

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046403.D
 Acq On : 21 Aug 2020 8:00
 Operator : CG/JU
 Sample : L3635-06
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 08:47:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 21 08:23:54 2020
 Response via : Initial Calibration

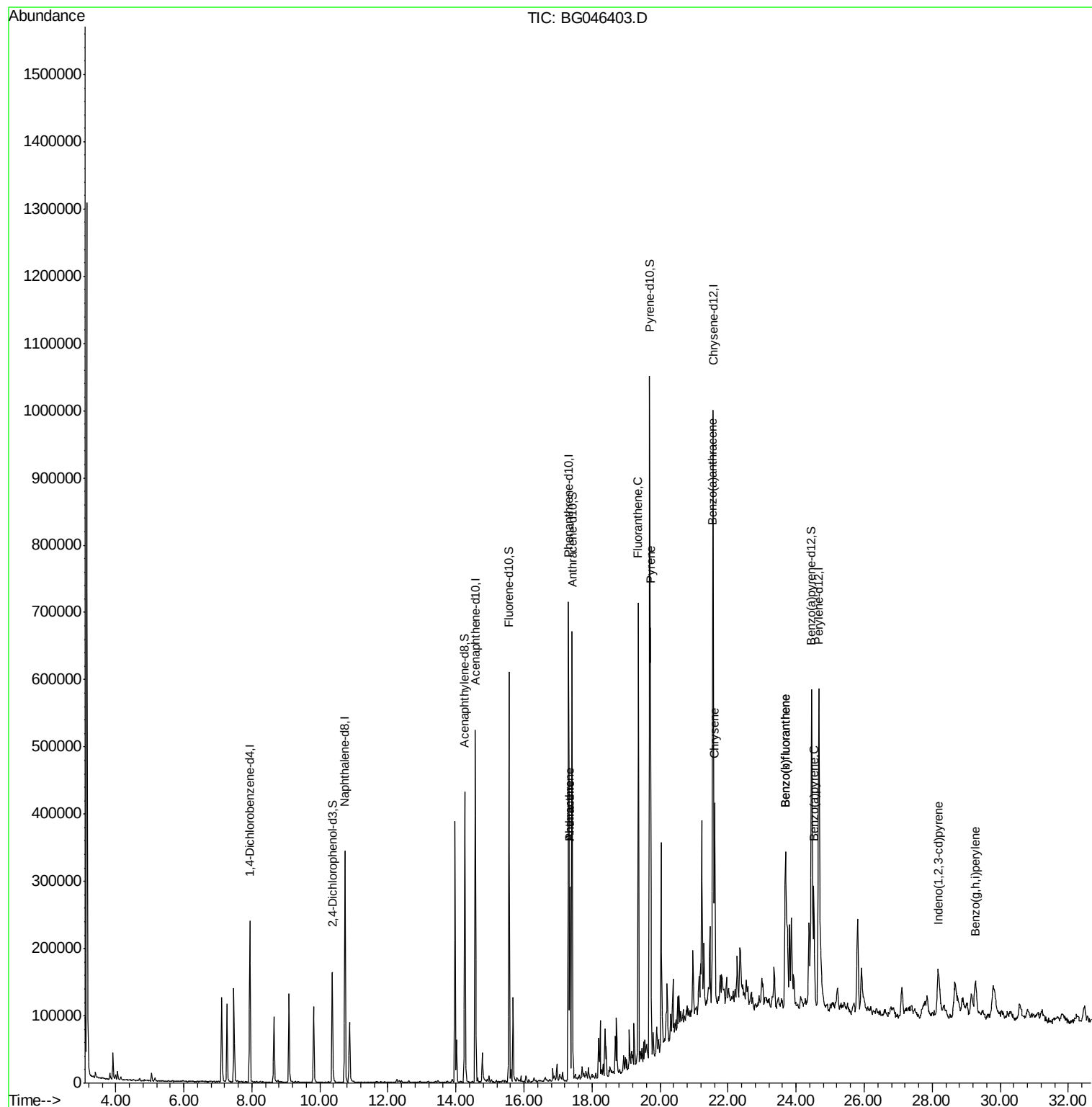
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	77629	20.00	ng/ul	0.00
2) Naphthalene-d8	10.73	136	304366	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	196012	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	466327	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	482522	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	524033	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	74978	14.31	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	324957	18.01	ng/ul	0.00
10) Fluorene-d10	15.56	176	257501	18.63	ng/ul	0.00
15) Anthracene-d10	17.41	188	401258	18.56	ng/ul	0.00
19) Pyrene-d10	19.70	212	493922	19.89	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	529724	18.52	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.35	178	192360	7.498	ng/ul	99
16) Anthracene	17.35	178	192491	7.436	ng/ul	98
17) Fluoranthene	19.36	202	436605	15.263	ng/ul	99
20) Pyrene	19.72	202	396507	12.519	ng/ul	98
21) Benzo(a)anthracene	21.54	228	196987	6.275	ng/ul	97
22) Chrysene	21.60	228	228951	7.544	ng/ul	99
24) Benzo(b)fluoranthene	23.68	252	310191	8.951	ng/ul	99
25) Benzo(k)fluoranthene	23.68	252	310191	9.024	ng/ul	99
27) Benzo(a)pyrene	24.52	252	185790	5.840	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.17	276	66436	1.668	ng/ul	97
30) Benzo(g,h,i)perylene	29.27	276	105084	3.152	ng/ul	99

