

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
 Data File : BG031080.D
 Acq On : 17 Nov 2017 13:46
 Operator : SJ/JU
 Sample : I6350-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0F81

Quant Time: Nov 18 00:38:58 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 18 00:38:46 2017
 Response via : Initial Calibration

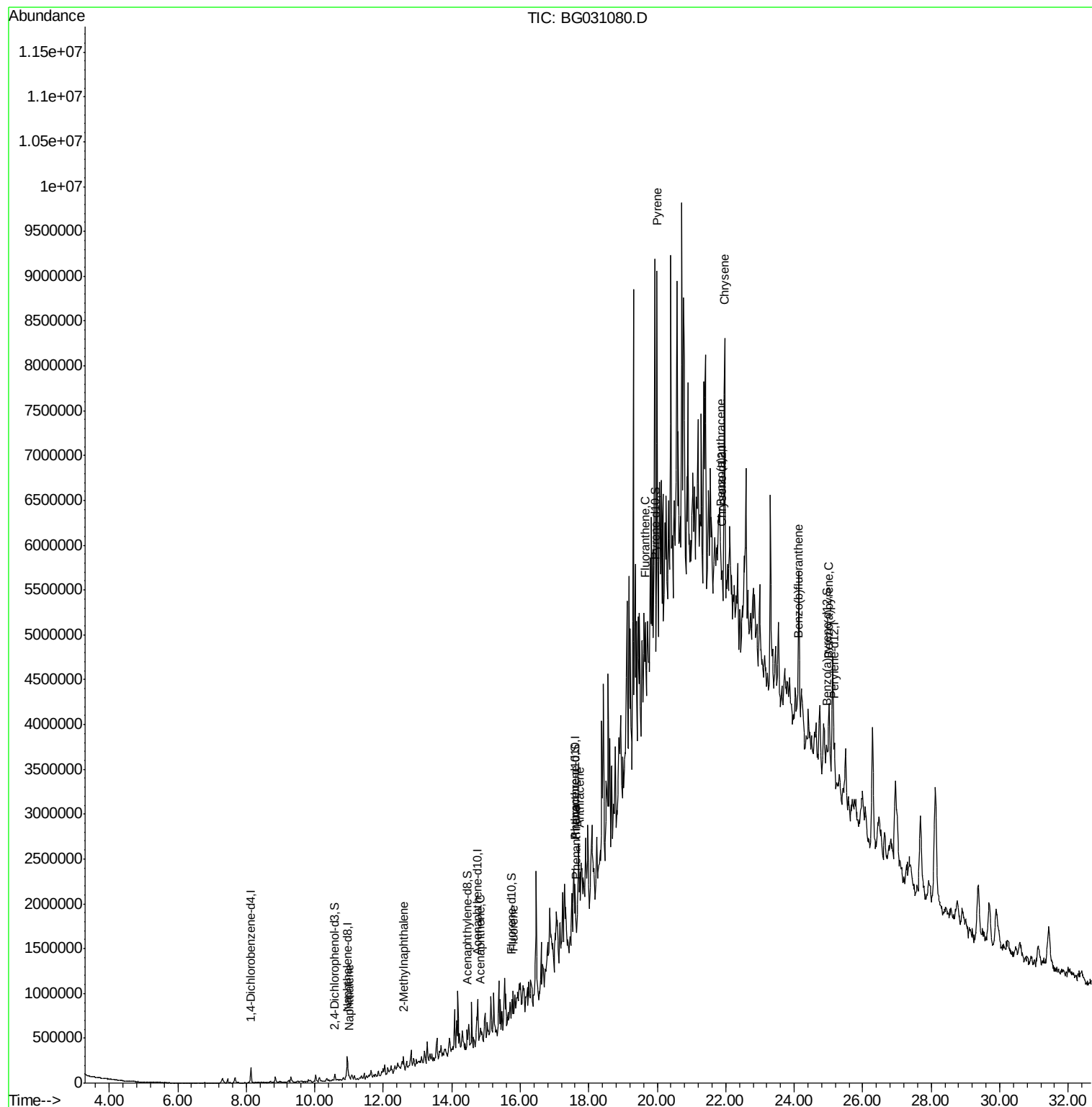
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	52558	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	223110	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.76	164	140927	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.60	188	189082	20.00	ng/ul	0.11
18) Chrysene-d12	21.89	240	3636	20.00	ng/ul	0.12
23) Perylene-d12	25.17	264	402358	20.00	ng/ul	0.12
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.59	165	37965	9.02	ng/uL	0.01
7) Acenaphthylene-d8	14.45	160	162824	11.11	ng/ul	0.00
10) Fluorene-d10	15.74	176	122313	10.39	ng/ul	0.00
15) Anthracene-d10	17.60	188	189082	19.98	ng/ul	0.01
19) Pyrene-d10	19.96	212	3562	21.45	ng/ul	0.09
26) Benzo(a)pyrene-d12	24.94	264	233018	11.71	ng/ul	0.11
Target Compounds						
					Qvalue	
4) Naphthalene	11.00	128	20462	1.92	ng/ul#	90
5) 2-Methylnaphthalene	12.59	142	81607	9.26	ng/ul	99
9) Acenaphthene	14.83	153	25095	2.71	ng/ul#	78
11) Fluorene	15.80	166	41332	3.52	ng/ul#	81
14) Phenanthrene	17.64	178	33393	3.29	ng/ul#	64
16) Anthracene	17.74	178	64392	6.25	ng/ul#	1
17) Fluoranthene	19.65	202	57810	4.09	ng/ul#	78
20) Pyrene	20.00	202	326613	1692.48	ng/ul#	76
21) Benzo(a)anthracene	21.86	228	746462	3369.64	ng/ul#	61
22) Chrysene	21.95	228	61717	292.91	ng/ul#	1
24) Benzo(b)fluoranthene	24.10	252	177591	7.31	ng/ul#	39
27) Benzo(a)pyrene	25.02	252	301066	12.92	ng/ul#	63

