

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
 Data File : BG046301.D
 Acq On : 17 Aug 2020 17:11
 Operator : CG/JU
 Sample : L3632-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFM87

Quant Time: Aug 18 01:25:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 13:50:19 2020
 Response via : Initial Calibration

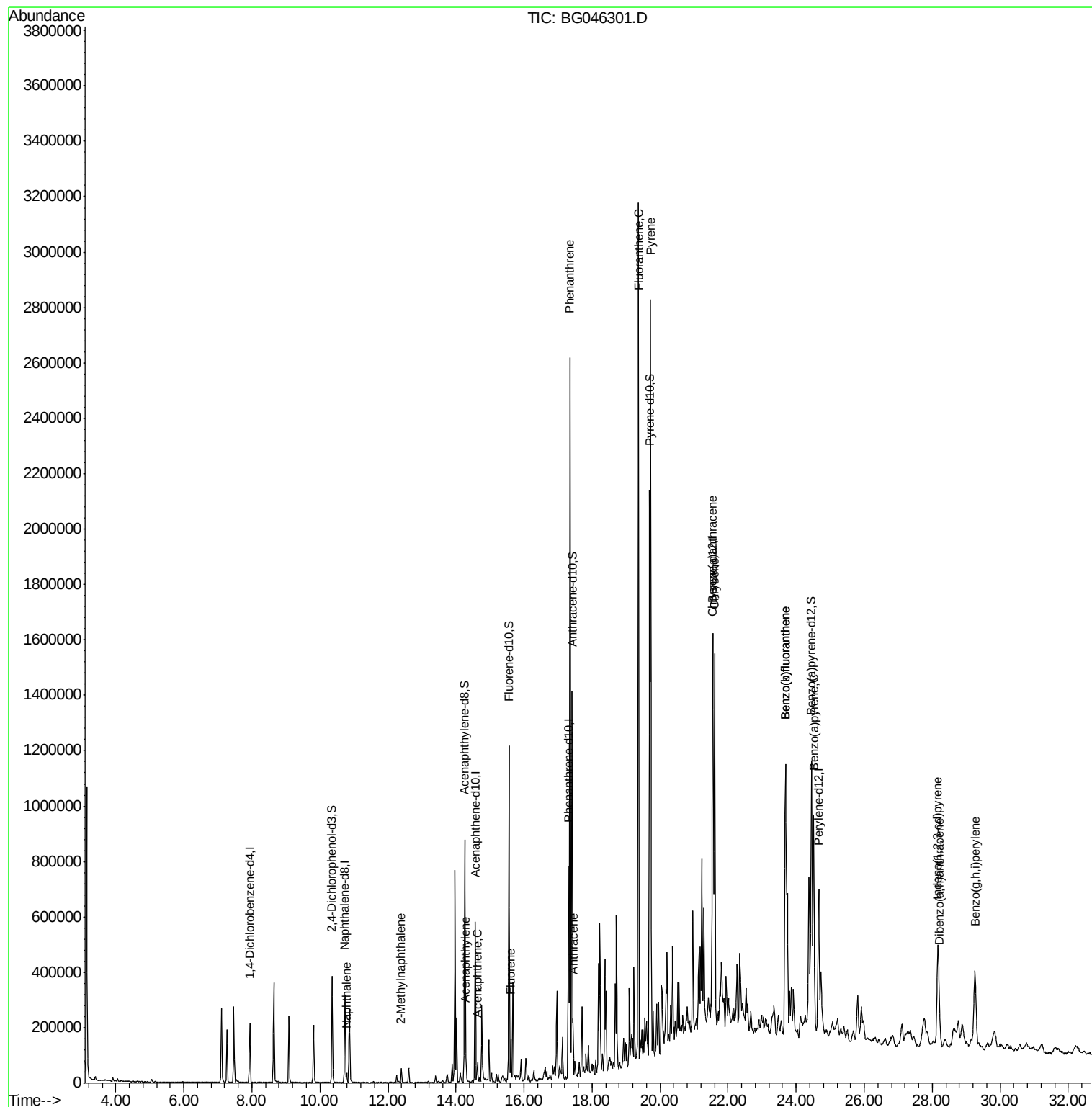
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	67414	20.00	ng/ul	-0.01
2) Naphthalene-d8	10.73	136	284845	20.00	ng/ul	-0.01
6) Acenaphthene-d10	14.57	164	206907	20.00	ng/ul	-0.01
12) Phenanthrene-d10	17.31	188	510186	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	502489	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	542379	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	163877	33.41	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	670939	35.24	ng/ul	0.00
10) Fluorene-d10	15.56	176	514703	35.27	ng/ul	0.00
15) Anthracene-d10	17.41	188	806079	34.08	ng/ul	0.00
19) Pyrene-d10	19.69	212	945462	36.55	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	1062514	35.90	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.78	128	30907	2.086	ng/ul	97
5) 2-Methylnaphthalene	12.39	142	27017	2.392	ng/ul	91
8) Acenaphthylene	14.29	152	70929	3.664	ng/ul	97
9) Acenaphthene	14.63	153	32341	2.339	ng/ul	96
11) Fluorene	15.61	166	65452	4.049	ng/ul	99
14) Phenanthrene	17.35	178	1679057	59.823	ng/ul	95
16) Anthracene	17.44	178	131949	4.659	ng/ul	99
17) Fluoranthene	19.37	202	1933849	61.792	ng/ul	97
20) Pyrene	19.72	202	1670062	50.633	ng/ul	97
21) Benzo(a)anthracene	21.53	228	719277	22.001	ng/ul	98
22) Chrysene	21.60	228	980325	31.018	ng/ul	99
24) Benzo(b)fluoranthene	23.69	252	1236345	34.471	ng/ul	97
25) Benzo(k)fluoranthene	23.69	252	1236345	34.749	ng/ul	98
27) Benzo(a)pyrene	24.52	252	785960	23.869	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.17	276	619317	15.021	ng/ul	99
29) Dibenzo(a,h)anthracene	28.21	278	155605	4.655	ng/ul	95
30) Benzo(g,h,i)perylene	29.26	276	529221	15.337	ng/ul	99

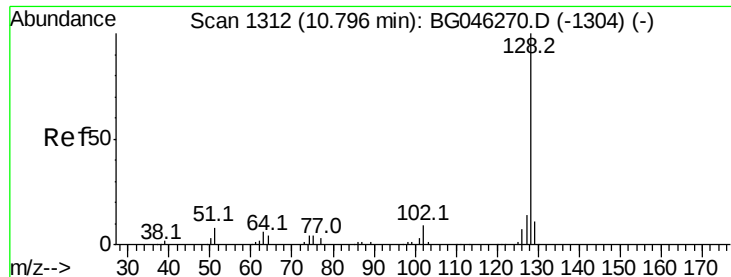
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 2.086 ng/ul

