

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
 Data File : BG042377.D
 Acq On : 21 Aug 2019 3:38
 Operator : HP/JU
 Sample : K4388-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T6-E1-E2-(0-2)

Quant Time: Aug 21 06:07:30 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

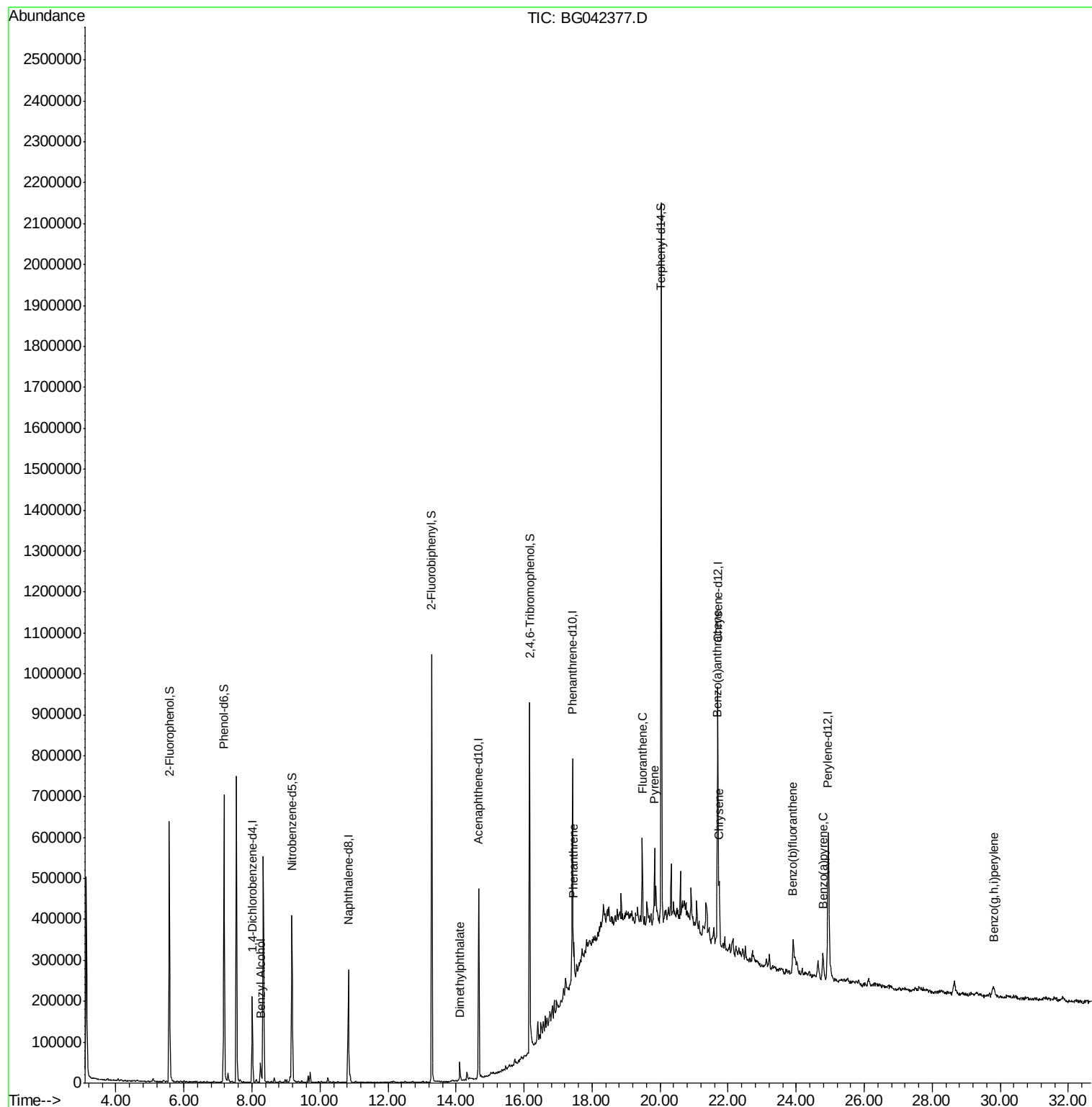
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	70303	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	271412	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	187635	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	355680	20.00	ng	0.00
76) Chrysene-d12	21.70	240	364618	20.00	ng	0.00
87) Perylene-d12	24.94	264	442214	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	344217	99.20	ng	0.01
7) Phenol-d6	7.18	99	472506	100.27	ng	0.01
23) Nitrobenzene-d5	9.18	82	263110	68.18	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	231896	90.74	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	622687	56.16	ng	0.00
79) Terphenyl-d14	20.03	244	880967	52.92	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.25	79	22546	6.957	ng	98
50) Dimethylphthalate	14.11	163	37218	2.791	ng	99
71) Phenanthrene	17.46	178	61198	3.455	ng	97
75) Fluoranthene	19.48	202	143913	6.737	ng	98
78) Pyrene	19.83	202	128835	5.742	ng	97
81) Benzo(a)anthracene	21.68	228	83669	3.737	ng	99
83) Chrysene	21.74	228	74999	3.501	ng	96
88) Benzo(b)fluoranthene	23.92	252	107815	4.436	ng	# 97
90) Benzo(a)pyrene	24.79	252	80326	3.449	ng	# 97
92) Benzo(g,h,i)perylene	29.80	276	51756	2.235	ng	# 93

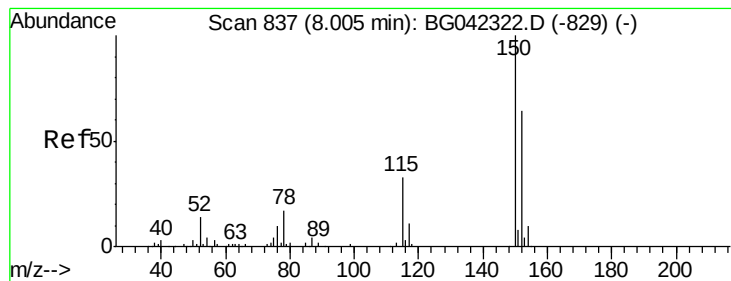
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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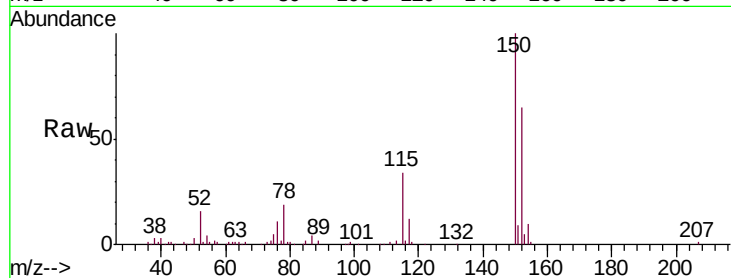


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

Instrument :
BNA_G
ClientSampleId :
T6-E1-E2-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.3	186.5
115	53.1	40.5	60.7

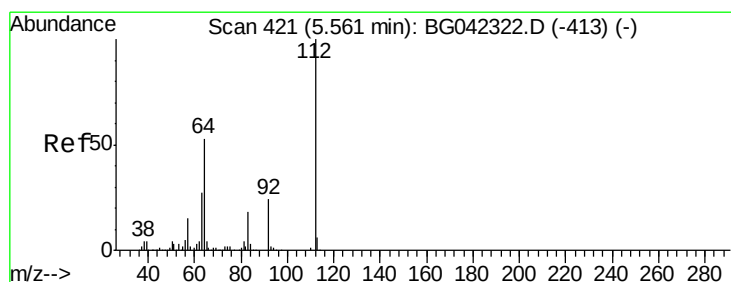
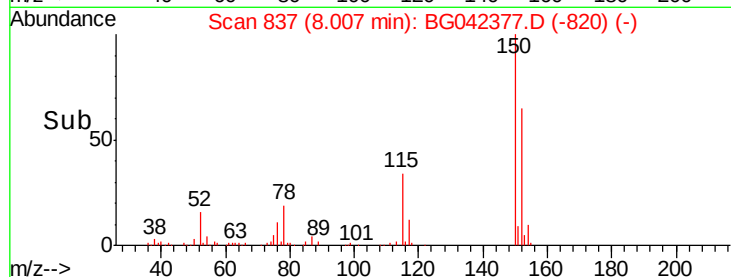
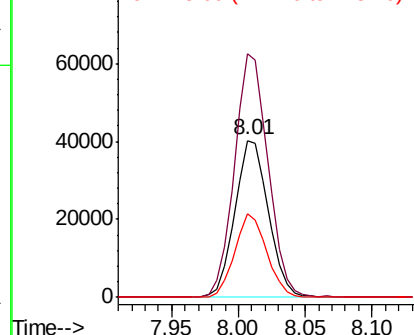


