

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046358.D
 Acq On : 19 Aug 2020 22:47
 Operator : CG/JU
 Sample : L3633-18
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFME6

Quant Time: Aug 20 01:29:29 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 20 01:26:46 2020
 Response via : Initial Calibration

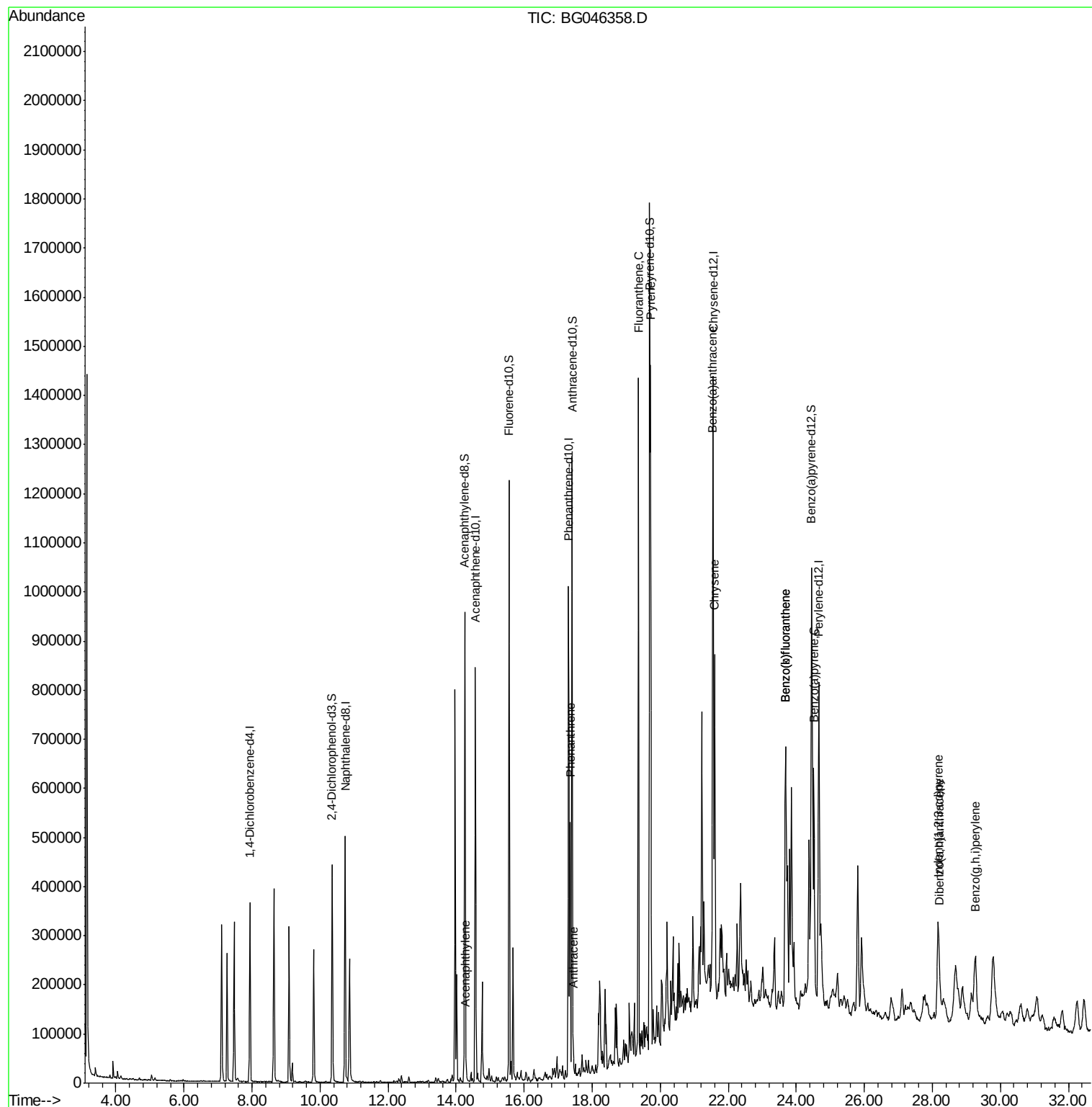
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	112184	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	457388	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	299720	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	657146	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	637246	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	678142	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	192838	24.49	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	711360	25.79	ng/ul	0.00
10) Fluorene-d10	15.56	176	541421	25.62	ng/ul	0.00
15) Anthracene-d10	17.41	188	762087	25.02	ng/ul	0.00
19) Pyrene-d10	19.69	212	878983	26.80	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	977965	26.43	ng/ul	0.00
Target Compounds				Qvalue		
8) Acenaphthylene	14.29	152	37170	1.325	ng/ul	96
14) Phenanthrene	17.35	178	337360	9.332	ng/ul	99
16) Anthracene	17.44	178	50251	1.378	ng/ul	98
17) Fluoranthene	19.36	202	876419	21.741	ng/ul	99
20) Pyrene	19.72	202	843980	20.177	ng/ul	99
21) Benzo(a)anthracene	21.54	228	448413	10.815	ng/ul	98
22) Chrysene	21.60	228	502154	12.529	ng/ul	98
24) Benzo(b)fluoranthene	23.68	252	724997	16.167	ng/ul	99
25) Benzo(k)fluoranthene	23.68	252	724997	16.298	ng/ul	99
27) Benzo(a)pyrene	24.52	252	479977	11.658	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.18	276	335010	6.499	ng/ul	98
29) Dibenzo(a,h)anthracene	28.20	278	84697	2.026	ng/ul#	86
30) Benzo(a,h,i)perylene	29.26	276	279433	6.477	ng/ul	99

