

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 :

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

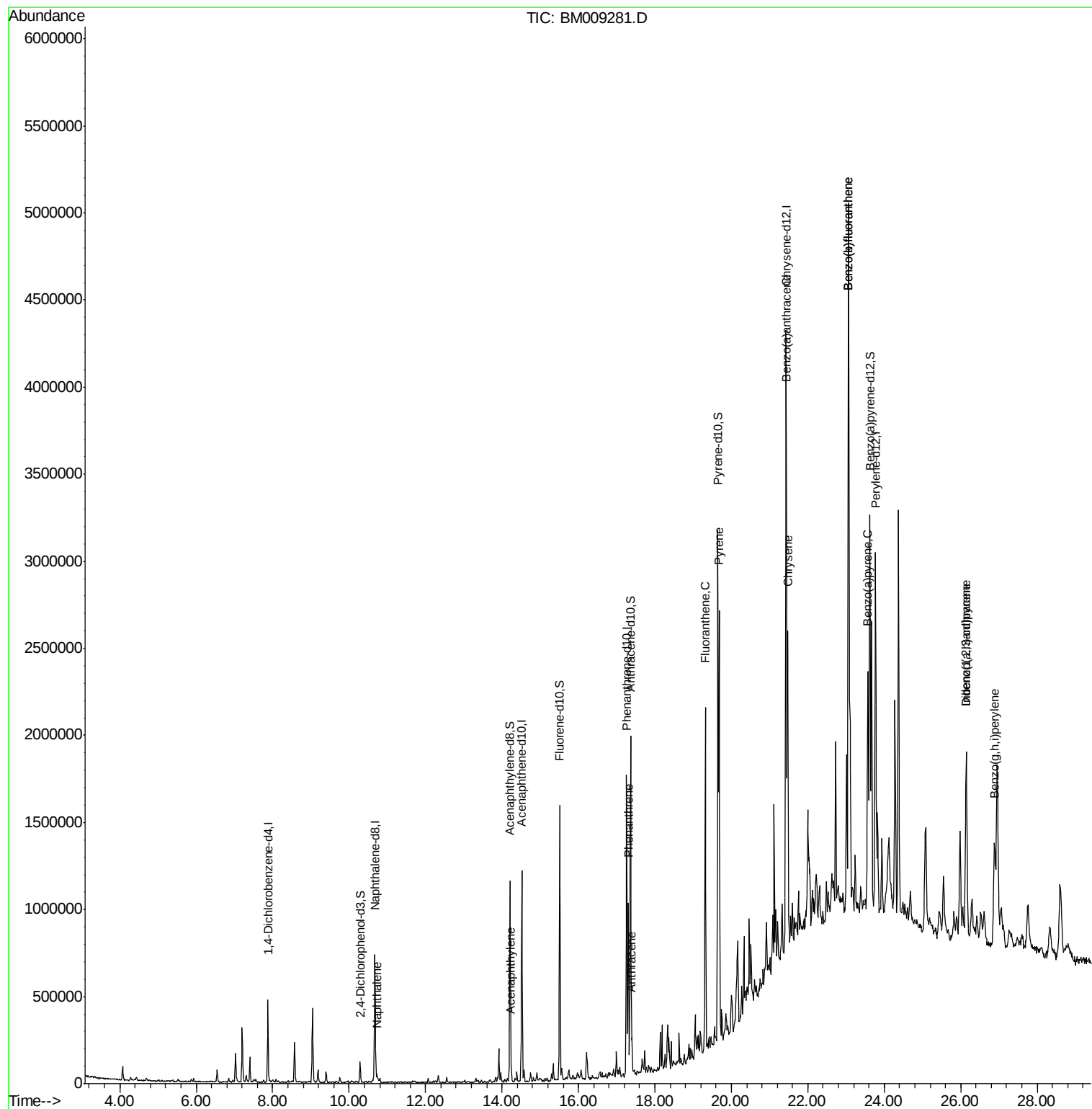
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	110397	20.00	ng/ul	0.00
2) Naphthalene-d8	10.67	136	533327	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	366226	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.26	188	940321	20.00	ng/ul	0.00
18) Chrysene-d12	21.44	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

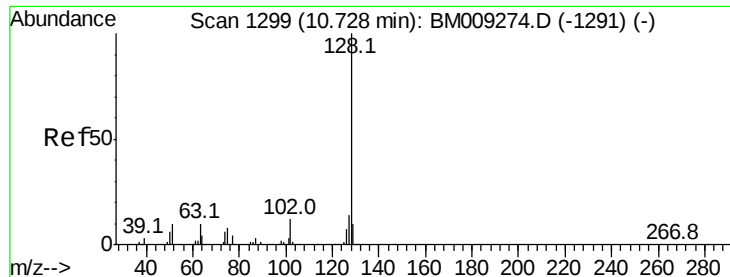
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

