

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082219\
 Data File : BG042422.D
 Acq On : 23 Aug 2019 4:36
 Operator : HP/JU
 Sample : K4087-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 23 05:32:40 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	122640	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	478161	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	307336	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	606595	20.00	ng	0.00
76) Chrysene-d12	21.69	240	585115	20.00	ng	0.00
87) Perylene-d12	24.94	264	702973	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	672935	111.13	ng	0.00
7) Phenol-d6	7.17	99	929019	113.58	ng	0.00
23) Nitrobenzene-d5	9.17	82	528967	76.45	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	371379	85.02	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1341177	73.81	ng	0.00
79) Terphenyl-d14	20.03	244	1764509	65.20	ng	0.00

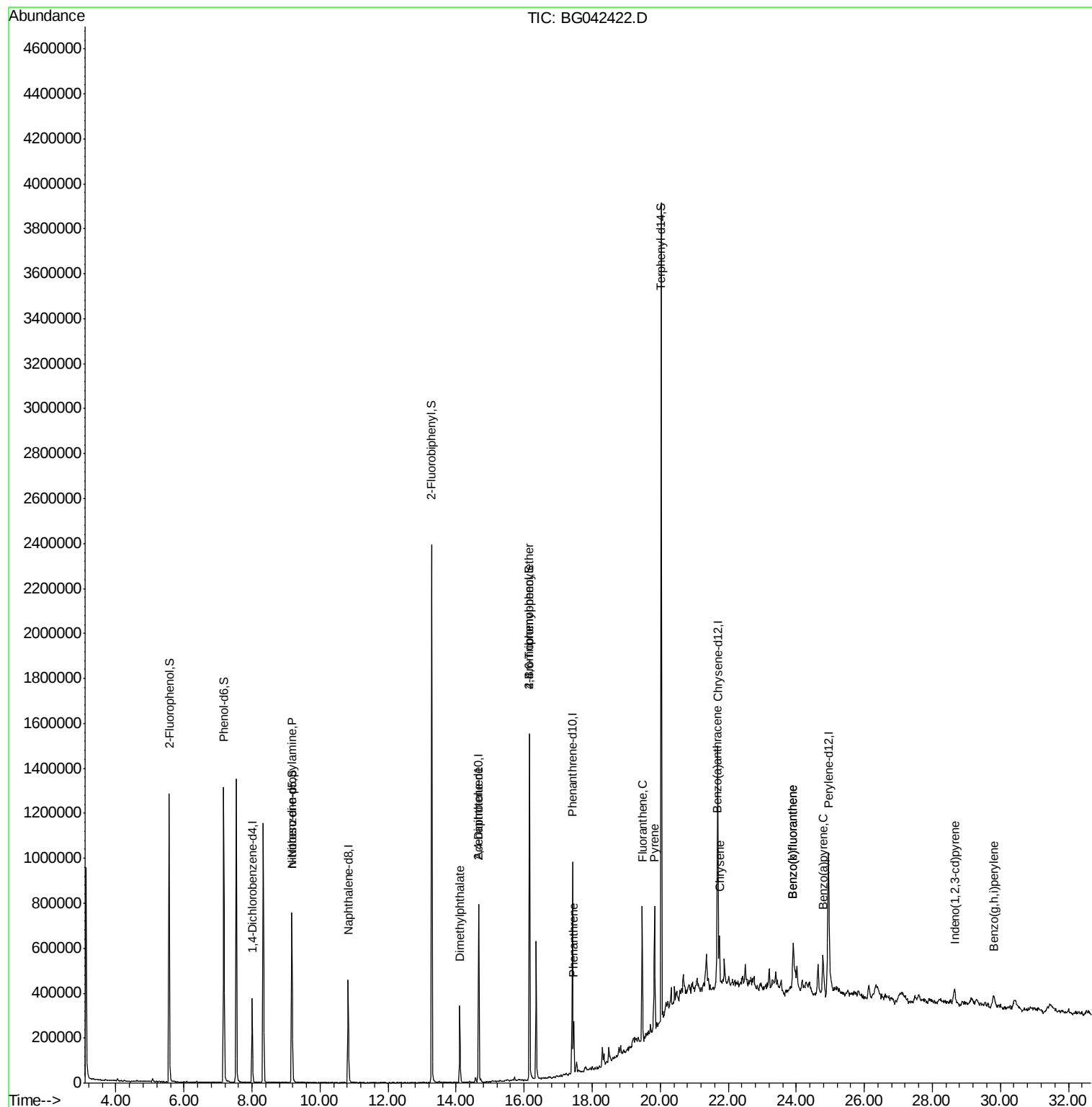
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.17	70	64253	12.125	ng	# 77
50) Dimethylphthalate	14.11	163	277357	12.507	ng	100
57) 2,4-Dinitrotoluene	14.66	165	42856	5.822	ng	# 40
67) 4-Bromophenyl-phenylether	16.16	248	27160	3.530	ng	# 1
71) Phenanthrene	17.46	178	148243	4.920	ng	98
75) Fluoranthene	19.47	202	403639	10.977	ng	96
78) Pyrene	19.83	202	369548	10.302	ng	98
81) Benzo(a)anthracene	21.67	228	176957	4.972	ng	98
83) Chrysene	21.74	228	182942	5.329	ng	97
86) Indeno(1,2,3-cd)pyrene	28.65	276	128163	2.747	ng	# 92
88) Benzo(b)fluoranthene	23.91	252	267176	6.913	ng	# 93
89) Benzo(k)fluoranthene	23.91	252	267176	7.192	ng	# 93
90) Benzo(a)pyrene	24.79	252	197140	5.376	ng	# 91
92) Benzo(a,h,i)perylene	29.80	276	133188	3.586	ng	# 89

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

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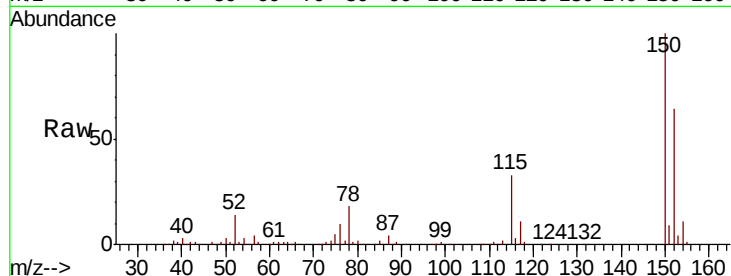


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG042422.D
Acq: 23 Aug 2019 4:36

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	125.4	188.0
115	51.5	38.5	57.7

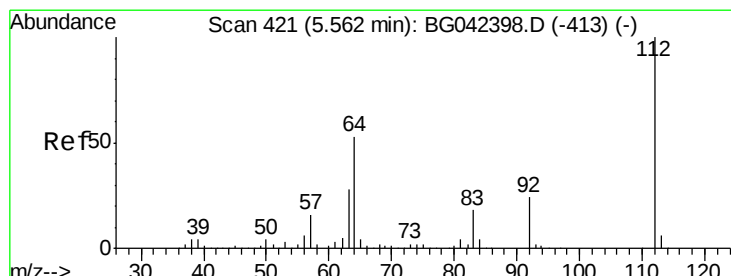
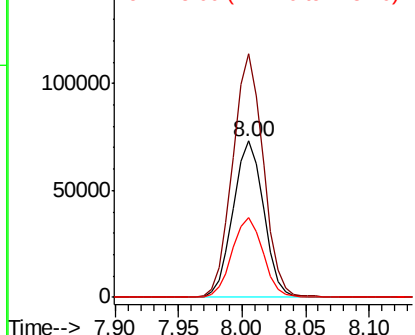
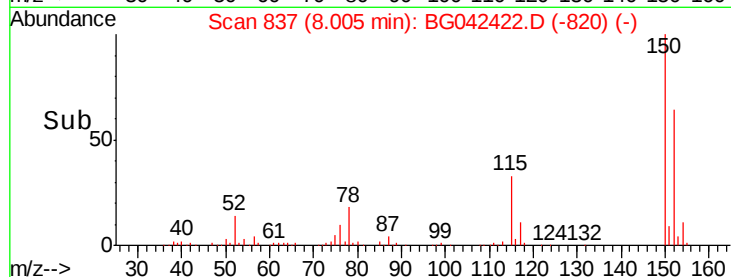


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

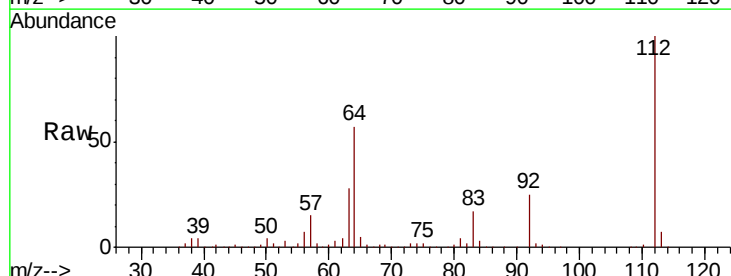
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 111.129 ng
RT: 5.56 min Scan# 421
Delta R.T. -0.00 min
Lab File: BG042422.D
Acq: 23 Aug 2019 4:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	42.8	64.2
63	28.3	22.7	34.1

