

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
 Data File : BG042366.D
 Acq On : 20 Aug 2019 20:35
 Operator : HP/JU
 Sample : K4387-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 04:30:19 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

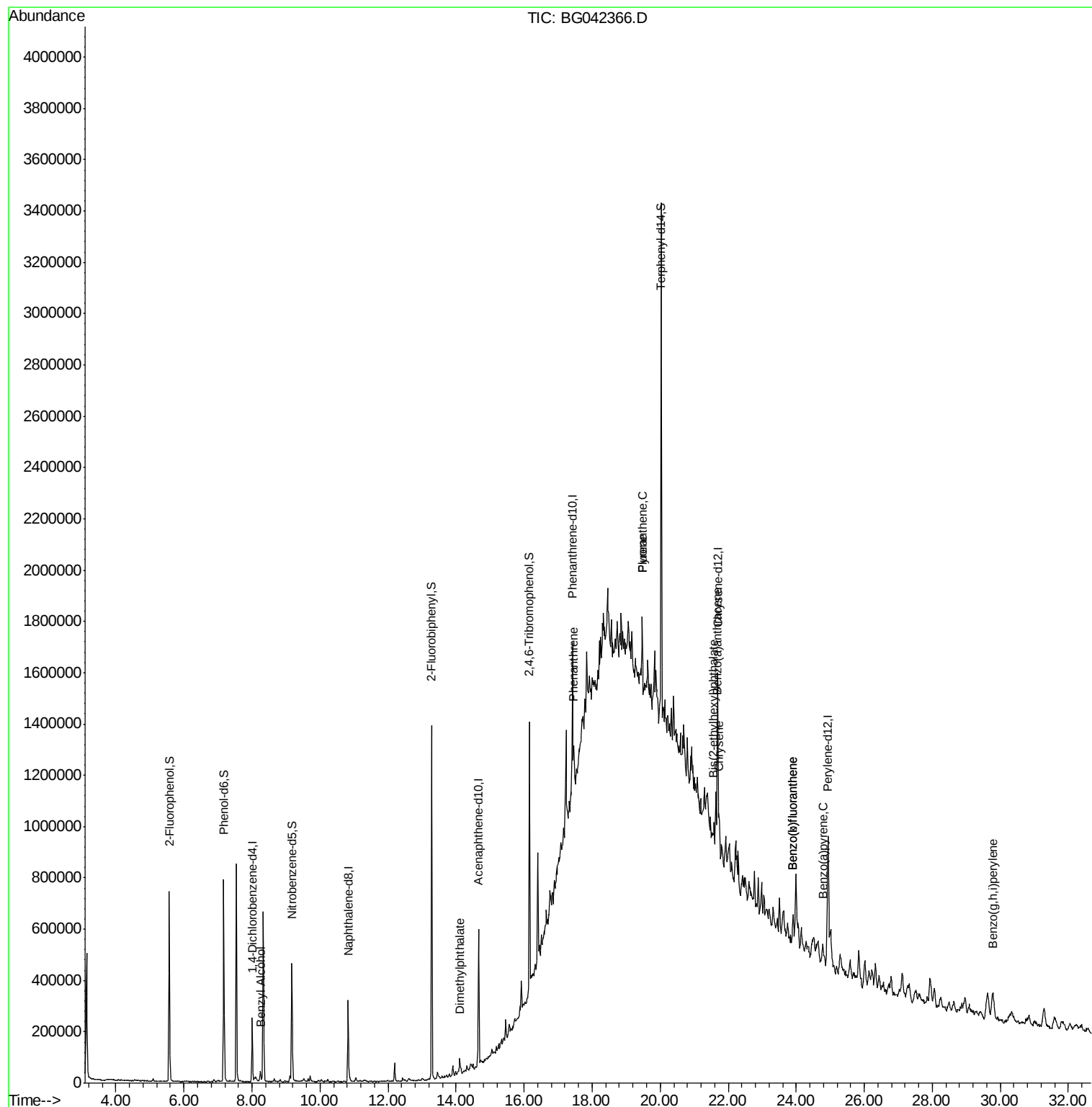
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	82940	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	309146	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	201209	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	378796	20.00	ng	0.00
76) Chrysene-d12	21.70	240	397926	20.00	ng	0.00
87) Perylene-d12	24.94	264	459980	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	395570	96.63	ng	0.00
7) Phenol-d6	7.17	99	552499	99.38	ng	0.00
23) Nitrobenzene-d5	9.17	82	310797	70.71	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	245413	89.55	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	781143	65.69	ng	0.00
79) Terphenyl-d14	20.03	244	1046607	57.61	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.25	79	15550	4.067	ng	99
50) Dimethylphthalate	14.11	163	49725	3.478	ng	98
71) Phenanthrene	17.46	178	112030	5.938	ng	# 90
75) Fluoranthene	19.48	202	187589	8.246	ng	95
78) Pyrene	19.48	202	187589	7.661	ng	95
81) Benzo(a)anthracene	21.67	228	99760	4.082	ng	97
83) Chrysene	21.74	228	95073	4.067	ng	98
84) Bis(2-ethylhexyl)phthalate	21.58	149	29937	2.213	ng	# 92
88) Benzo(b)fluoranthene	23.91	252	118602	4.691	ng	# 89
89) Benzo(k)fluoranthene	23.91	252	118602	4.799	ng	# 89
90) Benzo(a)pyrene	24.78	252	85031	3.510	ng	# 85
92) Benzo(a,h,i)perylene	29.79	276	58595	2.433	ng	# 94

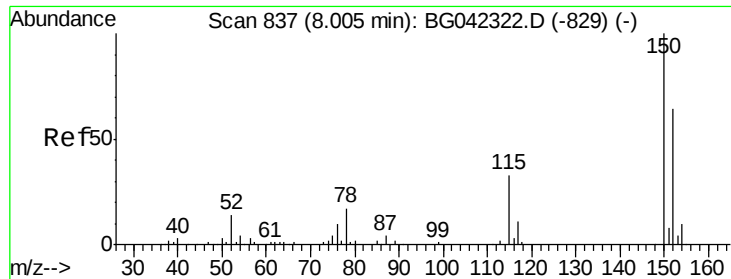
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
Data File : BG042366.D
Acq On : 20 Aug 2019 20:35
Operator : HP/JU
Sample : K4387-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Aug 21 04:30:19 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



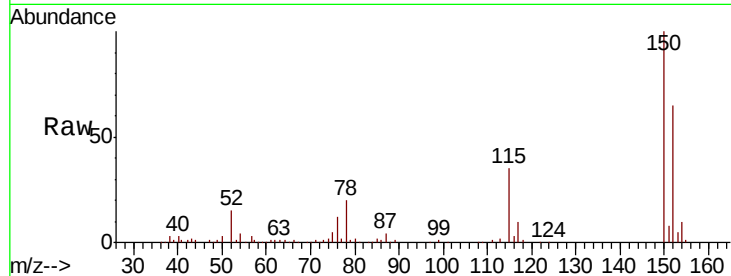


#1

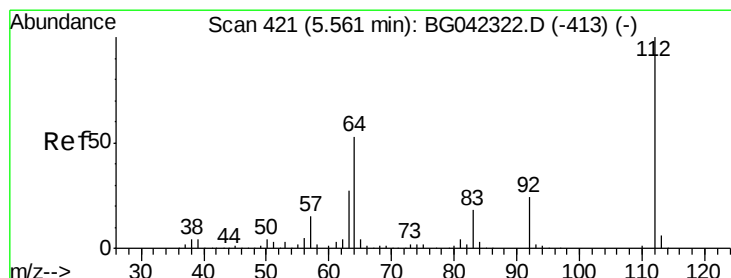
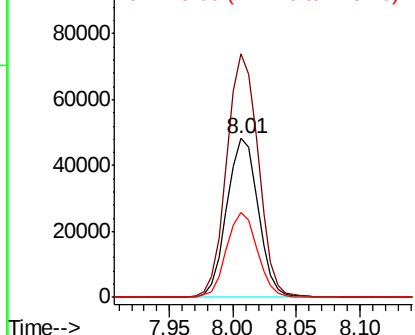
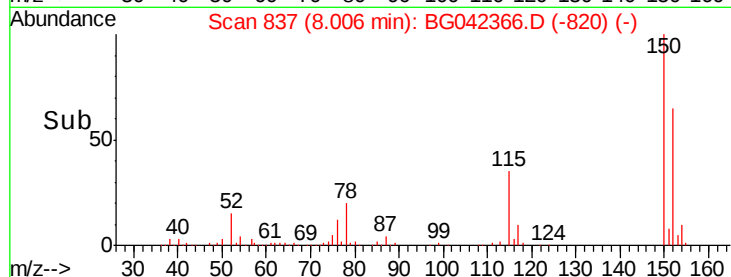
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG042366.D
Acq: 20 Aug 2019 20:35

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 82940
Ion Ratio Lower Upper
152 100
150 153.5 124.3 186.5
115 53.1 40.5 60.7



