

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031717\
 Data File : BM009281.D
 Acq On : 17 Mar 2017 19:25
 Operator : SJ/MA
 Sample : I2285-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB319

Quant Time: Mar 18 00:41:02 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031717-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 18 00:39:50 2017
 Response via : Initial Calibration

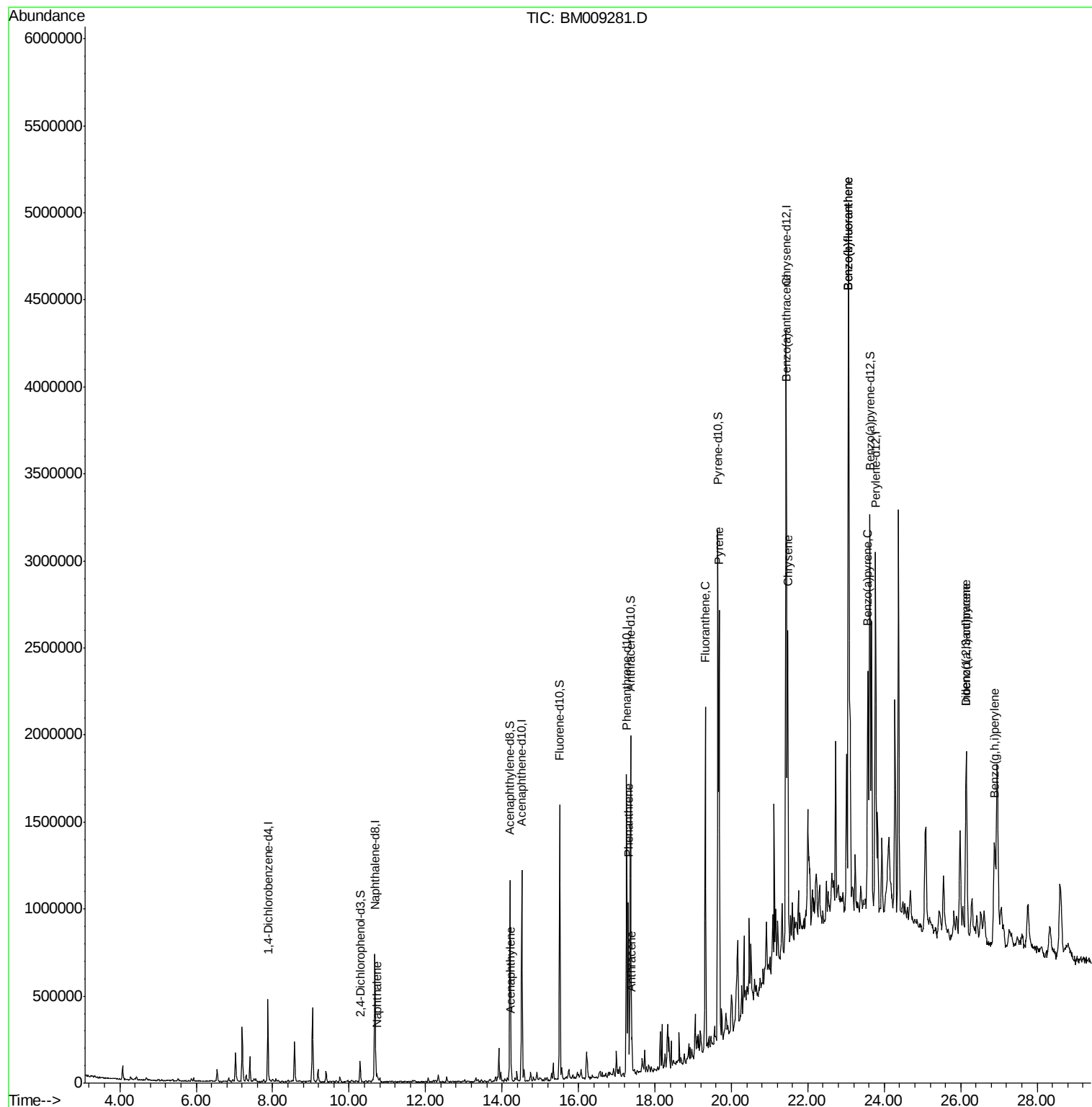
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	110397	20.00	ng/ul	0.00
2) Naphthalene-d8	10.67	136	533327	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	366226	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.26	188	940321	20.00	ng/ul	0.00
18) Chrysene-d12	21.44	240	1447821	20.00	ng/ul	0.00
23) Perylene-d12	23.77	264	1520468	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.29	165	32416	3.74	ng/uL	0.00
7) Acenaphthylene-d8	14.21	160	750272	24.16	ng/ul	0.00
10) Fluorene-d10	15.50	176	604802	22.22	ng/ul	0.00
15) Anthracene-d10	17.36	188	1022401	22.88	ng/ul	0.00
19) Pyrene-d10	19.65	212	1355918	23.36	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.62	264	1551131	22.44	ng/ul	0.00
Target Compounds						Qvalue
4) Naphthalene	10.72	128	34790	1.28	ng/ul	99
8) Acenaphthylene	14.24	152	50766	1.62	ng/ul	94
14) Phenanthrene	17.30	178	534608	10.10	ng/ul	96
16) Anthracene	17.40	178	127252	2.32	ng/ul	98
17) Fluoranthene	19.32	202	1154518	17.20	ng/ul#	95
20) Pyrene	19.68	202	1403423	18.79	ng/ul	95
21) Benzo(a)anthracene	21.42	228	867011	10.52	ng/ul	98
22) Chrysene	21.47	228	1069060	13.73	ng/ul	99
24) Benzo(b)fluoranthene	23.07	252	2084087	23.29	ng/ul	98
25) Benzo(k)fluoranthene	23.07	252	2084087	24.69	ng/ul	98
27) Benzo(a)pyrene	23.57	252	1108548	12.87	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	26.14	276	831100	8.13	ng/ul#	95
29) Dibenzo(a,h)anthracene	26.15	278	234138	2.71	ng/ul	97
30) Benzo(a,h,i)perylene	26.88	276	765869	9.00	ng/ul#	91

