

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080219\
 Data File : BG041889.D
 Acq On : 2 Aug 2019 15:31
 Operator : HP/JU
 Sample : K4130-17
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1S-M-(0-30)-COMP

Quant Time: Aug 02 18:24:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 08:57:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	81434	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	340148	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	274329	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	654025	20.00	ng	0.00
76) Chrysene-d12	21.73	240	651021	20.00	ng	0.00
87) Perylene-d12	25.00	264	777620	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	342262	81.77	ng	0.00
7) Phenol-d6	7.19	99	468276	82.99	ng	0.00
23) Nitrobenzene-d5	9.20	82	270840	54.79	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	276356	88.69	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	784995	50.47	ng	-0.01
79) Terphenyl-d14	20.06	244	1384739	48.67	ng	0.00

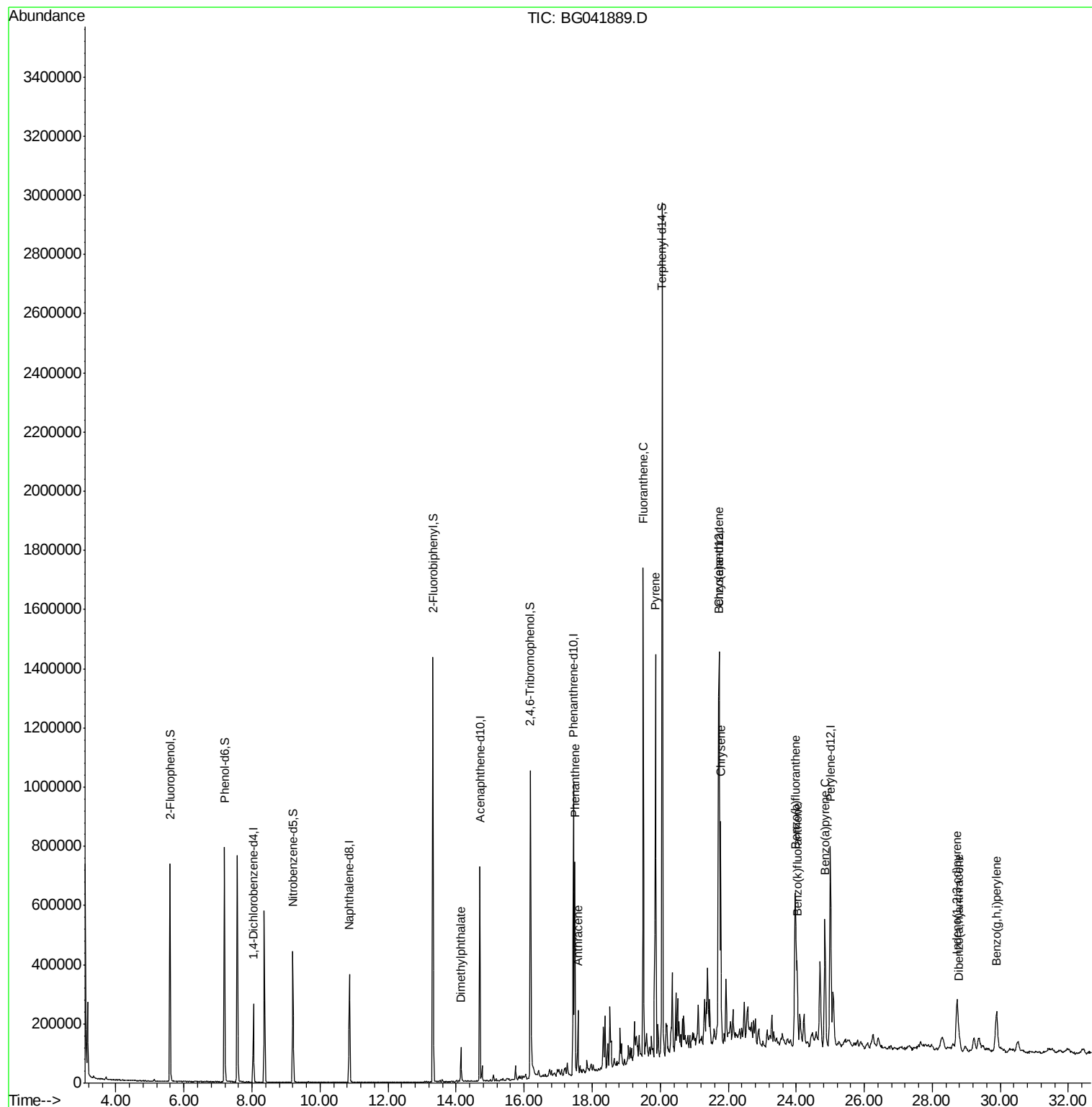
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	14.15	163	89577	4.781	ng	# 94
71) Phenanthrene	17.49	178	485379	15.483	ng	93
72) Anthracene	17.58	178	148044m	4.735	ng	
75) Fluoranthene	19.50	202	1084614	28.463	ng	90
78) Pyrene	19.86	202	945564	24.514	ng	92
81) Benzo(a)anthracene	21.71	228	645130	16.749	ng	93
83) Chrysene	21.78	228	538202	14.577	ng	93
86) Indeno(1,2,3-cd)pyrene	28.73	276	315535	6.456	ng	# 89
88) Benzo(b)fluoranthene	23.97	252	706060m	16.598	ng	
89) Benzo(k)fluoranthene	24.03	252	270064m	6.517	ng	
90) Benzo(a)pyrene	24.85	252	527021m	12.918	ng	
91) Dibenzo(a,h)anthracene	28.78	278	86405	2.157	ng	95
92) Benzo(a,h,i)perylene	29.89	276	280282	7.003	ng	# 93

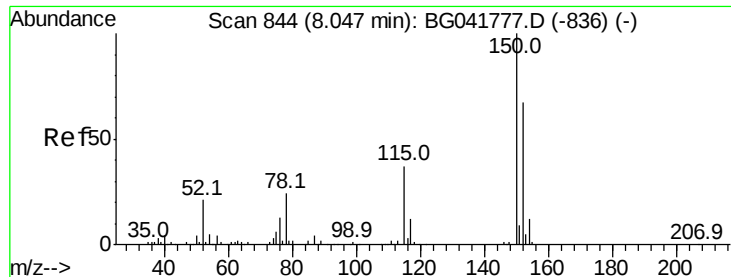
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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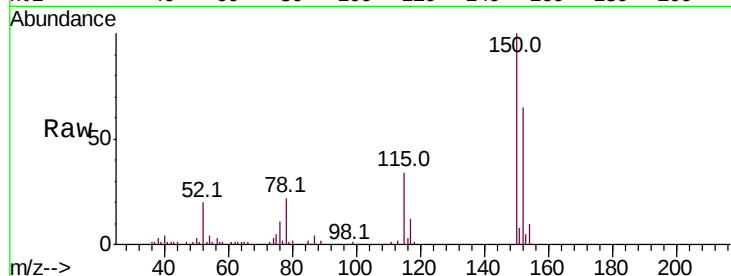


#1

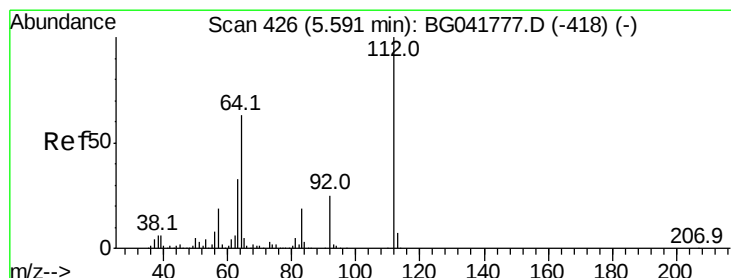
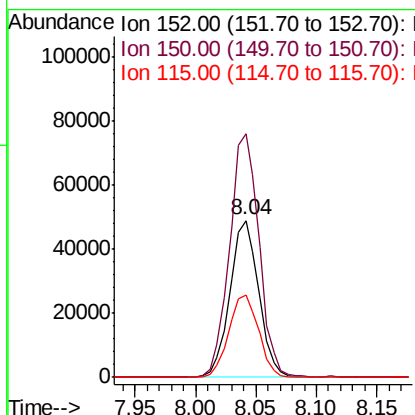
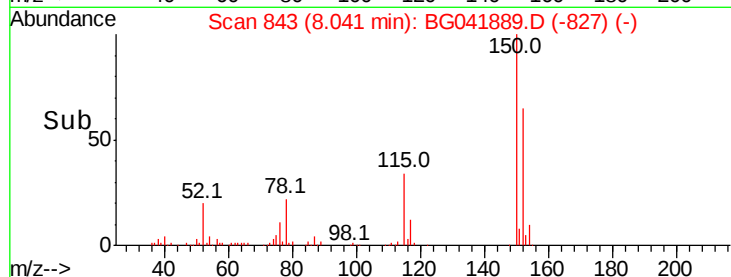
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG041889.D
Acq: 2 Aug 2019 15:31

Instrument :
BNA_G
ClientSampleId :
1S-M-(0-30)-COMP

Tot Ion:152 Resp: 81434
Ion Ratio Lower Upper
152 100
150 154.9 126.9 190.3
115 52.3 45.0 67.6



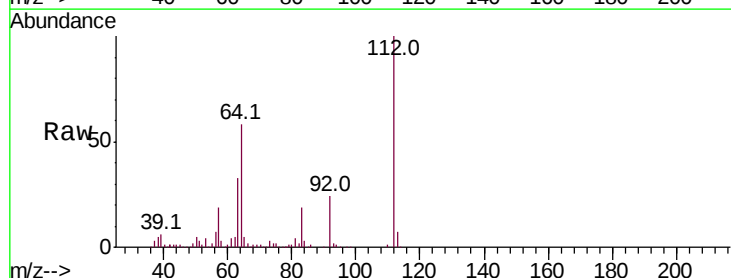
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