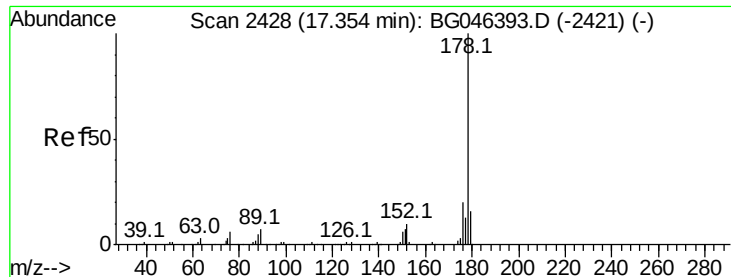
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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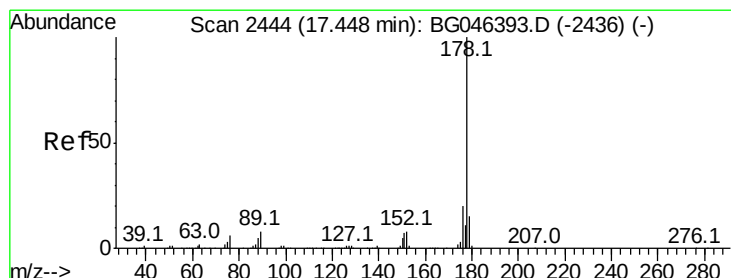
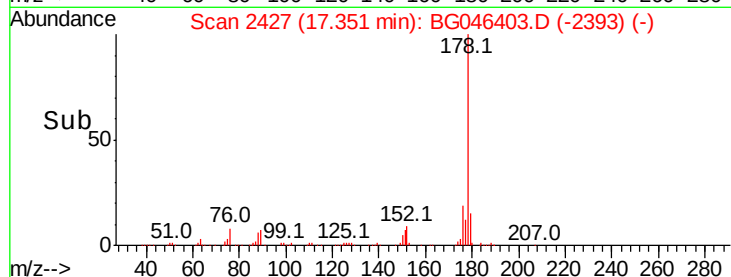
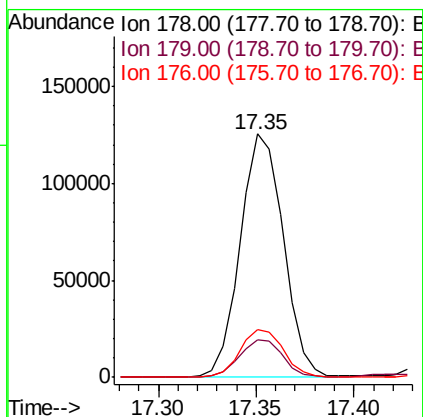
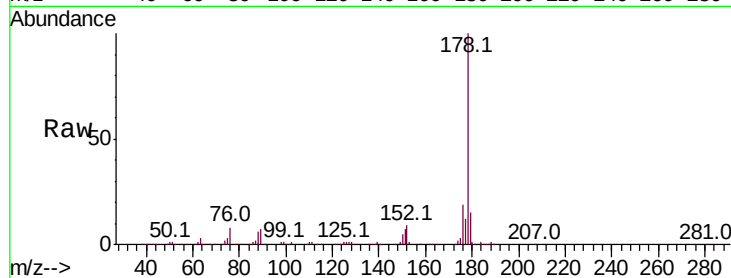




#14
Phenanthrene
Concen: 7.498 ng/ul
RT: 17.35 min Scan# 2427
Delta R.T. -0.00 min
Lab File: BG046403.D
Acq: 21 Aug 2020 8:00