RT: 10.78 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BG046301.D

Acq: 17 Aug 2020 17:11

Instrument :

BNA_G

ClientSampleId :

BFM87

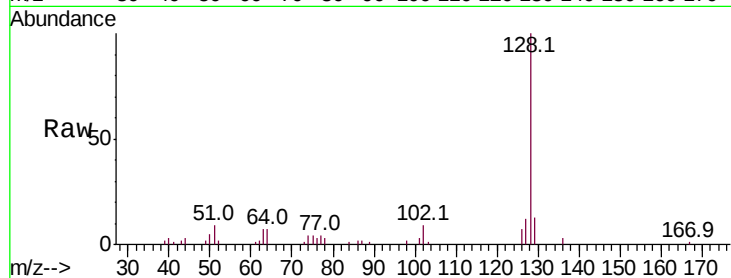
Tot Ion:128 Resp: 30907

Ion Ratio Lower Upper

128 100

129 12.8 9.0 13.6

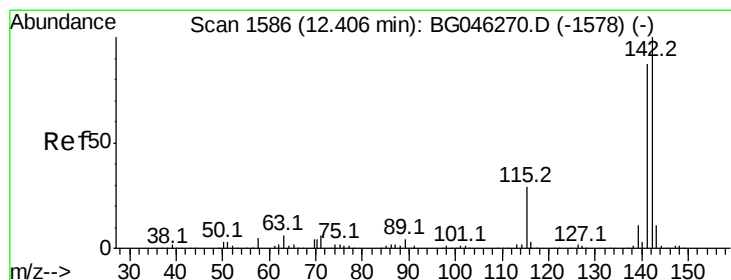
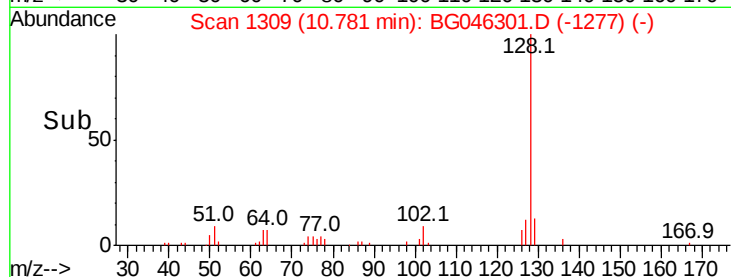
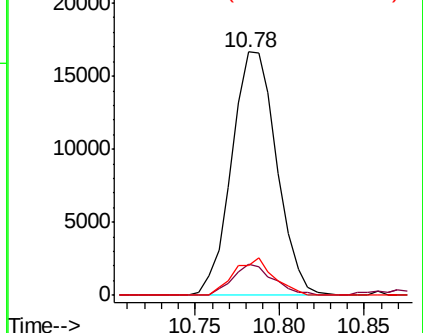
127 12.4 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 2.392 ng/ul

RT: 12.39 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BG046301.D

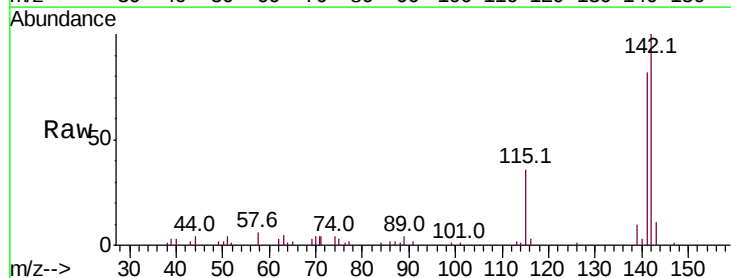
Acq: 17 Aug 2020 17:11

Tgt Ion:142 Resp: 27017

Ion Ratio Lower Upper

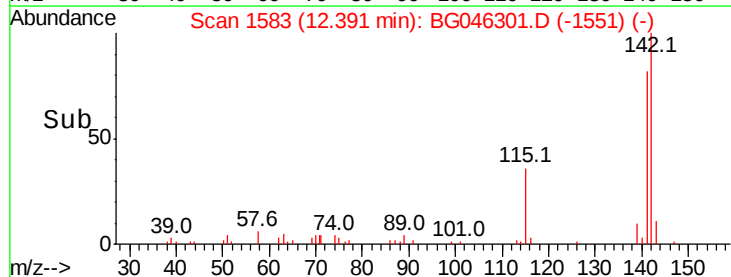
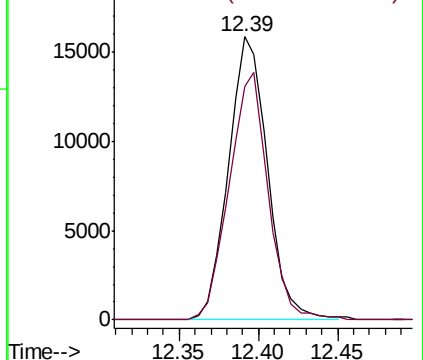
142 100

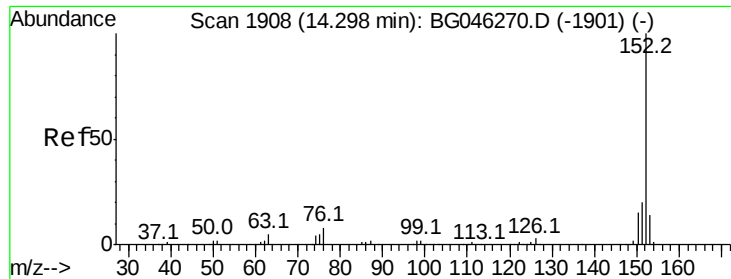
141 82.3 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 3.664 ng/ul

RT: 14.29 min Scan# 1906

Delta R.T. -0.01 min

Lab File: BG046301.D

Acq: 17 Aug 2020 17:11

Instrument :

BNA_G

ClientSampleId :

