

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
 Data File : BG046316.D
 Acq On : 18 Aug 2020 4:38
 Operator : CG/JU
 Sample : L3632-19
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFM97

Quant Time: Aug 18 05:15:30 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

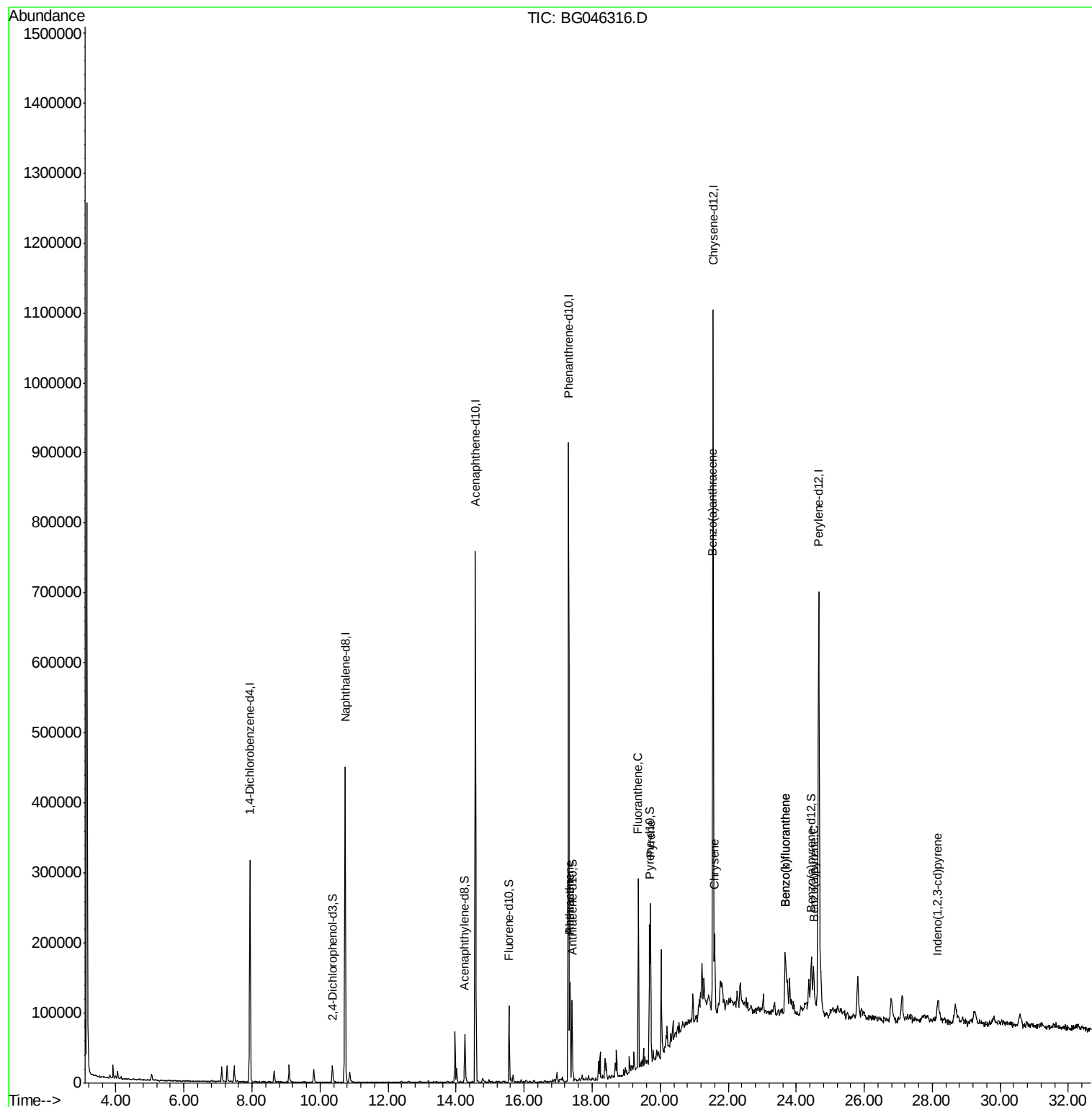
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	98929	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	411387	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	275220	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	604438	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	606570	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	637903	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	11956	1.69	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	55267	2.18	ng/ul	0.00
10) Fluorene-d10	15.56	176	47352	2.44	ng/ul	0.00
15) Anthracene-d10	17.41	188	74272	2.65	ng/ul	0.00
19) Pyrene-d10	19.69	212	79916	2.56	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.44	264	80158	2.30	ng/ul	-0.01
Target Compounds						
						Qvalue
14) Phenanthrene	17.35	178	93815	2.821	ng/ul	98
16) Anthracene	17.35	178	93941	2.800	ng/ul	98
17) Fluoranthene	19.36	202	167144	4.508	ng/ul	97
20) Pyrene	19.72	202	144182	3.621	ng/ul#	95
21) Benzo(a)anthracene	21.54	228	69432	1.759	ng/ul	99
22) Chrysene	21.60	228	83649	2.193	ng/ul	97
24) Benzo(b)fluoranthene	23.68	252	113573	2.692	ng/ul#	97
25) Benzo(k)fluoranthene	23.68	252	113573	2.714	ng/ul#	98
27) Benzo(a)pyrene	24.51	252	63589	1.642	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.16	276	50877	1.049	ng/ul	99

