

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
 Data File : BG046257.D
 Acq On : 13 Aug 2020 20:22
 Operator : CG/JU
 Sample : L3629-17
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFM64

Quant Time: Aug 14 05:22:11 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

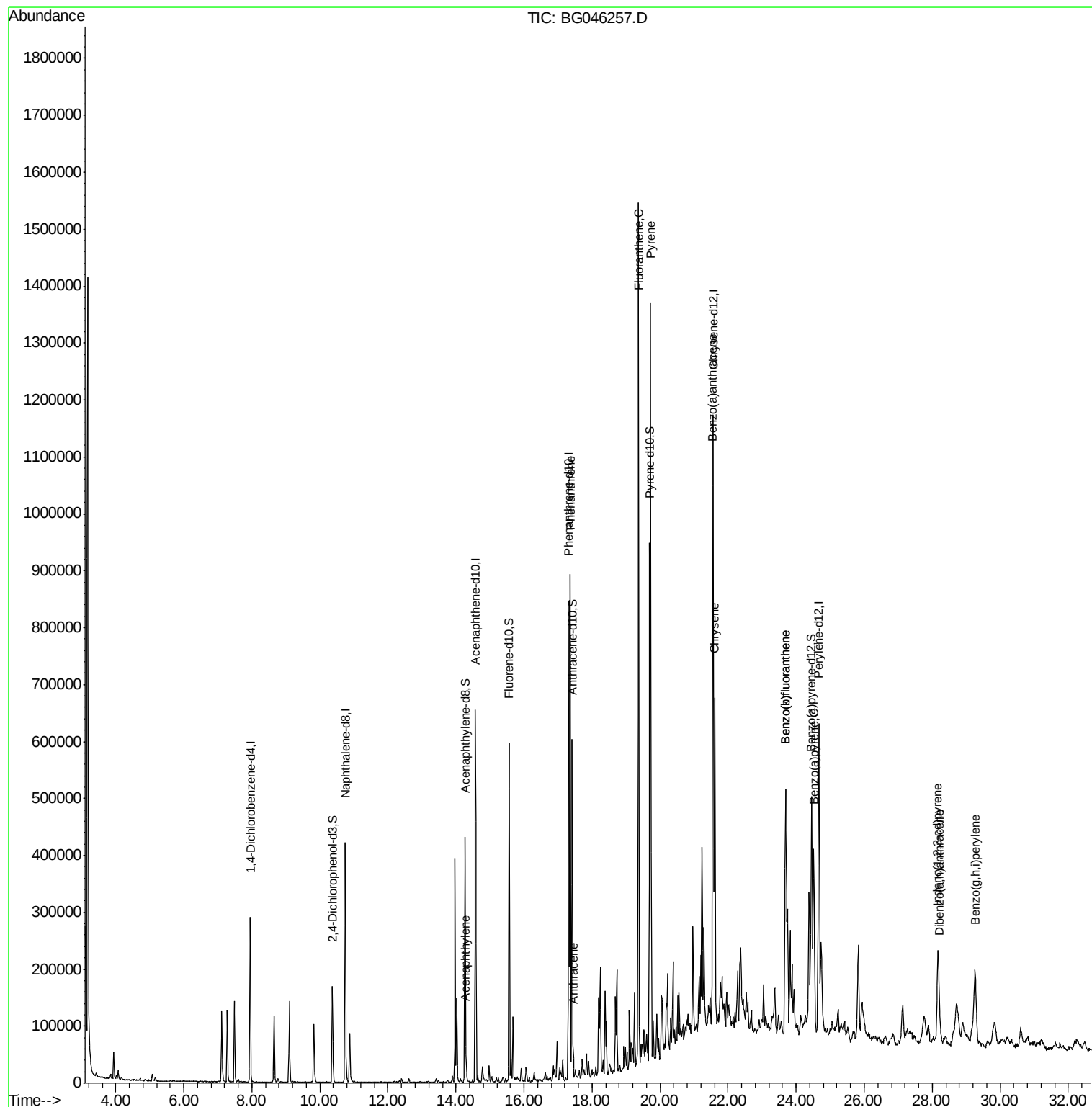
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	90677	20.00	ng/ul	0.00
2) Naphthalene-d8	10.75	136	370124	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	240216	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.32	188	532786	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	532756	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	555781	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	72888	11.44	ng/ul	0.00
7) Acenaphthylene-d8	14.27	160	323496	14.63	ng/ul	0.00
10) Fluorene-d10	15.56	176	247398	14.60	ng/ul	0.00
15) Anthracene-d10	17.42	188	356773	14.45	ng/ul	0.00
19) Pyrene-d10	19.69	212	420801	15.35	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	445215	14.68	ng/ul	0.00
Target Compounds						Qvalue
8) Acenaphthylene	14.30	152	34444	1.532	ng/ul	98
14) Phenanthrene	17.36	178	558116	19.042	ng/ul	100
16) Anthracene	17.45	178	32994	1.116	ng/ul	98
17) Fluoranthene	19.37	202	936356	28.650	ng/ul	99
20) Pyrene	19.73	202	859437	24.576	ng/ul	99
21) Benzo(a)anthracene	21.55	228	344057	9.926	ng/ul	95
22) Chrysene	21.60	228	421624	12.583	ng/ul	99
24) Benzo(b)fluoranthene	23.69	252	564980	15.372	ng/ul	99
25) Benzo(k)fluoranthene	23.69	252	564980	15.497	ng/ul	99
27) Benzo(a)pyrene	24.52	252	354169	10.496	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.17	276	271941	6.437	ng/ul	99
29) Dibenzo(a,h)anthracene	28.20	278	40033	1.169	ng/ul	98
30) Benzo(a,h,i)perylene	29.26	276	249445	7.055	ng/ul	98

