

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
 Data File : BG042372.D
 Acq On : 21 Aug 2019 00:26
 Operator : HP/JU
 Sample : K4388-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 04:32:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 13:40:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	74504	20.00	ng	0.01
21) Naphthalene-d8	10.84	136	284531	20.00	ng	0.01
39) Acenaphthene-d10	14.67	164	181809	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	343479	20.00	ng	0.01
76) Chrysene-d12	21.71	240	374247	20.00	ng	0.01
87) Perylene-d12	24.96	264	449776	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	290175	78.91	ng	0.02
7) Phenol-d6	7.18	99	402541	80.60	ng	0.02
23) Nitrobenzene-d5	9.18	82	228574	56.50	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	195205	78.83	ng	0.01
45) 2-Fluorobiphenyl	13.29	172	476005	44.30	ng	0.00
79) Terphenyl-d14	20.04	244	693131	40.57	ng	0.00

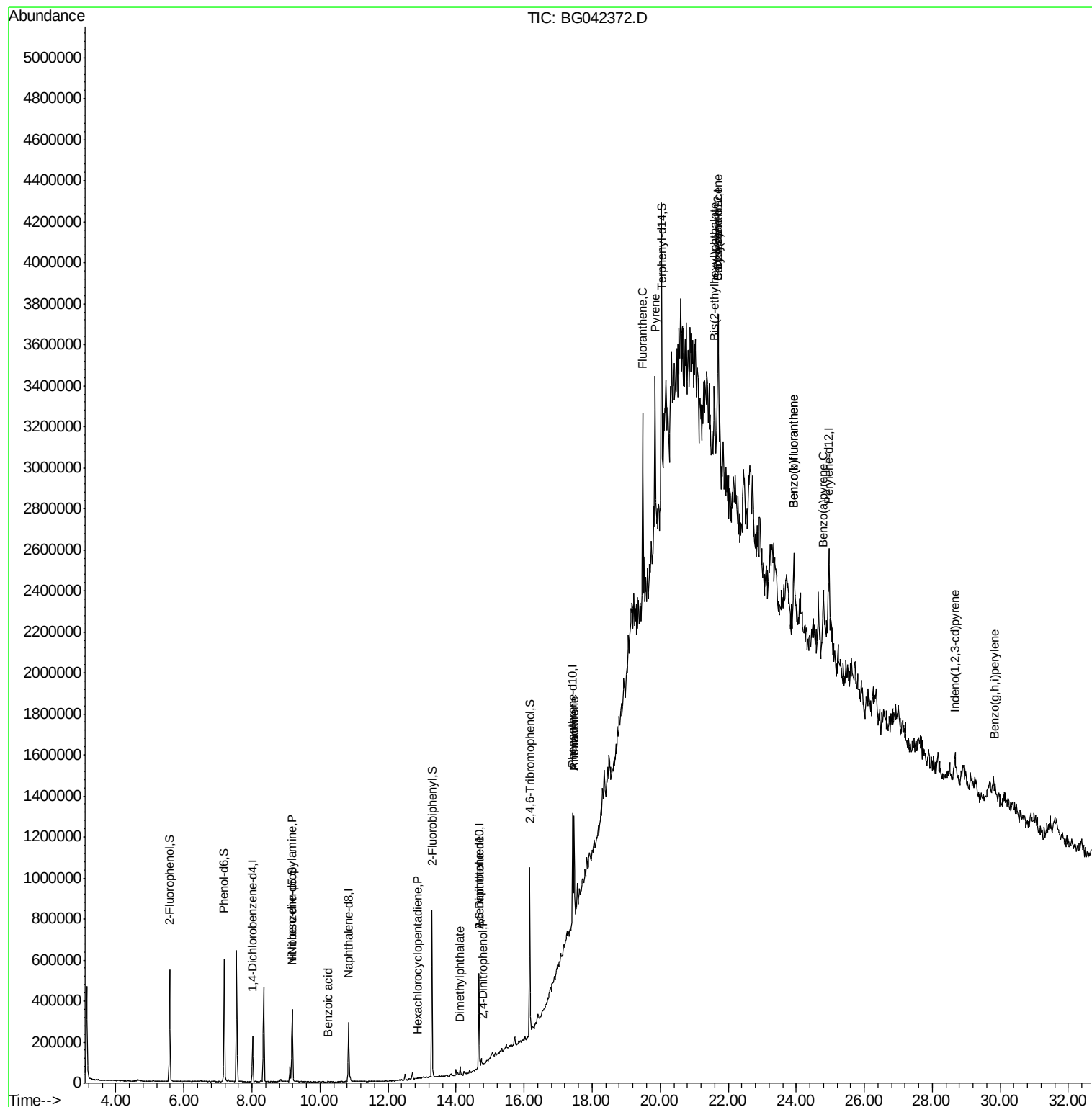
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	9.18	70	30276	9.425	ng	# 75
32) Benzoic acid	10.24	122	74	7.804	ng	# 74
41) Hexachlorocyclopentadiene	12.85	237	68	6.414	ng	# 26
50) Dimethylphthalate	14.12	163	35316	2.734	ng	99
51) 2,6-Dinitrotoluene	14.67	165	24877	8.228	ng	# 42
54) 2,4-Dinitrophenol	14.79	184	54	6.537	ng	# 1
71) Phenanthrene	17.47	178	333527	19.497	ng	99
72) Anthracene	17.47	178	333527	19.549	ng	99
75) Fluoranthene	19.49	202	596743	28.928	ng	96
78) Pyrene	19.84	202	557306	24.201	ng	98
81) Benzo(a)anthracene	21.69	228	352811	15.351	ng	95
83) Chrysene	21.69	228	352811	16.047	ng	96
84) Bis(2-ethylhexyl)phthalate	21.59	149	122303	9.611	ng	# 94
86) Indeno(1,2,3-cd)pyrene	28.68	276	142687	4.861	ng	95
88) Benzo(b)fluoranthene	23.93	252	360931	14.600	ng	# 84
89) Benzo(k)fluoranthene	23.93	252	360931	14.936	ng	# 84
90) Benzo(a)pyrene	24.81	252	244680	10.329	ng	# 81
92) Benzo(g,h,i)perylene	29.84	276	132534	5.628	ng	# 82

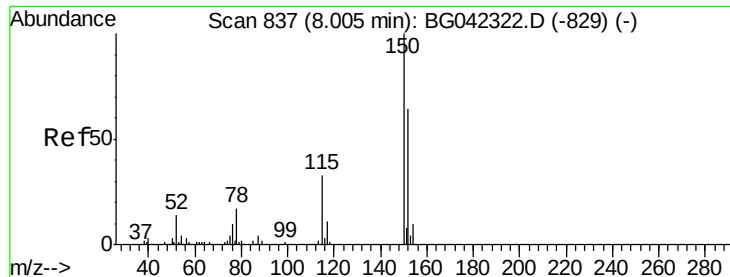
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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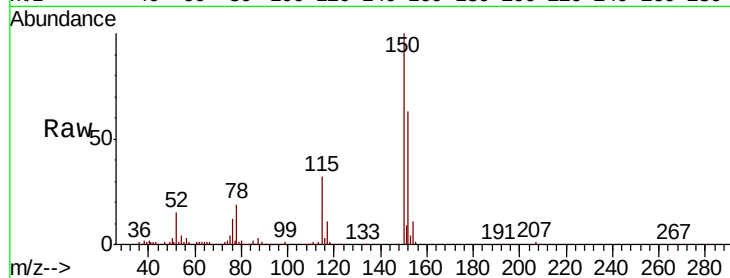


#1

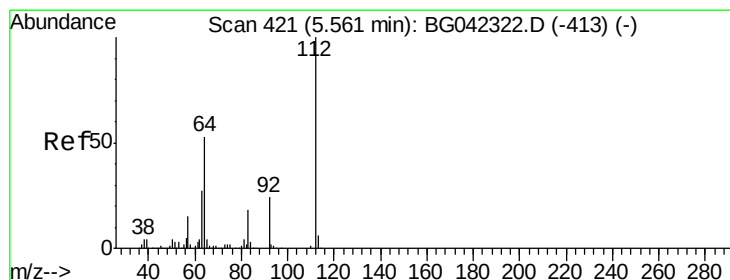
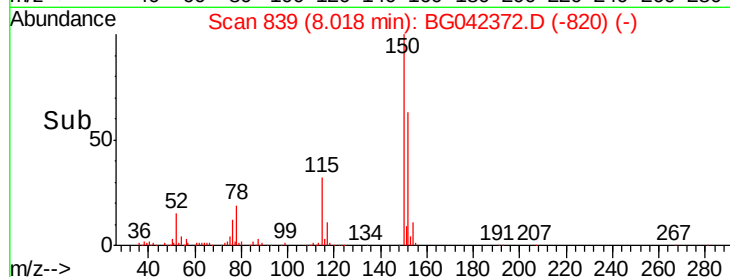
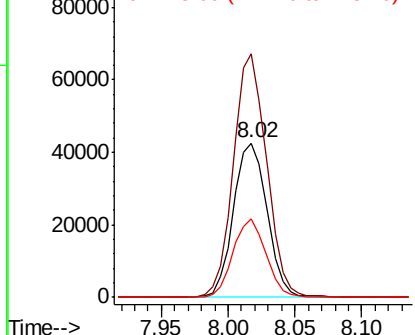
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. 0.01 min
Lab File: BG042372.D
Acq: 21 Aug 2019 00:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 74504
Ion Ratio Lower Upper
152 100
150 158.0 124.3 186.5
115 51.1 40.5 60.7



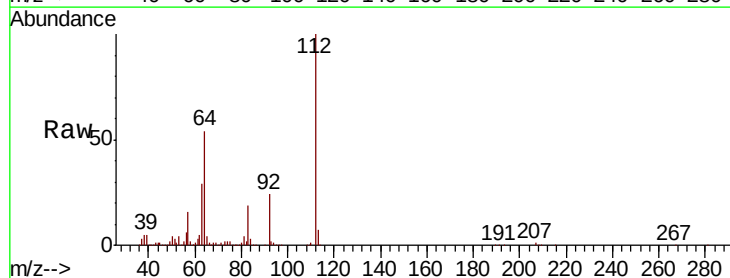
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



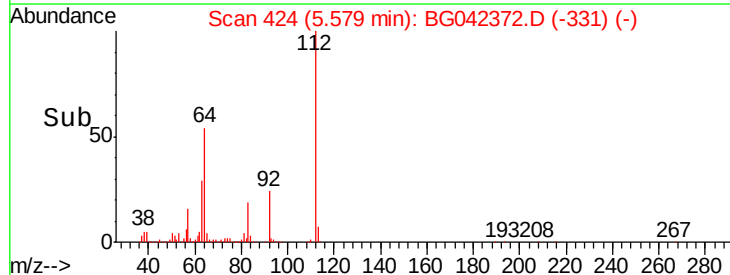
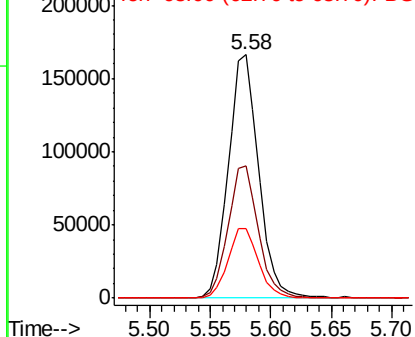
#5

