

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
 Data File : BG029125.D
 Acq On : 10 Oct 2017 2:38
 Operator : SJ/JU
 Sample : I5577-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DAH84

Quant Time: Oct 10 06:36:39 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 10 06:24:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	57882	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	248269	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	165985	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.57	188	379213	20.00	ng/ul	0.00
17) Chrysene-d12	21.85	240	393085	20.00	ng/ul	0.00
22) Perylene-d12	25.20	264	410780	20.00	ng/ul	0.02

System Monitoring Compounds

7) Acenaphthylene-d8	14.52	160	406922	23.57	ng/ul	0.00
10) Fluorene-d10	15.82	176	308646	24.65	ng/ul	0.00
14) Anthracene-d10	17.67	188	438043	23.85	ng/ul	0.00
18) Pyrene-d10	19.94	212	517162	25.72	ng/ul	0.01
25) Benzo(a)pyrene-d12	24.97	264	484664	24.63	ng/ul	0.02

Target Compounds

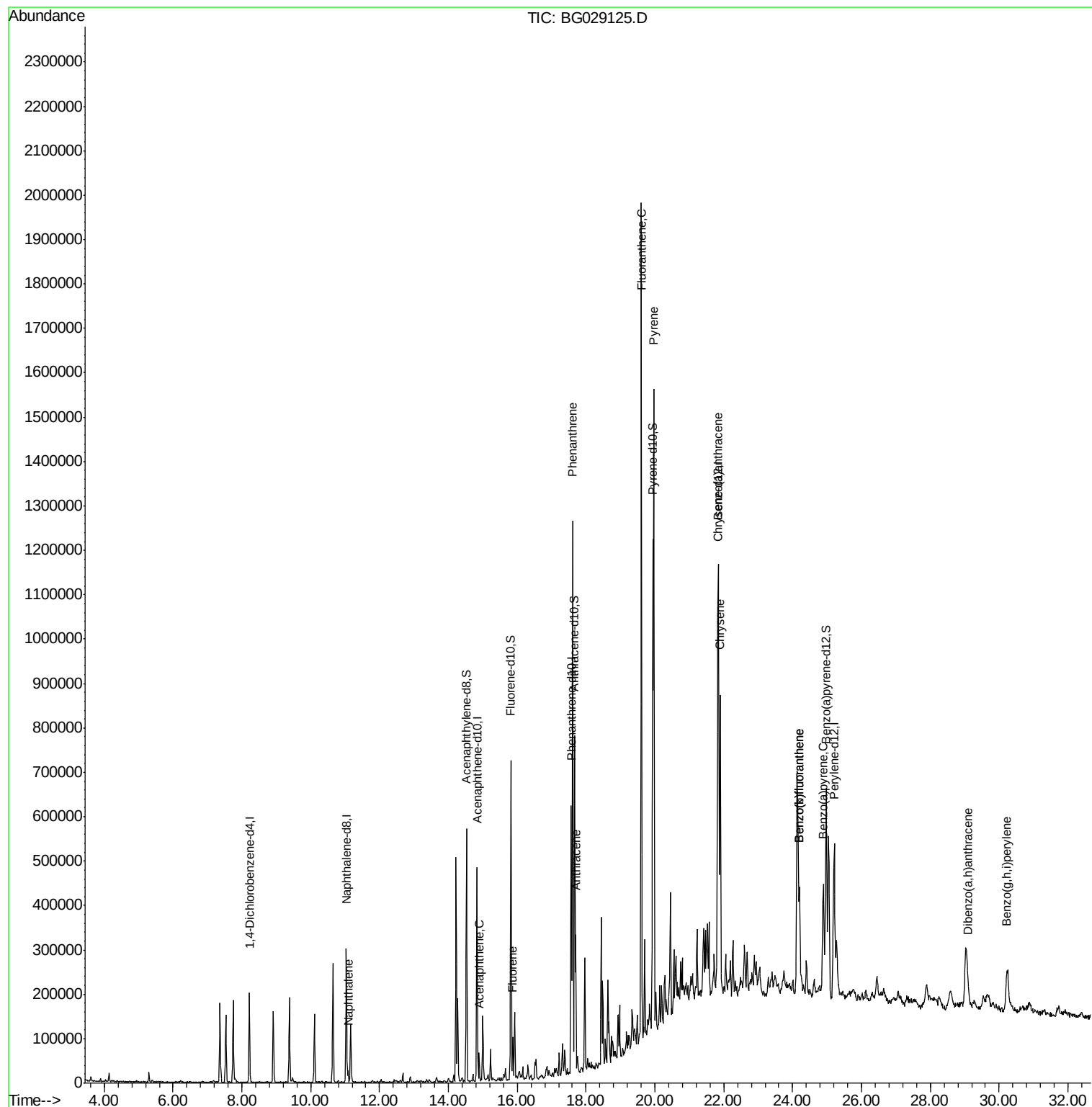
					Ovalue	
3) Naphthalene	11.09	128	20332	1.573	ng/ul	99
9) Acenaphthene	14.89	153	27945	2.471	ng/ul	94
11) Fluorene	15.87	166	41788	3.157	ng/ul	89
13) Phenanthrene	17.61	178	805958	39.846	ng/ul	96
15) Anthracene	17.70	178	207542	10.029	ng/ul	99
16) Fluoranthene	19.60	202	1214748	51.231	ng/ul#	90
19) Pyrene	19.97	202	940814	38.396	ng/ul#	92
20) Benzo(a)anthracene	21.83	228	520781	22.496	ng/ul	96
21) Chrysene	21.90	228	488096	23.026	ng/ul	97
23) Benzo(b)fluoranthene	24.20	252	232759	9.472	ng/ul	96
24) Benzo(k)fluoranthene	24.20	252	202347	8.437	ng/ul	96
26) Benzo(a)pyrene	24.89	252	258331	10.823	ng/ul	99
28) Dibenzo(a,h)anthracene	29.10	278	67194	2.996	ng/ul#	86
29) Benzo(a,h,i)perylene	30.23	276	246849	11.050	ng/ul#	91

