

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG111717\
 Data File : BG031116.D
 Acq On : 18 Nov 2017 12:43
 Operator : SJ/JU
 Sample : I6431-07
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0FP2

Quant Time: Nov 20 00:57:02 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 18 01:20:34 2017
 Response via : Initial Calibration

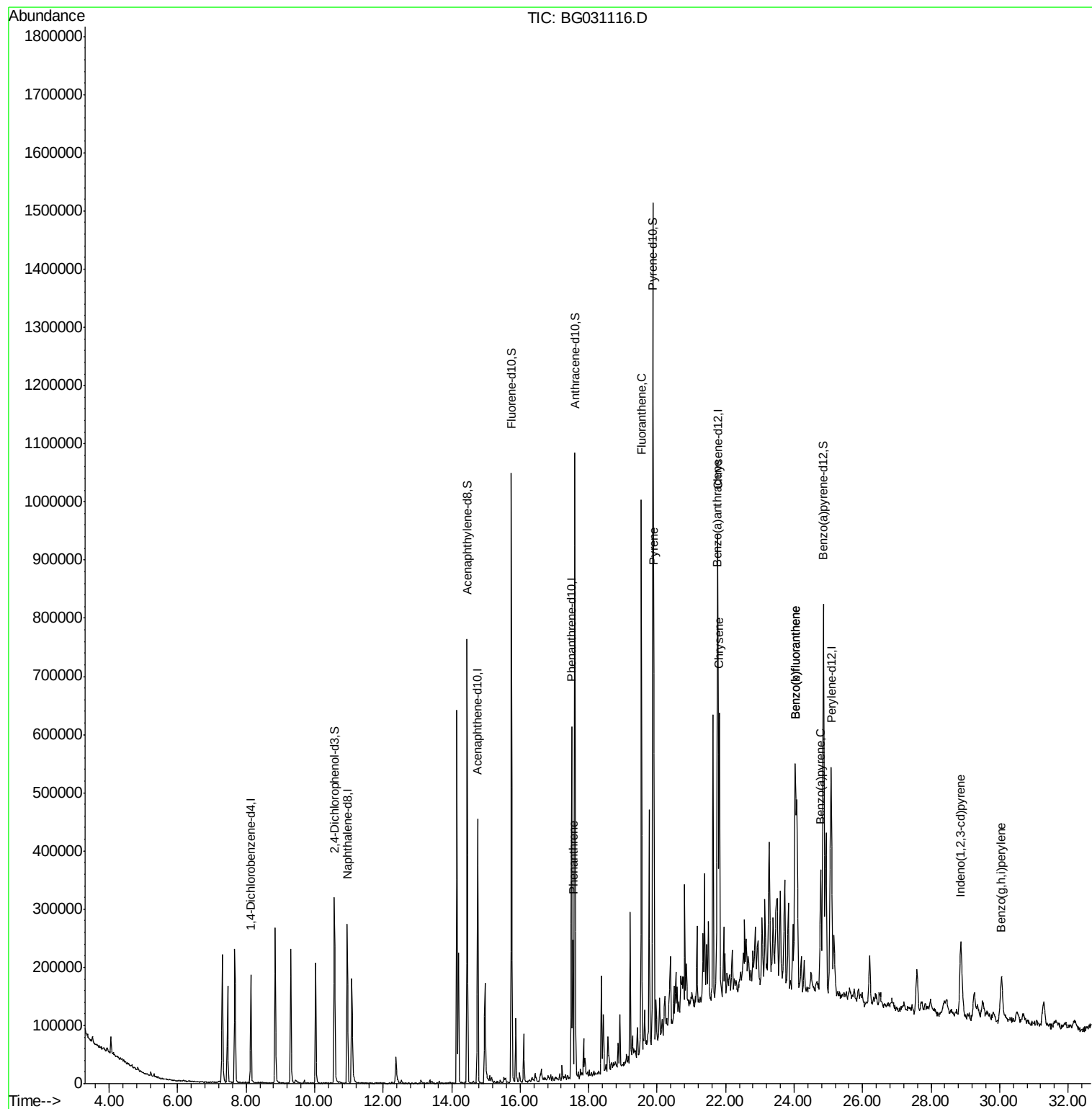
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	55235	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	253484	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.76	164	167159	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.50	188	393923	20.00	ng/ul	0.00
18) Chrysene-d12	21.78	240	416250	20.00	ng/ul	0.00
23) Perylene-d12	25.08	264	416796	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.58	165	144367	30.18	ng/uL	0.00
7) Acenaphthylene-d8	14.45	160	595472	34.25	ng/ul	0.00
10) Fluorene-d10	15.75	176	450212	32.24	ng/ul	0.00
15) Anthracene-d10	17.60	188	674863	34.23	ng/ul	0.00
19) Pyrene-d10	19.88	212	764698	40.22	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.85	264	743241	36.04	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.54	178	156163	7.39	ng/ul	98
17) Fluoranthene	19.54	202	624600	21.23	ng/ul#	88
20) Pyrene	19.91	202	502741	22.76	ng/ul#	86
21) Benzo(a)anthracene	21.75	228	311941	12.30	ng/ul	99
22) Chrysene	21.82	228	393750	16.32	ng/ul	98
24) Benzo(b)fluoranthene	24.03	252	520024	20.65	ng/ul#	95
25) Benzo(k)fluoranthene	24.03	252	520024	20.96	ng/ul#	95
27) Benzo(a)pyrene	24.78	252	239532	9.92	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.87	276	218556	7.94	ng/ul	94
30) Benzo(g,h,i)perylene	30.05	276	91637	4.00	ng/ul#	90