BFM87

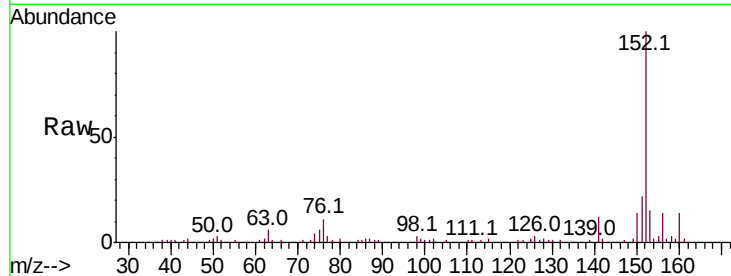
Tot Ion:152 Resp: 70929

Ion Ratio Lower Upper

152 100

151 22.1 16.5 24.7

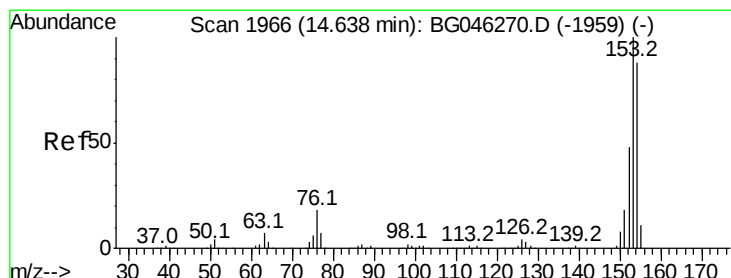
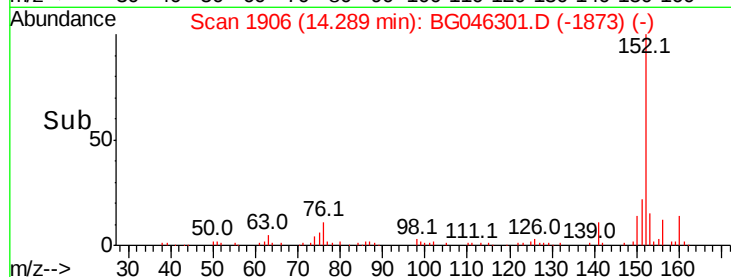
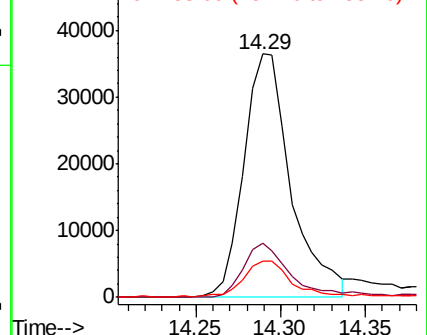
153 14.7 11.0 16.6



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: 2.339 ng/ul

RT: 14.63 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BG046301.D

Acq: 17 Aug 2020 17:11

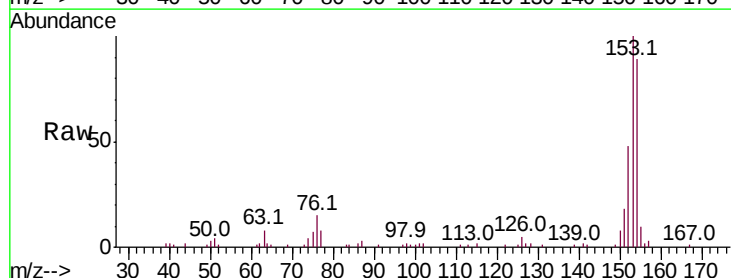
Tgt Ion:153 Resp: 32341

Ion Ratio Lower Upper

153 100

152 48.2 37.2 55.8

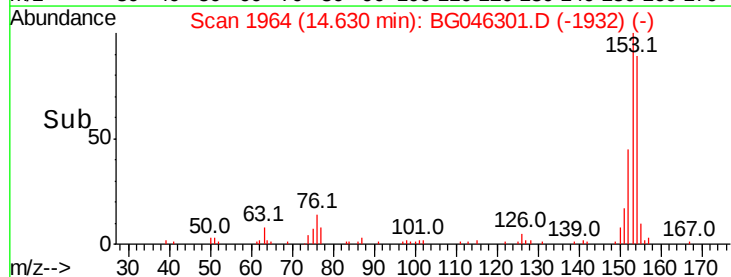
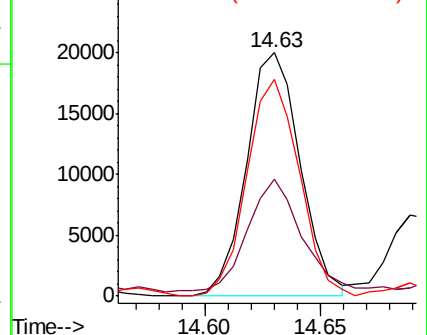
154 89.0 67.8 101.6

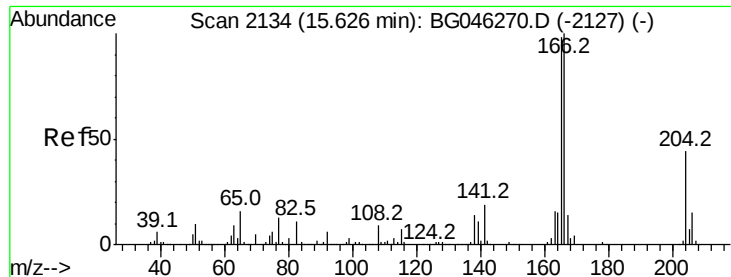


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

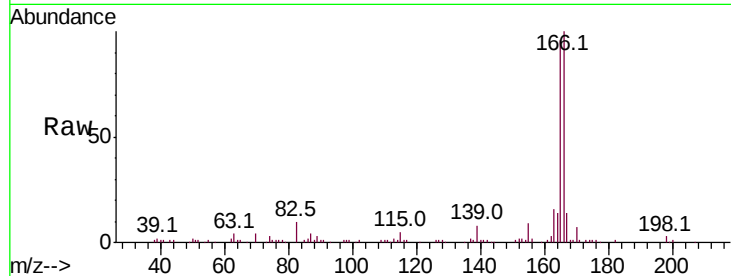




#11
Fluorene
 Concen: 4.049 ng/ul
 RT: 15.61 min Scan# 2131
 Delta R.T. -0.01 min
 Lab File: BG046301.D
 Acq: 17 Aug 2020 17:11

Instrument :
 BNA_G
 ClientSampleId :
 BFM87

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.5	75.9	113.9
167	14.3	10.7	16.1

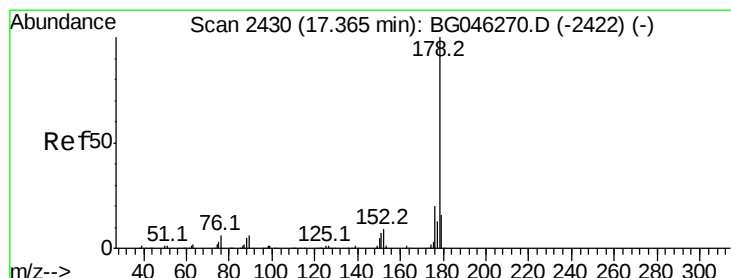
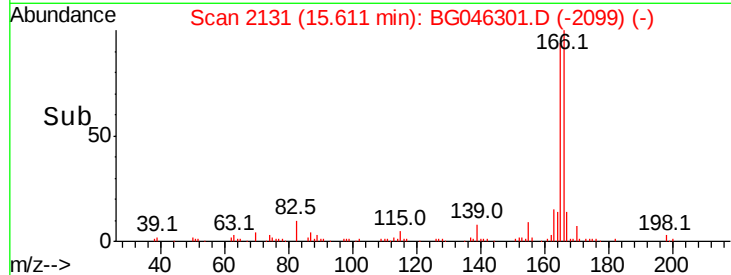
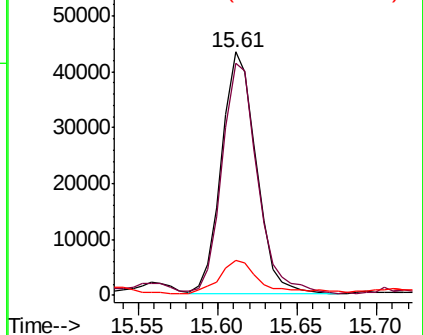


