

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\
 Data File : BG042619.D
 Acq On : 31 Aug 2019 3:02
 Operator : HP/JU
 Sample : K4439-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 31 05:10:51 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	36293	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	139898	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	104661	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	233171	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	246143	20.00	ng	-0.01
87) Perylene-d12	24.92	264	291155	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	169487	94.58	ng	0.00
7) Phenol-d6	7.16	99	227476	93.98	ng	-0.01
23) Nitrobenzene-d5	9.16	82	131574	64.99	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	144644	97.23	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	410691	66.37	ng	0.00
79) Terphenyl-d14	20.02	244	704010	61.83	ng	0.00

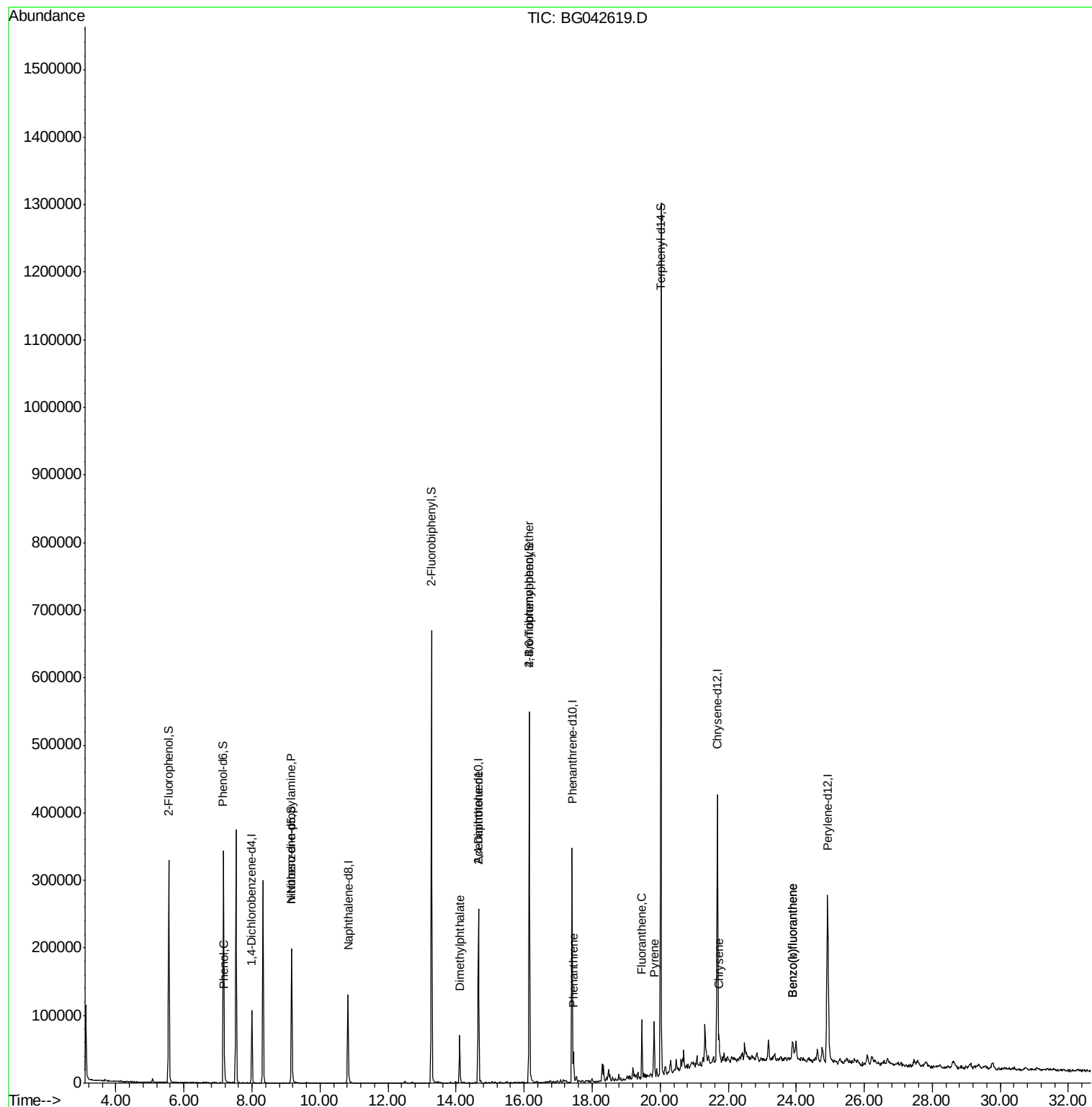
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.19	94	7207	2.928	ng	85
19) n-Nitroso-di-n-propylamine	9.16	70	17186	10.959	ng	# 77
50) Dimethylphthalate	14.10	163	63590	8.421	ng	98
57) 2,4-Dinitrotoluene	14.66	165	13955	5.567	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	9738	3.293	ng	# 1
71) Phenanthrene	17.45	178	31847	2.750	ng	99
75) Fluoranthene	19.46	202	56260	3.980	ng	96
78) Pyrene	19.82	202	58915	3.904	ng	96
83) Chrysene	21.72	228	31397	2.174	ng	96
88) Benzo(b)fluoranthene	23.89	252	34851	2.177	ng	99
89) Benzo(k)fluoranthene	23.89	252	34851	2.265	ng	99

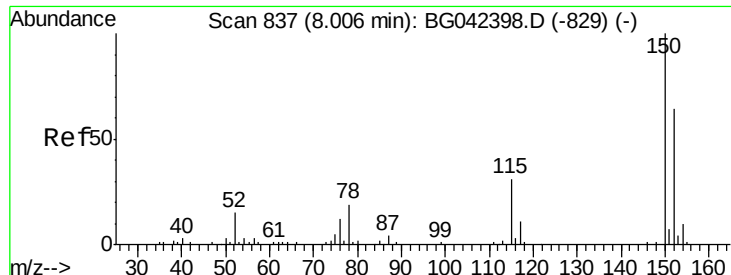
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\
Data File : BG042619.D
Acq On : 31 Aug 2019 3:02
Operator : HP/JU
Sample : K4439-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Aug 31 05:10:51 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



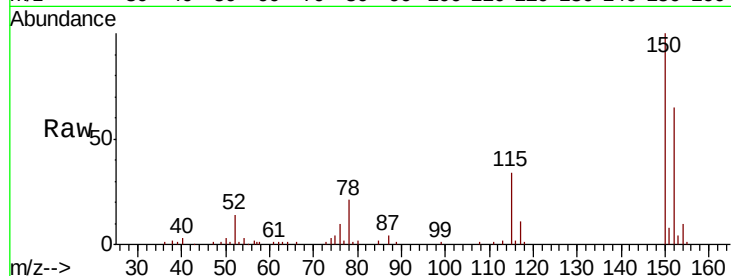


#1

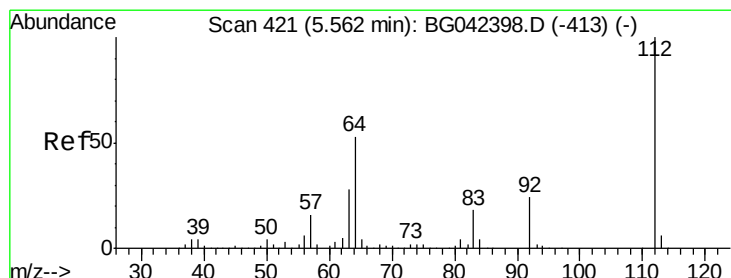
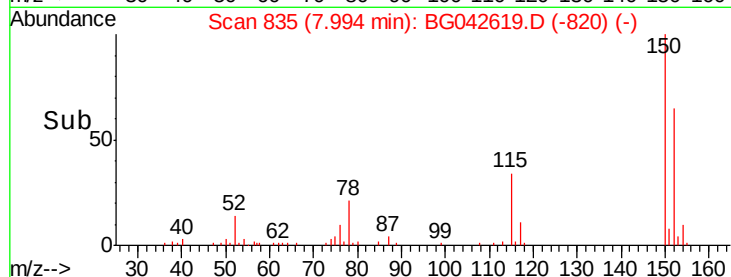
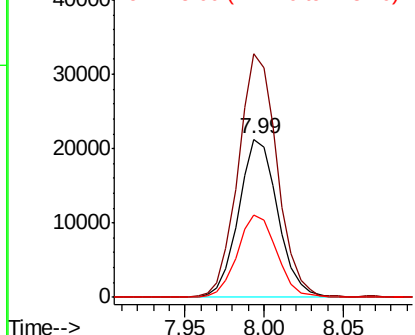
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042619.D
Acq: 31 Aug 2019 3:02

