

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\
 Data File : BG042638.D
 Acq On : 31 Aug 2019 17:08
 Operator : HP/JU
 Sample : K4613-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 01 00:11:00 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

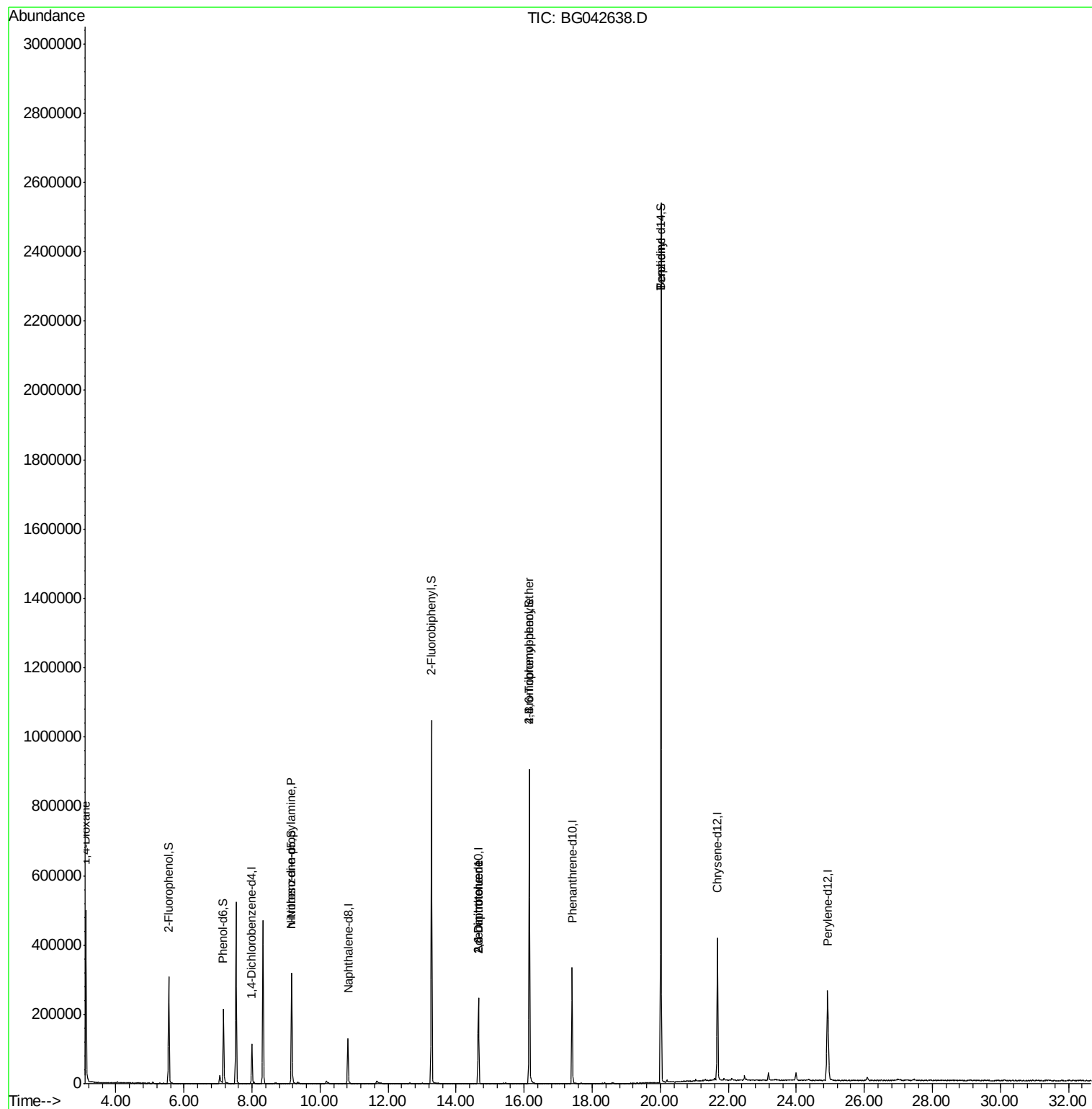
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	37721	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	141635	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	104345	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	245431	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	270418	20.00	ng	-0.01
87) Perylene-d12	24.92	264	315060	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	158620	85.17	ng	-0.01
7) Phenol-d6	7.16	99	142083	56.48	ng	-0.01
23) Nitrobenzene-d5	9.16	82	207616	101.30	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	235105	158.52	ng	-0.01
45) 2-Fluorobiphenyl	13.27	172	639938	103.72	ng	0.00
79) Terphenyl-d14	20.02	244	1287747	102.95	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.12	88	4478	5.761	ng	# 1
19) n-Nitroso-di-n-propylamine	9.16	70	27261	16.726	ng	# 75
51) 2,6-Dinitrotoluene	14.66	165	13640	7.816	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	13640	5.458	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	15992	5.137	ng	# 1
77) Benzidine	20.02	184	16651	2.148	ng	# 93

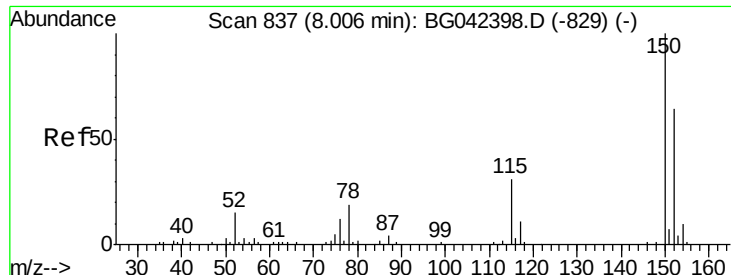
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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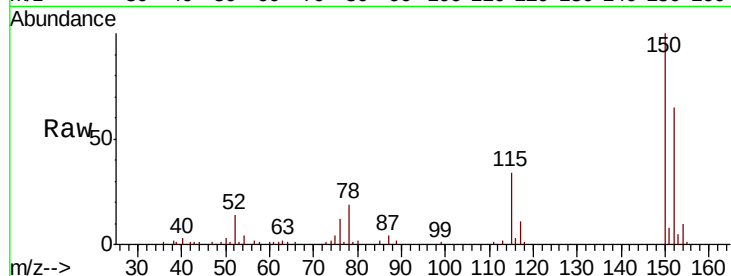


