

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046402.D
 Acq On : 21 Aug 2020 7:20
 Operator : CG/JU
 Sample : L3635-08
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMH4

Quant Time: Aug 21 08:23:14 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

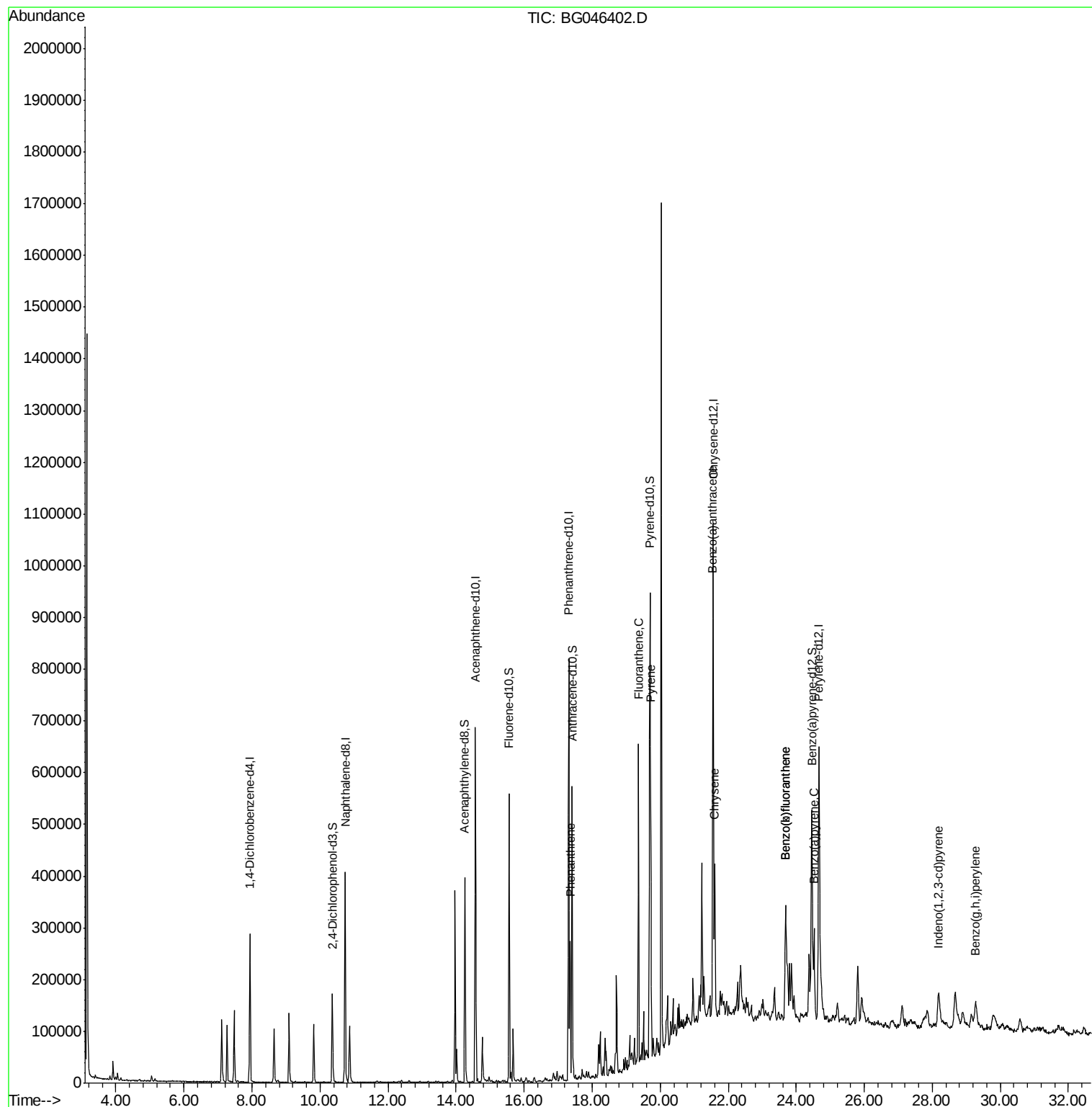
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	89053	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	369339	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	243851	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	538326	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	526931	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	575317	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	77931	12.25	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	307362	13.70	ng/ul	0.00
10) Fluorene-d10	15.56	176	242119	14.08	ng/ul	0.00
15) Anthracene-d10	17.41	188	355357	14.24	ng/ul	0.00
19) Pyrene-d10	19.69	212	428472	15.80	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	449525	14.32	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.35	178	169613	5.727	ng/ul	98
17) Fluoranthene	19.36	202	389181	11.785	ng/ul	99
20) Pyrene	19.72	202	374268	10.821	ng/ul	98
21) Benzo(a)anthracene	21.54	228	199089	5.807	ng/ul	98
22) Chrysene	21.60	228	214908	6.484	ng/ul	97
24) Benzo(b)fluoranthene	23.69	252	279969	7.359	ng/ul	99
25) Benzo(k)fluoranthene	23.69	252	279969	7.418	ng/ul	98
27) Benzo(a)pyrene	24.52	252	182035	5.212	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.19	276	120221	2.749	ng/ul	98
30) Benzo(g,h,i)perylene	29.27	276	98370	2.688	ng/ul	98

