

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046357.D
 Acq On : 19 Aug 2020 22:07
 Operator : CG/JU
 Sample : L3633-12
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFME0

Quant Time: Aug 20 01:29:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 20 01:26:46 2020
 Response via : Initial Calibration

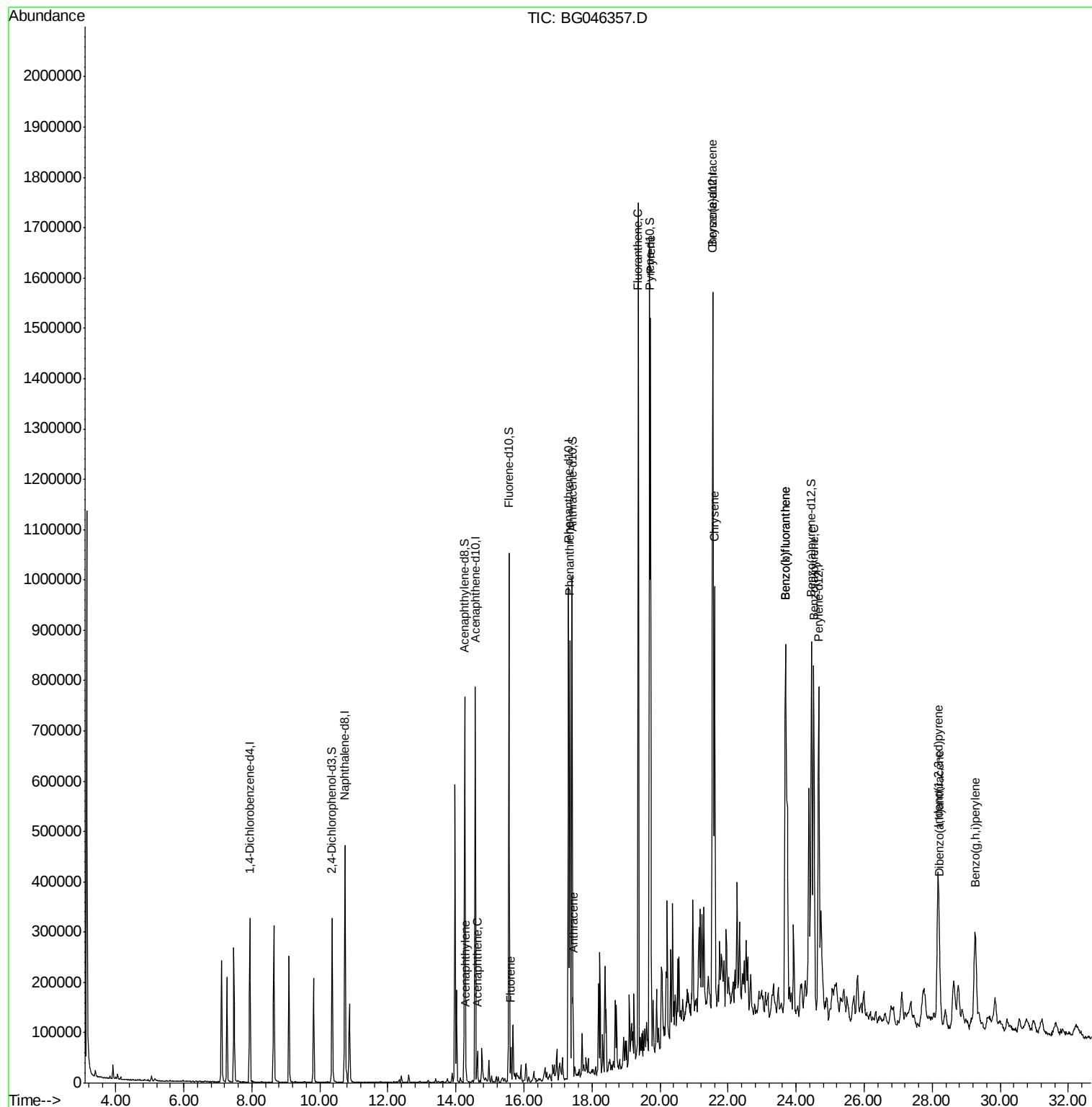
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	103594	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	419524	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	277105	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	631307	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	622095	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	666859	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	146675	20.30	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	574924	22.54	ng/ul	0.00
10) Fluorene-d10	15.56	176	436114	22.32	ng/ul	0.00
15) Anthracene-d10	17.40	188	623807	21.32	ng/ul	0.00
19) Pyrene-d10	19.70	212	733540	22.91	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	814996	22.40	ng/ul	0.00
Target Compounds				Qvalue		
8) Acenaphthylene	14.29	152	26029	1.004	ng/ul	98
9) Acenaphthene	14.63	153	27323	1.476	ng/ul	93
11) Fluorene	15.61	166	26631	1.230	ng/ul	99
14) Phenanthrene	17.35	178	555982	16.008	ng/ul	100
16) Anthracene	17.44	178	105324	3.006	ng/ul	98
17) Fluoranthene	19.36	202	1028729	26.564	ng/ul	100
20) Pyrene	19.72	202	951987	23.313	ng/ul	99
21) Benzo(a)anthracene	21.54	228	651012	16.084	ng/ul	97
22) Chrysene	21.60	228	624991	15.973	ng/ul	99
24) Benzo(b)fluoranthene	23.68	252	988386	22.413	ng/ul	97
25) Benzo(k)fluoranthene	23.68	252	988386	22.595	ng/ul	98
27) Benzo(a)pyrene	24.52	252	749882	18.522	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.17	276	520732	10.272	ng/ul	97
29) Dibenzo(a,h)anthracene	28.21	278	150736	3.667	ng/ul	98
30) Benzo(a,h,i)perylene	29.26	276	402553	9.489	ng/ul	99