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 36293
Ion Ratio Lower Upper
152 100
150 154.0 125.4 188.0
115 52.5 38.5 57.7



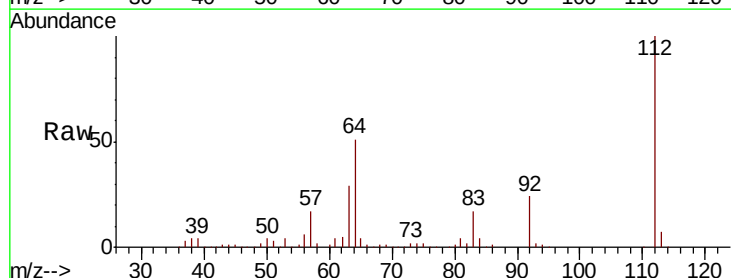
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



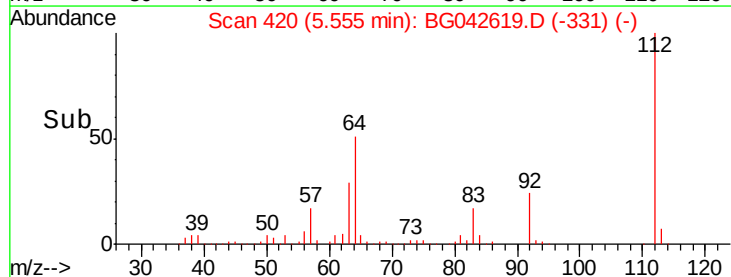
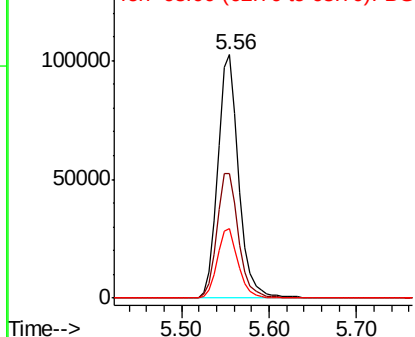
#5

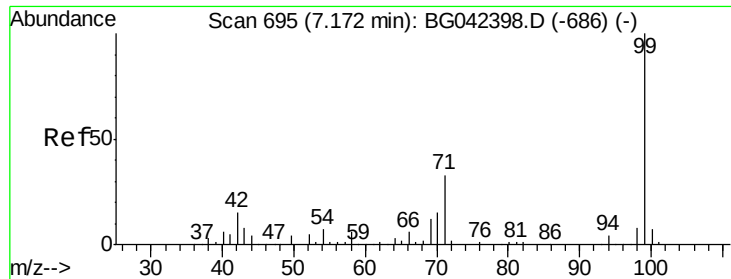
2-Fluorophenol
Concen: 94.580 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042619.D
Acq: 31 Aug 2019 3:02

Tgt Ion:112 Resp: 169487
Ion Ratio Lower Upper
112 100
64 51.3 42.8 64.2
63 28.8 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: 93.976 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042619.D

Acq: 31 Aug 2019 3:02

Instrument :

BNA_G

ClientSampleId :

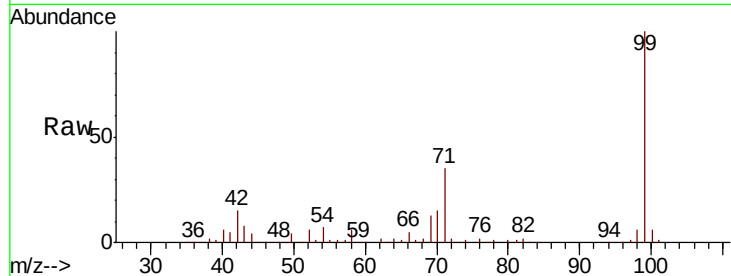
Tot Ion: 99 Resp: 227476

Ion Ratio Lower Upper

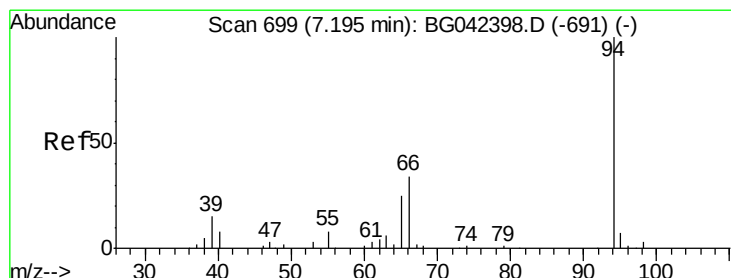
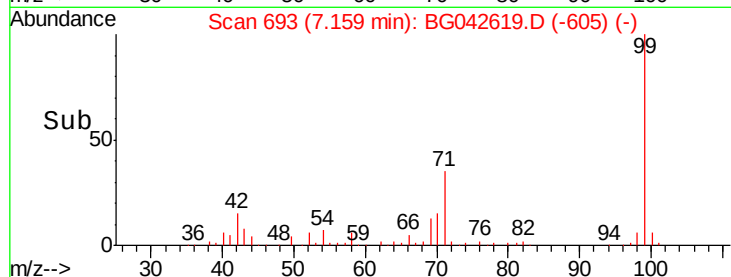
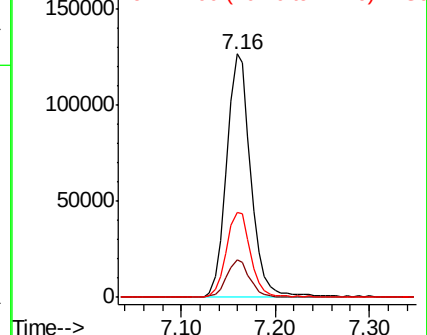
99 100

42 15.4 12.0 18.0

71 34.9 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



#10

Phenol

Concen: 2.928 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042619.D

Acq: 31 Aug 2019 3:02

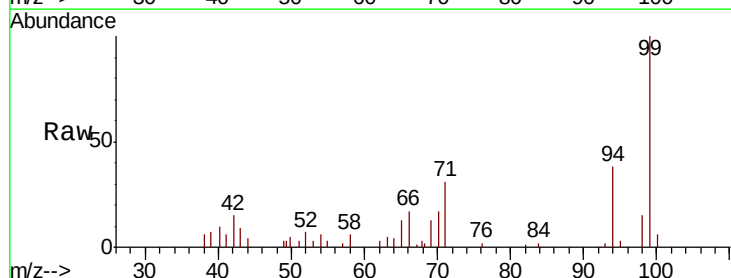
Tgt Ion: 94 Resp: 7207

Ion Ratio Lower Upper

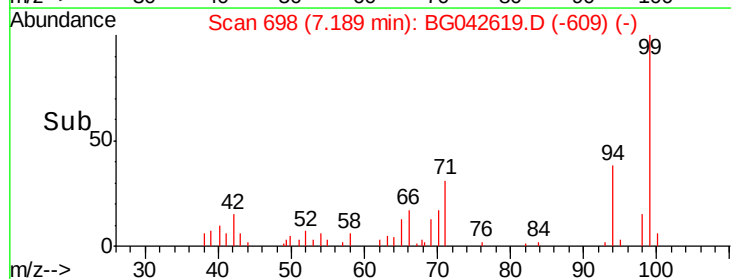
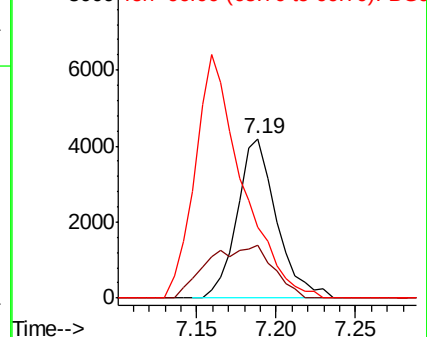
94 100

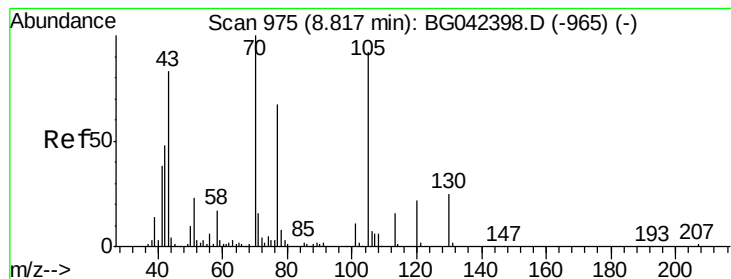
65 33.5 5.6 45.6

66 44.4 16.0 56.0



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 10.959 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042619.D