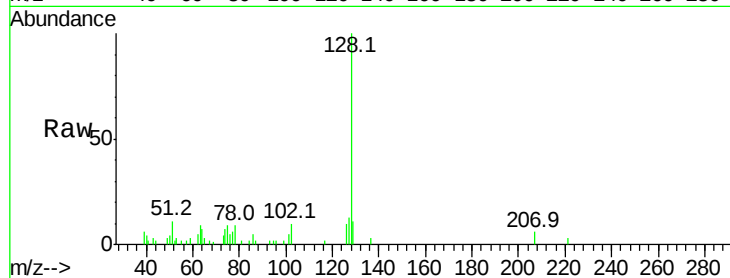
Tot Ion:128 Resp: 34790

Ion Ratio Lower Upper

128 100

129 10.9 9.1 13.7

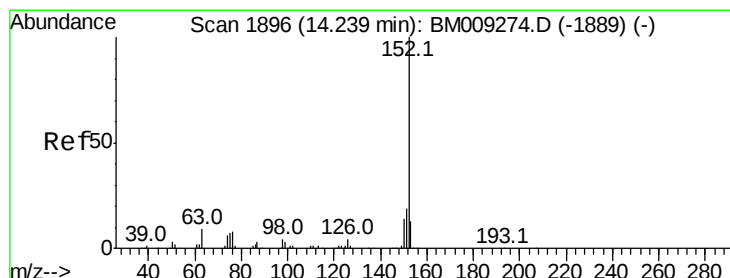
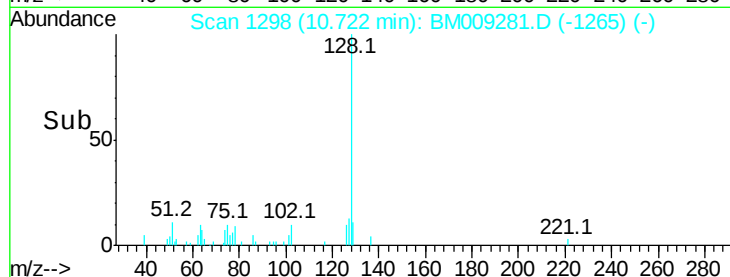
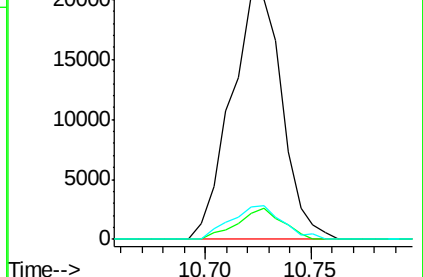
127 13.2 10.6 15.8



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

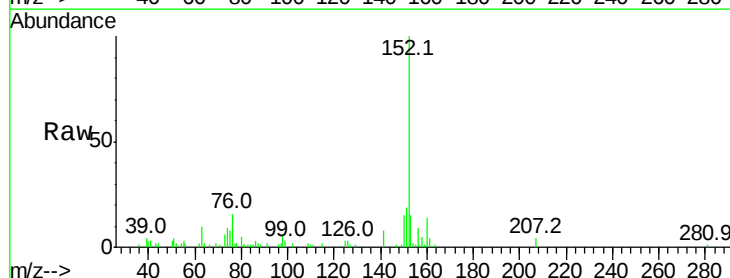
Tgt Ion:152 Resp: 50766

Ion Ratio Lower Upper

152 100

151 18.9 17.5 26.3

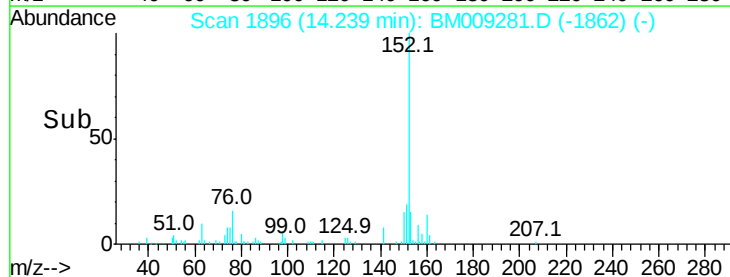
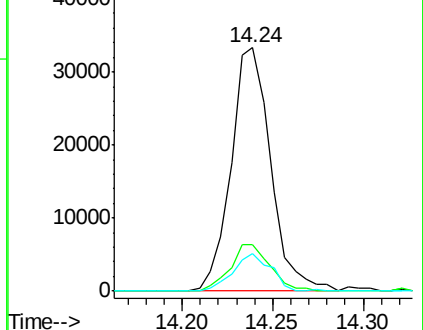
153 15.3 10.6 16.0