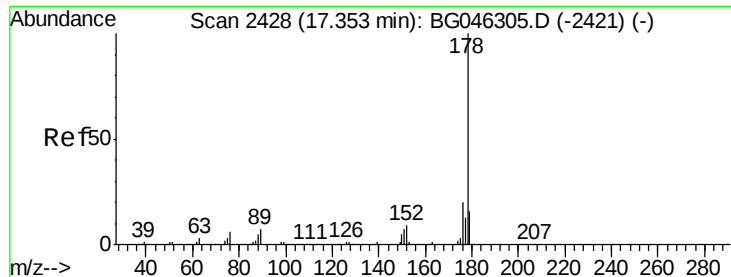
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Phenanthrene

Concen: 2.821 ng/ul

RT: 17.35 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BG046316.D

Acq: 18 Aug 2020 4:38

Instrument :

BNA_G

ClientSampleId :

BFM97

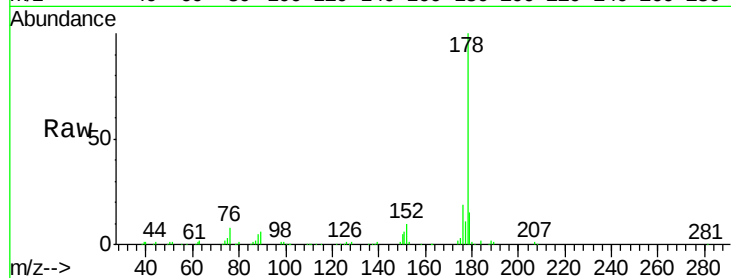
Tot Ion:178 Resp: 93815

Ion Ratio Lower Upper

178 100

179 15.1 12.8 19.2

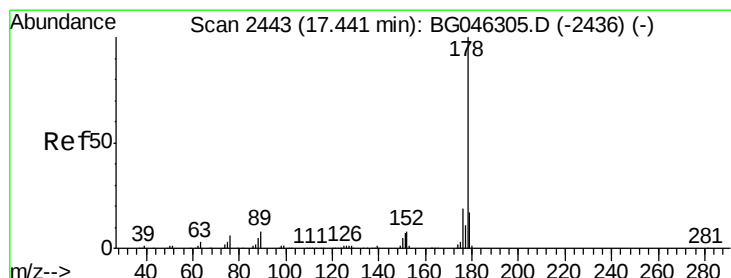
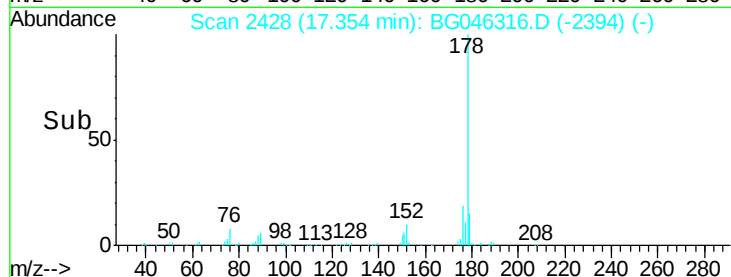
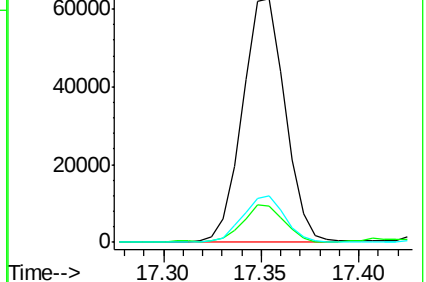
176 19.1 15.8 23.8



