

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090319\
 Data File : BG042694.D
 Acq On : 3 Sep 2019 18:29
 Operator : HP/JU
 Sample : K4603-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 04 04:07:20 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	33298	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	133385	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	104779	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	242533	20.00	ng	0.00
76) Chrysene-d12	21.69	240	261860	20.00	ng	0.00
87) Perylene-d12	24.92	264	314447	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	151617	92.22	ng	0.00
7) Phenol-d6	7.16	99	209517	94.34	ng	0.00
23) Nitrobenzene-d5	9.17	82	119213	61.76	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	144110	96.77	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	363046	58.60	ng	0.00
79) Terphenyl-d14	20.02	244	647729	53.48	ng	0.00

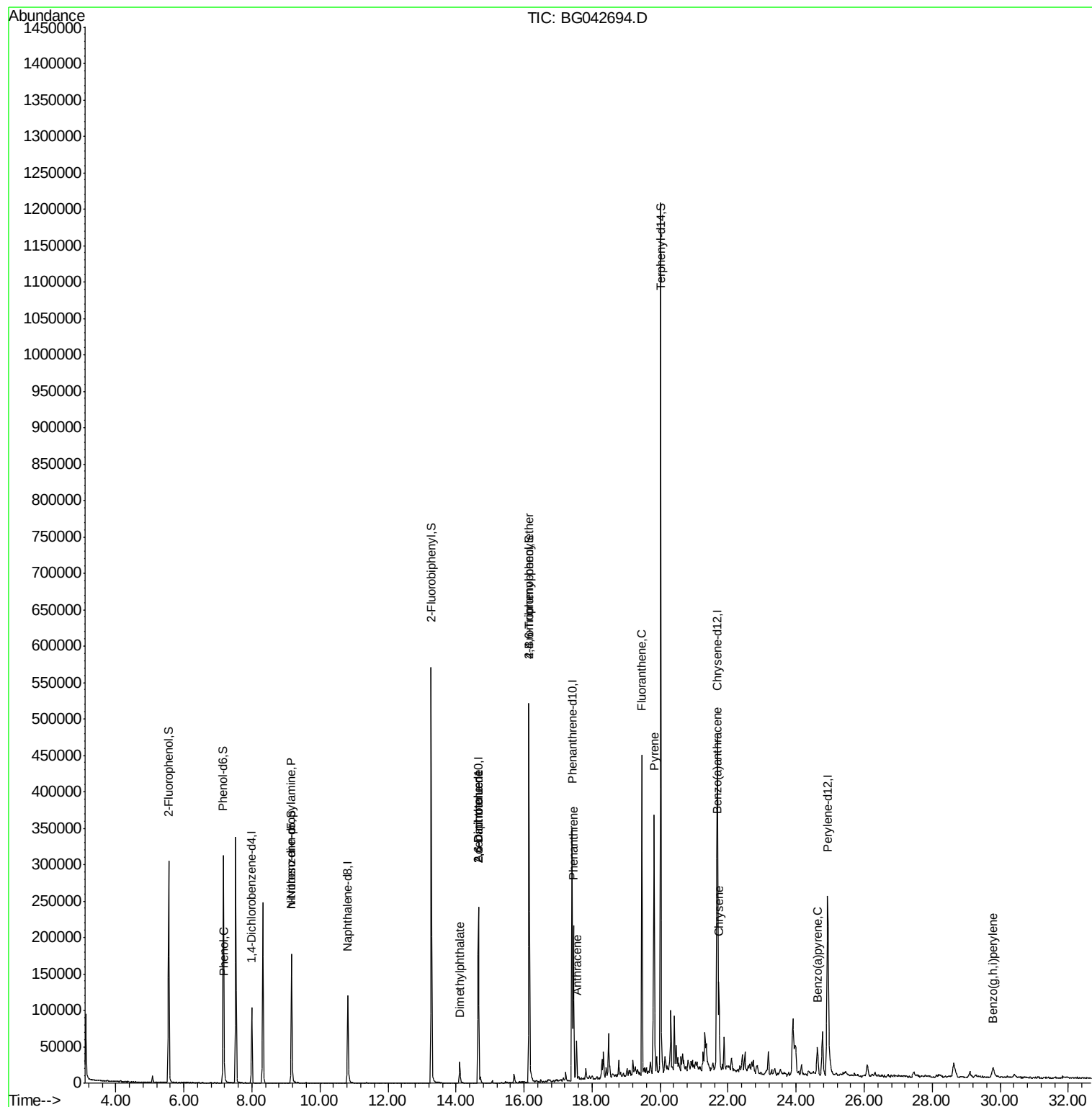
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.19	94	5854	2.593	ng	# 70
19) n-Nitroso-di-n-propylamine	9.17	70	15733	10.935	ng	# 72
50) Dimethylphthalate	14.11	163	31509	4.168	ng	99
51) 2,6-Dinitrotoluene	14.65	165	13431	7.664	ng	# 36
57) 2,4-Dinitrotoluene	14.65	165	13431	5.352	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	9879	3.211	ng	# 1
71) Phenanthrene	17.45	178	147779	12.267	ng	99
72) Anthracene	17.54	178	41846	3.479	ng	98
75) Fluoranthene	19.47	202	309779	21.070	ng	95
78) Pyrene	19.82	202	251471	15.664	ng	96
81) Benzo(a)anthracene	21.66	228	121732	7.642	ng	96
83) Chrysene	21.73	228	90813	5.911	ng	99
90) Benzo(a)pyrene	24.62	252	48372	2.949	ng	96
92) Benzo(a,h,i)perylene	29.80	276	33676	2.027	ng	97

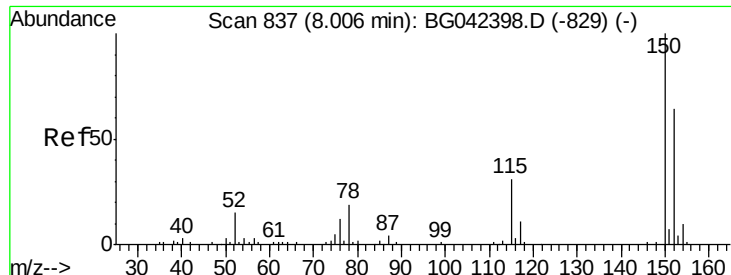
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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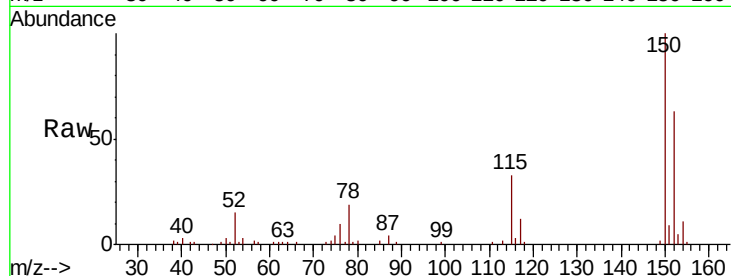


#1

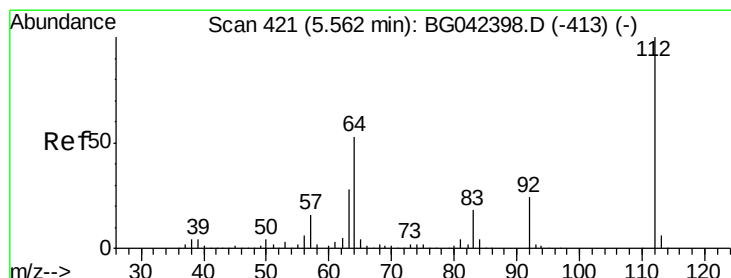
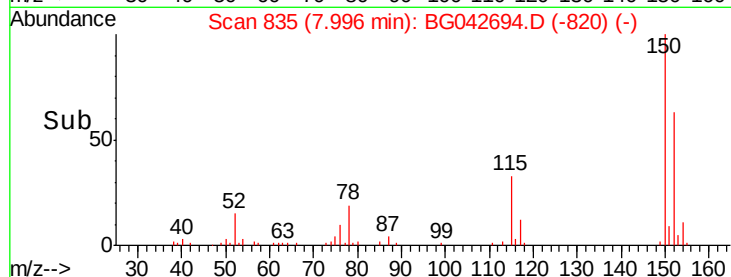
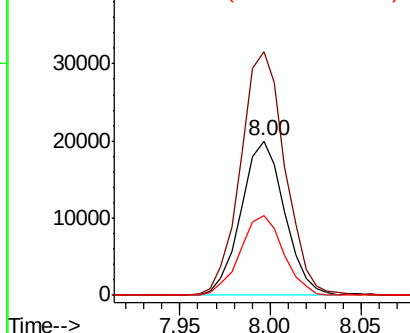
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 33298
Ion Ratio Lower Upper
152 100
150 158.1 125.4 188.0
115 51.9 38.5 57.7



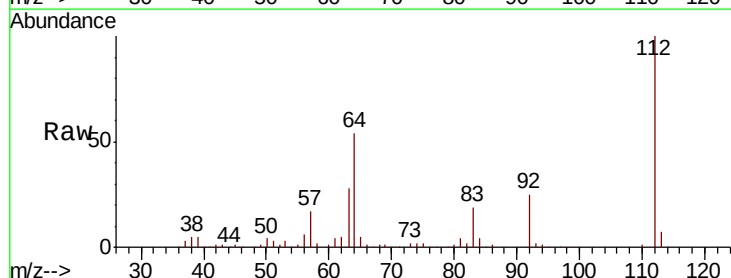
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



