

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046364.D
 Acq On : 20 Aug 2020 4:08
 Operator : CG/JU
 Sample : L3633-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMA4

Quant Time: Aug 20 05:08:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 20 04:05:44 2020
 Response via : Initial Calibration

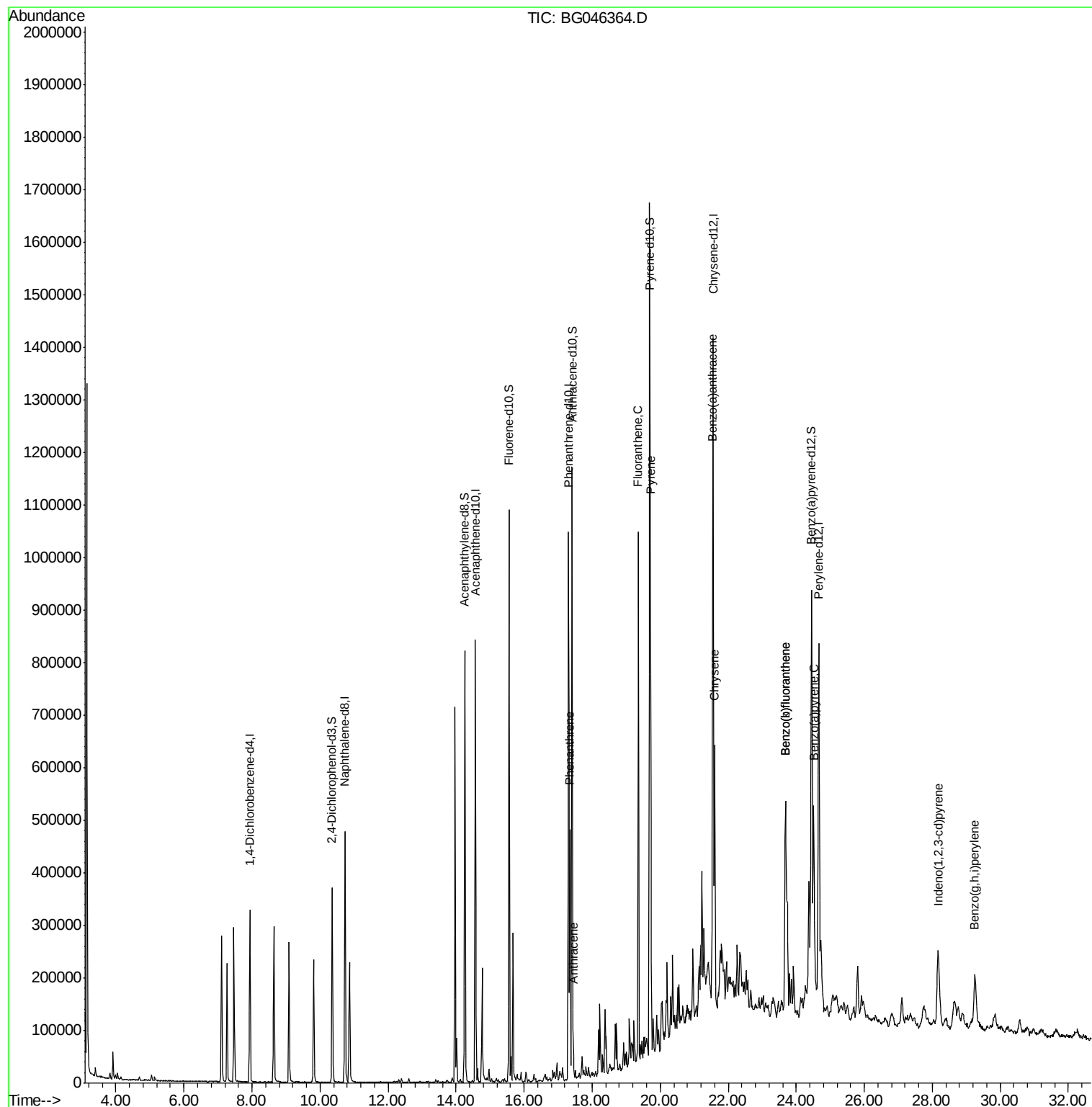
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	105099	20.00	ng/ul	0.00
2) Naphthalene-d8	10.73	136	438302	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	300476	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	681482	20.00	ng/ul	0.00
18) Chrysene-d12	21.55	240	681691	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	723575	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	165958	21.99	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	625328	22.61	ng/ul	0.00
10) Fluorene-d10	15.56	176	478750	22.59	ng/ul	0.00
15) Anthracene-d10	17.41	188	700665	22.18	ng/ul	0.00
19) Pyrene-d10	19.69	212	826787	23.56	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	922828	23.37	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.35	178	321747	8.582	ng/ul	99
16) Anthracene	17.44	178	60322	1.595	ng/ul	96
17) Fluoranthene	19.36	202	642124	15.360	ng/ul	98
20) Pyrene	19.72	202	609232	13.615	ng/ul	98
21) Benzo(a)anthracene	21.54	228	349090	7.871	ng/ul	97
22) Chrysene	21.60	228	370887	8.650	ng/ul	97
24) Benzo(b)fluoranthene	23.68	252	530407	11.085	ng/ul	98
25) Benzo(k)fluoranthene	23.68	252	530407	11.175	ng/ul	99
27) Benzo(a)pyrene	24.52	252	366112	8.334	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.17	276	265859	4.833	ng/ul	99
30) Benzo(g,h,i)perylene	29.25	276	90879	1.974	ng/ul	99

