

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112017\
 Data File : BG031141.D
 Acq On : 20 Nov 2017 21:37
 Operator : SJ/JU
 Sample : I6475-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0G43

Quant Time: Nov 21 07:08:34 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

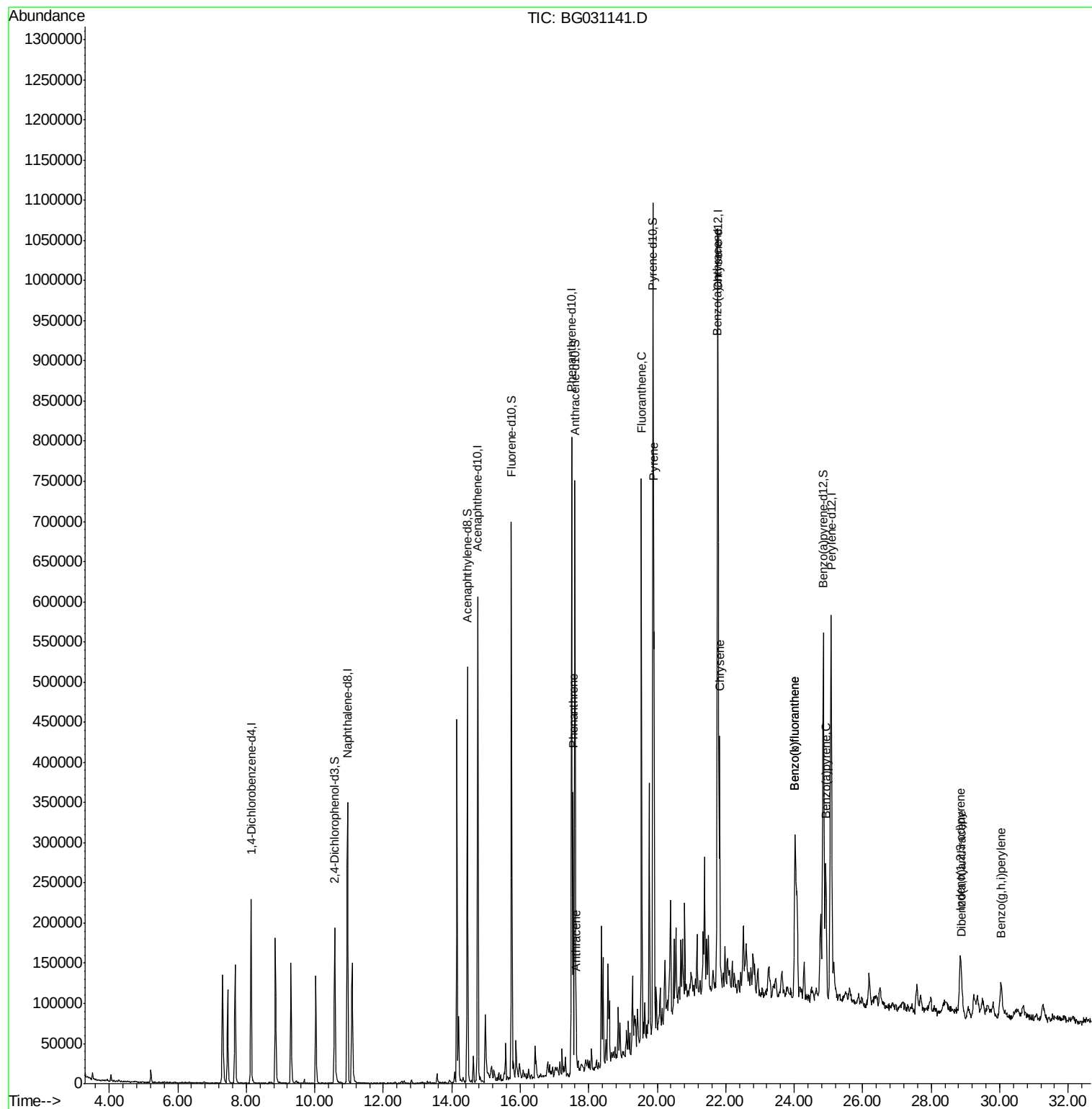
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	69784	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	329008	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.76	164	219653	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.50	188	509282	20.00	ng/ul	0.00
18) Chrysene-d12	21.77	240	531461	20.00	ng/ul	0.00
23) Perylene-d12	25.07	264	542073	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.58	165	96545	15.55	ng/uL	0.00
7) Acenaphthylene-d8	14.46	160	423131	18.52	ng/ul	0.00
10) Fluorene-d10	15.74	176	313055	17.06	ng/ul	0.00
15) Anthracene-d10	17.60	188	474029	18.60	ng/ul	0.00
19) Pyrene-d10	19.87	212	526001	21.67	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.85	264	493985	18.42	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.54	178	221463	8.10	ng/ul	97
16) Anthracene	17.64	178	45025	1.62	ng/ul	98
17) Fluoranthene	19.54	202	469444	12.34	ng/ul#	91
20) Pyrene	19.90	202	402122	14.26	ng/ul#	89
21) Benzo(a)anthracene	21.75	228	259603	8.02	ng/ul	98
22) Chrysene	21.82	228	241157	7.83	ng/ul	98
24) Benzo(b)fluoranthene	24.02	252	279625	8.54	ng/ul#	96
25) Benzo(k)fluoranthene	24.02	252	279625	8.67	ng/ul	97
27) Benzo(a)pyrene	24.91	252	189025	6.02	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.85	276	118750	3.32	ng/ul#	90
29) Dibenzo(a,h)anthracene	28.90	278	36678	1.24	ng/ul#	85
30) Benzo(a,h,i)perylene	30.04	276	58208	1.95	ng/ul#	90

