

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112017\
 Data File : BG031149.D
 Acq On : 21 Nov 2017 2:37
 Operator : SJ/JU
 Sample : I6475-20
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0G66

Quant Time: Nov 21 07:09:34 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 21 07:04:01 2017
 Response via : Initial Calibration

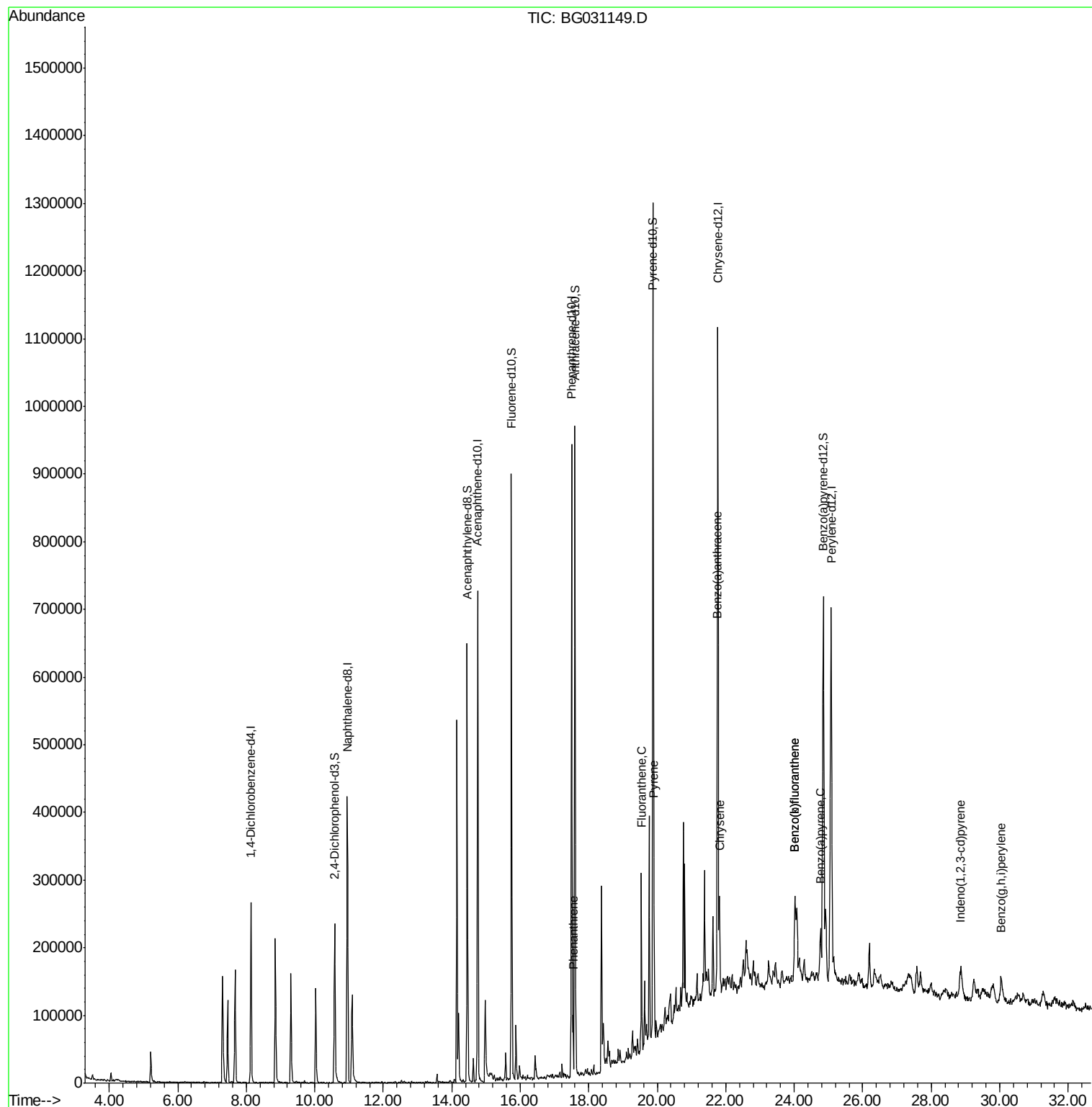
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	84303	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	395072	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.76	164	261563	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.50	188	598967	20.00	ng/ul	0.00
18) Chrysene-d12	21.77	240	612159	20.00	ng/ul	0.00
23) Perylene-d12	25.08	264	615069	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.58	165	115482	15.49	ng/uL	0.00
7) Acenaphthylene-d8	14.45	160	513066	18.86	ng/ul	0.00
10) Fluorene-d10	15.74	176	387440	17.73	ng/ul	0.00
15) Anthracene-d10	17.60	188	594677	19.84	ng/ul	0.00
19) Pyrene-d10	19.87	212	676883	24.21	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.85	264	633541	20.82	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.54	178	55614	1.73	ng/ul	96
17) Fluoranthene	19.54	202	170700	3.82	ng/ul#	88
20) Pyrene	19.90	202	168180	5.18	ng/ul#	90
21) Benzo(a)anthracene	21.75	228	109213	2.93	ng/ul	97
22) Chrysene	21.82	228	112703	3.18	ng/ul	98
24) Benzo(b)fluoranthene	24.02	252	169423	4.56	ng/ul#	96
25) Benzo(k)fluoranthene	24.02	252	169423	4.63	ng/ul	96
27) Benzo(a)pyrene	24.76	252	76009	2.13	ng/ul	96
28) Indeno(1,2,3-cd)pyrene	28.85	276	76641	1.89	ng/ul#	93
30) Benzo(g,h,i)perylene	30.05	276	71195	2.11	ng/ul#	87