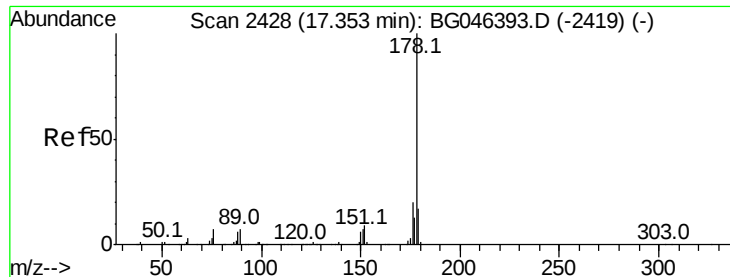
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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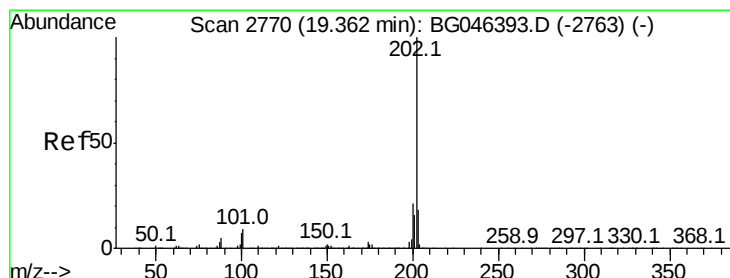
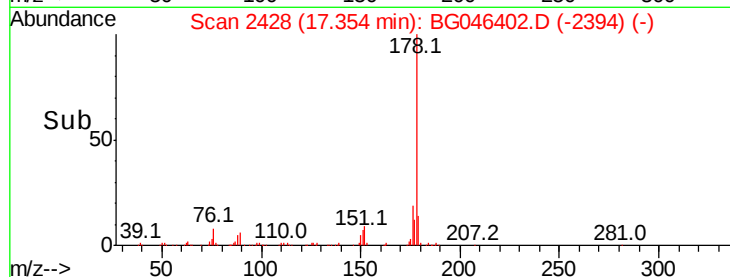
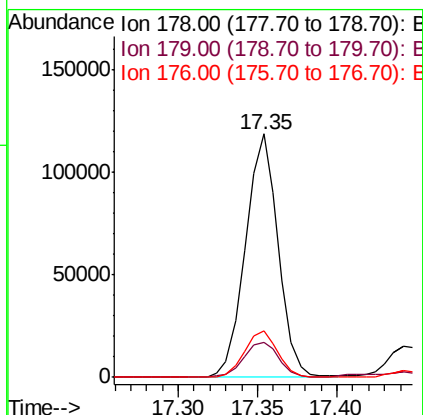
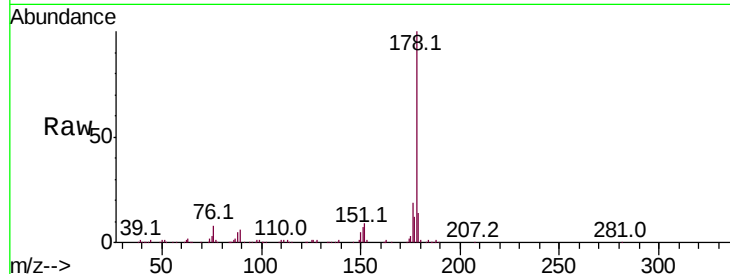




