

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031717\
 Data File : BM009276.D
 Acq On : 17 Mar 2017 16:25
 Operator : SJ/MA
 Sample : I2218-18
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB2Z7

Quant Time: Mar 18 00:40:01 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

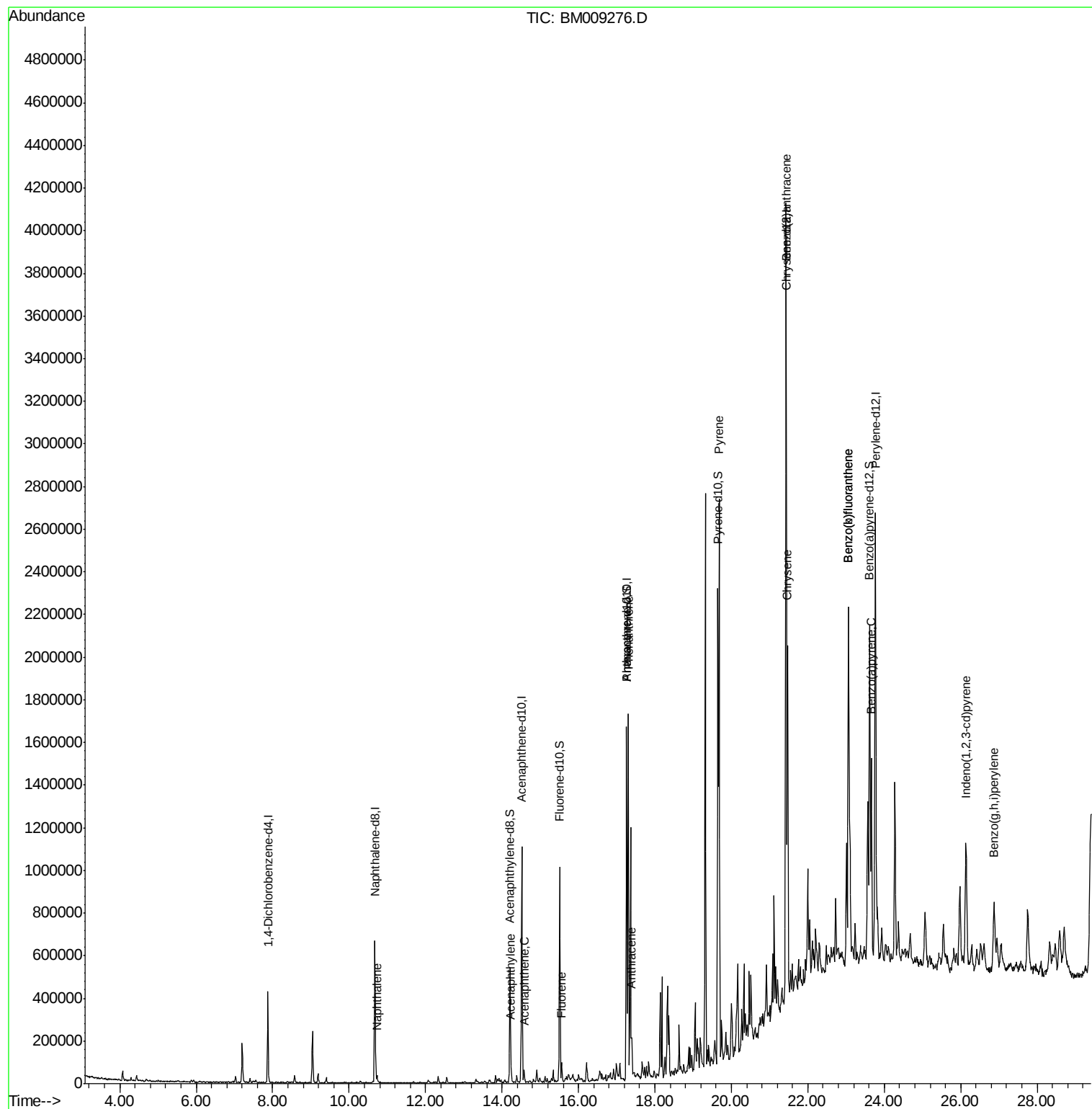
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	103850	20.00	ng/ul	0.00
2) Naphthalene-d8	10.67	136	462576	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	324859	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.26	188	903856	20.00	ng/ul	0.00
18) Chrysene-d12	21.43	240	1529652	20.00	ng/ul	0.00
23) Perylene-d12	23.77	264	1615423	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.29	165	3377	0.45	ng/uL	0.00
7) Acenaphthylene-d8	14.21	160	344052	12.49	ng/ul	0.00
10) Fluorene-d10	15.51	176	372850	15.44	ng/ul	0.00
15) Anthracene-d10	17.26	188	903856	21.05	ng/ul	-0.10
19) Pyrene-d10	19.65	212	904206	14.74	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.62	264	1025908	13.97	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.73	128	26830	1.14	ng/ul#	85
8) Acenaphthylene	14.24	152	34443	1.24	ng/ul	98
9) Acenaphthene	14.57	153	21951	1.09	ng/ul#	83
11) Fluorene	15.56	166	34634	1.25	ng/ul	95
14) Phenanthrene	17.30	178	935199	18.37	ng/ul	97
16) Anthracene	17.40	178	115997	2.20	ng/ul	96
20) Pyrene	19.68	202	1548310	19.62	ng/ul	96
21) Benzo(a)anthracene	21.42	228	863855	9.92	ng/ul	99
22) Chrysene	21.47	228	944936	11.49	ng/ul	96
24) Benzo(b)fluoranthene	23.06	252	1151272	12.11	ng/ul	99
25) Benzo(k)fluoranthene	23.06	252	1151272	12.84	ng/ul	99
27) Benzo(a)pyrene	23.66	252	680394	7.44	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	26.14	276	453387	4.17	ng/ul#	94
30) Benzo(a,h,i)perylene	26.87	276	395866	4.38	ng/ul#	87