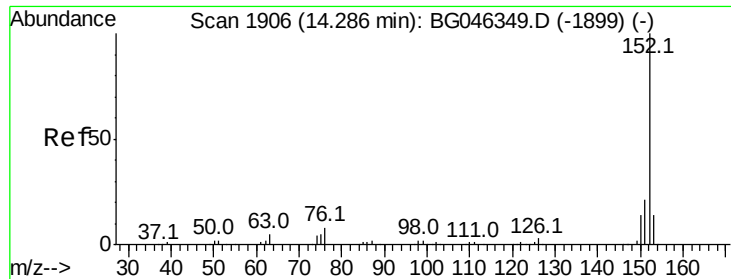
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 1.325 ng/ul

RT: 14.29 min Scan# 1907

Delta R.T. 0.01 min

Lab File: BG046358.D

Acq: 19 Aug 2020 22:47

Instrument :

BNA_G

ClientSampleId :

BFME6

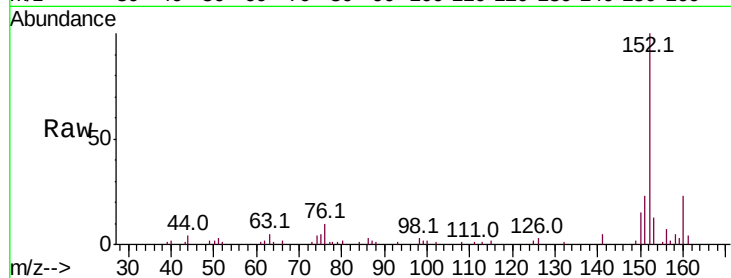
Tot Ion:152 Resp: 37170

Ion Ratio Lower Upper

152 100

151 23.1 16.5 24.7

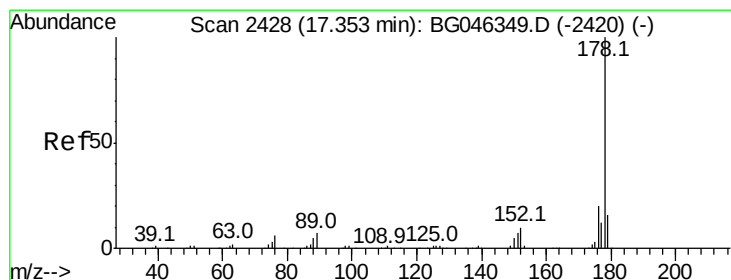
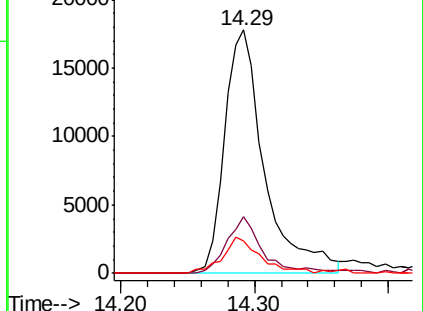
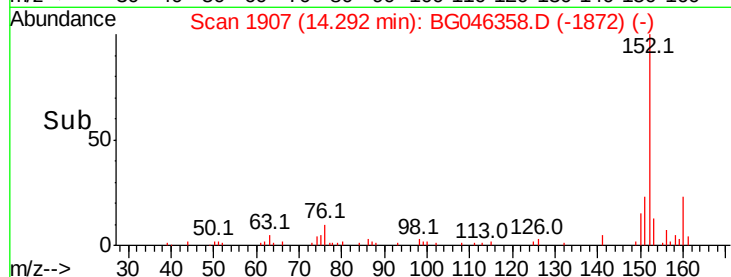
153 13.4 11.0 16.6



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: 9.332 ng/ul

RT: 17.35 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BG046358.D

Acq: 19 Aug 2020 22:47

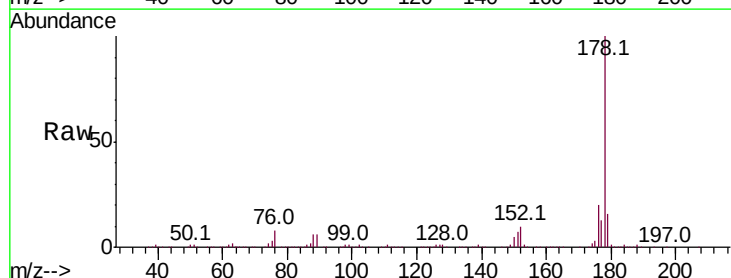
Tgt Ion:178 Resp: 337360

Ion Ratio Lower Upper

178 100

179 15.7 12.8 19.2

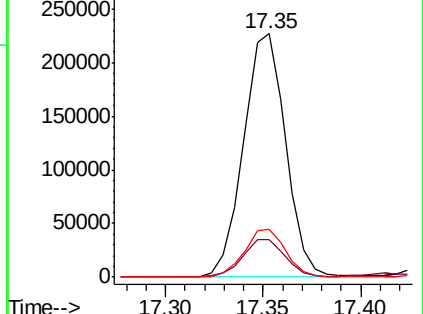
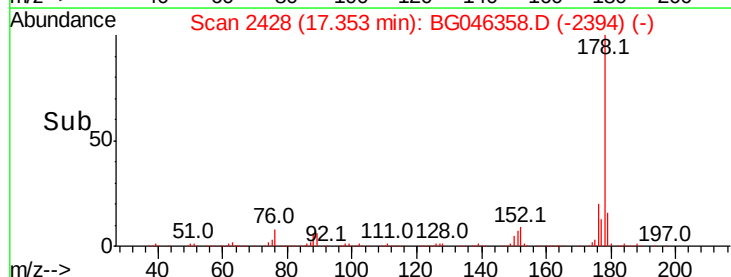
176 19.5 15.8 23.8

