

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090419\
 Data File : BG042709.D
 Acq On : 4 Sep 2019 16:03
 Operator : HP/JU
 Sample : K4555-21
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 04 18:01:56 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

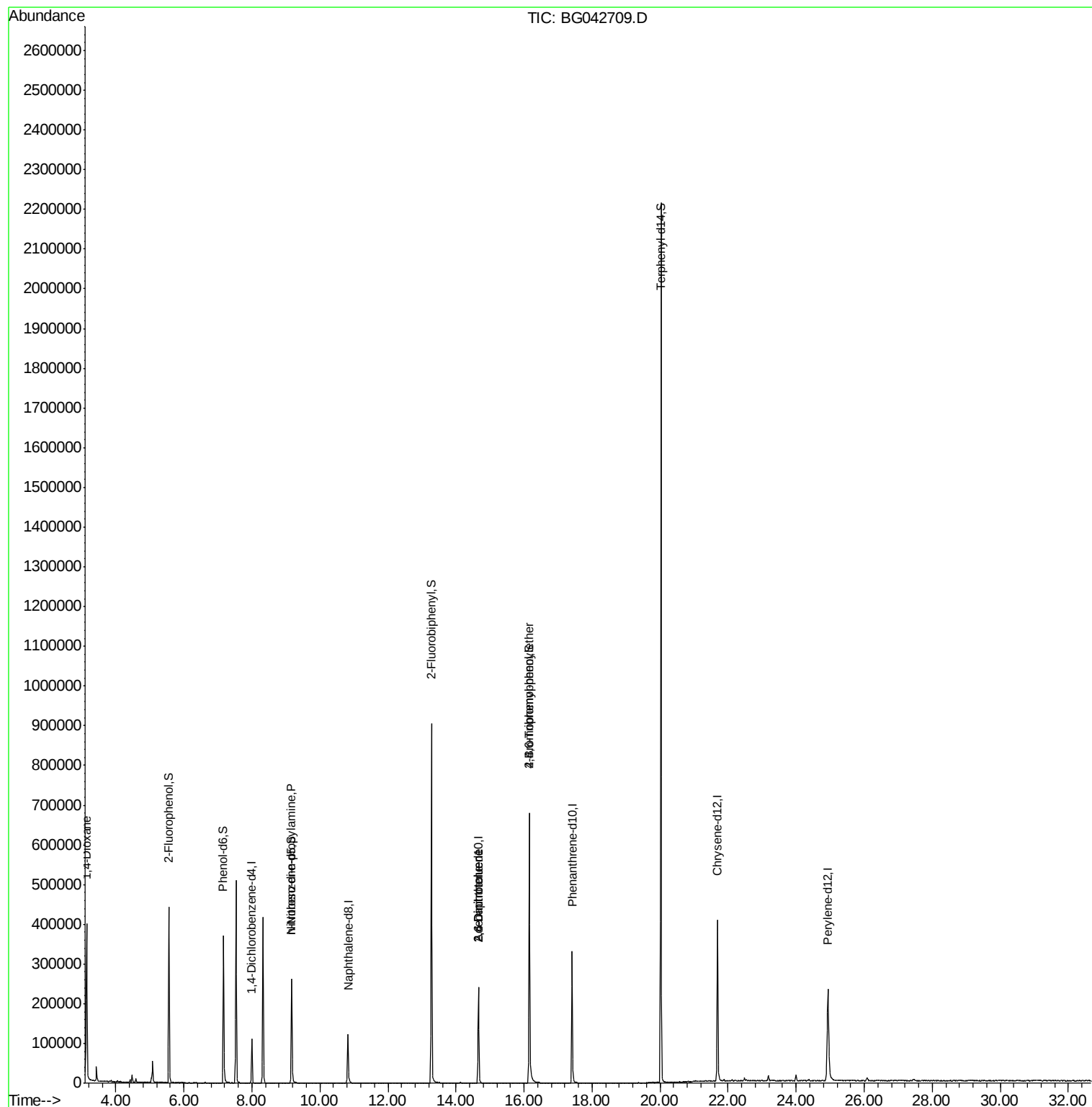
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	37944	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	142778	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	105930	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	253338	20.00	ng	0.00
76) Chrysene-d12	21.69	240	284250	20.00	ng	0.00
87) Perylene-d12	24.93	264	330742	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	219043	116.92	ng	0.00
7) Phenol-d6	7.16	99	248812	98.32	ng	0.00
23) Nitrobenzene-d5	9.17	82	176284	85.32	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	202597	134.56	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	575613	91.90	ng	0.00
79) Terphenyl-d14	20.02	244	1192447	90.69	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.14	88	5012	6.410	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	23644	14.421	ng	# 77
51) 2,6-Dinitrotoluene	14.66	165	13385	7.555	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	13385	5.276	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	14218	4.425	ng	# 1

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

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QLast Update : Thu Aug 22 14:29:15 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.00 min Scan# 835

Delta R.T. -0.01 min

Lab File: BG042709.D

Acq: 4 Sep 2019 16:03

Instrument :

BNA_G

ClientSampled :