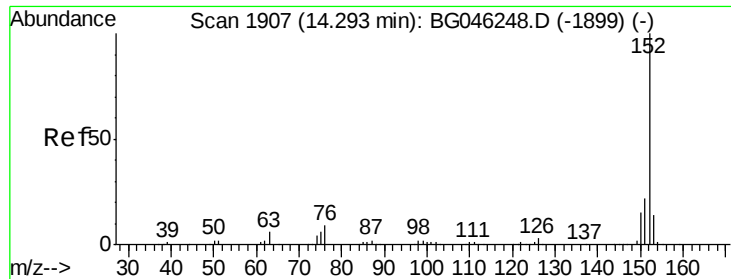
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 13 13:50:19 2020
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#8

Acenaphthylene

Concen: 1.532 ng/ul

RT: 14.30 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BG046257.D

Acq: 13 Aug 2020 20:22

Instrument :

BNA_G

ClientSampleId :

BFM64

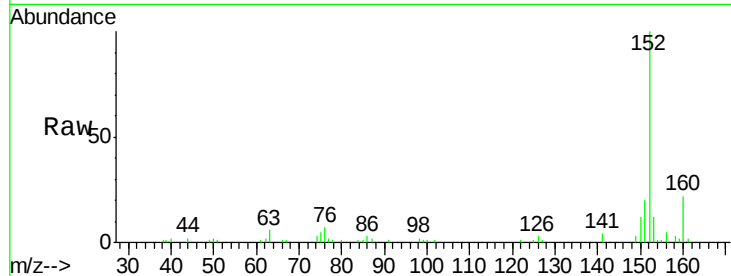
Tot Ion:152 Resp: 34444

Ion Ratio Lower Upper

152 100

151 20.4 16.5 24.7

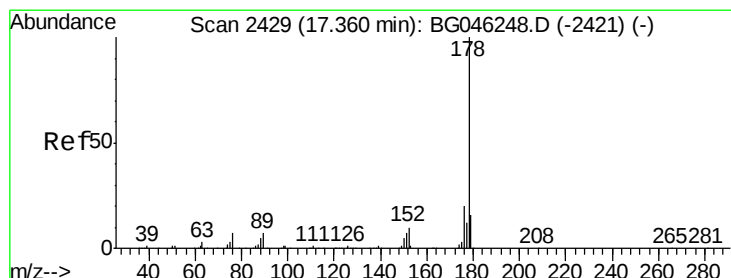
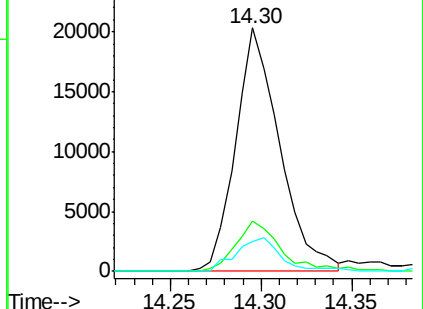
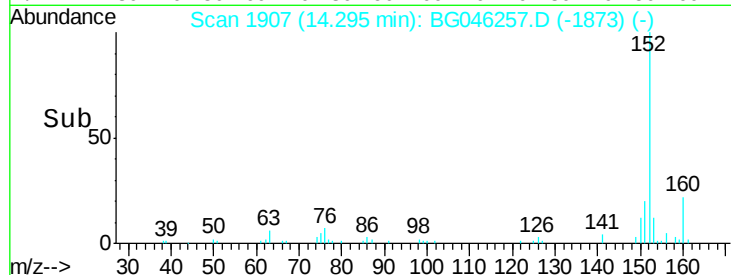
153 12.3 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#14