#14
Phenanthrene
Concen: 5.727 ng/ul
RT: 17.35 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BG046402.D
Acq: 21 Aug 2020 7:20

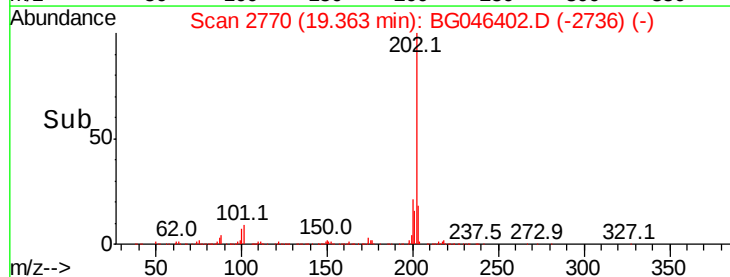
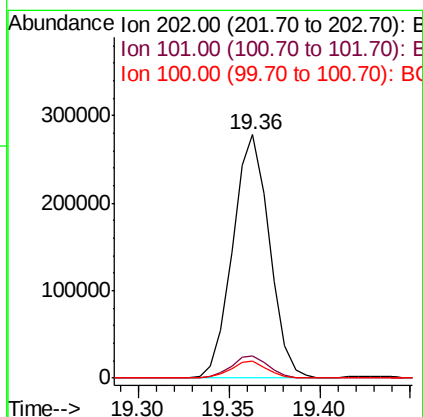
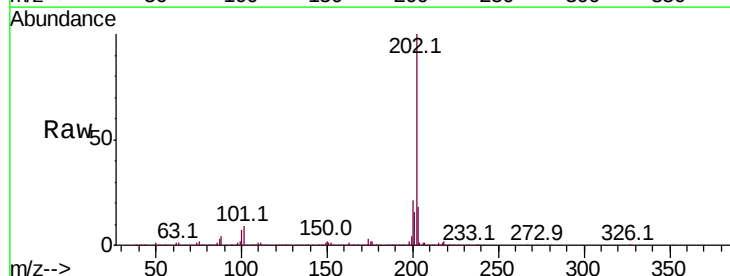
Instrument :
BNA_G
ClientSampleId :
BFMH4

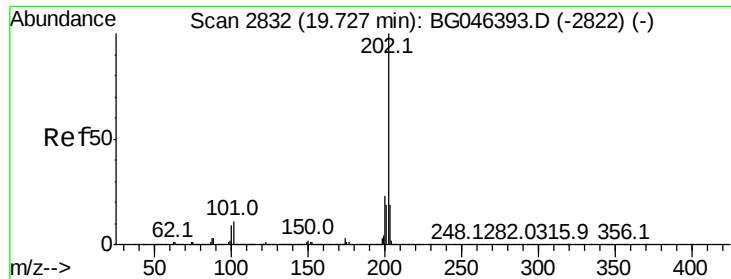
Tot Ion	Ratio	Lower	Upper
178	100		
179	14.5	12.8	19.2
176	19.1	15.8	23.8



#17
Fluoranthene
Concen: 11.785 ng/ul
RT: 19.36 min Scan# 2770
Delta R.T. 0.00 min
Lab File: BG046402.D
Acq: 21 Aug 2020 7:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.8	11.6
100	6.9	5.9	8.9

