

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046401.D
 Acq On : 21 Aug 2020 6:40
 Operator : CG/JU
 Sample : L3635-05
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMH1

Quant Time: Aug 21 07:16:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 21 04:43:40 2020
 Response via : Initial Calibration

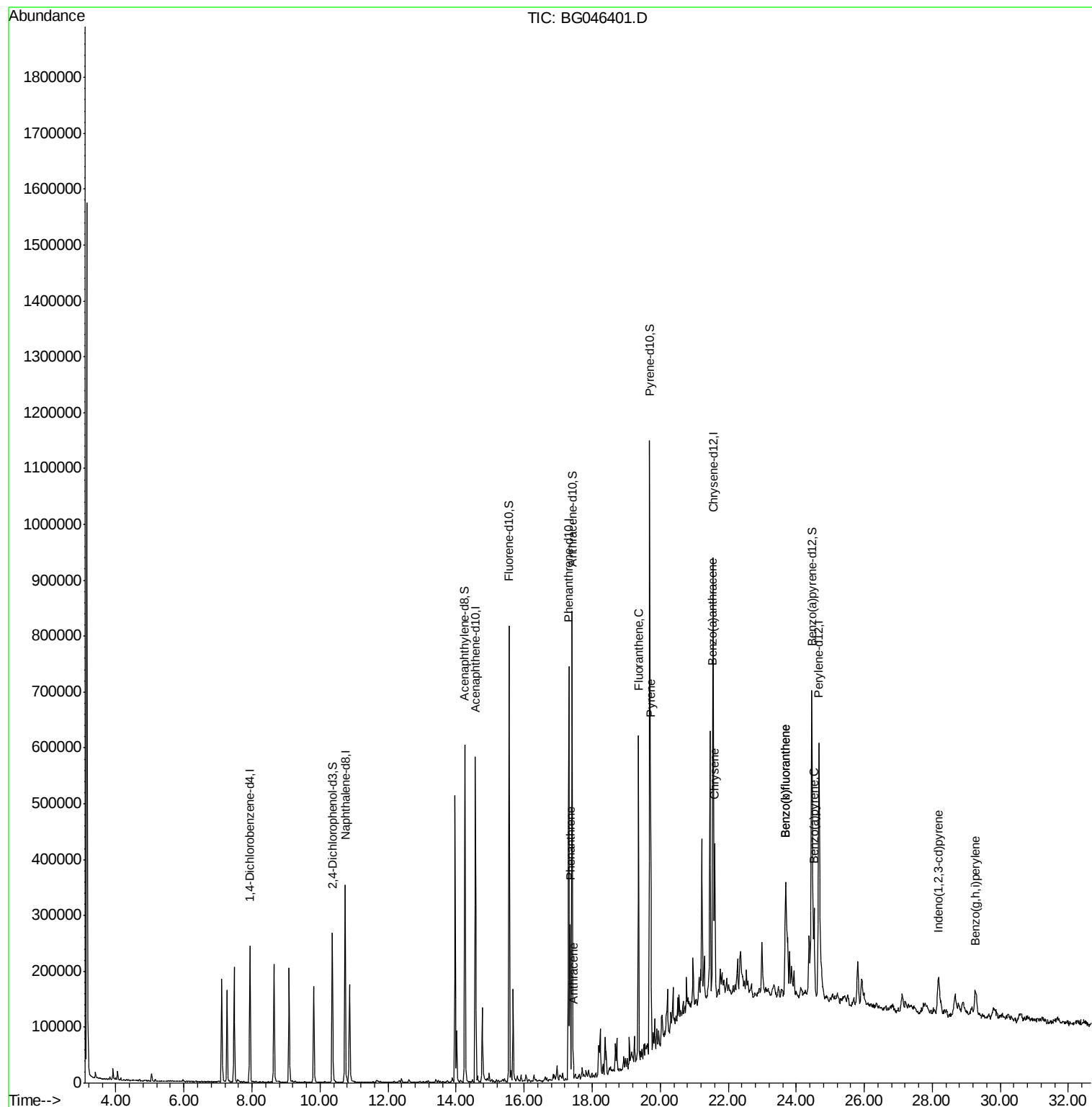
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	76087	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	318052	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	211806	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	468533	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	462025	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	503641	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	118333	21.61	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	457548	23.47	ng/ul	0.00
10) Fluorene-d10	15.56	176	359061	24.04	ng/ul	0.00
15) Anthracene-d10	17.41	188	517123	23.81	ng/ul	0.00
19) Pyrene-d10	19.69	212	584752	24.59	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	618144	22.49	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.35	178	181315	7.034	ng/ul	98
16) Anthracene	17.44	178	27347	1.052	ng/ul	98
17) Fluoranthene	19.36	202	357845	12.451	ng/ul	98
20) Pyrene	19.72	202	324670	10.705	ng/ul	98
21) Benzo(a)anthracene	21.54	228	170560	5.674	ng/ul	99
22) Chrysene	21.60	228	194156	6.681	ng/ul	97
24) Benzo(b)fluoranthene	23.69	252	263143	7.901	ng/ul	99
25) Benzo(k)fluoranthene	23.69	252	263143	7.965	ng/ul	99
27) Benzo(a)pyrene	24.52	252	167882	5.491	ng/ul	100
28) Indeno(1,2,3-cd)pyrene	28.18	276	117776	3.076	ng/ul	97
30) Benzo(g,h,i)perylene	29.27	276	93608	2.922	ng/ul	98