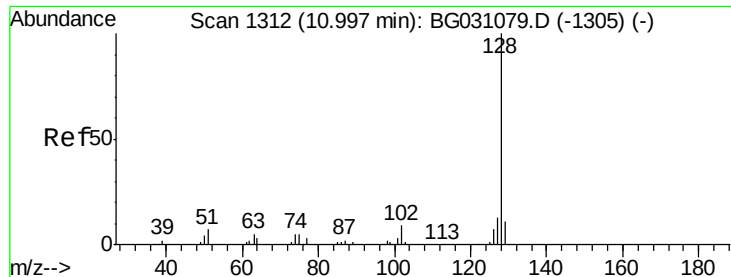
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.92 ng/ul

RT: 11.00 min Scan# 1313

Delta R.T. 0.01 min

Lab File: BG031080.D

Acq: 17 Nov 2017 13:46

Instrument :

BNA_G

ClientSampled :

B0F81

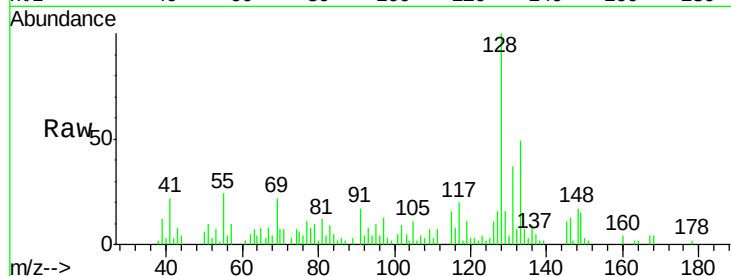
Tot Ion:128 Resp: 20462

Ion Ratio Lower Upper

128 100

129 16.2 9.1 13.7#

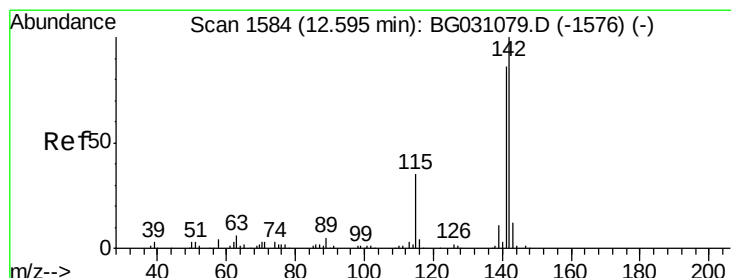
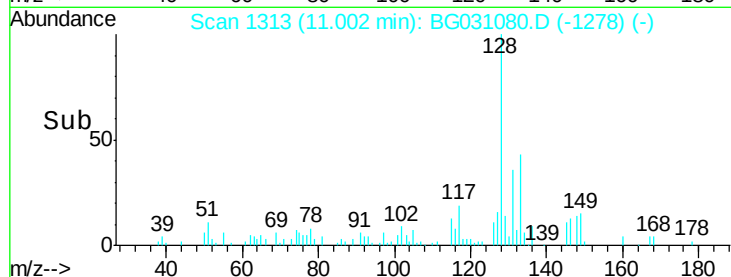
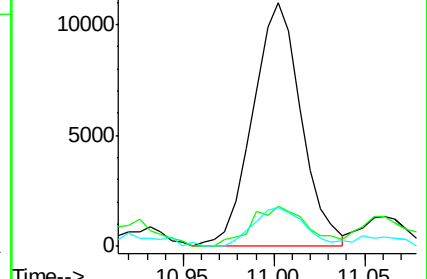
127 16.0 10.6 15.8#



