

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082119\
 Data File : BG042394.D
 Acq On : 21 Aug 2019 21:55
 Operator : HP/JU
 Sample : K4413-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 22 03:11:24 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

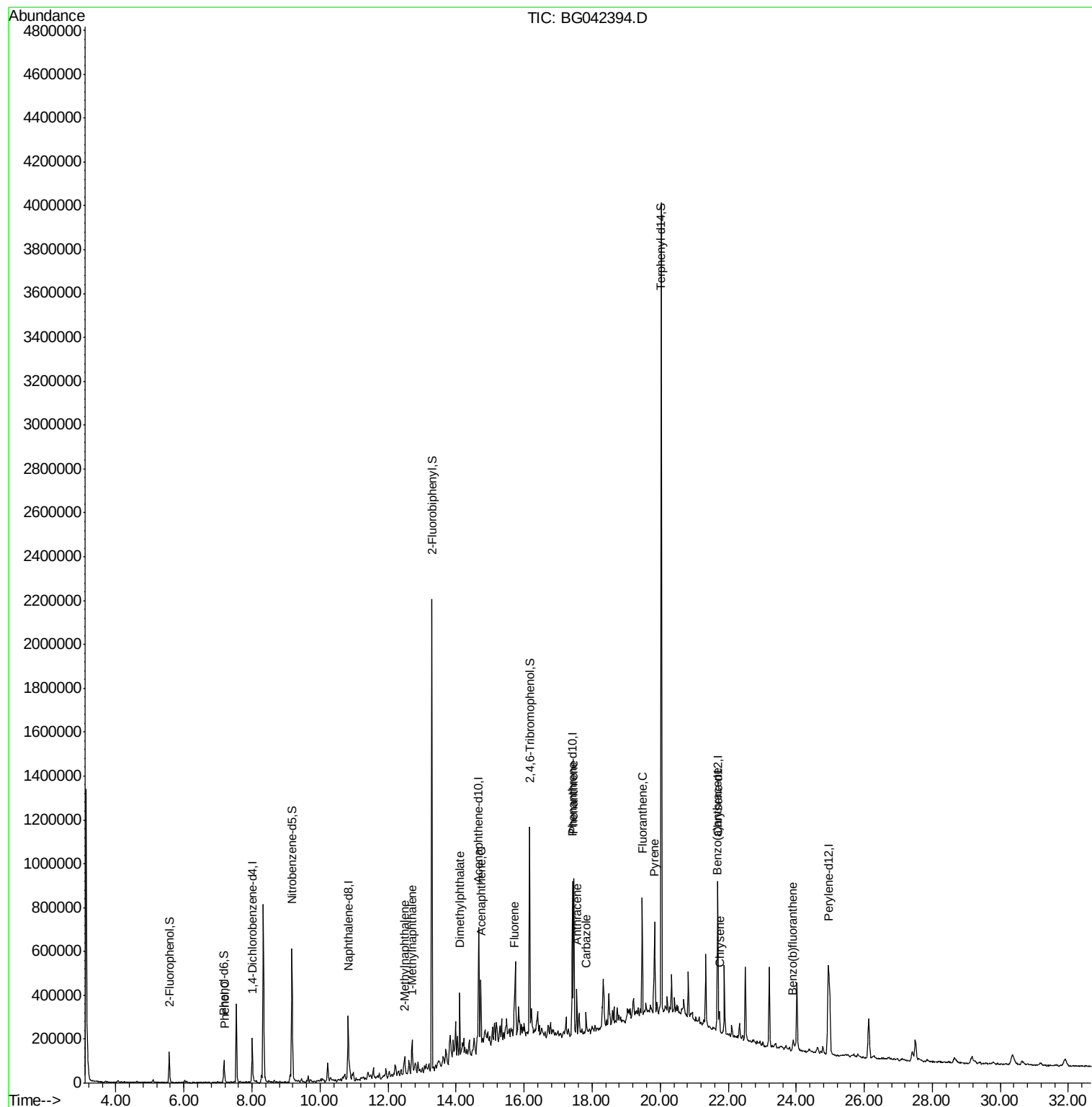
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	66134	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	272716	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	212829	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	481183	20.00	ng	0.00
76) Chrysene-d12	21.70	240	397160	20.00	ng	0.00
87) Perylene-d12	24.94	264	480058	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	80980	24.81	ng	0.00
7) Phenol-d6	7.17	99	74682	16.85	ng	0.00
23) Nitrobenzene-d5	9.18	82	388388	100.16	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	228870	78.96	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	1212328	96.39	ng	0.00
79) Terphenyl-d14	20.03	244	1847935	101.91	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.20	94	11082	2.459	ng	87
37) 2-Methylnaphthalene	12.49	142	39755	3.924	ng	91
38) 1-Methylnaphthalene	12.71	142	68408m	7.089	ng	
50) Dimethylphthalate	14.11	163	223559	14.783	ng	99
52) Acenaphthene	14.73	154	123953	11.418	ng	94
58) Fluorene	15.71	166	94487	6.569	ng	98
71) Phenanthrene	17.46	178	489095	20.409	ng	98
72) Anthracene	17.55	178	151355	6.333	ng	98
73) Carbazole	17.82	167	51126	2.408	ng	# 92
75) Fluoranthene	19.47	202	357038	12.355	ng	98
78) Pyrene	19.83	202	272590	11.154	ng	97
81) Benzo(a)anthracene	21.68	228	72833	2.986	ng	97
83) Chrysene	21.74	228	62454	2.677	ng	96
88) Benzo(b)fluoranthene	23.92	252	64421	2.441	ng	# 98

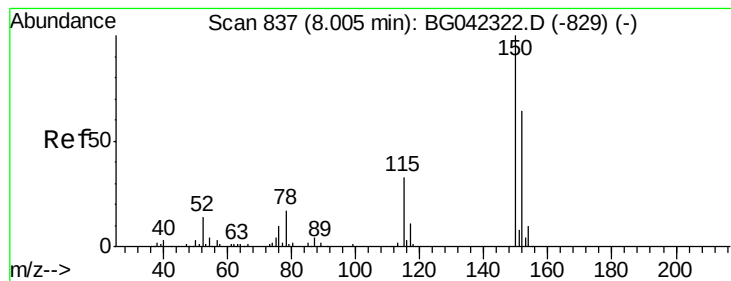
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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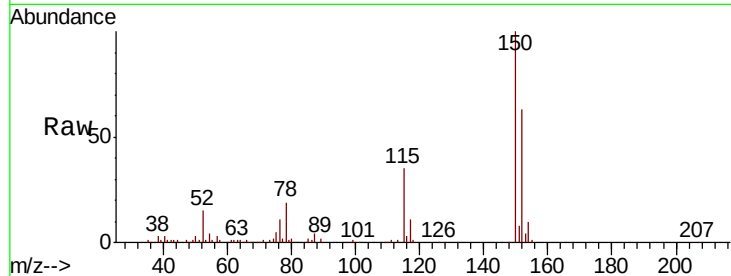


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG042394.D
Acq: 21 Aug 2019 21:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.3	186.5
115	55.1	40.5	60.7

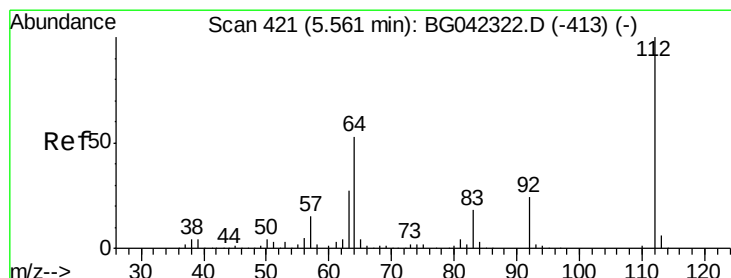
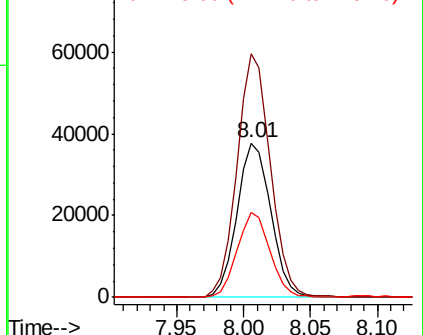
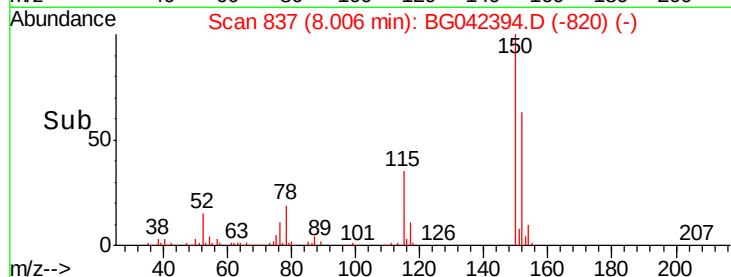


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

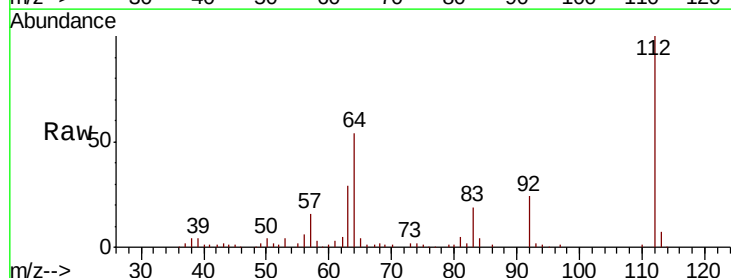
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 24.809 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.01 min
Lab File: BG042394.D
Acq: 21 Aug 2019 21:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	42.5	63.7
63	29.0	21.7	32.5