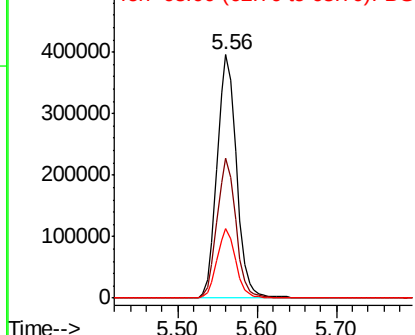
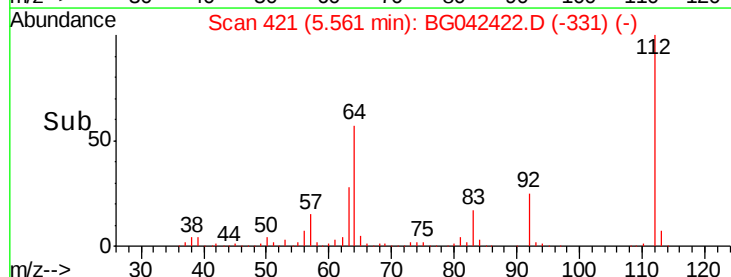


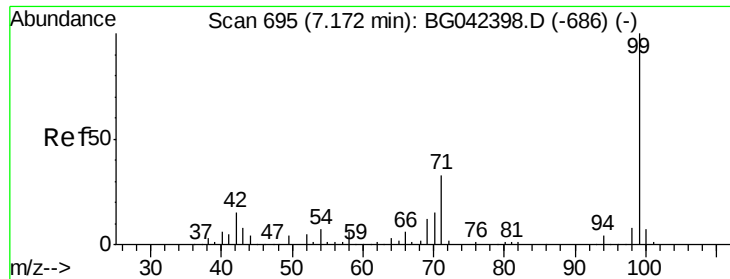
Abundance

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: 113.579 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG042422.D

Acq: 23 Aug 2019 4:36

Instrument :

BNA_G

ClientSampleId :

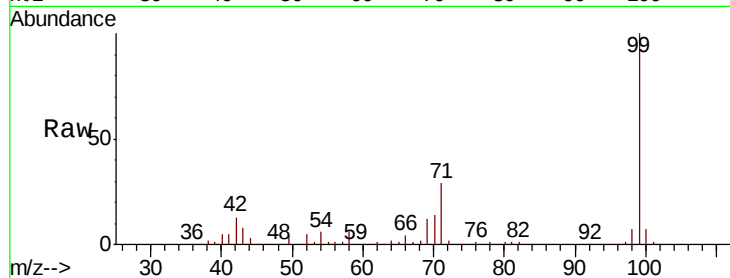
Tot Ion: 99 Resp: 929019

Ion Ratio Lower Upper

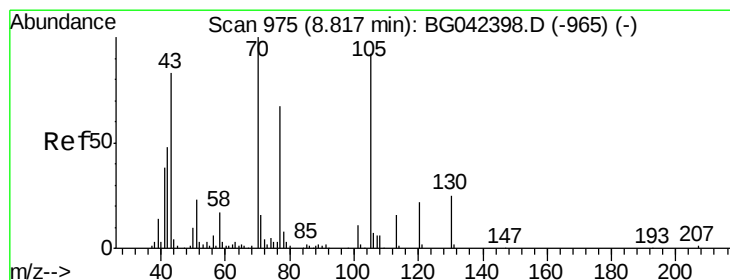
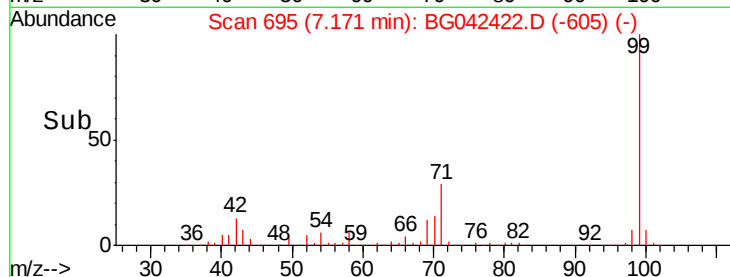
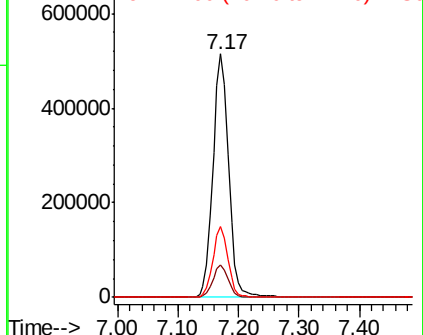
99 100

42 13.3 12.0 18.0

71 29.2 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: 12.125 ng

RT: 9.17 min Scan# 1036

Delta R.T. 0.36 min

Lab File: BG042422.D

Acq: 23 Aug 2019 4:36

Tgt Ion: 70 Resp: 64253

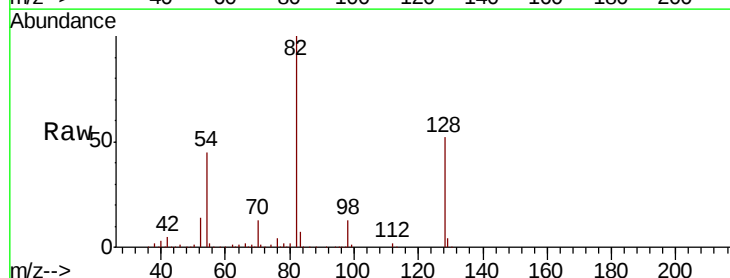
Ion Ratio Lower Upper

70 100

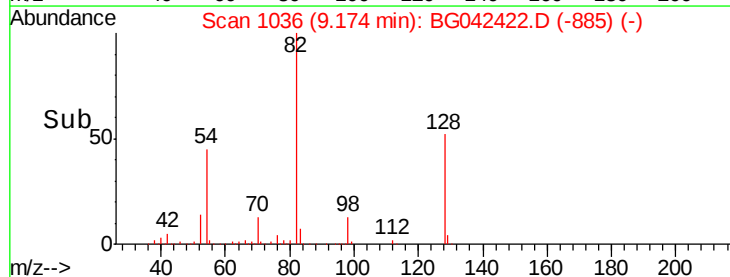
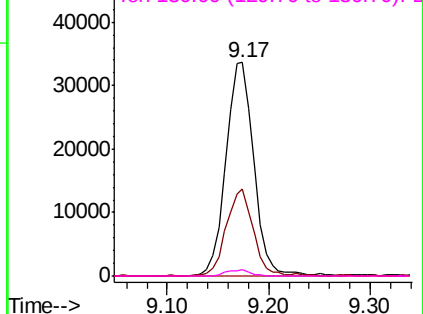
42 40.8 38.8 58.2

101 0.0 9.0 13.6#

130 3.0 20.0 30.0#



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

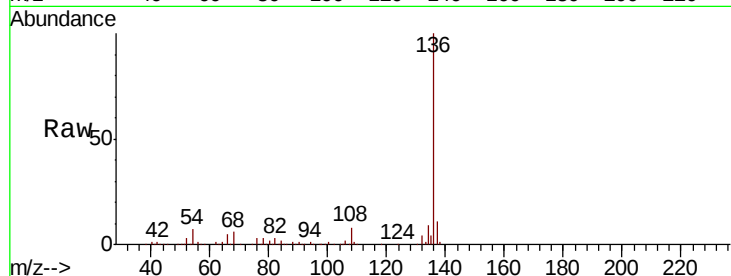




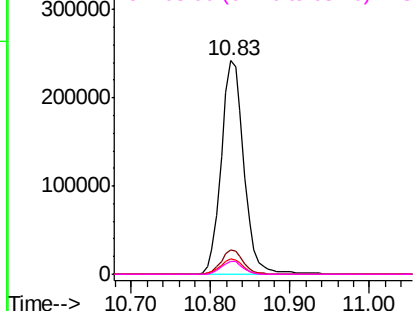
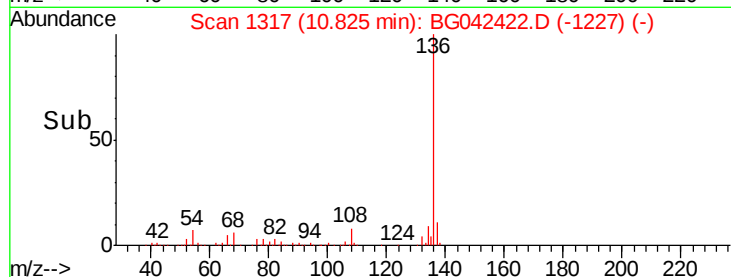
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG042422.D
Acq: 23 Aug 2019 4:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	478161
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.7 13.1
54	7.4	4.9 7.3#
68	6.0	3.6 5.4#

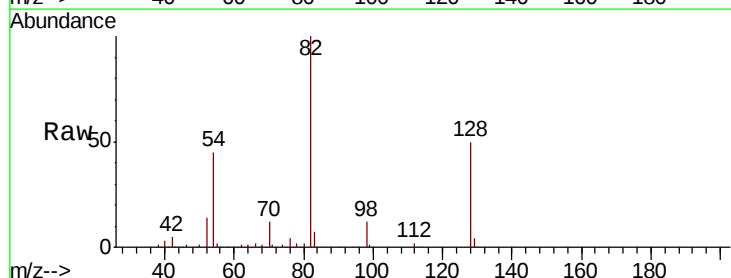


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

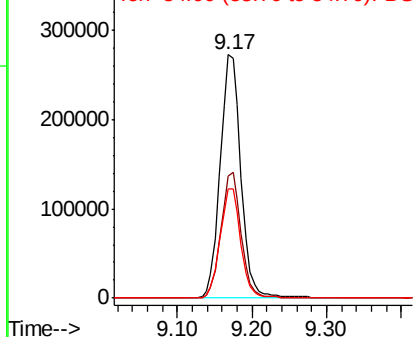
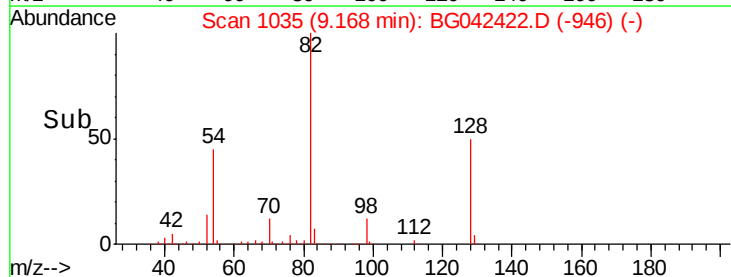