#1

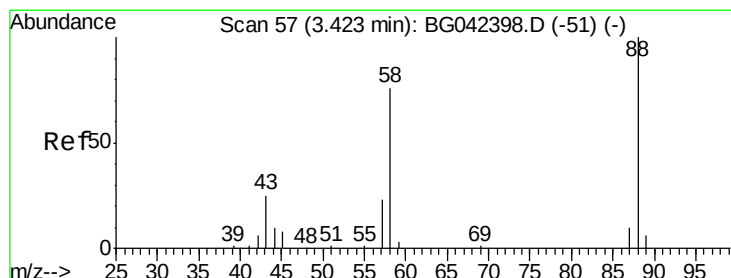
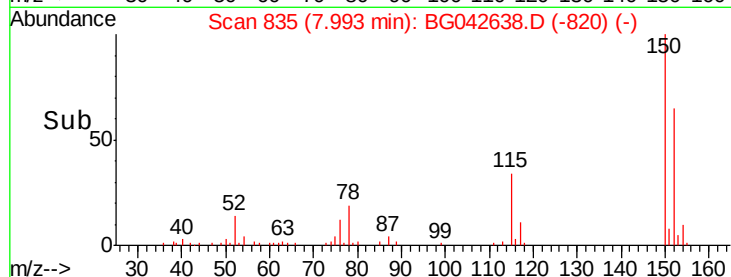
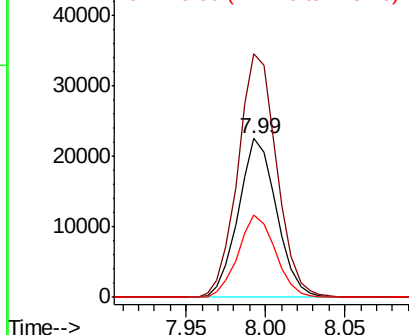
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042638.D
Acq: 31 Aug 2019 17:08

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 37721
Ion Ratio Lower Upper
152 100
150 153.3 125.4 188.0
115 52.2 38.5 57.7



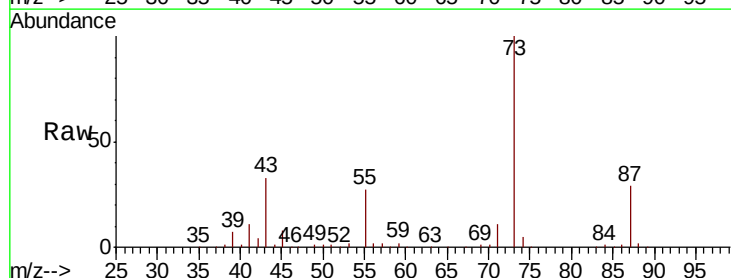
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



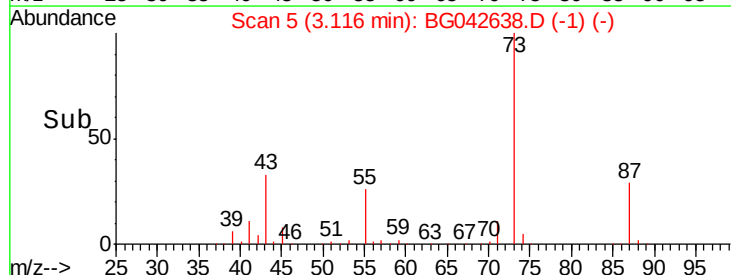
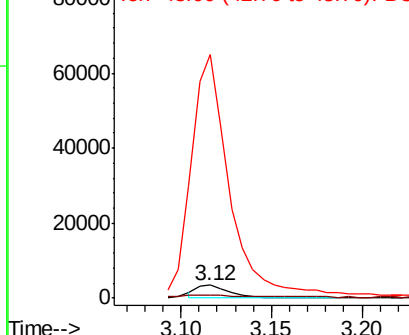
#2

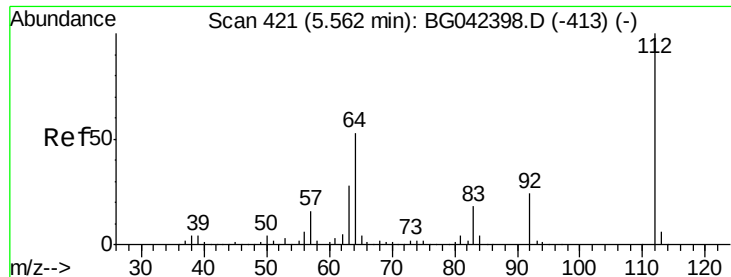
1,4-Dioxane
Concen: 5.761 ng
RT: 3.12 min Scan# 5
Delta R.T. -0.31 min
Lab File: BG042638.D
Acq: 31 Aug 2019 17:08

Tgt Ion: 88 Resp: 4478
Ion Ratio Lower Upper
88 100
58 13.5 58.3 87.5#
43 1775.0 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: 85.165 ng

RT: 5.55 min Scan# 419

Delta R.T. -0.01 min

Lab File: BG042638.D

Acq: 31 Aug 2019 17:08

Instrument :

BNA_G

ClientSampled :

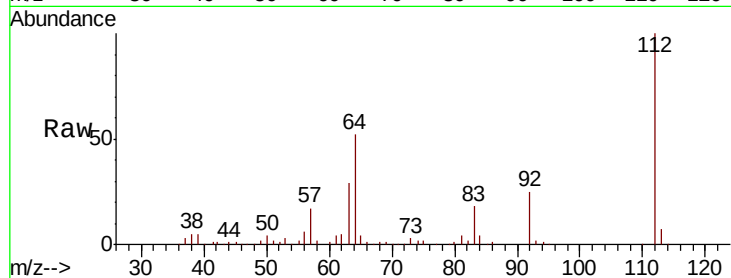
Tot Ion: 112 Resp: 158620

Ion Ratio Lower Upper

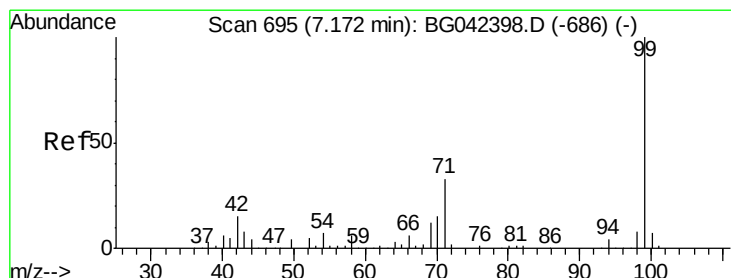
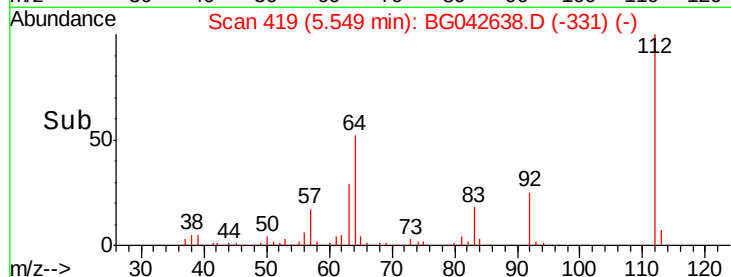
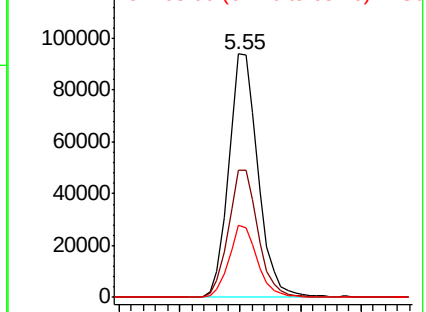
112 100