Acq: 31 Aug 2019 3:02

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 17186

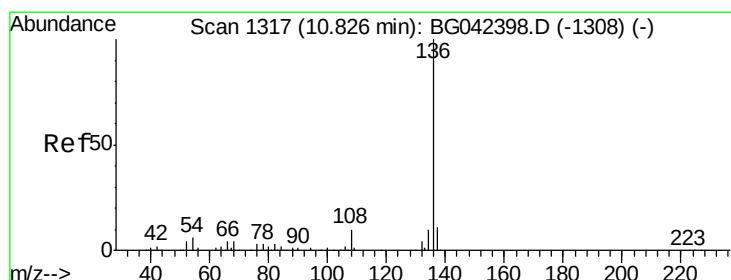
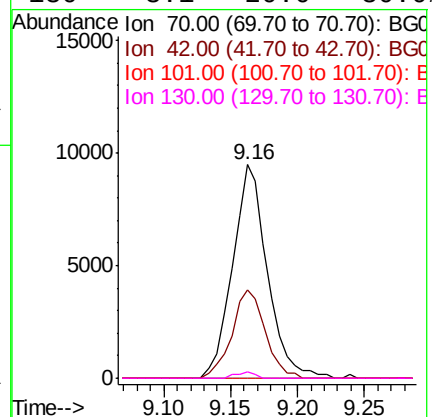
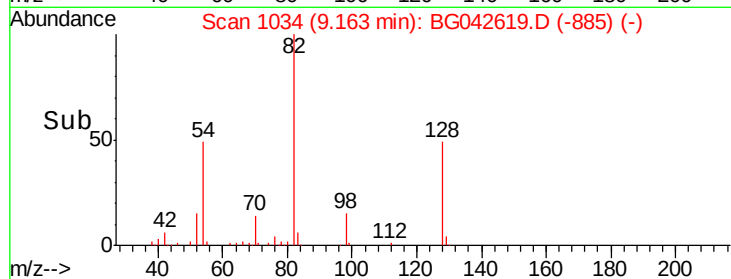
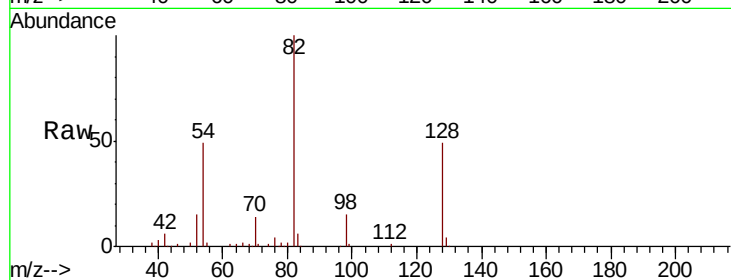
Ion Ratio Lower Upper

70 100

42 41.5 38.8 58.2

101 0.0 9.0 13.6#

130 3.1 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: BG042619.D

Acq: 31 Aug 2019 3:02

Tgt Ion: 136 Resp: 139898

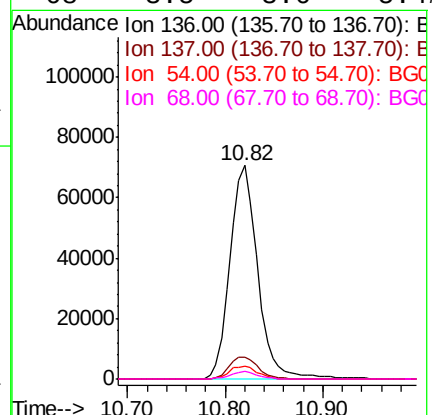
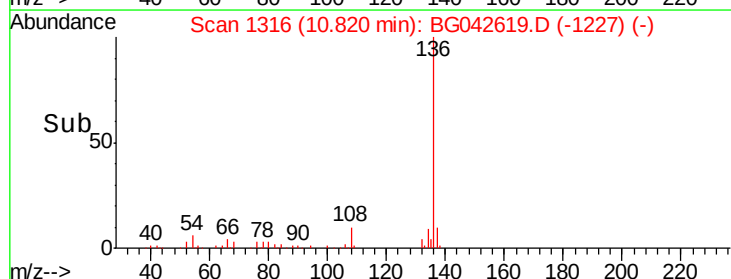
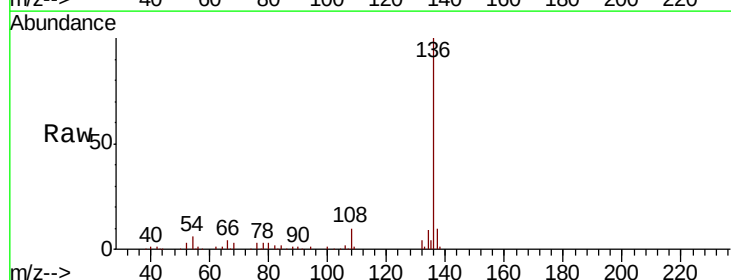
Ion Ratio Lower Upper

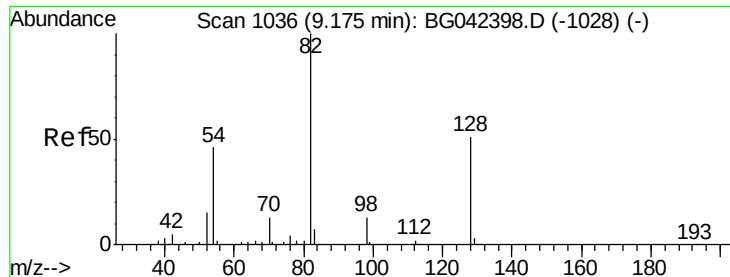
136 100

137 10.4 8.7 13.1

54 5.7 4.9 7.3

68 3.5 3.6 5.4#

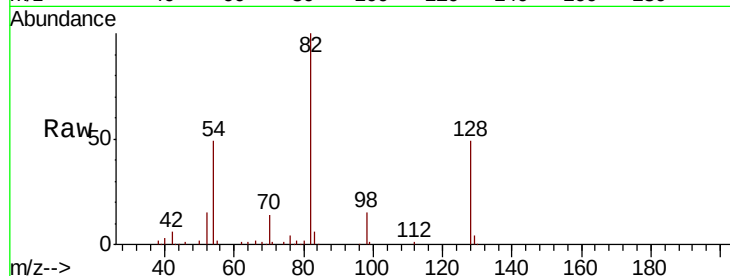




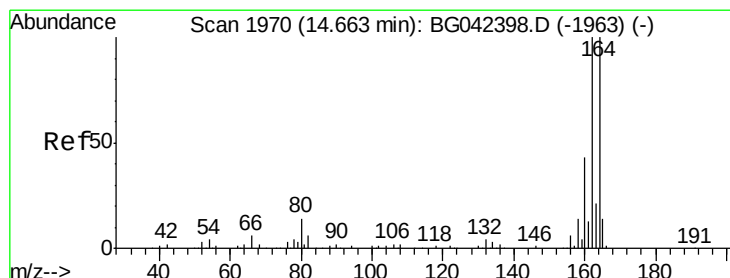
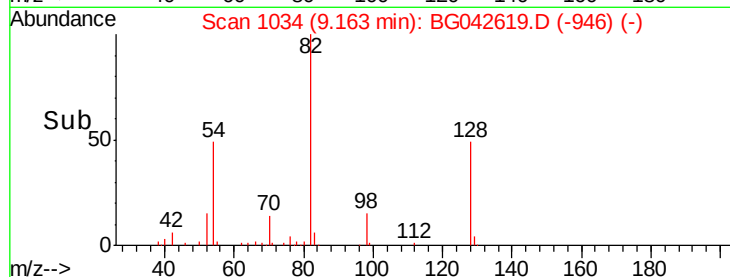
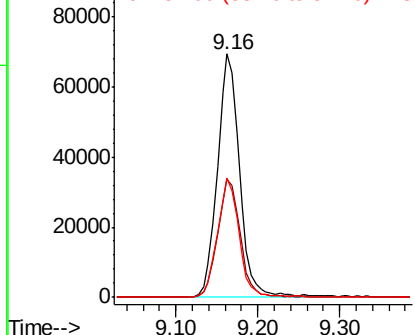
#23
 Nitrobenzene-d5
 Concen: 64.992 ng
 RT: 9.16 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BG042619.D
 Acq: 31 Aug 2019 3:02

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	82	Resp	131574
Ion Ratio	100	Lower	Upper
128	48.8	40.7	61.1
54	48.8	36.3	54.5

