

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
 Data File : BM012920.D
 Acq On : 12 Nov 2017 01:55
 Operator : SJ/JU
 Sample : I6319-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 13 02:11:21 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

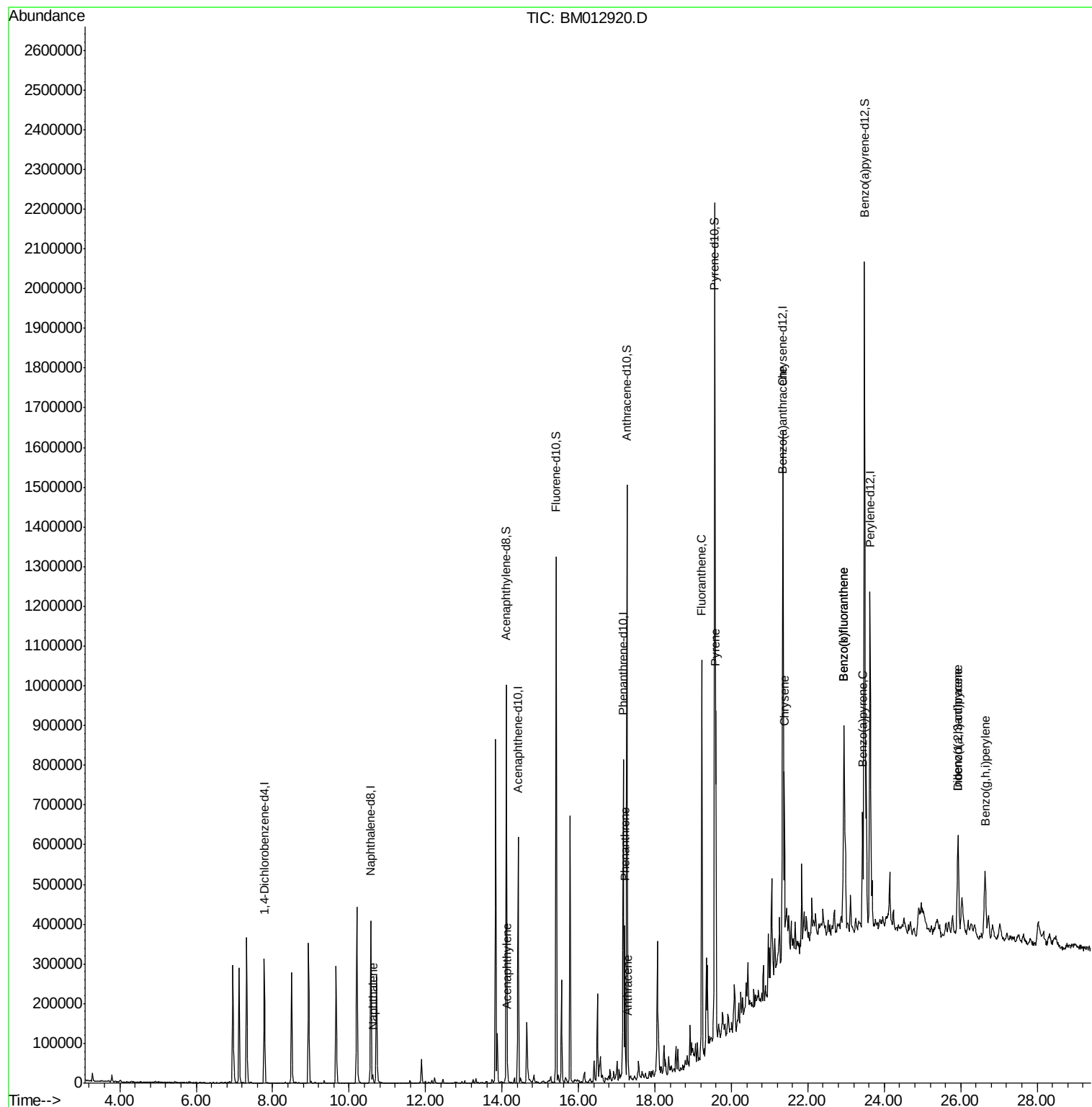
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	89883	20.00	ng/ul	0.00
2) Naphthalene-d8	10.57	136	341459	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.42	164	199983	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.17	188	462480	20.00	ng/ul	0.00
17) Chrysene-d12	21.35	240	566602	20.00	ng/ul	0.00
22) Perylene-d12	23.63	264	645924	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.12	160	739591	35.56	ng/ul	0.00
10) Fluorene-d10	15.42	176	525662	36.95	ng/ul	0.00
14) Anthracene-d10	17.27	188	838396	37.50	ng/ul	0.00