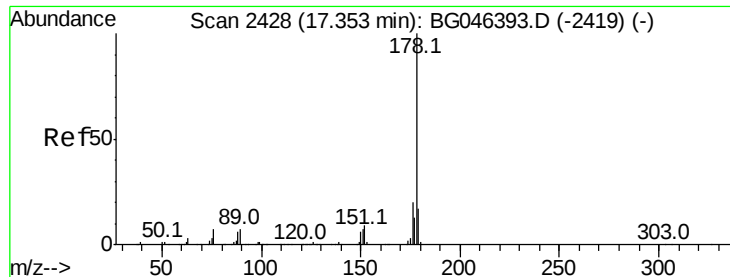
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Phenanthrene

Concen: 7.034 ng/ul

RT: 17.35 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BG046401.D

Acq: 21 Aug 2020 6:40

Instrument :

BNA_G

ClientSampleId :

BFMH1

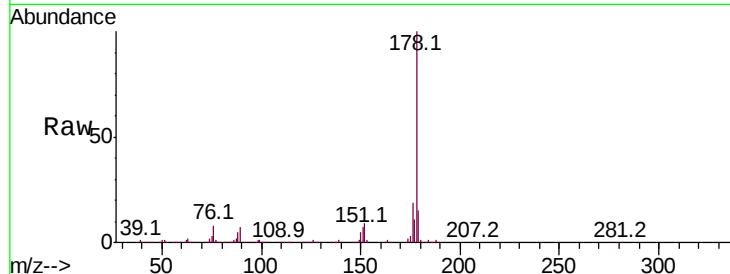
Tot Ion:178 Resp: 181315

Ion Ratio Lower Upper

178 100

179 15.3 12.8 19.2

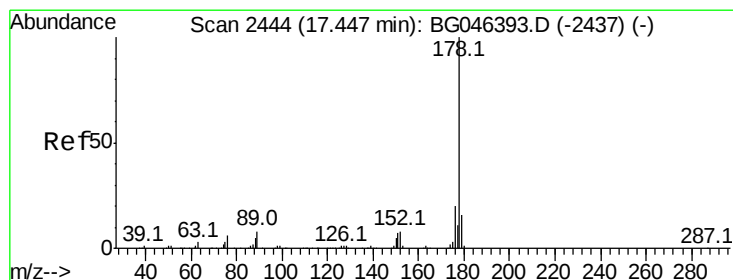
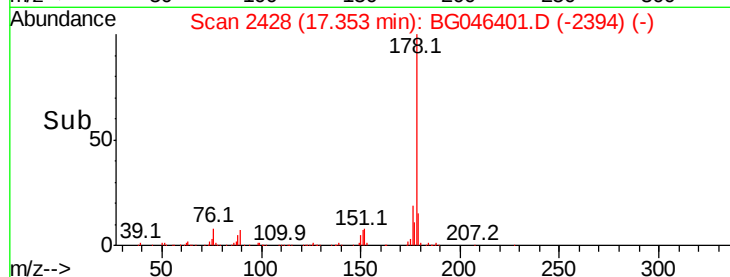
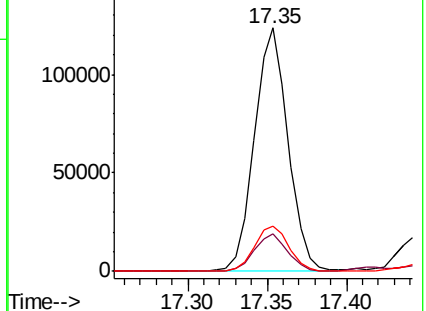
176 18.6 15.8 23.8