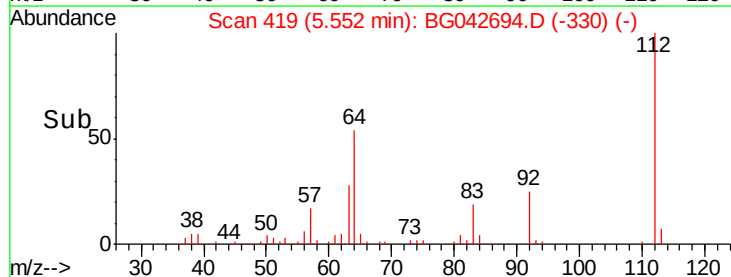
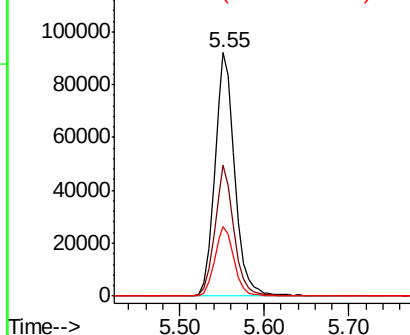
#5

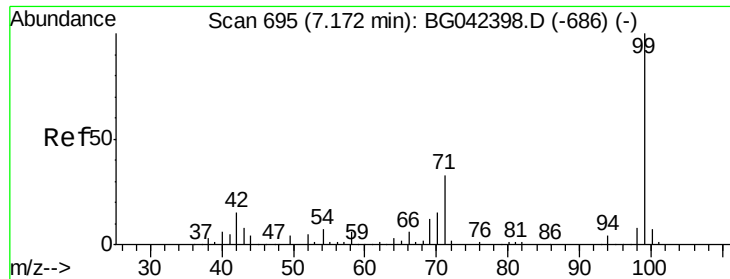
2-Fluorophenol
Concen: 92.218 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.01 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion:112 Resp: 151617
Ion Ratio Lower Upper
112 100
64 53.6 42.8 64.2
63 28.4 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: 94.342 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042694.D

Acq: 3 Sep 2019 18:29

Instrument :

BNA_G

ClientSampleId :

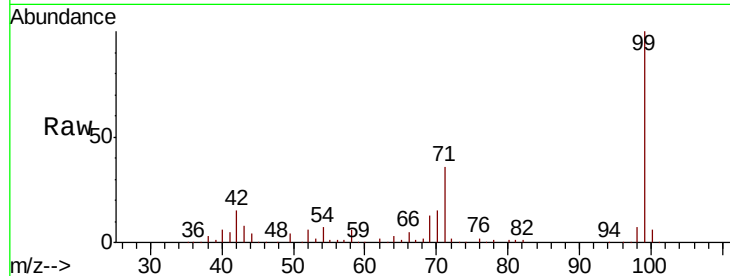
Tot Ion: 99 Resp: 209517

Ion Ratio Lower Upper

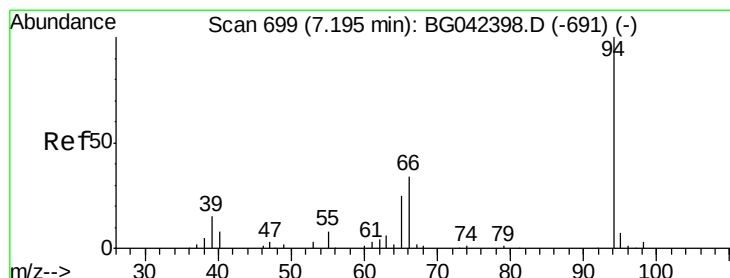
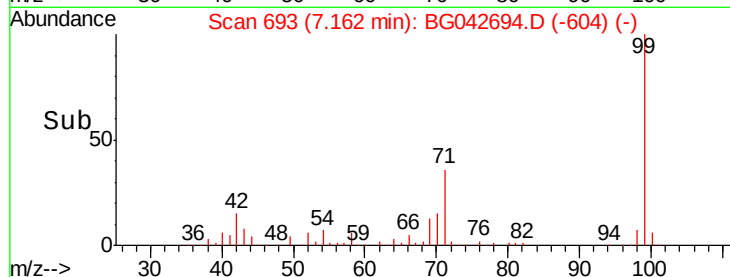
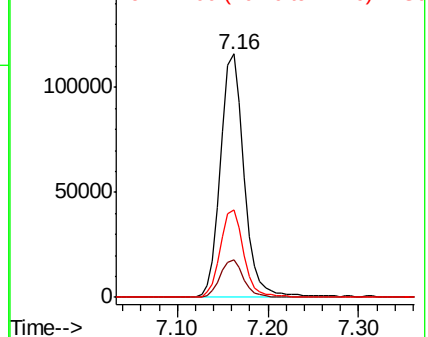
99 100

42 15.2 12.0 18.0

71 35.7 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: 2.593 ng

RT: 7.19 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG042694.D

Acq: 3 Sep 2019 18:29

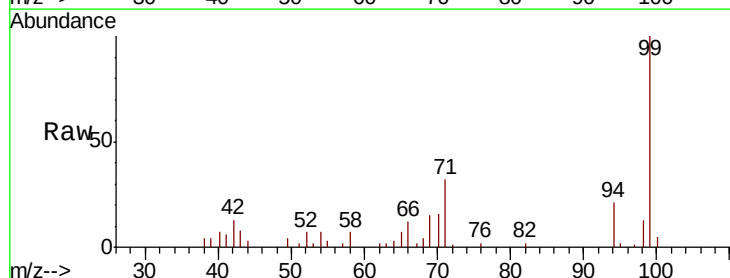
Tgt Ion: 94 Resp: 5854

Ion Ratio Lower Upper

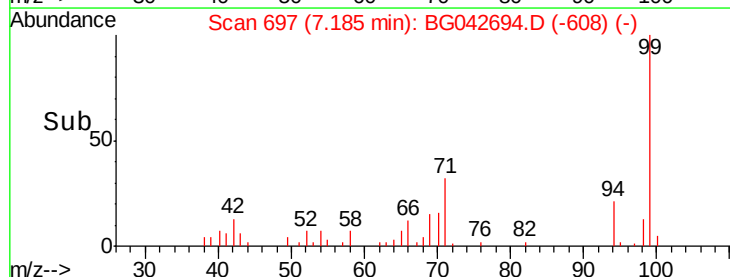
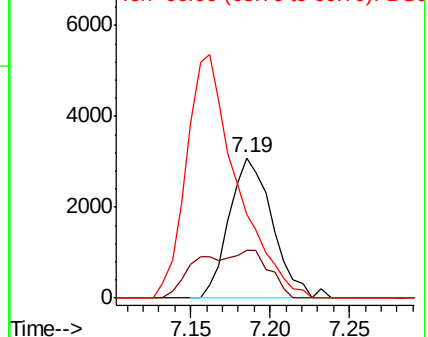
94 100

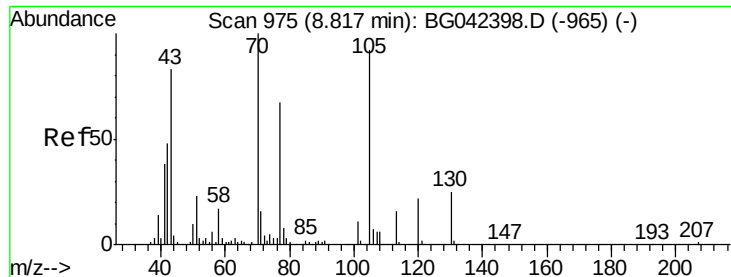
65 33.7 5.6 45.6

66 59.2 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

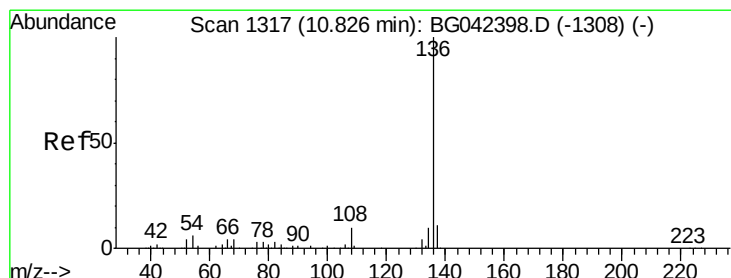
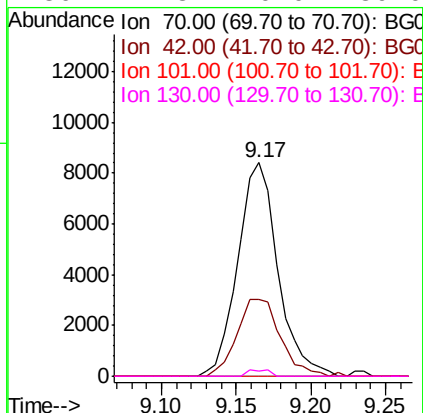
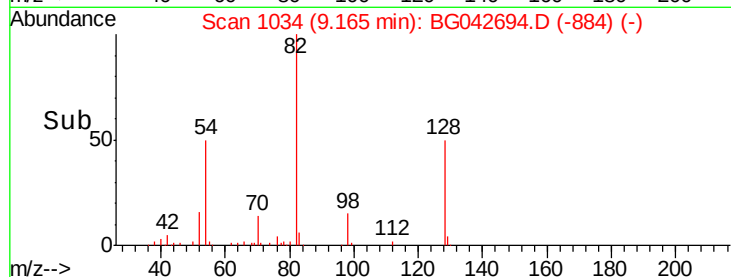
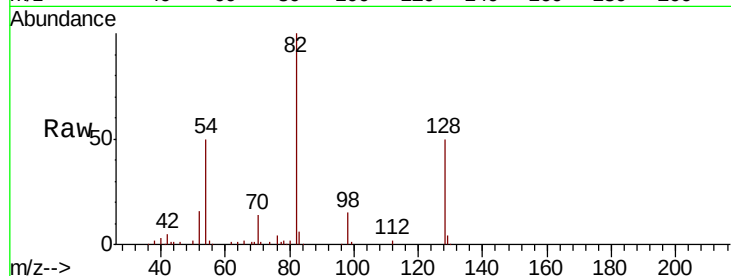