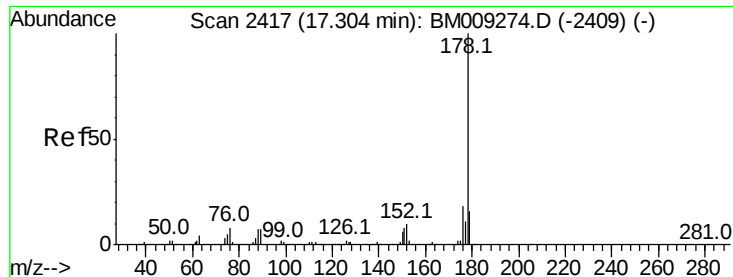


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

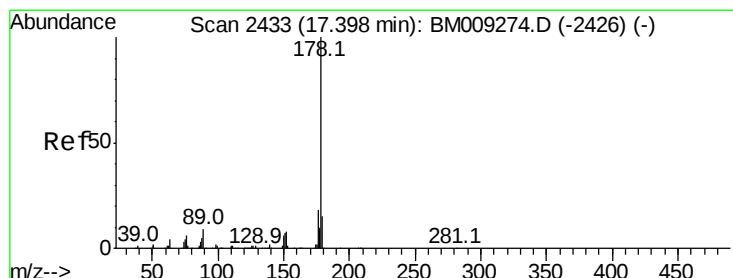
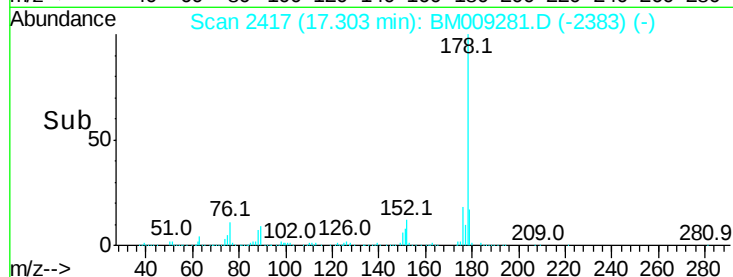
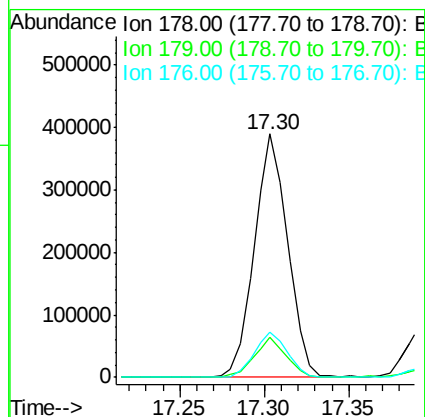
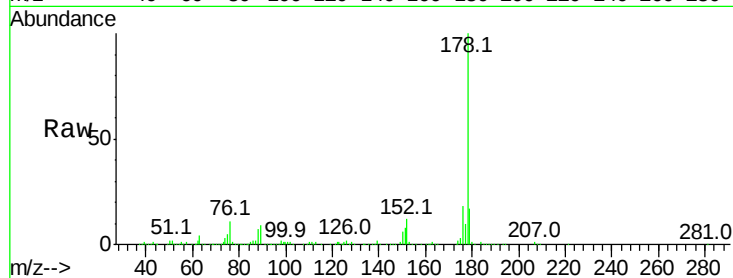




#14
Phenanthrene
Concen: 10.10 ng/ul
RT: 17.30 min Scan# 2417
Delta R.T. -0.00 min
Lab File: BM009281.D
Acq: 17 Mar 2017 19:25

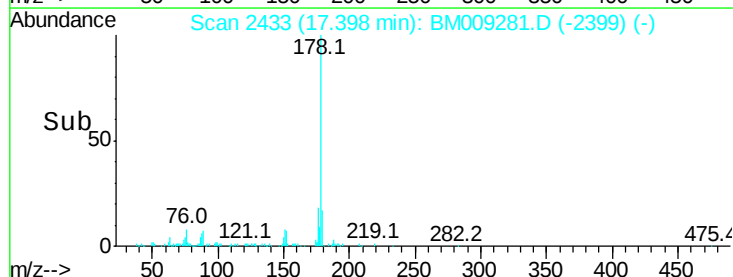
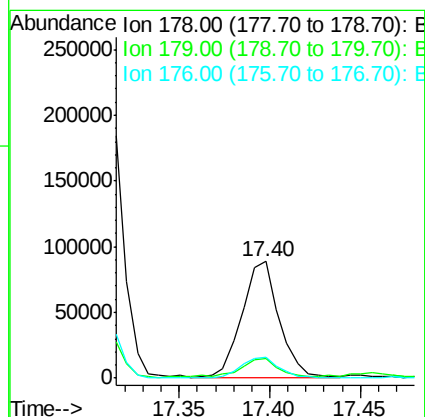
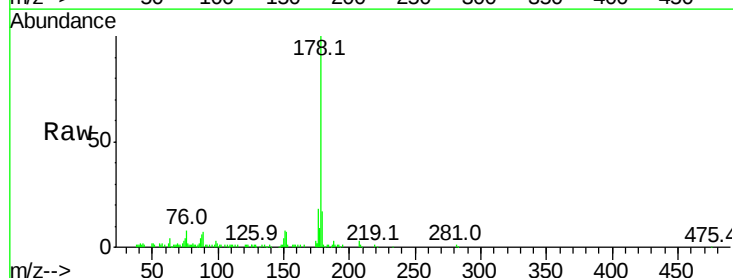
Instrument :
BNA_M
ClientSampleId :

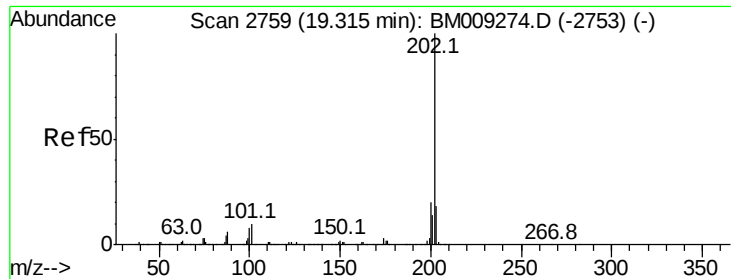
Tot Ion:178 Resp: 534608
Ion Ratio Lower Upper
178 100
179 16.7 12.2 18.4
176 18.4 16.4 24.6