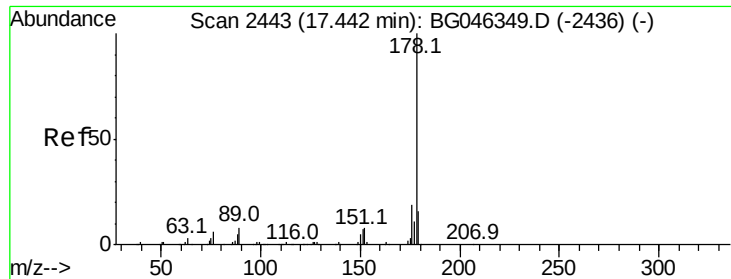


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

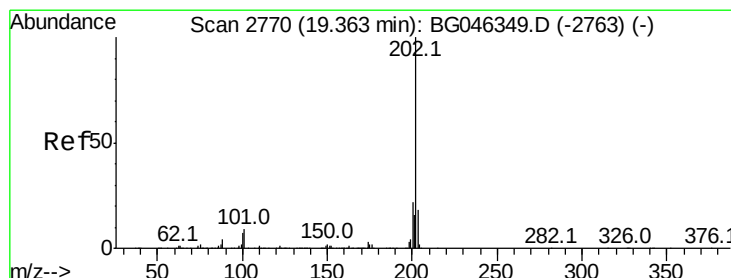
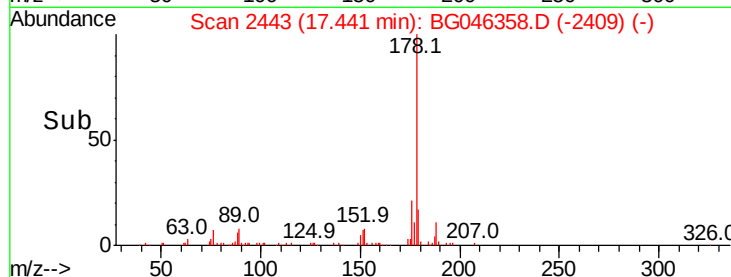
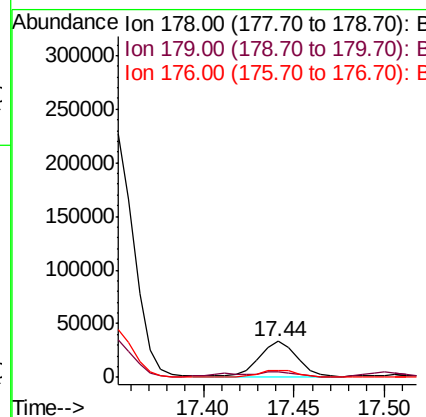
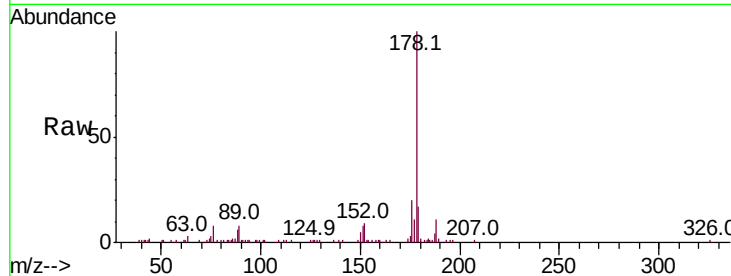




#16
 Anthracene
 Concen: 1.378 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG046358.D
 Acq: 19 Aug 2020 22:47

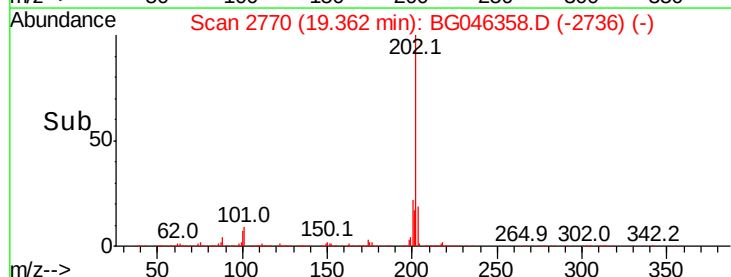
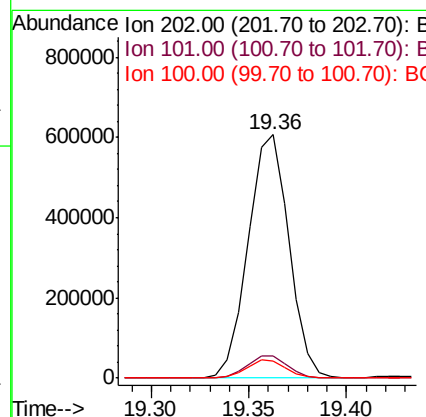
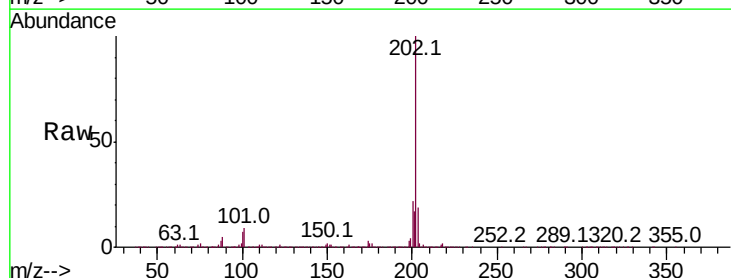
Instrument :
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 BFME6