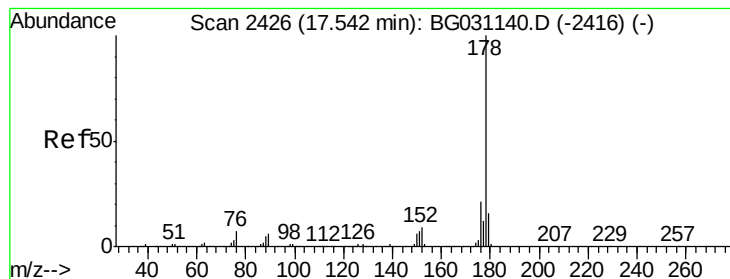
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Phenanthrene

Concen: 1.73 ng/ul

RT: 17.54 min Scan# 2426

Delta R.T. 0.00 min

Lab File: BG031149.D

Acq: 21 Nov 2017 2:37

Instrument :

BNA_G

ClientSampleId :

B0G66

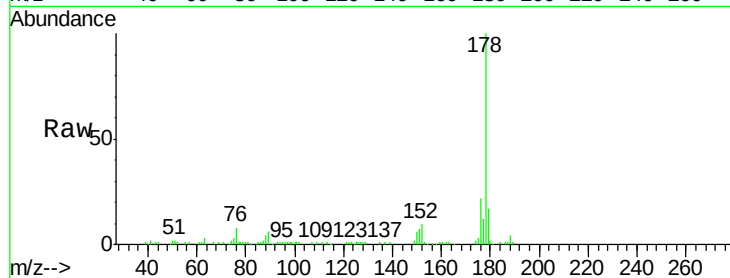
Tot Ion:178 Resp: 55614

Ion Ratio Lower Upper

178 100

179 17.3 12.2 18.4

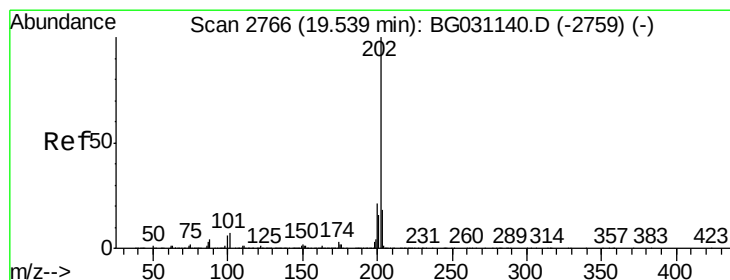
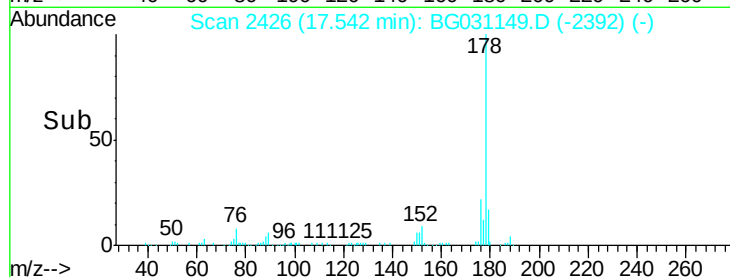
