

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031717\
 Data File : BG026316.D
 Acq On : 18 Mar 2017 13:38
 Operator : SJ/MA
 Sample : I2283-19
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB316

Quant Time: Mar 20 03:24:59 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 20 03:22:51 2017
 Response via : Initial Calibration

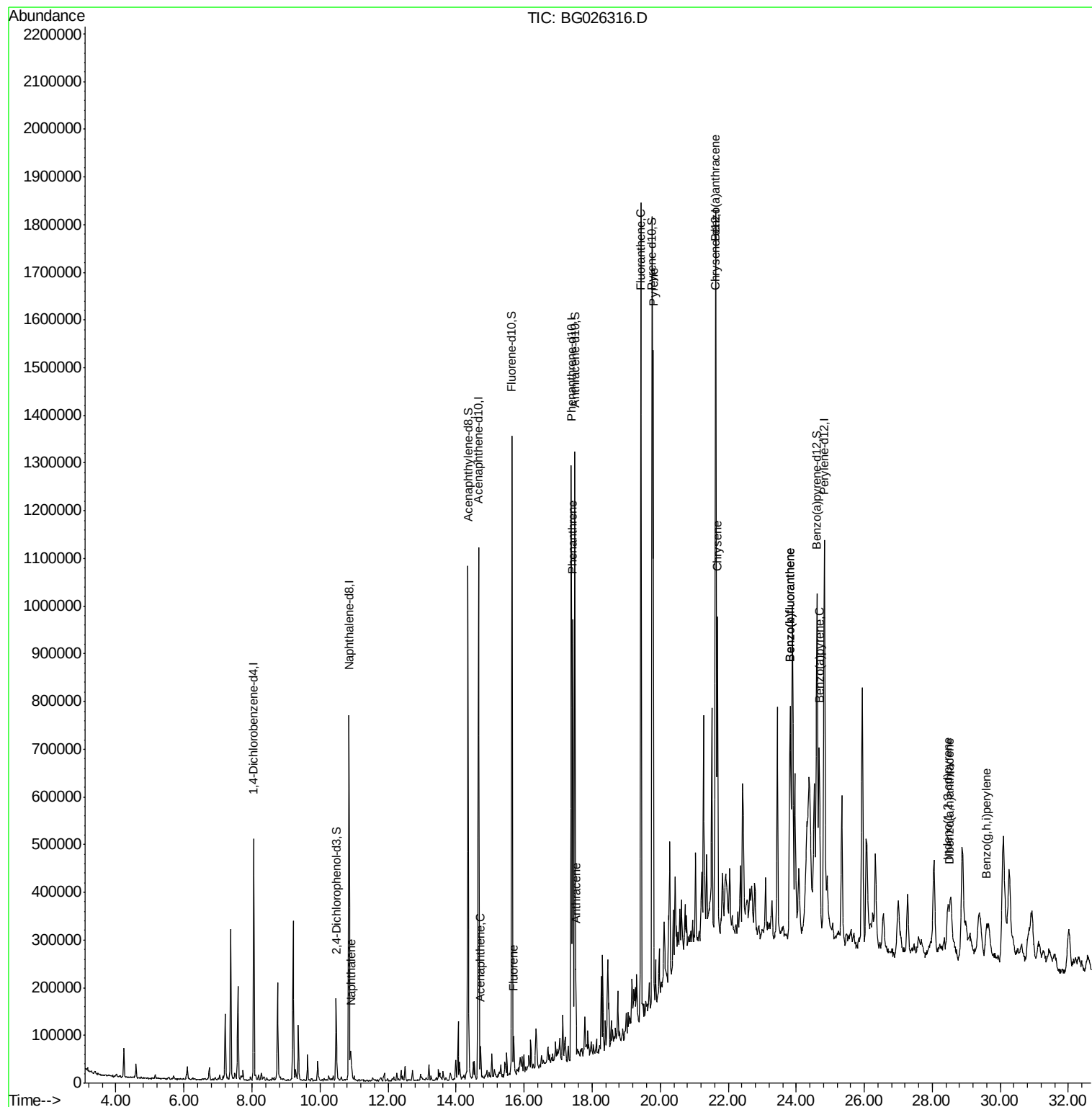
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	157019	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	718841	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	390984	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	776917	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	775776	20.00	ng/ul	0.00
23) Perylene-d12	24.83	264	742886	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.47	165	77656	7.29	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	809010	24.27	ng/ul	0.00
10) Fluorene-d10	15.64	176	562193	23.12	ng/ul	0.00
15) Anthracene-d10	17.49	188	777202	22.51	ng/ul	0.00
19) Pyrene-d10	19.76	212	802723	20.28	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	733693	22.90	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.90	128	45295	1.29	ng/ul	97
9) Acenaphthene	14.72	153	25399	1.06	ng/ul	94
11) Fluorene	15.70	166	32295	1.19	ng/ul	88
14) Phenanthrene	17.43	178	593147	14.41	ng/ul	99
16) Anthracene	17.52	178	120196	2.89	ng/ul	97
17) Fluoranthene	19.43	202	1022418	23.92	ng/ul	99
20) Pyrene	19.79	202	837293	16.95	ng/ul	98
21) Benzo(a)anthracene	21.62	228	493398	11.43	ng/ul	98
22) Chrysene	21.68	228	471929	11.71	ng/ul	100
24) Benzo(b)fluoranthene	23.82	252	613807	14.55	ng/ul	96
25) Benzo(k)fluoranthene	23.82	252	613807	15.24	ng/ul#	95
27) Benzo(a)pyrene	24.67	252	392025	10.00	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.45	276	194246	4.49	ng/ul	97
29) Dibenzo(a,h)anthracene	28.49	278	34510	1.01	ng/ul#	90
30) Benzo(a,h,i)perylene	29.59	276	149491	4.04	ng/ul	98