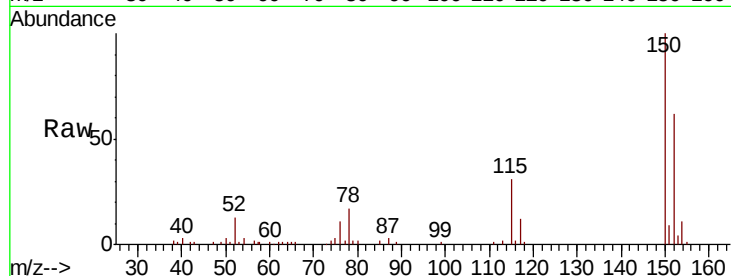
Tot Ion:152 Resp: 37944

Ion Ratio Lower Upper

152 100

150 161.3 125.4 188.0

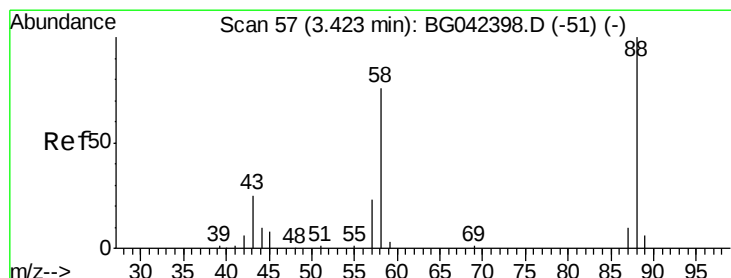
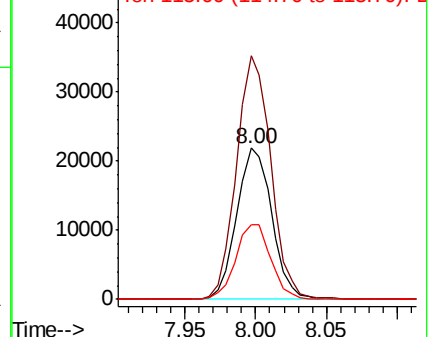
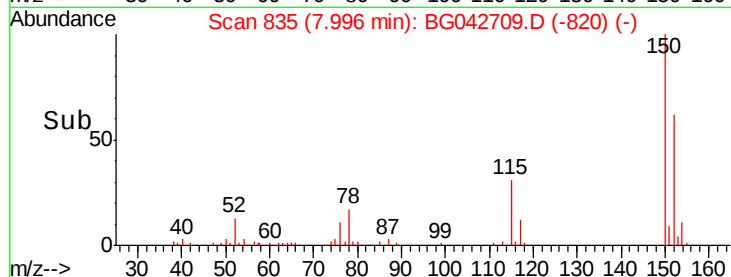
115 49.5 38.5 57.7



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



#2

1,4-Dioxane

Concen: 6.410 ng

RT: 3.14 min Scan# 8

Delta R.T. -0.29 min

Lab File: BG042709.D

Acq: 4 Sep 2019 16:03

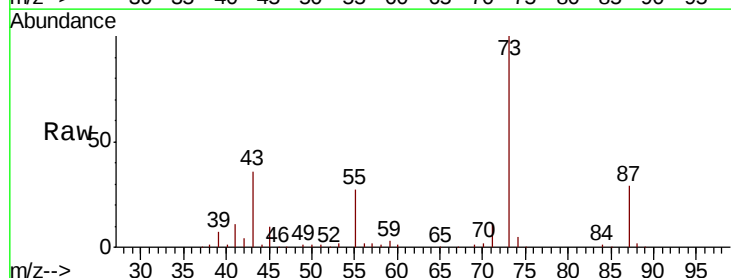
Tgt Ion: 88 Resp: 5012

Ion Ratio Lower Upper

88 100

58 45.4 58.3 87.5#

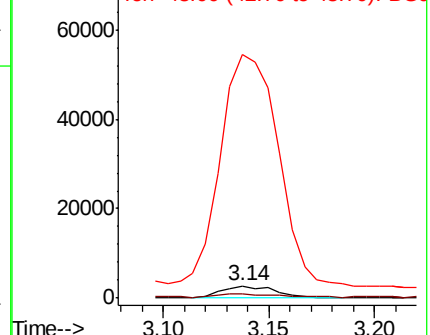
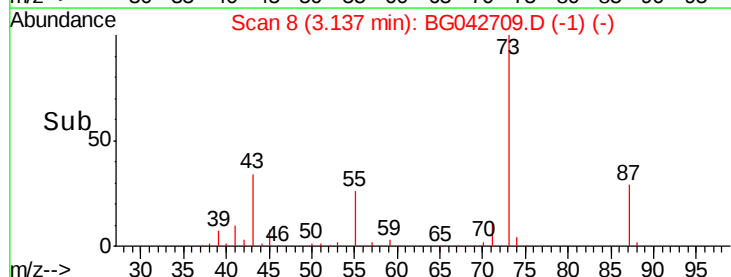
43 2070.3 20.2 30.2#

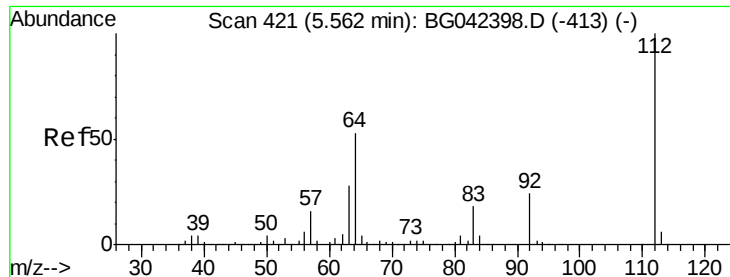


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 116.916 ng

RT: 5.56 min Scan# 420

Delta R.T. -0.00 min

Lab File: BG042709.D

Acq: 4 Sep 2019 16:03

Instrument :

BNA_G

ClientSampled :