#19
 n-Nitroso-di-n-propylamine
 Concen: 10.935 ng
 RT: 9.17 min Scan# 1034
 Delta R.T. 0.35 min
 Lab File: BG042694.D
 Acq: 3 Sep 2019 18:29

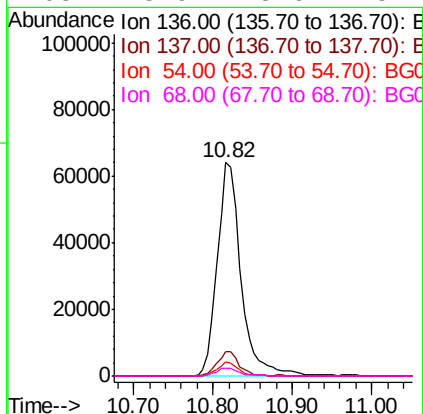
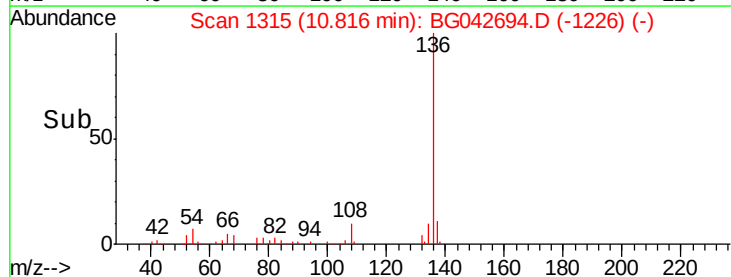
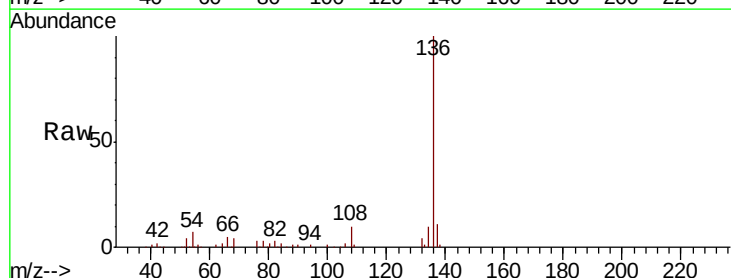
Instrument :
 BNA_G
 ClientSampleId :

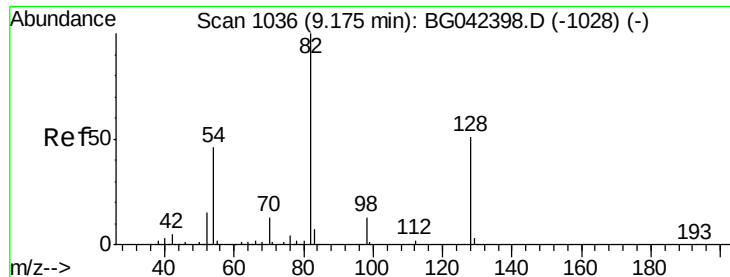
Tot Ion: 70 Resp: 15733
 Ion Ratio Lower Upper
 70 100
 42 35.9 38.8 58.2#
 101 0.0 9.0 13.6#
 130 2.3 20.0 30.0#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BG042694.D
 Acq: 3 Sep 2019 18:29

Tgt Ion: 136 Resp: 133385
 Ion Ratio Lower Upper
 136 100
 137 11.4 8.7 13.1
 54 6.5 4.9 7.3
 68 3.9 3.6 5.4

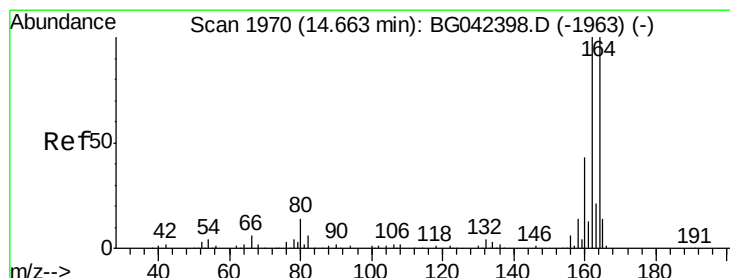
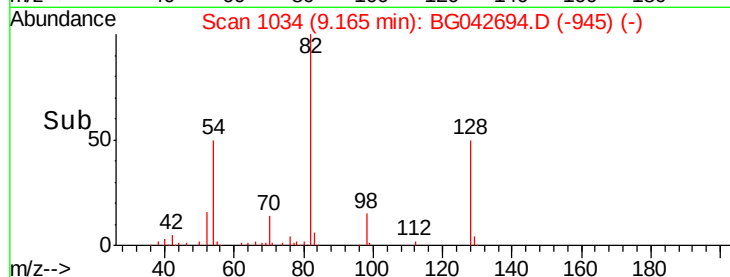
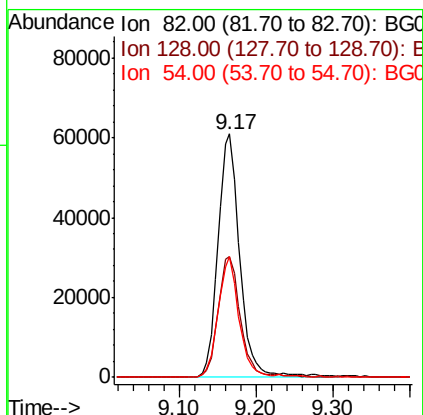
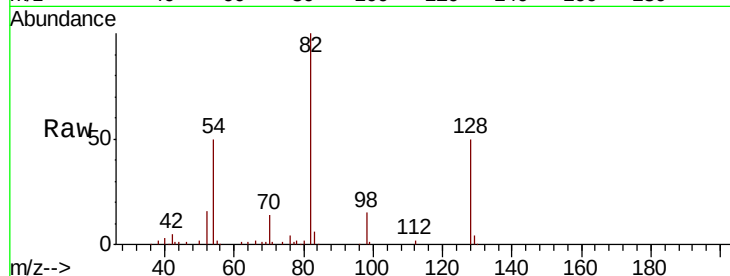




#23
 Nitrobenzene-d5
 Concen: 61.762 ng
 RT: 9.17 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BG042694.D
 Acq: 3 Sep 2019 18:29

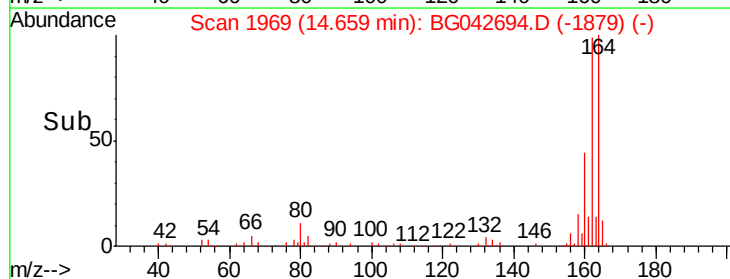
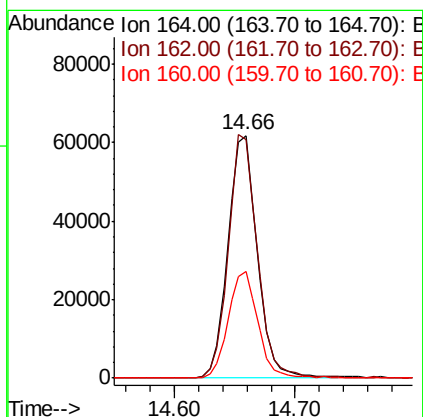
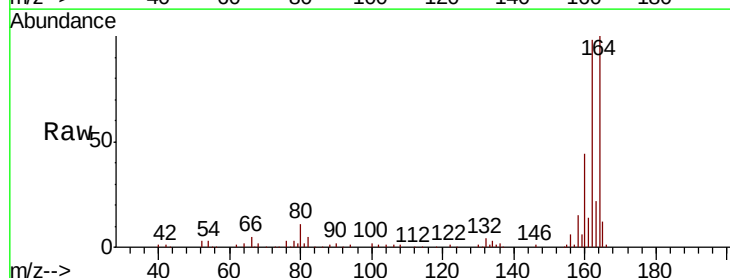
Instrument :
 BNA_G
 ClientSampleId :

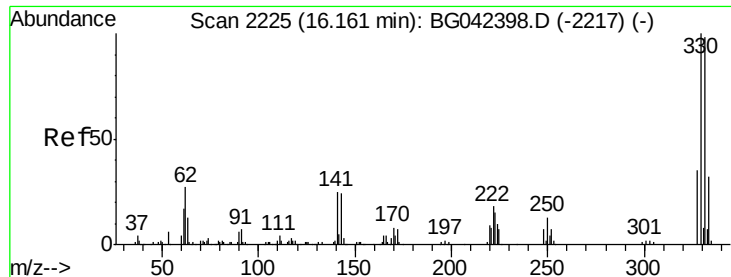
Tot Ion: 82 Resp: 119213
 Ion Ratio Lower Upper
 82 100
 128 49.8 40.7 61.1
 54 49.8 36.3 54.5



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: BG042694.D
 Acq: 3 Sep 2019 18:29

Tgt Ion:164 Resp: 104779
 Ion Ratio Lower Upper
 164 100
 162 98.3 79.9 119.9
 160 43.9 34.3 51.5





#42

2,4,6-Tribromophenol

Concen: 96.766 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042694.D

Acq: 3 Sep 2019 18:29

Instrument :

BNA_G

ClientSampleId :