64 52.3 42.8 64.2

63 29.5 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: 56.476 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042638.D

Acq: 31 Aug 2019 17:08

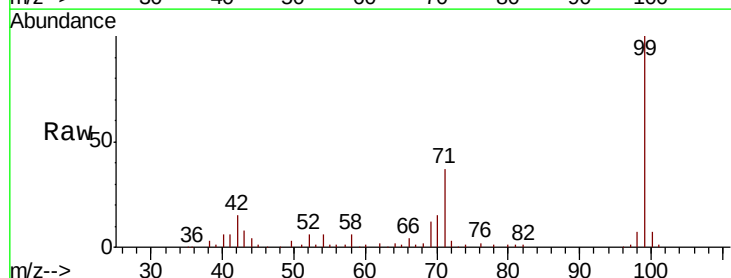
Tgt Ion: 99 Resp: 142083

Ion Ratio Lower Upper

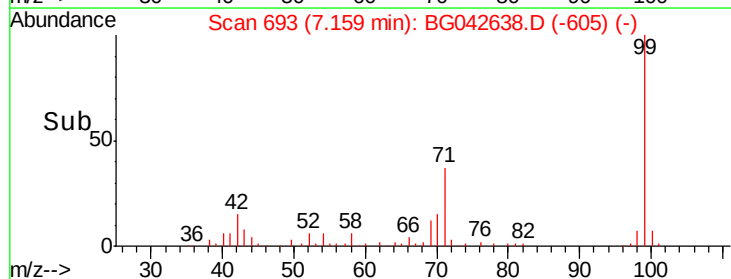
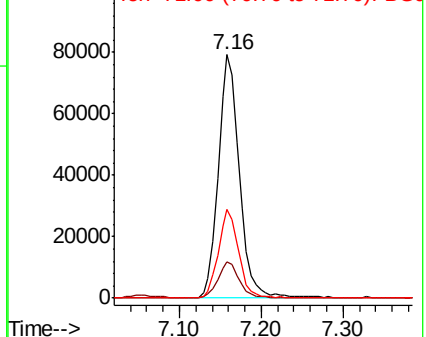
99 100

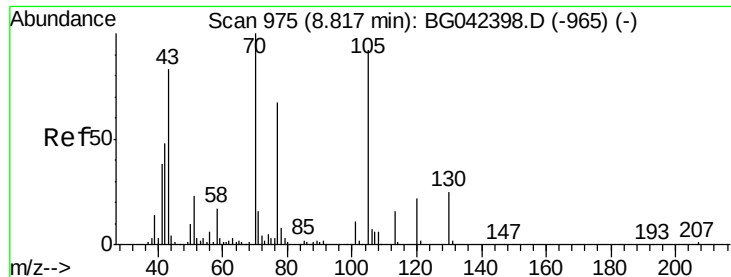
42 14.8 12.0 18.0

71 36.6 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: 16.726 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042638.D

Acq: 31 Aug 2019 17:08

Instrument :

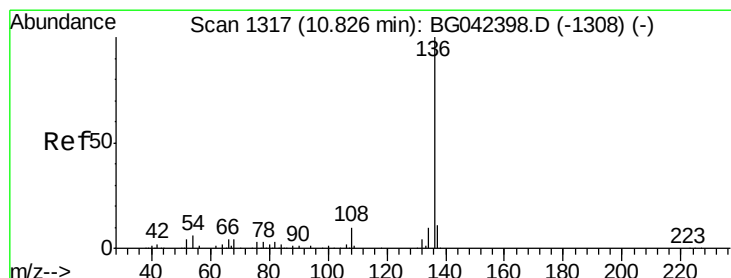
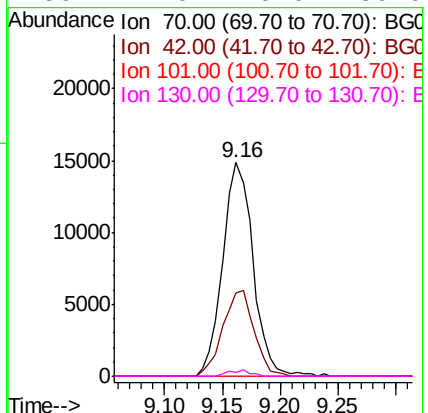
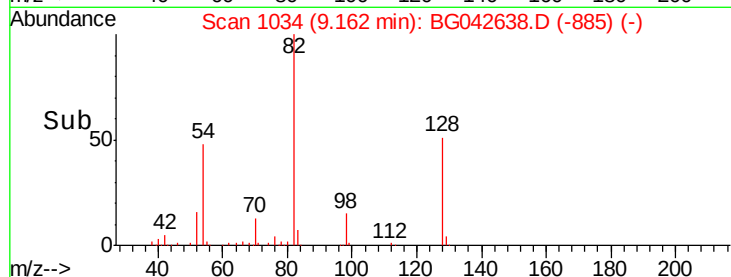
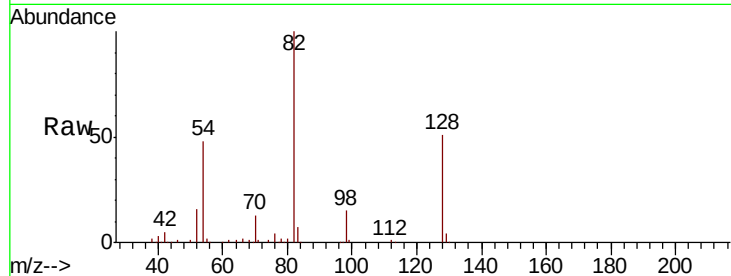
BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 27261

Ion Ratio Lower Upper

70	100		
42	39.0	38.8	58.2
101	0.0	9.0	13.6#
130	2.0	20.0	30.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. -0.01 min