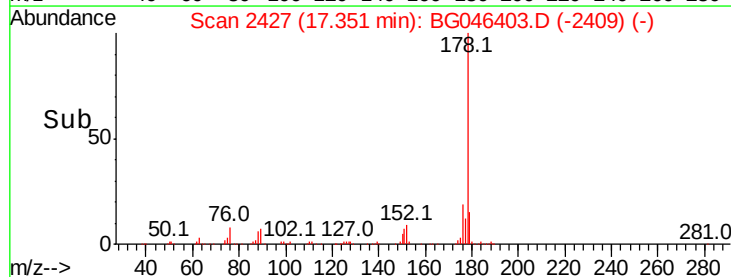
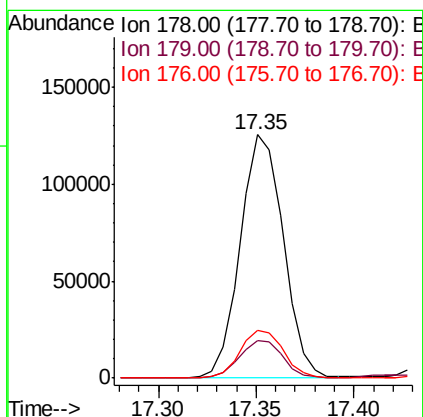
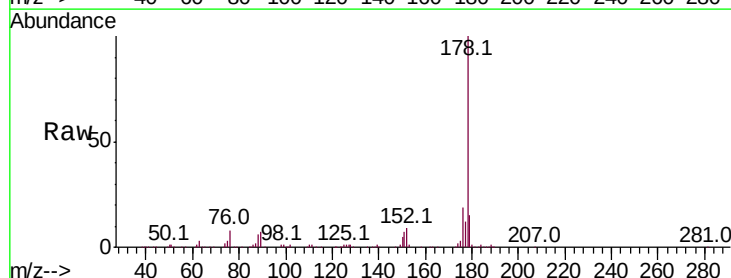
Instrument :
BNA_G
ClientSampleId :

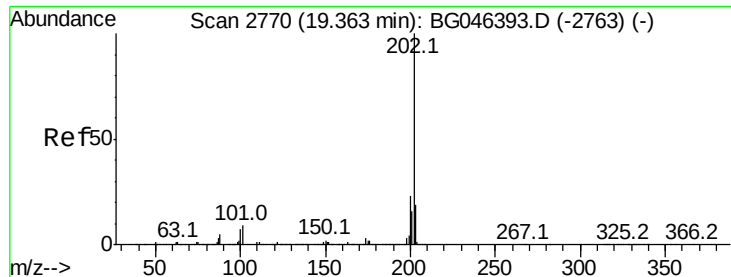
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.8	19.2
176	19.4	15.8	23.8



#16
Anthracene
Concen: 7.436 ng/ul
RT: 17.35 min Scan# 2427
Delta R.T. -0.10 min
Lab File: BG046403.D
Acq: 21 Aug 2020 8:00

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	13.2	19.8
176	19.4	15.2	22.8

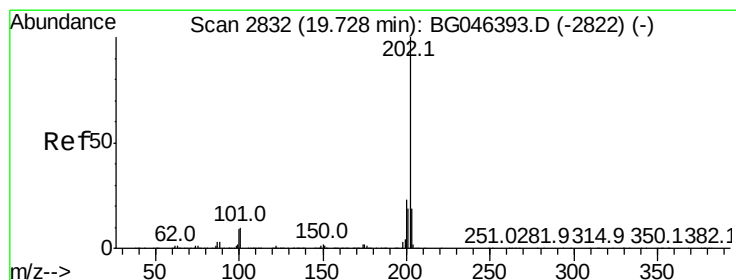
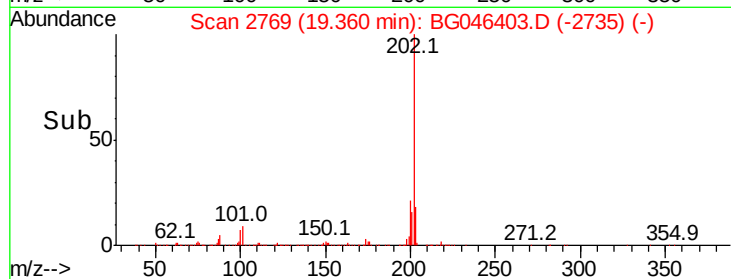
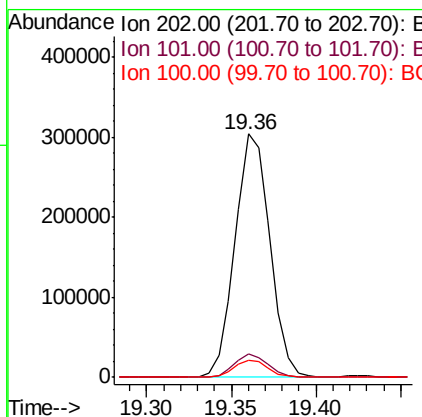
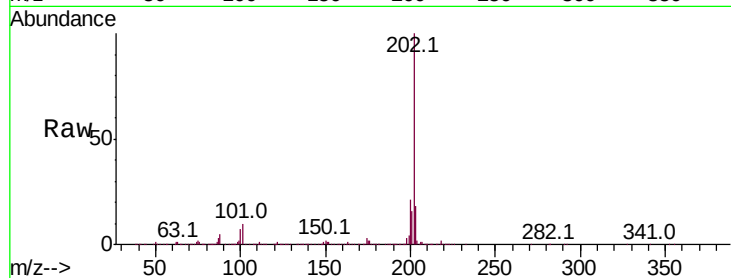