Phenanthrene

Concen: 19.042 ng/ul

RT: 17.36 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BG046257.D

Acq: 13 Aug 2020 20:22

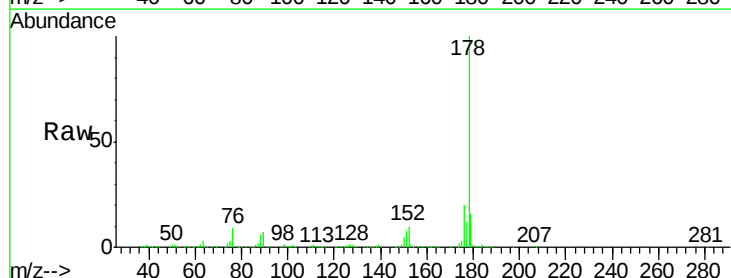
Tgt Ion:178 Resp: 558116

Ion Ratio Lower Upper

178 100

179 15.7 12.8 19.2

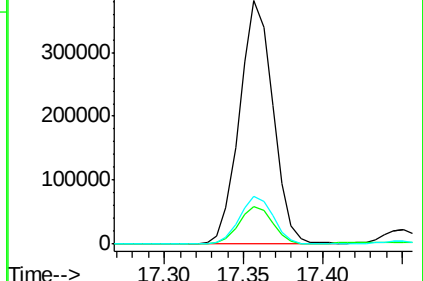
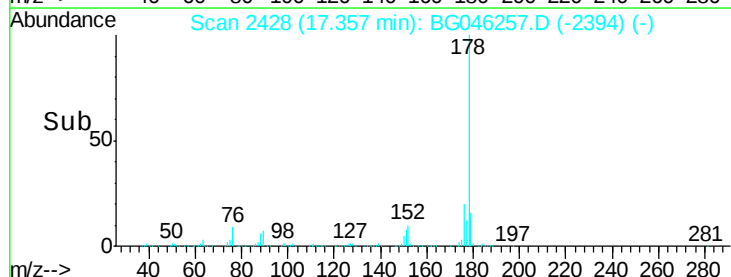
176 19.7 15.8 23.8

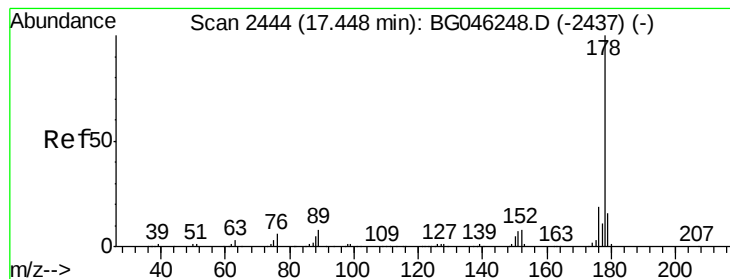


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Anthracene

Concen: 1.116 ng/ul

RT: 17.45 min Scan# 2444

Delta R.T. 0.00 min

Lab File: BG046257.D

Acq: 13 Aug 2020 20:22

Instrument :

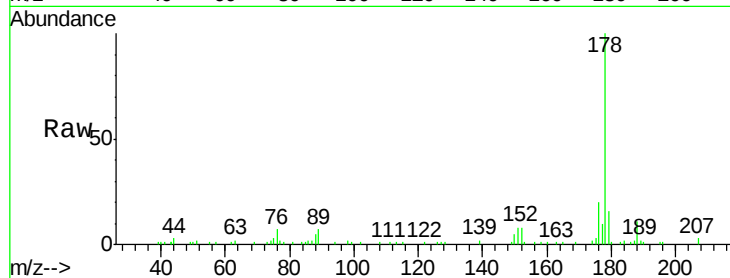
BNA_G

ClientSampled :

BFM64

Tot Ion:178 Resp: 32994

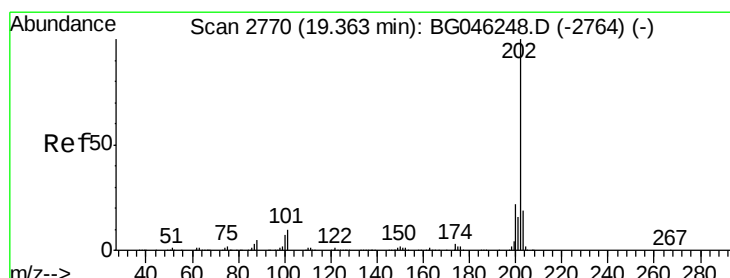
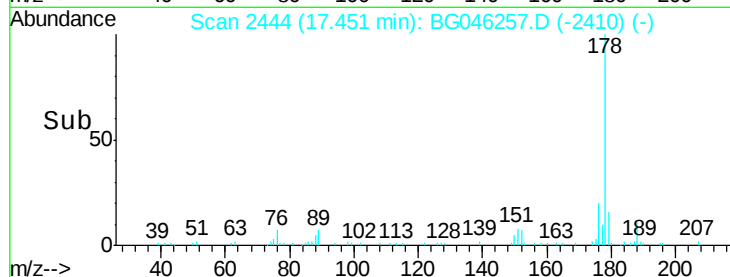
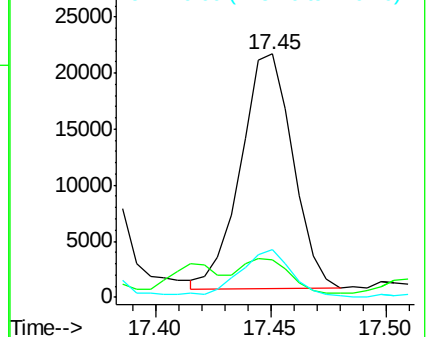
Ion	Ratio	Lower	Upper
178	100		
179	15.5	13.2	19.8
176	19.5	15.2	22.8