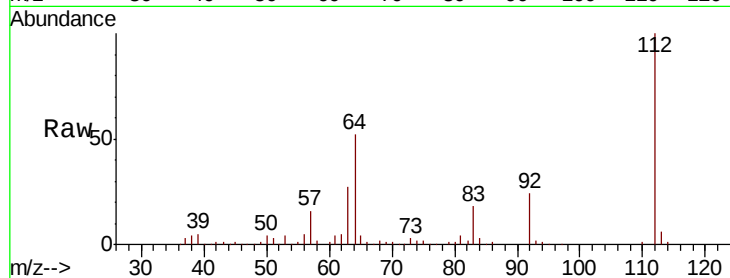
Tot Ion:112 Resp: 219043

Ion Ratio Lower Upper

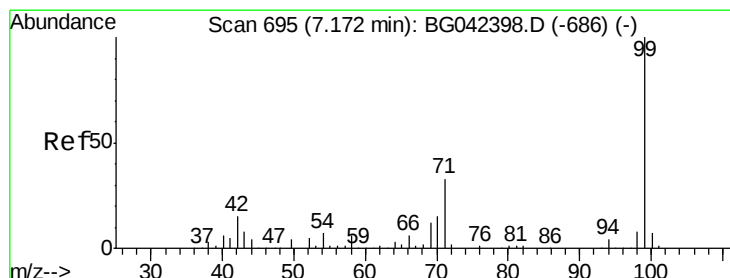
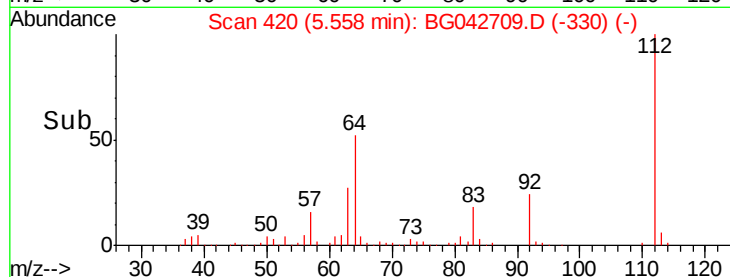
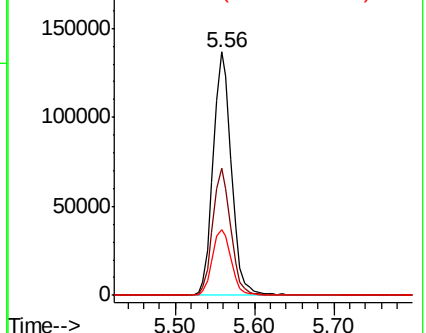
112 100

64 52.1 42.8 64.2

63 26.9 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: 98.318 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042709.D

Acq: 4 Sep 2019 16:03

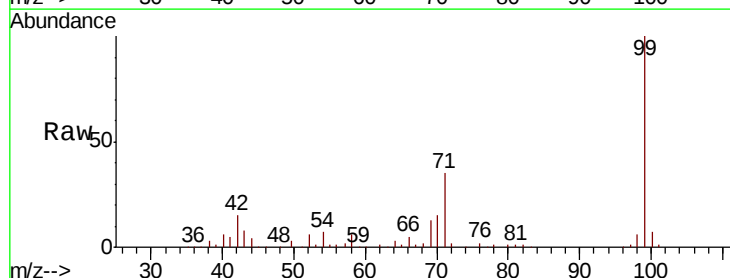
Tgt Ion: 99 Resp: 248812

Ion Ratio Lower Upper

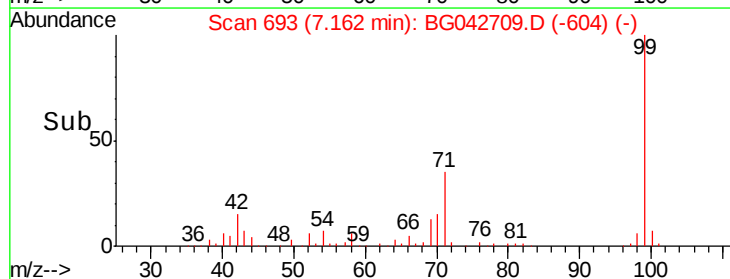
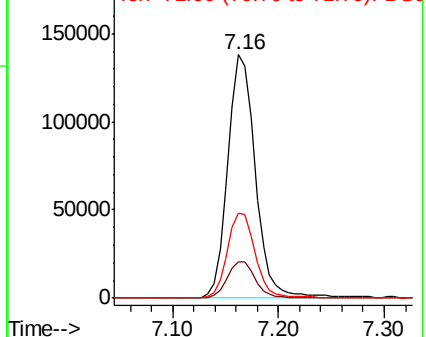
99 100

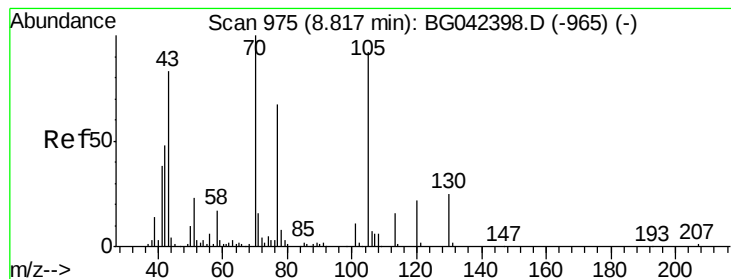
42 14.9 12.0 18.0

71 35.1 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: 14.421 ng

RT: 9.17 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042709.D

Acq: 4 Sep 2019 16:03

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 23644

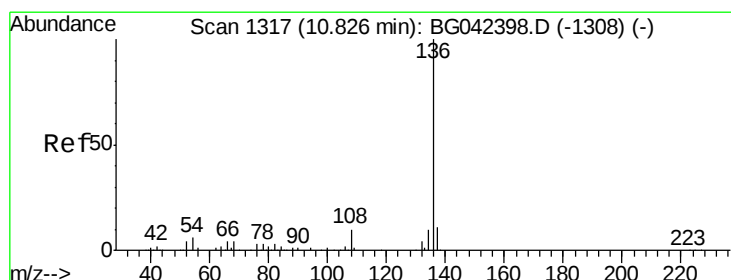
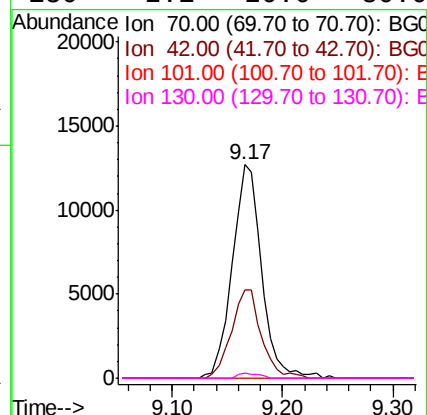
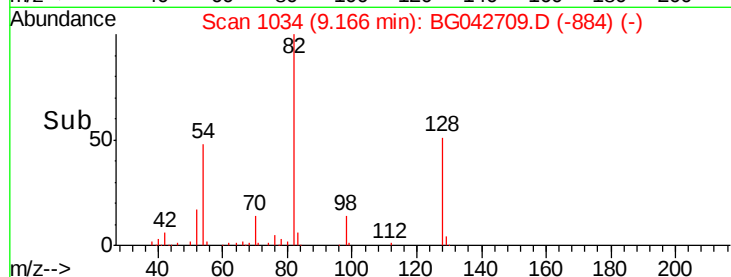
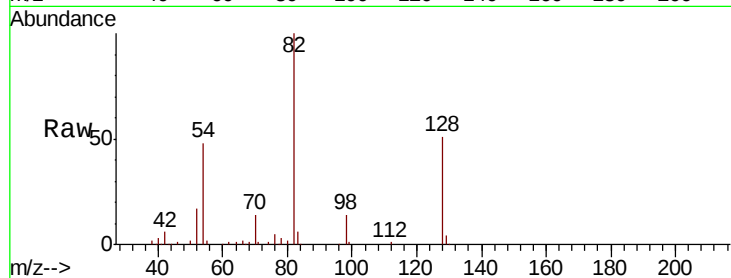
Ion Ratio Lower Upper