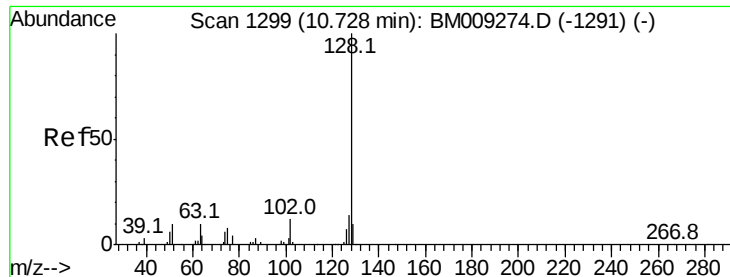
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.28 ng/ul

RT: 10.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BM009281.D

Acq: 17 Mar 2017 19:25

Instrument :

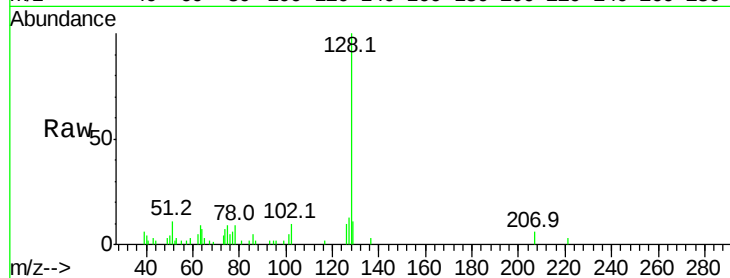
BNA_M

ClientSampleId :

CB319

Tot Ion:128 Resp: 34790

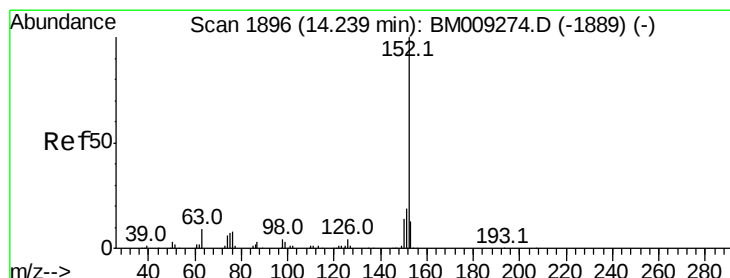
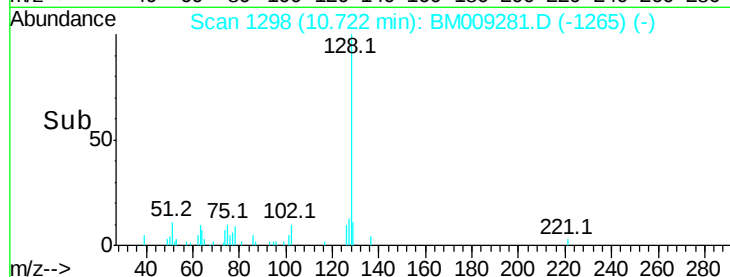
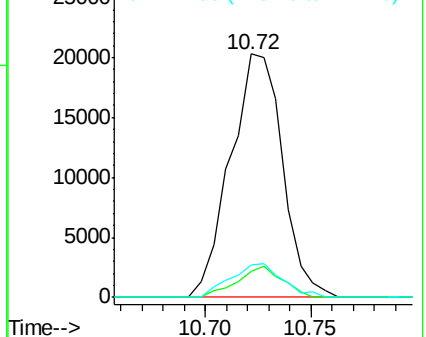
Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.1	13.7
127	13.2	10.6	15.8



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



#8

Acenaphthylene

Concen: 1.62 ng/ul

RT: 14.24 min Scan# 1896

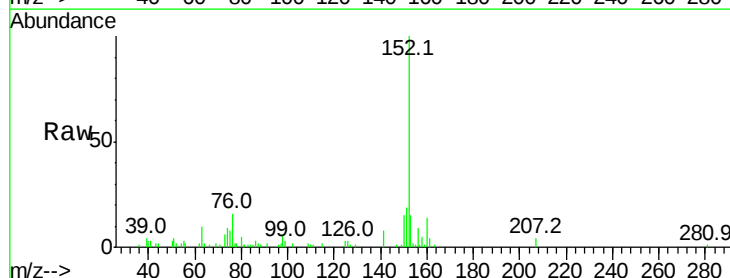
Delta R.T. -0.00 min

Lab File: BM009281.D

Acq: 17 Mar 2017 19:25

Tgt Ion:152 Resp: 50766

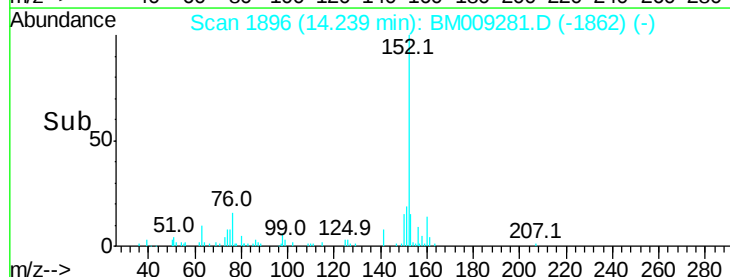
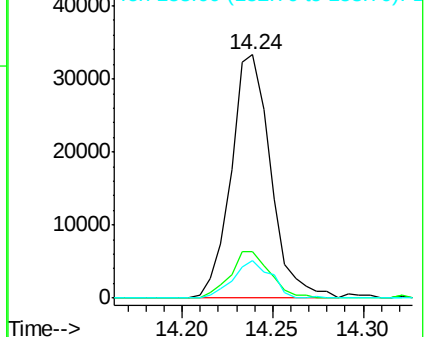
Ion	Ratio	Lower	Upper
152	100		
151	18.9	17.5	26.3
153	15.3	10.6	16.0