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: 9.26 ng/ul

RT: 12.59 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BG031080.D

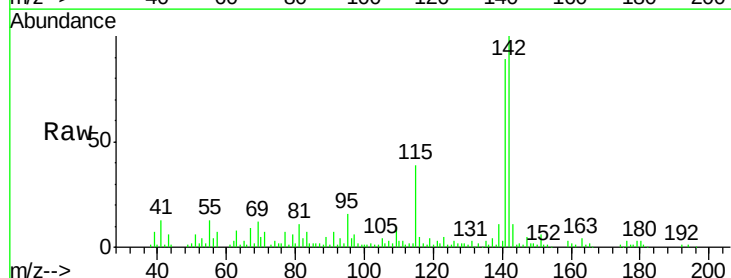
Acq: 17 Nov 2017 13:46

Tgt Ion:142 Resp: 81607

Ion Ratio Lower Upper

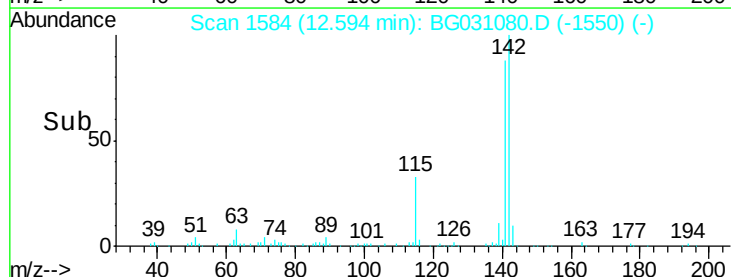
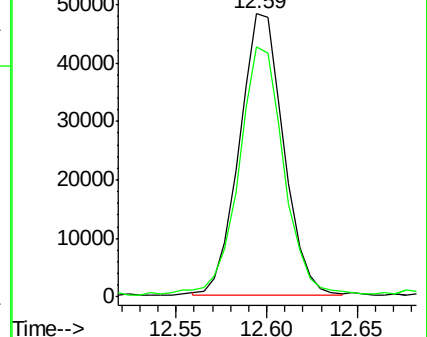
142 100

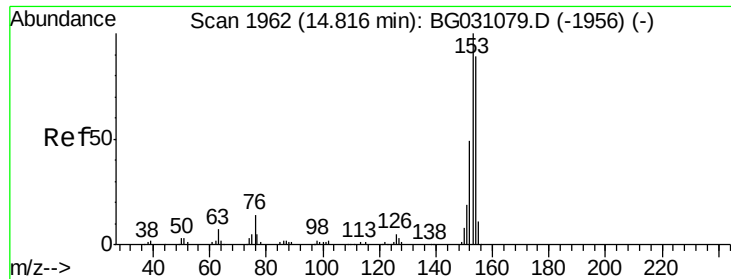
141 88.5 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthene

Concen: 2.71 ng/ul

RT: 14.83 min Scan# 1964

Delta R.T. 0.01 min

Lab File: BG031080.D

Acq: 17 Nov 2017 13:46

Instrument :

BNA_G

ClientSampleId :

B0F81

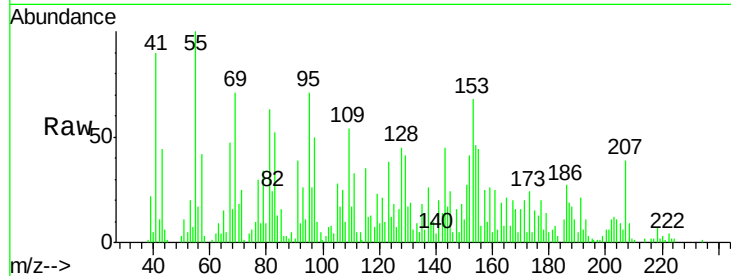
Tot Ion:153 Resp: 25095

Ion Ratio Lower Upper

153 100

152 60.7 37.9 56.9#

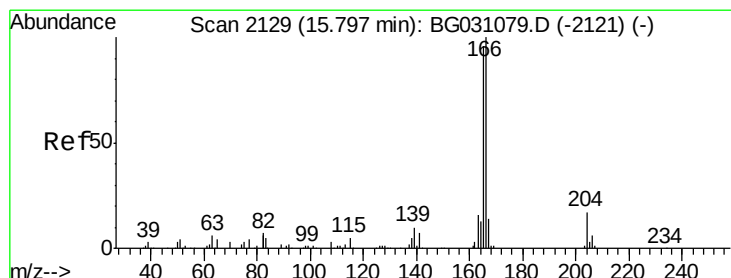
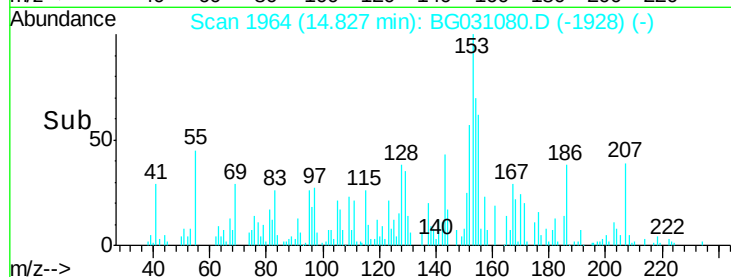
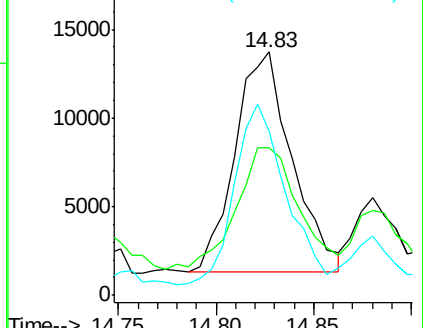
154 67.5 71.6 107.4#