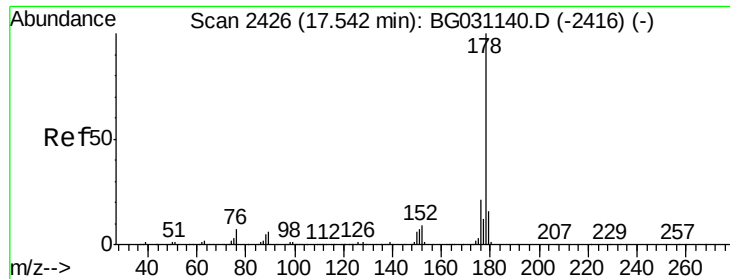
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Phenanthrene

Concen: 8.10 ng/ul

RT: 17.54 min Scan# 2426

Delta R.T. -0.00 min

Lab File: BG031141.D

Acq: 20 Nov 2017 21:37

Instrument :

BNA_G

ClientSampleId :

B0G43

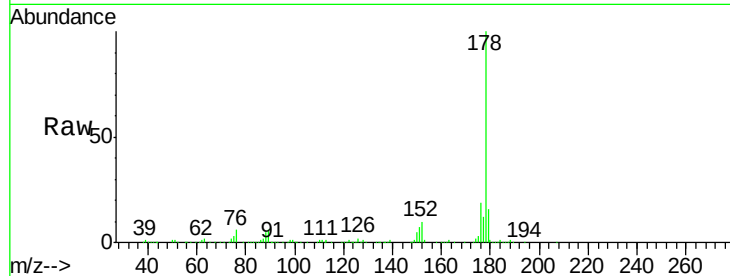
Tot Ion:178 Resp: 221463

Ion Ratio Lower Upper

178 100

179 16.5 12.2 18.4

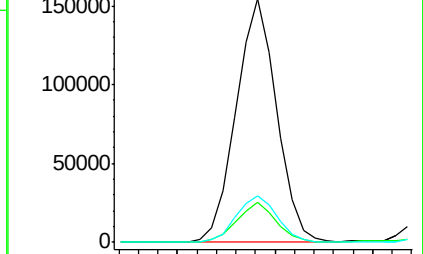
176 19.2 16.4 24.6



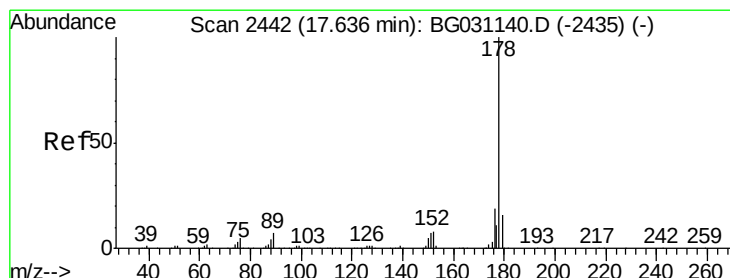
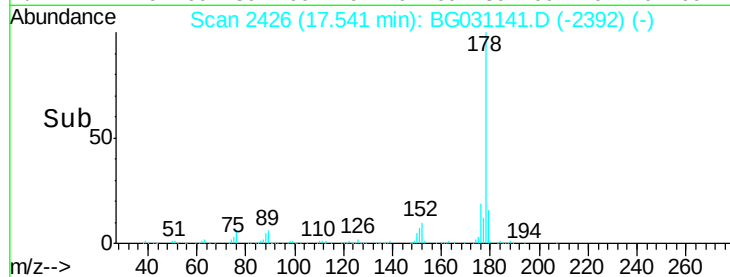
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#16

