

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
 Data File : BG042371.D
 Acq On : 20 Aug 2019 23:47
 Operator : HP/JU
 Sample : K4385-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 04:31:49 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	8.01	152	81277	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	293753	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	180021	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	353747	20.00	ng	0.01
76) Chrysene-d12	21.76	240	286305	20.00	ng	0.07
87) Perylene-d12	25.21	264	373956	20.00	ng	0.28

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	392457	97.83	ng	0.00
7) Phenol-d6	7.18	99	528983	97.09	ng	0.01
23) Nitrobenzene-d5	9.17	82	314297	75.25	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	259700	105.92	ng	0.01
45) 2-Fluorobiphenyl	13.29	172	849970	79.90	ng	0.00
79) Terphenyl-d14	20.06	244	1060261	81.11	ng	0.03

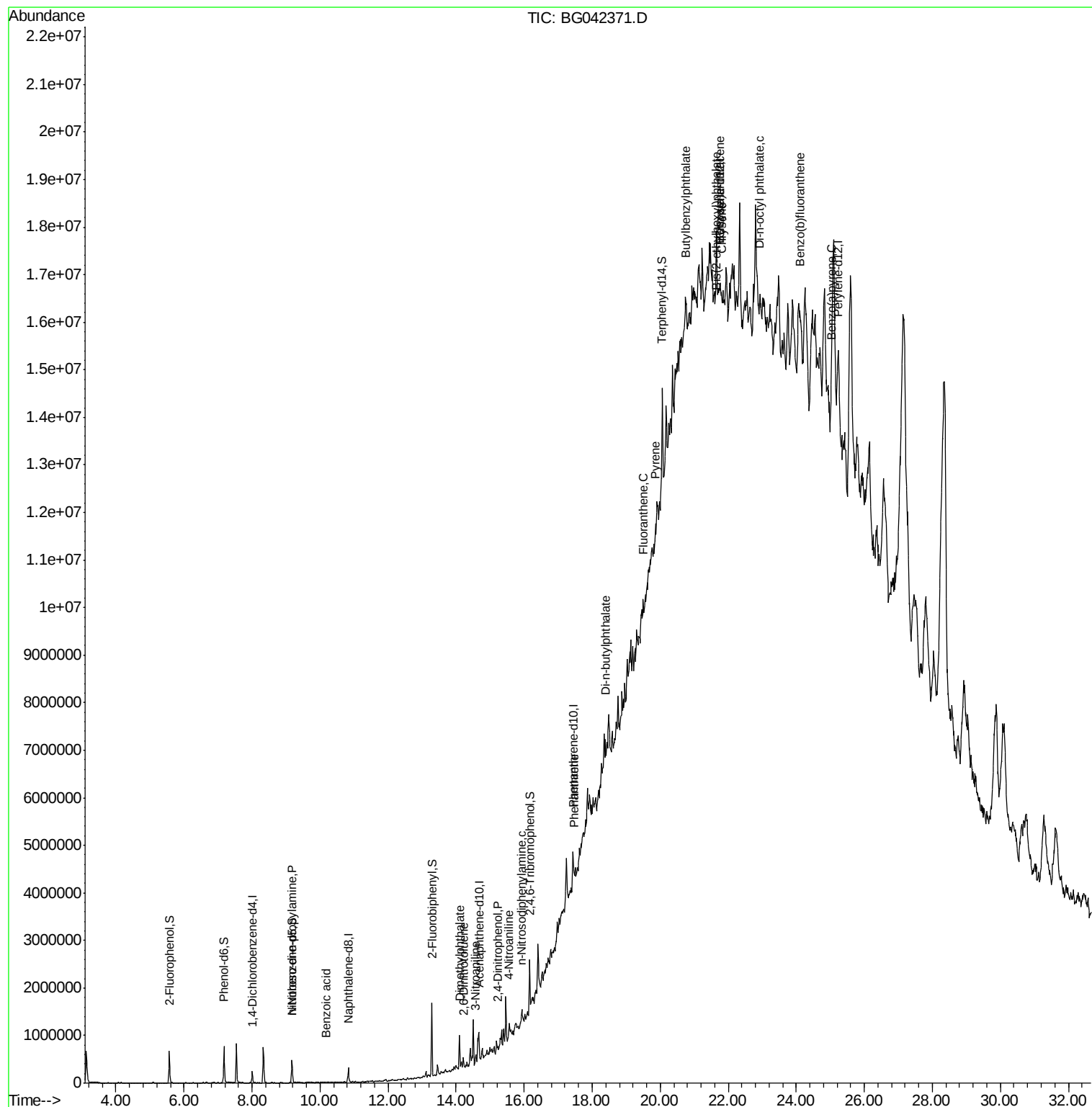
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	9.17	70	39676	11.322	ng	# 71
32) Benzoic acid	10.20	122	135	7.822	ng	# 91
50) Dimethylphthalate	14.11	163	67051	5.242	ng	# 81
51) 2,6-Dinitrotoluene	14.23	165	7107	2.374	ng	# 50
53) 3-Nitroaniline	14.58	138	12172	4.135	ng	# 23
54) 2,4-Dinitrophenol	15.23	184	4067	8.442	ng	# 95
62) 4-Nitroaniline	15.55	138	29171	9.377	ng	# 74
66) n-Nitrosodiphenylamine	15.94	169	26047	2.631	ng	# 47
71) Phenanthrene	17.47	178	109159	6.196	ng	# 53
74) Di-n-butylphthalate	18.39	149	65963	3.623	ng	# 44
75) Fluoranthene	19.50	202	215566	10.147	ng	# 64
78) Pylene	19.86	202	221175	12.555	ng	# 68
80) Butylbenzylphthalate	20.76	149	20673	2.961	ng	# 44
81) Benzo(a)anthracene	21.75	228	83261	4.735	ng	# 28
83) Chrysene	21.81	228	78655	4.676	ng	# 31
84) Bis(2-ethylhexyl)phthalate	21.67	149	26060	2.677	ng	# 56
85) Di-n-octyl phthalate	22.93	149	82965	4.996	ng	# 84
88) Benzo(b)fluoranthene	24.10	252	99824	4.857	ng	# 1
90) Benzo(a)pyrene	25.02	252	116391	5.909	ng	# 1

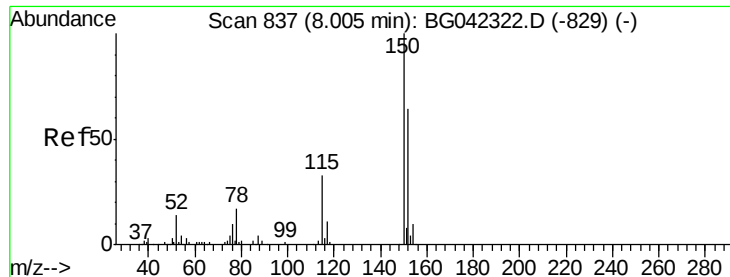
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
Data File : BG042371.D
Acq On : 20 Aug 2019 23:47
Operator : HP/JU
Sample : K4385-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Aug 21 04:31:49 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



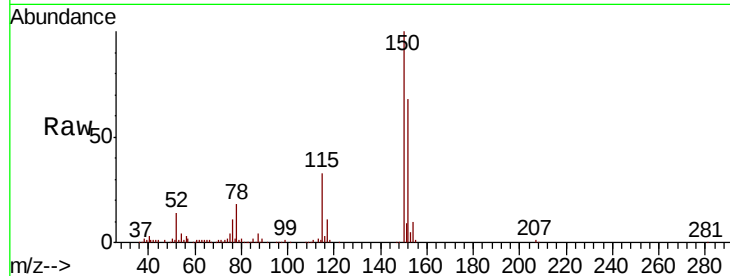


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.01 min
Lab File: BG042371.D
Acq: 20 Aug 2019 23:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion	152	Resp	81277
Ion Ratio	Lower	Upper	
152	100		
150	148.0	124.3	186.5
115	48.7	40.5	60.7

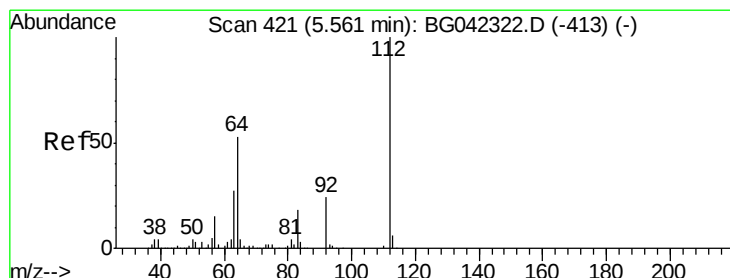
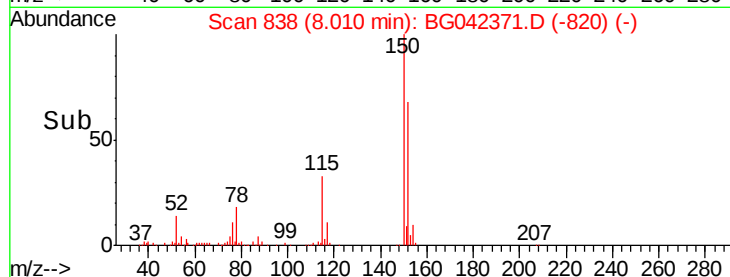
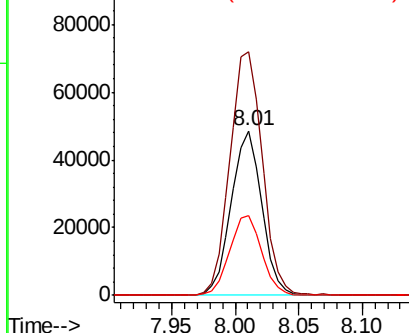


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

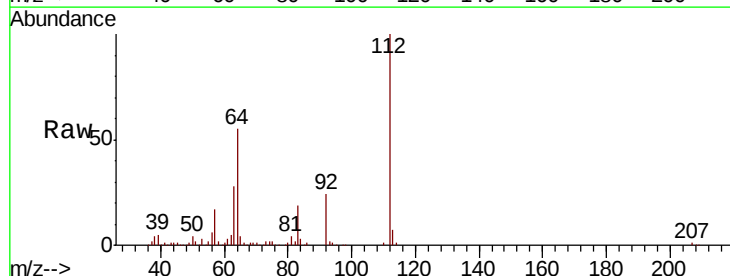
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 97.833 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.00 min
Lab File: BG042371.D
Acq: 20 Aug 2019 23:47

Tgt Ion	112	Resp	392457
Ion Ratio	Lower	Upper	
112	100		
64	54.7	42.5	63.7
63	28.0	21.7	32.5

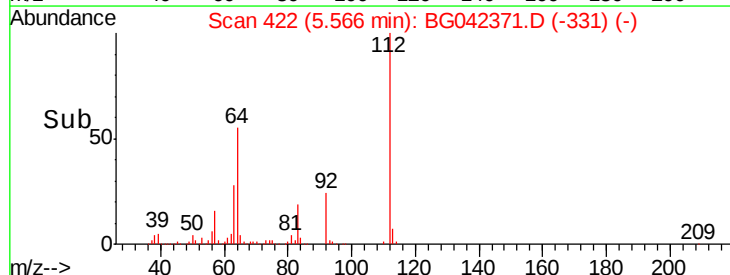
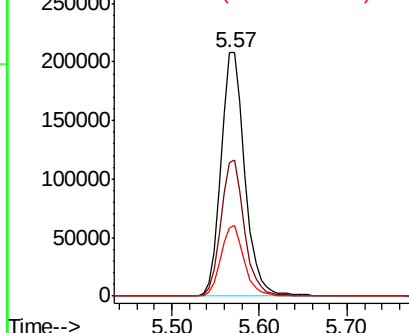