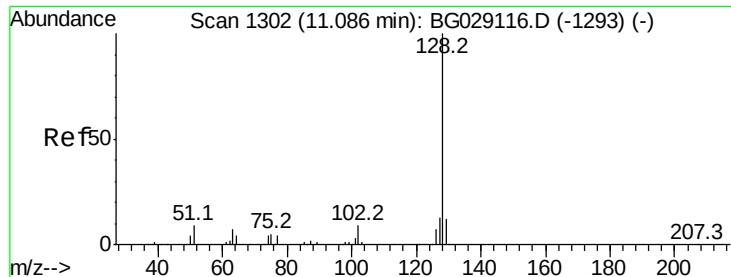
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.573 ng/ul

RT: 11.09 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BG029125.D

Acq: 10 Oct 2017 2:38

Instrument :

BNA_G

ClientSampleId :

DAH84

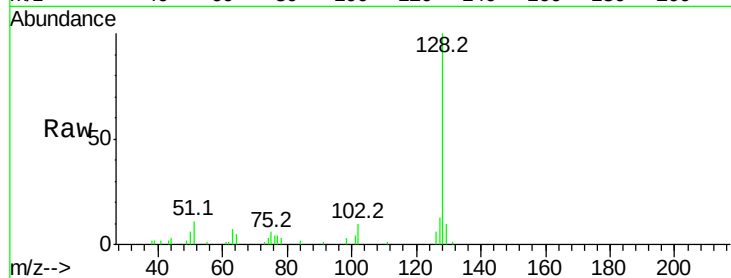
Tot Ion:128 Resp: 20332

Ion Ratio Lower Upper

128 100

129 10.4 8.7 13.1

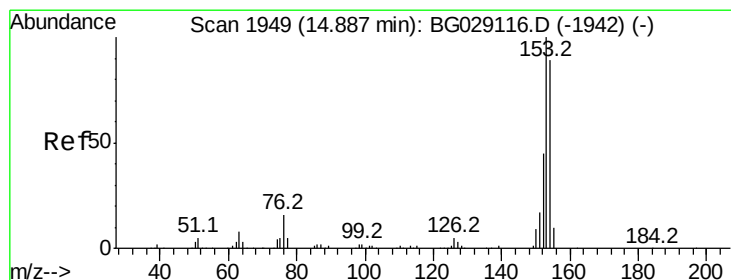
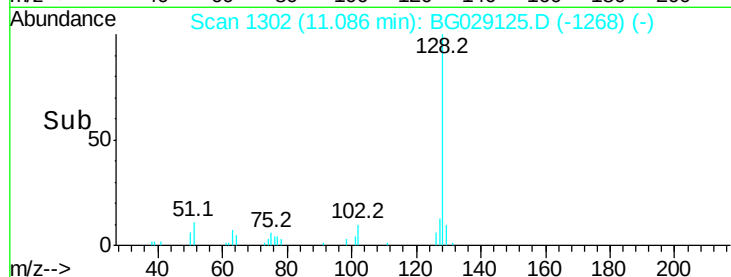
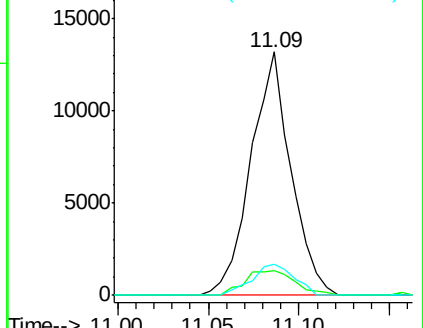
127 12.8 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#9

Acenaphthene

Concen: 2.471 ng/ul

RT: 14.89 min Scan# 1950

Delta R.T. 0.01 min

Lab File: BG029125.D

Acq: 10 Oct 2017 2:38

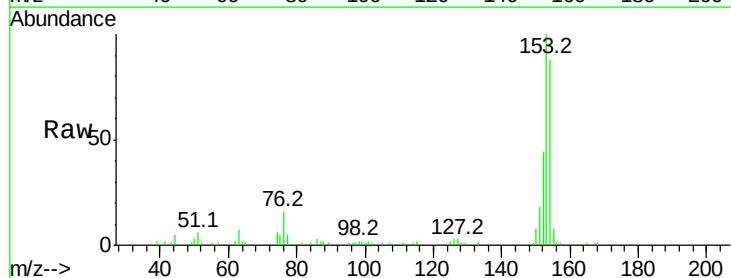
Tgt Ion:153 Resp: 27945

Ion Ratio Lower Upper

153 100

152 43.7 39.0 58.6

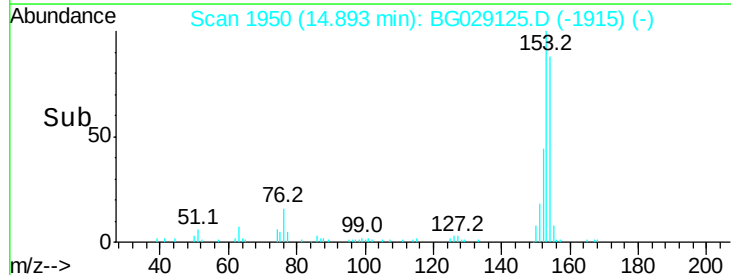
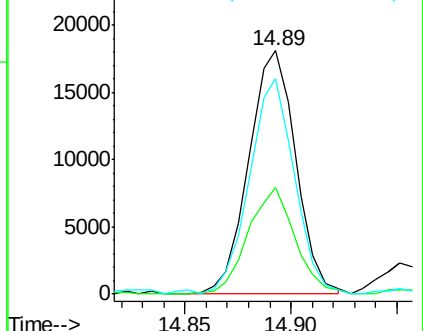
154 88.4 66.8 100.2