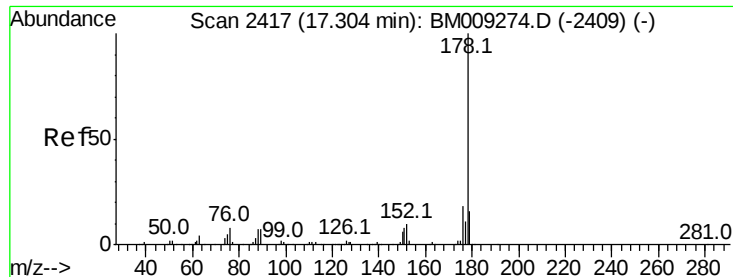


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#14

Phenanthrene

Concen: 10.10 ng/ul

RT: 17.30 min Scan# 2417

Delta R.T. -0.00 min

Lab File: BM009281.D

Acq: 17 Mar 2017 19:25

Instrument :

BNA_M

ClientSampleId :

CB319

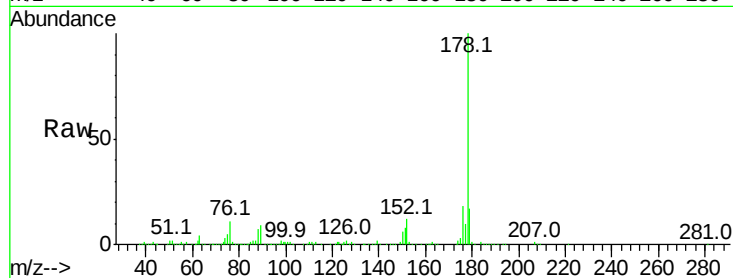
Tot Ion:178 Resp: 534608

Ion Ratio Lower Upper

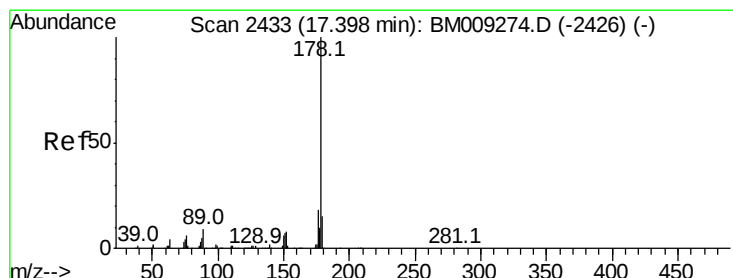
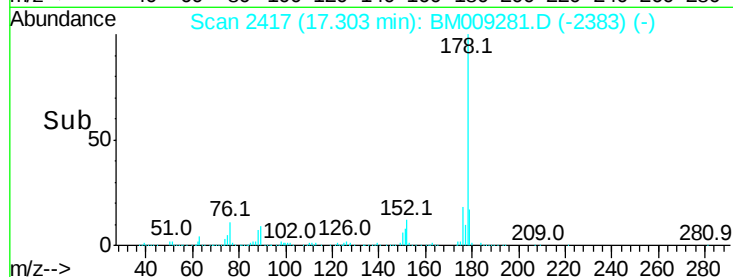
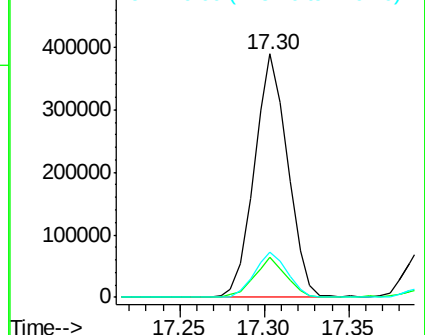
178 100

179 16.7 12.2 18.4

176 18.4 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: 2.32 ng/ul

RT: 17.40 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BM009281.D

Acq: 17 Mar 2017 19:25

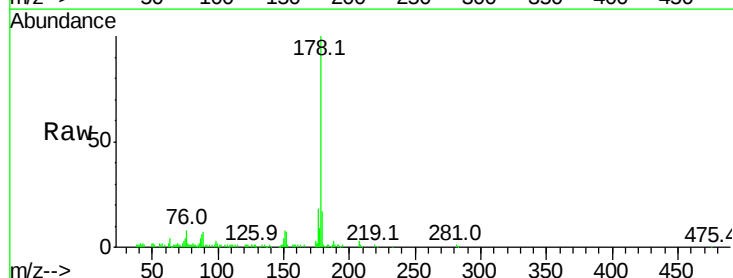
Tgt Ion:178 Resp: 127252

Ion Ratio Lower Upper

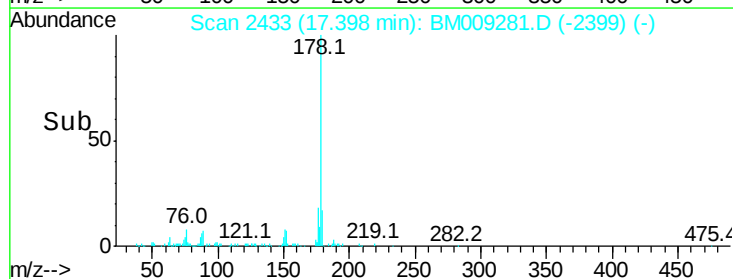
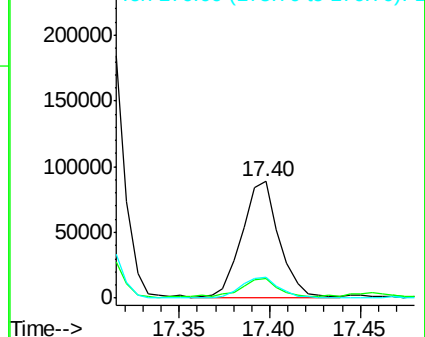
178 100

