

Data Path : Z:\HPCHEM1\BNA_G\Data\BG111617\
 Data File : BG031077.D
 Acq On : 17 Nov 2017 11:38
 Operator : SJ/JU
 Sample : SSTDC0020EC
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02063

Quant Time: Nov 17 13:34:30 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Nov 17 04:52:45 2017
 Response via : Initial Calibration

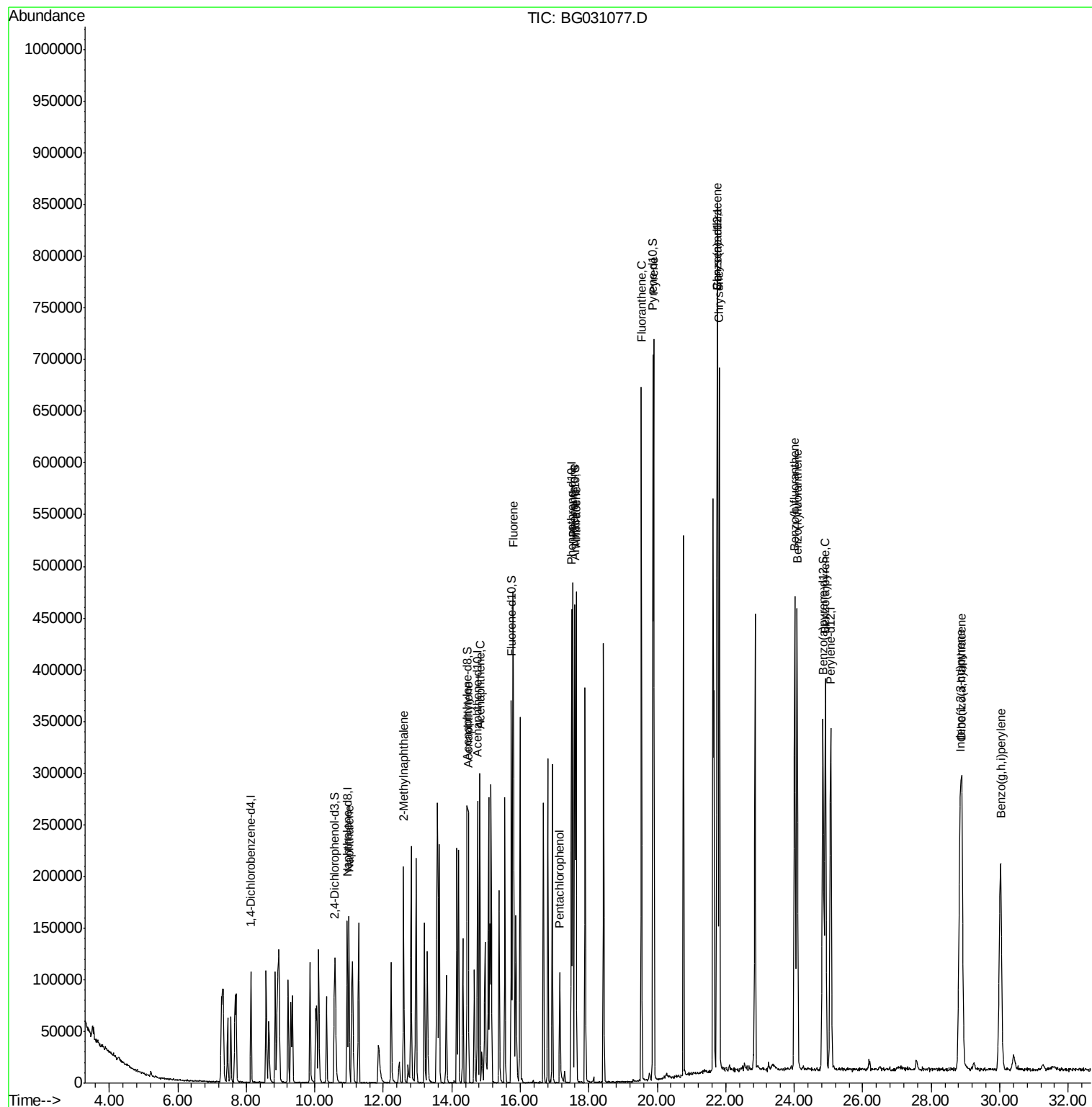
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	32590	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	142857	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.76	164	100289	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.49	188	297898	20.00	ng/ul	0.00
18) Chrysene-d12	21.77	240	403119	20.00	ng/ul	0.00
23) Perylene-d12	25.07	264	387038	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.57	165	52513	19.48	ng/uL	0.00
7) Acenaphthylene-d8	14.45	160	213626	20.48	ng/ul	0.00
10) Fluorene-d10	15.74	176	165918	19.81	ng/ul	0.00
15) Anthracene-d10	17.59	188	299931	20.12	ng/ul	0.00
19) Pyrene-d10	19.87	212	413664	22.46	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.84	264	382618	19.98	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	11.00	128	138575	20.265	ng/ul	99
5) 2-Methylnaphthalene	12.59	142	109255	19.361	ng/ul	92
8) Acenaphthylene	14.48	152	192243	21.045	ng/ul	99
9) Acenaphthene	14.82	153	133179	20.206	ng/ul	97
11) Fluorene	15.80	166	163478	19.580	ng/ul	97
13) Pentachlorophenol	17.15	266	29002	16.688	ng/uL	96
14) Phenanthrene	17.54	178	315668	19.745	ng/ul	99
16) Anthracene	17.63	178	324011	19.960	ng/ul	99
17) Fluoranthene	19.54	202	470949	21.168	ng/ul#	86
20) Pyrene	19.90	202	477503	22.318	ng/ul#	84
21) Benzo(a)anthracene	21.75	228	511393	20.822	ng/ul	99
22) Chrysene	21.81	228	471087	20.166	ng/ul	97
24) Benzo(b)fluoranthene	24.01	252	474387	20.286	ng/ul#	94
25) Benzo(k)fluoranthene	24.09	252	473607	20.559	ng/ul#	94
27) Benzo(a)pyrene	24.91	252	458399	20.452	ng/ul#	93
28) Indeno(1,2,3-cd)pyrene	28.84	276	519142	20.320	ng/ul#	90
29) Dibenzo(a,h)anthracene	28.90	278	436776	20.648	ng/ul#	89
30) Benzo(g,h,i)perylene	30.03	276	432807	20.346	ng/ul#	87

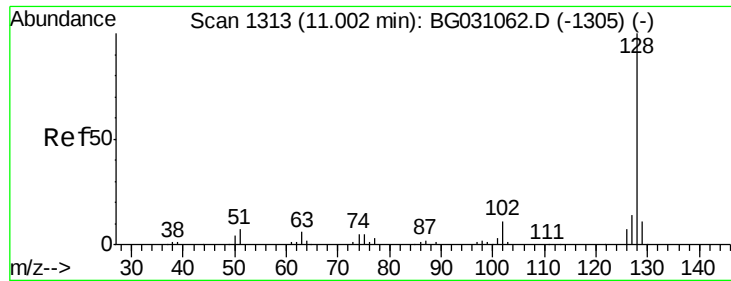
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 20.265 ng/ul

