

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112017\
 Data File : BG031127.D
 Acq On : 20 Nov 2017 12:51
 Operator : SJ/JU
 Sample : I6350-02 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0F81DL

Quant Time: Nov 21 05:43:39 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 21 05:01:30 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	55950	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	254655	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.76	164	163881	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.60	188	40174	20.00	ng/ul	0.10
18) Chrysene-d12	21.93	240	2683	20.00	ng/ul	0.15
23) Perylene-d12	25.11	264	353700	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2,4-Dichlorophenol-d3	10.61	165	4935	1.03	ng/uL	0.03
7) Acenaphthylene-d8	14.46	160	34984	2.05	ng/ul	0.00
10) Fluorene-d10	15.75	176	26231	1.92	ng/ul	0.00
15) Anthracene-d10	17.60	188	39950	19.87	ng/ul	0.00
19) Pyrene-d10	19.88	212	51115	417.05	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.88	264	43235	2.47	ng/ul	0.00

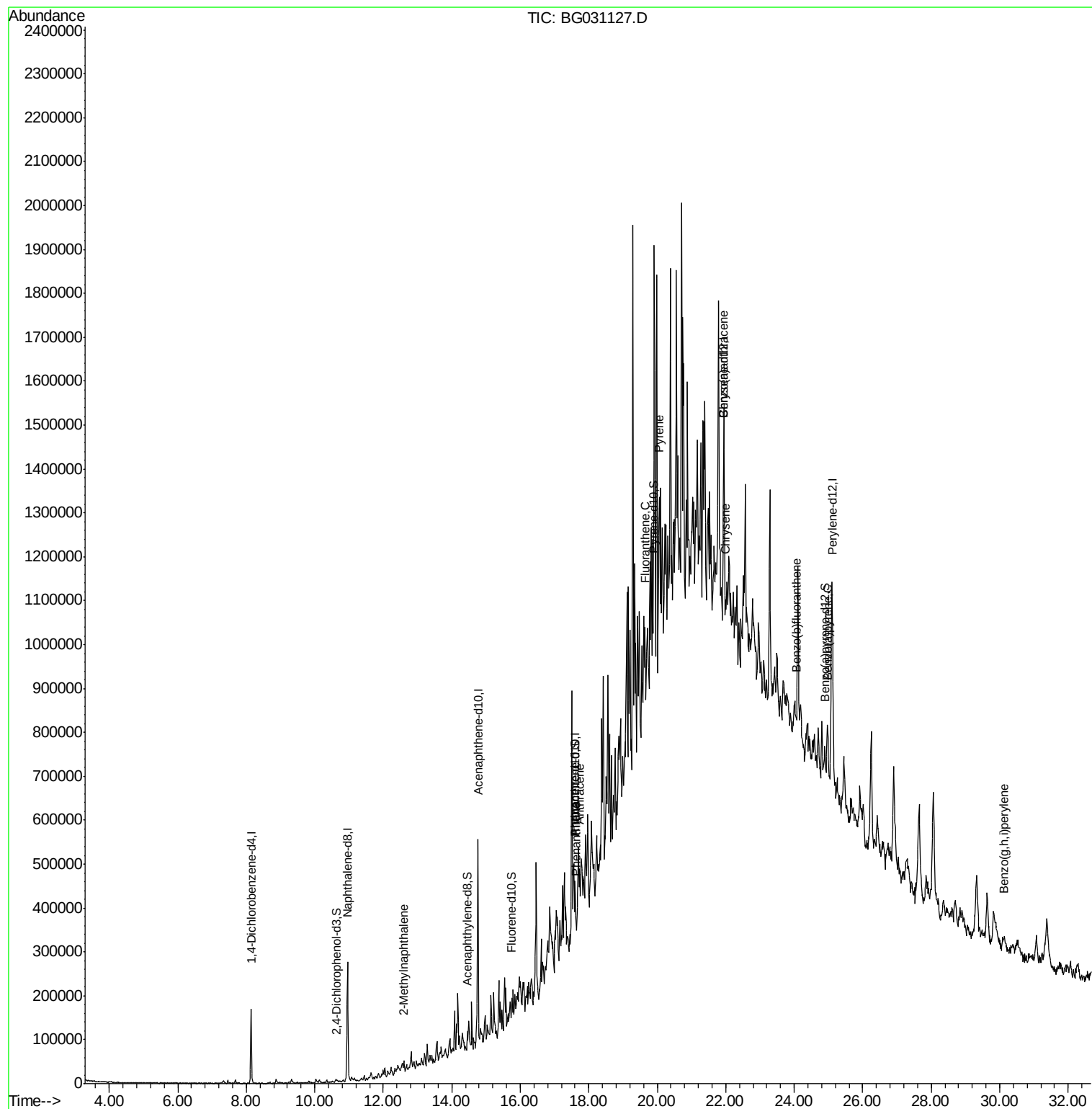
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) 2-Methylnaphthalene	12.61	142	16329	1.62	ng/ul	93
14) Phenanthrene	17.64	178	9455	4.39	ng/ul#	73
16) Anthracene	17.74	178	7511	3.43	ng/ul#	1
17) Fluoranthene	19.64	202	11447	3.82	ng/ul#	81
20) Pyrene	20.06	202	46143	324.04	ng/ul#	76
21) Benzo(a)anthracene	21.93	228	11340	69.37	ng/ul#	1
22) Chrysene	21.99	228	19320	124.26	ng/ul#	1
24) Benzo(b)fluoranthene	24.06	252	31426	1.47	ng/ul#	28
27) Benzo(a)pyrene	24.96	252	52968	2.59	ng/ul#	68
30) Benzo(g,h,i)perylene	30.12	276	23979	1.23	ng/ul#	91