18) Pyrene-d10	19.56	212	966452	38.12	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.49	264	1181933	38.76	ng/ul	0.00
Target Compounds						
					Ovalue	
3) Naphthalene	10.62	128	17378	1.01	ng/ul	99
8) Acenaphthylene	14.15	152	27150	1.34	ng/ul	97
13) Phenanthrene	17.21	178	230484	9.02	ng/ul	99
15) Anthracene	17.30	178	28814	1.09	ng/ul	97
16) Fluoranthene	19.23	202	567227	18.05	ng/ul#	92
19) Pyrene	19.59	202	473828	14.57	ng/ul#	93
20) Benzo(a)anthracene	21.34	228	265438	7.61	ng/ul	96
21) Chrysene	21.39	228	263782	8.47	ng/ul	98
23) Benzo(b)fluoranthene	22.94	252	592942	15.44	ng/ul#	98
24) Benzo(k)fluoranthene	22.94	252	590954	16.10	ng/ul#	98
26) Benzo(a)pyrene	23.43	252	226464	6.08	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.93	276	245605	5.11	ng/ul	94
28) Dibenzo(a,h)anthracene	25.93	278	61715	1.53	ng/ul#	89
29) Benzo(a,h,i)perylene	26.64	276	208385	5.20	ng/ul#	94