RT: 11.00 min Scan# 1313

Delta R.T. 0.00 min

Lab File: BG031077.D

Acq: 17 Nov 2017 11:38

Instrument :

BNA_G

ClientSampleId :

SSTD02063

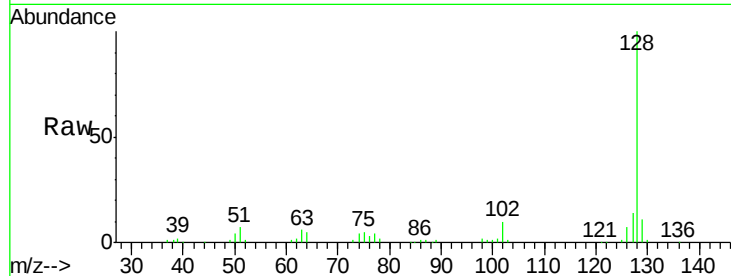
Tgt Ion:128 Resp: 138575

Ion Ratio Lower Upper

128 100

129 11.5 9.1 13.7

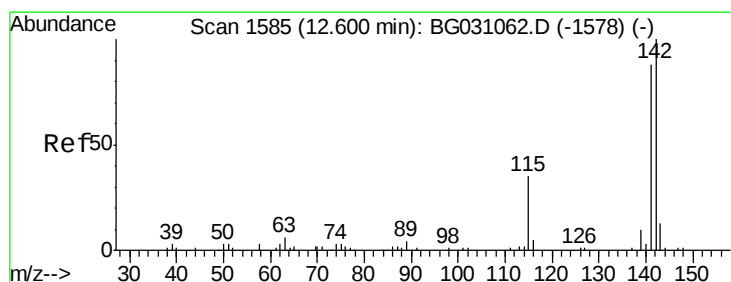
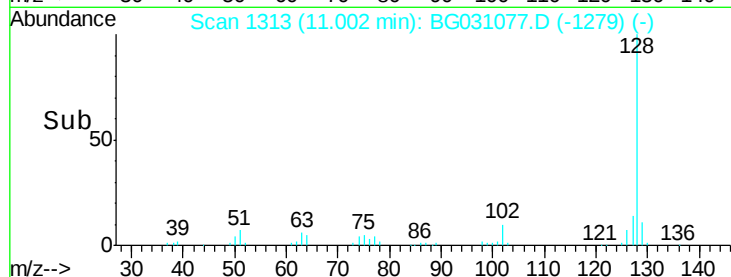
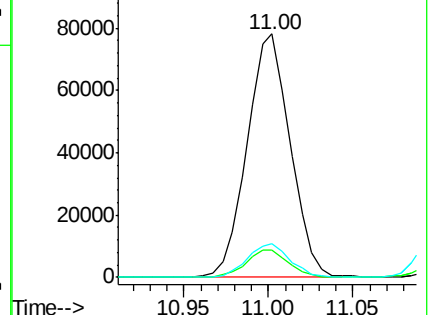
127 13.8 10.6 15.8



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: 19.361 ng/ul

RT: 12.59 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BG031077.D

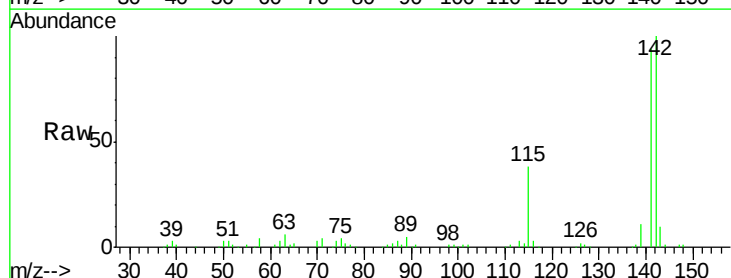
Acq: 17 Nov 2017 11:38

Tgt Ion:142 Resp: 109255

Ion Ratio Lower Upper

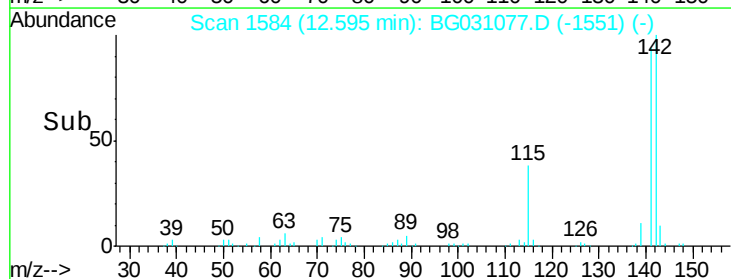
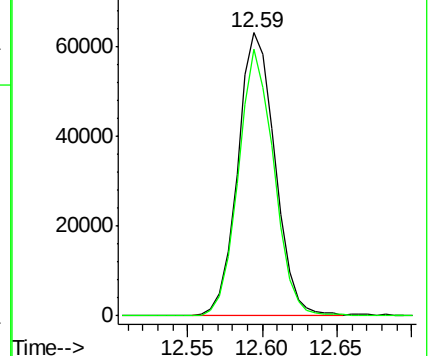
142 100

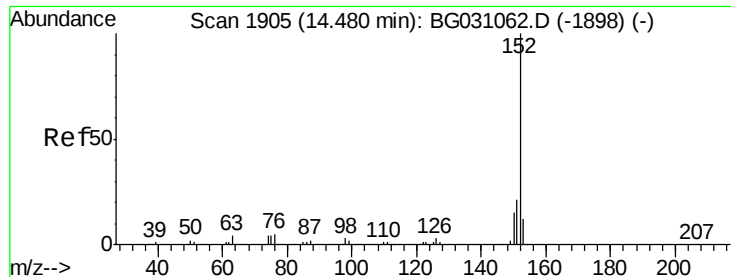
141 94.4 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 21.045 ng/ul

RT: 14.48 min Scan# 1905

Delta R.T. 0.00 min

Lab File: BG031077.D

Acq: 17 Nov 2017 11:38

Instrument :

BNA_G

ClientSampleId :