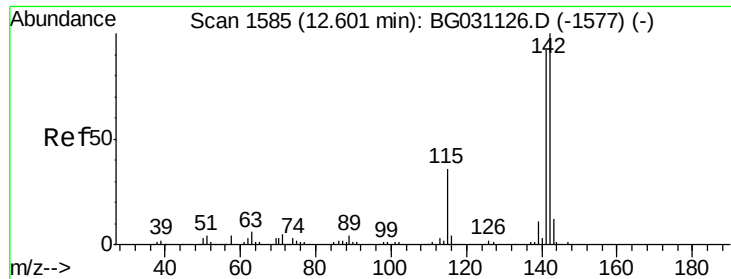
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

2-Methylnaphthalene

Concen: 1.62 ng/ul

RT: 12.61 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BG031127.D

Acq: 20 Nov 2017 12:51

Instrument :

BNA_G

ClientSampleID :

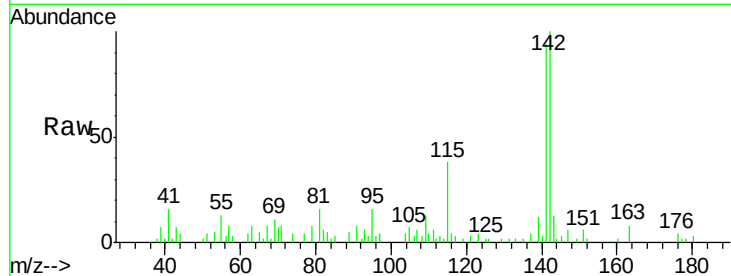
B0F81DL

Tot Ion:142 Resp: 16329

Ion Ratio Lower Upper

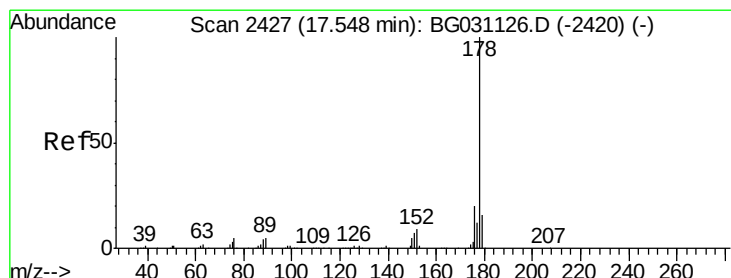
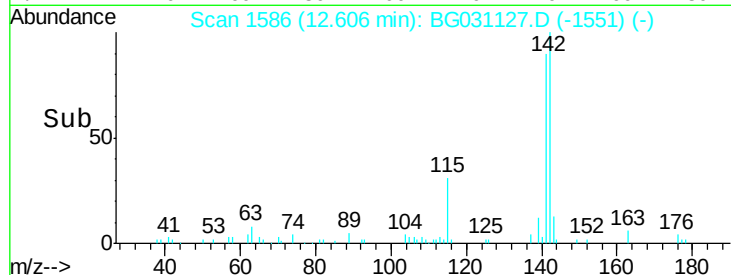
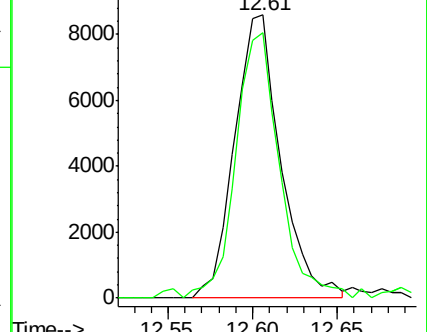
142 100