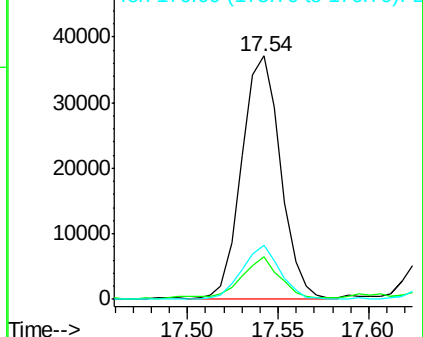
176 22.0 16.4 24.6



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



#17

Fluoranthene

Concen: 3.82 ng/ul

RT: 19.54 min Scan# 2766

Delta R.T. 0.00 min

Lab File: BG031149.D

Acq: 21 Nov 2017 2:37

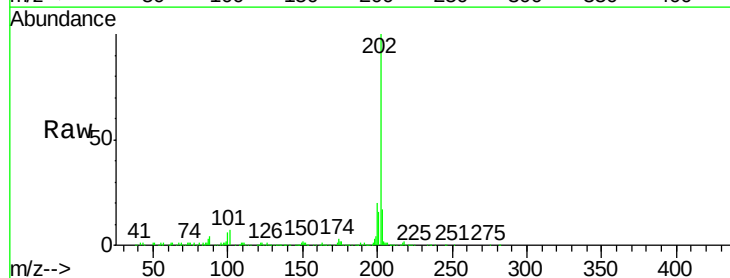
Tgt Ion:202 Resp: 170700

Ion Ratio Lower Upper

202 100

101 7.0 9.8 14.8#

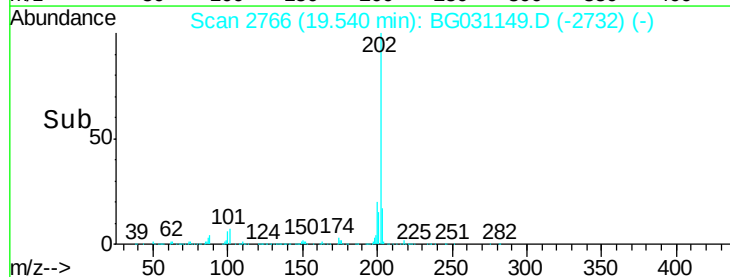
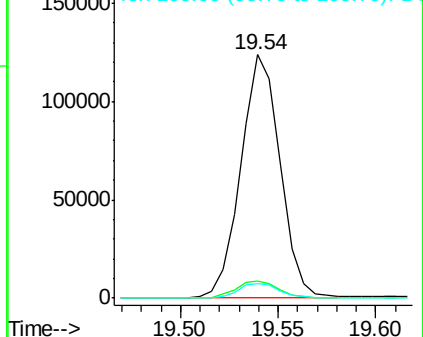
100 6.0 7.5 11.3#

