

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
 Data File : BM012921.D
 Acq On : 12 Nov 2017 02:30
 Operator : SJ/JU
 Sample : I6317-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 13 02:11:33 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 13 02:06:47 2017
 Response via : Initial Calibration

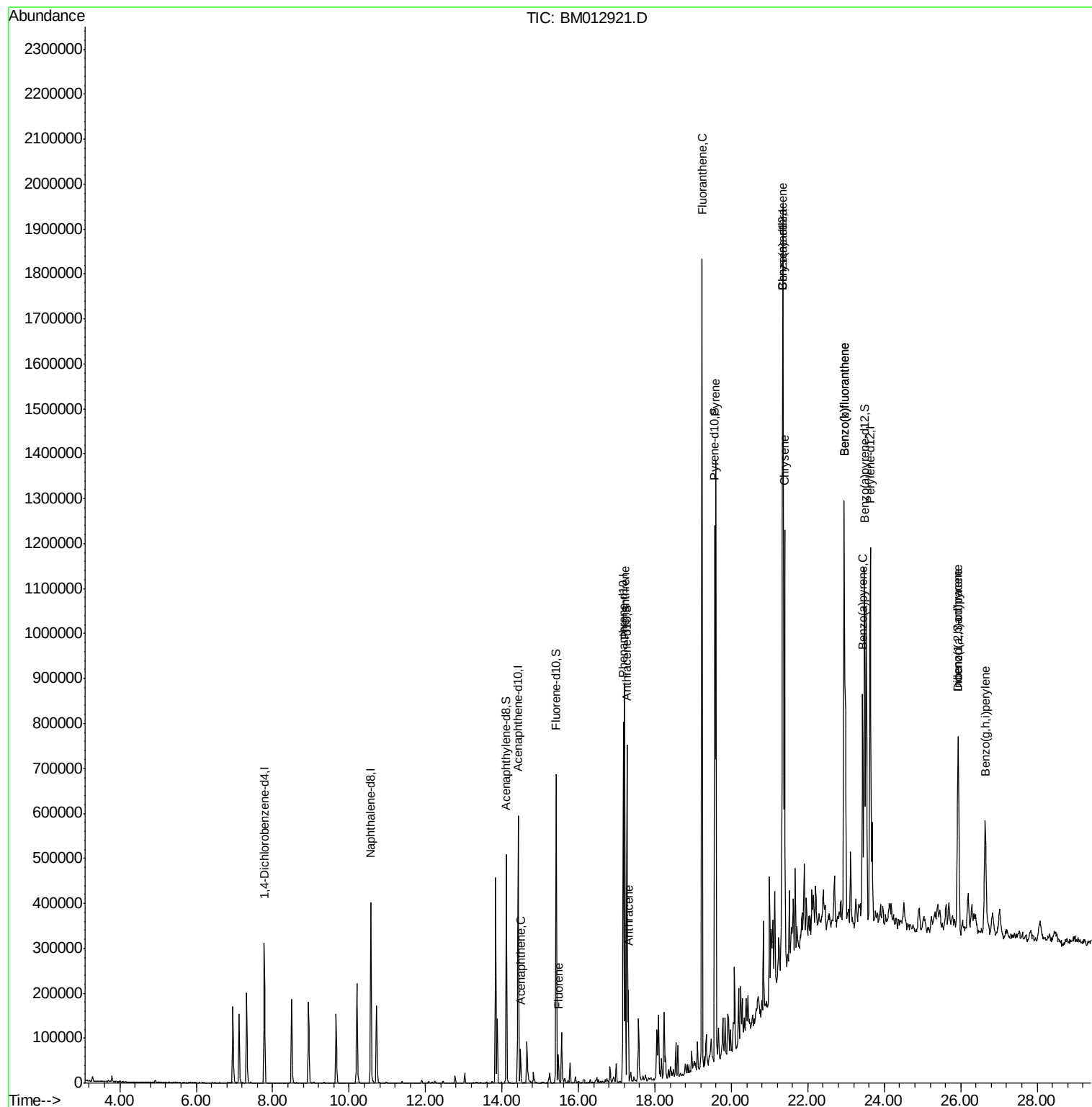
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	90050	20.00	ng/ul	0.00
2) Naphthalene-d8	10.57	136	339148	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.42	164	197568	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.17	188	464116	20.00	ng/ul	0.00
17) Chrysene-d12	21.36	240	555045	20.00	ng/ul	0.00
22) Perylene-d12	23.63	264	631328	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.12	160	377724	18.38	ng/ul	0.00
10) Fluorene-d10	15.42	176	275576	19.61	ng/ul	0.00
14) Anthracene-d10	17.27	188	419509	18.70	ng/ul	0.00
18) Pyrene-d10	19.56	212	467766	18.84	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.49	264	563650	18.91	ng/ul	0.00
Target Compounds						
9) Acenaphthene	14.49	153	31315	2.34	ng/ul	Ovalue 95
11) Fluorene	15.47	166	28792	1.80	ng/ul	95
13) Phenanthrene	17.21	178	551568	21.52	ng/ul	99
15) Anthracene	17.30	178	124035	4.66	ng/ul	97
16) Fluoranthene	19.23	202	1138837	36.11	ng/ul#	91
19) Pyrene	19.59	202	841778	26.42	ng/ul#	93
20) Benzo(a)anthracene	21.34	228	563371	16.50	ng/ul	98
21) Chrysene	21.39	228	555660	18.21	ng/ul	96
23) Benzo(b)fluoranthene	22.94	252	901423	24.01	ng/ul#	98
24) Benzo(k)fluoranthene	22.94	252	901423	25.12	ng/ul#	98
26) Benzo(a)pyrene	23.43	252	375113	10.30	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	25.93	276	423482	9.02	ng/ul	95
28) Dibenzo(a,h)anthracene	25.93	278	125929	3.19	ng/ul	95
29) Benzo(a,h,i)perylene	26.64	276	319663	8.15	ng/ul	96