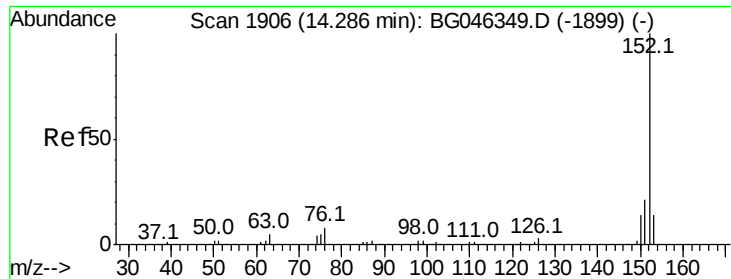
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 20 01:26:46 2020
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#8

Acenaphthylene

Concen: 1.004 ng/ul

RT: 14.29 min Scan# 1906

Delta R.T. 0.00 min

Lab File: BG046357.D

Acq: 19 Aug 2020 22:07

Instrument :

BNA_G

ClientSampleId :

BFME0

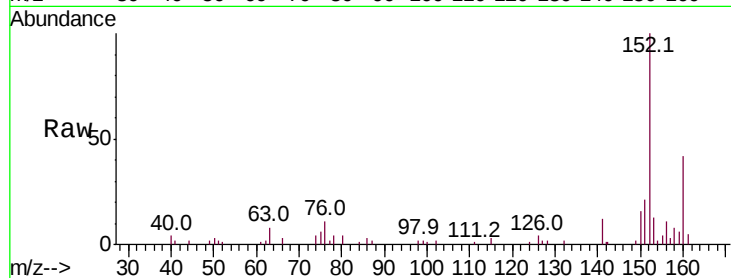
Tot Ion:152 Resp: 26029

Ion Ratio Lower Upper

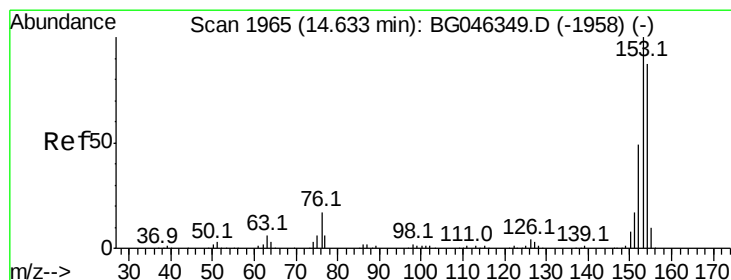
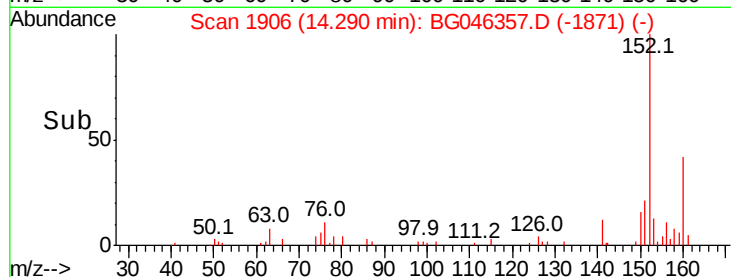
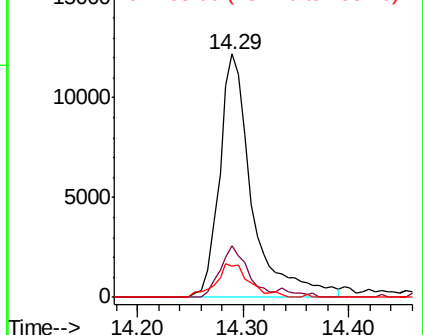
152 100

151 21.3 16.5 24.7

153 12.9 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#9

Acenaphthene

Concen: 1.476 ng/ul

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG046357.D

Acq: 19 Aug 2020 22:07

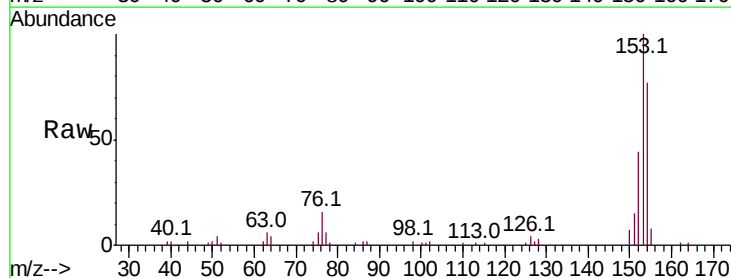
Tgt Ion:153 Resp: 27323

Ion Ratio Lower Upper

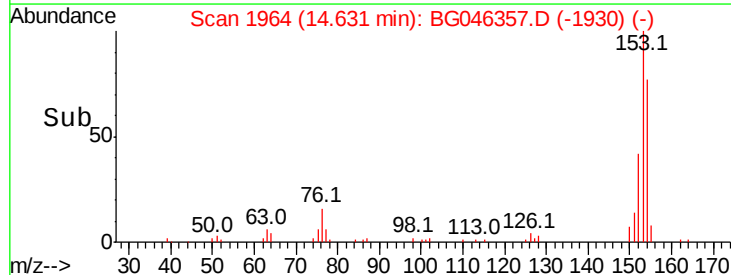
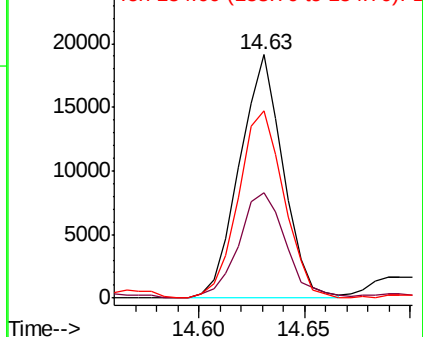
153 100