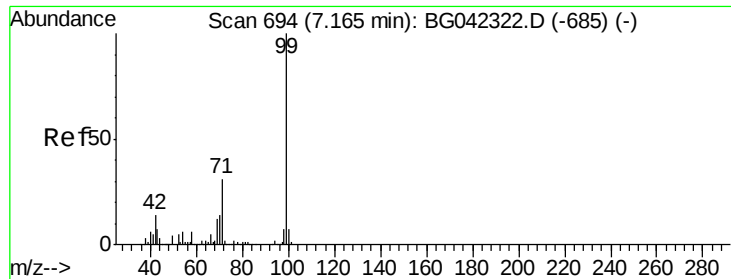
Abundance

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: 97.095 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.01 min

Lab File: BG042371.D

Acq: 20 Aug 2019 23:47

Instrument :

BNA_G

ClientSampleId :

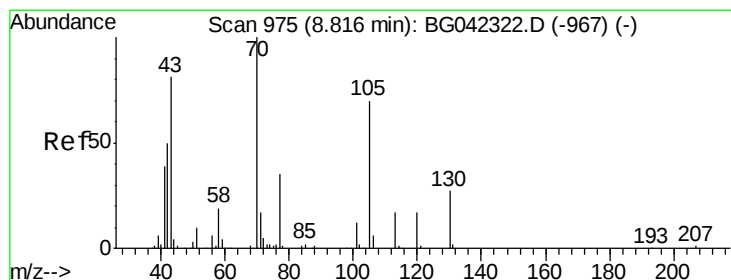
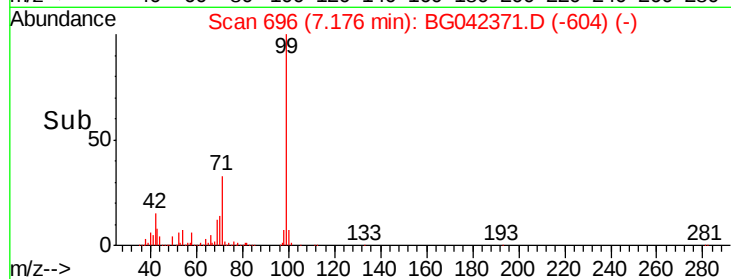
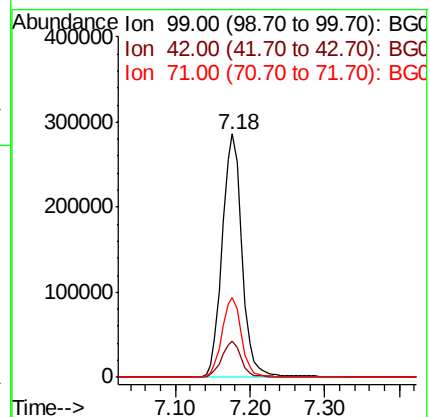
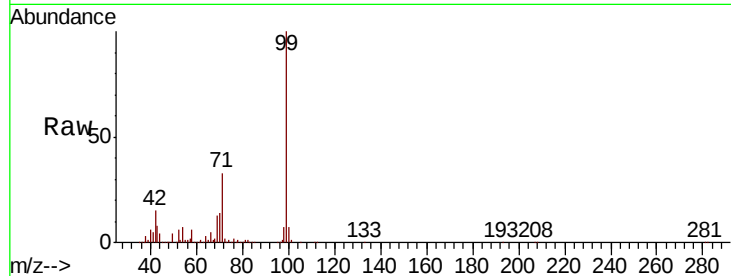
Tot Ion: 99 Resp: 528983

Ion Ratio Lower Upper

99 100

42 14.9 11.4 17.0

71 33.0 25.1 37.7



#19

n-Nitroso-di-n-propylamine

Concen: 11.322 ng

RT: 9.17 min Scan# 1036

Delta R.T. 0.36 min

Lab File: BG042371.D

Acq: 20 Aug 2019 23:47

Tgt Ion: 70 Resp: 39676

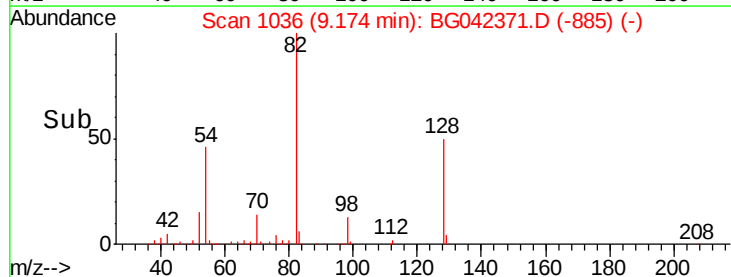
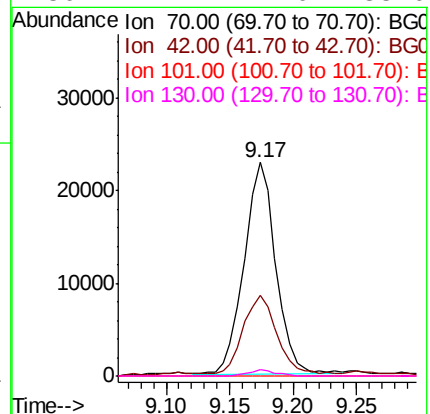
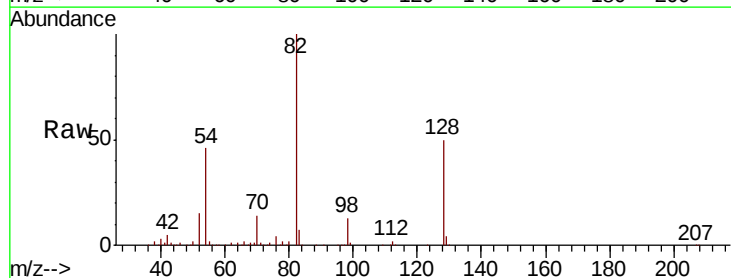
Ion Ratio Lower Upper

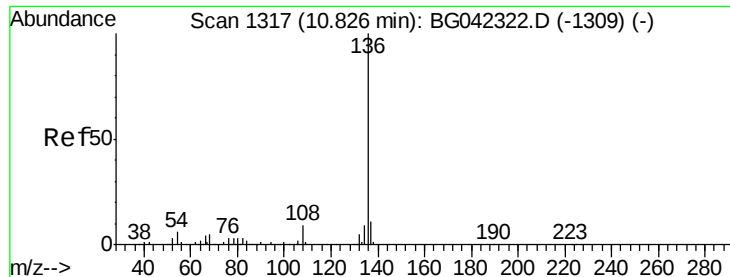
70 100

42 37.7 40.5 60.7#

101 0.0 9.3 13.9#

130 2.7 22.0 33.0#

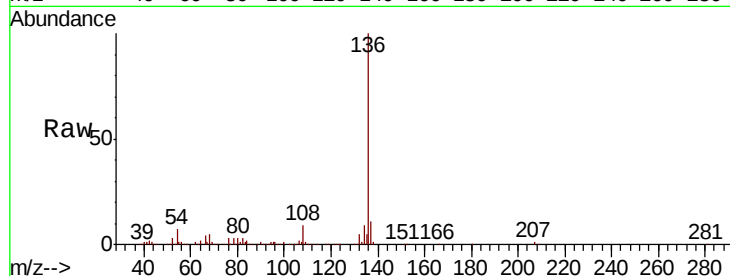




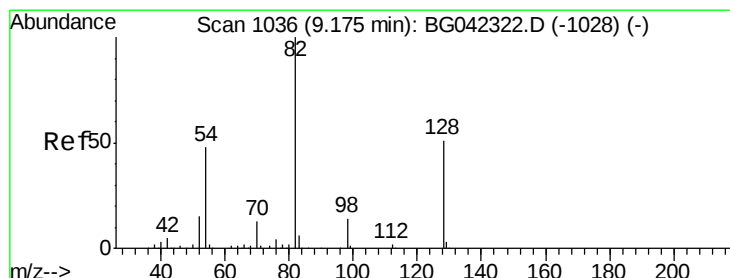
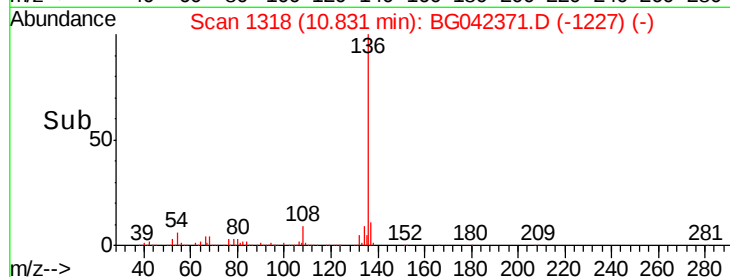
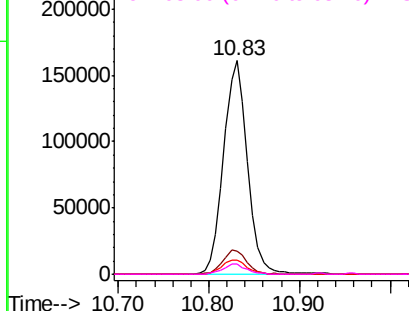
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG042371.D
Acq: 20 Aug 2019 23:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	293753
Ion Ratio	Lower	Upper
136 100		
137 10.8	8.4	12.6
54 6.5	5.0	7.4
68 4.6	3.8	5.8

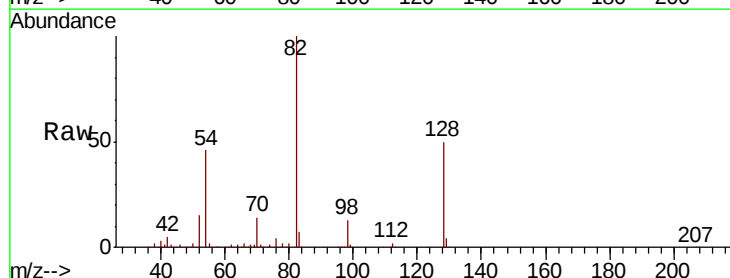


Abundance Ion 136.00 (135.70 to 136.70): E
250000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

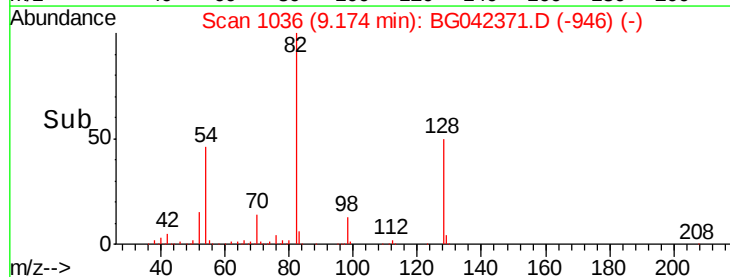
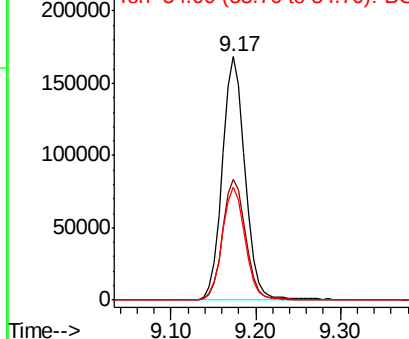