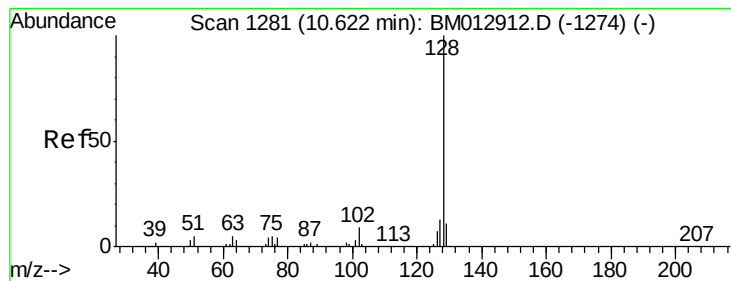
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.01 ng/ul

RT: 10.62 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BM012920.D

Acq: 12 Nov 2017 01:55

Instrument :

BNA_M

ClientSampled :

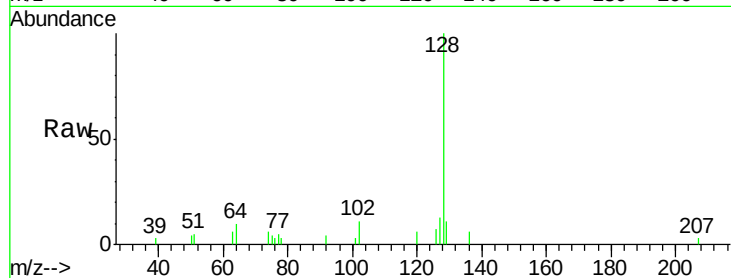
Tot Ion:128 Resp: 17378

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

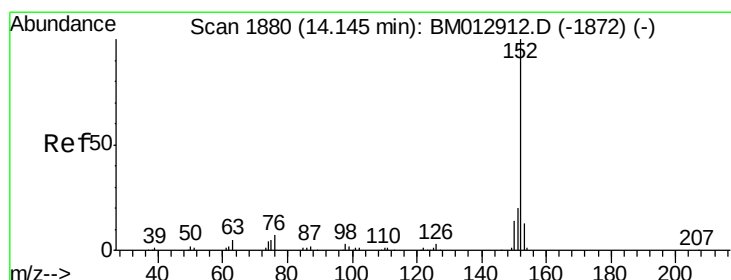
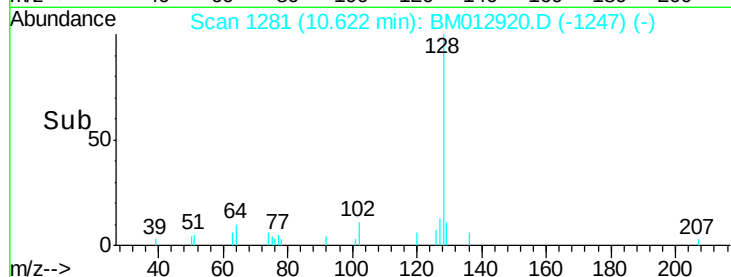
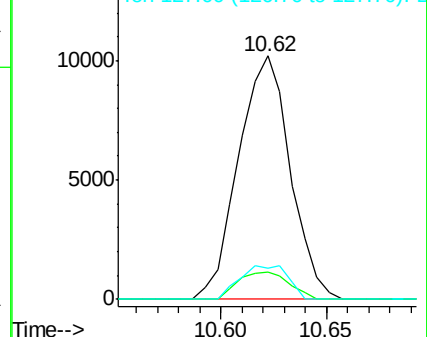
127 12.9 10.6 16.0



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



#8

Acenaphthylene

Concen: 1.34 ng/ul

RT: 14.15 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BM012920.D

Acq: 12 Nov 2017 01:55

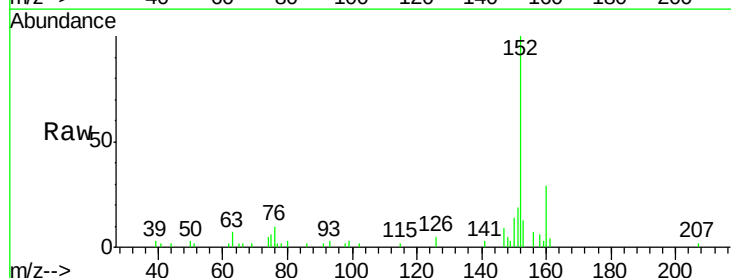
Tgt Ion:152 Resp: 27150

Ion Ratio Lower Upper

152 100

151 18.7 16.7 25.1

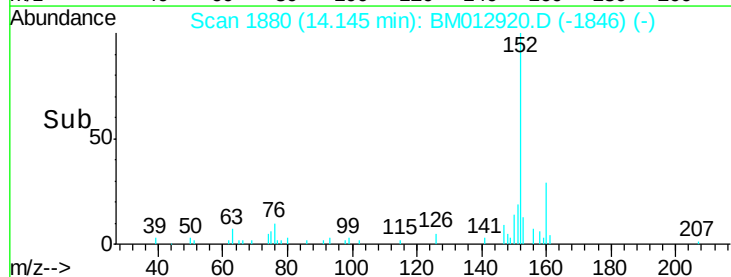
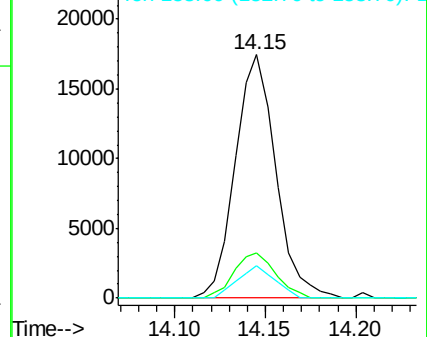
153 13.2 10.2 15.4