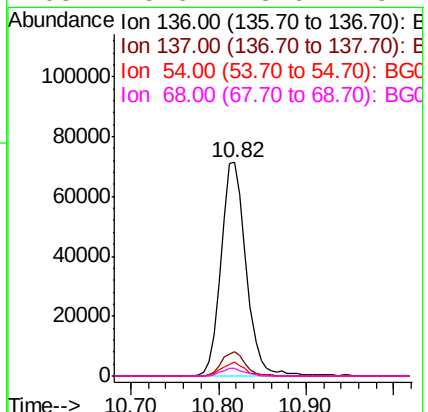
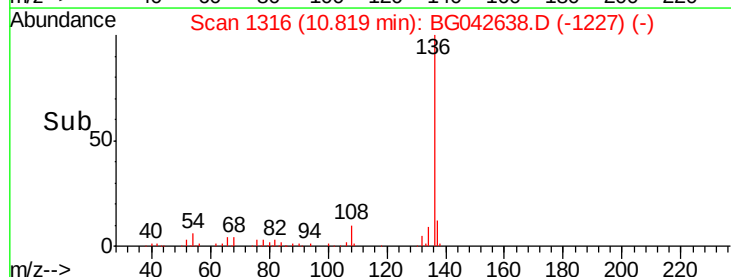
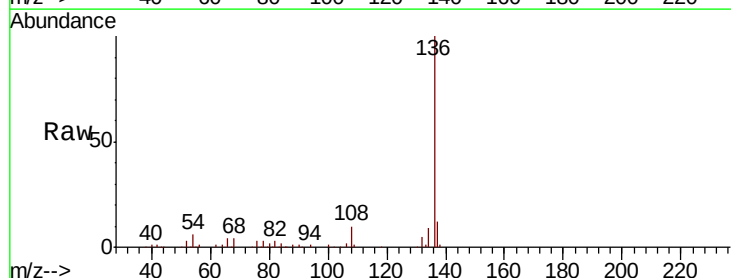
Lab File: BG042638.D

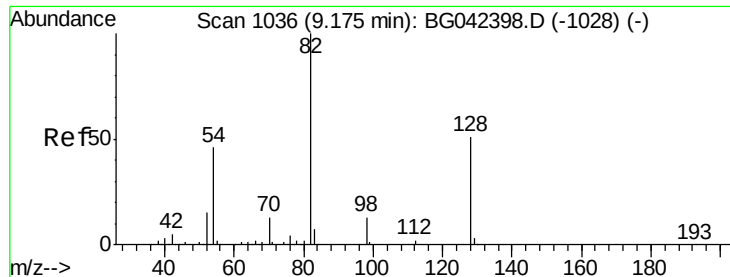
Acq: 31 Aug 2019 17:08

Tgt Ion: 136 Resp: 141635

Ion Ratio Lower Upper

136	100		
137	11.6	8.7	13.1
54	6.4	4.9	7.3
68	3.6	3.6	5.4#

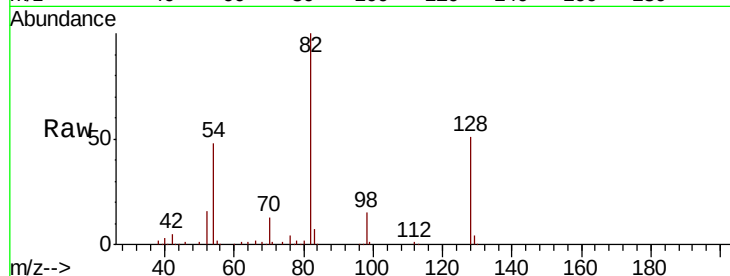




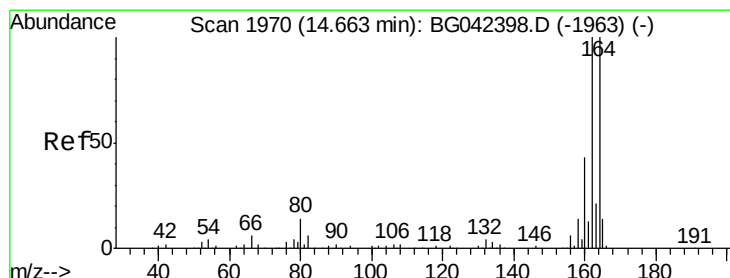
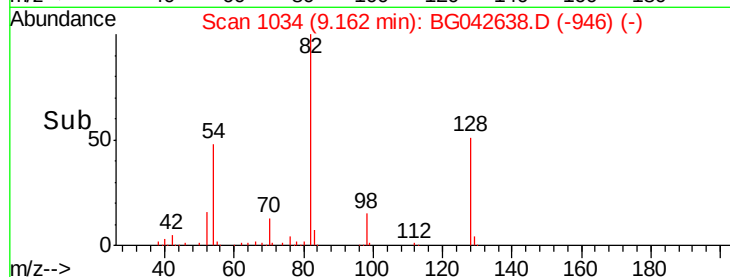
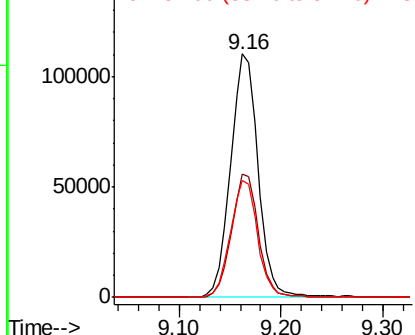
#23
Nitrobenzene-d5
Concen: 101.296 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042638.D
Acq: 31 Aug 2019 17:08

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	207616
Ion Ratio	100	Lower	Upper
128	50.5	40.7	61.1
54	48.2	36.3	54.5

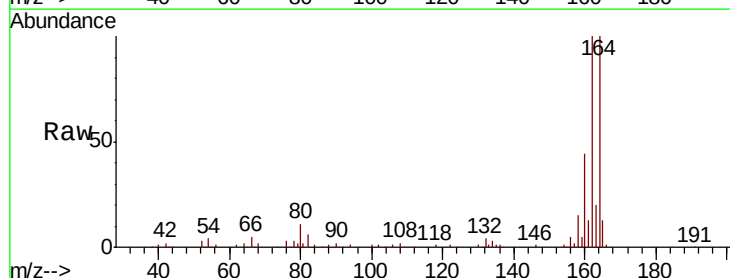


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

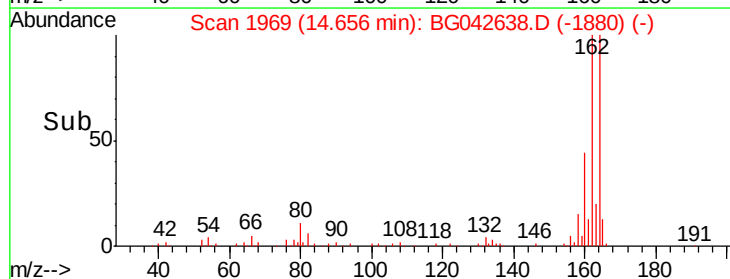
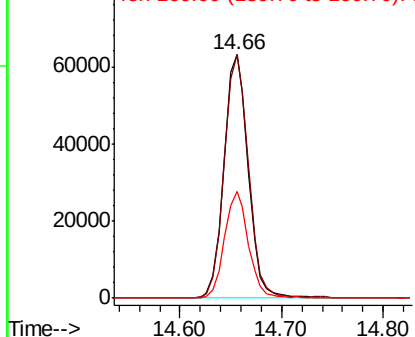