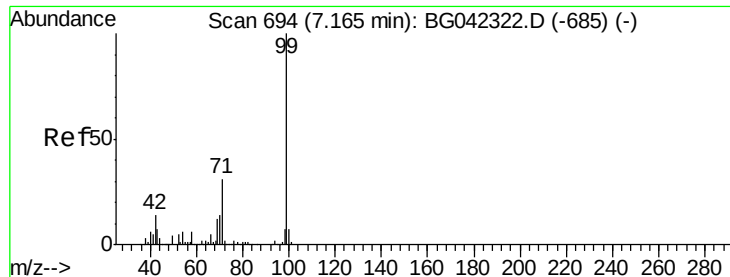
2-Fluorophenol
Concen: 78.911 ng
RT: 5.58 min Scan# 424
Delta R.T. 0.02 min
Lab File: BG042372.D
Acq: 21 Aug 2019 00:26

Tgt Ion:112 Resp: 290175
Ion Ratio Lower Upper
112 100
64 54.2 42.5 63.7
63 28.8 21.7 32.5



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: 80.603 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.02 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

Instrument :

BNA_G

ClientSampled :

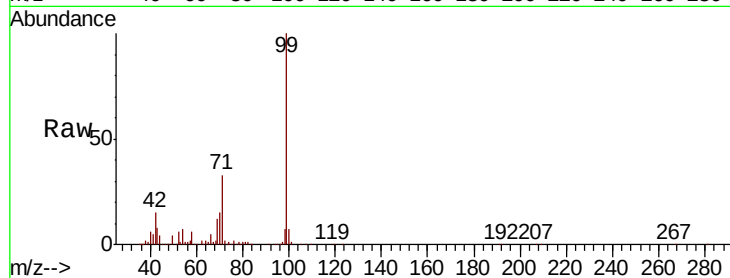
Tot Ion: 99 Resp: 402541

Ion Ratio Lower Upper

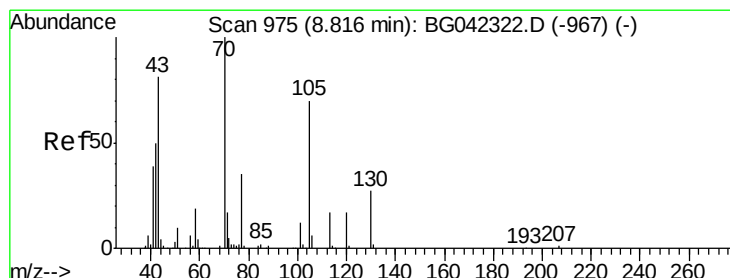
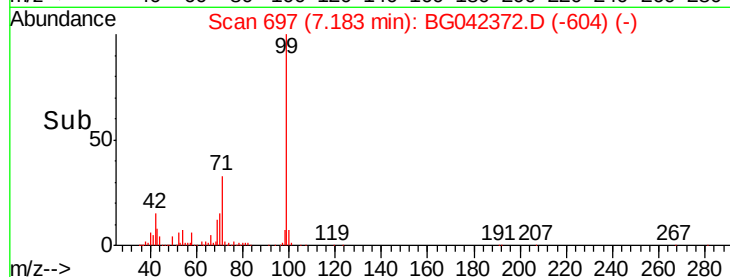
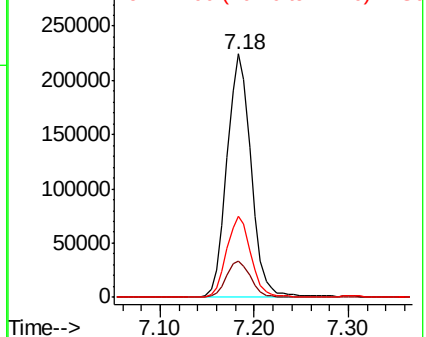
99 100

42 15.0 11.4 17.0

71 33.4 25.1 37.7



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: 9.425 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.36 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

Tgt Ion: 70 Resp: 30276

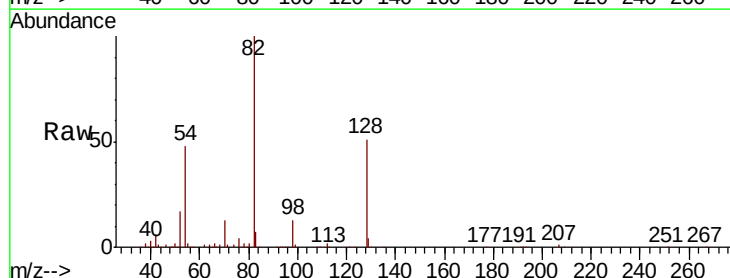
Ion Ratio Lower Upper

70 100

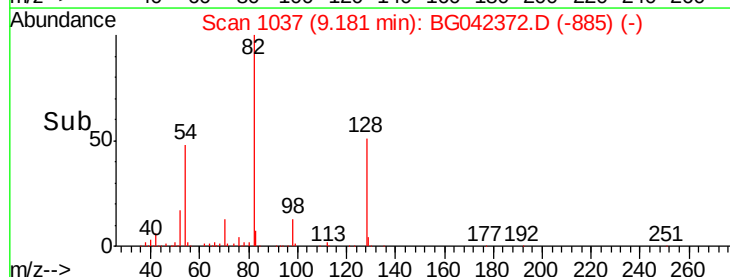
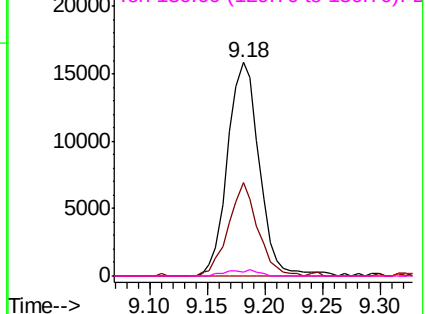
42 43.7 40.5 60.7

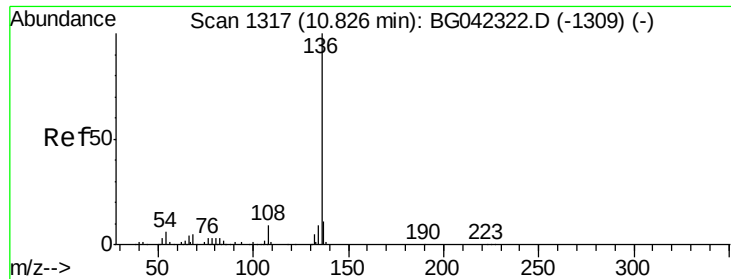
101 0.0 9.3 13.9#

130 1.9 22.0 33.0#



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

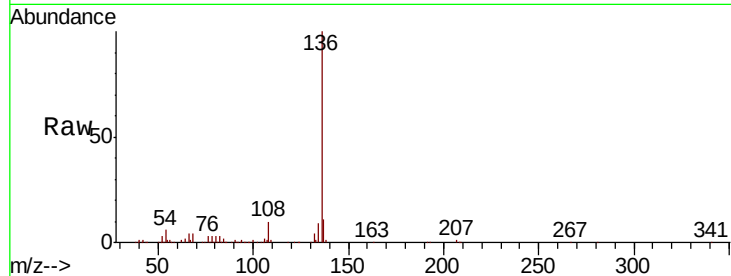




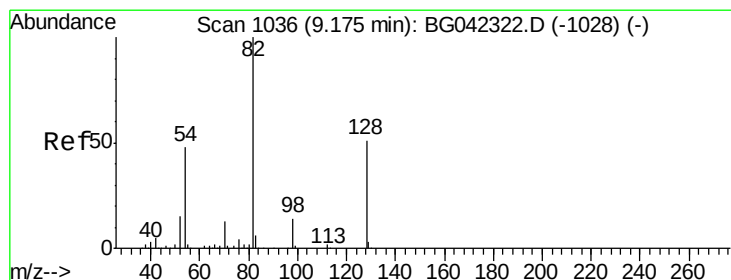
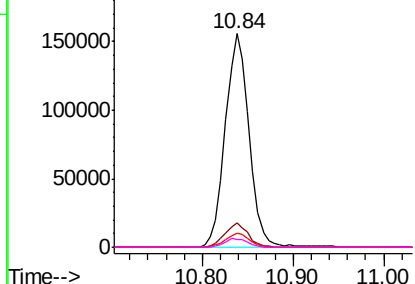
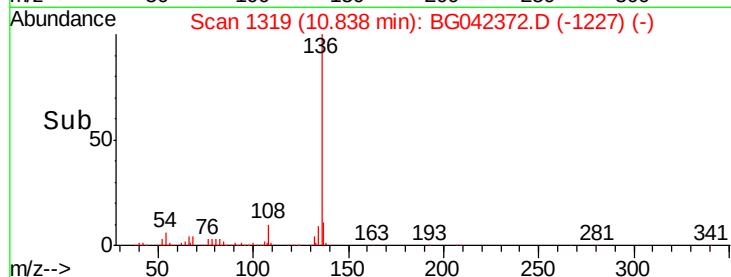
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BG042372.D
Acq: 21 Aug 2019 00:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	284531
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.4 12.6
54	6.4	5.0 7.4
68	3.9	3.8 5.8

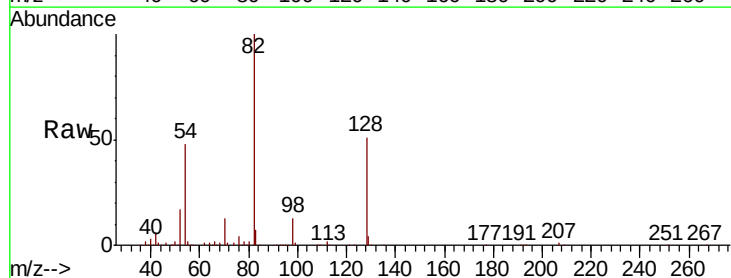


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

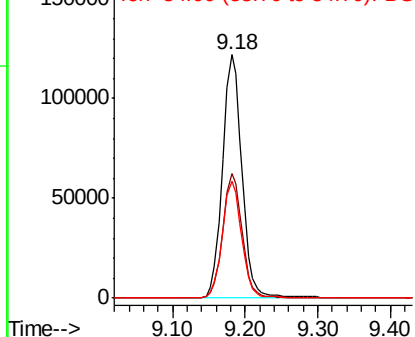
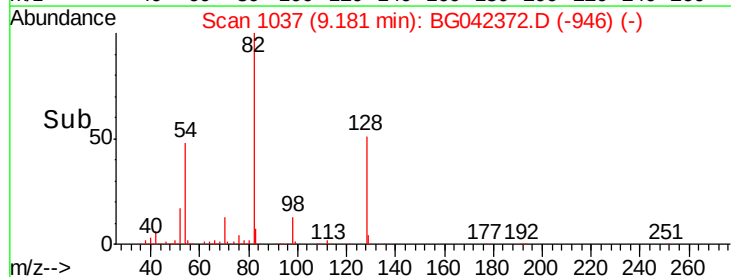