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: 2.800 ng/ul

RT: 17.35 min Scan# 2428

Delta R.T. -0.10 min

Lab File: BG046316.D

Acq: 18 Aug 2020 4:38

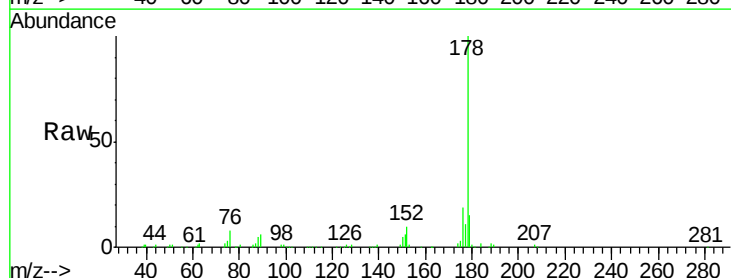
Tgt Ion:178 Resp: 93941

Ion Ratio Lower Upper

178 100

179 15.1 13.2 19.8

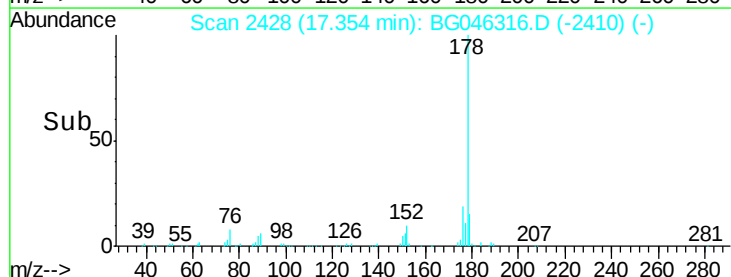
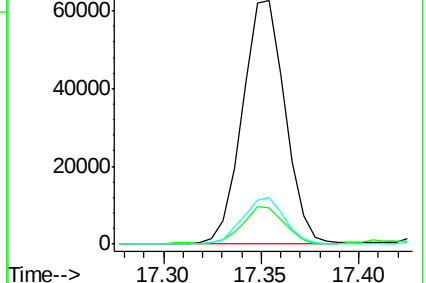
176 19.1 15.2 22.8