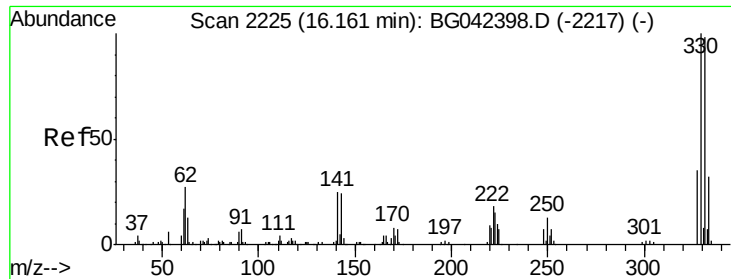
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042638.D
Acq: 31 Aug 2019 17:08

Tgt Ion	164	Resp	104345
Ion Ratio	100	Lower	Upper
162	99.9	79.9	119.9
160	44.0	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: 158.523 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042638.D

Acq: 31 Aug 2019 17:08

Instrument :

BNA_G

ClientSampleId :

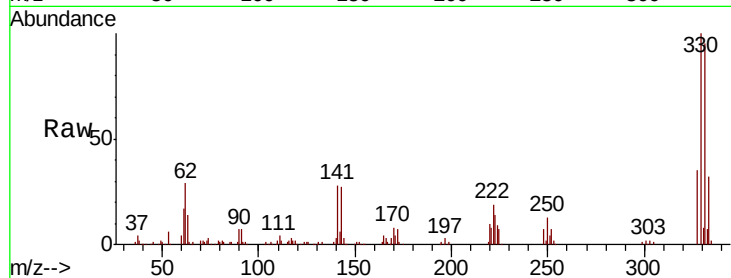
Tot Ion:330 Resp: 235105

Ion Ratio Lower Upper

330 100

332 96.7 77.4 116.0

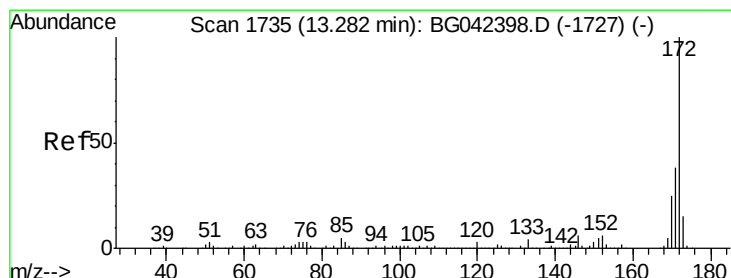
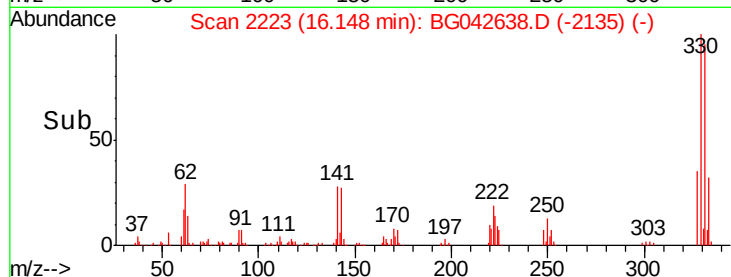
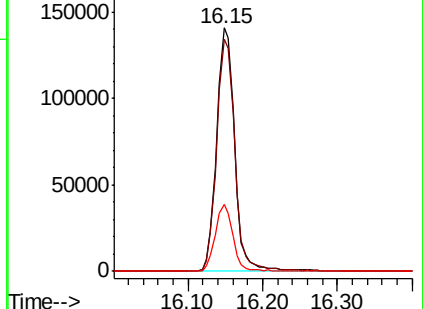
141 27.2 21.4 32.0



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: 103.725 ng

RT: 13.27 min Scan# 1734

Delta R.T. -0.01 min

Lab File: BG042638.D

Acq: 31 Aug 2019 17:08

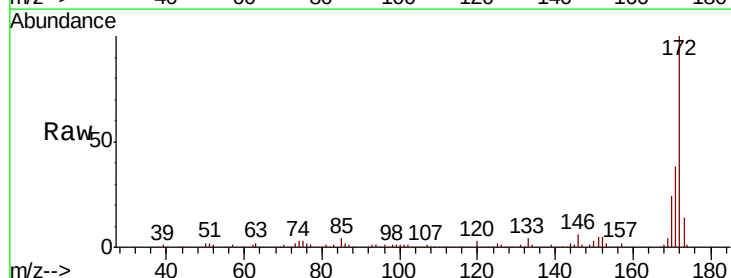
Tgt Ion:172 Resp: 639938

Ion Ratio Lower Upper

172 100

171 37.6 30.5 45.7

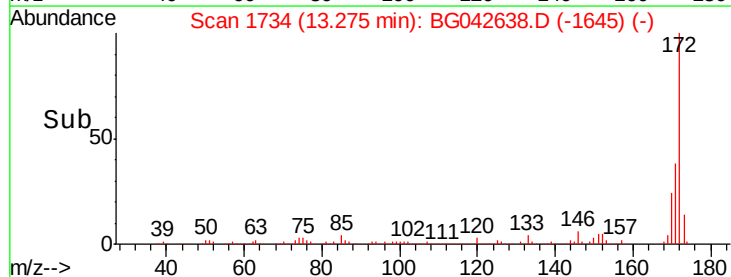
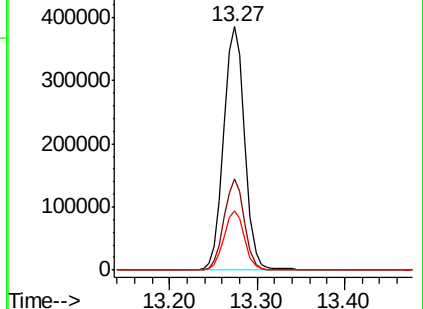
170 24.4 20.2 30.2