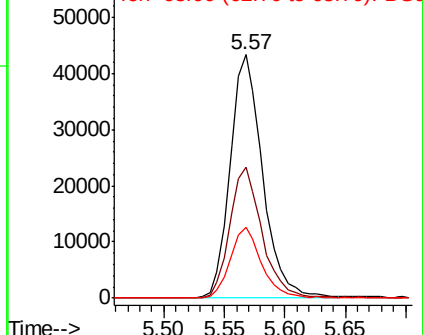
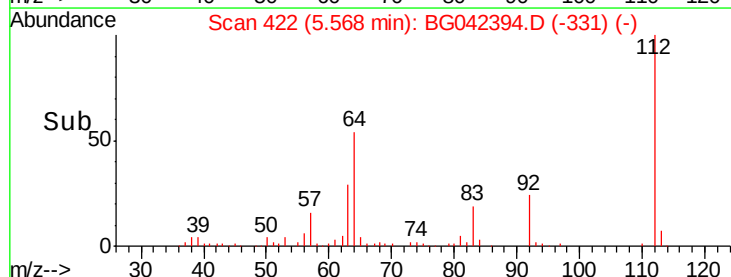


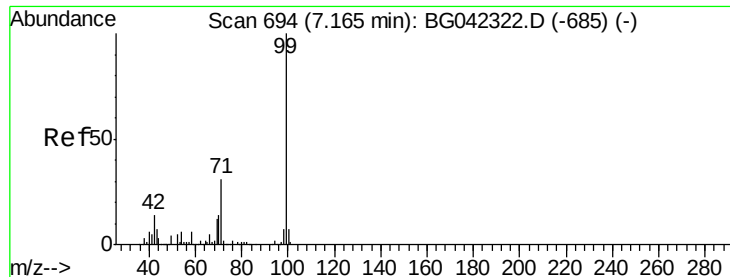
Abundance

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: 16.847 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042394.D

Acq: 21 Aug 2019 21:55

Instrument :

BNA_G

ClientSampled :

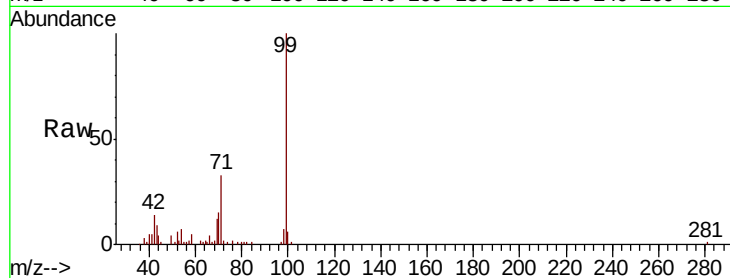
Tot Ion: 99 Resp: 74682

Ion Ratio Lower Upper

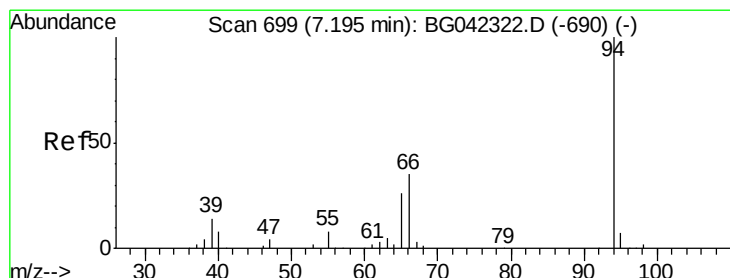
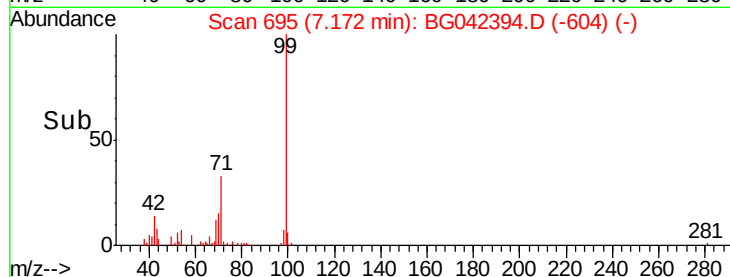
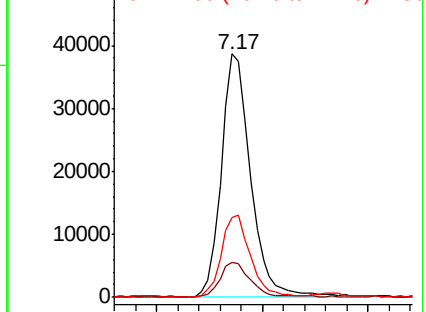
99 100

42 14.3 11.4 17.0

71 32.8 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



#10

Phenol

Concen: 2.459 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.01 min

Lab File: BG042394.D

Acq: 21 Aug 2019 21:55

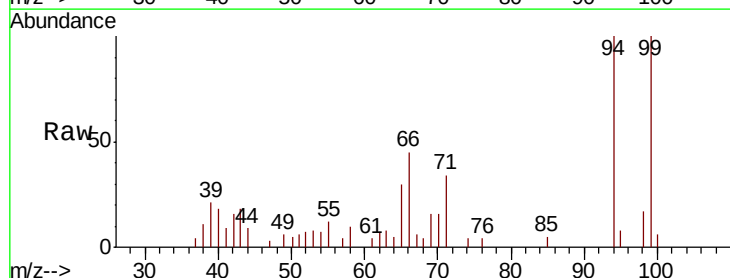
Tgt Ion: 94 Resp: 11082

Ion Ratio Lower Upper

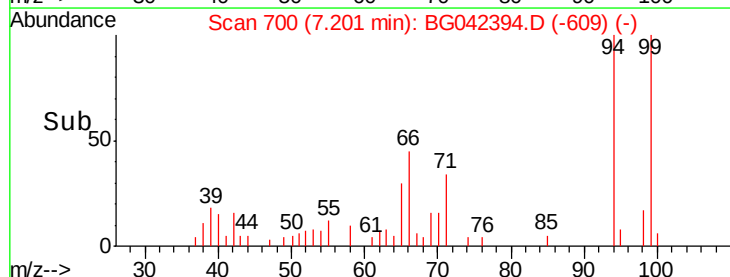
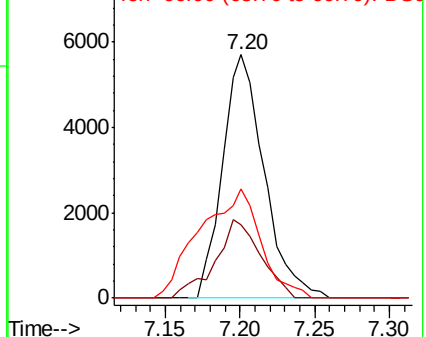
94 100

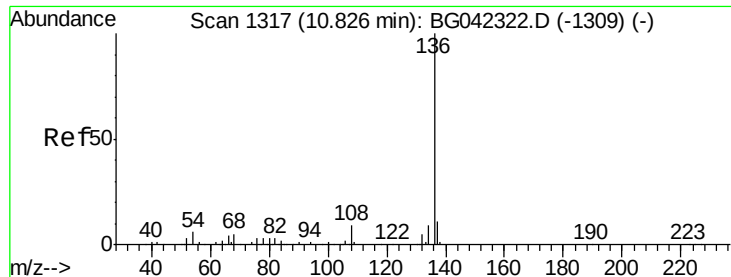
65 30.3 6.1 46.1

66 45.0 15.7 55.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

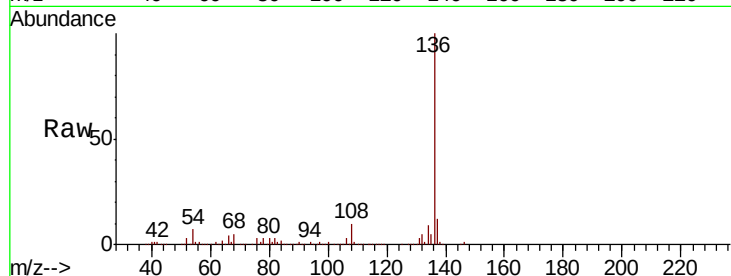




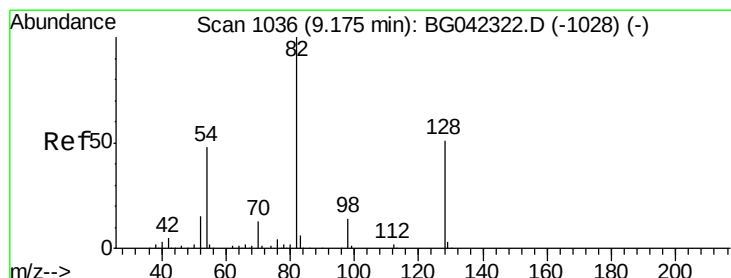
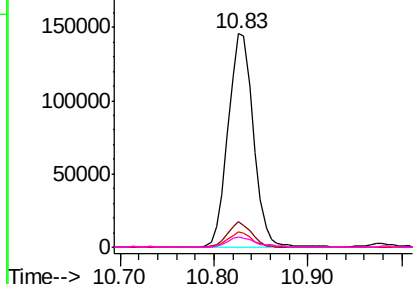
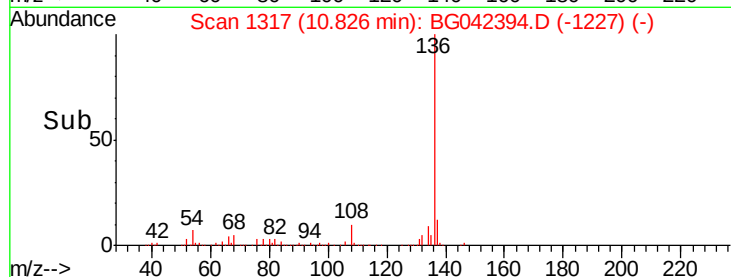
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG042394.D
Acq: 21 Aug 2019 21:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	272716
Ion Ratio	Lower	Upper
136 100		
137 11.8	8.4	12.6
54 7.1	5.0	7.4
68 5.1	3.8	5.8