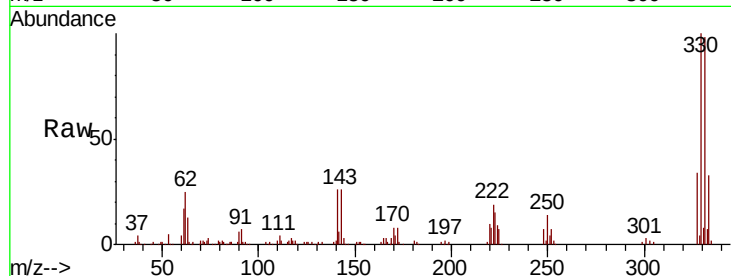
Tot Ion:330 Resp: 144110

Ion Ratio Lower Upper

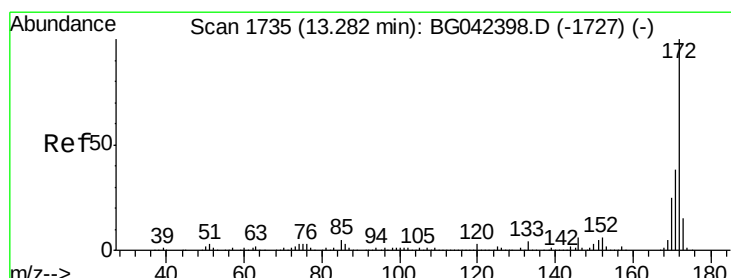
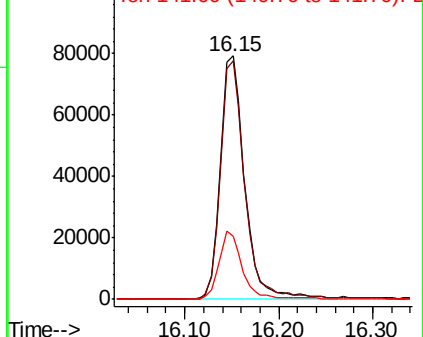
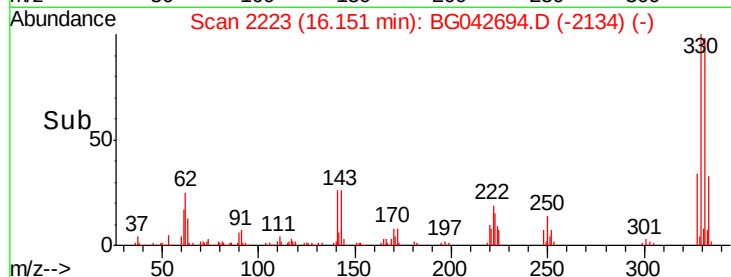
330 100

332 97.4 77.4 116.0

141 27.1 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: 58.601 ng

RT: 13.27 min Scan# 1733

Delta R.T. -0.01 min

Lab File: BG042694.D

Acq: 3 Sep 2019 18:29

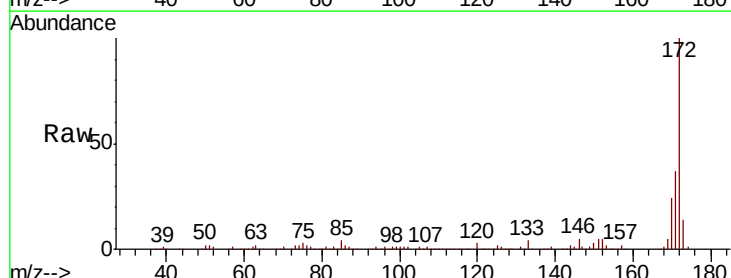
Tgt Ion:172 Resp: 363046

Ion Ratio Lower Upper

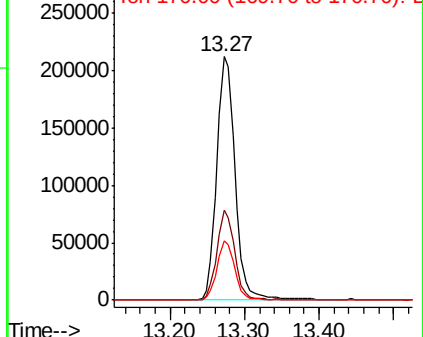
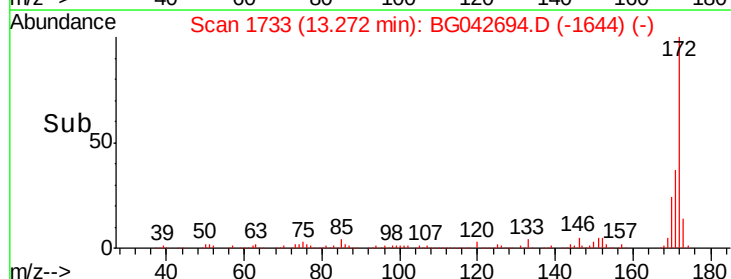
172 100

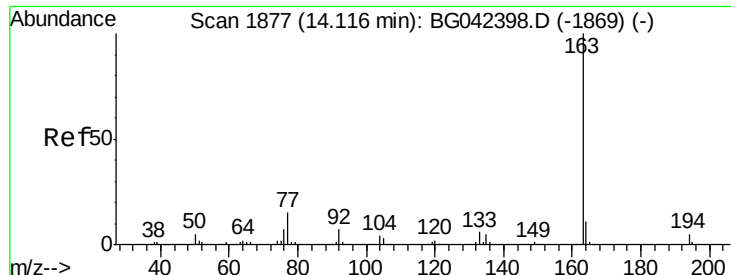
171 37.1 30.5 45.7

170 24.3 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

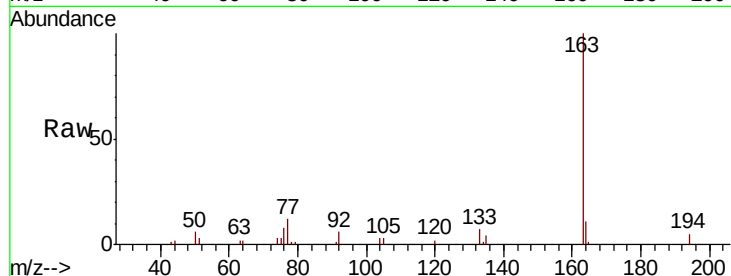




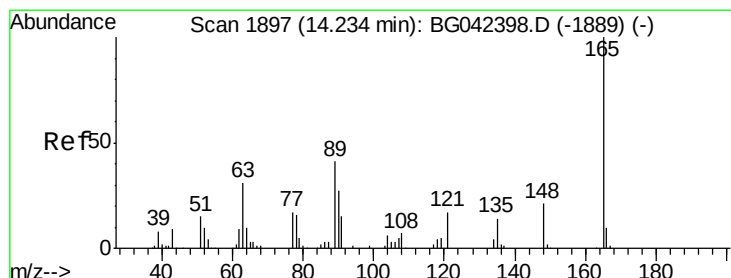
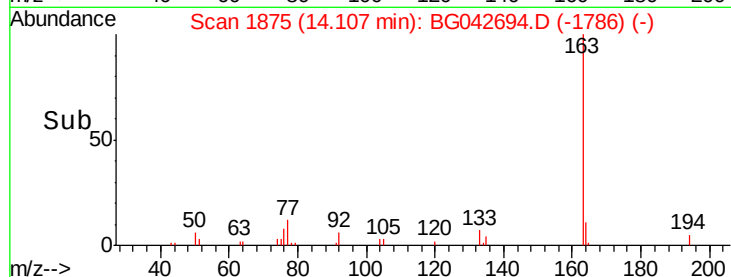
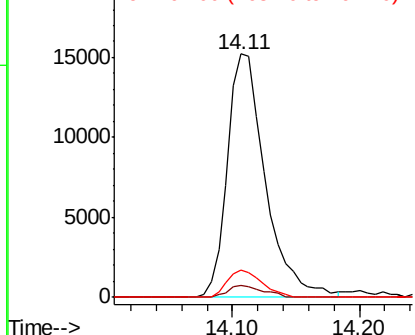
#50
Dimethylphthalate
Concen: 4.168 ng
RT: 14.11 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 31509
Ion Ratio Lower Upper
163 100
194 5.2 4.2 6.2
164 11.4 8.8 13.2

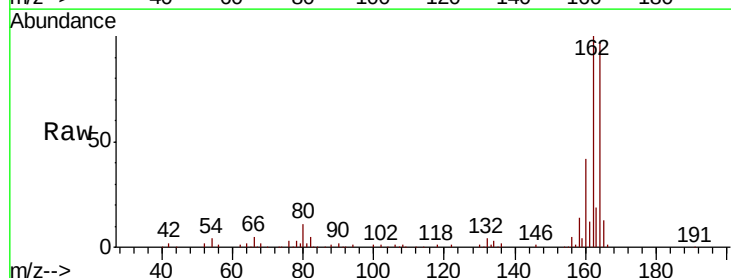


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

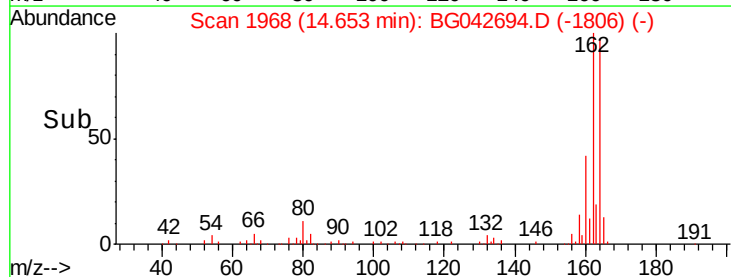
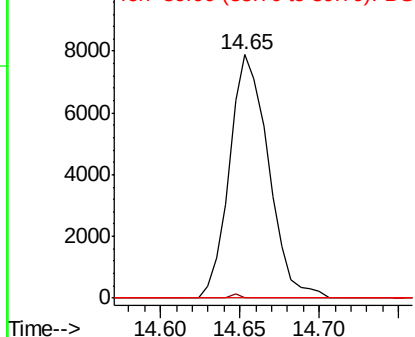