SSTD02063

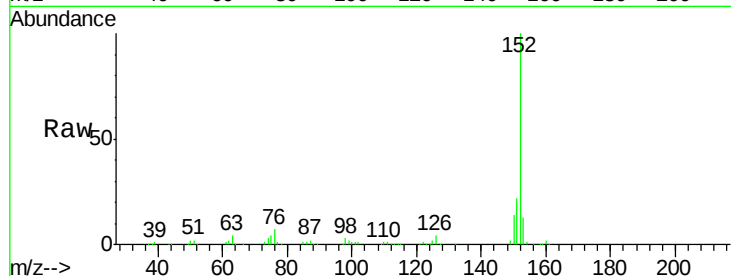
Tgt Ion:152 Resp: 192243

Ion Ratio Lower Upper

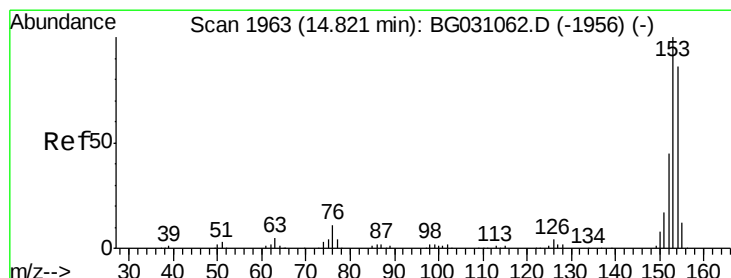
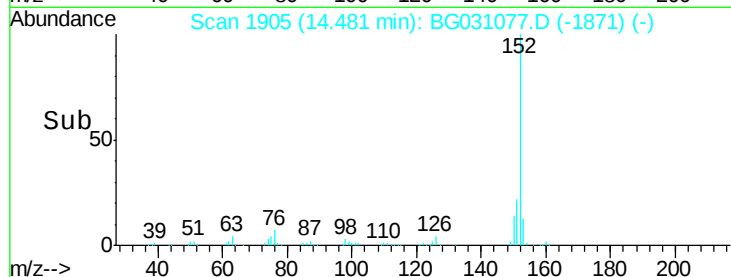
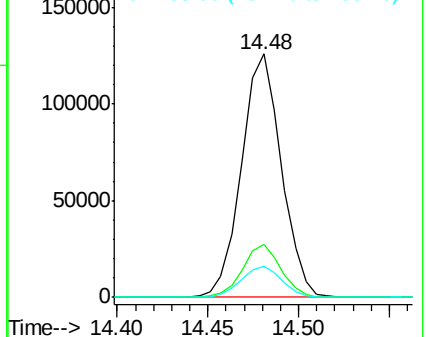
152 100

151 21.7 17.5 26.3

153 12.9 10.6 16.0



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: 20.206 ng/ul

RT: 14.82 min Scan# 1963

Delta R.T. 0.00 min

Lab File: BG031077.D

Acq: 17 Nov 2017 11:38

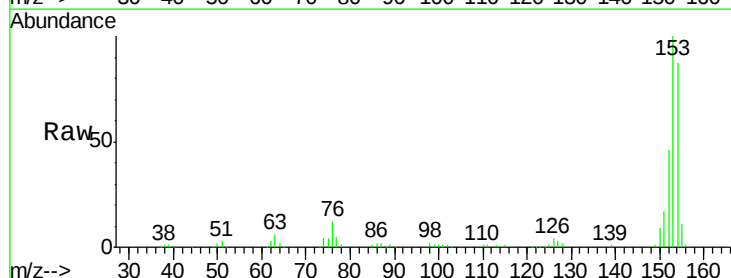
Tgt Ion:153 Resp: 133179

Ion Ratio Lower Upper

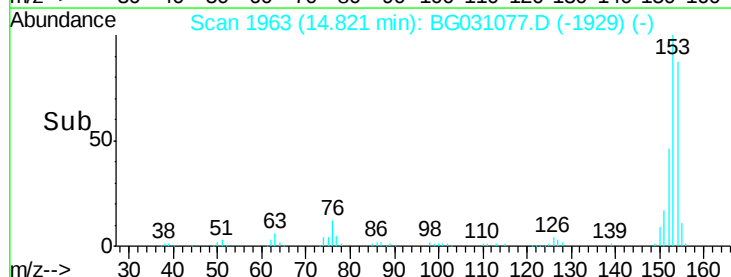
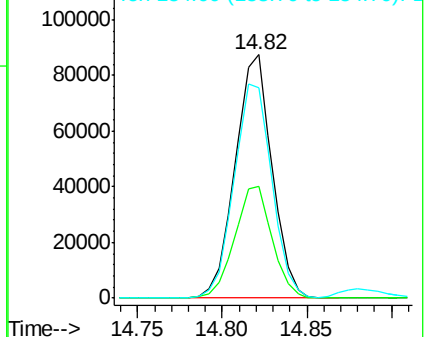
153 100

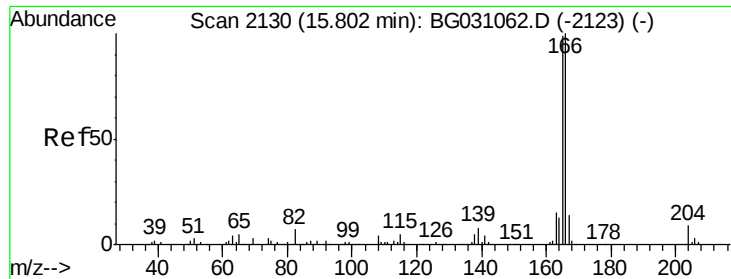
152 46.0 37.9 56.9

154 86.5 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: 19.580 ng/uL

RT: 15.80 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BG031077.D

Acq: 17 Nov 2017 11:38

Instrument :

BNA_G

ClientSampleId :

SSTD02063

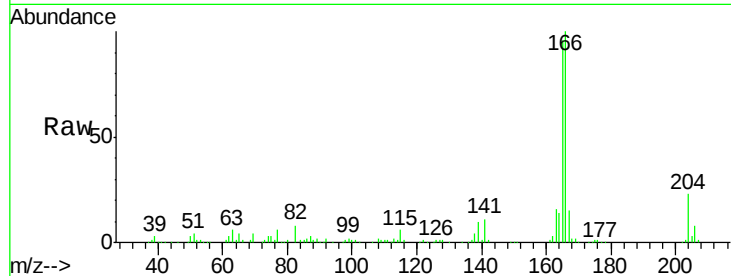
Tgt Ion:166 Resp: 163478

Ion Ratio Lower Upper

166 100

165 96.5 80.0 120.0

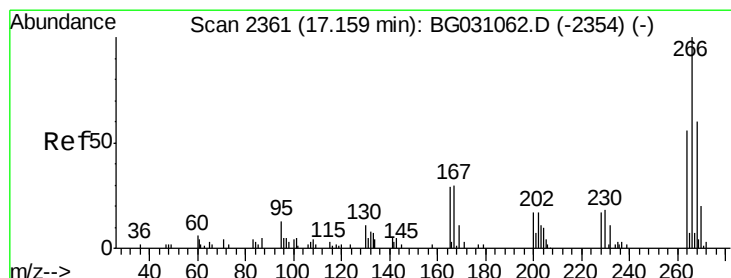
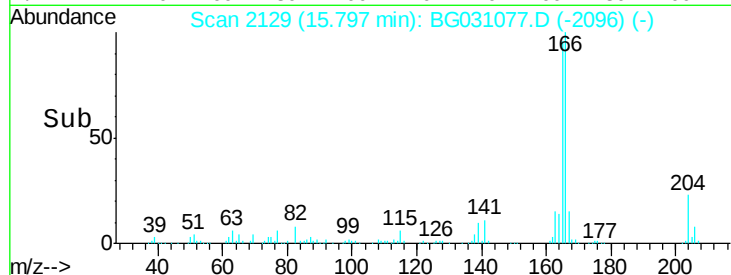
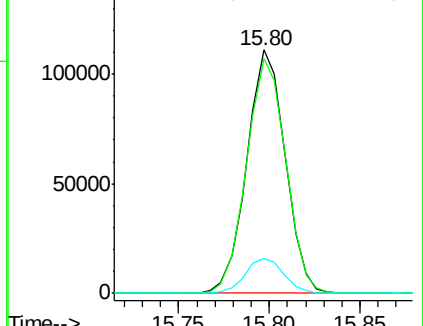
167 14.5 11.6 17.4