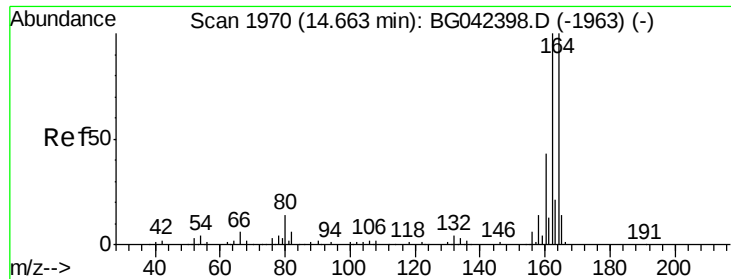
#23
Nitrobenzene-d5
Concen: 76.446 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042422.D
Acq: 23 Aug 2019 4:36

Tgt Ion: 82	Resp:	528967
Ion Ratio	Lower	Upper
82	100	
128	50.2	40.7 61.1
54	44.9	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

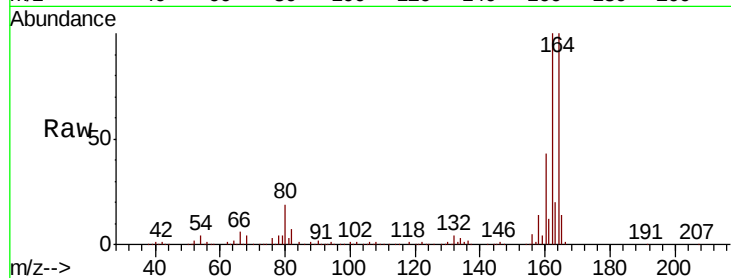




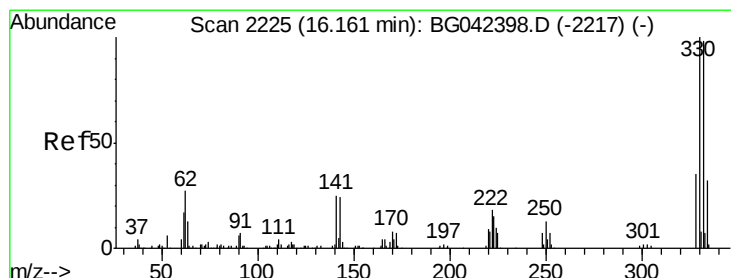
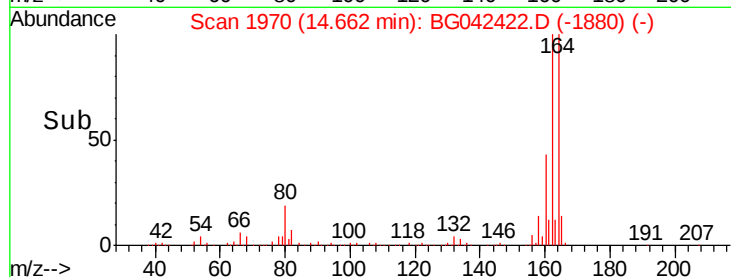
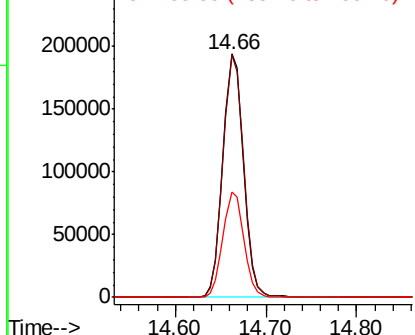
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG042422.D
Acq: 23 Aug 2019 4:36

Instrument :
BNA_G
ClientSampled :

Tot Ion:164 Resp: 307336
Ion Ratio Lower Upper
164 100
162 99.6 79.9 119.9
160 43.3 34.3 51.5

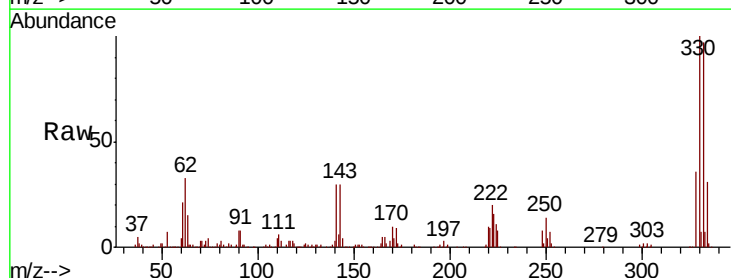


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

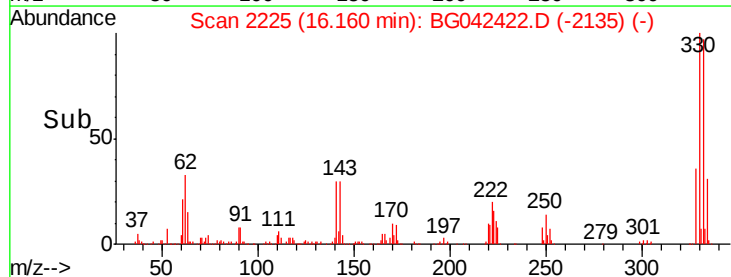
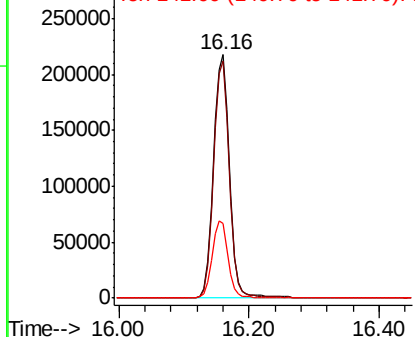


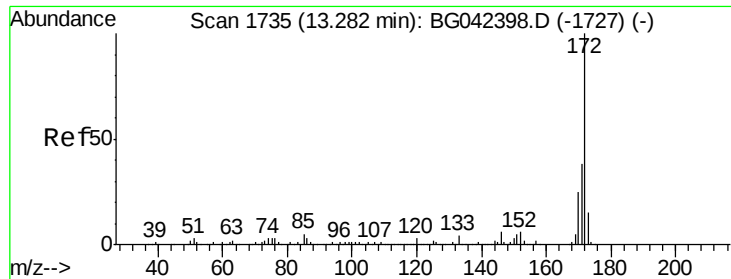
#42
2,4,6-Tribromophenol
Concen: 85.017 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BG042422.D
Acq: 23 Aug 2019 4:36

Tgt Ion:330 Resp: 371379
Ion Ratio Lower Upper
330 100
332 95.5 77.4 116.0
141 31.3 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

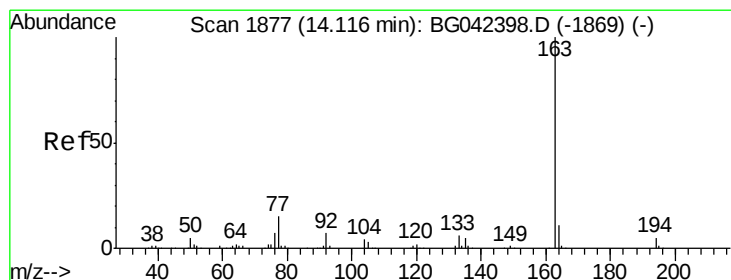
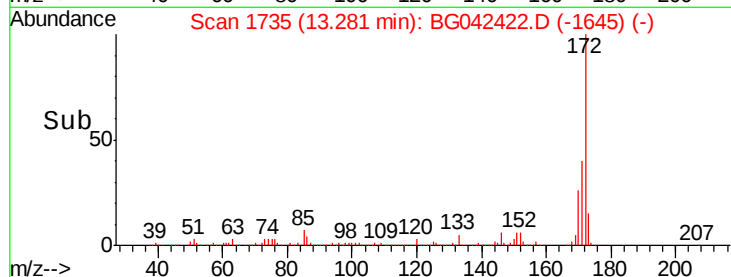
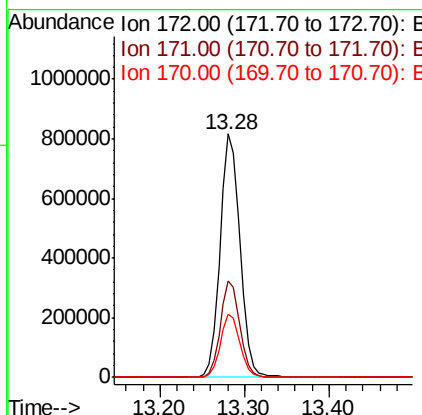
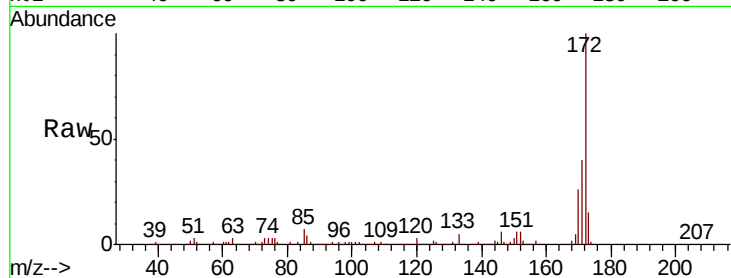