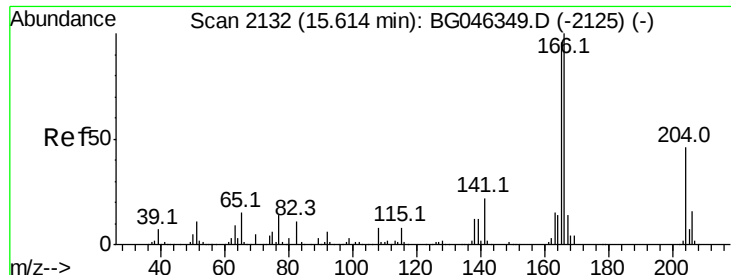
152 43.5 37.2 55.8

154 77.2 67.8 101.6



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E

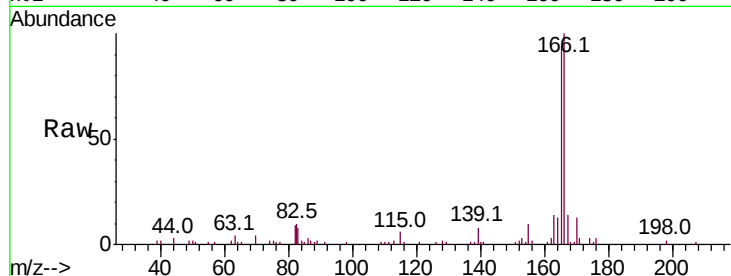




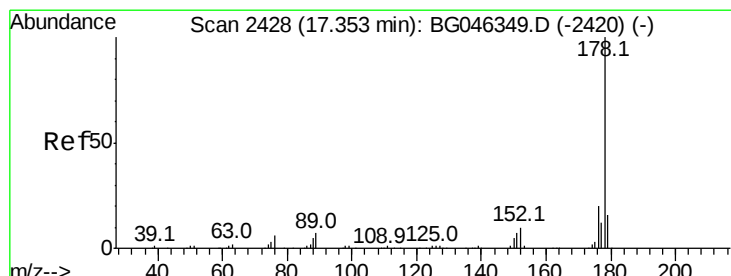
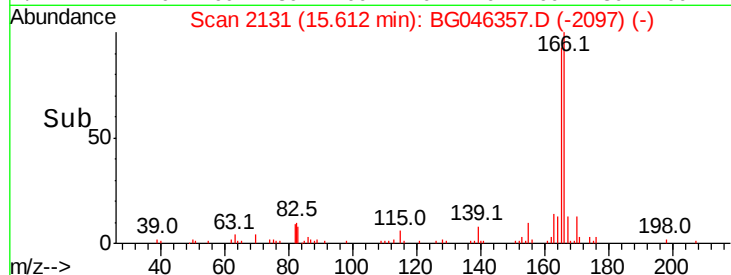
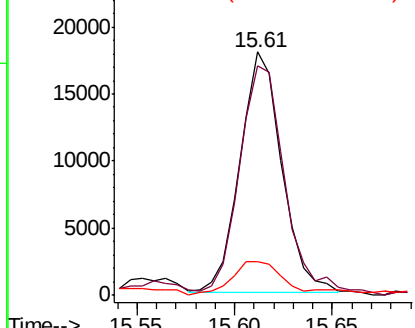
#11
 Fluorene
 Concen: 1.230 ng/ul
 RT: 15.61 min Scan# 2131
 Delta R.T. -0.00 min
 Lab File: BG046357.D
 Acq: 19 Aug 2020 22:07

Instrument :
 BNA_G
 ClientSampleId :
 BFME0

Tot Ion:166 Resp: 26631
 Ion Ratio Lower Upper
 166 100
 165 94.3 75.9 113.9
 167 13.9 10.7 16.1

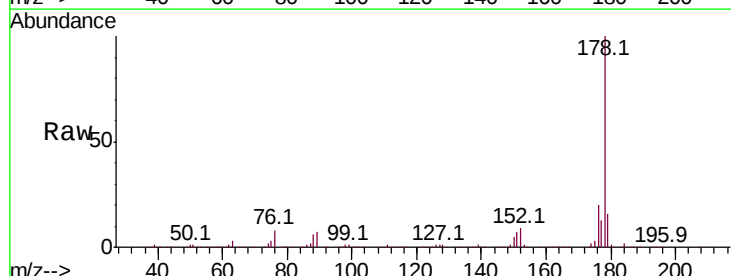


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

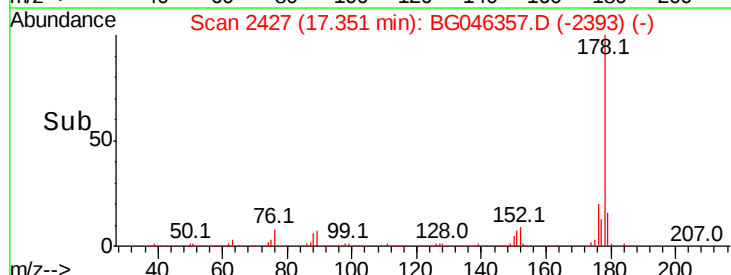
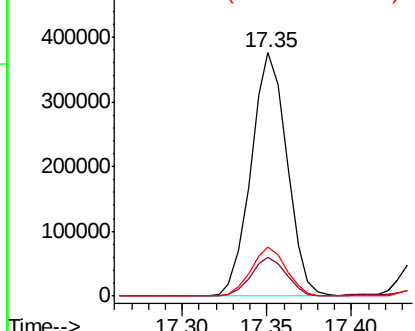


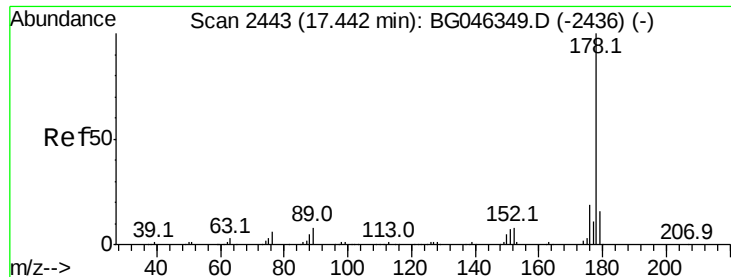
#14
 Phenanthrene
 Concen: 16.008 ng/ul
 RT: 17.35 min Scan# 2427
 Delta R.T. -0.00 min
 Lab File: BG046357.D
 Acq: 19 Aug 2020 22:07

Tgt Ion:178 Resp: 555982
 Ion Ratio Lower Upper
 178 100
 179 16.1 12.8 19.2
 176 20.0 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