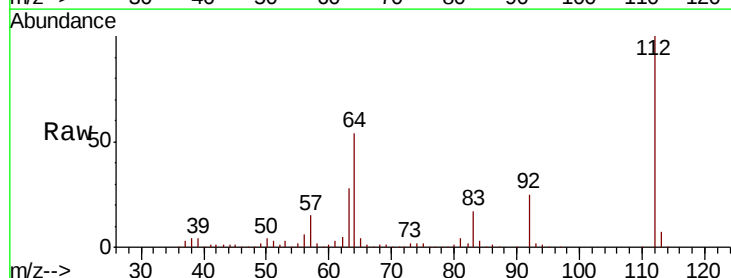
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



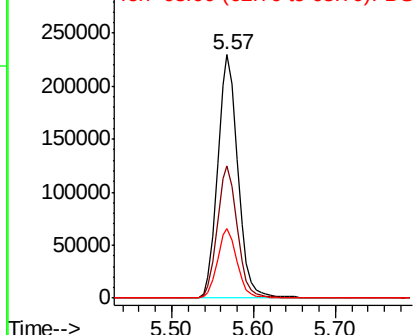
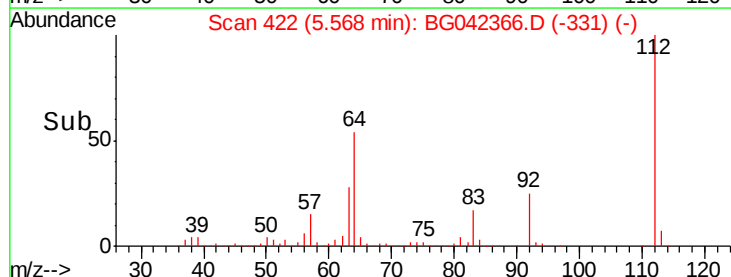
#5

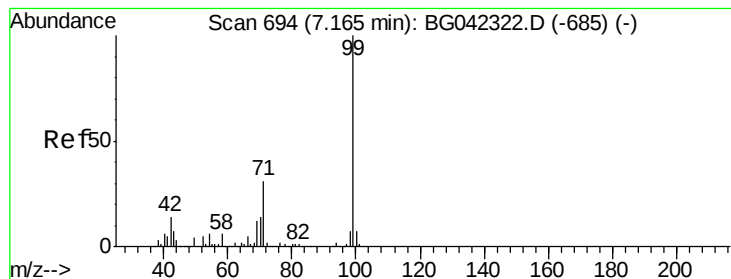
2-Fluorophenol
Concen: 96.632 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.01 min
Lab File: BG042366.D
Acq: 20 Aug 2019 20:35

Tgt Ion:112 Resp: 395570
Ion Ratio Lower Upper
112 100
64 54.3 42.5 63.7
63 28.4 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: 99.378 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042366.D

Acq: 20 Aug 2019 20:35

Instrument :

BNA_G

ClientSampleId :

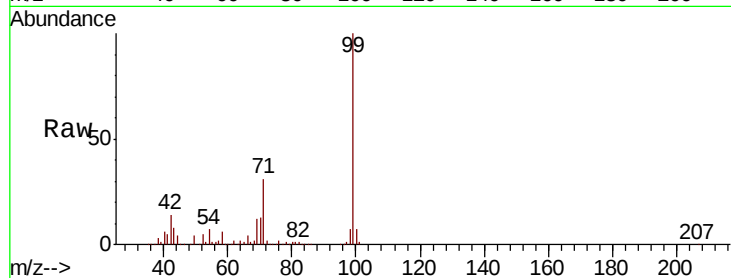
Tot Ion: 99 Resp: 552499

Ion Ratio Lower Upper

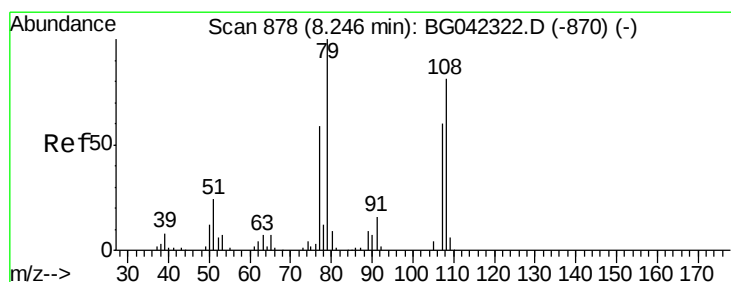
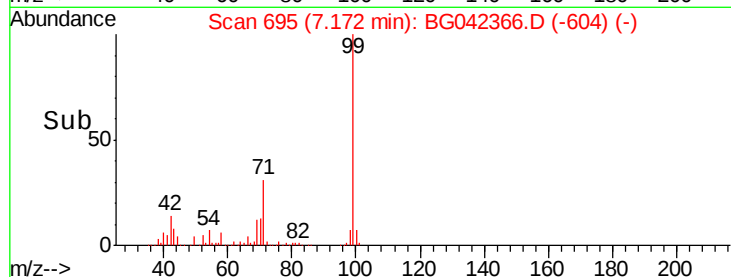
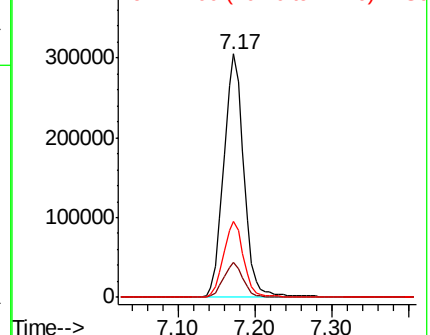
99 100

42 14.2 11.4 17.0

71 31.4 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



#15

Benzyl Alcohol

Concen: 4.067 ng

RT: 8.25 min Scan# 878

Delta R.T. 0.00 min

Lab File: BG042366.D

Acq: 20 Aug 2019 20:35

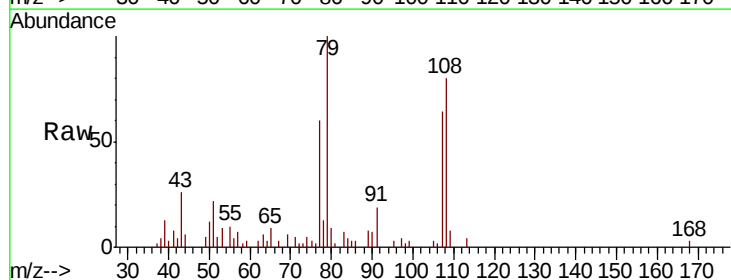
Tgt Ion: 79 Resp: 15550

Ion Ratio Lower Upper

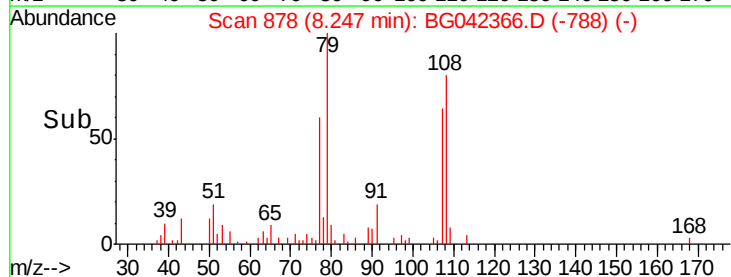
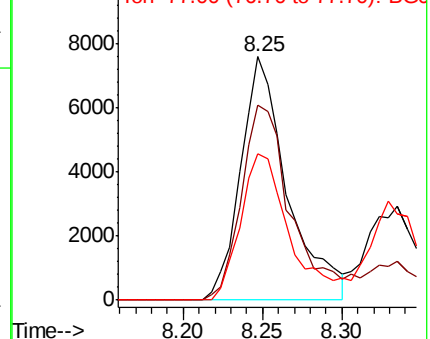
79 100