#17
 Fluoranthene
 Concen: 15.263 ng/ul
 RT: 19.36 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: BG046403.D
 Acq: 21 Aug 2020 8:00

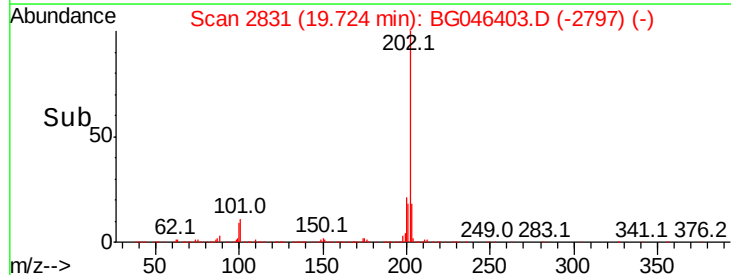
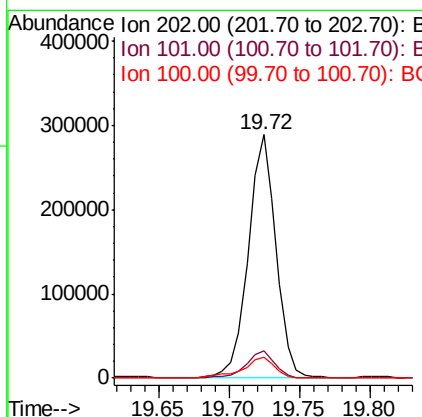
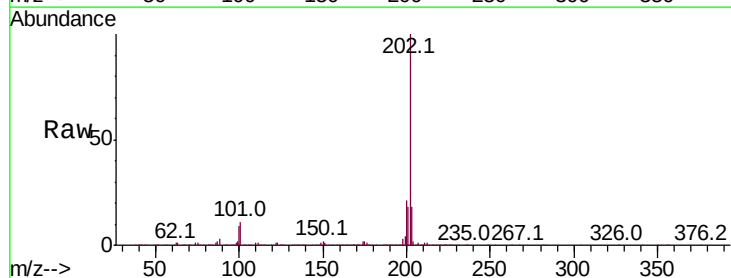
Instrument :
 BNA_G
 ClientSampleId :

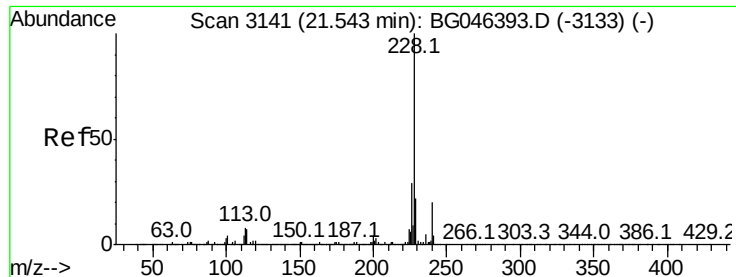
Tot Ion:	202	Resp:	436605
Ion Ratio	Lower	Upper	
202	100		
101	9.6	7.8	11.6
100	6.9	5.9	8.9



#20
 Pyrene
 Concen: 12.519 ng/ul
 RT: 19.72 min Scan# 2831
 Delta R.T. -0.00 min
 Lab File: BG046403.D
 Acq: 21 Aug 2020 8:00

Tgt Ion:	202	Resp:	396507
Ion Ratio	Lower	Upper	
202	100		
101	11.0	8.9	13.3
100	8.7	7.9	11.9





#21

Benzo(a)anthracene

Concen: 6.275 ng/ul

RT: 21.54 min Scan# 3140

Delta R.T. -0.00 min

Lab File: BG046403.D

Acq: 21 Aug 2020 8:00

Instrument :

BNA_G

ClientSampleId :