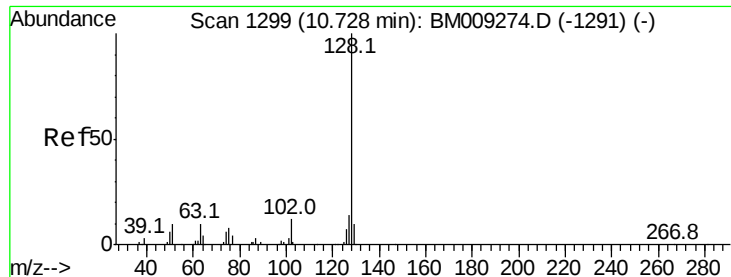
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.14 ng/ul

RT: 10.73 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BM009276.D

Acq: 17 Mar 2017 16:25

Instrument :

BNA_M

ClientSampleId :

CB2Z7

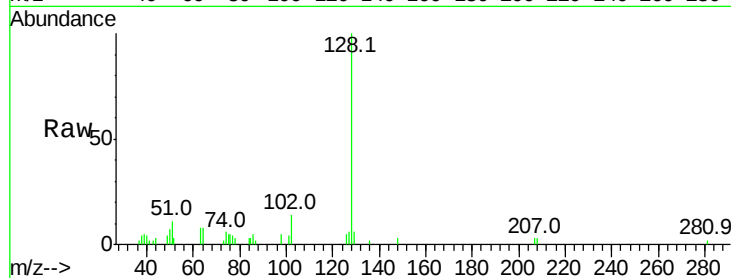
Tot Ion:128 Resp: 26830

Ion Ratio Lower Upper

128 100

129 6.2 9.1 13.7#

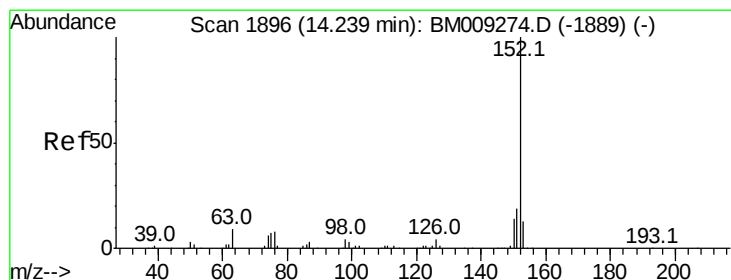
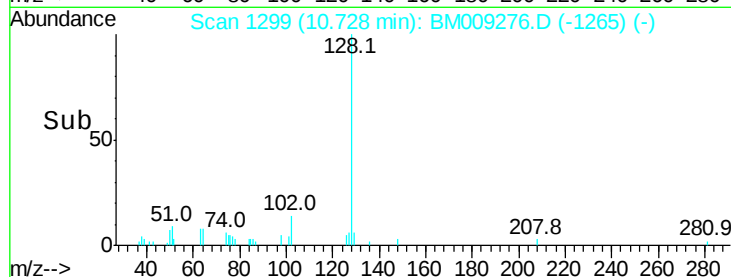
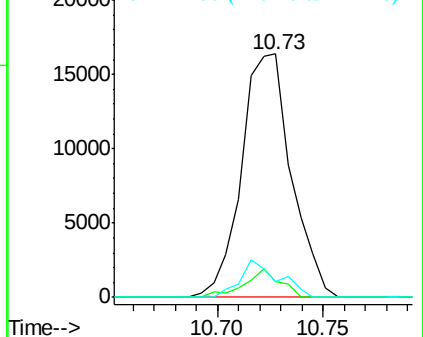
127 6.4 10.6 15.8#



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: 1.24 ng/ul

RT: 14.24 min Scan# 1896

Delta R.T. 0.00 min

Lab File: BM009276.D

Acq: 17 Mar 2017 16:25

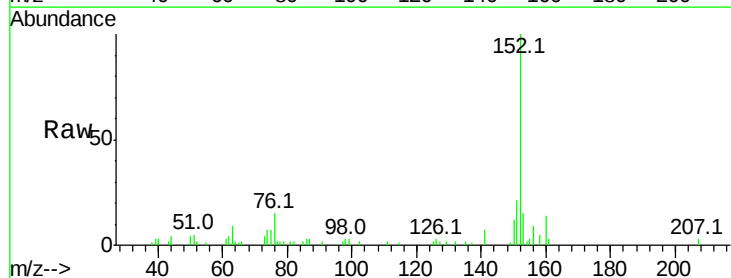
Tgt Ion:152 Resp: 34443

Ion Ratio Lower Upper

152 100

151 21.4 17.5 26.3

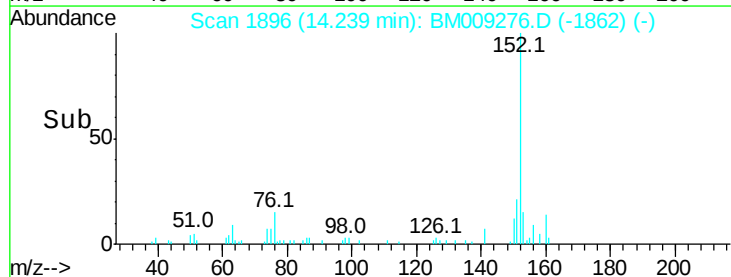
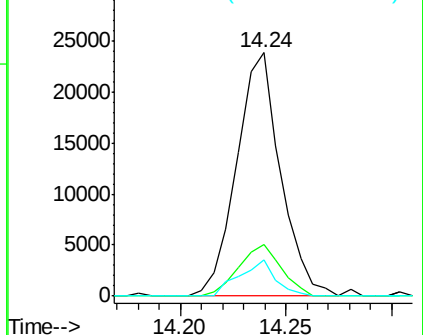
153 14.9 10.6 16.0