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

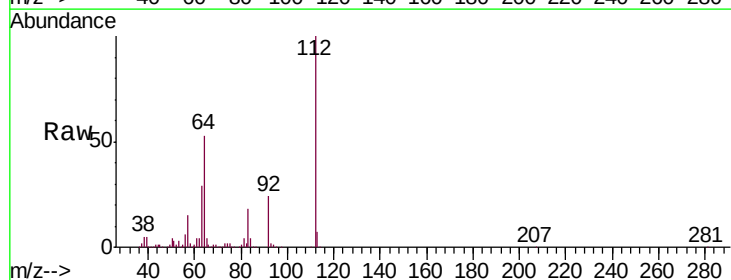
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 99.202 ng
RT: 5.57 min Scan# 423
Delta R.T. 0.01 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	42.5	63.7
63	28.7	21.7	32.5

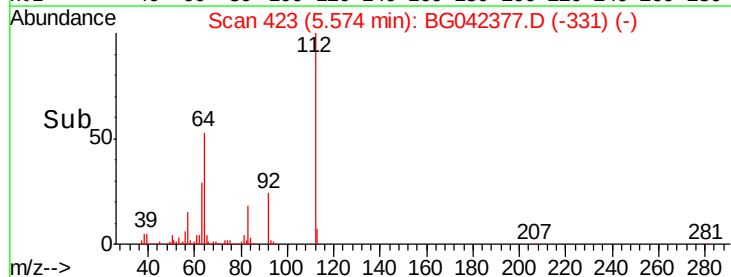
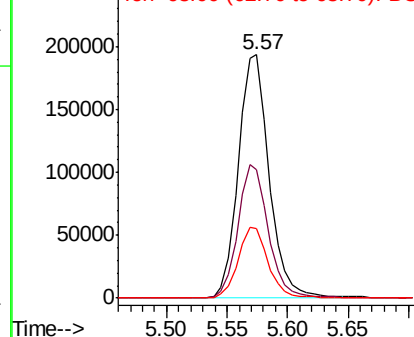


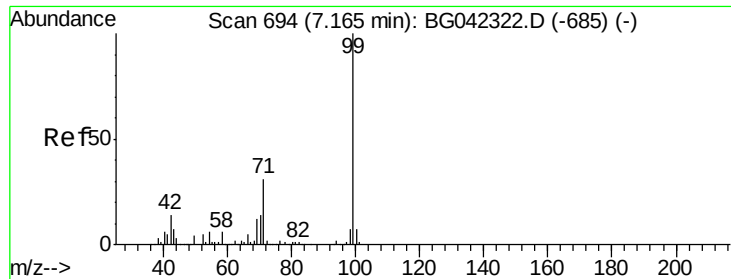
Abundance

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: 100.266 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.01 min

Lab File: BG042377.D

Acq: 21 Aug 2019 3:38

Instrument :

BNA_G

ClientSampleId :

T6-E1-E2-(0-2)

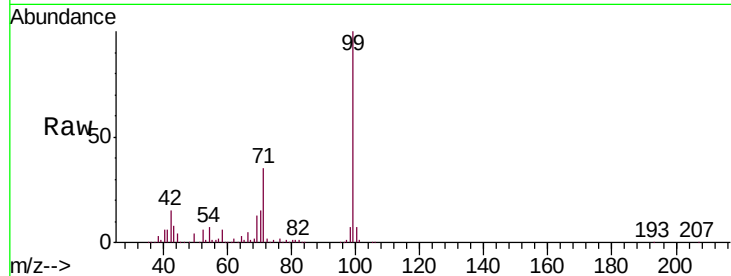
Tot Ion: 99 Resp: 472506

Ion Ratio Lower Upper

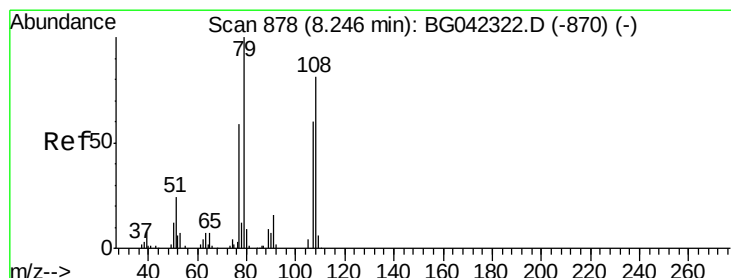
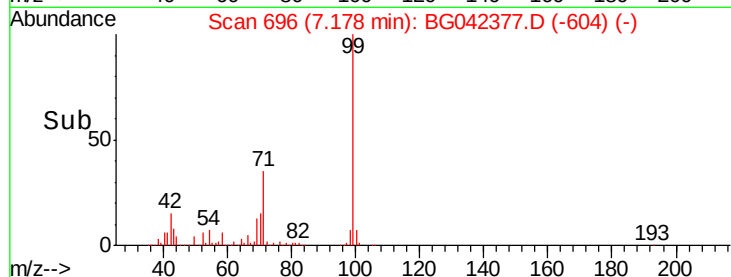
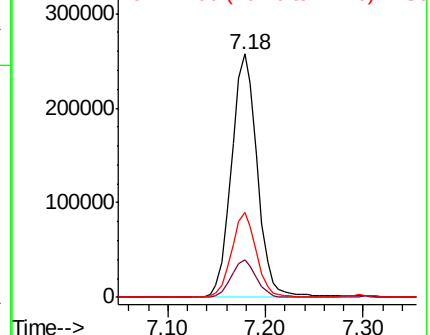
99 100

42 15.5 11.4 17.0

71 35.1 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: 6.957 ng

RT: 8.25 min Scan# 879

Delta R.T. 0.01 min

Lab File: BG042377.D

Acq: 21 Aug 2019 3:38

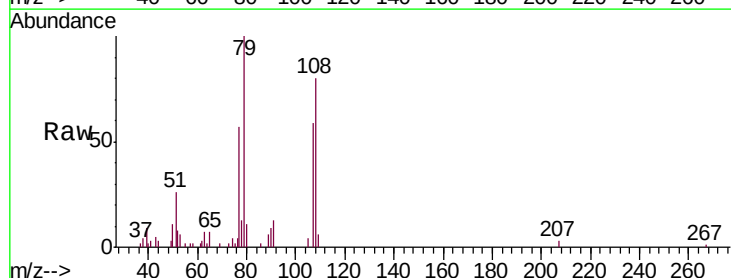
Tgt Ion: 79 Resp: 22546

Ion Ratio Lower Upper

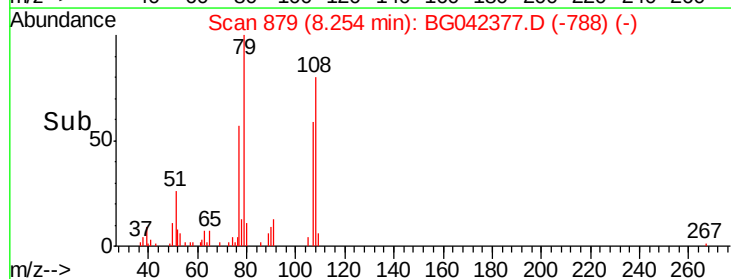
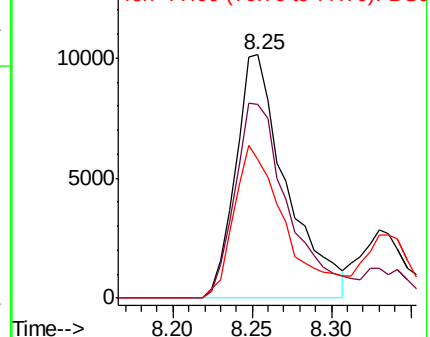
79 100