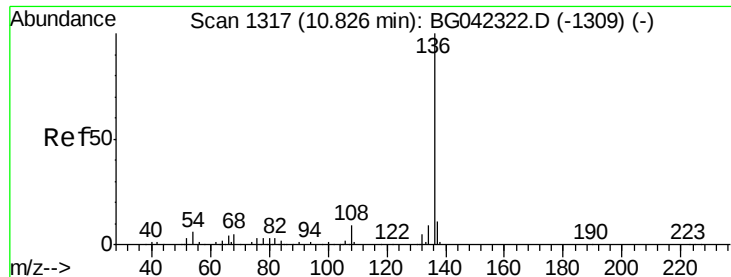
108 80.1 64.8 97.2

77 60.1 47.6 71.4



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

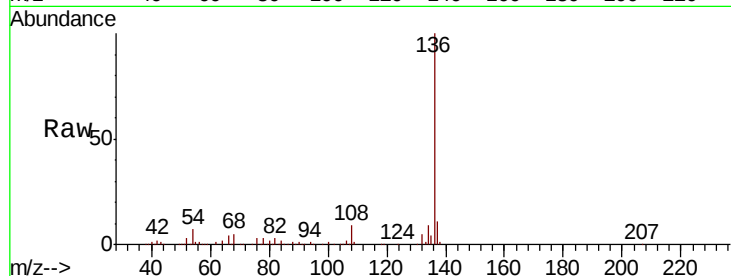




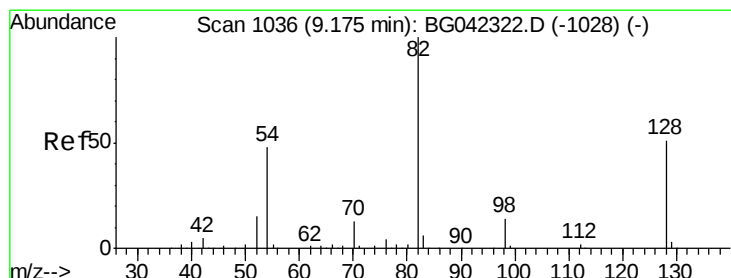
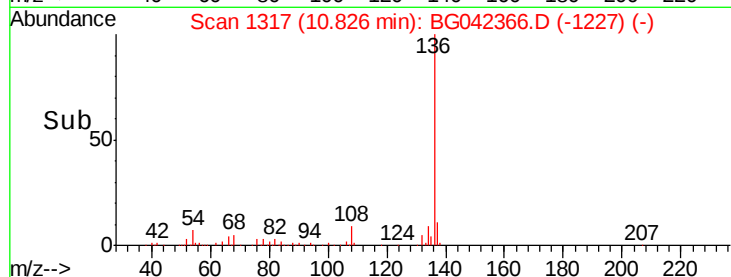
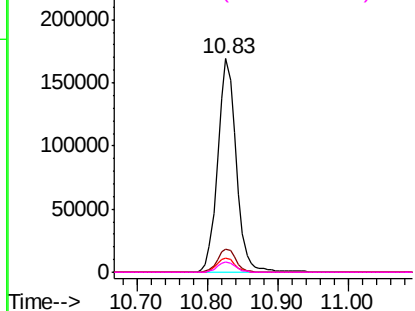
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG042366.D
Acq: 20 Aug 2019 20:35

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	309146
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.4 12.6
54	6.6	5.0 7.4
68	4.7	3.8 5.8

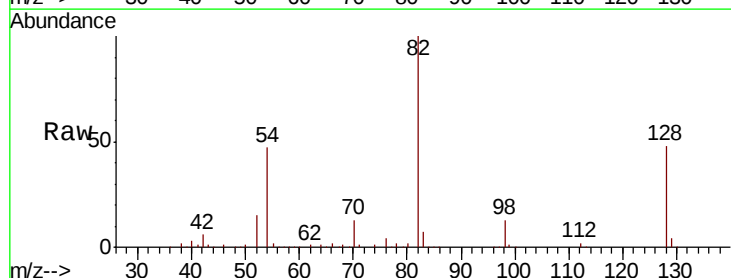


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

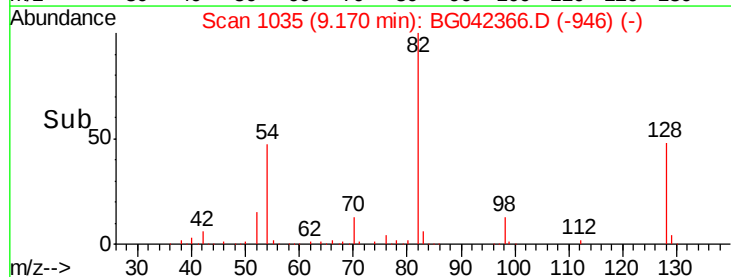
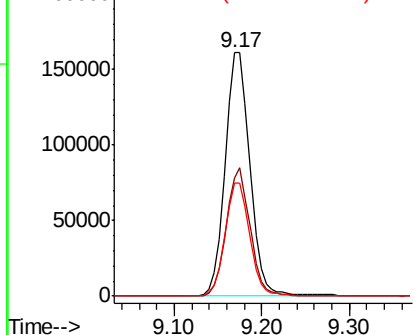


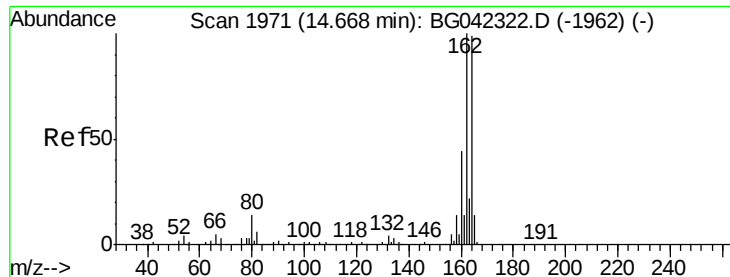
#23
Nitrobenzene-d5
Concen: 70.709 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042366.D
Acq: 20 Aug 2019 20:35

Tgt Ion: 82	Resp:	310797
Ion	Ratio	Lower Upper
82	100	
128	48.3	41.0 61.4
54	46.7	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BG042366.D

Acq: 20 Aug 2019 20:35

Instrument :

BNA_G

ClientSampleId :

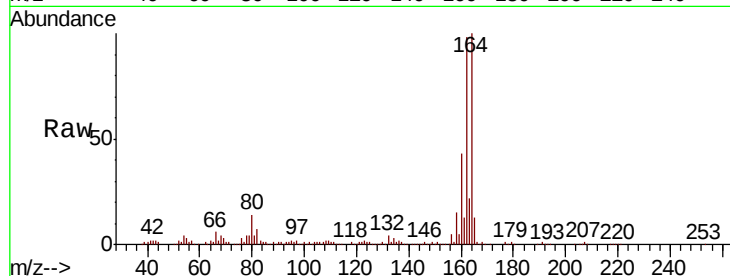
Tot Ion:164 Resp: 201209

Ion Ratio Lower Upper

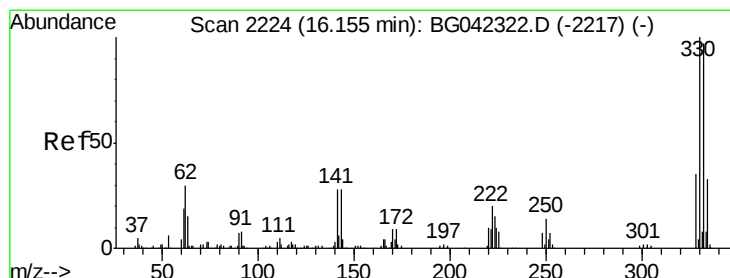
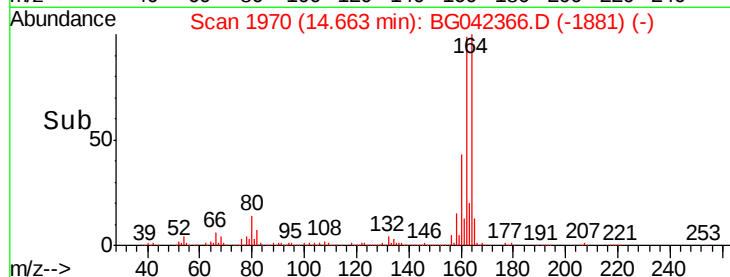
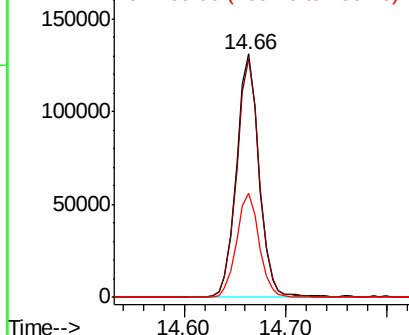
164 100

162 98.2 80.6 120.8

160 42.7 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: 89.553 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.00 min

Lab File: BG042366.D

Acq: 20 Aug 2019 20:35

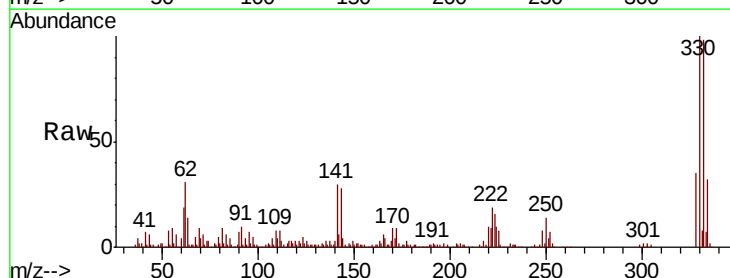
Tgt Ion:330 Resp: 245413

Ion Ratio Lower Upper

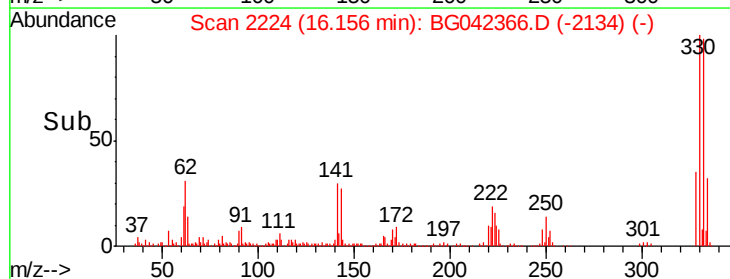
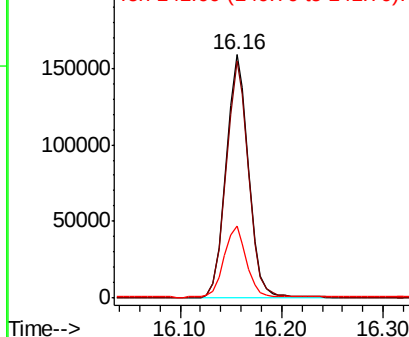
330 100