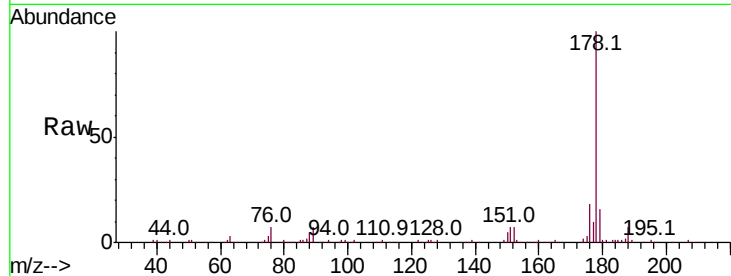




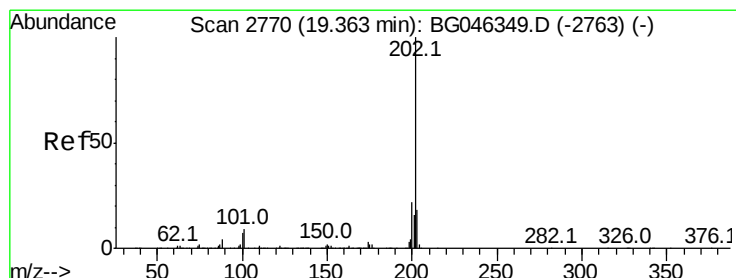
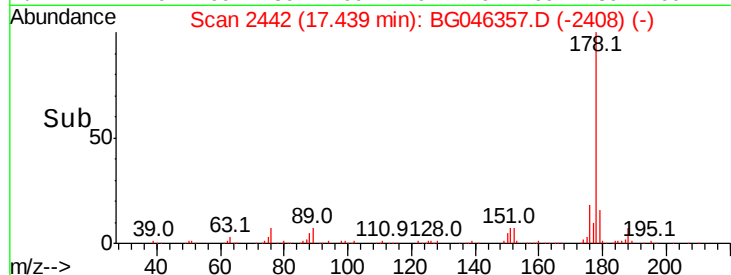
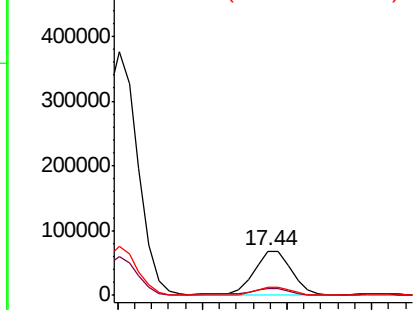
#16
 Anthracene
 Concen: 3.006 ng/ul
 RT: 17.44 min Scan# 2442
 Delta R.T. -0.00 min
 Lab File: BG046357.D
 Acq: 19 Aug 2020 22:07

Instrument :
 BNA_G
 ClientSampleId :
 BFME0

Tot Ion:178 Resp: 105324
 Ion Ratio Lower Upper
 178 100
 179 15.6 13.2 19.8
 176 18.4 15.2 22.8

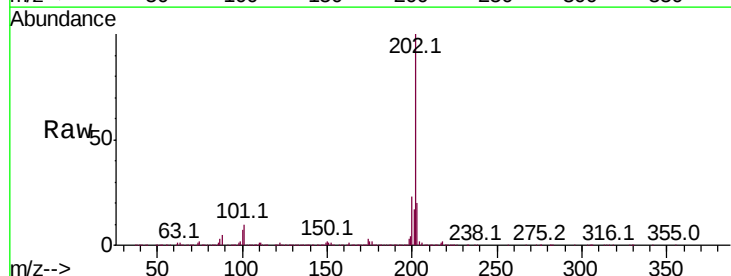


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

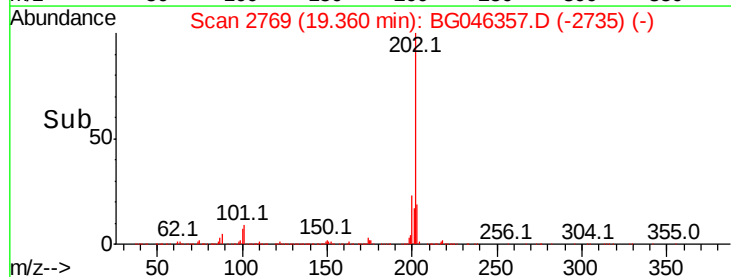
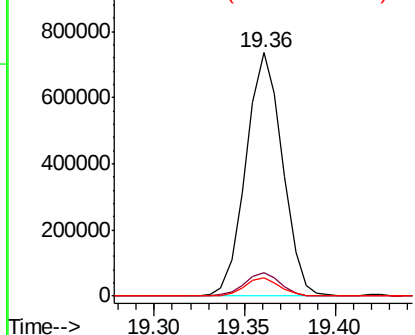


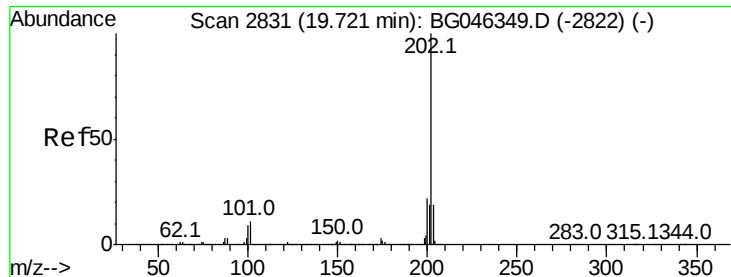
#17
 Fluoranthene
 Concen: 26.564 ng/ul
 RT: 19.36 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: BG046357.D
 Acq: 19 Aug 2020 22:07

Tgt Ion:202 Resp: 1028729
 Ion Ratio Lower Upper
 202 100
 101 9.7 7.8 11.6
 100 7.4 5.9 8.9