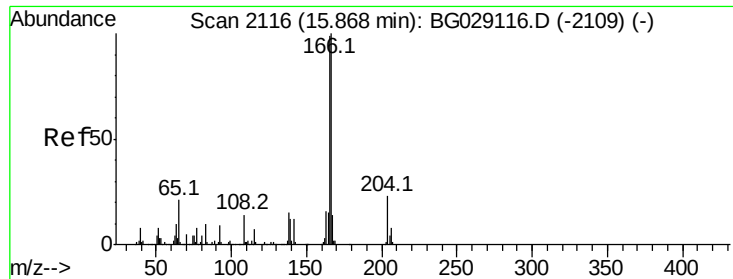


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

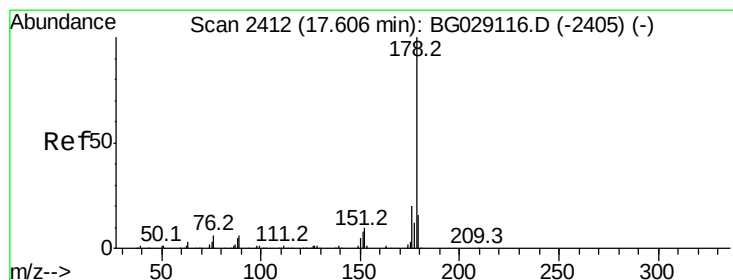
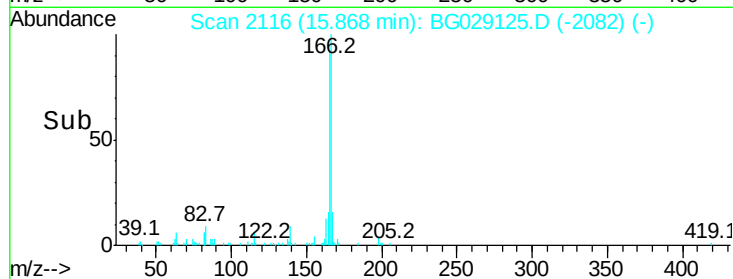
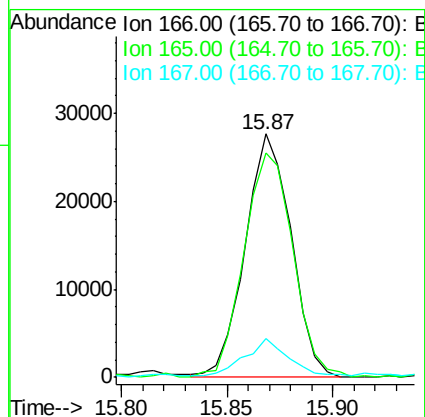
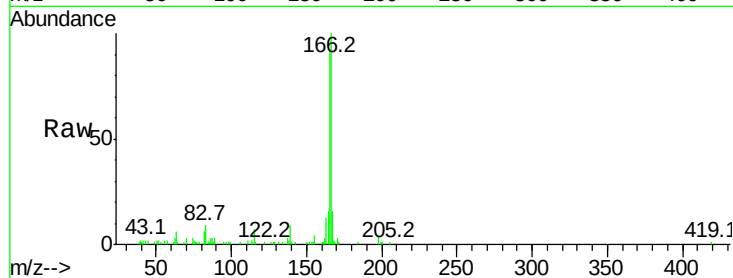




#11
 Fluorene
 Concen: 3.157 ng/ul
 RT: 15.87 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: BG029125.D
 Acq: 10 Oct 2017 2:38

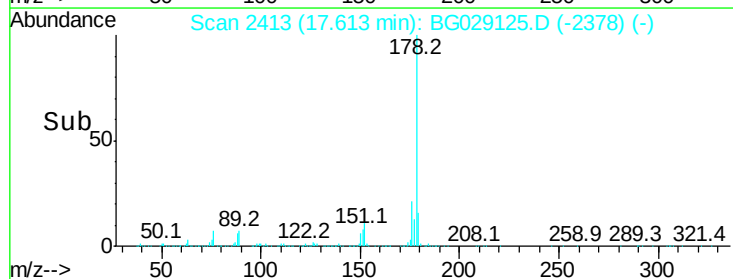
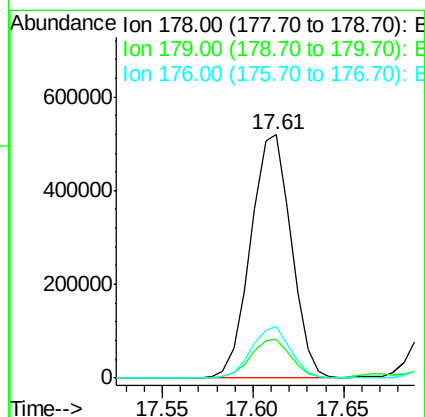
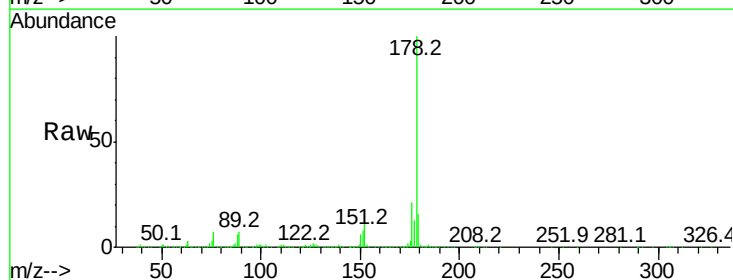
Instrument :
 BNA_G
 ClientSampleId :
 DAH84

