Resp: 1178509

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

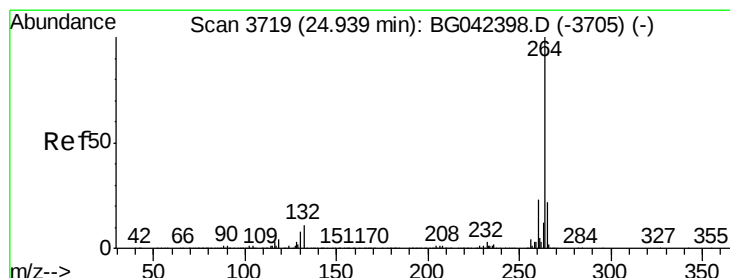
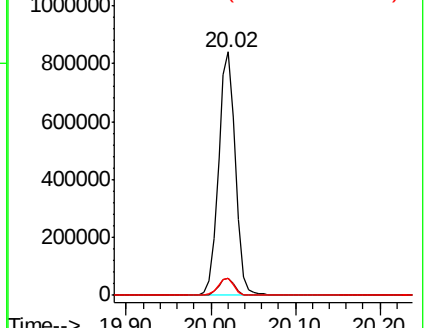
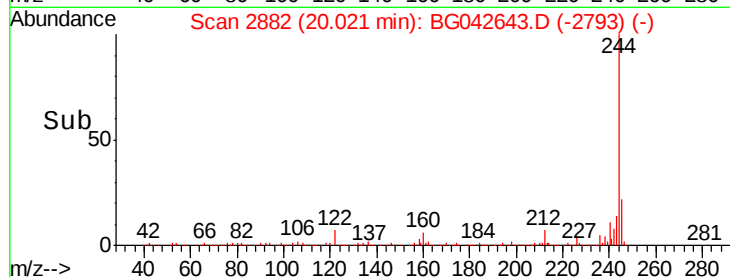
122 6.8 6.7 10.1



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: BG042643.D

Acq: 31 Aug 2019 22:15

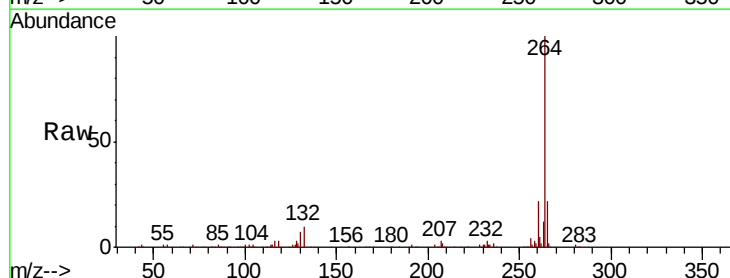
Tgt Ion:264 Resp: 280168

Ion Ratio Lower Upper

264 100

260 22.0 18.5 27.7

265 22.3 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