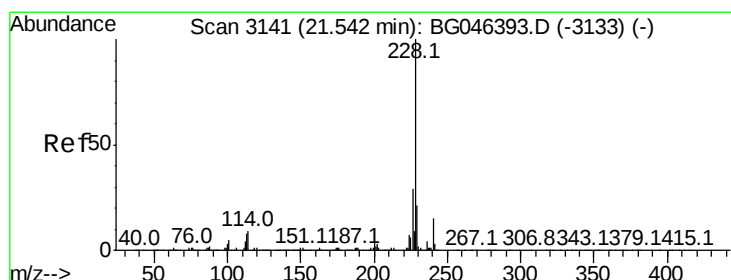
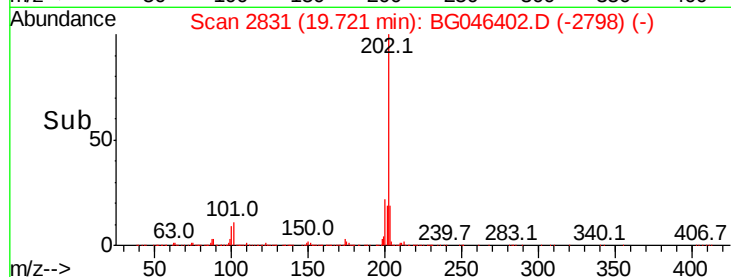
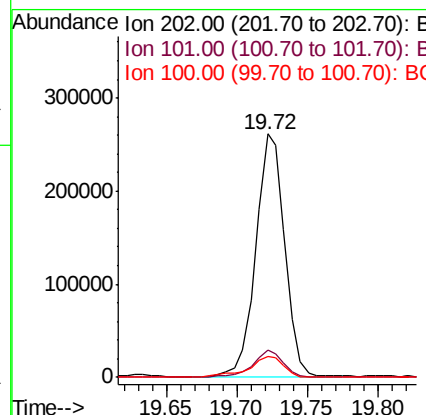
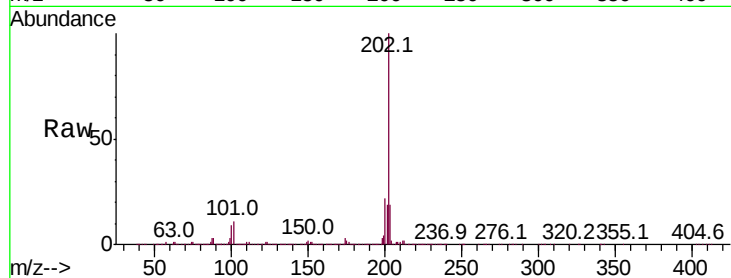




#20
Pvrene
Concen: 10.821 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. -0.01 min
Lab File: BG046402.D
Acq: 21 Aug 2020 7:20

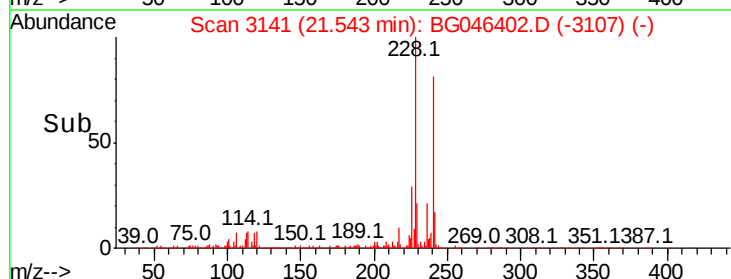
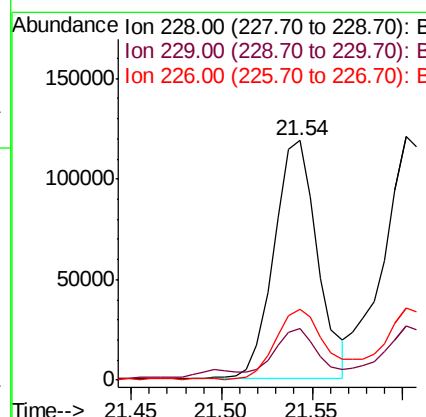
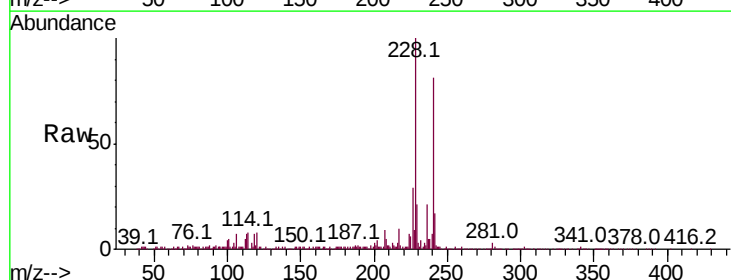
Instrument :
BNA_G
ClientSampleId :
BFMH4