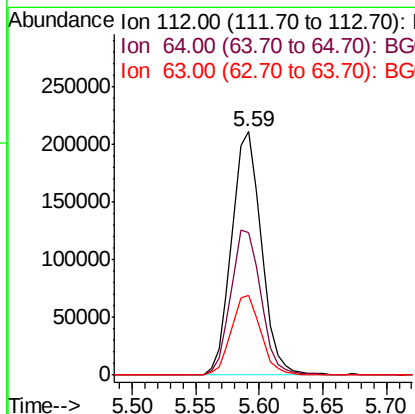
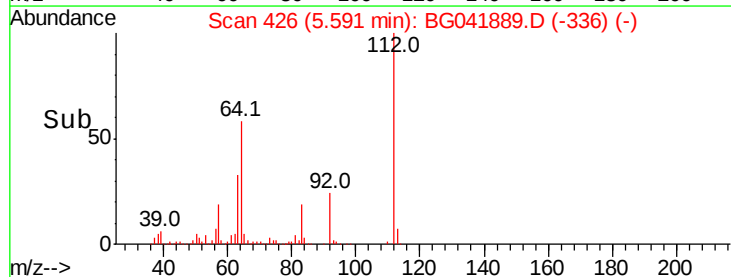
#5

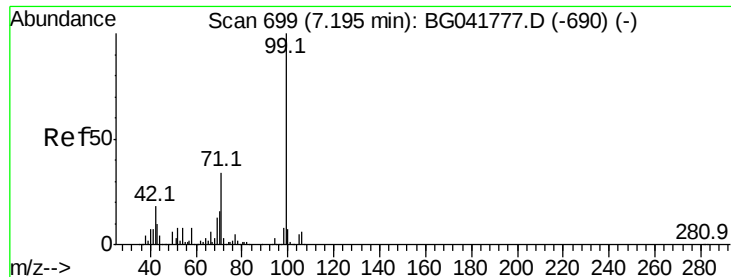
2-Fluorophenol
Concen: 81.773 ng
RT: 5.59 min Scan# 426
Delta R.T. 0.00 min
Lab File: BG041889.D
Acq: 2 Aug 2019 15:31

Tgt Ion:112 Resp: 342262
Ion Ratio Lower Upper
112 100
64 58.5 55.4 83.2
63 32.6 29.1 43.7



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: 82.987 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG041889.D

Acq: 2 Aug 2019 15:31

Instrument :

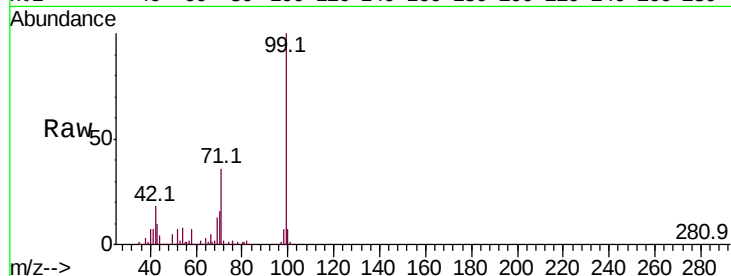
BNA_G

ClientSampleId :

1S-M-(0-30)-COMP

Tot Ion: 99 Resp: 468276

Ion	Ratio	Lower	Upper
99	100		
42	18.1	17.6	26.4
71	35.6	27.8	41.6

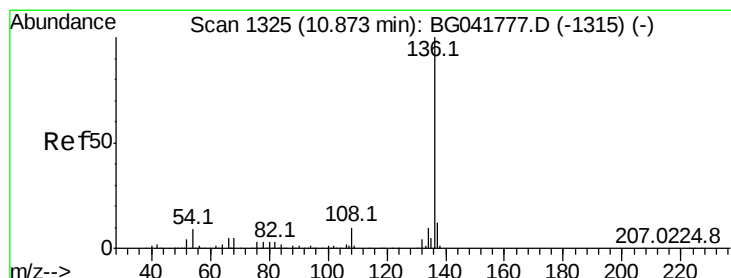
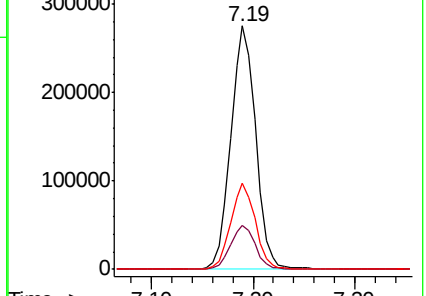
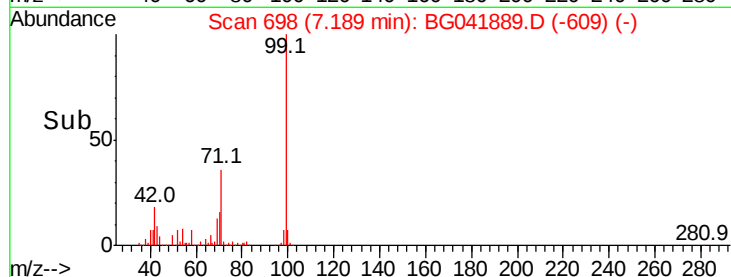


Abundance

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.87 min Scan# 1324

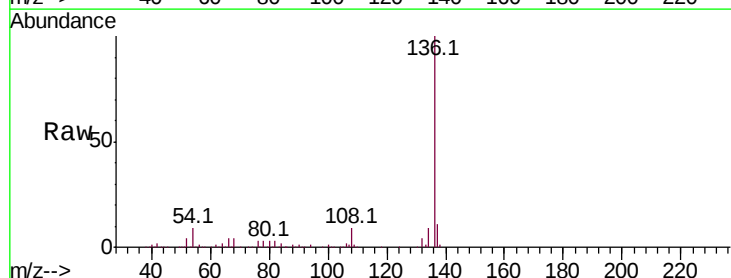
Delta R.T. -0.01 min

Lab File: BG041889.D

Acq: 2 Aug 2019 15:31

Tgt Ion: 136 Resp: 340148

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	9.1	8.7	13.1
68	4.3	5.5	8.3#



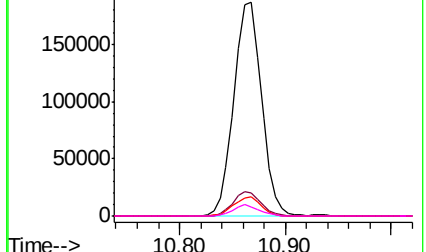
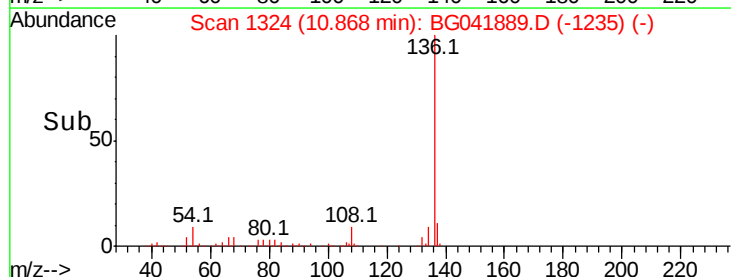
Abundance

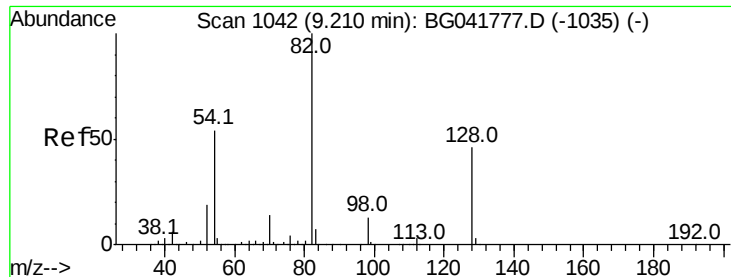
Ion 136.00 (135.70 to 136.70): BGC

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

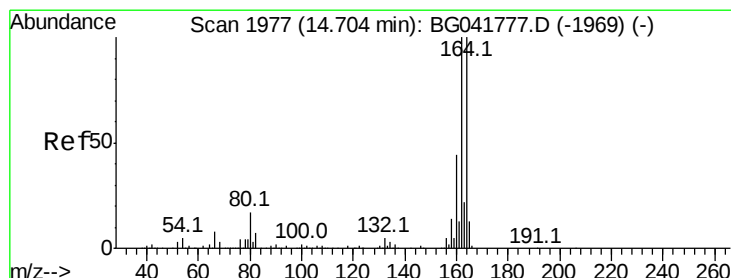
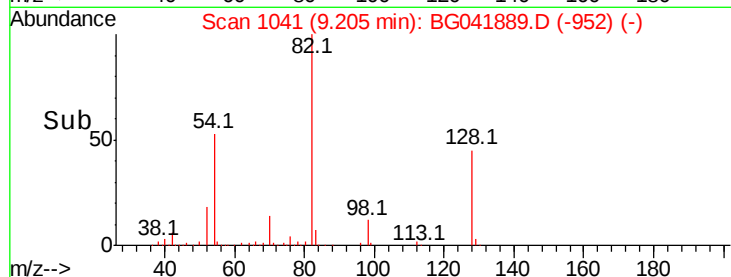
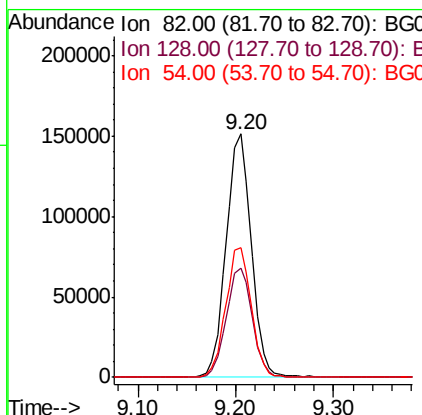
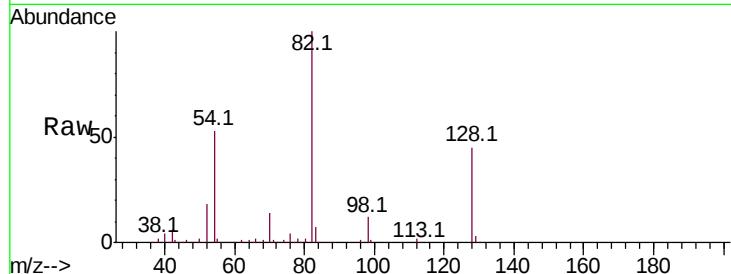