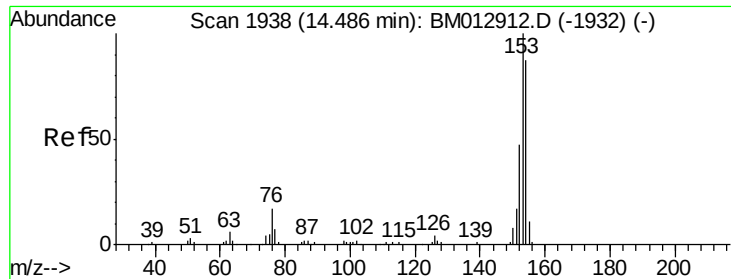
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Acenaphthene

Concen: 2.34 ng/ul

RT: 14.49 min Scan# 1938

Delta R.T. -0.00 min

Lab File: BM012921.D

Acq: 12 Nov 2017 02:30

Instrument :

BNA_M

ClientSampleId :

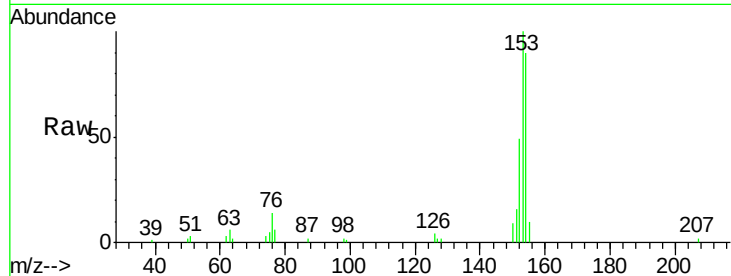
Tot Ion:153 Resp: 31315

Ion Ratio Lower Upper

153 100

152 48.7 39.0 58.6

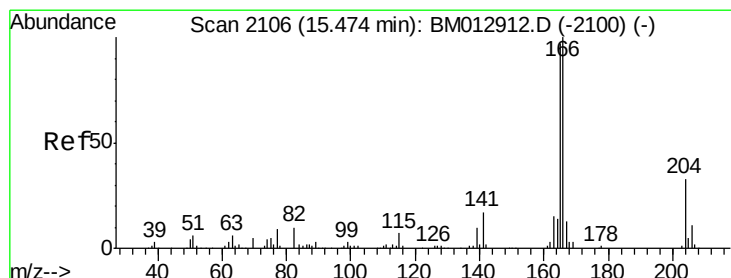
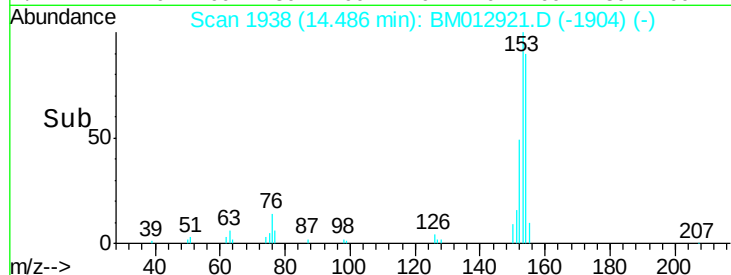
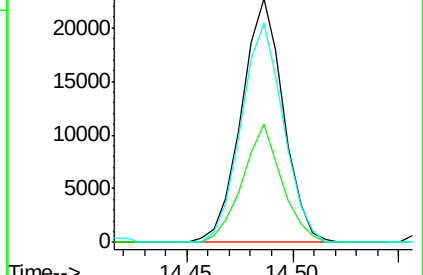
154 90.2 66.8 100.2



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: 1.80 ng/ul

RT: 15.47 min Scan# 2106

Delta R.T. -0.00 min

Lab File: BM012921.D

Acq: 12 Nov 2017 02:30

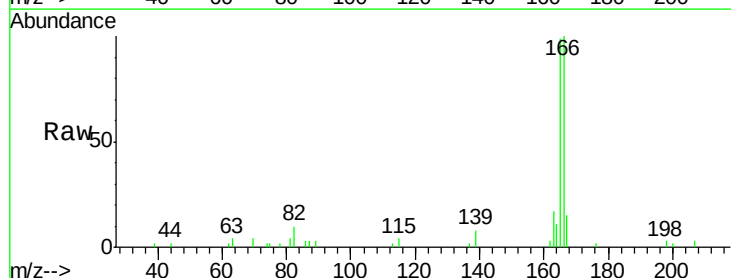
Tgt Ion:166 Resp: 28792

Ion Ratio Lower Upper

166 100

165 99.3 83.8 125.8

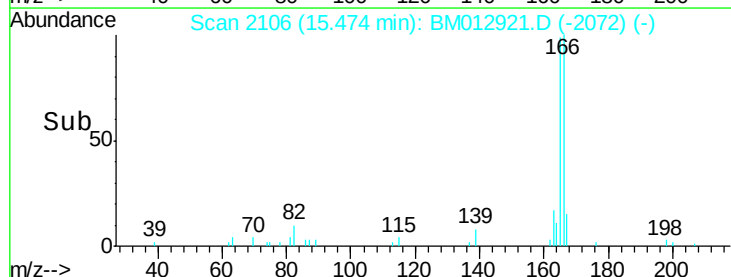
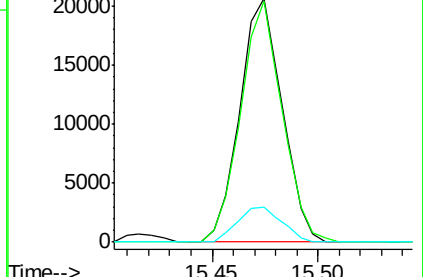
167 14.6 11.5 17.3