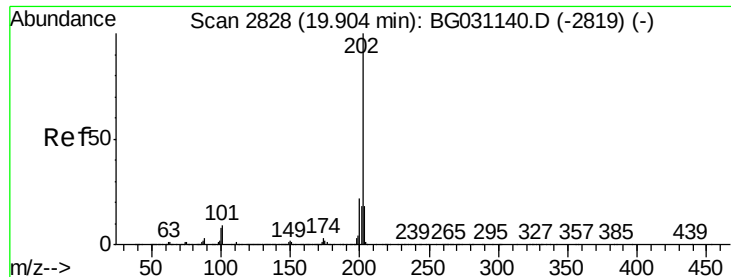


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

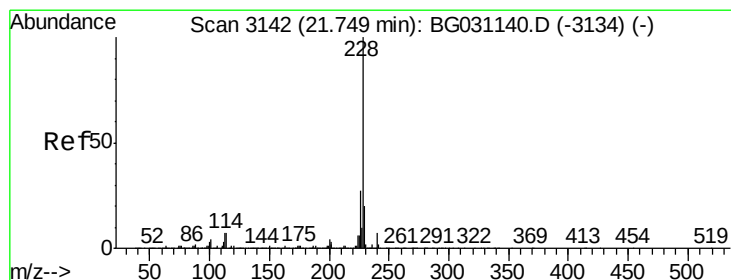
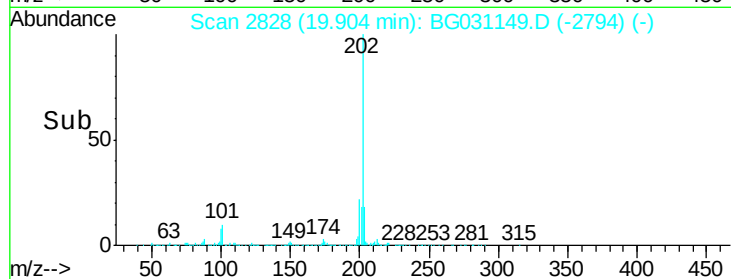
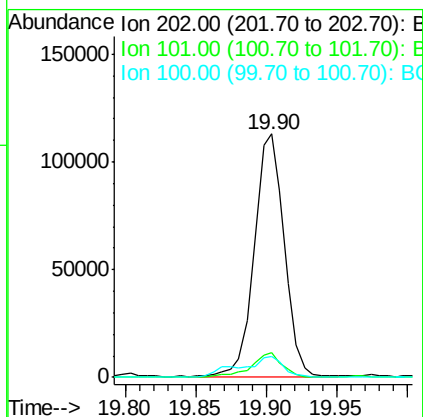
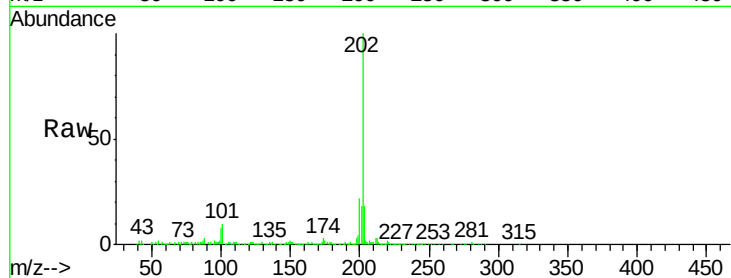




#20
Pvrene
Concen: 5.18 ng/ul
RT: 19.90 min Scan# 2828
Delta R.T. 0.00 min
Lab File: BG031149.D
Acq: 21 Nov 2017 2:37

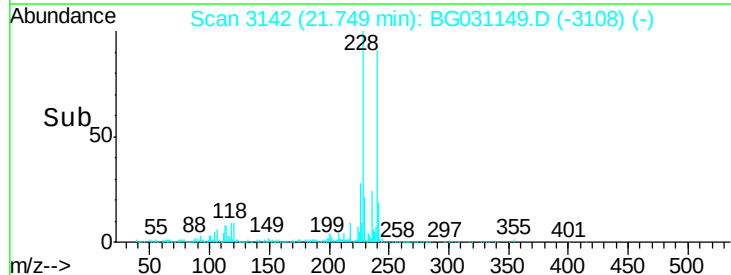
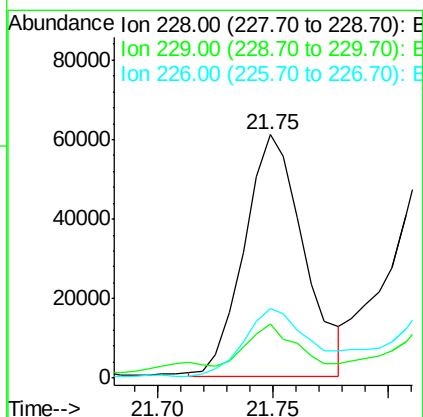
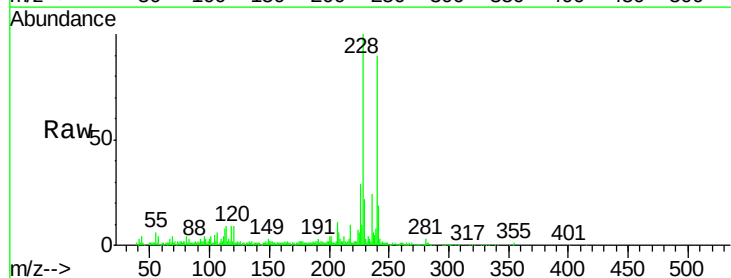
Instrument :
BNA_G
ClientSampleId :
B0G66