Abundance

Ion 166.00 (165.70 to 166.70): E

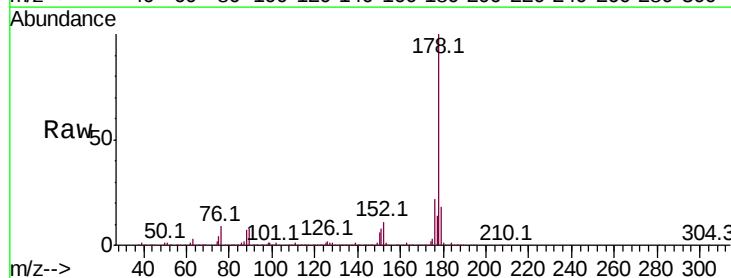
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#14
Phenanthrene
 Concen: 59.823 ng/ul
 RT: 17.35 min Scan# 2427
 Delta R.T. -0.01 min
 Lab File: BG046301.D
 Acq: 17 Aug 2020 17:11

Tgt Ion	Ratio	Lower	Upper
178	100		
179	18.3	12.8	19.2
176	22.2	15.8	23.8

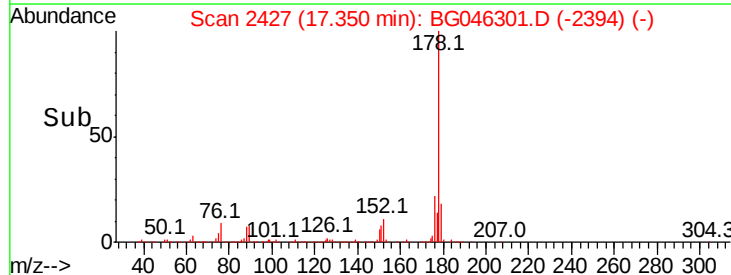
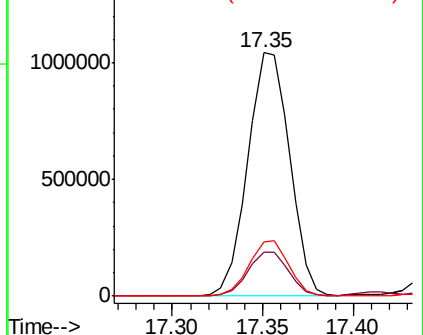


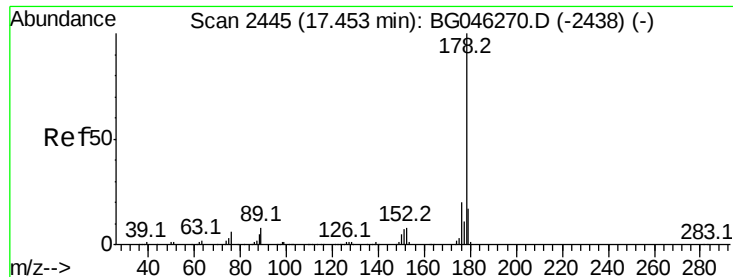
Abundance

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

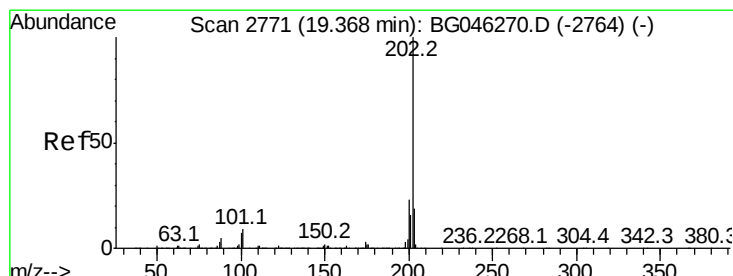
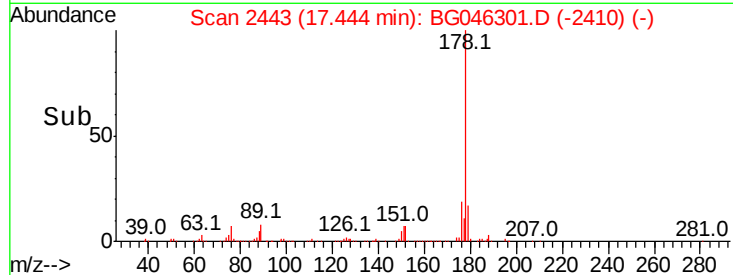
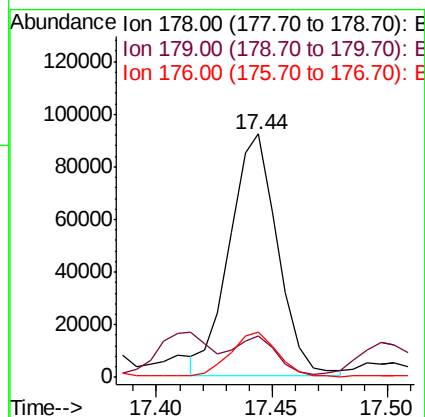
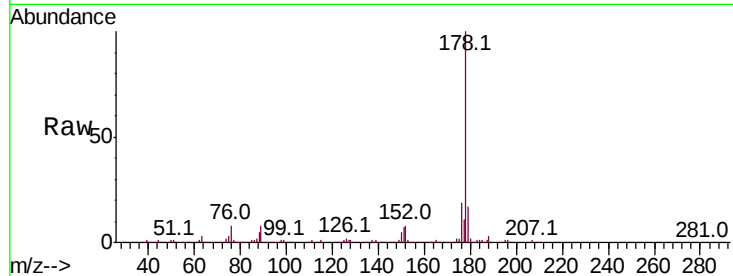




#16
 Anthracene
 Concen: 4.659 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.01 min
 Lab File: BG046301.D
 Acq: 17 Aug 2020 17:11