#45
2-Fluorobiphenyl
Concen: 73.806 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG042422.D
Acq: 23 Aug 2019 4:36

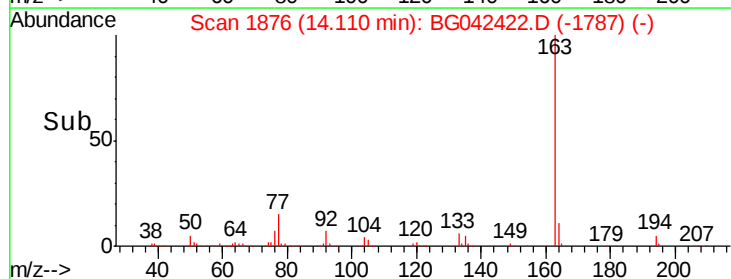
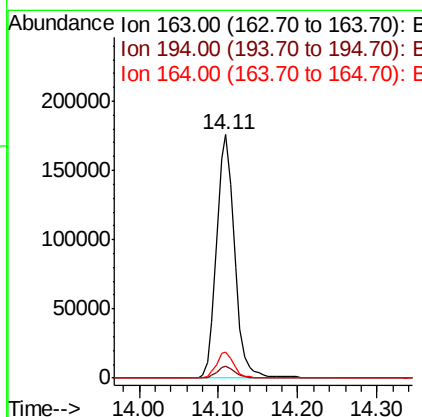
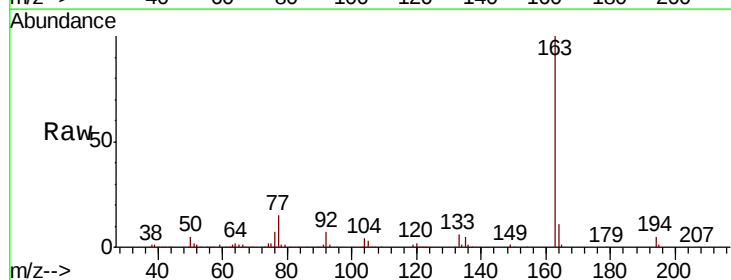
Instrument :
BNA_G
ClientSampled :

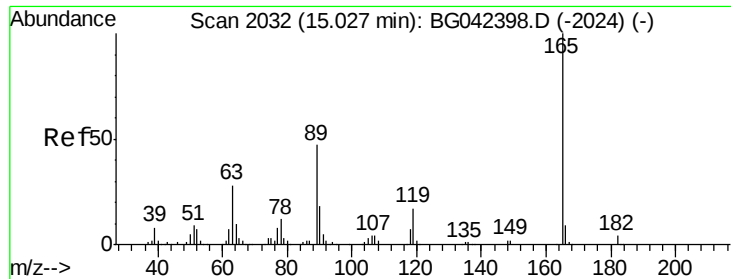
Tot Ion:172 Resp: 1341177
Ion Ratio Lower Upper
172 100
171 39.8 30.5 45.7
170 26.2 20.2 30.2



#50
Dimethylphthalate
Concen: 12.507 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042422.D
Acq: 23 Aug 2019 4:36

Tgt Ion:163 Resp: 277357
Ion Ratio Lower Upper
163 100
194 4.9 4.2 6.2
164 10.9 8.8 13.2

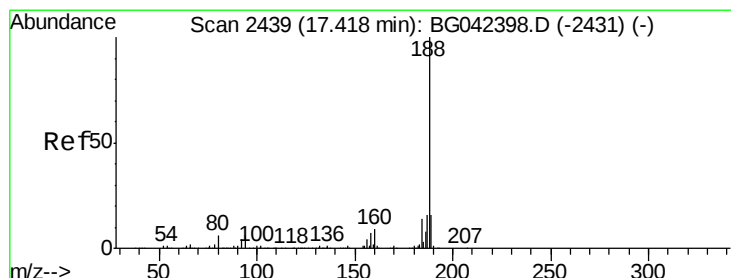
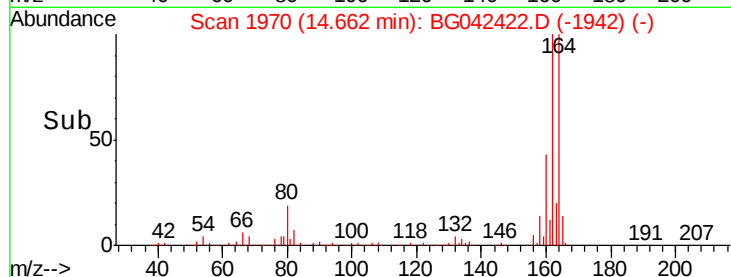
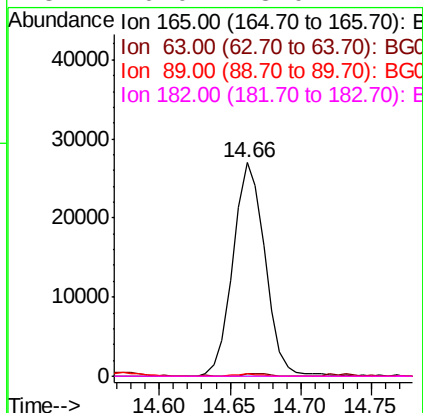
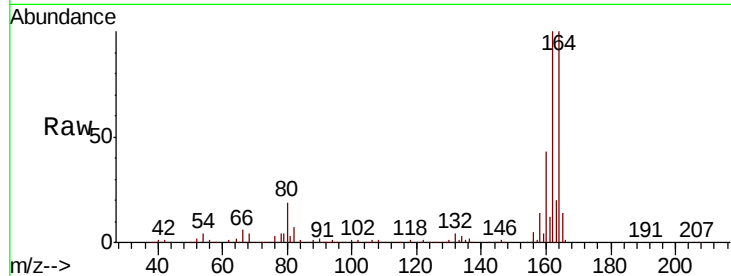




#57
 2,4-Dinitrotoluene
 Concen: 5.822 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.37 min
 Lab File: BG042422.D
 Acq: 23 Aug 2019 4:36

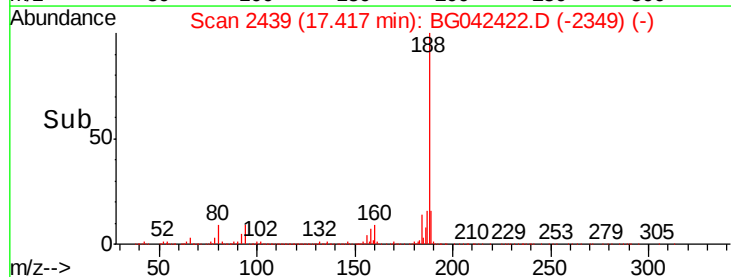
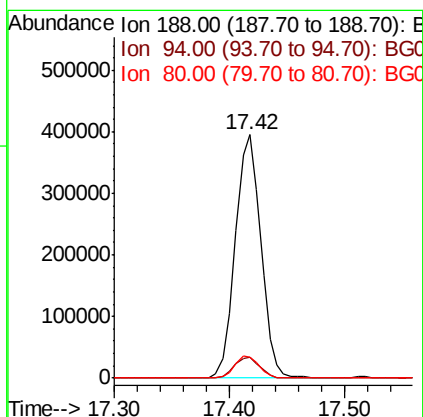
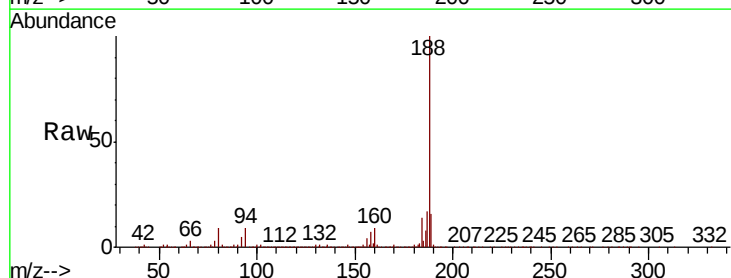
Instrument :
 BNA_G
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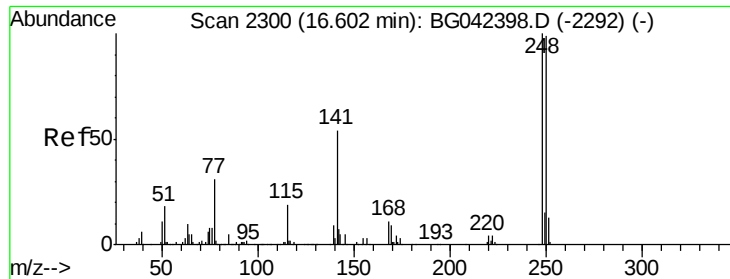
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	22.5	33.7#
89	1.3	37.8	56.6#
182	0.0	3.0	4.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.00 min
 Lab File: BG042422.D
 Acq: 23 Aug 2019 4:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	4.5	6.7#
80	8.6	4.9	7.3#

