

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030320\
 Data File : BG044675.D
 Acq On : 3 Mar 2020 23:30
 Operator : CG/JU
 Sample : L1762-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 04 03:47:49 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG022420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 24 16:11:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	61477	20.00	ng	-0.07
21) Naphthalene-d8	10.61	136	273503	20.00	ng	-0.07
39) Acenaphthene-d10	14.45	164	193401	20.00	ng	-0.06
64) Phenanthrene-d10	17.20	188	420190	20.00	ng	-0.06
76) Chrysene-d12	21.43	240	386794	20.00	ng	-0.07
87) Perylene-d12	24.45	264	443386	20.00	ng	-0.12

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	409222	106.80	ng	-0.07
7) Phenol-d6	6.99	99	559650	106.71	ng	-0.06
23) Nitrobenzene-d5	8.96	82	332502	62.63	ng	-0.07
42) 2,4,6-Tribromophenol	15.95	330	251250	91.62	ng	-0.06
45) 2-Fluorobiphenyl	13.07	172	843266	62.44	ng	-0.06
79) Terphenyl-d14	19.82	244	1344273	65.79	ng	-0.06

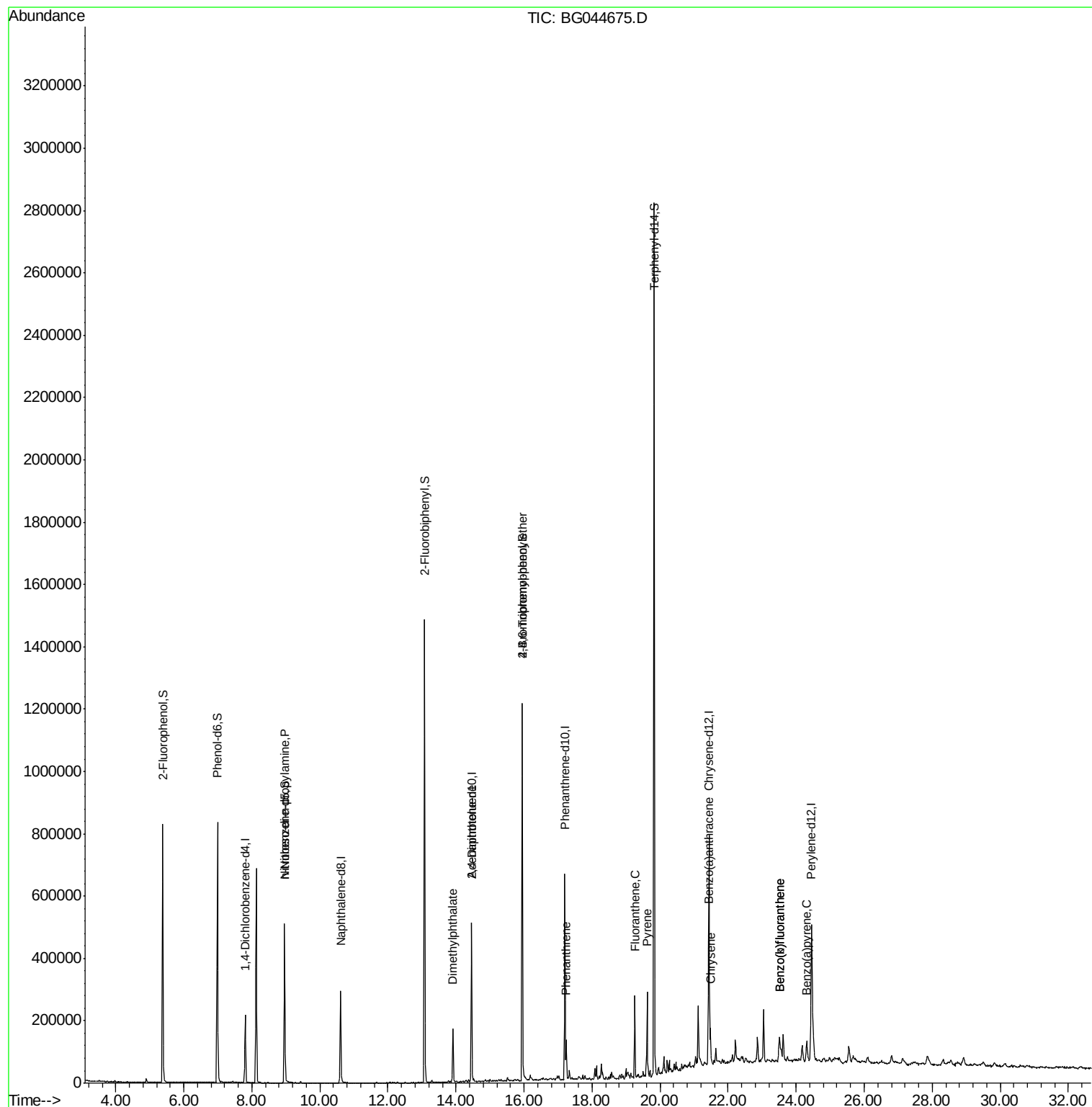
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	8.96	70	42832	12.705	ng	# 77
50) Dimethylphthalate	13.91	163	132880	8.512	ng	98
57) 2,4-Dinitrotoluene	14.45	165	24987	5.162	ng	# 30
67) 4-Bromophenyl-phenylether	15.95	248	17011	3.261	ng	# 1
71) Phenanthrene	17.24	178	76465	3.287	ng	98
75) Fluoranthene	19.26	202	162963	5.918	ng	96
78) Pyrene	19.62	202	169341	6.031	ng	97
81) Benzo(a)anthracene	21.42	228	81952	3.015	ng	98
83) Chrysene	21.48	228	79072	3.008	ng	98
88) Benzo(b)fluoranthene	23.51	252	94478	3.241	ng	98
89) Benzo(k)fluoranthene	23.51	252	94478	3.340	ng	99
90) Benzo(a)pyrene	24.31	252	72353	2.642	ng	97

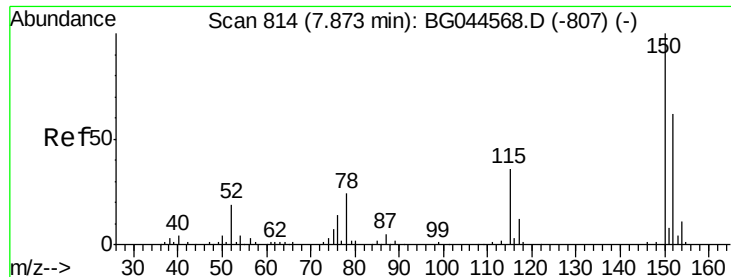
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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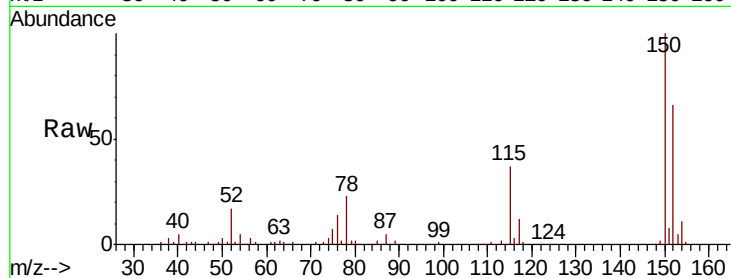


#1

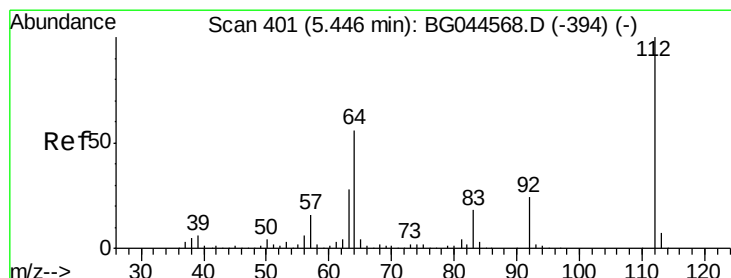
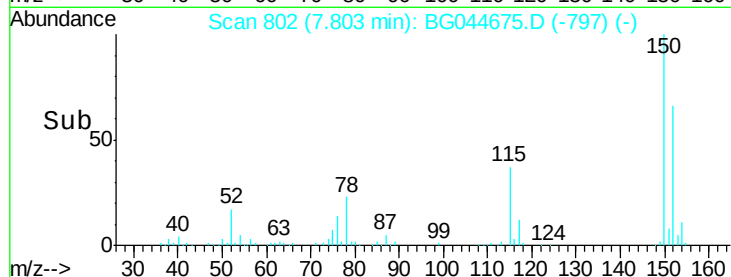
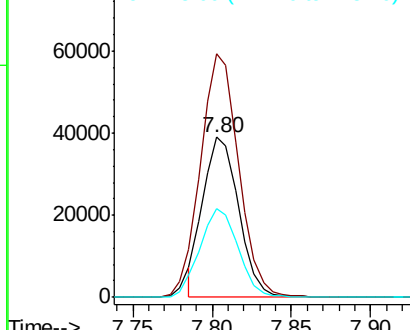
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.80 min Scan# 802
Delta R.T. -0.07 min
Lab File: BG044675.D
Acq: 3 Mar 2020 23:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 61477
Ion Ratio Lower Upper
152 100
150 152.2 128.9 193.3
115 55.6 47.0 70.4