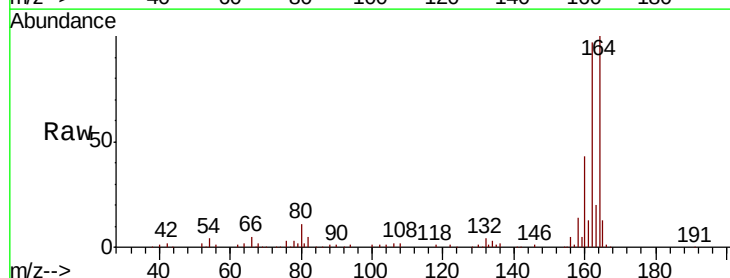


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

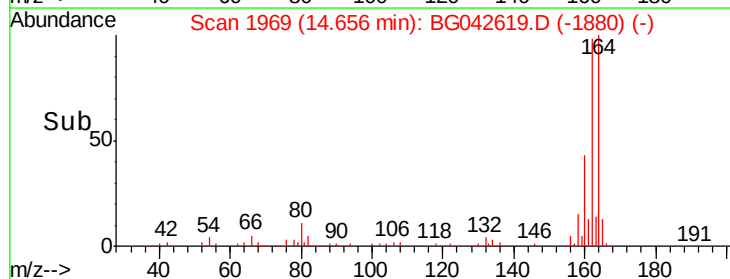
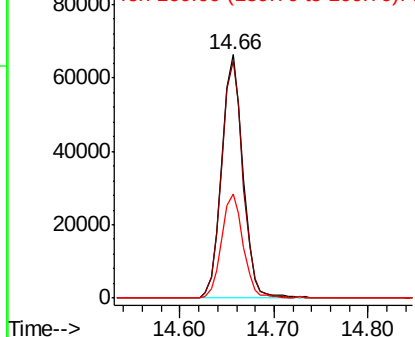


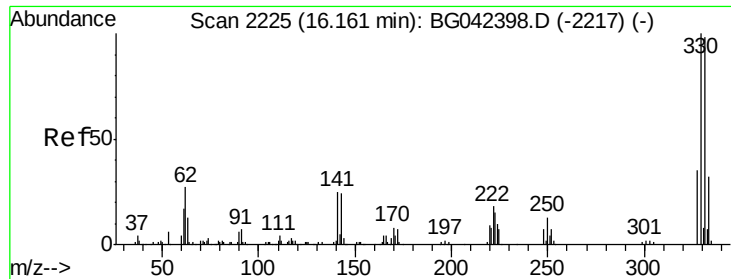
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BG042619.D
 Acq: 31 Aug 2019 3:02

Tgt Ion	164	Resp	104661
Ion Ratio	100	Lower	Upper
162	97.3	79.9	119.9
160	42.7	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

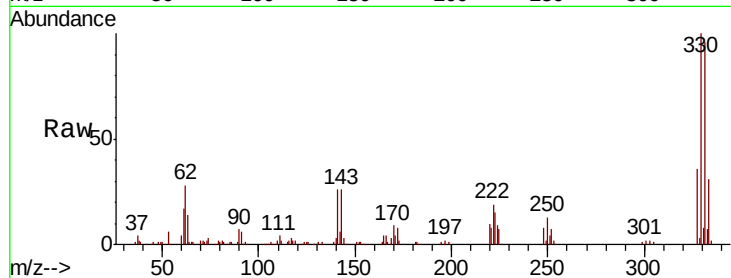




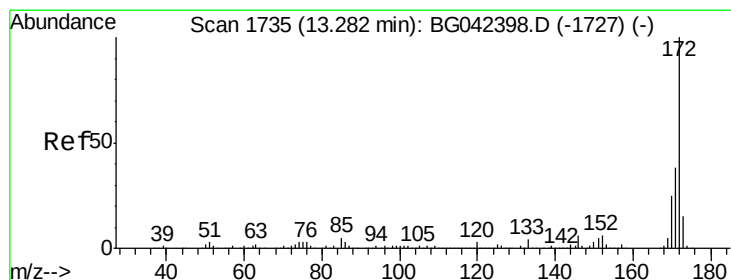
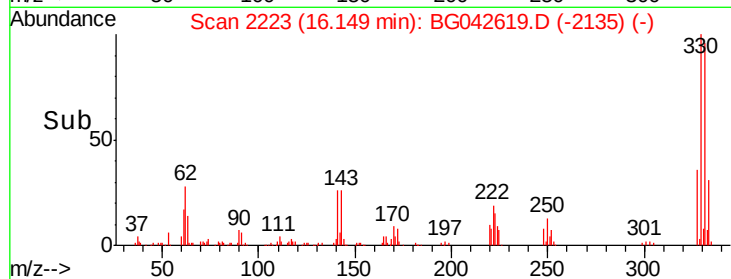
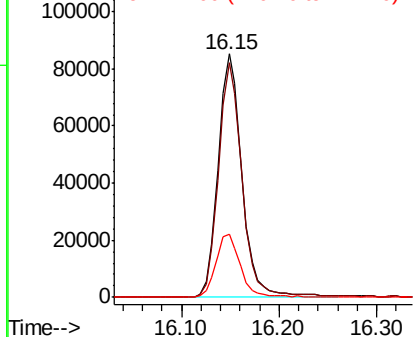
#42
 2,4,6-Tribromophenol
 Concen: 97.234 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042619.D
 Acq: 31 Aug 2019 3:02

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	330	Resp	144644
Ion Ratio	Lower	Upper	
330	100		
332	96.4	77.4	116.0
141	26.5	21.4	32.0

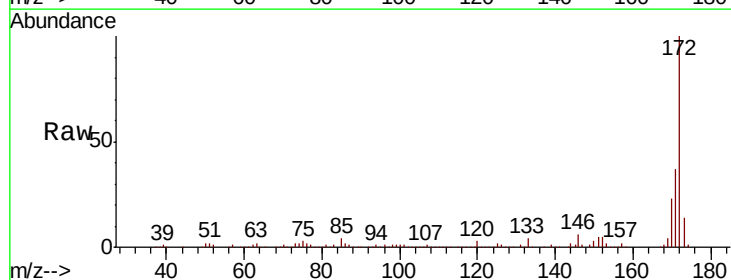


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

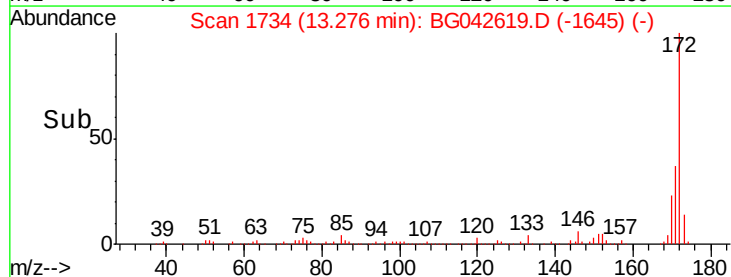
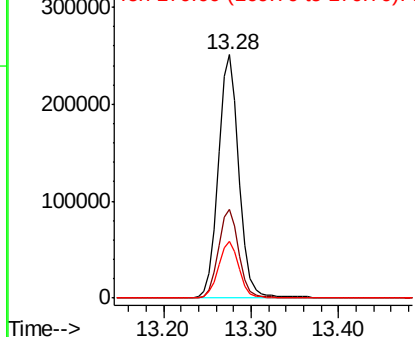


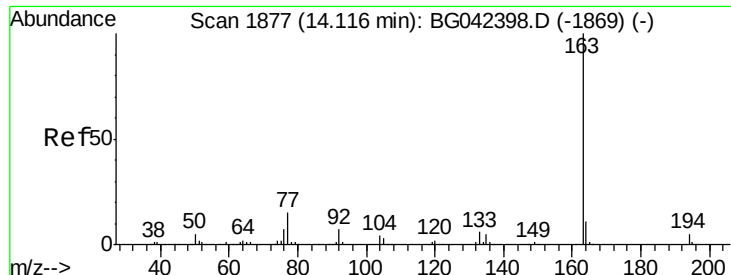
#45
 2-Fluorobiphenyl
 Concen: 66.366 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042619.D
 Acq: 31 Aug 2019 3:02

Tgt Ion	172	Resp	410691
Ion Ratio	Lower	Upper	
172	100		
171	36.7	30.5	45.7
170	23.2	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

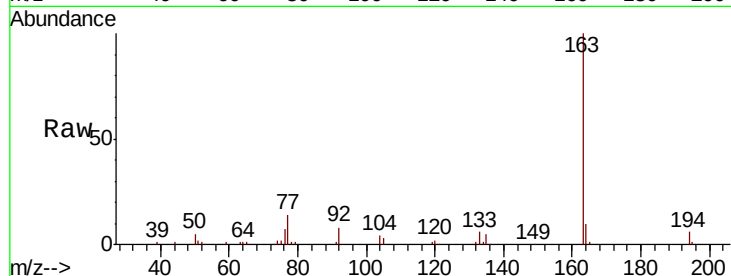




#50
Dimethylphthalate
Concen: 8.421 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042619.D
Acq: 31 Aug 2019 3:02

