

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
 Data File : BG046262.D
 Acq On : 13 Aug 2020 23:44
 Operator : CG/JU
 Sample : L3629-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFM60

Quant Time: Aug 14 05:23:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 13:50:19 2020
 Response via : Initial Calibration

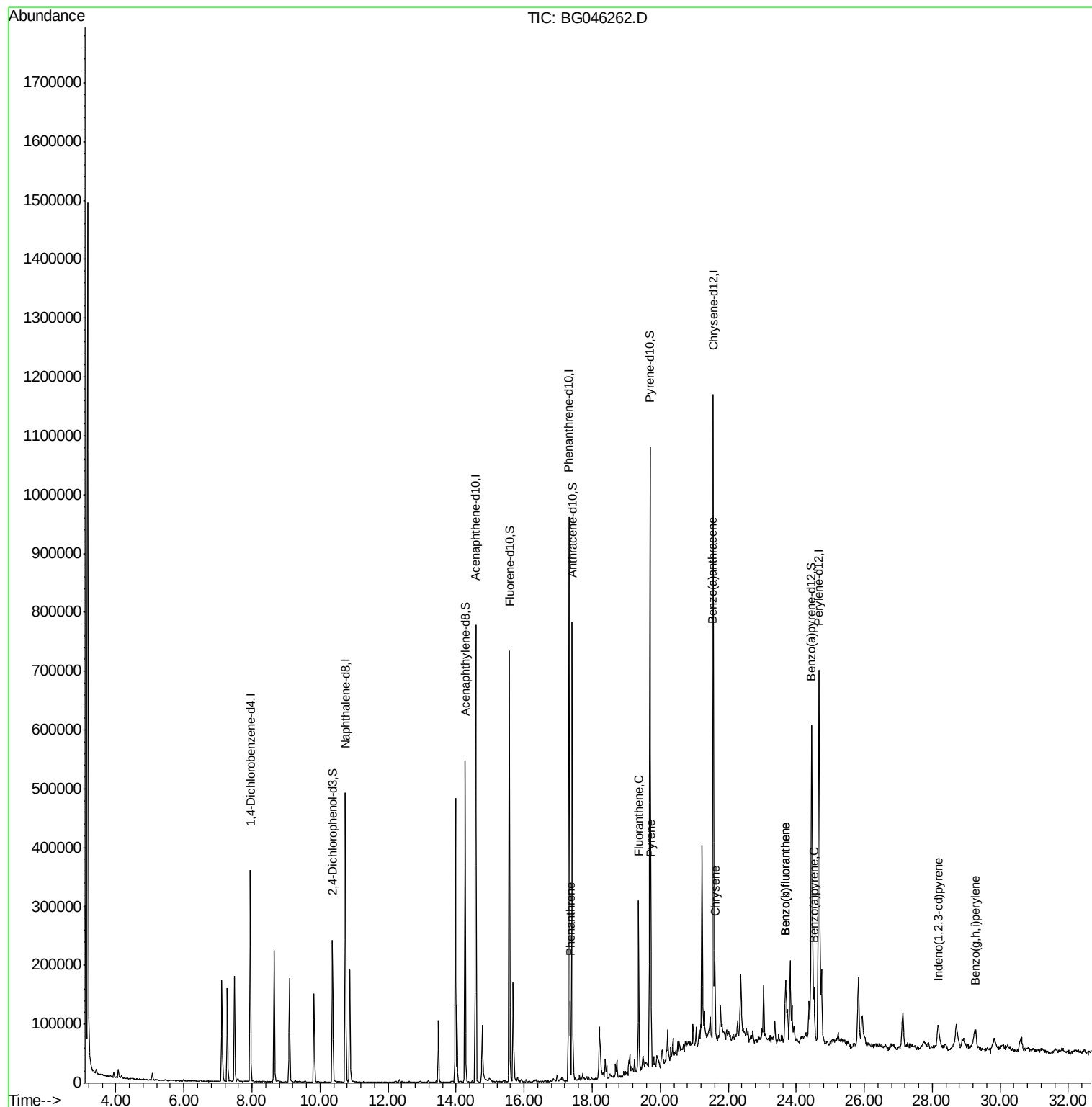
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	111659	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	440967	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	281734	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.32	188	628504	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	649974	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	690171	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.37	165	103679	13.65	ng/ul	0.00
7) Acenaphthylene-d8	14.27	160	416946	16.08	ng/ul	0.00
10) Fluorene-d10	15.57	176	316770	15.94	ng/ul	0.00
15) Anthracene-d10	17.41	188	480269	16.48	ng/ul	0.00
19) Pyrene-d10	19.70	212	551662	16.49	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	603315	16.02	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.35	178	88718	2.566	ng/ul	97
17) Fluoranthene	19.36	202	177486	4.604	ng/ul	99
20) Pyrene	19.73	202	158902	3.724	ng/ul	97
21) Benzo(a)anthracene	21.54	228	86373	2.042	ng/ul	98
22) Chrysene	21.61	228	96254	2.354	ng/ul	99
24) Benzo(b)fluoranthene	23.69	252	142773	3.128	ng/ul	96
25) Benzo(k)fluoranthene	23.69	252	142773	3.154	ng/ul	98
27) Benzo(a)pyrene	24.52	252	89916	2.146	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.16	276	67658	1.290	ng/ul	95
30) Benzo(g,h,i)perylene	29.26	276	61632	1.404	ng/ul	97