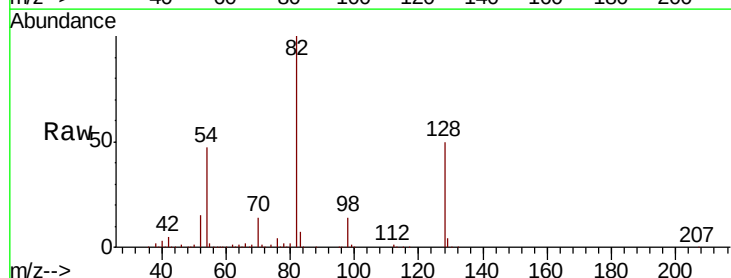


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

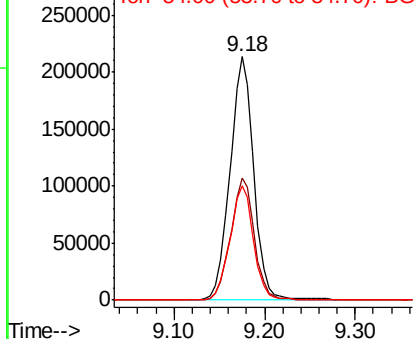
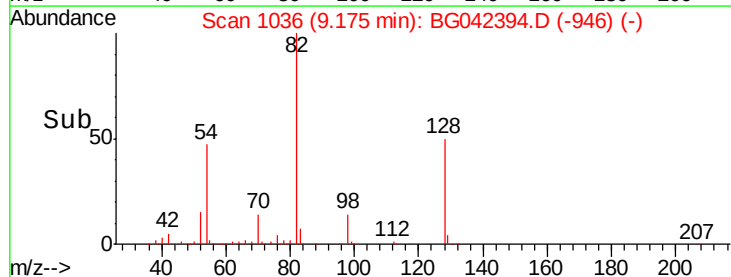


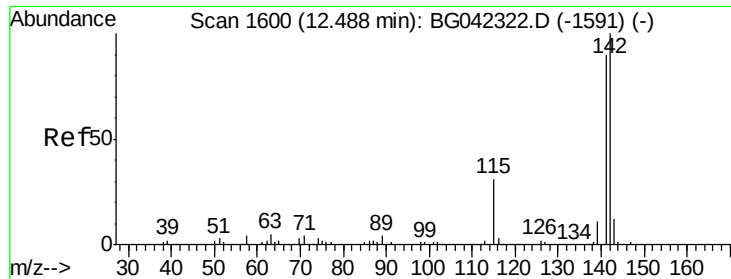
#23
Nitrobenzene-d5
Concen: 100.165 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BG042394.D
Acq: 21 Aug 2019 21:55

Tgt	Ion: 82	Resp:	388388
Ion	Ratio	Lower	Upper
82	100		
128	50.0	41.0	61.4
54	46.9	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

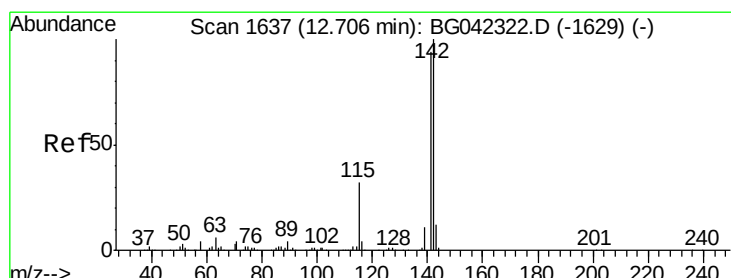
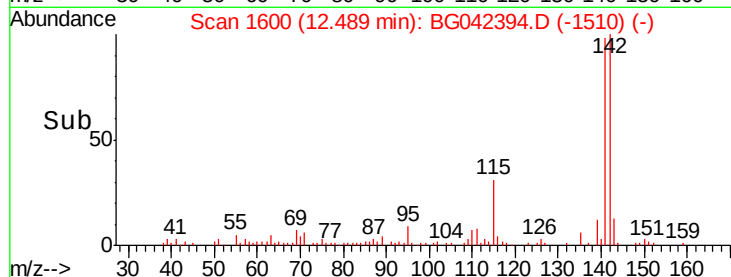
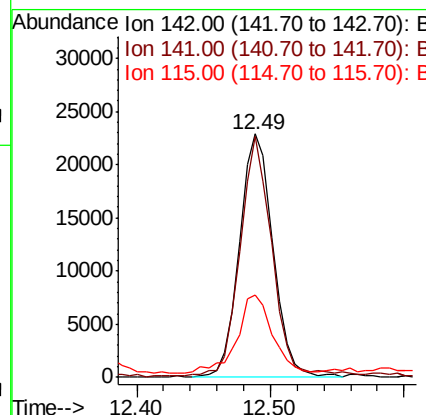
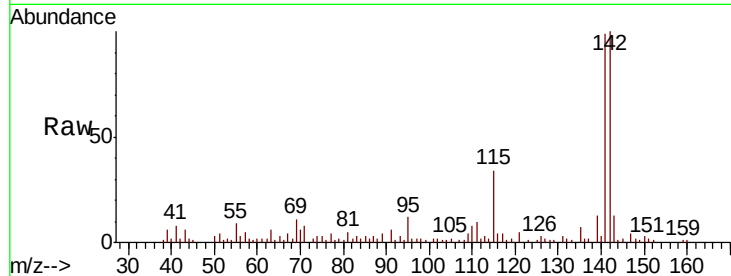




#37
2-Methylnaphthalene
Concen: 3.924 ng
RT: 12.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: BG042394.D
Acq: 21 Aug 2019 21:55

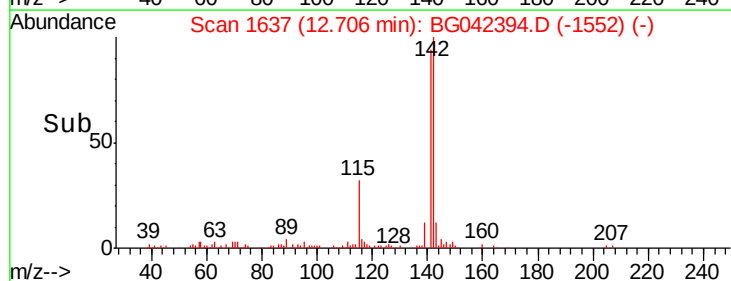
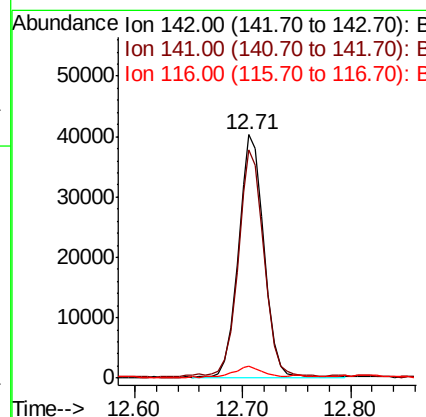
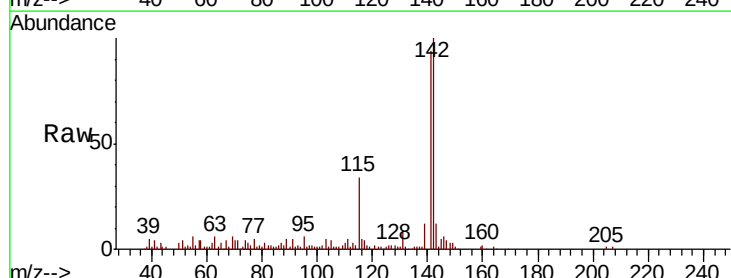
Instrument :
BNA_G
ClientSampleId :

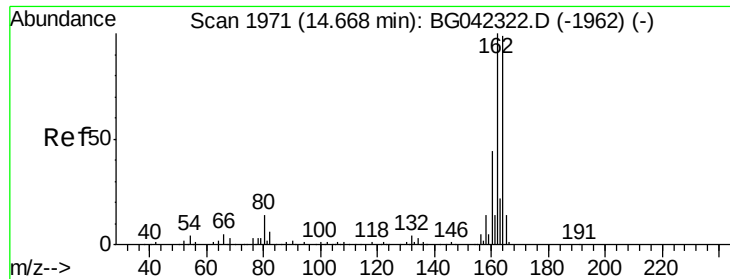
Tot Ion	Ratio	Lower	Upper
142	100		
141	99.0	72.1	108.1
115	34.1	24.4	36.6



#38
1-Methylnaphthalene
Concen: 7.089 ng m
RT: 12.71 min Scan# 1637
Delta R.T. 0.00 min
Lab File: BG042394.D
Acq: 21 Aug 2019 21:55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.6	75.1	112.7
116	5.0	3.0	4.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BG042394.D

Acq: 21 Aug 2019 21:55

Instrument :

BNA_G

ClientSampleId :