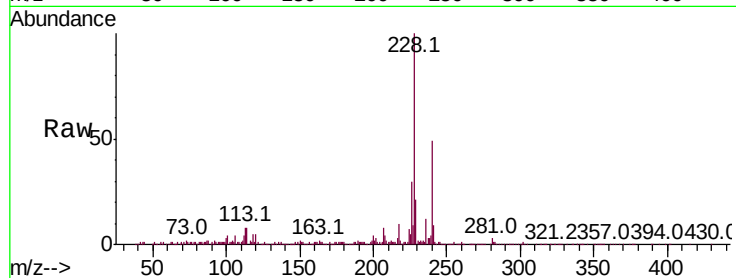
Tot Ion:228 Resp: 196987

Ion	Ratio	Lower	Upper
228	100		
229	21.3	16.6	25.0
226	30.4	22.6	33.8

228 100

229 21.3 16.6 25.0

226 30.4 22.6 33.8

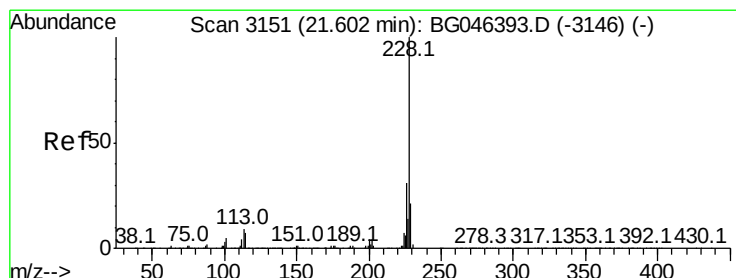
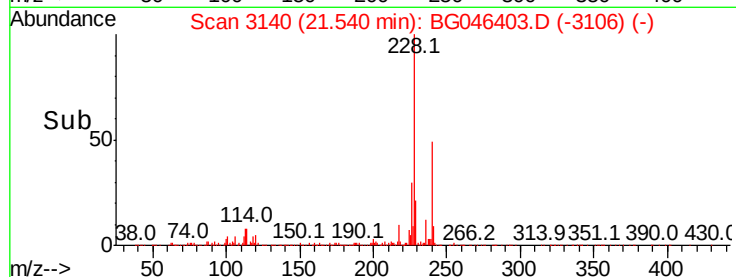
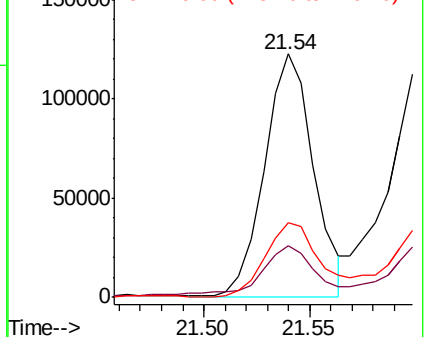


Abundance

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: 7.544 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG046403.D

Acq: 21 Aug 2020 8:00

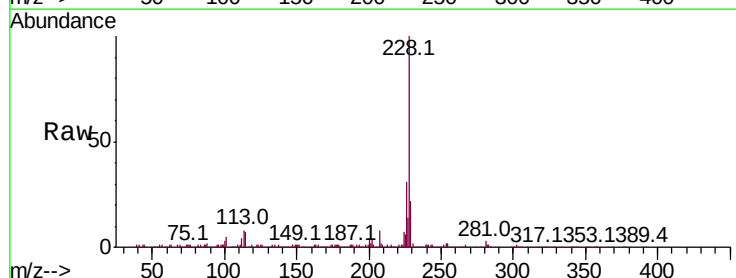
Tgt Ion:228 Resp: 228951

Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.5	38.3
229	21.9	17.0	25.4

228 100

226 31.3 25.5 38.3

229 21.9 17.0 25.4

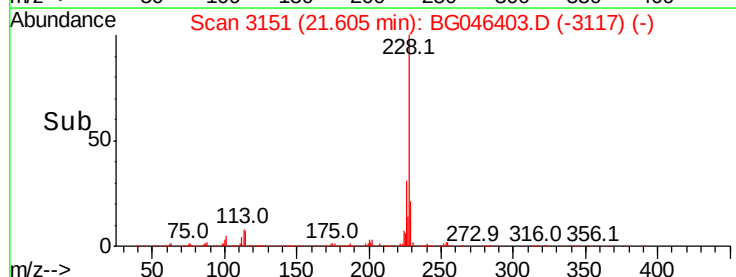
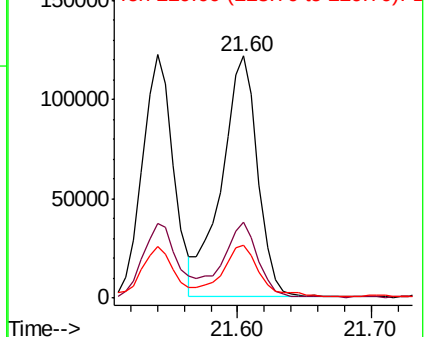