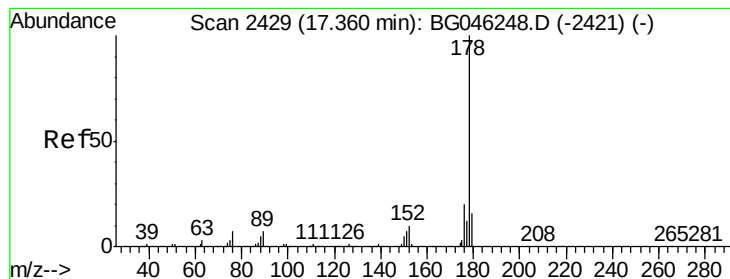
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#14

Phenanthrene

Concen: 2.566 ng/ul

RT: 17.35 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BG046262.D

Acq: 13 Aug 2020 23:44

Instrument :

BNA_G

ClientSampleId :

BFM60

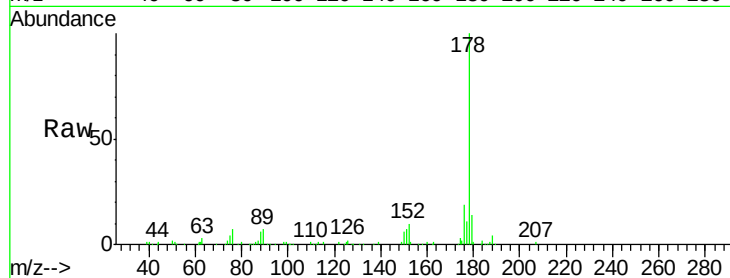
Tot Ion:178 Resp: 88718

Ion Ratio Lower Upper

178 100

179 13.9 12.8 19.2

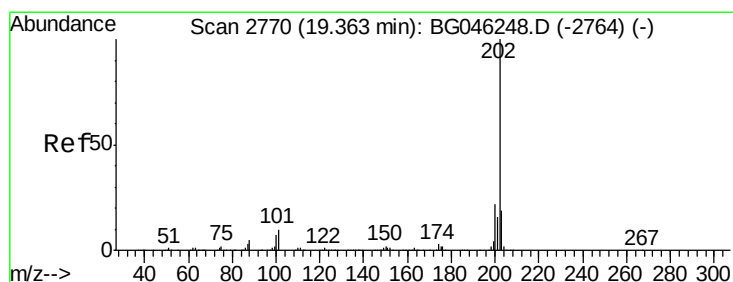
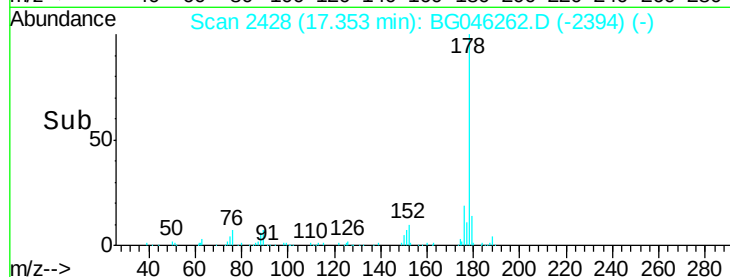
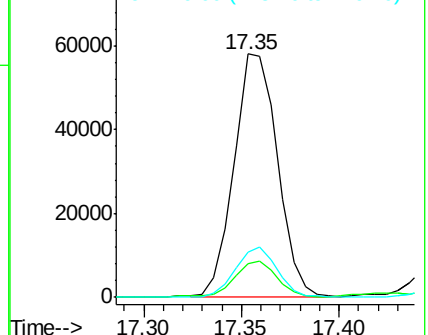
176 18.8 15.8 23.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#17