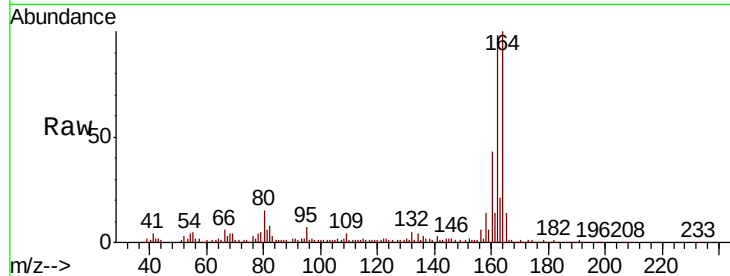
Tot Ion:164 Resp: 212829

Ion Ratio Lower Upper

164 100

162 97.7 80.6 120.8

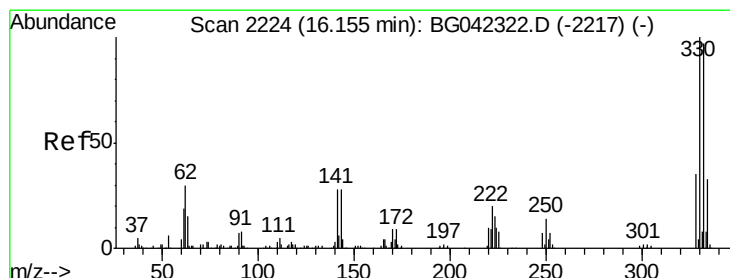
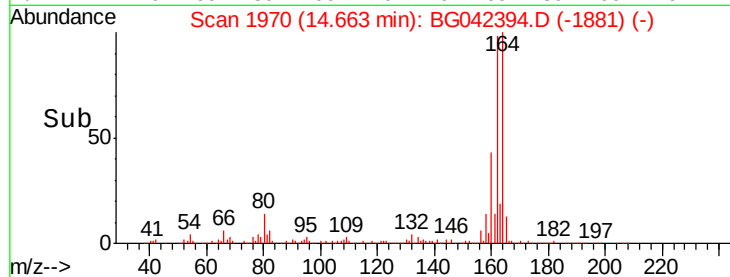
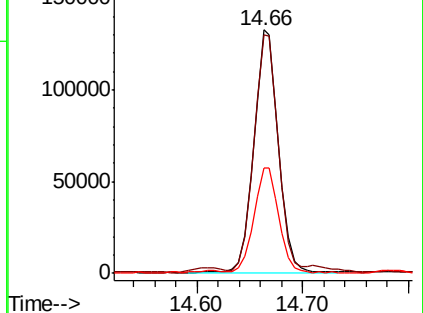
160 43.2 35.7 53.5



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



#42

2,4,6-Tribromophenol

Concen: 78.957 ng

RT: 16.16 min Scan# 2225

Delta R.T. 0.01 min

Lab File: BG042394.D

Acq: 21 Aug 2019 21:55

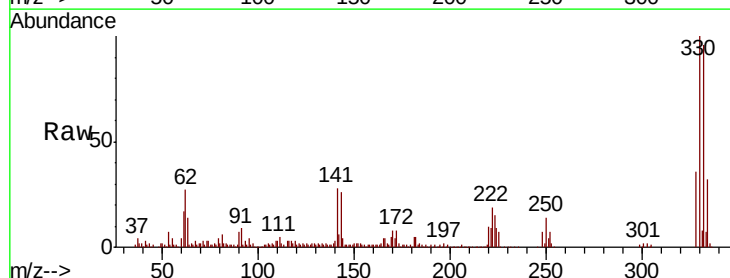
Tgt Ion:330 Resp: 228870

Ion Ratio Lower Upper

330 100

332 96.0 76.9 115.3

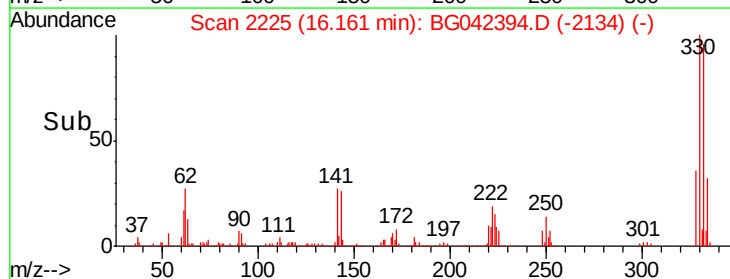
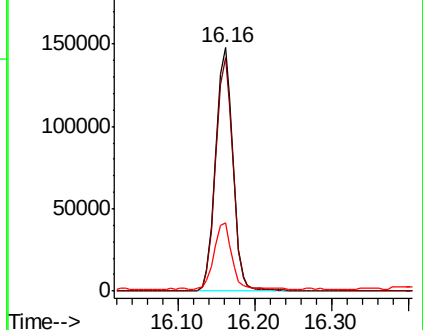
141 26.7 21.8 32.6

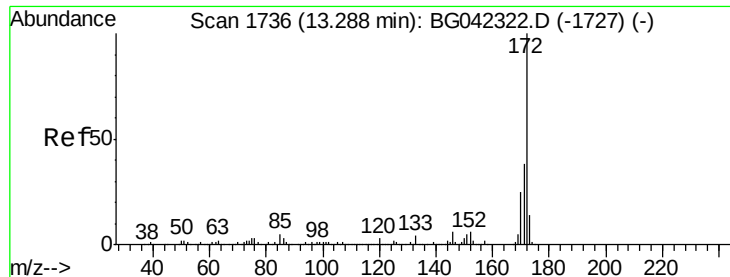


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

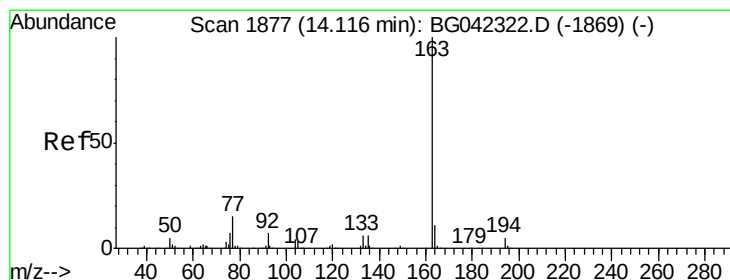
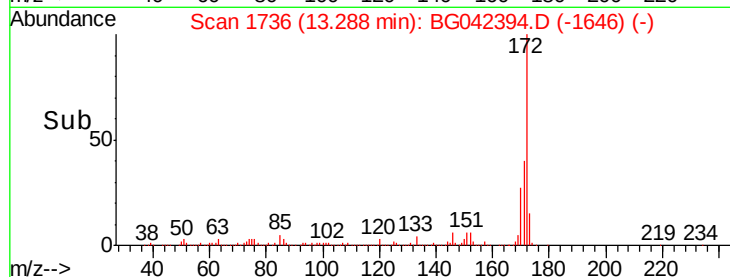
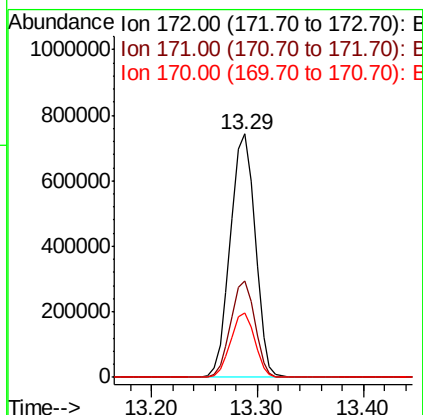
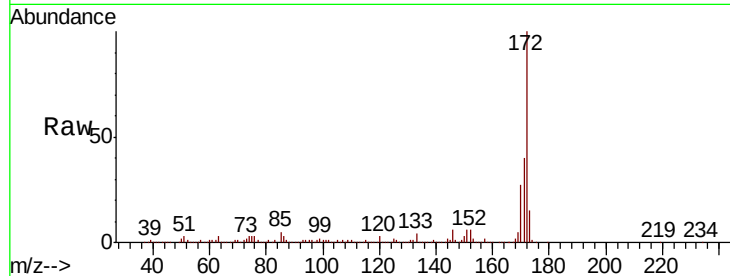




#45
 2-Fluorobiphenyl
 Concen: 96.390 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. 0.00 min
 Lab File: BG042394.D
 Acq: 21 Aug 2019 21:55

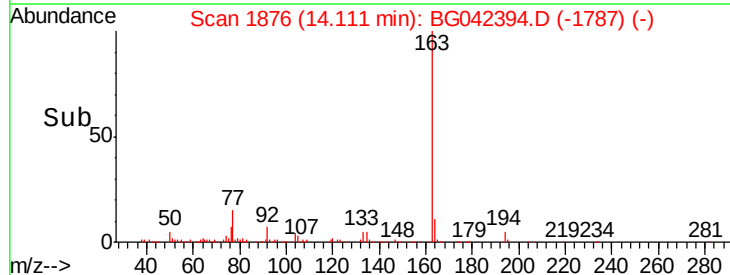
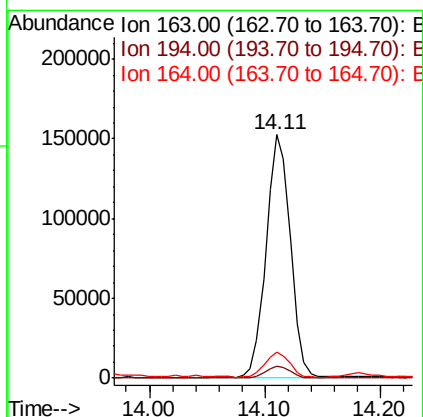
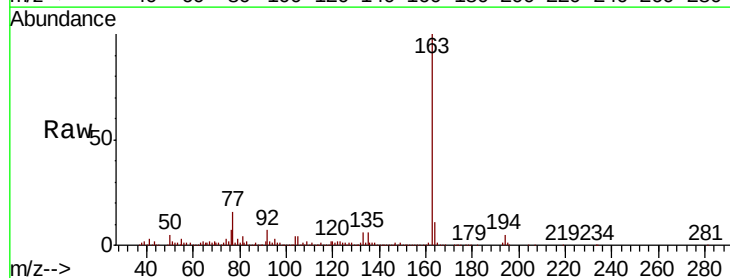
Instrument :
 BNA_G
 ClientSampled :