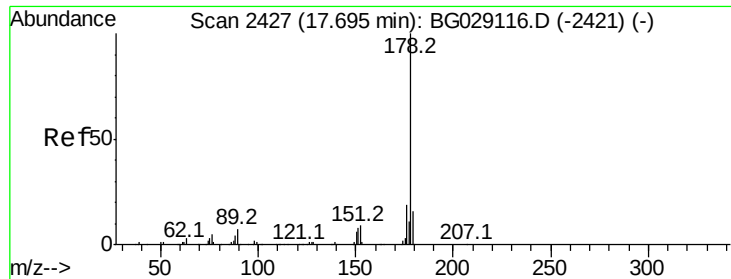
Tot Ion:166 Resp: 41788
 Ion Ratio Lower Upper
 166 100
 165 92.0 83.8 125.8
 167 15.7 11.5 17.3



#13
 Phenanthrene
 Concen: 39.846 ng/ul
 RT: 17.61 min Scan# 2413
 Delta R.T. 0.01 min
 Lab File: BG029125.D
 Acq: 10 Oct 2017 2:38

Tgt Ion:178 Resp: 805958
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.3 18.5
 176 21.4 15.1 22.7

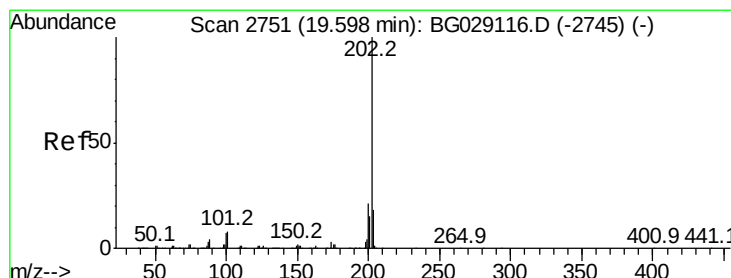
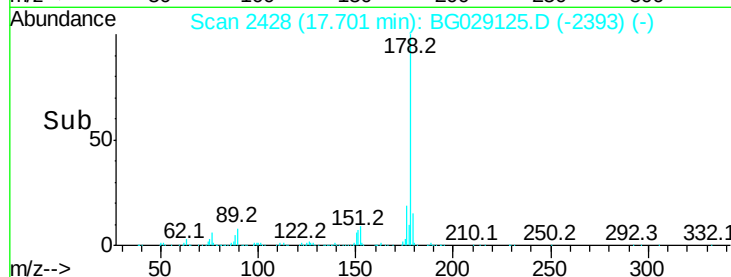
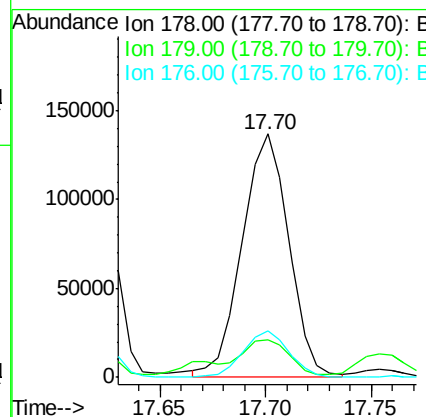
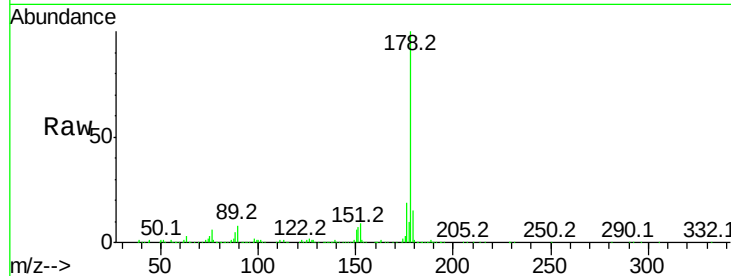




#15
 Anthracene
 Concen: 10.029 ng/ul
 RT: 17.70 min Scan# 2428
 Delta R.T. 0.01 min
 Lab File: BG029125.D
 Acq: 10 Oct 2017 2:38

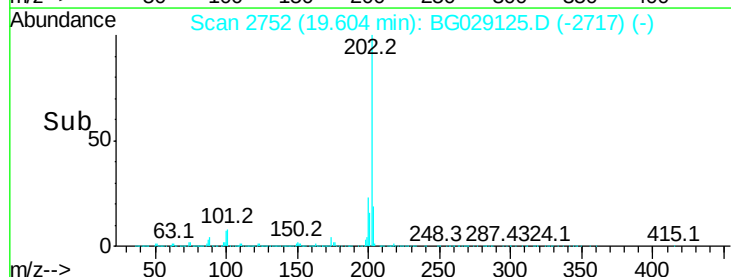
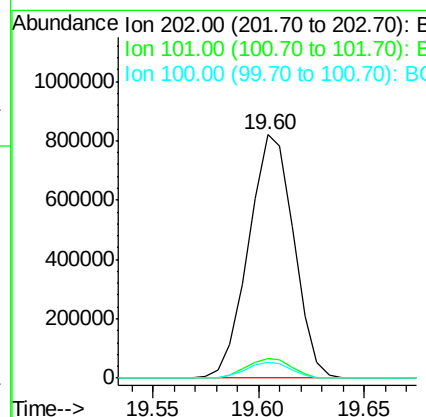
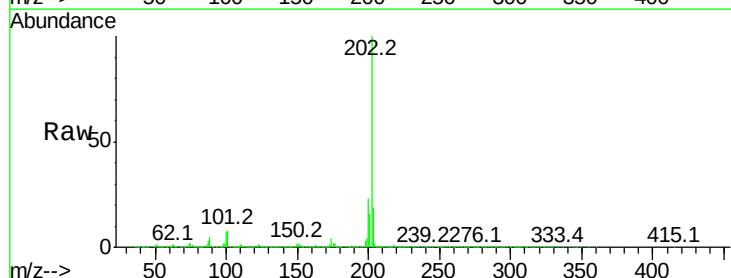
Instrument :
 BNA_G
 ClientSampleId :
 DAH84