Anthracene

Concen: 1.62 ng/ul

RT: 17.64 min Scan# 2442

Delta R.T. -0.00 min

Lab File: BG031141.D

Acq: 20 Nov 2017 21:37

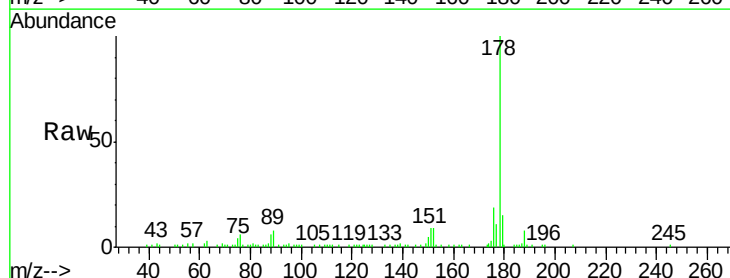
Tgt Ion:178 Resp: 45025

Ion Ratio Lower Upper

178 100

179 14.6 12.7 19.1

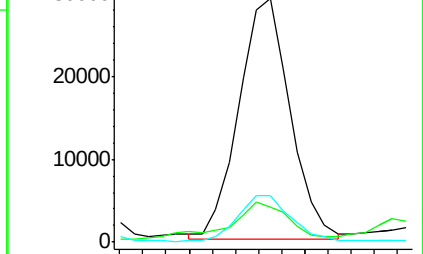
176 19.0 15.8 23.8



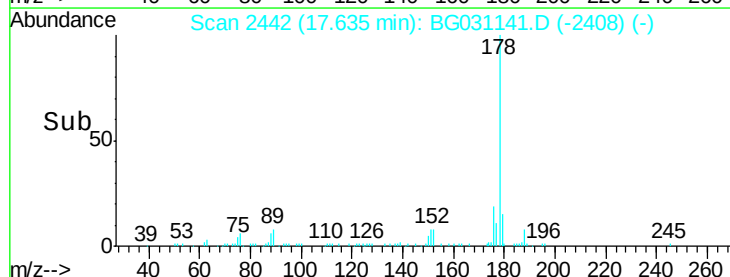
Abundance Ion 178.00 (177.70 to 178.70): E

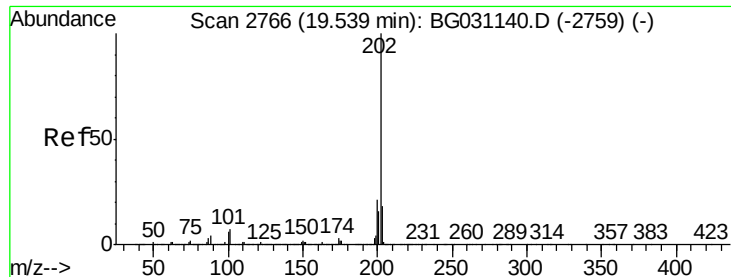
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->

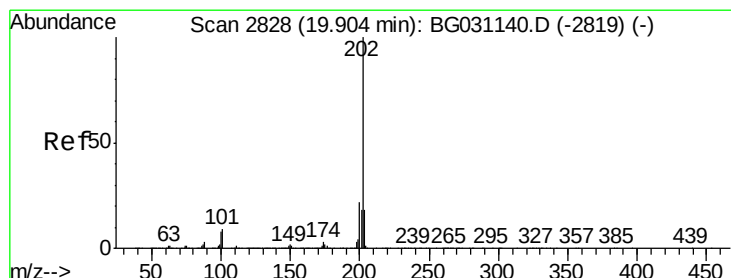
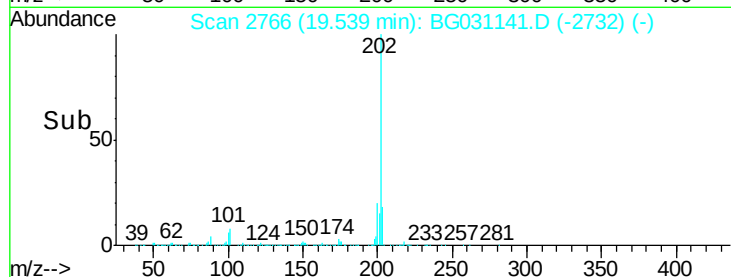
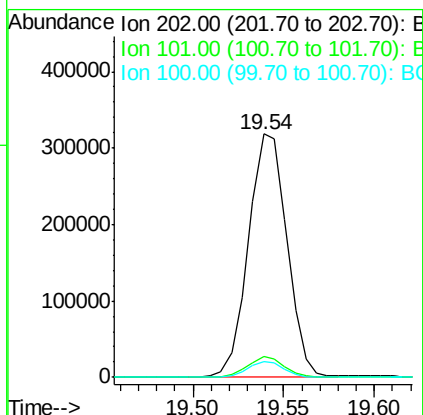
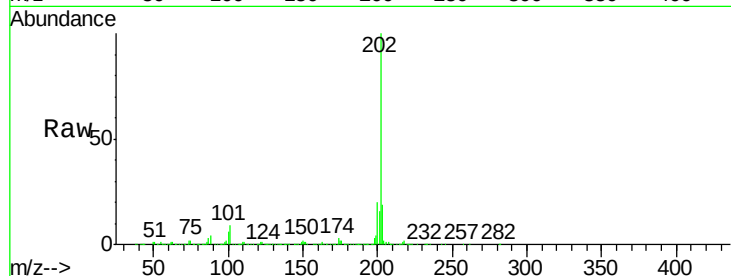