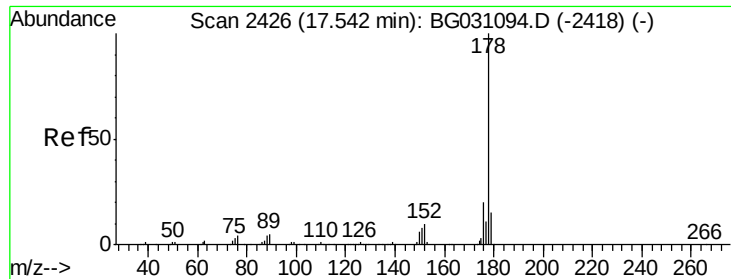
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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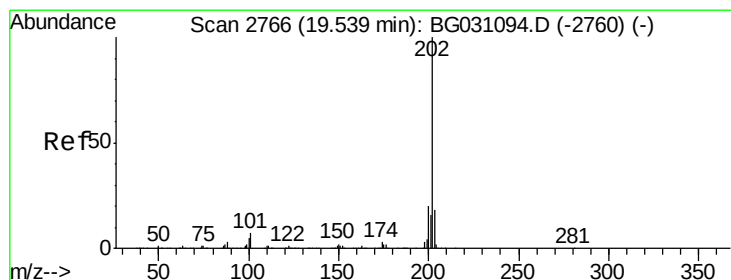
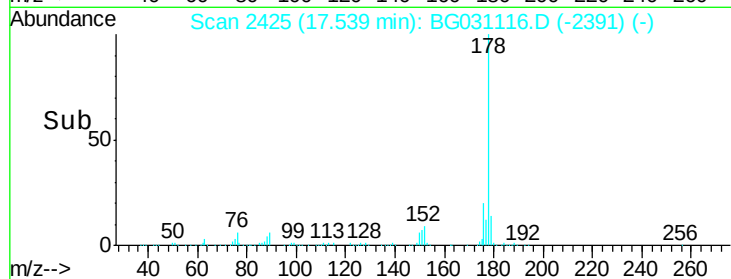
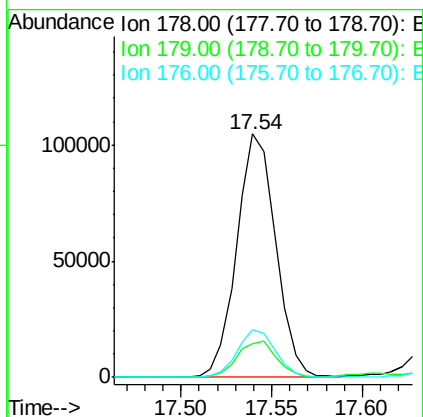
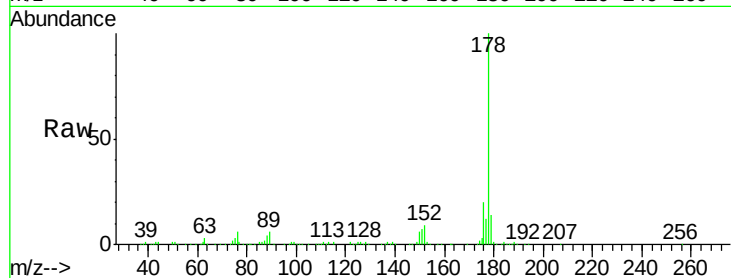