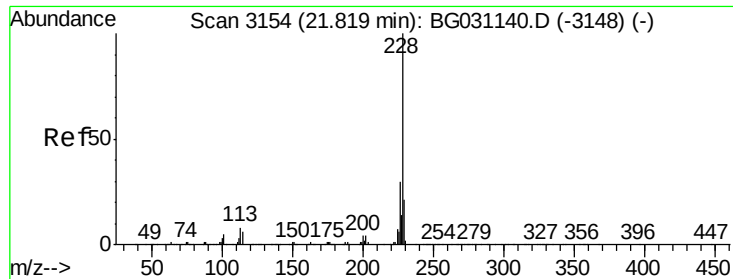
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.0	11.2	16.8#
100	8.4	9.8	14.6#



#21
Benzo(a)anthracene
Concen: 2.93 ng/ul
RT: 21.75 min Scan# 3142
Delta R.T. 0.00 min
Lab File: BG031149.D
Acq: 21 Nov 2017 2:37

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.4	15.9	23.9
226	28.5	22.1	33.1





#22

Chrysene

Concen: 3.18 ng/ul

RT: 21.82 min Scan# 3154

Delta R.T. 0.00 min

Lab File: BG031149.D

Acq: 21 Nov 2017 2:37

Instrument :

BNA_G

ClientSampleId :

B0G66

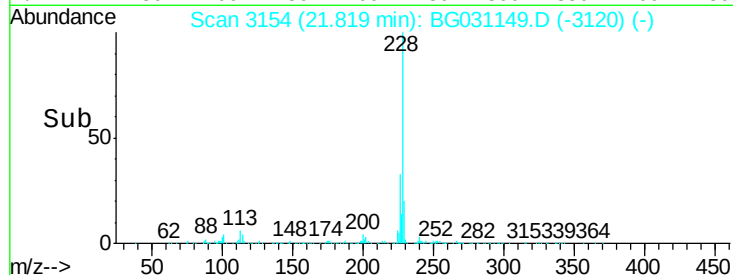
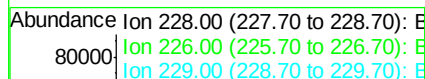
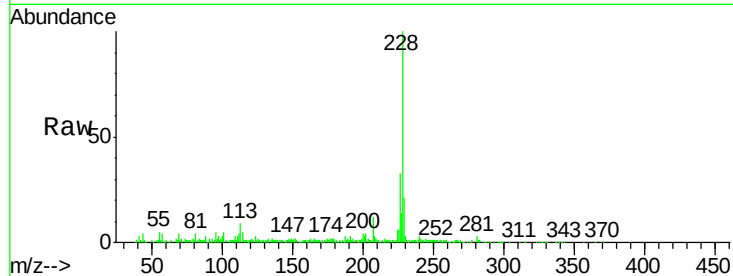
Tot Ion:228 Resp: 112703