#23
Nitrobenzene-d5
Concen: 54.794 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG041889.D
Acq: 2 Aug 2019 15:31

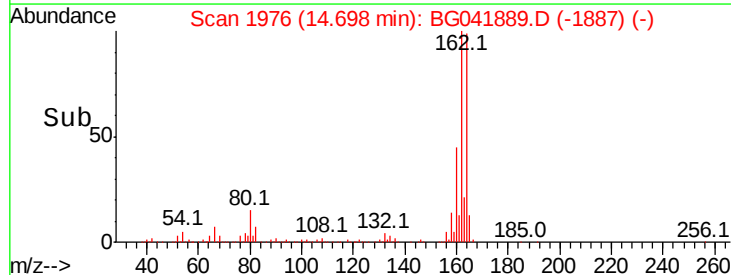
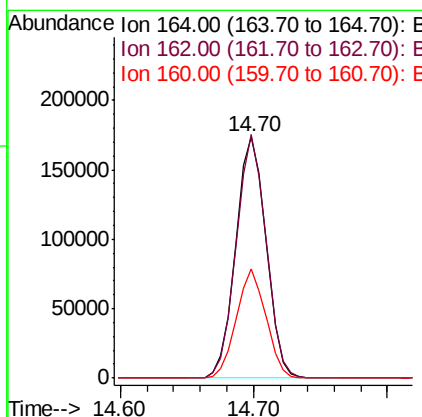
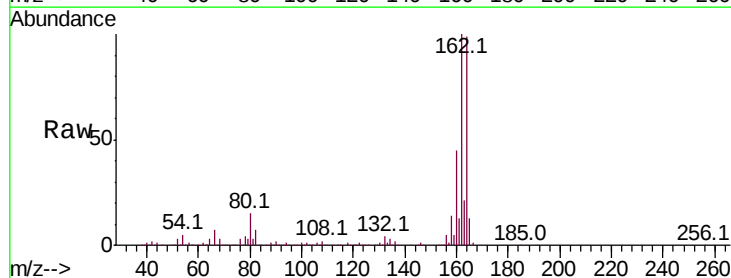
Instrument :
BNA_G
ClientSampleId :
1S-M-(0-30)-COMP

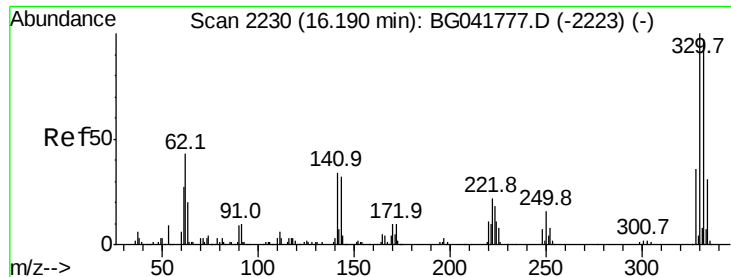
Tot Ion	82	Resp	270840
Ion Ratio	Lower	Upper	
82	100		
128	44.6	35.1	52.7
54	53.3	48.7	73.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BG041889.D
Acq: 2 Aug 2019 15:31

Tgt Ion	164	Resp	274329
Ion Ratio	Lower	Upper	
164	100		
162	100.9	79.6	119.4
160	45.2	35.4	53.0

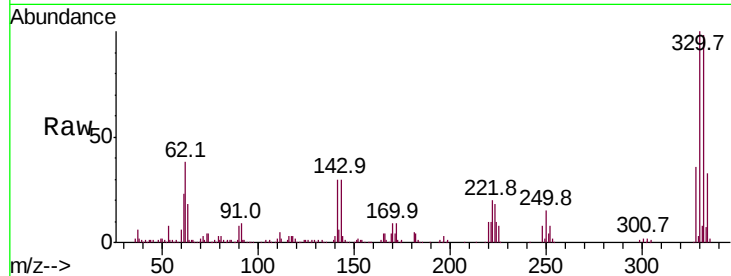




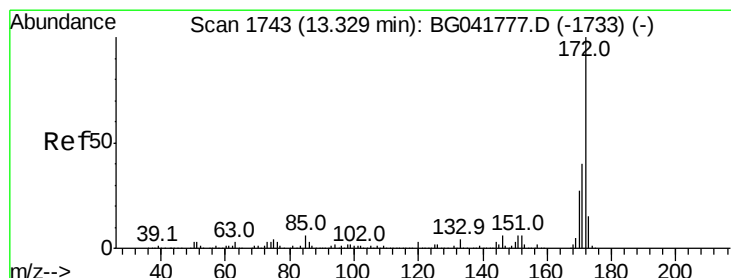
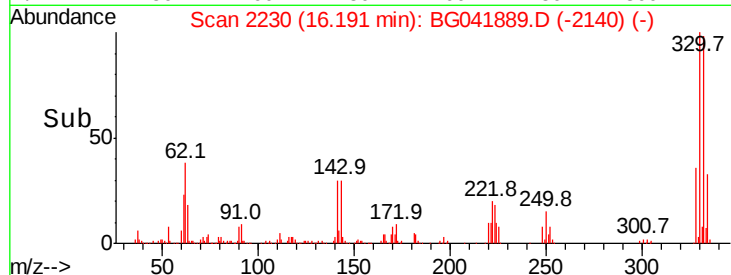
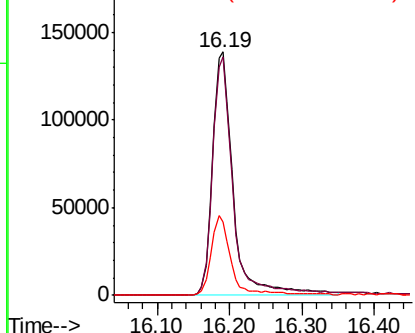
#42
 2,4,6-Tribromophenol
 Concen: 88.689 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. 0.00 min
 Lab File: BG041889.D
 Acq: 2 Aug 2019 15:31

Instrument :
 BNA_G
 ClientSampleId :
 1S-M-(0-30)-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.4	116.0
141	31.2	31.9	47.9#

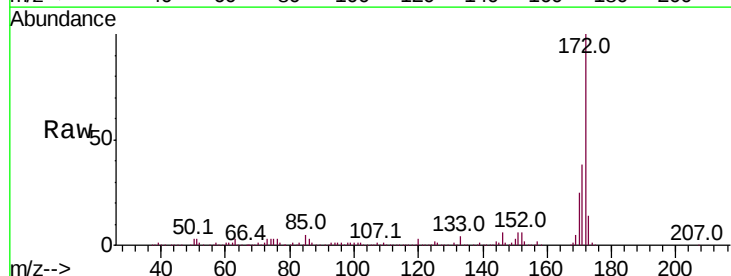


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

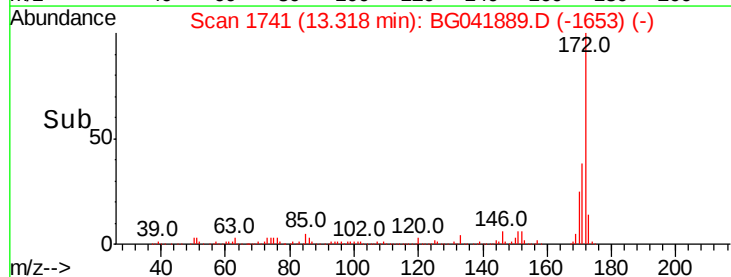
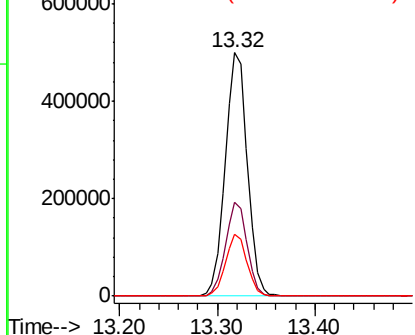


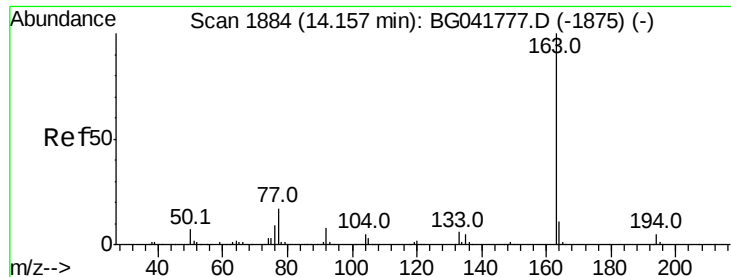
#45
 2-Fluorobiphenyl
 Concen: 50.469 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: BG041889.D
 Acq: 2 Aug 2019 15:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	35.0	52.4
170	25.2	23.5	35.3