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



#13

Pentachlorophenol

Concen: 16.688 ng/uL

RT: 17.15 min Scan# 2360

Delta R.T. -0.01 min

Lab File: BG031077.D

Acq: 17 Nov 2017 11:38

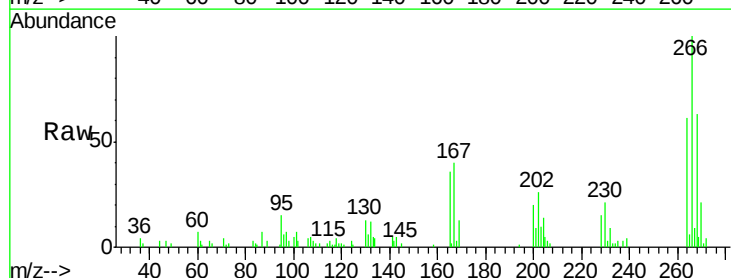
Tgt Ion:266 Resp: 29002

Ion Ratio Lower Upper

266 100

264 60.8 52.0 78.0

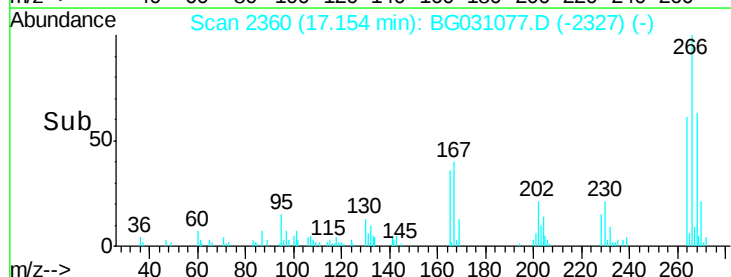
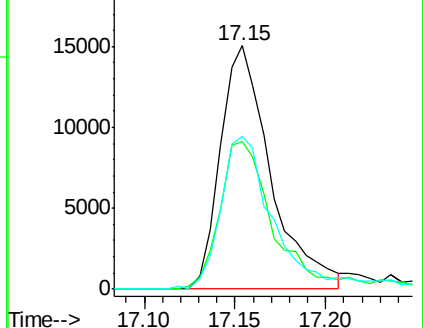
268 62.6 51.2 76.8

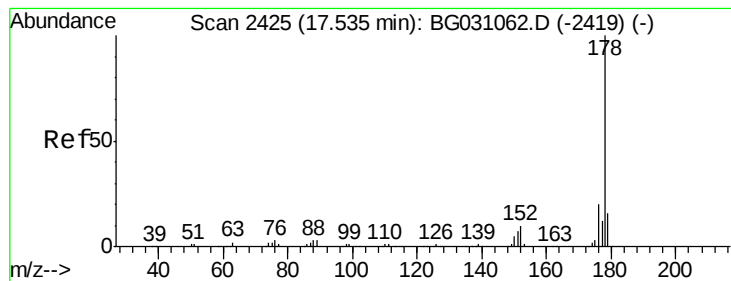


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 19.745 ng/ul

RT: 17.54 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BG031077.D

Acq: 17 Nov 2017 11:38

Instrument :

BNA_G

ClientSampleId :

SSTD02063

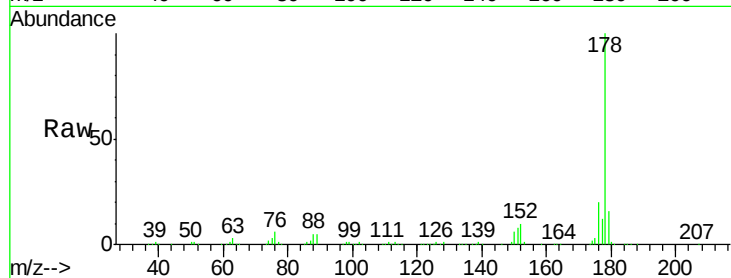
Tgt Ion:178 Resp: 315668

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.4

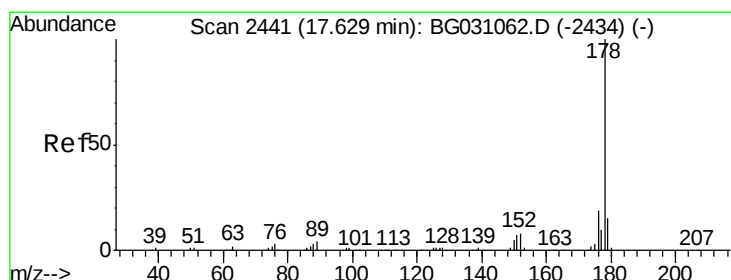
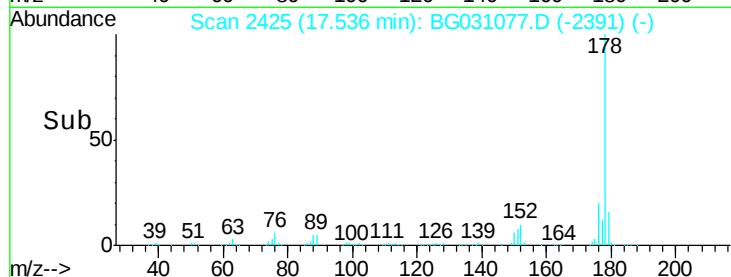
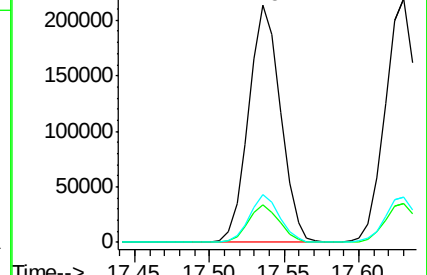
176 20.4 16.4 24.6



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: 19.960 ng/ul

RT: 17.63 min Scan# 2441

Delta R.T. 0.00 min

Lab File: BG031077.D

Acq: 17 Nov 2017 11:38

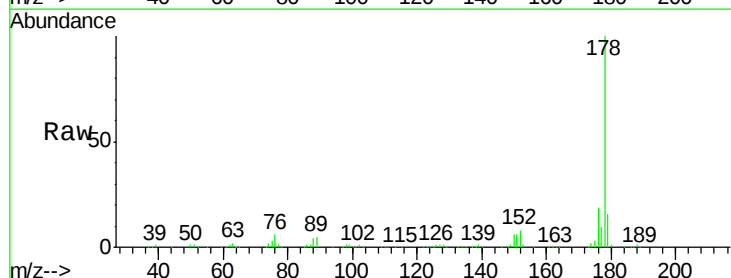
Tgt Ion:178 Resp: 324011

Ion Ratio Lower Upper

178 100

179 15.9 12.7 19.1

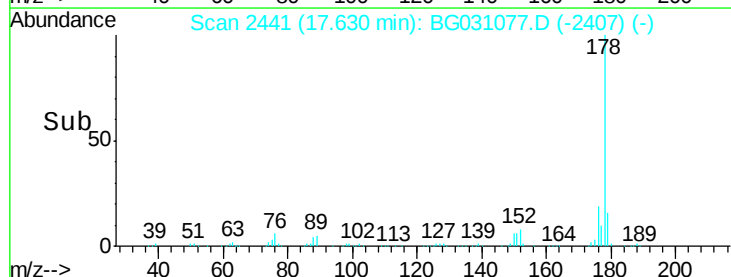
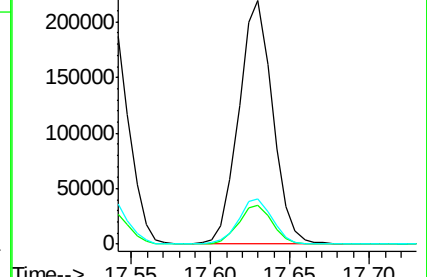
176 18.8 15.8 23.8