Ion Ratio Lower Upper

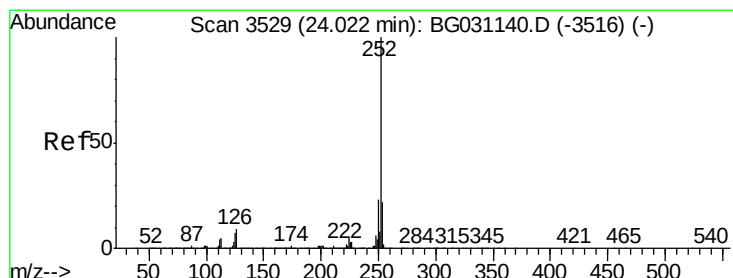
228 100

226 32.8 25.0 37.6

229 21.4 16.6 25.0



Time-->



#24

Benzo(b)fluoranthene

Concen: 4.56 ng/ul

RT: 24.02 min Scan# 3529

Delta R.T. 0.00 min

Lab File: BG031149.D

Acq: 21 Nov 2017 2:37

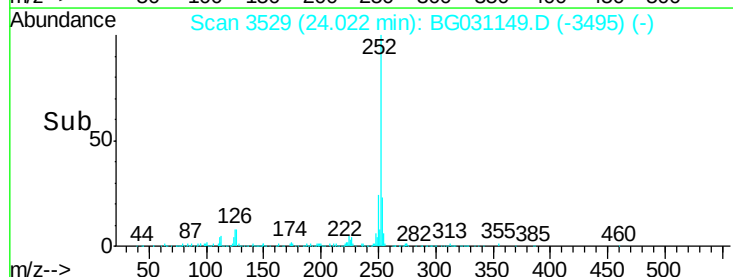
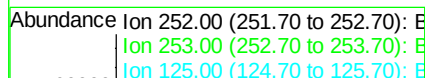
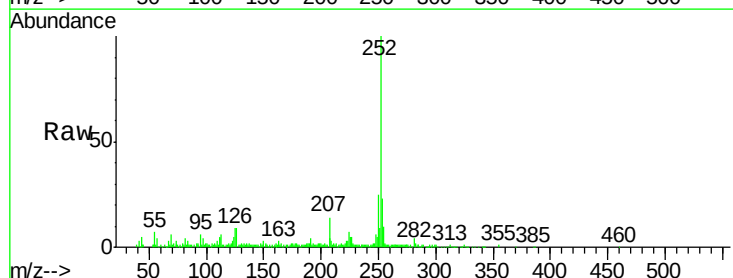
Tgt Ion:252 Resp: 169423

Ion Ratio Lower Upper

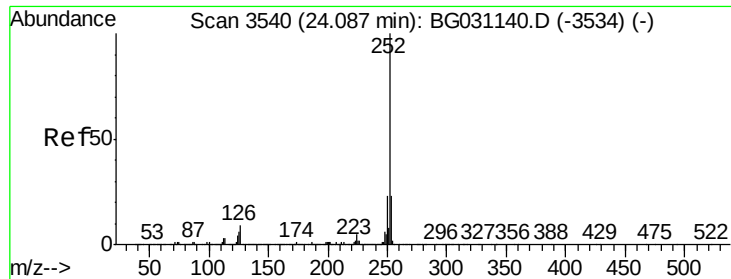
252 100

253 23.3 17.8 26.6

125 9.0 9.4 14.0#



Time-->



#25

Benzo(k)fluoranthene

Concen: 4.63 ng/ul

RT: 24.02 min Scan# 3529

Delta R.T. -0.06 min

Lab File: BG031149.D

Acq: 21 Nov 2017 2:37

Instrument :

BNA_G

ClientSampleId :