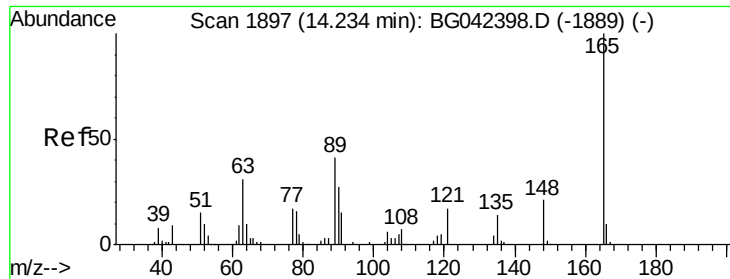


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

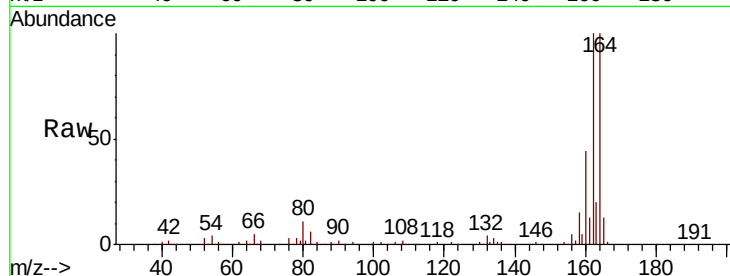




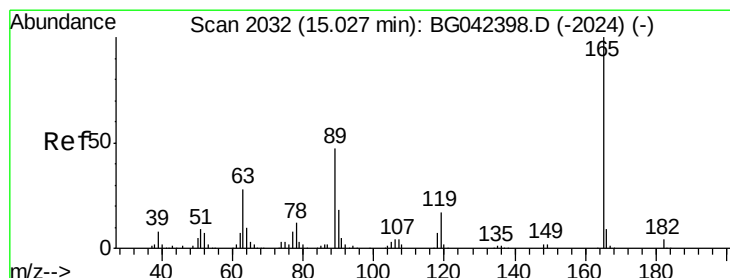
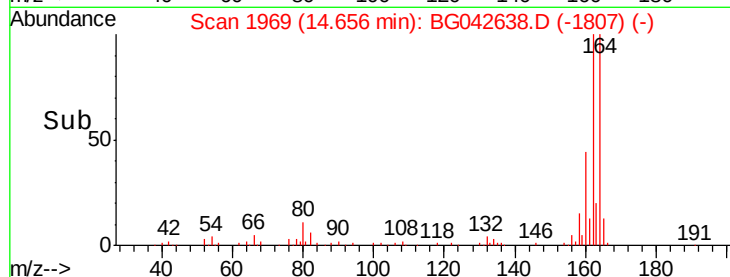
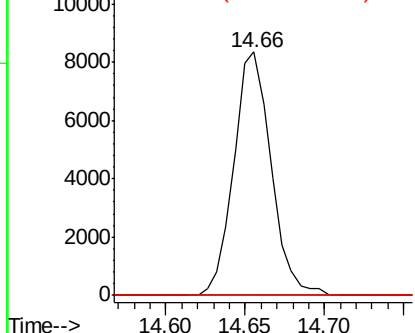
#51
 2,6-Dinitrotoluene
 Concen: 7.816 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.42 min
 Lab File: BG042638.D
 Acq: 31 Aug 2019 17:08

Instrument :
 BNA_G
 ClientSampled :

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

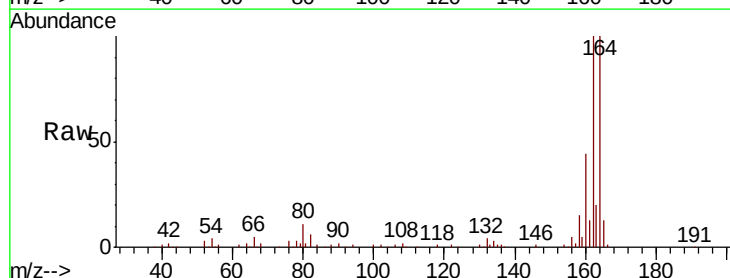


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

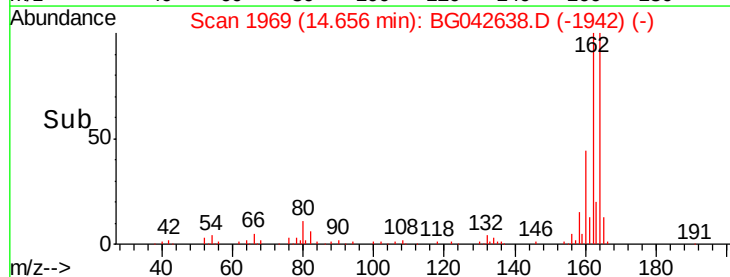
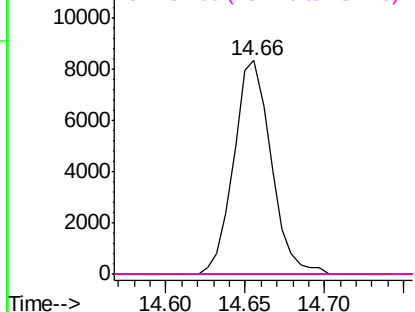


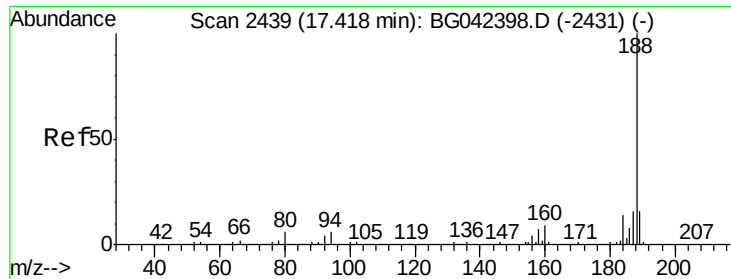
#57
 2,4-Dinitrotoluene
 Concen: 5.458 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042638.D
 Acq: 31 Aug 2019 17:08

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

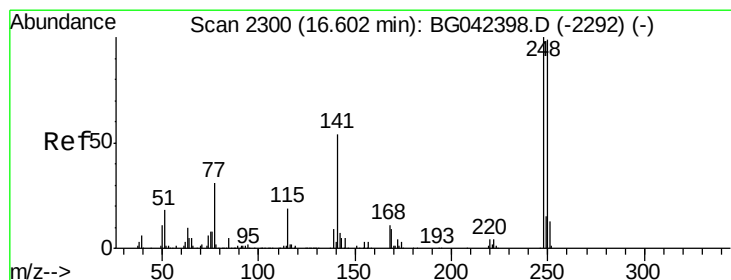
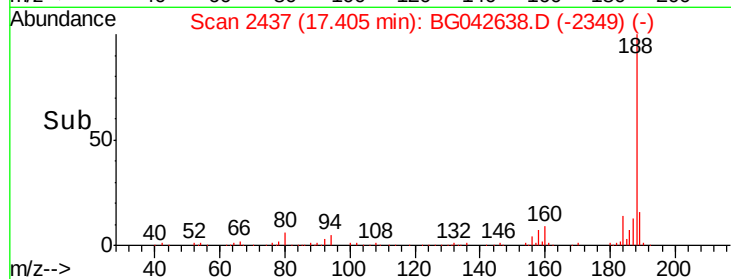
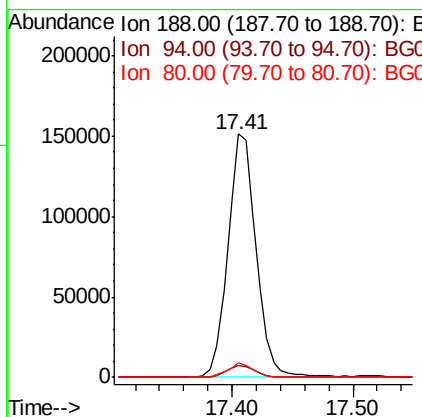
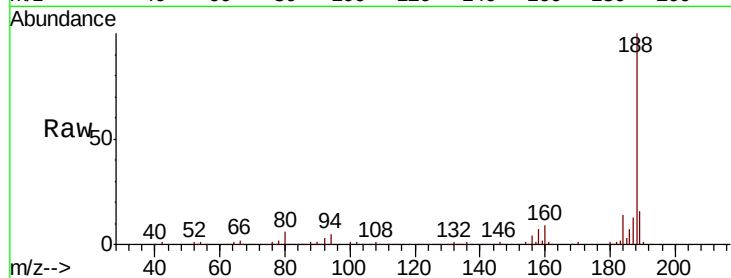