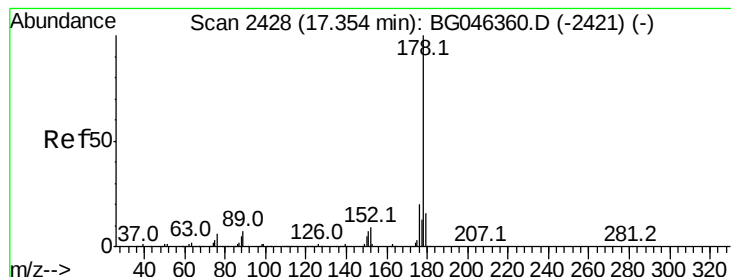
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Phenanthrene

Concen: 8.582 ng/ul

RT: 17.35 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BG046364.D

Acq: 20 Aug 2020 4:08

Instrument :

BNA_G

ClientSampled :

BFMA4

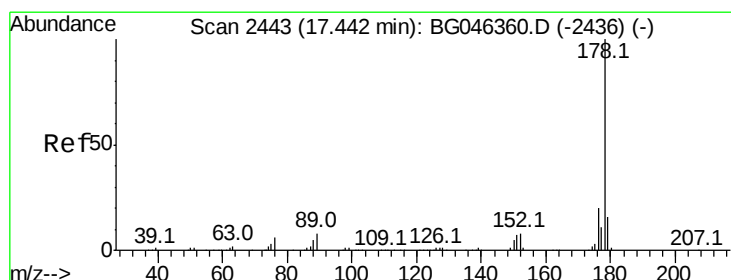
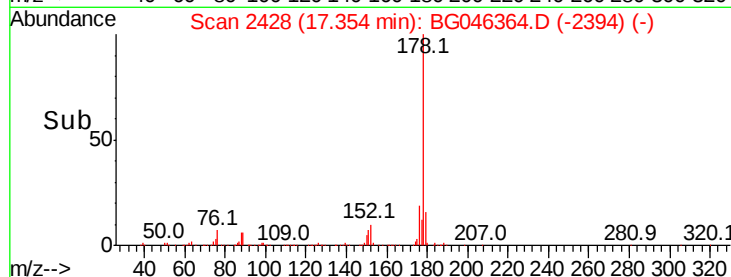
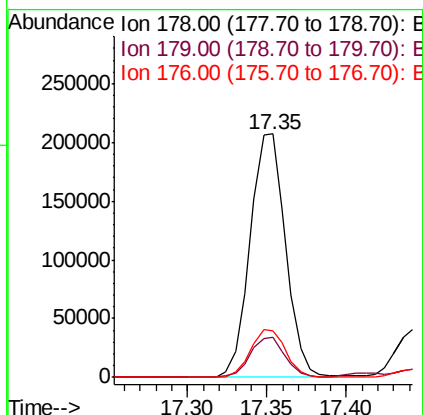
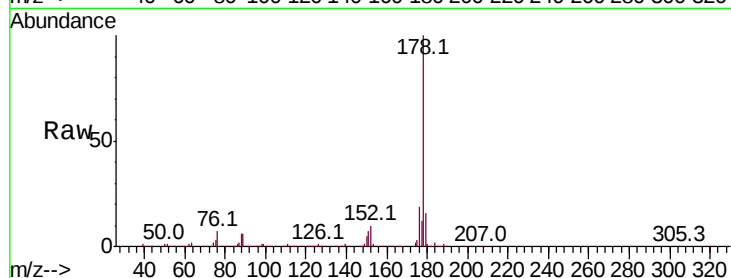
Tot Ion:178 Resp: 321747

Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.8	19.2
176	19.2	15.8	23.8

178 100

179 16.2 12.8 19.2

176 19.2 15.8 23.8



#16

Anthracene

Concen: 1.595 ng/ul

RT: 17.44 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG046364.D

Acq: 20 Aug 2020 4:08

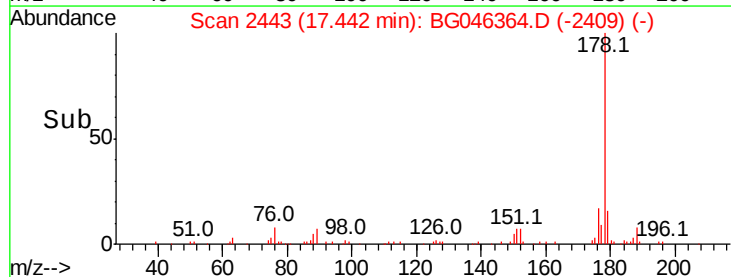
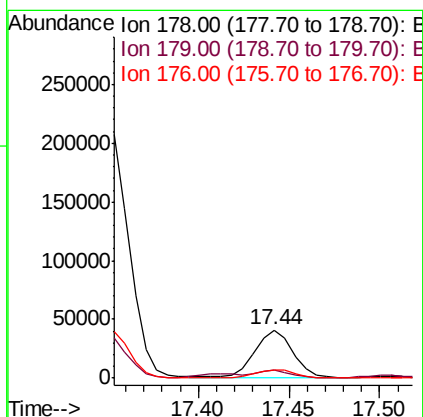
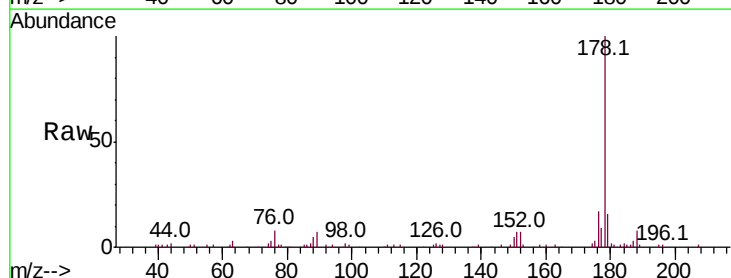
Tgt Ion:178 Resp: 60322

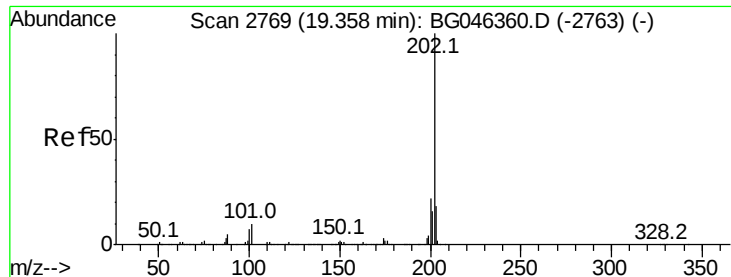
Ion	Ratio	Lower	Upper
178	100		
179	15.6	13.2	19.8
176	16.9	15.2	22.8

178 100

179 15.6 13.2 19.8

176 16.9 15.2 22.8

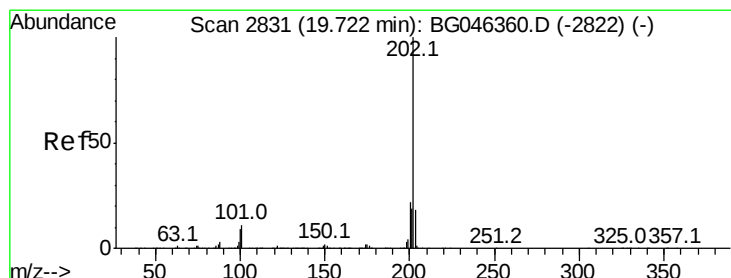
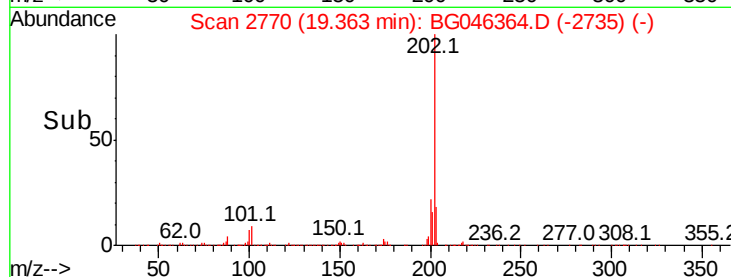
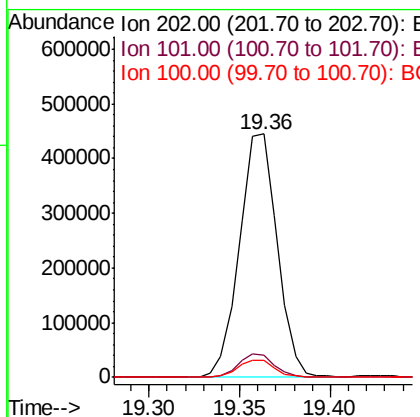
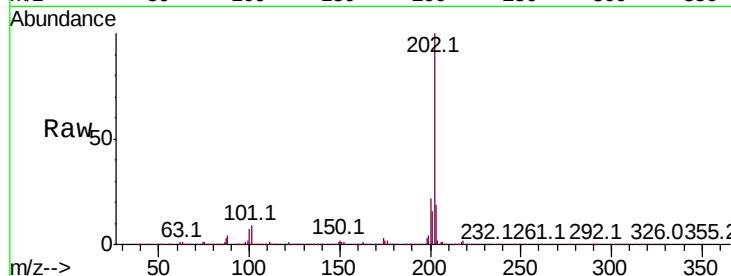