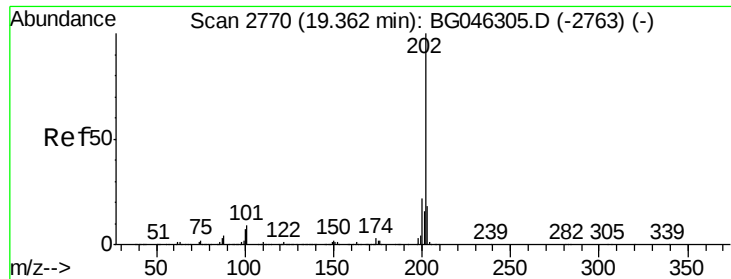


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

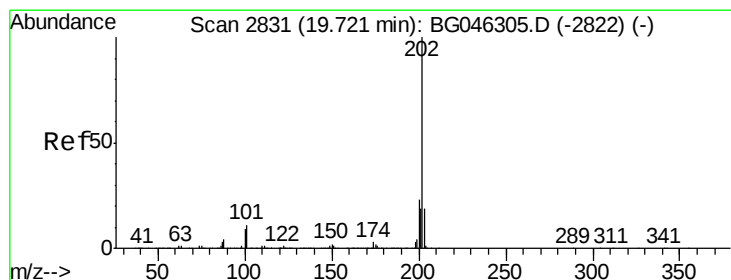
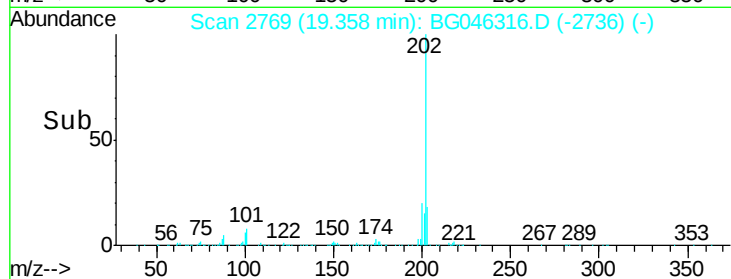
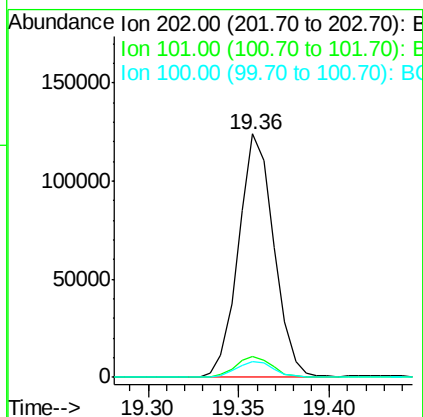
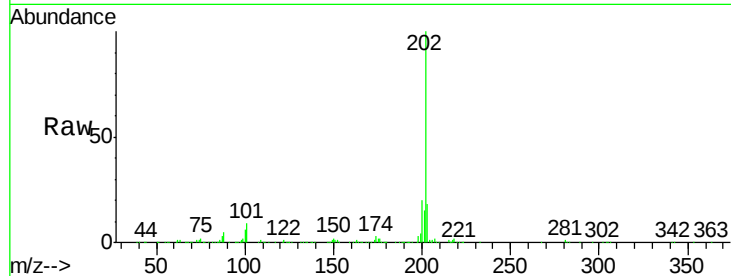




#17
Fluoranthene
 Concen: 4.508 ng/ul
 RT: 19.36 min Scan# 2769
 Delta R.T. -0.01 min
 Lab File: BG046316.D
 Acq: 18 Aug 2020 4:38

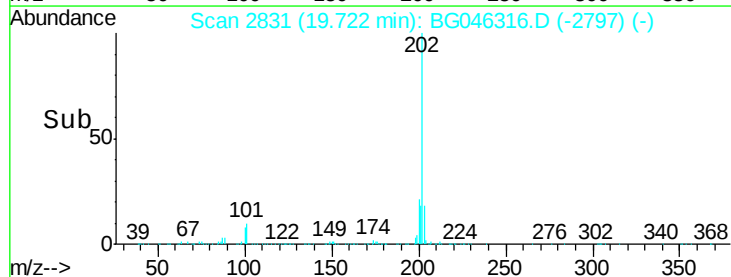
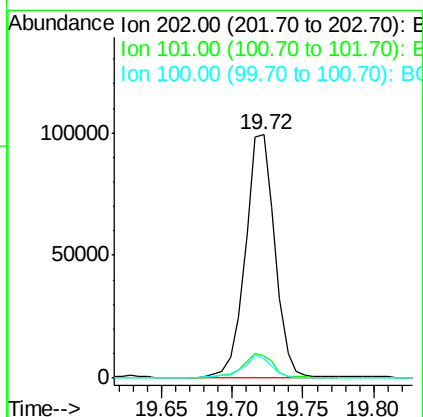
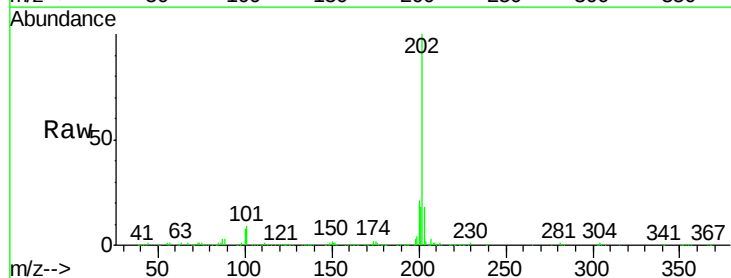
Instrument :
 BNA_G
 ClientSampleId :
 BFM97