70 100

42 41.5 38.8 58.2

101 0.0 9.0 13.6#

130 2.1 20.0 30.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BG042709.D

Acq: 4 Sep 2019 16:03

Tgt Ion: 136 Resp: 142778

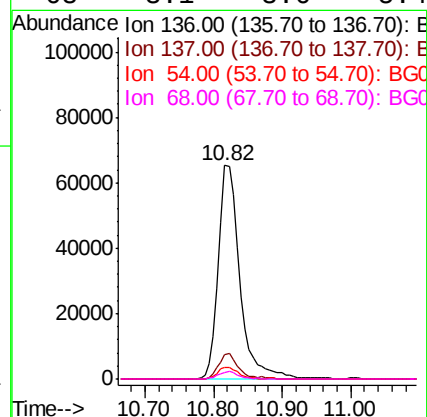
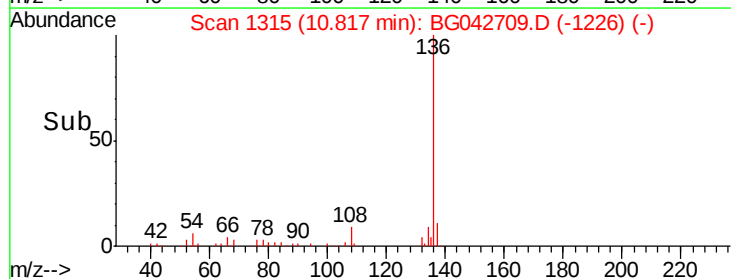
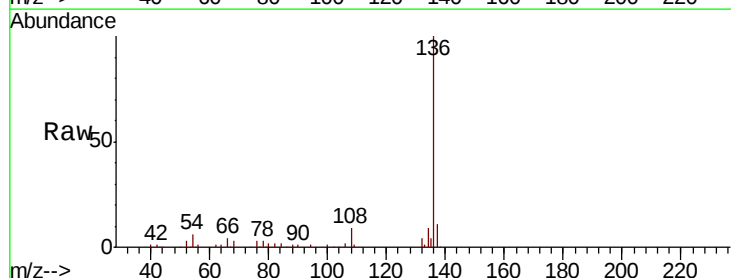
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 5.6 4.9 7.3

68 3.1 3.6 5.4#

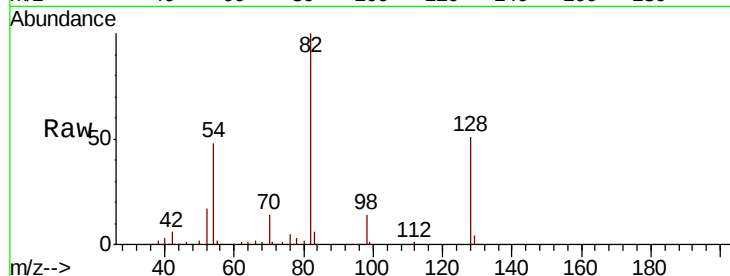




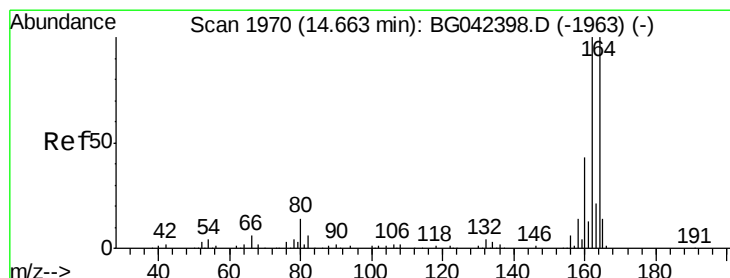
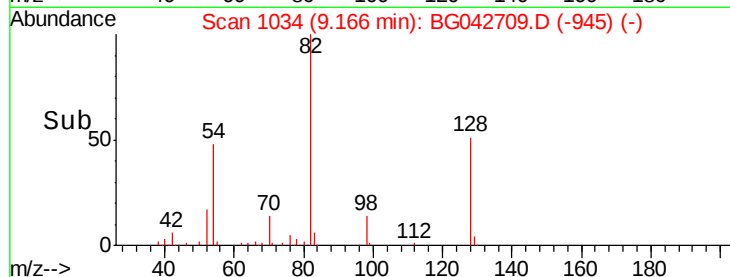
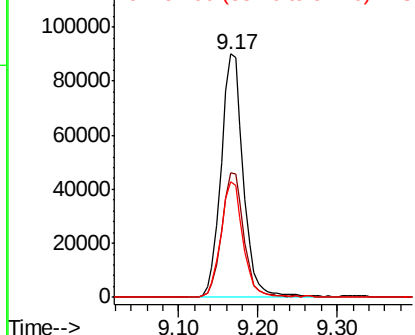
#23
Nitrobenzene-d5
Concen: 85.321 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042709.D
Acq: 4 Sep 2019 16:03