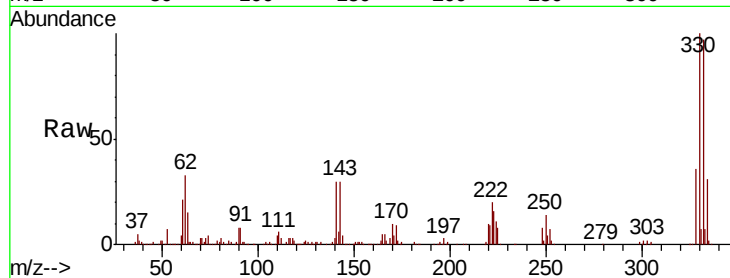




#67
 4-Bromophenyl-phenylether
 Concen: 3.530 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.44 min
 Lab File: BG042422.D
 Acq: 23 Aug 2019 4:36

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	182.9	78.9	118.3#
141	396.9	43.3	64.9#

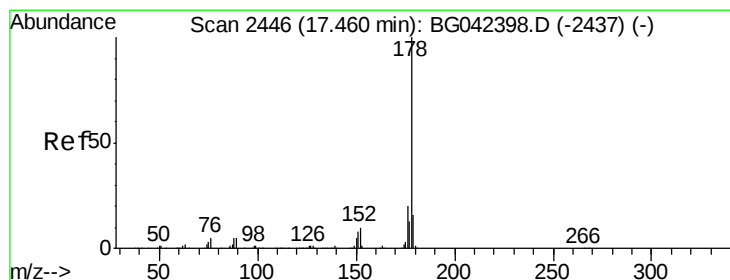
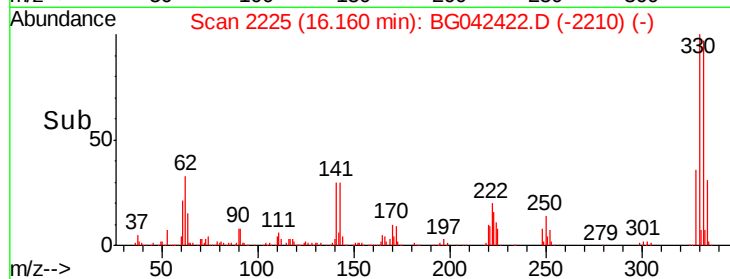
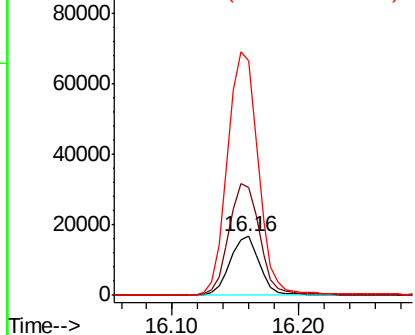


Abundance

Ion 248.00 (247.70 to 248.70): E

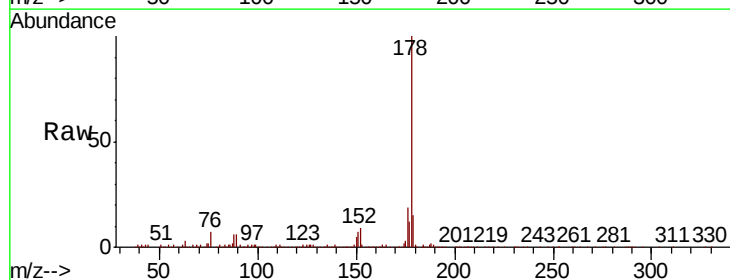
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71
 Phenanthrene
 Concen: 4.920 ng
 RT: 17.46 min Scan# 2446
 Delta R.T. -0.00 min
 Lab File: BG042422.D
 Acq: 23 Aug 2019 4:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.9	23.9
179	14.8	12.7	19.1

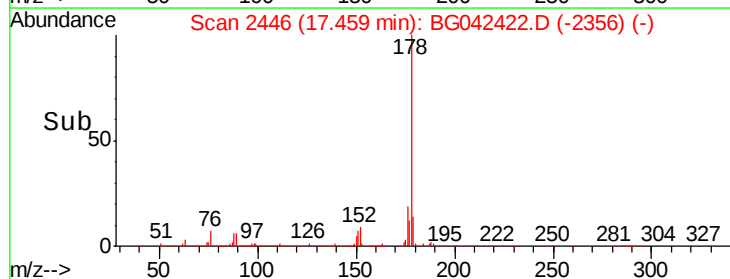
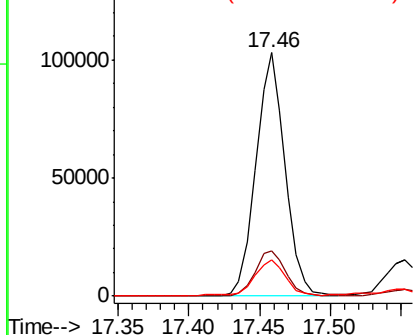


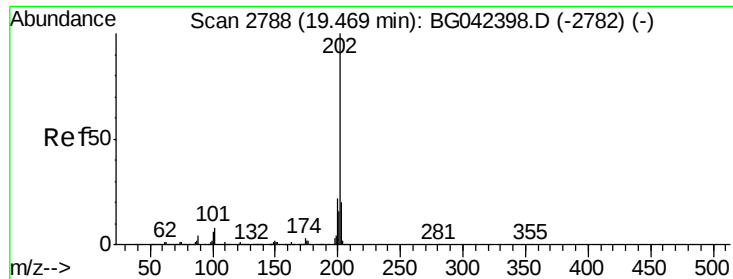
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 10.977 ng

RT: 19.47 min Scan# 2789

Delta R.T. 0.00 min

Lab File: BG042422.D

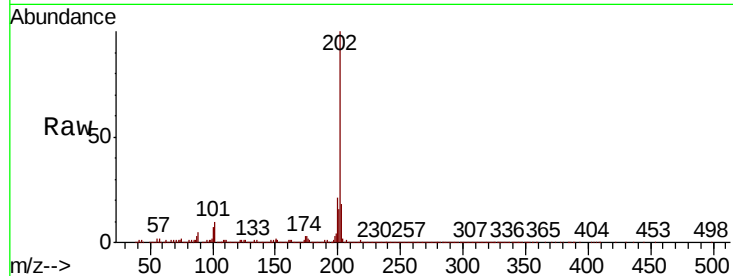
Acq: 23 Aug 2019 4:36

Instrument :

BNA_G

ClientSampleId :

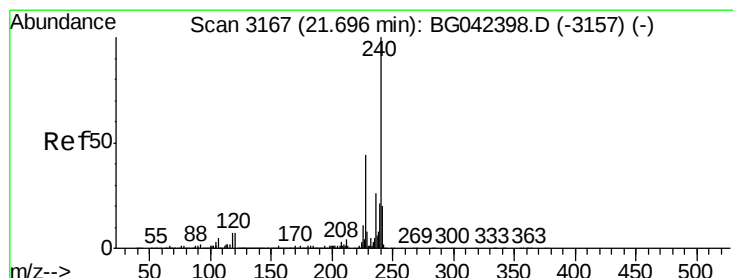
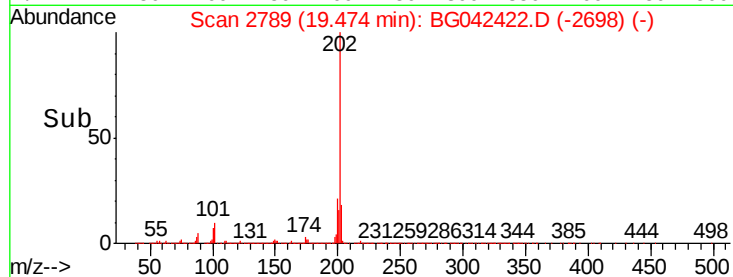
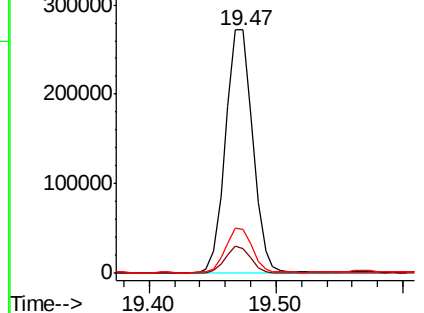
Tot Ion:	202	Resp:	403639
Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	28.3
203	18.1	0.0	39.6



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

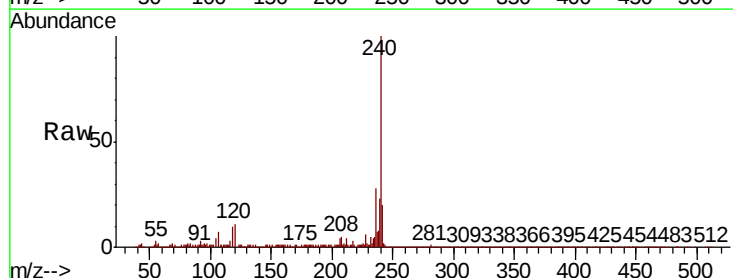
RT: 21.69 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BG042422.D