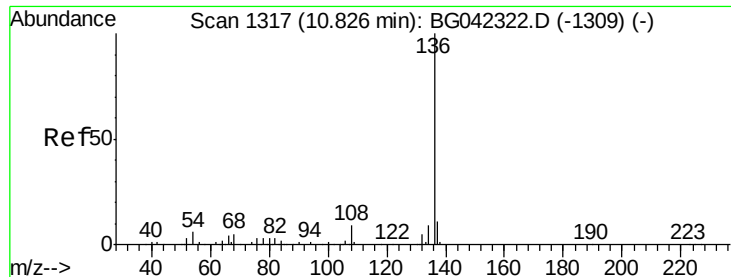
108 79.6 64.8 97.2

77 57.2 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# 1318

Delta R.T. 0.01 min

Lab File: BG042377.D

Acq: 21 Aug 2019 3:38

Instrument :

BNA_G

ClientSampleId :

T6-E1-E2-(0-2)

Tot Ion:136 Resp: 271412

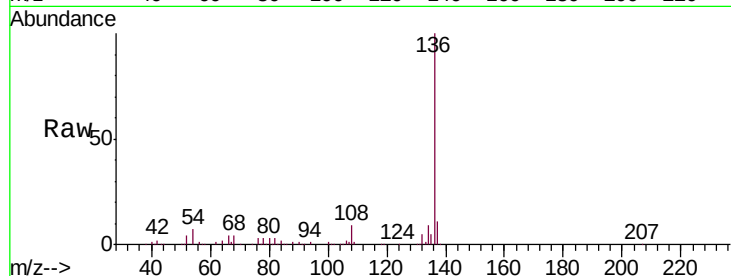
Ion Ratio Lower Upper

136 100

137 10.9 8.4 12.6

54 7.0 5.0 7.4

68 4.2 3.8 5.8

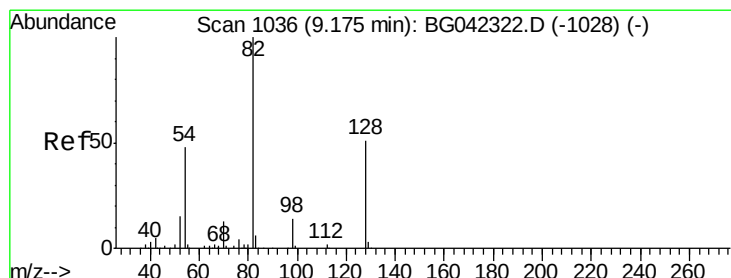
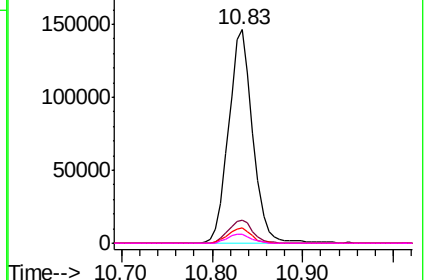
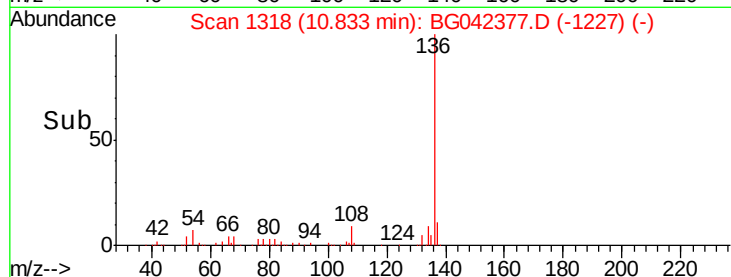


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.182 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BG042377.D

Acq: 21 Aug 2019 3:38

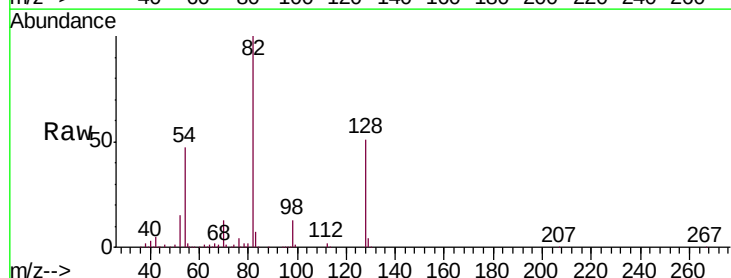
Tgt Ion: 82 Resp: 263110

Ion Ratio Lower Upper

82 100

128 50.9 41.0 61.4

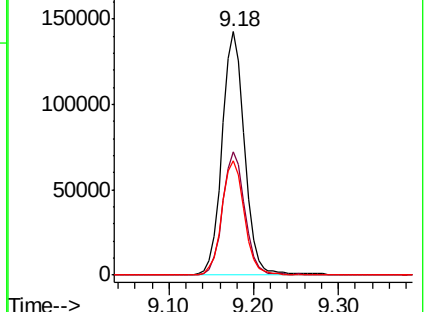
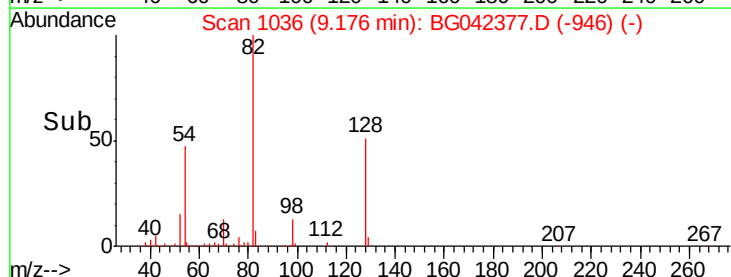
54 46.8 38.0 57.0

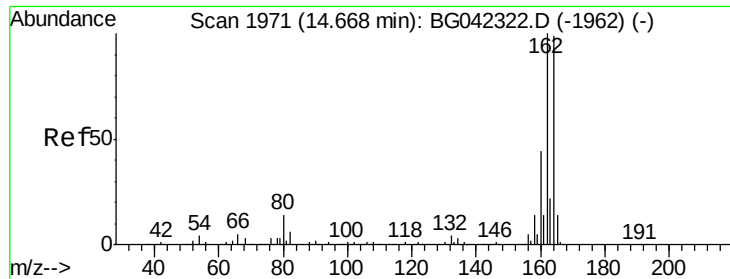


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

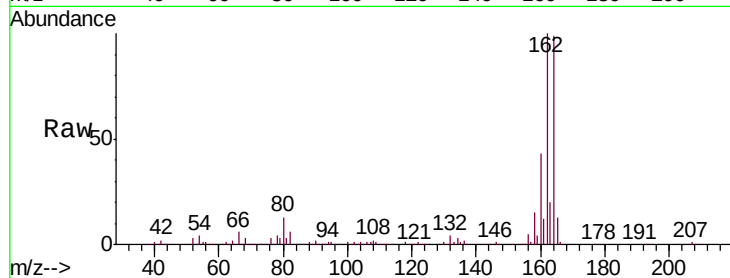




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: BG042377.D
 Acq: 21 Aug 2019 3:38

Instrument :
 BNA_G
 ClientSampleId :
 T6-E1-E2-(0-2)

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	43.8	35.7	53.5

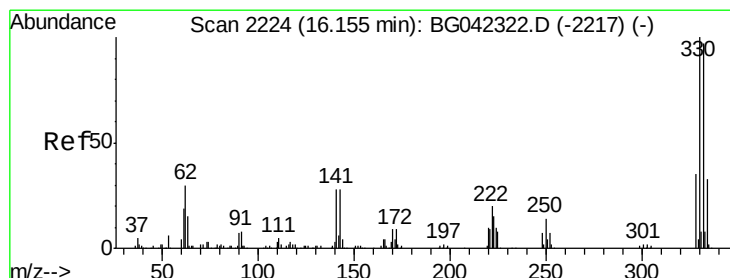
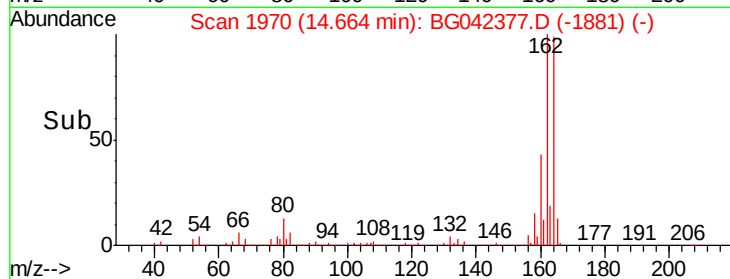
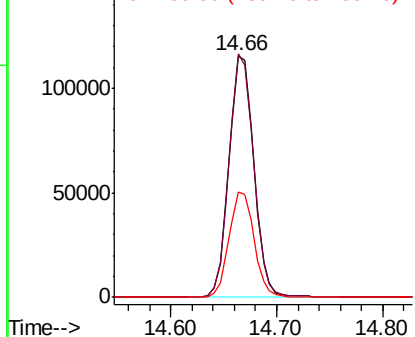