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

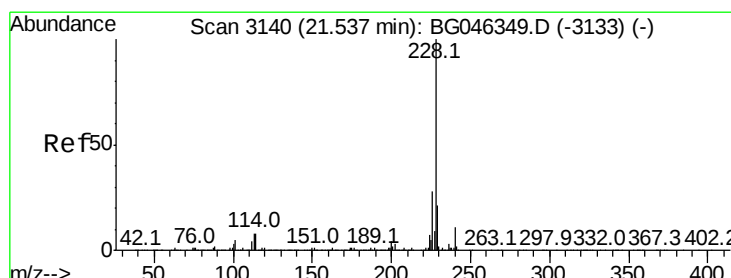
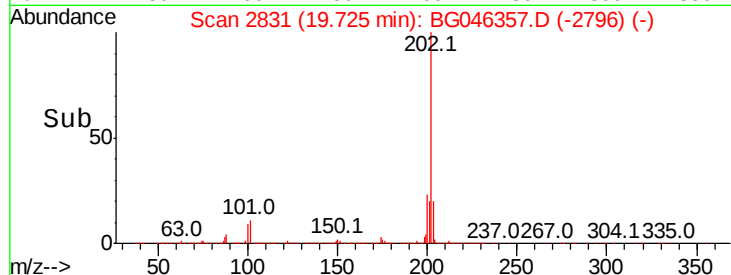
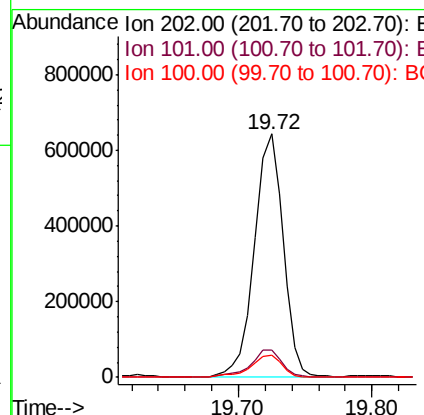
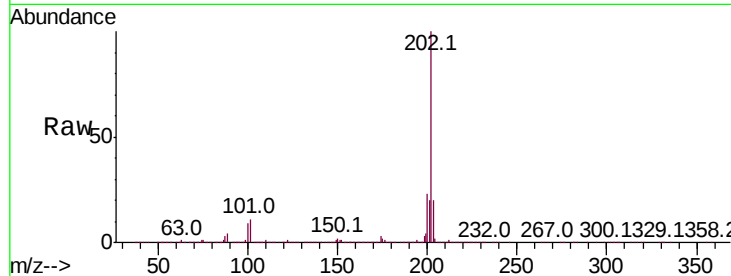




#20
Pvrene
Concen: 23.313 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. 0.00 min
Lab File: BG046357.D
Acq: 19 Aug 2020 22:07

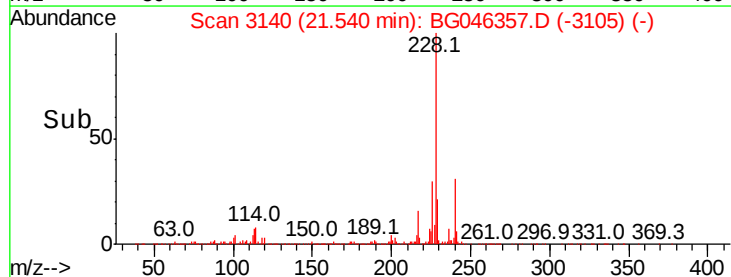
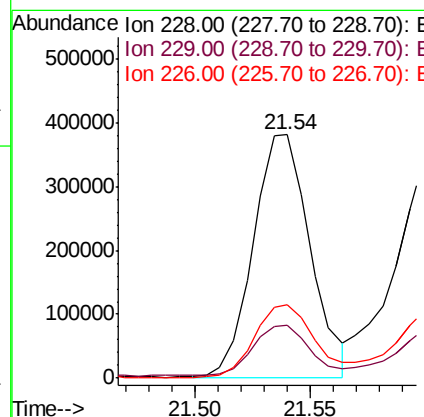
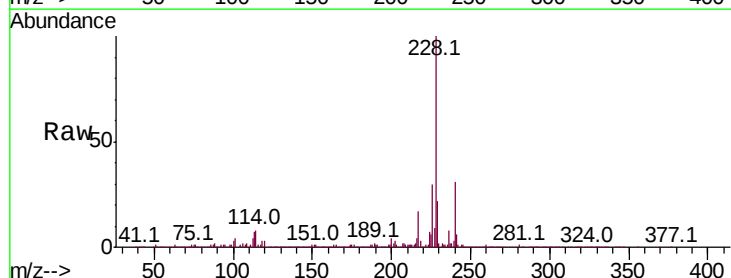
Instrument :
BNA_G
ClientSampleId :
BFME0

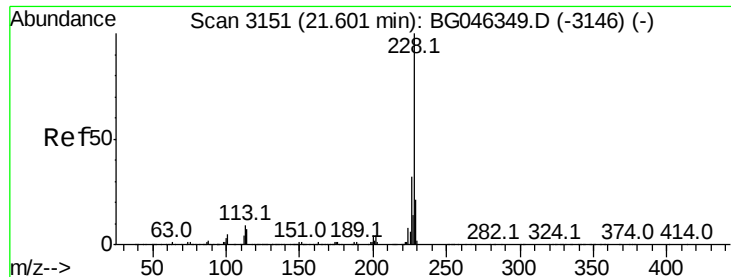
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.4	8.9	13.3
100	9.2	7.9	11.9



#21
Benzo(a)anthracene
Concen: 16.084 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. 0.00 min
Lab File: BG046357.D
Acq: 19 Aug 2020 22:07

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.7	16.6	25.0
226	30.4	22.6	33.8





#22

Chrysene

Concen: 15.973 ng/ul

RT: 21.60 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BG046357.D

Acq: 19 Aug 2020 22:07

Instrument :

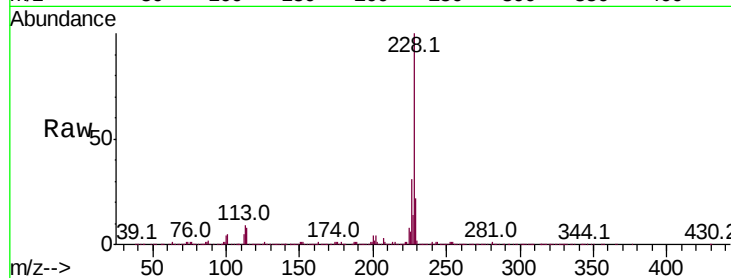
BNA_G

ClientSampleId :