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	6.0	4.2	6.2
164	10.4	8.8	13.2

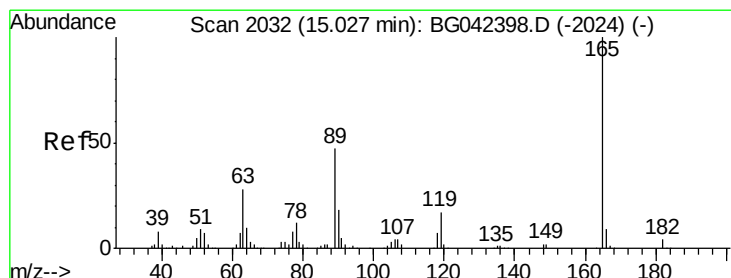
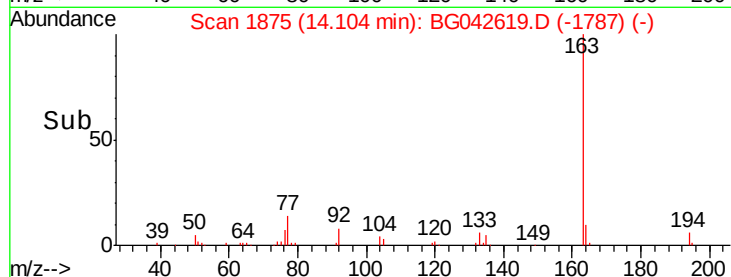
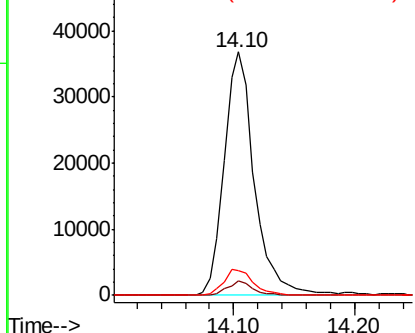


Abundance

Ion 163.00 (162.70 to 163.70): E

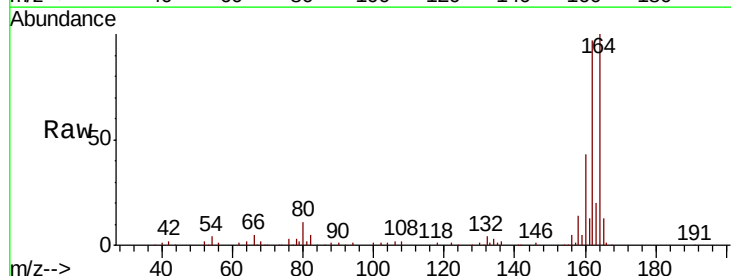
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57
2,4-Dinitrotoluene
Concen: 5.567 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.37 min
Lab File: BG042619.D
Acq: 31 Aug 2019 3:02

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#



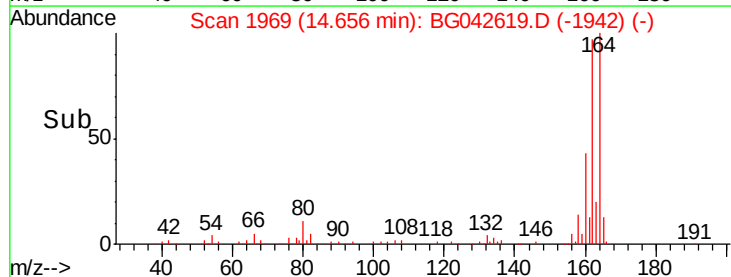
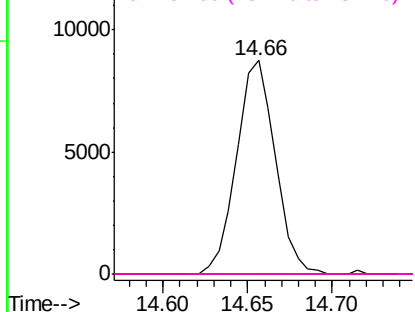
Abundance

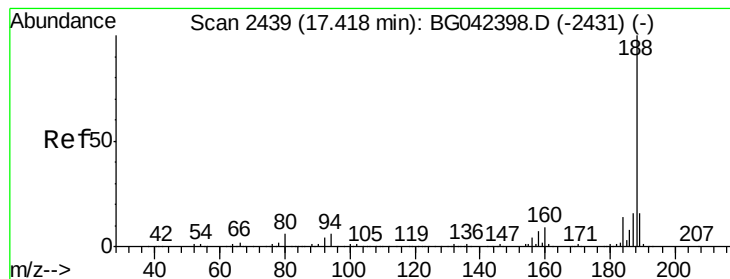
Ion 165.00 (164.70 to 165.70): E

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: BG042619.D

Acq: 31 Aug 2019 3:02

Instrument :

BNA_G

ClientSampleId :

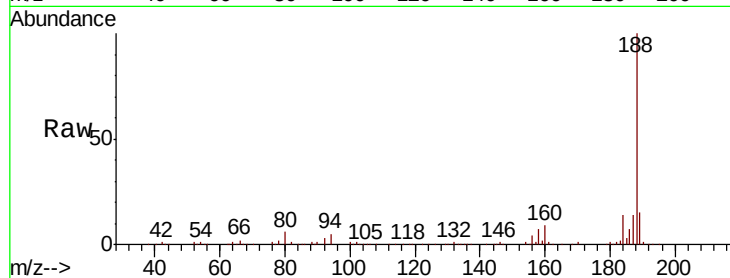
Tot Ion:188 Resp: 233171

Ion Ratio Lower Upper

188 100

94 5.1 4.5 6.7

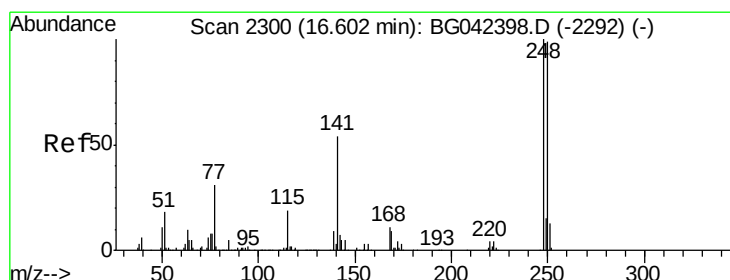
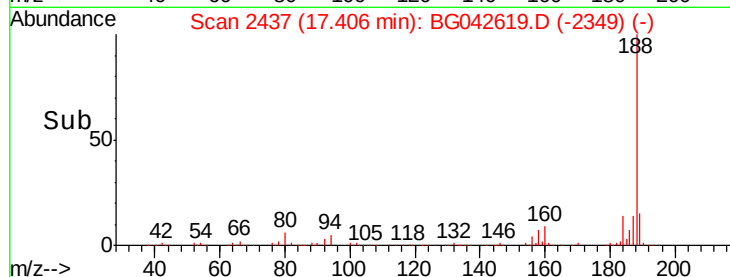
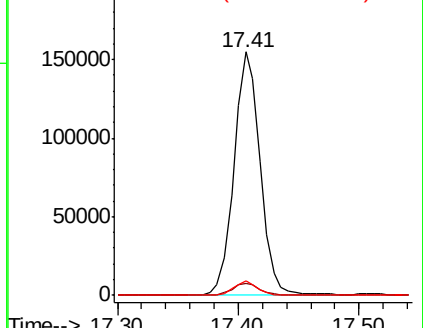
80 5.8 4.9 7.3



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: 3.293 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042619.D