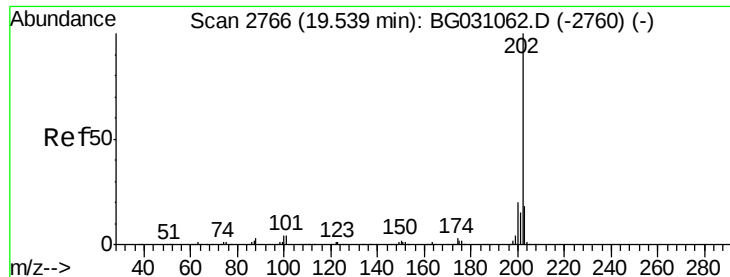


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#17

Fluoranthene

Concen: 21.168 ng/ul

RT: 19.54 min Scan# 2766

Delta R.T. 0.00 min

Lab File: BG031077.D

Acq: 17 Nov 2017 11:38

Instrument :

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ClientSampleId :

SSTD02063

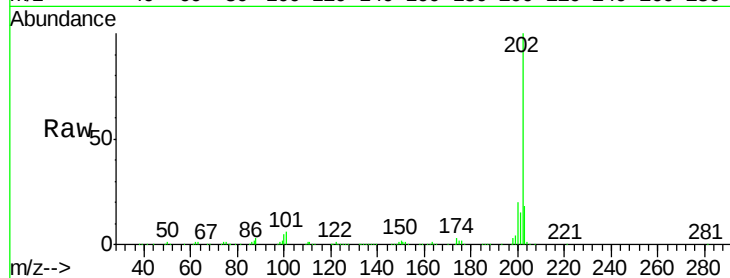
Tgt Ion:202 Resp: 470949

Ion Ratio Lower Upper

202 100

101 6.0 9.8 14.8#

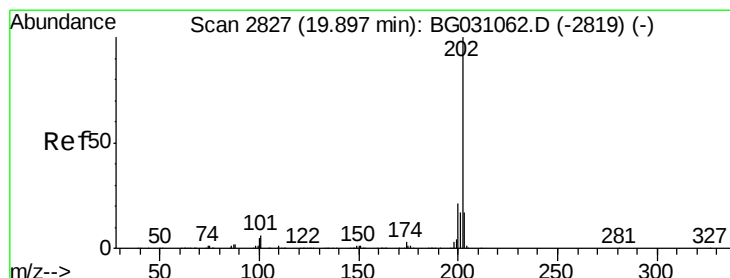
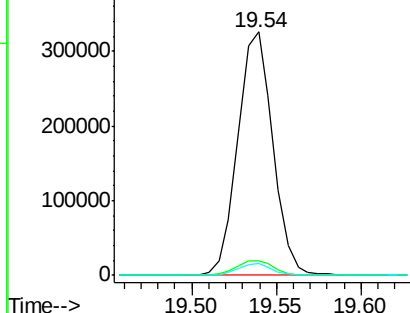
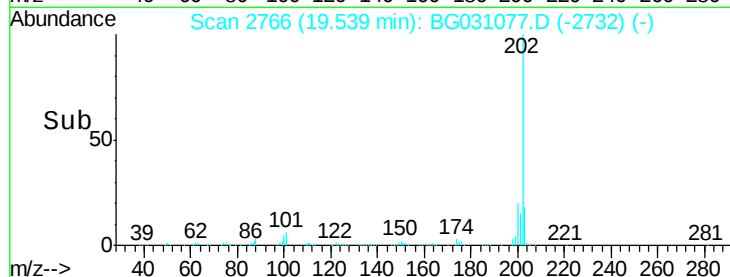
100 4.9 7.5 11.3#



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

Pyrene

Concen: 22.318 ng/ul

RT: 19.90 min Scan# 2827

Delta R.T. 0.00 min

Lab File: BG031077.D

Acq: 17 Nov 2017 11:38

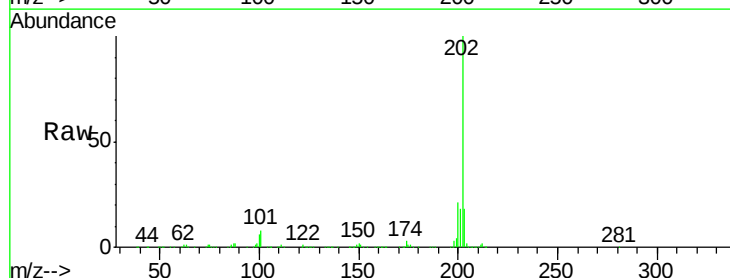
Tgt Ion:202 Resp: 477503

Ion Ratio Lower Upper

202 100

101 7.7 11.2 16.8#

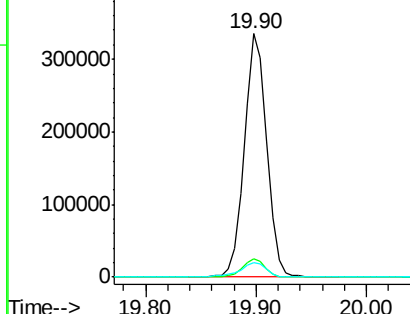
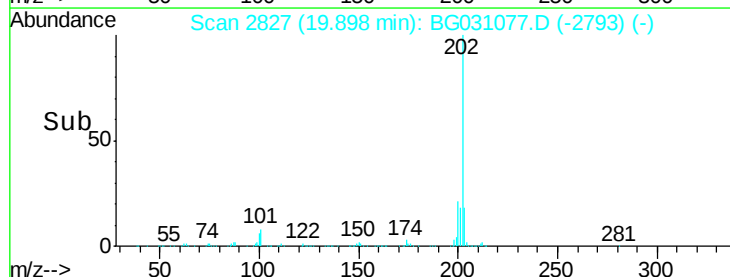
100 6.1 9.8 14.6#