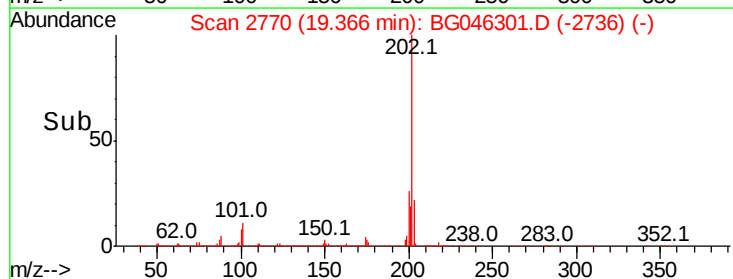
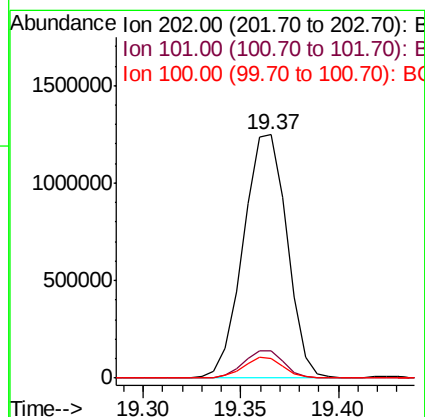
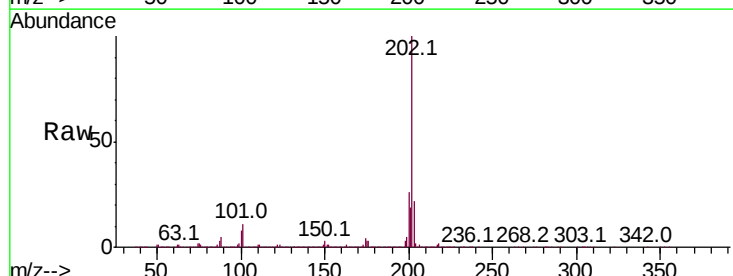
Instrument :
 BNA_G
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 BFM87

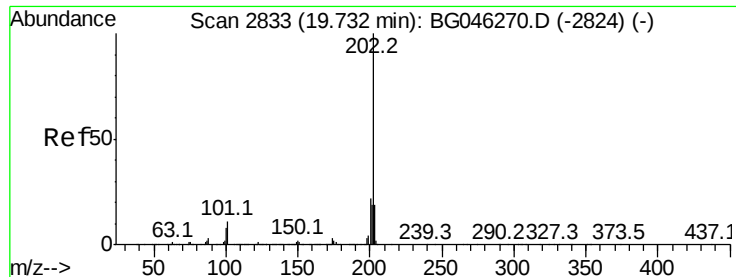
Tot Ion:178 Resp: 131949
 Ion Ratio Lower Upper
 178 100
 179 16.9 13.2 19.8
 176 18.8 15.2 22.8



#17
 Fluoranthene
 Concen: 61.792 ng/ul
 RT: 19.37 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: BG046301.D
 Acq: 17 Aug 2020 17:11

Tgt Ion:202 Resp: 1933849
 Ion Ratio Lower Upper
 202 100
 101 11.0 7.8 11.6
 100 8.2 5.9 8.9

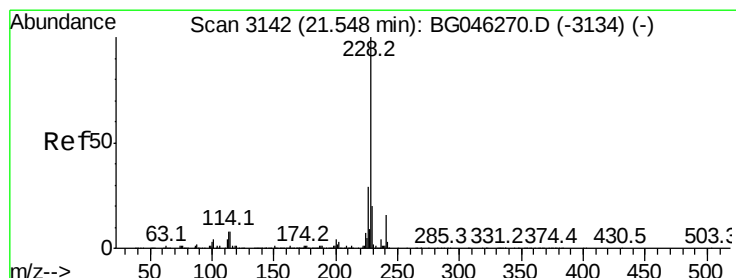
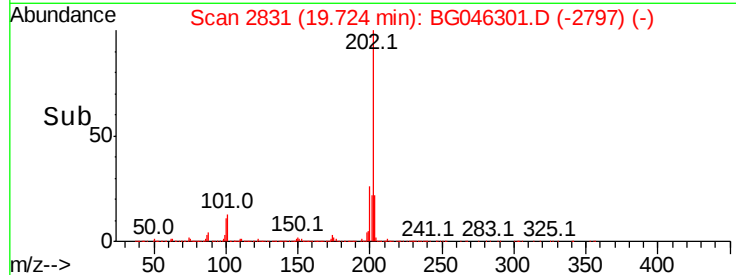
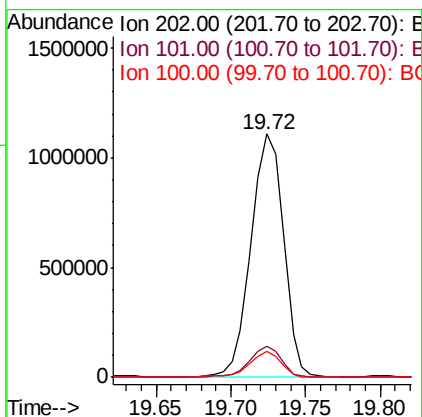
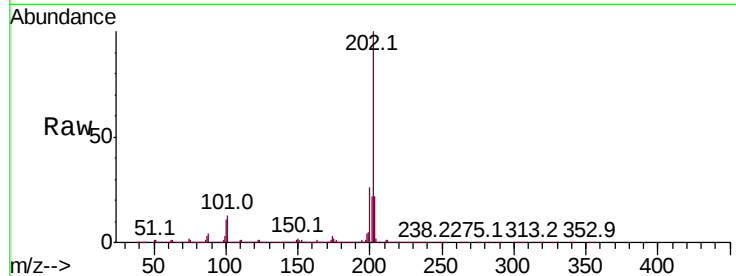




#20
Pvrene
Concen: 50.633 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. 0.00 min
Lab File: BG046301.D
Acq: 17 Aug 2020 17:11