141 93.7 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#14

Phenanthrene

Concen: 4.39 ng/ul

RT: 17.64 min Scan# 2442

Delta R.T. 0.09 min

Lab File: BG031127.D

Acq: 20 Nov 2017 12:51

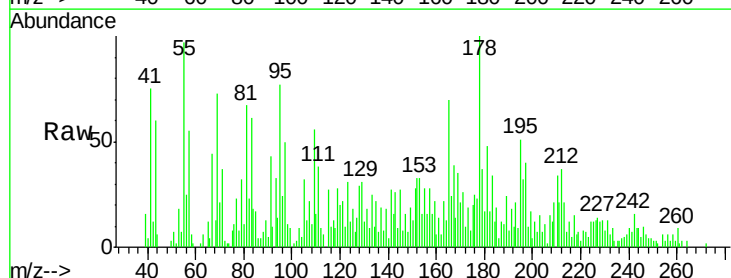
Tgt Ion:178 Resp: 9455

Ion Ratio Lower Upper

178 100

179 37.2 12.2 18.4#

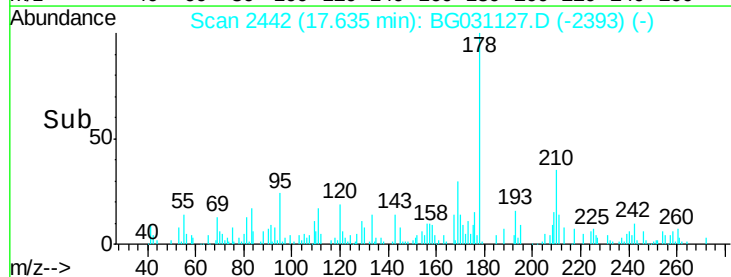
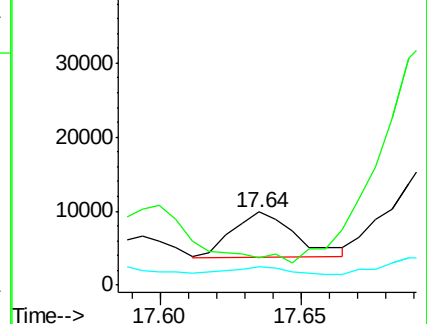
176 24.6 16.4 24.6