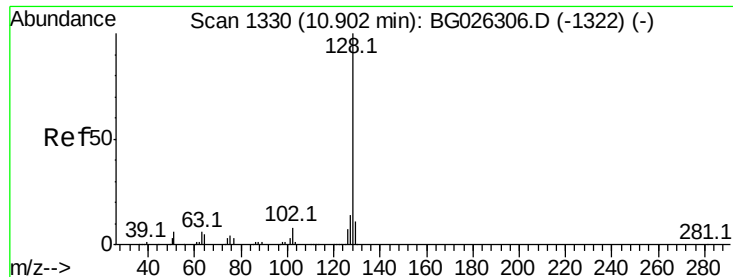
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.29 ng/ul

RT: 10.90 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BG026316.D

Acq: 18 Mar 2017 13:38

Instrument :

BNA_G

ClientSampleId :

CB316

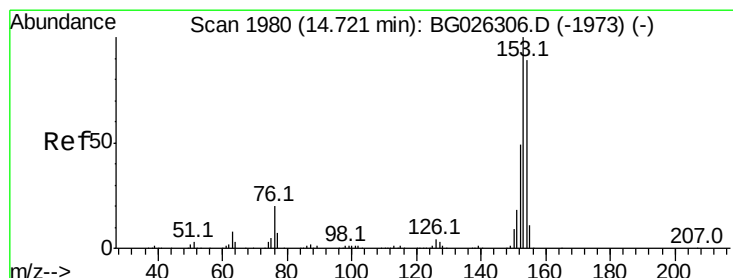
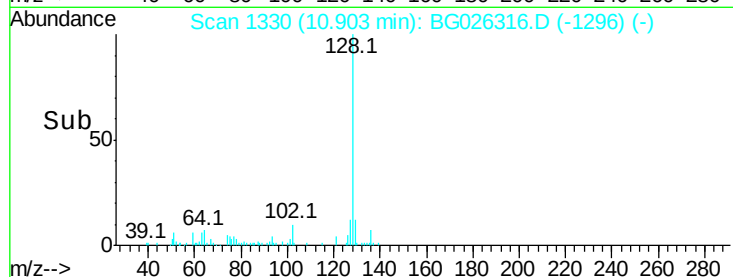
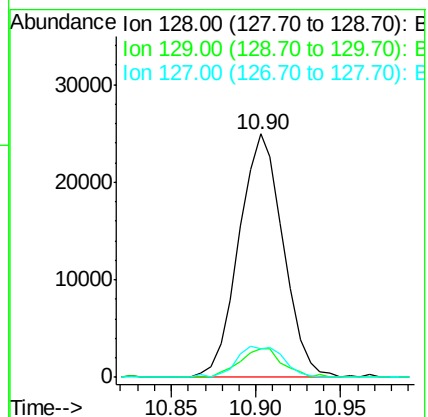
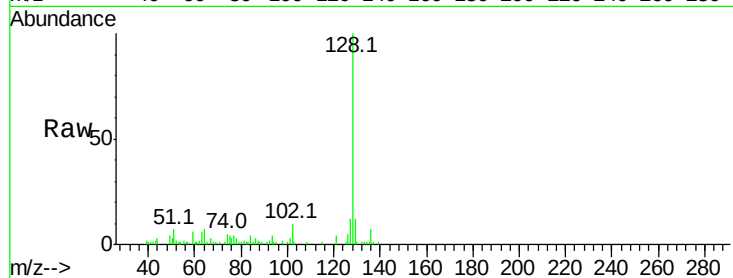
Tot Ion:128 Resp: 45295

Ion Ratio Lower Upper

128 100

129 11.7 9.1 13.7

127 11.5 10.6 15.8



#9

Acenaphthene

Concen: 1.06 ng/ul

RT: 14.72 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BG026316.D

Acq: 18 Mar 2017 13:38

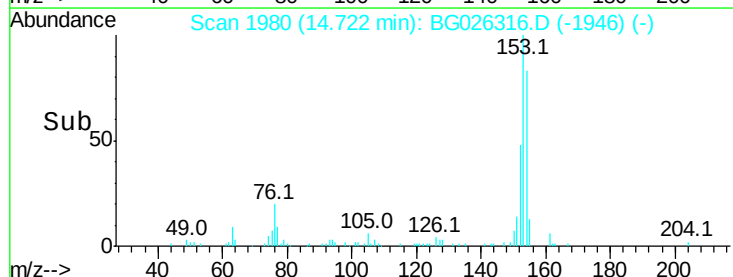
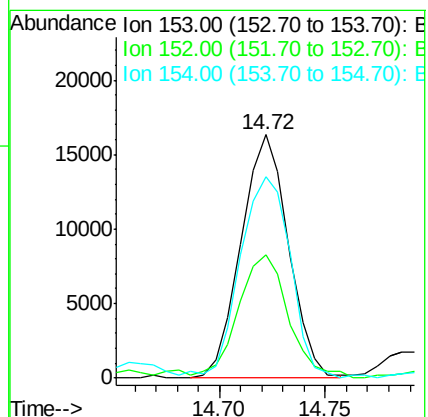
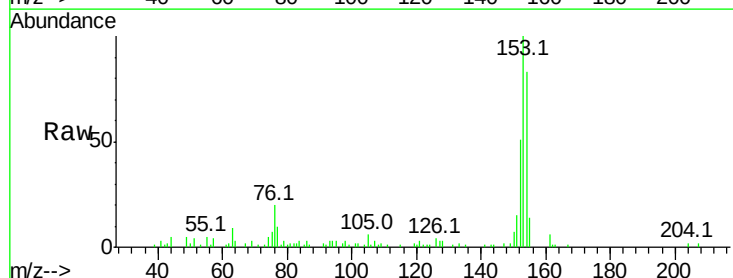
Tgt Ion:153 Resp: 25399