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: 3.52 ng/ul

RT: 15.80 min Scan# 2130

Delta R.T. 0.01 min

Lab File: BG031080.D

Acq: 17 Nov 2017 13:46

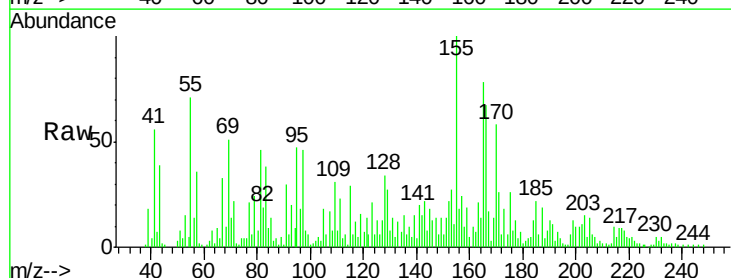
Tgt Ion:166 Resp: 41332

Ion Ratio Lower Upper

166 100

165 117.5 80.0 120.0

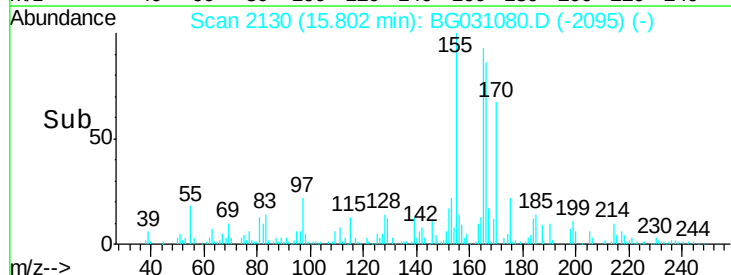
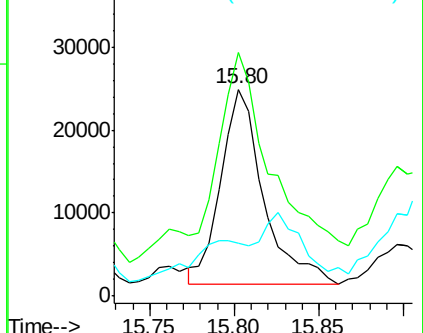
167 25.6 11.6 17.4#

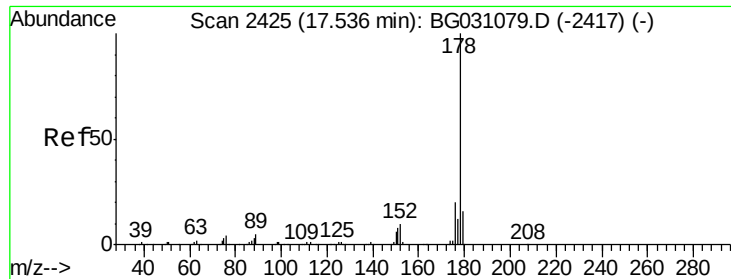


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#14

Phenanthrene

Concen: 3.29 ng/ul

RT: 17.64 min Scan# 2442

Delta R.T. 0.10 min

Lab File: BG031080.D

Acq: 17 Nov 2017 13:46

Instrument :

BNA_G

ClientSampleId :

B0F81

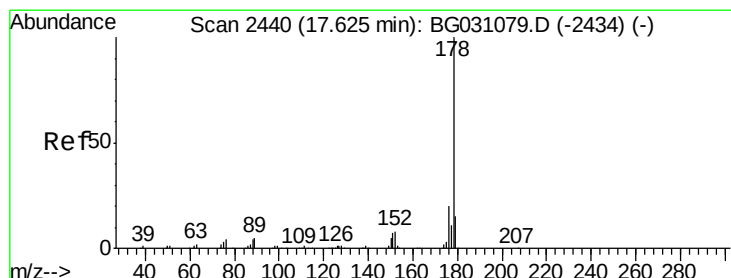
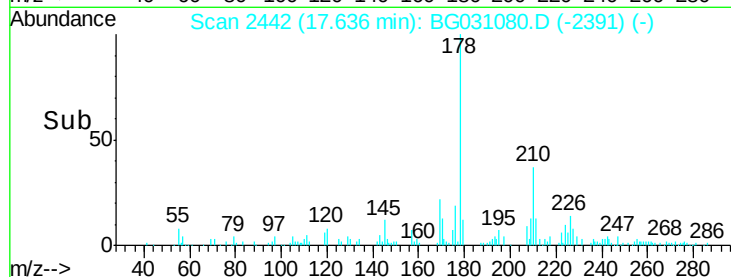
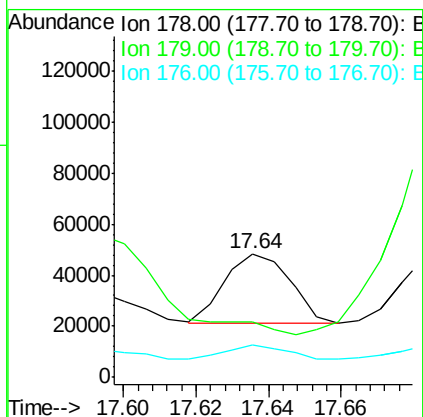
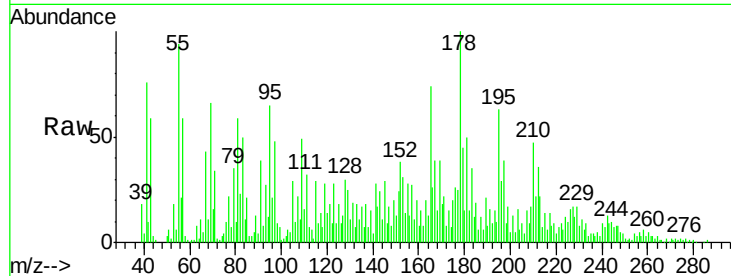
Tot Ion:178 Resp: 33393