Instrument :
BNA_G
ClientSampled :

Tot Ion: 82 Resp: 176284
Ion Ratio Lower Upper
82 100
128 51.1 40.7 61.1
54 47.5 36.3 54.5

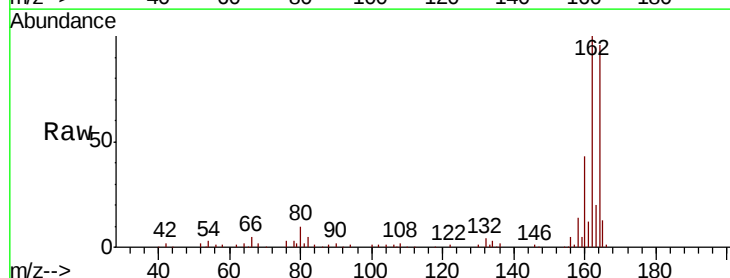


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

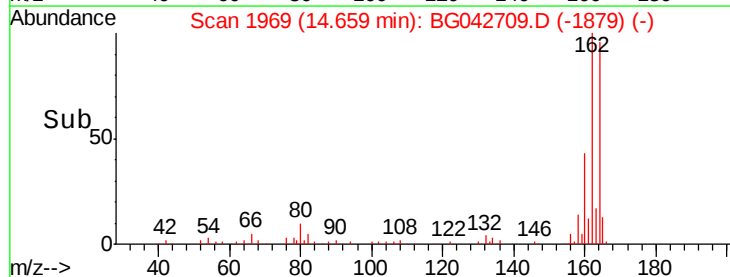
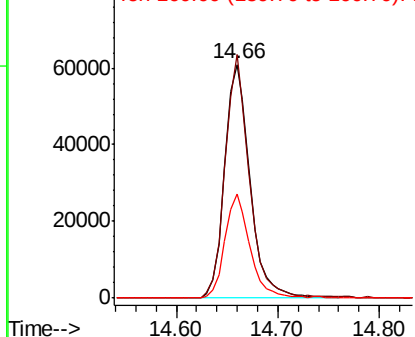


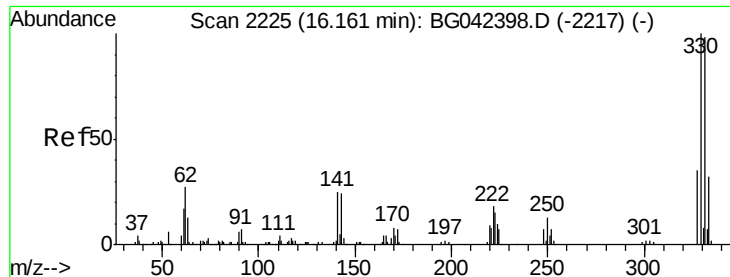
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG042709.D
Acq: 4 Sep 2019 16:03

Tgt Ion:164 Resp: 105930
Ion Ratio Lower Upper
164 100
162 104.2 79.9 119.9
160 44.4 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: 134.560 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042709.D

Acq: 4 Sep 2019 16:03

Instrument :

BNA_G

ClientSampleId :

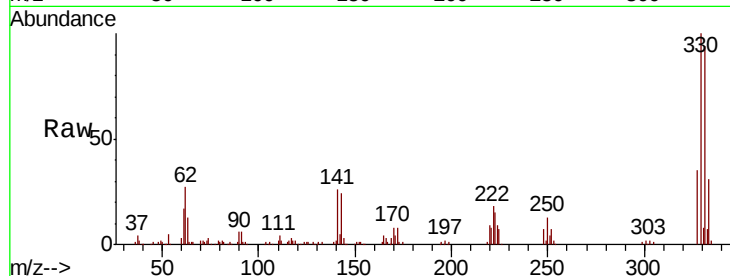
Tot Ion:330 Resp: 202597

Ion Ratio Lower Upper

330 100

332 97.5 77.4 116.0

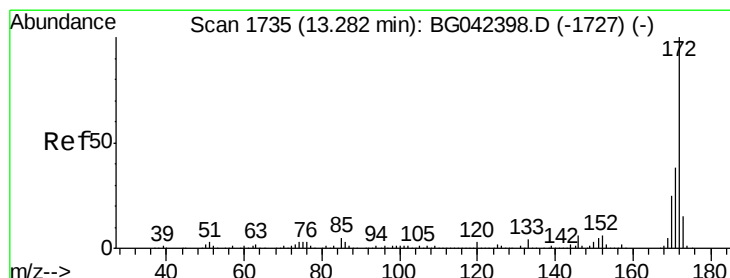
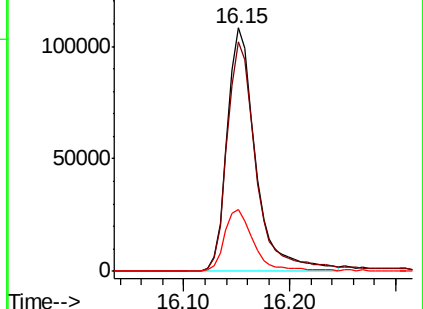
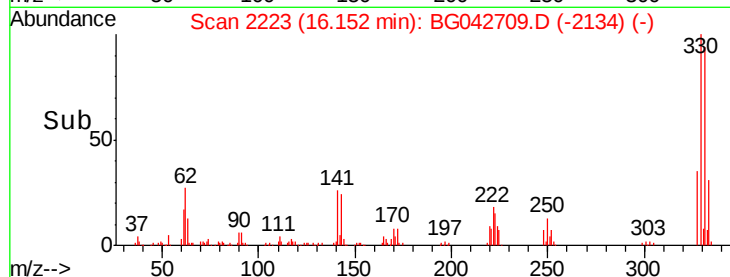
141 27.0 21.4 32.0