Fluoranthene

Concen: 4.604 ng/ul

RT: 19.36 min Scan# 2770

Delta R.T. -0.00 min

Lab File: BG046262.D

Acq: 13 Aug 2020 23:44

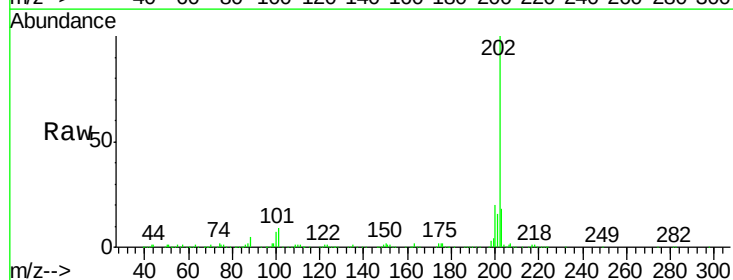
Tgt Ion:202 Resp: 177486

Ion Ratio Lower Upper

202 100

101 9.4 7.8 11.6

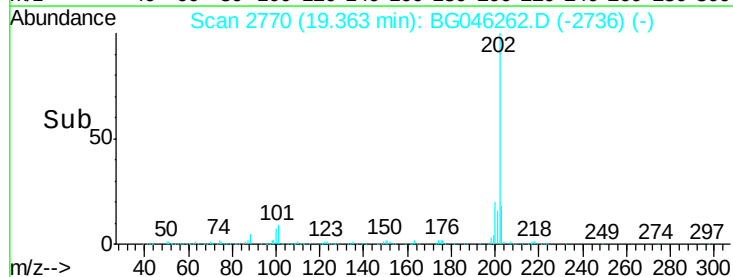
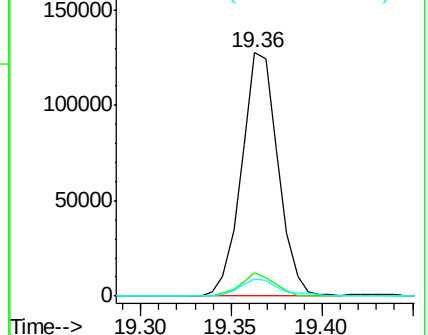
100 7.0 5.9 8.9