#14
Phenanthrene
Concen: 7.39 ng/ul
RT: 17.54 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BG031116.D
Acq: 18 Nov 2017 12:43

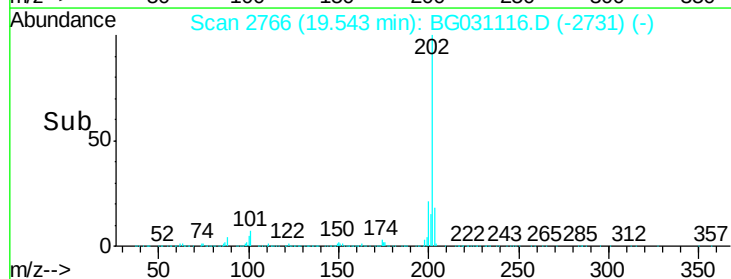
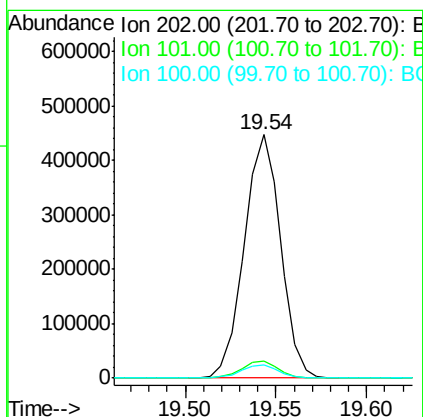
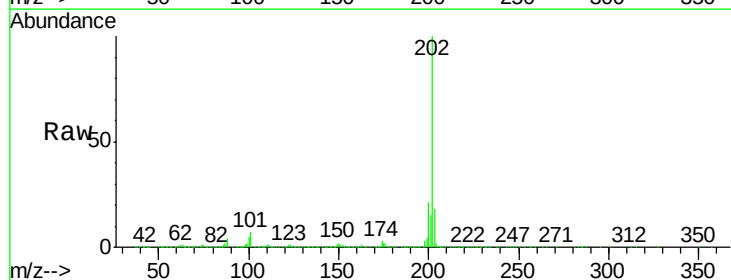
Instrument :
BNA_G
ClientSampleId :
B0FP2

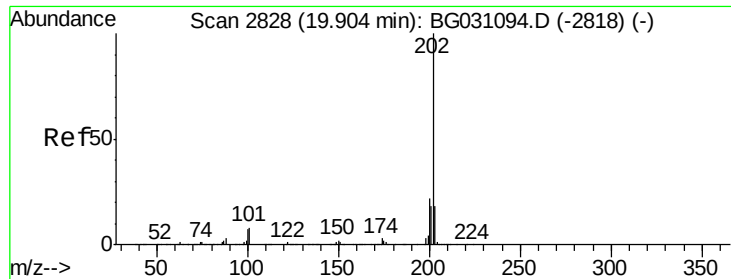
Tgt Ion	Ratio	Lower	Upper
178	100		
179	13.9	12.2	18.4
176	19.7	16.4	24.6



#17
Fluoranthene
Concen: 21.23 ng/ul
RT: 19.54 min Scan# 2766
Delta R.T. 0.00 min
Lab File: BG031116.D
Acq: 18 Nov 2017 12:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.2	9.8	14.8#
100	5.4	7.5	11.3#