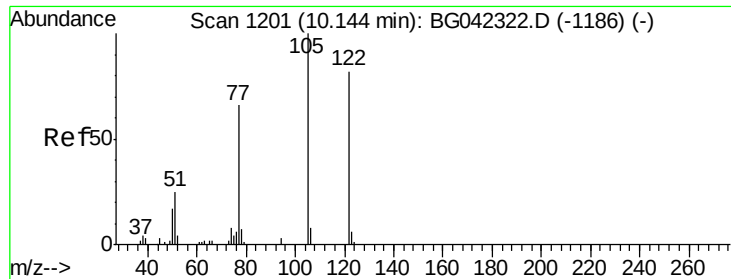
#23
Nitrobenzene-d5
Concen: 56.501 ng
RT: 9.18 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BG042372.D
Acq: 21 Aug 2019 00:26

Tgt Ion: 82	Resp:	228574
Ion Ratio	Lower	Upper
82	100	
128	51.1	41.0 61.4
54	47.9	38.0 57.0



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

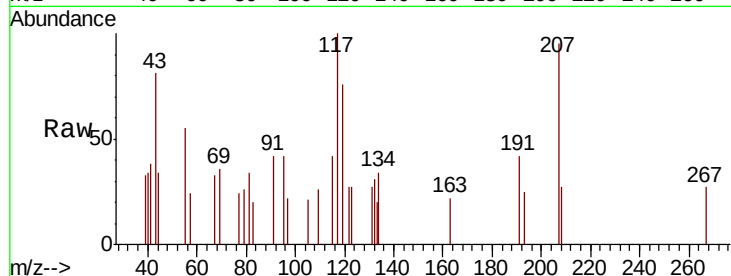




#32
Benzoic acid
Concen: 7.804 ng
RT: 10.24 min Scan# 1217
Delta R.T. 0.09 min
Lab File: BG042372.D
Acq: 21 Aug 2019 00:26

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
122	100		
105	76.6	97.7	137.7#
77	86.1	58.4	98.4

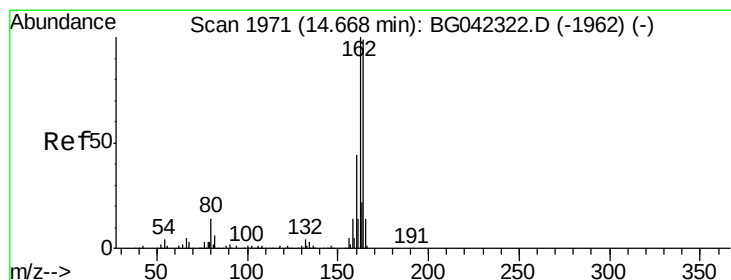
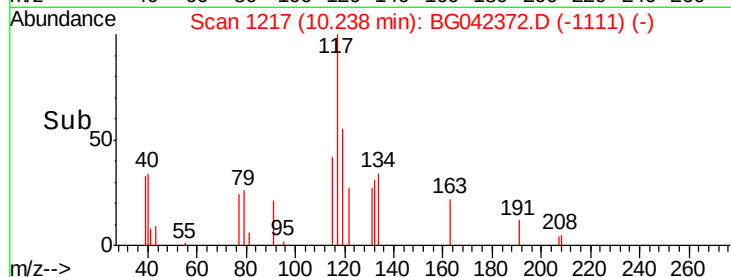
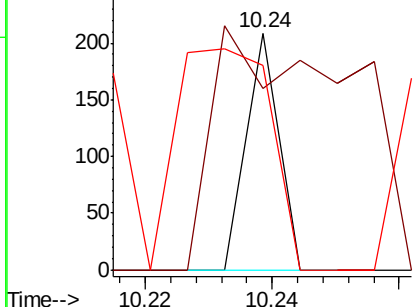


Abundance

Ion 122.00 (121.70 to 122.70): E

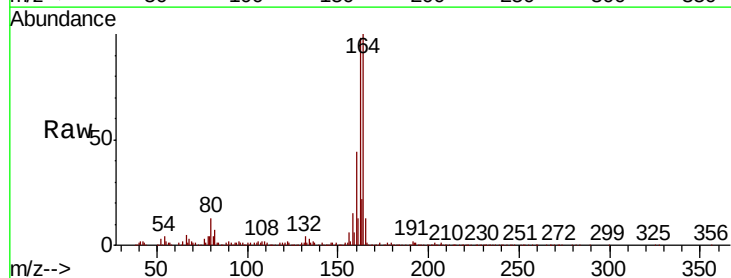
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1972
Delta R.T. 0.01 min
Lab File: BG042372.D
Acq: 21 Aug 2019 00:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.3	80.6	120.8
160	44.2	35.7	53.5

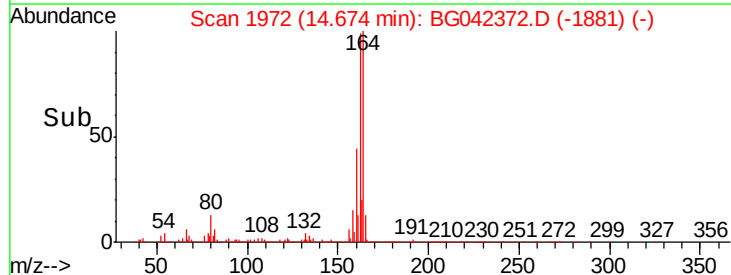
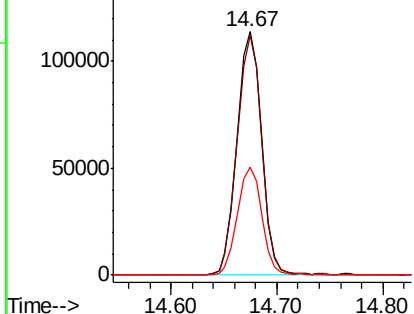


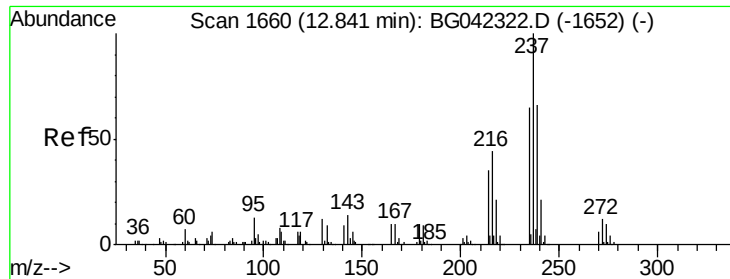
Abundance

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

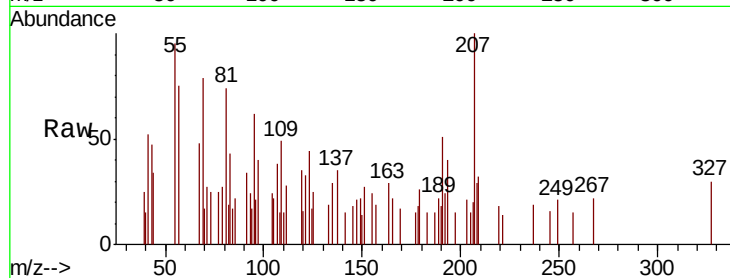




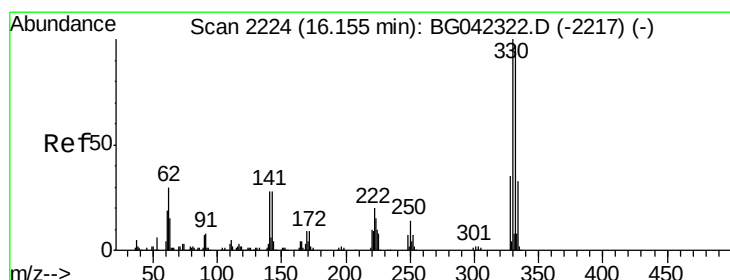
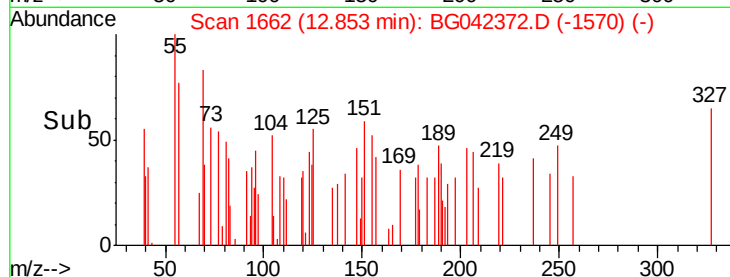
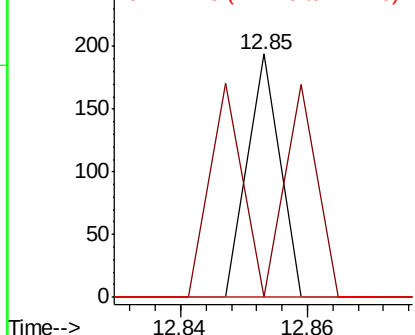
#41
Hexachlorocyclopentadiene
Concen: 6.414 ng
RT: 12.85 min Scan# 1662
Delta R.T. 0.01 min
Lab File: BG042372.D
Acq: 21 Aug 2019 00:26

Instrument :
BNA_G
ClientSampled :

Tot Ion:237 Resp: 68
Ion Ratio Lower Upper
237 100
235 0.0 45.1 85.1#
272 0.0 0.0 32.3

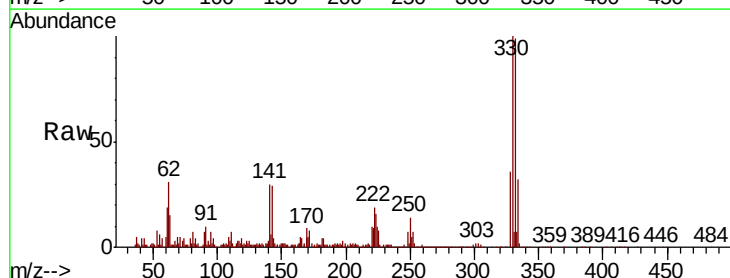


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

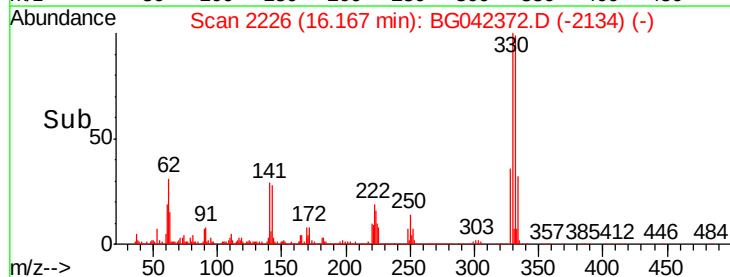
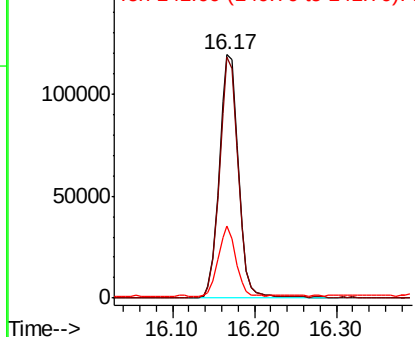