#17
 Fluoranthene
 Concen: 12.34 ng/ul
 RT: 19.54 min Scan# 2766
 Delta R.T. -0.00 min
 Lab File: BG031141.D
 Acq: 20 Nov 2017 21:37

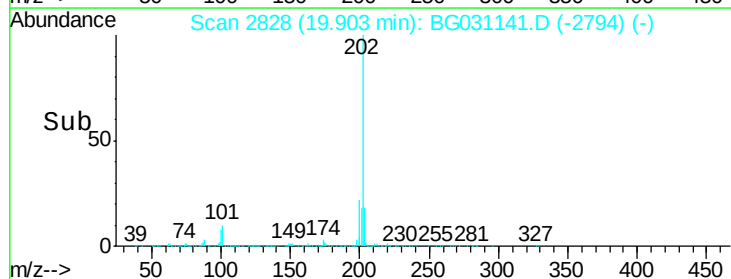
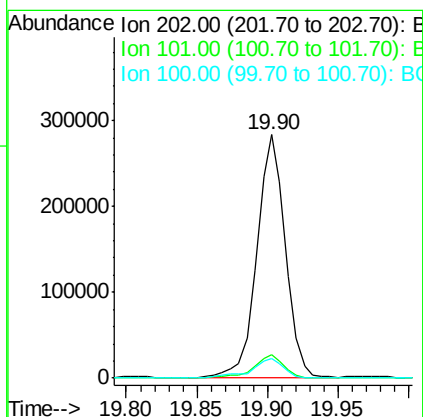
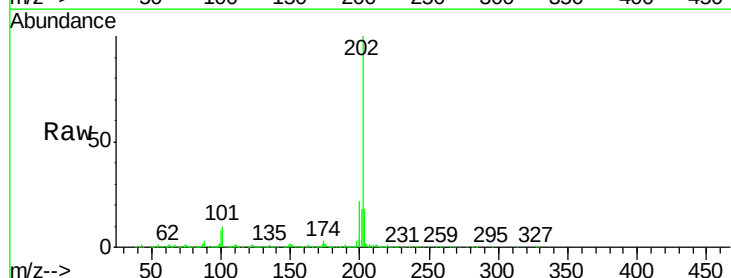
Instrument :
 BNA_G
 ClientSampleId :
 B0G43

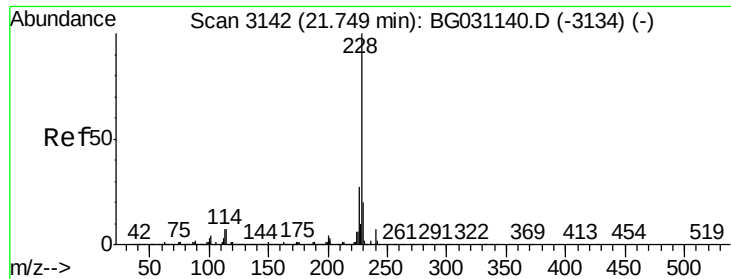
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.7	9.8	14.8#
100	6.3	7.5	11.3#



#20
 Pyrene
 Concen: 14.26 ng/ul
 RT: 19.90 min Scan# 2828
 Delta R.T. -0.00 min
 Lab File: BG031141.D
 Acq: 20 Nov 2017 21:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	11.2	16.8#
100	8.1	9.8	14.6#

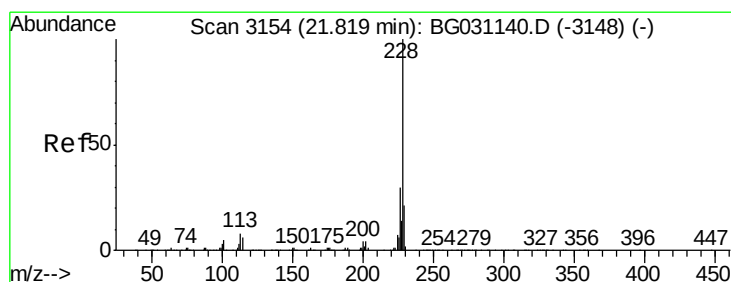
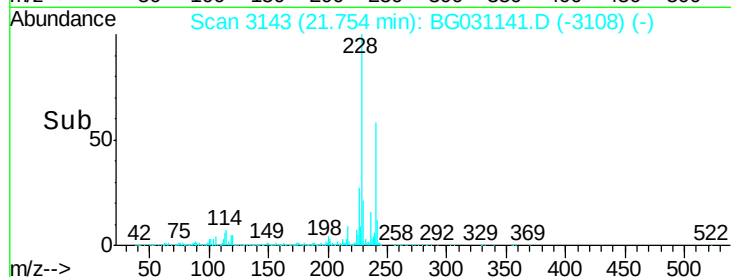
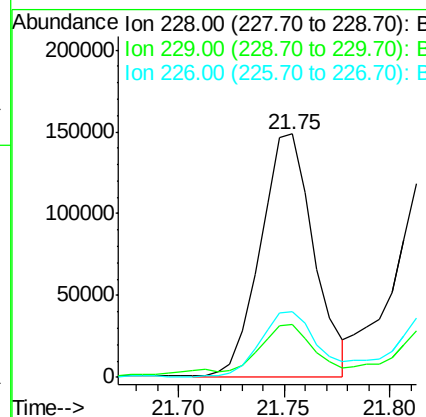
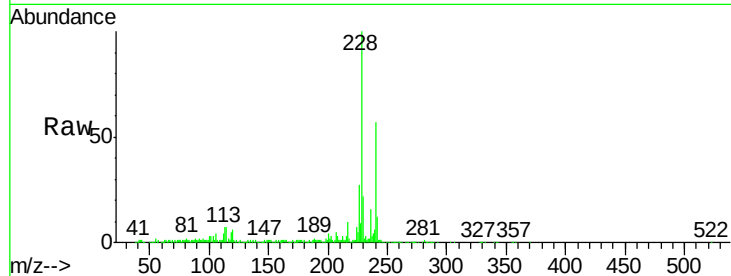