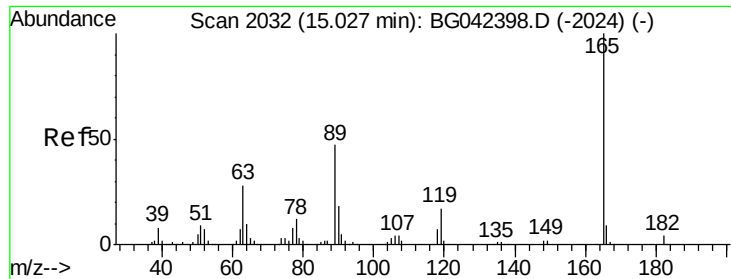
#51
2,6-Dinitrotoluene
Concen: 7.664 ng
RT: 14.65 min Scan# 1968
Delta R.T. 0.42 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion:165 Resp: 13431
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

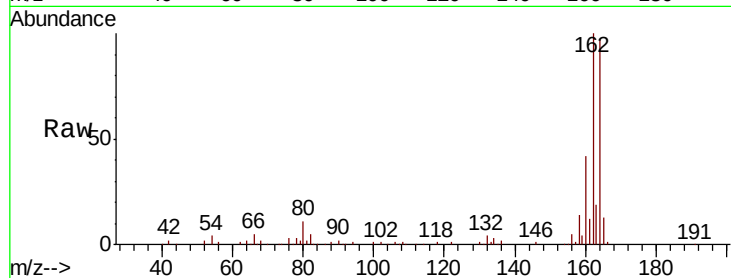




#57
 2,4-Dinitrotoluene
 Concen: 5.352 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.37 min
 Lab File: BG042694.D
 Acq: 3 Sep 2019 18:29

Instrument :
 BNA_G
 ClientSampleId :

Tot 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#



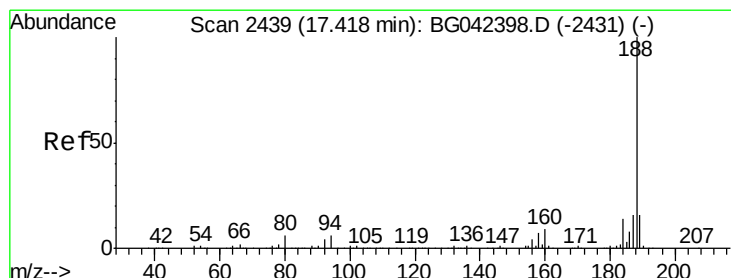
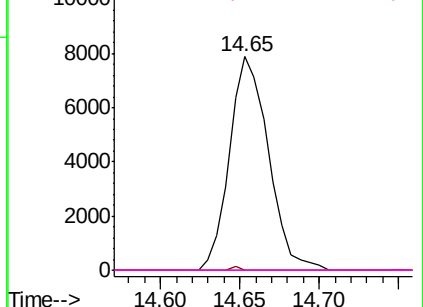
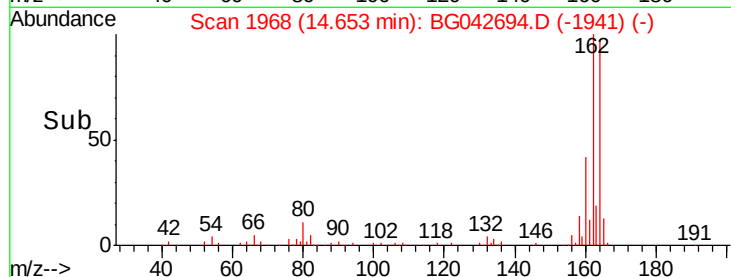
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

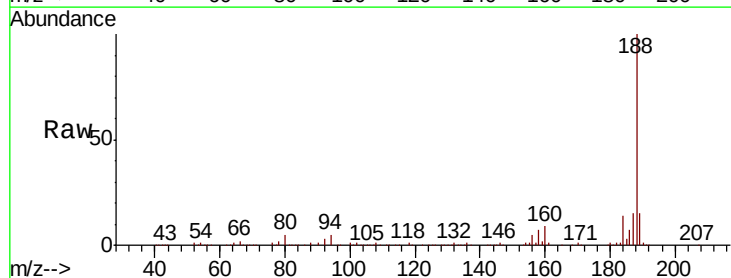
Ion 89.00 (88.70 to 89.70): BGC

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: BG042694.D
 Acq: 3 Sep 2019 18:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.1	4.5	6.7
80	5.5	4.9	7.3

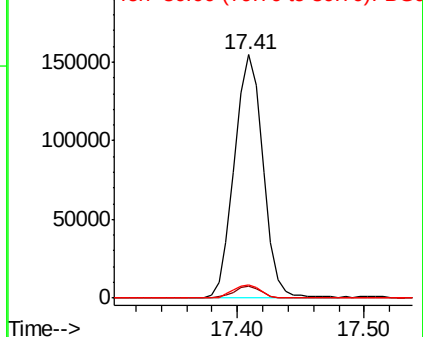
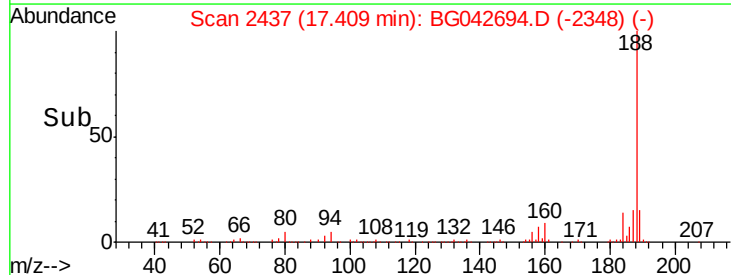


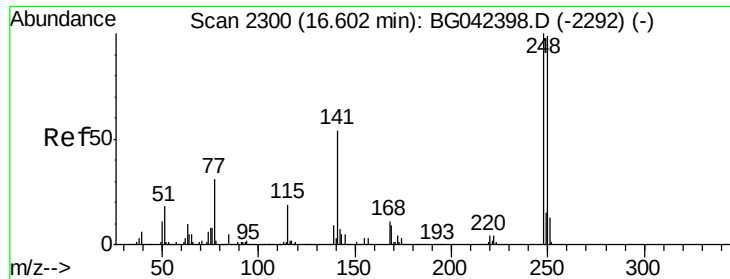
Abundance

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

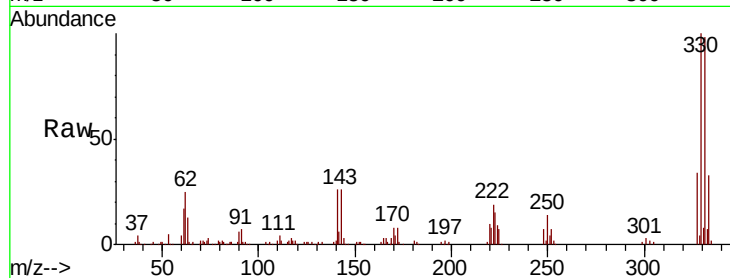




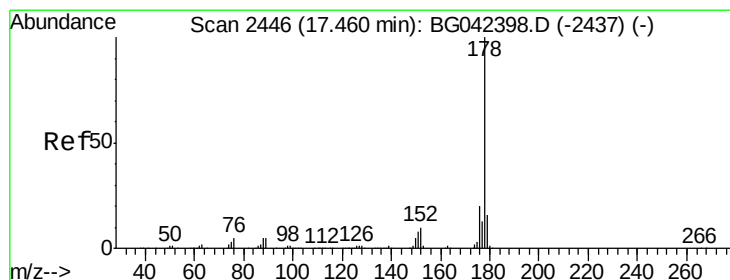
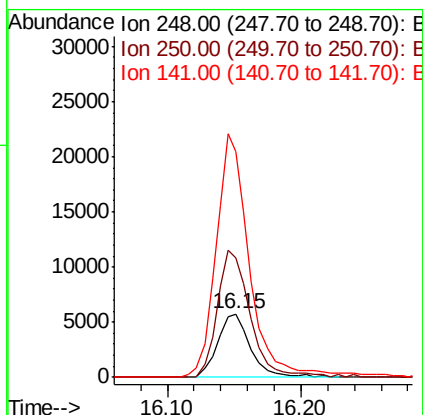
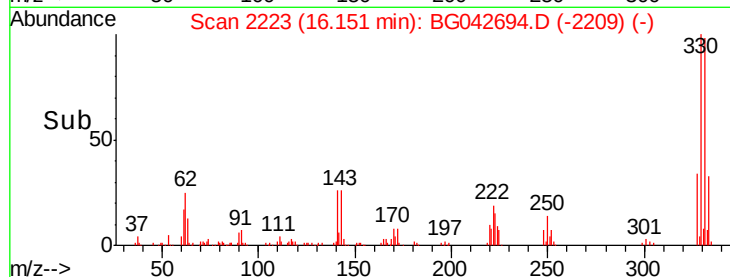
#67
 4-Bromophenyl-phenylether
 Concen: 3.211 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042694.D
 Acq: 3 Sep 2019 18:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 9879
 Ion Ratio Lower Upper
 248 100
 250 189.1 78.9 118.3#
 141 357.8 43.3 64.9#