#17
Fluoranthene
 Concen: 15.360 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. 0.01 min
 Lab File: BG046364.D
 Acq: 20 Aug 2020 4:08

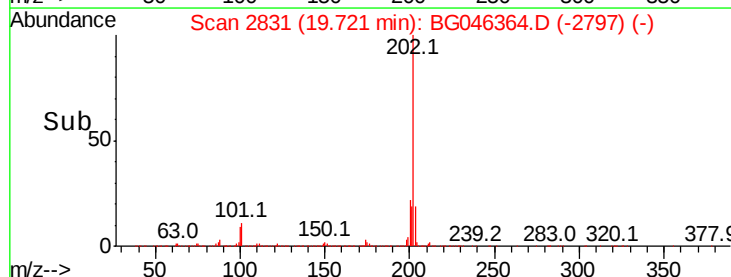
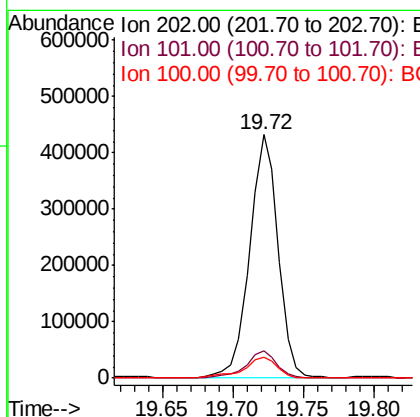
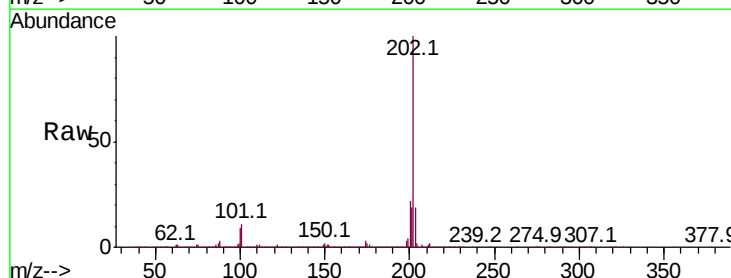
Instrument :
 BNA_G
 ClientSampleId :
 BFMA4

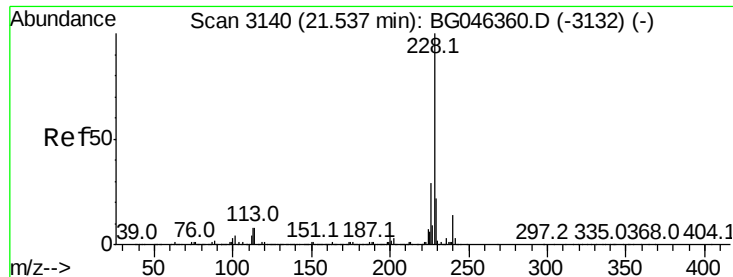
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.8	11.6
100	6.8	5.9	8.9



#20
Pyrene
 Concen: 13.615 ng/ul
 RT: 19.72 min Scan# 2831
 Delta R.T. -0.00 min
 Lab File: BG046364.D
 Acq: 20 Aug 2020 4:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	8.9	13.3
100	8.7	7.9	11.9





#21

Benzo(a)anthracene

Concen: 7.871 ng/ul

RT: 21.54 min Scan# 3140

Delta R.T. -0.00 min

Lab File: BG046364.D

Acq: 20 Aug 2020 4:08

Instrument :