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

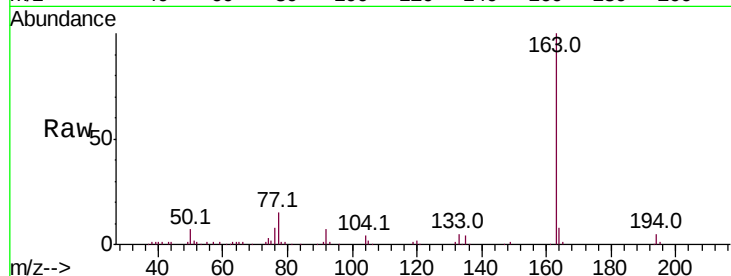




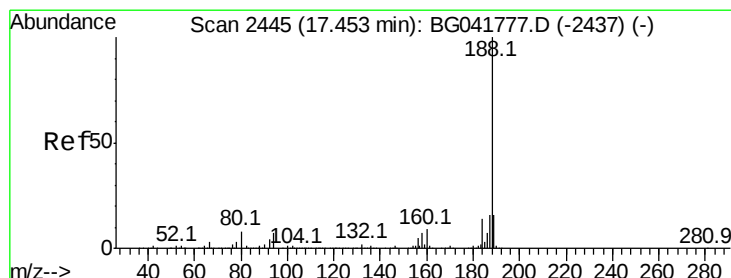
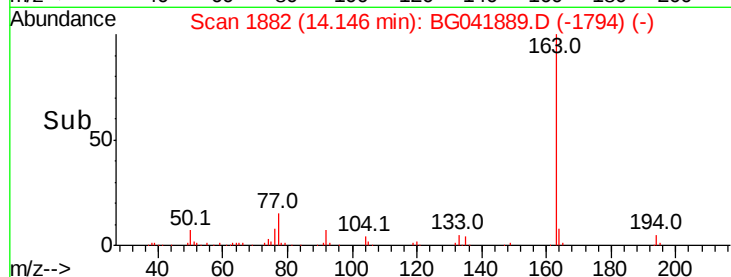
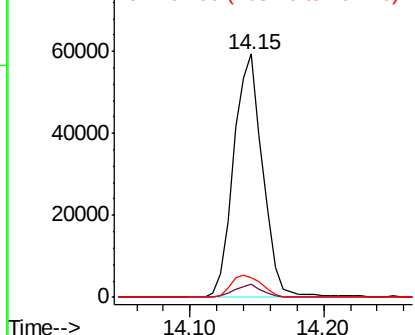
#50
Dimethylphthalate
Concen: 4.781 ng
RT: 14.15 min Scan# 1882
Delta R.T. -0.01 min
Lab File: BG041889.D
Acq: 2 Aug 2019 15:31

Instrument :
BNA_G
ClientSampleId :
1S-M-(0-30)-COMP

Tot Ion:163 Resp: 89577
Ion Ratio Lower Upper
163 100
194 5.3 4.2 6.2
164 8.3 9.4 14.2#

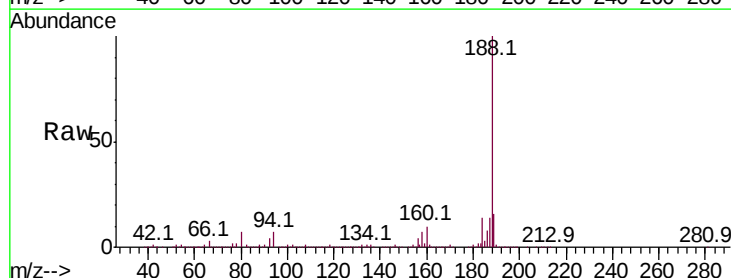


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

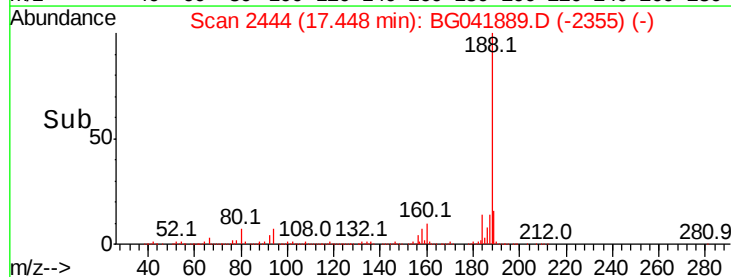
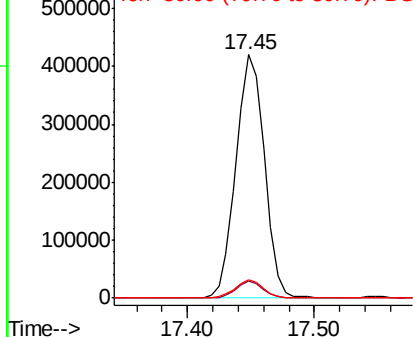


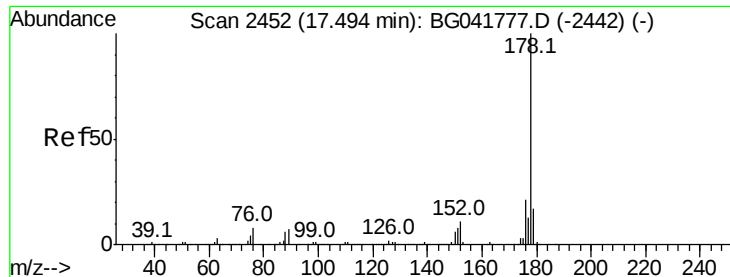
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.45 min Scan# 2444
Delta R.T. -0.01 min
Lab File: BG041889.D
Acq: 2 Aug 2019 15:31

Tgt Ion:188 Resp: 654025
Ion Ratio Lower Upper
188 100
94 6.8 6.9 10.3#
80 7.5 8.0 12.0#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

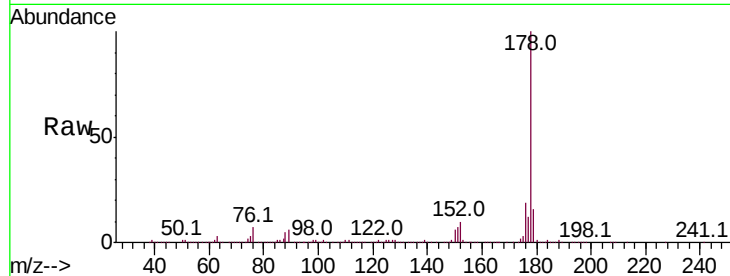




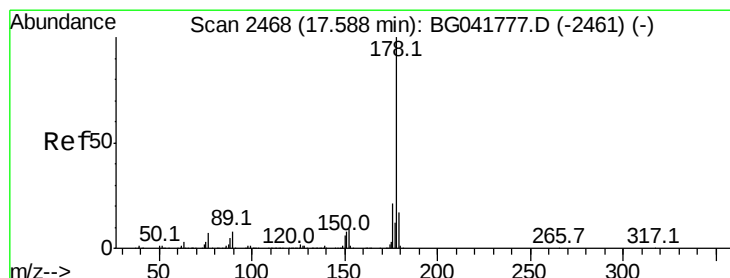
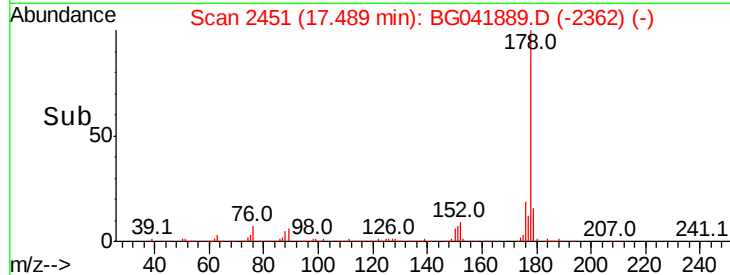
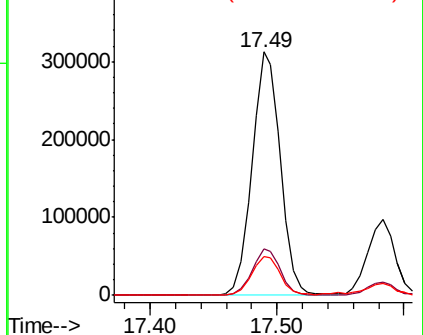
#71
Phenanthrene
Concen: 15.483 ng
RT: 17.49 min Scan# 2451
Delta R.T. -0.01 min
Lab File: BG041889.D
Acq: 2 Aug 2019 15:31

Instrument :
BNA_G
ClientSampleId :
1S-M-(0-30)-COMP

Tot Ion:178 Resp: 485379
Ion Ratio Lower Upper
178 100
176 19.3 18.6 28.0
179 16.2 15.4 23.0