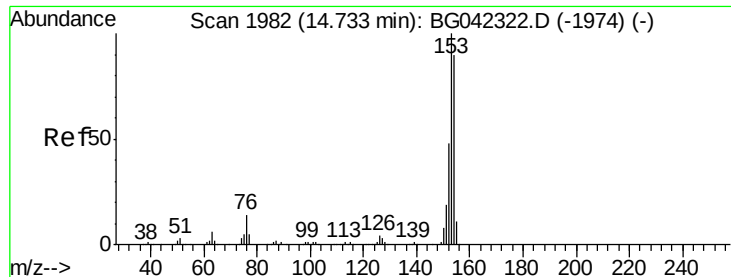
Tot Ion:172 Resp: 1212328
 Ion Ratio Lower Upper
 172 100
 171 39.7 30.3 45.5
 170 26.6 20.0 30.0



#50
 Dimethylphthalate
 Concen: 14.783 ng
 RT: 14.11 min Scan# 1876
 Delta R.T. -0.01 min
 Lab File: BG042394.D
 Acq: 21 Aug 2019 21:55

Tgt Ion:163 Resp: 223559
 Ion Ratio Lower Upper
 163 100
 194 5.0 4.2 6.2
 164 10.8 8.8 13.2





#52

Acenaphthene

Concen: 11.418 ng

RT: 14.73 min Scan# 1981

Delta R.T. -0.01 min

Lab File: BG042394.D

Acq: 21 Aug 2019 21:55

Instrument :

BNA_G

ClientSampleId :

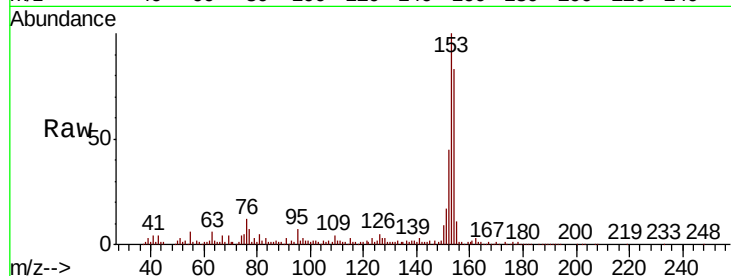
Tot Ion:154 Resp: 123953

Ion Ratio Lower Upper

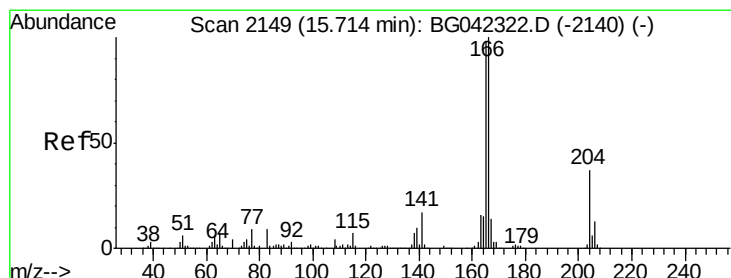
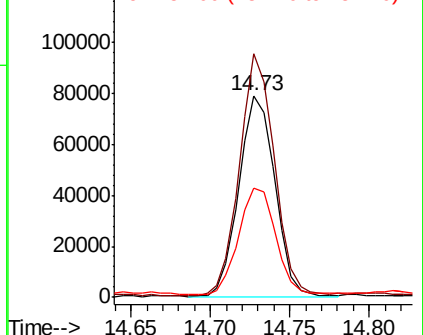
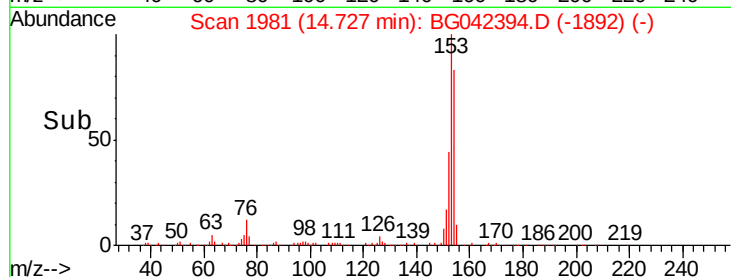
154 100

153 120.8 89.4 134.0

152 54.0 43.1 64.7



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 6.569 ng

RT: 15.71 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BG042394.D

Acq: 21 Aug 2019 21:55

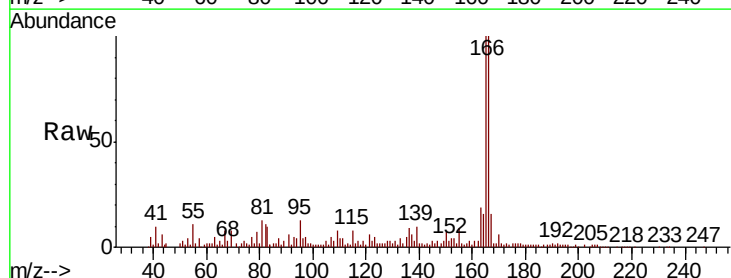
Tgt Ion:166 Resp: 94487

Ion Ratio Lower Upper

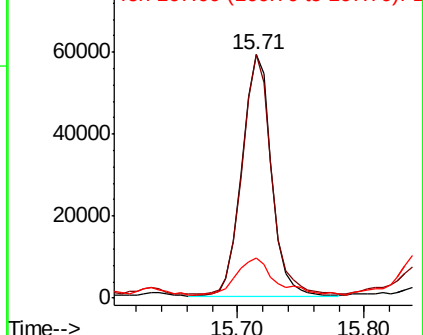
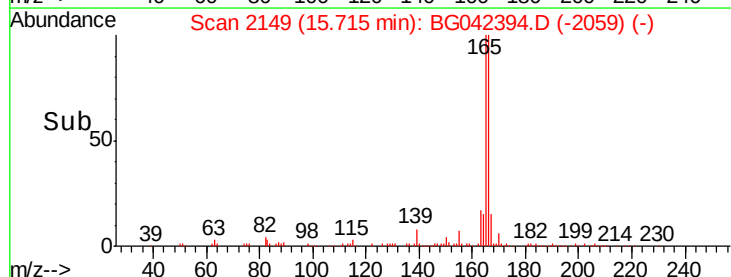
166 100

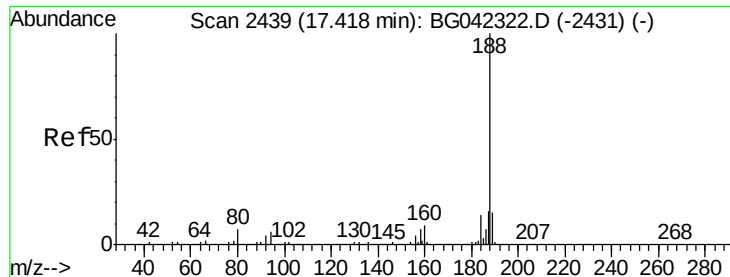
165 100.1 78.7 118.1

167 16.3 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

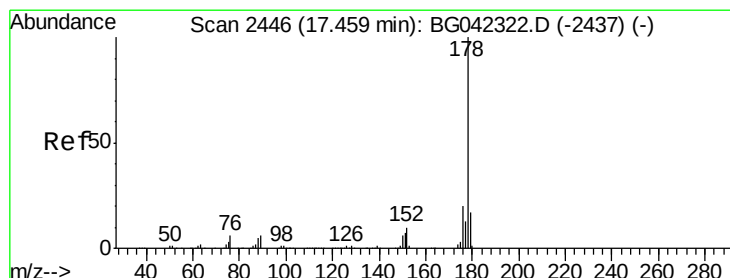
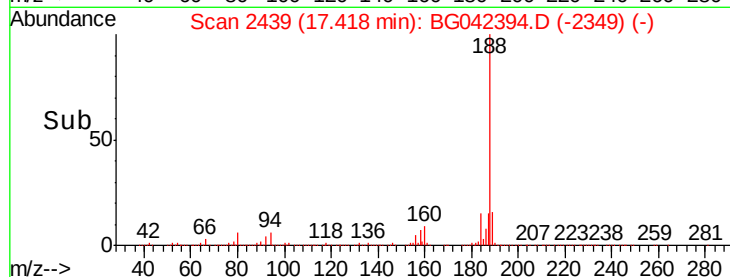
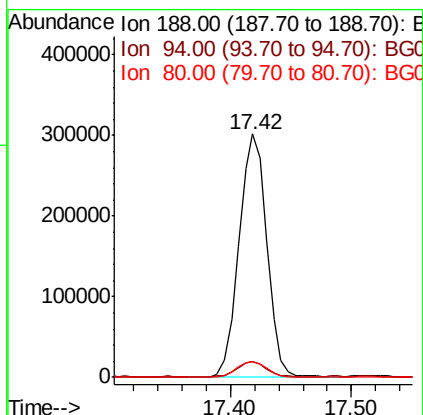
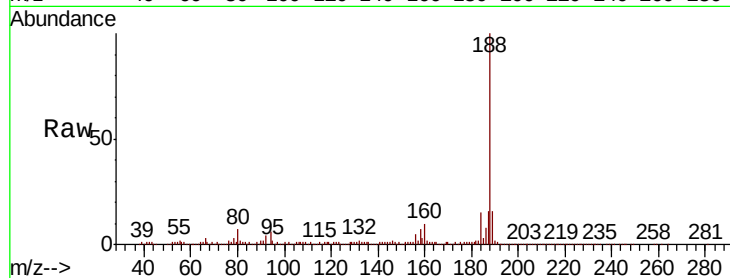




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2439
Delta R.T. 0.00 min
Lab File: BG042394.D
Acq: 21 Aug 2019 21:55