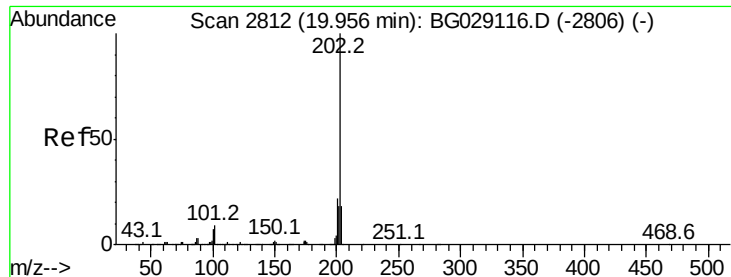
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.8	17.8
176	19.1	15.2	22.8



#16
 Fluoranthene
 Concen: 51.231 ng/ul
 RT: 19.60 min Scan# 2752
 Delta R.T. 0.01 min
 Lab File: BG029125.D
 Acq: 10 Oct 2017 2:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.8	9.9	14.9#
100	6.6	7.4	11.0#





#19

Pvrene

Concen: 38.396 ng/ul

RT: 19.97 min Scan# 2814

Delta R.T. 0.01 min

Lab File: BG029125.D

Acq: 10 Oct 2017 2:38

Instrument :

BNA_G

ClientSampleId :

DAH84

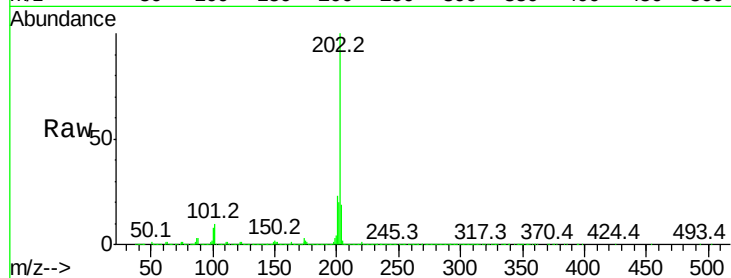
Tot Ion:202 Resp: 940814

Ion Ratio Lower Upper

202 100

101 9.6 11.0 16.4#

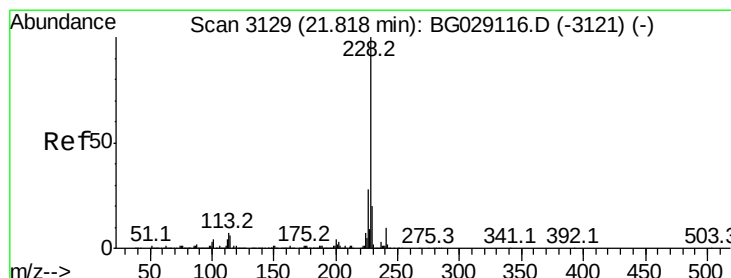
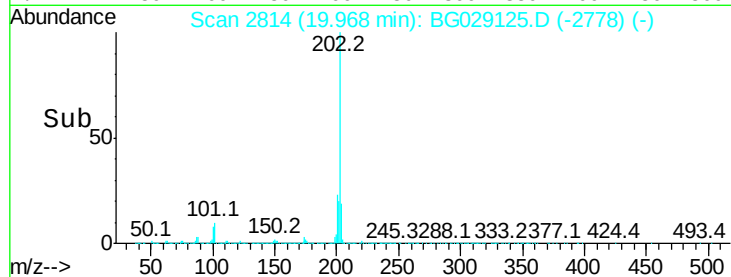
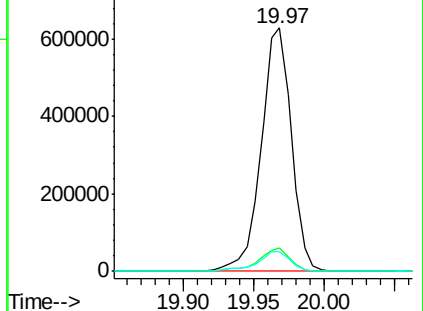
100 8.0 8.1 12.1#