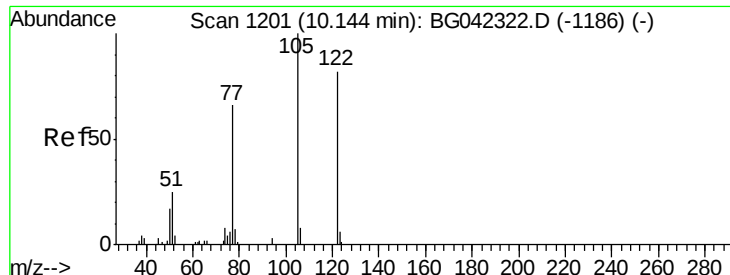
#23
Nitrobenzene-d5
Concen: 75.252 ng
RT: 9.17 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG042371.D
Acq: 20 Aug 2019 23:47

Tgt Ion	82	Resp: Lower	314297 Upper
	Ratio 100		
128	49.8	41.0	61.4
54	46.4	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

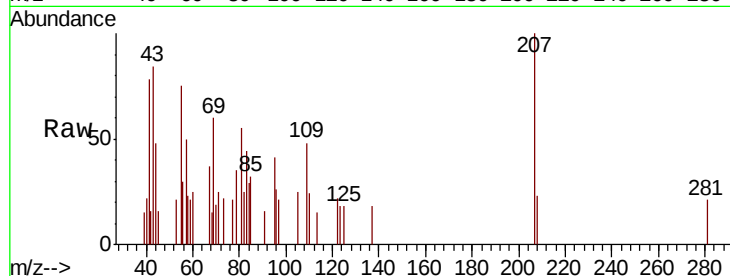




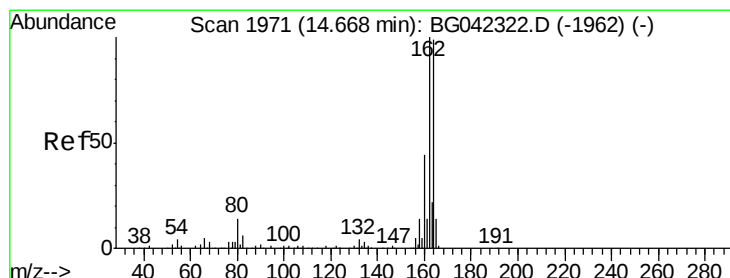
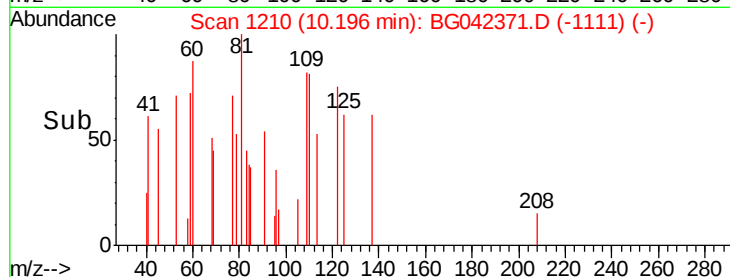
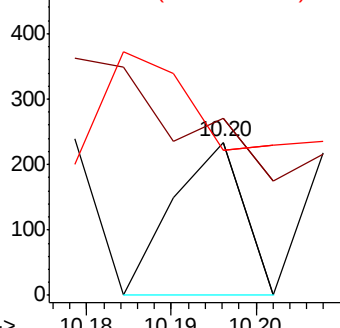
#32
Benzoic acid
Concen: 7.822 ng
RT: 10.20 min Scan# 1210
Delta R.T. 0.05 min
Lab File: BG042371.D
Acq: 20 Aug 2019 23:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 135
Ion Ratio Lower Upper
122 100
105 115.4 97.7 137.7
77 94.4 58.4 98.4

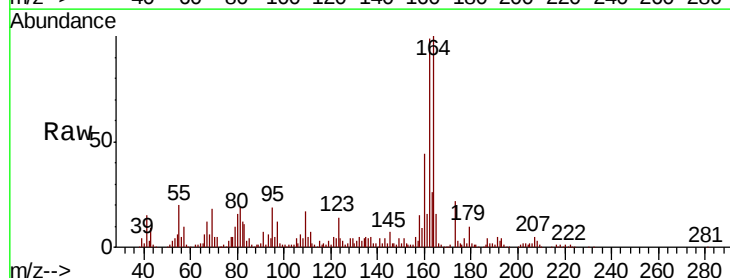


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG0

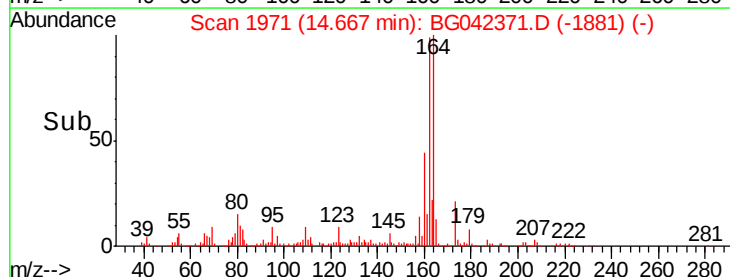
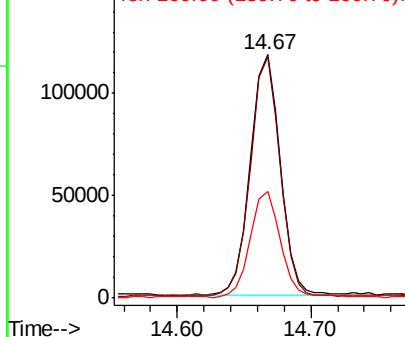


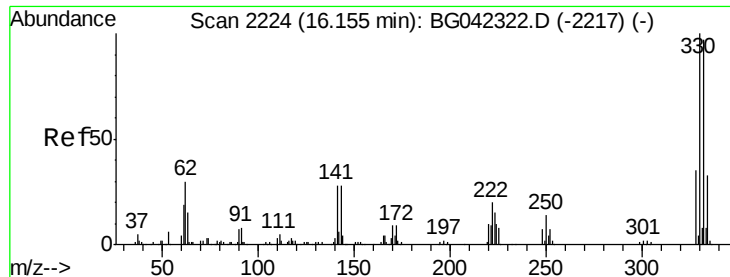
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.00 min
Lab File: BG042371.D
Acq: 20 Aug 2019 23:47

Tgt Ion:164 Resp: 180021
Ion Ratio Lower Upper
164 100
162 98.9 80.6 120.8
160 43.6 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





#42

2,4,6-Tribromophenol

Concen: 105.920 ng

RT: 16.17 min Scan# 2226

Delta R.T. 0.01 min

Lab File: BG042371.D

Acq: 20 Aug 2019 23:47

Instrument :

BNA_G

ClientSampleId :

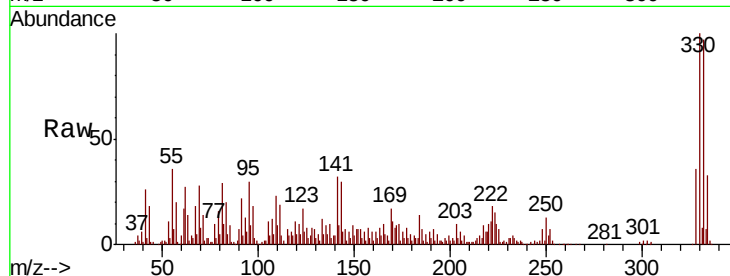
Tot Ion:330 Resp: 259700

Ion Ratio Lower Upper

330 100

332 95.8 76.9 115.3

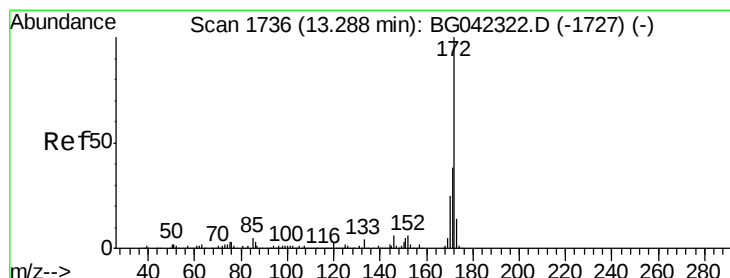
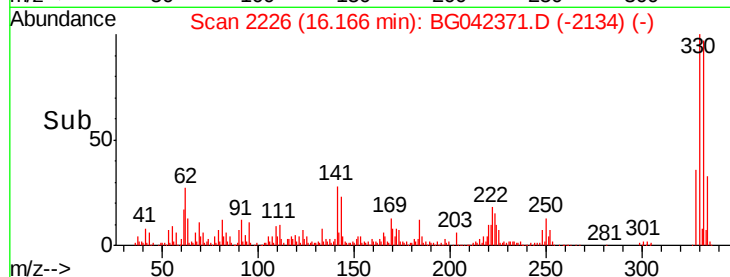
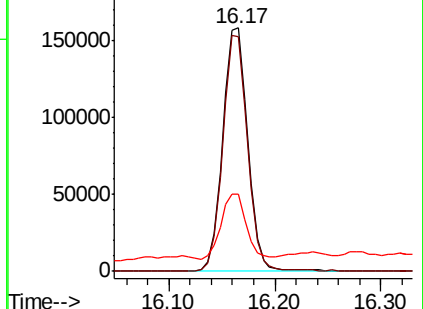
141 27.1 21.8 32.6



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: 79.895 ng

RT: 13.29 min Scan# 1736

Delta R.T. -0.00 min

Lab File: BG042371.D

Acq: 20 Aug 2019 23:47

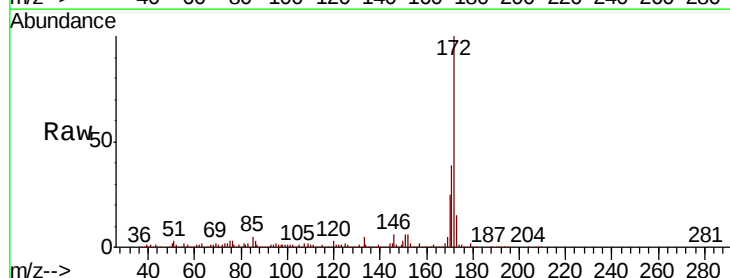
Tgt Ion:172 Resp: 849970

Ion Ratio Lower Upper

172 100

171 39.3 30.3 45.5

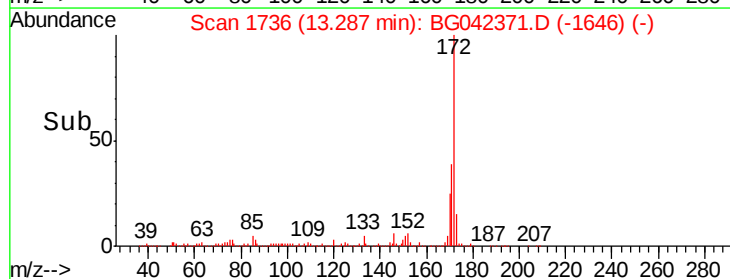
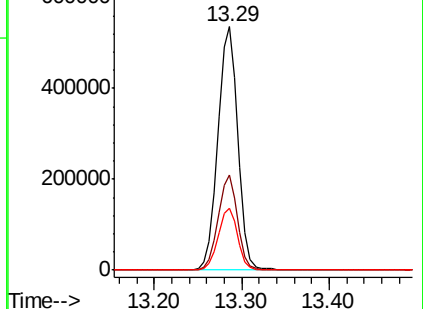
170 25.4 20.0 30.0