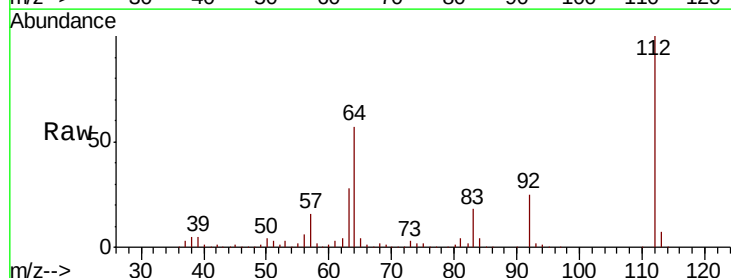
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



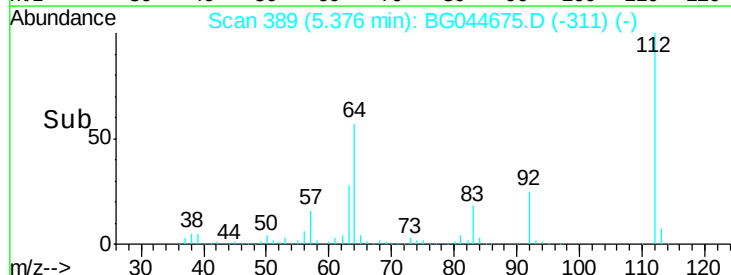
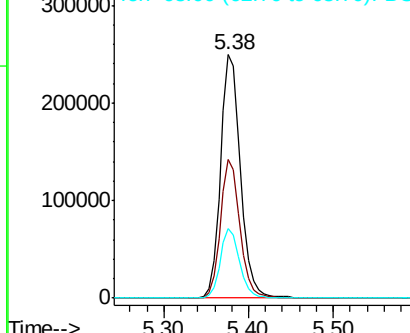
#5

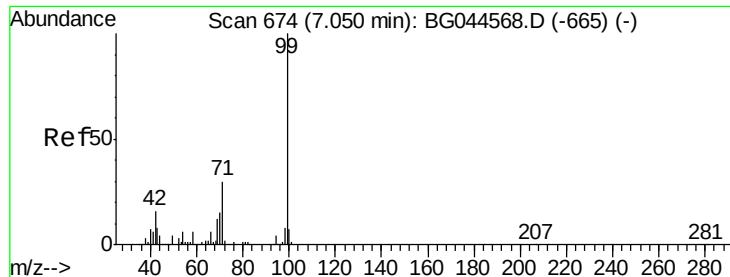
2-Fluorophenol
Concen: 106.802 ng
RT: 5.38 min Scan# 389
Delta R.T. -0.07 min
Lab File: BG044675.D
Acq: 3 Mar 2020 23:30

Tgt Ion:112 Resp: 409222
Ion Ratio Lower Upper
112 100
64 56.8 44.8 67.2
63 28.4 22.3 33.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 106.707 ng

RT: 6.99 min Scan# 663

Delta R.T. -0.06 min

Lab File: BG044675.D

Acq: 3 Mar 2020 23:30

Instrument :

BNA_G

ClientSampleId :

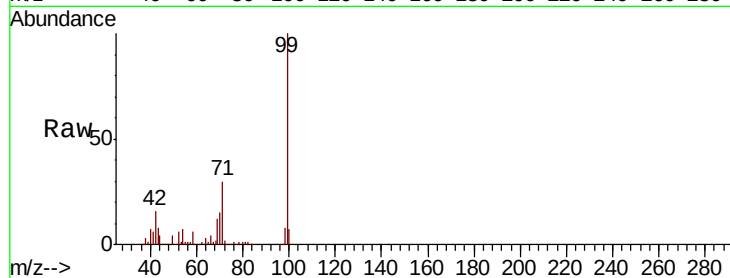
Tot Ion: 99 Resp: 559650

Ion Ratio Lower Upper

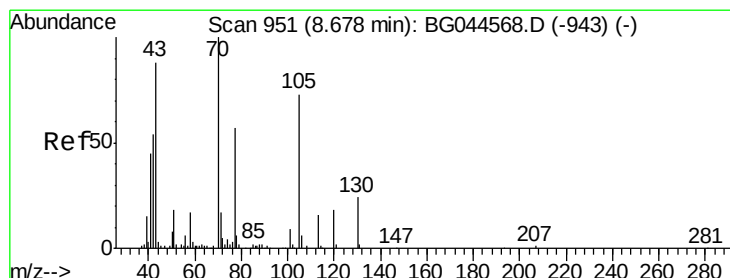
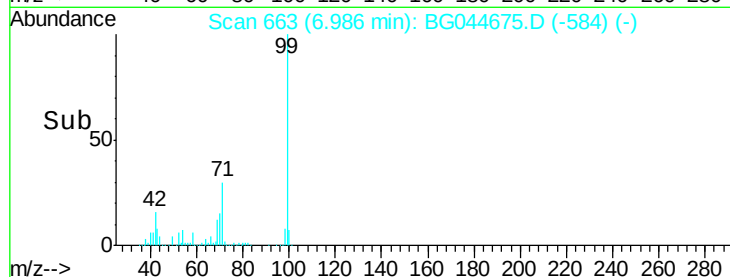
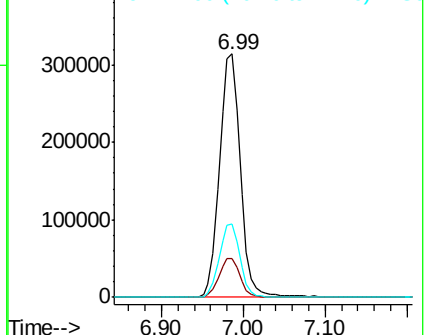
99 100

42 16.1 12.8 19.2

71 30.0 24.4 36.6



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: 12.705 ng

RT: 8.96 min Scan# 999

Delta R.T. 0.28 min

Lab File: BG044675.D

Acq: 3 Mar 2020 23:30

Tgt Ion: 70 Resp: 42832

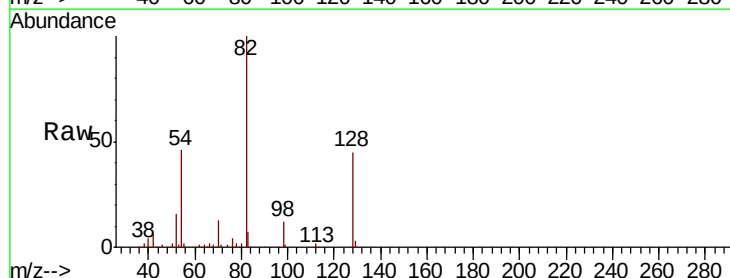
Ion Ratio Lower Upper

70 100

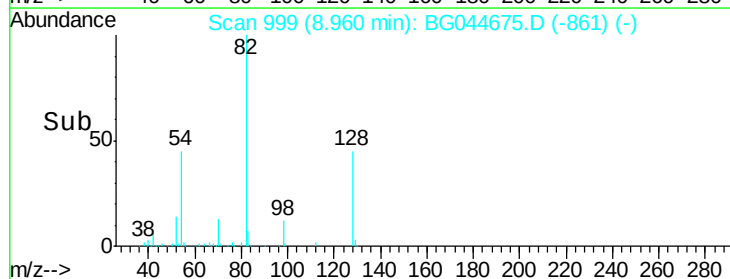
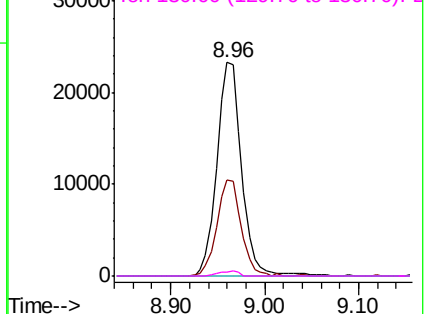
42 45.1 43.4 65.0