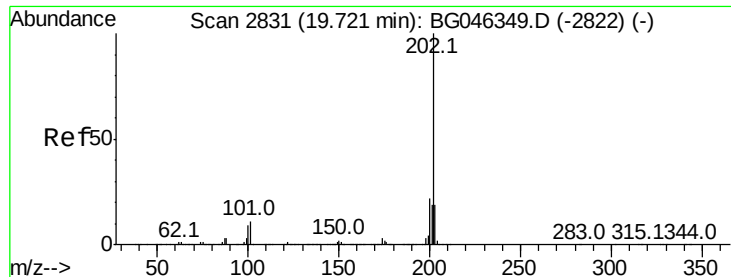
Tot Ion:178 Resp: 50251
 Ion Ratio Lower Upper
 178 100
 179 16.7 13.2 19.8
 176 20.5 15.2 22.8



#17
 Fluoranthene
 Concen: 21.741 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: BG046358.D
 Acq: 19 Aug 2020 22:47

Tgt Ion:202 Resp: 876419
 Ion Ratio Lower Upper
 202 100
 101 9.0 7.8 11.6
 100 7.2 5.9 8.9

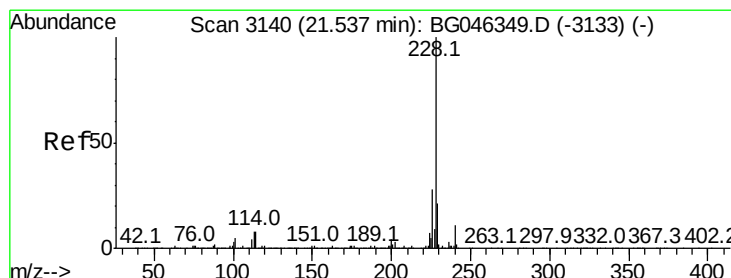
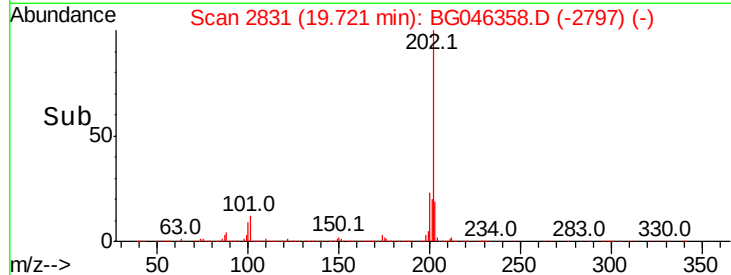
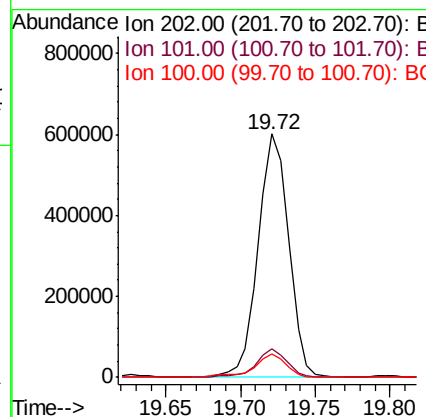
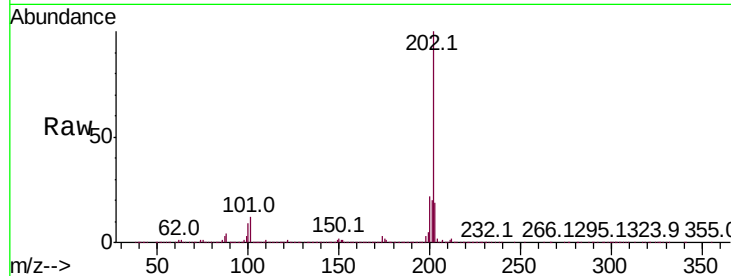




#20
Pvrene
Concen: 20.177 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BG046358.D
Acq: 19 Aug 2020 22:47