Ion Ratio Lower Upper

178 100

179 44.5 12.2 18.4#

176 25.8 16.4 24.6#



#16

Anthracene

Concen: 6.25 ng/ul

RT: 17.74 min Scan# 2460

Delta R.T. 0.12 min

Lab File: BG031080.D

Acq: 17 Nov 2017 13:46

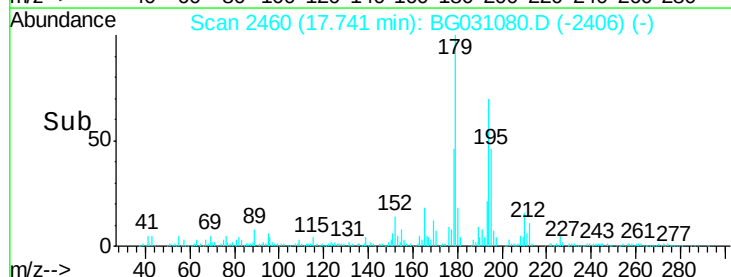
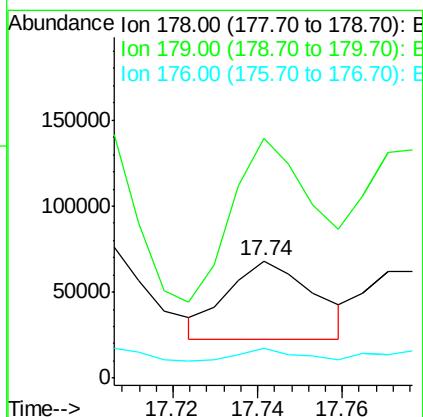
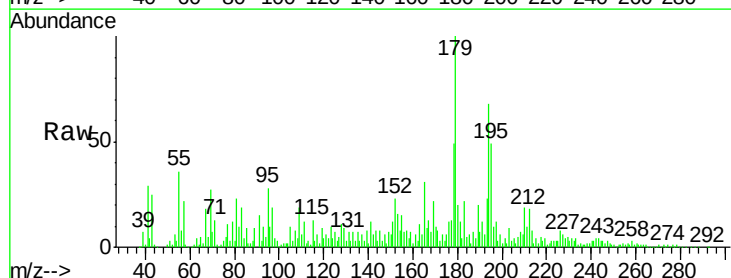
Tgt Ion:178 Resp: 64392

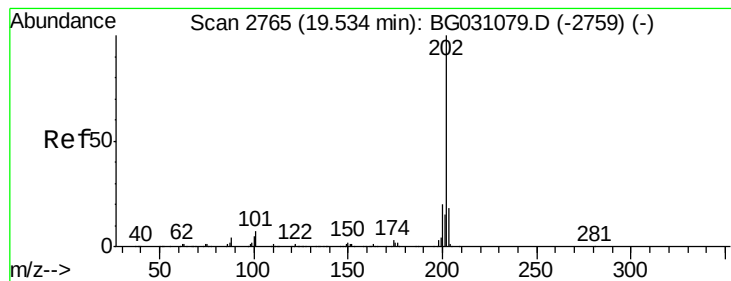
Ion Ratio Lower Upper

178 100

179 204.2 12.7 19.1#

176 25.2 15.8 23.8#





#17

Fluoranthene

Concen: 4.09 ng/ul

RT: 19.65 min Scan# 2785

Delta R.T. 0.12 min

Lab File: BG031080.D

Acq: 17 Nov 2017 13:46

Instrument :

BNA_G

ClientSampleId :