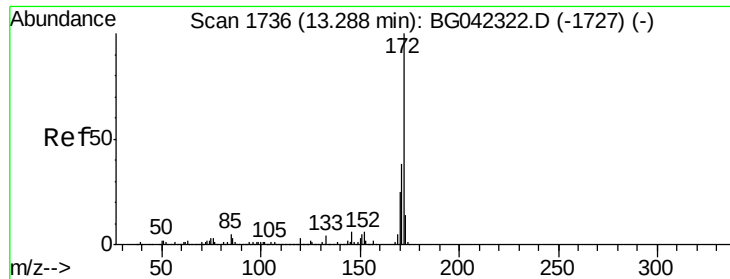
#42
2,4,6-Tribromophenol
Concen: 78.833 ng
RT: 16.17 min Scan# 2226
Delta R.T. 0.01 min
Lab File: BG042372.D
Acq: 21 Aug 2019 00:26

Tgt Ion:330 Resp: 195205
Ion Ratio Lower Upper
330 100
332 96.4 76.9 115.3
141 25.9 21.8 32.6



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

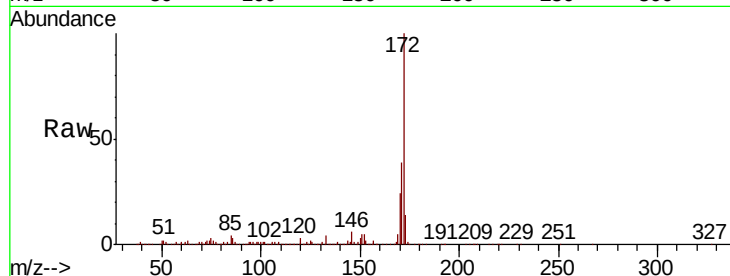




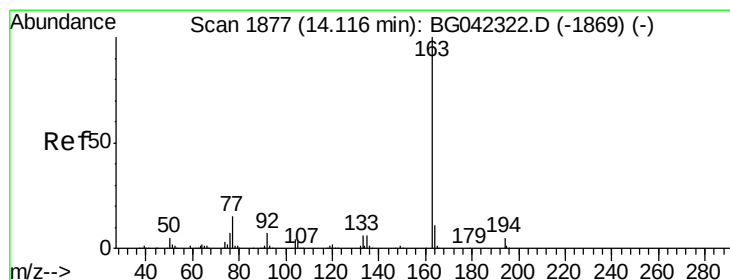
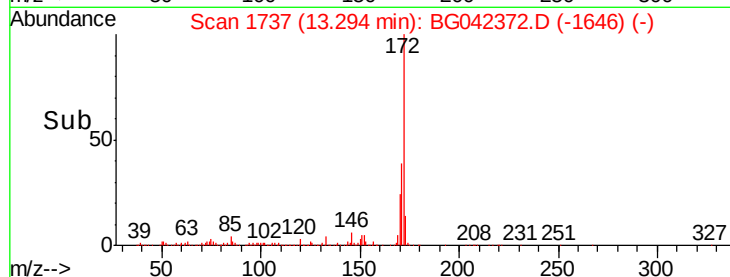
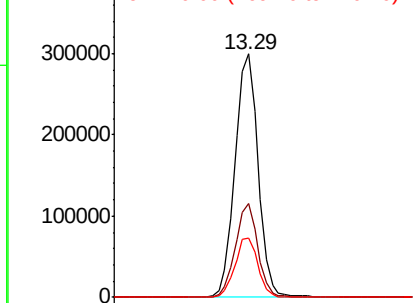
#45
2-Fluorobiphenyl
Concen: 44.303 ng
RT: 13.29 min Scan# 1737
Delta R.T. 0.01 min
Lab File: BG042372.D
Acq: 21 Aug 2019 00:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172	Resp: 476005
Ion Ratio	Lower Upper
172 100	
171 38.6	30.3 45.5
170 24.2	20.0 30.0

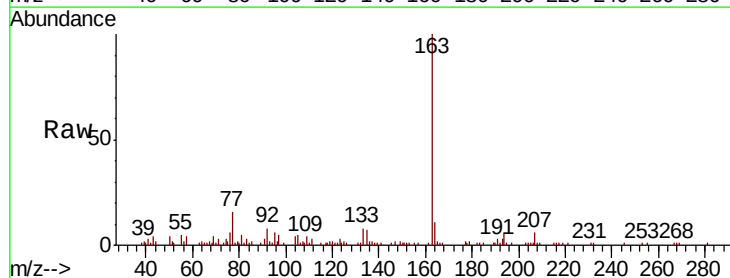


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

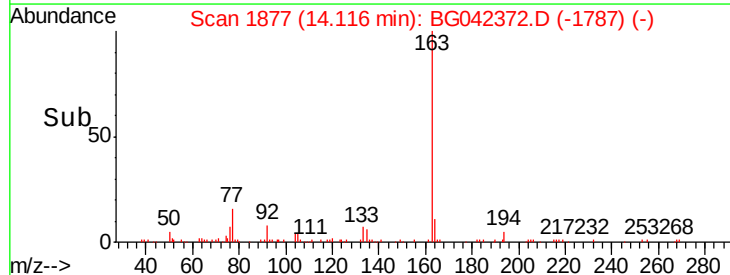
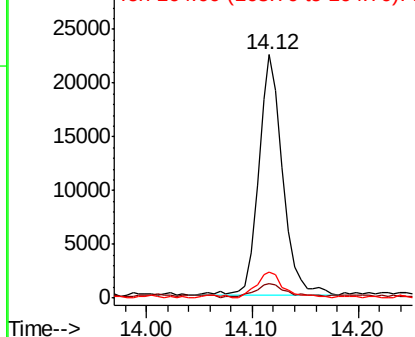


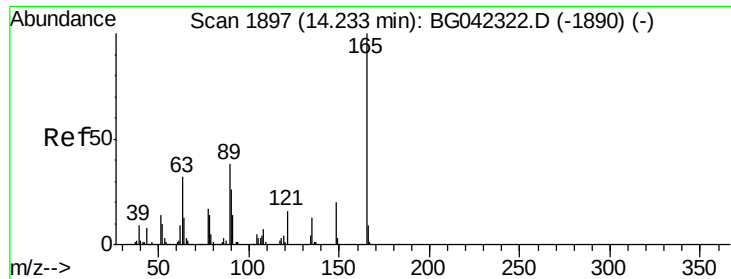
#50
Dimethylphthalate
Concen: 2.734 ng
RT: 14.12 min Scan# 1877
Delta R.T. 0.00 min
Lab File: BG042372.D
Acq: 21 Aug 2019 00:26

Tgt Ion	163	Resp: Lower	35316 Upper
	Ratio		
163	100		
194	5.8	4.2	6.2
164	10.7	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

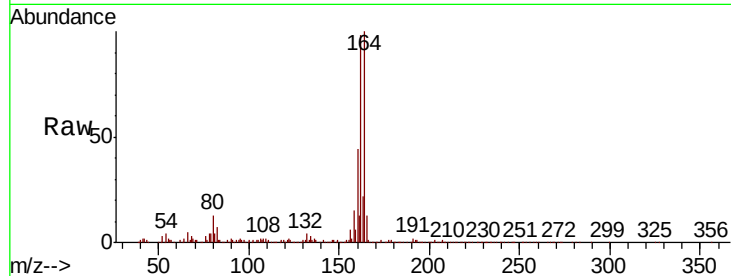




#51
 2,6-Dinitrotoluene
 Concen: 8.228 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. 0.44 min
 Lab File: BG042372.D
 Acq: 21 Aug 2019 00:26

Instrument :
 BNA_G
 ClientSampleId :

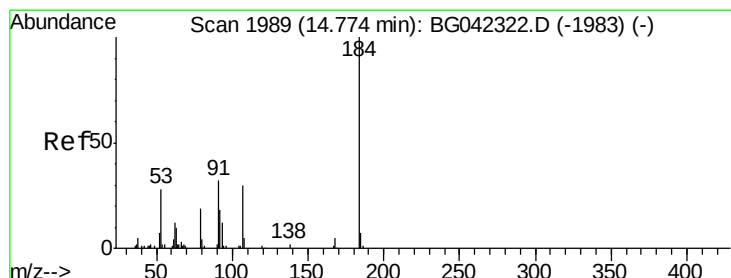
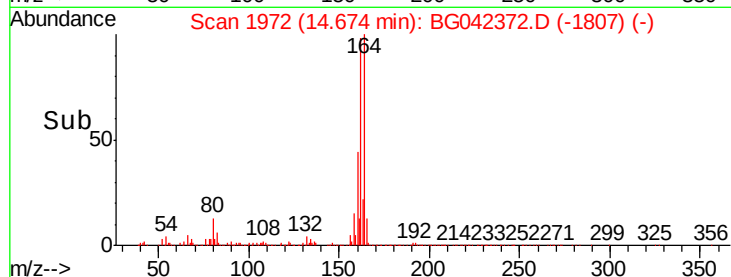
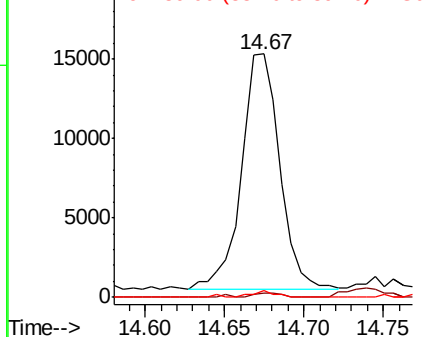
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	28.2	42.2#
89	2.7	30.0	45.0#



Abundance Ion 165.00 (164.70 to 165.70): E

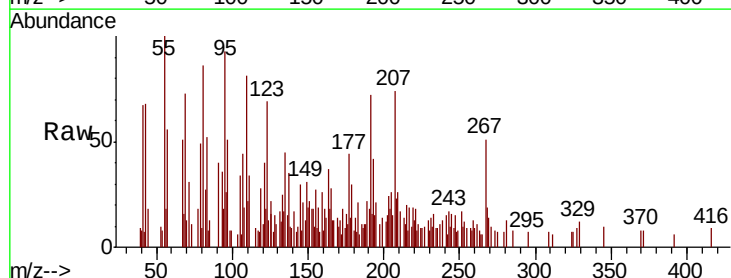
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#54
 2,4-Dinitrophenol
 Concen: 6.537 ng
 RT: 14.79 min Scan# 1991
 Delta R.T. 0.01 min
 Lab File: BG042372.D
 Acq: 21 Aug 2019 00:26

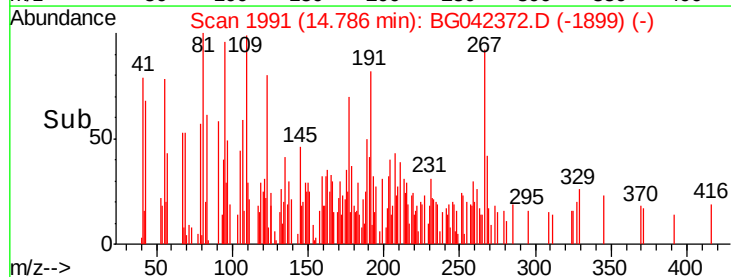
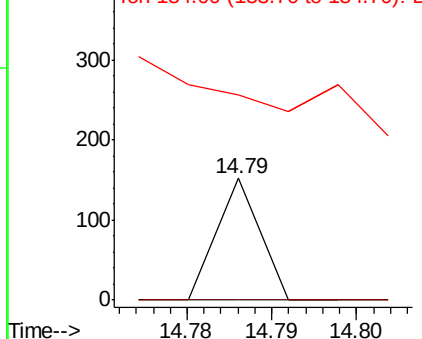
Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	30.2	45.4#
154	169.1	39.7	59.5#