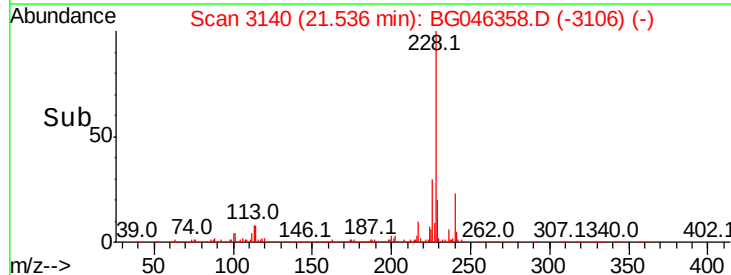
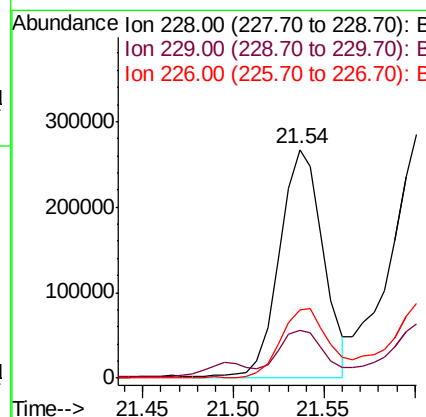
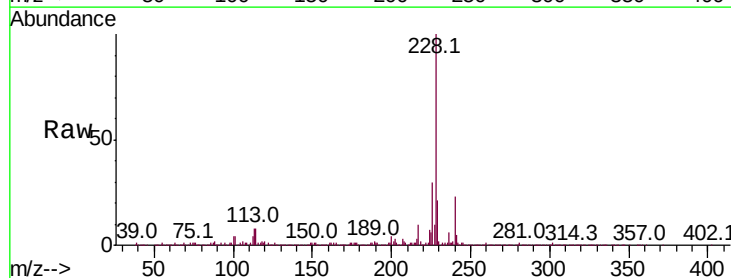
Instrument :
BNA_G
ClientSampleId :
BFME6

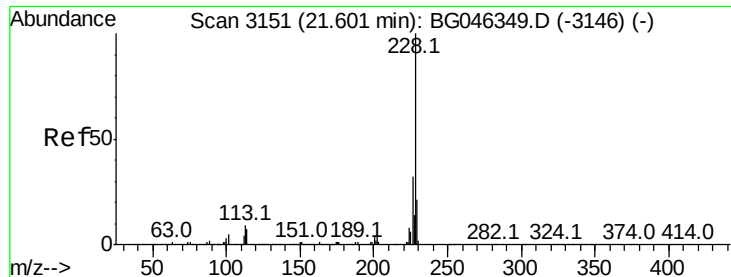
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.5	8.9	13.3
100	9.4	7.9	11.9



#21
Benzo(a)anthracene
Concen: 10.815 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. -0.00 min
Lab File: BG046358.D
Acq: 19 Aug 2020 22:47

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.9	16.6	25.0
226	29.8	22.6	33.8





#22

Chrysene

Concen: 12.529 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG046358.D

Acq: 19 Aug 2020 22:47

Instrument :

BNA_G

ClientSampleId :

BFME6

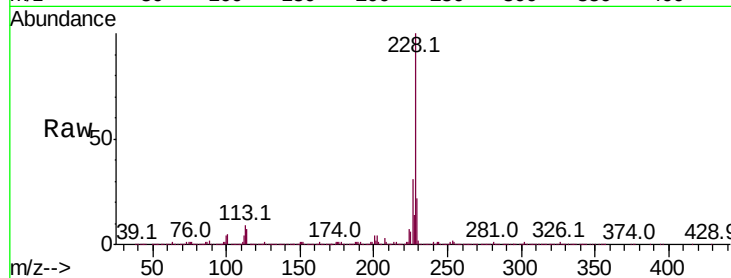
Tot Ion:228 Resp: 502154

Ion Ratio Lower Upper

228 100

226 30.9 25.5 38.3

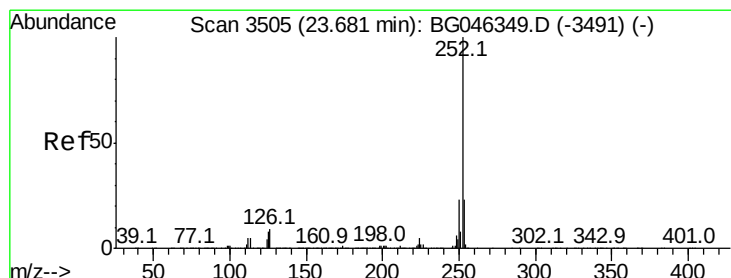
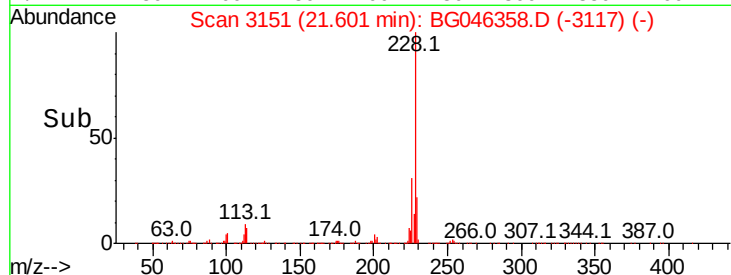
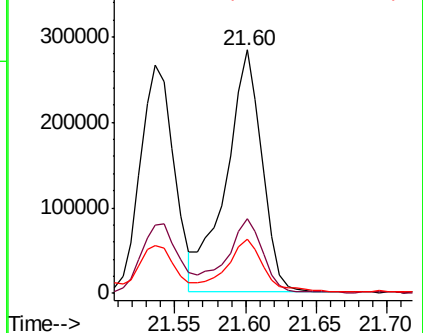
229 22.2 17.0 25.4