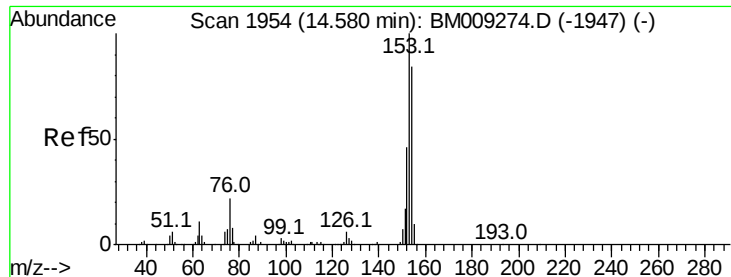


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 1.09 ng/ul

RT: 14.57 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BM009276.D

Acq: 17 Mar 2017 16:25

Instrument :

BNA_M

ClientSampleId :

CB2Z7

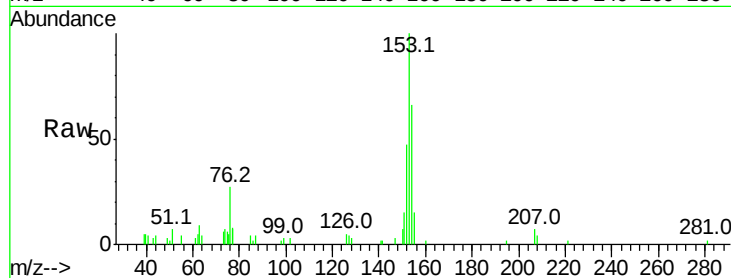
Tot Ion:153 Resp: 21951

Ion Ratio Lower Upper

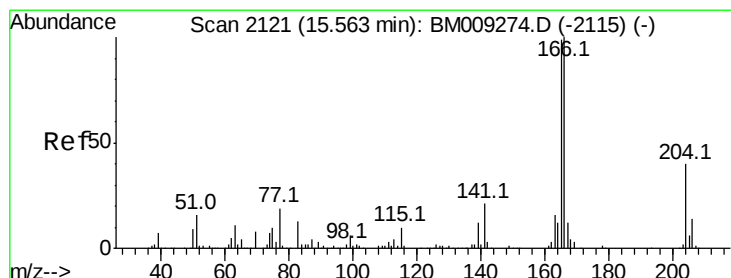
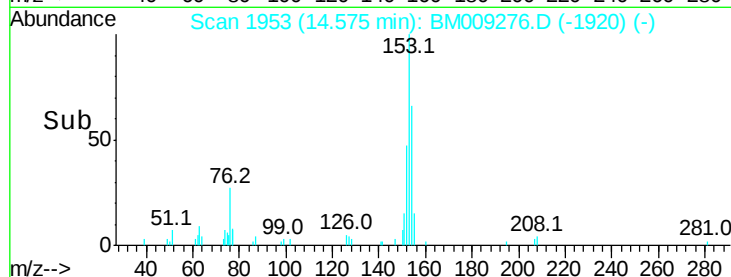
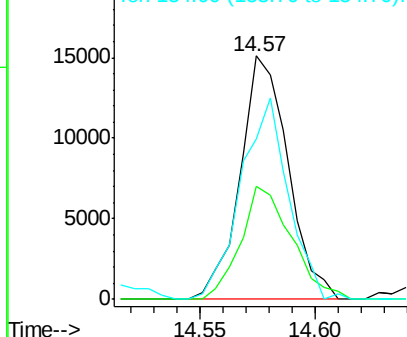
153 100

152 46.7 37.9 56.9

154 66.1 71.6 107.4#



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: 1.25 ng/ul

RT: 15.56 min Scan# 2121

Delta R.T. 0.00 min

Lab File: BM009276.D

Acq: 17 Mar 2017 16:25

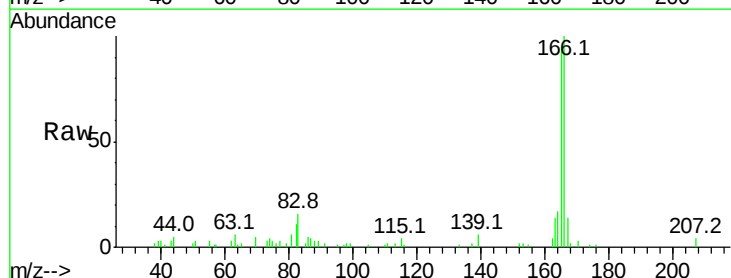
Tgt Ion:166 Resp: 34634

Ion Ratio Lower Upper

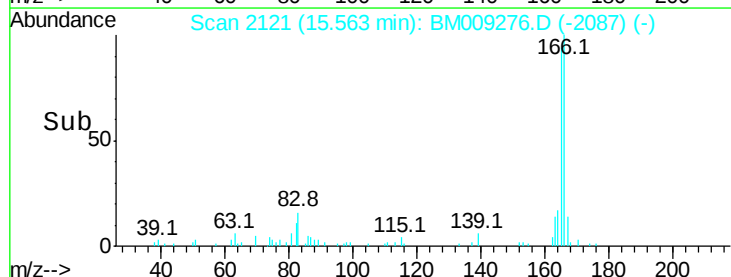
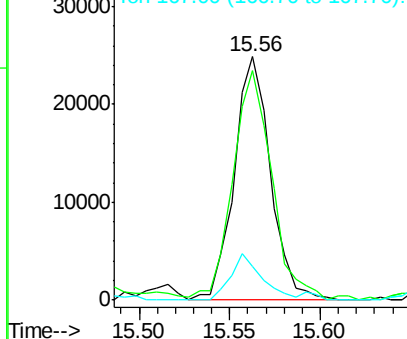
166 100