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



#20

Benzo(a)anthracene

Concen: 22.496 ng/ul

RT: 21.83 min Scan# 3131

Delta R.T. 0.01 min

Lab File: BG029125.D

Acq: 10 Oct 2017 2:38

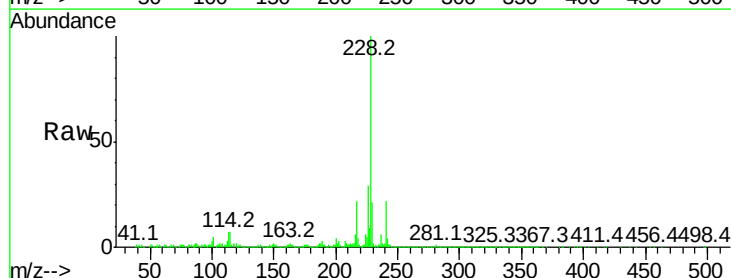
Tgt Ion:228 Resp: 520781

Ion Ratio Lower Upper

228 100

229 21.2 15.7 23.5

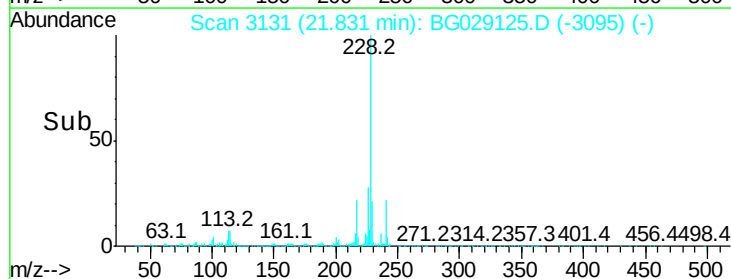
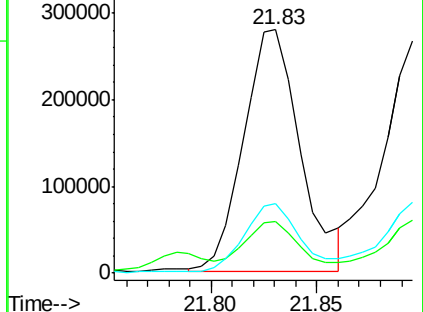
226 28.7 21.1 31.7

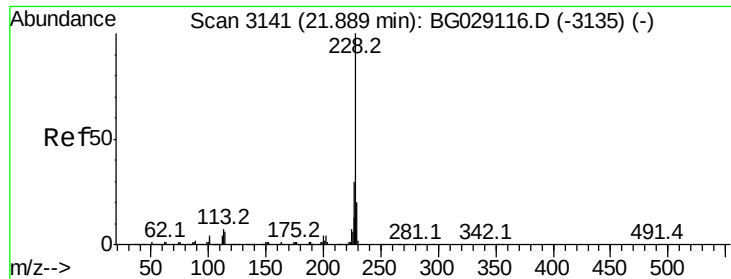


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 23.026 ng/ul

RT: 21.90 min Scan# 3142

Delta R.T. 0.01 min

Lab File: BG029125.D

Acq: 10 Oct 2017 2:38

Instrument :

BNA_G

ClientSampleId :

DAH84

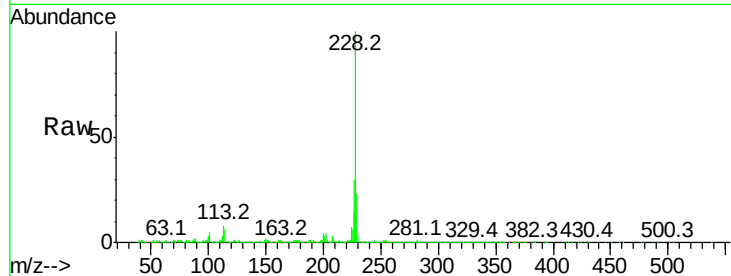
Tot Ion:228 Resp: 488096

Ion Ratio Lower Upper

228 100

226 30.5 24.5 36.7

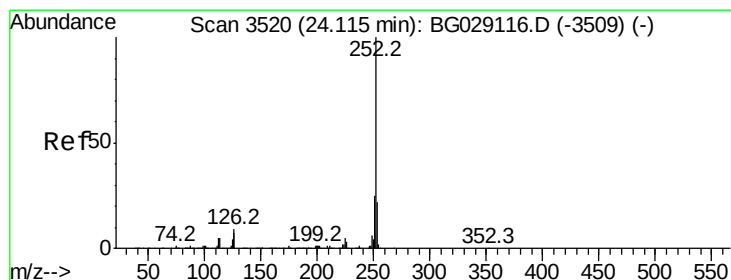
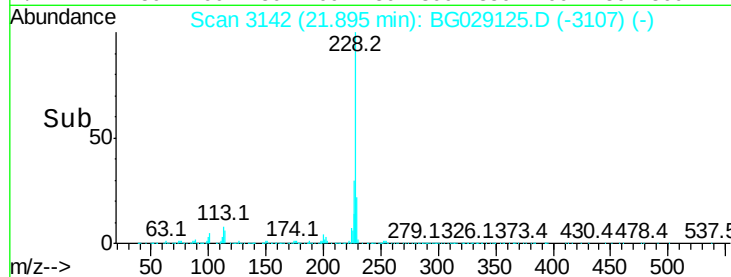
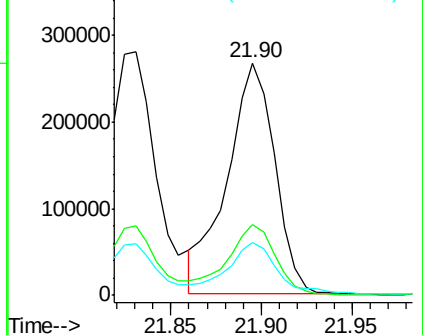
229 22.8 15.8 23.8