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: 16.167 ng/ul

RT: 23.68 min Scan# 3505

Delta R.T. -0.00 min

Lab File: BG046358.D

Acq: 19 Aug 2020 22:47

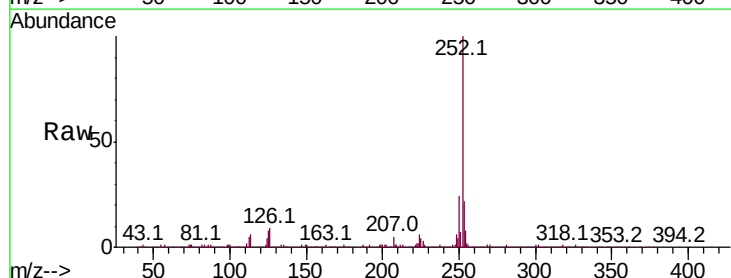
Tgt Ion:252 Resp: 724997

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

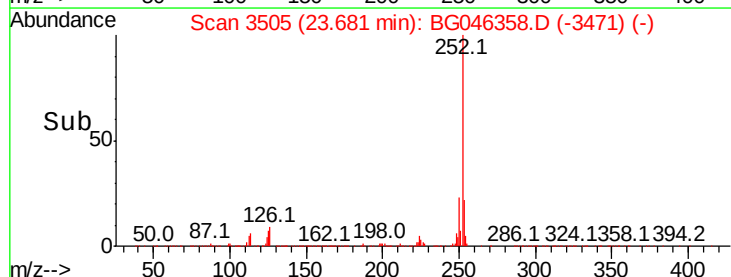
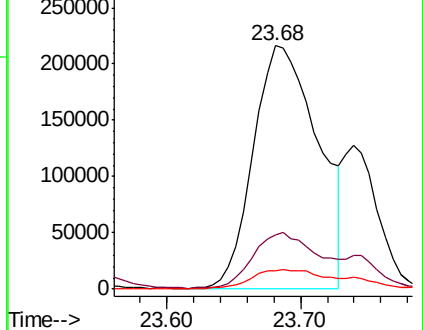
125 7.7 6.4 9.6

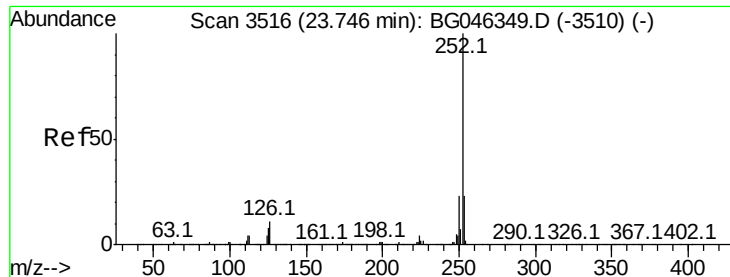


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

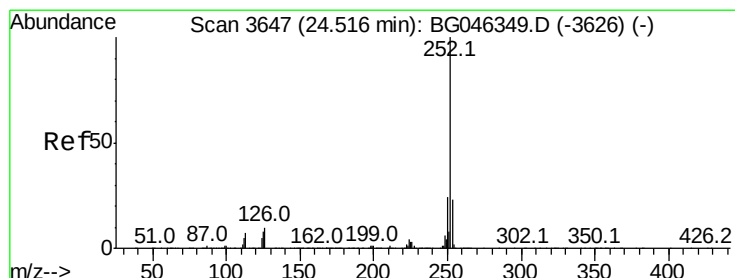
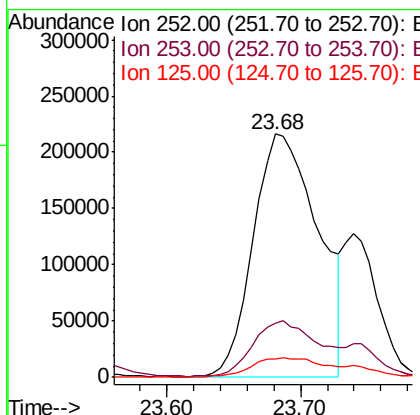
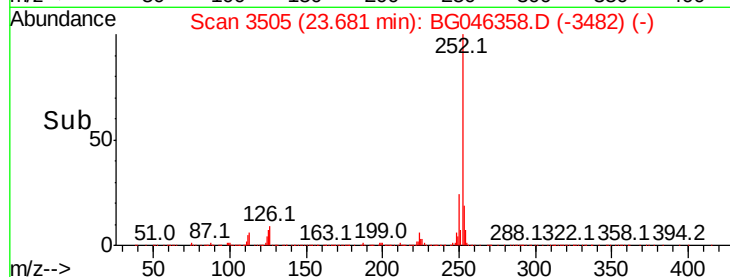
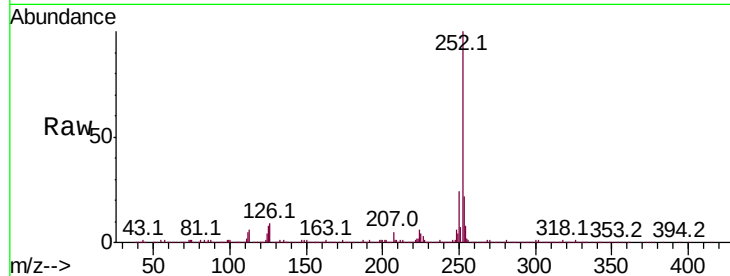