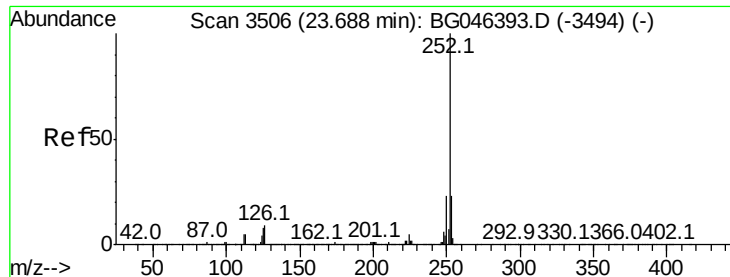
Abundance

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: 8.951 ng/ul

RT: 23.68 min Scan# 3505

Delta R.T. -0.00 min

Lab File: BG046403.D

Acq: 21 Aug 2020 8:00

Instrument :

BNA_G

ClientSampleId :

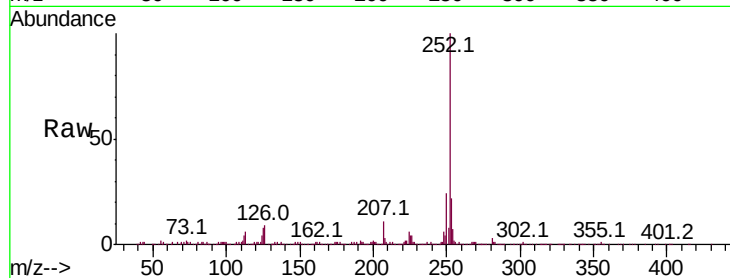
Tot Ion:252 Resp: 310191

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

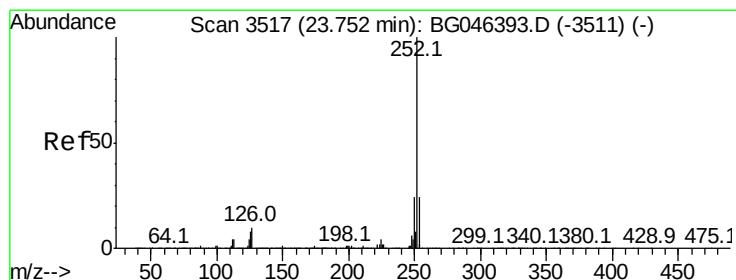
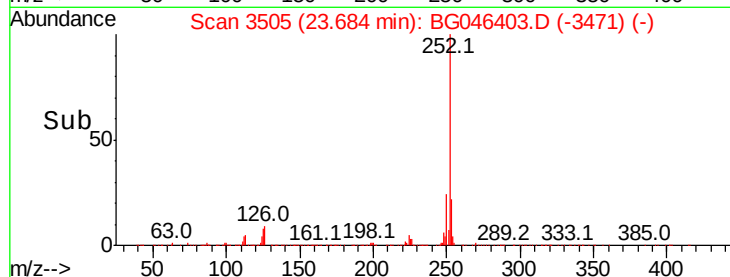
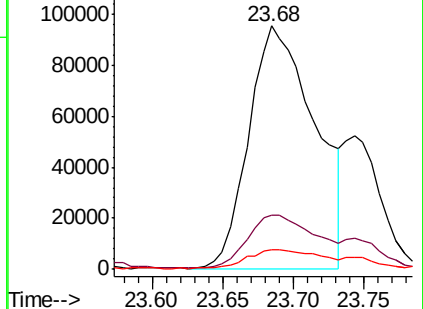
125 8.3 6.4 9.6