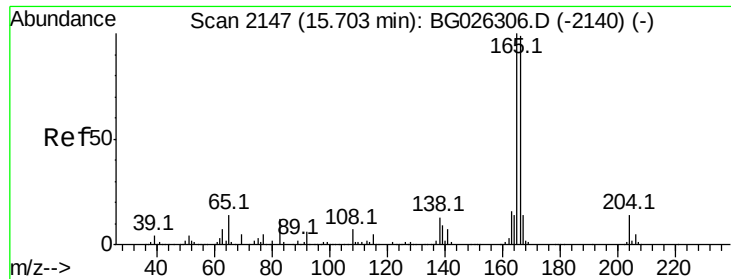
Ion Ratio Lower Upper

153 100

152 50.6 37.9 56.9

154 82.6 71.6 107.4





#11

Fluorene

Concen: 1.19 ng/ul

RT: 15.70 min Scan# 2146

Delta R.T. -0.01 min

Lab File: BG026316.D

Acq: 18 Mar 2017 13:38

Instrument :

BNA_G

ClientSampleId :

CB316

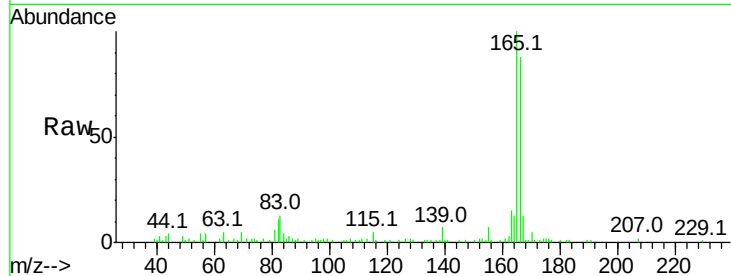
Tot Ion:166 Resp: 32295

Ion Ratio Lower Upper

166 100

165 113.4 80.0 120.0

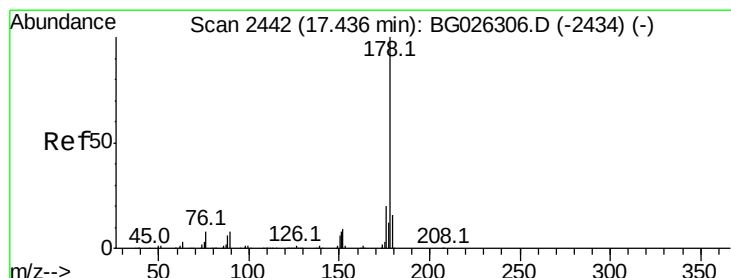
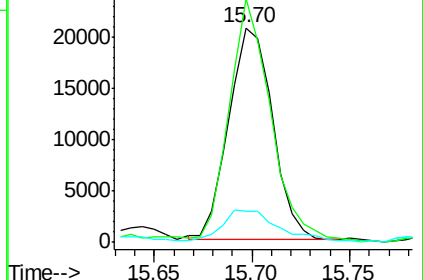
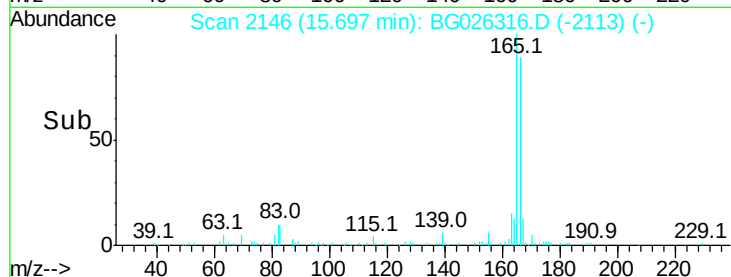
167 14.3 11.6 17.4



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



#14

Phenanthrene

Concen: 14.41 ng/ul

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG026316.D

Acq: 18 Mar 2017 13:38

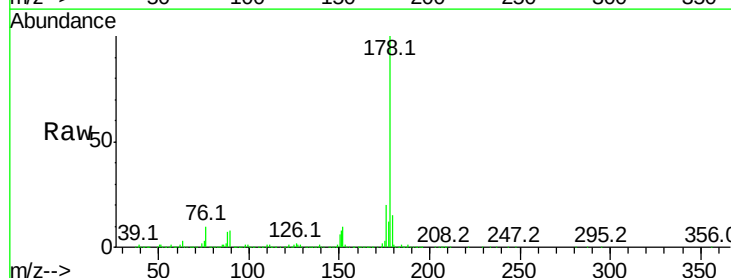
Tgt Ion:178 Resp: 593147

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.4

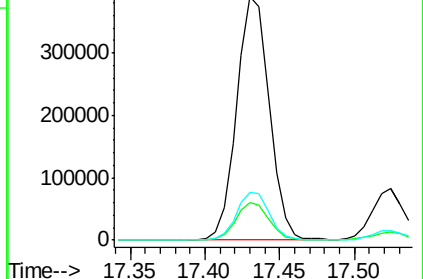
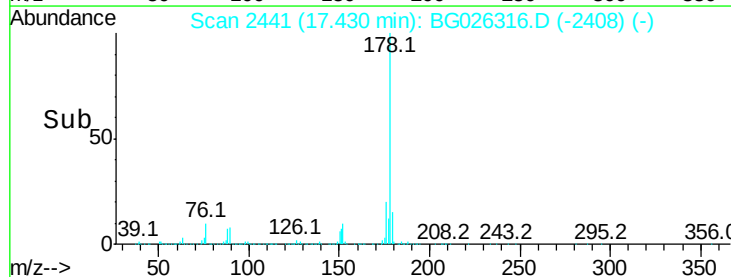
176 19.7 16.4 24.6