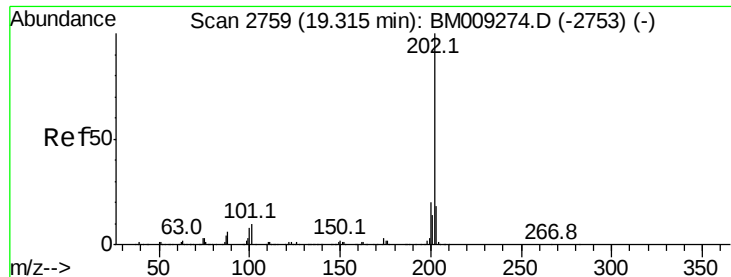
179 16.5 12.7 19.1

176 18.4 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

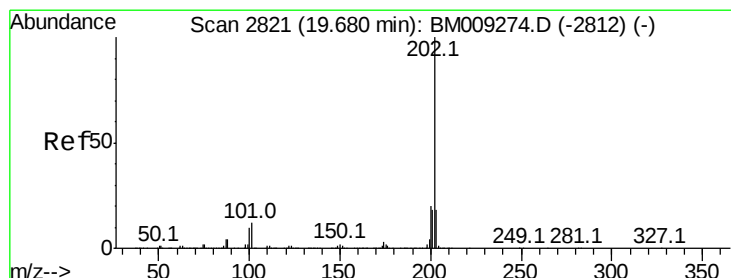
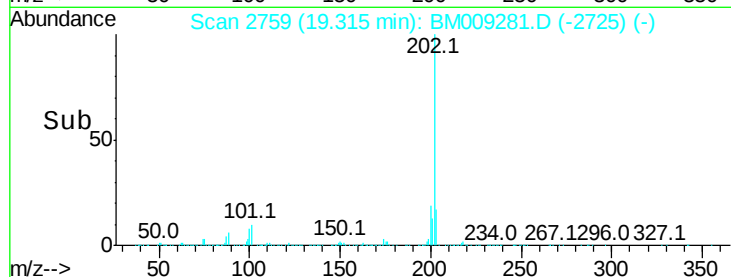
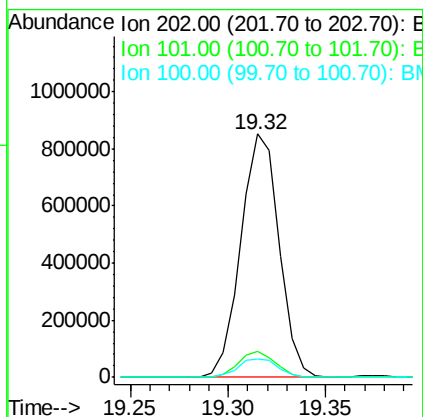
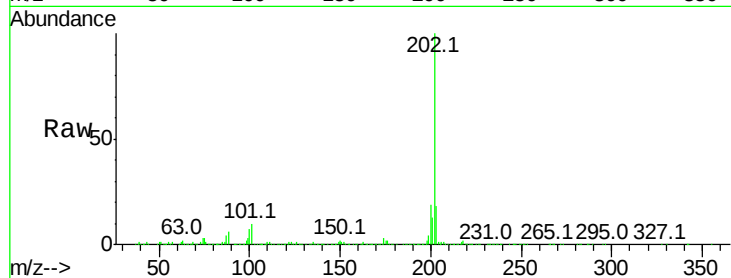




#17
 Fluoranthene
 Concen: 17.20 ng/ul
 RT: 19.32 min Scan# 2759
 Delta R.T. -0.00 min
 Lab File: BM009281.D
 Acq: 17 Mar 2017 19:25

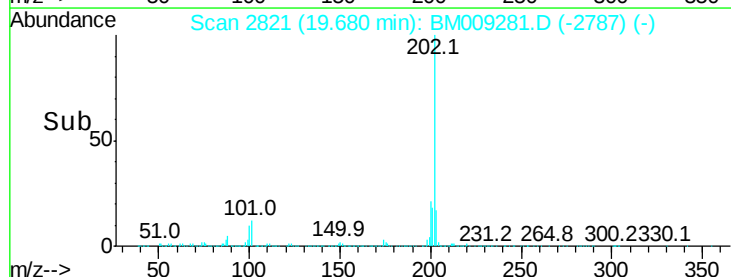
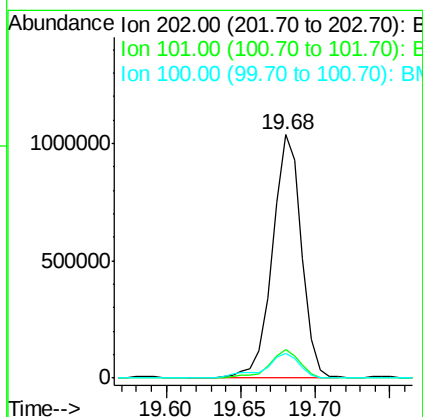
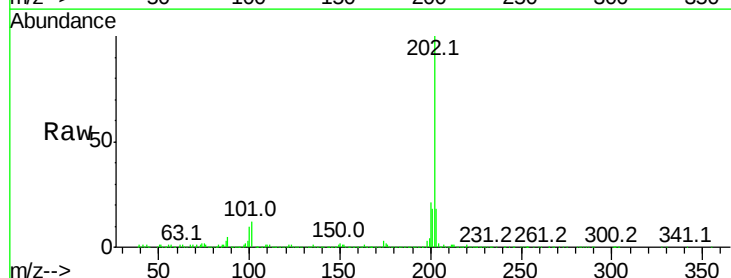
Instrument :
 BNA_M
 ClientSampleId :
 CB319