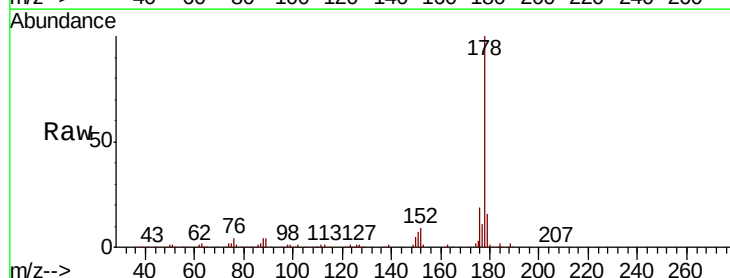


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

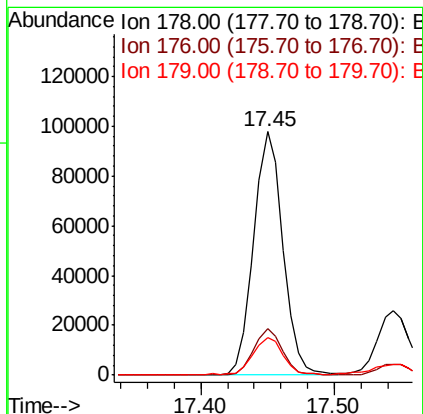
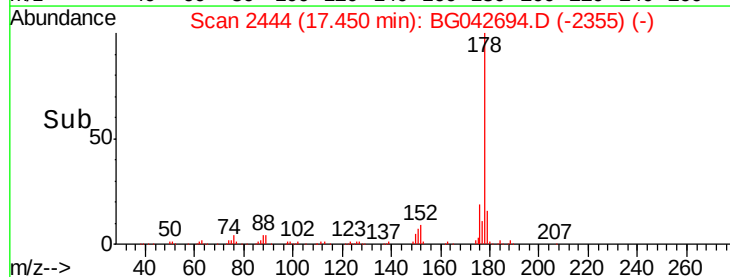


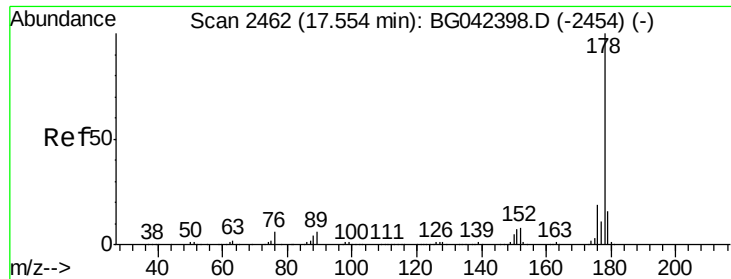
#71
 Phenanthrene
 Concen: 12.267 ng
 RT: 17.45 min Scan# 2444
 Delta R.T. -0.01 min
 Lab File: BG042694.D
 Acq: 3 Sep 2019 18:29

Tgt Ion:178 Resp: 147779
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.9 23.9
 179 15.6 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





#72

Anthracene

Concen: 3.479 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG042694.D

Acq: 3 Sep 2019 18:29

Instrument :

BNA_G

ClientSampleId :

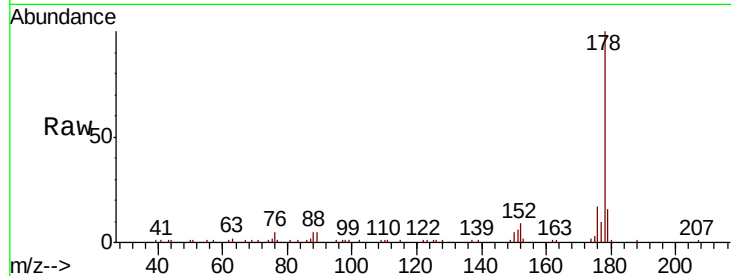
Tot Ion:178 Resp: 41846

Ion Ratio Lower Upper

178 100

176 17.5 15.5 23.3

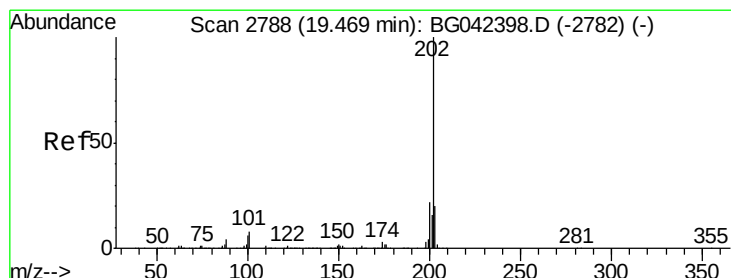
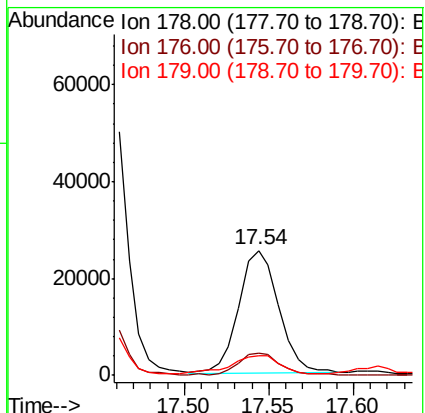
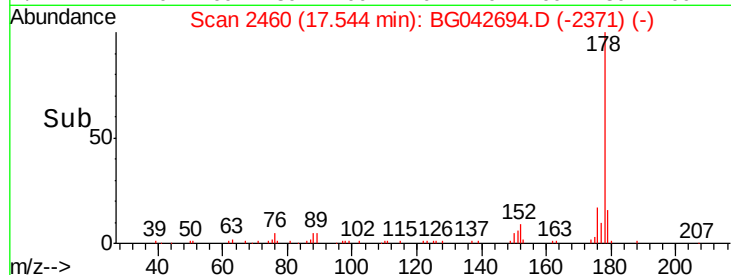
179 16.0 12.9 19.3



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: 21.070 ng

RT: 19.47 min Scan# 2787

Delta R.T. -0.00 min

Lab File: BG042694.D

Acq: 3 Sep 2019 18:29

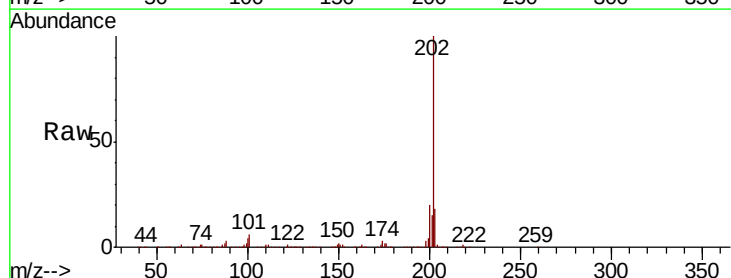
Tgt Ion:202 Resp: 309779

Ion Ratio Lower Upper

202 100

101 5.8 0.0 28.3

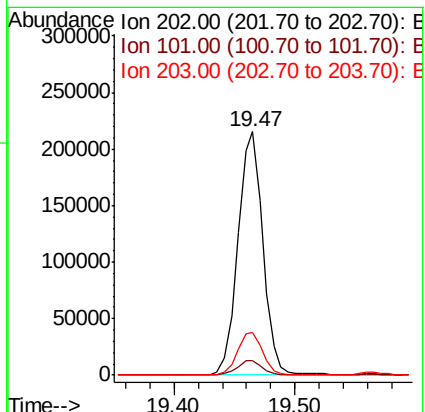
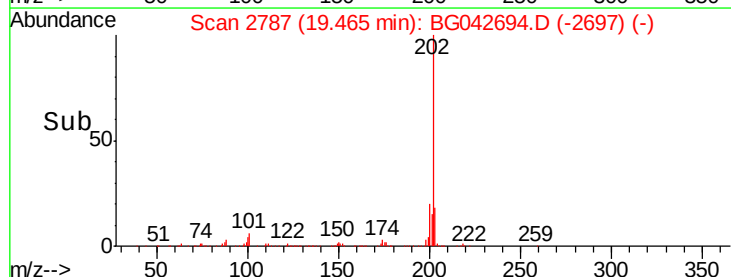
203 17.6 0.0 39.6

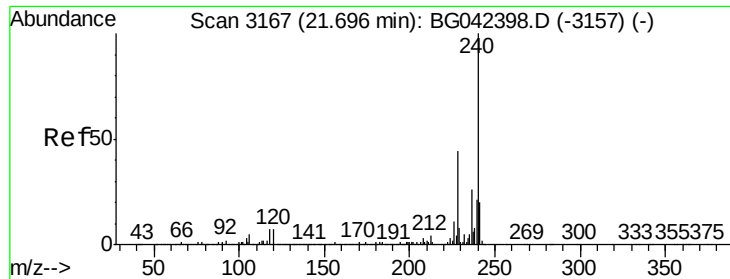


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

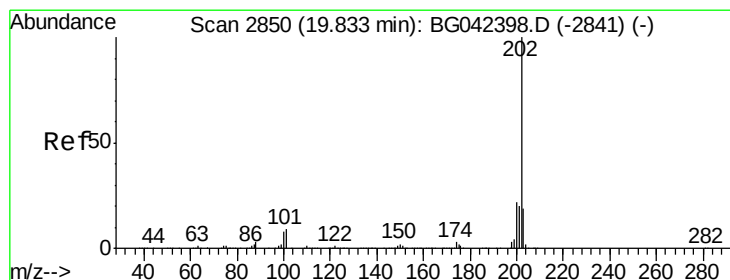
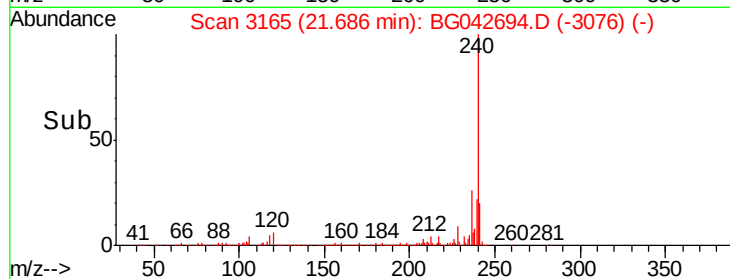
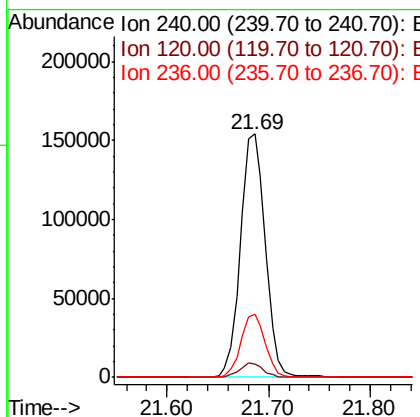
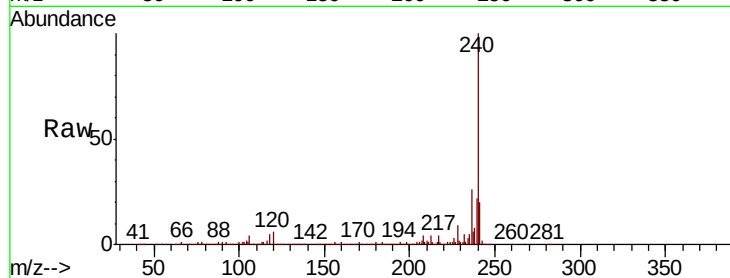