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG042638.D
 Acq: 31 Aug 2019 17:08

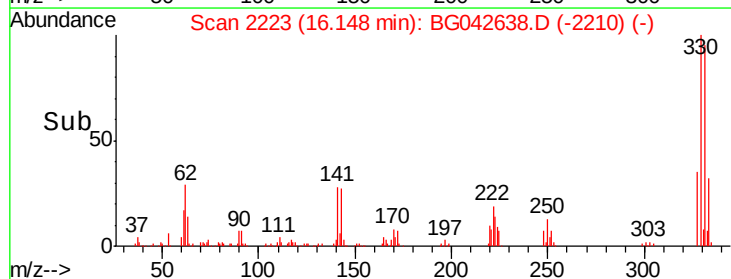
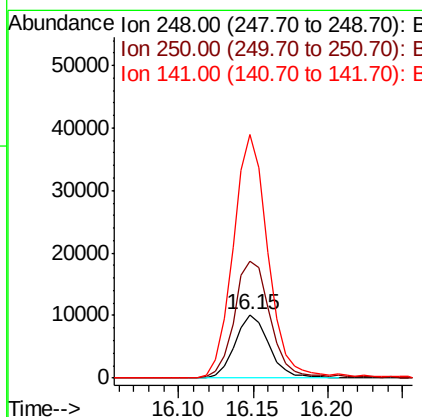
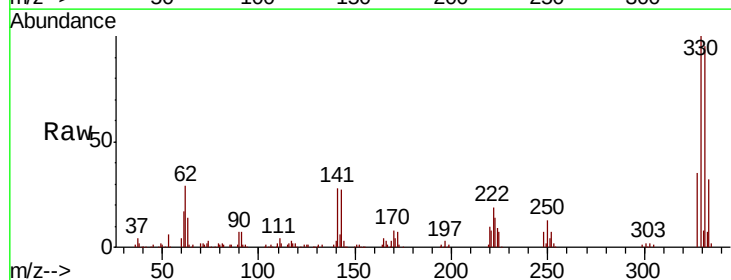
Instrument :
 BNA_G
 ClientSampleId :

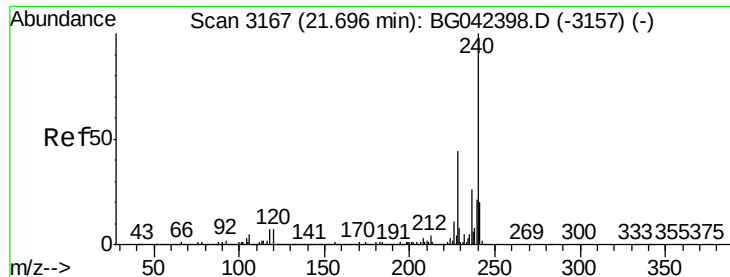
Tot Ion:188 Resp: 245431
 Ion Ratio Lower Upper
 188 100
 94 5.0 4.5 6.7
 80 5.7 4.9 7.3



#67
 4-Bromophenyl-phenylether
 Concen: 5.137 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042638.D
 Acq: 31 Aug 2019 17:08

Tgt Ion:248 Resp: 15992
 Ion Ratio Lower Upper
 248 100
 250 184.2 78.9 118.3#
 141 383.0 43.3 64.9#

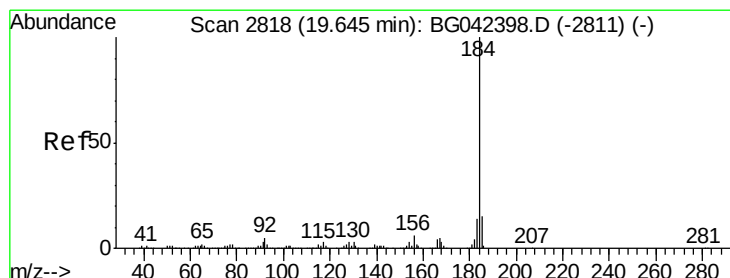
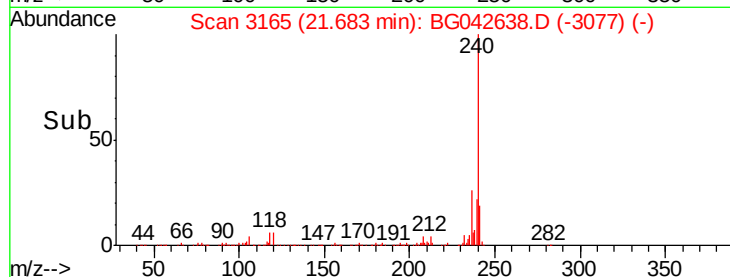
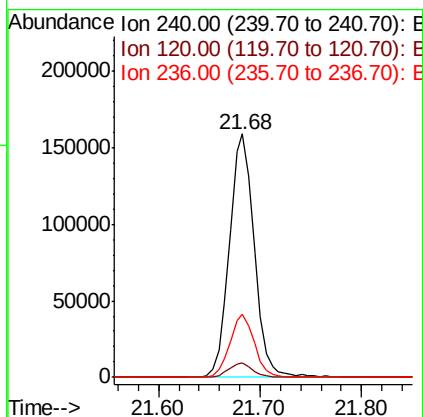
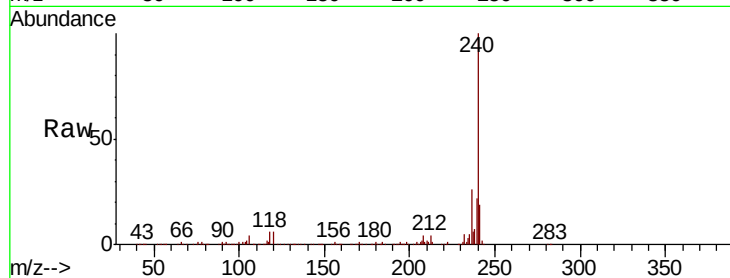




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042638.D
Acq: 31 Aug 2019 17:08