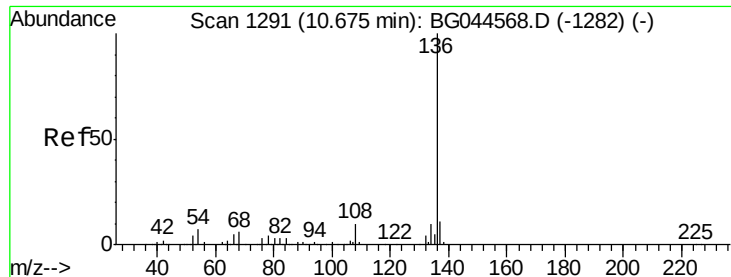
101 0.0 7.5 11.3#

130 1.8 18.9 28.3#



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: 10.61 min Scan# 1279

Delta R.T. -0.07 min

Lab File: BG044675.D

Acq: 3 Mar 2020 23:30

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 273503

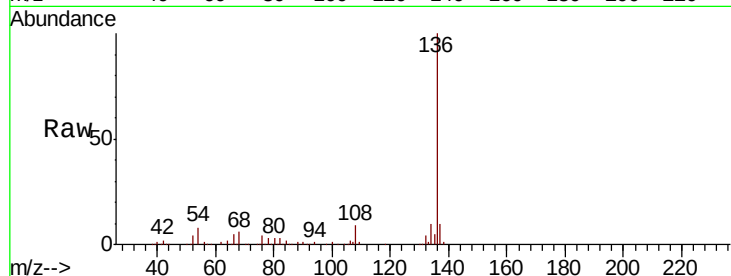
Ion Ratio Lower Upper

136 100

137 10.5 8.8 13.2

54 7.7 5.7 8.5

68 6.4 4.5 6.7

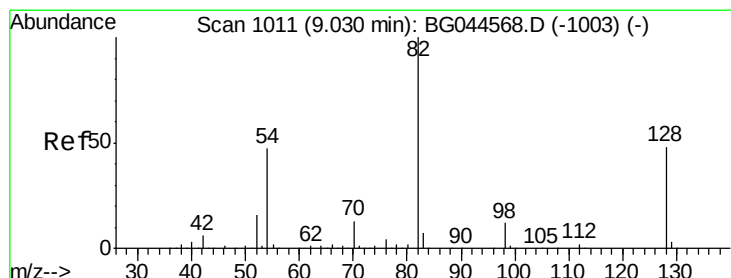
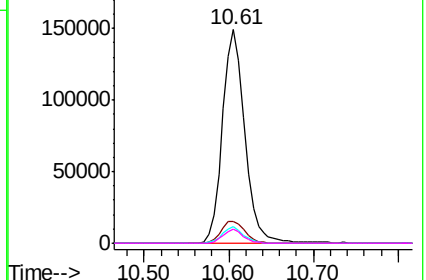
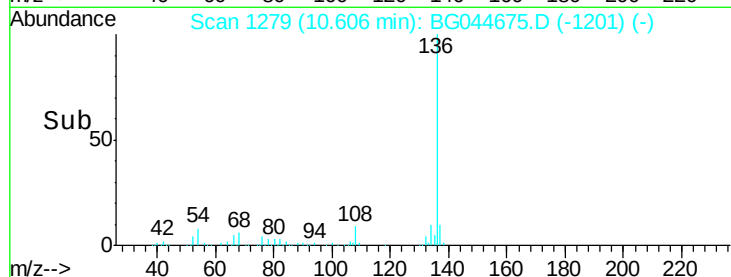


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 62.632 ng

RT: 8.96 min Scan# 999

Delta R.T. -0.07 min

Lab File: BG044675.D

Acq: 3 Mar 2020 23:30

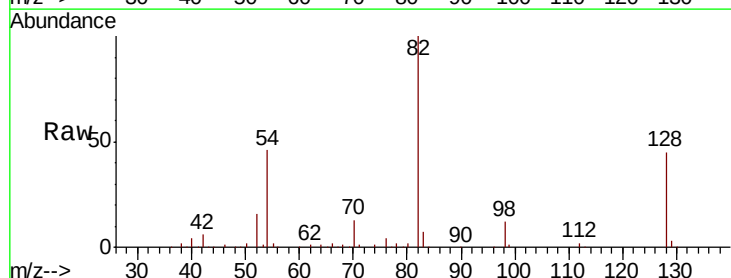
Tgt Ion: 82 Resp: 332502

Ion Ratio Lower Upper

82 100

128 45.5 38.1 57.1

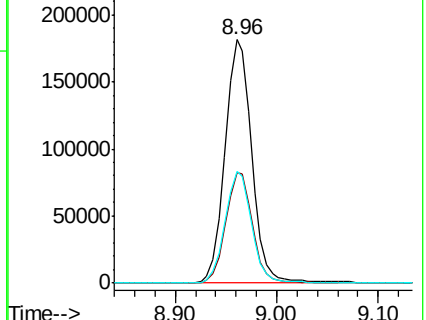
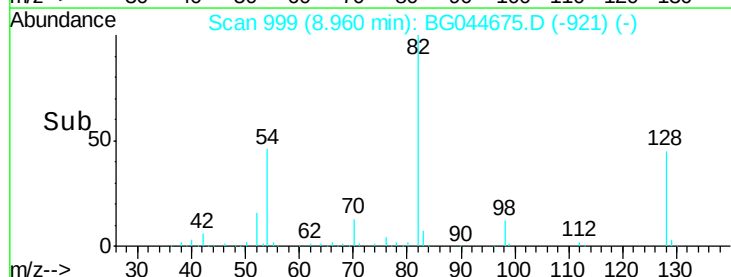
54 46.1 37.5 56.3

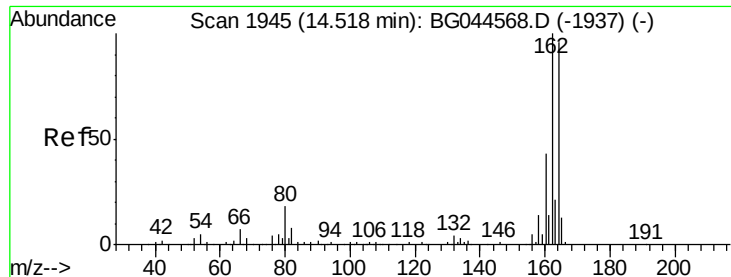


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.45 min Scan# 1934

Delta R.T. -0.06 min

Lab File: BG044675.D

Acq: 3 Mar 2020 23:30

Instrument :

BNA_G

ClientSampleId :

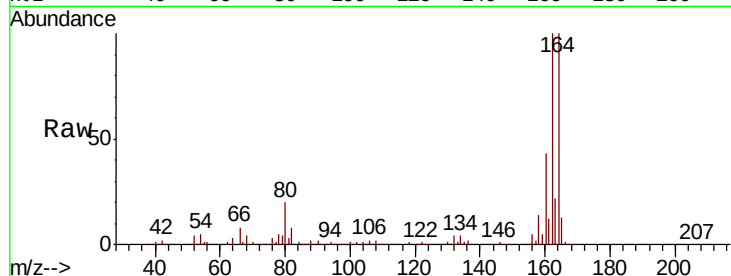
Tot Ion:164 Resp: 193401

Ion Ratio Lower Upper

164 100

162 100.4 83.6 125.4

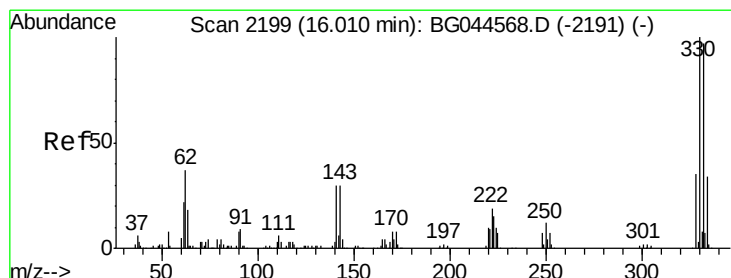
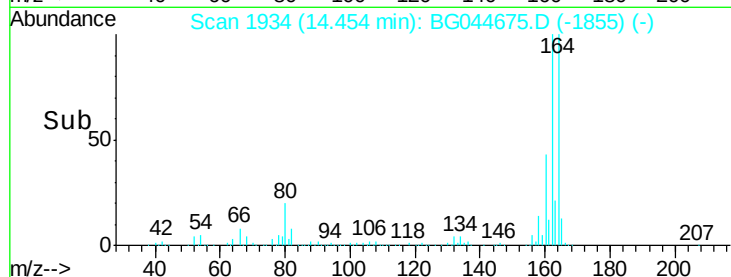
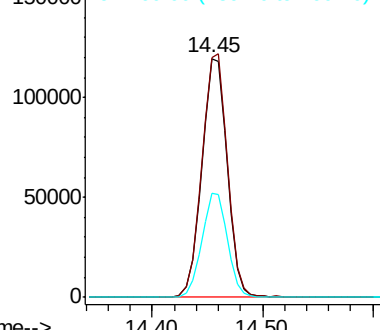
160 43.4 36.2 54.4



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: 91.621 ng

RT: 15.95 min Scan# 2188

Delta R.T. -0.06 min

Lab File: BG044675.D

Acq: 3 Mar 2020 23:30

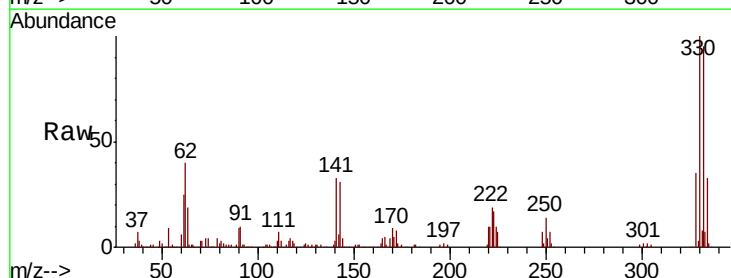
Tgt Ion:330 Resp: 251250

Ion Ratio Lower Upper

330 100

332 95.3 77.4 116.0

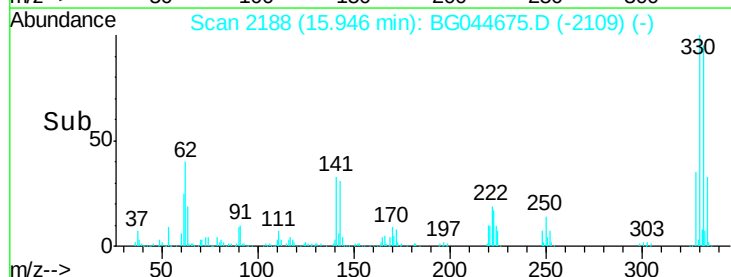
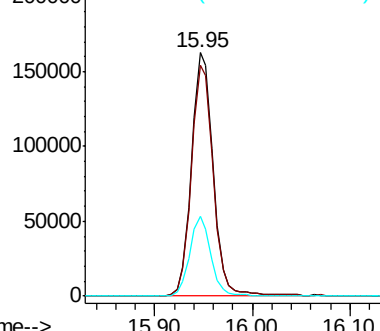
141 32.5 26.1 39.1