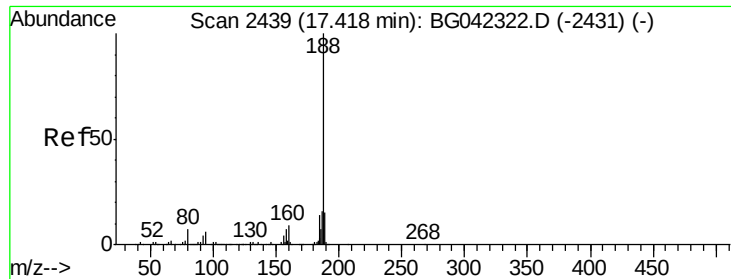


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. 0.01 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

Instrument :

BNA_G

ClientSampleId :

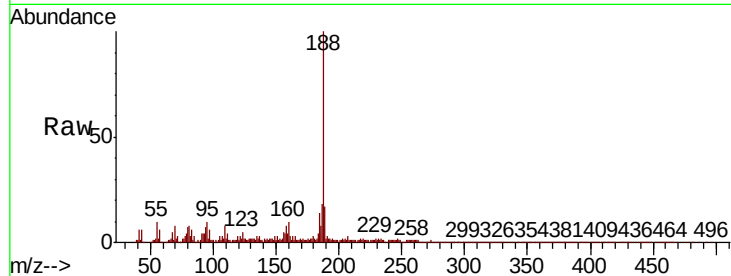
Tot Ion:188 Resp: 343479

Ion Ratio Lower Upper

188 100

94 6.8 4.9 7.3

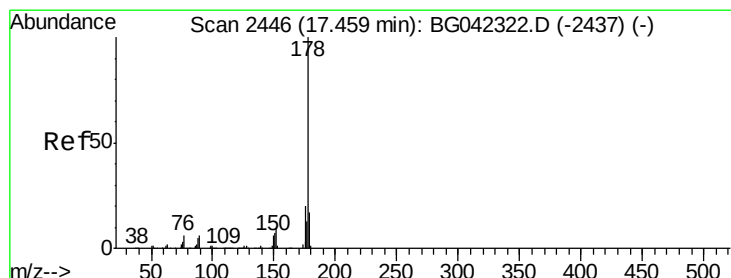
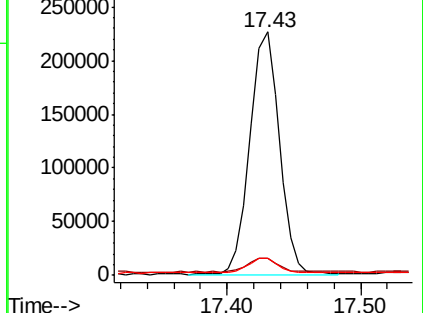
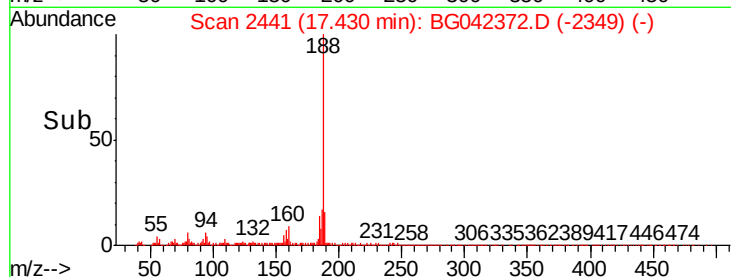
80 6.9 5.4 8.0



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



#71

Phenanthrene

Concen: 19.497 ng

RT: 17.47 min Scan# 2448

Delta R.T. 0.01 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

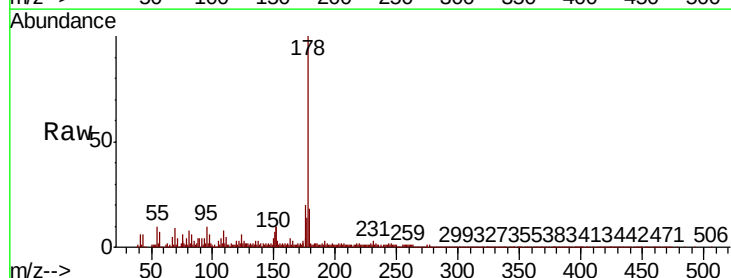
Tgt Ion:178 Resp: 333527

Ion Ratio Lower Upper

178 100

176 19.6 16.2 24.4

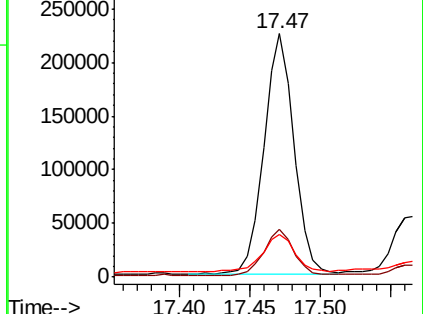
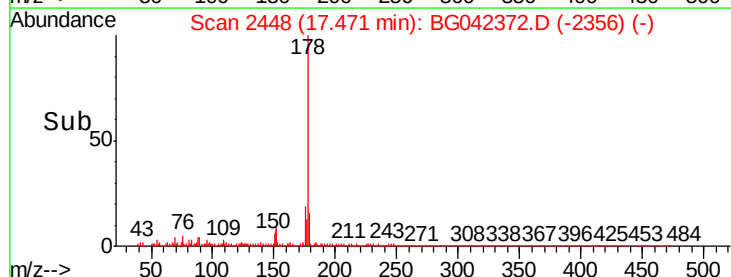
179 17.6 13.7 20.5

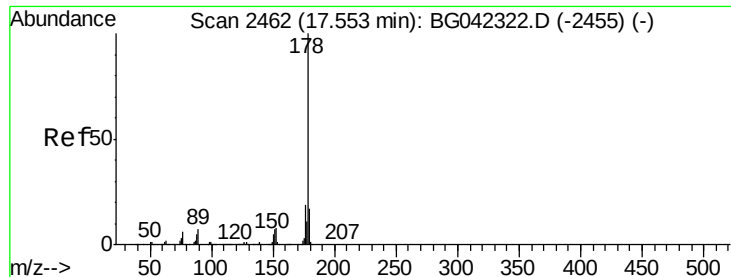


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 19.549 ng

RT: 17.47 min Scan# 2448

Delta R.T. -0.08 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

Instrument :

BNA_G

ClientSampleId :

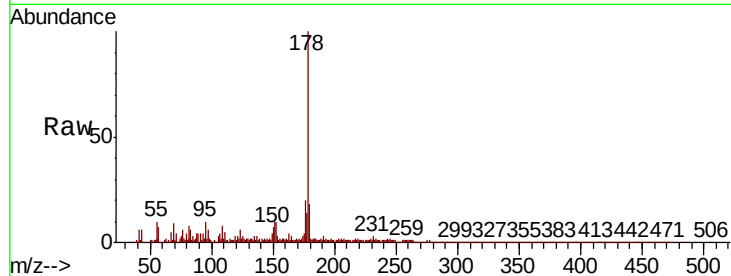
Tot Ion:178 Resp: 333527

Ion Ratio Lower Upper

178 100

176 19.6 15.5 23.3

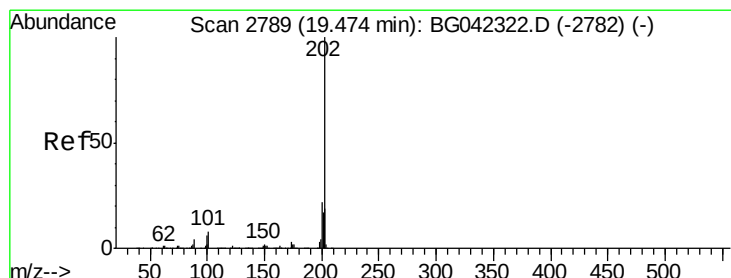
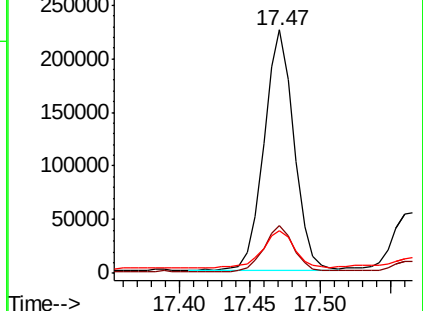
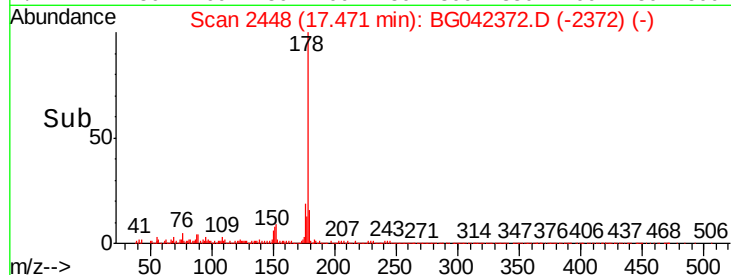
179 17.6 13.6 20.4



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: 28.928 ng

RT: 19.49 min Scan# 2791

Delta R.T. 0.01 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

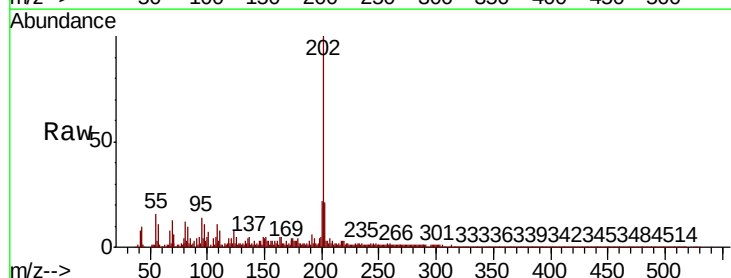
Tgt Ion:202 Resp: 596743

Ion Ratio Lower Upper

202 100

101 7.0 0.0 28.0

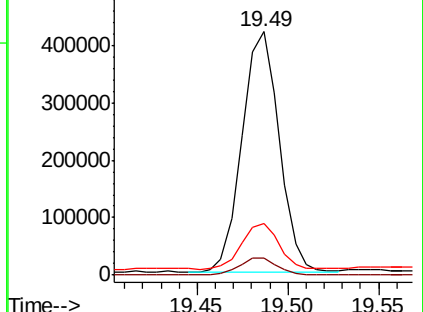
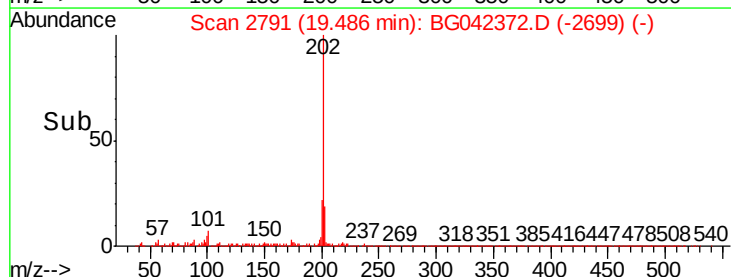
203 21.1 0.0 39.1