Acq: 31 Aug 2019 3:02

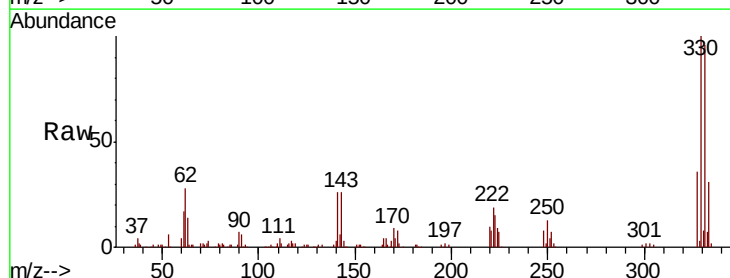
Tgt Ion:248 Resp: 9738

Ion Ratio Lower Upper

248 100

250 176.0 78.9 118.3#

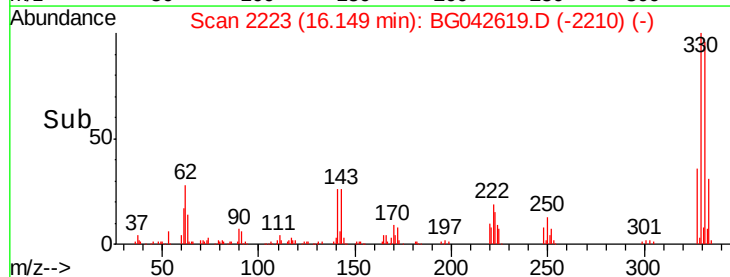
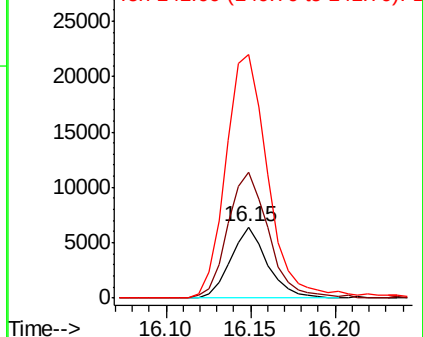
141 341.8 43.3 64.9#

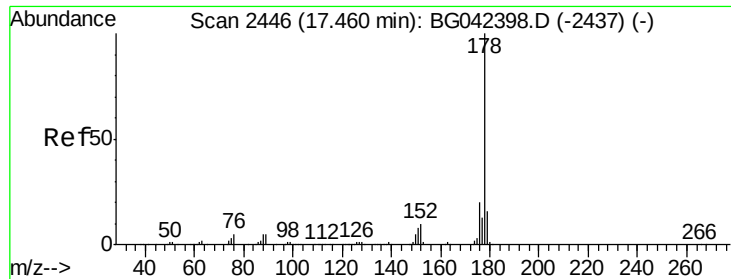


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 2.750 ng

RT: 17.45 min Scan# 2444

Delta R.T. -0.01 min

Lab File: BG042619.D

Acq: 31 Aug 2019 3:02

Instrument :

BNA_G

ClientSampled :

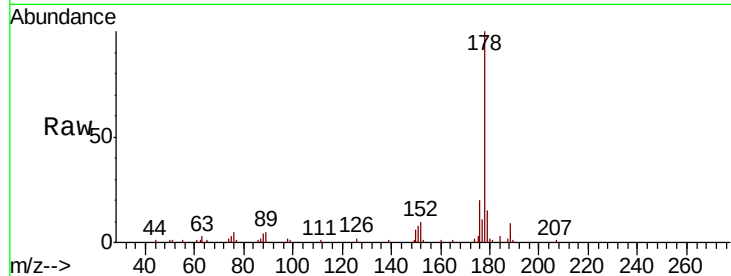
Tot Ion:178 Resp: 31847

Ion Ratio Lower Upper

178 100

176 20.3 15.9 23.9

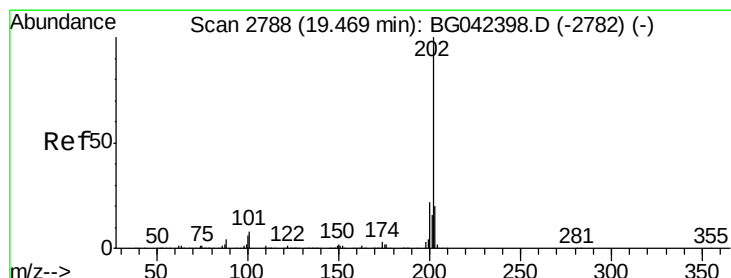
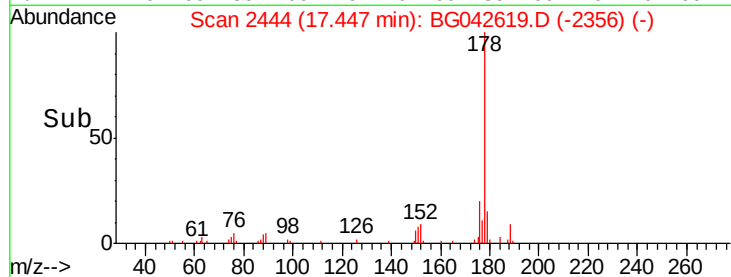
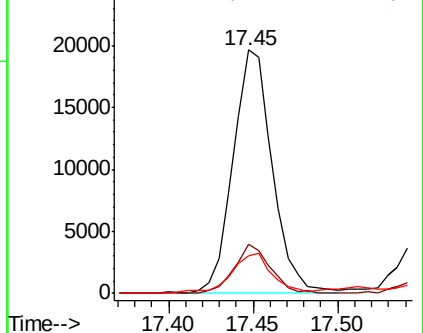
179 15.2 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 3.980 ng

RT: 19.46 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BG042619.D

Acq: 31 Aug 2019 3:02

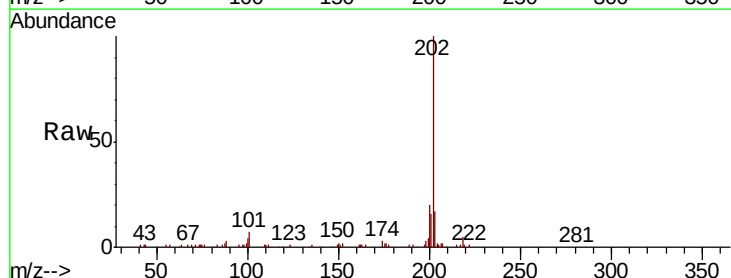
Tgt Ion:202 Resp: 56260

Ion Ratio Lower Upper

202 100

101 7.1 0.0 28.3

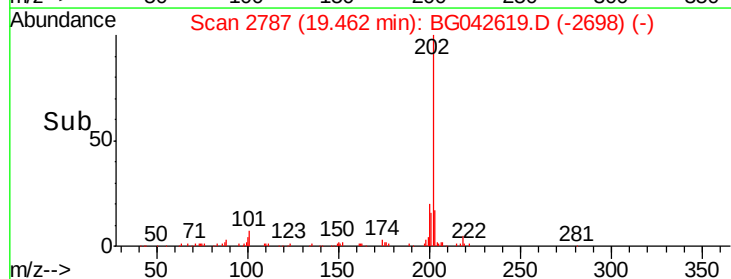
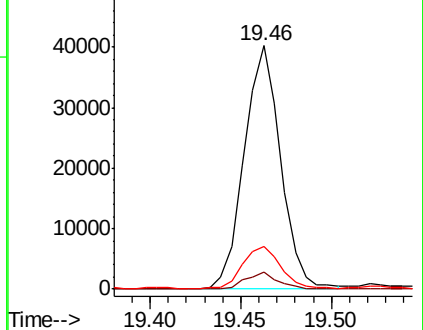
203 17.4 0.0 39.6

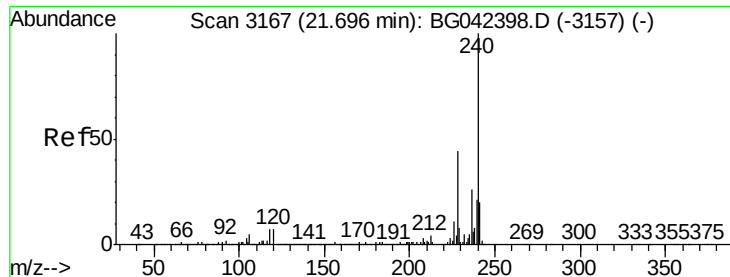


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG042619.D

Acq: 31 Aug 2019 3:02

Instrument :

BNA_G

ClientSampleId :