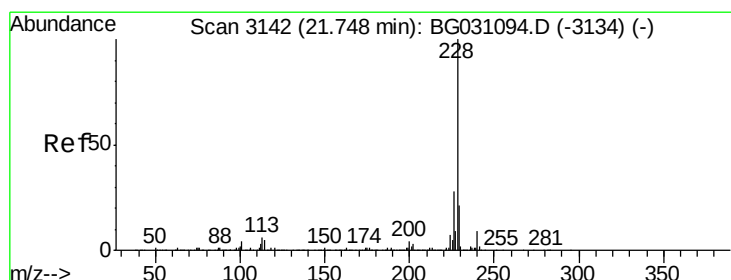
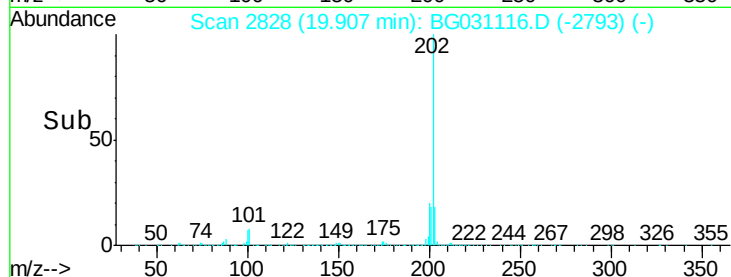
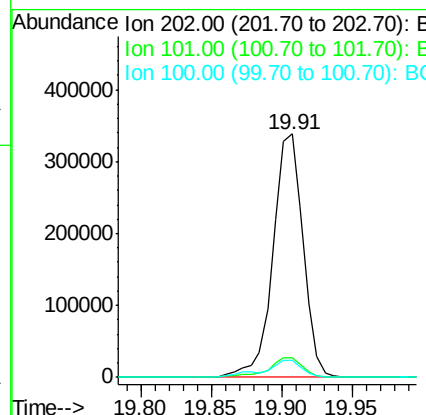
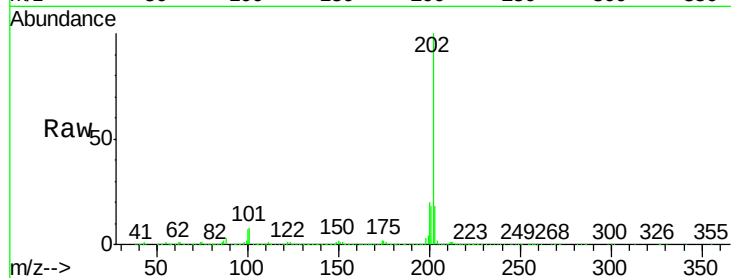




#20
 Pyrene
 Concen: 22.76 ng/ul
 RT: 19.91 min Scan# 2828
 Delta R.T. 0.00 min
 Lab File: BG031116.D
 Acq: 18 Nov 2017 12:43

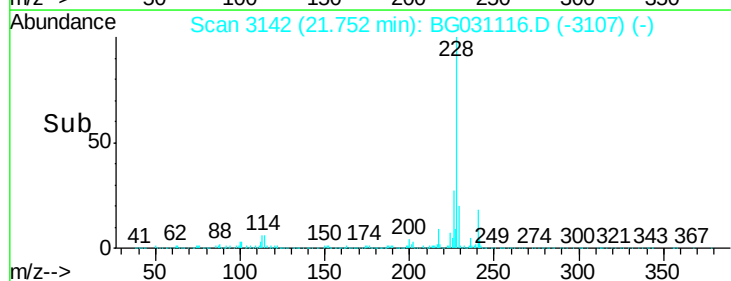
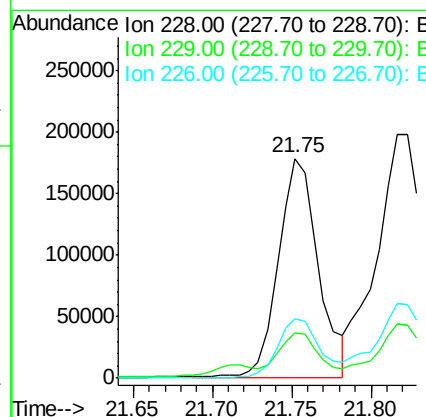
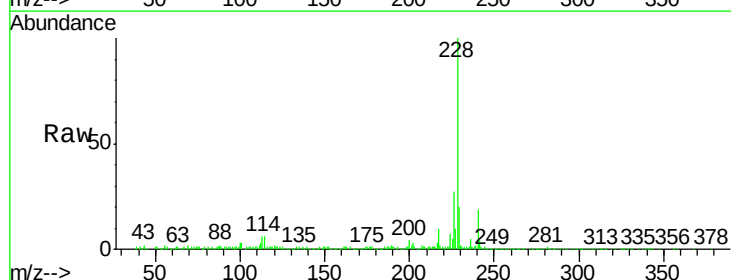
Instrument :
 BNA_G
 ClientSampleId :
 B0FP2