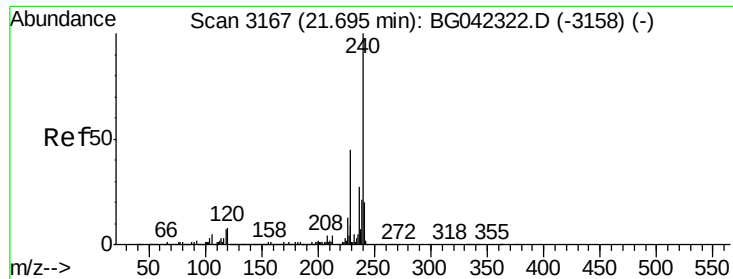


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.71 min Scan# 3169

Delta R.T. 0.01 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

Instrument :

BNA_G

ClientSampled :

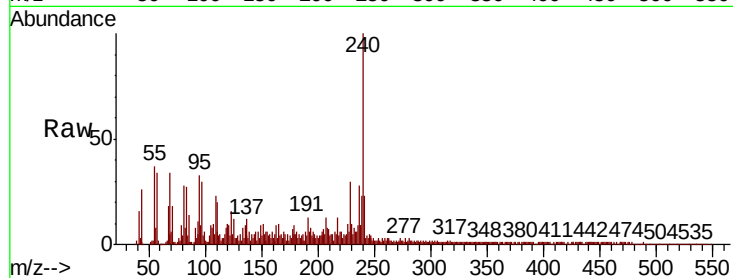
Tot Ion:240 Resp: 374247

Ion Ratio Lower Upper

240 100

120 9.5 6.0 9.0#

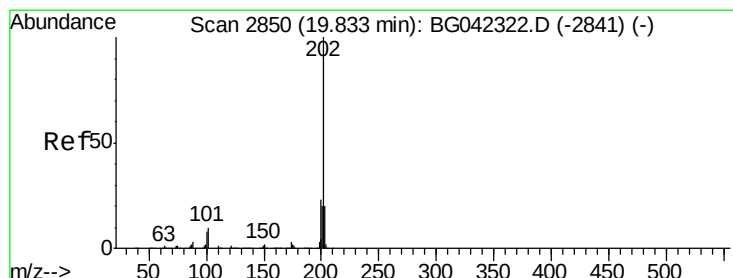
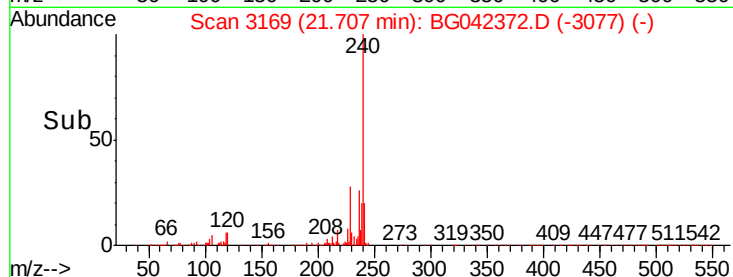
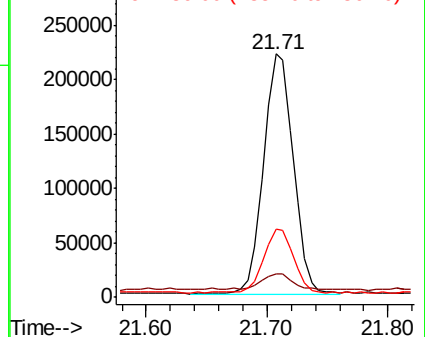
236 27.8 21.6 32.4



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: 24.201 ng

RT: 19.84 min Scan# 2852

Delta R.T. 0.01 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

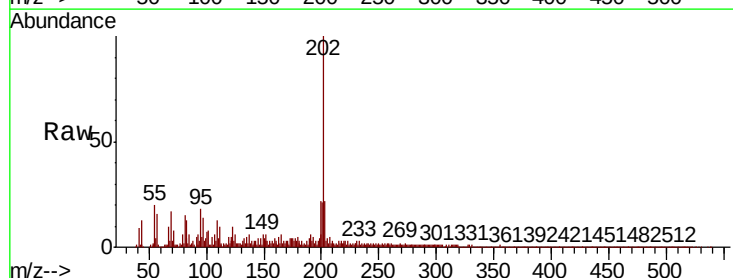
Tgt Ion:202 Resp: 557306

Ion Ratio Lower Upper

202 100

200 22.4 18.1 27.1

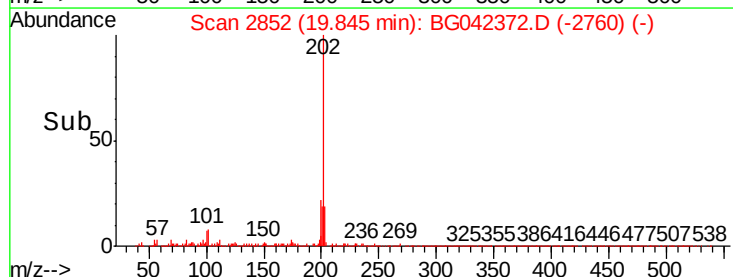
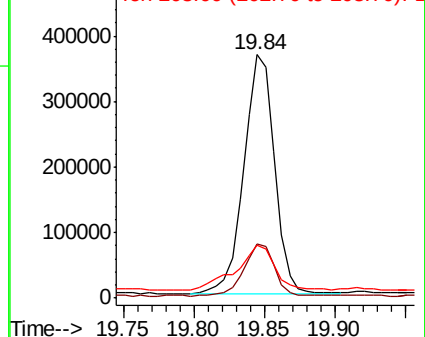
203 21.8 15.8 23.8

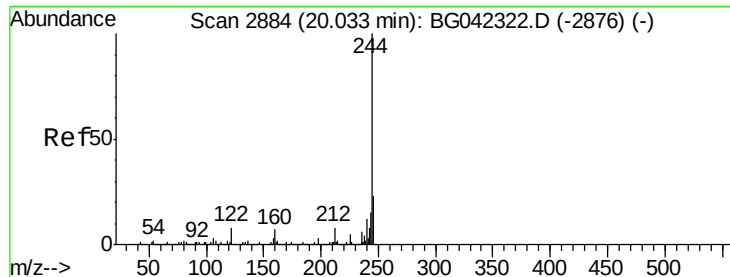


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 40.566 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.01 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

Instrument :

BNA_G

ClientSampleId :

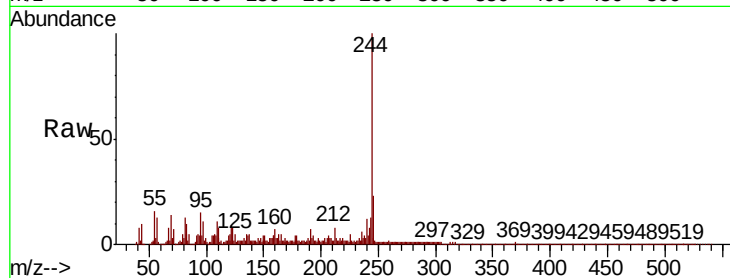
Tot Ion:244 Resp: 693131

Ion Ratio Lower Upper

244 100

212 7.5 6.4 9.6

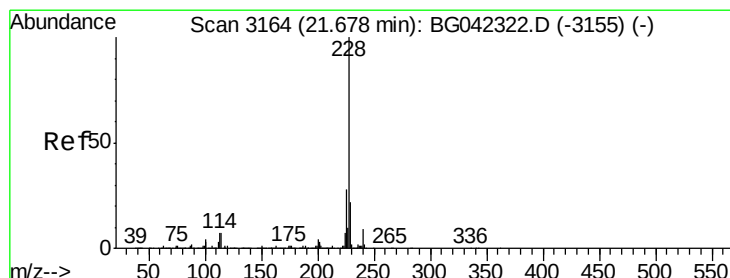
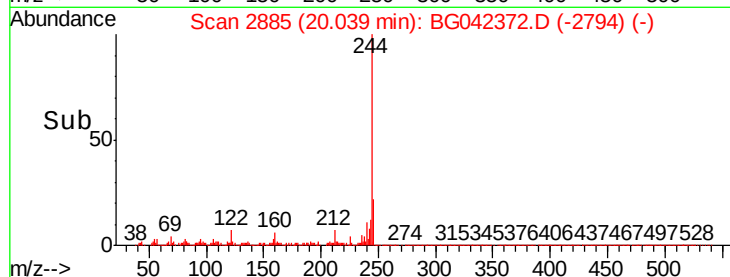
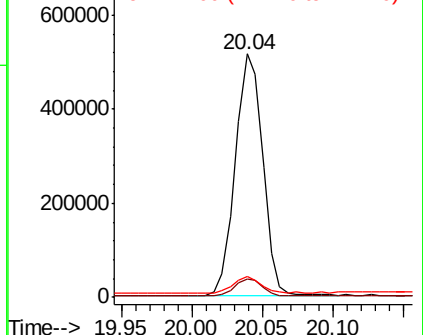
122 8.8 6.6 10.0



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: 15.351 ng

RT: 21.69 min Scan# 3166

Delta R.T. 0.01 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

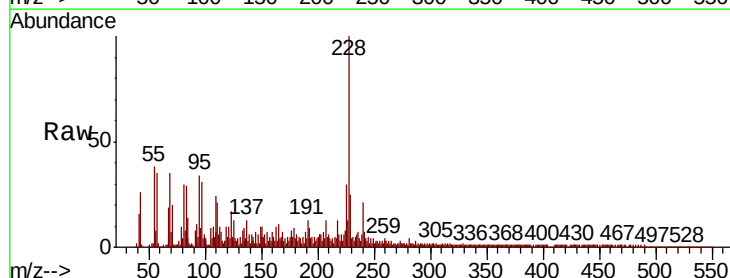
Tgt Ion:228 Resp: 352811

Ion Ratio Lower Upper

228 100

226 30.1 22.7 34.1

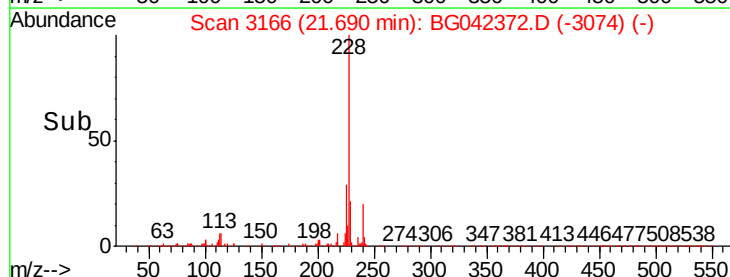
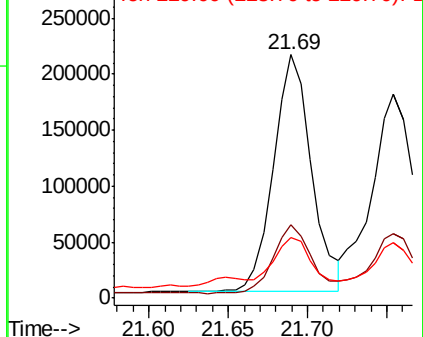
229 24.7 17.4 26.2