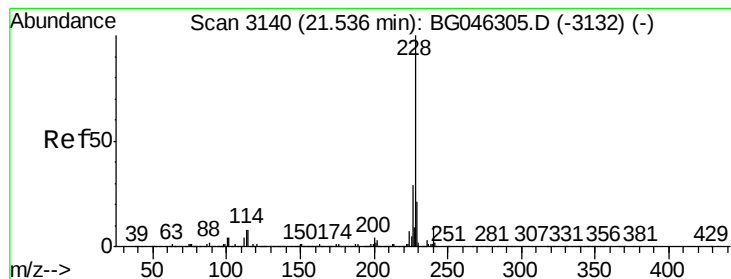
Tot Ion:	202	Resp:	167144
Ion	Ratio	Lower	Upper
202	100		
101	8.5	7.8	11.6
100	6.4	5.9	8.9



#20
Pyrene
 Concen: 3.621 ng/ul
 RT: 19.72 min Scan# 2831
 Delta R.T. -0.00 min
 Lab File: BG046316.D
 Acq: 18 Aug 2020 4:38

Tgt Ion:	202	Resp:	144182
Ion	Ratio	Lower	Upper
202	100		
101	9.3	8.9	13.3
100	7.8	7.9	11.9#





#21

Benzo(a)anthracene

Concen: 1.759 ng/ul

RT: 21.54 min Scan# 3140

Delta R.T. -0.01 min

Lab File: BG046316.D

Acq: 18 Aug 2020 4:38

Instrument :

BNA_G

ClientSampleId :

BFM97

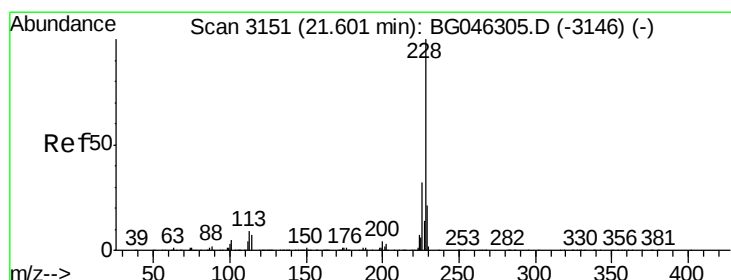
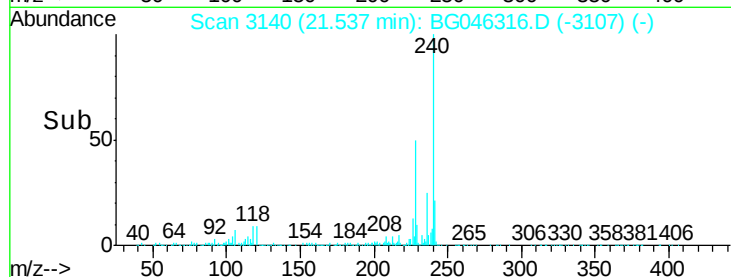
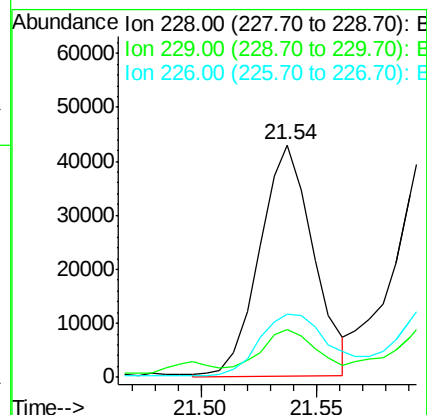
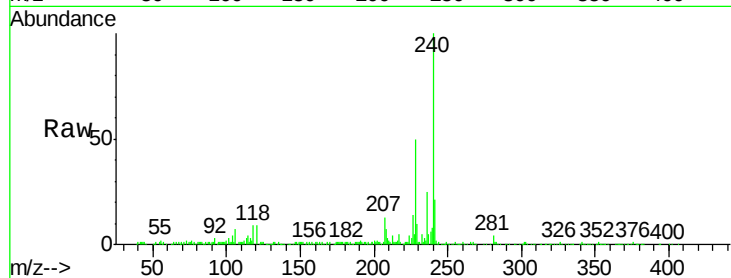
Tot Ion:228 Resp: 69432