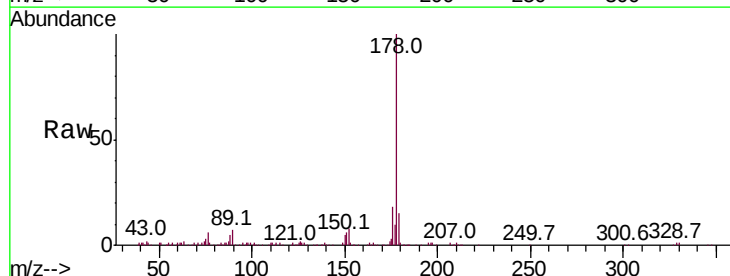


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

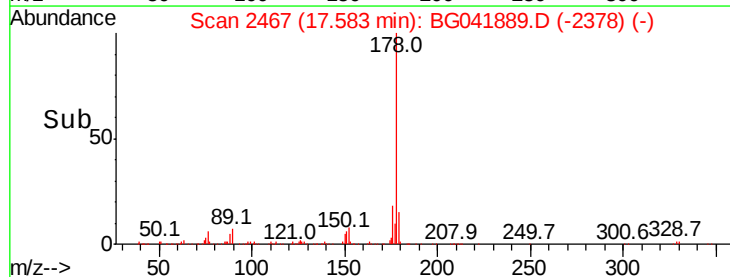
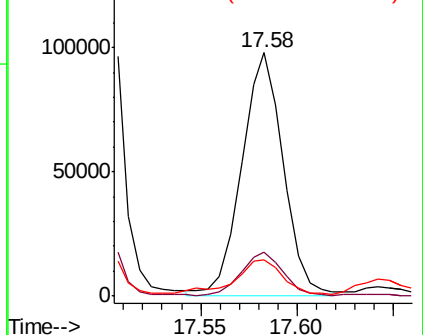


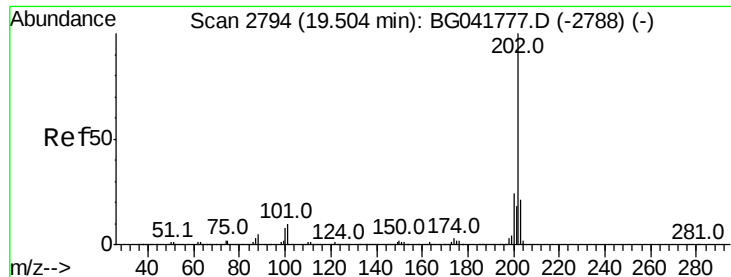
#72
Anthracene
Concen: 4.735 ng m
RT: 17.58 min Scan# 2467
Delta R.T. -0.01 min
Lab File: BG041889.D
Acq: 2 Aug 2019 15:31

Tgt Ion:178 Resp: 148044
Ion Ratio Lower Upper
178 100
176 17.9 18.6 28.0#
179 14.9 15.1 22.7#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 28.463 ng

RT: 19.50 min Scan# 2794

Delta R.T. 0.00 min

Lab File: BG041889.D

Acq: 2 Aug 2019 15:31

Instrument :

BNA_G

ClientSampleId :

1S-M-(0-30)-COMP

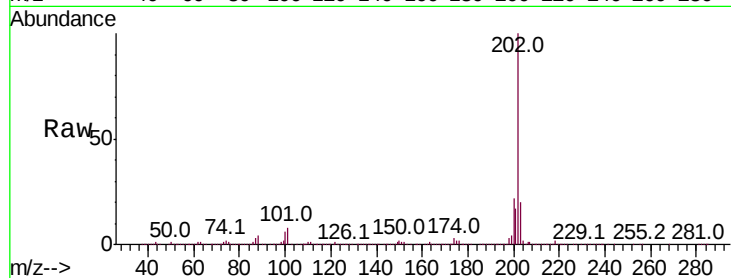
Tot Ion:202 Resp: 1084614

Ion Ratio Lower Upper

202 100

101 8.0 0.0 32.8

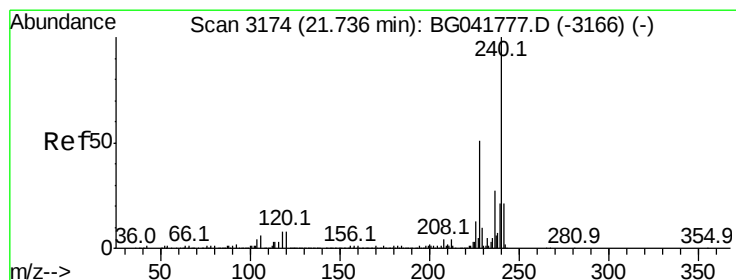
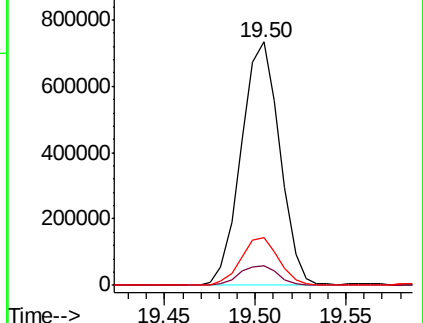
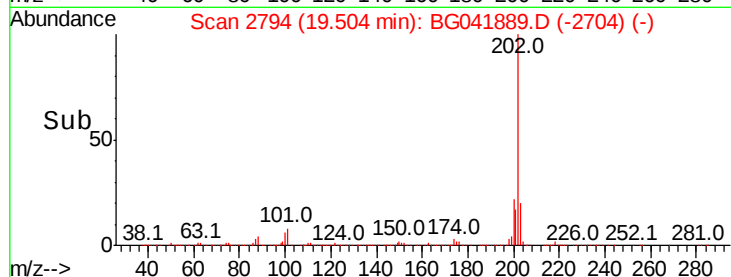
203 19.7 3.7 43.7



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: 21.73 min Scan# 3173

Delta R.T. -0.01 min

Lab File: BG041889.D

Acq: 2 Aug 2019 15:31

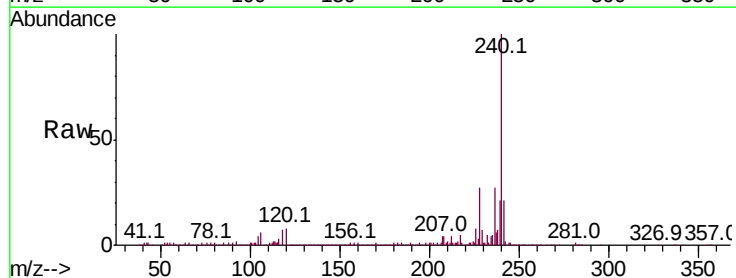
Tgt Ion:240 Resp: 651021

Ion Ratio Lower Upper

240 100

120 7.8 8.0 12.0#

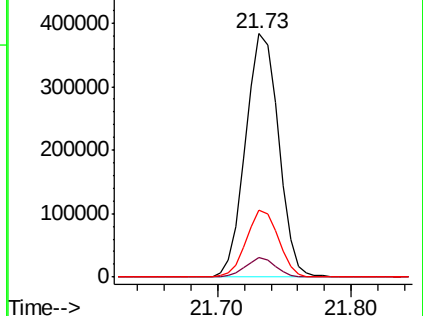
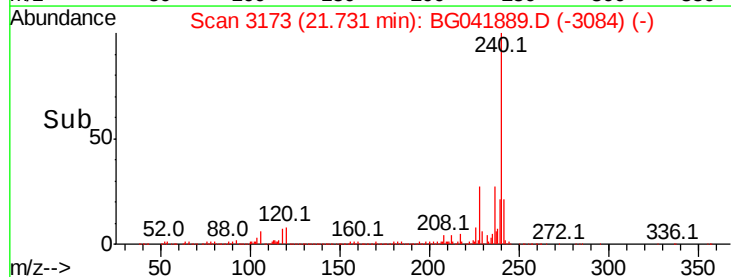
236 27.3 22.6 33.8

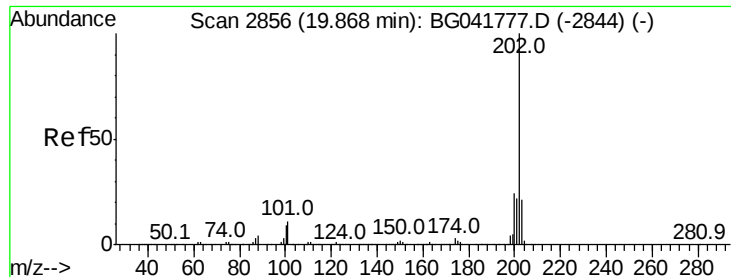


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

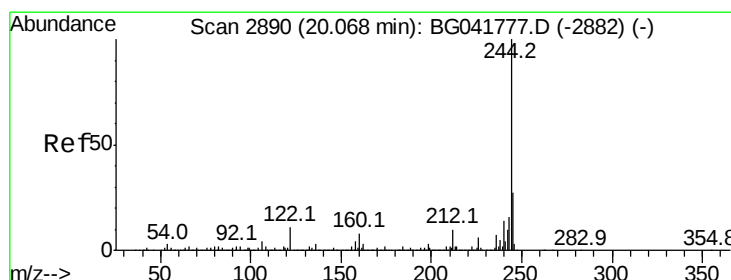
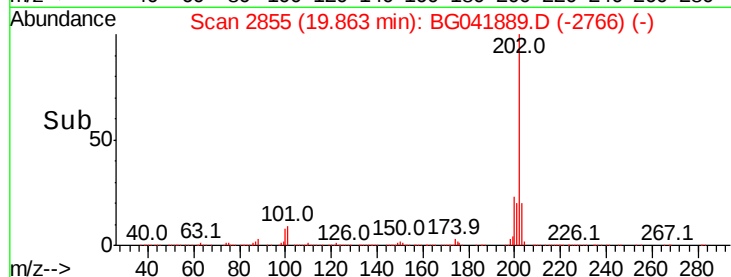
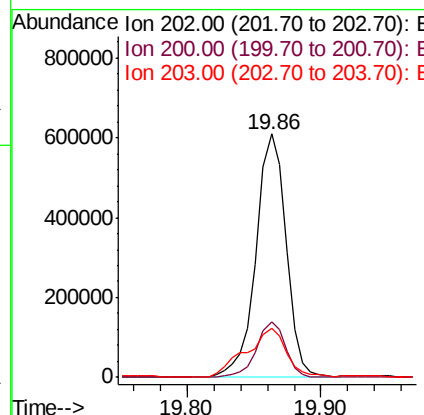
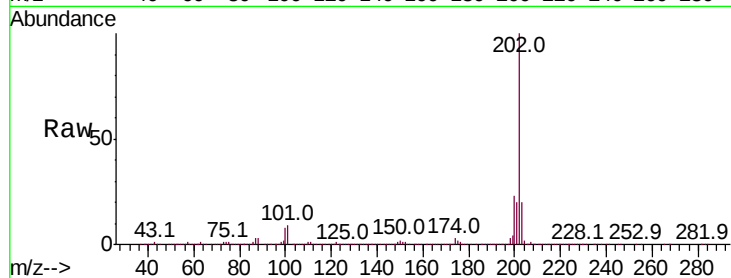