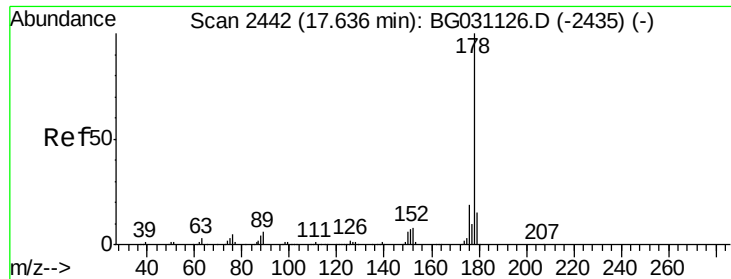


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

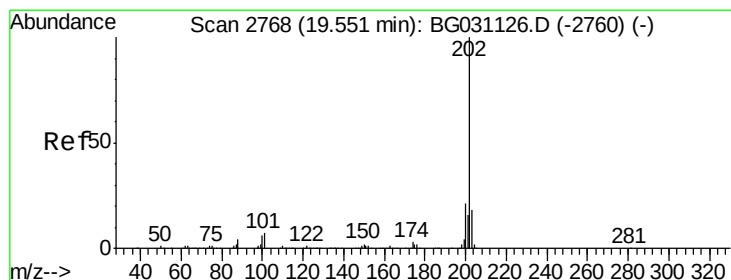
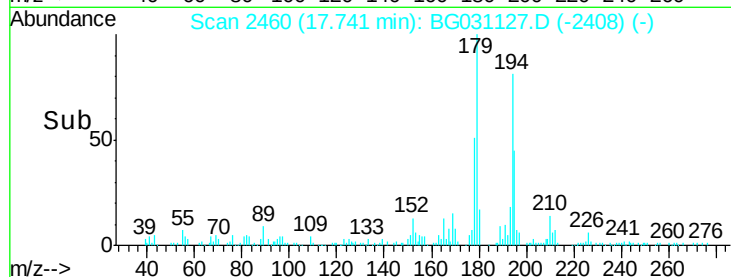
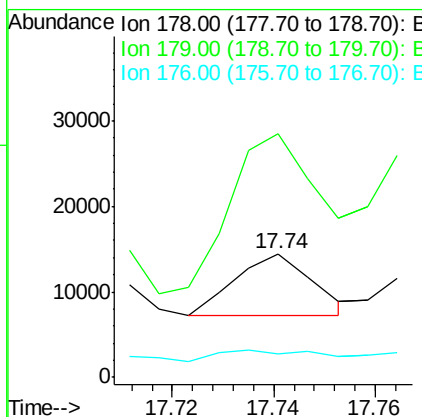
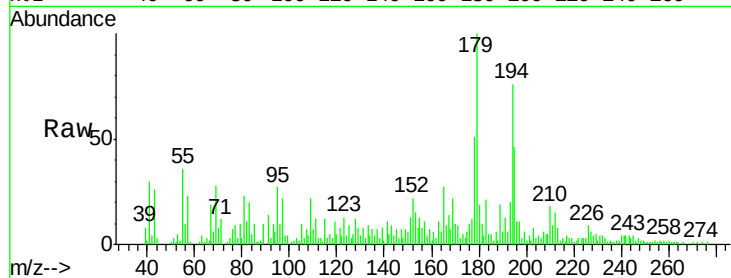




#16
 Anthracene
 Concen: 3.43 ng/ul
 RT: 17.74 min Scan# 2460
 Delta R.T. 0.10 min
 Lab File: BG031127.D
 Acq: 20 Nov 2017 12:51

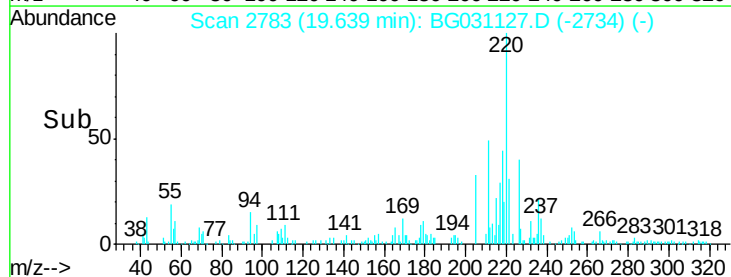
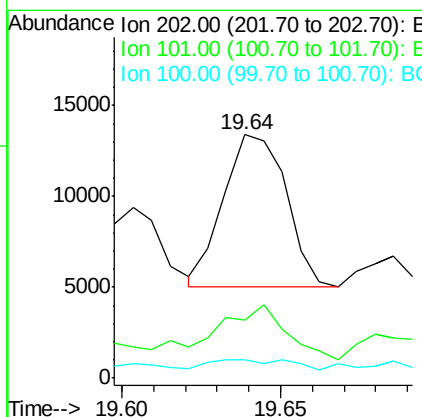
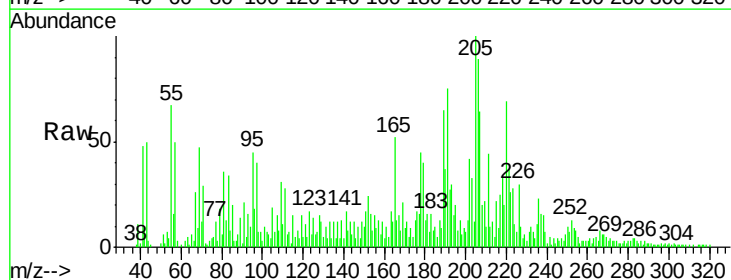
Instrument :
 BNA_G
 ClientSampleID :
 B0F81DL