B0F81

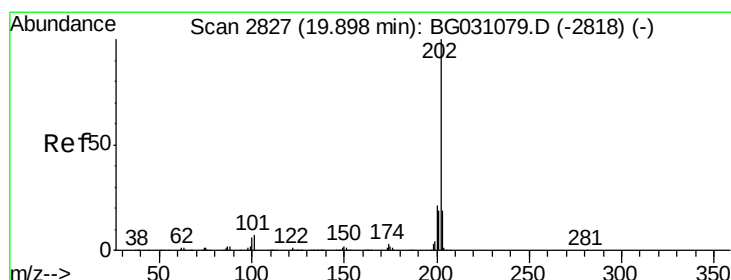
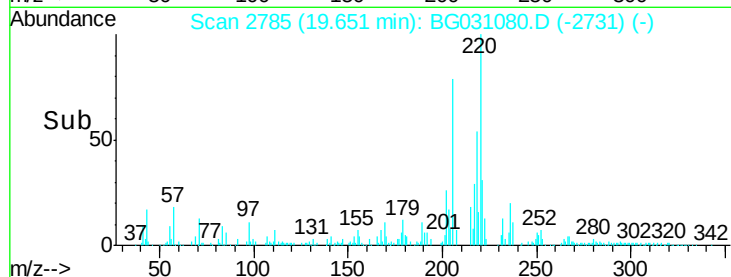
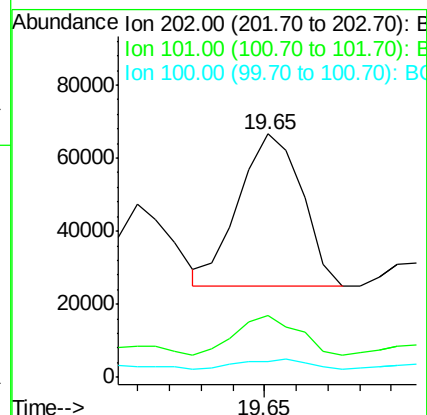
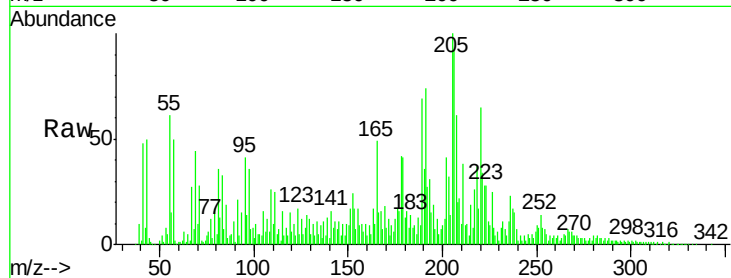
Tot Ion:202 Resp: 57810

Ion Ratio Lower Upper

202 100

101 25.2 9.8 14.8#

100 6.4 7.5 11.3#



#20

Pyrene

Concen: 1692.48 ng/ul

RT: 20.00 min Scan# 2844

Delta R.T. 0.10 min

Lab File: BG031080.D

Acq: 17 Nov 2017 13:46

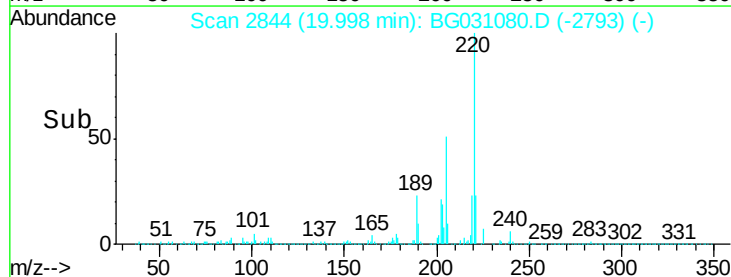
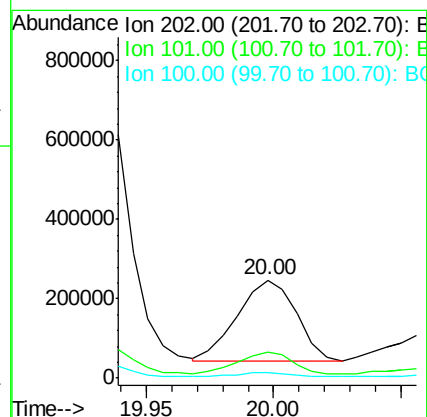
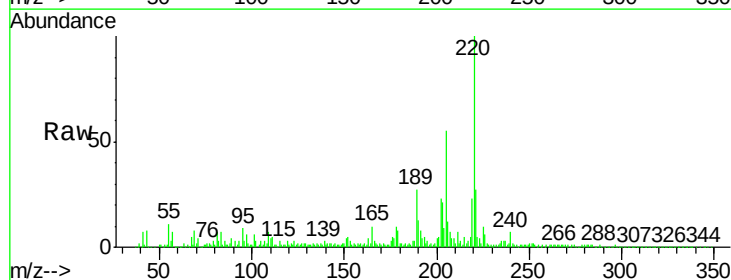
Tgt Ion:202 Resp: 326613