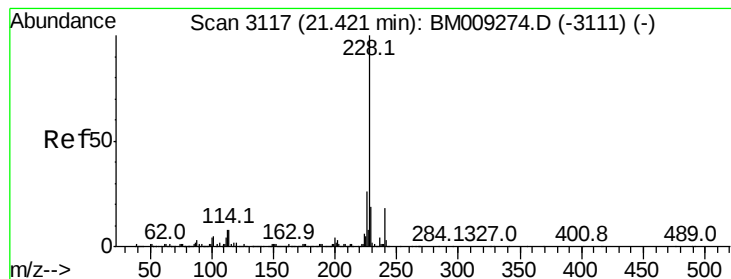
Tot Ion:202 Resp: 1154518
 Ion Ratio Lower Upper
 202 100
 101 10.5 9.8 14.8
 100 7.5 7.5 11.3#



#20
 Pyrene
 Concen: 18.79 ng/ul
 RT: 19.68 min Scan# 2821
 Delta R.T. -0.00 min
 Lab File: BM009281.D
 Acq: 17 Mar 2017 19:25

Tgt Ion:202 Resp: 1403423
 Ion Ratio Lower Upper
 202 100
 101 11.9 11.2 16.8
 100 10.2 9.8 14.6





#21

Benzo(a)anthracene

Concen: 10.52 ng/ul

RT: 21.42 min Scan# 3117

Delta R.T. -0.00 min

Lab File: BM009281.D

Acq: 17 Mar 2017 19:25

Instrument :

BNA_M

ClientSampleId :

CB319

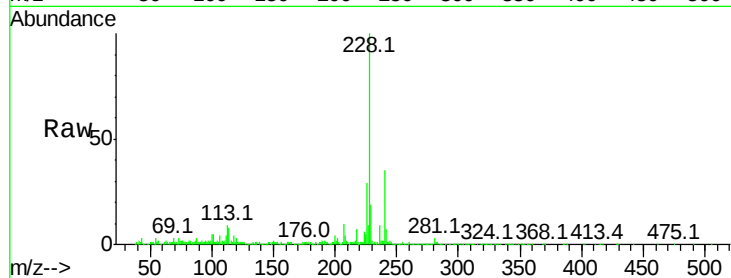
Tot Ion:228 Resp: 867011

Ion	Ratio	Lower	Upper
228	100		
229	18.9	15.9	23.9
226	28.8	22.1	33.1

228 100

229 18.9 15.9 23.9

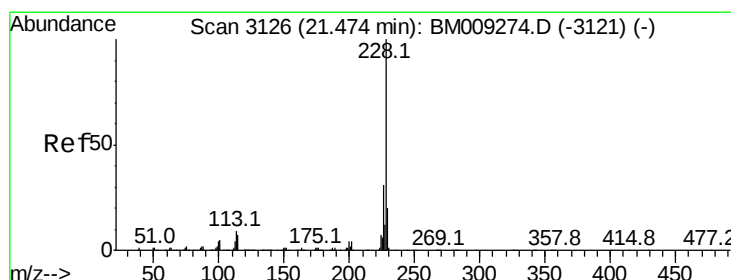
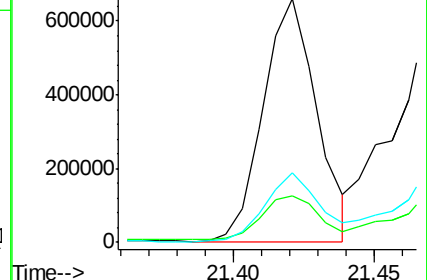
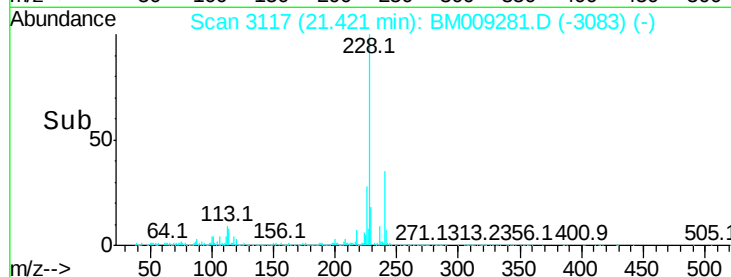
226 28.8 22.1 33.1