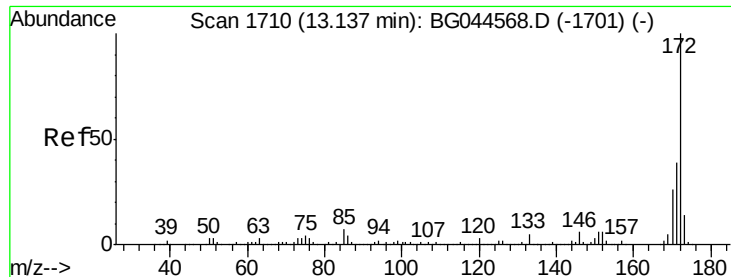


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

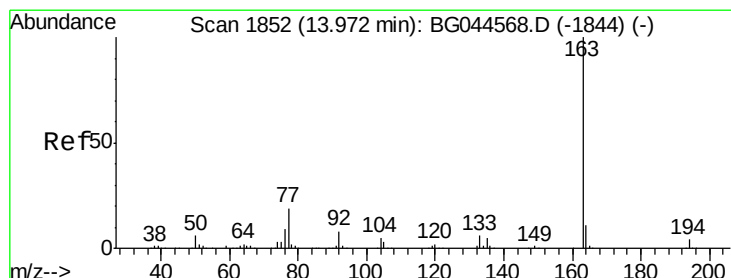
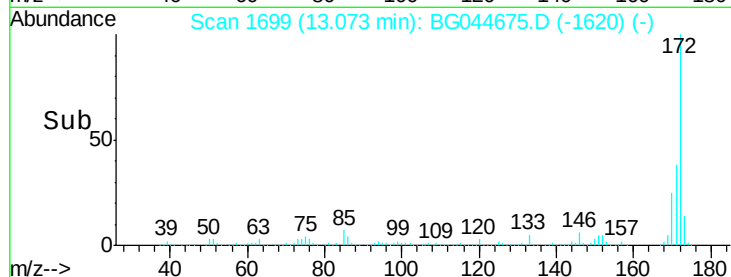
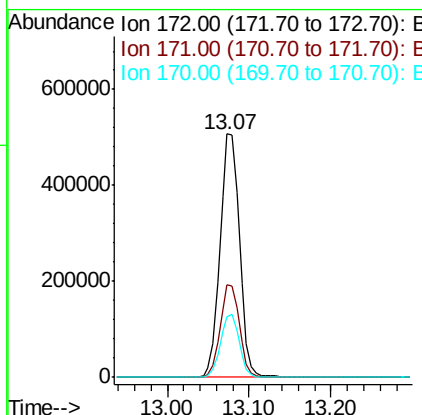
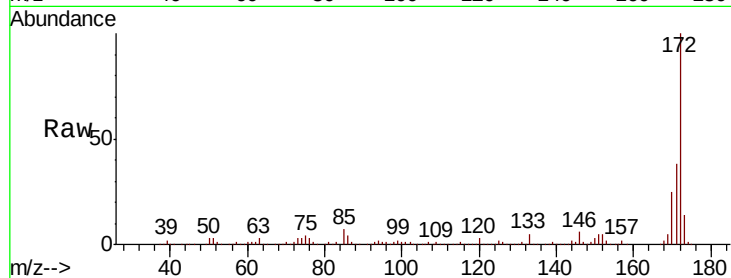




#45
2-Fluorobiphenyl
Concen: 62.437 ng
RT: 13.07 min Scan# 1699
Delta R.T. -0.06 min
Lab File: BG044675.D
Acq: 3 Mar 2020 23:30

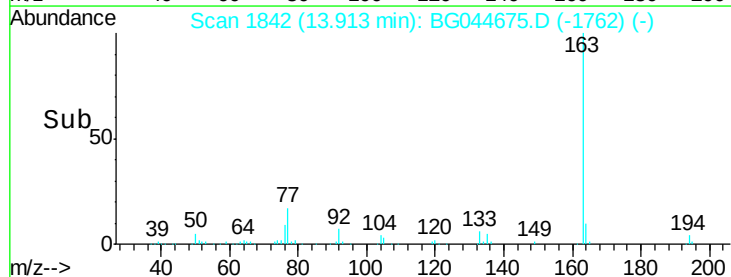
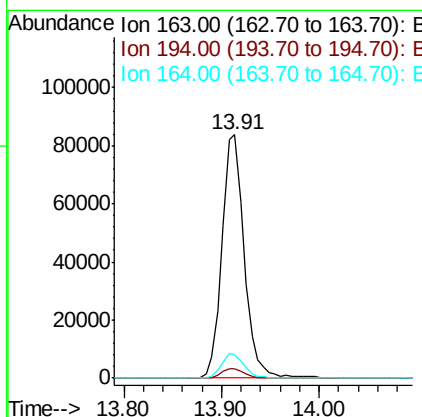
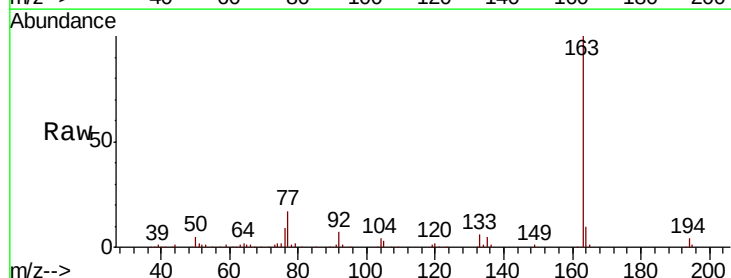
Instrument :
BNA_G
ClientSampleId :

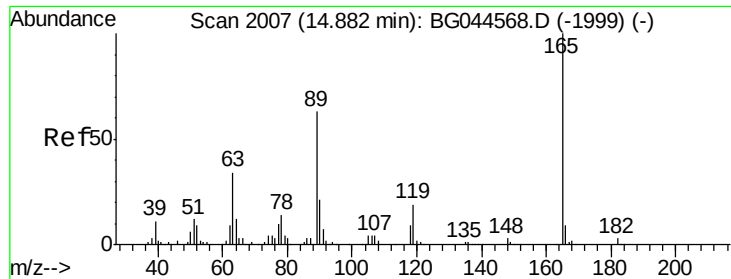
Tot Ion:172 Resp: 843266
Ion Ratio Lower Upper
172 100
171 37.8 31.3 46.9
170 25.1 21.0 31.4



#50
Dimethylphthalate
Concen: 8.512 ng
RT: 13.91 min Scan# 1842
Delta R.T. -0.06 min
Lab File: BG044675.D
Acq: 3 Mar 2020 23:30

Tgt Ion:163 Resp: 132880
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 9.7 8.7 13.1

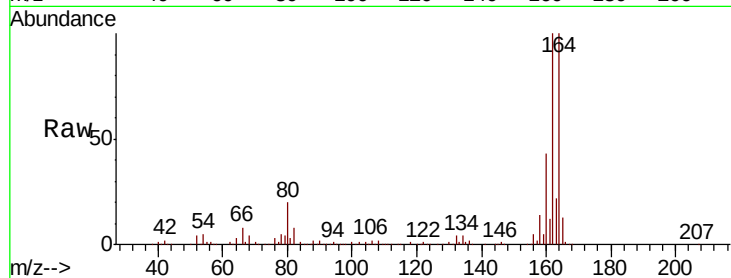




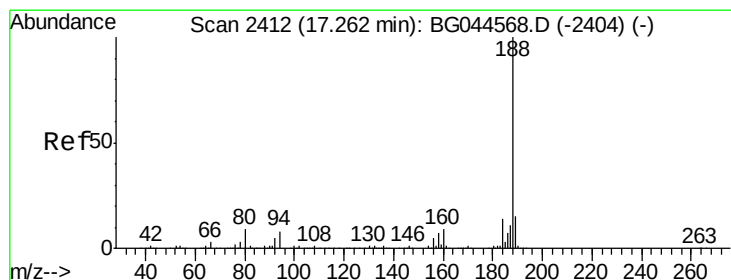
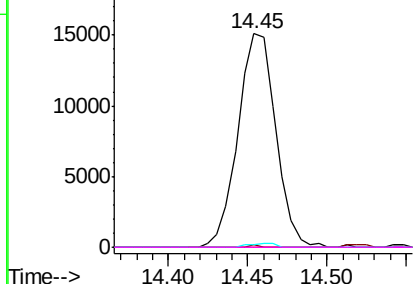
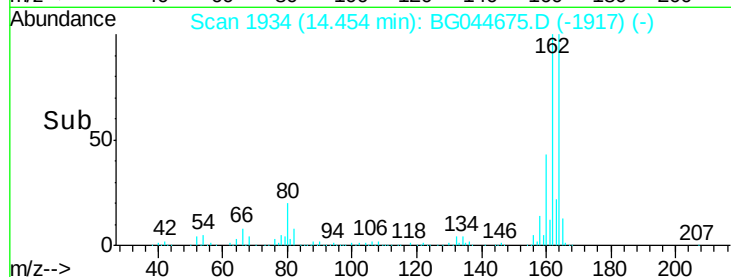
#57
 2,4-Dinitrotoluene
 Concen: 5.162 ng
 RT: 14.45 min Scan# 1934
 Delta R.T. -0.43 min
 Lab File: BG044675.D
 Acq: 3 Mar 2020 23:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 24987
 Ion Ratio Lower Upper
 165 100
 63 1.1 27.5 41.3#
 89 1.2 50.0 75.0#
 182 0.0 2.3 3.5#