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



#23

Benzo(b)fluoranthene

Concen: 9.472 ng/ul

RT: 24.20 min Scan# 3534

Delta R.T. 0.08 min

Lab File: BG029125.D

Acq: 10 Oct 2017 2:38

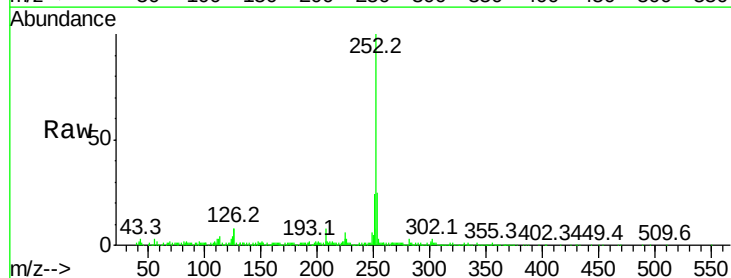
Tgt Ion:252 Resp: 232759

Ion Ratio Lower Upper

252 100

253 24.6 18.0 27.0

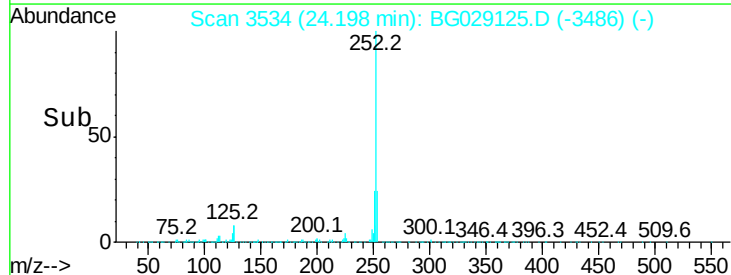
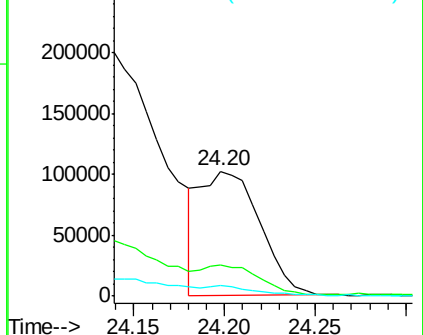
125 8.4 8.0 12.0

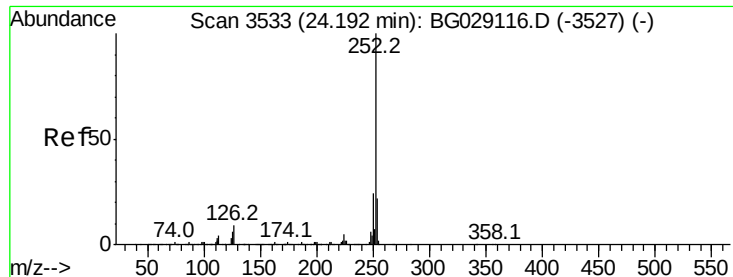


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 8.437 ng/ul

RT: 24.20 min Scan# 3534

Delta R.T. 0.01 min

Lab File: BG029125.D

Acq: 10 Oct 2017 2:38

Instrument :

BNA_G

ClientSampleId :

DAH84

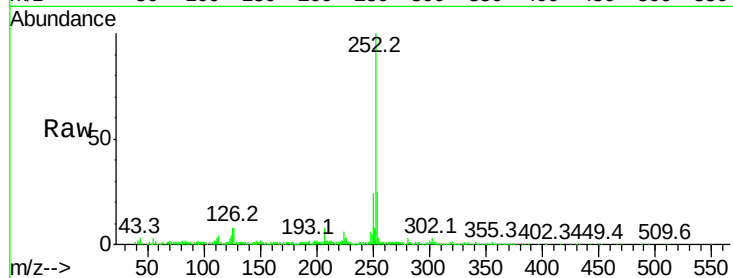
Tot Ion:252 Resp: 202347

Ion Ratio Lower Upper

252 100

253 24.6 18.0 27.0

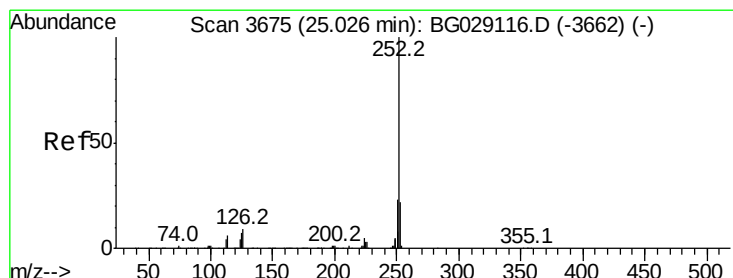
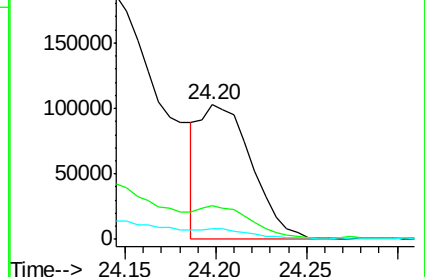
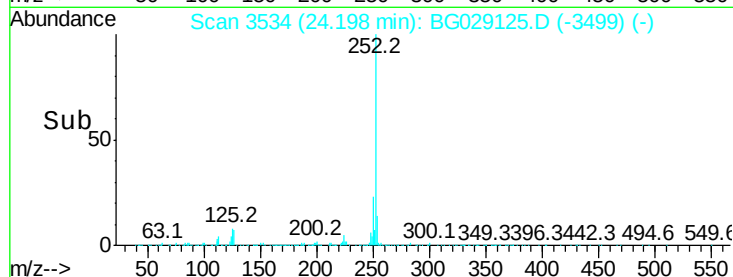
125 8.4 8.1 12.1