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3165
 Delta R.T. -0.01 min
 Lab File: BG042694.D
 Acq: 3 Sep 2019 18:29

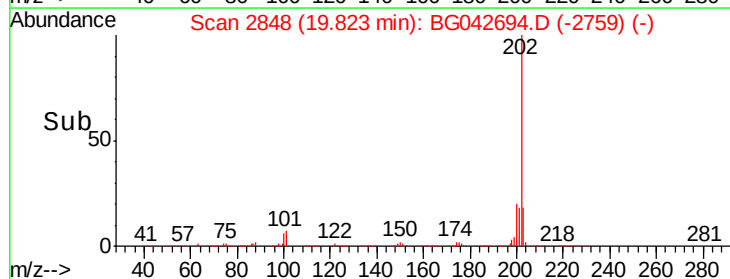
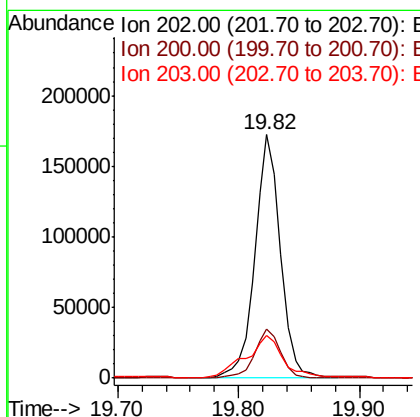
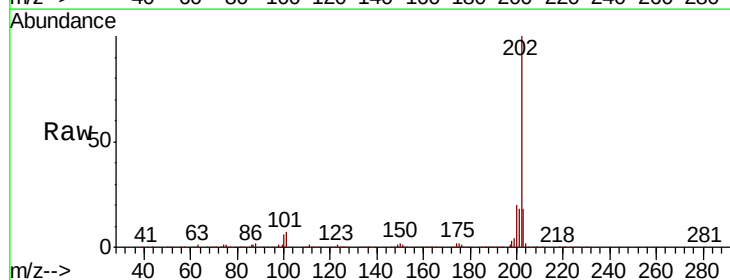
Instrument :
 BNA_G
 ClientSampleId :

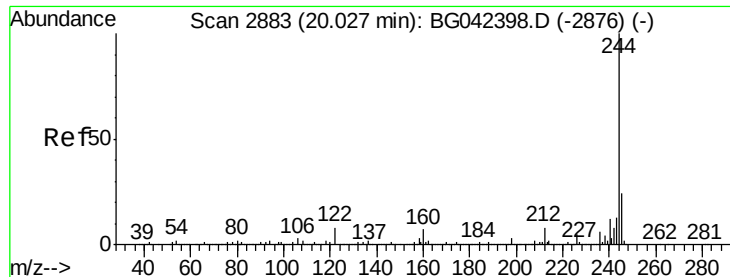
Tot Ion	Ratio	Lower	Upper
240	100		
120	5.6	5.7	8.5#
236	25.7	21.0	31.4



#78
 Pyrene
 Concen: 15.664 ng
 RT: 19.82 min Scan# 2848
 Delta R.T. -0.01 min
 Lab File: BG042694.D
 Acq: 3 Sep 2019 18:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.8	26.6
203	17.7	15.5	23.3





#79

Terphenyl-d14

Concen: 53.477 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG042694.D

Acq: 3 Sep 2019 18:29

Instrument :

BNA_G

ClientSampleId :

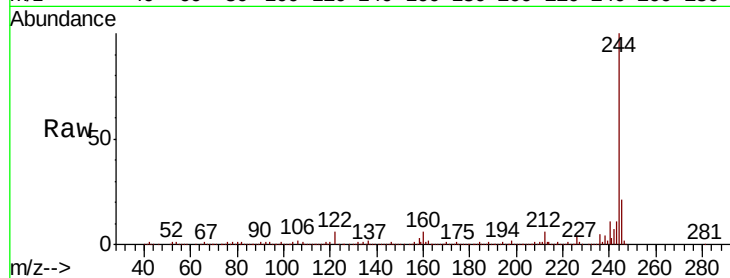
Tot Ion:244 Resp: 647729

Ion Ratio Lower Upper

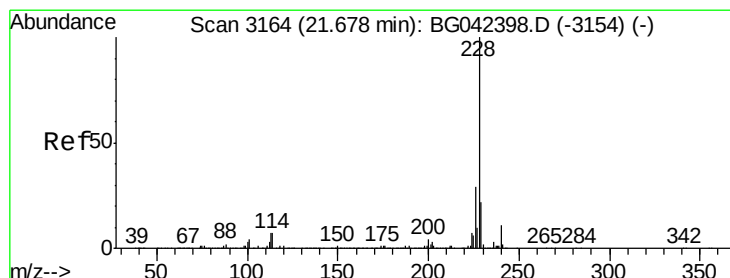
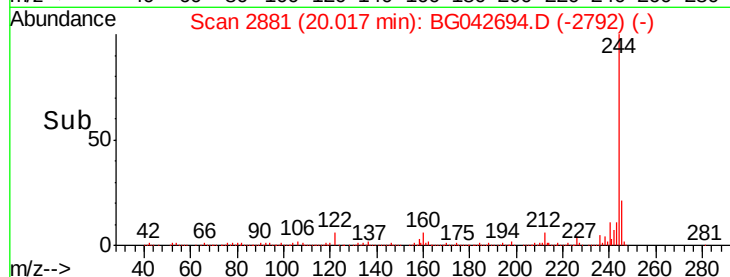
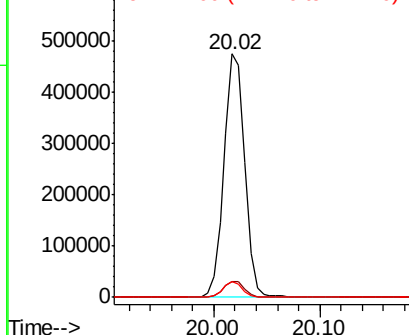
244 100

212 6.5 6.0 9.0

122 6.5 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



#81

Benzo(a)anthracene

Concen: 7.642 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.02 min

Lab File: BG042694.D

Acq: 3 Sep 2019 18:29

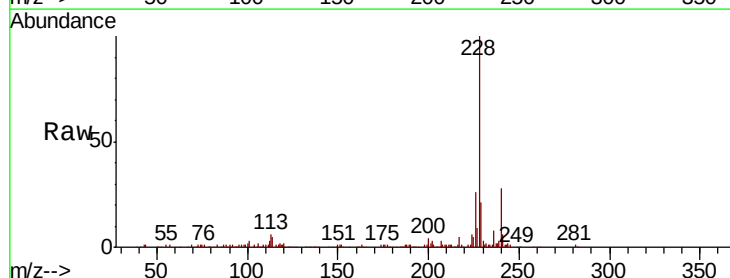
Tgt Ion:228 Resp: 121732

Ion Ratio Lower Upper

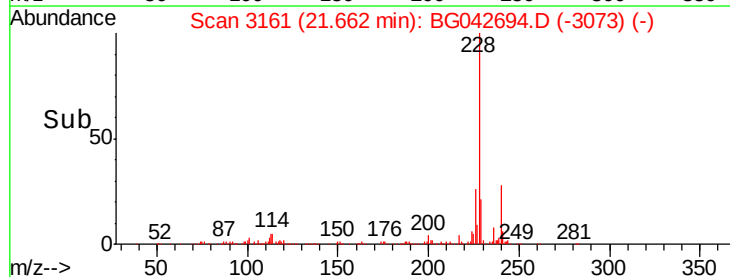
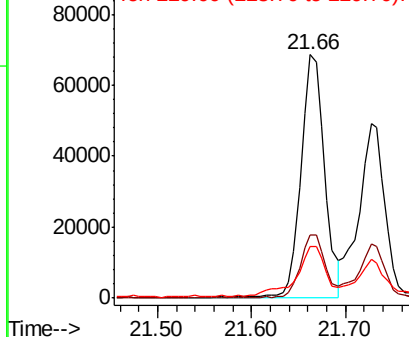
228 100