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: 1.052 ng/ul

RT: 17.44 min Scan# 2443

Delta R.T. -0.01 min

Lab File: BG046401.D

Acq: 21 Aug 2020 6:40

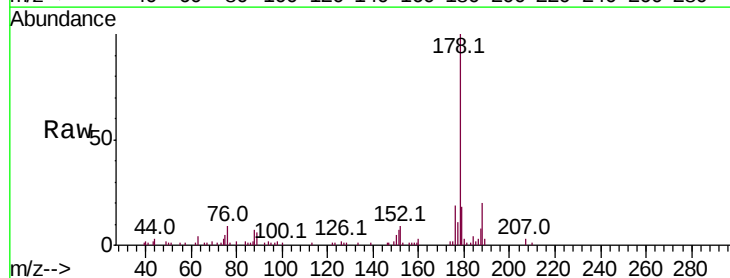
Tgt Ion:178 Resp: 27347

Ion Ratio Lower Upper

178 100

179 18.1 13.2 19.8

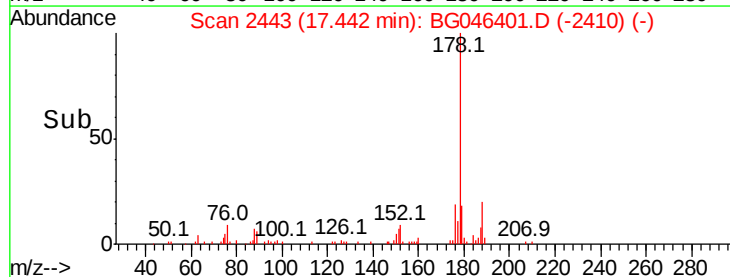
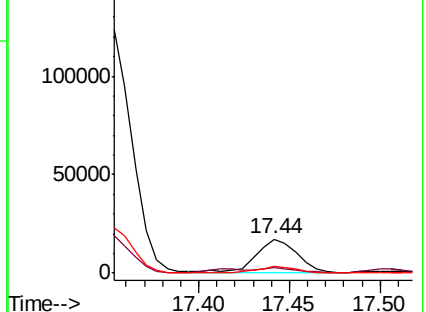
176 19.5 15.2 22.8

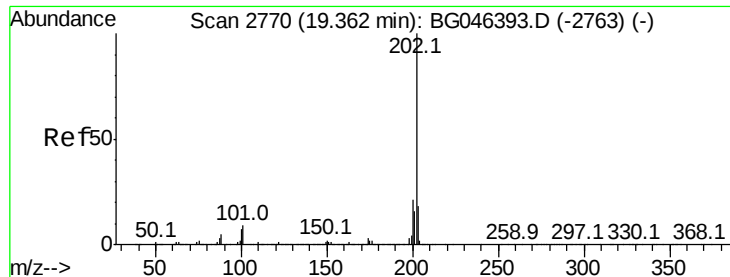


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

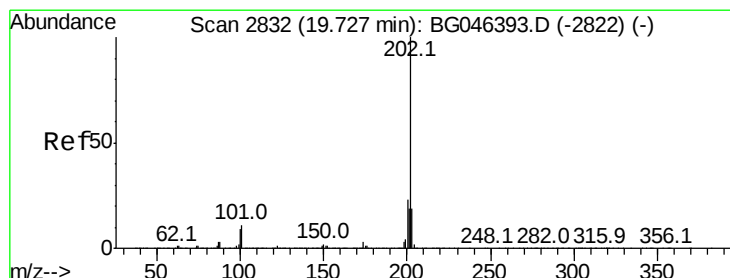
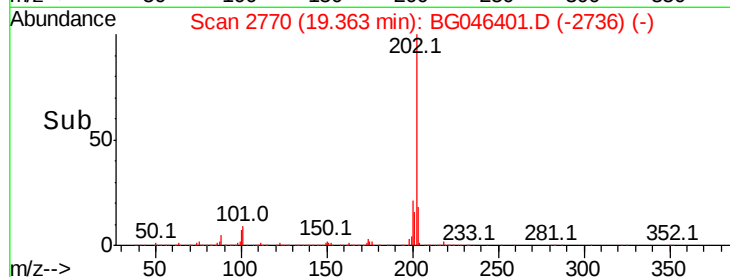
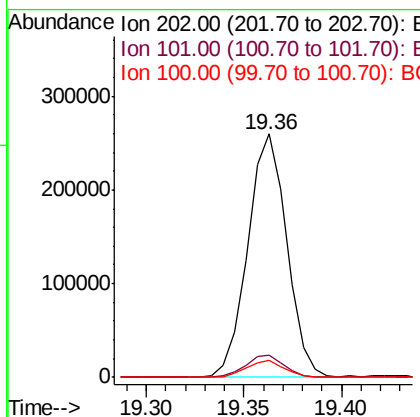
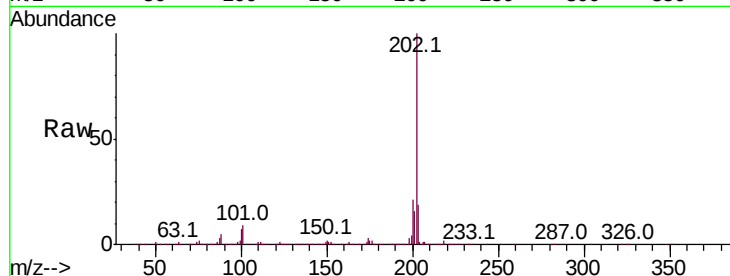