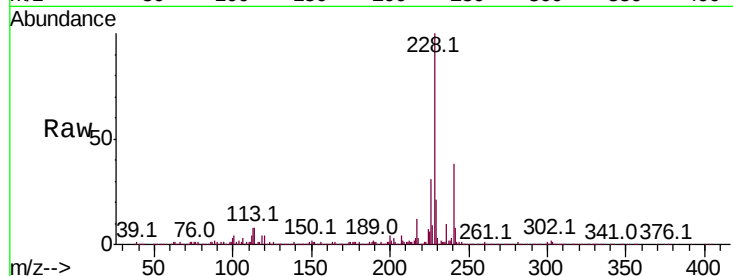
BNA_G

ClientSampleId :

BFMA4

Tot Ion:228 Resp: 349090

Ion	Ratio	Lower	Upper
228	100		
229	21.2	16.6	25.0
226	30.6	22.6	33.8

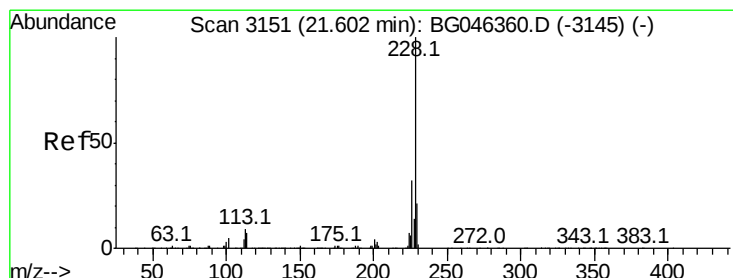
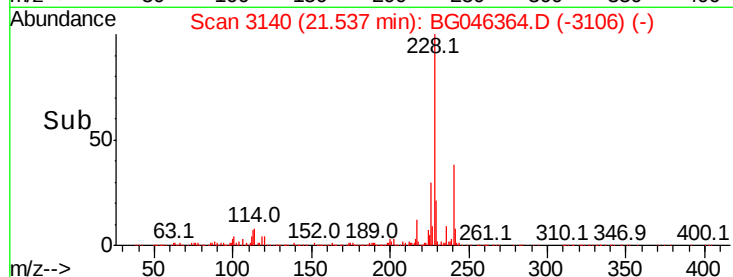
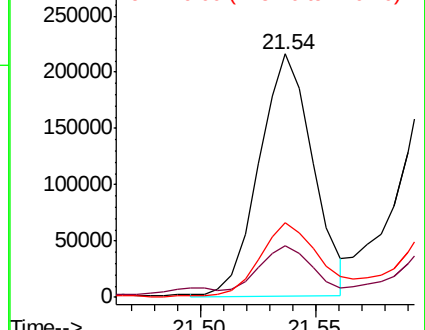


Abundance

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: 8.650 ng/ul

RT: 21.60 min Scan# 3151

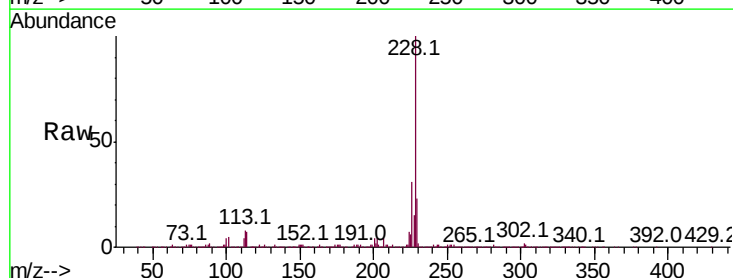
Delta R.T. -0.00 min

Lab File: BG046364.D

Acq: 20 Aug 2020 4:08

Tgt Ion:228 Resp: 370887

Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.5	38.3
229	22.8	17.0	25.4

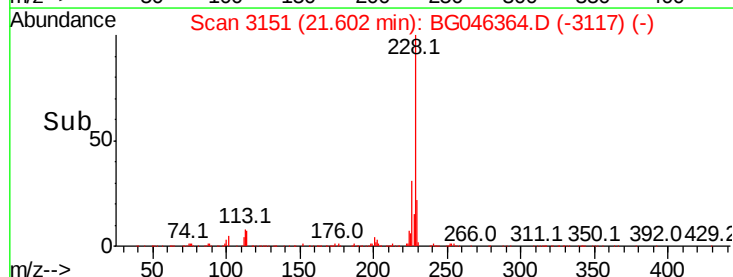
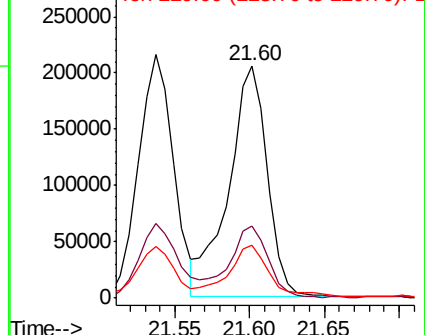