B0G66

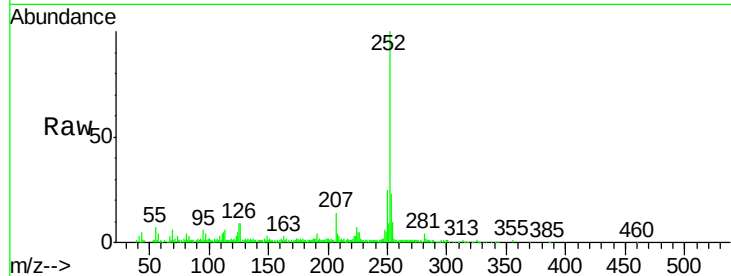
Tot Ion:252 Resp: 169423

Ion Ratio Lower Upper

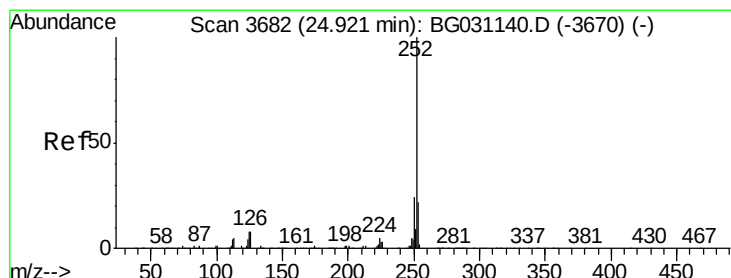
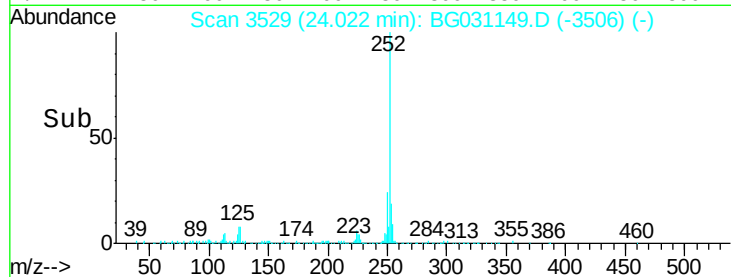
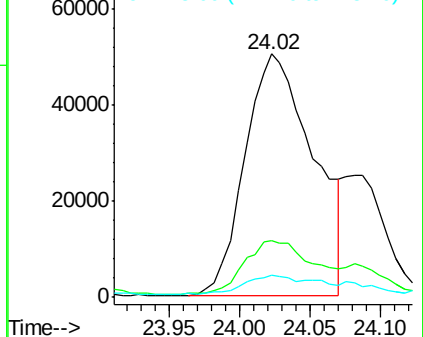
252 100

253 23.3 17.4 26.2

125 9.0 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: 2.13 ng/ul

RT: 24.76 min Scan# 3655

Delta R.T. -0.16 min

Lab File: BG031149.D

Acq: 21 Nov 2017 2:37

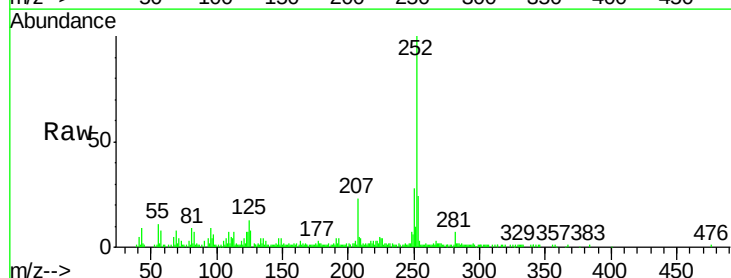
Tgt Ion:252 Resp: 76009

Ion Ratio Lower Upper

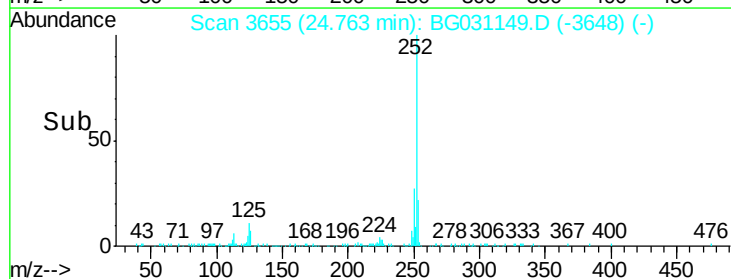
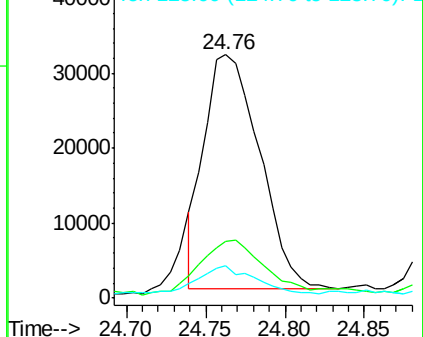
252 100

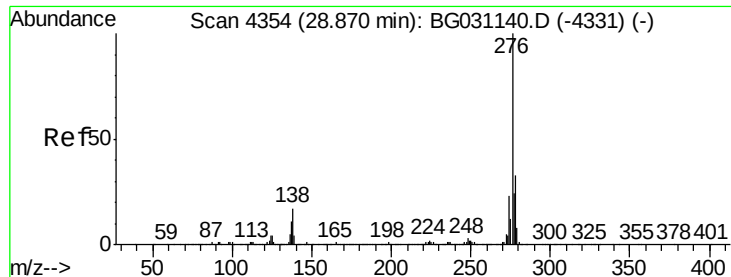
253 23.5 17.1 25.7

125 13.3 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: 1.89 ng/ul

RT: 28.85 min Scan# 4351

Delta R.T. -0.02 min

Lab File: BG031149.D

Acq: 21 Nov 2017 2:37

Instrument :