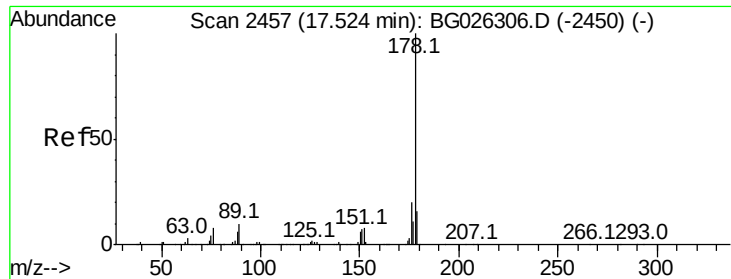


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

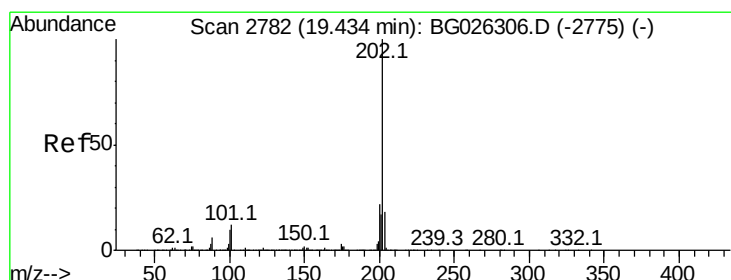
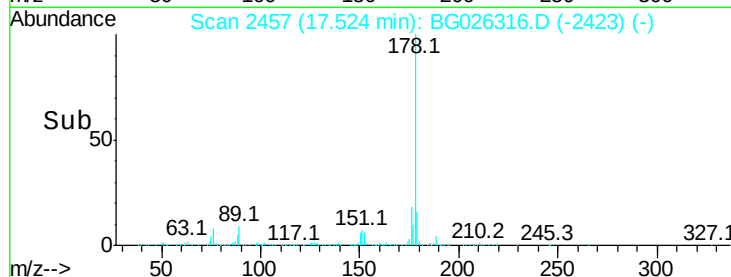
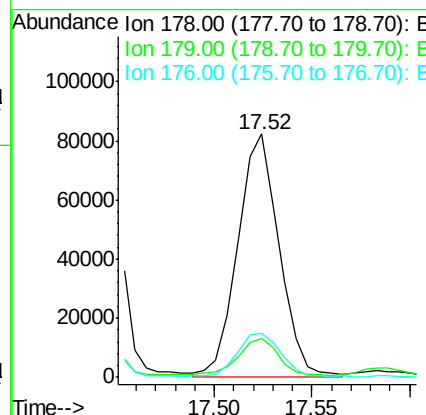
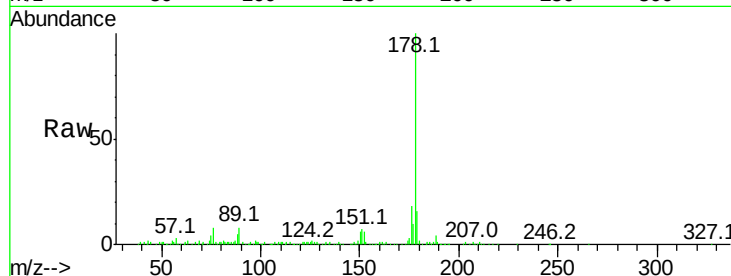




#16
 Anthracene
 Concen: 2.89 ng/ul
 RT: 17.52 min Scan# 2457
 Delta R.T. 0.00 min
 Lab File: BG026316.D
 Acq: 18 Mar 2017 13:38

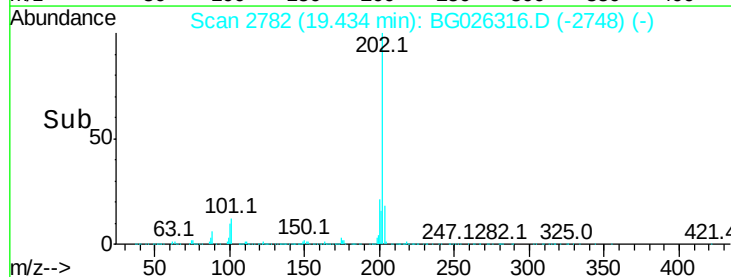
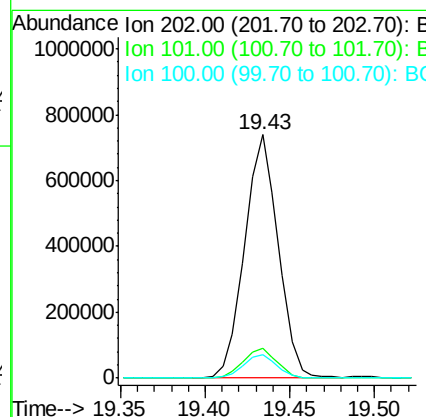
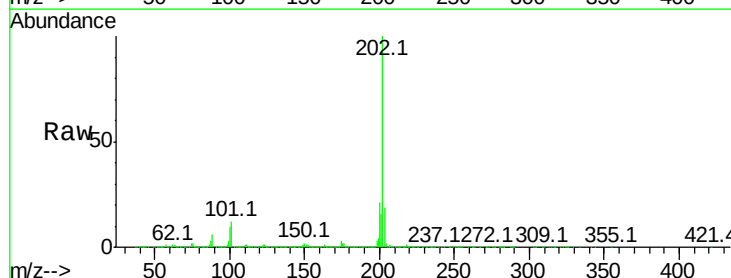
Instrument :
 BNA_G
 ClientSampleId :
 CB316

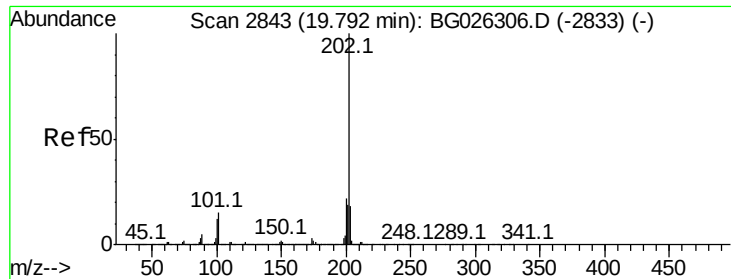
Tot Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.7	19.1
176	17.9	15.8	23.8



#17
 Fluoranthene
 Concen: 23.92 ng/ul
 RT: 19.43 min Scan# 2782
 Delta R.T. 0.00 min
 Lab File: BG026316.D
 Acq: 18 Mar 2017 13:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.8	14.8
100	9.7	7.5	11.3