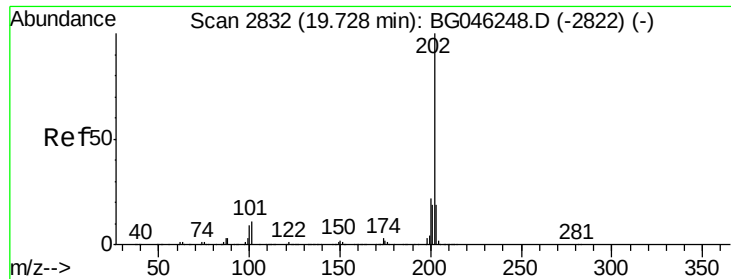


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

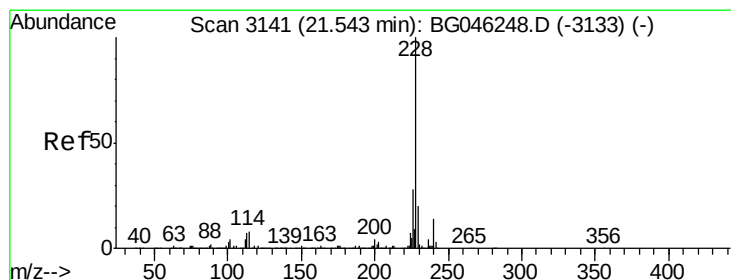
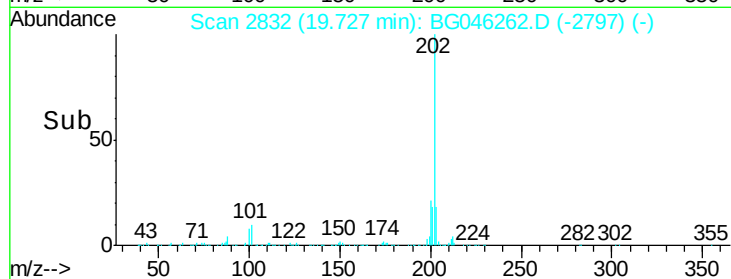
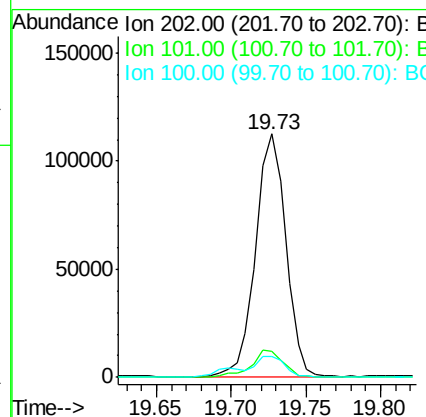
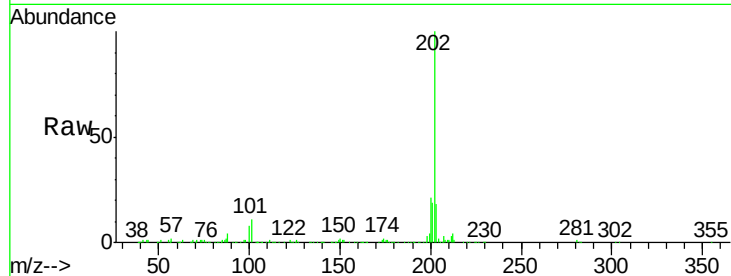




#20
Pvrene
Concen: 3.724 ng/ul
RT: 19.73 min Scan# 2832
Delta R.T. 0.00 min
Lab File: BG046262.D
Acq: 13 Aug 2020 23:44

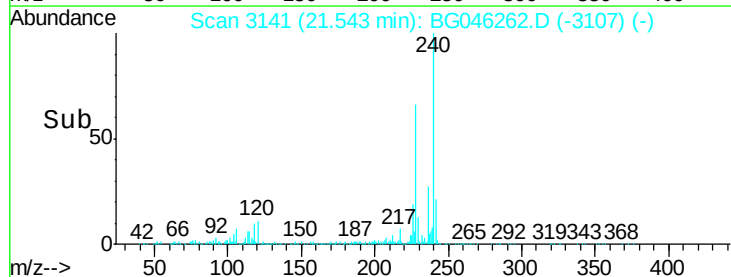
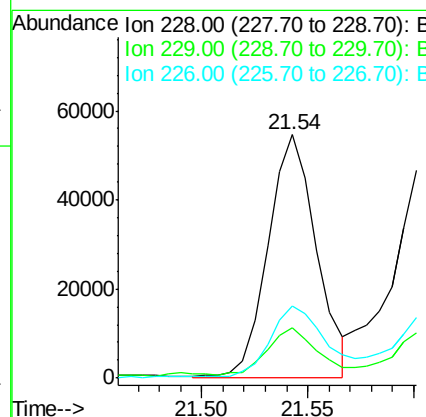
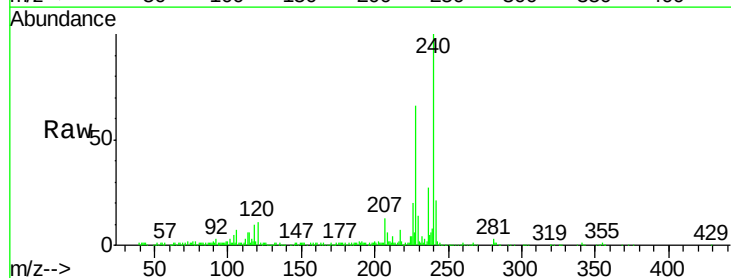
Instrument :
BNA_G
ClientSampleId :
BFM60