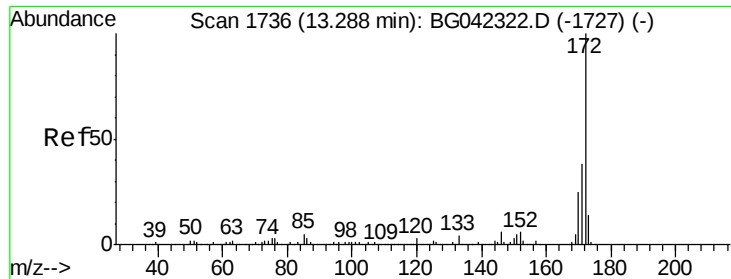
332 96.7 76.9 115.3

141 29.0 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

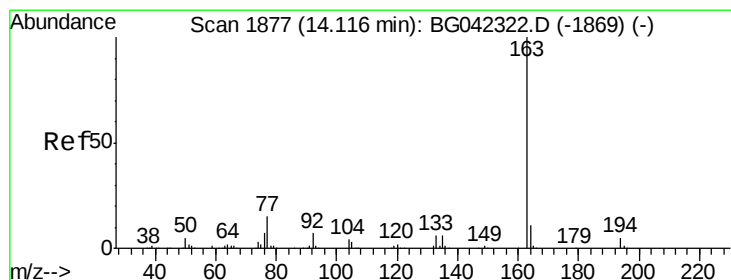
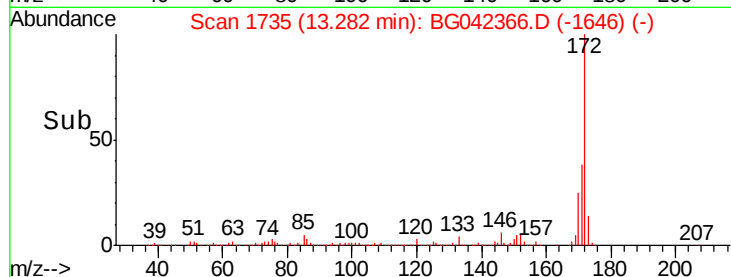
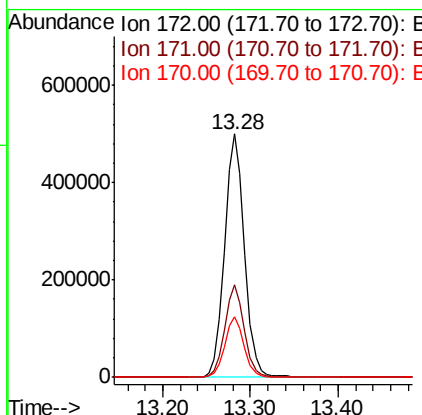
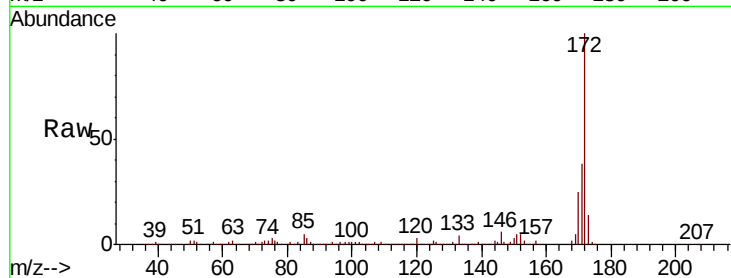




#45
2-Fluorobiphenyl
Concen: 65.694 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.01 min
Lab File: BG042366.D
Acq: 20 Aug 2019 20:35

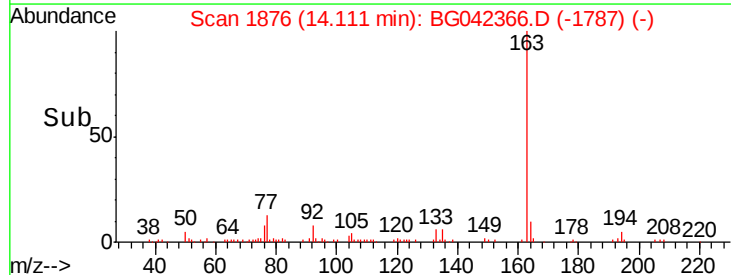
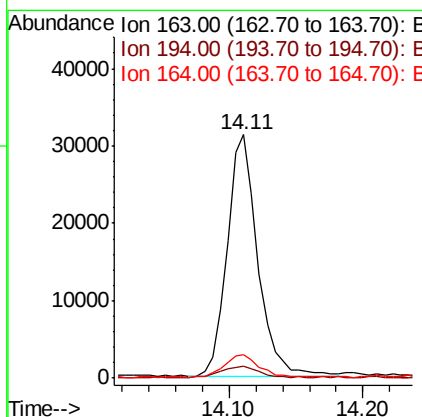
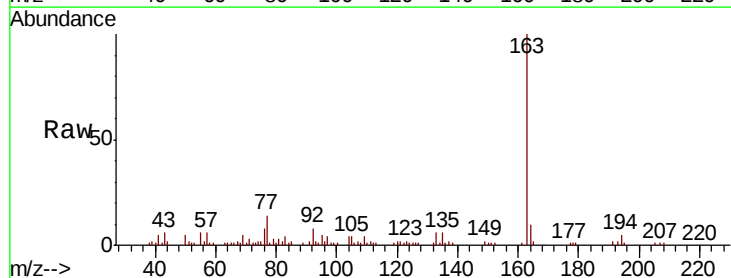
Instrument :
BNA_G
ClientSampleId :

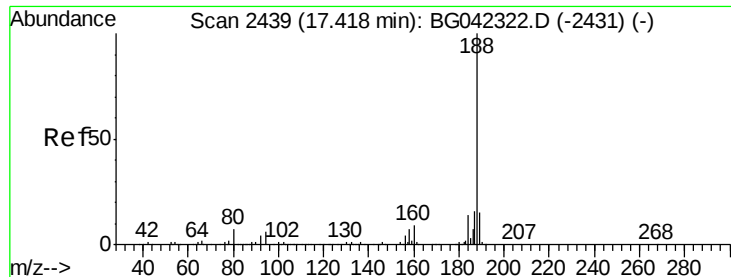
Tot Ion:172 Resp: 781143
Ion Ratio Lower Upper
172 100
171 37.9 30.3 45.5
170 24.7 20.0 30.0



#50
Dimethylphthalate
Concen: 3.478 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042366.D
Acq: 20 Aug 2019 20:35

Tgt Ion:163 Resp: 49725
Ion Ratio Lower Upper
163 100
194 5.0 4.2 6.2
164 9.8 8.8 13.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. 0.00 min

Lab File: BG042366.D

Acq: 20 Aug 2019 20:35

Instrument :

BNA_G

ClientSampleId :

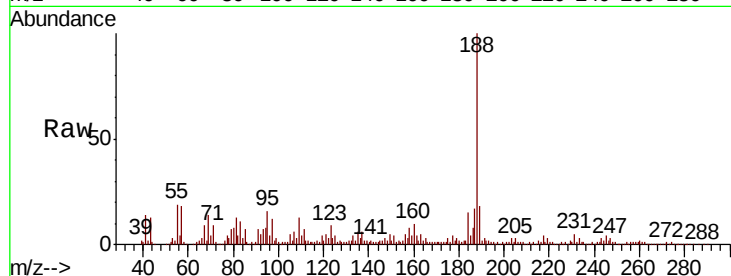
Tot Ion:188 Resp: 378796

Ion Ratio Lower Upper

188 100

94 8.1 4.9 7.3#

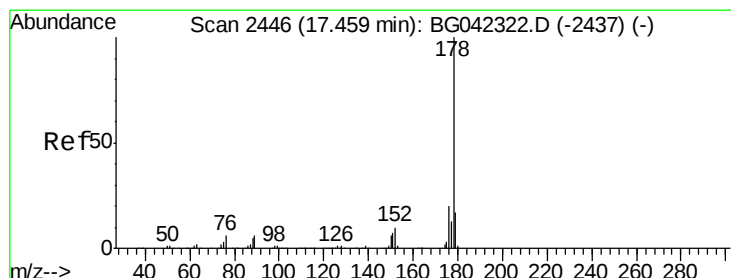
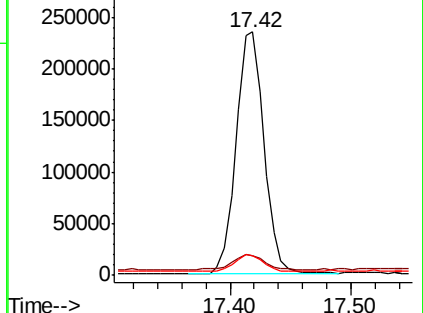
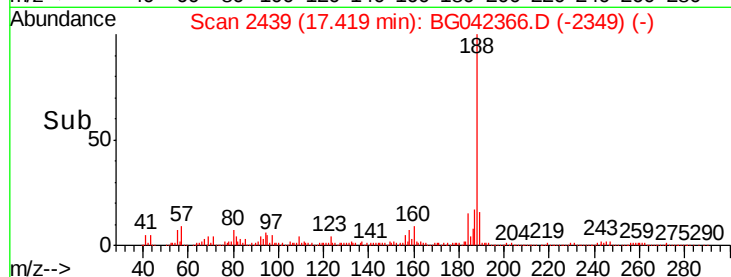
80 8.0 5.4 8.0