BFME0

Tot Ion:228 Resp: 624991

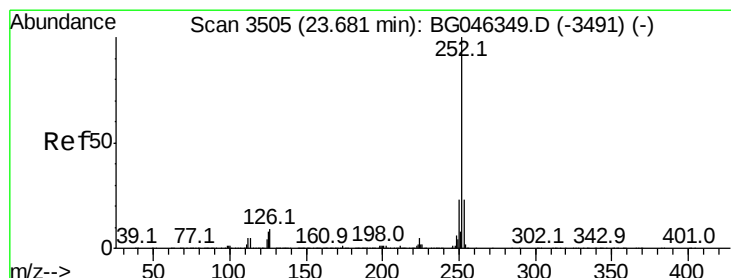
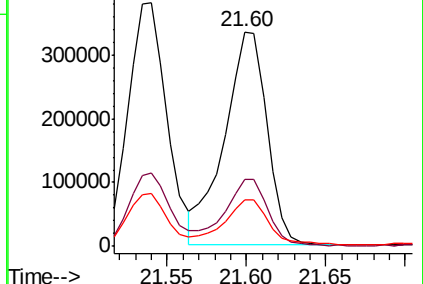
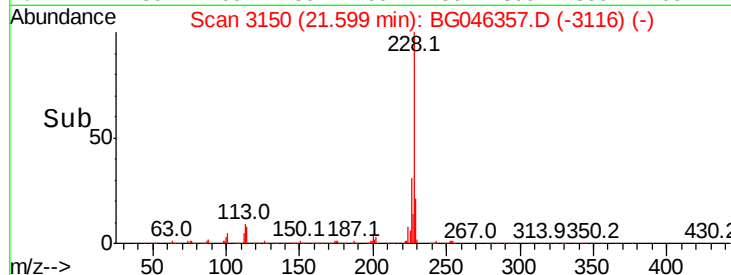
Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.5	38.3
229	21.8	17.0	25.4



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: 22.413 ng/ul

RT: 23.68 min Scan# 3505

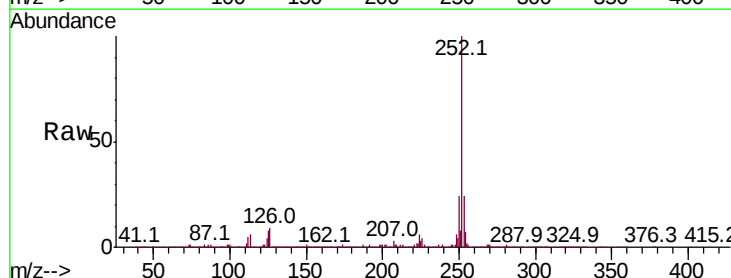
Delta R.T. 0.00 min

Lab File: BG046357.D

Acq: 19 Aug 2020 22:07

Tgt Ion:252 Resp: 988386

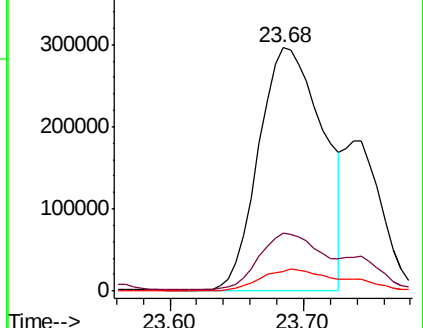
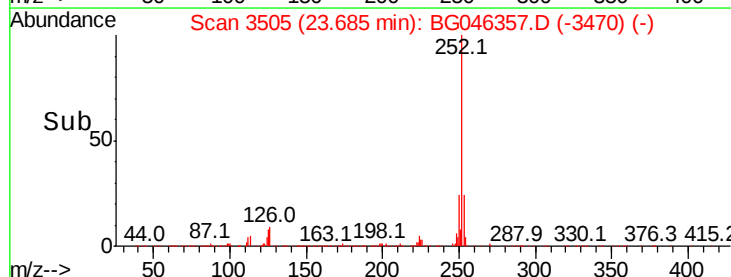
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	8.0	6.4	9.6

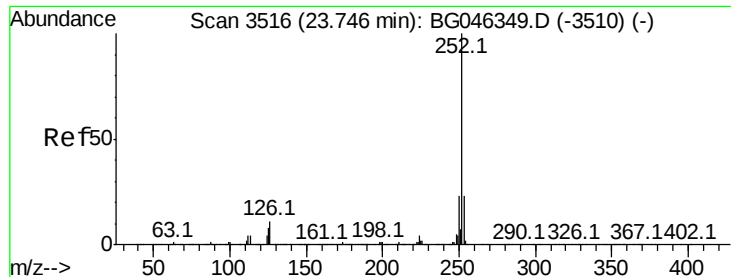


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 22.595 ng/ul

RT: 23.68 min Scan# 3505

Delta R.T. -0.06 min

Lab File: BG046357.D

Acq: 19 Aug 2020 22:07

Instrument :

BNA_G

ClientSampleId :