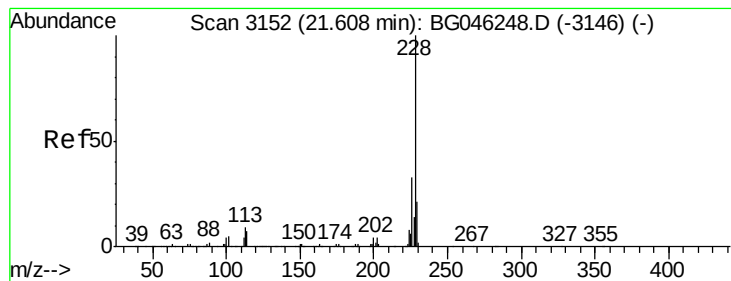
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.9	13.3
100	8.5	7.9	11.9



#21
Benzo(a)anthracene
Concen: 2.042 ng/ul
RT: 21.54 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG046262.D
Acq: 13 Aug 2020 23:44

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.9	16.6	25.0
226	29.7	22.6	33.8





#22

Chrysene

Concen: 2.354 ng/ul

RT: 21.61 min Scan# 3152

Delta R.T. 0.00 min

Lab File: BG046262.D

Acq: 13 Aug 2020 23:44

Instrument :

BNA_G

ClientSampleId :

BFM60

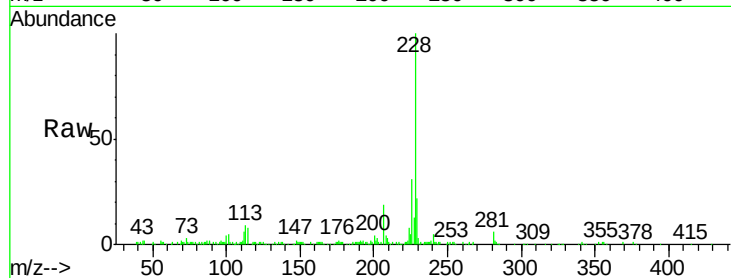
Tot Ion:228 Resp: 96254

Ion Ratio Lower Upper

228 100

226 31.1 25.5 38.3

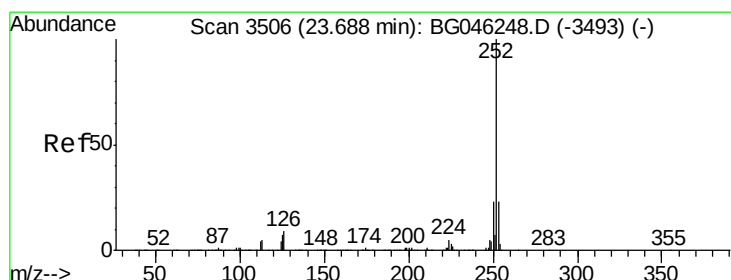
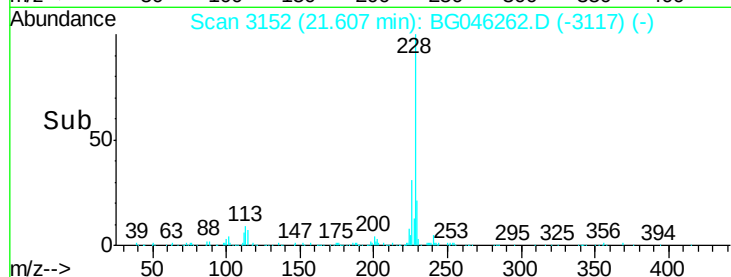
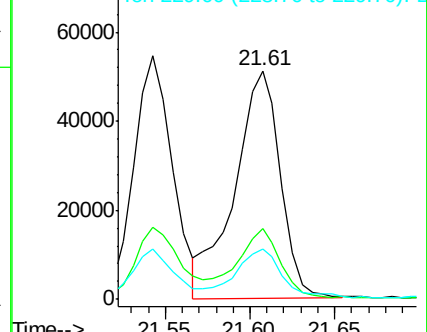
229 21.8 17.0 25.4