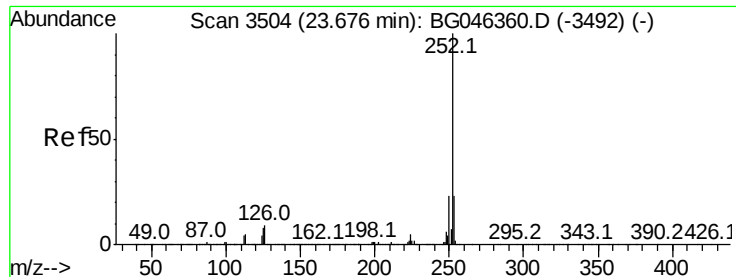
Abundance

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: 11.085 ng/ul

RT: 23.68 min Scan# 3505

Delta R.T. 0.01 min

Lab File: BG046364.D

Acq: 20 Aug 2020 4:08

Instrument :

BNA_G

ClientSampleId :

BFMA4

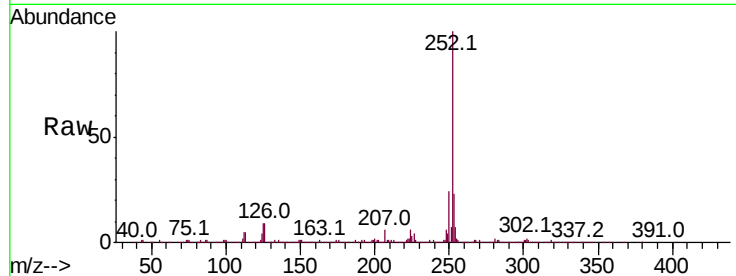
Tot Ion:252 Resp: 530407

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

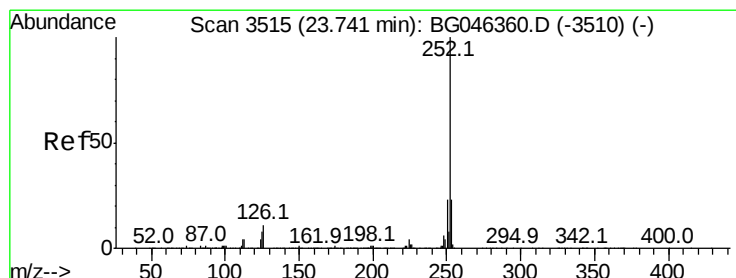
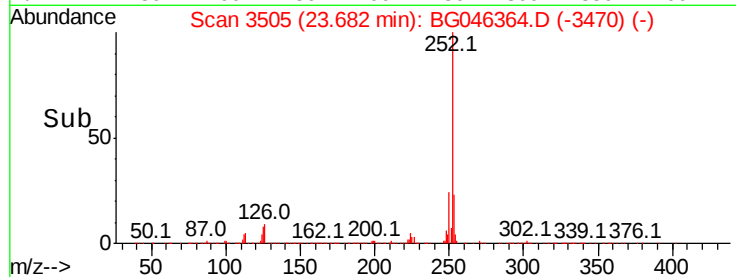
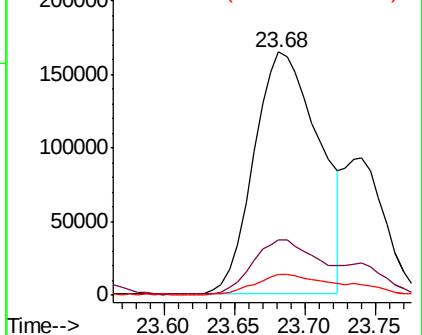
125 8.6 6.4 9.6