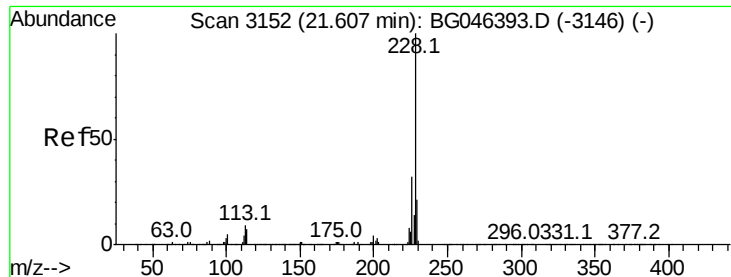
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.2	8.9	13.3
100	8.7	7.9	11.9



#21
Benzo(a)anthracene
Concen: 5.807 ng/ul
RT: 21.54 min Scan# 3141
Delta R.T. 0.00 min
Lab File: BG046402.D
Acq: 21 Aug 2020 7:20

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.4	16.6	25.0
226	29.3	22.6	33.8





#22

Chrysene

Concen: 6.484 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. -0.01 min

Lab File: BG046402.D

Acq: 21 Aug 2020 7:20

Instrument :

BNA_G

ClientSampleId :

BFMH4

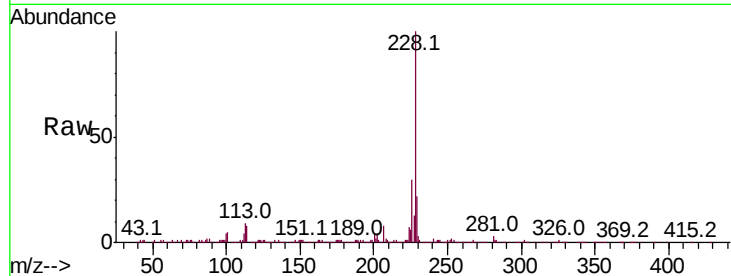
Tot Ion:228 Resp: 214908

Ion Ratio Lower Upper

228 100

226 29.7 25.5 38.3

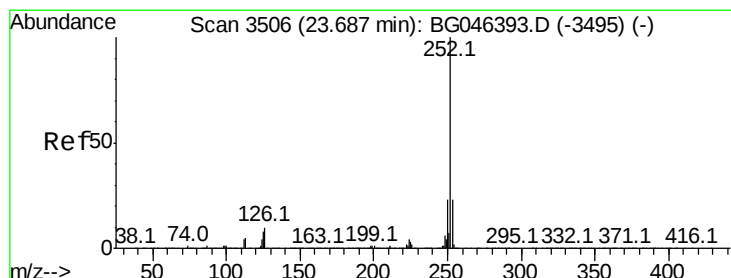
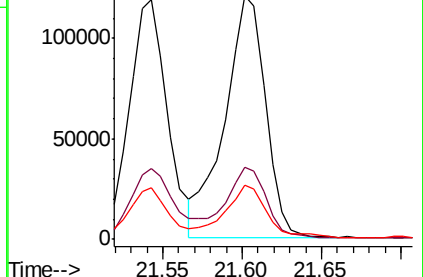
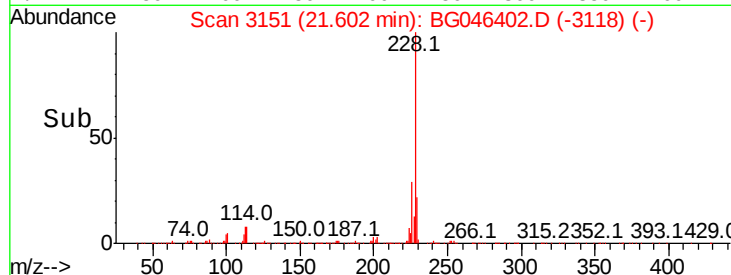
229 22.0 17.0 25.4