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



#24

Benzo(b)fluoranthene

Concen: 3.128 ng/ul

RT: 23.69 min Scan# 3506

Delta R.T. 0.00 min

Lab File: BG046262.D

Acq: 13 Aug 2020 23:44

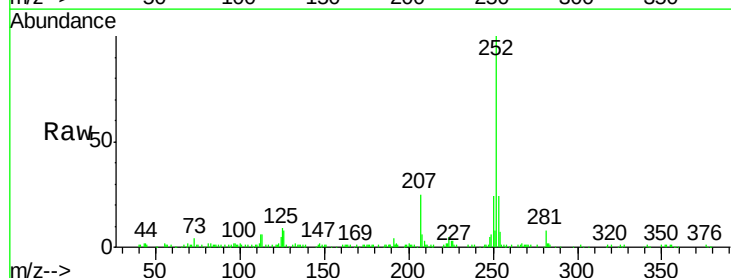
Tgt Ion:252 Resp: 142773

Ion Ratio Lower Upper

252 100

253 24.2 17.8 26.6

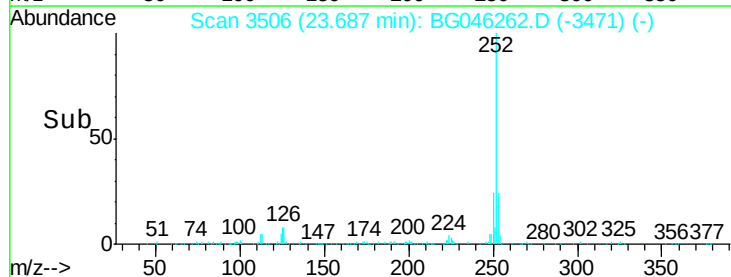
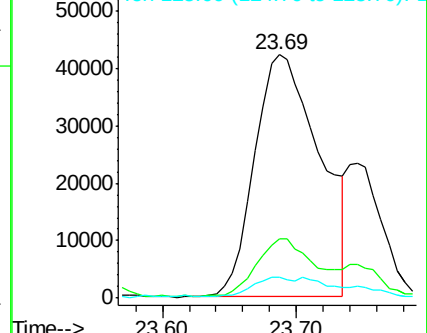
125 8.7 6.4 9.6

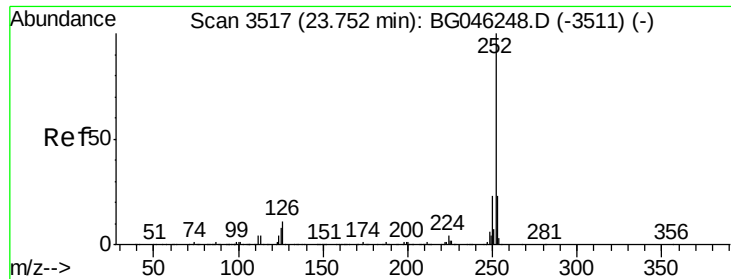


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

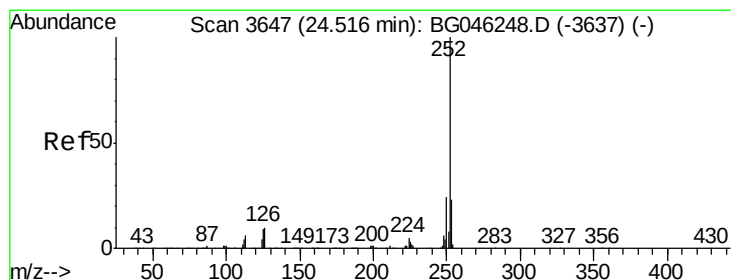
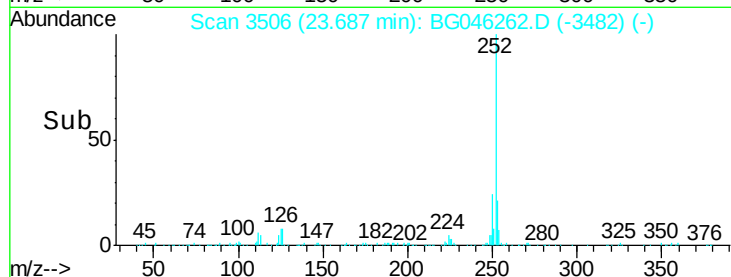
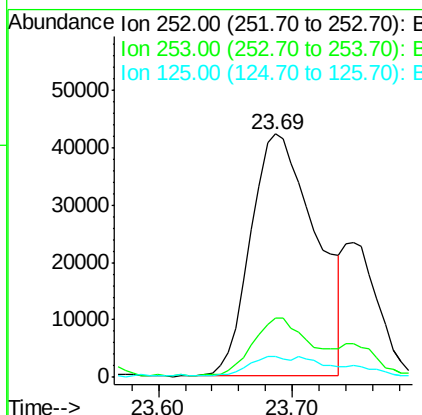
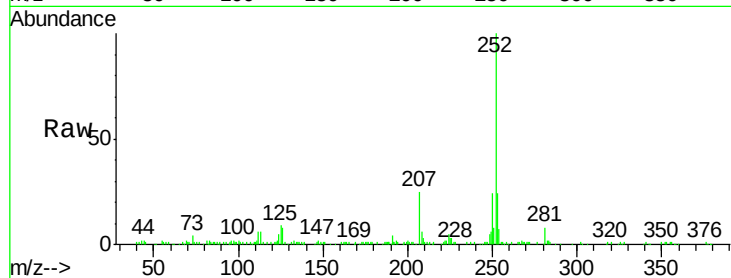