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



#26

Benzo(a)pyrene

Concen: 10.823 ng/ul

RT: 24.89 min Scan# 3652

Delta R.T. -0.13 min

Lab File: BG029125.D

Acq: 10 Oct 2017 2:38

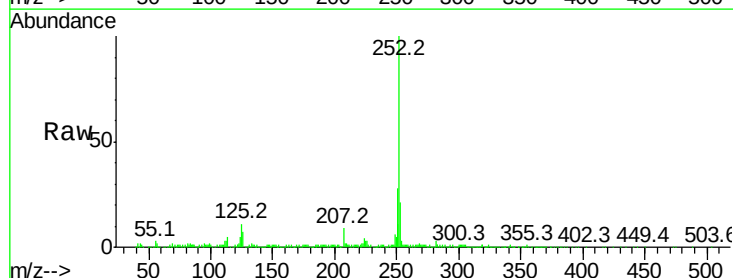
Tgt Ion:252 Resp: 258331

Ion Ratio Lower Upper

252 100

253 21.1 17.2 25.8

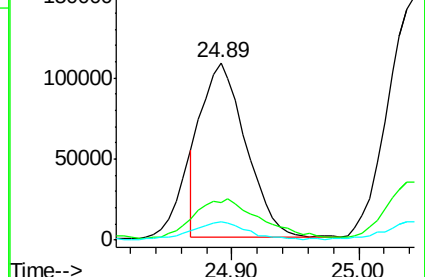
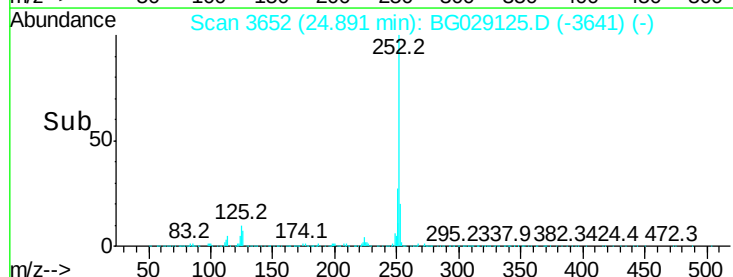
125 10.7 8.2 12.4

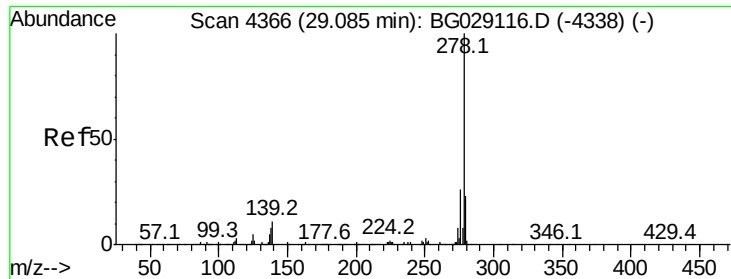


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

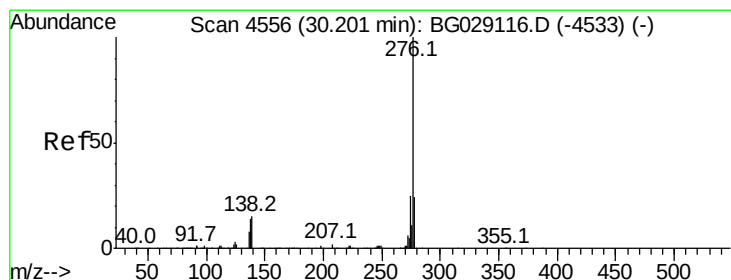
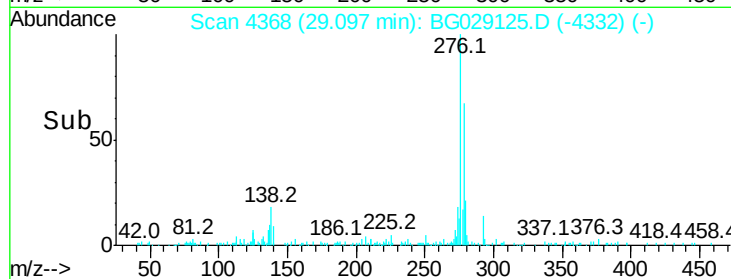
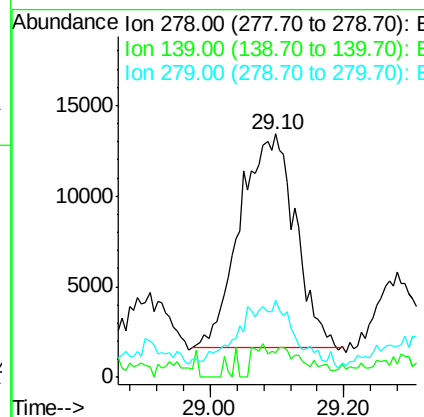
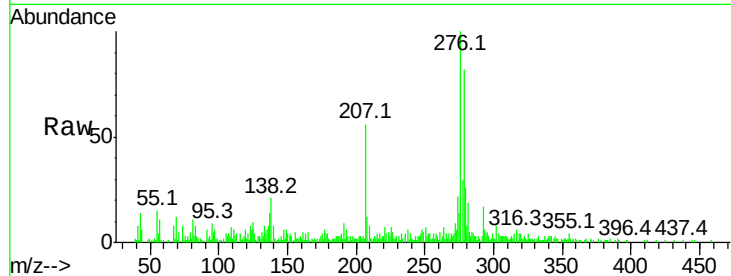




#28
Dibenzo(a,h)anthracene
Concen: 2.996 ng/ul
RT: 29.10 min Scan# 4368
Delta R.T. 0.01 min
Lab File: BG029125.D
Acq: 10 Oct 2017 2:38

Instrument :
BNA_G
ClientSampleId :
DAH84

Tot Ion	Ratio	Lower	Upper
278	100		
139	10.1	12.2	18.4#
279	31.6	19.2	28.8#



#29
Benzo(g,h,i)perylene
Concen: 11.050 ng/ul
RT: 30.23 min Scan# 4561
Delta R.T. 0.03 min
Lab File: BG029125.D
Acq: 10 Oct 2017 2:38

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.4	15.3	22.9#
277	19.9	19.0	28.4