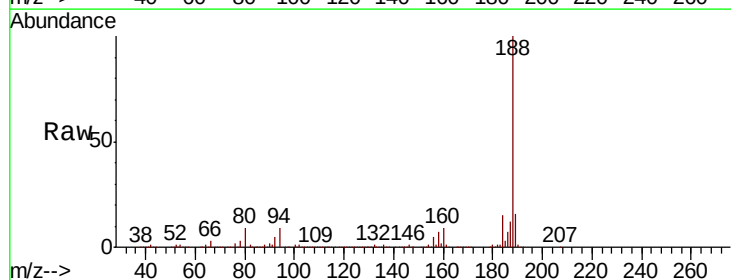


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

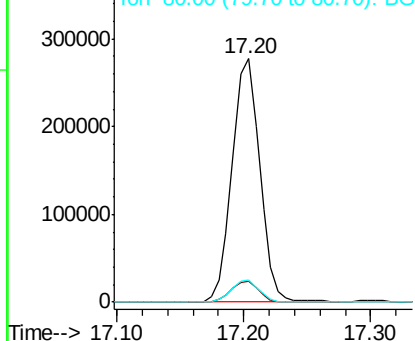
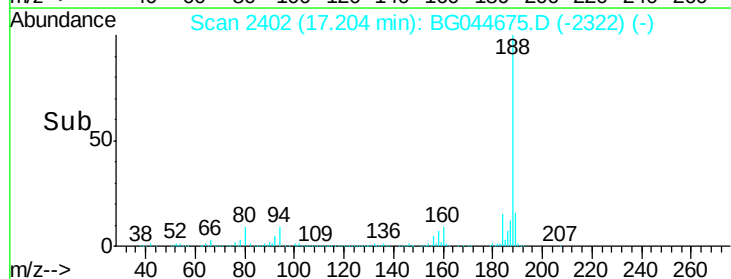


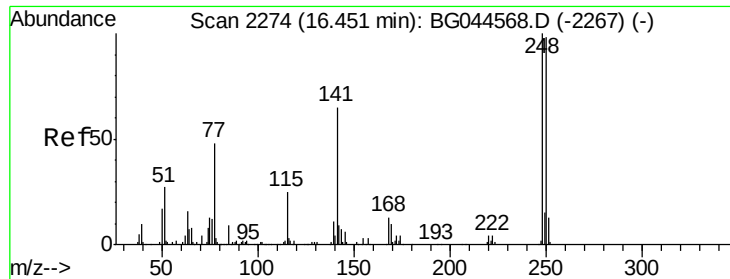
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.20 min Scan# 2402
 Delta R.T. -0.06 min
 Lab File: BG044675.D
 Acq: 3 Mar 2020 23:30

Tgt Ion:188 Resp: 420190
 Ion Ratio Lower Upper
 188 100
 94 8.7 6.7 10.1
 80 9.1 7.6 11.4



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

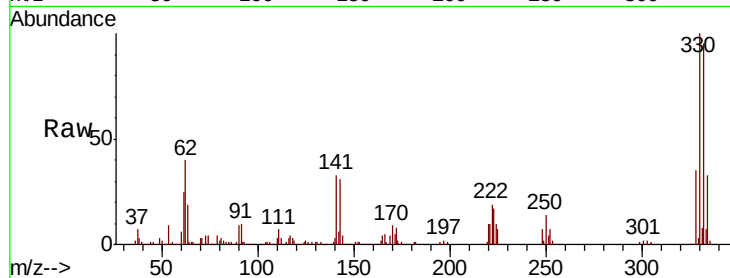




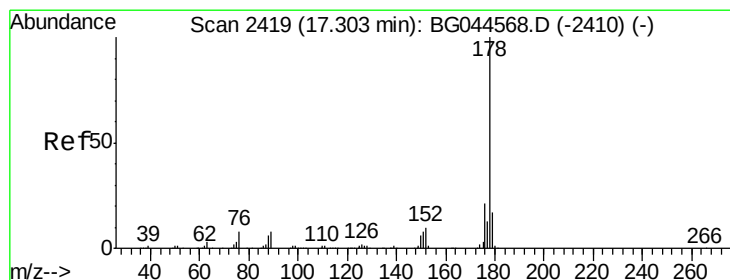
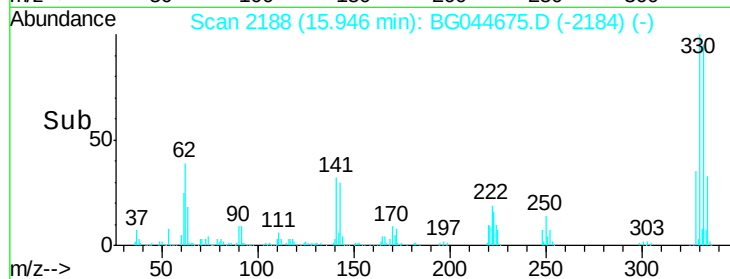
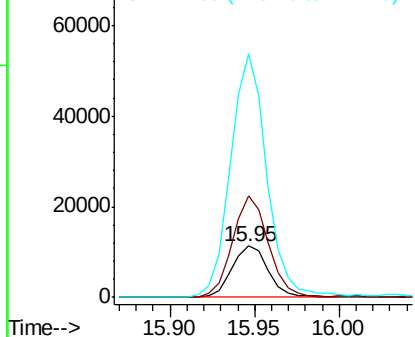
#67
 4-Bromophenyl-phenylether
 Concen: 3.261 ng
 RT: 15.95 min Scan# 2188
 Delta R.T. -0.50 min
 Lab File: BG044675.D
 Acq: 3 Mar 2020 23:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 17011
 Ion Ratio Lower Upper
 248 100
 250 198.0 78.7 118.1#
 141 474.8 52.3 78.5#

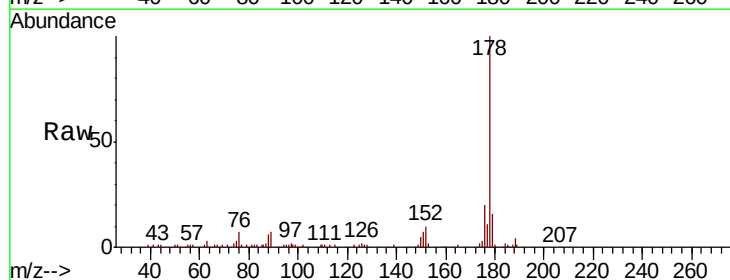


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

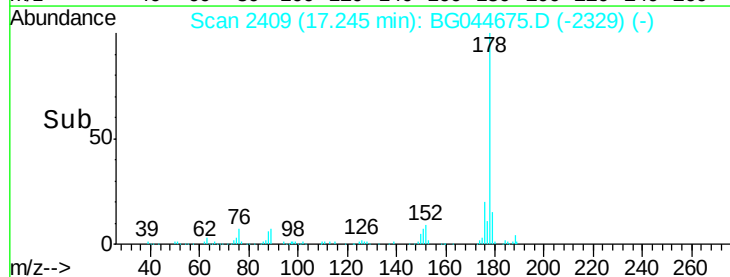
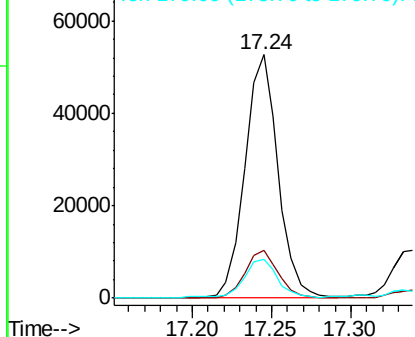