#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

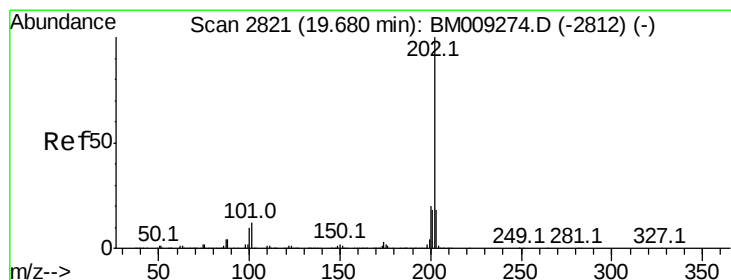
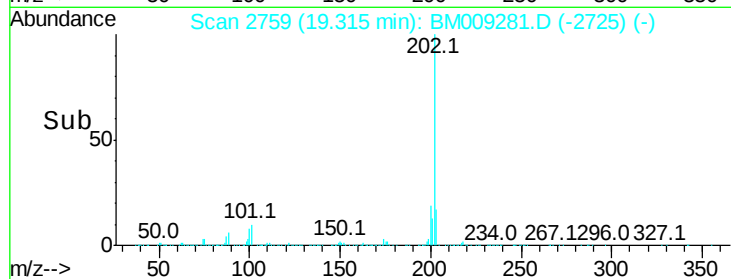
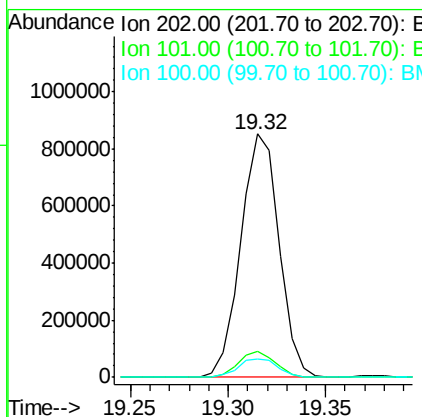
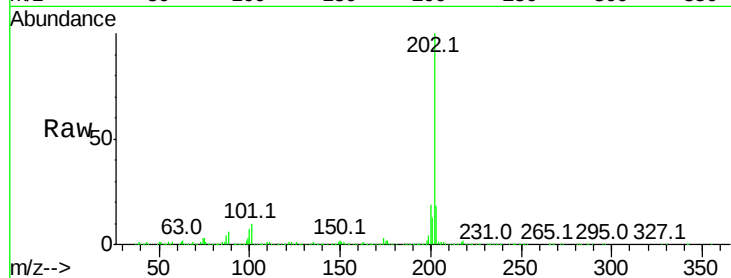




#17
 Fluoranthene
 Concen: 17.20 ng/ul
 RT: 19.32 min Scan# 2759
 Delta R.T. -0.00 min
 Lab File: BM009281.D
 Acq: 17 Mar 2017 19:25

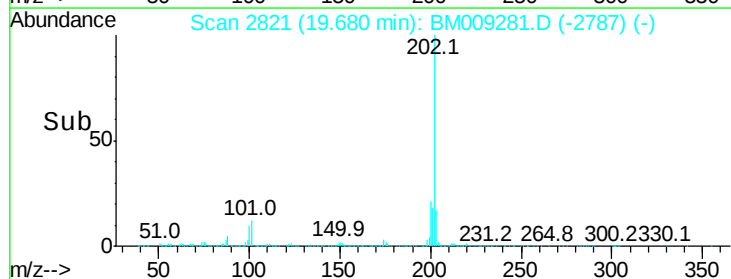
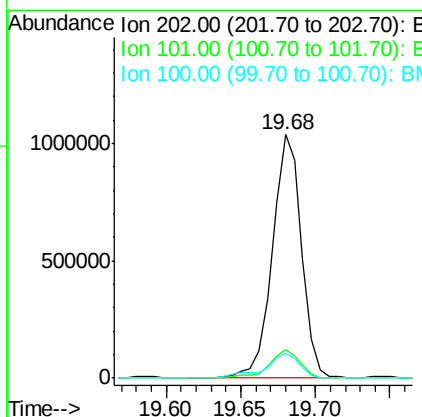
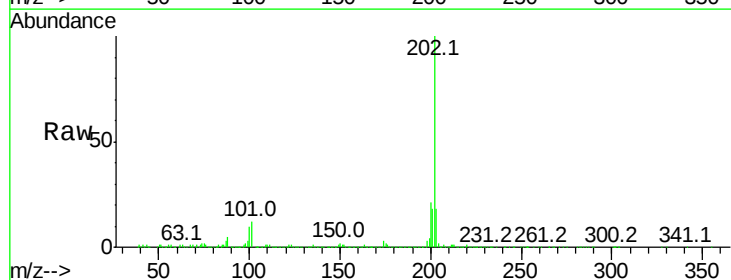
Instrument :
 BNA_M
 ClientSampleId :