#78
Pvrene
Concen: 24.514 ng
RT: 19.86 min Scan# 2855
Delta R.T. -0.01 min
Lab File: BG041889.D
Acq: 2 Aug 2019 15:31

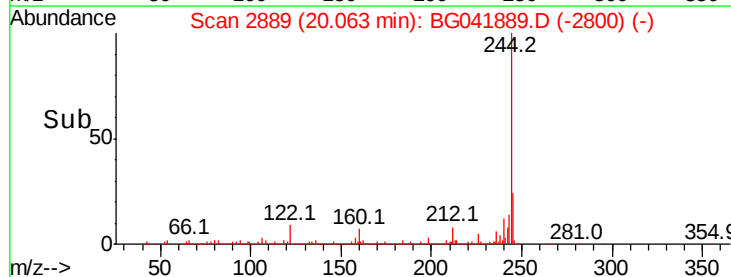
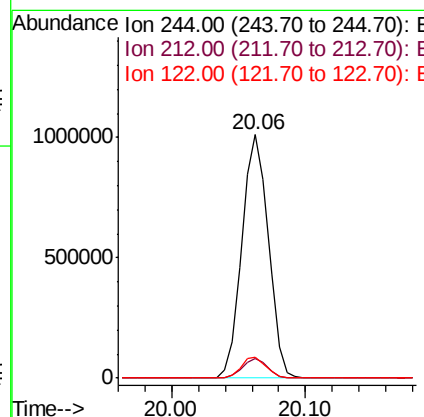
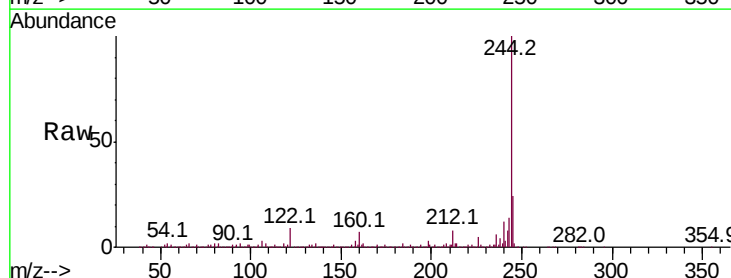
Instrument :
BNA_G
ClientSampleId :
1S-M-(0-30)-COMP

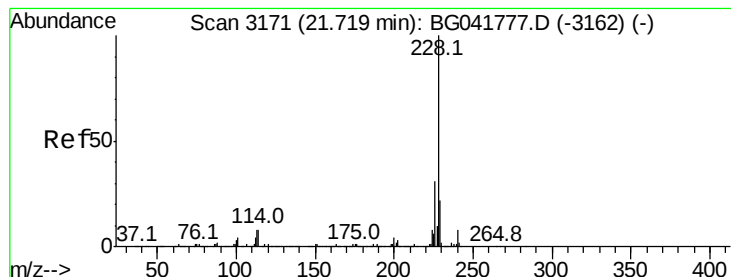
Tot Ion	Ratio	Lower	Upper
202	100		
200	23.0	22.2	33.2
203	20.1	18.9	28.3



#79
Terphenyl-d14
Concen: 48.672 ng
RT: 20.06 min Scan# 2889
Delta R.T. -0.00 min
Lab File: BG041889.D
Acq: 2 Aug 2019 15:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	9.7	14.5#
122	8.6	12.5	18.7#





#81

Benzo(a)anthracene

Concen: 16.749 ng

RT: 21.71 min Scan# 3170

Delta R.T. -0.01 min

Lab File: BG041889.D

Acq: 2 Aug 2019 15:31

Instrument :

BNA_G

ClientSampleId :

1S-M-(0-30)-COMP

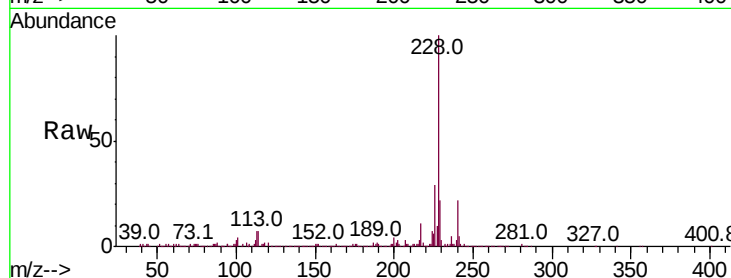
Tot Ion:228 Resp: 645130

Ion	Ratio	Lower	Upper
228	100		
226	29.4	27.3	40.9
229	22.1	19.7	29.5

228 100

226 29.4 27.3 40.9

229 22.1 19.7 29.5

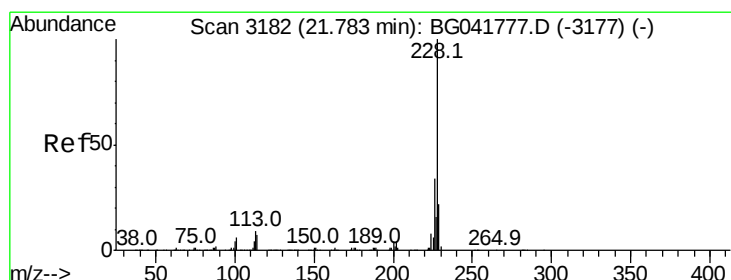
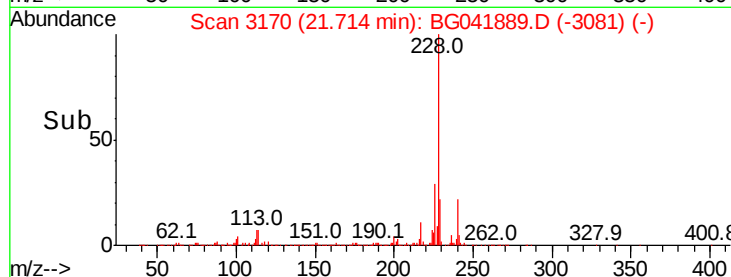
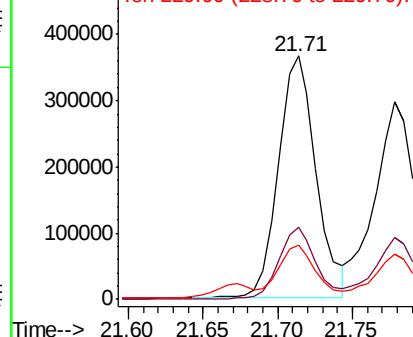


Abundance

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: 14.577 ng

RT: 21.78 min Scan# 3181

Delta R.T. -0.01 min

Lab File: BG041889.D

Acq: 2 Aug 2019 15:31

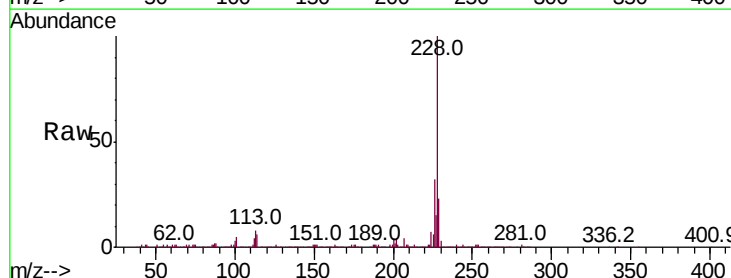
Tgt Ion:228 Resp: 538202

Ion	Ratio	Lower	Upper
228	100		
226	31.6	30.1	45.1
229	22.9	19.8	29.6

228 100

226 31.6 30.1 45.1

229 22.9 19.8 29.6

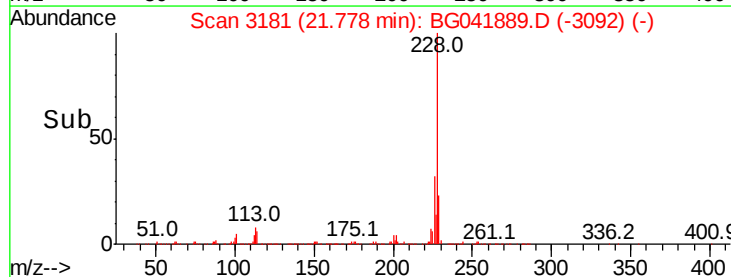
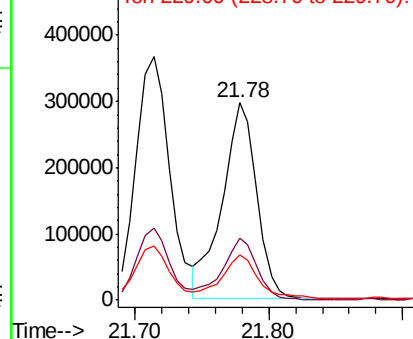