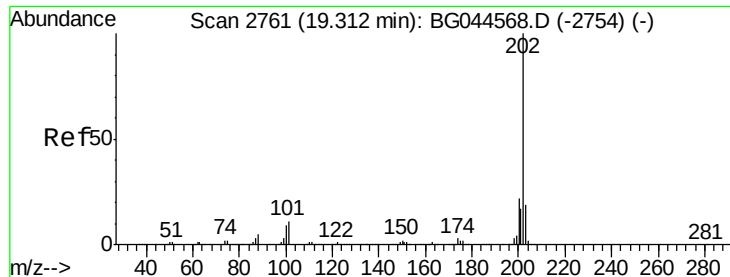
#71
 Phenanthrene
 Concen: 3.287 ng
 RT: 17.24 min Scan# 2409
 Delta R.T. -0.06 min
 Lab File: BG044675.D
 Acq: 3 Mar 2020 23:30

Tgt Ion:178 Resp: 76465
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.6 25.0
 179 15.7 13.3 19.9



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: 5.918 ng

RT: 19.26 min Scan# 2752

Delta R.T. -0.05 min

Lab File: BG044675.D

Acq: 3 Mar 2020 23:30

Instrument :

BNA_G

ClientSampleId :

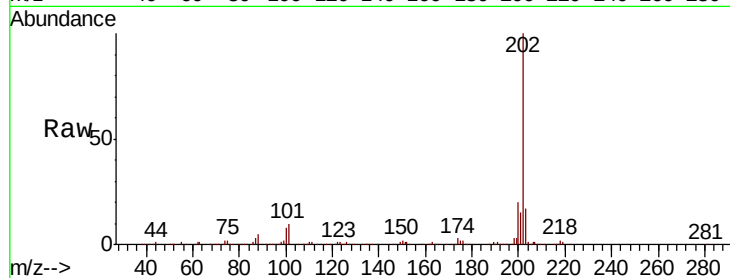
Tot Ion:202 Resp: 162963

Ion Ratio Lower Upper

202 100

101 9.7 0.0 31.0

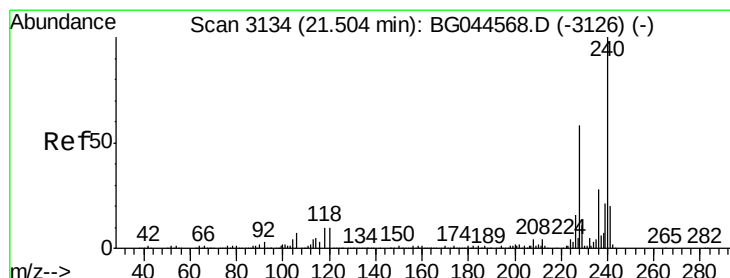
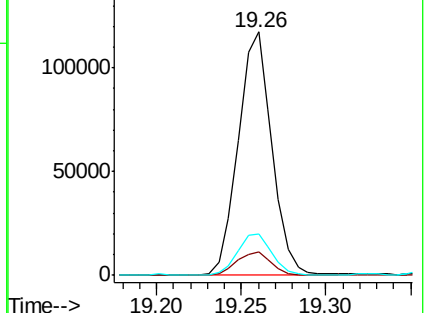
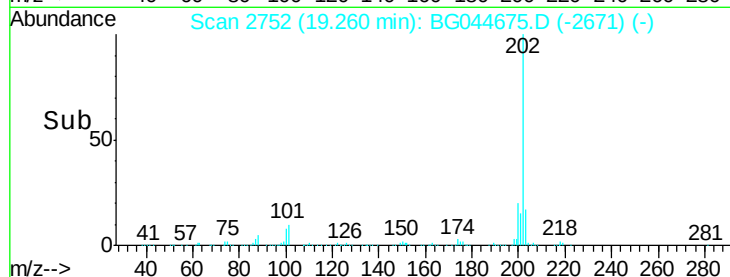
203 16.9 0.0 39.2



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: 21.43 min Scan# 3122

Delta R.T. -0.07 min

Lab File: BG044675.D

Acq: 3 Mar 2020 23:30

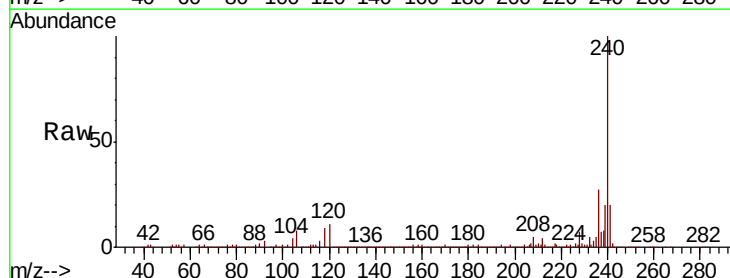
Tgt Ion:240 Resp: 386794

Ion Ratio Lower Upper

240 100

120 10.8 8.3 12.5

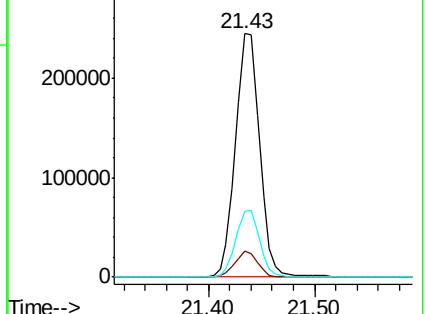
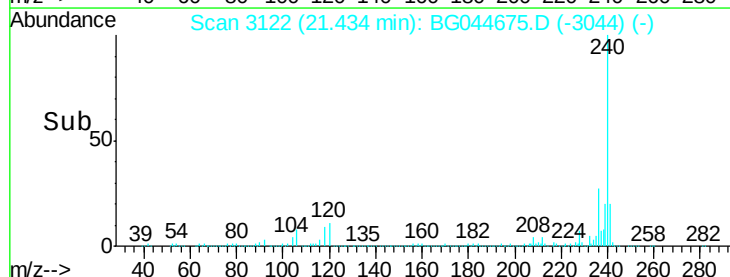
236 26.9 22.3 33.5

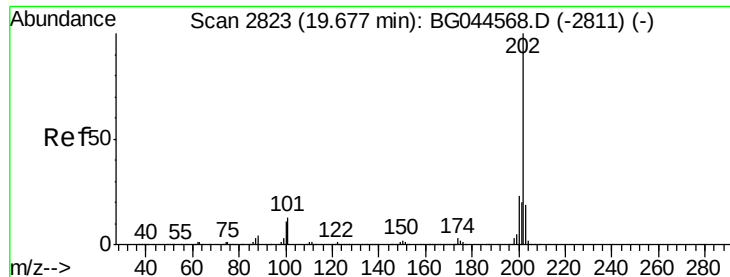


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

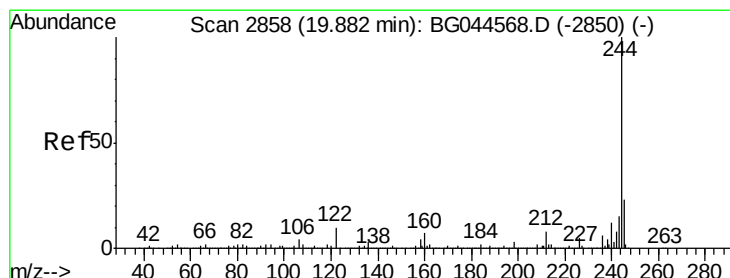
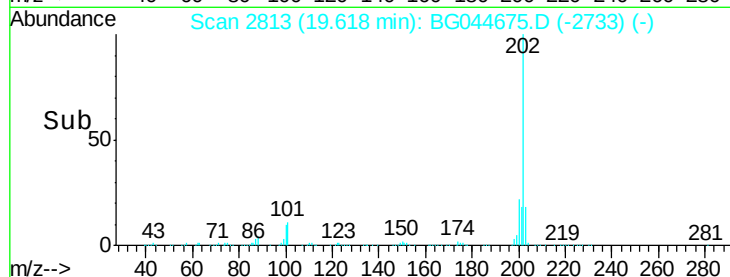
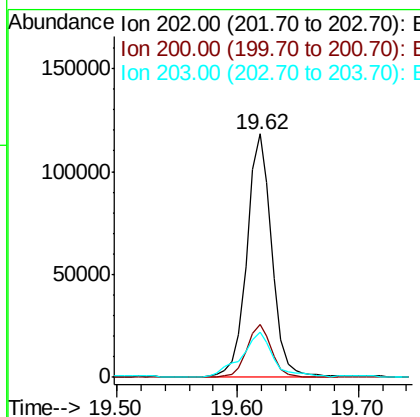
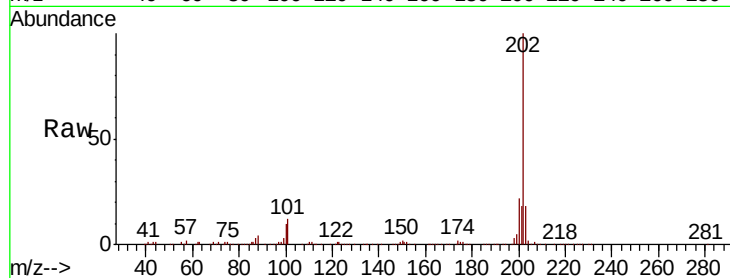




#78
Pvrene
Concen: 6.031 ng
RT: 19.62 min Scan# 2813
Delta R.T. -0.06 min
Lab File: BG044675.D
Acq: 3 Mar 2020 23:30