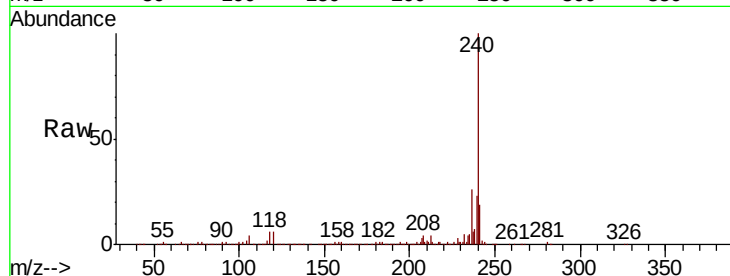
Tot Ion:240 Resp: 246143

Ion Ratio Lower Upper

240 100

120 5.8 5.7 8.5

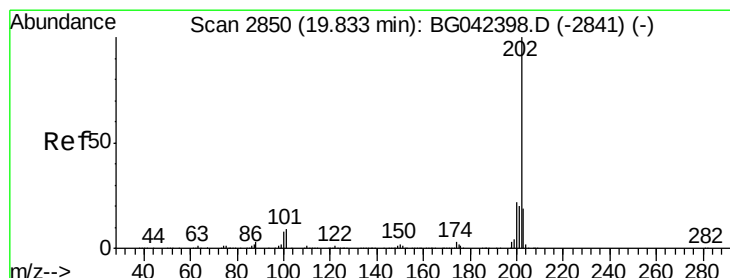
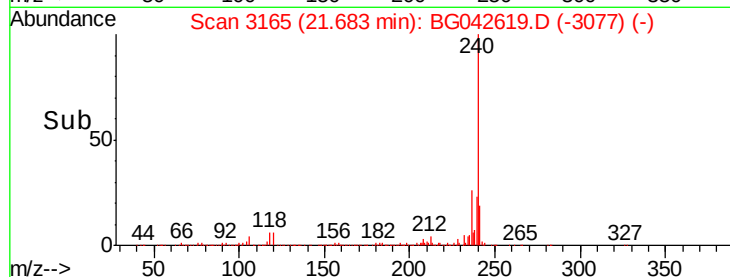
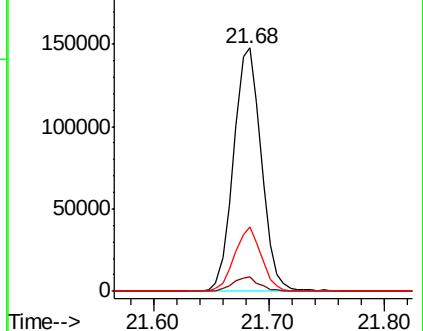
236 26.4 21.0 31.4



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



#78

Pyrene

Concen: 3.904 ng

RT: 19.82 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG042619.D

Acq: 31 Aug 2019 3:02

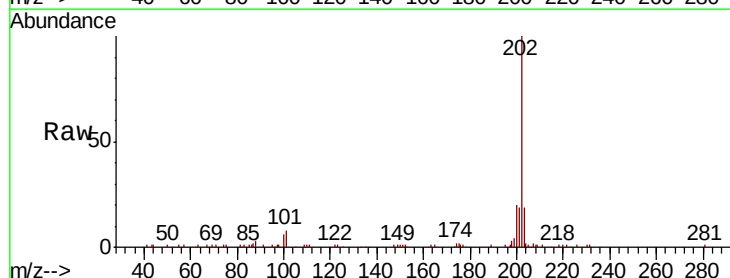
Tgt Ion:202 Resp: 58915

Ion Ratio Lower Upper

202 100

200 19.6 17.8 26.6

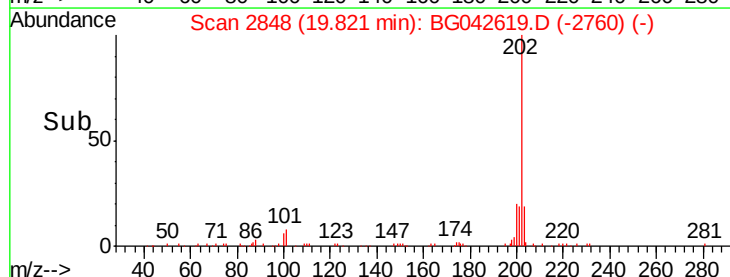
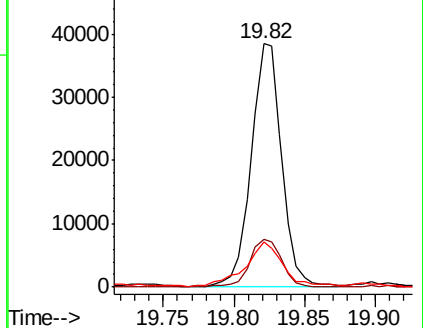
203 18.7 15.5 23.3

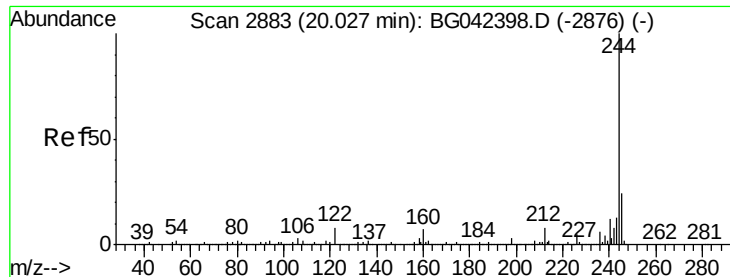


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 61.834 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042619.D

Acq: 31 Aug 2019 3:02

Instrument :

BNA_G

ClientSampleId :

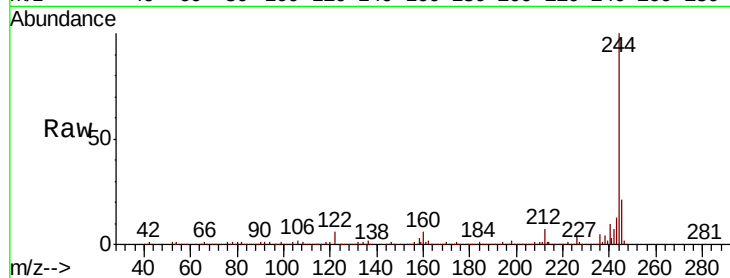
Tot Ion:244 Resp: 704010

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

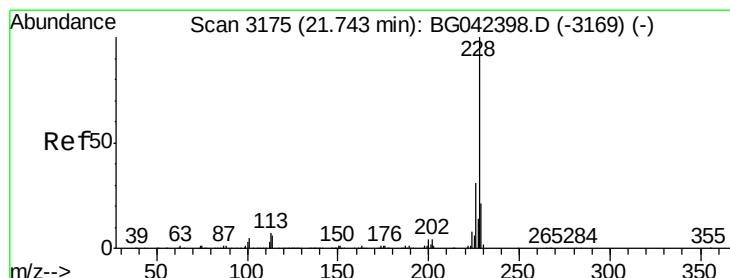
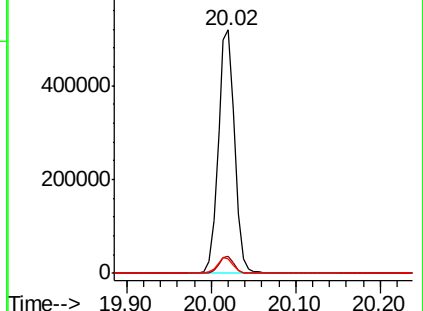
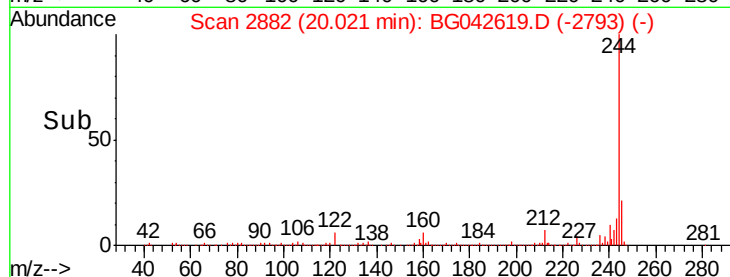
122 6.2 6.7 10.1#



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



#83

Chrysene

Concen: 2.174 ng

RT: 21.72 min Scan# 3172

Delta R.T. -0.02 min

Lab File: BG042619.D

Acq: 31 Aug 2019 3:02

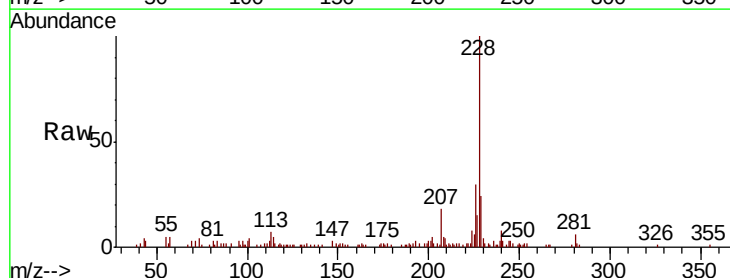
Tgt Ion:228 Resp: 31397

Ion Ratio Lower Upper

228 100

226 29.6 24.9 37.3

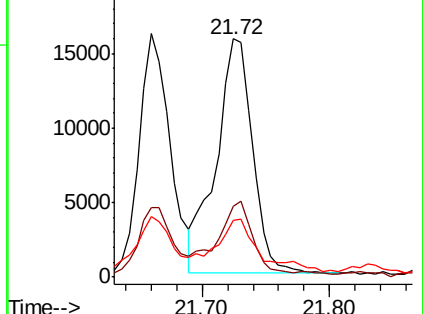
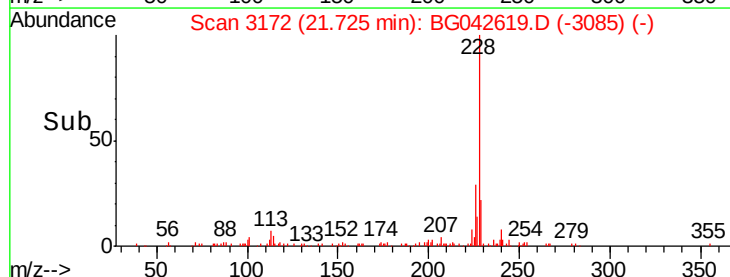
229 24.1 16.9 25.3