#21
Benzo(a)anthracene
Concen: 8.02 ng/ul
RT: 21.75 min Scan# 3143
Delta R.T. 0.01 min
Lab File: BG031141.D
Acq: 20 Nov 2017 21:37

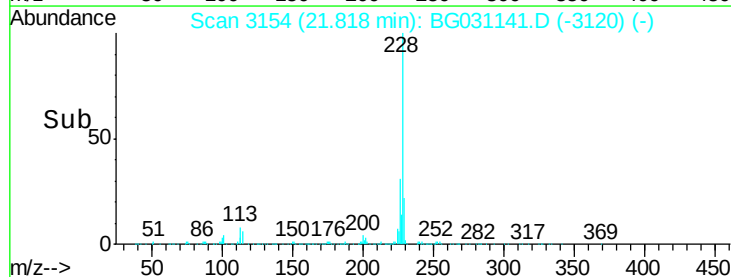
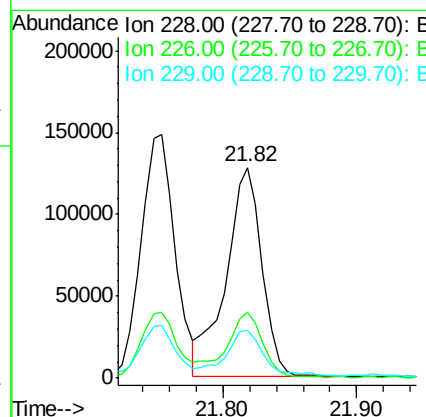
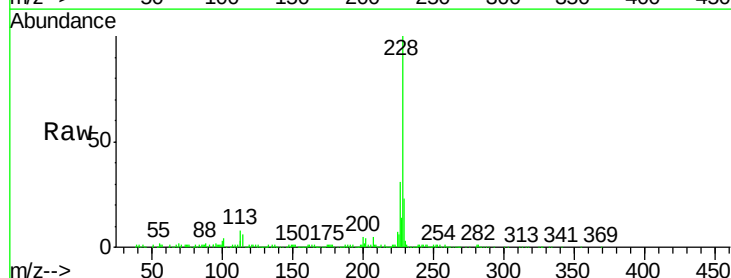
Instrument :
BNA_G
ClientSampleId :
B0G43

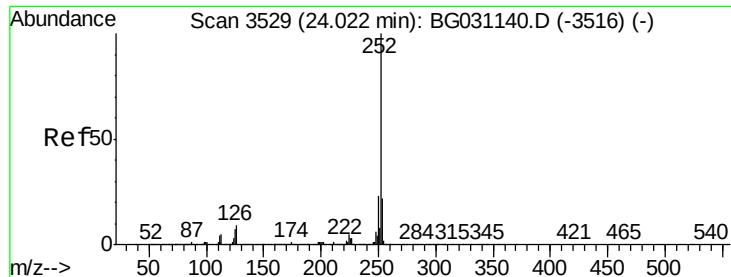
Tot Ion	Ratio	Lower	Upper
228	100		
229	21.8	15.9	23.9
226	27.1	22.1	33.1



#22
Chrysene
Concen: 7.83 ng/ul
RT: 21.82 min Scan# 3154
Delta R.T. -0.00 min
Lab File: BG031141.D
Acq: 20 Nov 2017 21:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	22.5	16.6	25.0





#24

Benzo(b)fluoranthene

Concen: 8.54 ng/ul

RT: 24.02 min Scan# 3529

Delta R.T. -0.00 min

Lab File: BG031141.D

Acq: 20 Nov 2017 21:37

Instrument :

BNA_G

ClientSampled :