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: 11.175 ng/ul

RT: 23.68 min Scan# 3505

Delta R.T. -0.06 min

Lab File: BG046364.D

Acq: 20 Aug 2020 4:08

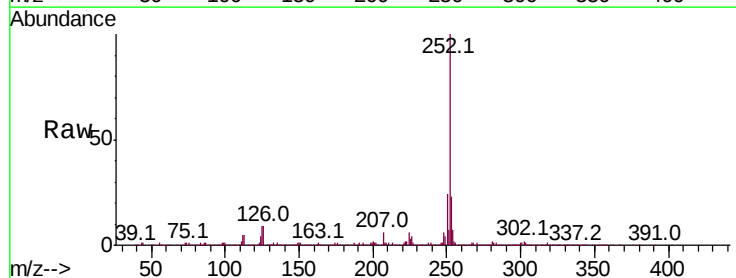
Tgt Ion:252 Resp: 530407

Ion Ratio Lower Upper

252 100

253 23.0 18.5 27.7

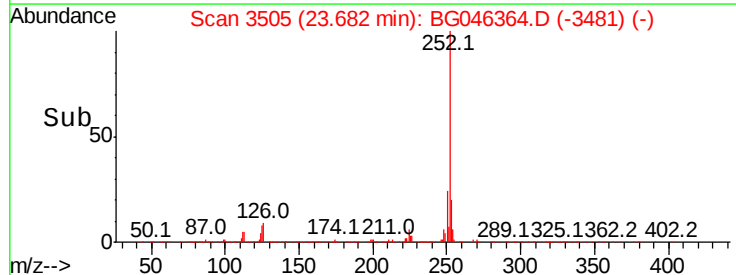
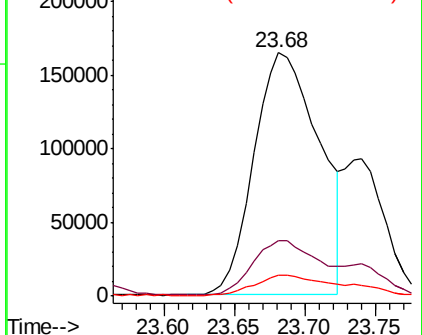
125 8.6 6.2 9.2

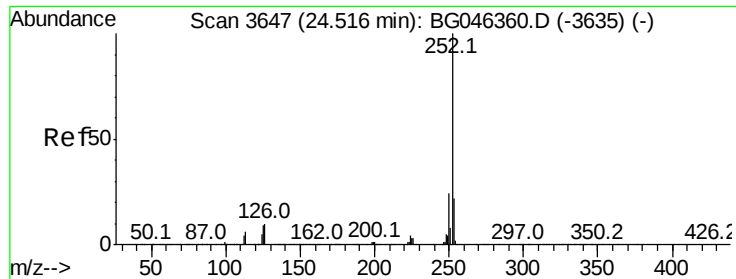


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 8.334 ng/ul

RT: 24.52 min Scan# 3647

Delta R.T. -0.00 min

Lab File: BG046364.D

Acq: 20 Aug 2020 4:08

Instrument :

BNA_G

ClientSampleId :

BFMA4

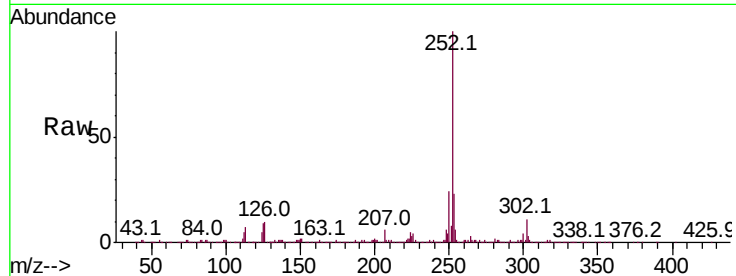
Tot Ion:252 Resp: 366112

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

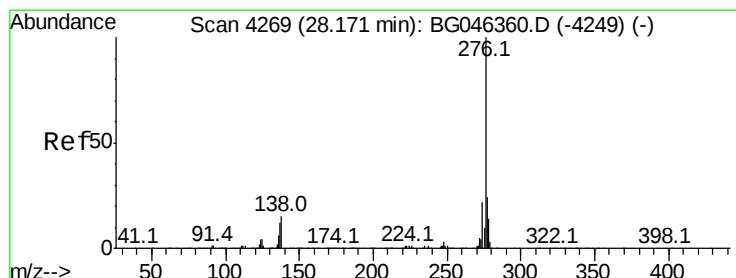
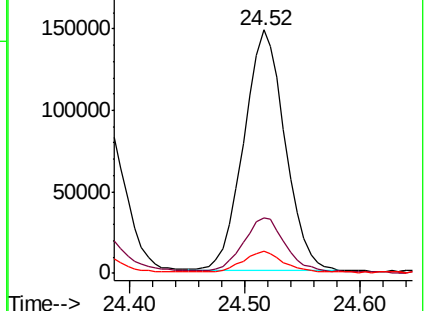
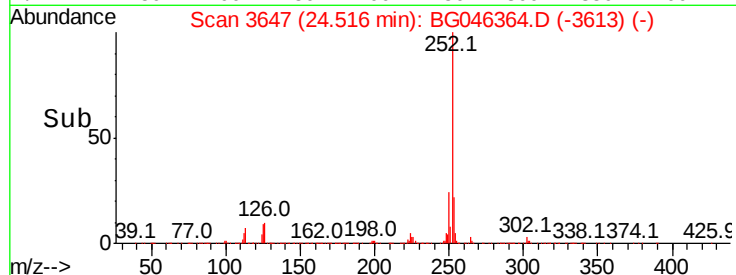
125 9.3 7.1 10.7