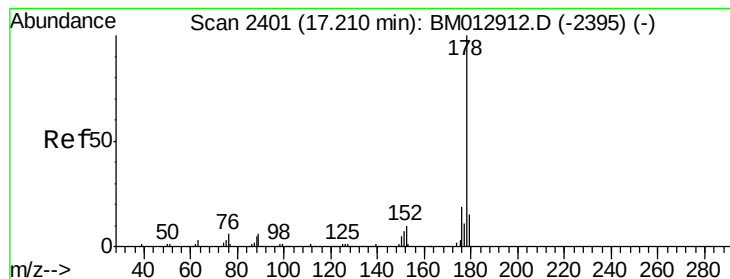


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 21.52 ng/ul

RT: 17.21 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BM012921.D

Acq: 12 Nov 2017 02:30

Instrument :

BNA_M

ClientSampleId :

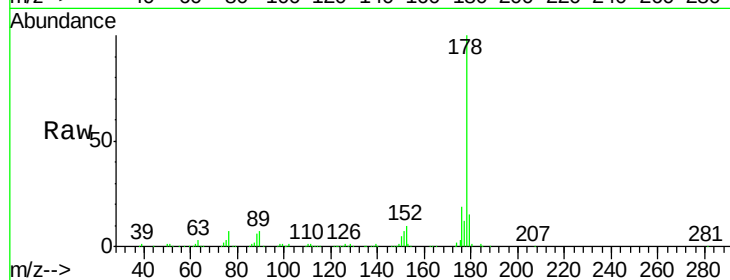
Tot Ion:178 Resp: 551568

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

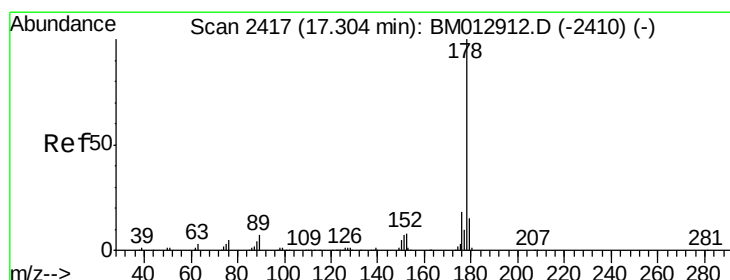
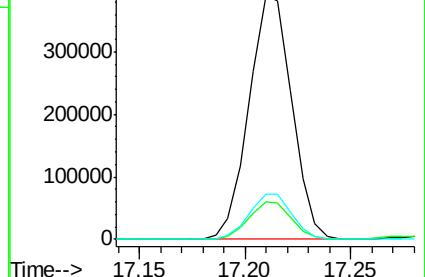
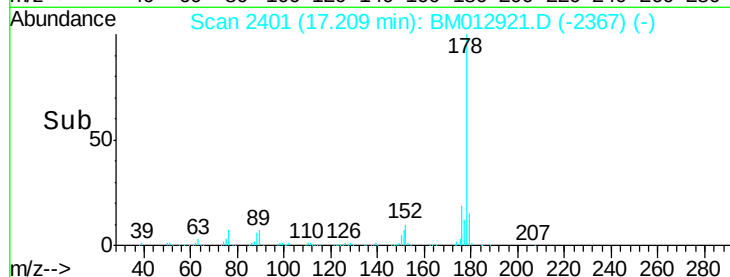
176 18.6 15.1 22.7



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



#15

Anthracene

Concen: 4.66 ng/ul

RT: 17.30 min Scan# 2417

Delta R.T. -0.00 min

Lab File: BM012921.D

Acq: 12 Nov 2017 02:30

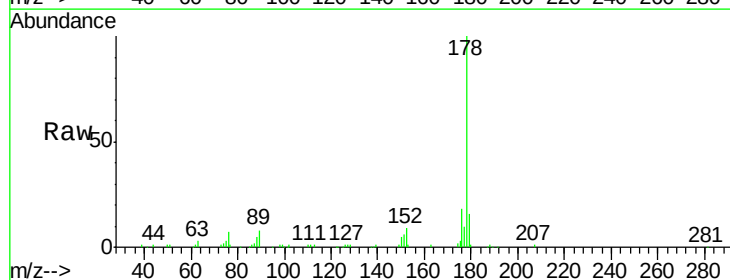
Tgt Ion:178 Resp: 124035

Ion Ratio Lower Upper

178 100

179 15.6 11.8 17.8

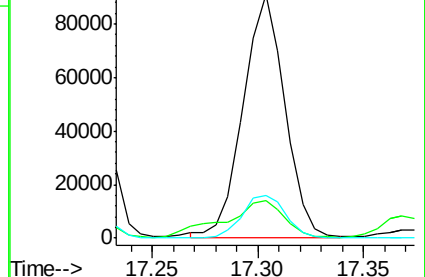
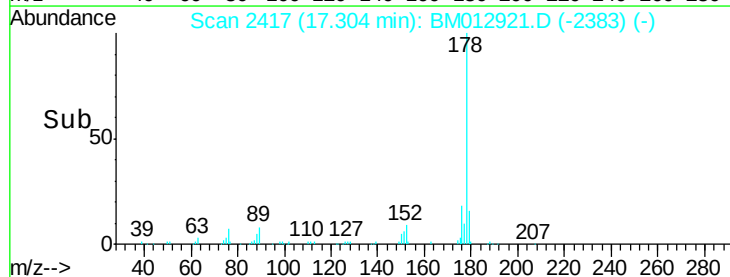
176 17.6 15.2 22.8