#25
Benzo(k)fluoranthene
Concen: 16.298 ng/ul
RT: 23.68 min Scan# 3505
Delta R.T. -0.07 min
Lab File: BG046358.D
Acq: 19 Aug 2020 22:47

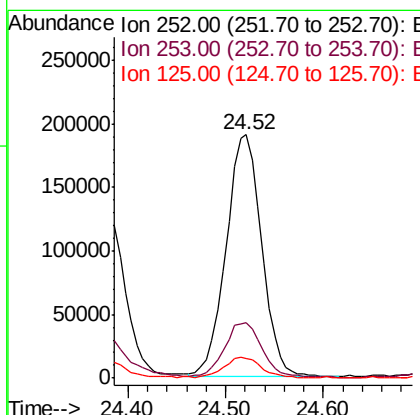
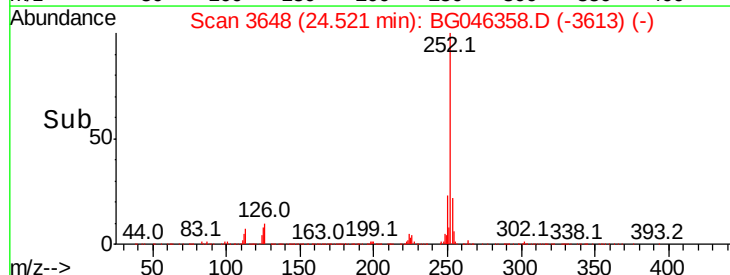
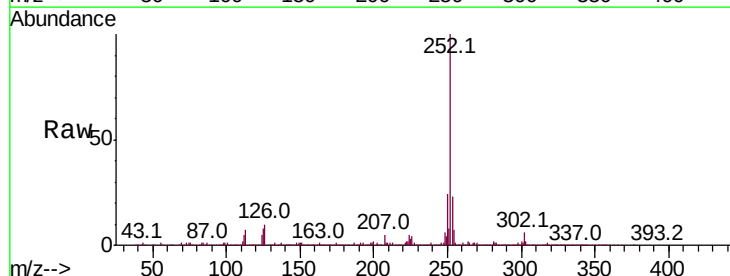
Instrument :
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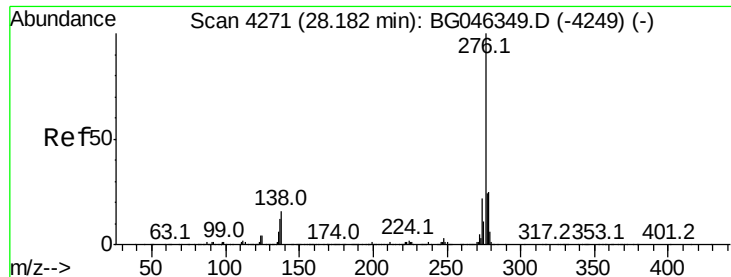
Tot	Ion:252	Resp:	724997
Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.5	27.7
125	7.7	6.2	9.2



#27
Benzo(a)pyrene
Concen: 11.658 ng/ul
RT: 24.52 min Scan# 3648
Delta R.T. 0.01 min
Lab File: BG046358.D
Acq: 19 Aug 2020 22:47

Tgt	Ion:252	Resp:	479977
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	8.3	7.1	10.7



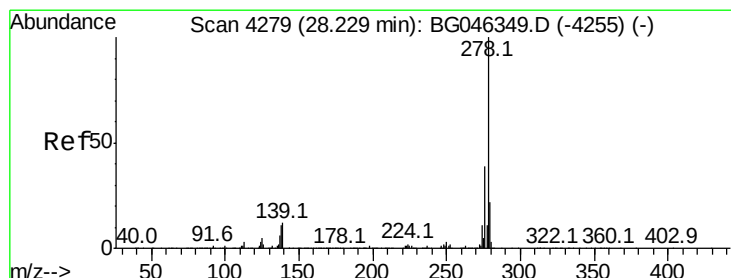
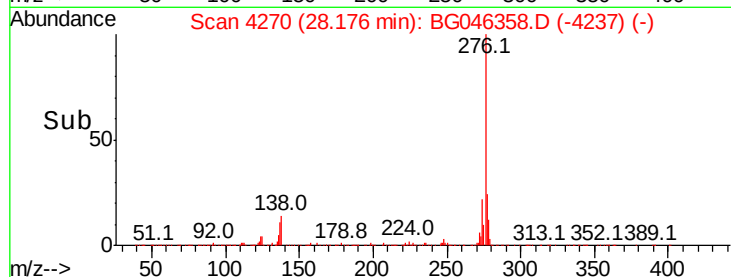
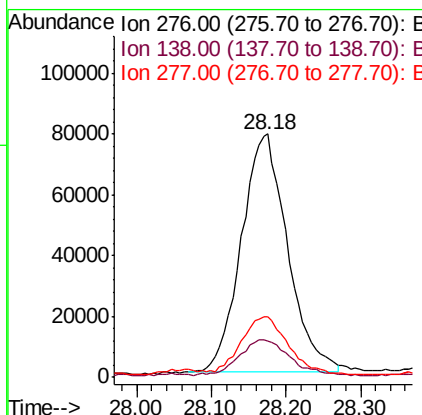
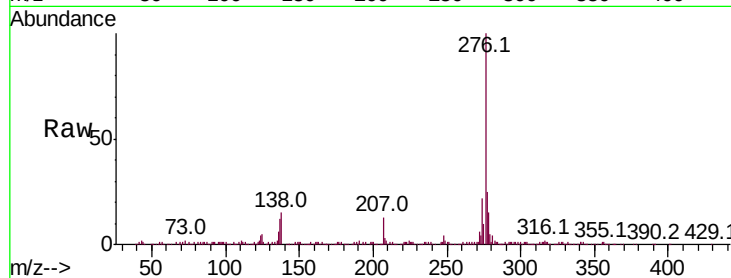