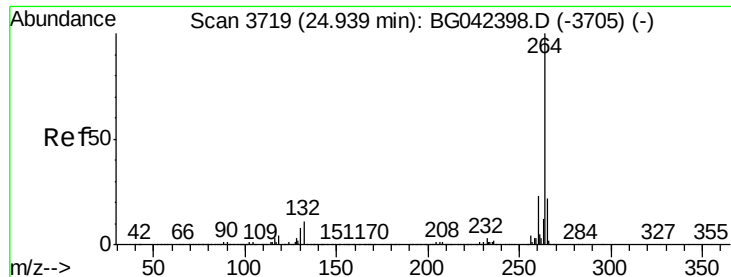


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3716

Delta R.T. -0.02 min

Lab File: BG042619.D

Acq: 31 Aug 2019 3:02

Instrument :

BNA_G

ClientSampleId :

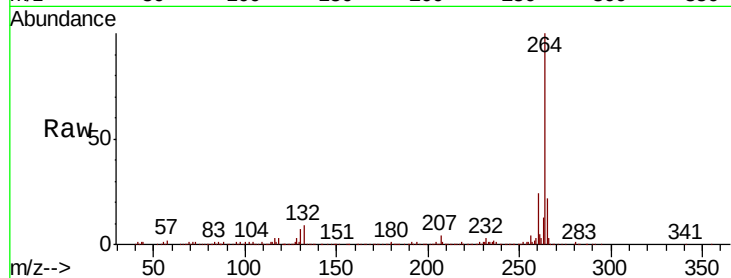
Tot Ion:264 Resp: 291155

Ion Ratio Lower Upper

264 100

260 24.2 18.5 27.7

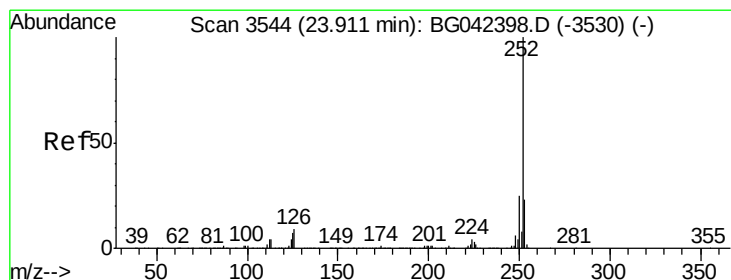
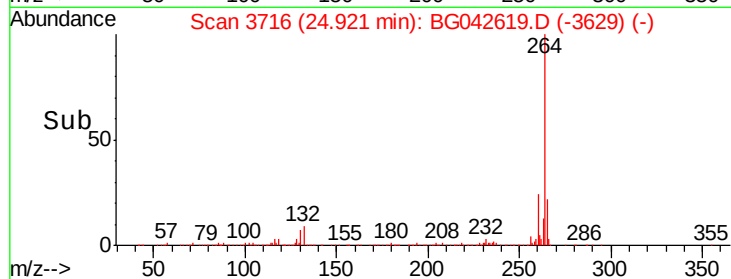
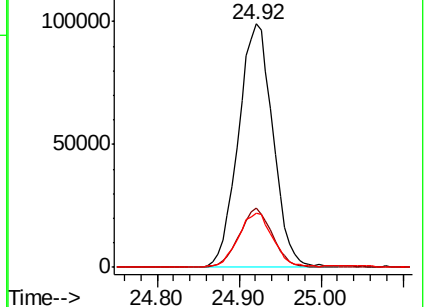
265 22.2 17.6 26.4



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



#88

Benzo(b)fluoranthene

Concen: 2.177 ng

RT: 23.89 min Scan# 3541

Delta R.T. -0.02 min

Lab File: BG042619.D

Acq: 31 Aug 2019 3:02

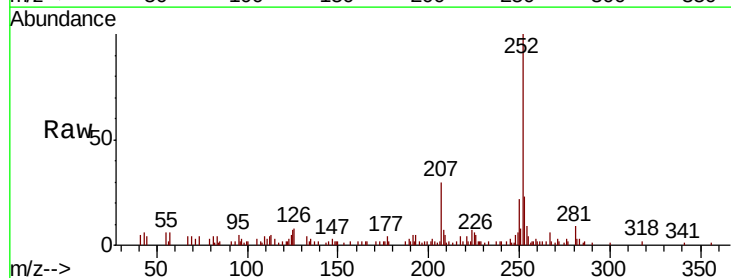
Tgt Ion:252 Resp: 34851

Ion Ratio Lower Upper

252 100

253 22.9 18.6 27.8

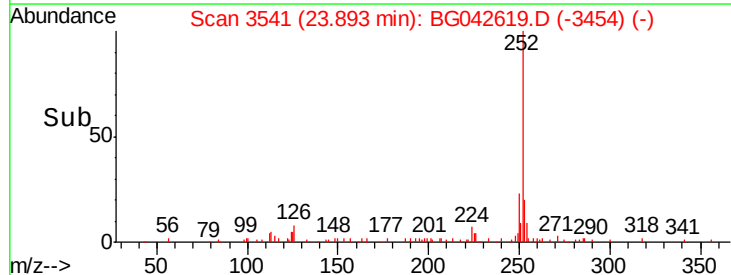
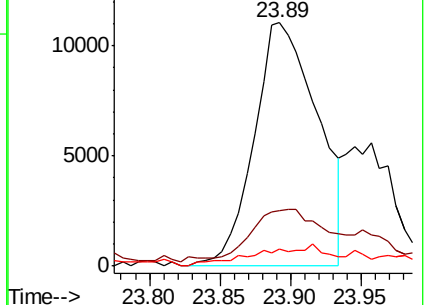
125 7.1 5.6 8.4

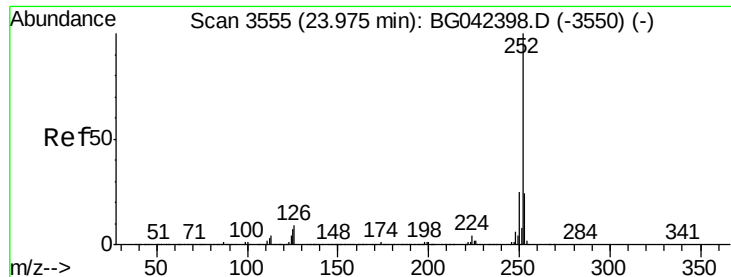


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.265 ng

RT: 23.89 min Scan# 3541

Delta R.T. -0.08 min

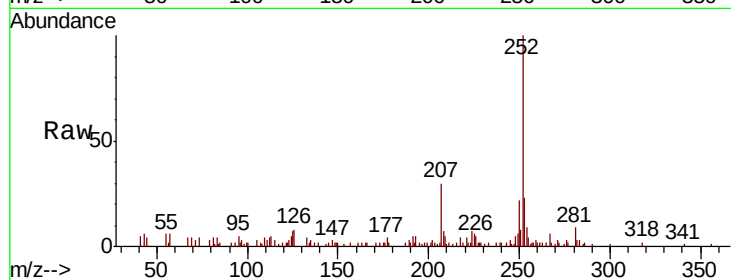
Lab File: BG042619.D

Acq: 31 Aug 2019 3:02

Instrument :

BNA_G

ClientSampleId :



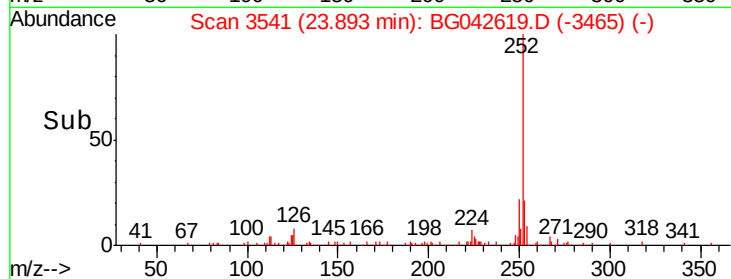
Tot Ion:252 Resp: 34851

Ion Ratio Lower Upper

252 100

253 22.9 18.6 27.8

125 7.1 5.8 8.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