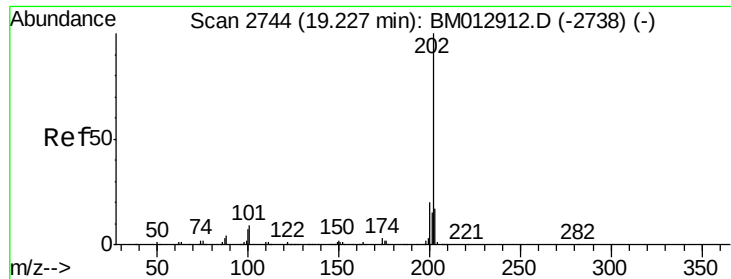


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

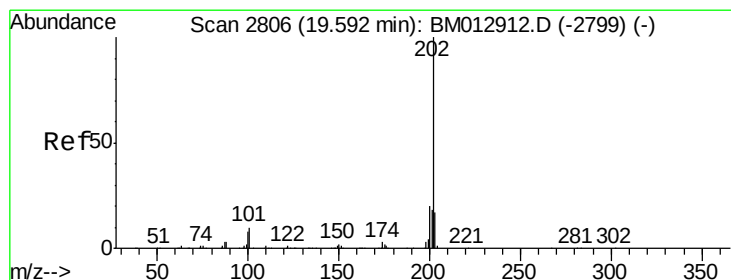
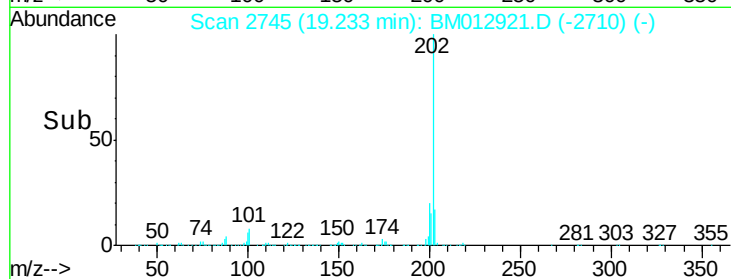
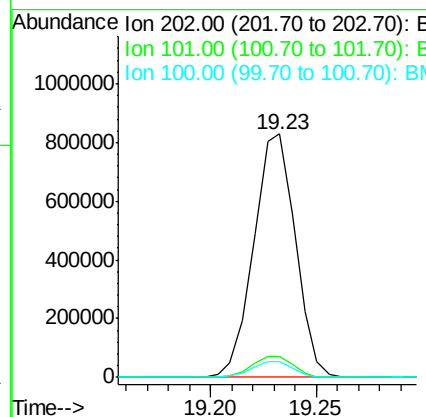
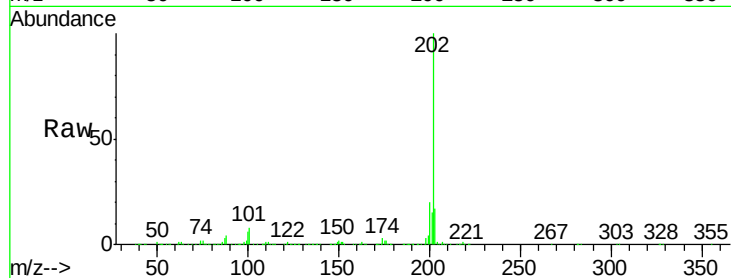




#16
 Fluoranthene
 Concen: 36.11 ng/ul
 RT: 19.23 min Scan# 2745
 Delta R.T. 0.01 min
 Lab File: BM012921.D
 Acq: 12 Nov 2017 02:30

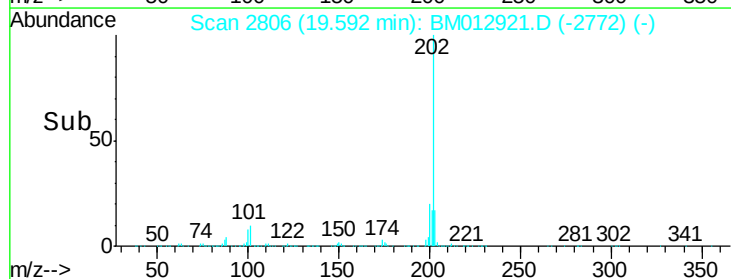
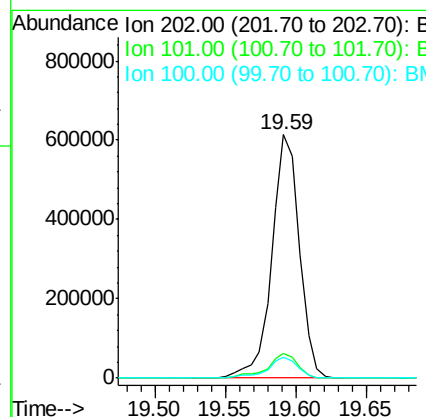
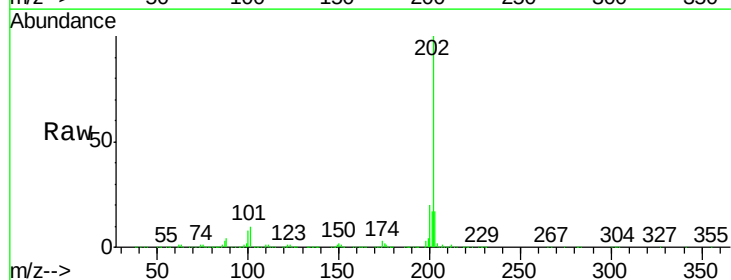
Instrument :
 BNA_M
 ClientSampleId :