#17
 Fluoranthene
 Concen: 12.451 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: BG046401.D
 Acq: 21 Aug 2020 6:40

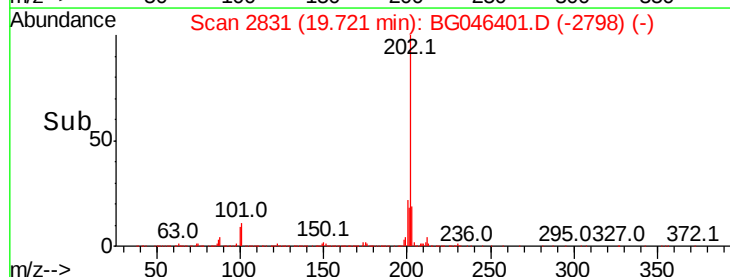
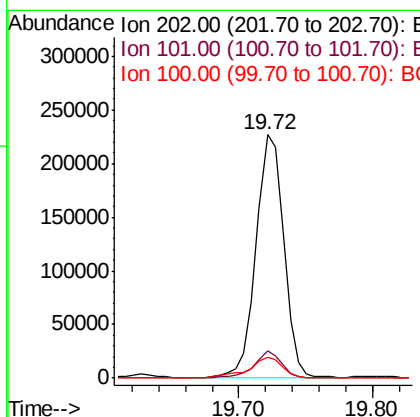
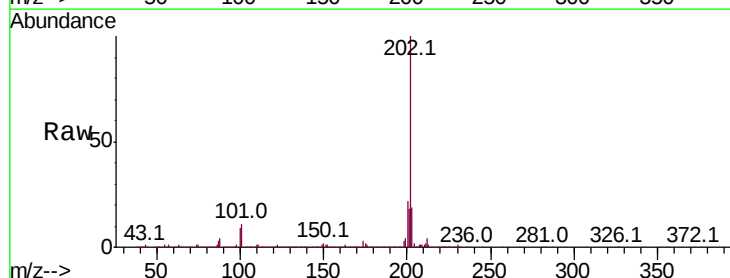
Instrument :
 BNA_G
 ClientSampleId :
 BFMH1

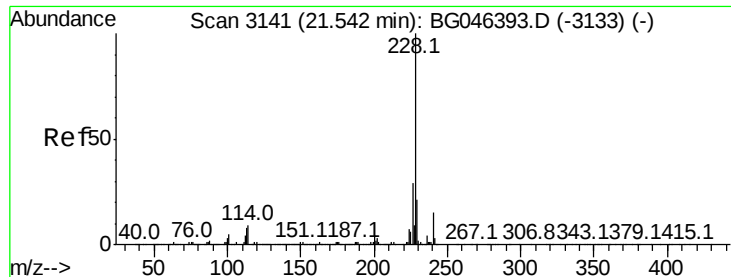
Tot Ion:	202	Resp:	357845
Ion	Ratio	Lower	Upper
202	100		
101	8.9	7.8	11.6
100	6.9	5.9	8.9



#20
 Pyrene
 Concen: 10.705 ng/ul
 RT: 19.72 min Scan# 2831
 Delta R.T. -0.01 min
 Lab File: BG046401.D
 Acq: 21 Aug 2020 6:40

Tgt Ion:	202	Resp:	324670
Ion	Ratio	Lower	Upper
202	100		
101	11.2	8.9	13.3
100	8.8	7.9	11.9