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: 9.024 ng/ul

RT: 23.68 min Scan# 3505

Delta R.T. -0.07 min

Lab File: BG046403.D

Acq: 21 Aug 2020 8:00

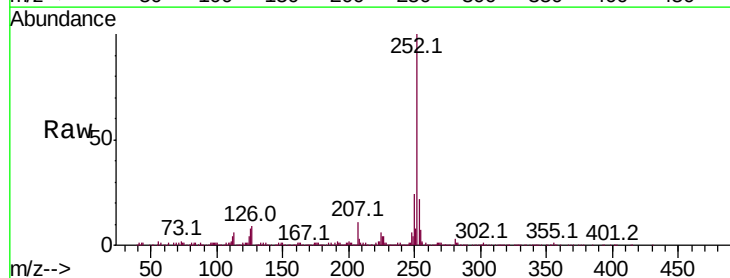
Tgt Ion:252 Resp: 310191

Ion Ratio Lower Upper

252 100

253 22.4 18.5 27.7

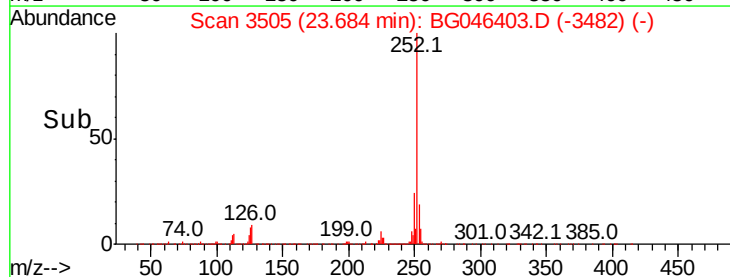
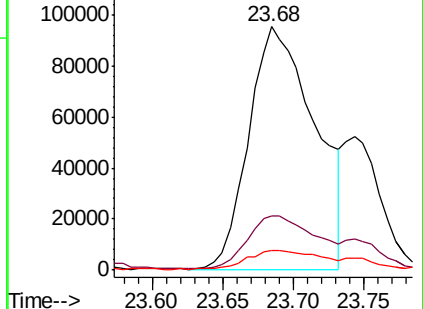
125 8.3 6.2 9.2

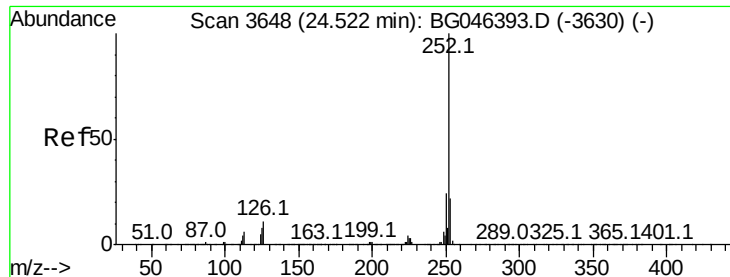


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

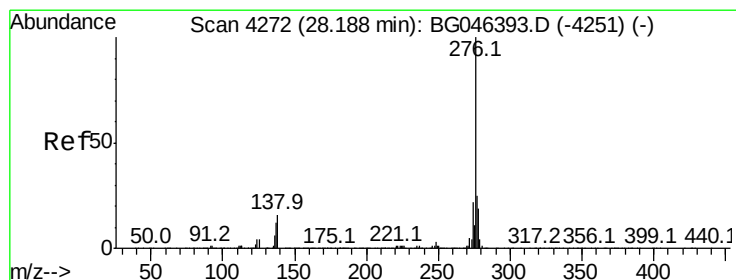
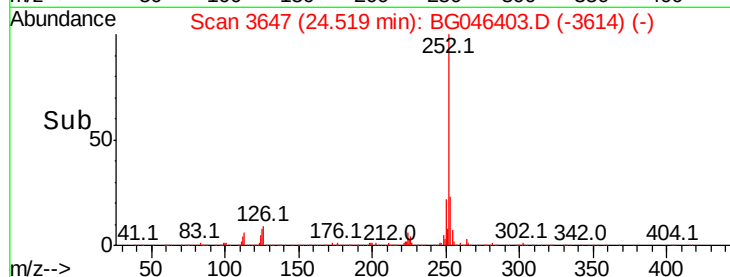
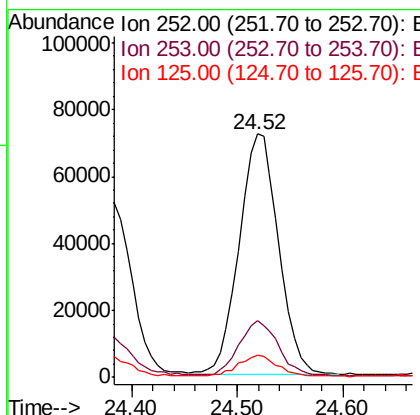
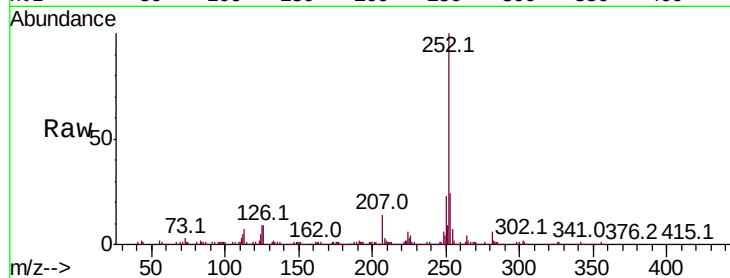