B0G43

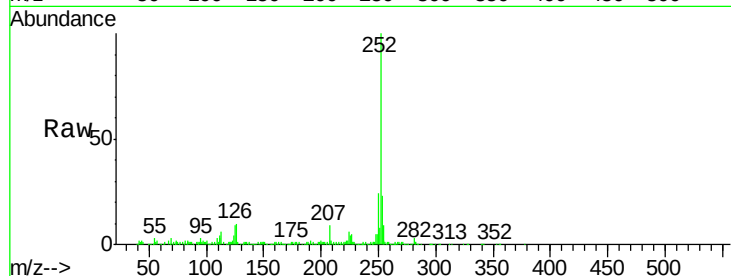
Tot Ion:252 Resp: 279625

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

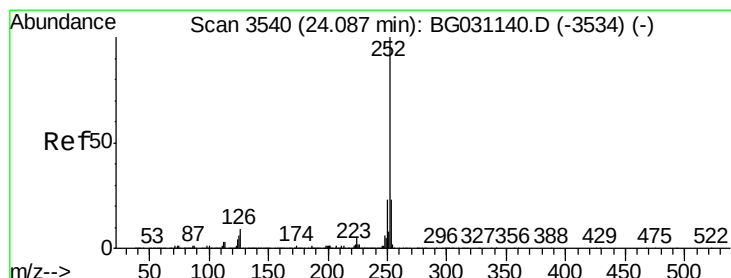
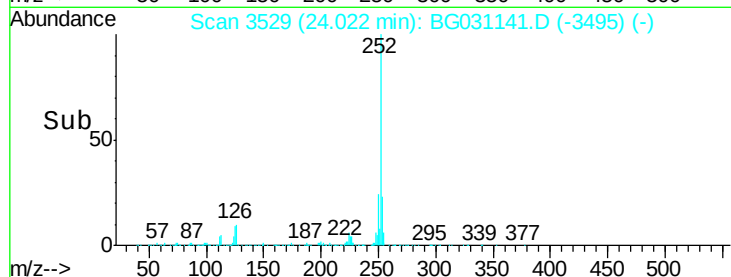
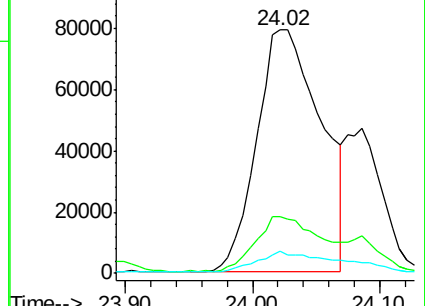
125 9.3 9.4 14.0#



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: 8.67 ng/ul

RT: 24.02 min Scan# 3529

Delta R.T. -0.07 min

Lab File: BG031141.D

Acq: 20 Nov 2017 21:37

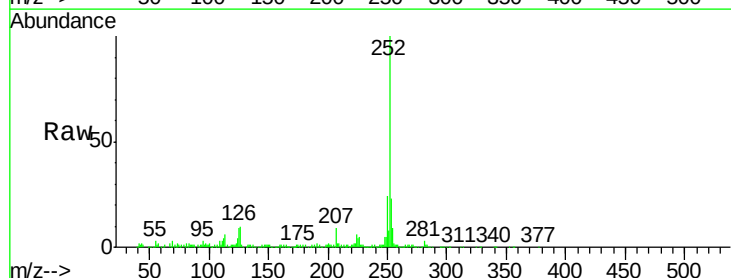
Tgt Ion:252 Resp: 279625

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

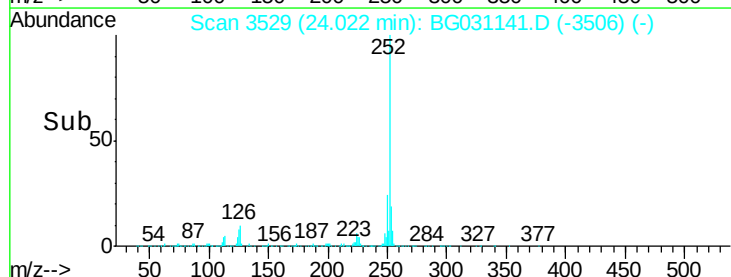
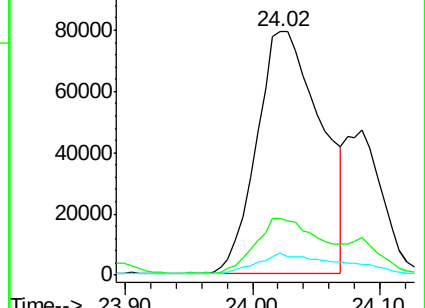
125 9.3 8.8 13.2