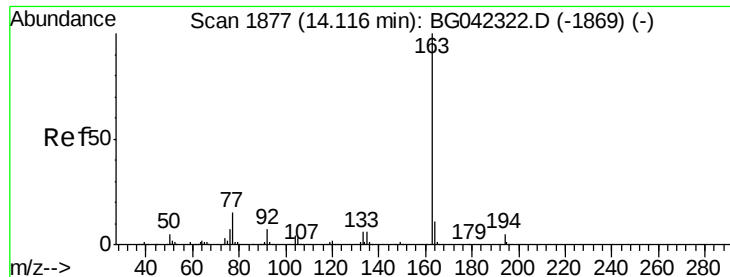


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

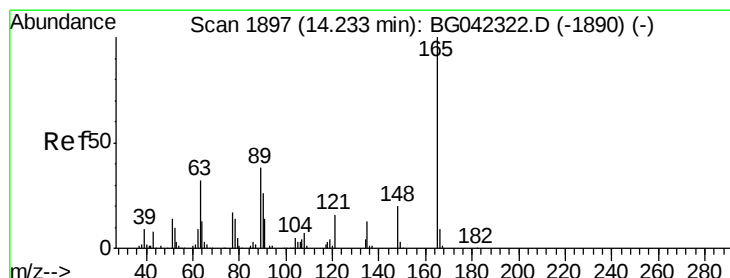
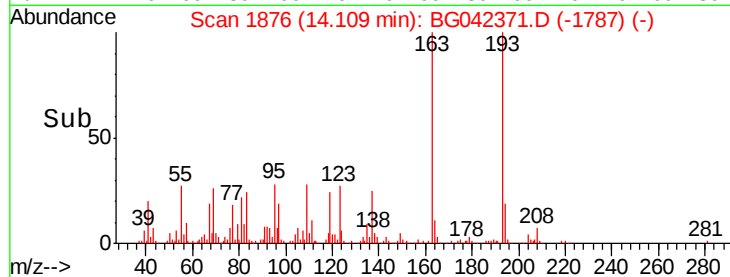
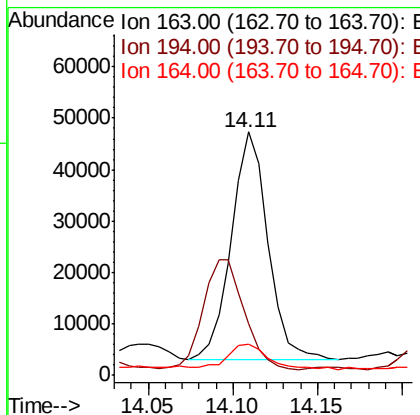
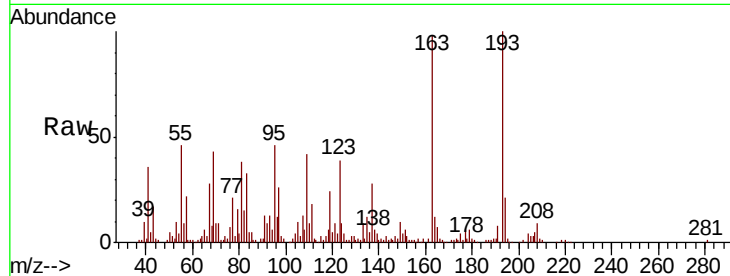




#50
Dimethylphthalate
Concen: 5.242 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042371.D
Acq: 20 Aug 2019 23:47

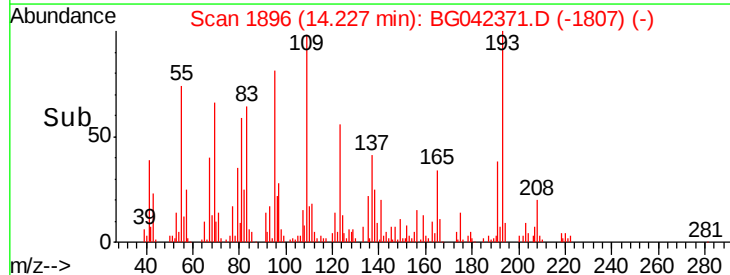
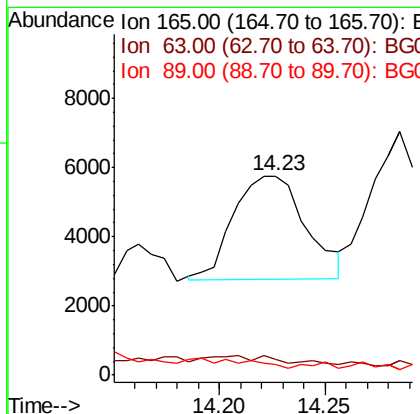
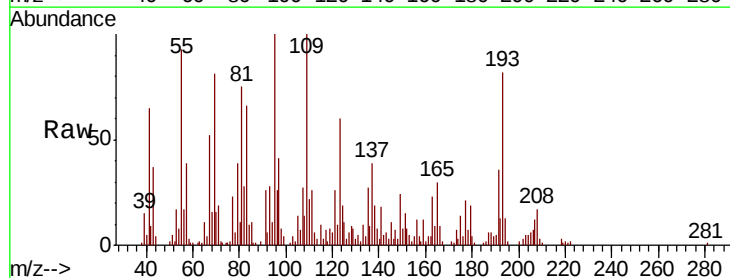
Instrument :
BNA_G
ClientSampleId :

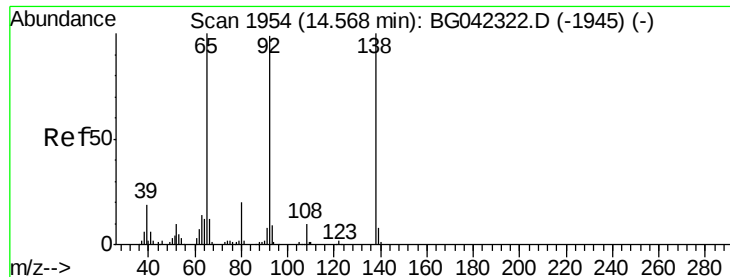
Tot Ion:163 Resp: 67051
Ion Ratio Lower Upper
163 100
194 21.3 4.2 6.2#
164 12.7 8.8 13.2



#51
2,6-Dinitrotoluene
Concen: 2.374 ng
RT: 14.23 min Scan# 1896
Delta R.T. -0.01 min
Lab File: BG042371.D
Acq: 20 Aug 2019 23:47

Tgt Ion:165 Resp: 7107
Ion Ratio Lower Upper
165 100
63 7.7 28.2 42.2#
89 5.5 30.0 45.0#

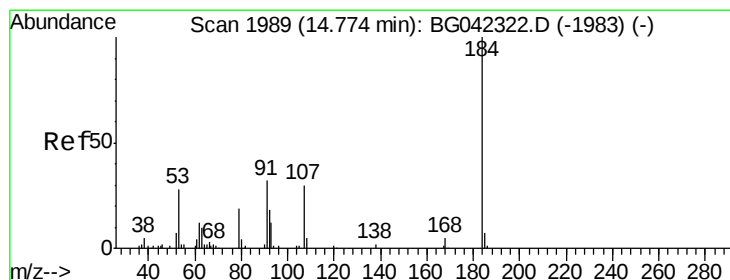
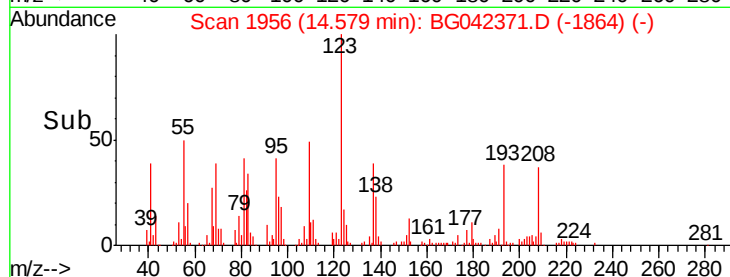
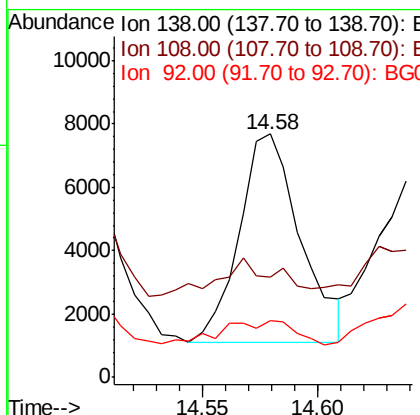
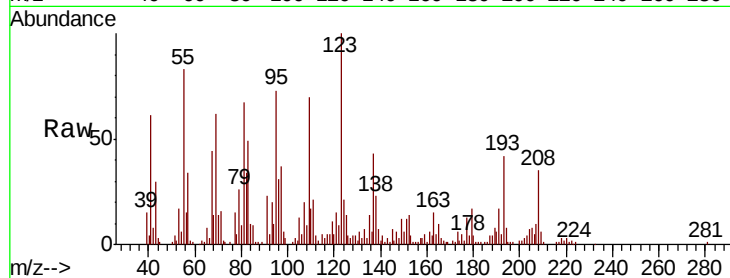




#53
3-Nitroaniline
Concen: 4.135 ng
RT: 14.58 min Scan# 1956
Delta R.T. 0.01 min
Lab File: BG042371.D
Acq: 20 Aug 2019 23:47

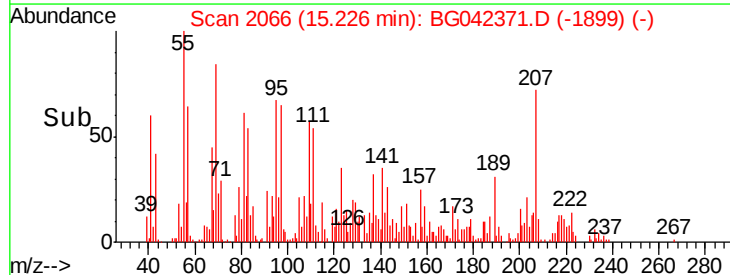
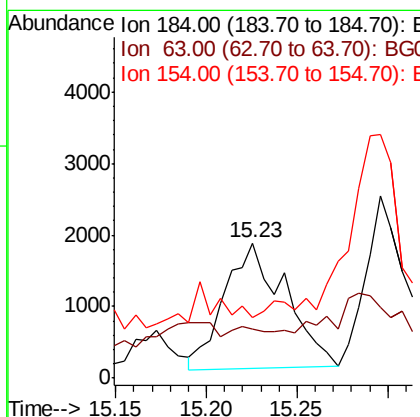
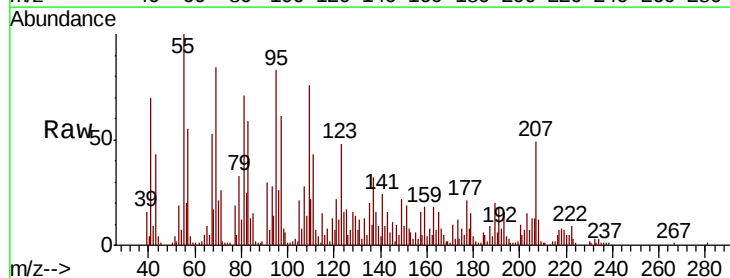
Instrument :
BNA_G
ClientSampleId :

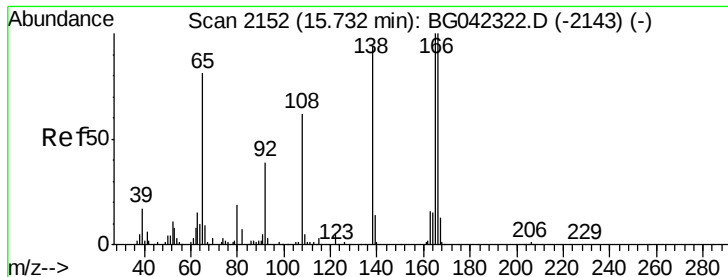
Tot Ion:138 Resp: 12172
Ion Ratio Lower Upper
138 100
108 41.3 7.9 11.9#
92 23.4 79.8 119.8#