#27
Benzo(a)pyrene
Concen: 5.840 ng/ul
RT: 24.52 min Scan# 3647
Delta R.T. -0.01 min
Lab File: BG046403.D
Acq: 21 Aug 2020 8:00

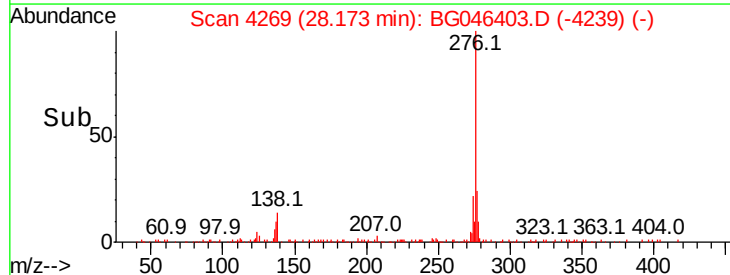
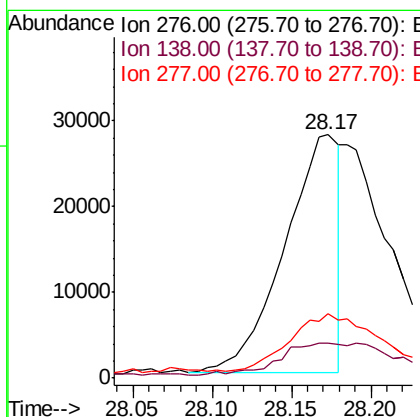
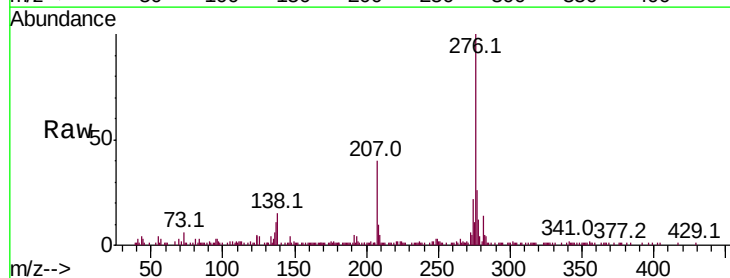
Instrument :
BNA_G
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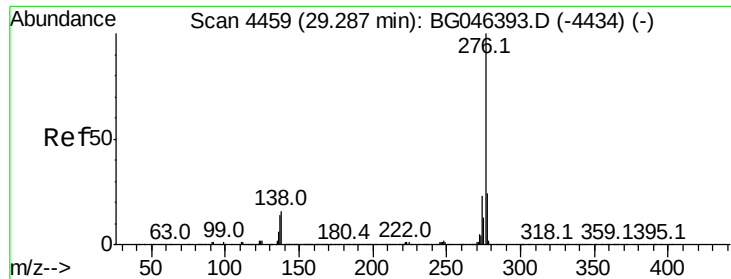
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	8.9	7.1	10.7



#28
Indeno(1,2,3-cd)pyrene
Concen: 1.668 ng/ul
RT: 28.17 min Scan# 4269
Delta R.T. -0.03 min
Lab File: BG046403.D
Acq: 21 Aug 2020 8:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.5	13.2	19.8
277	26.3	19.9	29.9





#30

Benzo(a,h,i)perylene

Concen: 3.152 ng/ul

RT: 29.27 min Scan# 4456

Delta R.T. -0.01 min

Lab File: BG046403.D

Acq: 21 Aug 2020 8:00

Instrument :

BNA_G

ClientSampleId :

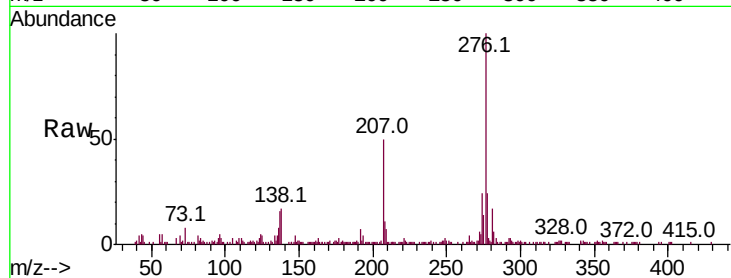
Tot Ion: 276 Resp: 105084

Ion Ratio Lower Upper

276 100

138 17.4 12.9 19.3

277 24.0 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