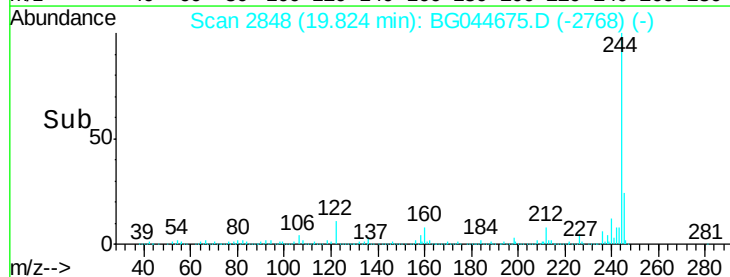
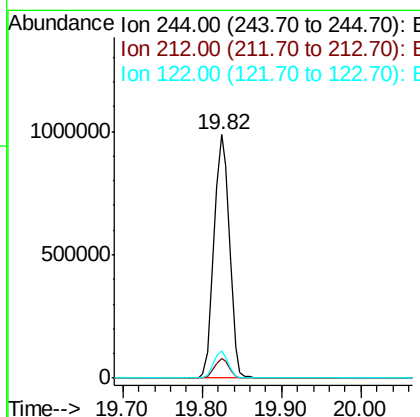
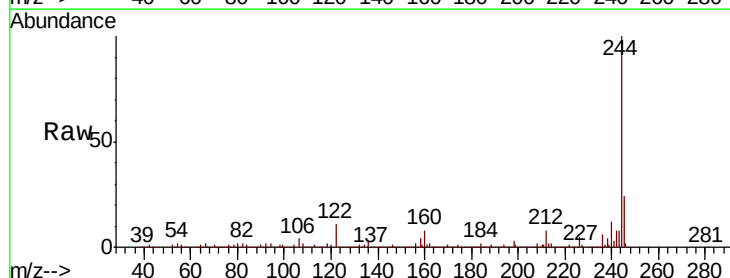
Instrument :
BNA_G
ClientSampleId :

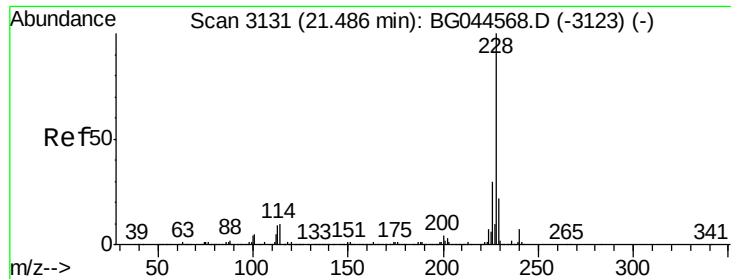
Tot Ion:202 Resp: 169341
Ion Ratio Lower Upper
202 100
200 21.5 18.6 28.0
203 18.4 15.3 22.9



#79
Terphenyl-d14
Concen: 65.792 ng
RT: 19.82 min Scan# 2848
Delta R.T. -0.06 min
Lab File: BG044675.D
Acq: 3 Mar 2020 23:30

Tgt Ion:244 Resp: 1344273
Ion Ratio Lower Upper
244 100
212 8.3 6.5 9.7
122 11.2 8.2 12.4

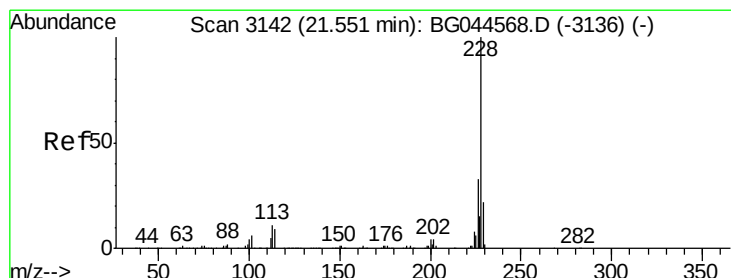
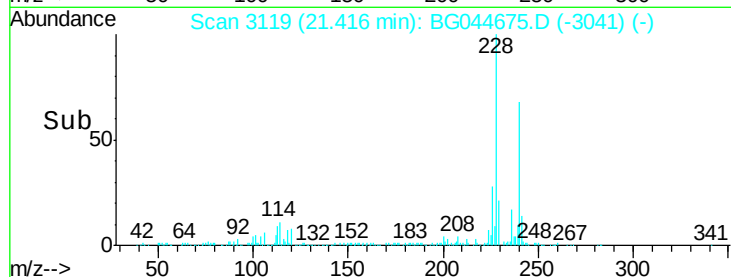
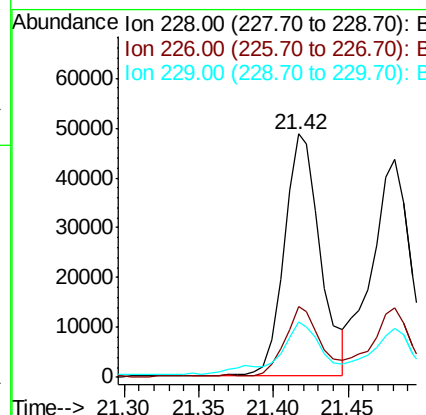
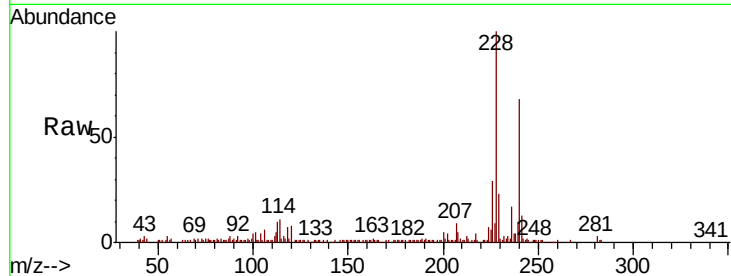




#81
Benzo(a)anthracene
Concen: 3.015 ng
RT: 21.42 min Scan# 3119
Delta R.T. -0.07 min
Lab File: BG044675.D
Acq: 3 Mar 2020 23:30

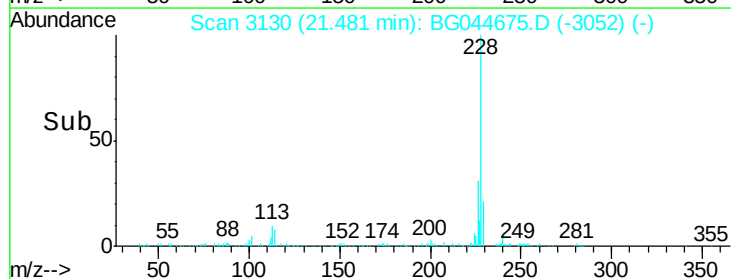
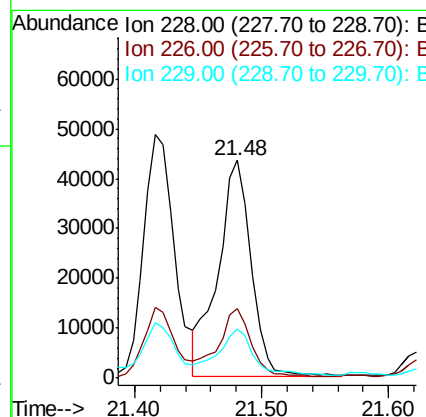
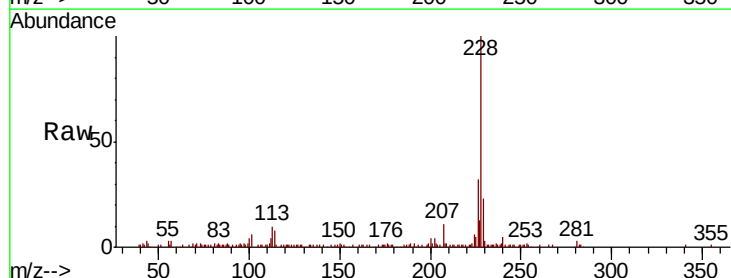
Instrument :
BNA_G
ClientSampleId :

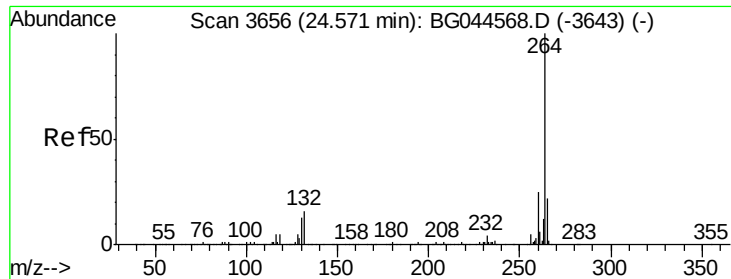
Tot Ion:228 Resp: 81952
Ion Ratio Lower Upper
228 100
226 29.0 23.8 35.8
229 22.9 17.2 25.8



#83
Chrysene
Concen: 3.008 ng
RT: 21.48 min Scan# 3130
Delta R.T. -0.07 min
Lab File: BG044675.D
Acq: 3 Mar 2020 23:30