BFME0

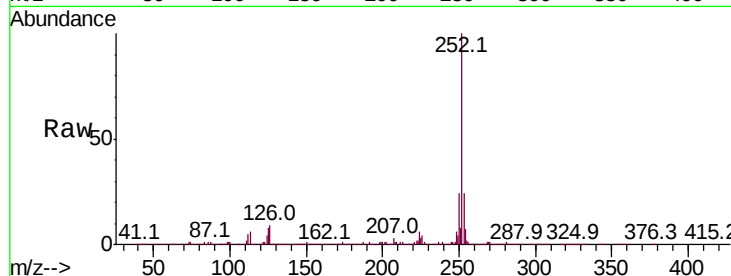
Tot Ion:252 Resp: 988386

Ion Ratio Lower Upper

252 100

253 24.0 18.5 27.7

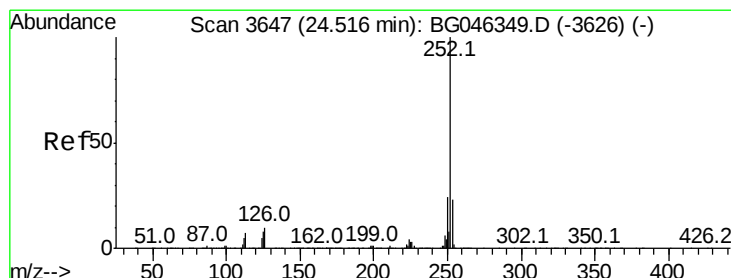
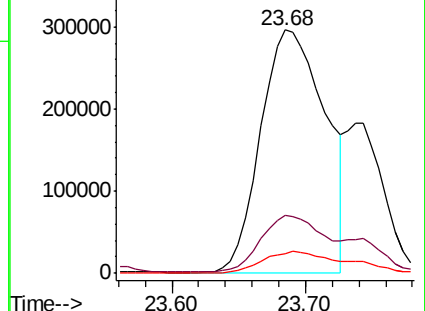
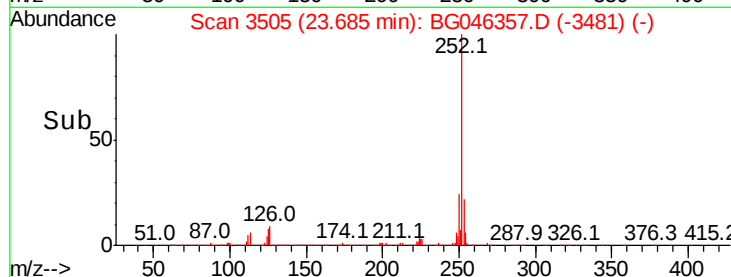
125 8.0 6.2 9.2



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: 18.522 ng/ul

RT: 24.52 min Scan# 3647

Delta R.T. 0.00 min

Lab File: BG046357.D

Acq: 19 Aug 2020 22:07

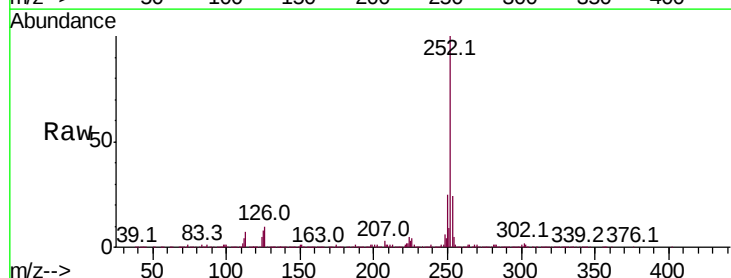
Tgt Ion:252 Resp: 749882

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

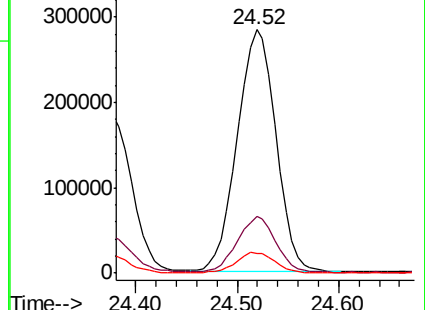
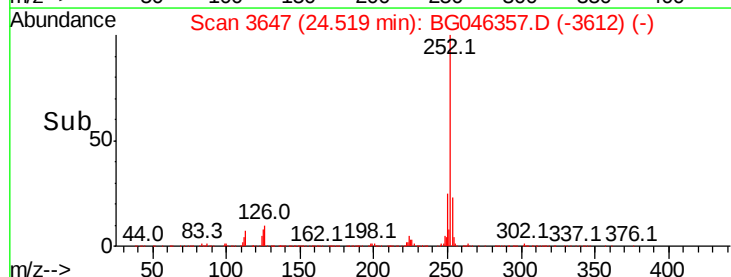
125 8.3 7.1 10.7

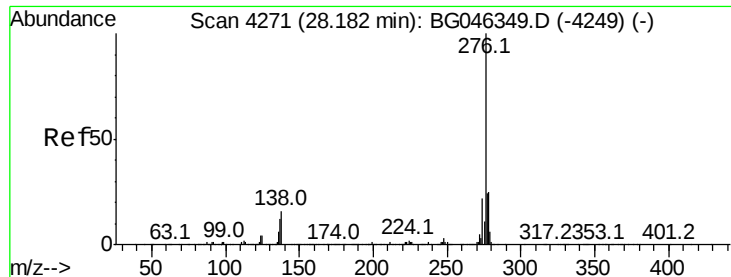


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



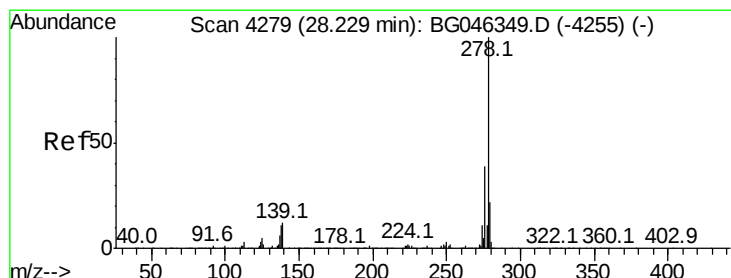
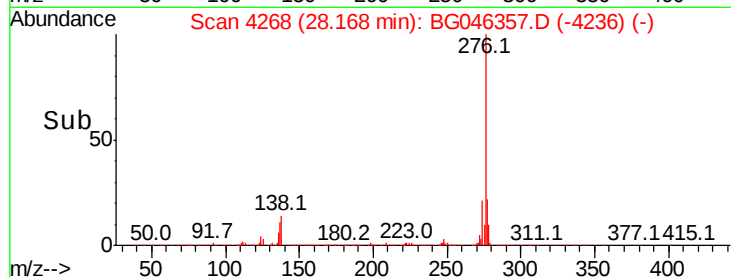
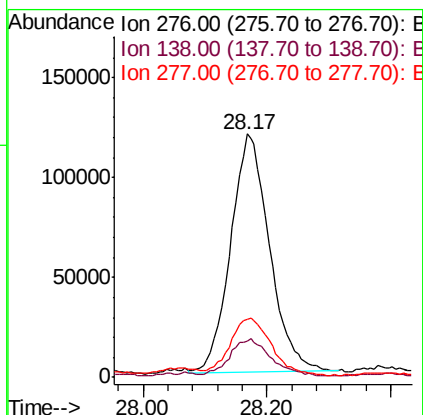
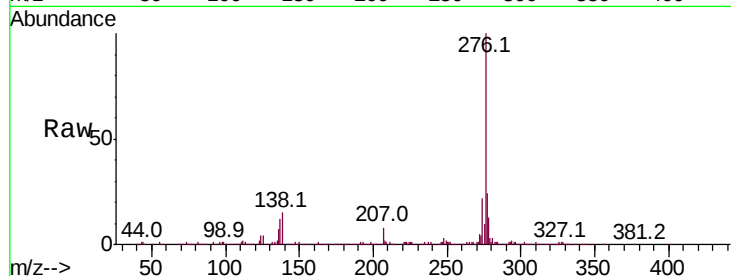