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: 13.73 ng/ul

RT: 21.47 min Scan# 3126

Delta R.T. -0.00 min

Lab File: BM009281.D

Acq: 17 Mar 2017 19:25

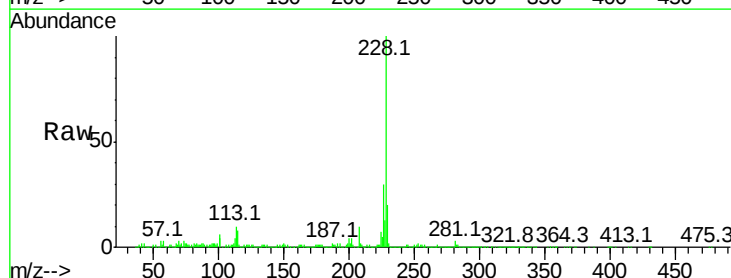
Tgt Ion:228 Resp: 1069060

Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	20.5	16.6	25.0

228 100

226 30.3 25.0 37.6

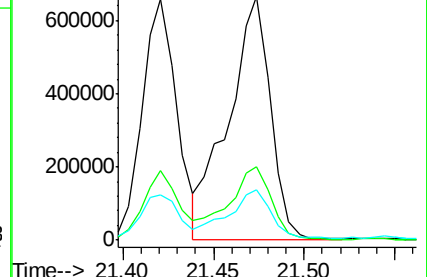
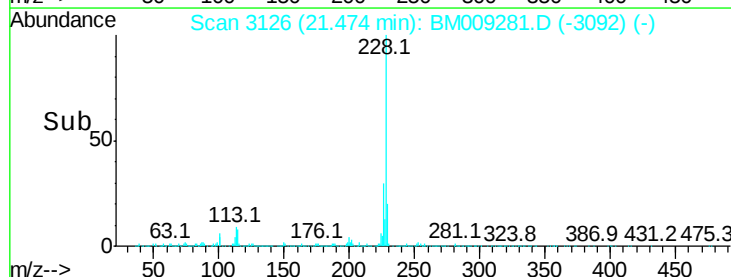
229 20.5 16.6 25.0

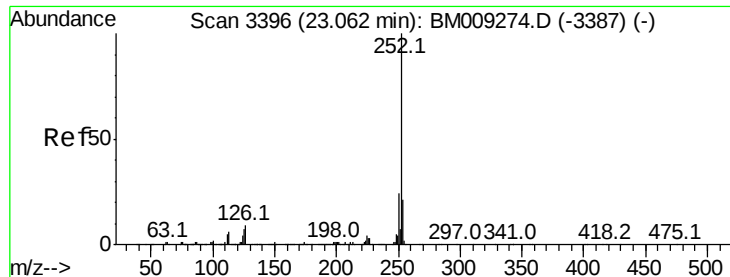


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 23.29 ng/ul

RT: 23.07 min Scan# 3397

Delta R.T. 0.01 min

Lab File: BM009281.D

Acq: 17 Mar 2017 19:25

Instrument :

BNA_M

ClientSampleId :