Ion Ratio Lower Upper

228 100

229 20.5 16.6 25.0

226 27.3 22.6 33.8



#22

Chrysene

Concen: 2.193 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG046316.D

Acq: 18 Aug 2020 4:38

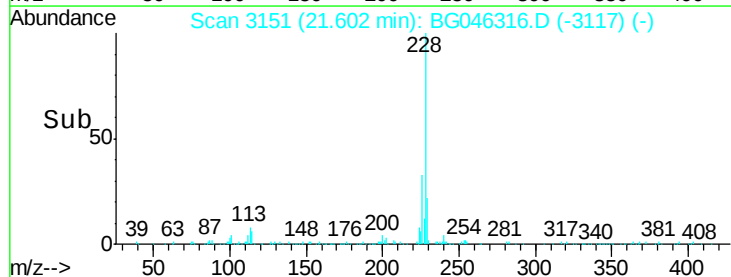
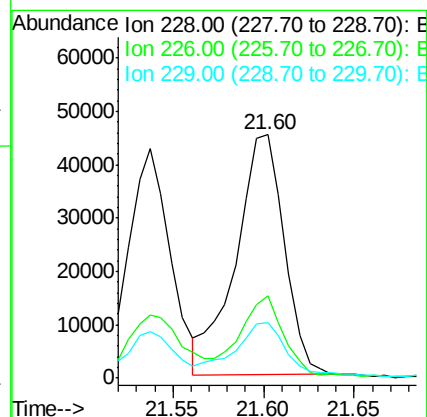
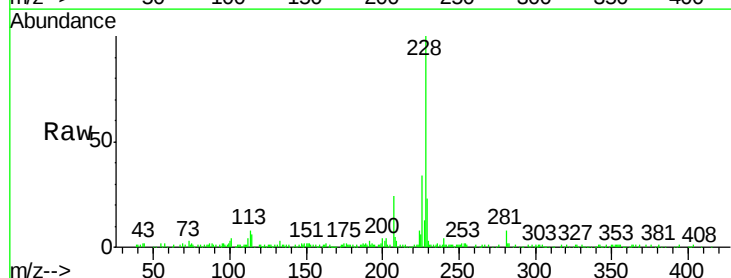
Tgt Ion:228 Resp: 83649

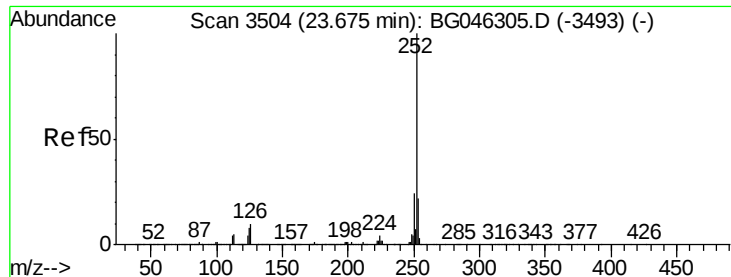
Ion Ratio Lower Upper

228 100

226 33.6 25.5 38.3

229 22.6 17.0 25.4





#24

Benzo(b)fluoranthene

Concen: 2.692 ng/ul

RT: 23.68 min Scan# 3505

Delta R.T. -0.00 min

Lab File: BG046316.D

Acq: 18 Aug 2020 4:38

Instrument :

BNA_G

ClientSampleId :