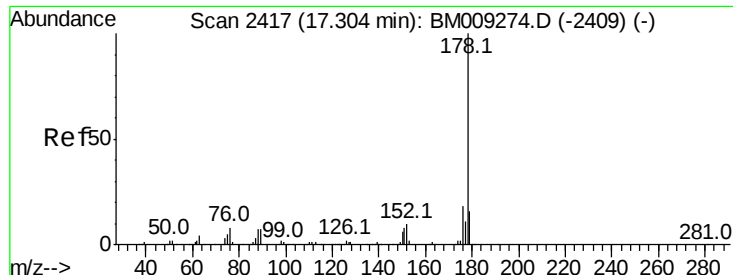
165 94.1 80.0 120.0

167 14.0 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

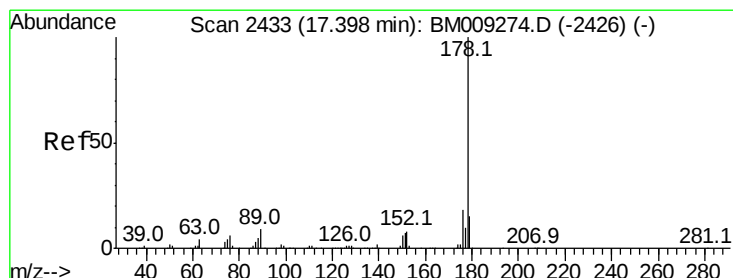
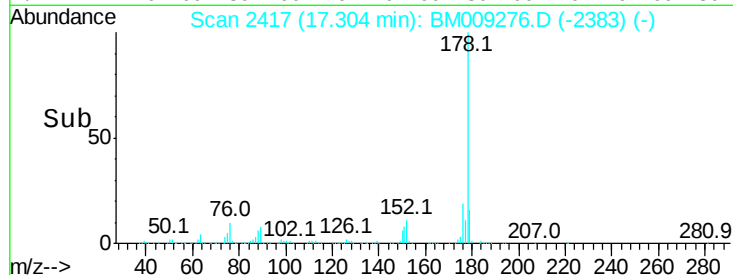
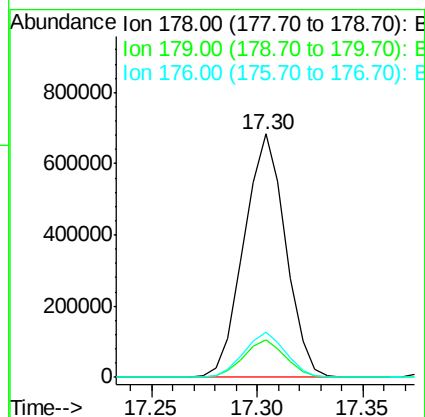
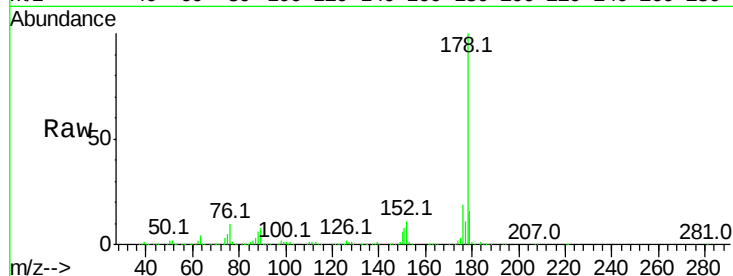




#14
Phenanthrene
Concen: 18.37 ng/ul
RT: 17.30 min Scan# 2417
Delta R.T. 0.00 min
Lab File: BM009276.D
Acq: 17 Mar 2017 16:25

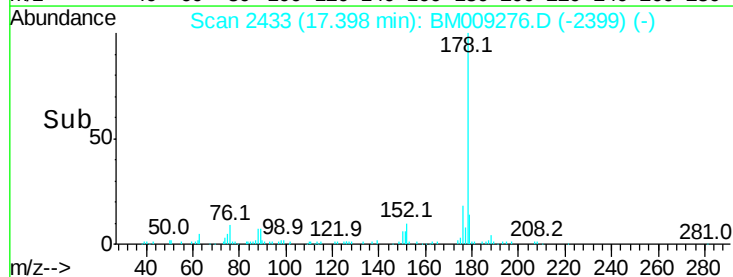
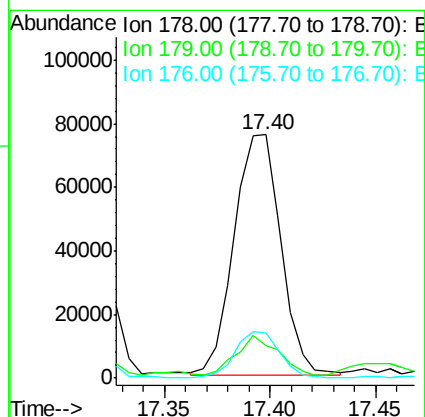
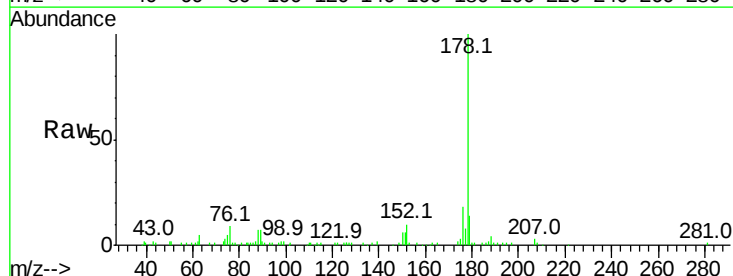
Instrument :
BNA_M
ClientSampleId :
CB2Z7