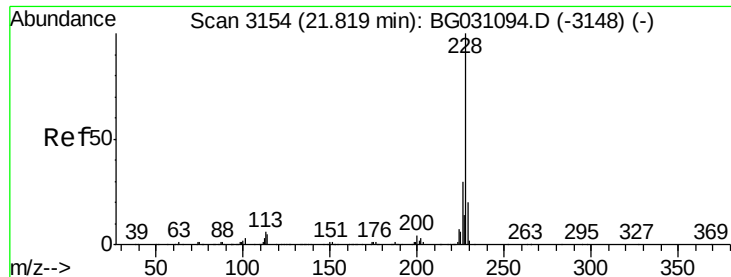
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	11.2	16.8#
100	6.8	9.8	14.6#



#21
 Benzo(a)anthracene
 Concen: 12.30 ng/ul
 RT: 21.75 min Scan# 3142
 Delta R.T. 0.00 min
 Lab File: BG031116.D
 Acq: 18 Nov 2017 12:43

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.9	23.9
226	27.1	22.1	33.1





#22

Chrysene

Concen: 16.32 ng/ul

RT: 21.82 min Scan# 3153

Delta R.T. -0.00 min

Lab File: BG031116.D

Acq: 18 Nov 2017 12:43

Instrument :

BNA_G

ClientSampleId :

B0FP2

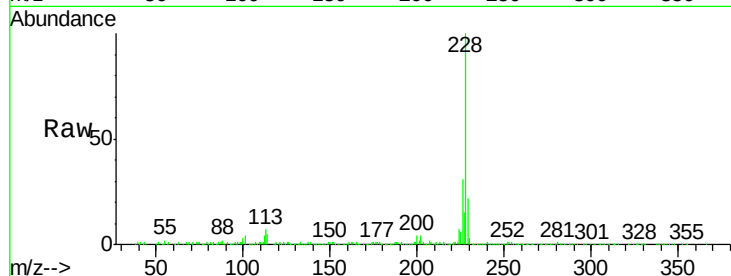
Tgt Ion:228 Resp: 393750

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

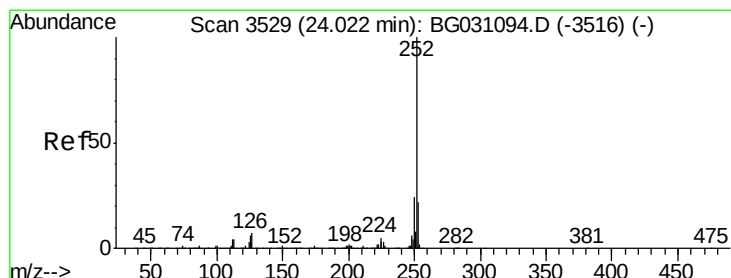
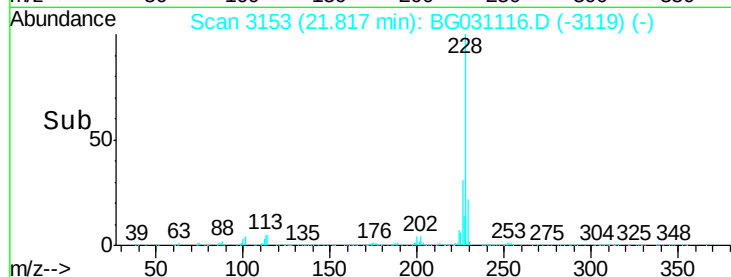
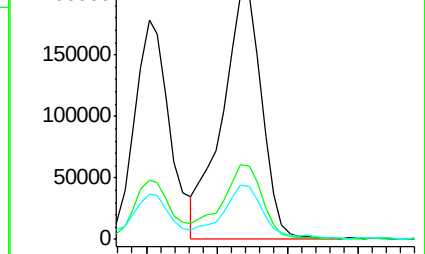
229 22.3 16.6 25.0