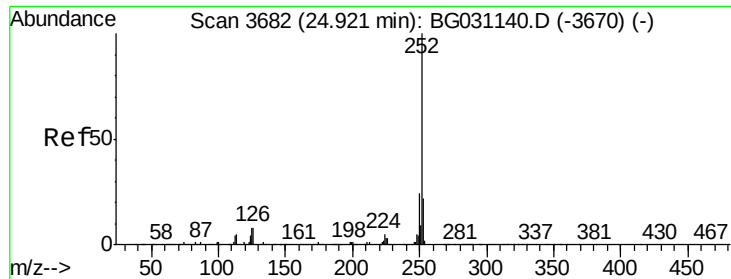


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

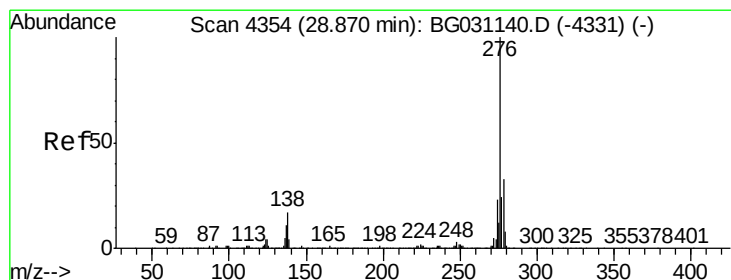
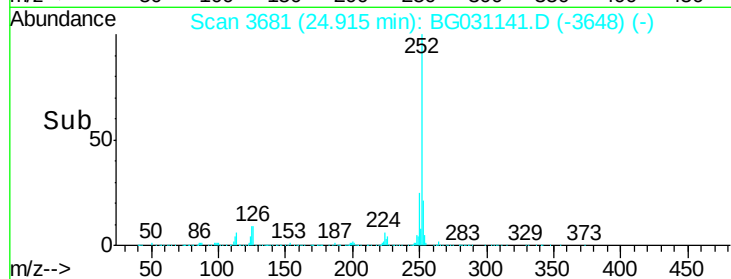
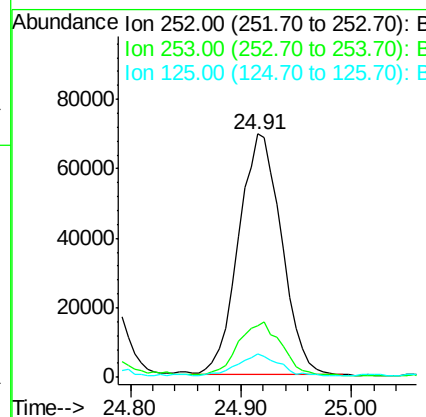
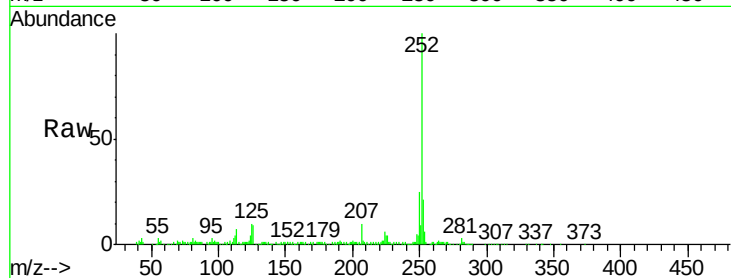




#27
Benzo(a)pyrene
Concen: 6.02 ng/ul
RT: 24.91 min Scan# 3681
Delta R.T. -0.01 min
Lab File: BG031141.D
Acq: 20 Nov 2017 21:37

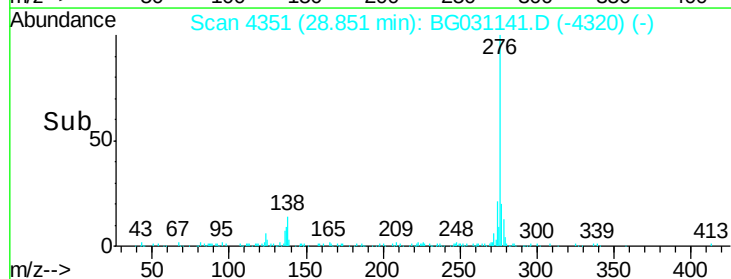
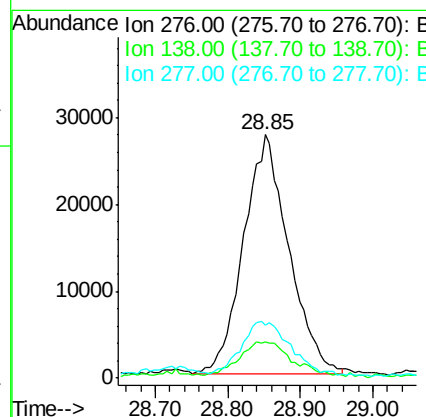
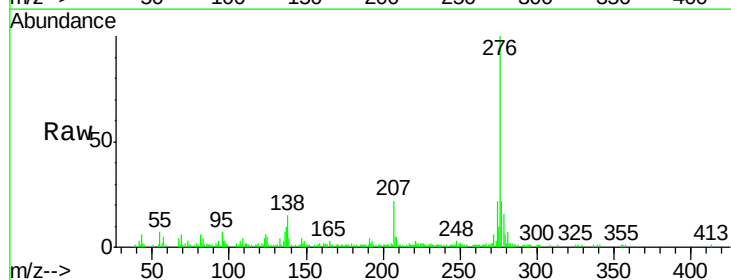
Instrument :
BNA_G
ClientSampleId :
B0G43