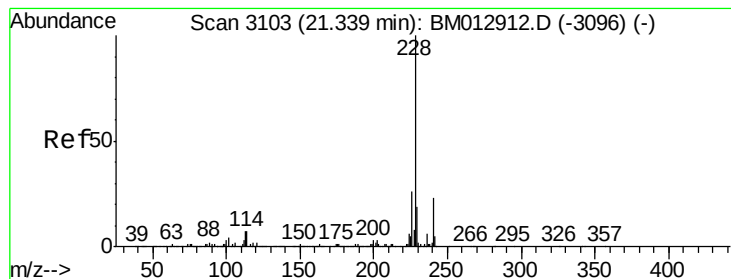
Tot Ion:202 Resp: 1138837
 Ion Ratio Lower Upper
 202 100
 101 8.4 9.9 14.9#
 100 6.4 7.4 11.0#



#19
 Pyrene
 Concen: 26.42 ng/ul
 RT: 19.59 min Scan# 2806
 Delta R.T. -0.00 min
 Lab File: BM012921.D
 Acq: 12 Nov 2017 02:30

Tgt Ion:202 Resp: 841778
 Ion Ratio Lower Upper
 202 100
 101 10.0 11.0 16.4#
 100 8.4 8.1 12.1





#20

Benzo(a)anthracene

Concen: 16.50 ng/ul

RT: 21.34 min Scan# 3103

Delta R.T. -0.00 min

Lab File: BM012921.D

Acq: 12 Nov 2017 02:30

Instrument :

BNA_M

ClientSampleId :

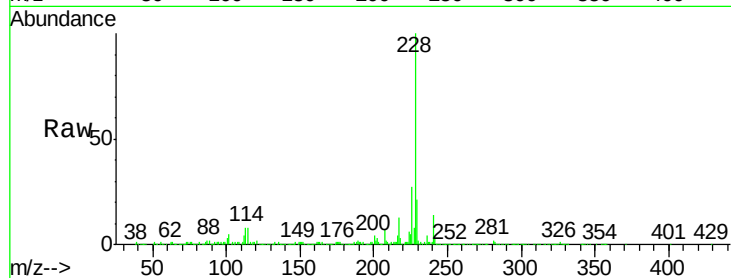
Tot Ion:228 Resp: 563371

Ion Ratio Lower Upper

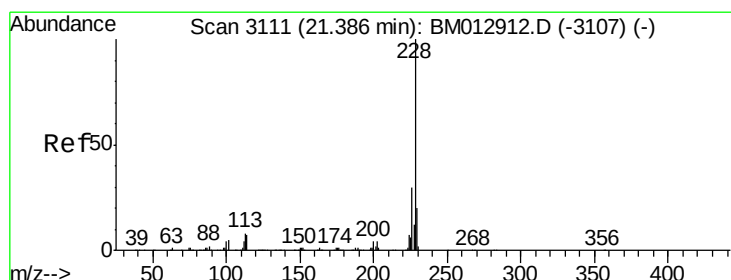
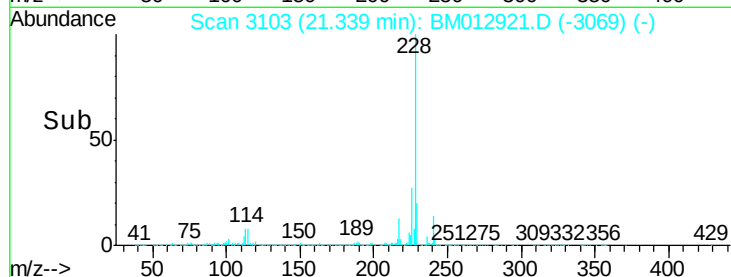
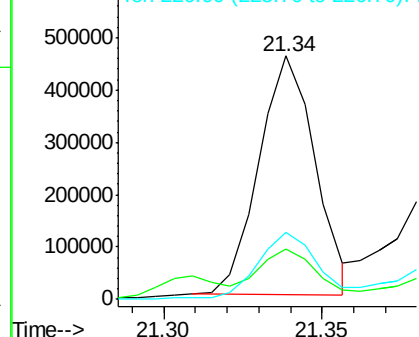
228 100

229 20.5 15.7 23.5

226 27.4 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: 18.21 ng/ul

RT: 21.39 min Scan# 3112

Delta R.T. 0.01 min

Lab File: BM012921.D

Acq: 12 Nov 2017 02:30

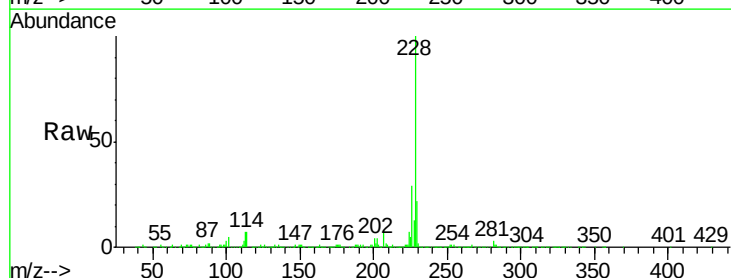
Tgt Ion:228 Resp: 555660

Ion Ratio Lower Upper

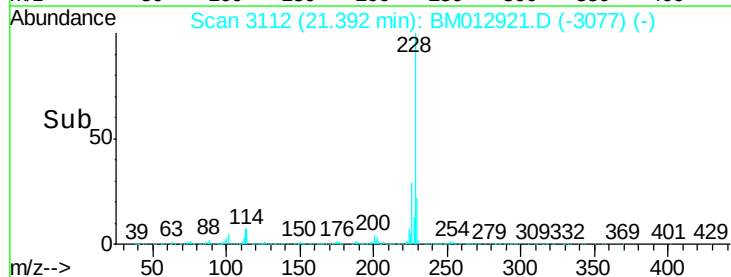
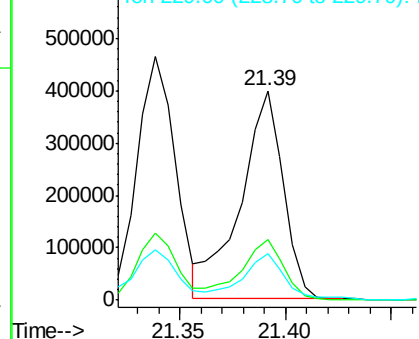
228 100