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: 7.359 ng/ul

RT: 23.69 min Scan# 3506

Delta R.T. 0.00 min

Lab File: BG046402.D

Acq: 21 Aug 2020 7:20

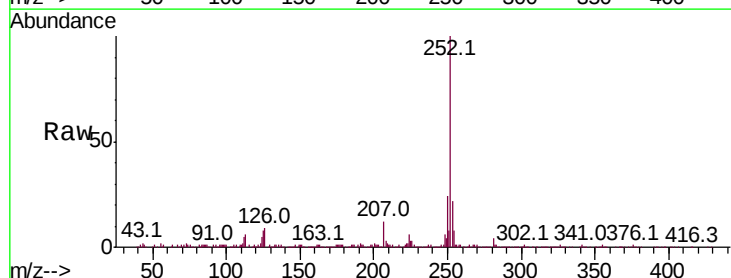
Tgt Ion:252 Resp: 279969

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

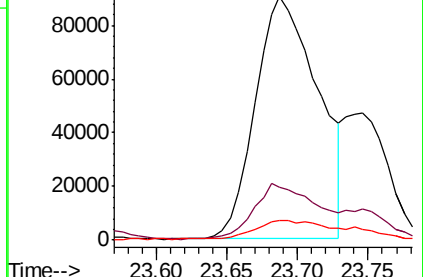
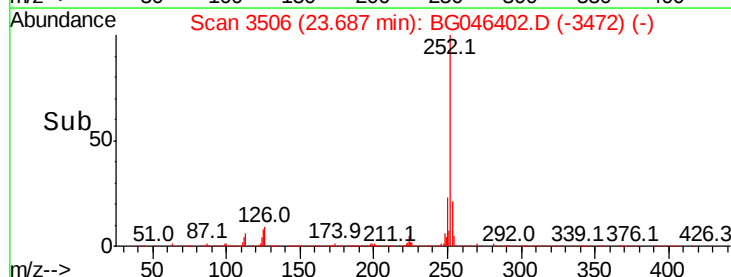
125 8.3 6.4 9.6

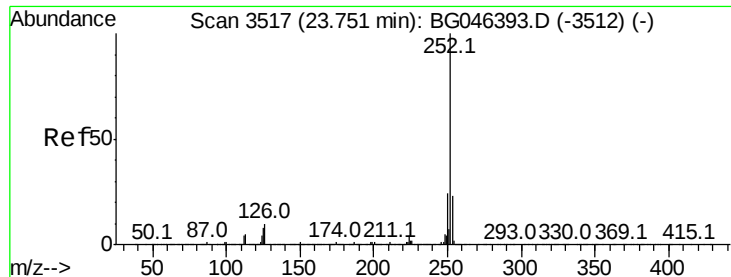


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 7.418 ng/ul

RT: 23.69 min Scan# 3506

Delta R.T. -0.06 min

Lab File: BG046402.D

Acq: 21 Aug 2020 7:20

Instrument :

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ClientSampleId :