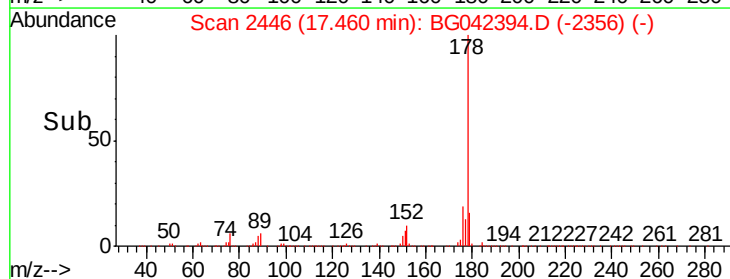
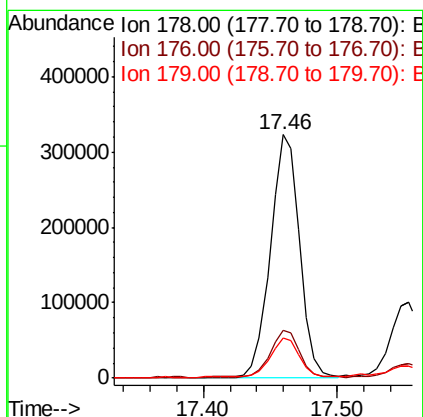
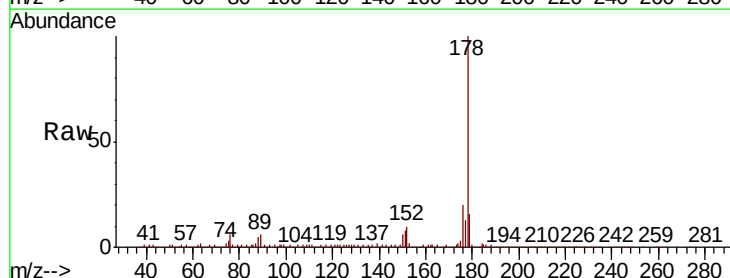
Instrument :
BNA_G
ClientSampleId :

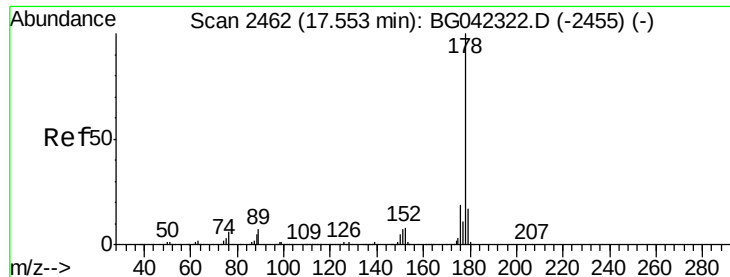
Tot Ion:188 Resp: 481183
Ion Ratio Lower Upper
188 100
94 6.3 4.9 7.3
80 6.6 5.4 8.0



#71
Phenanthrene
Concen: 20.409 ng
RT: 17.46 min Scan# 2446
Delta R.T. 0.00 min
Lab File: BG042394.D
Acq: 21 Aug 2019 21:55

Tgt Ion:178 Resp: 489095
Ion Ratio Lower Upper
178 100
176 19.7 16.2 24.4
179 16.3 13.7 20.5





#72

Anthracene

Concen: 6.333 ng

RT: 17.55 min Scan# 2462

Delta R.T. 0.00 min

Lab File: BG042394.D

Acq: 21 Aug 2019 21:55

Instrument :

BNA_G

ClientSampleId :

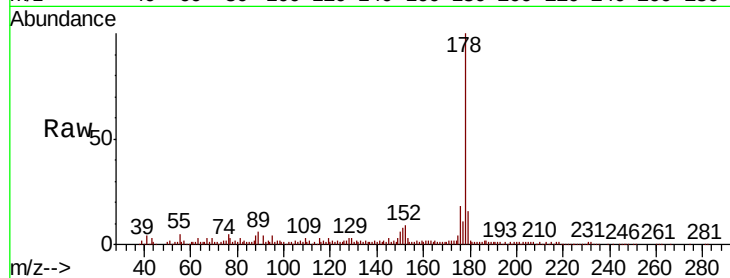
Tot Ion:178 Resp: 151355

Ion Ratio Lower Upper

178 100

176 18.3 15.5 23.3

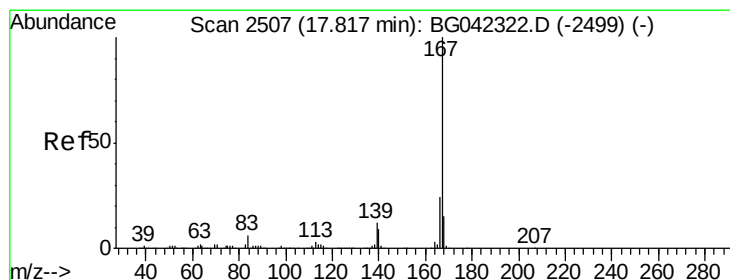
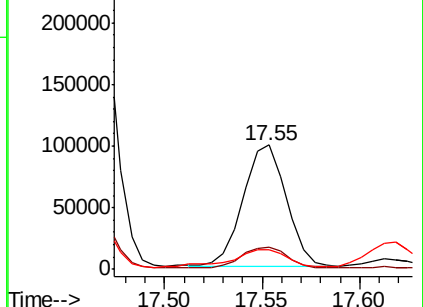
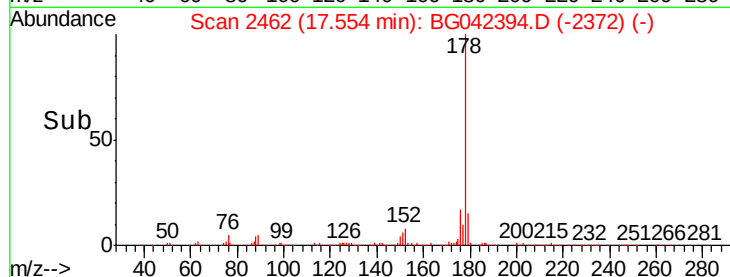
179 16.1 13.6 20.4



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



#73

Carbazole

Concen: 2.408 ng

RT: 17.82 min Scan# 2508

Delta R.T. 0.01 min

Lab File: BG042394.D

Acq: 21 Aug 2019 21:55

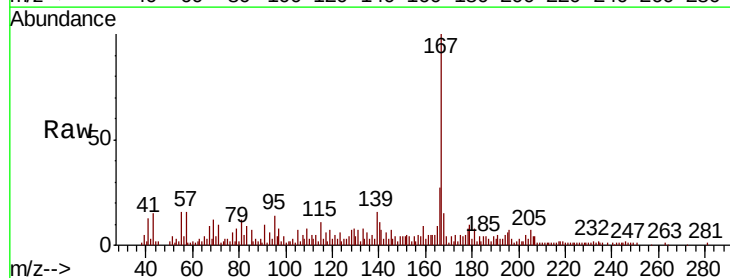
Tgt Ion:167 Resp: 51126

Ion Ratio Lower Upper

167 100

166 26.8 19.0 28.6

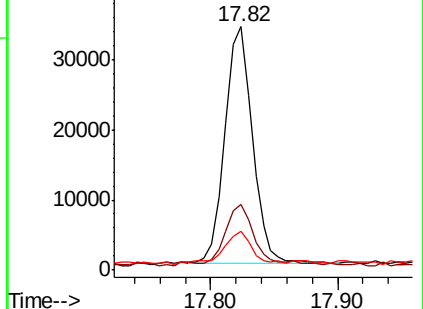
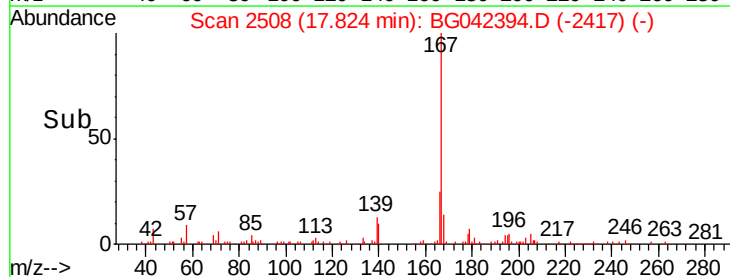
139 16.1 9.7 14.5#

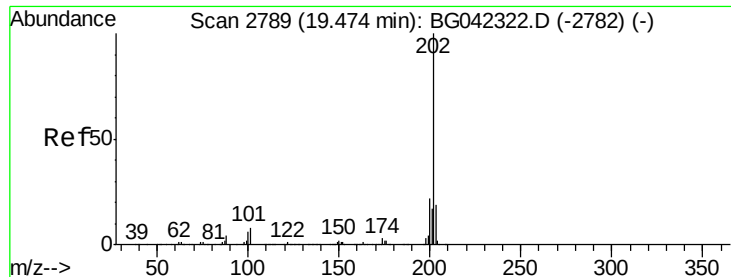


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 12.355 ng

RT: 19.47 min Scan# 2789

Delta R.T. 0.00 min

Lab File: BG042394.D

Acq: 21 Aug 2019 21:55

Instrument :

BNA_G

ClientSampleId :