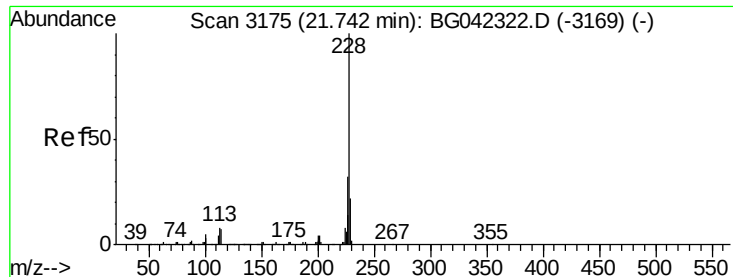


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

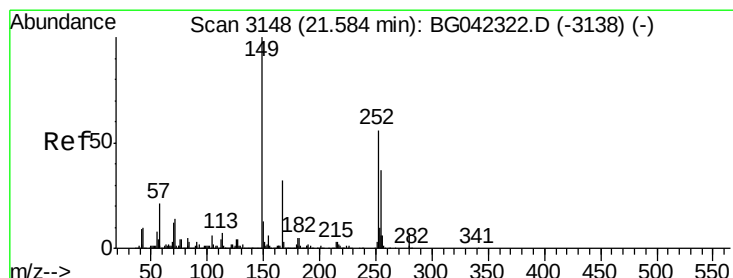
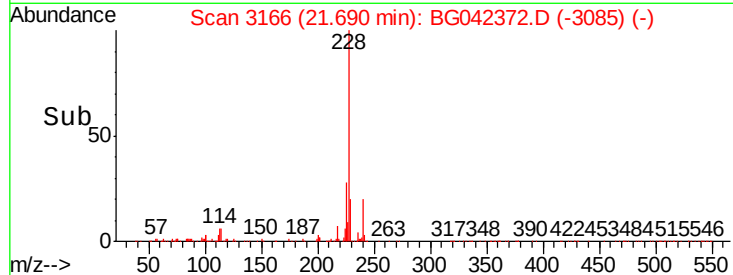
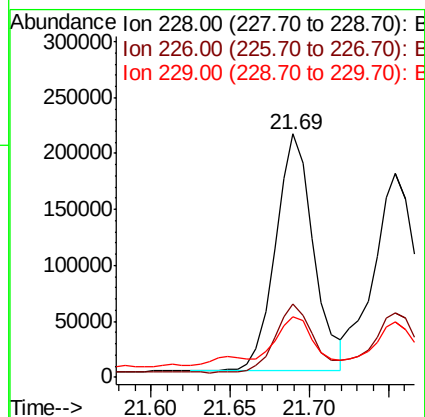
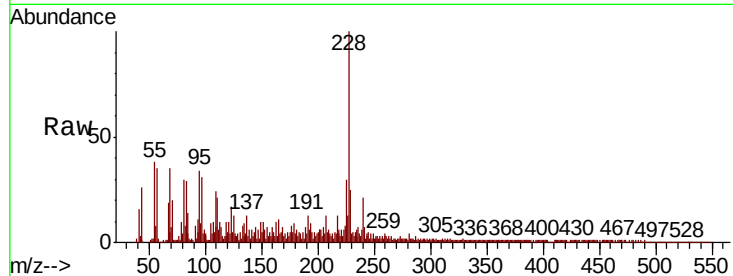




#83
 Chrysene
 Concen: 16.047 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.05 min
 Lab File: BG042372.D
 Acq: 21 Aug 2019 00:26

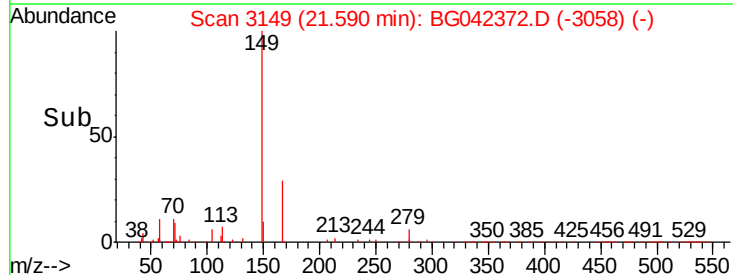
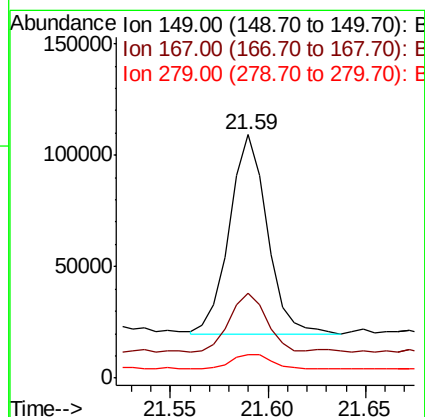
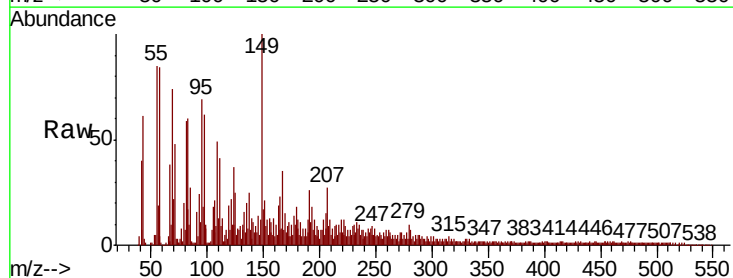
Instrument :
 BNA_G
 ClientSampleId :

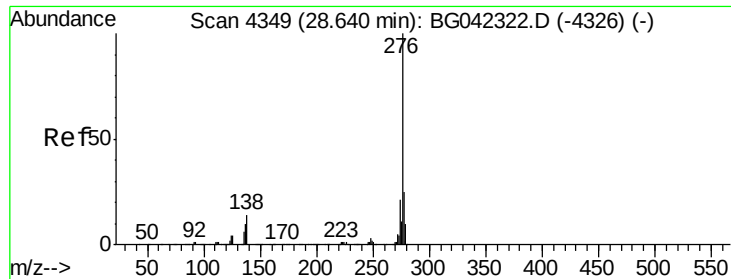
Tot Ion:228	Resp:	352811
Ion	Ratio	Lower Upper
228	100	
226	30.1	25.6 38.4
229	24.7	17.8 26.6



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 9.611 ng
 RT: 21.59 min Scan# 3149
 Delta R.T. 0.01 min
 Lab File: BG042372.D
 Acq: 21 Aug 2019 00:26

Tgt Ion:149	Resp:	122303
Ion	Ratio	Lower Upper
149	100	
167	34.7	25.4 38.0
279	9.5	5.8 8.6#

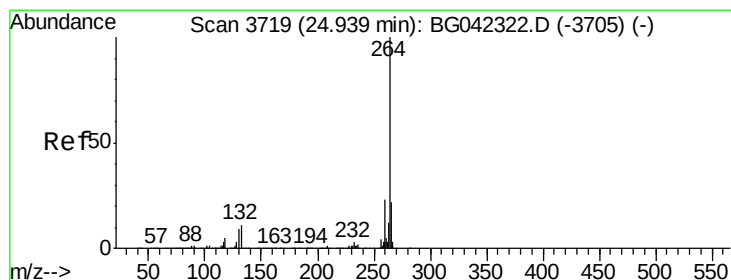
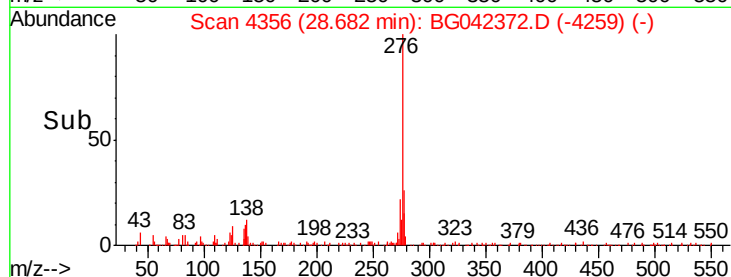
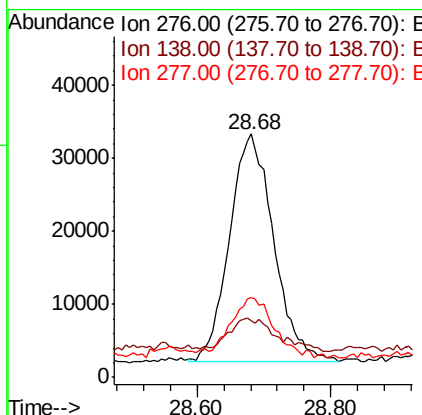
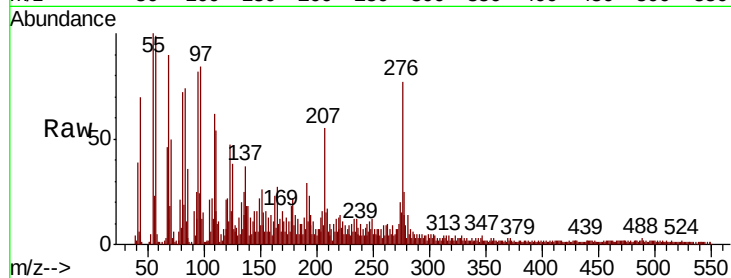




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.861 ng
 RT: 28.68 min Scan# 4356
 Delta R.T. 0.04 min
 Lab File: BG042372.D
 Acq: 21 Aug 2019 00:26

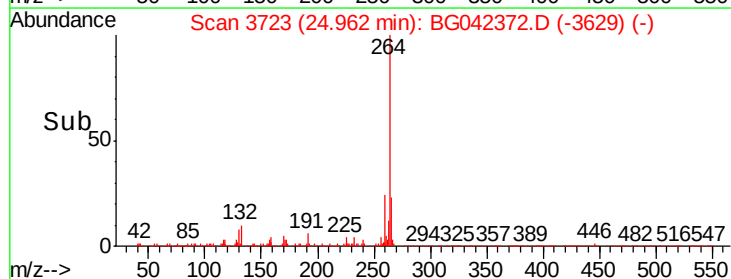
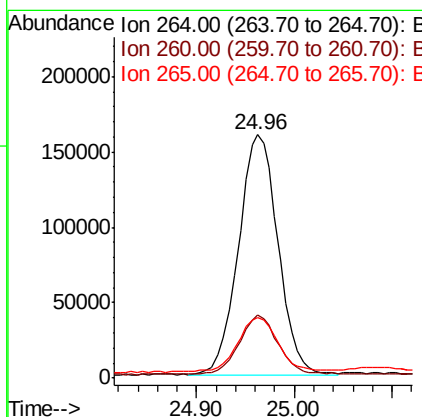
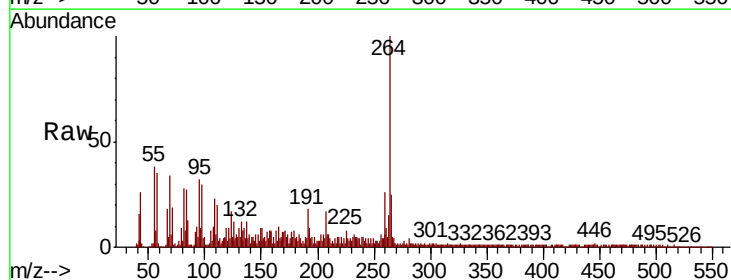
Instrument :
 BNA_G
 ClientSampleId :