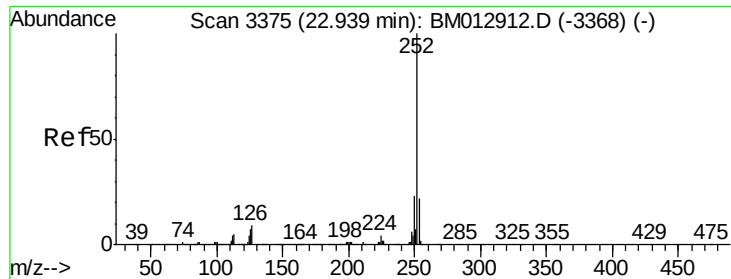
226 28.8 24.5 36.7

229 22.1 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

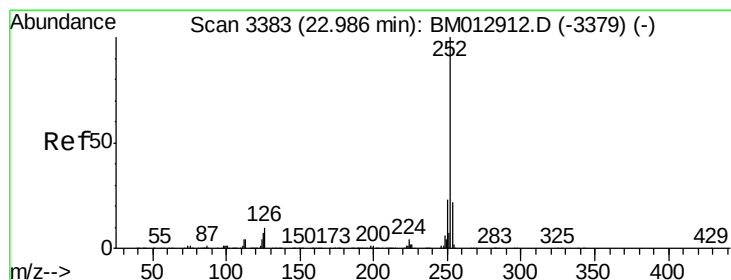
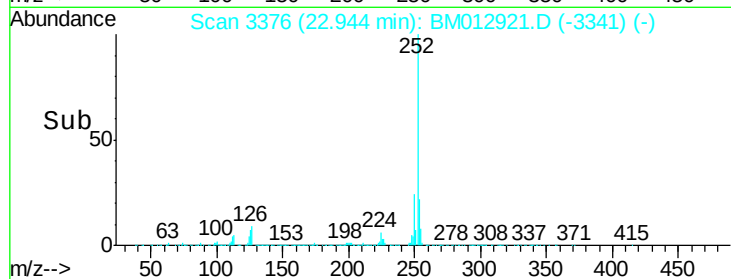
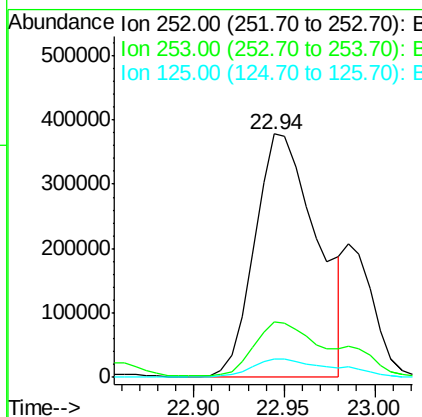
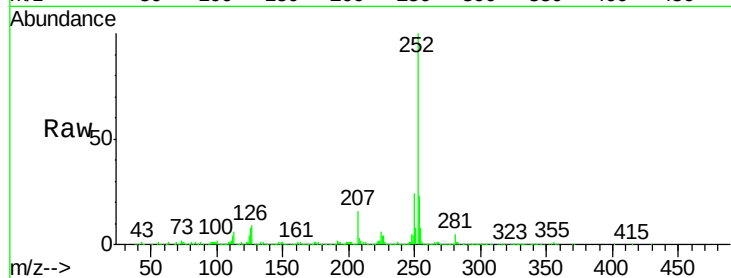




#23
Benzo(b)fluoranthene
Concen: 24.01 ng/ul
RT: 22.94 min Scan# 3376
Delta R.T. 0.01 min
Lab File: BM012921.D
Acq: 12 Nov 2017 02:30

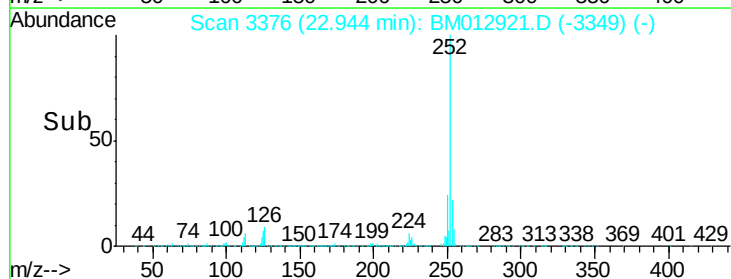
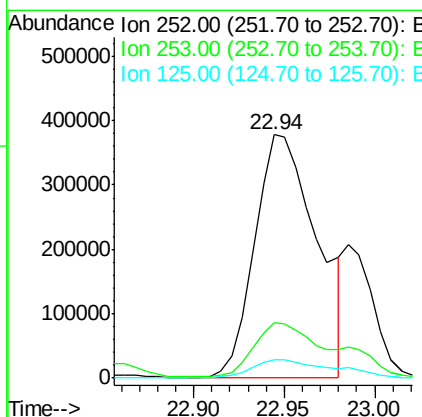
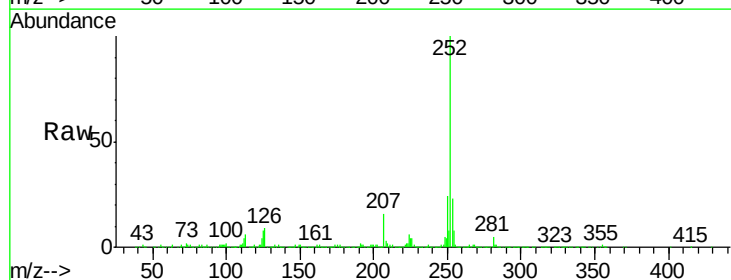
Instrument :
BNA_M
ClientSampleId :