Abundance

Ion 164.00 (163.70 to 164.70): E

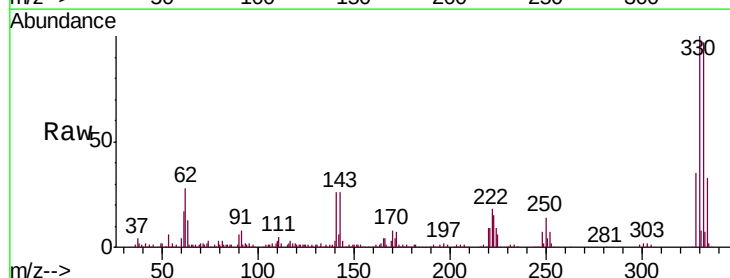
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
 2,4,6-Tribromophenol
 Concen: 90.742 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. 0.01 min
 Lab File: BG042377.D
 Acq: 21 Aug 2019 3:38

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.9	115.3
141	27.1	21.8	32.6

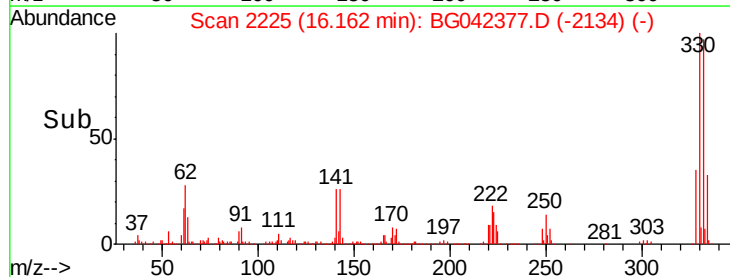
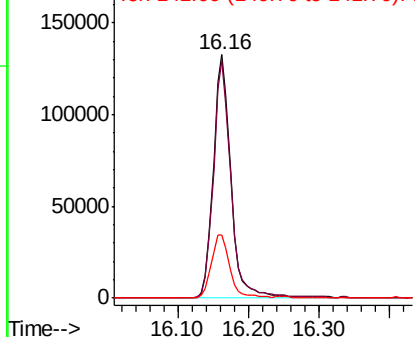


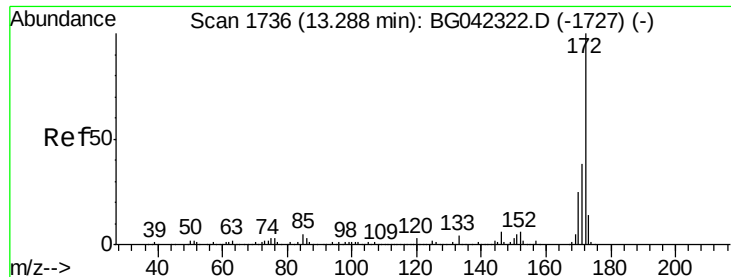
Abundance

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

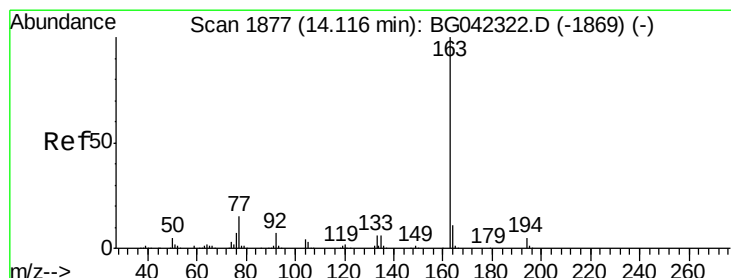
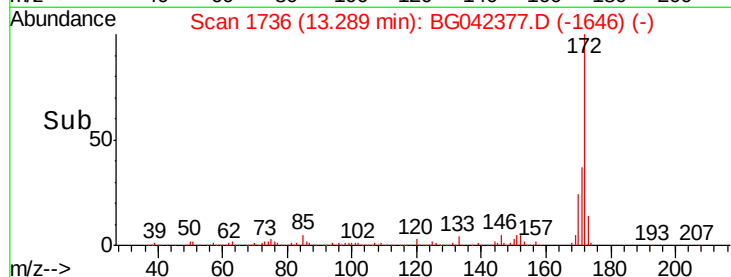
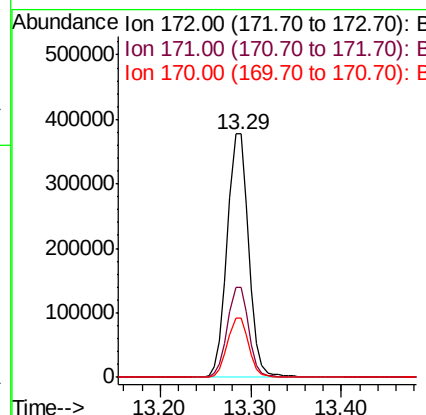
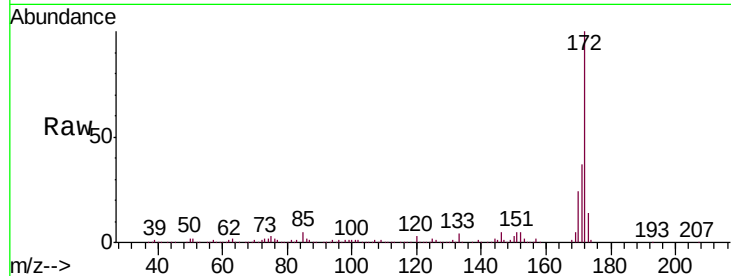




#45
2-Fluorobiphenyl
Concen: 56.156 ng
RT: 13.29 min Scan# 1736
Delta R.T. 0.00 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

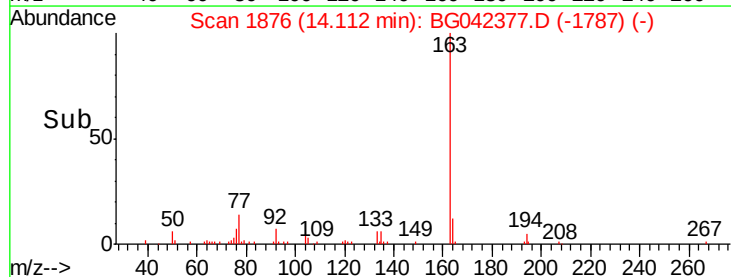
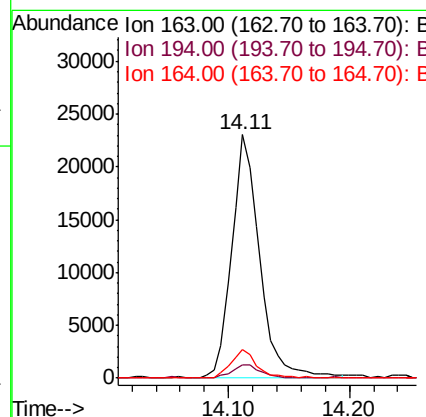
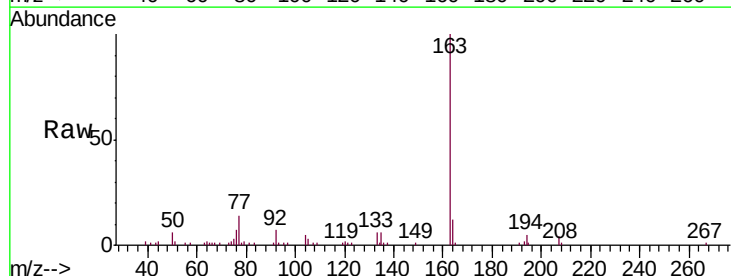
Instrument :
BNA_G
ClientSampleId :
T6-E1-E2-(0-2)