Acq: 23 Aug 2019 4:36

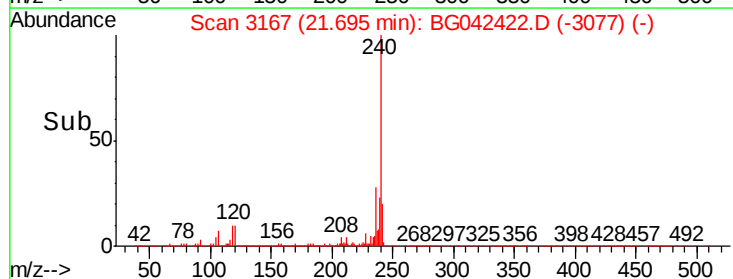
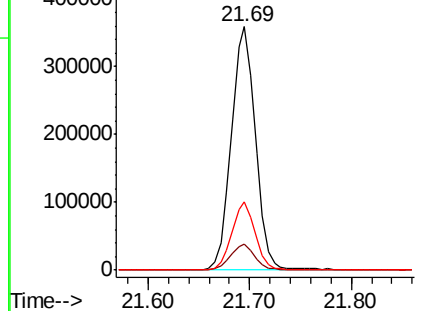
Tgt Ion:	240	Resp:	585115
Ion	Ratio	Lower	Upper
240	100		
120	10.6	5.7	8.5#
236	28.0	21.0	31.4

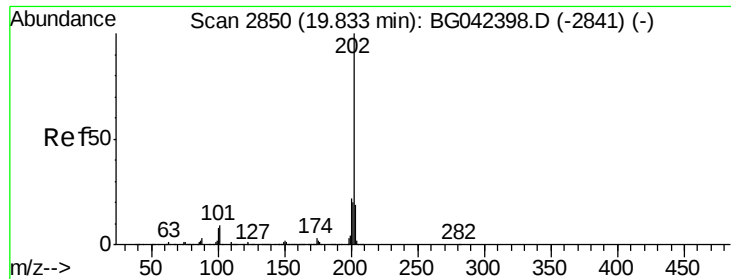


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

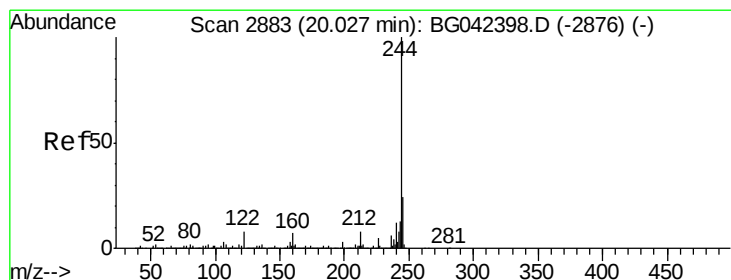
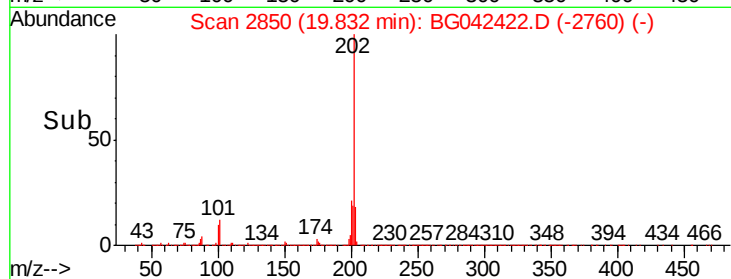
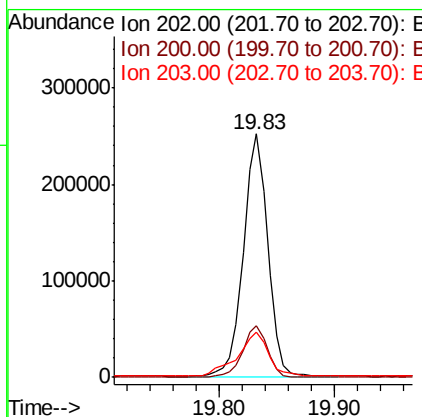
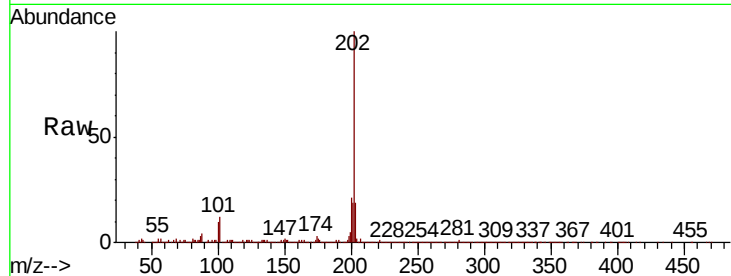




#78
Pvrene
Concen: 10.302 ng
RT: 19.83 min Scan# 2850
Delta R.T. -0.00 min
Lab File: BG042422.D
Acq: 23 Aug 2019 4:36

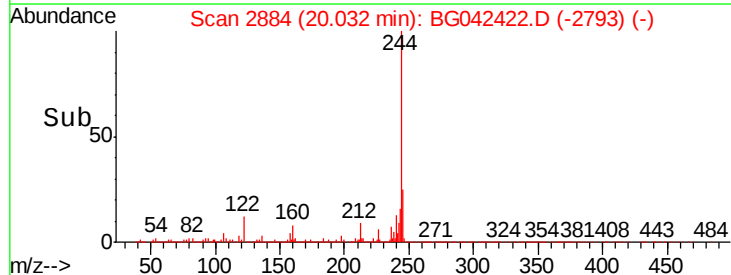
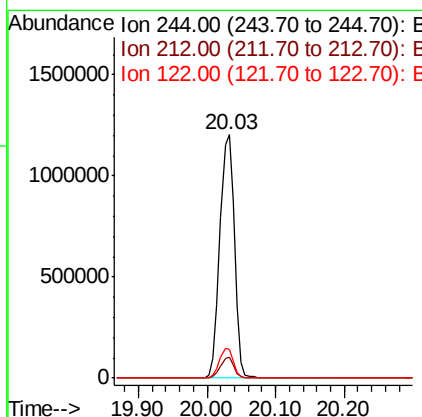
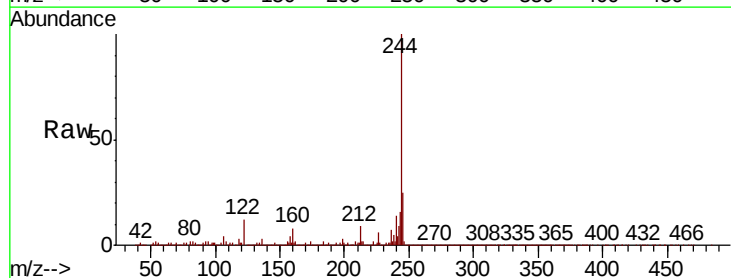
Instrument :
BNA_G
ClientSampleId :

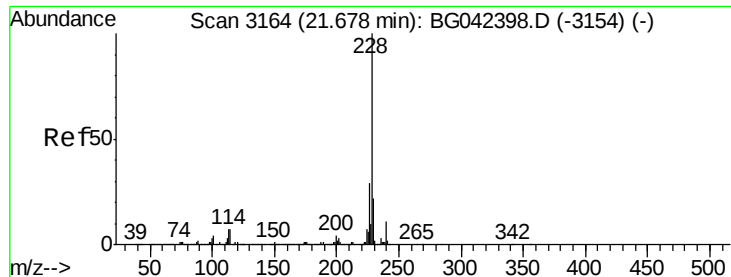
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.8	26.6
203	18.5	15.5	23.3



#79
Terphenyl-d14
Concen: 65.196 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.00 min
Lab File: BG042422.D
Acq: 23 Aug 2019 4:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.8	6.0	9.0
122	11.9	6.7	10.1





#81

Benzo(a)anthracene

Concen: 4.972 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG042422.D

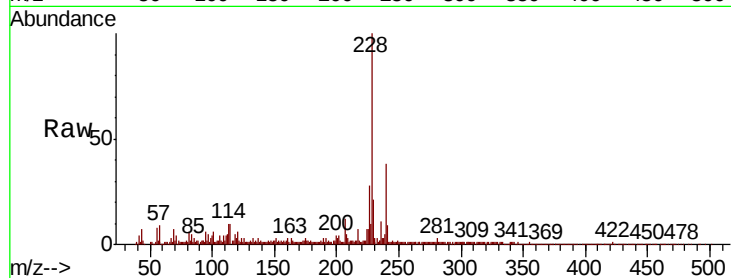
Acq: 23 Aug 2019 4:36

Instrument :

BNA_G

ClientSampled :

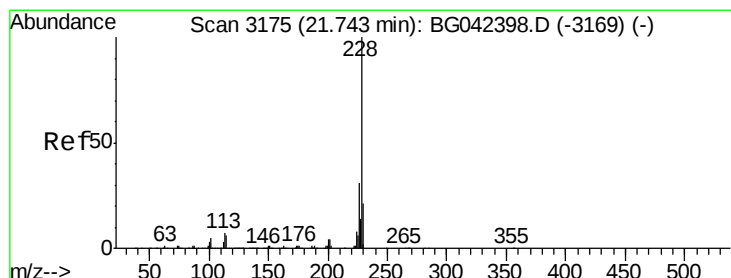
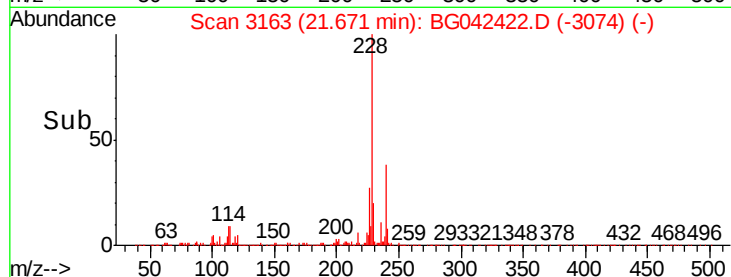
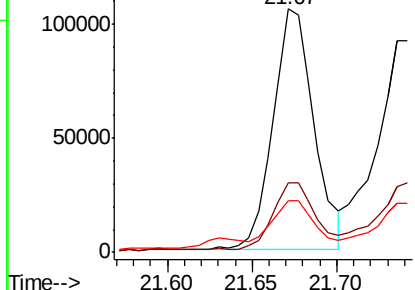
Tot Ion:228	Resp:	176957
Ion Ratio	Lower	Upper
228	100	
226	28.3	23.4 35.2
229	21.3	17.4 26.2