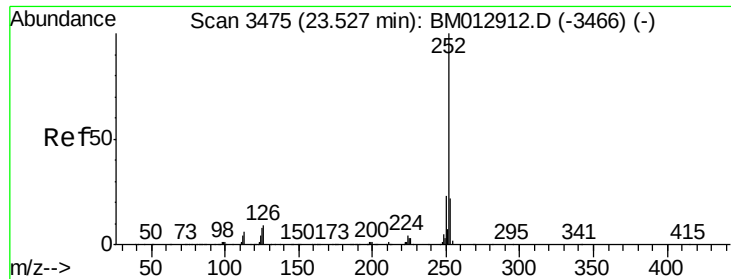
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	7.6	8.0	12.0#



#24
Benzo(k)fluoranthene
Concen: 25.12 ng/ul
RT: 22.94 min Scan# 3376
Delta R.T. -0.04 min
Lab File: BM012921.D
Acq: 12 Nov 2017 02:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	7.6	8.1	12.1#

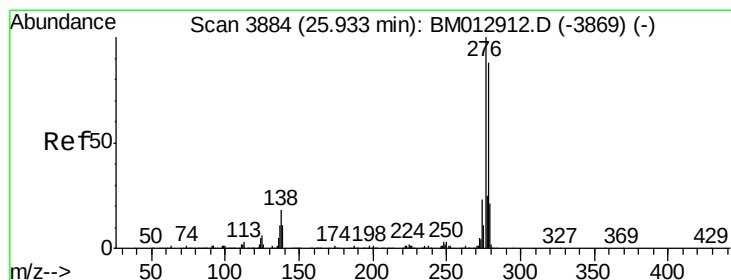
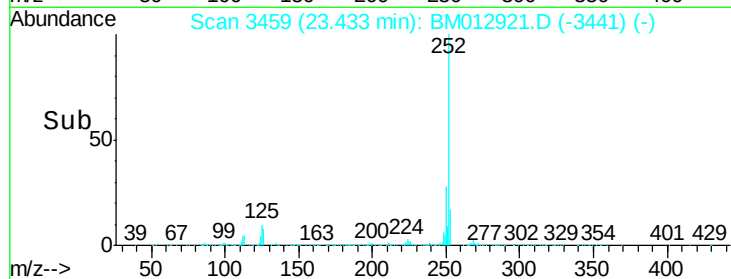
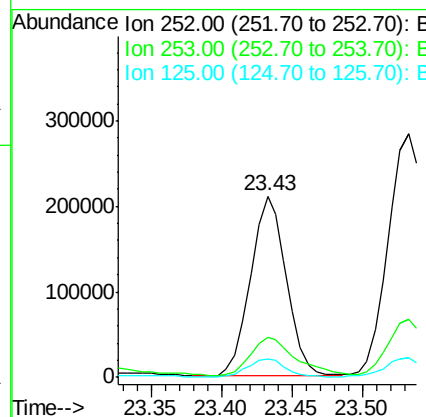
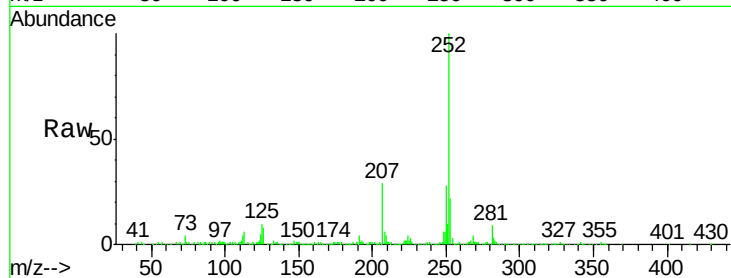




#26
Benzo(a)pyrene
Concen: 10.30 ng/ul
RT: 23.43 min Scan# 3459
Delta R.T. -0.09 min
Lab File: BM012921.D
Acq: 12 Nov 2017 02:30

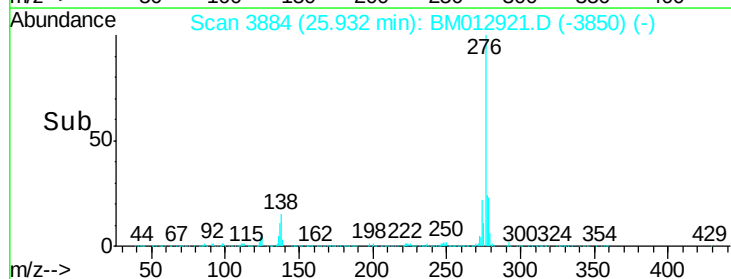
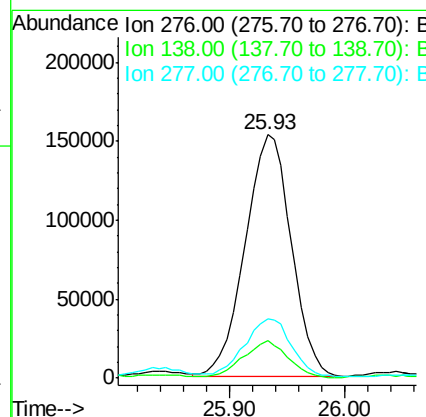
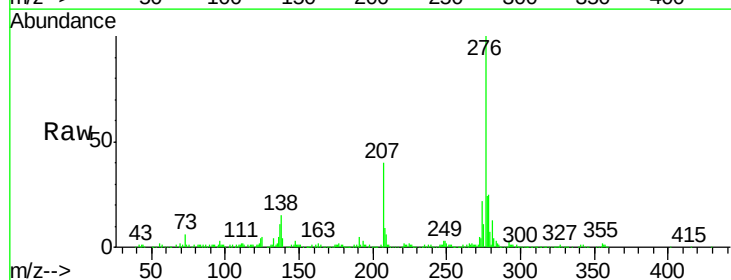
Instrument :
BNA_M
ClientSampleId :