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: 5.938 ng

RT: 17.46 min Scan# 2446

Delta R.T. 0.00 min

Lab File: BG042366.D

Acq: 20 Aug 2019 20:35

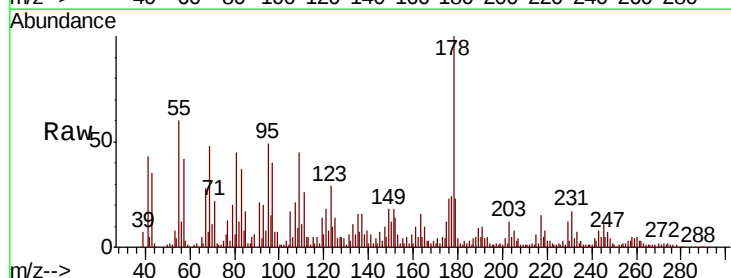
Tgt Ion:178 Resp: 112030

Ion Ratio Lower Upper

178 100

176 23.0 16.2 24.4

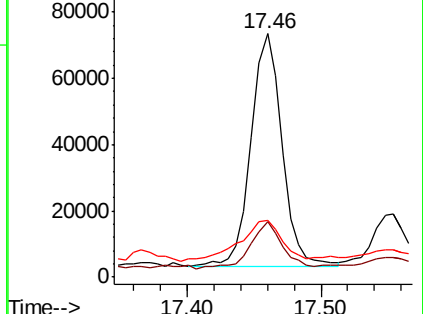
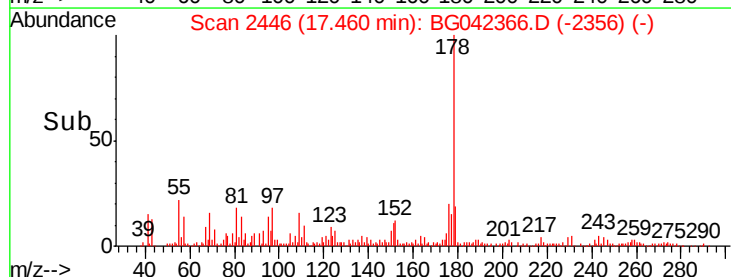
179 23.3 13.7 20.5#

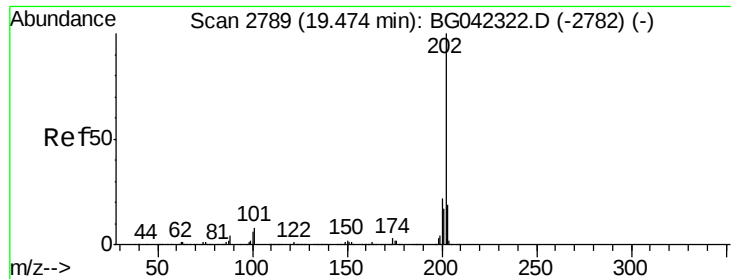


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 8.246 ng

RT: 19.48 min Scan# 2789

Delta R.T. 0.00 min

Lab File: BG042366.D

Acq: 20 Aug 2019 20:35

Instrument :

BNA_G

ClientSampleId :

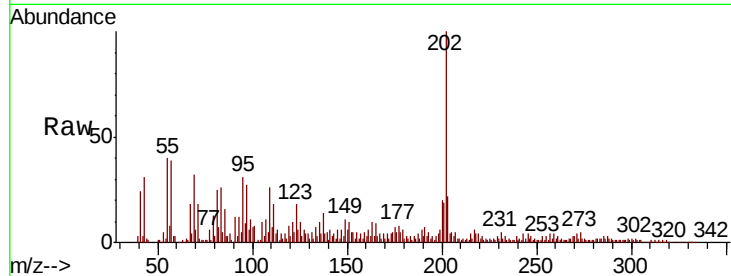
Tot Ion:202 Resp: 187589

Ion Ratio Lower Upper

202 100

101 7.9 0.0 28.0

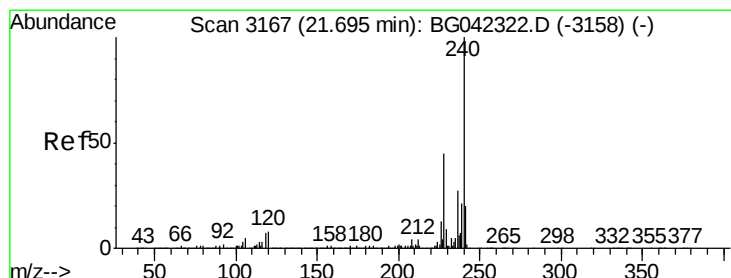
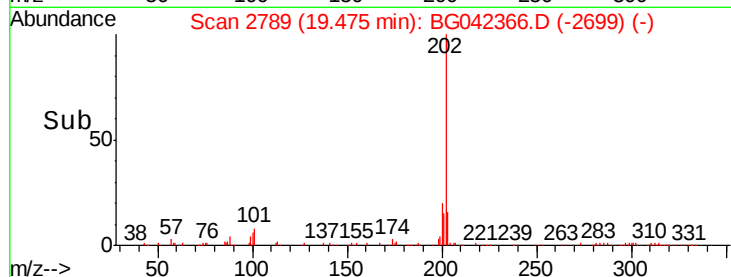
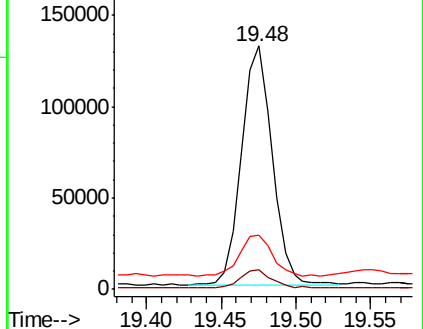
203 22.5 0.0 39.1



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: BG042366.D

Acq: 20 Aug 2019 20:35

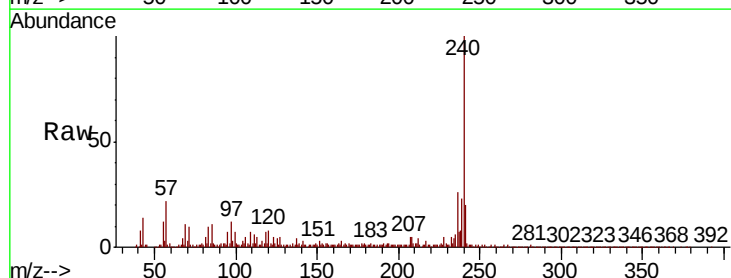
Tgt Ion:240 Resp: 397926

Ion Ratio Lower Upper

240 100

120 7.5 6.0 9.0

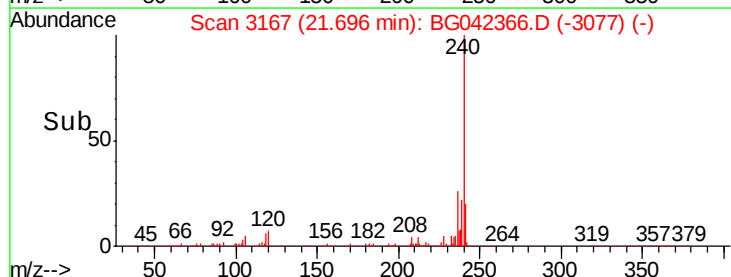
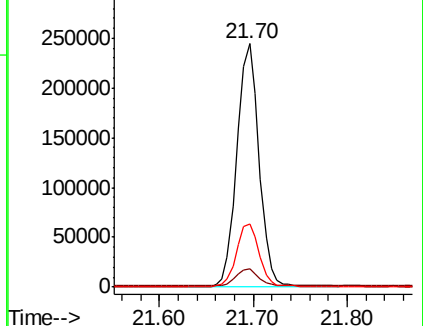
236 25.9 21.6 32.4