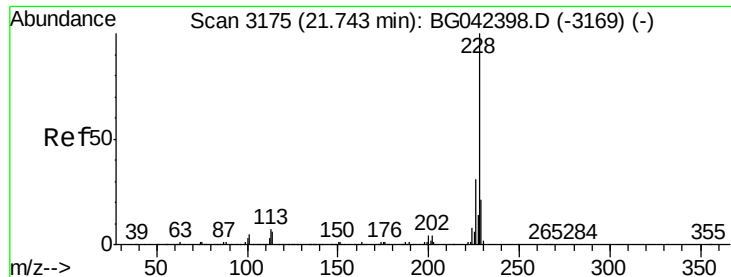
226 26.0 23.4 35.2

229 21.2 17.4 26.2



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

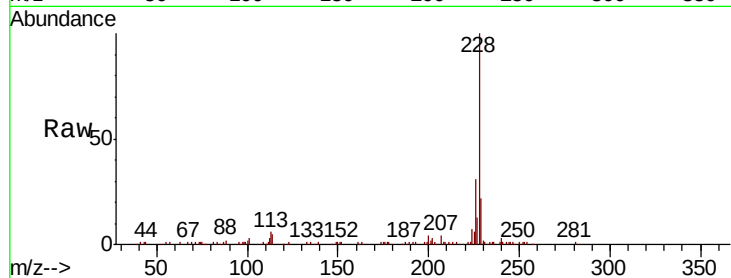




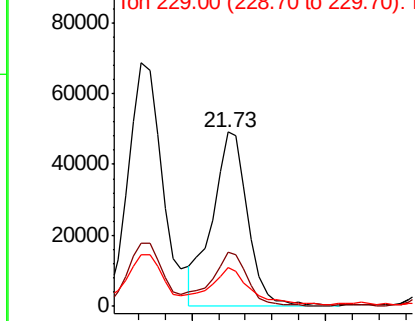
#83
Chrysene
Concen: 5.911 ng
RT: 21.73 min Scan# 3172
Delta R.T. -0.02 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Instrument :
BNA_G
ClientSampleId :

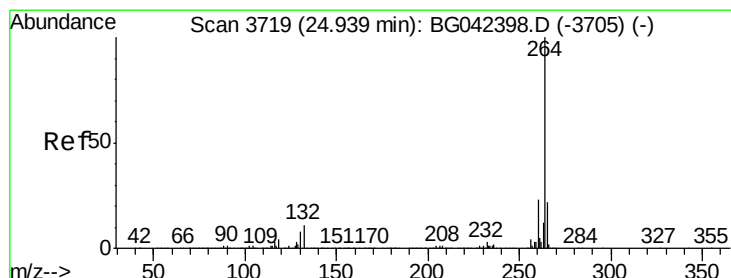
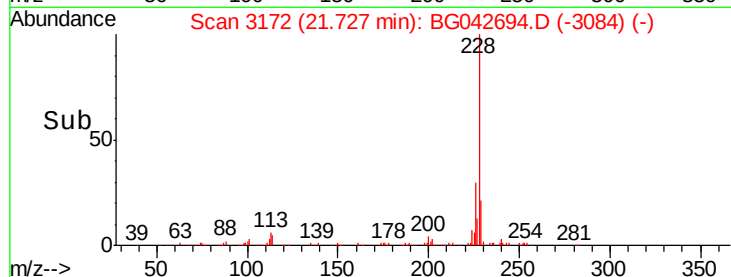
Tot Ion:228 Resp: 90813
Ion Ratio Lower Upper
228 100
226 30.8 24.9 37.3
229 22.0 16.9 25.3



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

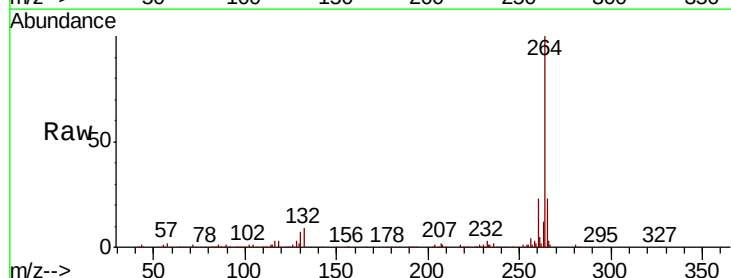


Time-->

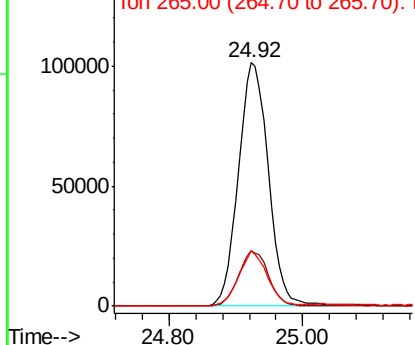


#87
Perylene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.02 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

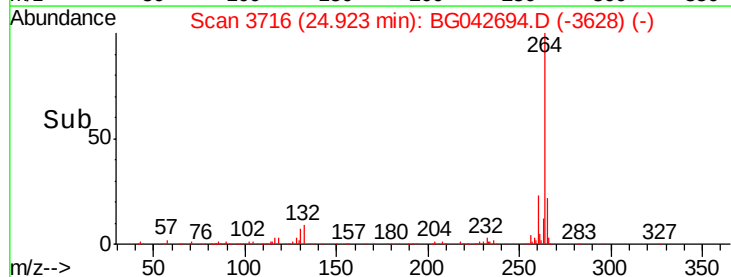
Tgt Ion:264 Resp: 314447
Ion Ratio Lower Upper
264 100
260 22.8 18.5 27.7
265 22.6 17.6 26.4

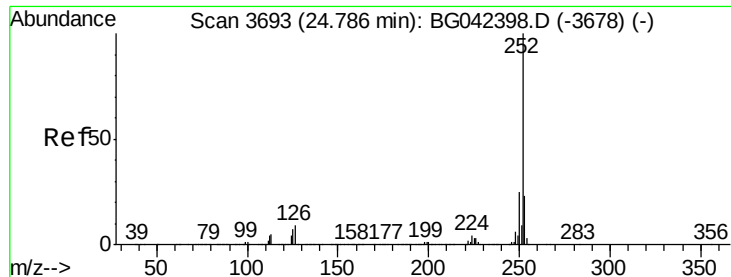


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time-->





#90

Benzo(a)pyrene

Concen: 2.949 ng

RT: 24.62 min Scan# 3665

Delta R.T. -0.16 min

Lab File: BG042694.D

Acq: 3 Sep 2019 18:29

Instrument :

BNA_G

ClientSampleId :

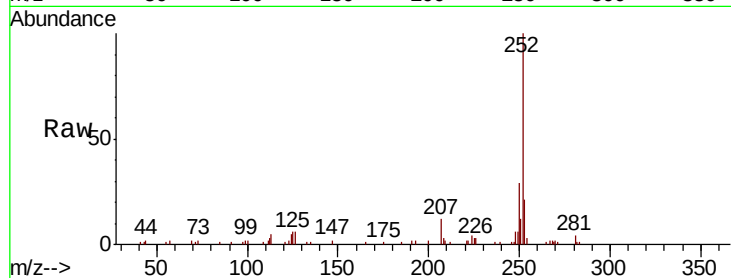
Tot Ion:252 Resp: 48372

Ion Ratio Lower Upper

252 100

253 21.1 18.4 27.6

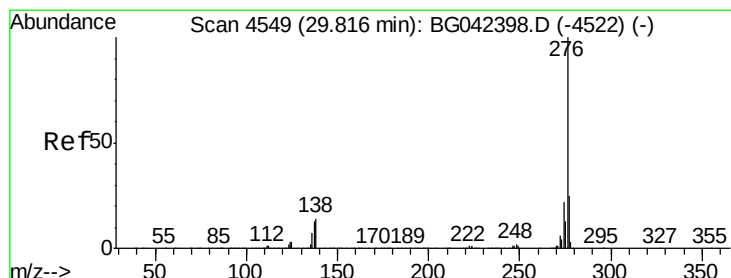
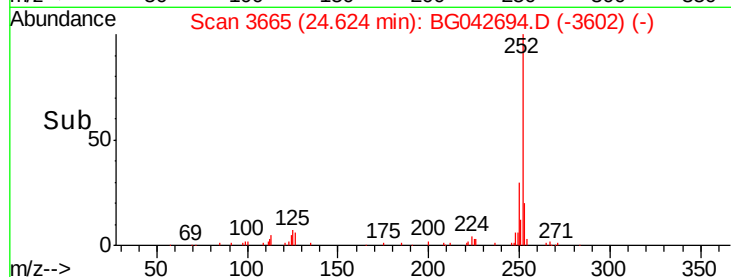
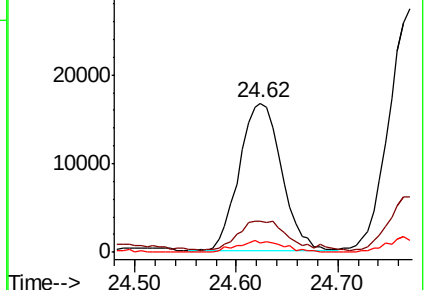
125 6.4 6.0 9.0



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



#92

Benzo(g,h,i)perylene

Concen: 2.027 ng

RT: 29.80 min Scan# 4546

Delta R.T. -0.02 min

Lab File: BG042694.D

Acq: 3 Sep 2019 18:29

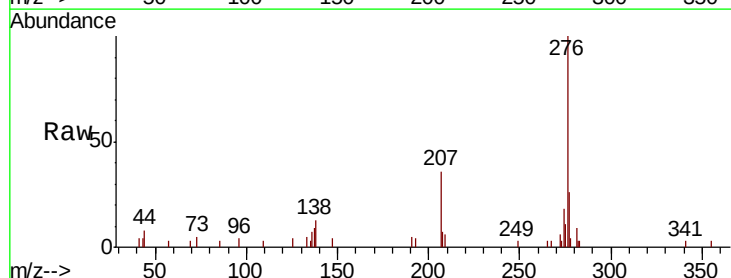
Tgt Ion:276 Resp: 33676

Ion Ratio Lower Upper

276 100

277 26.0 19.8 29.8

138 12.7 11.4 17.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