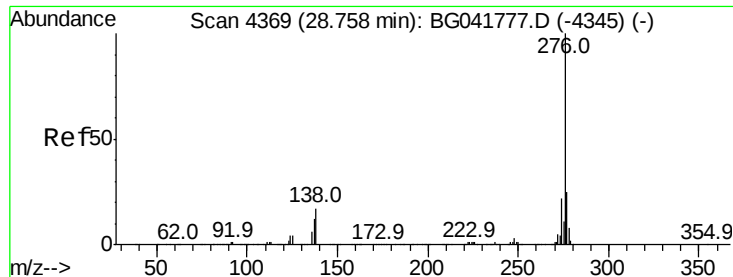
Abundance

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

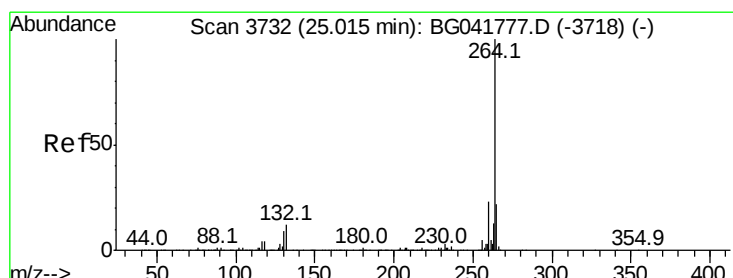
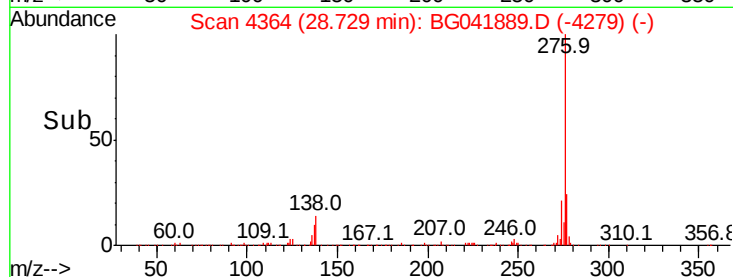
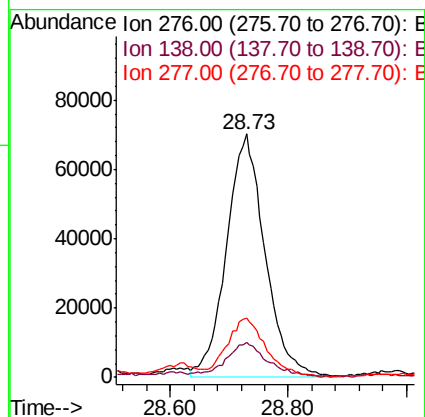
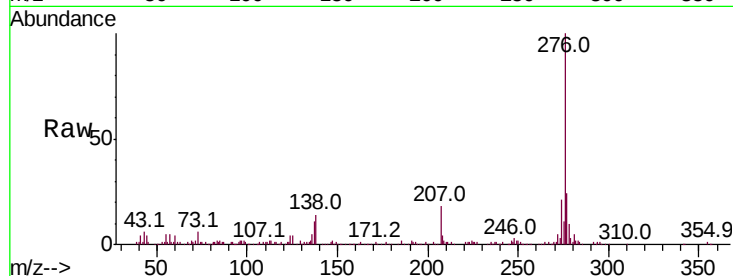




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.456 ng
 RT: 28.73 min Scan# 4364
 Delta R.T. -0.03 min
 Lab File: BG041889.D
 Acq: 2 Aug 2019 15:31

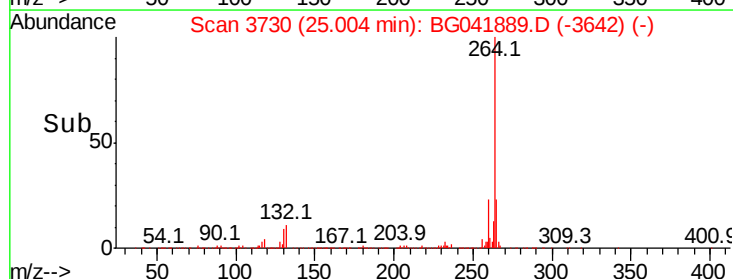
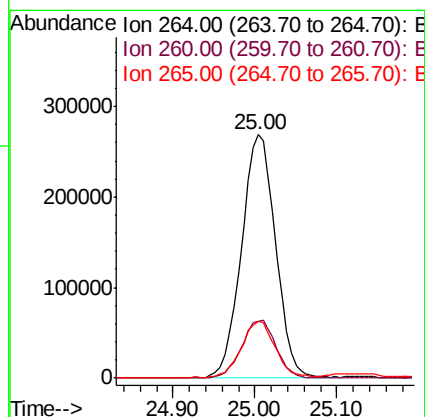
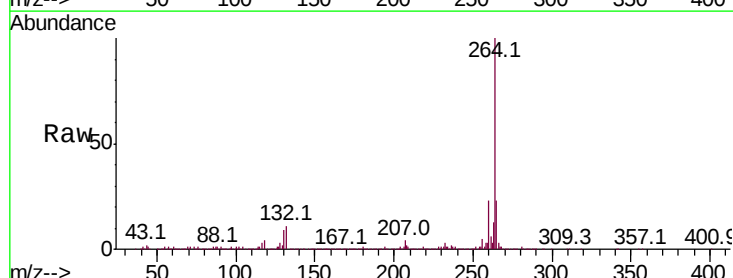
Instrument :
 BNA_G
 ClientSampleId :
 1S-M-(0-30)-COMP

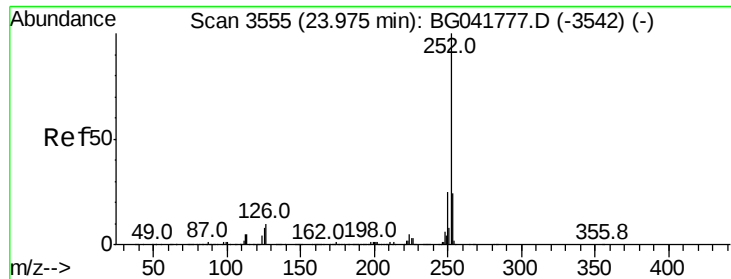
Tot Ion	Ratio	Lower	Upper
276	100		
138	15.2	19.4	29.0
277	24.6	21.2	31.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.00 min Scan# 3730
 Delta R.T. -0.01 min
 Lab File: BG041889.D
 Acq: 2 Aug 2019 15:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	23.1	18.0	27.0





#88

Benzo(b)fluoranthene

Concen: 16.598 ng m

RT: 23.97 min Scan# 3554

Delta R.T. -0.01 min

Lab File: BG041889.D

Acq: 2 Aug 2019 15:31

Instrument :

BNA_G

ClientSampleId :

1S-M-(0-30)-COMP

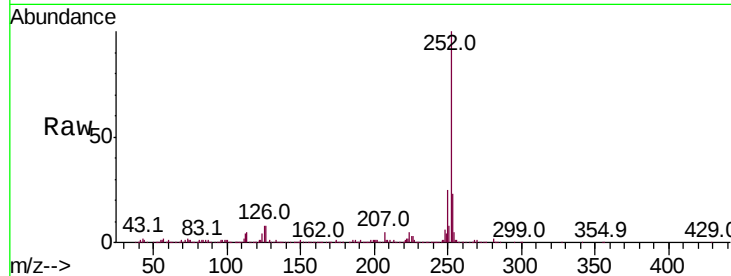
Tot Ion:252 Resp: 706060

Ion Ratio Lower Upper

252 100

253 23.2 20.6 30.8

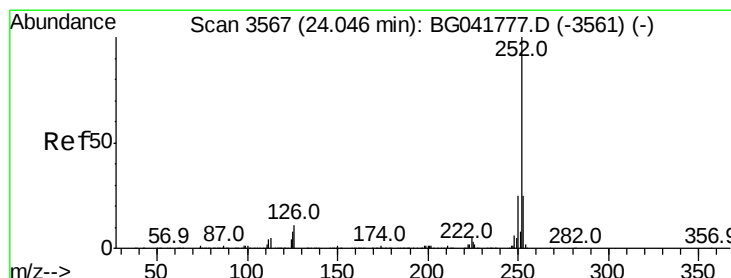
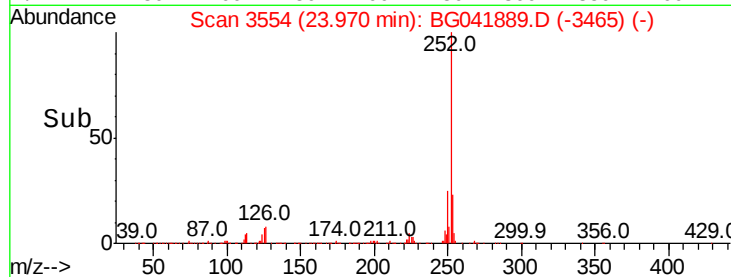
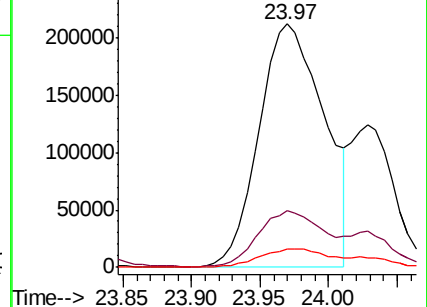
125 7.6 8.0 12.0#