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: 20.65 ng/ul

RT: 24.03 min Scan# 3530

Delta R.T. 0.01 min

Lab File: BG031116.D

Acq: 18 Nov 2017 12:43

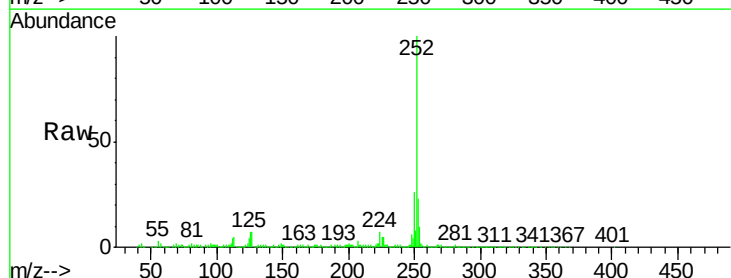
Tgt Ion:252 Resp: 520024

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

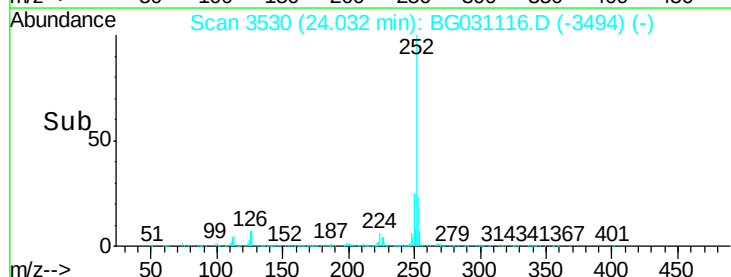
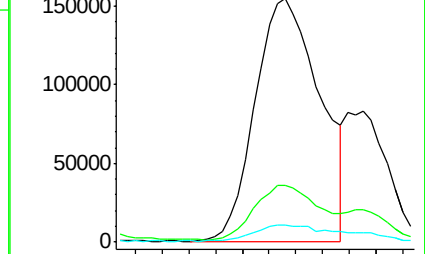
125 7.2 9.4 14.0#

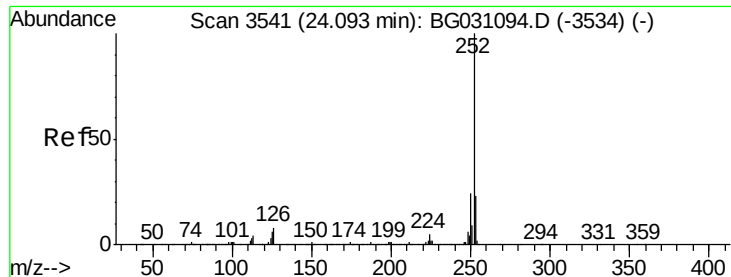


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 20.96 ng/ul

RT: 24.03 min Scan# 3530

Delta R.T. -0.06 min

Lab File: BG031116.D

Acq: 18 Nov 2017 12:43

Instrument :

BNA_G

ClientSampleId :