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: 91.903 ng

RT: 13.28 min Scan# 1734

Delta R.T. -0.00 min

Lab File: BG042709.D

Acq: 4 Sep 2019 16:03

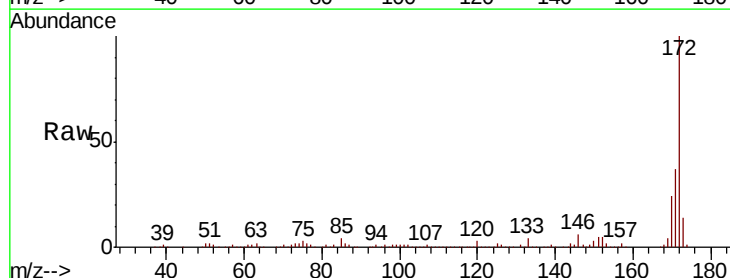
Tgt Ion:172 Resp: 575613

Ion Ratio Lower Upper

172 100

171 37.1 30.5 45.7

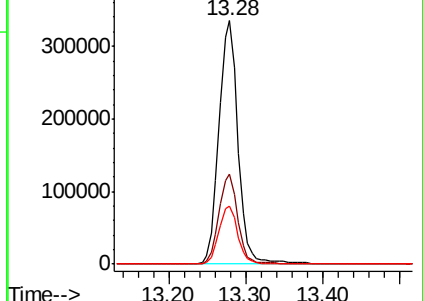
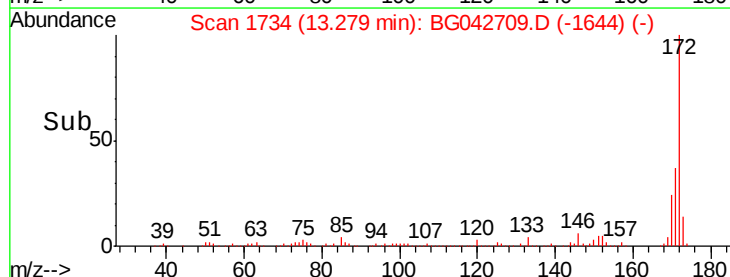
170 23.8 20.2 30.2

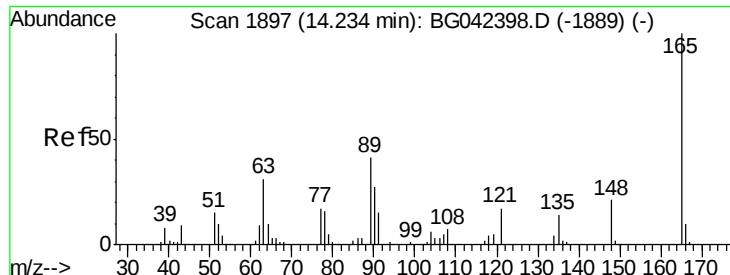


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

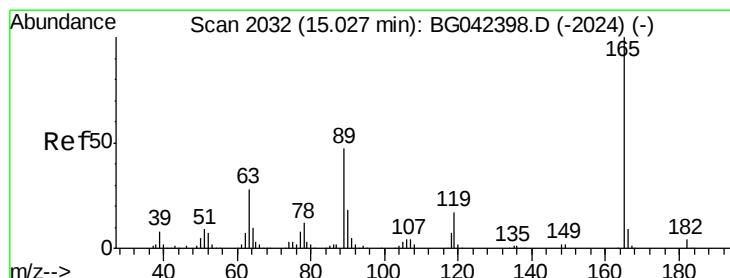
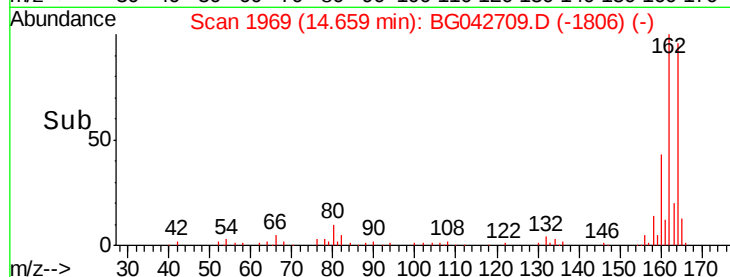
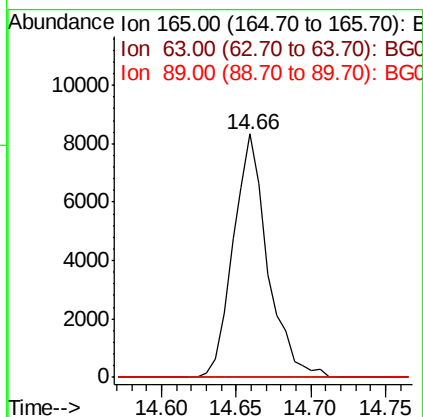
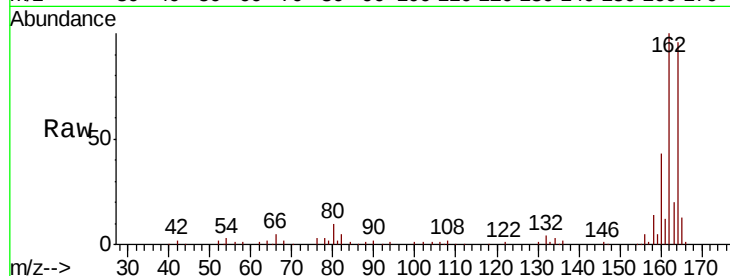




#51
 2,6-Dinitrotoluene
 Concen: 7.555 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.43 min
 Lab File: BG042709.D
 Acq: 4 Sep 2019 16:03