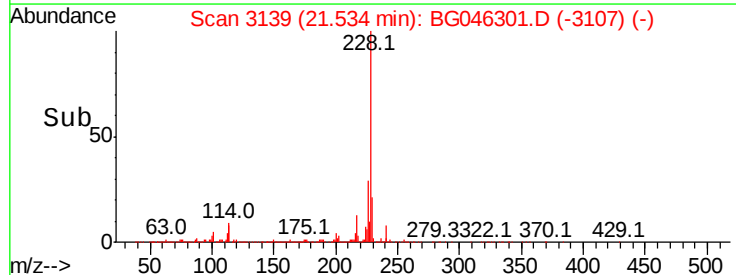
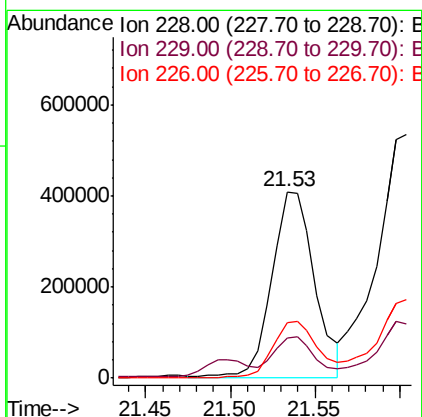
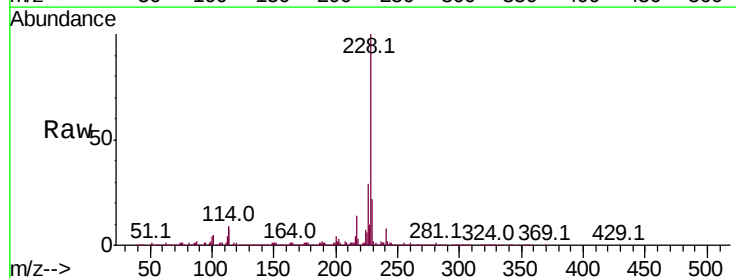
Instrument :
BNA_G
ClientSampleId :
BFM87

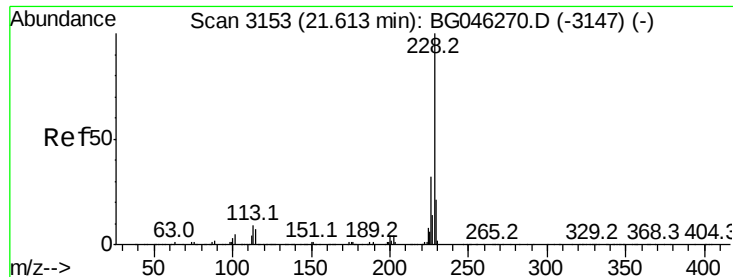
Tot Ion:202 Resp: 1670062
Ion Ratio Lower Upper
202 100
101 12.7 8.9 13.3
100 10.6 7.9 11.9



#21
Benzo(a)anthracene
Concen: 22.001 ng/ul
RT: 21.53 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BG046301.D
Acq: 17 Aug 2020 17:11

Tgt Ion:228 Resp: 719277
Ion Ratio Lower Upper
228 100
229 21.7 16.6 25.0
226 29.5 22.6 33.8





#22

Chrysene

Concen: 31.018 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BG046301.D

Acq: 17 Aug 2020 17:11

Instrument :

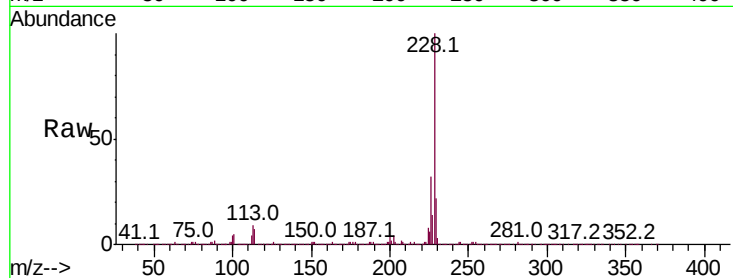
BNA_G

ClientSampleId :

BFM87

Tot Ion:228 Resp: 980325

Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.5	38.3
229	22.4	17.0	25.4

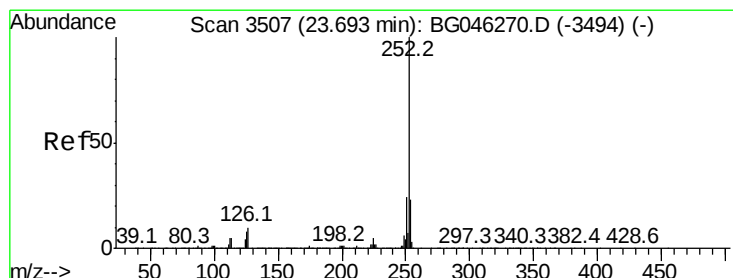
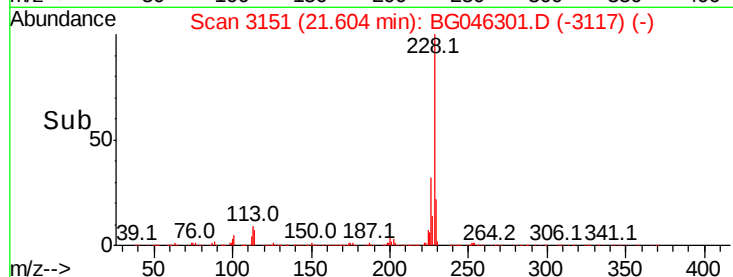
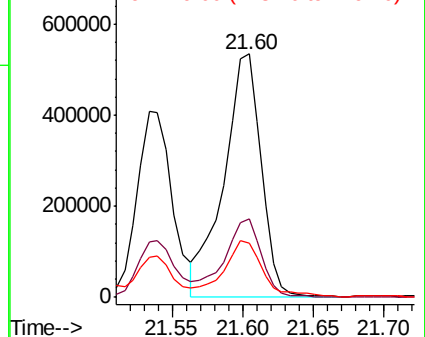


Abundance

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: 34.471 ng/ul

RT: 23.69 min Scan# 3506

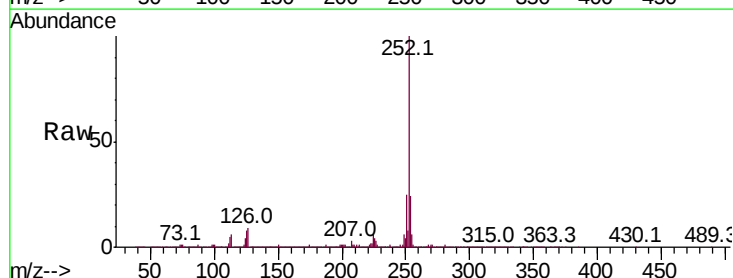
Delta R.T. 0.01 min

Lab File: BG046301.D

Acq: 17 Aug 2020 17:11

Tgt Ion:252 Resp: 1236345

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	8.3	6.4	9.6

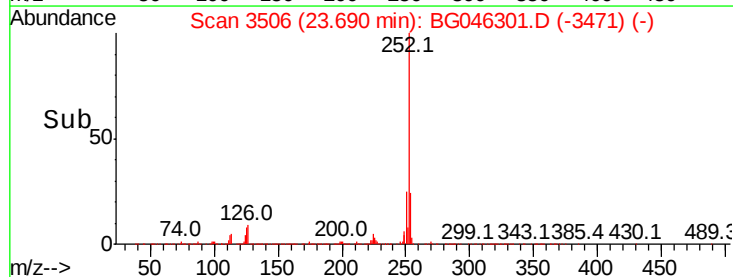
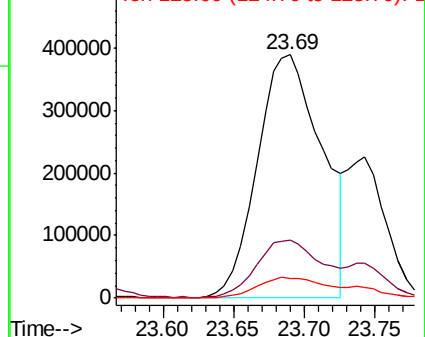