BNA_G

ClientSampleId :

B0G66

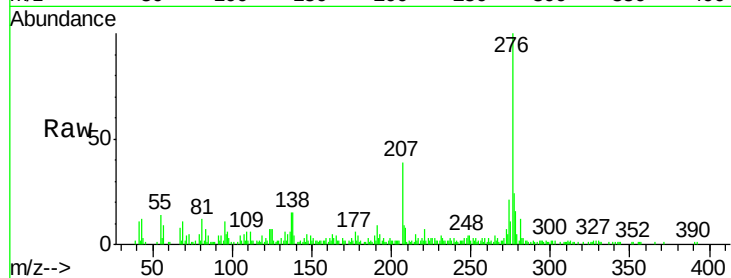
Tot Ion:276 Resp: 76641

Ion Ratio Lower Upper

276 100

138 15.1 17.8 26.6#

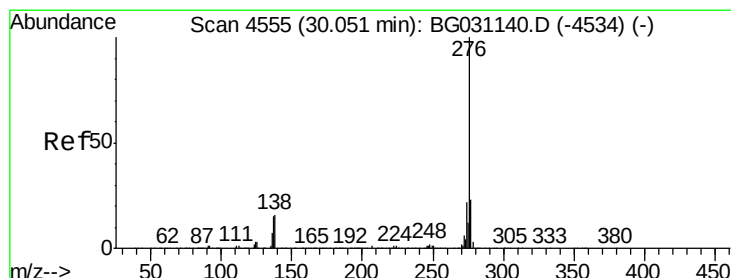
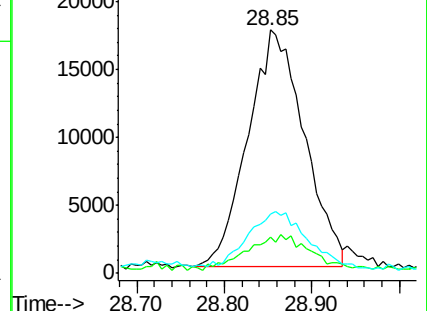
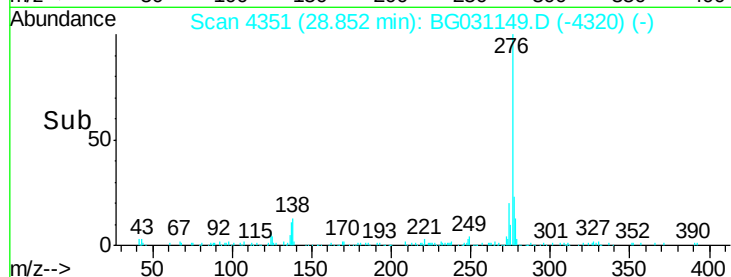
277 24.2 19.4 29.0



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



#30

Benzo(g,h,i)perylene

Concen: 2.11 ng/ul

RT: 30.05 min Scan# 4555

Delta R.T. 0.00 min

Lab File: BG031149.D

Acq: 21 Nov 2017 2:37

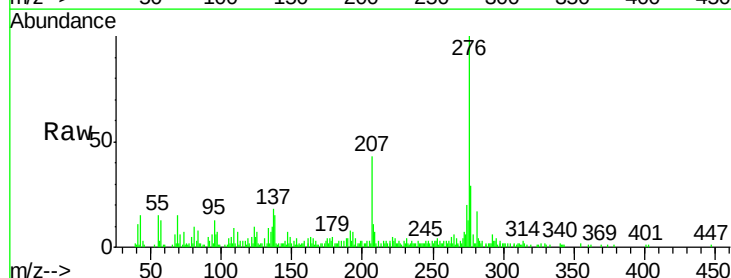
Tgt Ion:276 Resp: 71195

Ion Ratio Lower Upper

276 100

138 15.5 19.0 28.4#

277 29.2 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