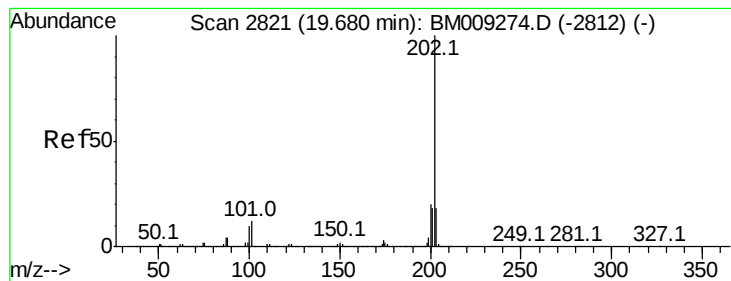
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.2	18.4
176	18.6	16.4	24.6



#16
Anthracene
Concen: 2.20 ng/ul
RT: 17.40 min Scan# 2433
Delta R.T. 0.00 min
Lab File: BM009276.D
Acq: 17 Mar 2017 16:25

Tgt Ion	Ratio	Lower	Upper
178	100		
179	13.5	12.7	19.1
176	18.3	15.8	23.8





#20

Pvrene

Concen: 19.62 ng/ul

RT: 19.68 min Scan# 2821

Delta R.T. 0.00 min

Lab File: BM009276.D

Acq: 17 Mar 2017 16:25

Instrument :

BNA_M

ClientSampleId :

CB2Z7

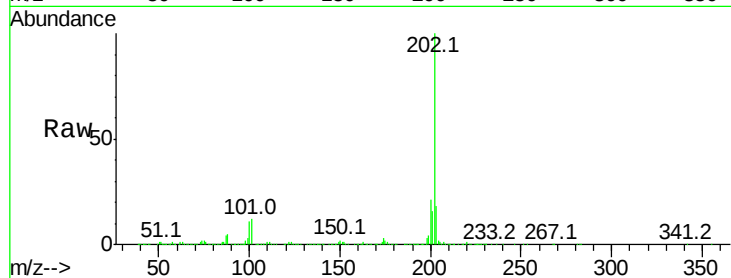
Tot Ion:202 Resp: 1548310

Ion	Ratio	Lower	Upper
202	100		
101	12.2	11.2	16.8
100	10.6	9.8	14.6

202 100

101 12.2 11.2 16.8

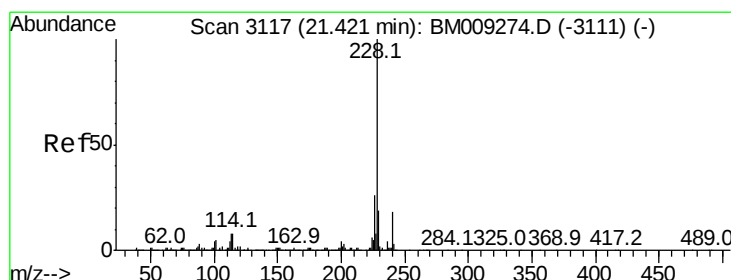
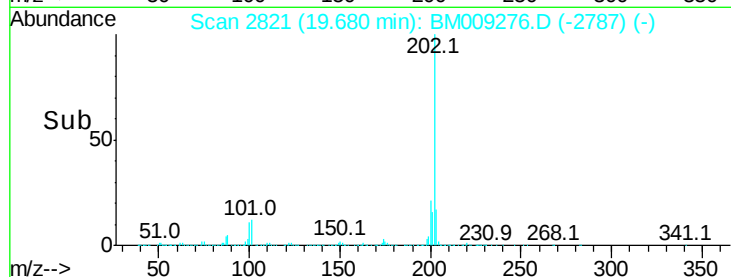
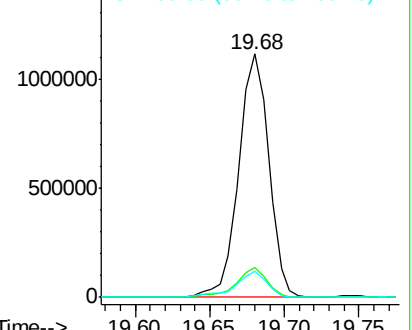
100 10.6 9.8 14.6