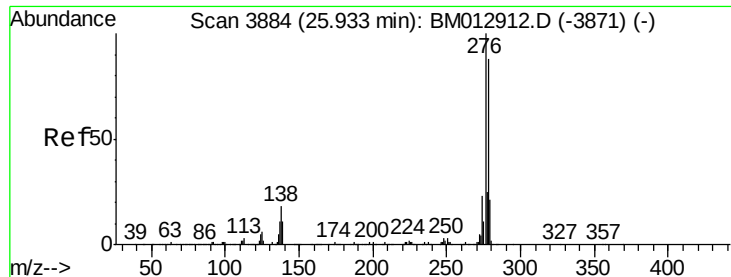
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	10.0	8.2	12.4



#27
Indeno(1,2,3-cd)pyrene
Concen: 9.02 ng/ul
RT: 25.93 min Scan# 3884
Delta R.T. -0.00 min
Lab File: BM012921.D
Acq: 12 Nov 2017 02:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.3	14.4	21.6
277	24.2	18.0	27.0





#28

Dibenzo(a,h)anthracene

Concen: 3.19 ng/ul

RT: 25.93 min Scan# 3884

Delta R.T. -0.00 min

Lab File: BM012921.D

Acq: 12 Nov 2017 02:30

Instrument :

BNA_M

ClientSampleId :

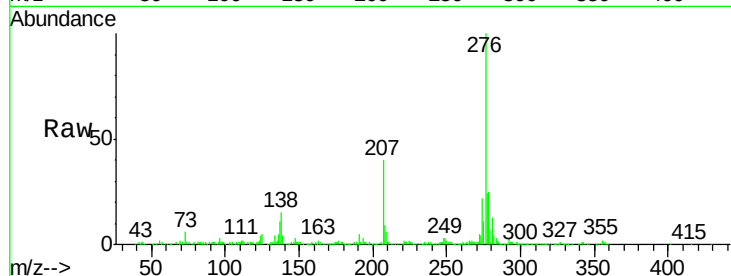
Tot Ion:278 Resp: 125929

Ion Ratio Lower Upper

278 100

139 14.4 12.2 18.4

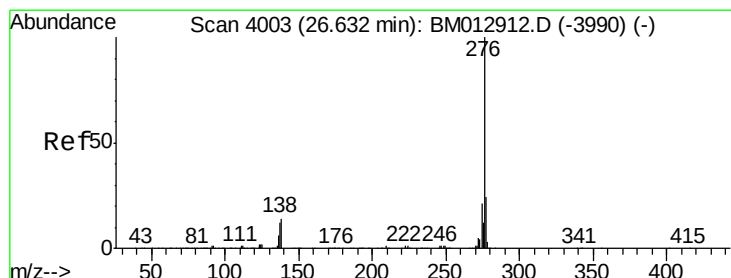
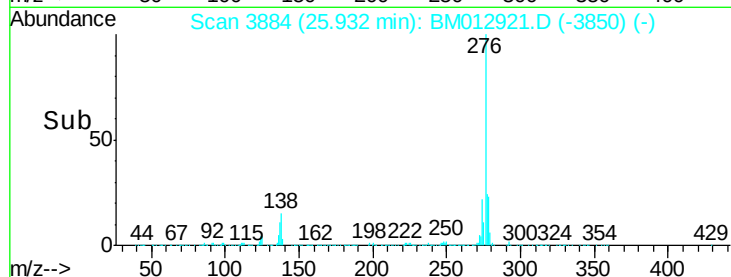
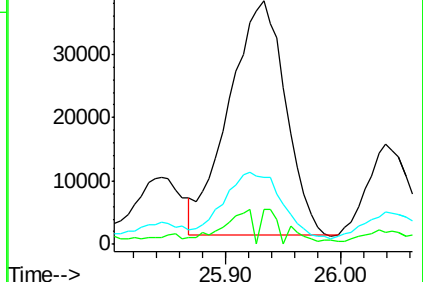
279 27.6 19.2 28.8



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



#29

Benzo(g,h,i)perylene

Concen: 8.15 ng/ul

RT: 26.64 min Scan# 4005

Delta R.T. 0.01 min

Lab File: BM012921.D

Acq: 12 Nov 2017 02:30

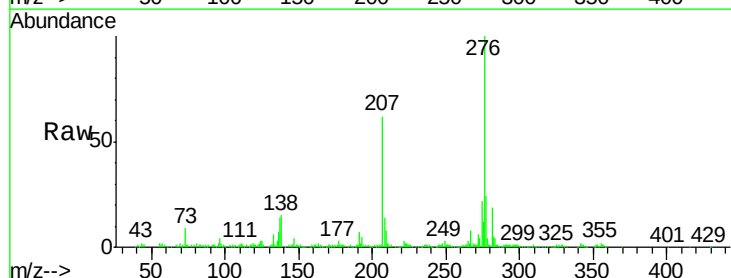
Tgt Ion:276 Resp: 319663

Ion Ratio Lower Upper

276 100

138 15.4 15.3 22.9

277 24.4 19.0 28.4



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