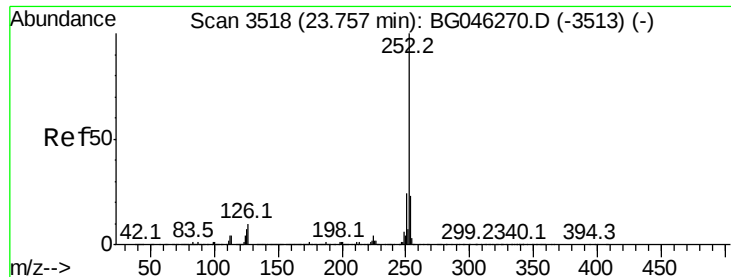
Abundance

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: 34.749 ng/ul

RT: 23.69 min Scan# 3506

Delta R.T. -0.06 min

Lab File: BG046301.D

Acq: 17 Aug 2020 17:11

Instrument :

BNA_G

ClientSampleId :

BFM87

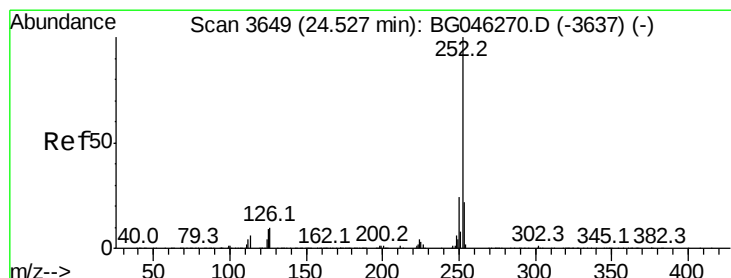
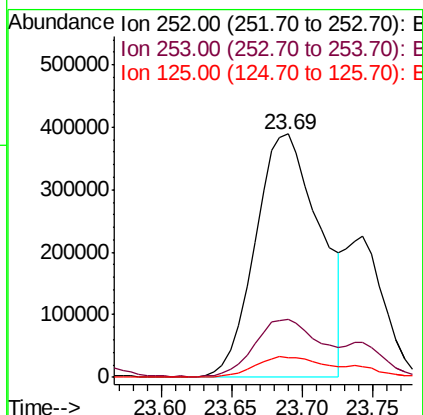
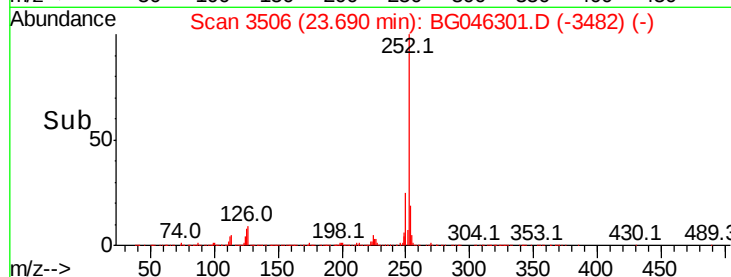
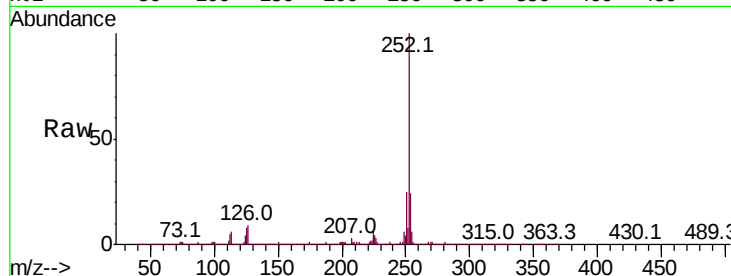
Tot Ion:252 Resp: 1236345

Ion Ratio Lower Upper

252 100

253 24.0 18.5 27.7

125 8.3 6.2 9.2



#27

Benzo(a)pyrene

Concen: 23.869 ng/ul

RT: 24.52 min Scan# 3647

Delta R.T. -0.01 min

Lab File: BG046301.D

Acq: 17 Aug 2020 17:11

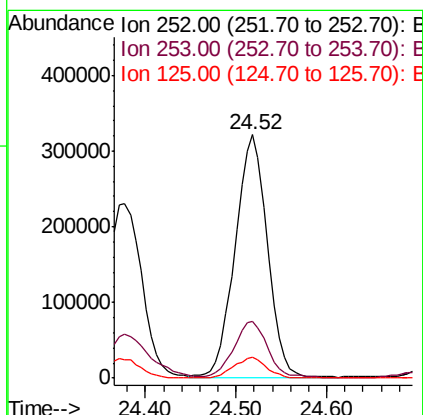
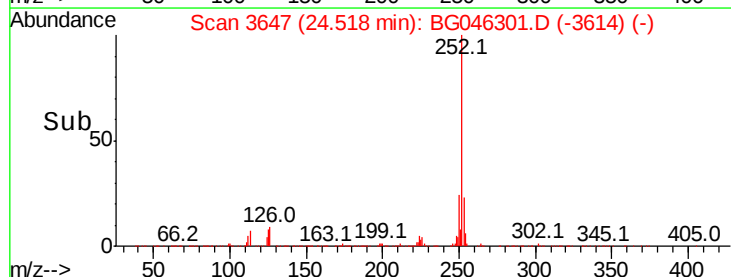
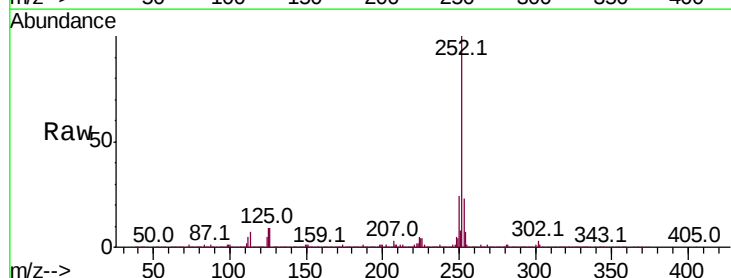
Tgt Ion:252 Resp: 785960