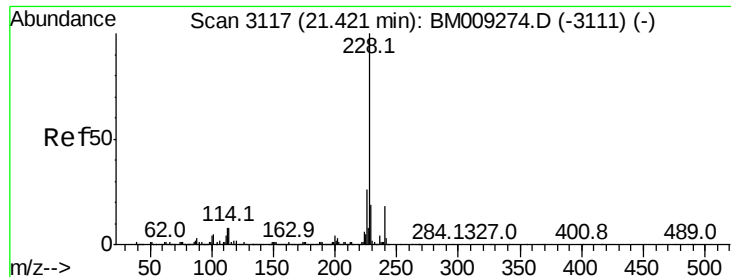
Tot Ion:202 Resp: 1154518
 Ion Ratio Lower Upper
 202 100
 101 10.5 9.8 14.8
 100 7.5 7.5 11.3#



#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

ClientSampled :

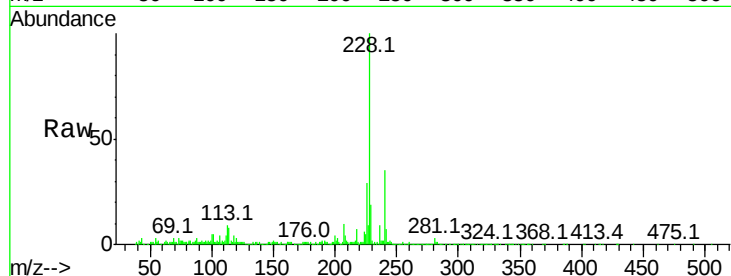
Tot Ion:228 Resp: 867011

Ion Ratio Lower Upper

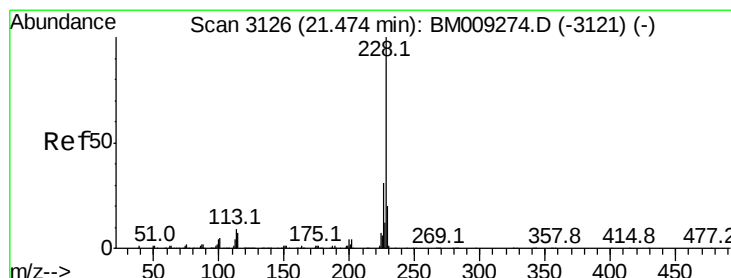
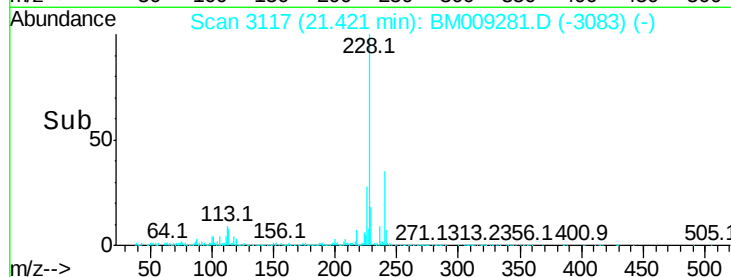
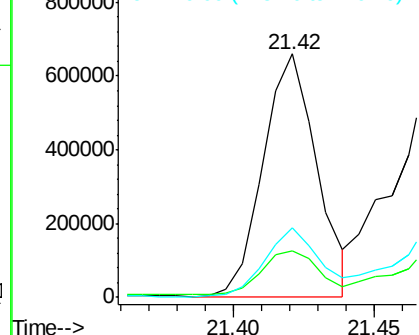
228 100

229 18.9 15.9 23.9

226 28.8 22.1 33.1



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

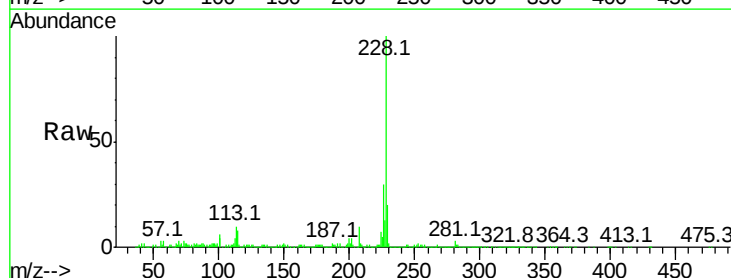
Tgt Ion:228 Resp: 1069060

Ion Ratio Lower Upper

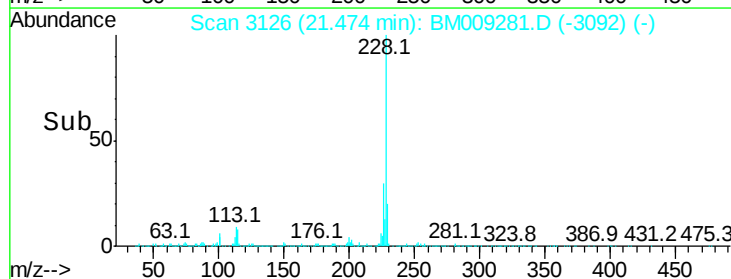
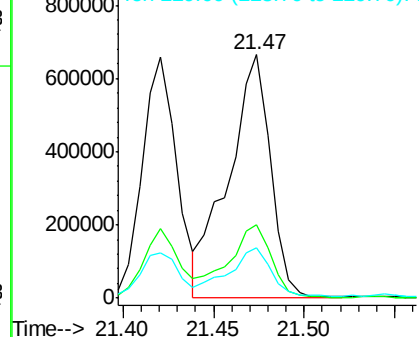
228 100