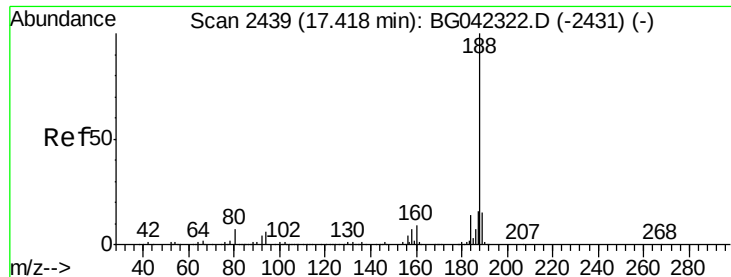
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.3	45.5
170	24.2	20.0	30.0



#50
Dimethylphthalate
Concen: 2.791 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.00 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.4	4.2	6.2
164	11.7	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: BG042377.D

Acq: 21 Aug 2019 3:38

Instrument :

BNA_G

ClientSampleId :

T6-E1-E2-(0-2)

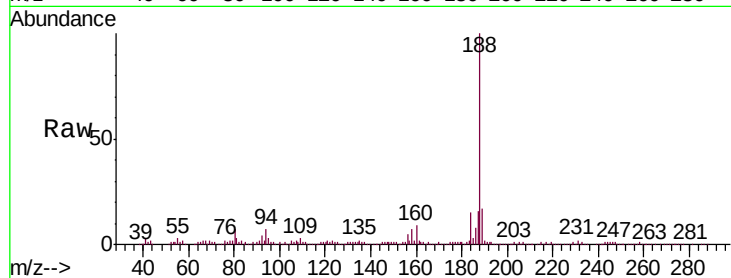
Tot Ion:188 Resp: 355680

Ion Ratio Lower Upper

188 100

94 6.6 4.9 7.3

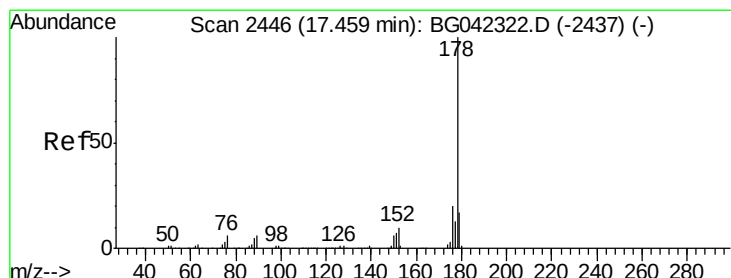
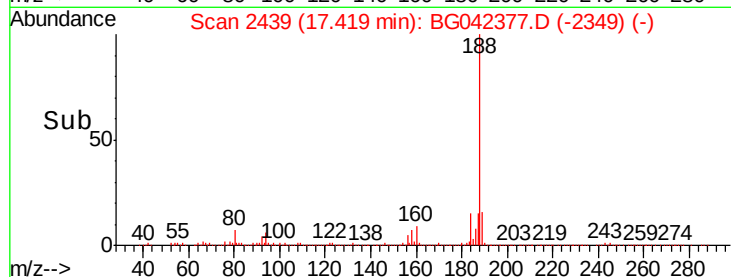
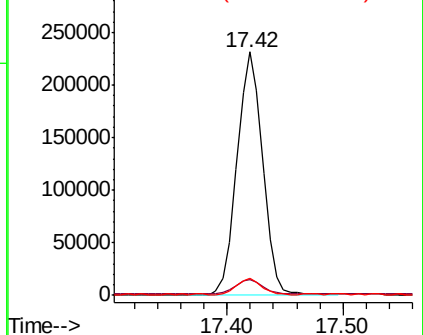
80 6.9 5.4 8.0



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: 3.455 ng

RT: 17.46 min Scan# 2446

Delta R.T. 0.00 min

Lab File: BG042377.D

Acq: 21 Aug 2019 3:38

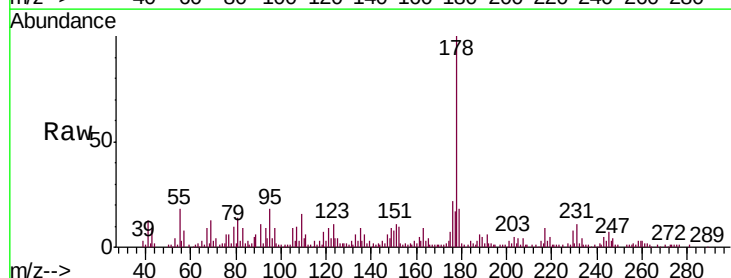
Tgt Ion:178 Resp: 61198

Ion Ratio Lower Upper

178 100

176 21.9 16.2 24.4

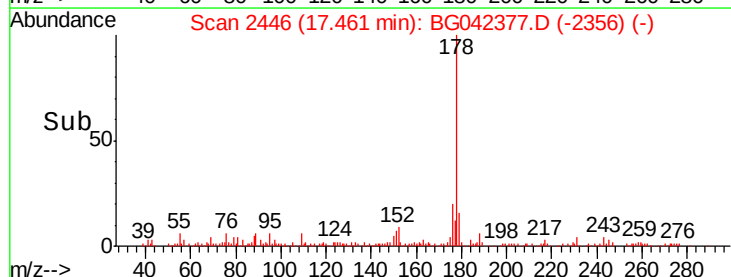
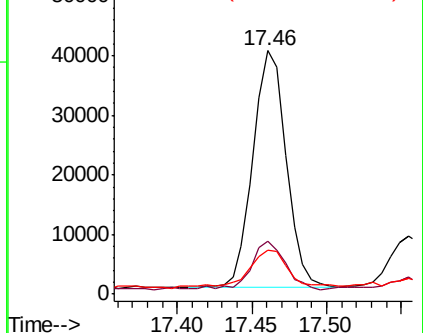
179 17.8 13.7 20.5

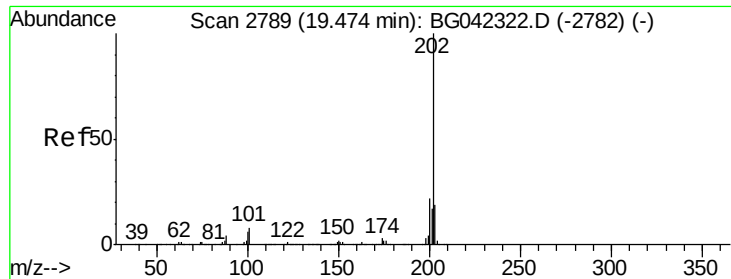


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 6.737 ng

RT: 19.48 min Scan# 2789

Delta R.T. 0.00 min

Lab File: BG042377.D

Acq: 21 Aug 2019 3:38

Instrument :

BNA_G

ClientSampleId :

T6-E1-E2-(0-2)