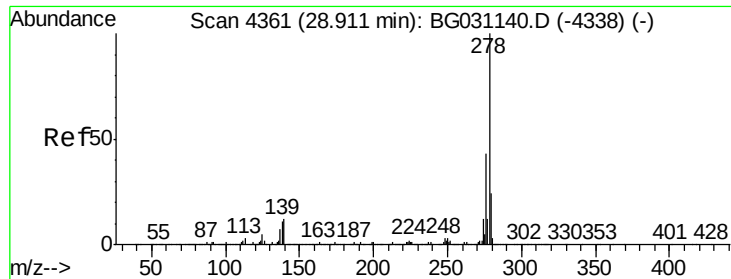
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.1	25.7
125	9.6	9.4	14.2



#28
Indeno(1,2,3-cd)pyrene
Concen: 3.32 ng/ul
RT: 28.85 min Scan# 4351
Delta R.T. -0.02 min
Lab File: BG031141.D
Acq: 20 Nov 2017 21:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.6	17.8	26.6#
277	21.8	19.4	29.0





#29

Dibenzo(a,h)anthracene

Concen: 1.24 ng/ul

RT: 28.90 min Scan# 4359

Delta R.T. -0.01 min

Lab File: BG031141.D

Acq: 20 Nov 2017 21:37

Instrument :

BNA_G

ClientSampleId :

B0G43

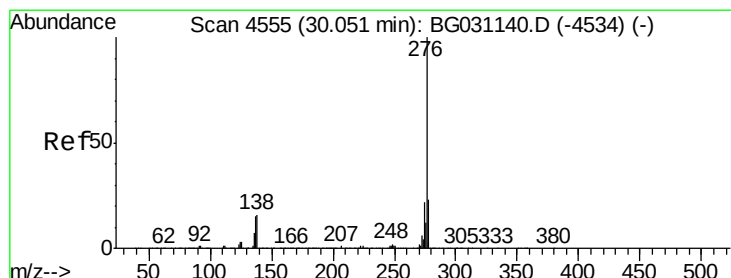
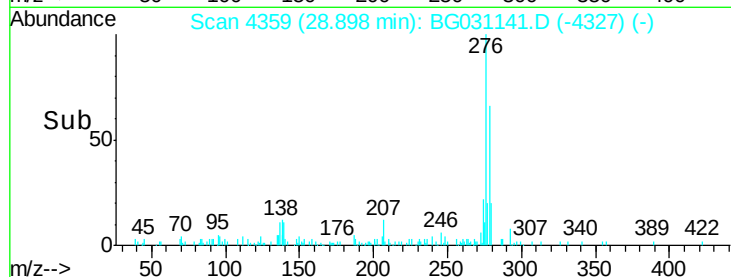
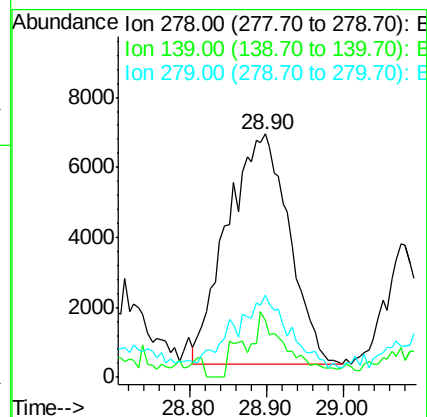
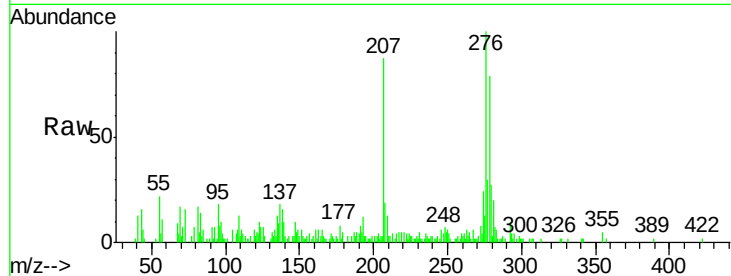
Tot Ion:278 Resp: 36678

Ion Ratio Lower Upper

278 100

139 23.5 14.0 21.0#

279 33.7 20.6 31.0#



#30

Benzo(g,h,i)perylene

Concen: 1.95 ng/ul

RT: 30.04 min Scan# 4553

Delta R.T. -0.01 min

Lab File: BG031141.D

Acq: 20 Nov 2017 21:37

Tgt Ion:276 Resp: 58208

Ion Ratio Lower Upper

276 100

138 15.9 19.0 28.4#

277 22.4 19.7 29.5