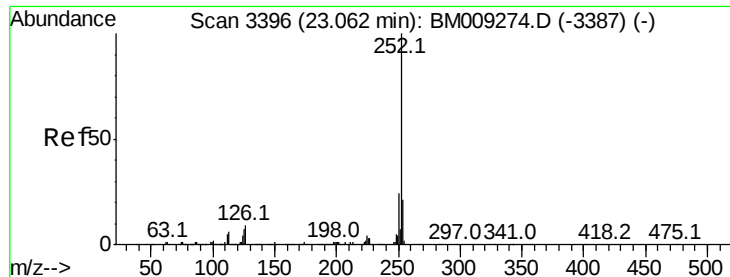
226 30.3 25.0 37.6

229 20.5 16.6 25.0



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 :

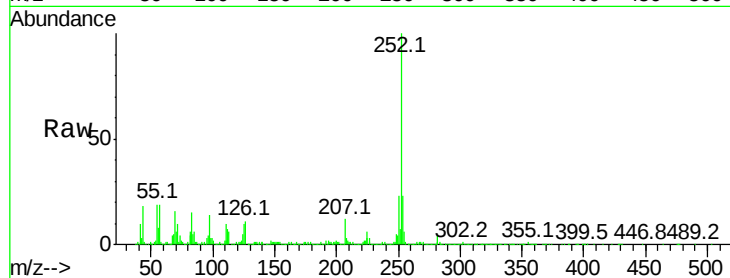
Tot Ion:252 Resp: 2084087

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

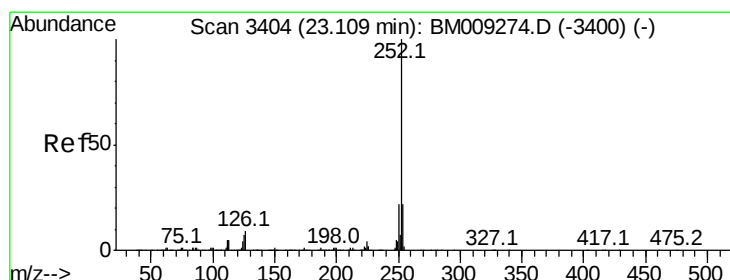
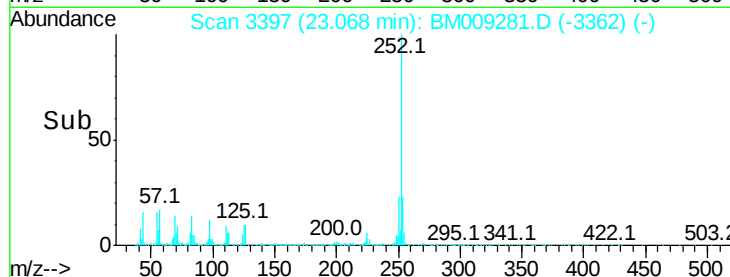
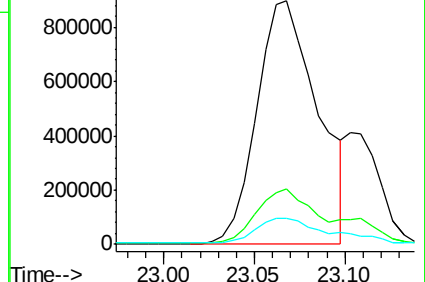
125 10.5 9.4 14.0



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: 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

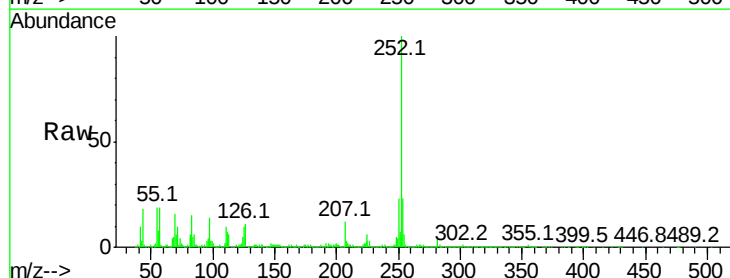
Tgt Ion:252 Resp: 2084087

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.2

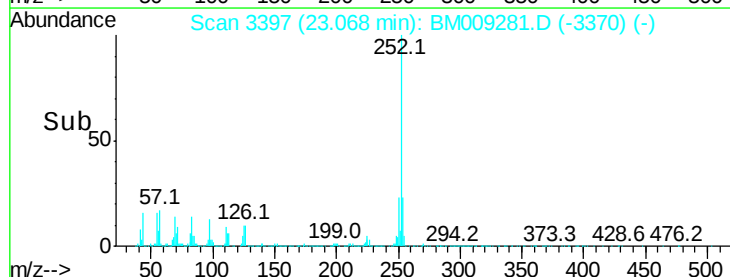
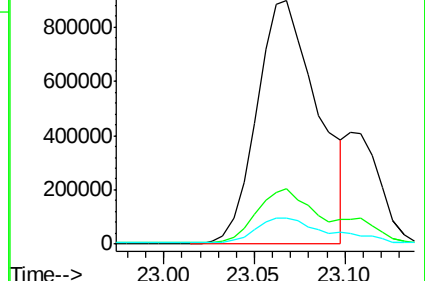
125 10.5 8.8 13.2