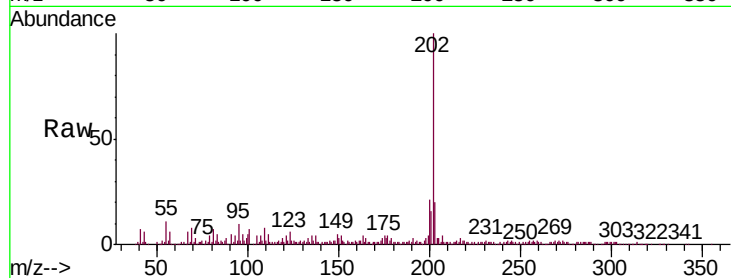
Tot Ion:202 Resp: 143913

Ion Ratio Lower Upper

202 100

101 6.7 0.0 28.0

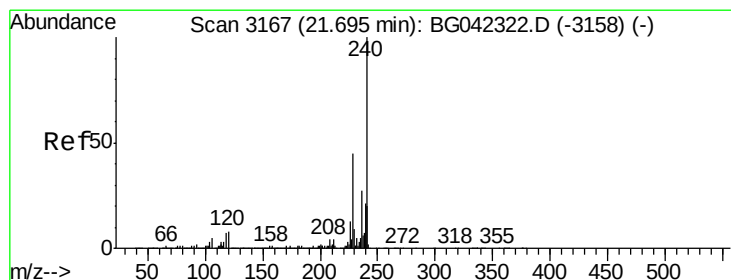
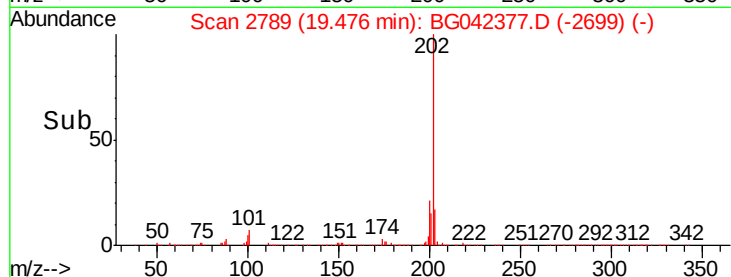
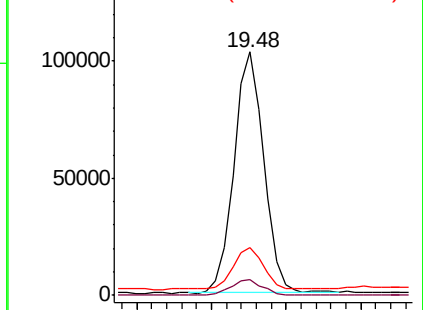
203 19.8 0.0 39.1



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: BG042377.D

Acq: 21 Aug 2019 3:38

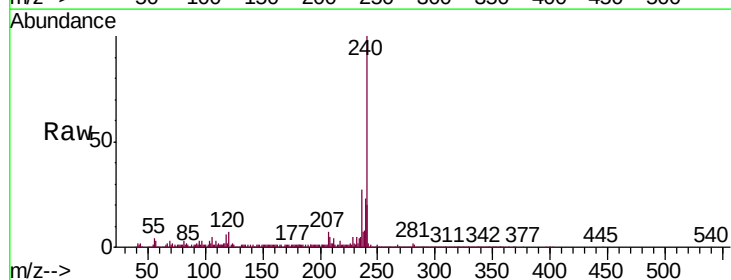
Tgt Ion:240 Resp: 364618

Ion Ratio Lower Upper

240 100

120 7.1 6.0 9.0

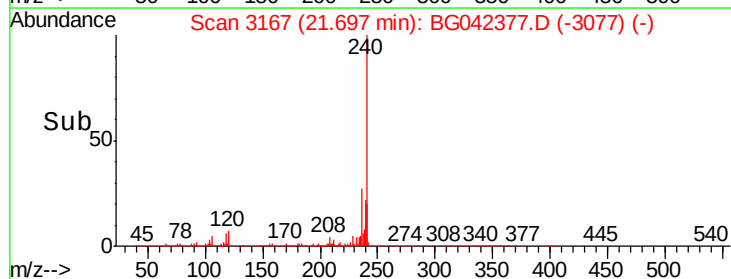
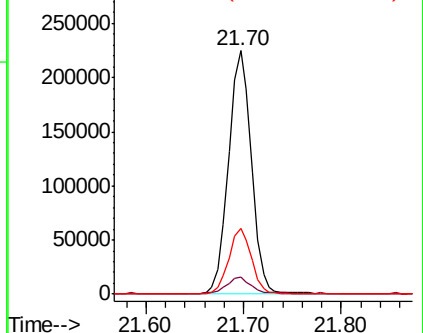
236 27.0 21.6 32.4

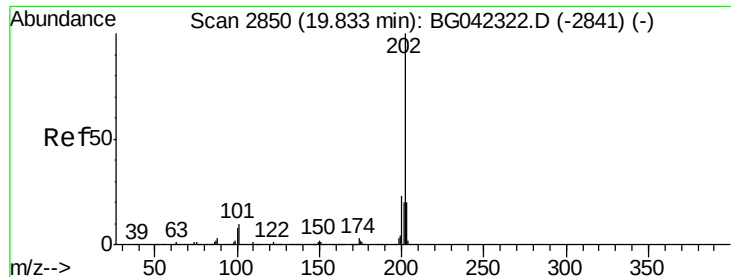


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 5.742 ng

RT: 19.83 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG042377.D

Acq: 21 Aug 2019 3:38

Instrument :

BNA_G

ClientSampleId :

T6-E1-E2-(0-2)

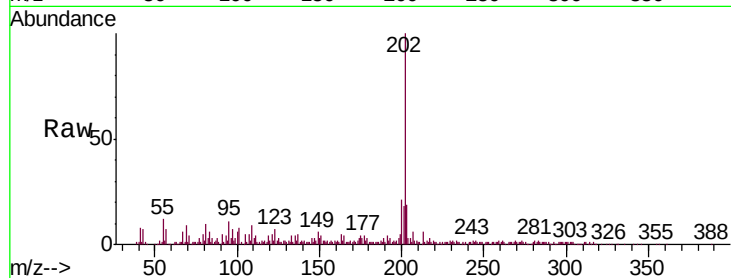
Tot Ion:202 Resp: 128835

Ion Ratio Lower Upper

202 100

200 20.9 18.1 27.1

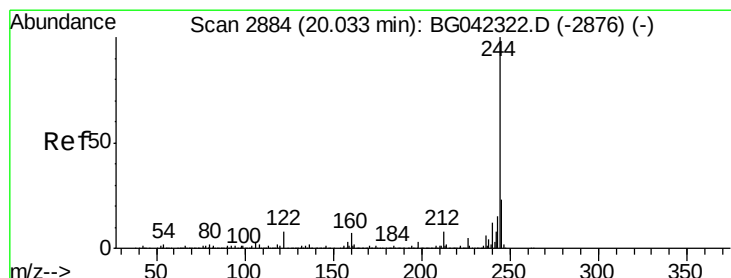
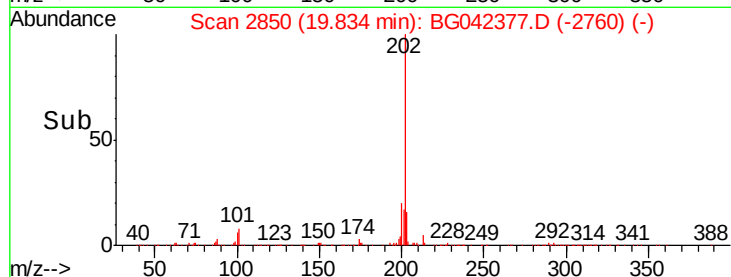
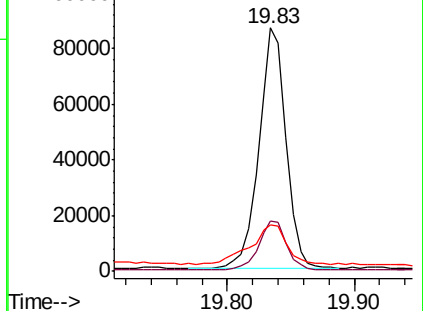
203 19.1 15.8 23.8



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: 52.920 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.00 min

Lab File: BG042377.D

Acq: 21 Aug 2019 3:38

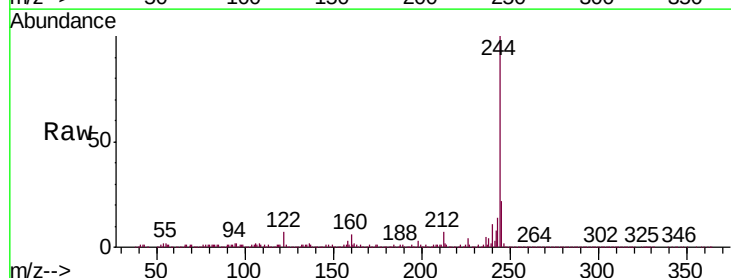
Tgt Ion:244 Resp: 880967

Ion Ratio Lower Upper

244 100

212 7.1 6.4 9.6

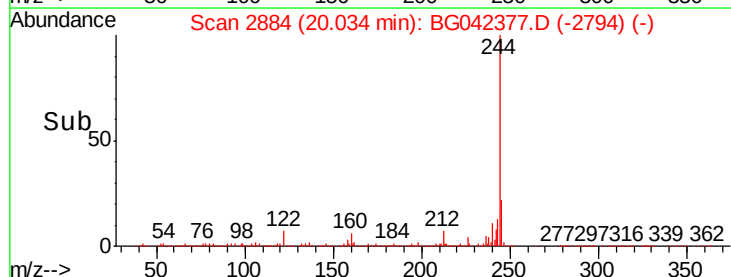
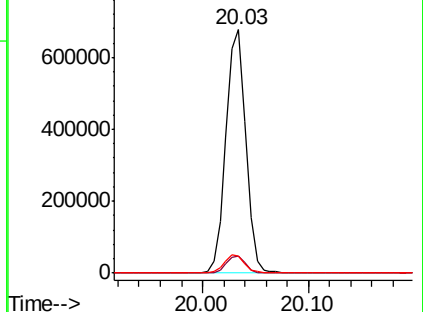
122 7.3 6.6 10.0