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: 28.650 ng/ul

RT: 19.37 min Scan# 2770

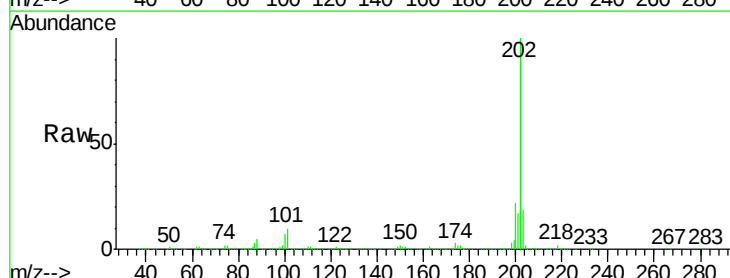
Delta R.T. 0.00 min

Lab File: BG046257.D

Acq: 13 Aug 2020 20:22

Tgt Ion:202 Resp: 936356

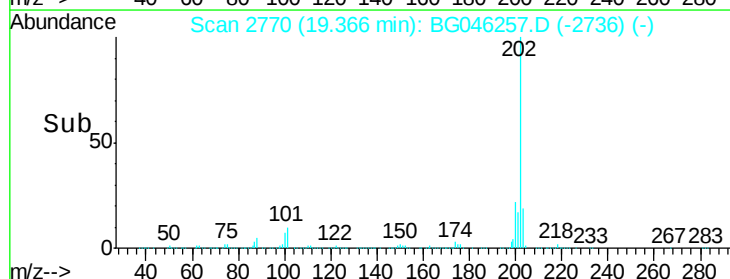
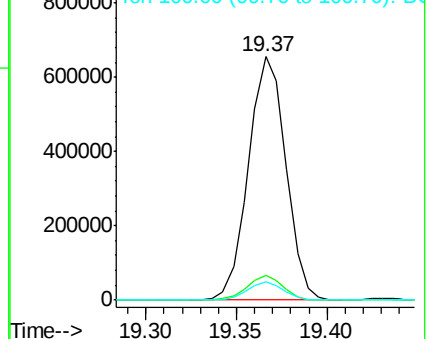
Ion	Ratio	Lower	Upper
202	100		
101	10.4	7.8	11.6
100	7.5	5.9	8.9

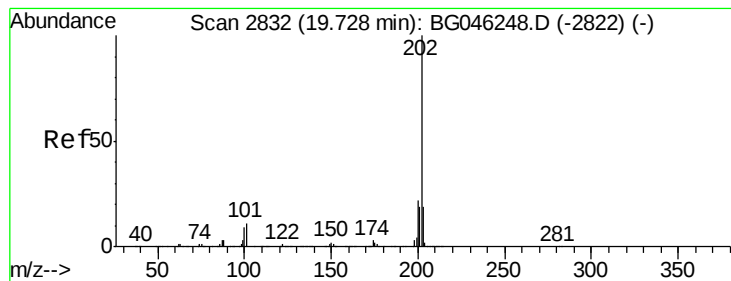


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Pvrene

Concen: 24.576 ng/ul

RT: 19.73 min Scan# 2832

Delta R.T. 0.01 min

Lab File: BG046257.D

Acq: 13 Aug 2020 20:22

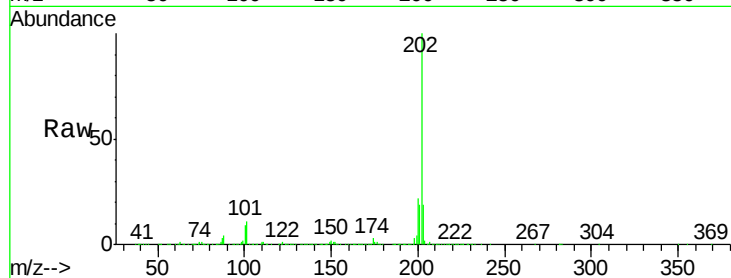
Instrument :

BNA_G

ClientSampleId :

BFM64

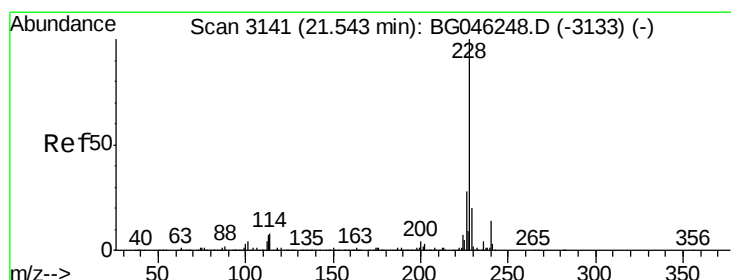
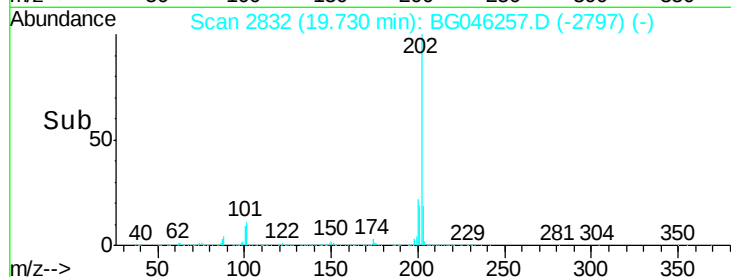
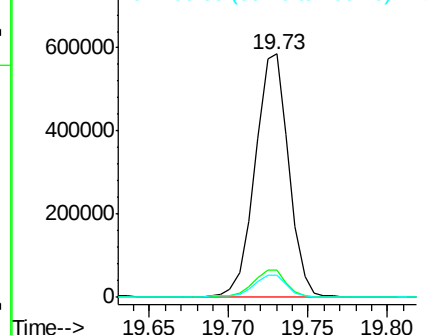
Tot Ion:	202	Resp:	859437
Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.9	13.3
100	8.9	7.9	11.9