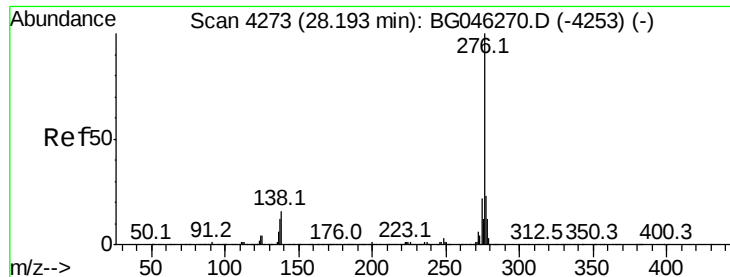
Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

125 8.7 7.1 10.7





#28

Indeno(1,2,3-cd)pyrene

Concen: 15.021 ng/ul

RT: 28.17 min Scan# 4268

Delta R.T. -0.01 min

Lab File: BG046301.D

Acq: 17 Aug 2020 17:11

Instrument :

BNA_G

ClientSampleId :

BFM87

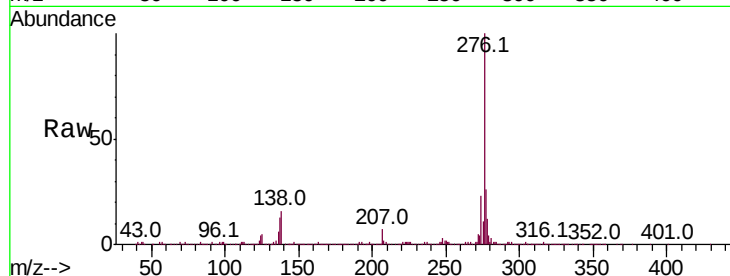
Tot Ion:276 Resp: 619317

Ion Ratio Lower Upper

276 100

138 15.9 13.2 19.8

277 25.6 19.9 29.9



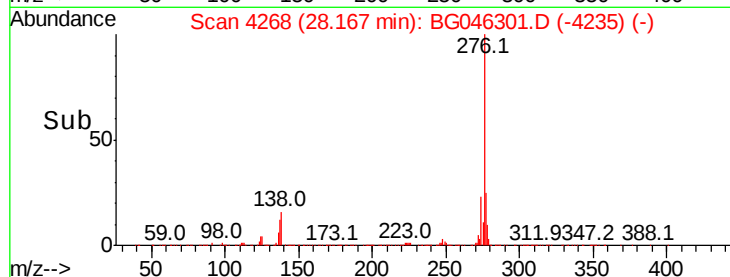
Abundance

Ion 276.00 (275.70 to 276.70): E

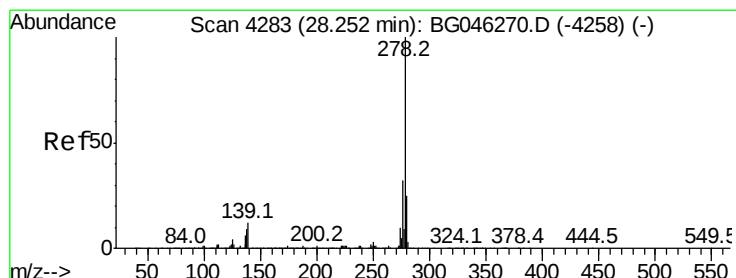
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

28.17



Time-->



#29

Dibenzo(a,h)anthracene

Concen: 4.655 ng/ul

RT: 28.21 min Scan# 4275

Delta R.T. -0.03 min

Lab File: BG046301.D

Acq: 17 Aug 2020 17:11

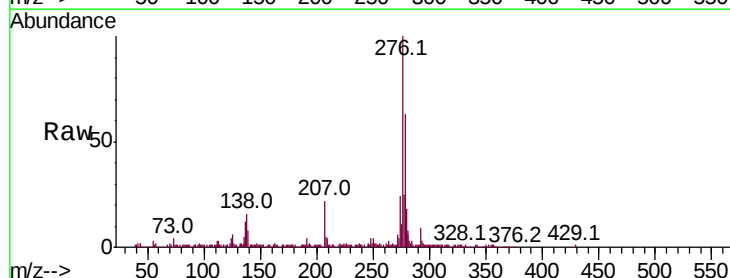
Tgt Ion:278 Resp: 155605

Ion Ratio Lower Upper

278 100

139 12.4 9.8 14.8

279 28.4 19.7 29.5



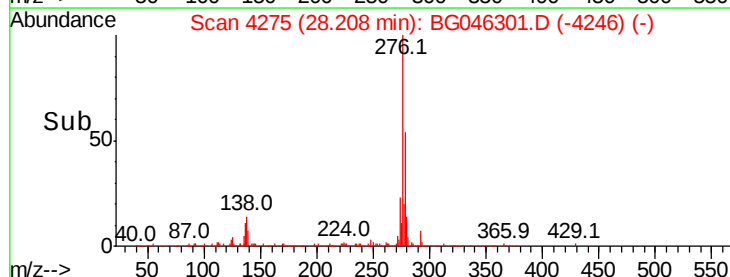
Abundance

Ion 278.00 (277.70 to 278.70): E

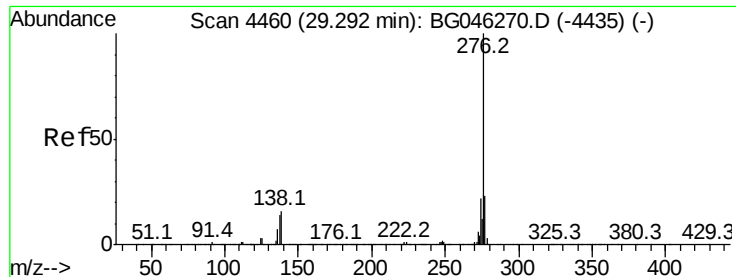
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

28.21



Time-->



#30

Benzo(a,h,i)perylene

Concen: 15.337 ng/ul

RT: 29.26 min Scan# 4454

Delta R.T. -0.01 min

Lab File: BG046301.D

Acq: 17 Aug 2020 17:11

Instrument :

BNA_G

ClientSampleId :

BFM87

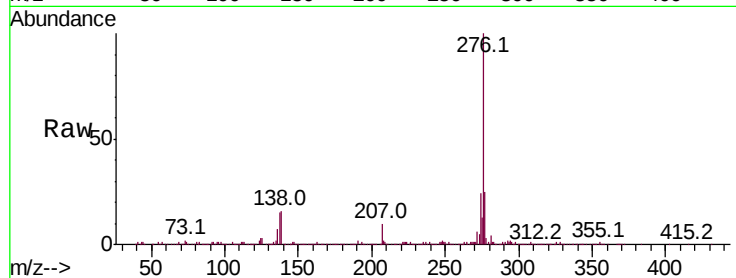
Tot Ion:276 Resp: 529221

Ion Ratio Lower Upper

276 100

138 15.6 12.9 19.3

277 24.8 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