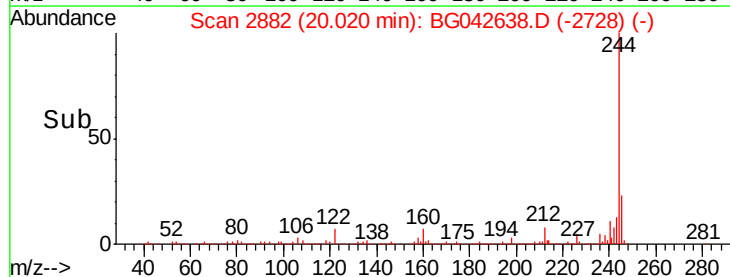
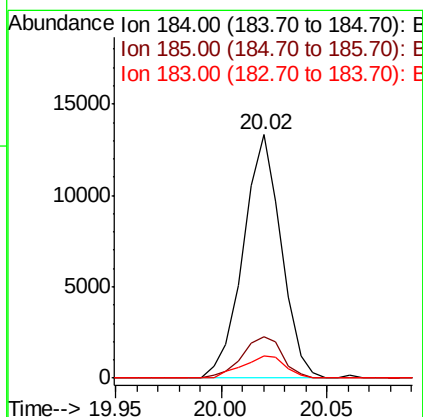
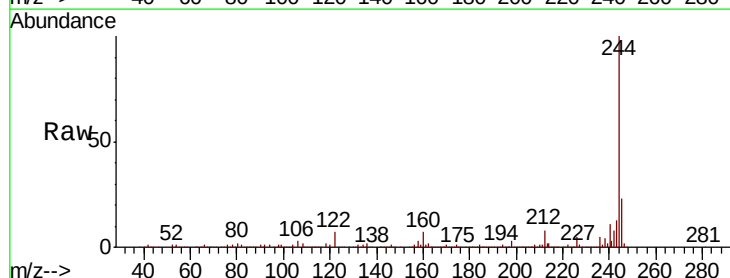
Instrument :
BNA_G
ClientSampleId :

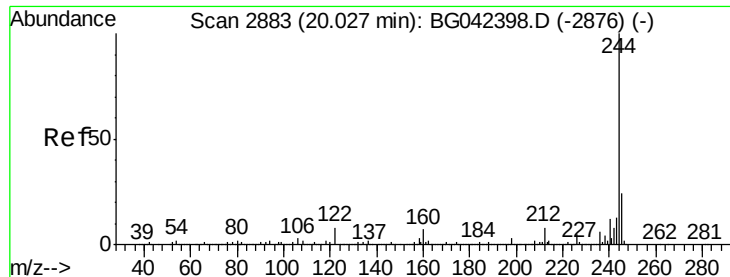
Tot Ion:240 Resp: 270418
Ion Ratio Lower Upper
240 100
120 5.9 5.7 8.5
236 25.9 21.0 31.4



#77
Benzidine
Concen: 2.148 ng
RT: 20.02 min Scan# 2882
Delta R.T. 0.37 min
Lab File: BG042638.D
Acq: 31 Aug 2019 17:08

Tgt Ion:184 Resp: 16651
Ion Ratio Lower Upper
184 100
185 16.9 12.2 18.4
183 9.0 10.8 16.2#





#79

Terphenyl-d14

Concen: 102.952 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042638.D

Acq: 31 Aug 2019 17:08

Instrument :

BNA_G

ClientSampleId :

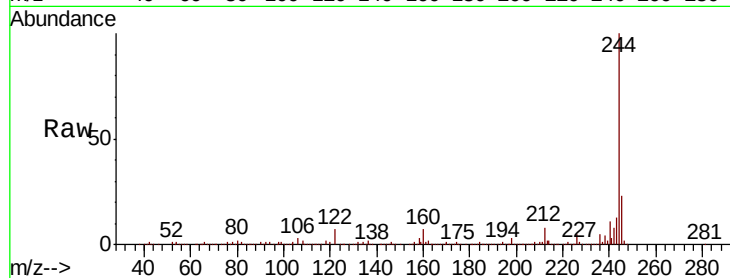
Tot Ion:244 Resp: 1287747

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

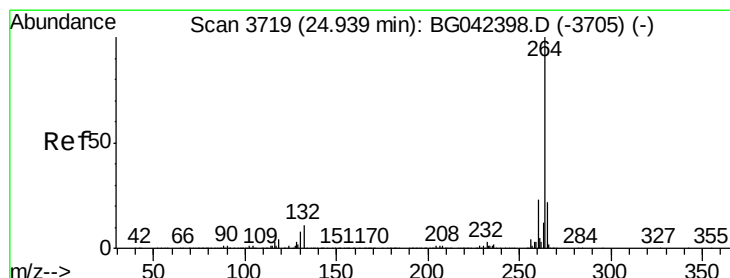
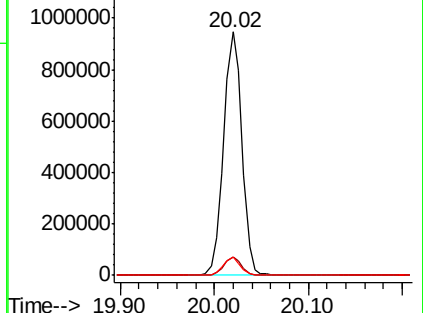
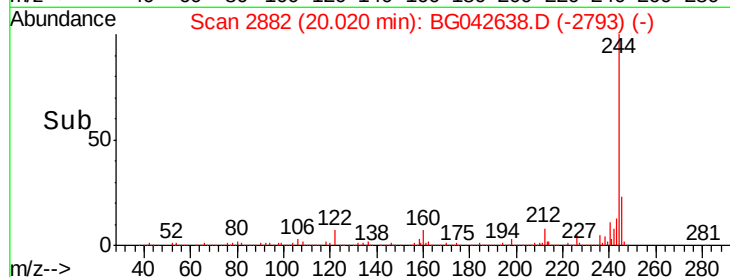
122 7.3 6.7 10.1



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: BG042638.D

Acq: 31 Aug 2019 17:08

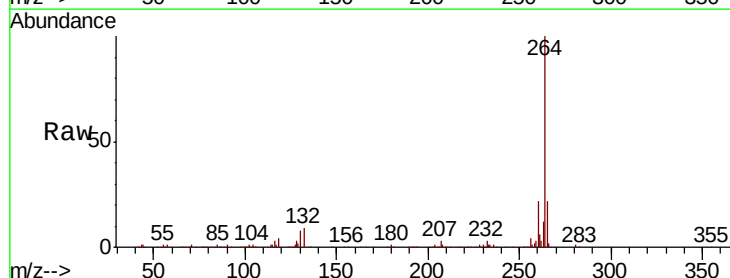
Tgt Ion:264 Resp: 315060

Ion Ratio Lower Upper

264 100

260 22.0 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