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



#21

Benzo(a)anthracene

Concen: 9.926 ng/ul

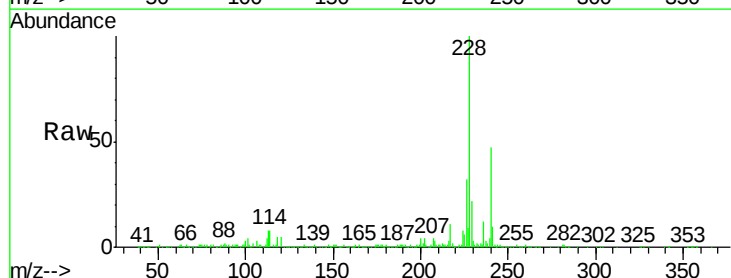
RT: 21.55 min Scan# 3141

Delta R.T. 0.00 min

Lab File: BG046257.D

Acq: 13 Aug 2020 20:22

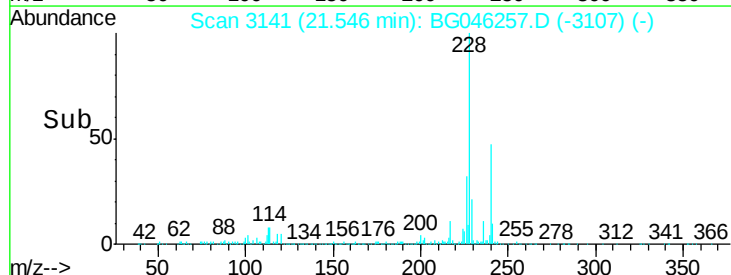
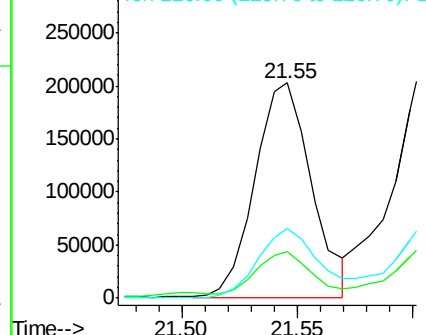
Tgt Ion:	228	Resp:	344057
Ion	Ratio	Lower	Upper
228	100		
229	21.7	16.6	25.0
226	32.0	22.6	33.8

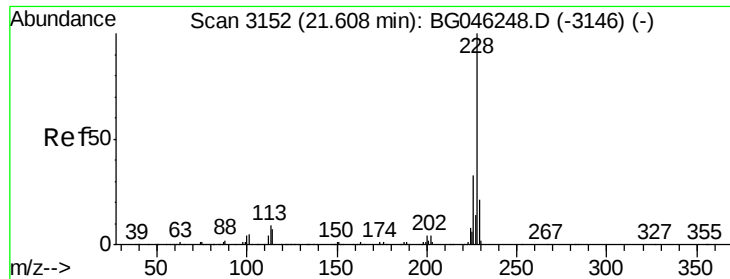


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#22

Chrysene

Concen: 12.583 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BG046257.D

Acq: 13 Aug 2020 20:22

Instrument :

BNA_G

ClientSampleId :

BFM64

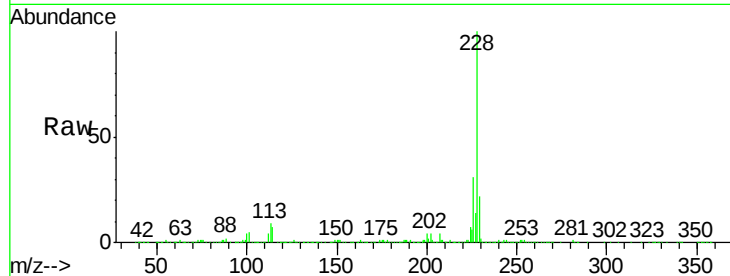
Tot Ion:228 Resp: 421624

Ion Ratio Lower Upper

228 100

226 31.5 25.5 38.3

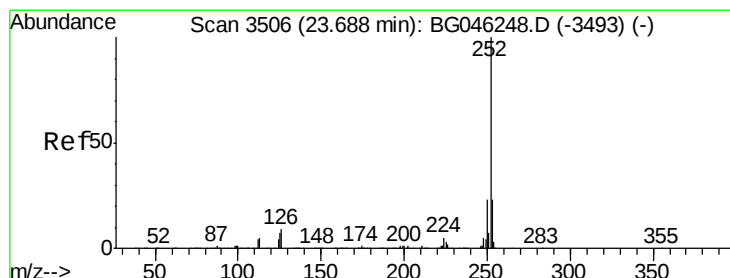
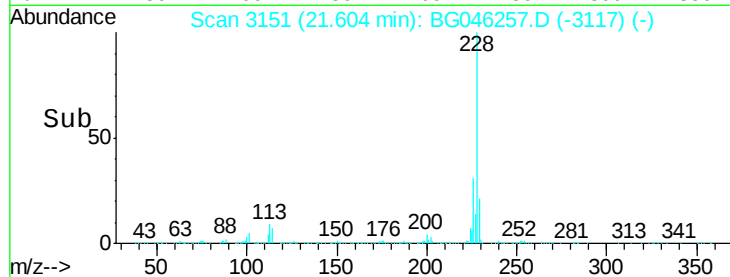
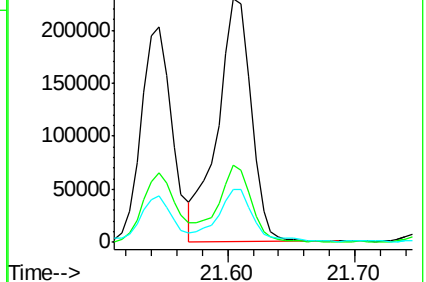
229 21.7 17.0 25.4