Tgt Ion:228 Resp: 79072
Ion Ratio Lower Upper
228 100
226 31.9 26.1 39.1
229 22.6 17.2 25.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.45 min Scan# 3636

Delta R.T. -0.12 min

Lab File: BG044675.D

Acq: 3 Mar 2020 23:30

Instrument :

BNA_G

ClientSampleId :

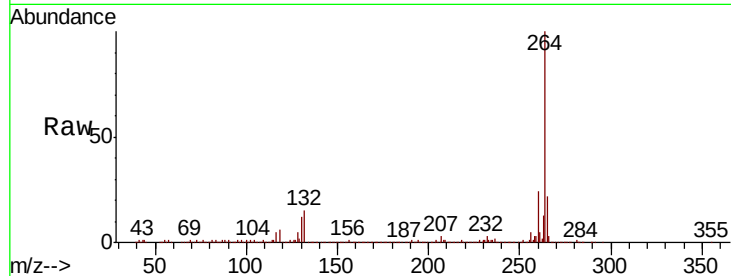
Tot Ion:264 Resp: 443386

Ion Ratio Lower Upper

264 100

260 24.2 19.7 29.5

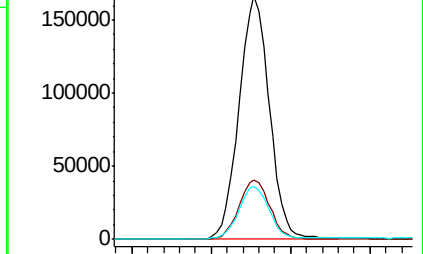
265 21.7 17.8 26.8



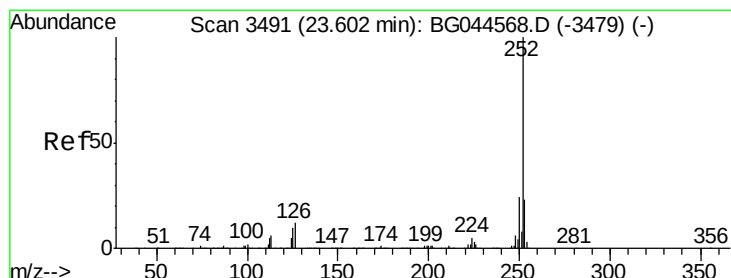
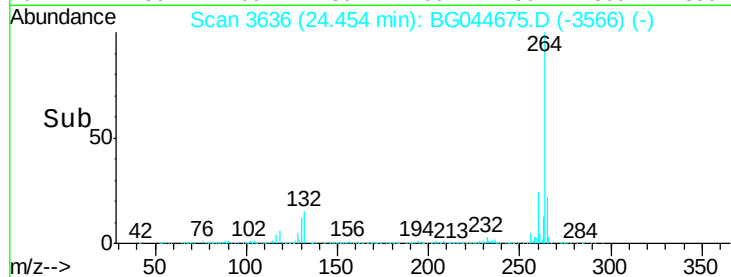
Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->



#88

Benzo(b)fluoranthene

Concen: 3.241 ng

RT: 23.51 min Scan# 3475

Delta R.T. -0.09 min

Lab File: BG044675.D

Acq: 3 Mar 2020 23:30

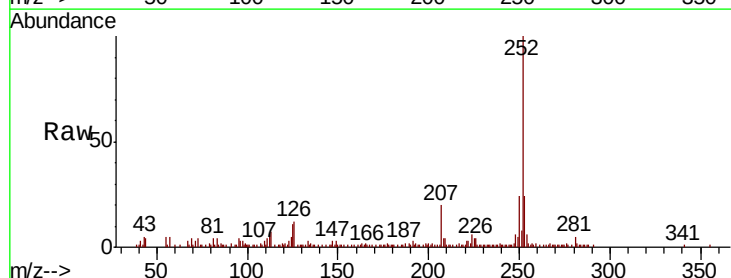
Tgt Ion:252 Resp: 94478

Ion Ratio Lower Upper

252 100

253 23.9 18.4 27.6

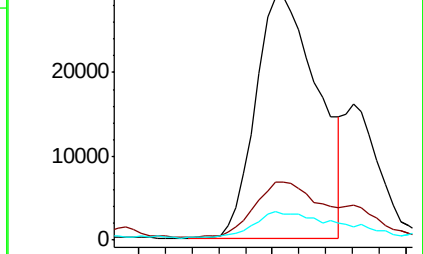
125 10.5 7.9 11.9



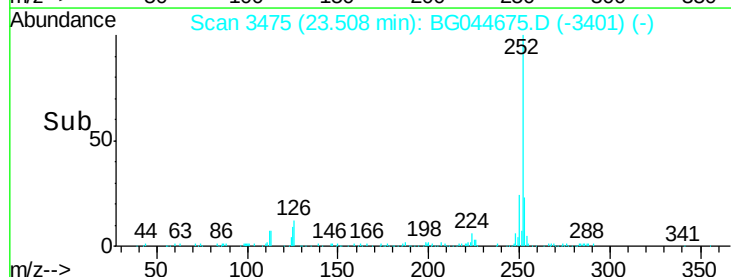
Abundance Ion 252.00 (251.70 to 252.70): E

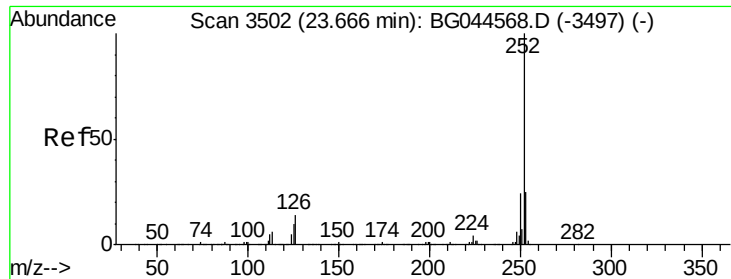
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->

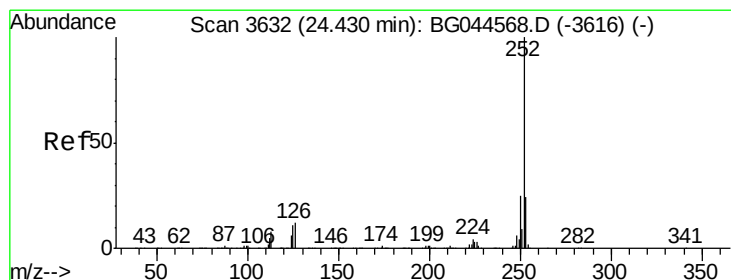
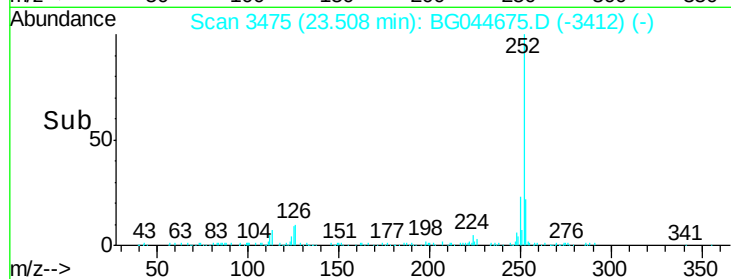
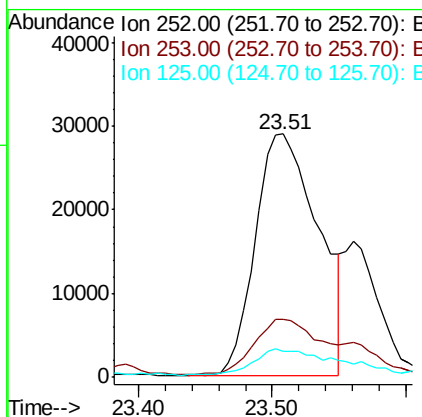
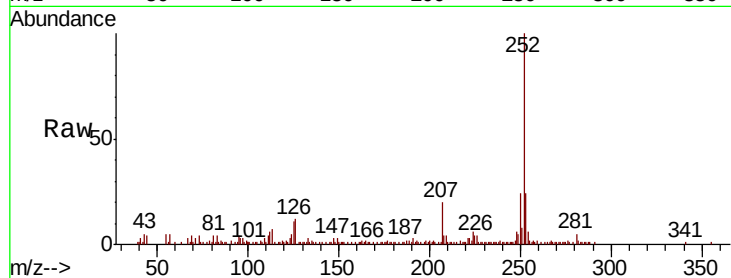




#89
Benzo(k)fluoranthene
Concen: 3.340 ng
RT: 23.51 min Scan# 3475
Delta R.T. -0.16 min
Lab File: BG044675.D
Acq: 3 Mar 2020 23:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:252 Resp: 94478
Ion Ratio Lower Upper
252 100
253 23.9 19.0 28.6
125 10.5 7.8 11.8



#90
Benzo(a)pyrene
Concen: 2.642 ng
RT: 24.31 min Scan# 3612
Delta R.T. -0.12 min
Lab File: BG044675.D
Acq: 3 Mar 2020 23:30

Tgt Ion:252 Resp: 72353
Ion Ratio Lower Upper
252 100
253 22.2 19.0 28.4
125 11.7 8.5 12.7