#25
Benzo(k)fluoranthene
Concen: 3.154 ng/ul
RT: 23.69 min Scan# 3506
Delta R.T. -0.06 min
Lab File: BG046262.D
Acq: 13 Aug 2020 23:44

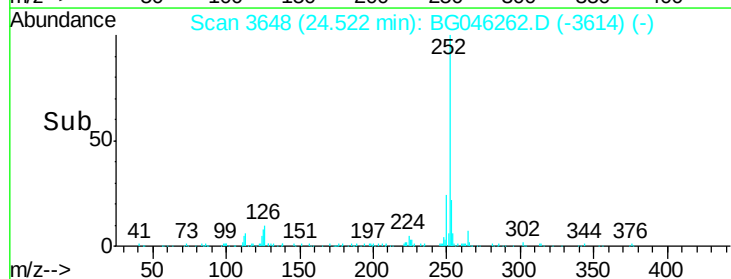
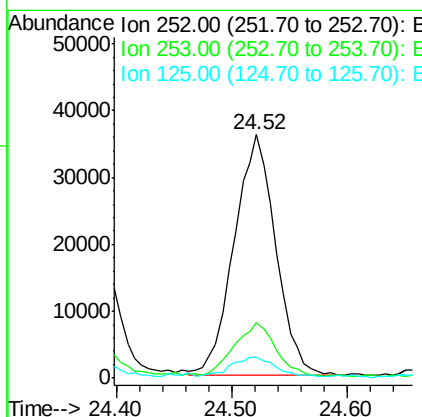
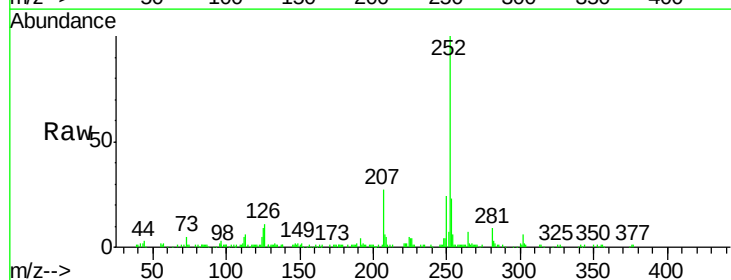
Instrument :
BNA_G
ClientSampled :
BFM60

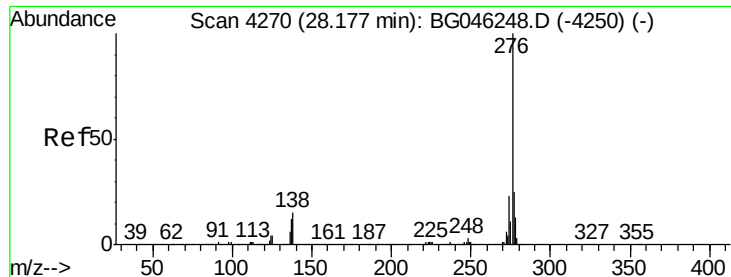
Tot Ion:252 Resp: 142773
Ion Ratio Lower Upper
252 100
253 24.2 18.5 27.7
125 8.7 6.2 9.2