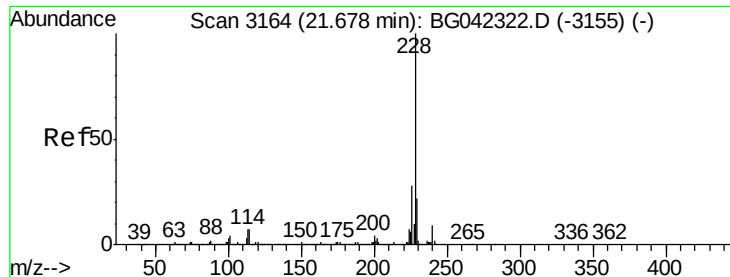


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

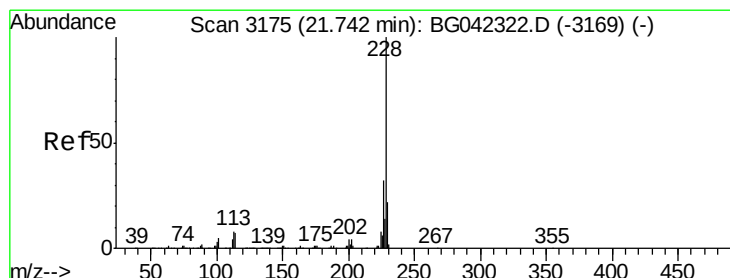
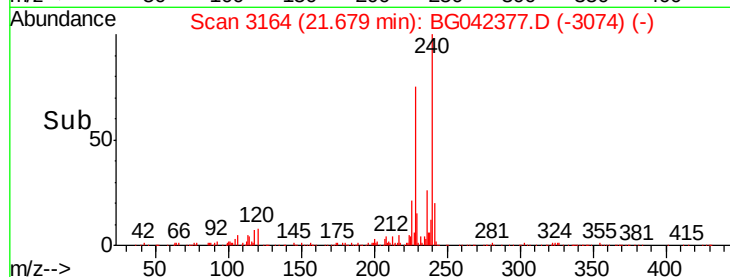
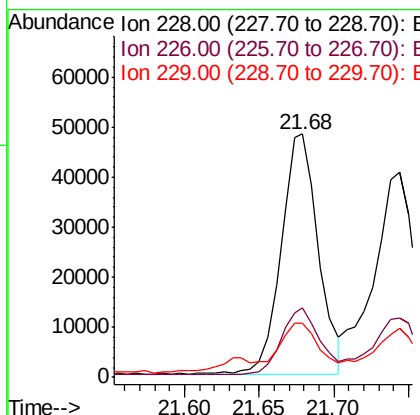
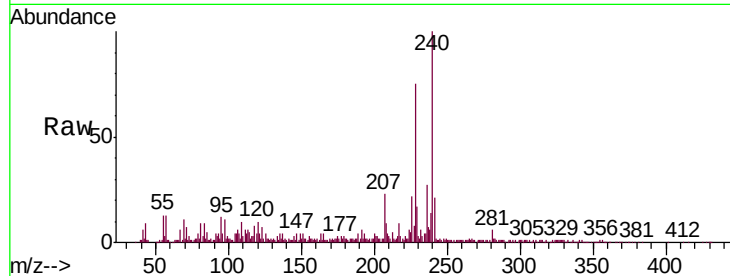




#81
Benzo(a)anthracene
Concen: 3.737 ng
RT: 21.68 min Scan# 3164
Delta R.T. 0.00 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

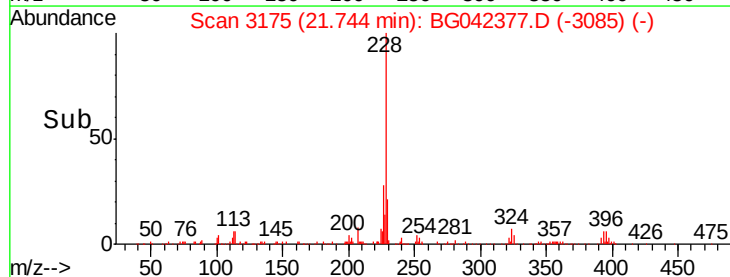
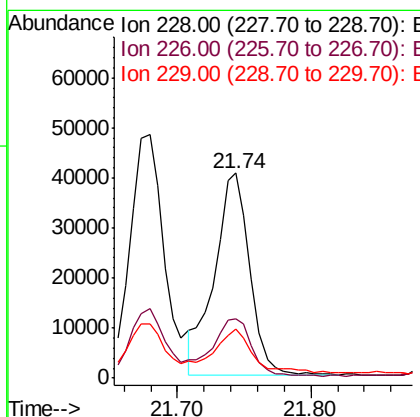
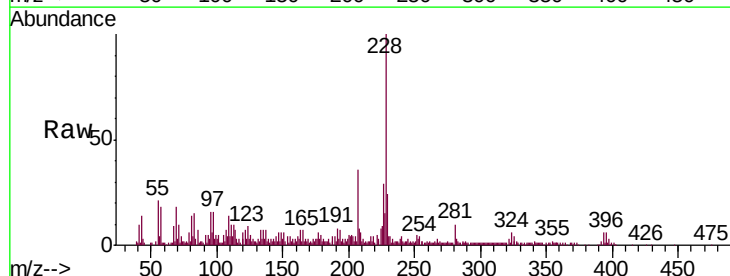
Instrument :
BNA_G
ClientSampleId :
T6-E1-E2-(0-2)

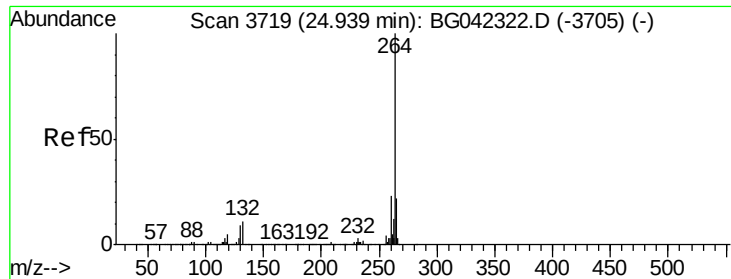
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.7	34.1
229	22.4	17.4	26.2



#83
Chrysene
Concen: 3.501 ng
RT: 21.74 min Scan# 3175
Delta R.T. 0.00 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.6	38.4
229	23.8	17.8	26.6