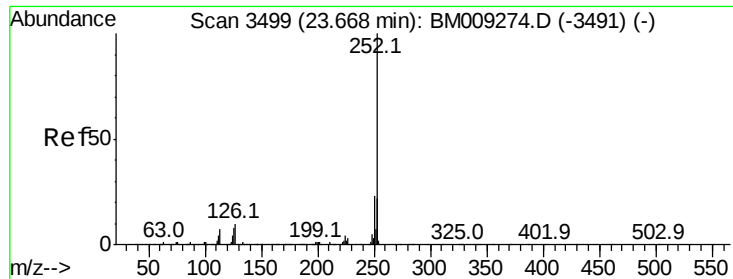


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 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 :

BNA_M

ClientSampleId :

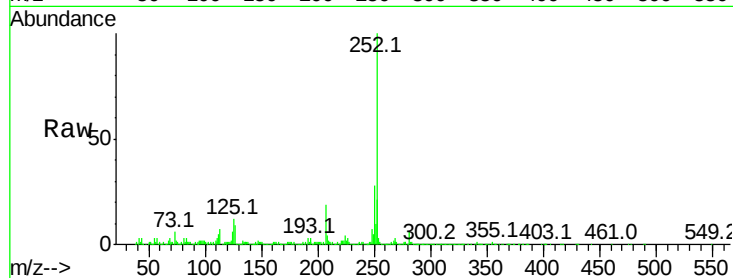
Tot Ion:252 Resp: 1108548

Ion Ratio Lower Upper

252 100

253 21.2 17.1 25.7

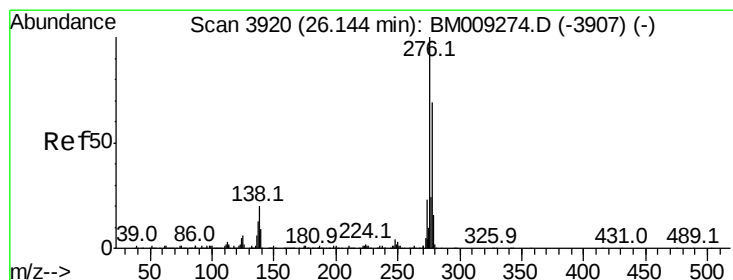
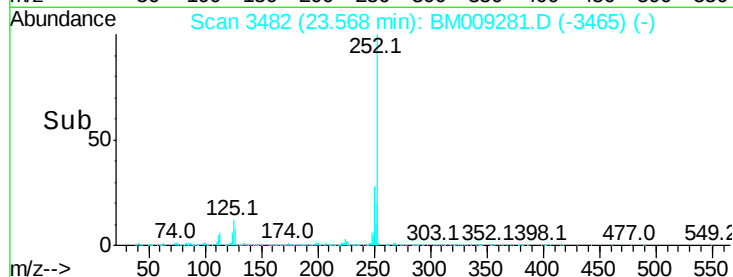
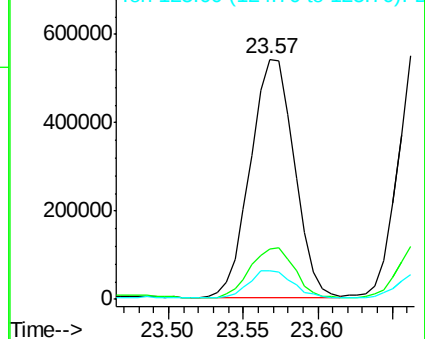
125 12.1 9.4 14.2