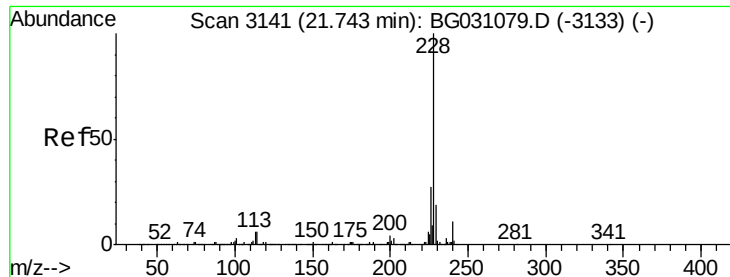
Ion Ratio Lower Upper

202 100

101 26.0 11.2 16.8#

100 5.2 9.8 14.6#





#21

Benzo(a)anthracene

Concen: 3369.64 ng/ul

RT: 21.86 min Scan# 3161

Delta R.T. 0.12 min

Lab File: BG031080.D

Acq: 17 Nov 2017 13:46

Instrument :

BNA_G

ClientSampleId :

B0F81

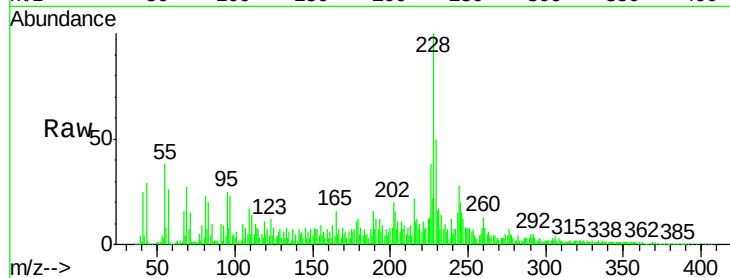
Tot Ion:228 Resp: 746462

Ion Ratio Lower Upper

228 100

229 49.7 15.9 23.9#

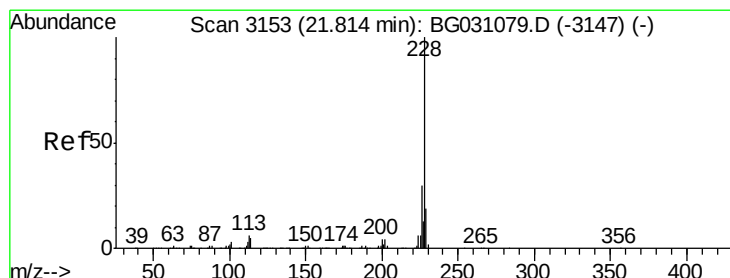
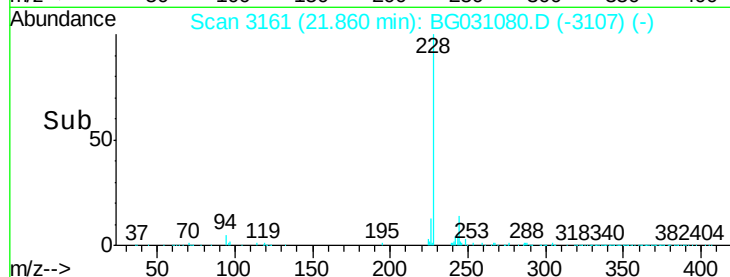
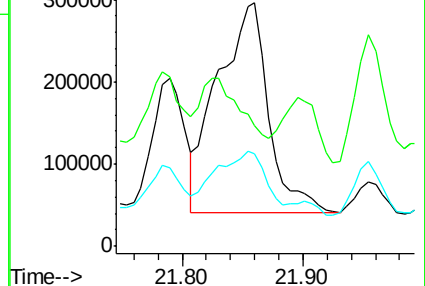
226 37.8 22.1 33.1#