B0FP2

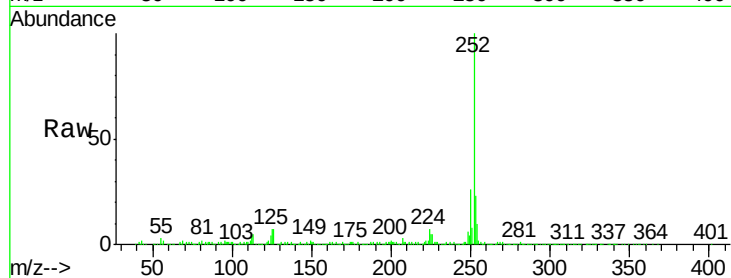
Tgt Ion:252 Resp: 520024

Ion Ratio Lower Upper

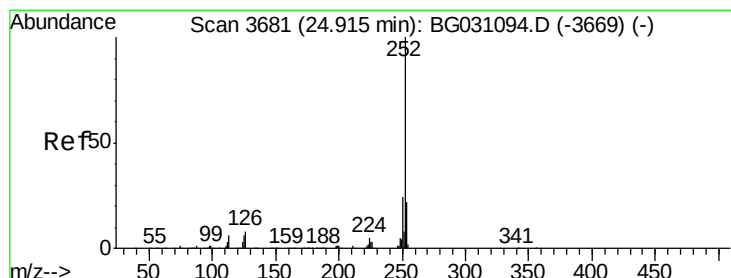
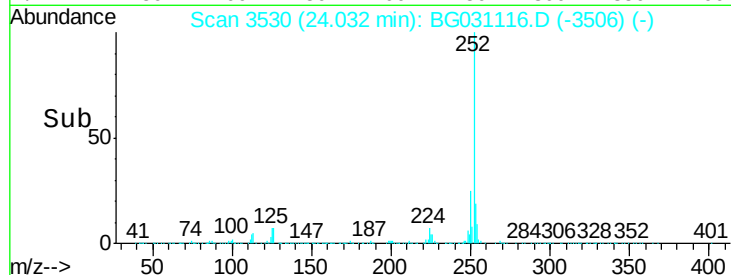
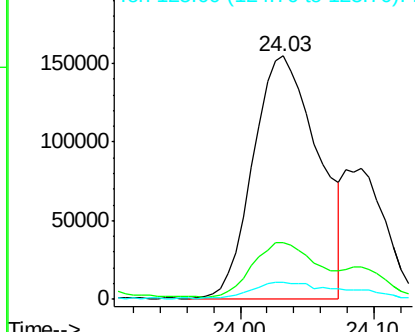
252 100

253 23.3 17.4 26.2

125 7.2 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: 9.92 ng/ul

RT: 24.78 min Scan# 3657

Delta R.T. -0.14 min

Lab File: BG031116.D

Acq: 18 Nov 2017 12:43

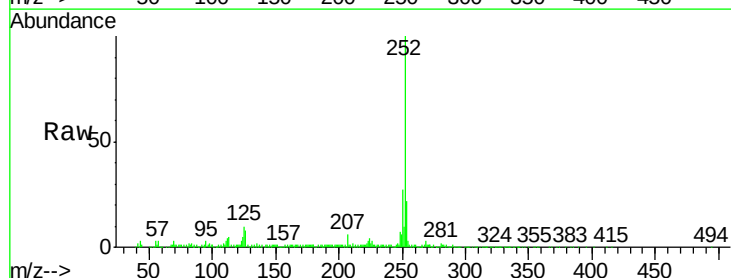
Tgt Ion:252 Resp: 239532

Ion Ratio Lower Upper

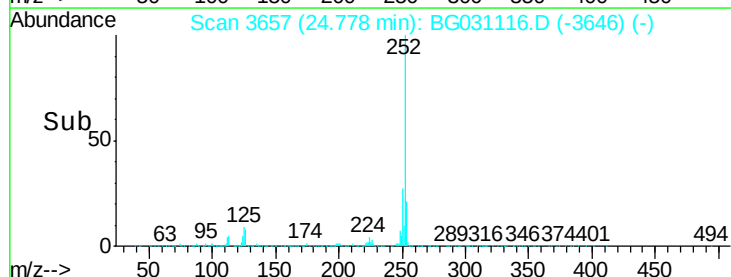
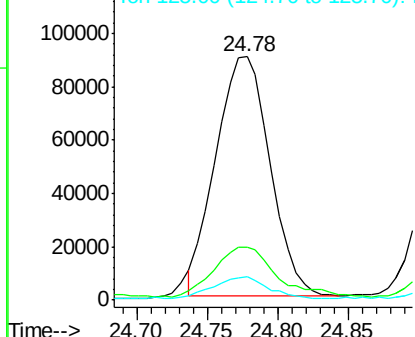
252 100

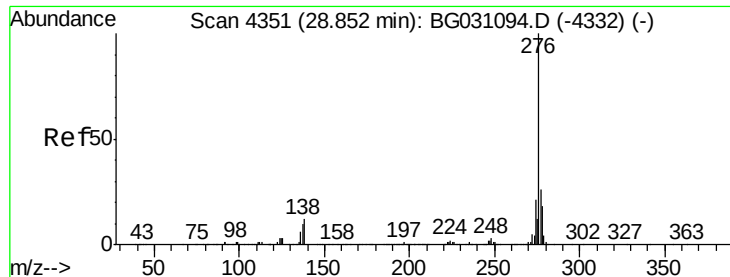
253 22.0 17.1 25.7

125 9.5 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





#28

Indeno(1,2,3-cd)pyrene

Concen: 7.94 ng/ul

RT: 28.87 min Scan# 4353

Delta R.T. 0.02 min

Lab File: BG031116.D

Acq: 18 Nov 2017 12:43

Instrument :