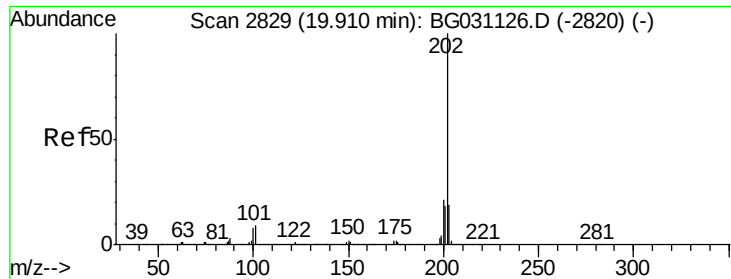
Tot Ion:178 Resp: 7511
 Ion Ratio Lower Upper
 178 100
 179 197.3 12.7 19.1#
 176 19.4 15.8 23.8



#17
 Fluoranthene
 Concen: 3.82 ng/ul
 RT: 19.64 min Scan# 2783
 Delta R.T. 0.09 min
 Lab File: BG031127.D
 Acq: 20 Nov 2017 12:51

Tgt Ion:202 Resp: 11447
 Ion Ratio Lower Upper
 202 100
 101 23.9 9.8 14.8#
 100 7.8 7.5 11.3

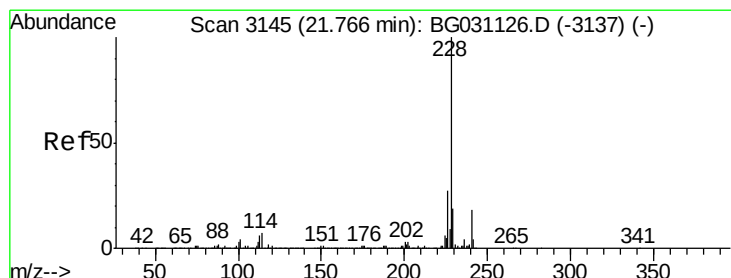
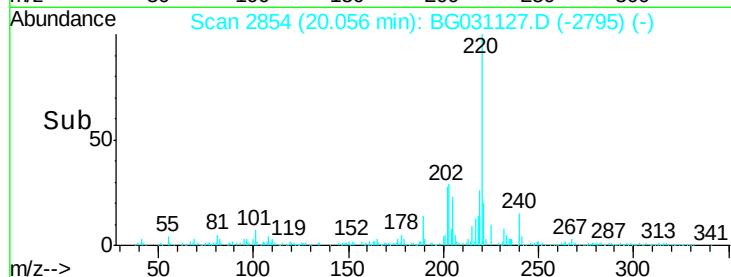
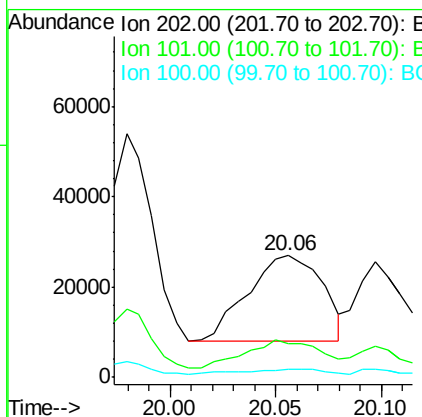
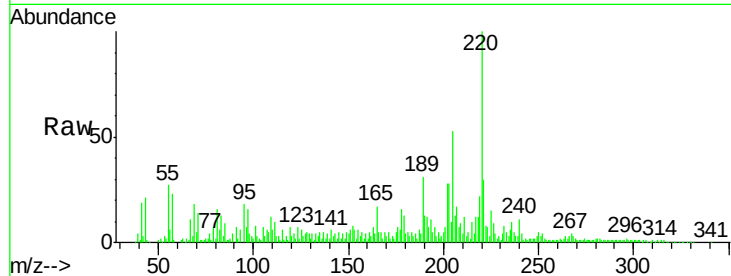




#20
Pvrene
Concen: 324.04 ng/ul
RT: 20.06 min Scan# 2854
Delta R.T. 0.15 min
Lab File: BG031127.D
Acq: 20 Nov 2017 12:51