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: 292.91 ng/ul

RT: 21.95 min Scan# 3177

Delta R.T. 0.14 min

Lab File: BG031080.D

Acq: 17 Nov 2017 13:46

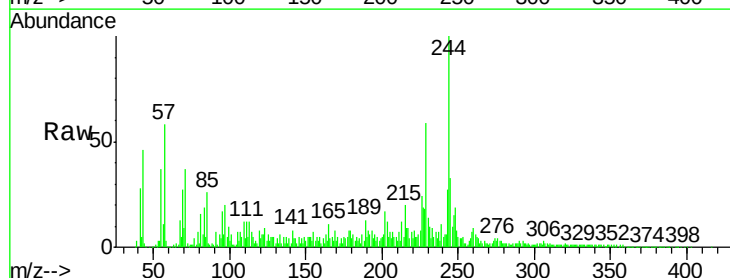
Tgt Ion:228 Resp: 61717

Ion Ratio Lower Upper

228 100

226 130.5 25.0 37.6#

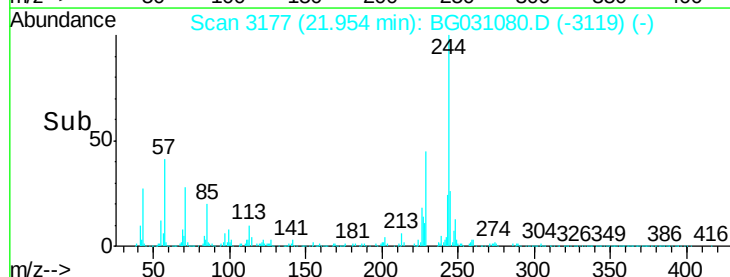
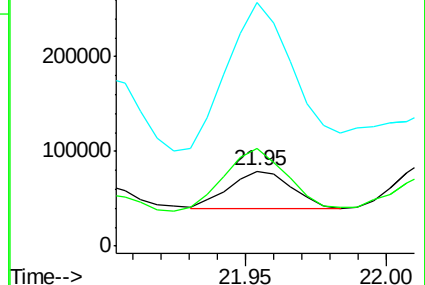
229 325.3 16.6 25.0#

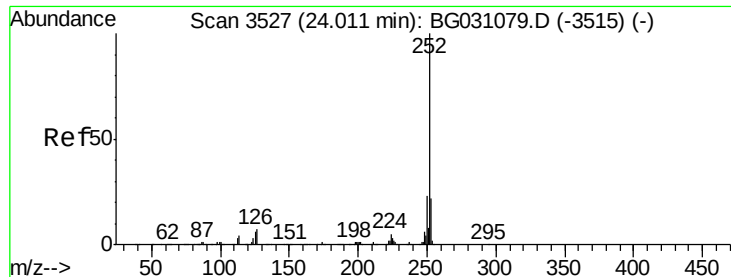


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 7.31 ng/ul

RT: 24.10 min Scan# 3542

Delta R.T. 0.09 min

Lab File: BG031080.D

Acq: 17 Nov 2017 13:46

Instrument :

BNA_G

ClientSampled :

B0F81

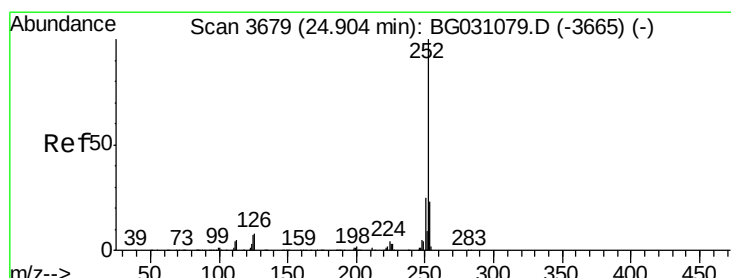
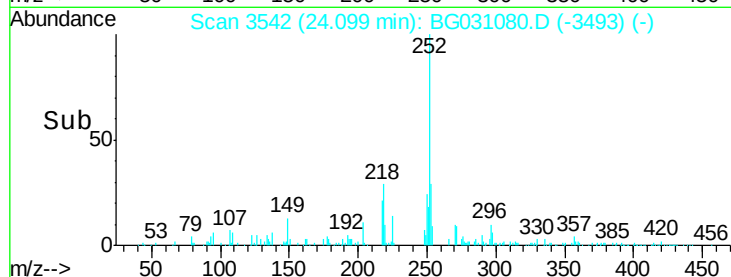
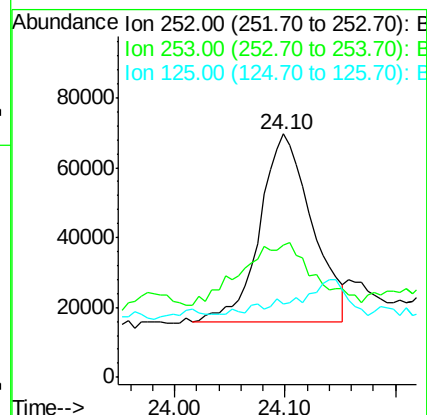
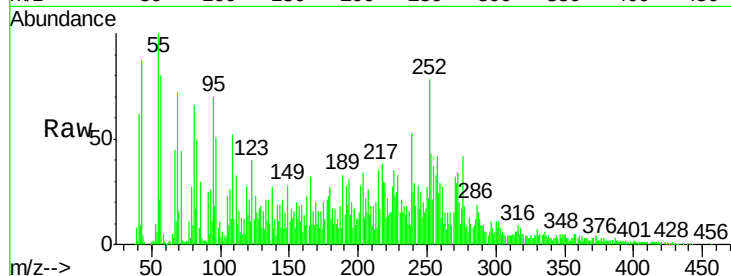
Tot Ion:252 Resp: 177591

Ion Ratio Lower Upper

252 100

253 54.4 17.8 26.6#

125 30.0 9.4 14.0#



#27

Benzo(a)pyrene

Concen: 12.92 ng/ul

RT: 25.02 min Scan# 3698

Delta R.T. 0.11 min

Lab File: BG031080.D

Acq: 17 Nov 2017 13:46

Tgt Ion:252 Resp: 301066

Ion Ratio Lower Upper

252 100

253 41.0 17.1 25.7#

125 22.7 9.4 14.2#