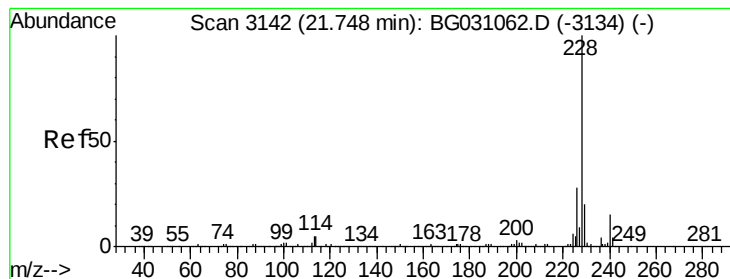


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 20.822 ng/ul

RT: 21.75 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BG031077.D

Acq: 17 Nov 2017 11:38

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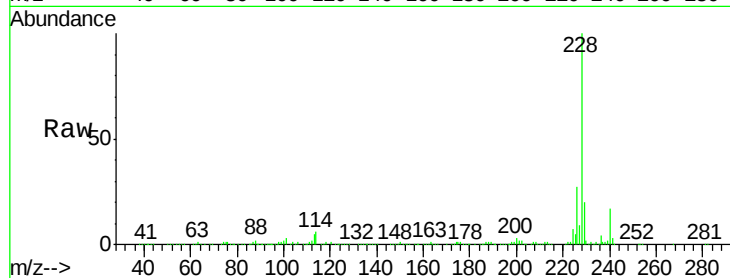
Tgt Ion:228 Resp: 511393

Ion Ratio Lower Upper

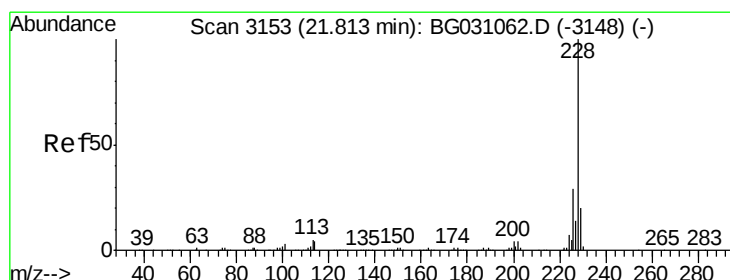
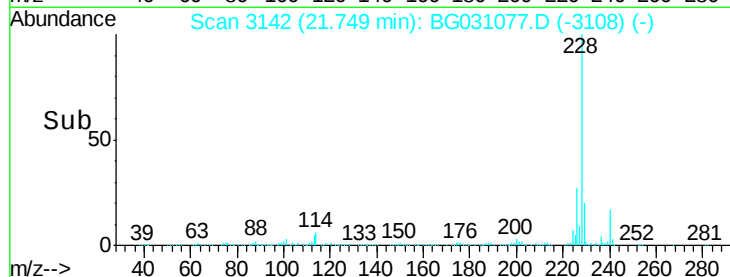
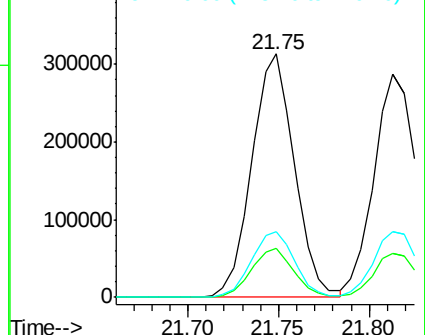
228 100

229 20.0 15.9 23.9

226 27.0 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: 20.166 ng/ul

RT: 21.81 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BG031077.D

Acq: 17 Nov 2017 11:38

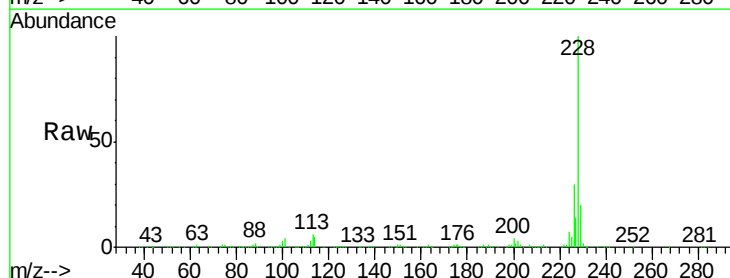
Tgt Ion:228 Resp: 471087

Ion Ratio Lower Upper

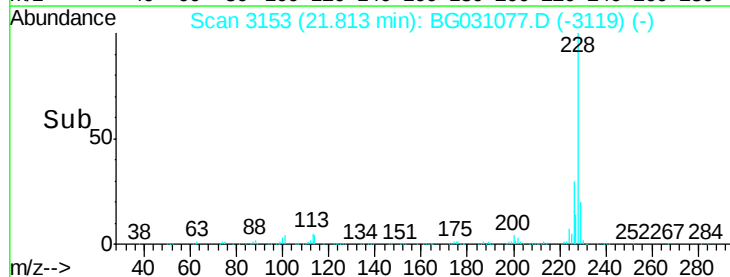
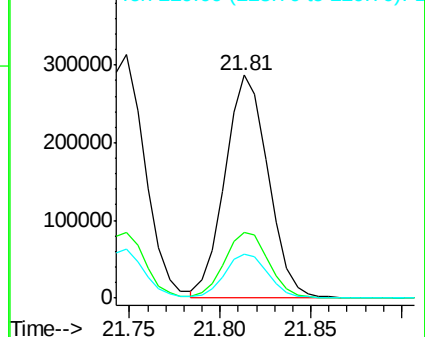
228 100