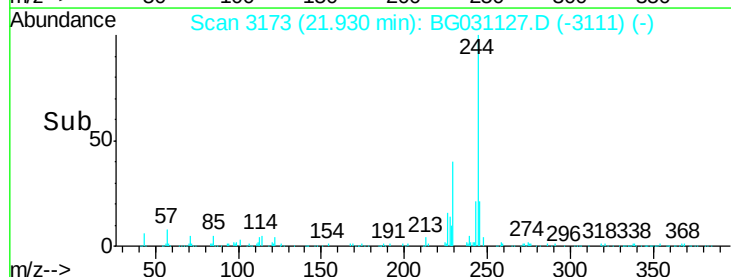
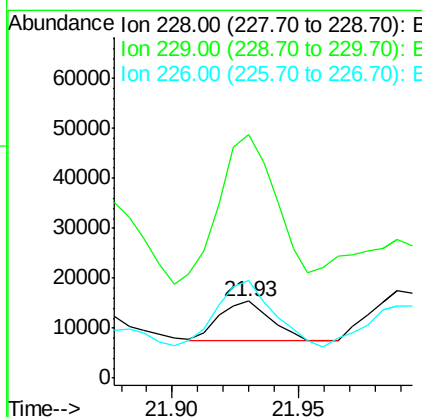
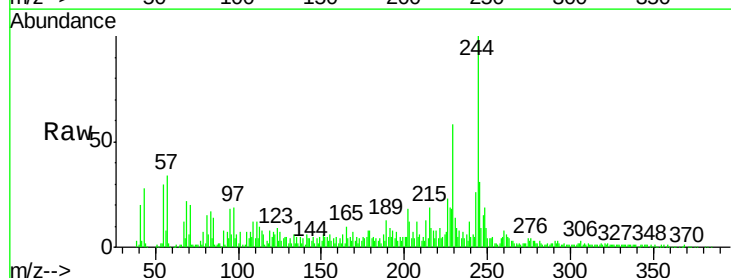
Instrument :
BNA_G
ClientSampleId :
B0F81DL

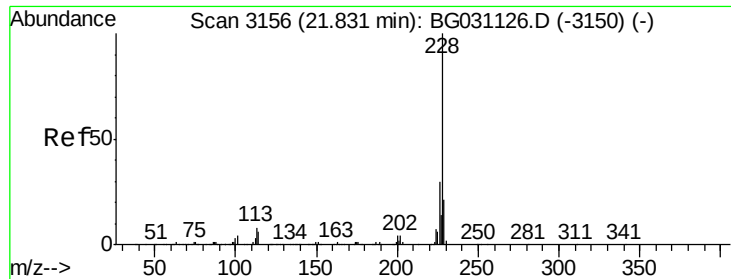
Tot Ion	Ratio	Lower	Upper
202	100		
101	27.5	11.2	16.8#
100	6.8	9.8	14.6#



#21
Benzo(a)anthracene
Concen: 69.37 ng/ul
RT: 21.93 min Scan# 3173
Delta R.T. 0.16 min
Lab File: BG031127.D
Acq: 20 Nov 2017 12:51

Tgt Ion	Ratio	Lower	Upper
228	100		
229	317.7	15.9	23.9#
226	127.1	22.1	33.1#





#22

Chrysene

Concen: 124.26 ng/ul

RT: 21.99 min Scan# 3183

Delta R.T. 0.16 min

Lab File: BG031127.D

Acq: 20 Nov 2017 12:51

Instrument :

BNA_G

ClientSampleId :