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: 15.372 ng/ul

RT: 23.69 min Scan# 3506

Delta R.T. 0.01 min

Lab File: BG046257.D

Acq: 13 Aug 2020 20:22

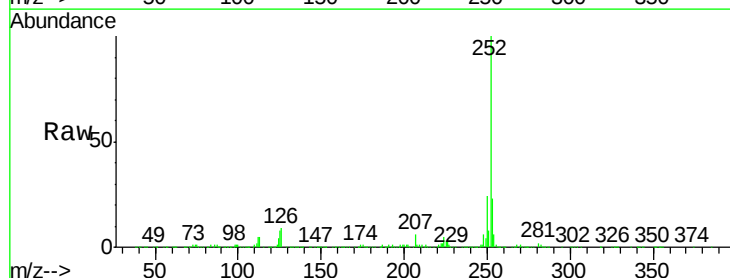
Tgt Ion:252 Resp: 564980

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

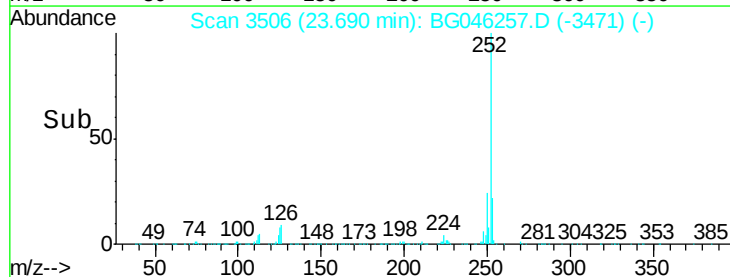
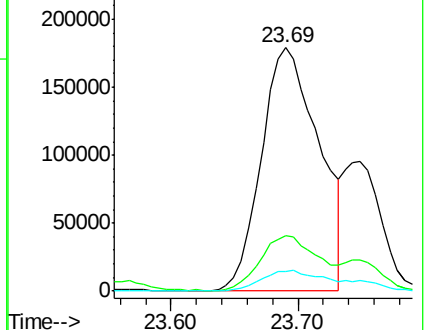
125 7.9 6.4 9.6

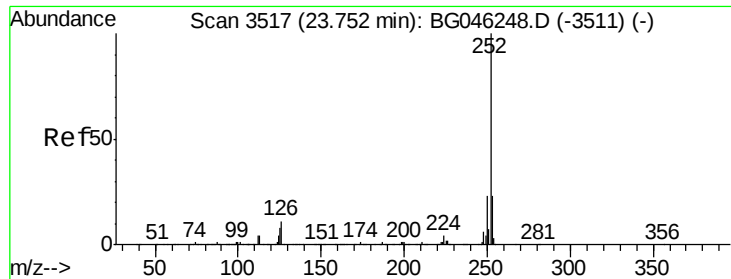


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

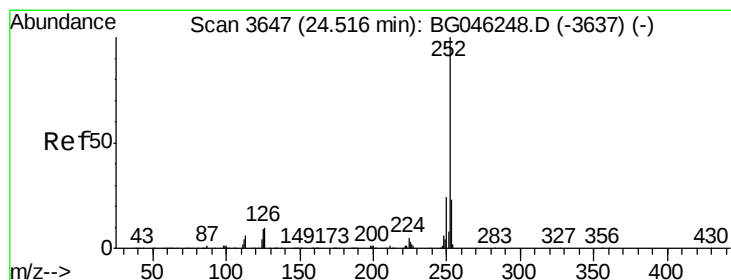
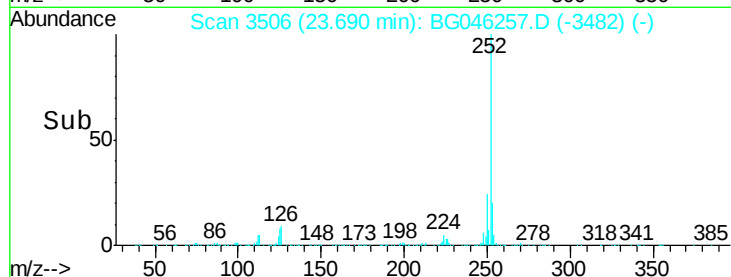
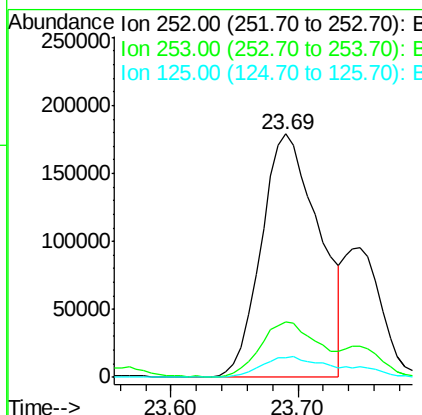
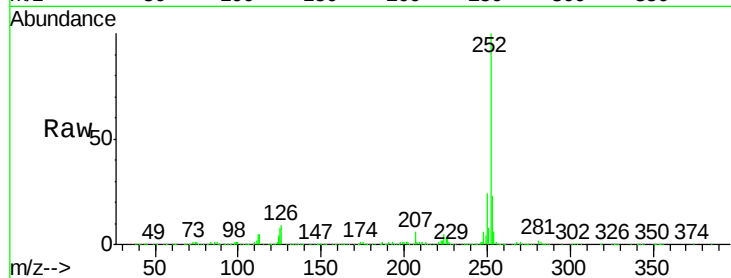