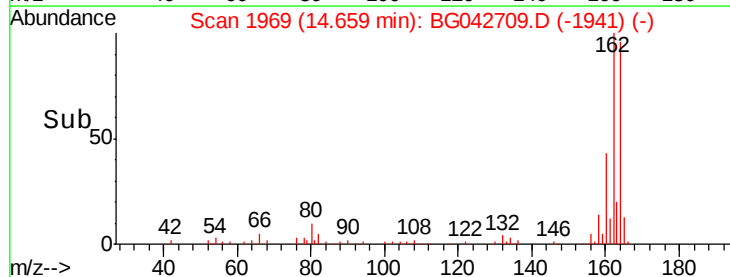
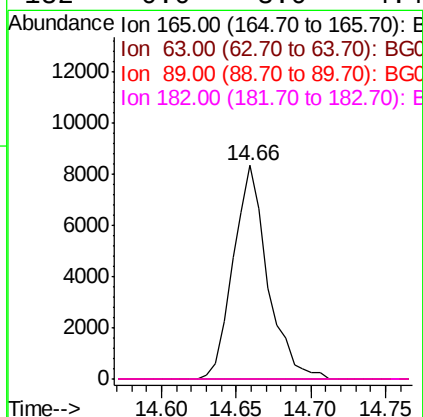
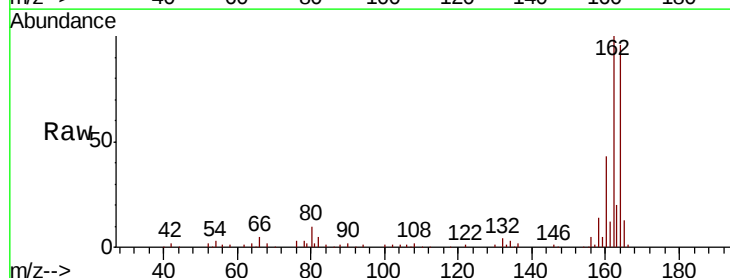
Instrument :
 BNA_G
 ClientSampleId :

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: 5.276 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042709.D
 Acq: 4 Sep 2019 16:03

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: BG042709.D

Acq: 4 Sep 2019 16:03

Instrument :

BNA_G

ClientSampleId :