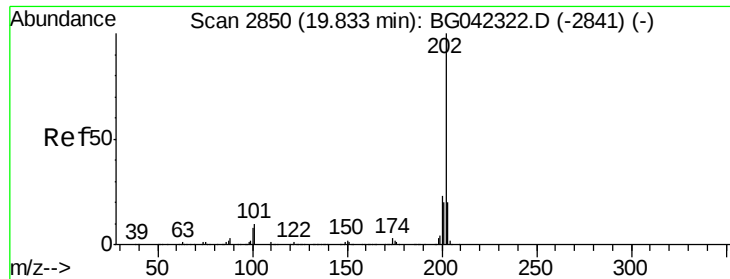


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

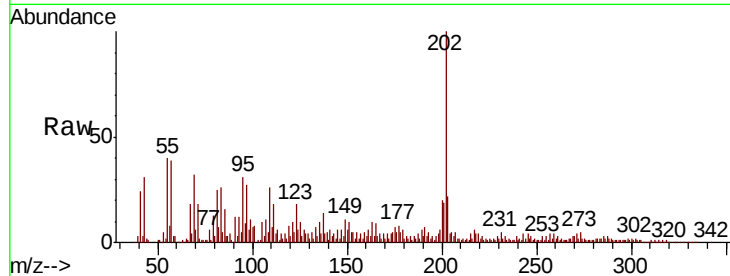




#78
Pvrene
Concen: 7.661 ng
RT: 19.48 min Scan# 2789
Delta R.T. -0.36 min
Lab File: BG042366.D
Acq: 20 Aug 2019 20:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	18.1	27.1
203	22.5	15.8	23.8

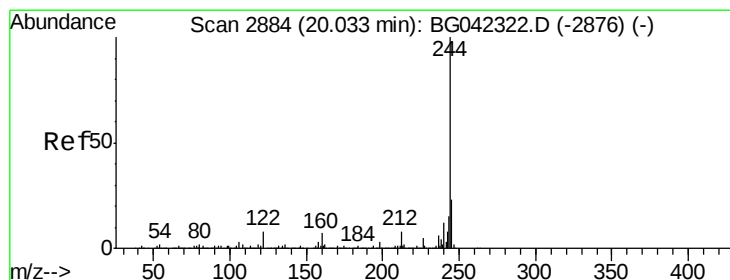
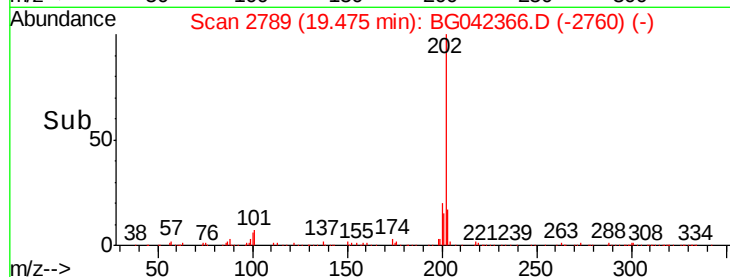
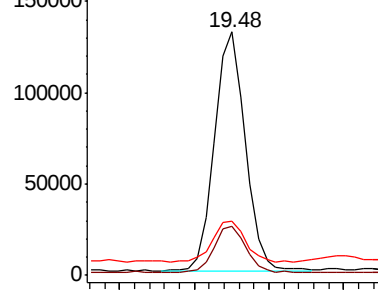


Abundance

Ion 202.00 (201.70 to 202.70): E

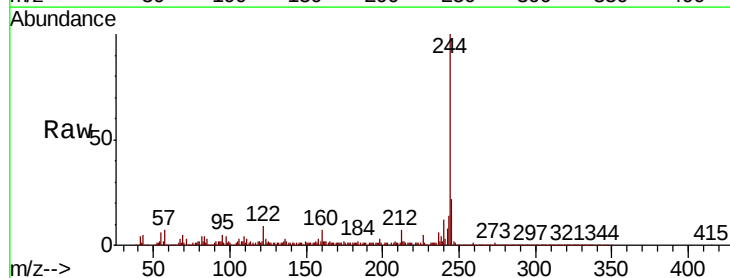
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 57.608 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.00 min
Lab File: BG042366.D
Acq: 20 Aug 2019 20:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.4	9.6
122	8.9	6.6	10.0

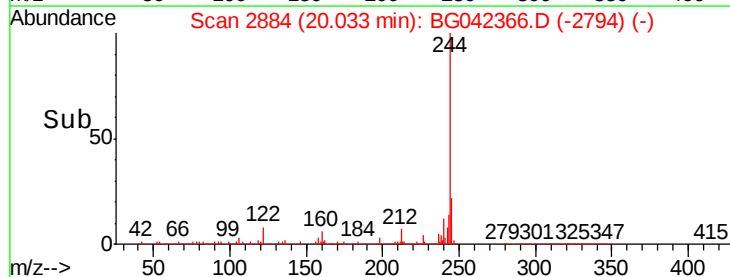
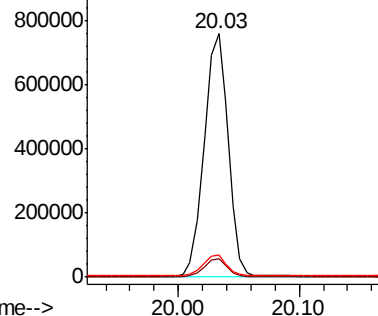


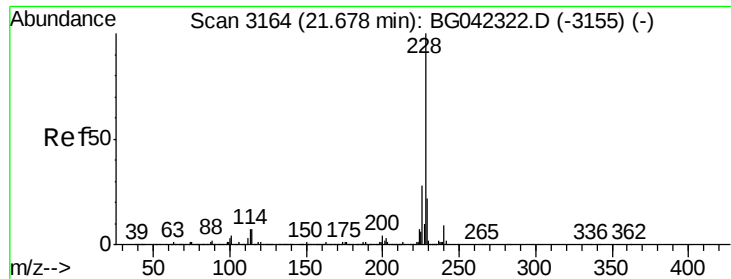
Abundance

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: 4.082 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG042366.D

Acq: 20 Aug 2019 20:35

Instrument :

BNA_G

ClientSampleId :

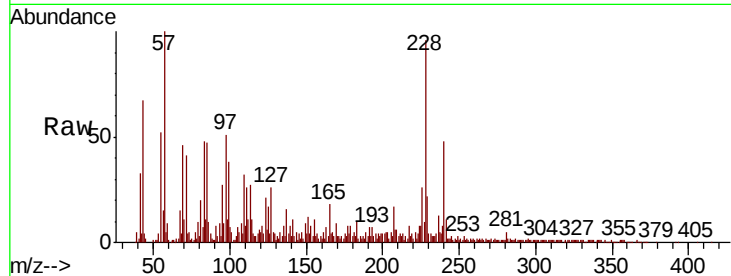
Tot Ion:228 Resp: 99760

Ion Ratio Lower Upper

228 100

226 26.9 22.7 34.1

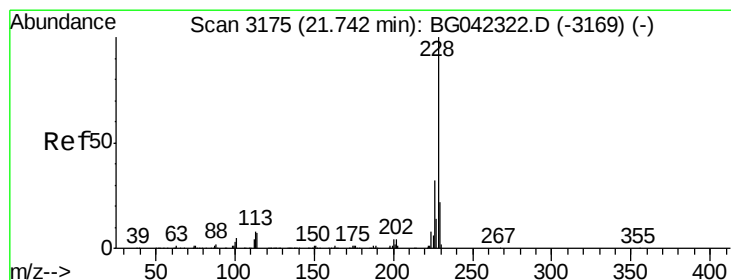
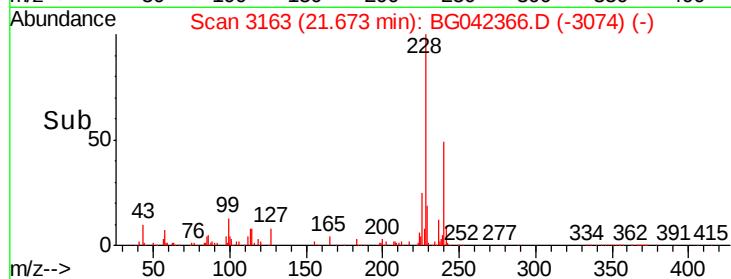
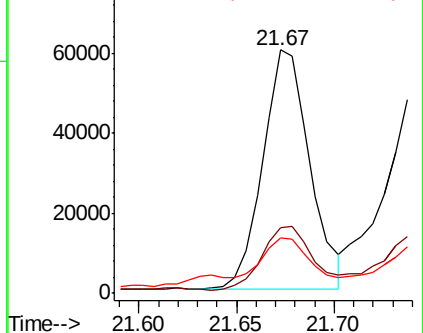
229 22.9 17.4 26.2