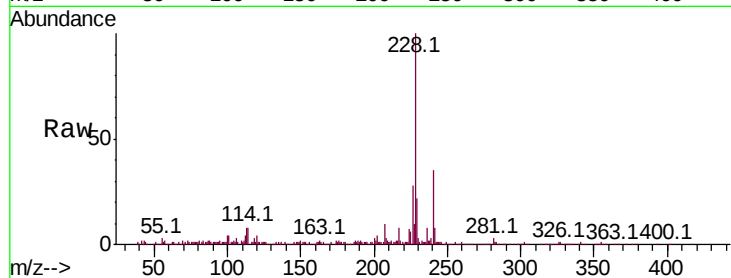




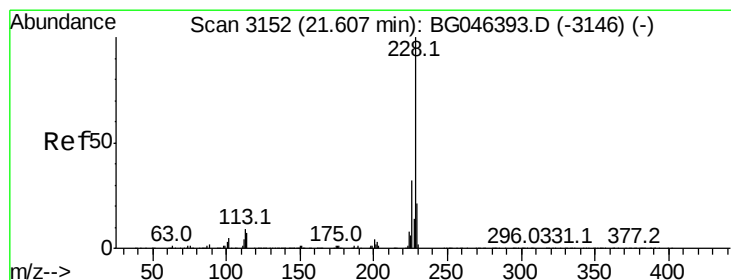
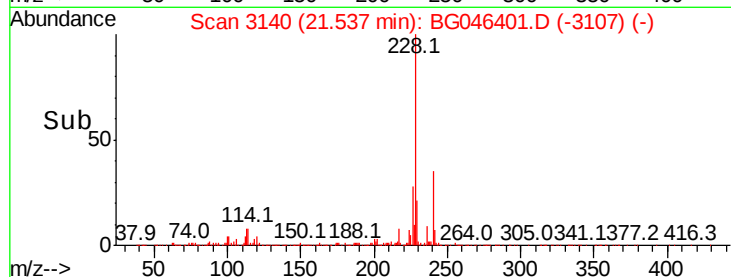
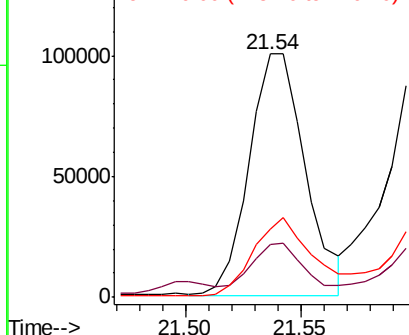
#21
Benzo(a)anthracene
Concen: 5.674 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BG046401.D
Acq: 21 Aug 2020 6:40

Instrument :
BNA_G
ClientSampleId :
BFMH1

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.7	16.6	25.0
226	28.3	22.6	33.8

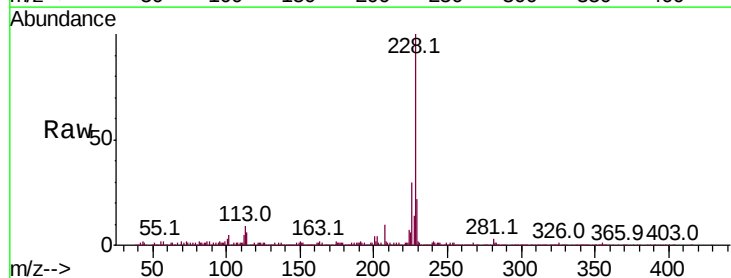


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

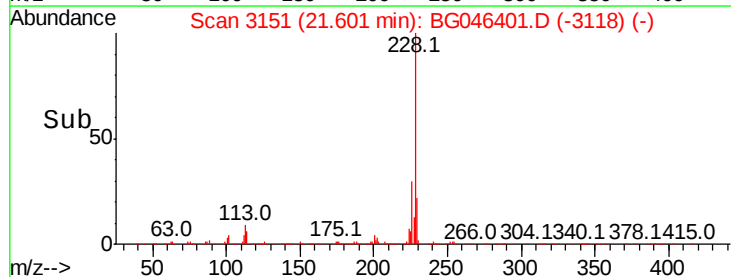
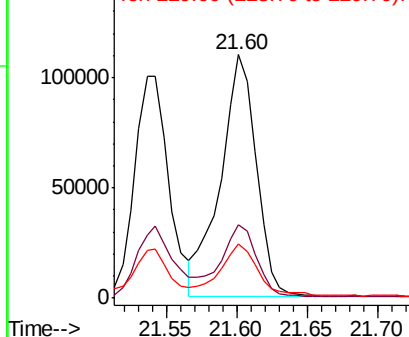