BFM97

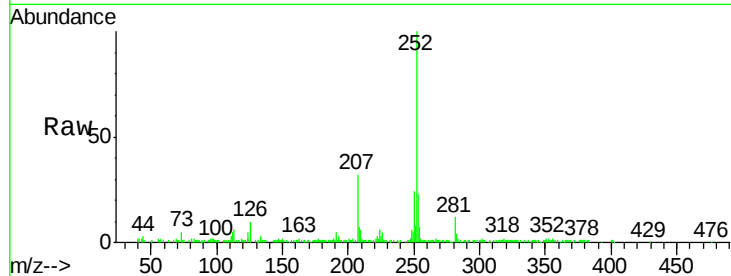
Tot Ion:252 Resp: 113573

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

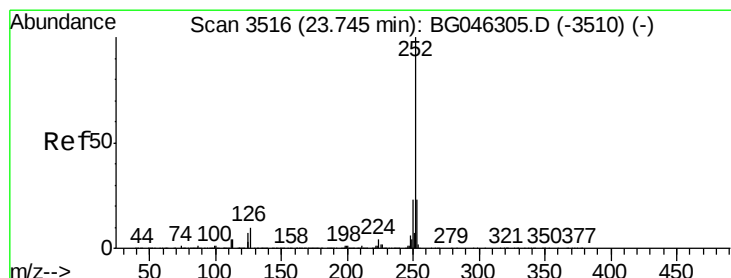
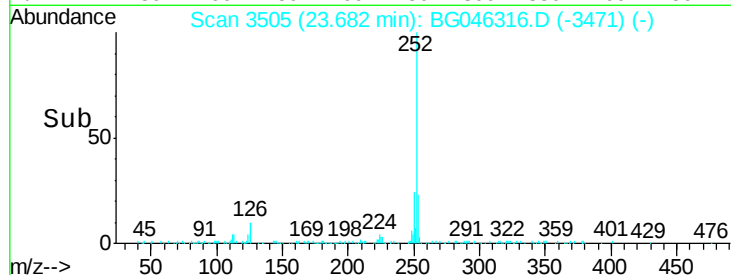
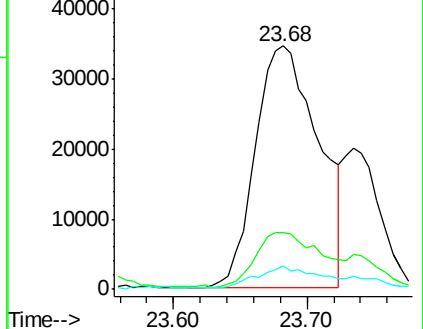
125 9.7 6.4 9.6#



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: 2.714 ng/ul

RT: 23.68 min Scan# 3505

Delta R.T. -0.07 min

Lab File: BG046316.D

Acq: 18 Aug 2020 4:38

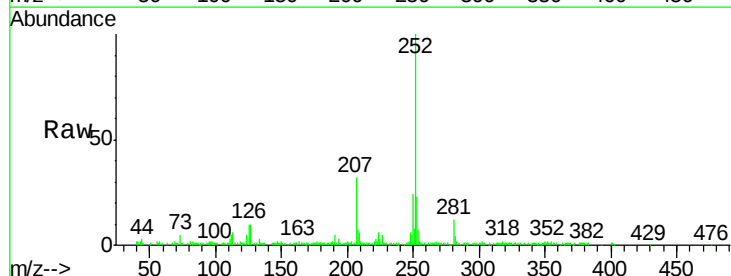
Tgt Ion:252 Resp: 113573

Ion Ratio Lower Upper

252 100

253 23.3 18.5 27.7

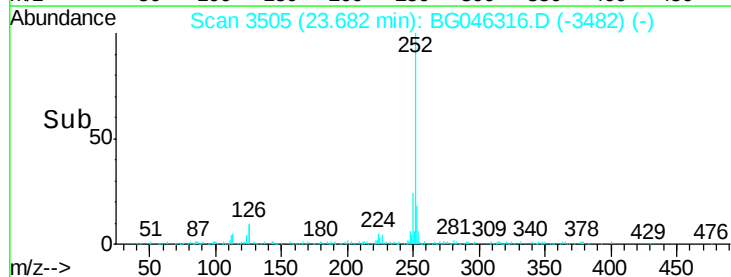
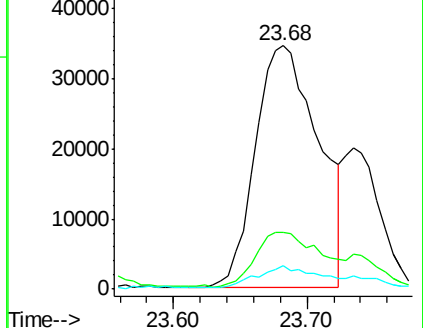
125 9.7 6.2 9.2#