BFMH4

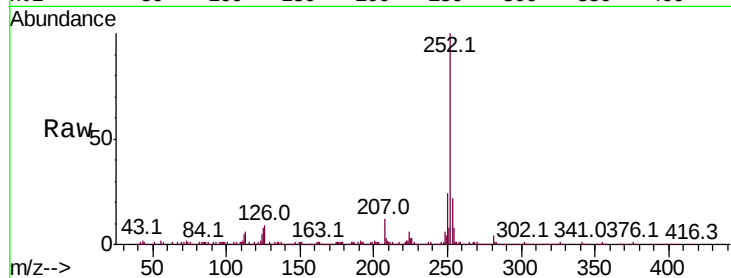
Tot Ion:252 Resp: 279969

Ion Ratio Lower Upper

252 100

253 21.8 18.5 27.7

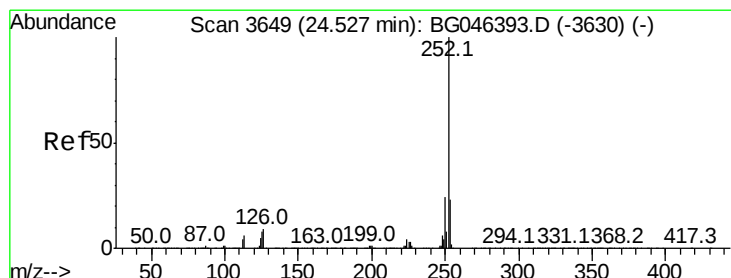
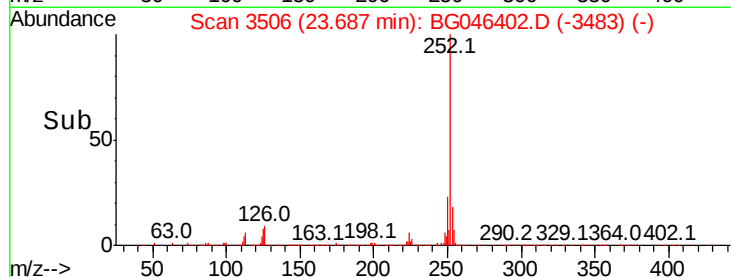
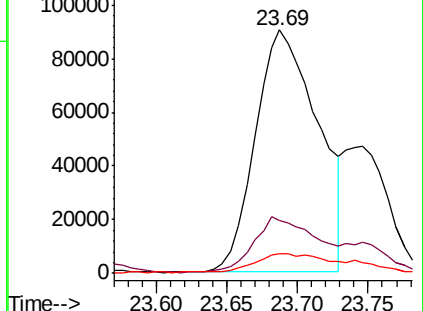
125 8.3 6.2 9.2



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: 5.212 ng/ul

RT: 24.52 min Scan# 3648

Delta R.T. -0.01 min

Lab File: BG046402.D

Acq: 21 Aug 2020 7:20

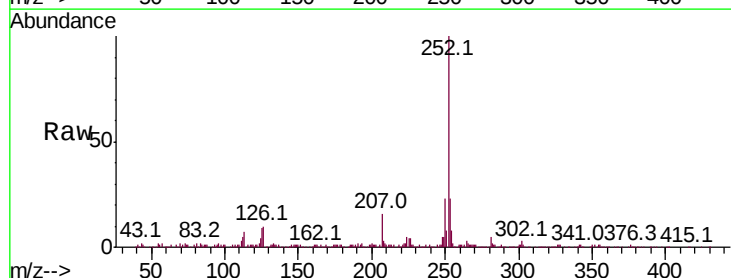
Tgt Ion:252 Resp: 182035

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

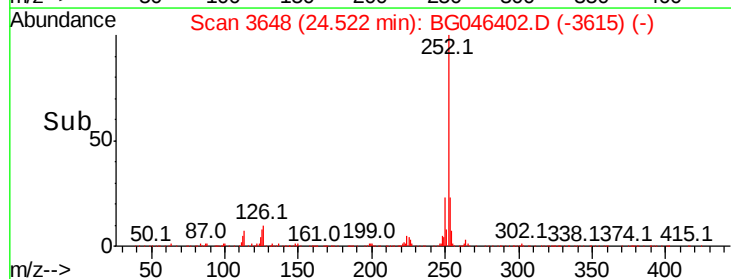
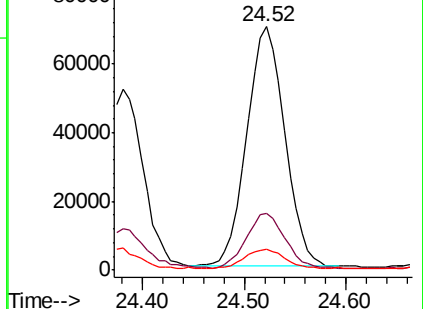
125 8.6 7.1 10.7