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): B



#21

Benzo(a)anthracene

Concen: 9.92 ng/ul

RT: 21.42 min Scan# 3117

Delta R.T. 0.00 min

Lab File: BM009276.D

Acq: 17 Mar 2017 16:25

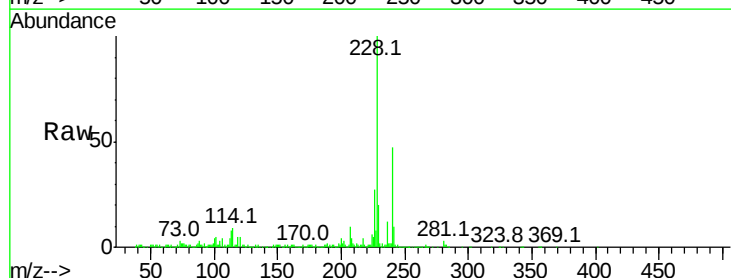
Tgt Ion:228 Resp: 863855

Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.9	23.9
226	27.2	22.1	33.1

228 100

229 20.3 15.9 23.9

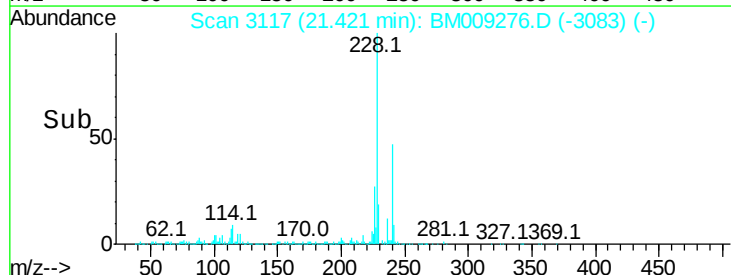
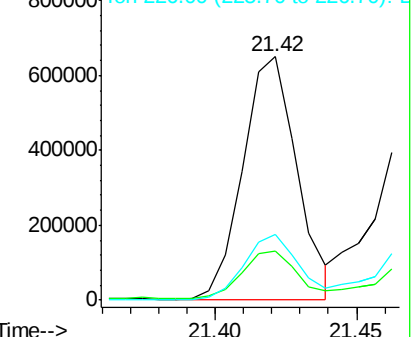
226 27.2 22.1 33.1

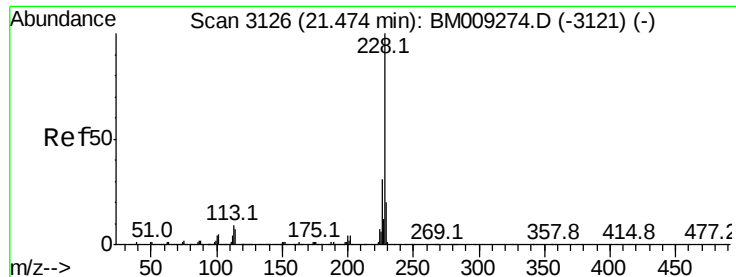


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#22

Chrysene

Concen: 11.49 ng/ul

RT: 21.47 min Scan# 3126

Delta R.T. 0.00 min

Lab File: BM009276.D

Acq: 17 Mar 2017 16:25

Instrument :

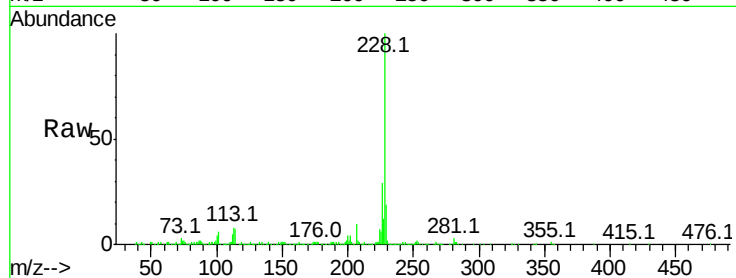
BNA_M

ClientSampleId :

CB2Z7

Tot Ion:228 Resp: 944936

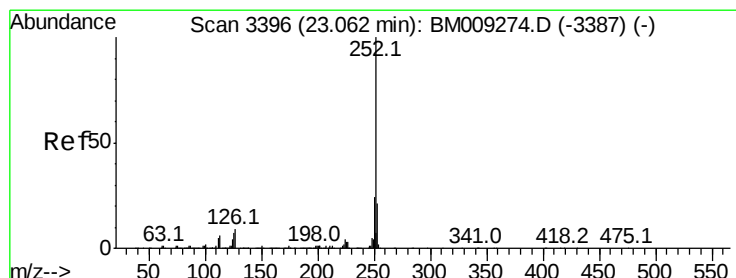
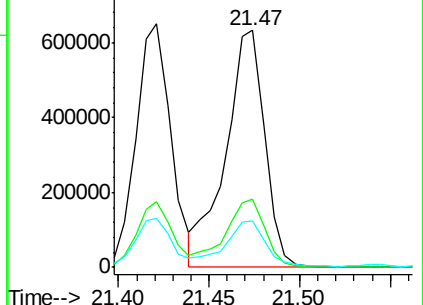
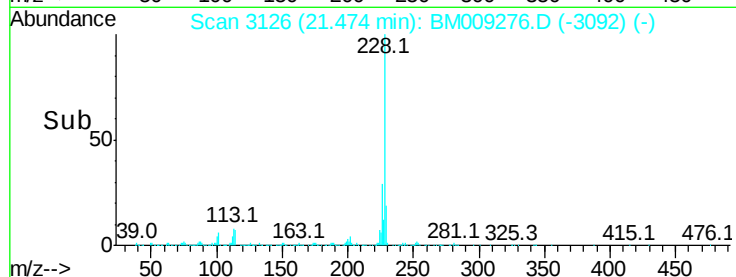
Ion	Ratio	Lower	Upper
228	100		
226	28.9	25.0	37.6
229	19.4	16.6	25.0