#54
2,4-Dinitrophenol
Concen: 8.442 ng
RT: 15.23 min Scan# 2066
Delta R.T. 0.45 min
Lab File: BG042371.D
Acq: 20 Aug 2019 23:47

Tgt Ion:184 Resp: 4067
Ion Ratio Lower Upper
184 100
63 36.8 30.2 45.4
154 44.7 39.7 59.5





#62

4-Nitroaniline

Concen: 9.377 ng

RT: 15.55 min Scan# 2122

Delta R.T. -0.18 min

Lab File: BG042371.D

Acq: 20 Aug 2019 23:47

Instrument :

BNA_G

ClientSampleId :

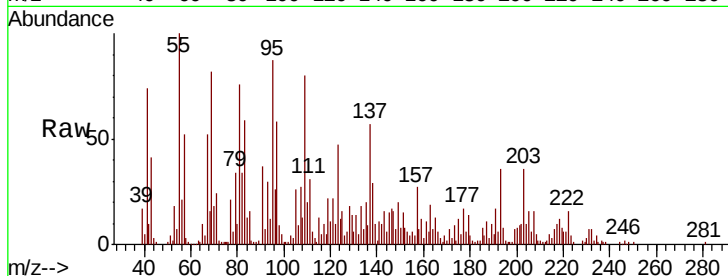
Tot Ion:138 Resp: 29171

Ion Ratio Lower Upper

138 100

92 23.5 21.5 61.5

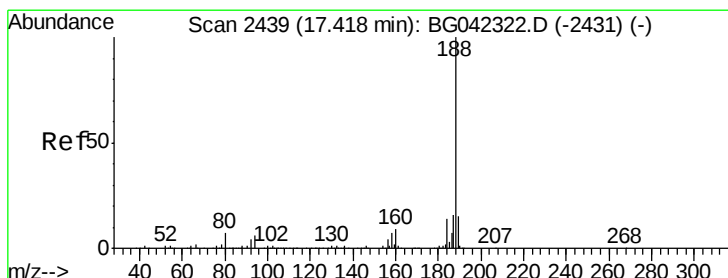
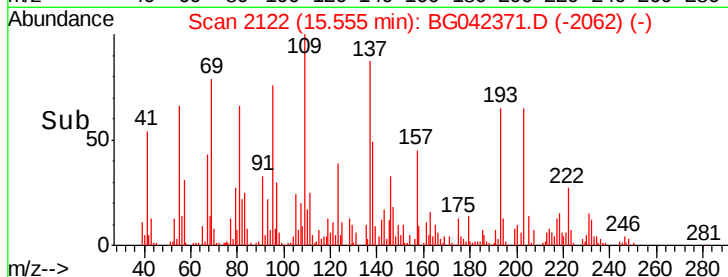
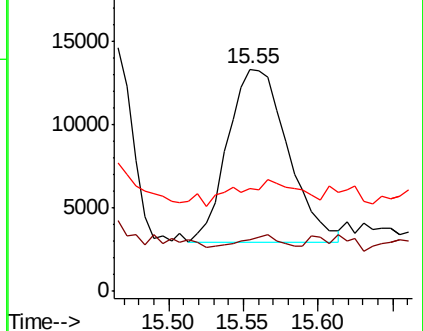
108 46.0 45.7 85.7



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. 0.01 min

Lab File: BG042371.D

Acq: 20 Aug 2019 23:47

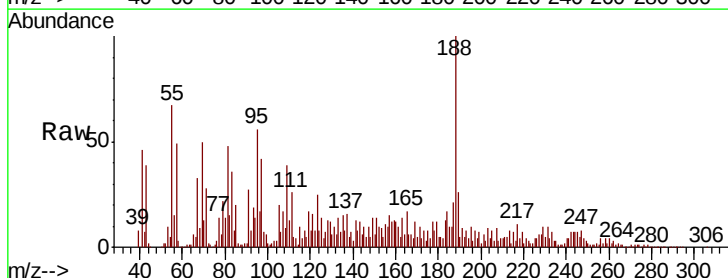
Tgt Ion:188 Resp: 353747

Ion Ratio Lower Upper

188 100

94 14.0 4.9 7.3#

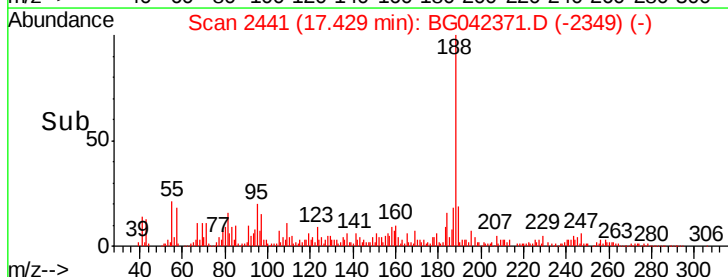
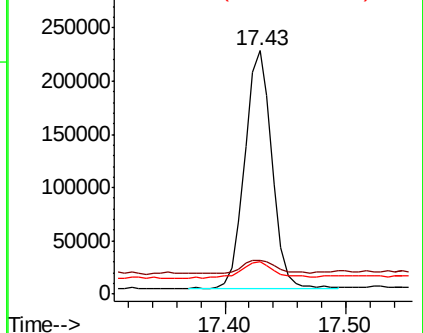
80 13.5 5.4 8.0#

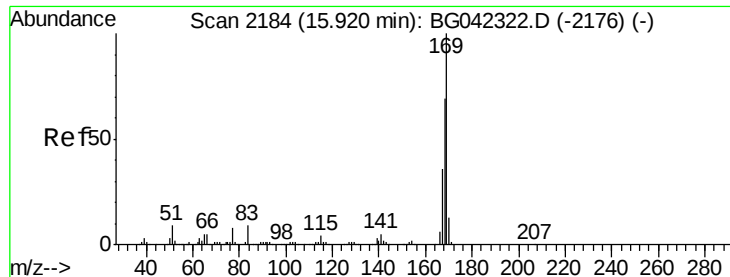


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

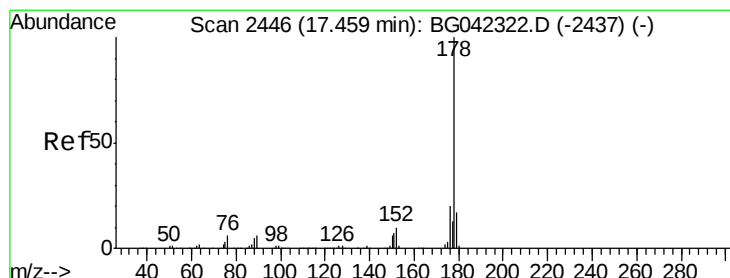
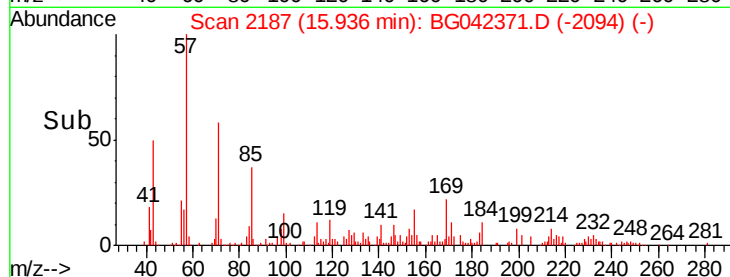
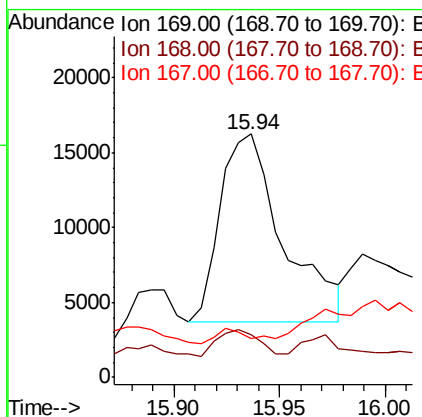
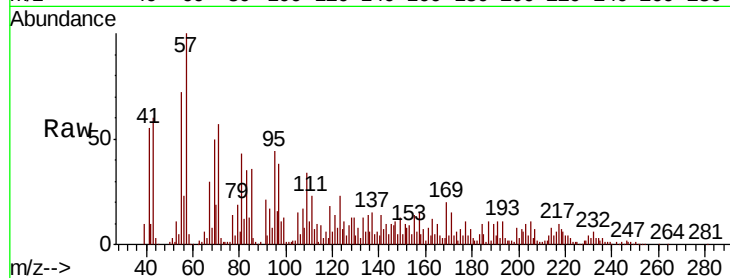




#66
 n-Nitrosodiphenylamine
 Concen: 2.631 ng
 RT: 15.94 min Scan# 2187
 Delta R.T. 0.02 min
 Lab File: BG042371.D
 Acq: 20 Aug 2019 23:47

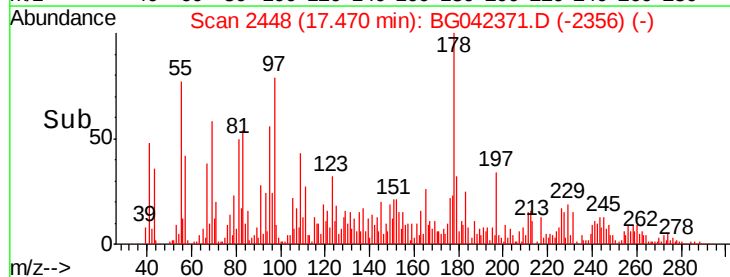
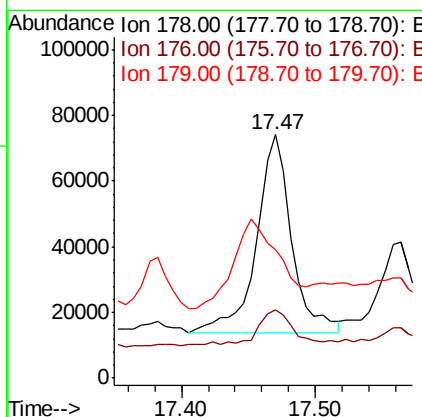
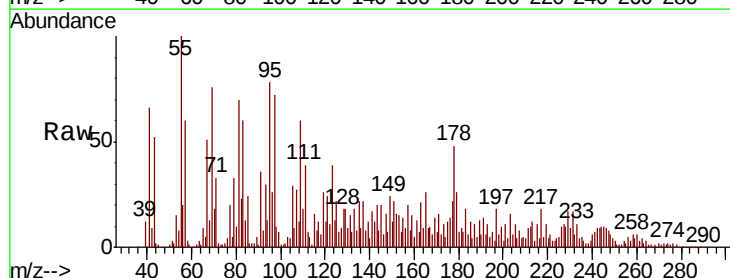
Instrument :
 BNA_G
 ClientSampleId :

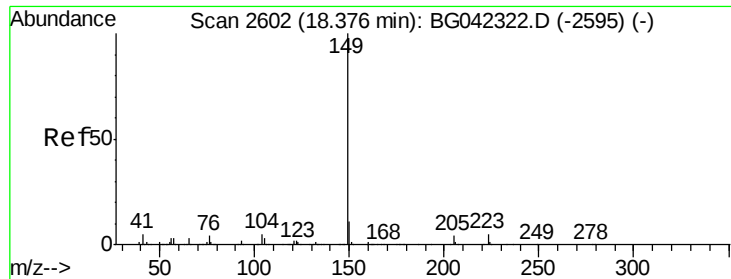
Tot Ion	Ratio	Lower	Upper
169	100		
168	17.5	55.5	83.3#
167	16.1	28.9	43.3#



#71
 Phenanthrene
 Concen: 6.196 ng
 RT: 17.47 min Scan# 2448
 Delta R.T. 0.01 min
 Lab File: BG042371.D
 Acq: 20 Aug 2019 23:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	28.0	16.2	24.4#
179	52.7	13.7	20.5#