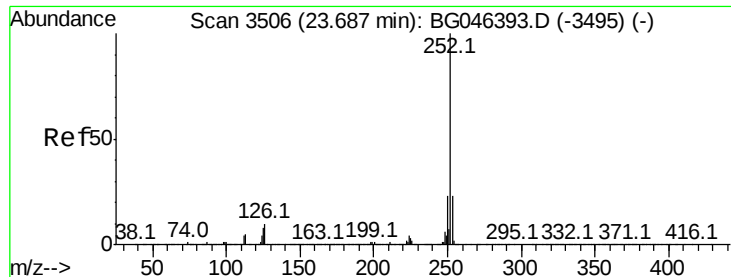
#22
Chrysene
Concen: 6.681 ng/ul
RT: 21.60 min Scan# 3151
Delta R.T. -0.01 min
Lab File: BG046401.D
Acq: 21 Aug 2020 6:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.5	38.3
229	22.5	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: 7.901 ng/ul

RT: 23.69 min Scan# 3506

Delta R.T. 0.00 min

Lab File: BG046401.D

Acq: 21 Aug 2020 6:40

Instrument :

BNA_G

ClientSampleId :

BFMH1

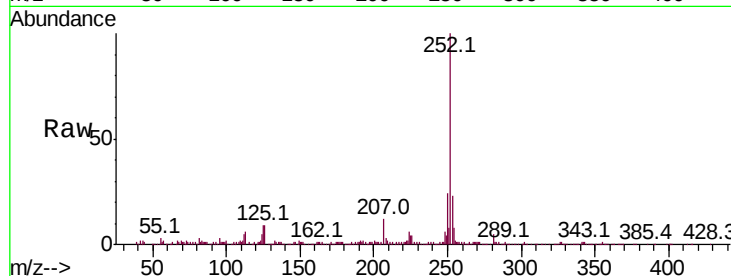
Tot Ion:252 Resp: 263143

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

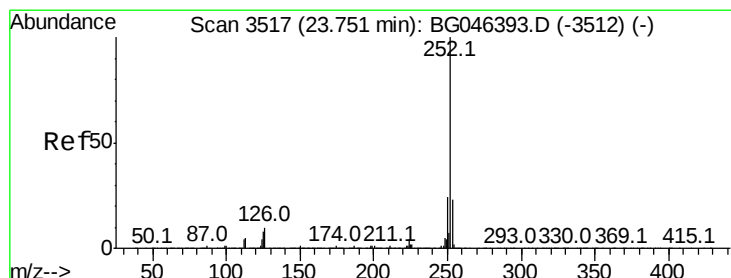
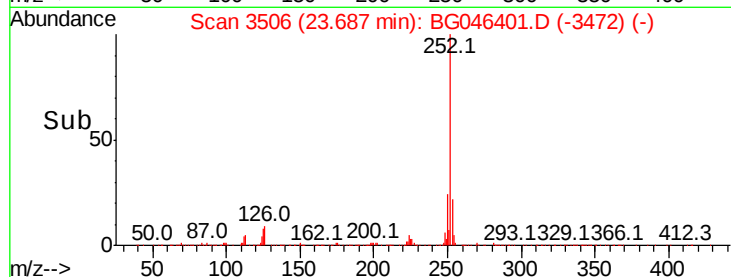
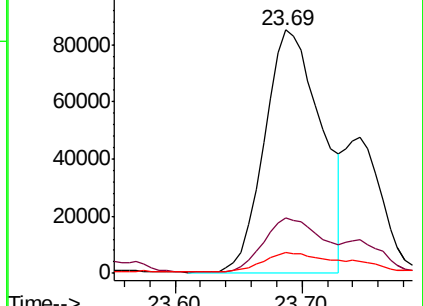
125 8.7 6.4 9.6