B0F81DL

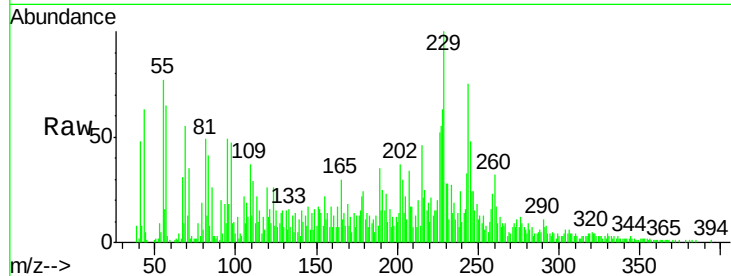
Tot Ion:228 Resp: 19320

Ion Ratio Lower Upper

228 100

226 82.4 25.0 37.6#

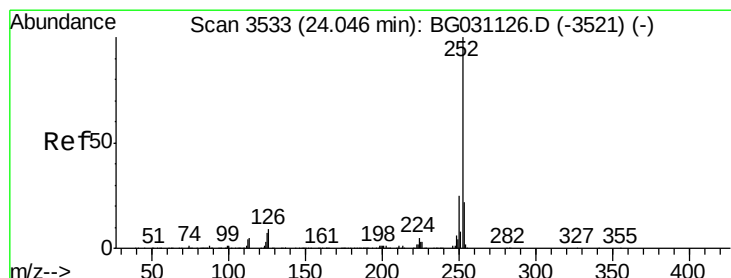
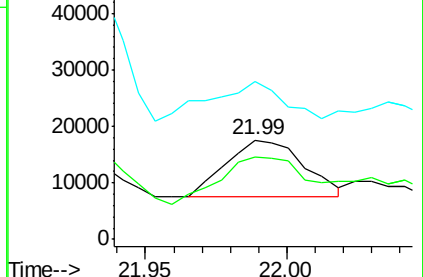
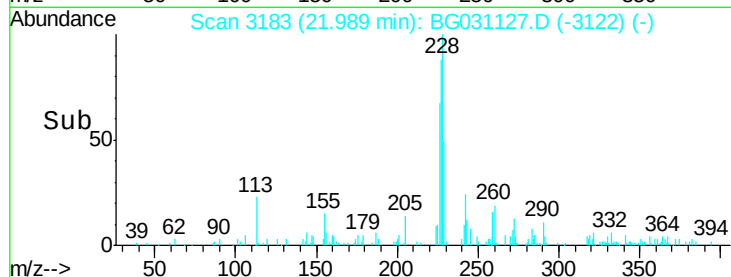
229 158.3 16.6 25.0#



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: 1.47 ng/ul

RT: 24.06 min Scan# 3535

Delta R.T. 0.01 min

Lab File: BG031127.D

Acq: 20 Nov 2017 12:51

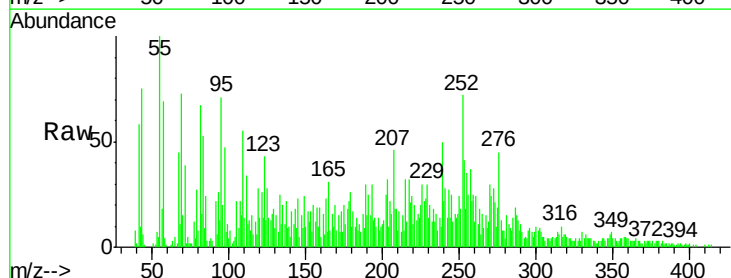
Tgt Ion:252 Resp: 31426

Ion Ratio Lower Upper

252 100

253 57.2 17.8 26.6#

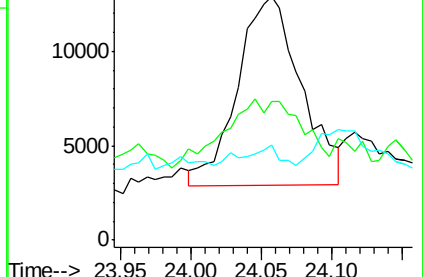
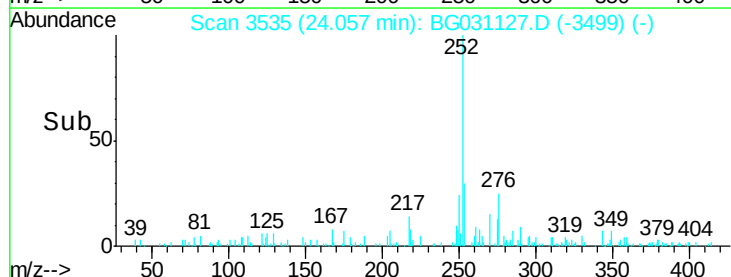
125 38.9 9.4 14.0#