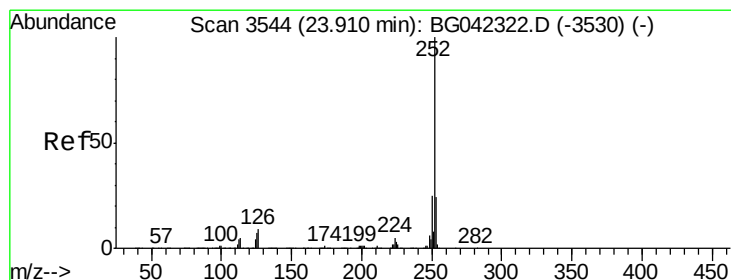
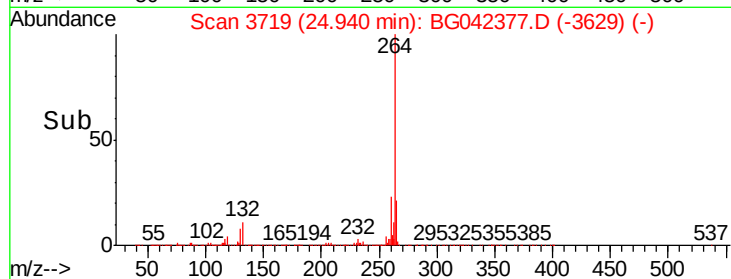
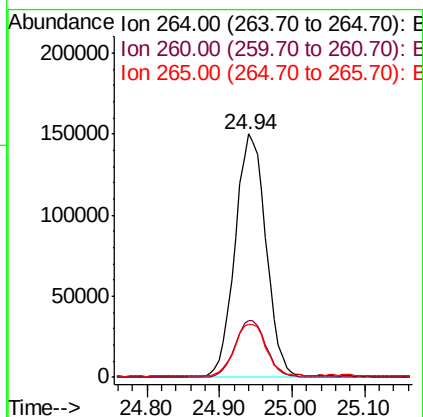
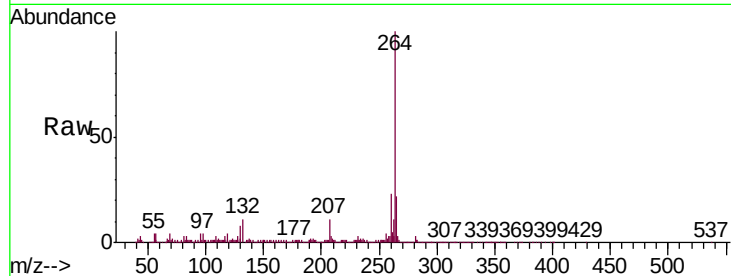




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.94 min Scan# 3719
Delta R.T. 0.00 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

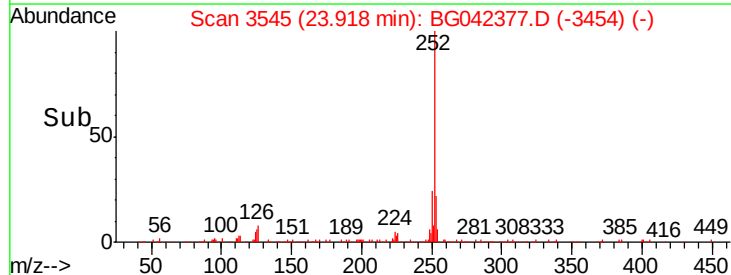
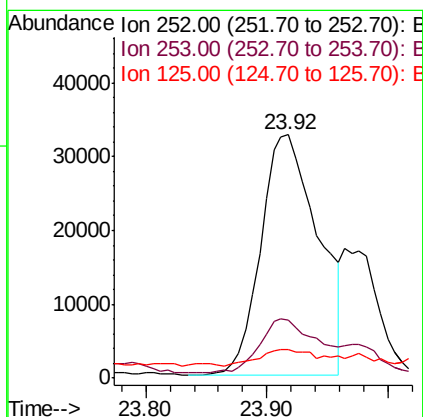
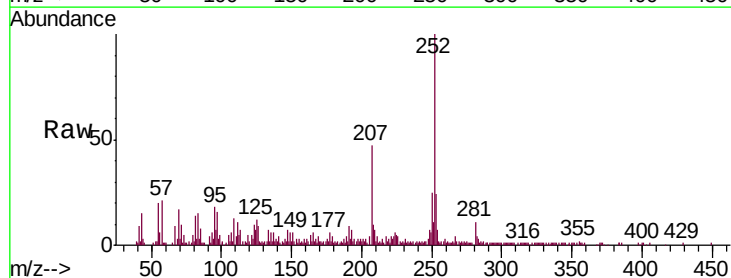
Instrument :
BNA_G
ClientSampleId :
T6-E1-E2-(0-2)

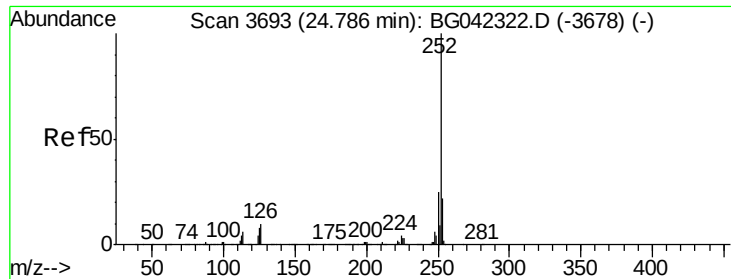
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.4	27.6
265	21.8	17.4	26.0



#88
Benzo(b)fluoranthene
Concen: 4.436 ng
RT: 23.92 min Scan# 3545
Delta R.T. 0.01 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.9	28.3
125	12.0	5.8	8.6#

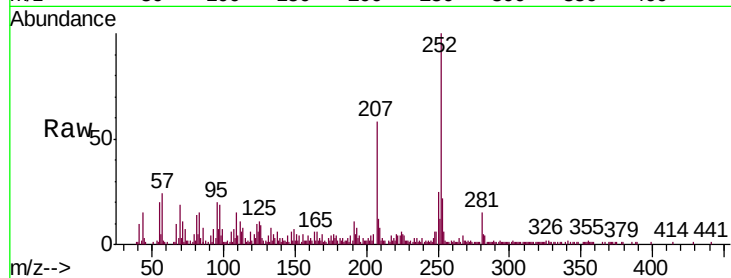




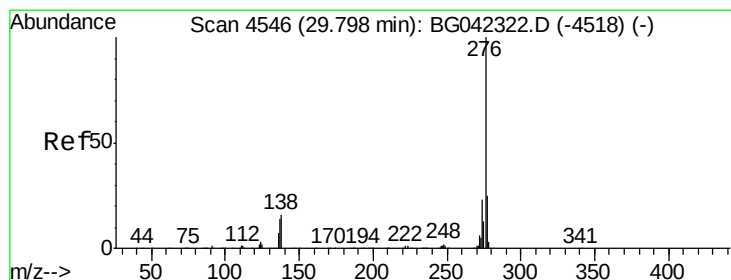
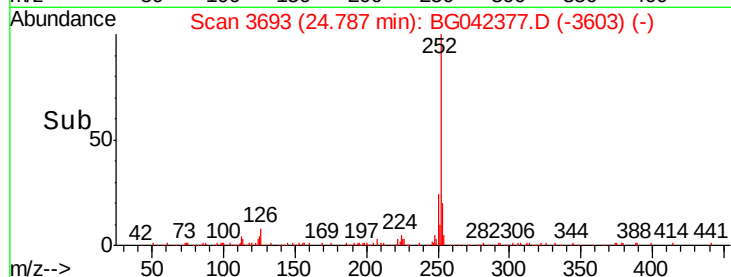
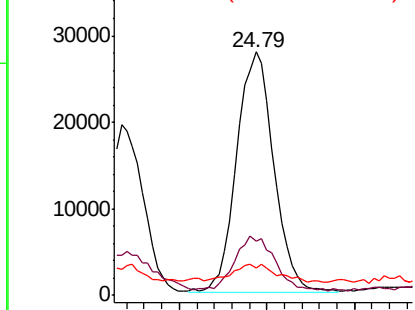
#90
Benzo(a)pyrene
Concen: 3.449 ng
RT: 24.79 min Scan# 3693
Delta R.T. 0.00 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

Instrument :
BNA_G
ClientSampleId :
T6-E1-E2-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	11.1	6.7	10.1

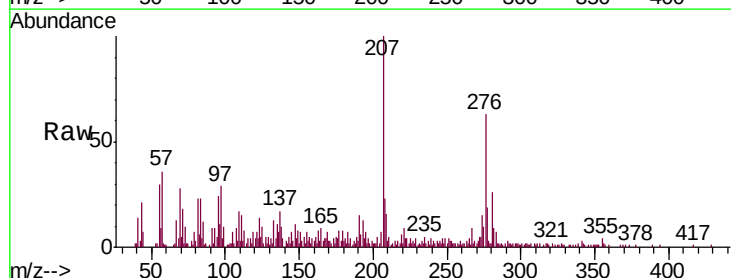


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.235 ng
RT: 29.80 min Scan# 4547
Delta R.T. 0.01 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.9	19.8	29.8
138	15.7	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