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: 7.965 ng/ul

RT: 23.69 min Scan# 3506

Delta R.T. -0.06 min

Lab File: BG046401.D

Acq: 21 Aug 2020 6:40

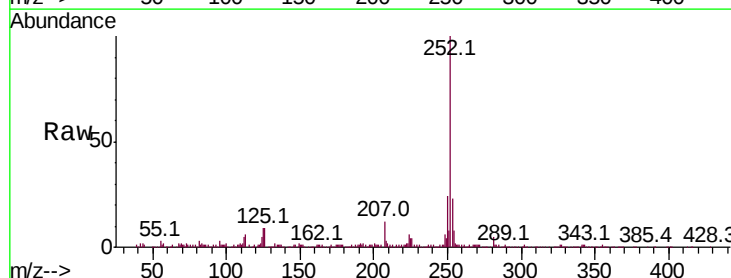
Tgt Ion:252 Resp: 263143

Ion Ratio Lower Upper

252 100

253 22.6 18.5 27.7

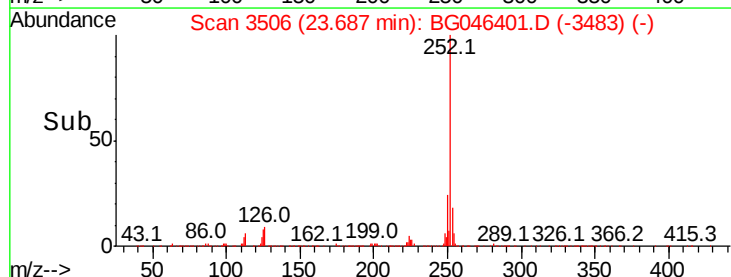
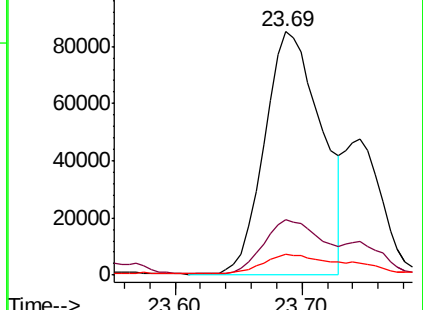
125 8.7 6.2 9.2

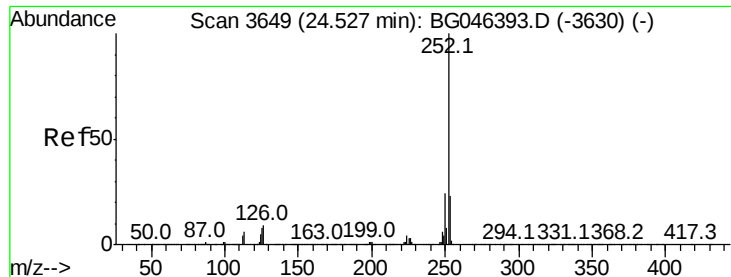


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 5.491 ng/ul

RT: 24.52 min Scan# 3648

Delta R.T. -0.01 min

Lab File: BG046401.D

Acq: 21 Aug 2020 6:40

Instrument :

BNA_G

ClientSampleId :

BFMH1

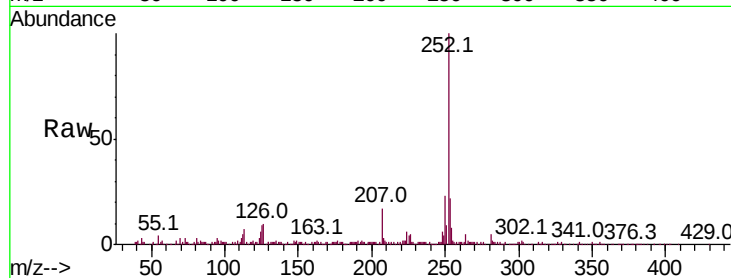
Tot Ion:252 Resp: 167882

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	9.1	7.1	10.7

252 100

253 22.2 17.8 26.8

125 9.1 7.1 10.7

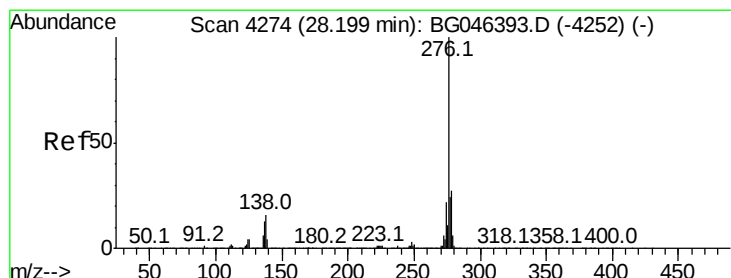
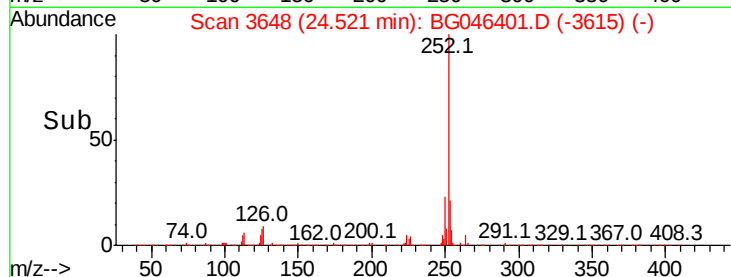
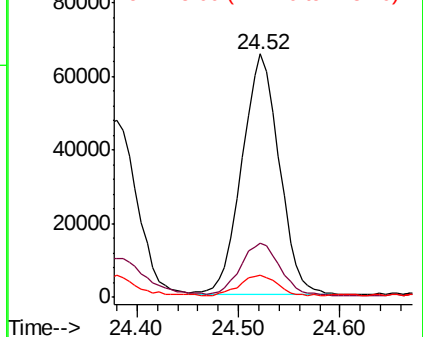