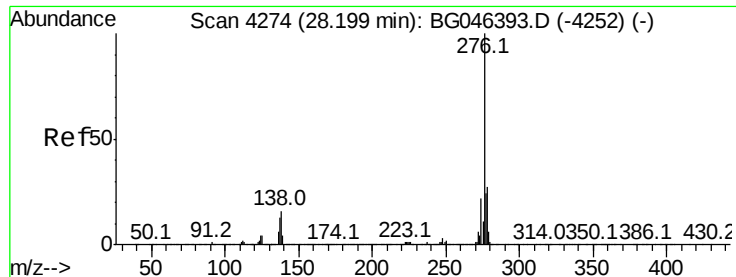


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



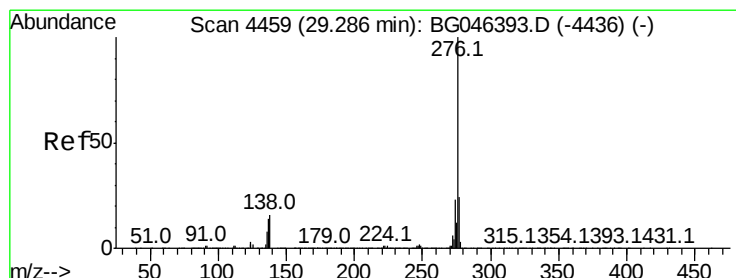
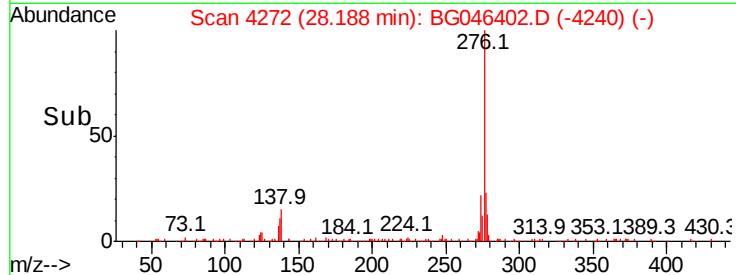
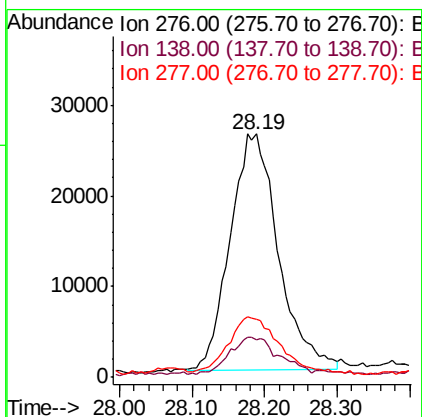
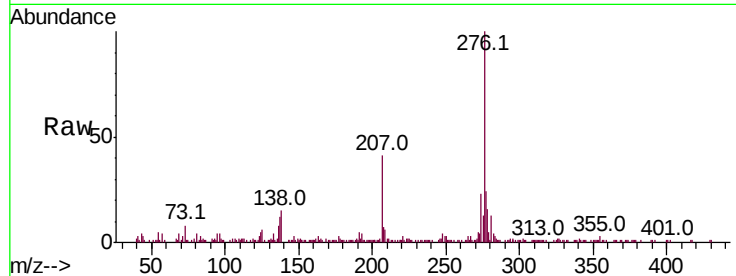


#28

Indeno(1,2,3-cd)pyrene
Concen: 2.749 ng/ul
RT: 28.19 min Scan# 4272
Delta R.T. -0.01 min
Lab File: BG046402.D
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Instrument :
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BFMH4

Tot Ion:	276	Resp:	120221
Ion	Ratio	Lower	Upper
276	100		
138	15.4	13.2	19.8
277	23.9	19.9	29.9



#30

Benzo(g,h,i)perylene
Concen: 2.688 ng/ul
RT: 29.27 min Scan# 4456
Delta R.T. -0.02 min
Lab File: BG046402.D
Acq: 21 Aug 2020 7:20

Tgt Ion:	276	Resp:	98370
Ion	Ratio	Lower	Upper
276	100		
138	17.2	12.9	19.3
277	23.5	19.4	29.0