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: 4.067 ng

RT: 21.74 min Scan# 3175

Delta R.T. 0.00 min

Lab File: BG042366.D

Acq: 20 Aug 2019 20:35

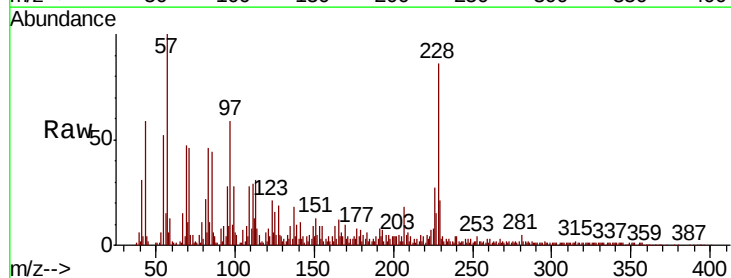
Tgt Ion:228 Resp: 95073

Ion Ratio Lower Upper

228 100

226 32.0 25.6 38.4

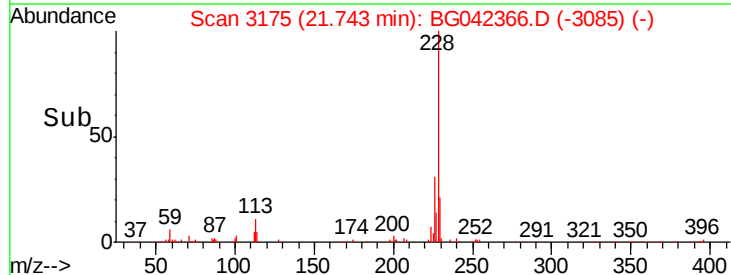
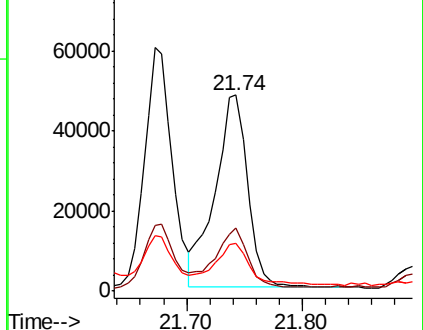
229 24.3 17.8 26.6

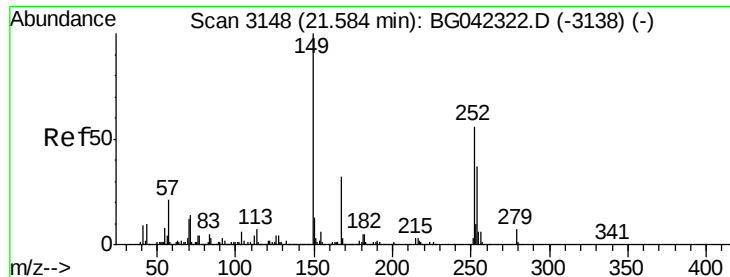


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.213 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG042366.D

Acq: 20 Aug 2019 20:35

Instrument :

BNA_G

ClientSampleId :

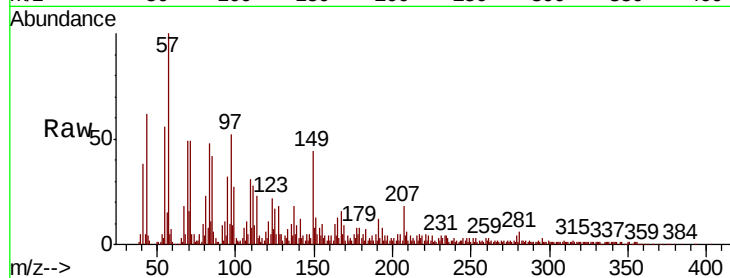
Tot Ion:149 Resp: 29937

Ion Ratio Lower Upper

149 100

167 36.2 25.4 38.0

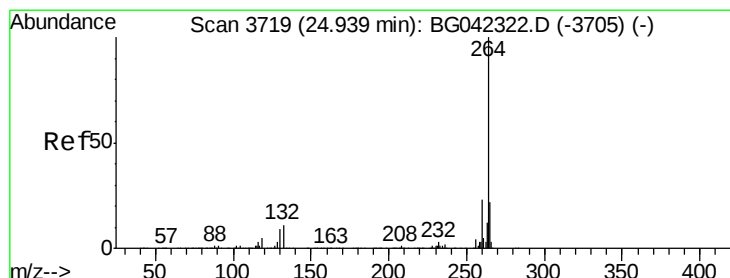
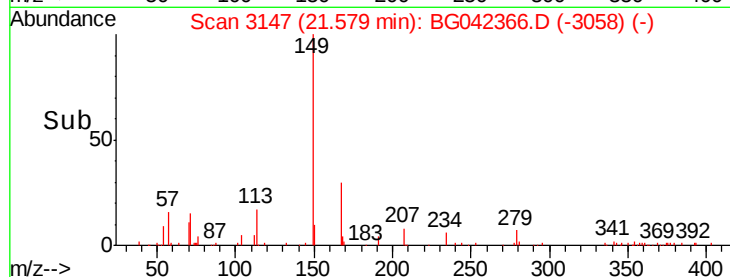
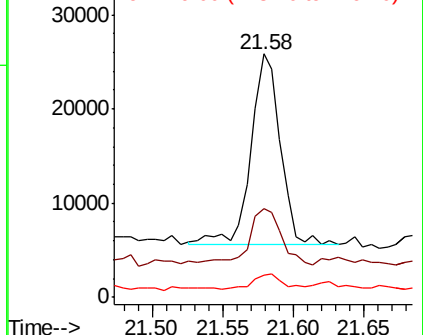
279 9.2 5.8 8.6#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.94 min Scan# 3719

Delta R.T. 0.00 min

Lab File: BG042366.D

Acq: 20 Aug 2019 20:35

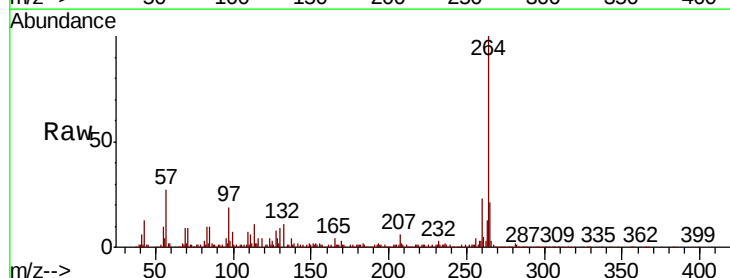
Tgt Ion:264 Resp: 459980

Ion Ratio Lower Upper

264 100

260 22.7 18.4 27.6

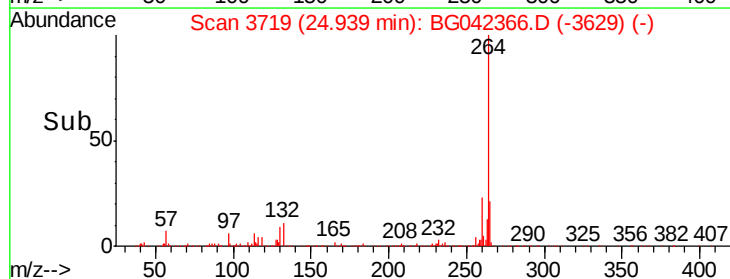
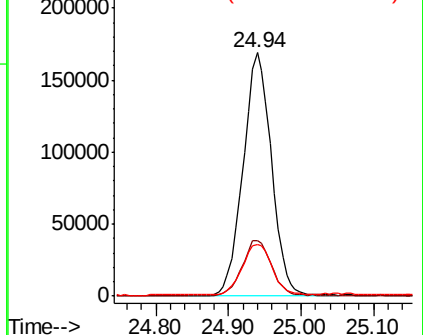
265 21.4 17.4 26.0

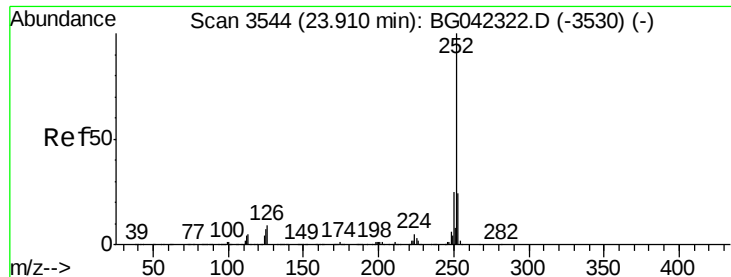


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 4.691 ng

RT: 23.91 min Scan# 3544

Delta R.T. 0.00 min

Lab File: BG042366.D

Acq: 20 Aug 2019 20:35

Instrument :

BNA_G

ClientSampled :