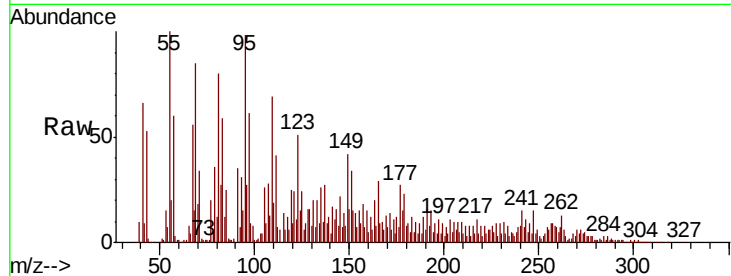




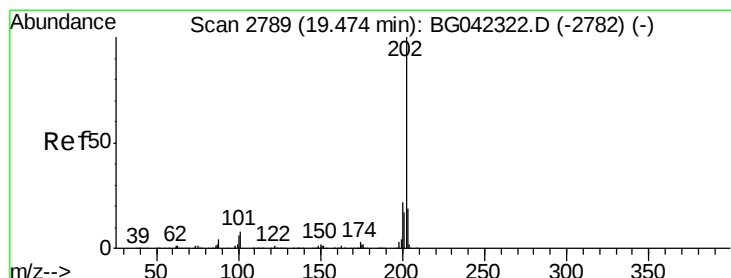
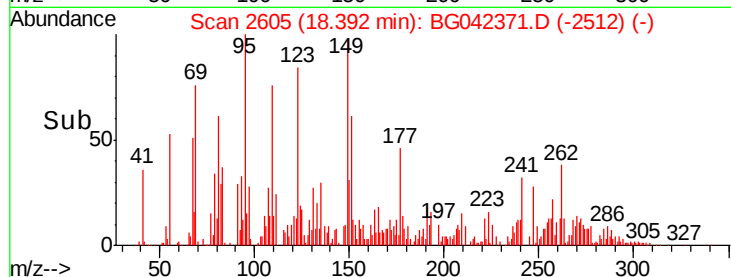
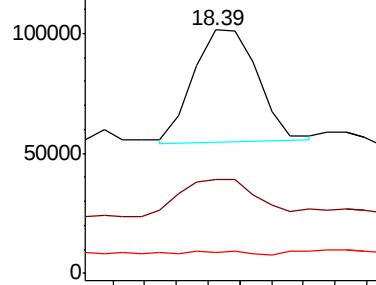
#74
Di-n-butylphthalate
Concen: 3.623 ng
RT: 18.39 min Scan# 2605
Delta R.T. 0.02 min
Lab File: BG042371.D
Acq: 20 Aug 2019 23:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
150	38.7	8.4	12.6#
104	8.8	3.7	5.5#

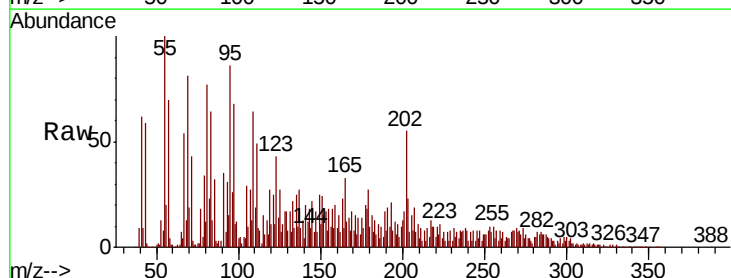


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

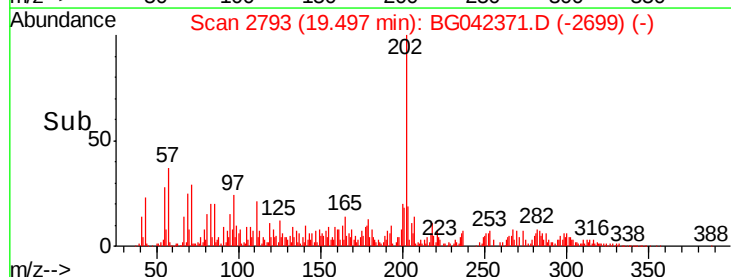
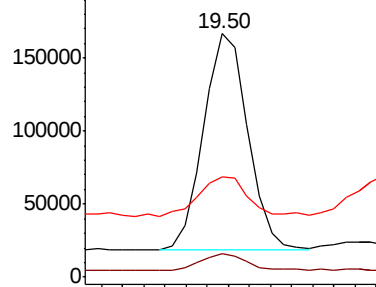


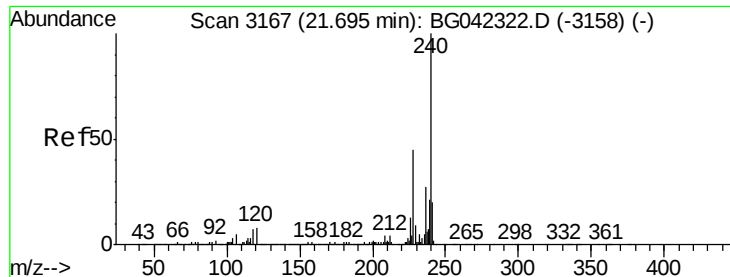
#75
Fluoranthene
Concen: 10.147 ng
RT: 19.50 min Scan# 2793
Delta R.T. 0.02 min
Lab File: BG042371.D
Acq: 20 Aug 2019 23:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	28.0
203	41.2	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

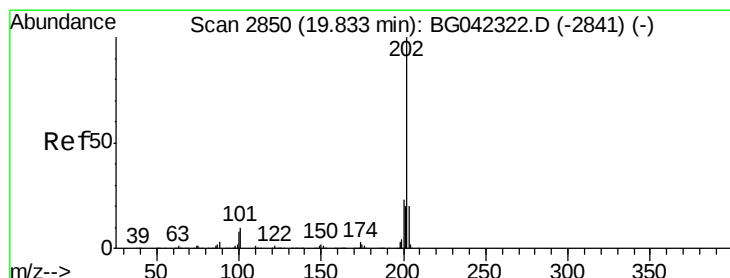
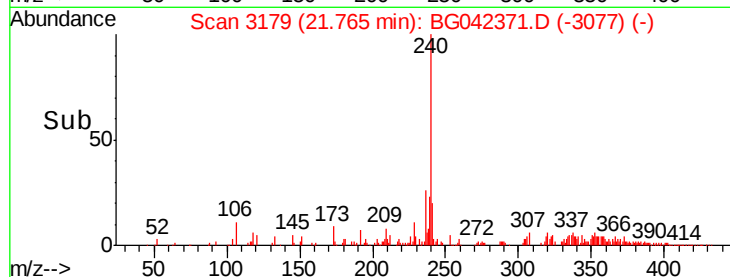
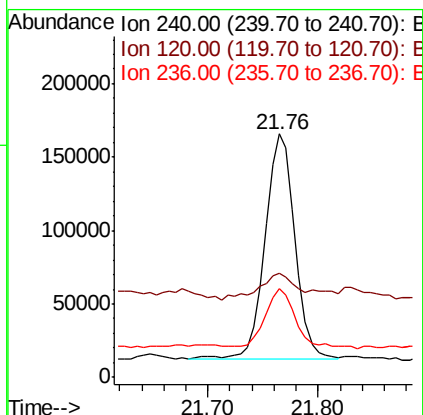
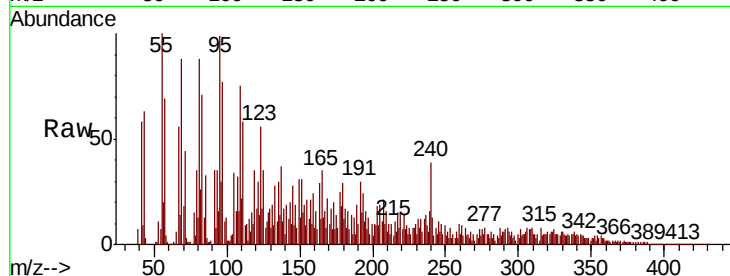




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.76 min Scan# 3179
 Delta R.T. 0.07 min
 Lab File: BG042371.D
 Acq: 20 Aug 2019 23:47

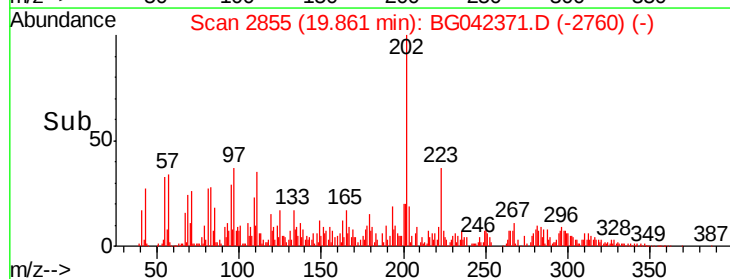
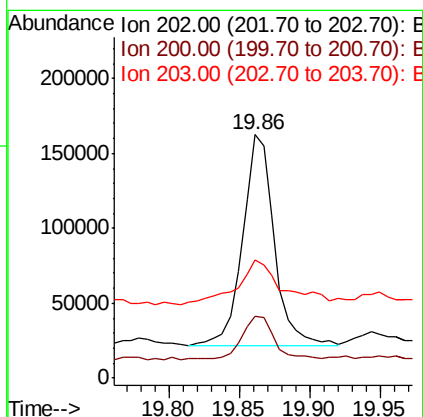
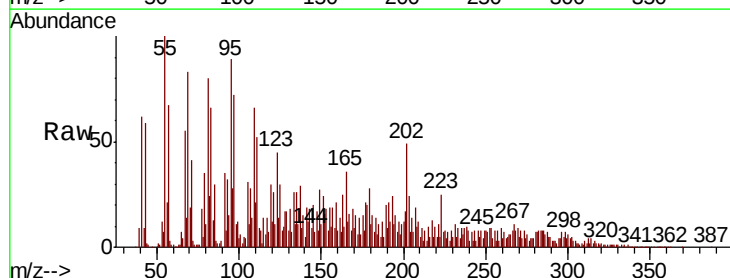
Instrument :
 BNA_G
 ClientSampled :

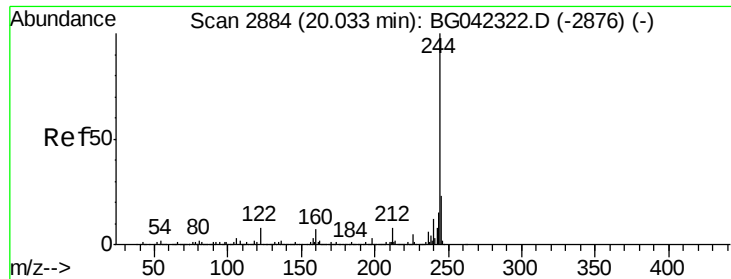
Tot Ion	Ion	Ratio	Lower	Upper
240	100			
120	43.0	6.0	9.0	
236	36.4	21.6	32.4	



#78
 Pyrene
 Concen: 12.555 ng
 RT: 19.86 min Scan# 2855
 Delta R.T. 0.03 min
 Lab File: BG042371.D
 Acq: 20 Aug 2019 23:47

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
200	25.1	18.1	27.1	
203	48.5	15.8	23.8	





#79

Terphenyl-d14

Concen: 81.112 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.03 min

Lab File: BG042371.D

Acq: 20 Aug 2019 23:47

Instrument :

BNA_G

ClientSampled :