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: 5.329 ng

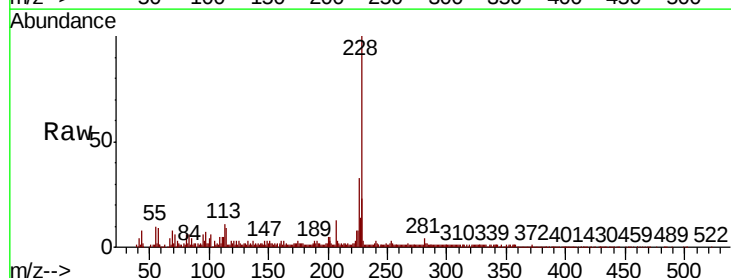
RT: 21.74 min Scan# 3175

Delta R.T. -0.00 min

Lab File: BG042422.D

Acq: 23 Aug 2019 4:36

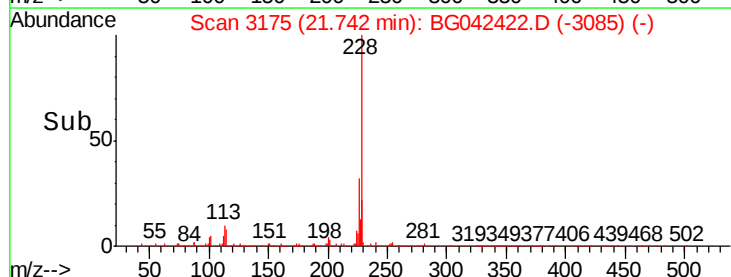
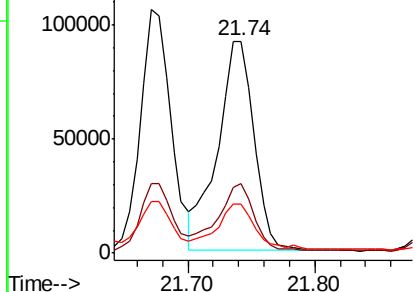
Tgt Ion:228	Resp:	182942
Ion Ratio	Lower	Upper
228	100	
226	32.7	24.9 37.3
229	23.2	16.9 25.3

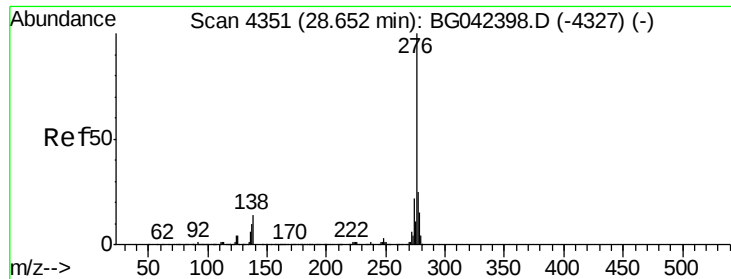


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.747 ng

RT: 28.65 min Scan# 4351

Delta R.T. -0.00 min

Lab File: BG042422.D

Acq: 23 Aug 2019 4:36

Instrument :

BNA_G

ClientSampleId :

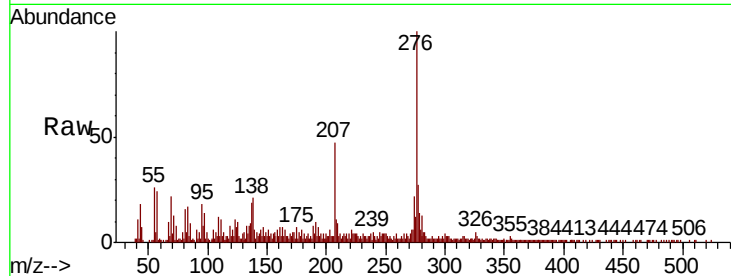
Tot Ion:276 Resp: 128163

Ion Ratio Lower Upper

276 100

138 19.5 9.2 13.8#

277 25.2 21.0 31.6

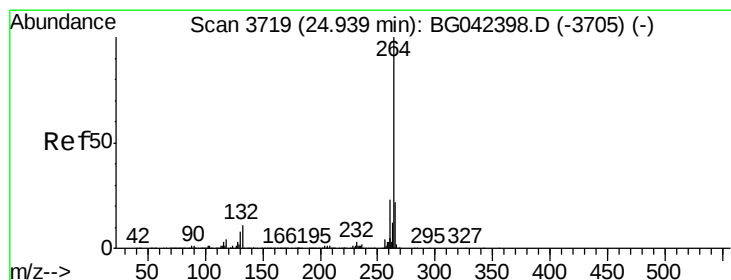
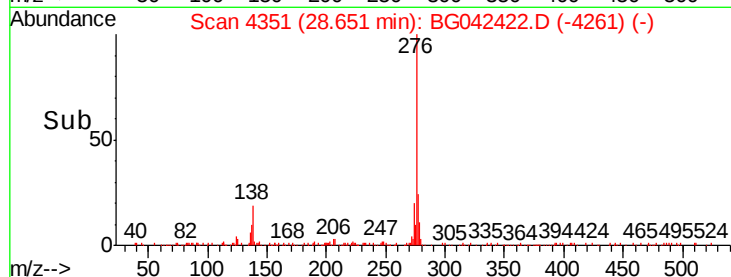
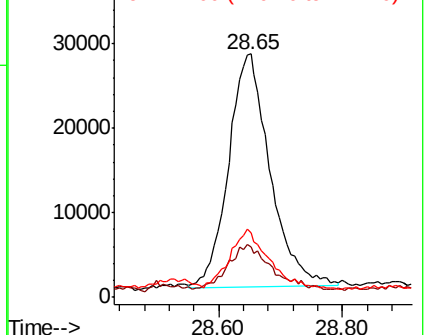


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.94 min Scan# 3720

Delta R.T. 0.00 min

Lab File: BG042422.D

Acq: 23 Aug 2019 4:36

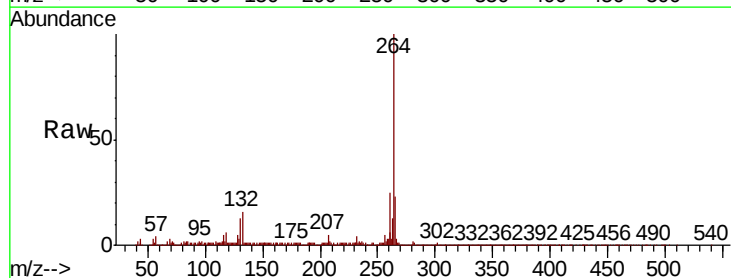
Tgt Ion:264 Resp: 702973

Ion Ratio Lower Upper

264 100

260 24.7 18.5 27.7

265 23.3 17.6 26.4

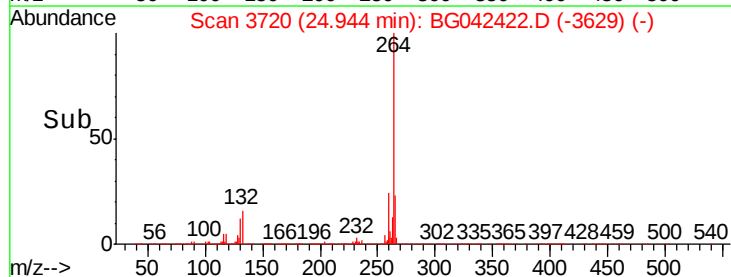
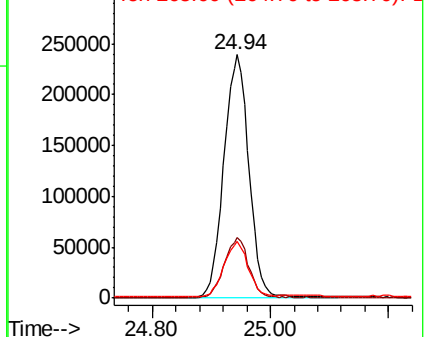


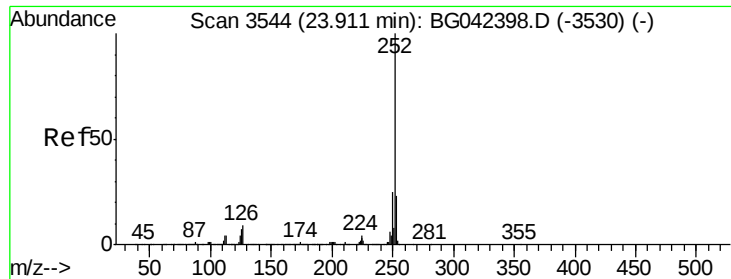
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 6.913 ng