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

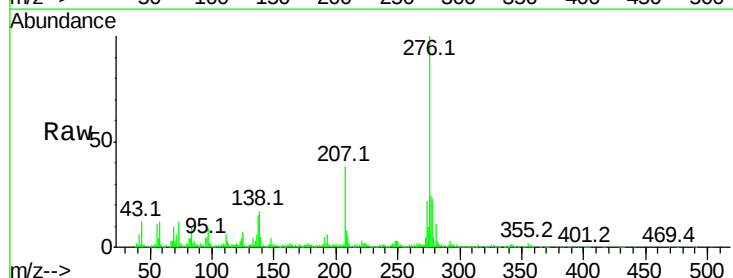
Tgt Ion:276 Resp: 831100

Ion Ratio Lower Upper

276 100

138 17.4 17.8 26.6#

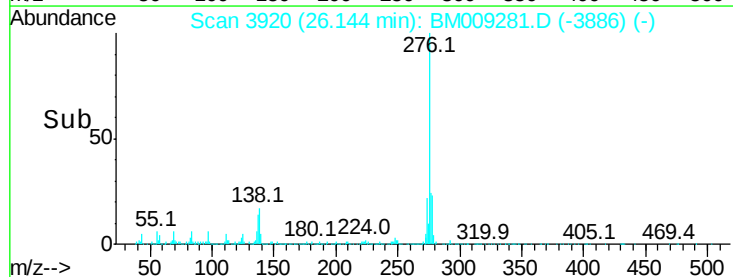
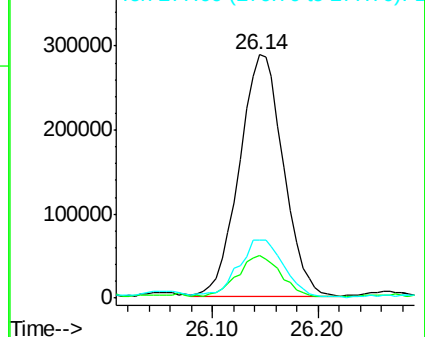
277 24.1 19.4 29.0

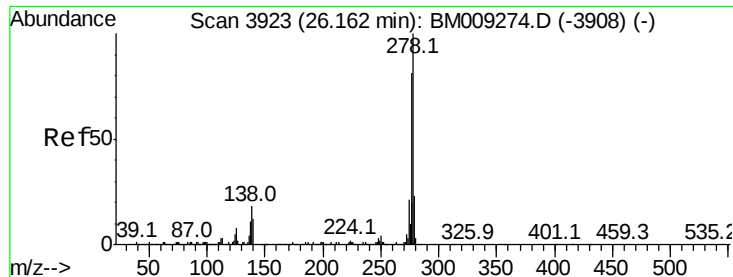


Abundance Ion 276.00 (275.70 to 276.70): E

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

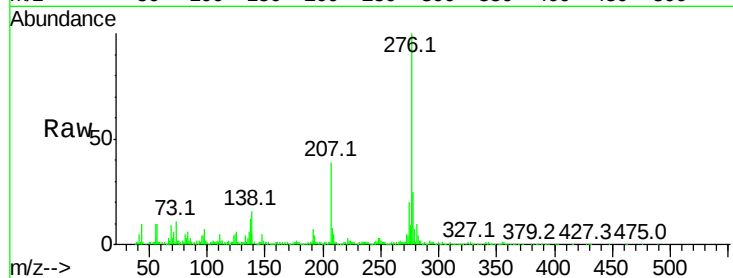
Instrument :

BNA_M

ClientSampleId :

Tot Ion:278 Resp: 234138

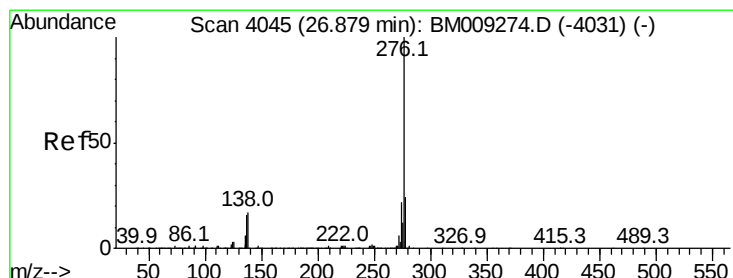
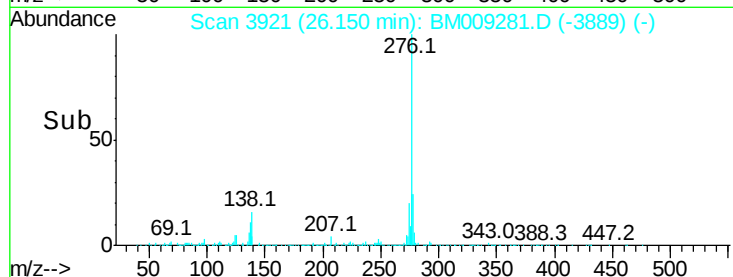
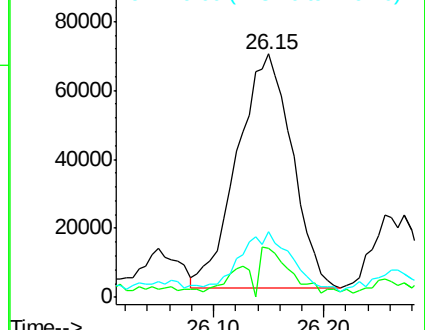
Ion	Ratio	Lower	Upper
278	100		
139	20.0	14.0	21.0
279	26.8	20.6	31.0



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

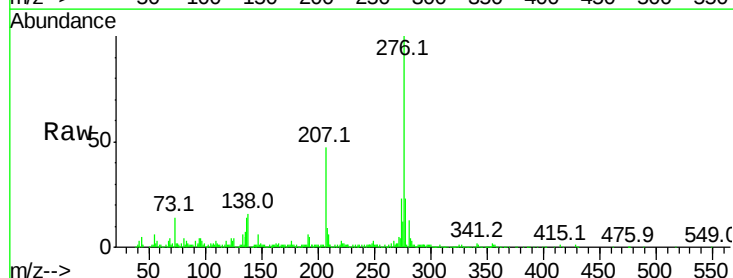
Delta R.T. -0.00 min

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