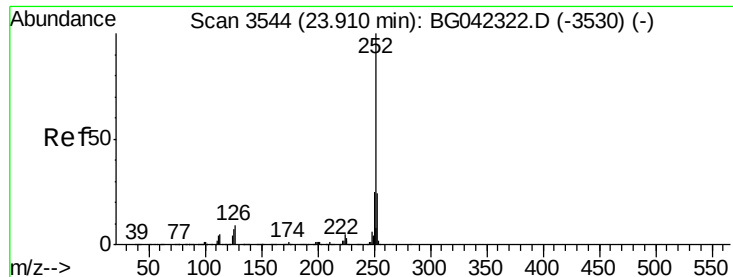
Tot Ion	Ratio	Lower	Upper
276	100		
138	15.9	14.5	21.7
277	23.7	21.0	31.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.96 min Scan# 3723
 Delta R.T. 0.02 min
 Lab File: BG042372.D
 Acq: 21 Aug 2019 00:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	18.4	27.6
265	24.8	17.4	26.0





#88

Benzo(b)fluoranthene

Concen: 14.600 ng

RT: 23.93 min Scan# 3548

Delta R.T. 0.02 min

Lab File: BG042372.D

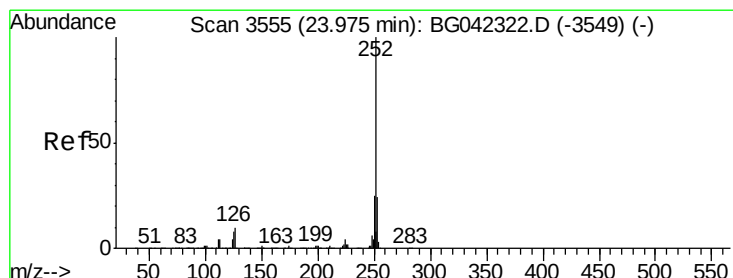
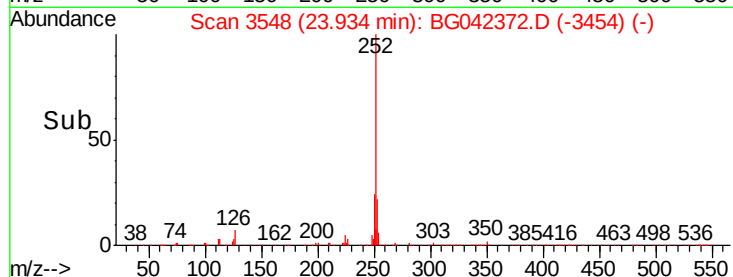
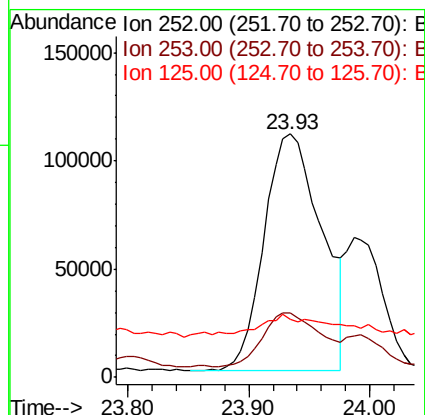
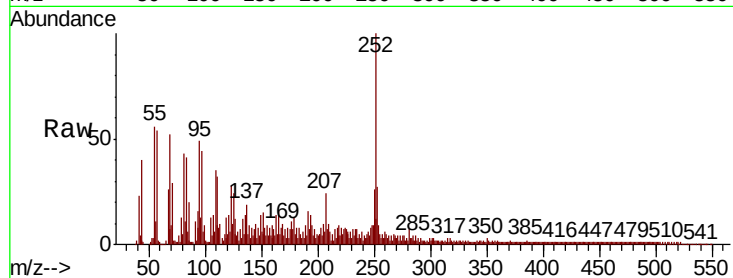
Acq: 21 Aug 2019 00:26

Instrument :

BNA_G

ClientSampled :

Tot Ion:252	Resp:	360931
Ion Ratio	Lower	Upper
252	100	
253	26.6	18.9 28.3
125	24.0	5.8 8.6#



#89

Benzo(k)fluoranthene

Concen: 14.936 ng

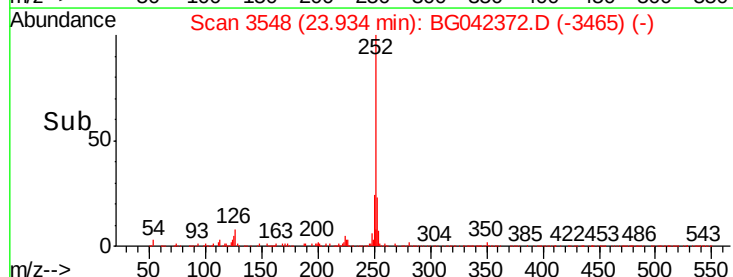
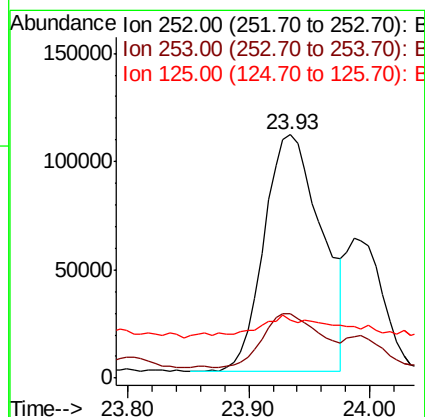
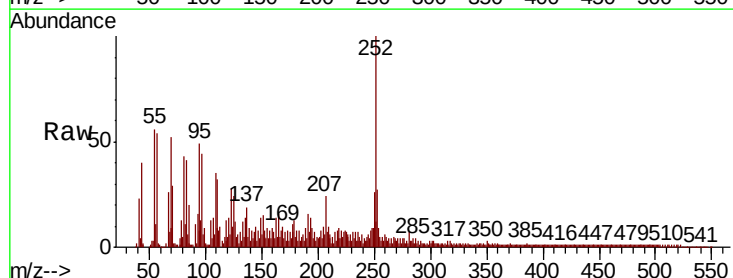
RT: 23.93 min Scan# 3548

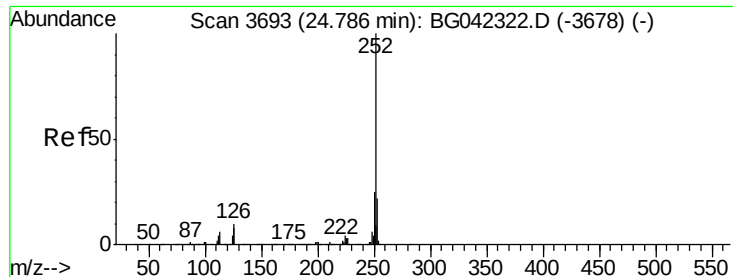
Delta R.T. -0.04 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

Tgt Ion:252	Resp:	360931
Ion Ratio	Lower	Upper
252	100	
253	26.6	19.0 28.4
125	24.0	6.0 9.0#





#90

Benzo(a)pyrene

Concen: 10.329 ng

RT: 24.81 min Scan# 3697

Delta R.T. 0.02 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

Instrument :

BNA_G

ClientSampleId :

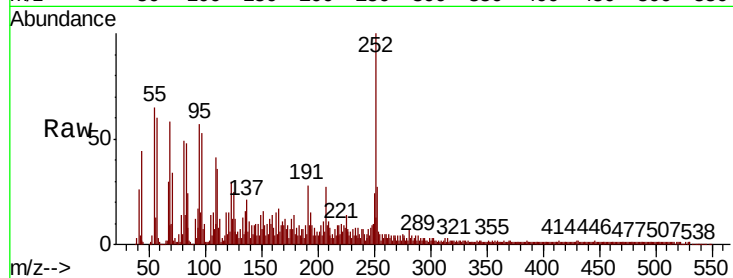
Tot Ion:252 Resp: 244680

Ion Ratio Lower Upper

252 100

253 26.6 17.9 26.9

125 25.5 6.7 10.1#

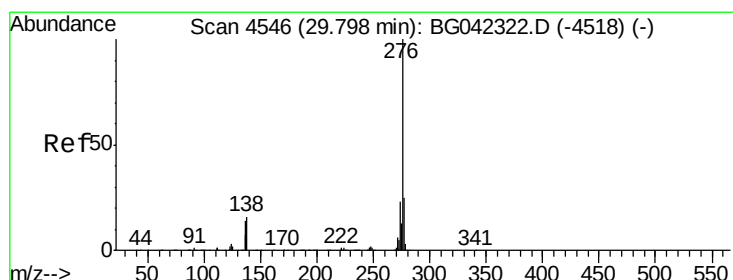
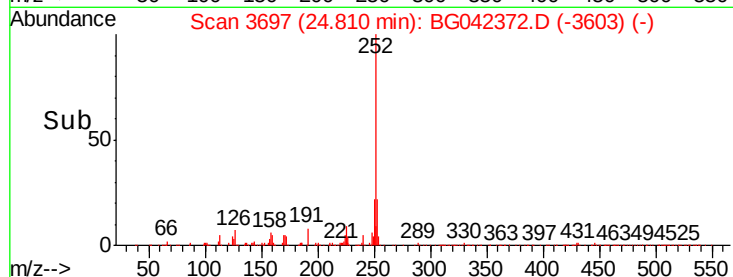
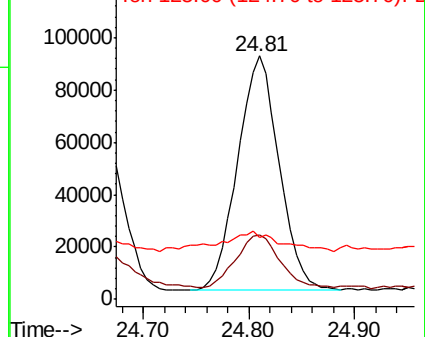


Abundance

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: 5.628 ng

RT: 29.84 min Scan# 4553

Delta R.T. 0.04 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

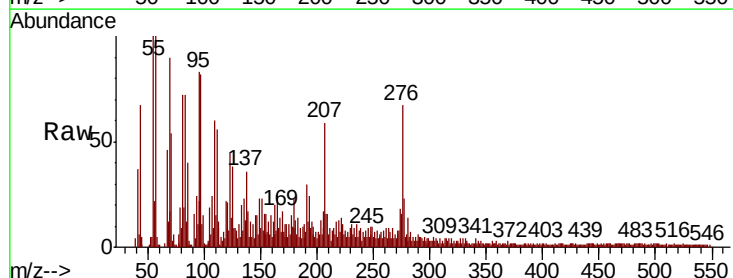
Tgt Ion:276 Resp: 132534

Ion Ratio Lower Upper

276 100

277 33.6 19.8 29.8#

138 24.1 12.8 19.2#



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