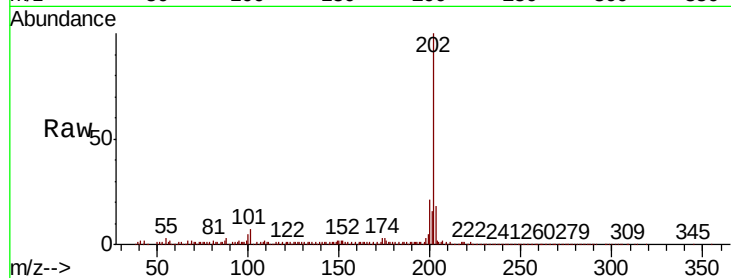
Tot Ion:202 Resp: 357038

Ion Ratio Lower Upper

202 100

101 6.8 0.0 28.0

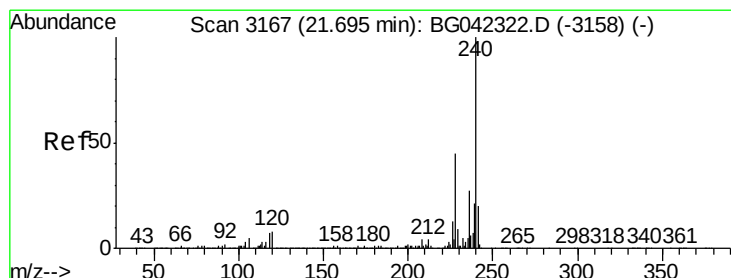
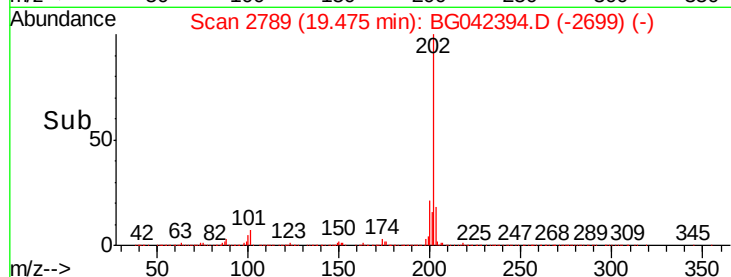
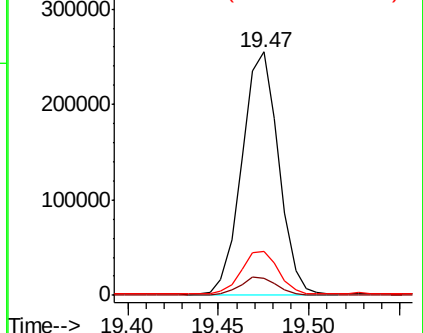
203 18.2 0.0 39.1



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: 21.70 min Scan# 3167

Delta R.T. 0.00 min

Lab File: BG042394.D

Acq: 21 Aug 2019 21:55

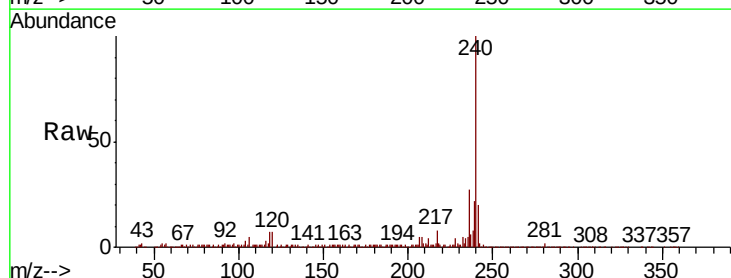
Tgt Ion:240 Resp: 397160

Ion Ratio Lower Upper

240 100

120 7.2 6.0 9.0

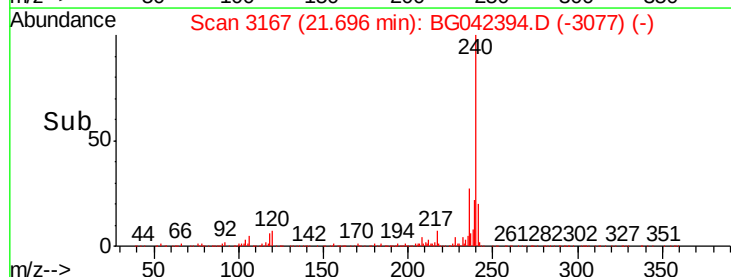
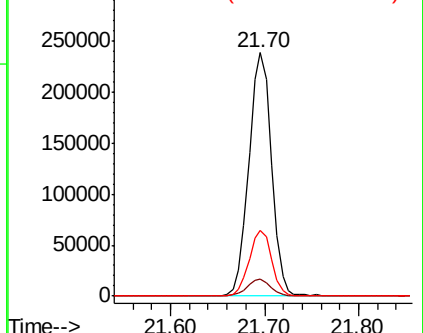
236 27.1 21.6 32.4

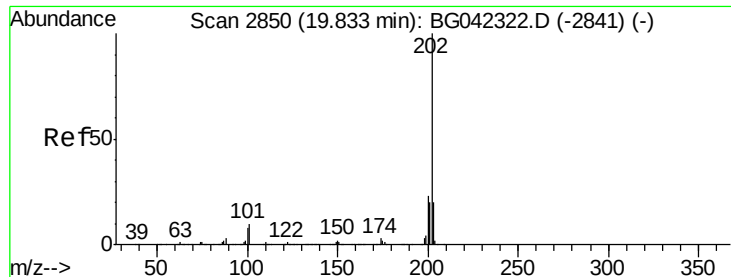


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

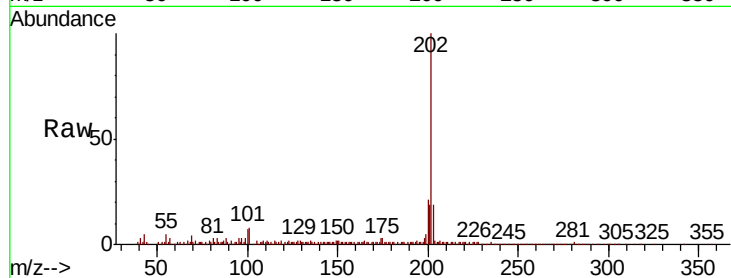




#78
Pvrene
Concen: 11.154 ng
RT: 19.83 min Scan# 2850
Delta R.T. 0.00 min
Lab File: BG042394.D
Acq: 21 Aug 2019 21:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	18.1	27.1
203	18.6	15.8	23.8

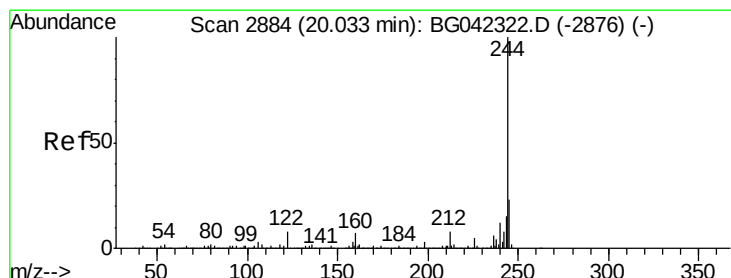
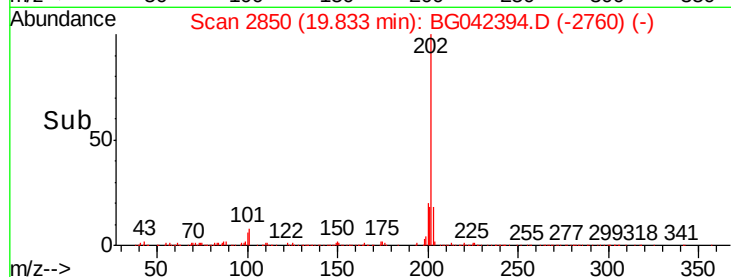
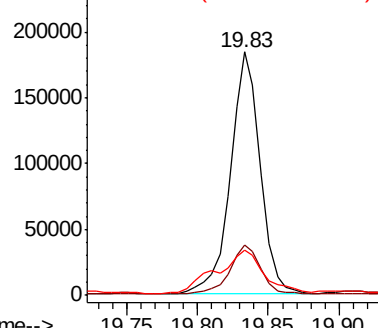


Abundance

Ion 202.00 (201.70 to 202.70): E

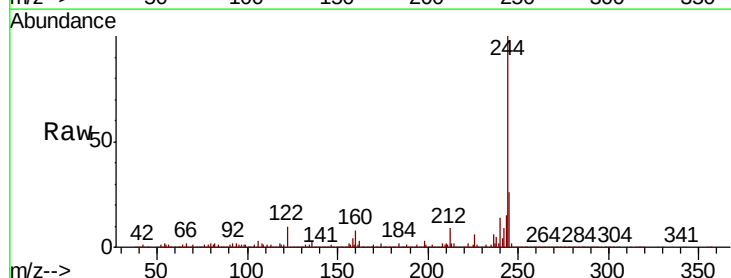
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 101.911 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.00 min
Lab File: BG042394.D
Acq: 21 Aug 2019 21:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.9	6.4	9.6
122	9.5	6.6	10.0

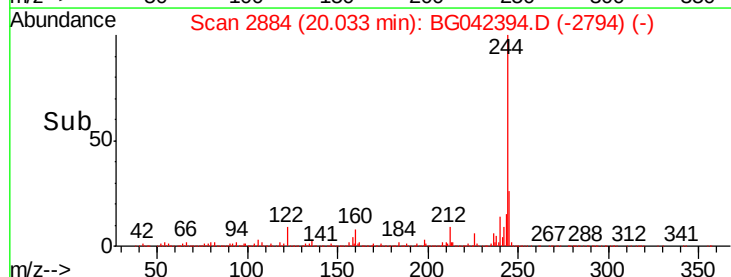
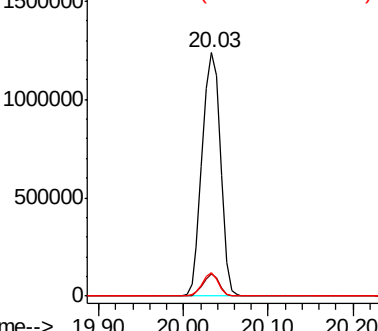