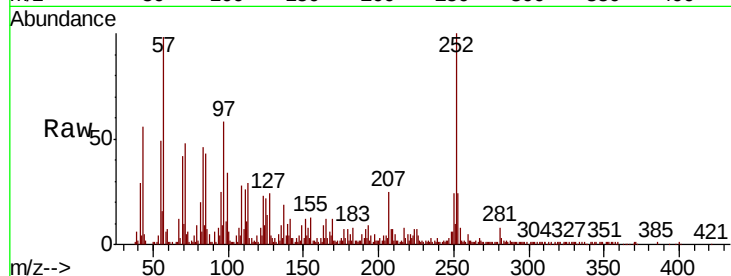
Tot Ion:252 Resp: 118602

Ion Ratio Lower Upper

252 100

253 24.0 18.9 28.3

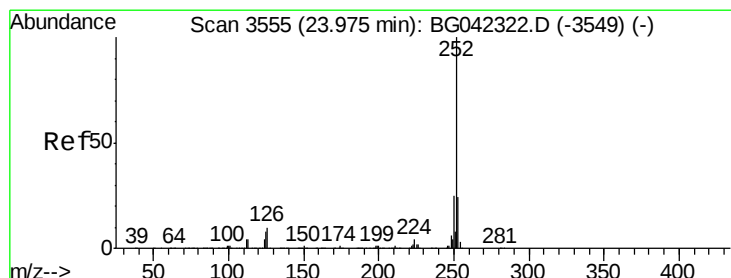
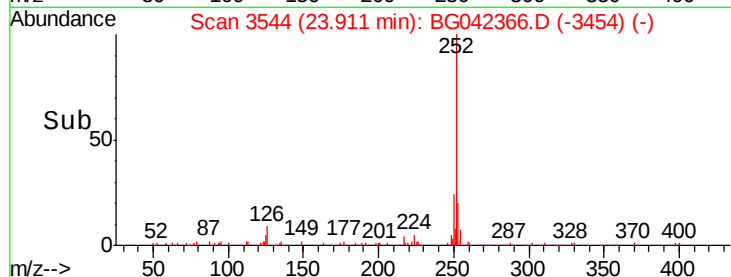
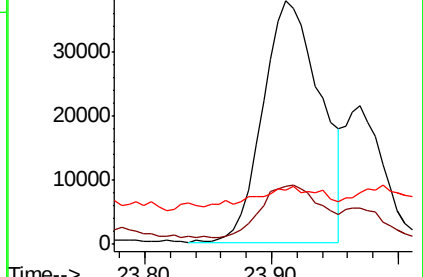
125 22.1 5.8 8.6#



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



#89

Benzo(k)fluoranthene

Concen: 4.799 ng

RT: 23.91 min Scan# 3544

Delta R.T. -0.06 min

Lab File: BG042366.D

Acq: 20 Aug 2019 20:35

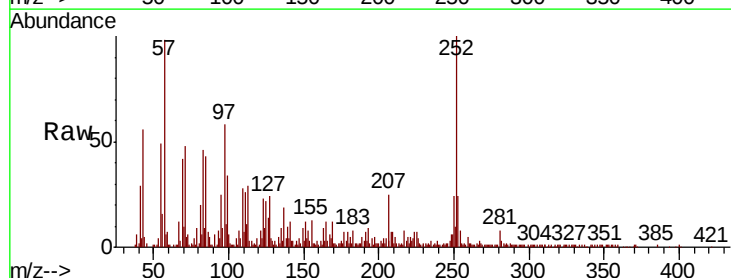
Tgt Ion:252 Resp: 118602

Ion Ratio Lower Upper

252 100

253 24.0 19.0 28.4

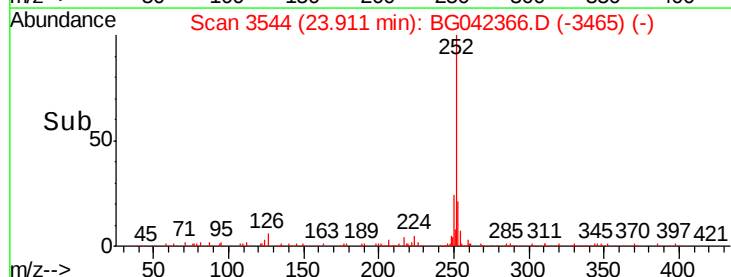
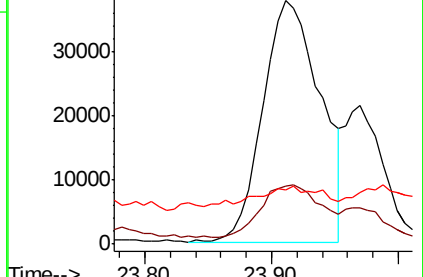
125 22.1 6.0 9.0#

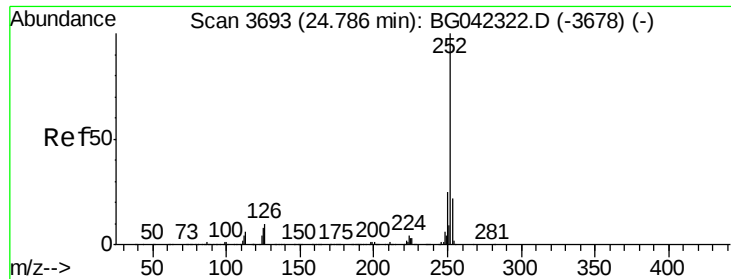


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 3.510 ng

RT: 24.78 min Scan# 3692

Delta R.T. -0.01 min

Lab File: BG042366.D

Acq: 20 Aug 2019 20:35

Instrument :

BNA_G

ClientSampleId :

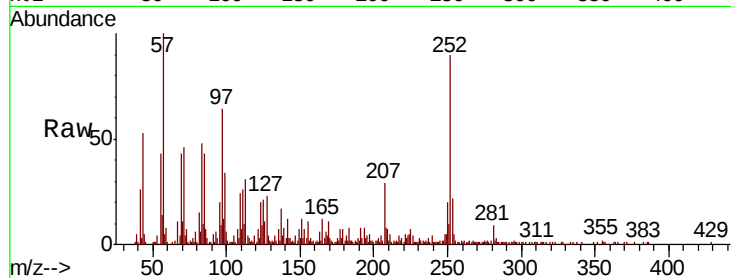
Tot Ion:252 Resp: 85031

Ion Ratio Lower Upper

252 100

253 24.5 17.9 26.9

125 23.5 6.7 10.1#

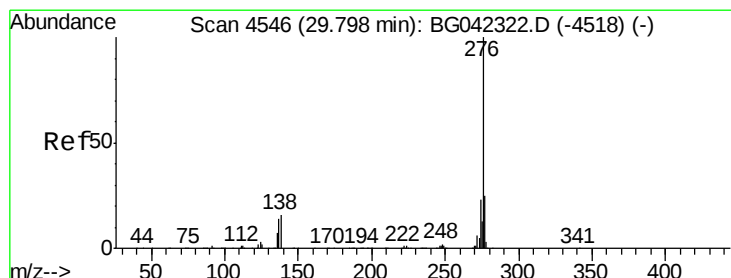
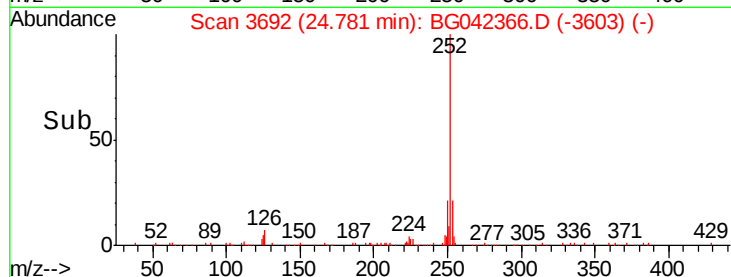
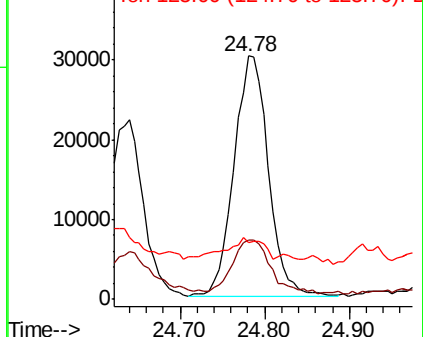


Abundance

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: 2.433 ng

RT: 29.79 min Scan# 4544

Delta R.T. -0.01 min

Lab File: BG042366.D

Acq: 20 Aug 2019 20:35

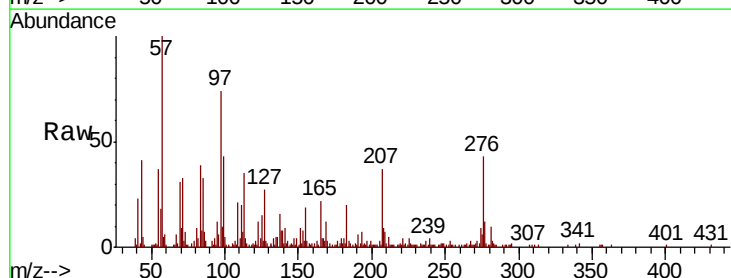
Tgt Ion:276 Resp: 58595

Ion Ratio Lower Upper

276 100

277 27.3 19.8 29.8

138 19.4 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