CB319

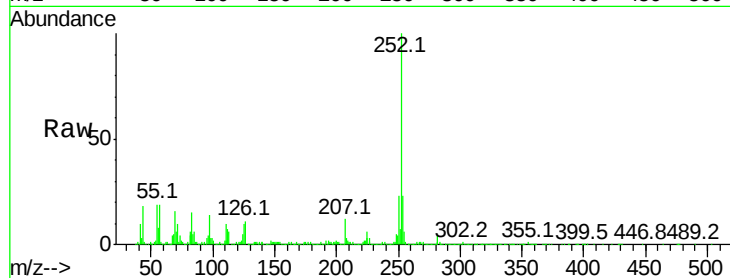
Tot Ion:252 Resp: 2084087

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	10.5	9.4	14.0

252 100

253 22.9 17.8 26.6

125 10.5 9.4 14.0

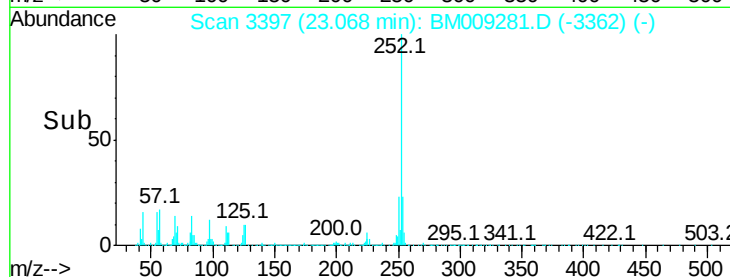


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

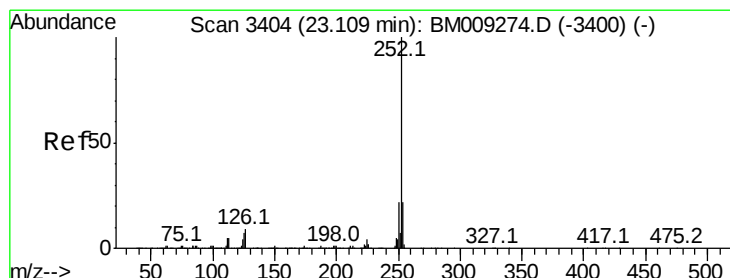
Ion 125.00 (124.70 to 125.70): E

Time-->



23.07

Time-->



#25

Benzo(k)fluoranthene

Concen: 24.69 ng/ul

RT: 23.07 min Scan# 3397

Delta R.T. -0.04 min

Lab File: BM009281.D

Acq: 17 Mar 2017 19:25

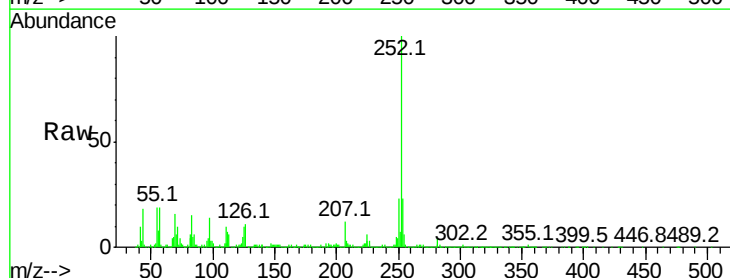
Tgt Ion:252 Resp: 2084087

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	10.5	8.8	13.2

252 100

253 22.9 17.4 26.2

125 10.5 8.8 13.2

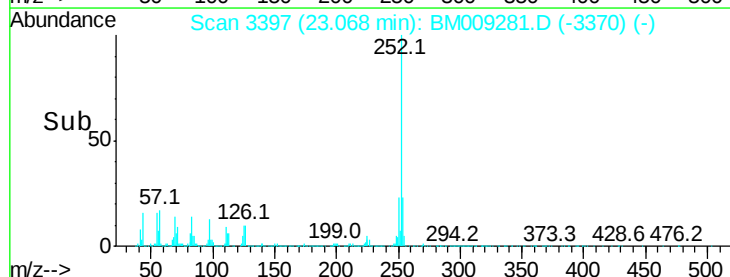


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

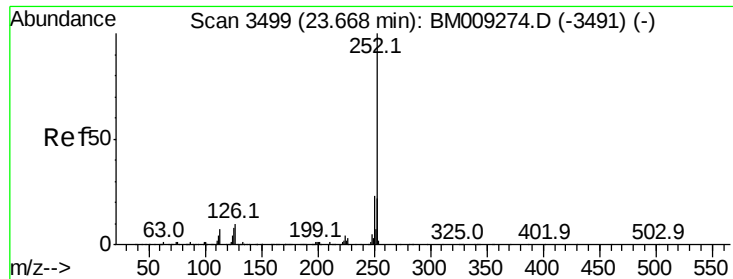
Ion 125.00 (124.70 to 125.70): E

Time-->



23.07

Time-->



#27

Benzo(a)pyrene

Concen: 12.87 ng/ul

RT: 23.57 min Scan# 3482

Delta R.T. -0.10 min

Lab File: BM009281.D

Acq: 17 Mar 2017 19:25

Instrument :

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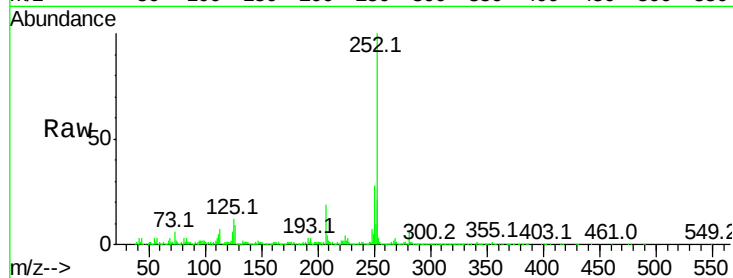
Tot Ion:252 Resp: 1108548

Ion Ratio Lower Upper

252 100

253 21.2 17.1 25.7

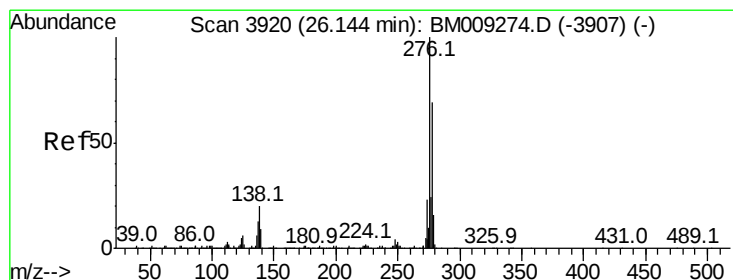
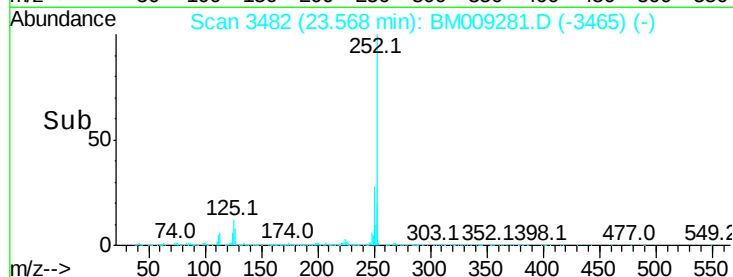
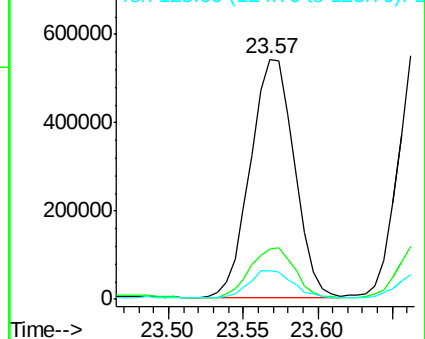
125 12.1 9.4 14.2