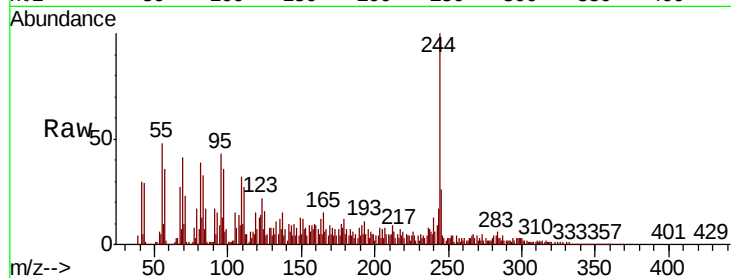
Tot Ion:244 Resp: 1060261

Ion Ratio Lower Upper

244 100

212 8.9 6.4 9.6

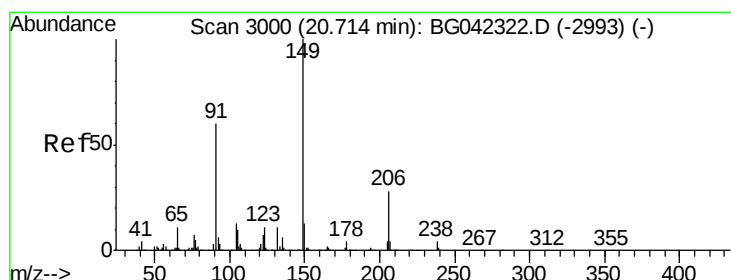
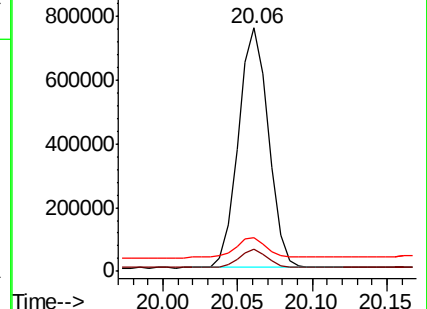
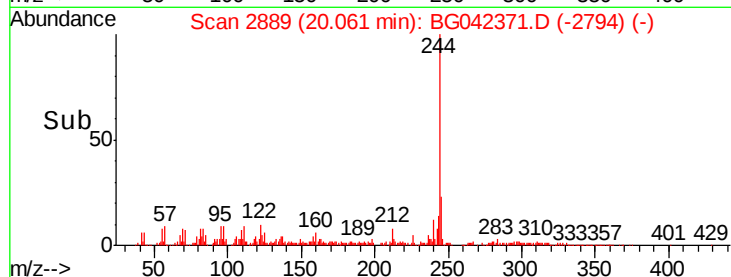
122 14.1 6.6 10.0#



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



#80

Butylbenzylphthalate

Concen: 2.961 ng

RT: 20.76 min Scan# 3008

Delta R.T. 0.05 min

Lab File: BG042371.D

Acq: 20 Aug 2019 23:47

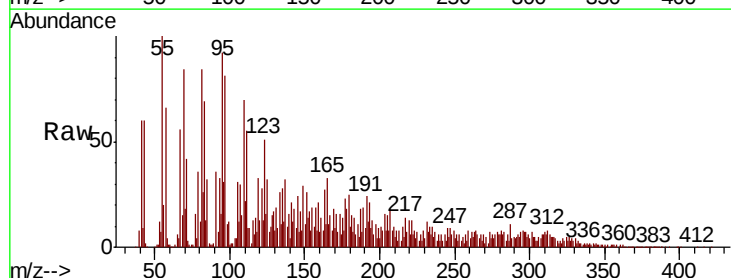
Tgt Ion:149 Resp: 20673

Ion Ratio Lower Upper

149 100

91 121.4 47.8 71.6#

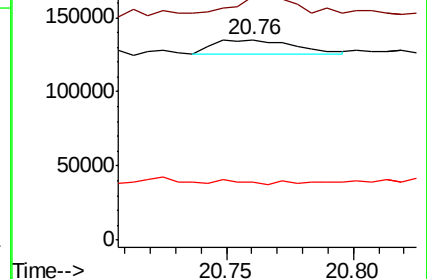
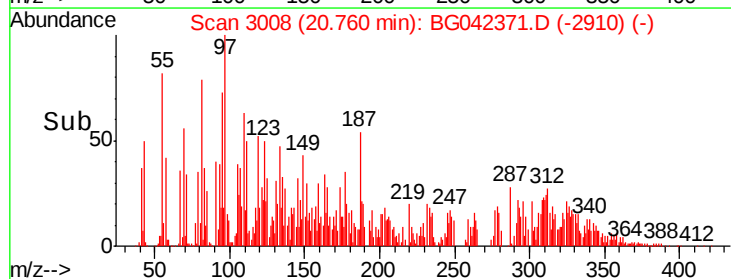
206 28.8 22.6 33.8

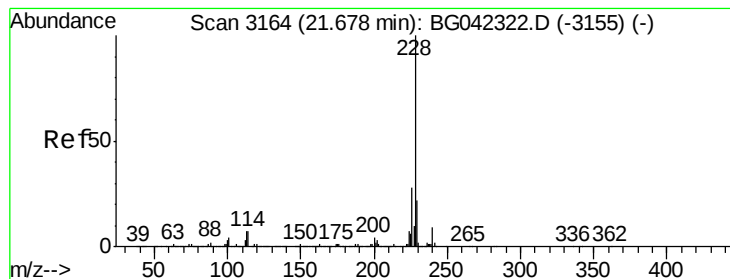


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 4.735 ng

RT: 21.75 min Scan# 3176

Delta R.T. 0.07 min

Lab File: BG042371.D

Acq: 20 Aug 2019 23:47

Instrument :

BNA_G

ClientSampleId :

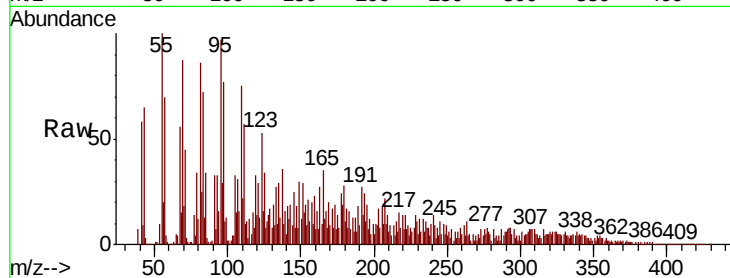
Tot Ion:228 Resp: 83261

Ion Ratio Lower Upper

228 100

226 46.8 22.7 34.1#

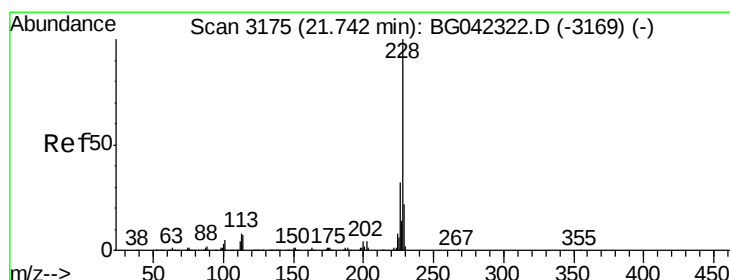
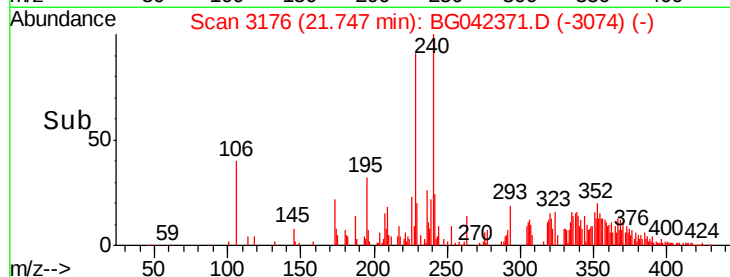
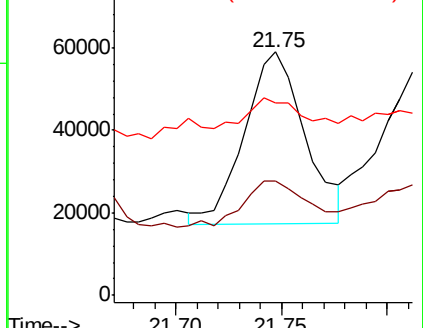
229 78.8 17.4 26.2#



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: 4.676 ng

RT: 21.81 min Scan# 3187

Delta R.T. 0.07 min

Lab File: BG042371.D

Acq: 20 Aug 2019 23:47

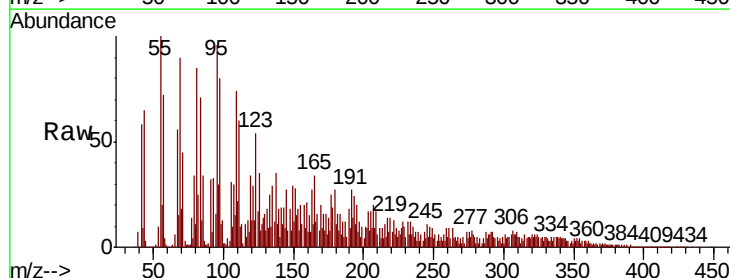
Tgt Ion:228 Resp: 78655

Ion Ratio Lower Upper

228 100

226 49.4 25.6 38.4#

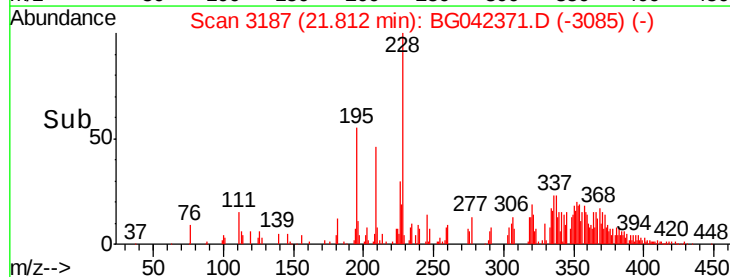
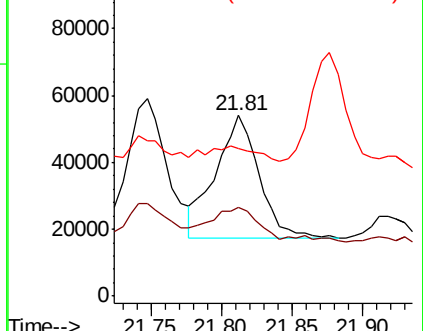
229 81.6 17.8 26.6#

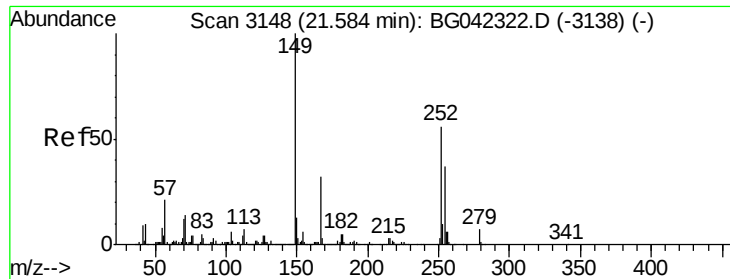


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.677 ng

RT: 21.67 min Scan# 3162

Delta R.T. 0.08 min

Lab File: BG042371.D

Acq: 20 Aug 2019 23:47

Instrument :

BNA_G

ClientSampleId :