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



#89

Benzo(k)fluoranthene

Concen: 6.517 ng m

RT: 24.03 min Scan# 3564

Delta R.T. -0.02 min

Lab File: BG041889.D

Acq: 2 Aug 2019 15:31

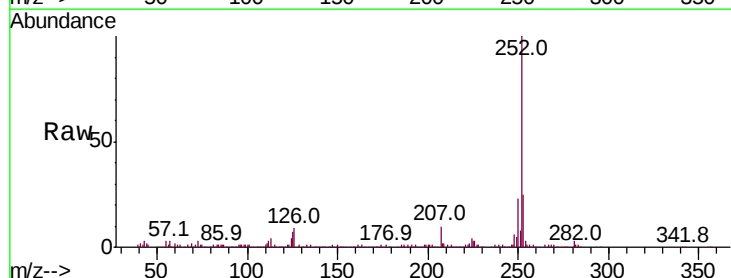
Tgt Ion:252 Resp: 270064

Ion Ratio Lower Upper

252 100

253 25.4 20.5 30.7

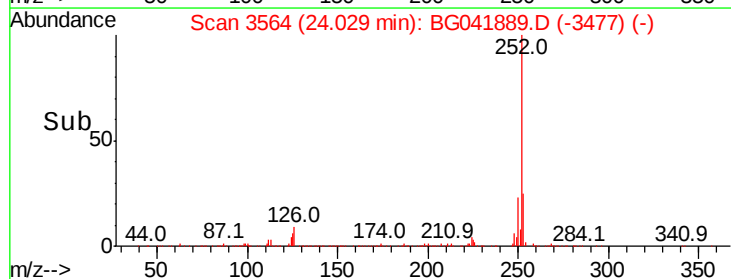
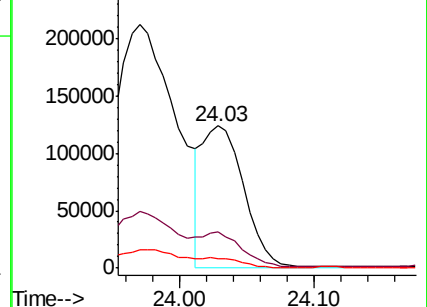
125 6.8 8.4 12.6#

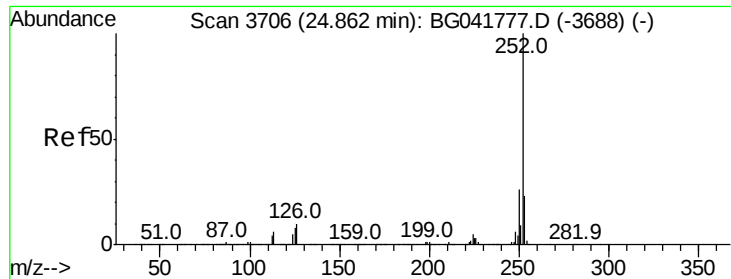


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 12.918 ng/mL

RT: 24.85 min Scan# 3703

Delta R.T. -0.02 min

Lab File: BG041889.D

Acq: 2 Aug 2019 15:31

Instrument :

BNA_G

ClientSampleId :

1S-M-(0-30)-COMP

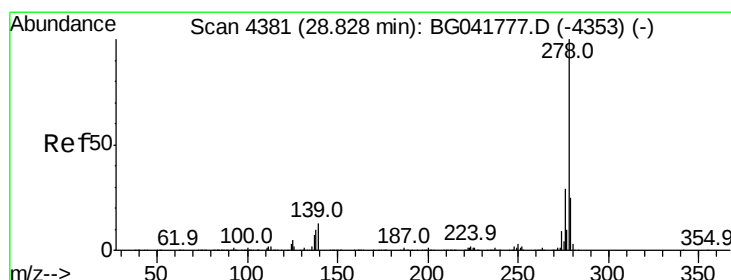
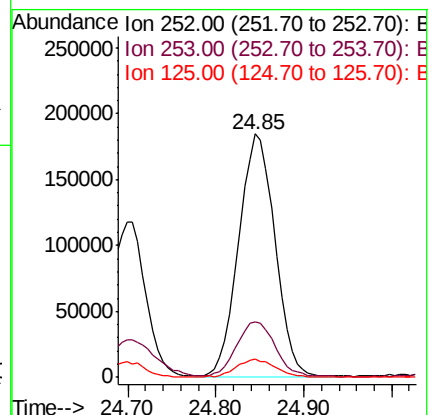
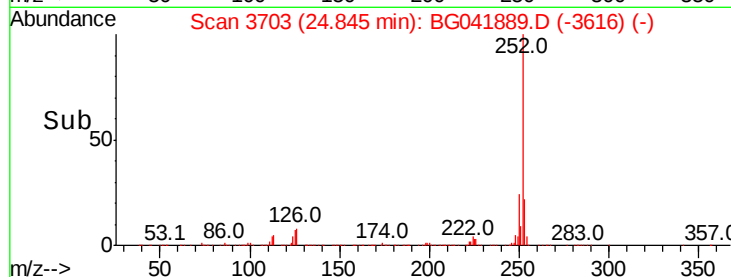
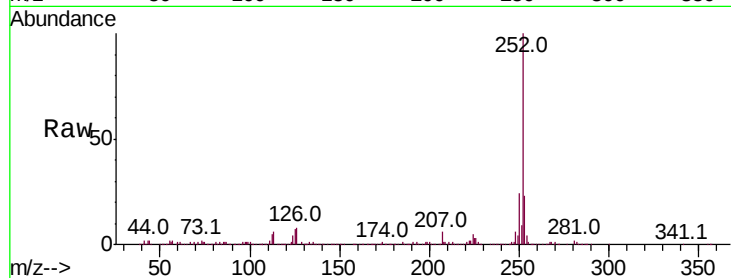
Tot Ion:252 Resp: 527021

Ion Ratio Lower Upper

252 100

253 22.6 19.8 29.8

125 7.5 8.8 13.2#



#91

Dibenzo(a,h)anthracene

Concen: 2.157 ng/mL

RT: 28.78 min Scan# 4372

Delta R.T. -0.05 min

Lab File: BG041889.D

Acq: 2 Aug 2019 15:31

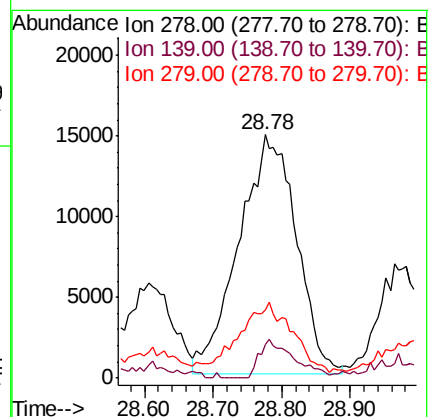
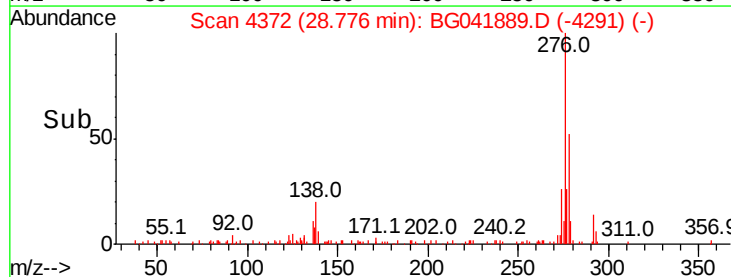
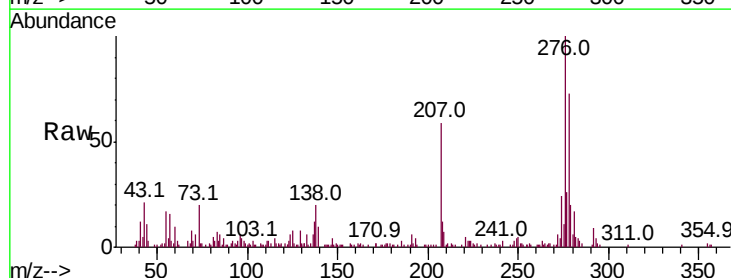
Tgt Ion:278 Resp: 86405

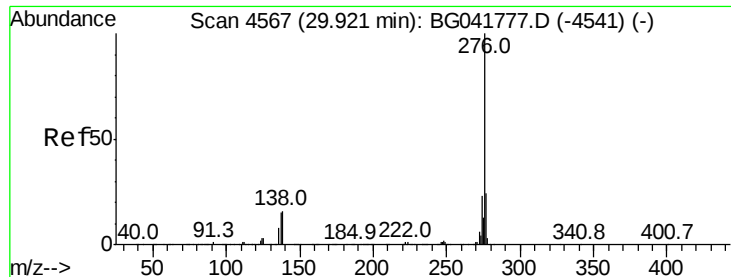
Ion Ratio Lower Upper

278 100

139 14.1 12.6 19.0

279 28.1 20.5 30.7





#92

Benzo(a,h,i)perylene

Concen: 7.003 ng

RT: 29.89 min Scan# 4562

Delta R.T. -0.03 min

Lab File: BG041889.D

Acq: 2 Aug 2019 15:31

Instrument :

BNA_G

ClientSampleId :

1S-M-(0-30)-COMP

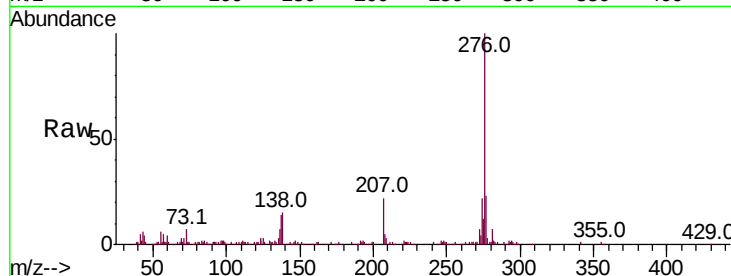
Tot Ion:276 Resp: 280282

Ion Ratio Lower Upper

276 100

277 23.3 19.8 29.8

138 15.1 16.6 25.0#



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