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: 12.11 ng/ul

RT: 23.06 min Scan# 3396

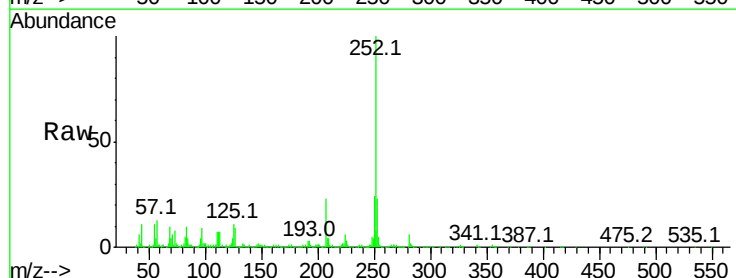
Delta R.T. 0.00 min

Lab File: BM009276.D

Acq: 17 Mar 2017 16:25

Tgt Ion:252 Resp: 1151272

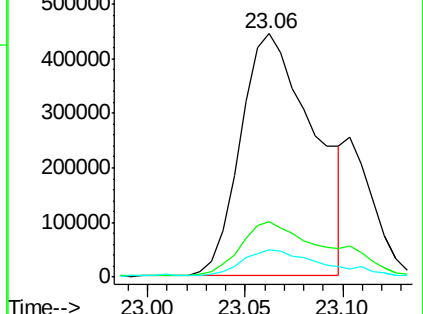
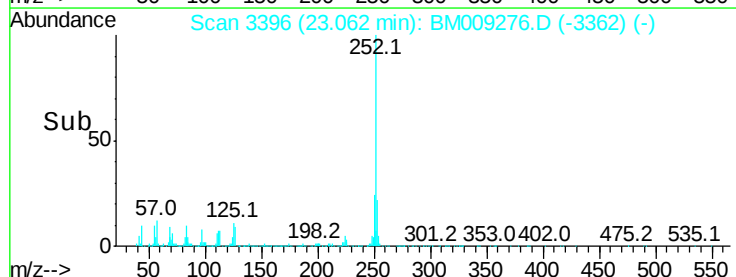
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	11.3	9.4	14.0

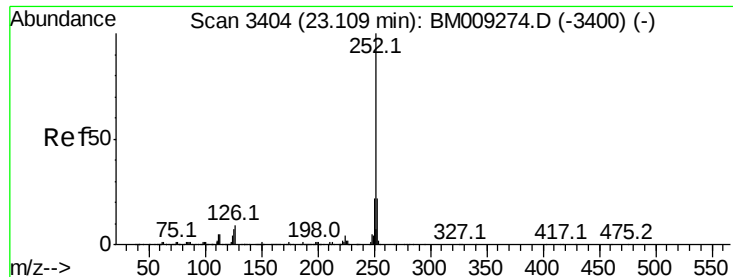


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 12.84 ng/ul

RT: 23.06 min Scan# 3396

Delta R.T. -0.05 min

Lab File: BM009276.D

Acq: 17 Mar 2017 16:25

Instrument :

BNA_M

ClientSampleId :

CB2Z7

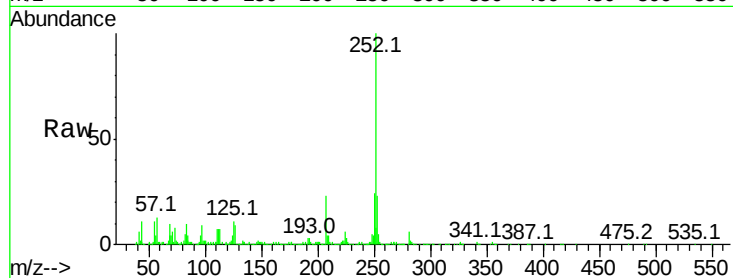
Tot Ion:252 Resp: 1151272

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

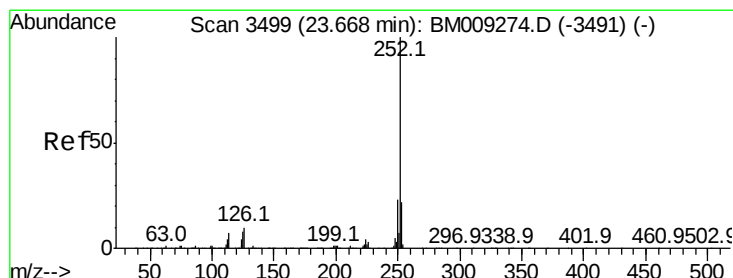
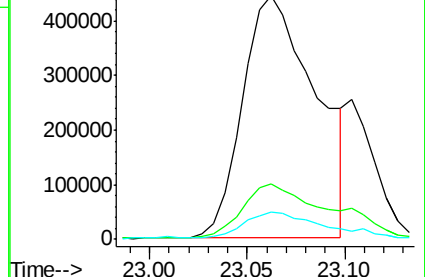
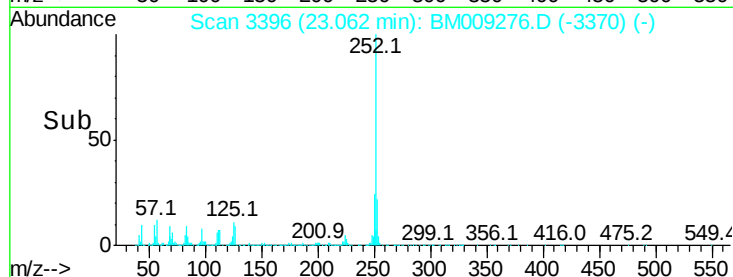
125 11.3 8.8 13.2