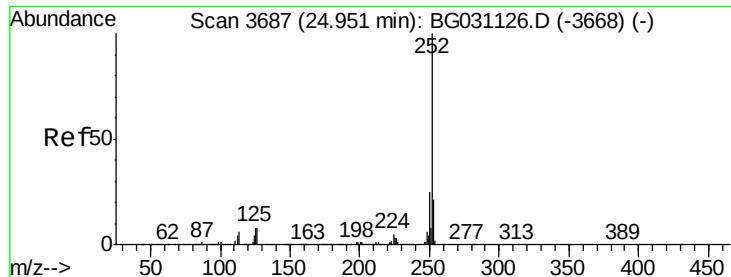


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 2.59 ng/ul

RT: 24.96 min Scan# 3689

Delta R.T. 0.01 min

Lab File: BG031127.D

Acq: 20 Nov 2017 12:51

Instrument :

BNA_G

ClientSampleId :

B0F81DL

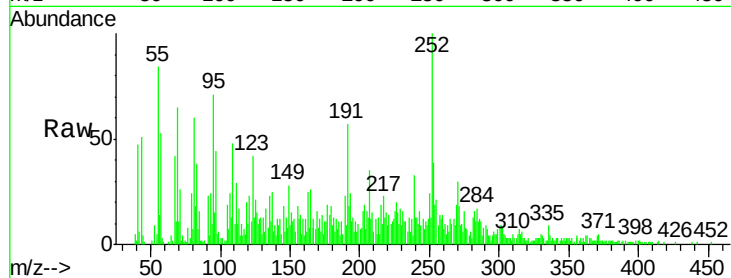
Tot Ion:252 Resp: 52968

Ion Ratio Lower Upper

252 100

253 38.9 17.1 25.7#

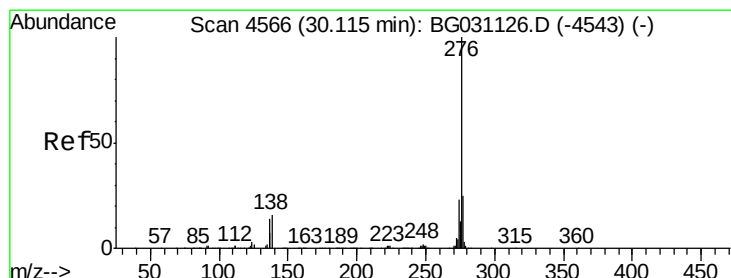
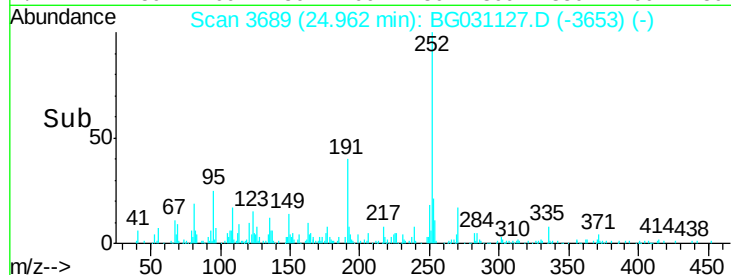
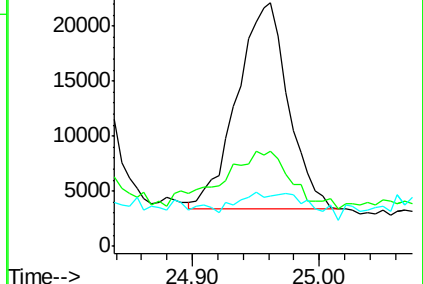
125 20.5 9.4 14.2#



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



#30

Benzo(g,h,i)perylene

Concen: 1.23 ng/ul

RT: 30.12 min Scan# 4567

Delta R.T. 0.01 min

Lab File: BG031127.D

Acq: 20 Nov 2017 12:51

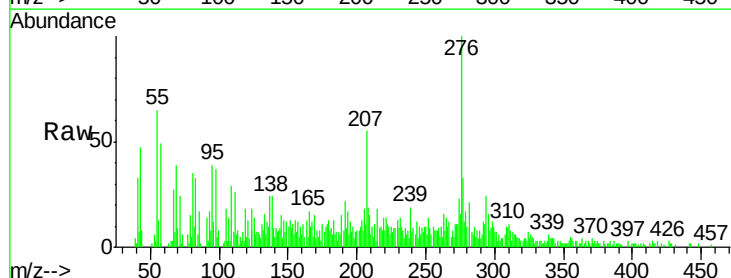
Tgt Ion:276 Resp: 23979

Ion Ratio Lower Upper

276 100

138 24.3 19.0 28.4

277 32.9 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