RT: 23.91 min Scan# 3544

Delta R.T. -0.00 min

Lab File: BG042422.D

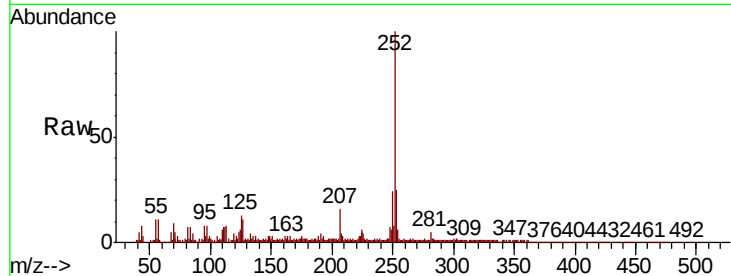
Acq: 23 Aug 2019 4:36

Instrument :

BNA_G

ClientSampleId :

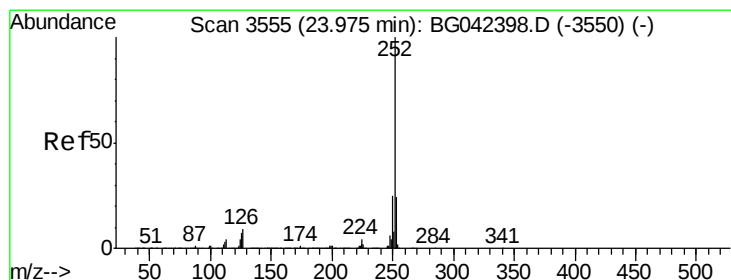
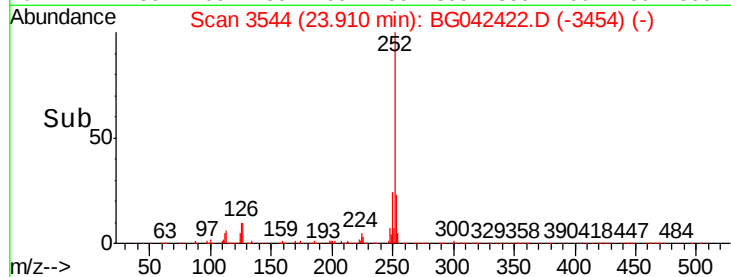
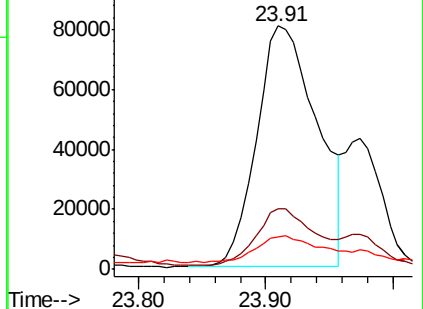
Tot Ion:252	Resp:	267176
Ion Ratio	Lower	Upper
252	100	
253	24.8	18.6 27.8
125	13.2	5.6 8.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 7.192 ng

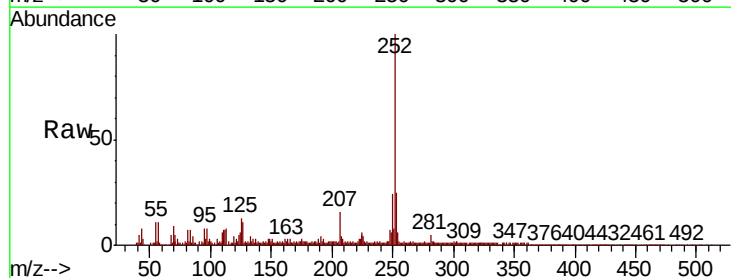
RT: 23.91 min Scan# 3544

Delta R.T. -0.07 min

Lab File: BG042422.D

Acq: 23 Aug 2019 4:36

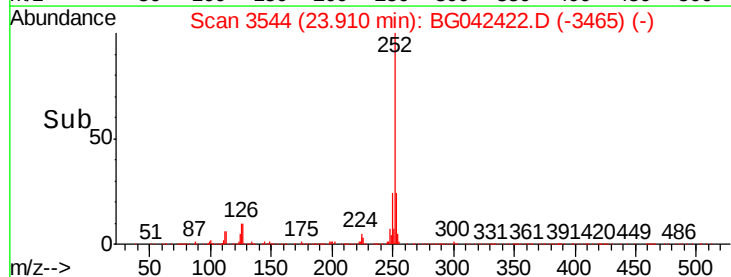
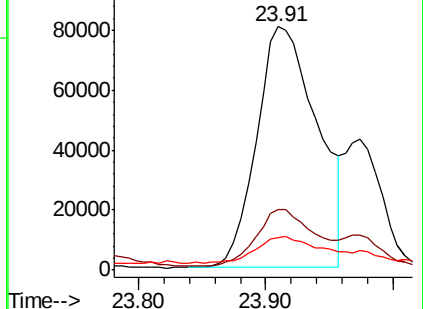
Tgt Ion:252	Resp:	267176
Ion Ratio	Lower	Upper
252	100	
253	24.8	18.6 27.8
125	13.2	5.8 8.6#

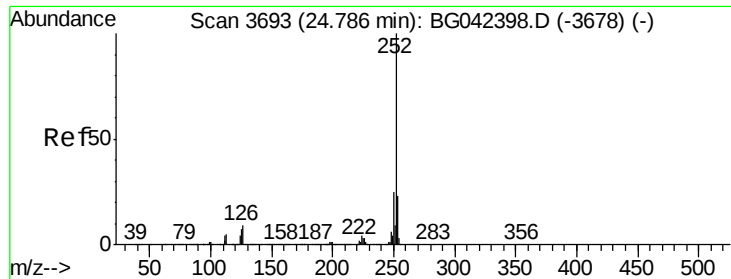


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 5.376 ng

RT: 24.79 min Scan# 3693

Delta R.T. -0.00 min

Lab File: BG042422.D

Acq: 23 Aug 2019 4:36

Instrument :

BNA_G

ClientSampleId :

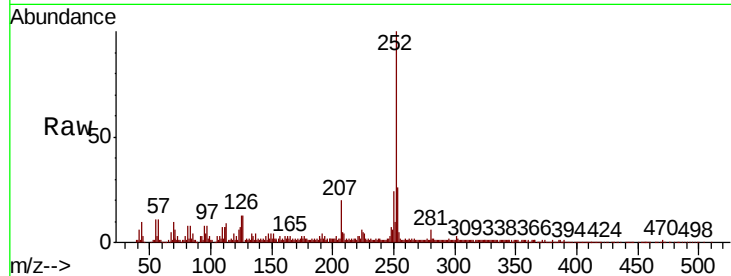
Tot Ion:252 Resp: 197140

Ion Ratio Lower Upper

252 100

253 26.3 18.4 27.6

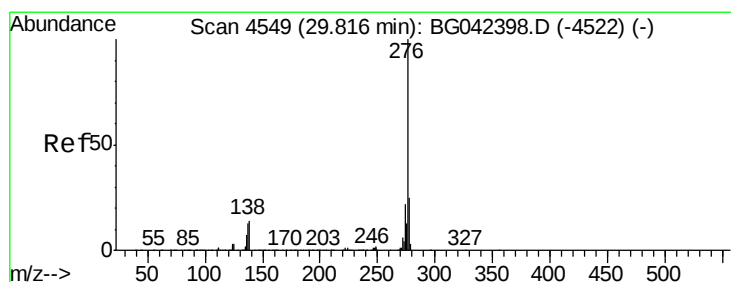
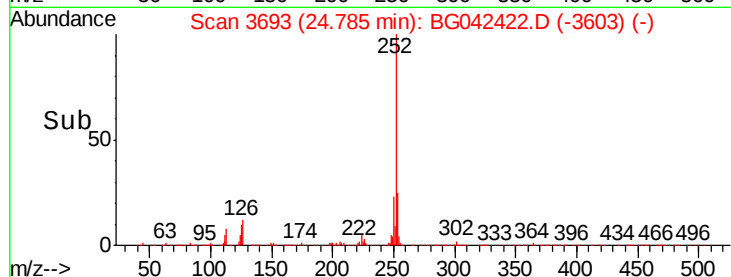
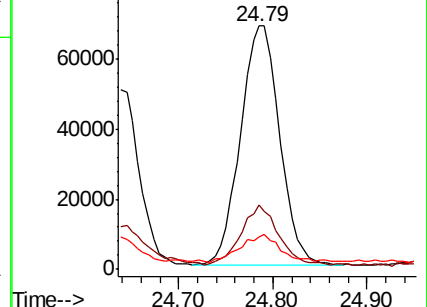
125 13.4 6.0 9.0#



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: 3.586 ng

RT: 29.80 min Scan# 4547

Delta R.T. -0.01 min

Lab File: BG042422.D

Acq: 23 Aug 2019 4:36

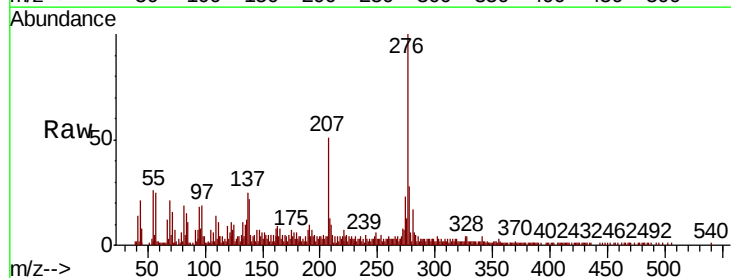
Tgt Ion:276 Resp: 133188

Ion Ratio Lower Upper

276 100

277 28.0 19.8 29.8

138 21.8 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