#25
Benzo(k)fluoranthene
Concen: 15.497 ng/ul
RT: 23.69 min Scan# 3506
Delta R.T. -0.06 min
Lab File: BG046257.D
Acq: 13 Aug 2020 20:22

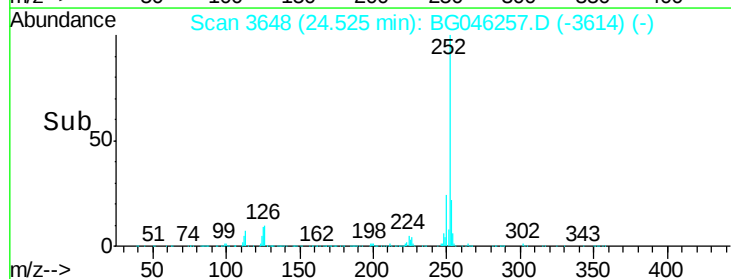
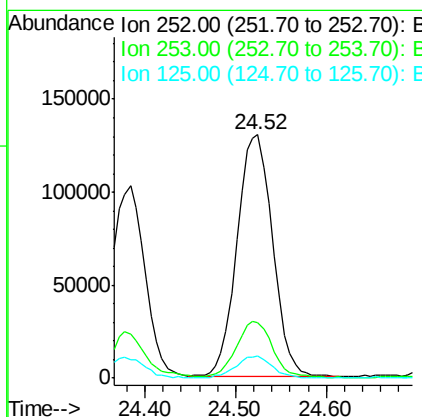
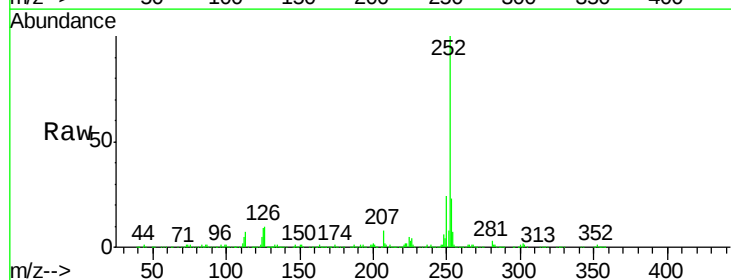
Instrument :
BNA_G
ClientSampleId :
BFM64

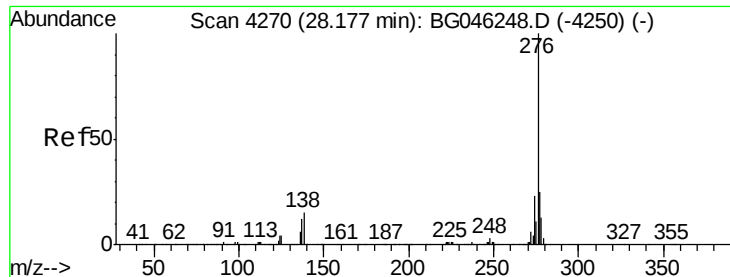
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.5	27.7
125	7.9	6.2	9.2



#27
Benzo(a)pyrene
Concen: 10.496 ng/ul
RT: 24.52 min Scan# 3648
Delta R.T. 0.00 min
Lab File: BG046257.D
Acq: 13 Aug 2020 20:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	9.3	7.1	10.7



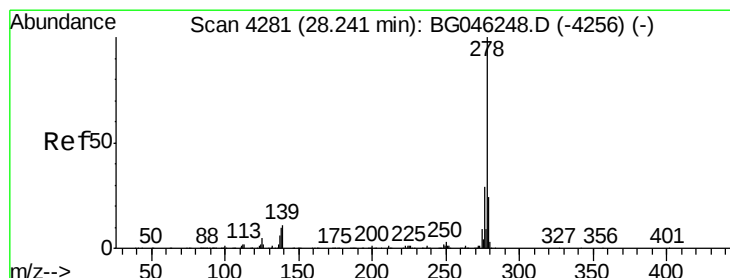
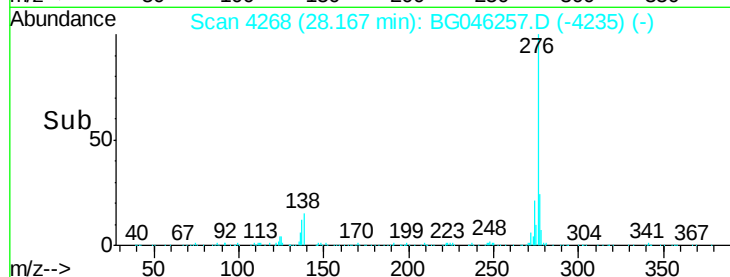
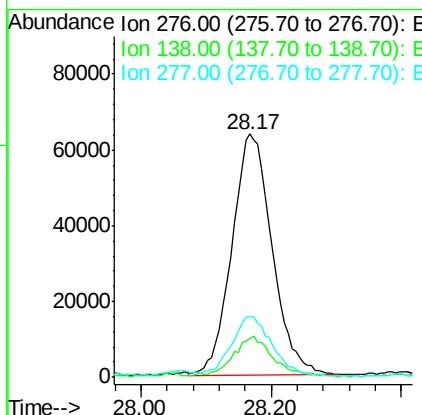
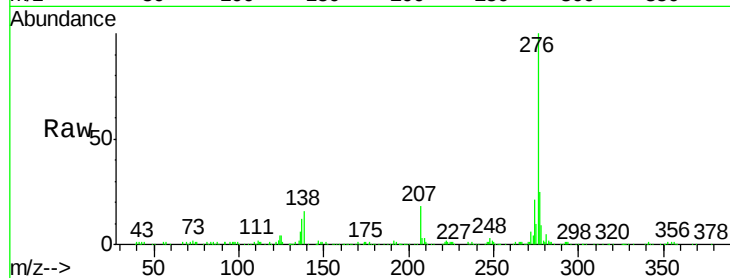