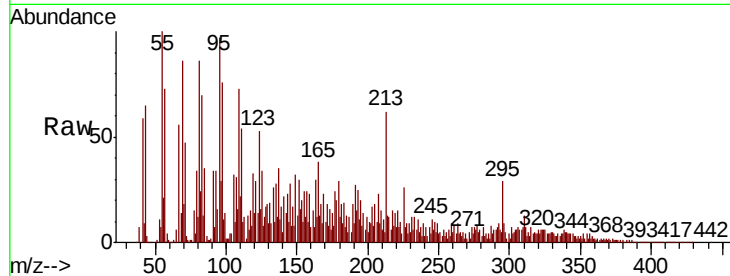
Tot Ion:149 Resp: 26060

Ion Ratio Lower Upper

149 100

167 57.2 25.4 38.0#

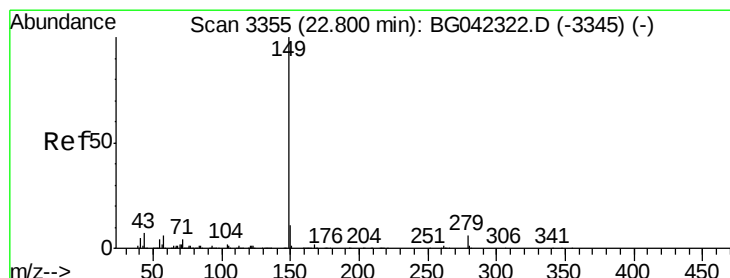
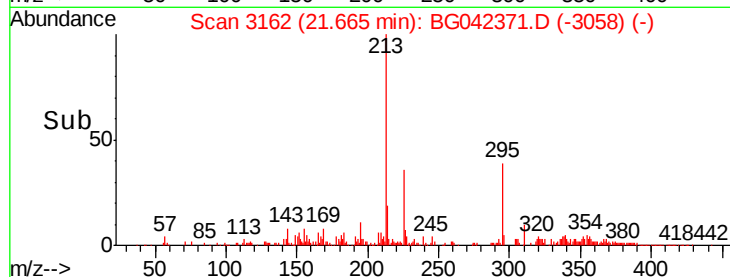
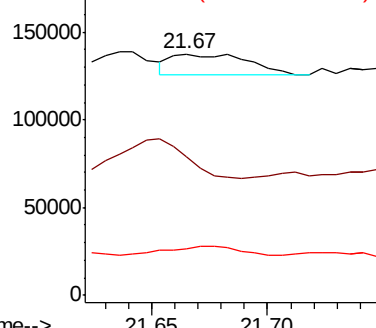
279 19.1 5.8 8.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 4.996 ng

RT: 22.93 min Scan# 3377

Delta R.T. 0.13 min

Lab File: BG042371.D

Acq: 20 Aug 2019 23:47

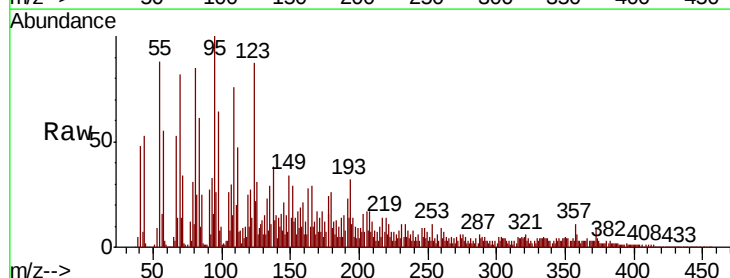
Tgt Ion:149 Resp: 82965

Ion Ratio Lower Upper

149 100

167 2.9 1.4 2.2#

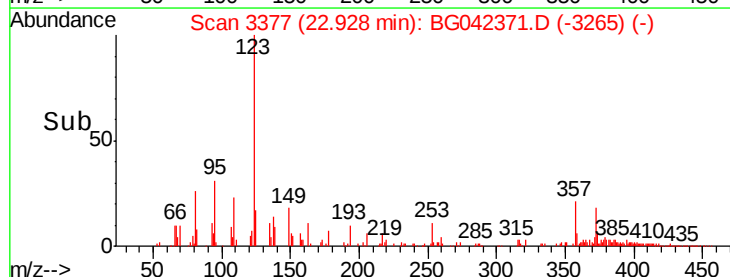
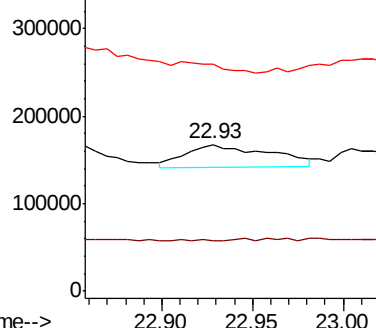
43 0.0 5.4 8.2#

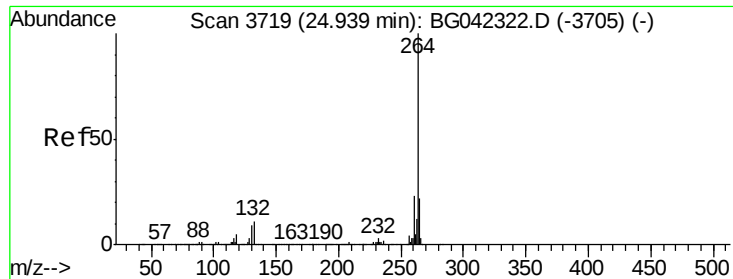


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.21 min Scan# 3766

Delta R.T. 0.28 min

Lab File: BG042371.D

Acq: 20 Aug 2019 23:47

Instrument :

BNA_G

ClientSampleId :

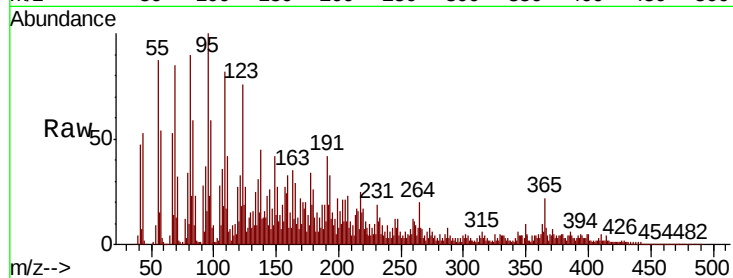
Tot Ion:264 Resp: 373956

Ion Ratio Lower Upper

264 100

260 54.2 18.4 27.6#

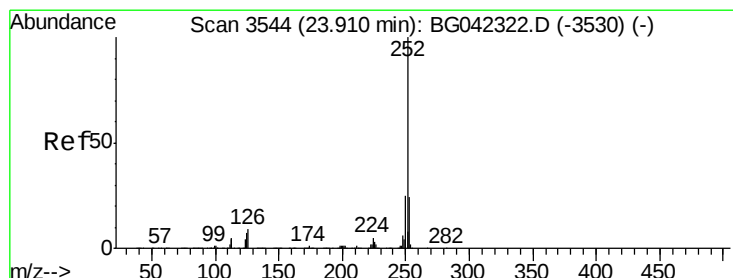
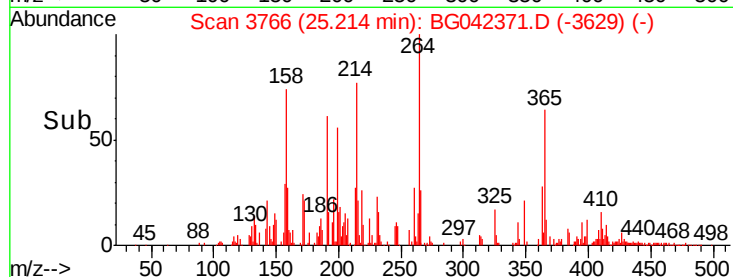
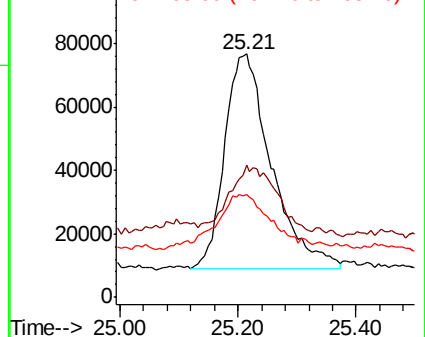
265 42.2 17.4 26.0#



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: 4.857 ng

RT: 24.10 min Scan# 3577

Delta R.T. 0.19 min

Lab File: BG042371.D

Acq: 20 Aug 2019 23:47

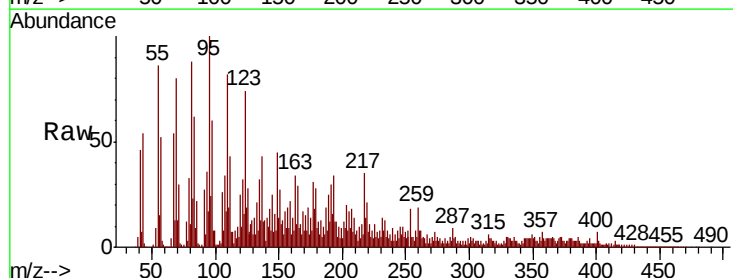
Tgt Ion:252 Resp: 99824

Ion Ratio Lower Upper

252 100

253 216.1 18.9 28.3#

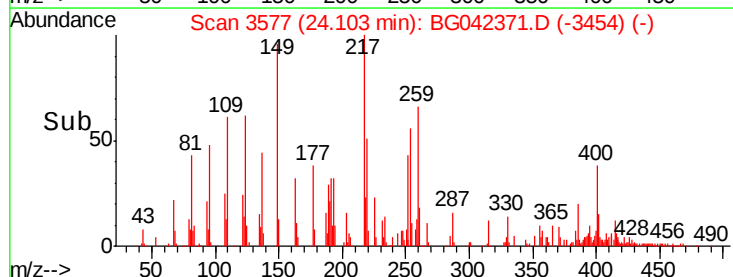
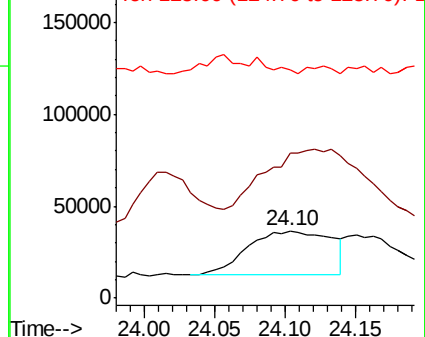
125 340.9 5.8 8.6#

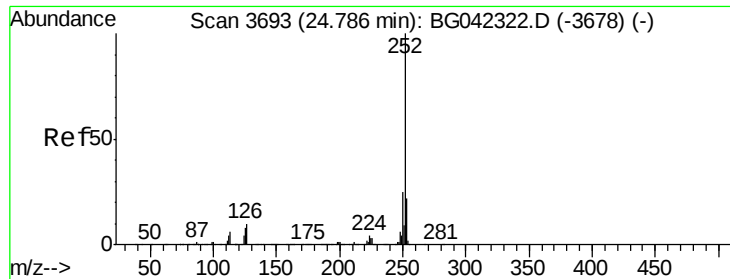


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 5.909 ng

RT: 25.02 min Scan# 3733

Delta R.T. 0.23 min

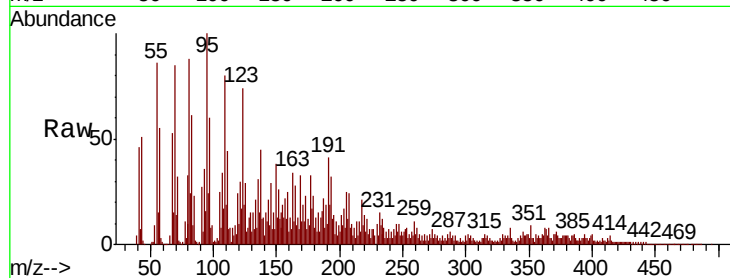
Lab File: BG042371.D

Acq: 20 Aug 2019 23:47

Instrument :

BNA_G

ClientSampleId :



Tot Ion:252	Resp:	116391
Ion Ratio	Lower	Upper
252	100	
253	108.1	17.9 26.9#
125	408.4	6.7 10.1#