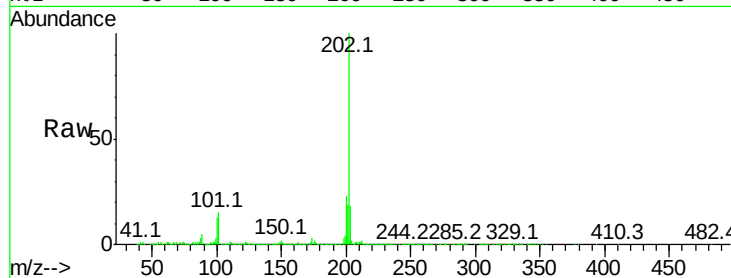




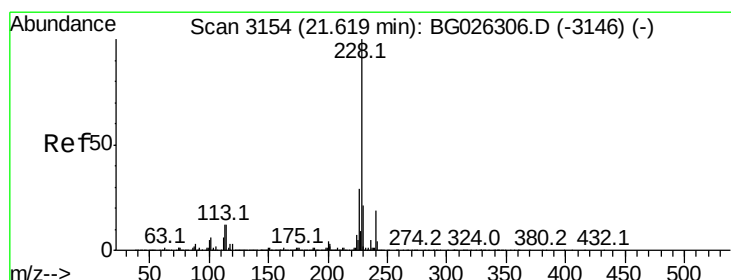
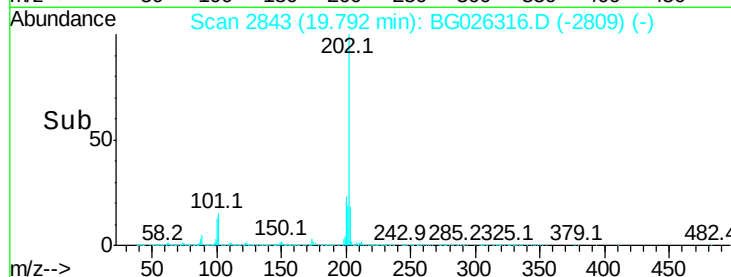
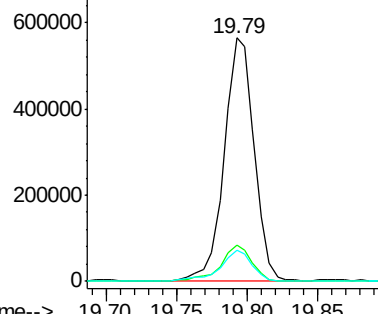
#20
Pvrene
Concen: 16.95 ng/ul
RT: 19.79 min Scan# 2843
Delta R.T. 0.00 min
Lab File: BG026316.D
Acq: 18 Mar 2017 13:38

Instrument :
BNA_G
ClientSampleId :
CB316

Tot Ion	Ratio	Lower	Upper
202	100		
101	15.0	11.2	16.8
100	12.6	9.8	14.6

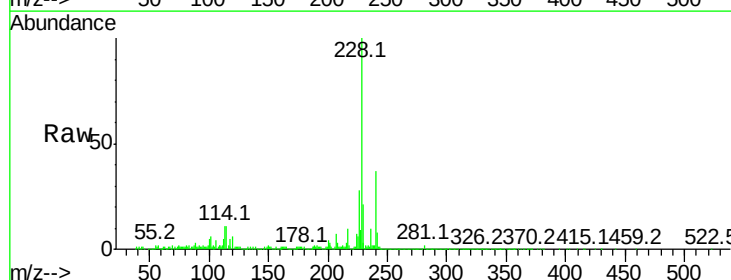


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): E

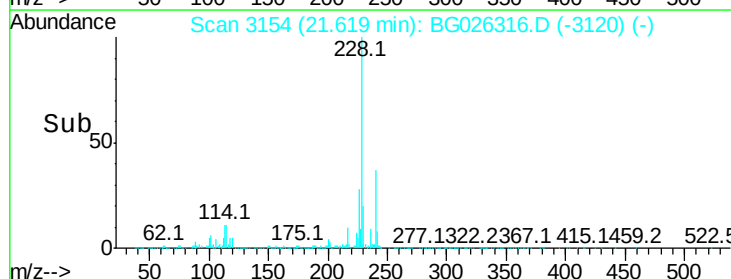
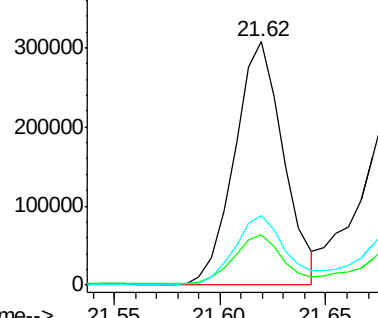


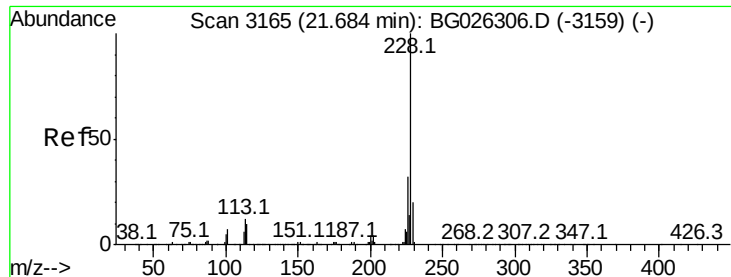
#21
Benzo(a)anthracene
Concen: 11.43 ng/ul
RT: 21.62 min Scan# 3154
Delta R.T. 0.00 min
Lab File: BG026316.D
Acq: 18 Mar 2017 13:38

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.9	23.9
226	28.4	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: 11.71 ng/ul

RT: 21.68 min Scan# 3165

Delta R.T. 0.00 min

Lab File: BG026316.D

Acq: 18 Mar 2017 13:38

Instrument :

BNA_G

ClientSampleId :