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



#28

Indeno(1,2,3-cd)pyrene

Concen: 4.833 ng/ul

RT: 28.17 min Scan# 4269

Delta R.T. -0.00 min

Lab File: BG046364.D

Acq: 20 Aug 2020 4:08

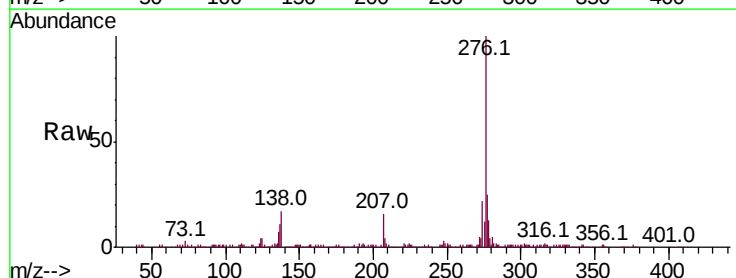
Tgt Ion:276 Resp: 265859

Ion Ratio Lower Upper

276 100

138 17.1 13.2 19.8

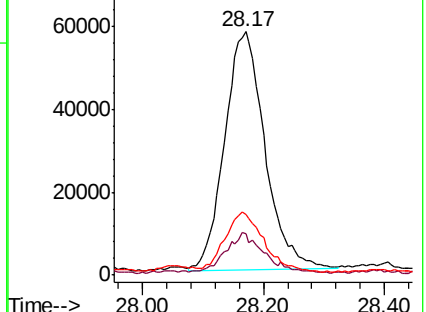
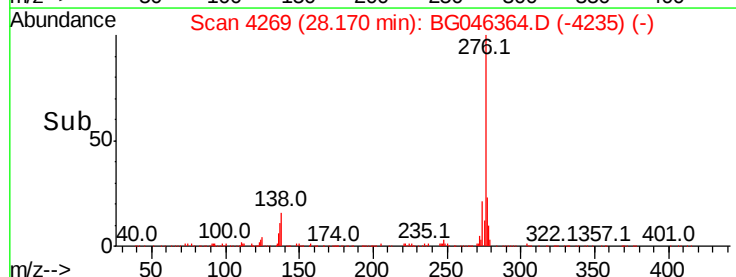
277 25.0 19.9 29.9

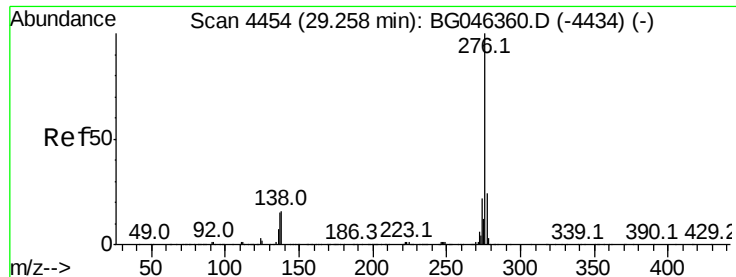


Abundance Ion 276.00 (275.70 to 276.70): E

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: 1.974 ng/ul

RT: 29.25 min Scan# 4452

Delta R.T. -0.01 min

Lab File: BG046364.D

Acq: 20 Aug 2020 4:08

Instrument :

BNA_G

ClientSampleId :

BFMA4

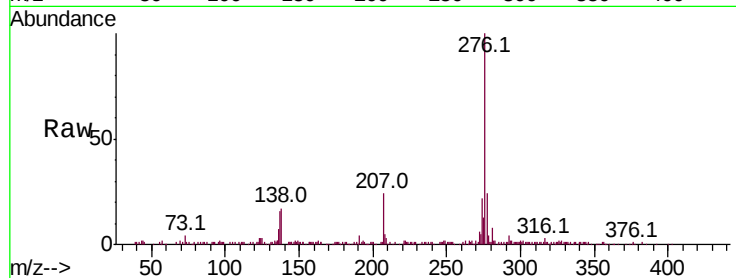
Tot Ion: 276 Resp: 90879

Ion Ratio Lower Upper

276 100

138 17.0 12.9 19.3

277 24.1 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