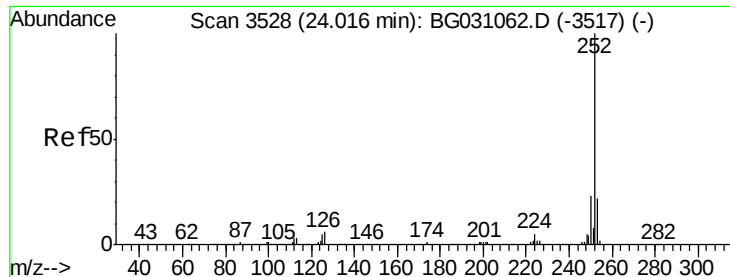
226 29.6 25.0 37.6

229 19.8 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: 20.286 ng/ul

RT: 24.01 min Scan# 3527

Delta R.T. -0.01 min

Lab File: BG031077.D

Acq: 17 Nov 2017 11:38

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SSTD02063

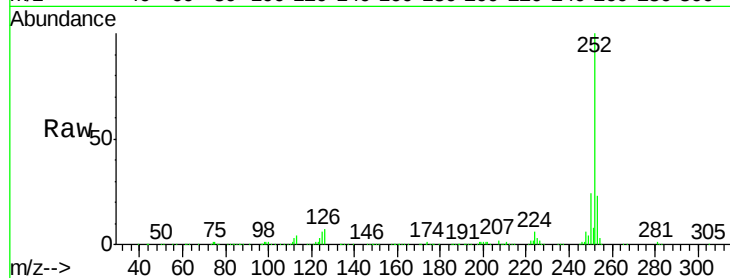
Tgt Ion:252 Resp: 474387

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

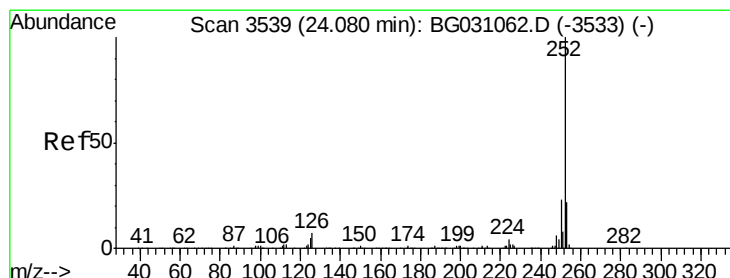
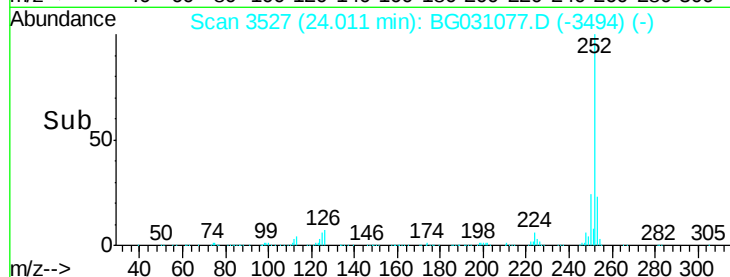
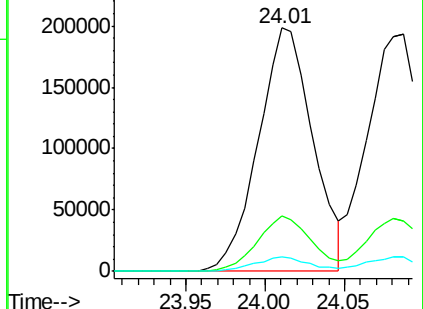
125 5.9 9.4 14.0#



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: 20.559 ng/ul

RT: 24.09 min Scan# 3540

Delta R.T. 0.01 min

Lab File: BG031077.D

Acq: 17 Nov 2017 11:38

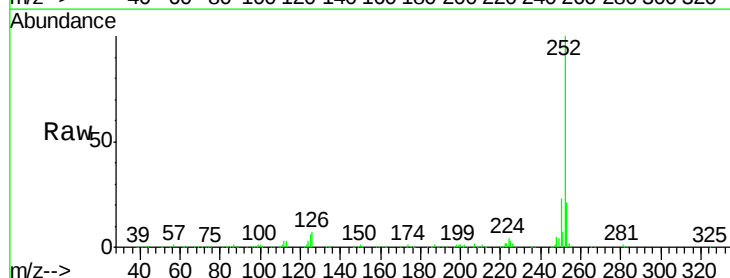
Tgt Ion:252 Resp: 473607

Ion Ratio Lower Upper

252 100

253 21.0 17.4 26.2

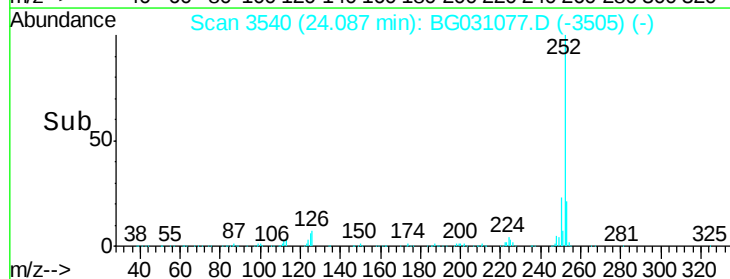
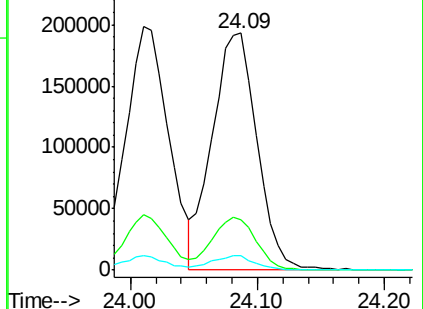
125 5.9 8.8 13.2#

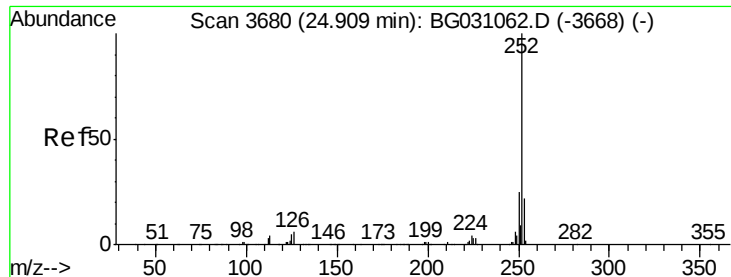


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 20.452 ng/ul

RT: 24.91 min Scan# 3680

Delta R.T. 0.00 min

Lab File: BG031077.D

Acq: 17 Nov 2017 11:38

Instrument :

BNA_G

ClientSampleId :

SSTD02063

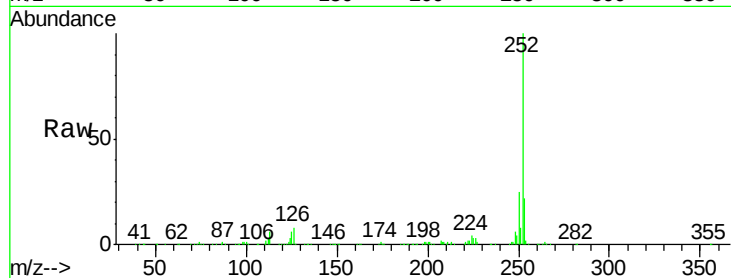
Tgt Ion:252 Resp: 458399

Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

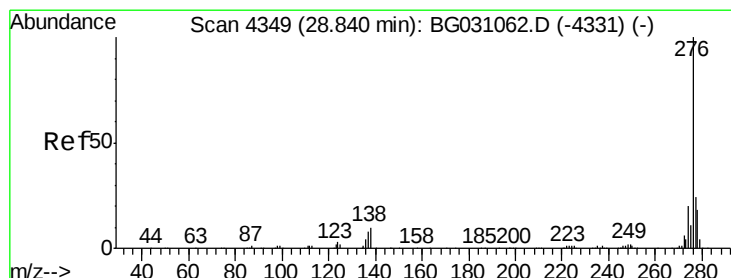
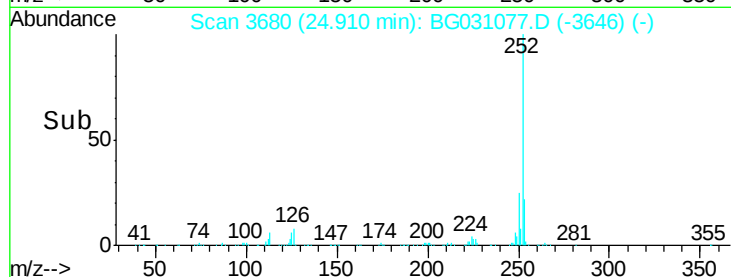
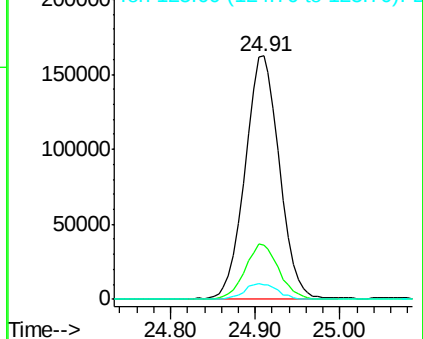
125 6.2 9.4 14.2#