CB316

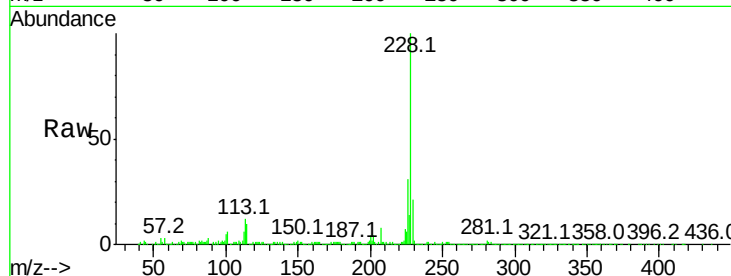
Tot Ion:228 Resp: 471929

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

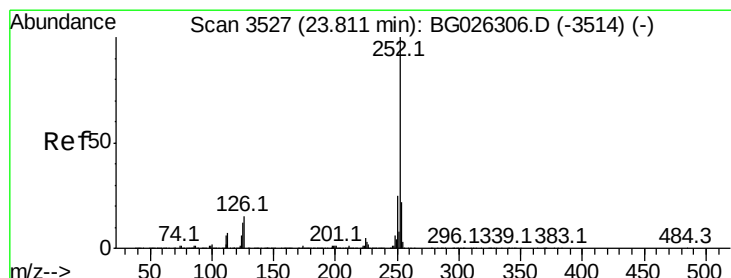
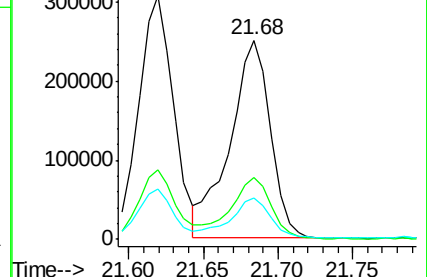
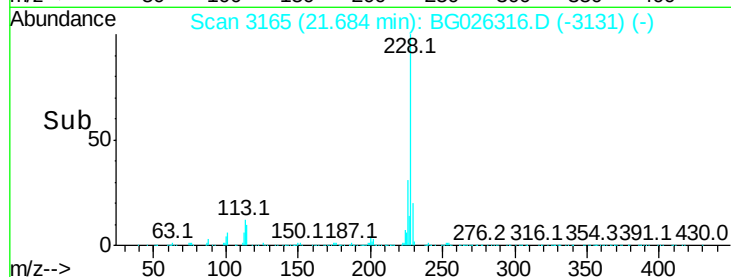
229 21.0 16.6 25.0



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: 14.55 ng/ul

RT: 23.82 min Scan# 3528

Delta R.T. 0.01 min

Lab File: BG026316.D

Acq: 18 Mar 2017 13:38

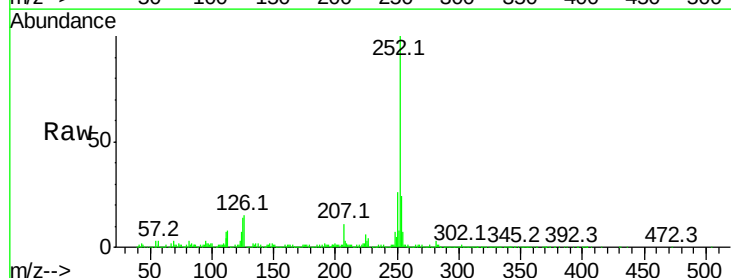
Tgt Ion:252 Resp: 613807

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

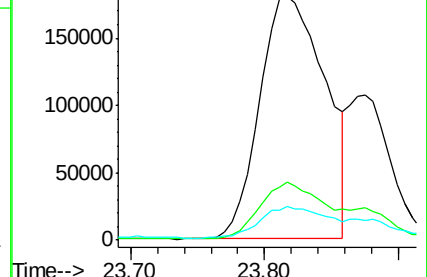
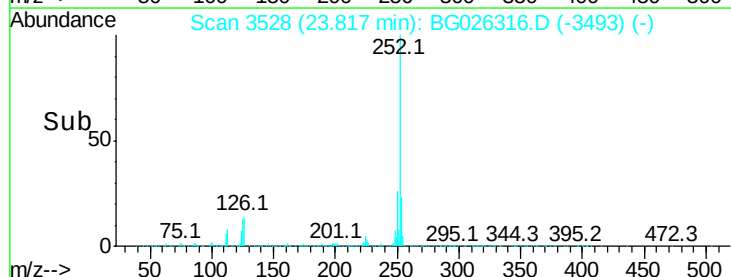
125 13.8 9.4 14.0