Abundance

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



#28

Indeno(1,2,3-cd)pyrene

Concen: 3.076 ng/ul

RT: 28.18 min Scan# 4271

Delta R.T. -0.02 min

Lab File: BG046401.D

Acq: 21 Aug 2020 6:40

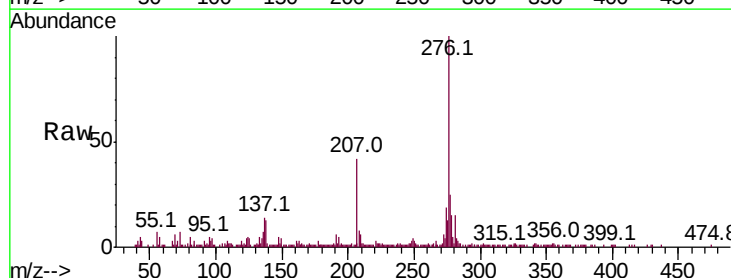
Tgt Ion:276 Resp: 117776

Ion	Ratio	Lower	Upper
276	100		
138	13.5	13.2	19.8
277	25.0	19.9	29.9

276 100

138 13.5 13.2 19.8

277 25.0 19.9 29.9

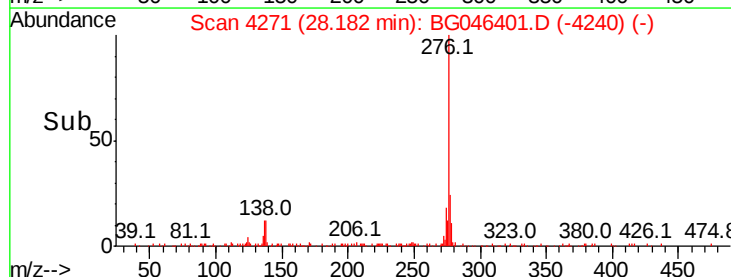
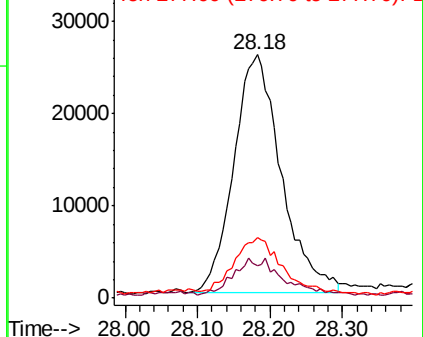


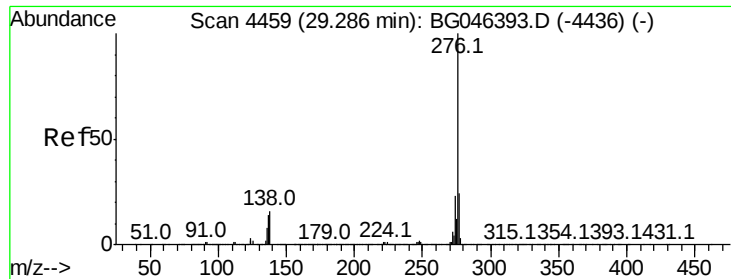
Abundance

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(a,h,i)perylene

Concen: 2.922 ng/ul

RT: 29.27 min Scan# 4456

Delta R.T. -0.02 min

Lab File: BG046401.D

Acq: 21 Aug 2020 6:40

Instrument :

BNA_G

ClientSampleId :

BFMH1

Tot Ion: 276 Resp: 93608

Ion Ratio Lower Upper

276 100

138 16.3 12.9 19.3

277 23.0 19.4 29.0