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: 8.13 ng/ul

RT: 26.14 min Scan# 3920

Delta R.T. -0.00 min

Lab File: BM009281.D

Acq: 17 Mar 2017 19:25

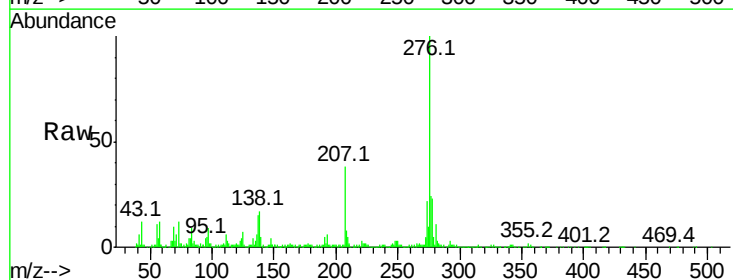
Tgt Ion:276 Resp: 831100

Ion Ratio Lower Upper

276 100

138 17.4 17.8 26.6#

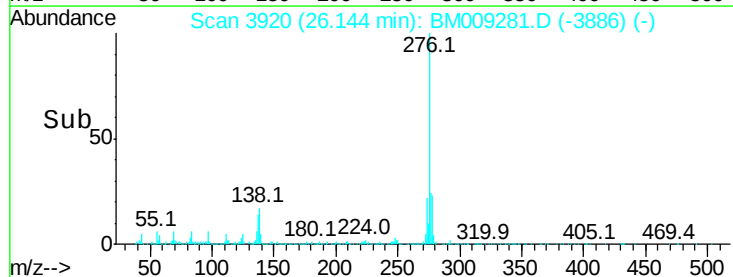
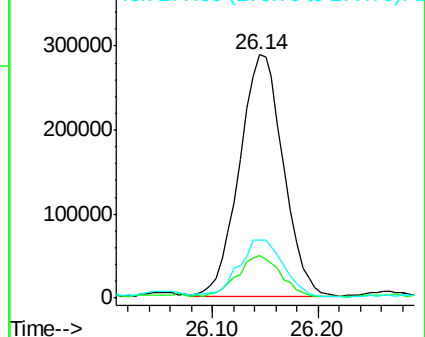
277 24.1 19.4 29.0

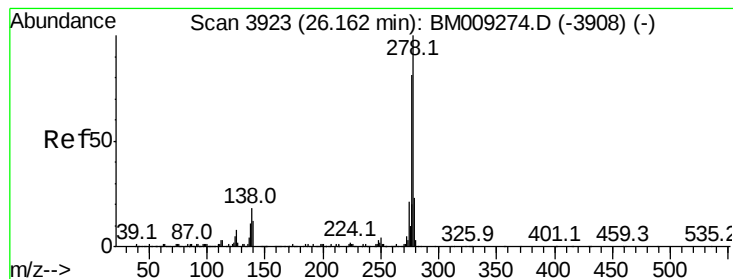


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 2.71 ng/ul

RT: 26.15 min Scan# 3921

Delta R.T. -0.01 min

Lab File: BM009281.D

Acq: 17 Mar 2017 19:25

Instrument :

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ClientSampleId :

CB319

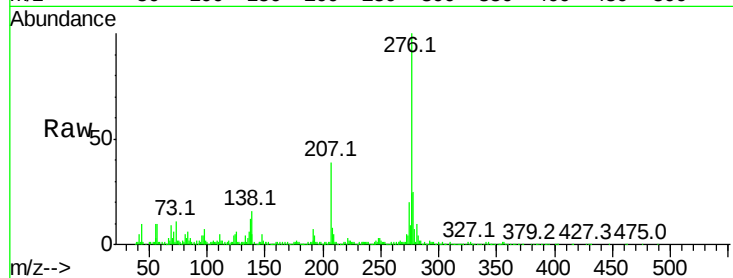
Tot Ion:278 Resp: 234138

Ion Ratio Lower Upper

278 100

139 20.0 14.0 21.0

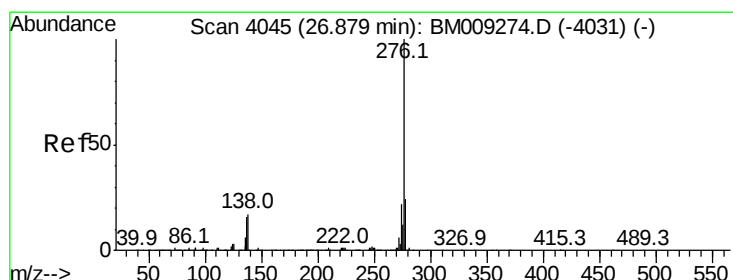
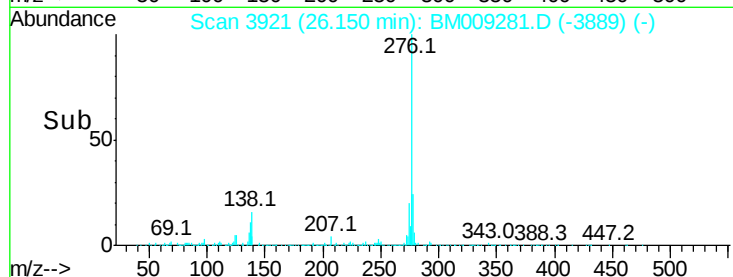
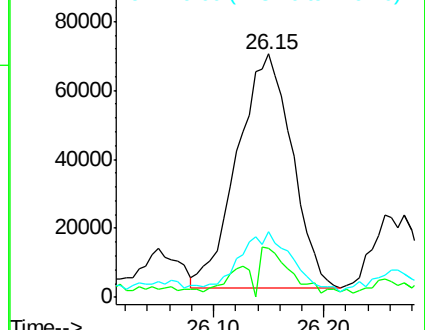
279 26.8 20.6 31.0



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(g,h,i)perylene

Concen: 9.00 ng/ul

RT: 26.88 min Scan# 4045

Delta R.T. -0.00 min

Lab File: BM009281.D

Acq: 17 Mar 2017 19:25

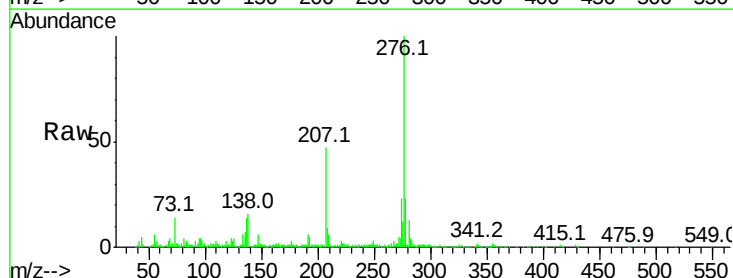
Tgt Ion:276 Resp: 765869

Ion Ratio Lower Upper

276 100

138 16.0 19.0 28.4#

277 22.9 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