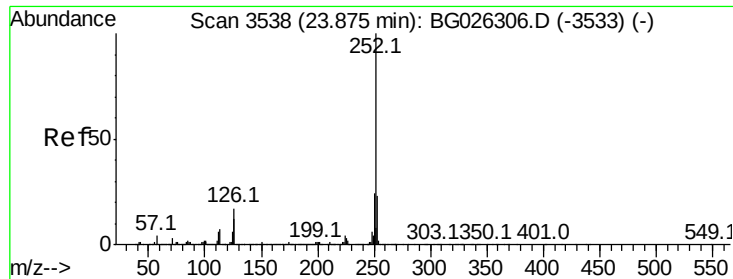


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 15.24 ng/ul

RT: 23.82 min Scan# 3528

Delta R.T. -0.06 min

Lab File: BG026316.D

Acq: 18 Mar 2017 13:38

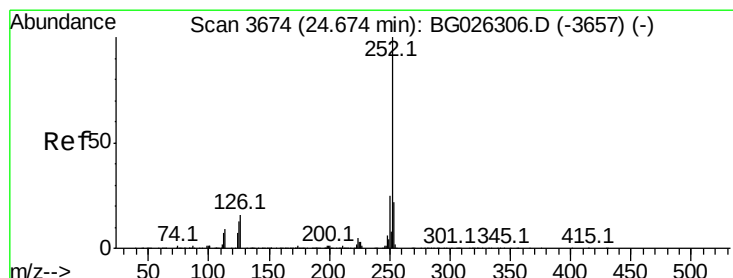
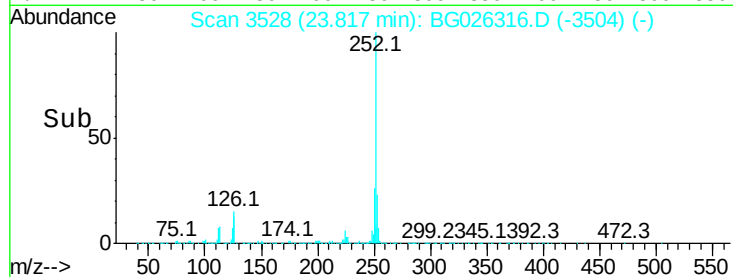
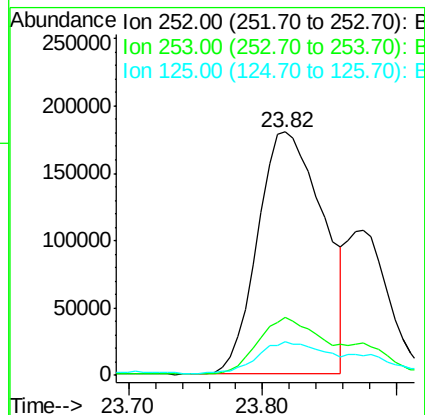
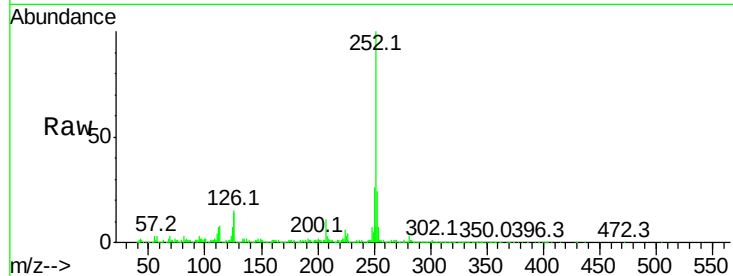
Instrument :

BNA_G

ClientSampleId :

CB316

Tot Ion:252	Resp:	613807
Ion Ratio	Lower	Upper
252	100	
253	23.8	17.4 26.2
125	13.8	8.8 13.2#



#27

Benzo(a)pyrene

Concen: 10.00 ng/ul

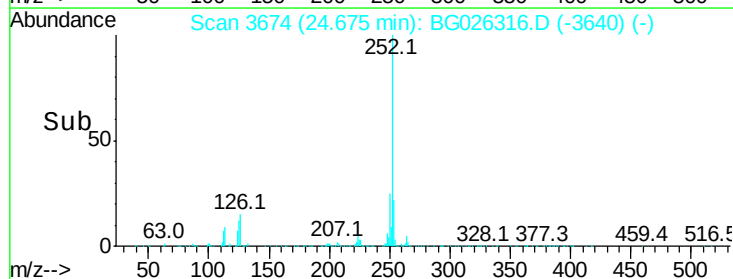
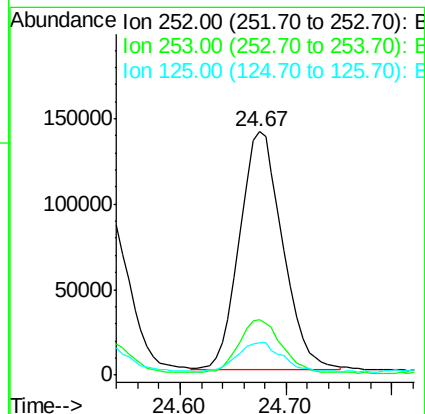
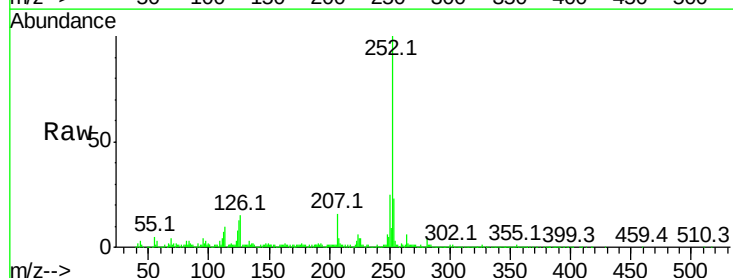
RT: 24.67 min Scan# 3674

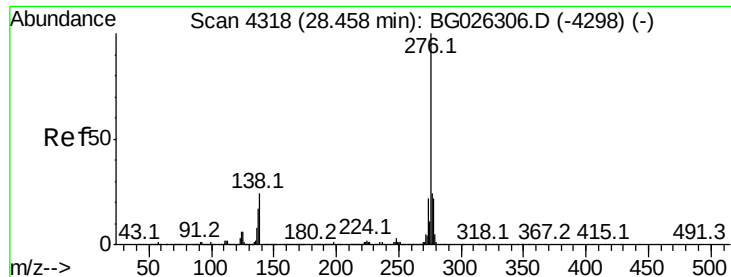
Delta R.T. 0.00 min

Lab File: BG026316.D

Acq: 18 Mar 2017 13:38

Tgt Ion:252	Resp:	392025
Ion Ratio	Lower	Upper
252	100	
253	22.6	17.1 25.7
125	13.5	9.4 14.2





#28

Indeno(1,2,3-cd)pyrene

Concen: 4.49 ng/ul

RT: 28.45 min Scan# 4317

Delta R.T. -0.01 min

Lab File: BG026316.D

Acq: 18 Mar 2017 13:38

Instrument :

BNA_G

ClientSampled :