#28

Indeno(1,2,3-cd)pyrene
Concen: 6.437 ng/ul
RT: 28.17 min Scan# 4268
Delta R.T. -0.01 min
Lab File: BG046257.D
Acq: 13 Aug 2020 20:22

Instrument :
BNA_G
ClientSampleId :
BFM64

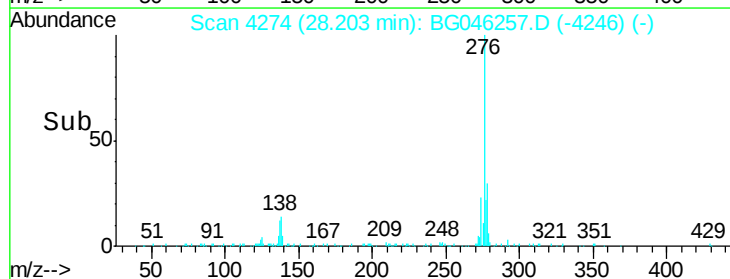
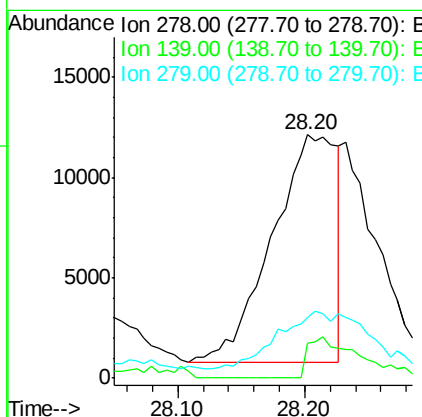
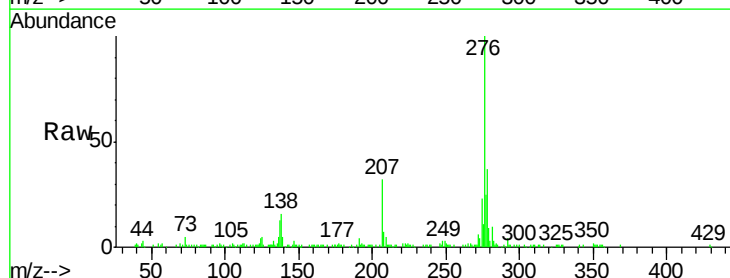
Tot Ion	Ratio	Lower	Upper
276	100		
138	15.7	13.2	19.8
277	24.7	19.9	29.9

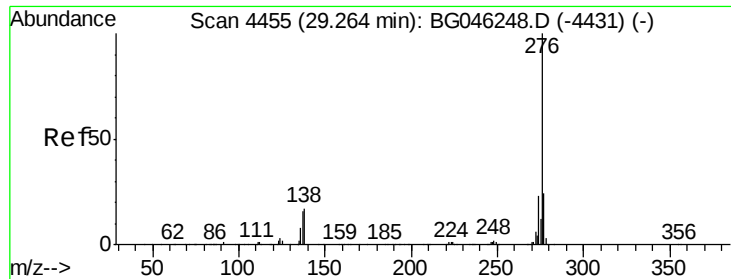


#29

Dibenzo(a,h)anthracene
Concen: 1.169 ng/ul
RT: 28.20 min Scan# 4274
Delta R.T. -0.03 min
Lab File: BG046257.D
Acq: 13 Aug 2020 20:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.2	9.8	14.8
279	25.0	19.7	29.5





#30

Benzo(a,h,i)perylene

Concen: 7.055 ng/ul

RT: 29.26 min Scan# 4454

Delta R.T. -0.01 min

Lab File: BG046257.D

Acq: 13 Aug 2020 20:22

Instrument :

BNA_G

ClientSampleId :

BFM64

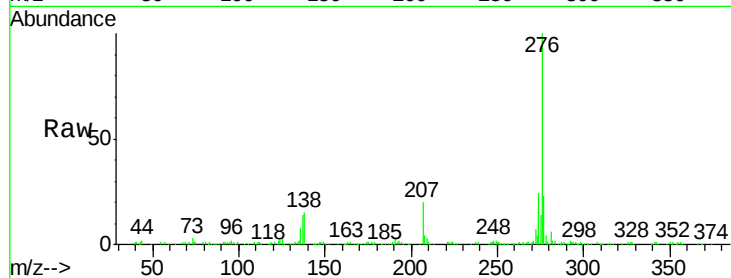
Tot Ion:276 Resp: 249445

Ion Ratio Lower Upper

276 100

138 14.7 12.9 19.3

277 23.4 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