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: 7.44 ng/ul

RT: 23.66 min Scan# 3498

Delta R.T. -0.01 min

Lab File: BM009276.D

Acq: 17 Mar 2017 16:25

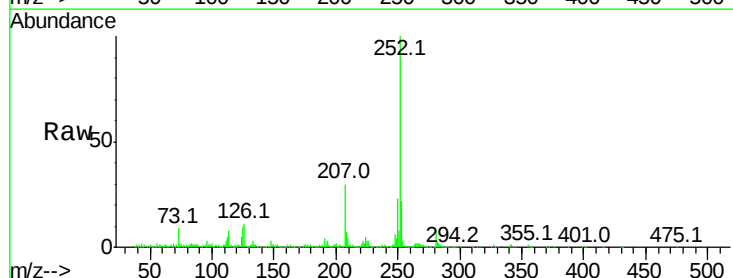
Tgt Ion:252 Resp: 680394

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

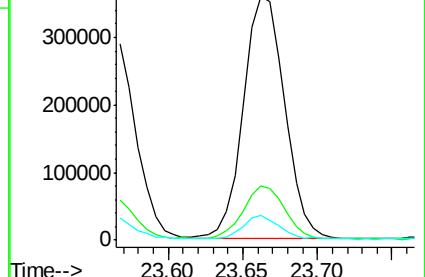
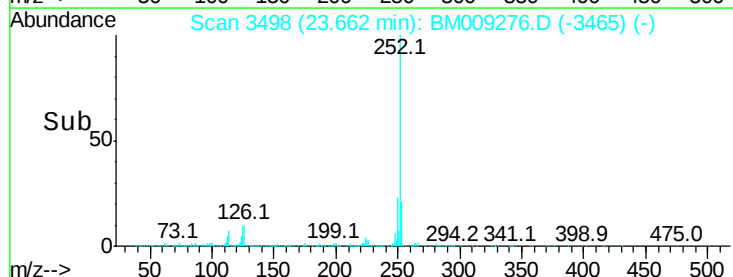
125 10.4 9.4 14.2

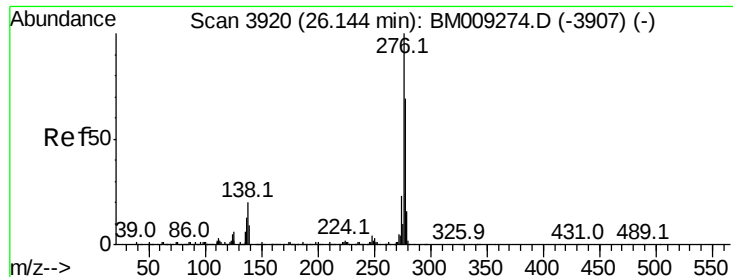


Abundance Ion 252.00 (251.70 to 252.70): E

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: 4.17 ng/ul

RT: 26.14 min Scan# 3919

Delta R.T. -0.01 min

Lab File: BM009276.D

Acq: 17 Mar 2017 16:25

Instrument :

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CB2Z7

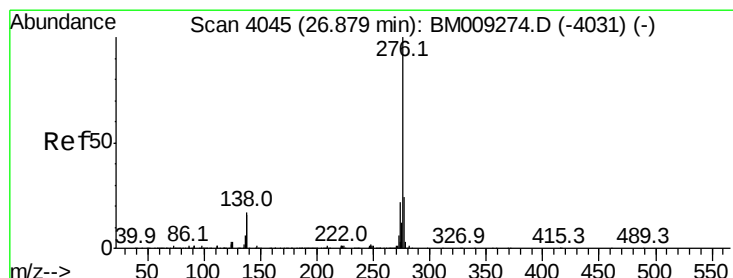
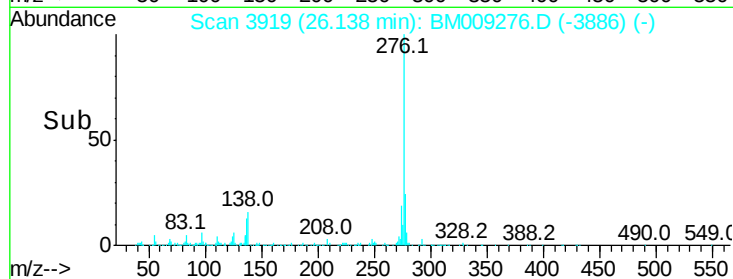
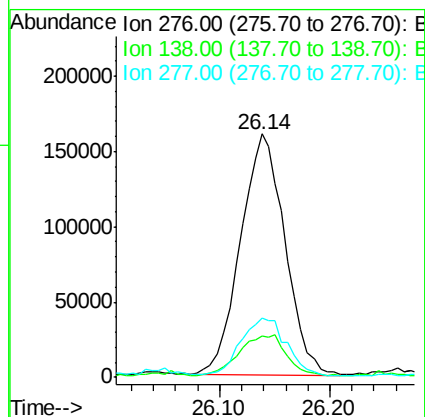
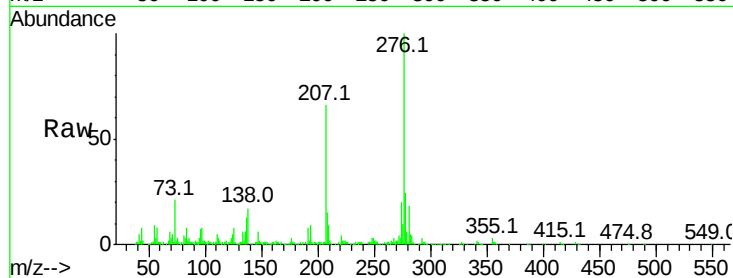
Tot Ion:276 Resp: 453387

Ion Ratio Lower Upper

276 100

138 16.8 17.8 26.6#

277 24.3 19.4 29.0



#30

Benzo(g,h,i)perylene

Concen: 4.38 ng/ul

RT: 26.87 min Scan# 4044

Delta R.T. -0.01 min

Lab File: BM009276.D

Acq: 17 Mar 2017 16:25

Tgt Ion:276 Resp: 395866

Ion Ratio Lower Upper

276 100

138 13.6 19.0 28.4#

277 21.9 19.7 29.5