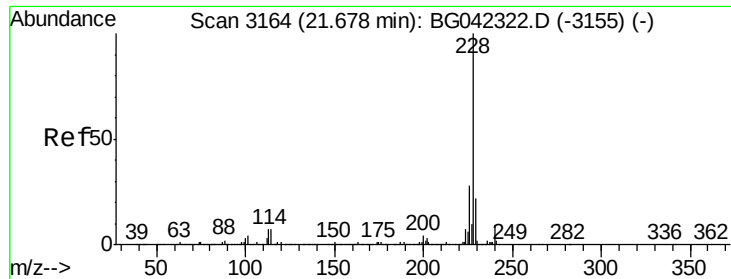
Abundance

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: 2.986 ng

RT: 21.68 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BG042394.D

Acq: 21 Aug 2019 21:55

Instrument :

BNA_G

ClientSampled :

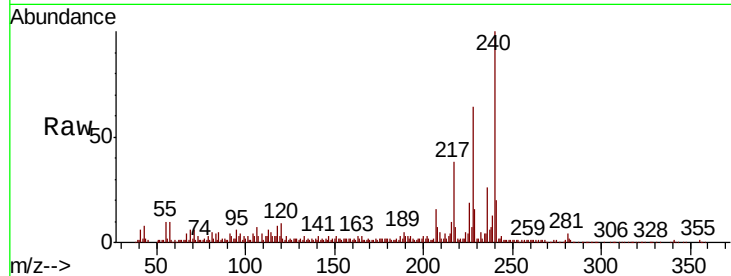
Tot Ion:228 Resp: 72833

Ion Ratio Lower Upper

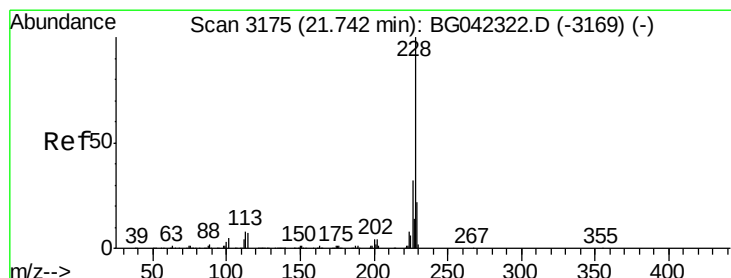
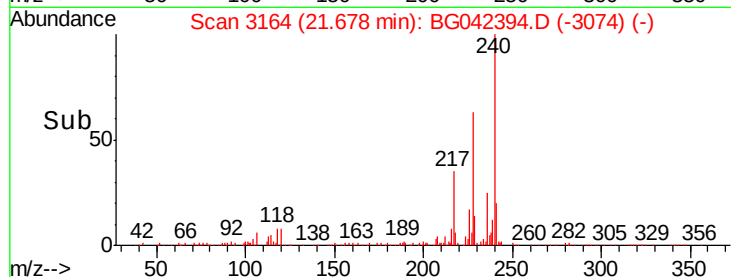
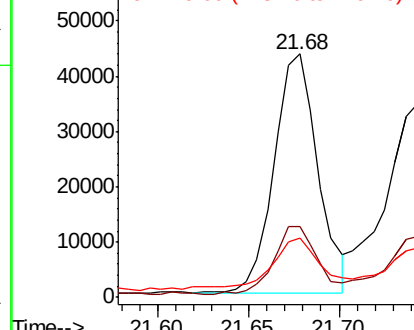
228 100

226 29.1 22.7 34.1

229 24.6 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: 2.677 ng

RT: 21.74 min Scan# 3175

Delta R.T. 0.00 min

Lab File: BG042394.D

Acq: 21 Aug 2019 21:55

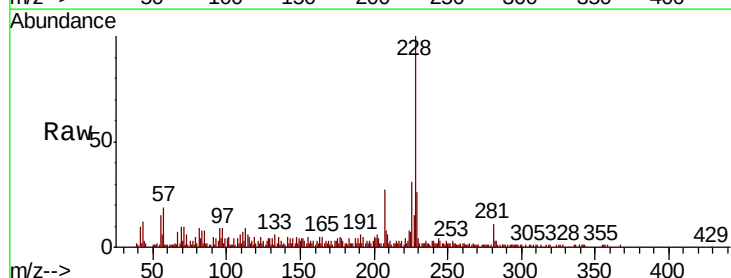
Tgt Ion:228 Resp: 62454

Ion Ratio Lower Upper

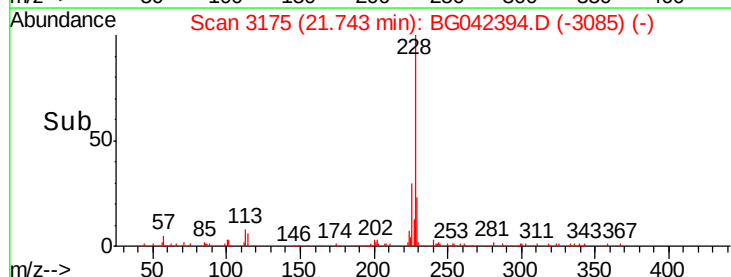
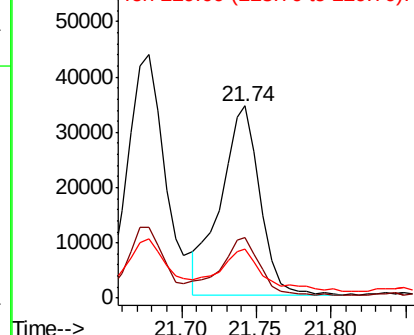
228 100

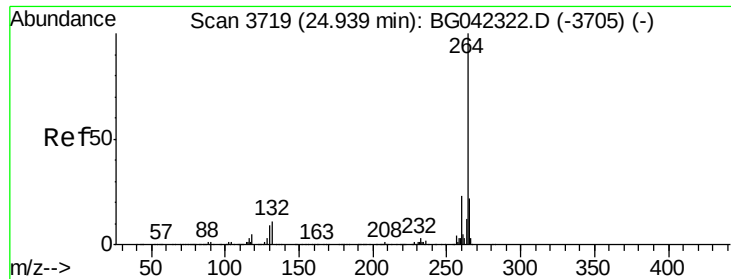
226 31.2 25.6 38.4

229 25.6 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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.94 min Scan# 3719

Delta R.T. 0.00 min

Lab File: BG042394.D

Acq: 21 Aug 2019 21:55

Instrument :

BNA_G

ClientSampleId :

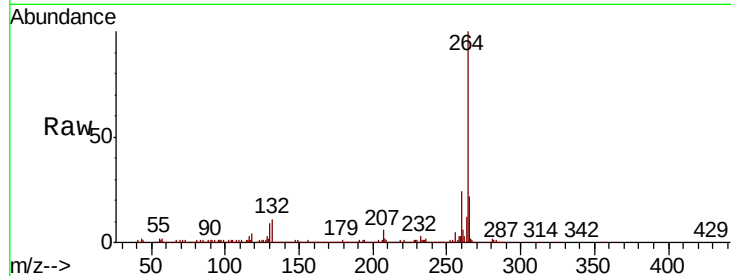
Tot Ion:264 Resp: 480058

Ion Ratio Lower Upper

264 100

260 23.7 18.4 27.6

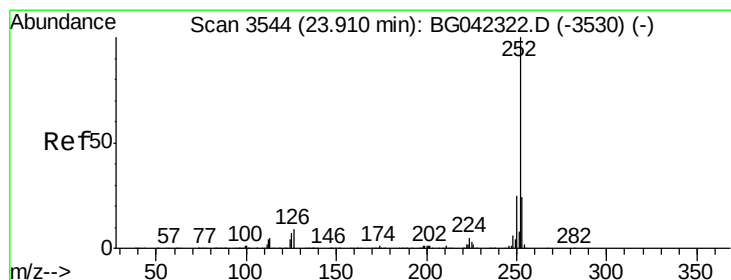
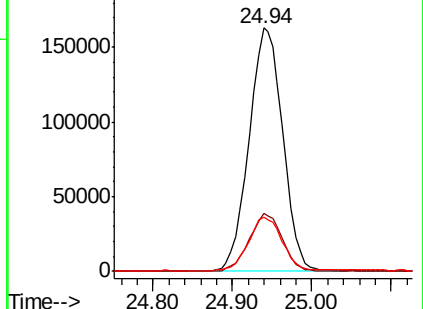
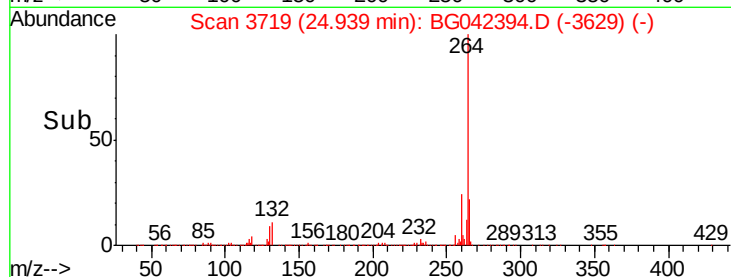
265 22.2 17.4 26.0



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: 2.441 ng

RT: 23.92 min Scan# 3545

Delta R.T. 0.01 min

Lab File: BG042394.D

Acq: 21 Aug 2019 21:55

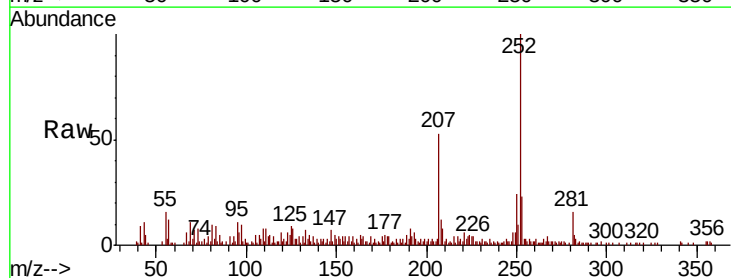
Tgt Ion:252 Resp: 64421

Ion Ratio Lower Upper

252 100

253 23.0 18.9 28.3

125 8.9 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