#28

Indeno(1,2,3-cd)pyrene
Concen: 10.272 ng/ul
RT: 28.17 min Scan# 4268
Delta R.T. -0.01 min
Lab File: BG046357.D
Acq: 19 Aug 2020 22:07

Instrument :
BNA_G
ClientSampleId :
BFME0

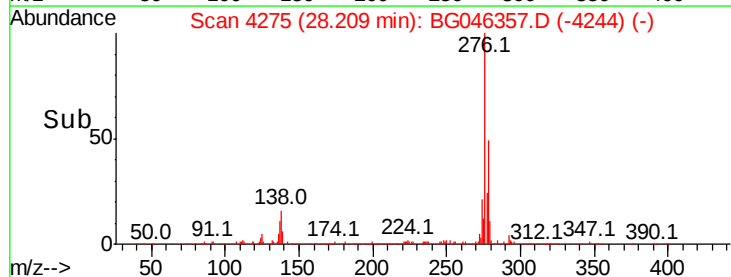
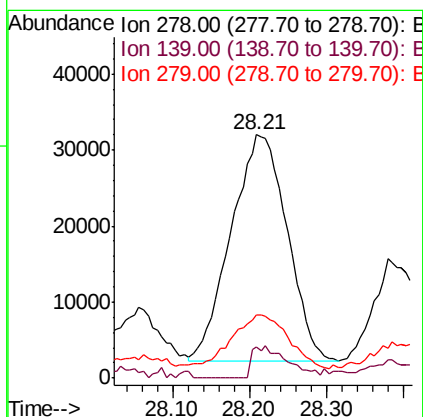
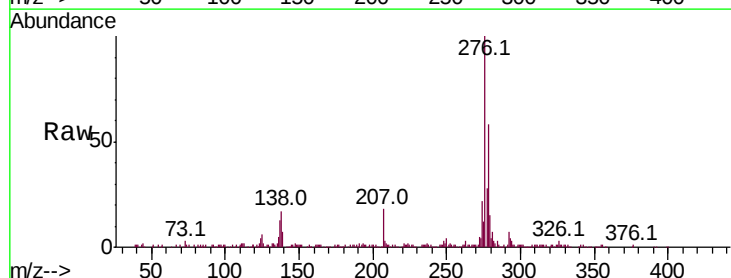
Tot Ion	Ratio	Lower	Upper
276	100		
138	14.7	13.2	19.8
277	23.8	19.9	29.9

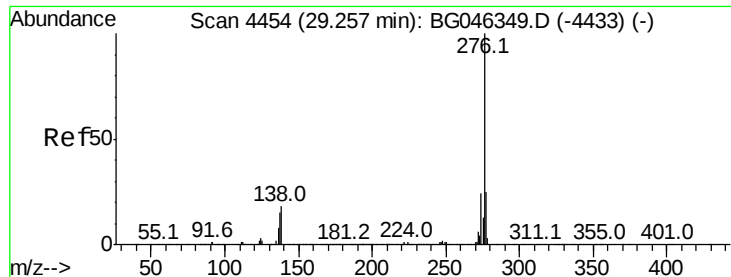


#29

Dibenzo(a,h)anthracene
Concen: 3.667 ng/ul
RT: 28.21 min Scan# 4275
Delta R.T. -0.02 min
Lab File: BG046357.D
Acq: 19 Aug 2020 22:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.7	9.8	14.8
279	25.8	19.7	29.5





#30

Benzo(a,h,i)perylene

Concen: 9.489 ng/ul

RT: 29.26 min Scan# 4454

Delta R.T. 0.00 min

Lab File: BG046357.D

Acq: 19 Aug 2020 22:07

Instrument :

BNA_G

ClientSampleId :

BFME0

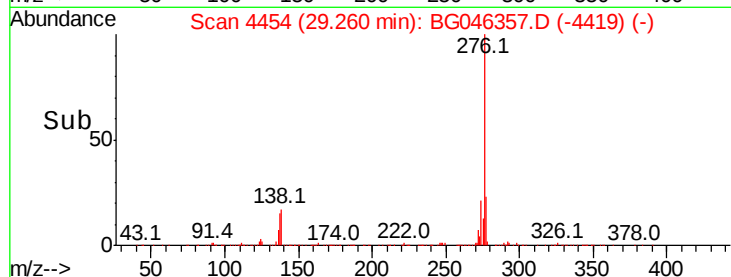
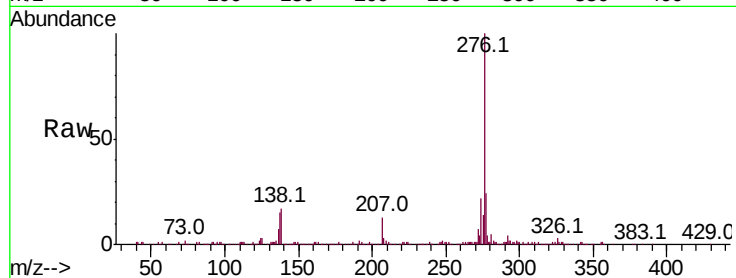
Tot Ion:276 Resp: 402553

Ion Ratio Lower Upper

276 100

138 16.9 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