CB316

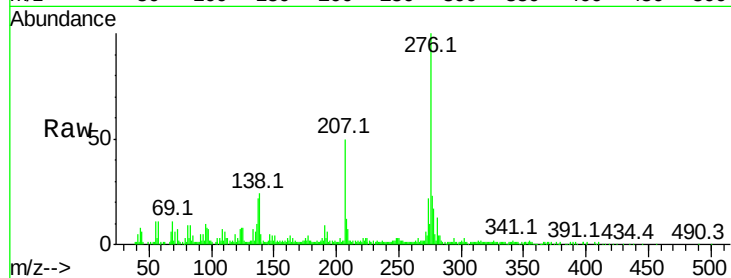
Tot Ion:276 Resp: 194246

Ion Ratio Lower Upper

276 100

138 24.4 17.8 26.6

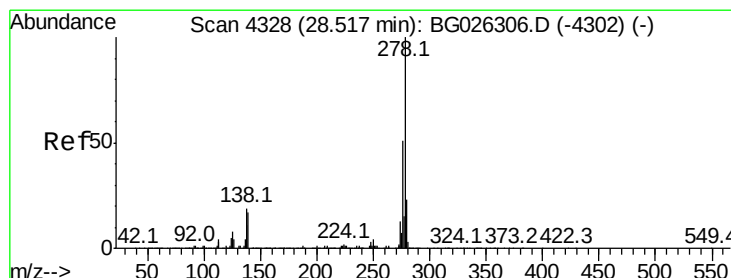
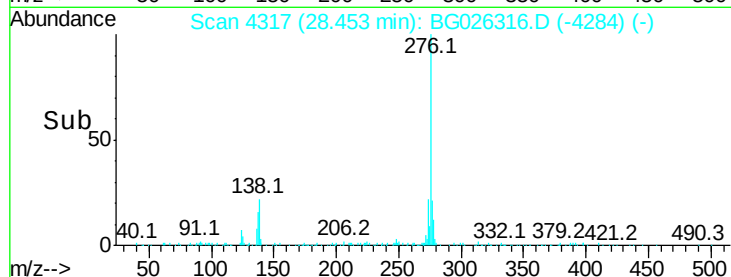
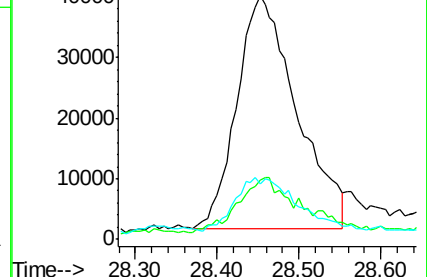
277 23.0 19.4 29.0



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: 1.01 ng/ul

RT: 28.49 min Scan# 4324

Delta R.T. -0.02 min

Lab File: BG026316.D

Acq: 18 Mar 2017 13:38

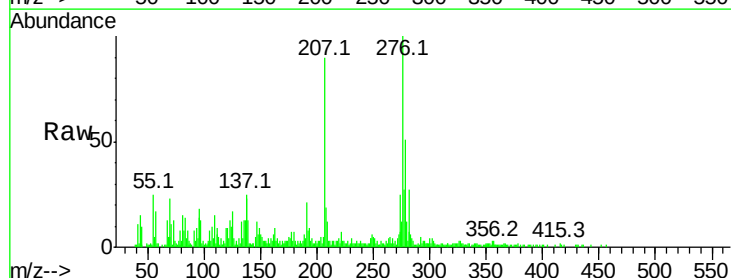
Tgt Ion:278 Resp: 34510

Ion Ratio Lower Upper

278 100

139 24.6 14.0 21.0#

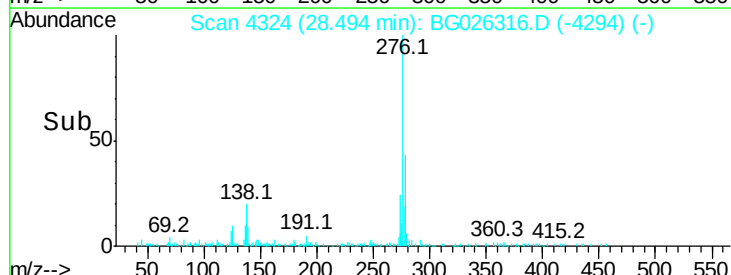
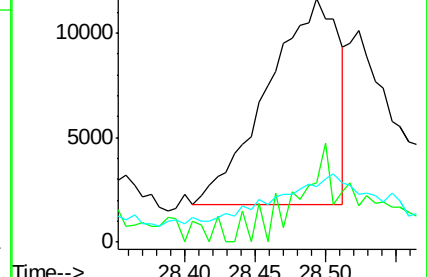
279 22.7 20.6 31.0

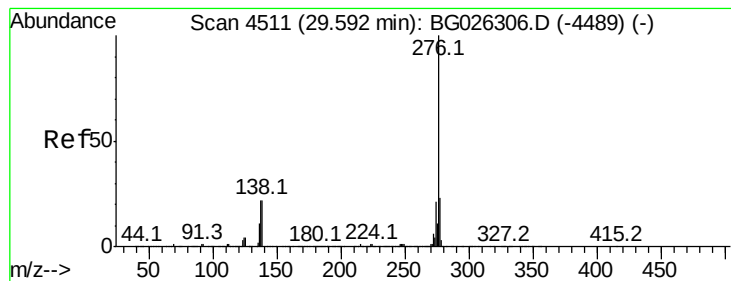


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#30

Benzo(a,h,i)perylene

Concen: 4.04 ng/ul

RT: 29.59 min Scan# 4511

Delta R.T. 0.00 min

Lab File: BG026316.D

Acq: 18 Mar 2017 13:38

Instrument :

BNA_G

ClientSampleId :

CB316

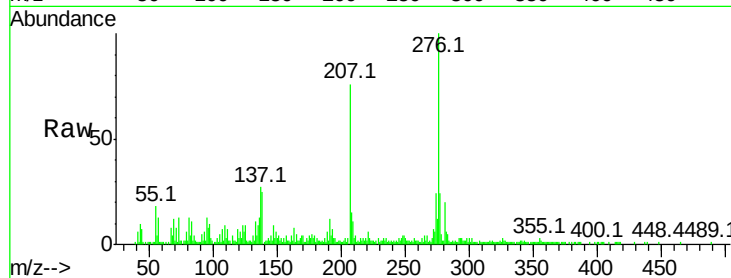
Tot Ion:276 Resp: 149491

Ion Ratio Lower Upper

276 100

138 24.9 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