#28

Indeno(1,2,3-cd)pyrene
Concen: 6.499 ng/ul
RT: 28.18 min Scan# 4270
Delta R.T. -0.01 min
Lab File: BG046358.D
Acq: 19 Aug 2020 22:47

Instrument :
BNA_G
ClientSampleId :
BFME6

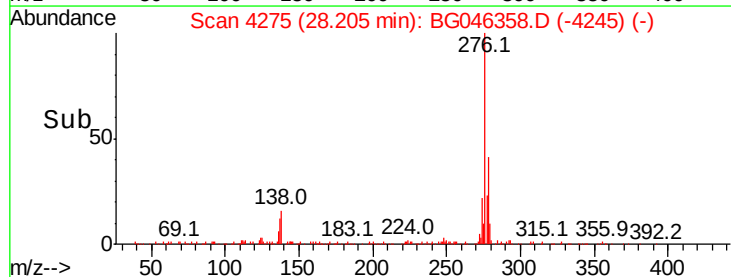
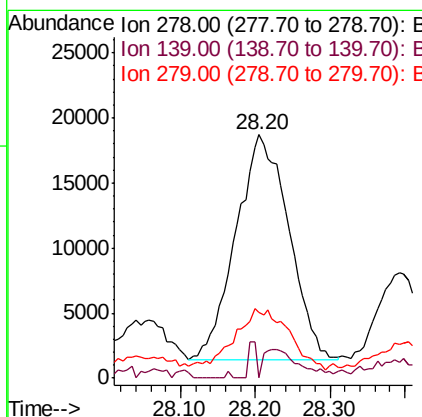
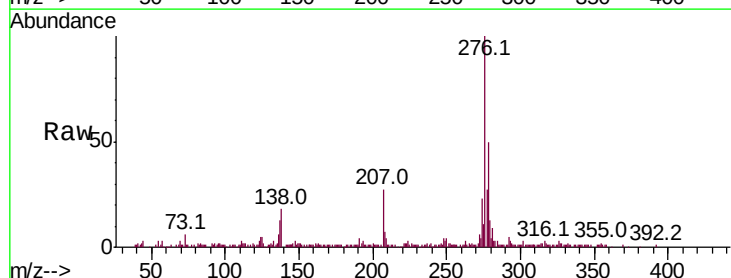
Tot Ion	Ratio	Lower	Upper
276	100		
138	15.0	13.2	19.8
277	25.1	19.9	29.9

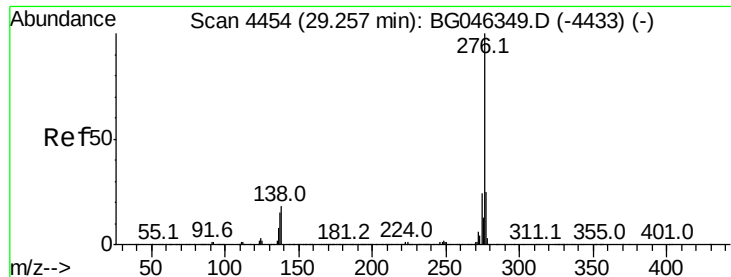


#29

Dibenzo(a,h)anthracene
Concen: 2.026 ng/ul
RT: 28.20 min Scan# 4275
Delta R.T. -0.02 min
Lab File: BG046358.D
Acq: 19 Aug 2020 22:47

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	9.8	14.8#
279	27.0	19.7	29.5





#30

Benzo(a,h,i)perylene

Concen: 6.477 ng/ul

RT: 29.26 min Scan# 4455

Delta R.T. 0.01 min

Lab File: BG046358.D

Acq: 19 Aug 2020 22:47

Instrument :

BNA_G

ClientSampleId :

BFME6

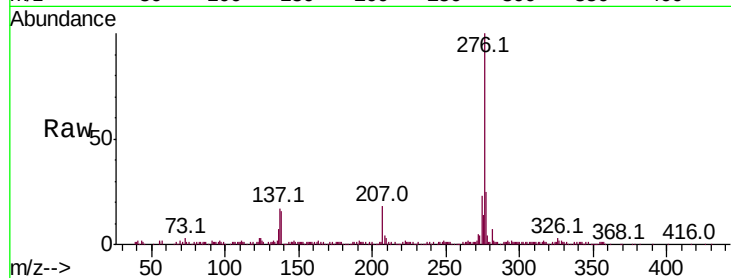
Tot Ion:276 Resp: 279433

Ion Ratio Lower Upper

276 100

138 16.3 12.9 19.3

277 24.7 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