#27
Benzo(a)pyrene
Concen: 2.146 ng/ul
RT: 24.52 min Scan# 3648
Delta R.T. -0.00 min
Lab File: BG046262.D
Acq: 13 Aug 2020 23:44

Tgt Ion:252 Resp: 89916
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 8.7 7.1 10.7





#28

Indeno(1,2,3-cd)pyrene

Concen: 1.290 ng/ul

RT: 28.16 min Scan# 4268

Delta R.T. -0.01 min

Lab File: BG046262.D

Acq: 13 Aug 2020 23:44

Instrument :

BNA_G

ClientSampleId :

BFM60

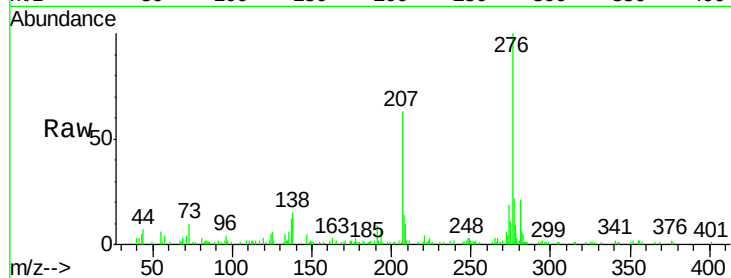
Tot Ion:276 Resp: 67658

Ion Ratio Lower Upper

276 100

138 14.7 13.2 19.8

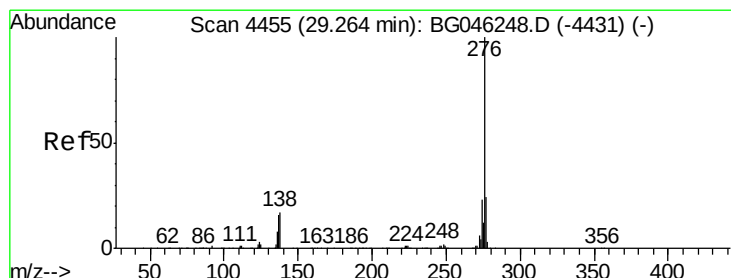
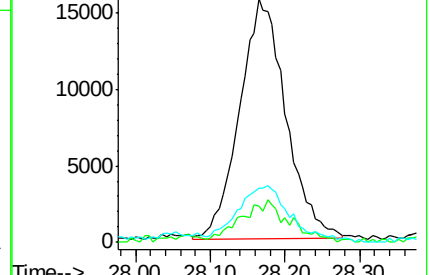
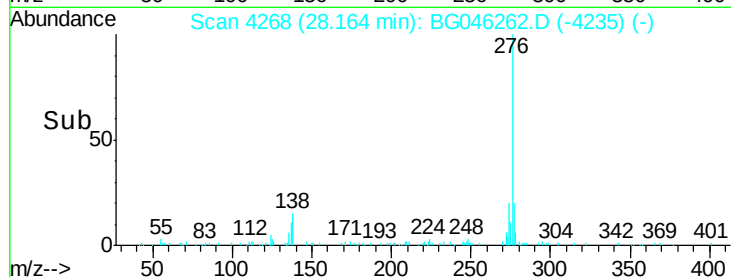
277 22.1 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#30

Benzo(g,h,i)perylene

Concen: 1.404 ng/ul

RT: 29.26 min Scan# 4454

Delta R.T. -0.01 min

Lab File: BG046262.D

Acq: 13 Aug 2020 23:44

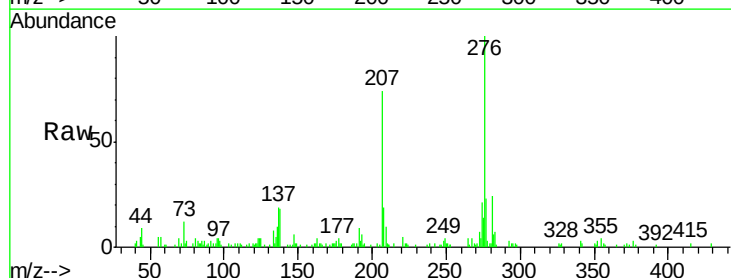
Tgt Ion:276 Resp: 61632

Ion Ratio Lower Upper

276 100

138 17.5 12.9 19.3

277 23.1 19.4 29.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