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



#28

Indeno(1,2,3-cd)pyrene

Concen: 20.320 ng/ul

RT: 28.84 min Scan# 4349

Delta R.T. 0.00 min

Lab File: BG031077.D

Acq: 17 Nov 2017 11:38

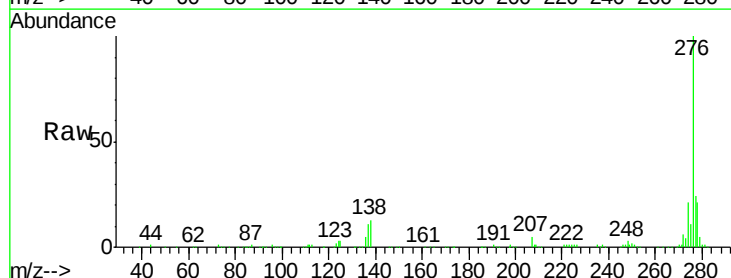
Tgt Ion:276 Resp: 519142

Ion Ratio Lower Upper

276 100

138 12.7 17.8 26.6#

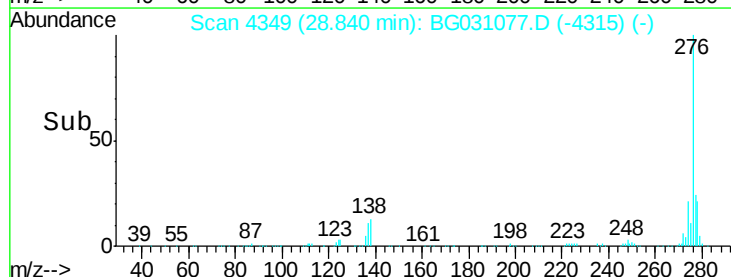
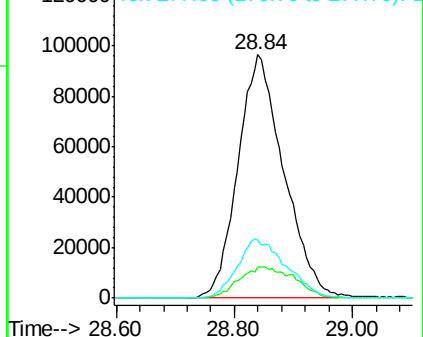
277 23.9 19.4 29.0

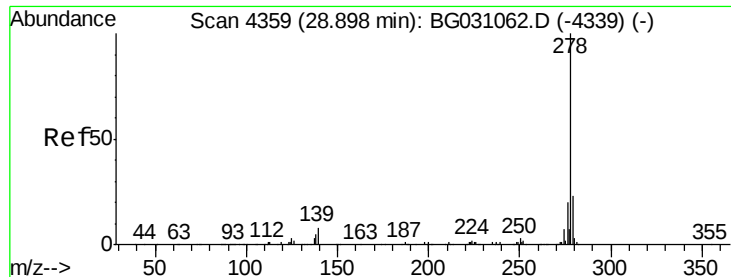


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 20.648 ng/ul

RT: 28.90 min Scan# 4359

Delta R.T. 0.00 min

Lab File: BG031077.D

Acq: 17 Nov 2017 11:38

Instrument :

BNA_G

ClientSampleId :

SSTD02063

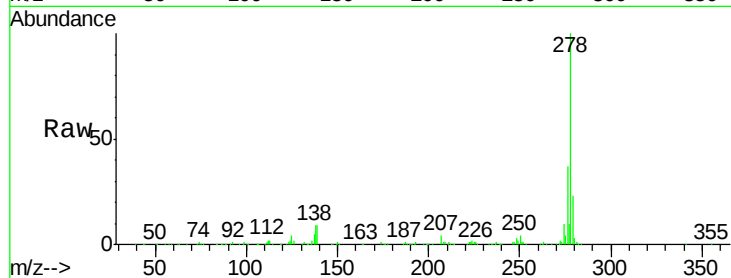
Tgt Ion:278 Resp: 436776

Ion Ratio Lower Upper

278 100

139 9.3 14.0 21.0#

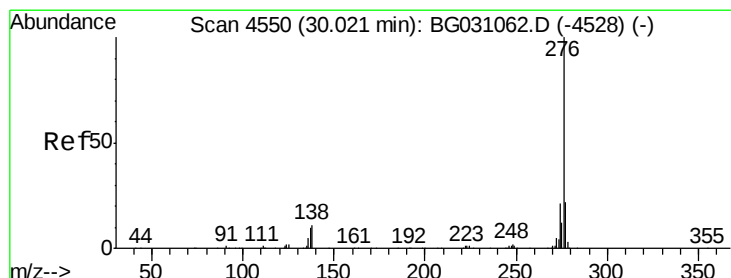
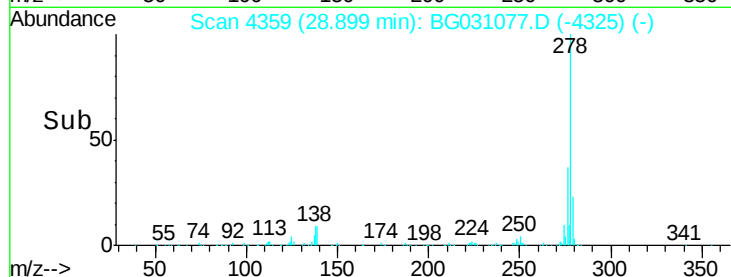
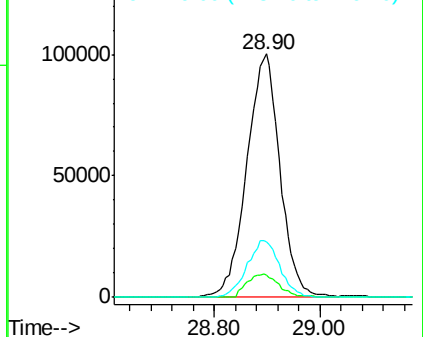
279 22.7 20.6 31.0



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



#30

Benzo(g,h,i)perylene

Concen: 20.346 ng/ul

RT: 30.03 min Scan# 4551

Delta R.T. 0.01 min

Lab File: BG031077.D

Acq: 17 Nov 2017 11:38

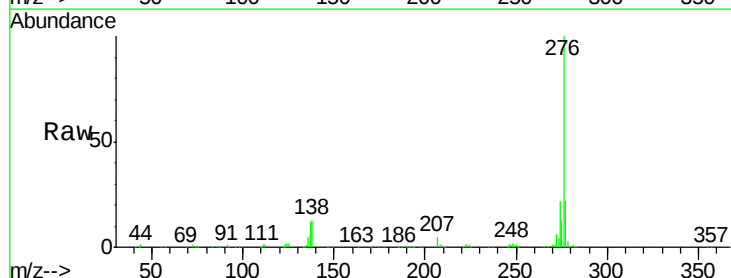
Tgt Ion:276 Resp: 432807

Ion Ratio Lower Upper

276 100

138 12.8 19.0 28.4#

277 22.2 19.7 29.5



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