BNA_G

ClientSampleId :

B0FP2

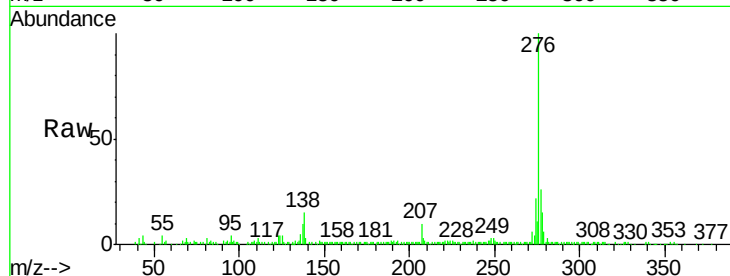
Tgt Ion:276 Resp: 218556

Ion Ratio Lower Upper

276 100

138 18.0 17.8 26.6

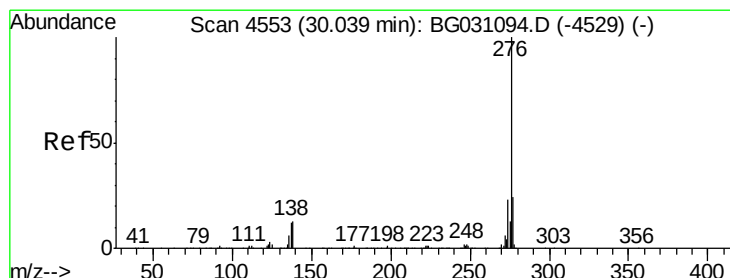
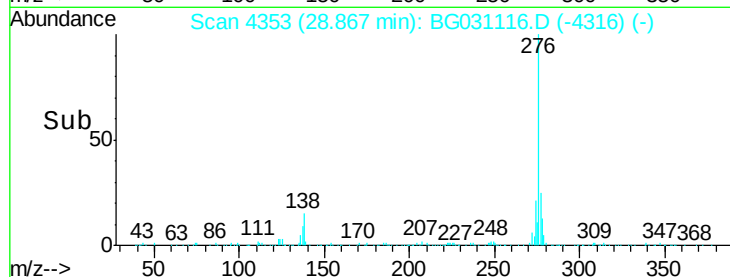
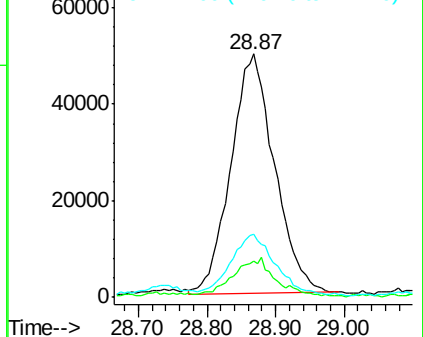
277 25.8 19.4 29.0



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



#30

Benzo(g,h,i)perylene

Concen: 4.00 ng/ul

RT: 30.05 min Scan# 4554

Delta R.T. 0.01 min

Lab File: BG031116.D

Acq: 18 Nov 2017 12:43

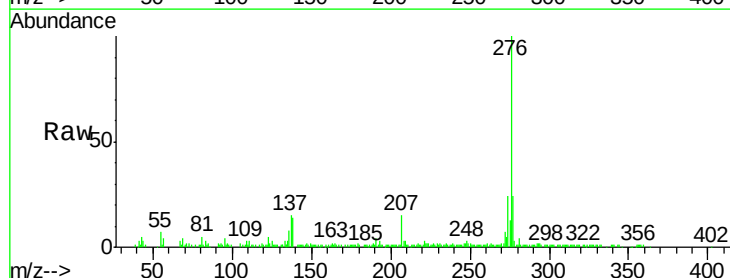
Tgt Ion:276 Resp: 91637

Ion Ratio Lower Upper

276 100

138 14.2 19.0 28.4#

277 24.1 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