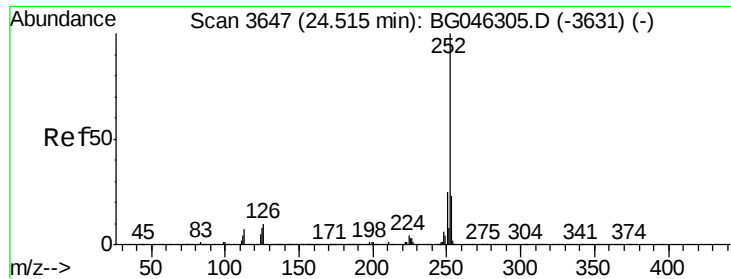


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 1.642 ng/ul

RT: 24.51 min Scan# 3646

Delta R.T. -0.01 min

Lab File: BG046316.D

Acq: 18 Aug 2020 4:38

Instrument :

BNA_G

ClientSampleId :

BFM97

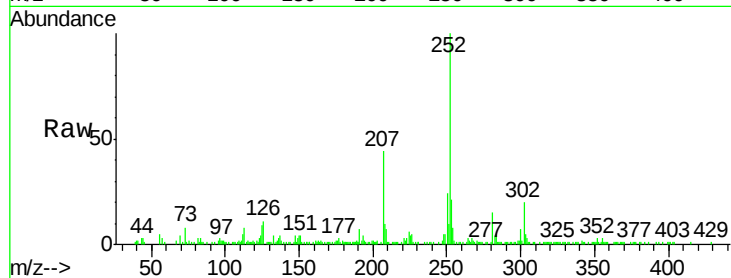
Tot Ion:252 Resp: 63589

Ion Ratio Lower Upper

252 100

253 21.5 17.8 26.8

125 9.3 7.1 10.7

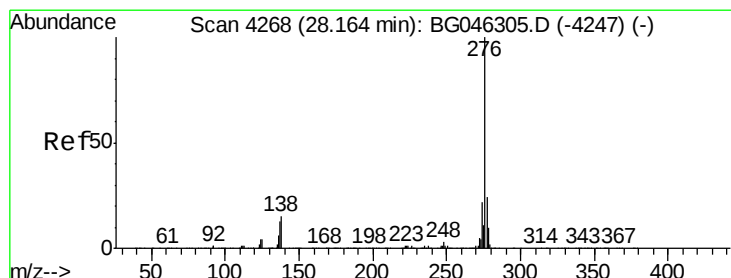
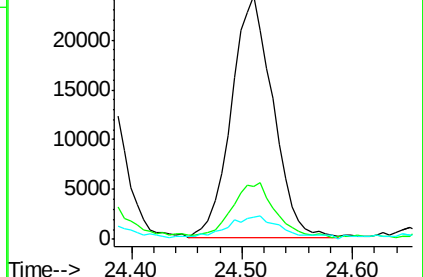
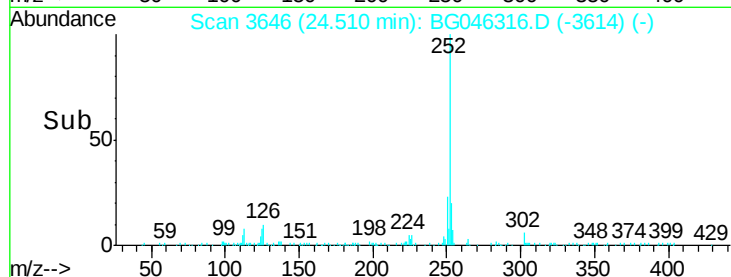


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



#28

Indeno(1,2,3-cd)pyrene

Concen: 1.049 ng/ul

RT: 28.16 min Scan# 4268

Delta R.T. -0.01 min

Lab File: BG046316.D

Acq: 18 Aug 2020 4:38

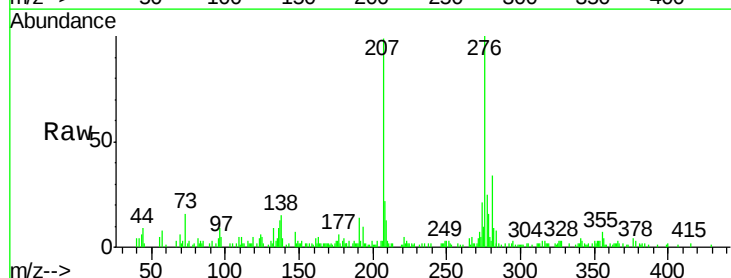
Tgt Ion:276 Resp: 50877

Ion Ratio Lower Upper

276 100

138 15.5 13.2 19.8

277 24.7 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

Time-->