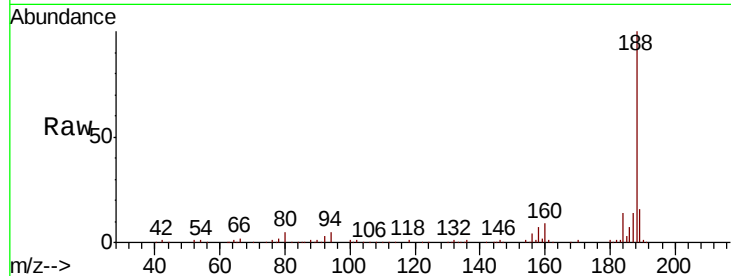
Tot Ion:188 Resp: 253338

Ion Ratio Lower Upper

188 100

94 5.3 4.5 6.7

80 5.0 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

200000

150000

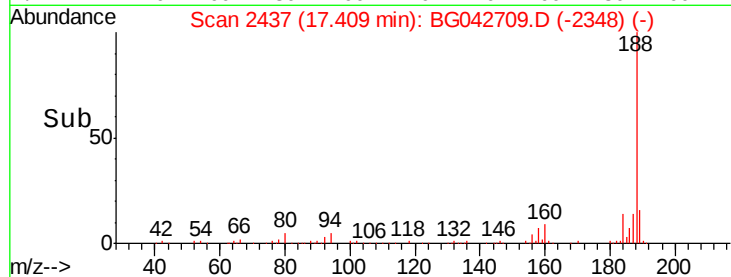
100000

50000

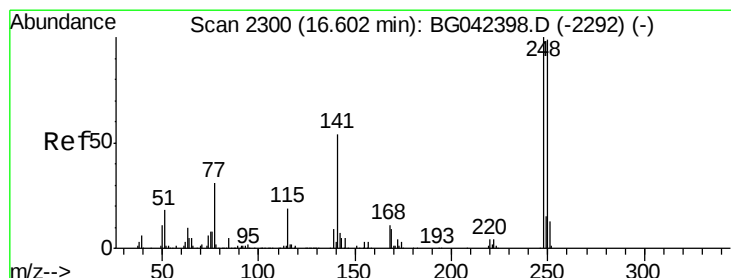
0

17.41

17.30 17.40 17.50



Time--> 17.30 17.40 17.50



#67

4-Bromophenyl-phenylether

Concen: 4.425 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042709.D

Acq: 4 Sep 2019 16:03

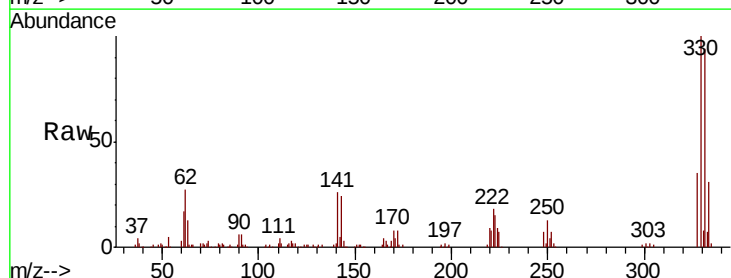
Tgt Ion:248 Resp: 14218

Ion Ratio Lower Upper

248 100

250 178.1 78.9 118.3#

141 343.7 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

30000

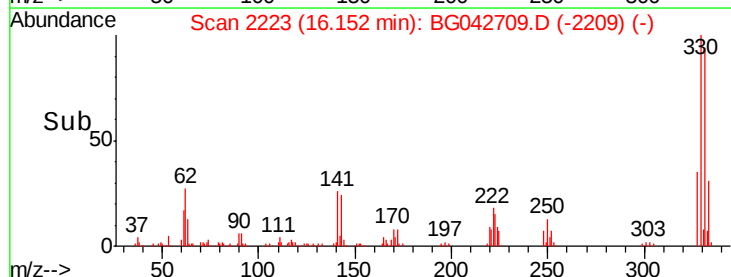
20000

10000

0

16.15

16.10 16.20



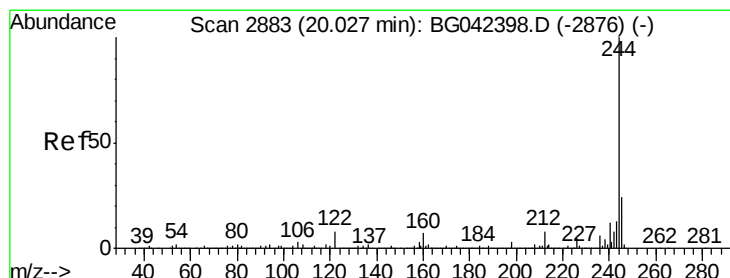
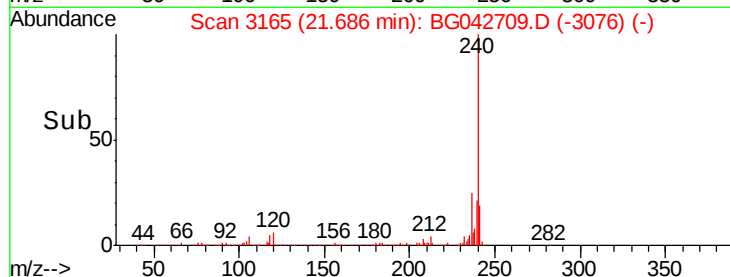
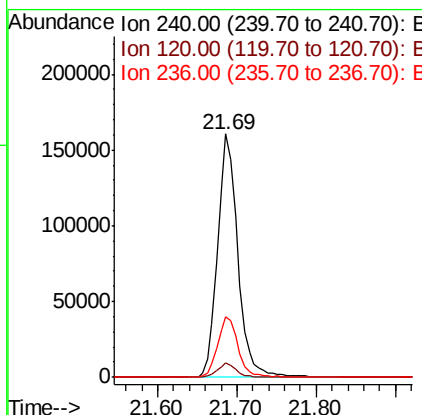
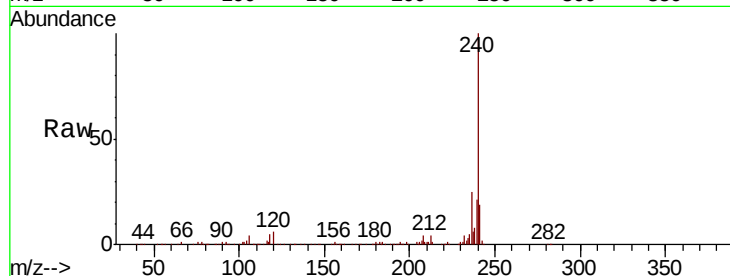
Time--> 16.10 16.20



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3165
 Delta R.T. -0.01 min
 Lab File: BG042709.D
 Acq: 4 Sep 2019 16:03

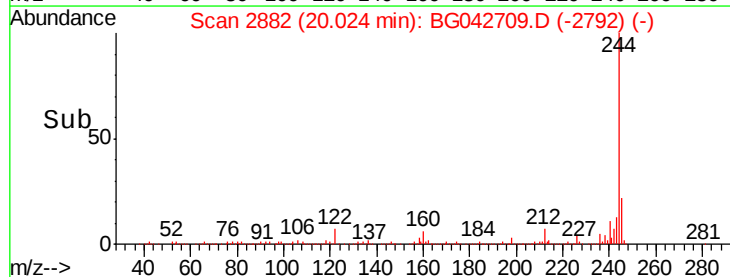
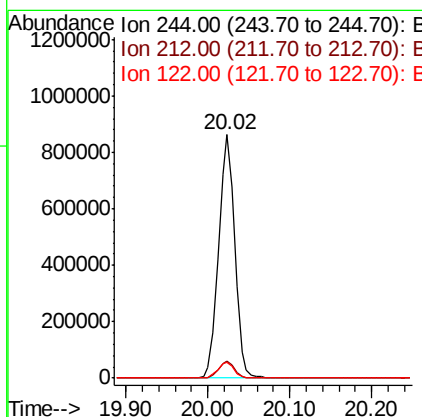
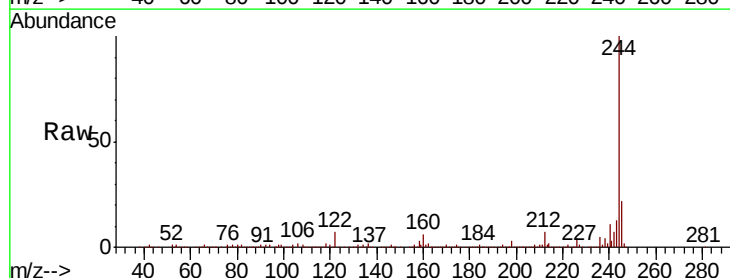
Instrument :
 BNA_G
 ClientSampleId :

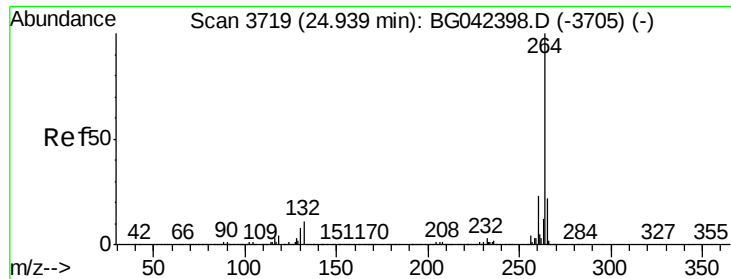
Tot Ion:240 Resp: 284250
 Ion Ratio Lower Upper
 240 100
 120 5.9 5.7 8.5
 236 24.9 21.0 31.4



#79
 Terphenyl-d14
 Concen: 90.694 ng
 RT: 20.02 min Scan# 2882
 Delta R.T. -0.00 min
 Lab File: BG042709.D
 Acq: 4 Sep 2019 16:03

Tgt Ion:244 Resp: 1192447
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 6.7 6.7 10.1#





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.93 min Scan# 3717
 Delta R.T. -0.01 min
 Lab File: BG042709.D
 Acq: 4 Sep 2019 16:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 264 Resp: 330742
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.5 27.7
 265 21.1 17.6 26.4