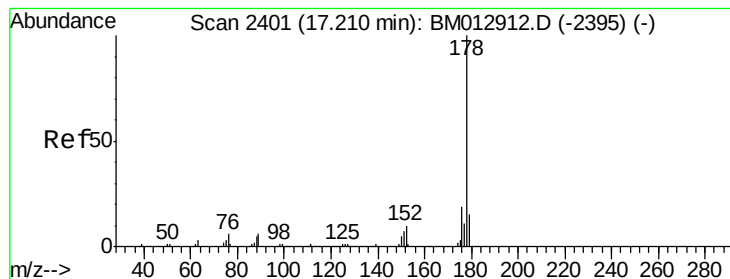


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#13

Phenanthrene

Concen: 9.02 ng/ul

RT: 17.21 min Scan# 2401

Delta R.T. 0.00 min

Lab File: BM012920.D

Acq: 12 Nov 2017 01:55

Instrument :

BNA_M

ClientSampleId :

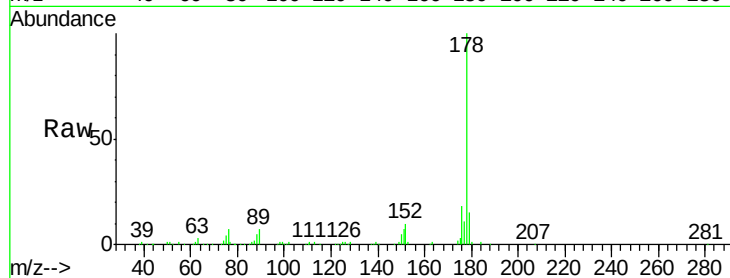
Tot Ion:178 Resp: 230484

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

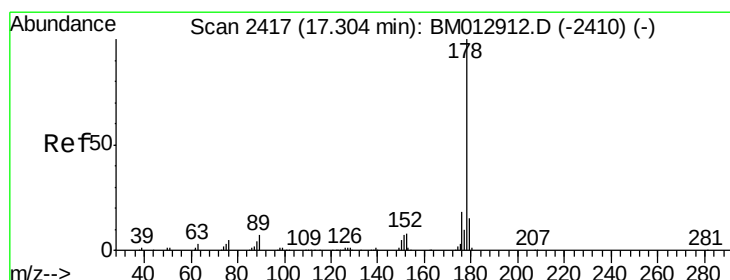
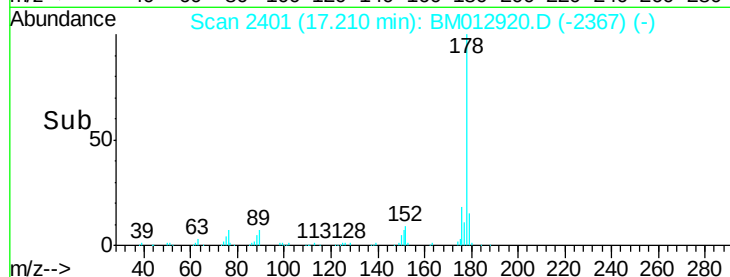
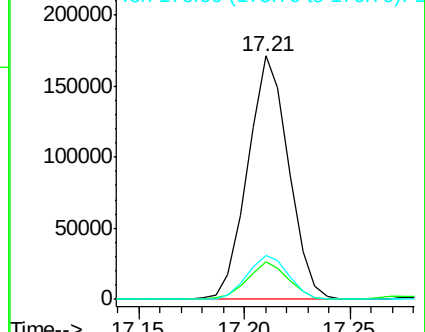
176 18.2 15.1 22.7



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: 1.09 ng/ul

RT: 17.30 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BM012920.D

Acq: 12 Nov 2017 01:55

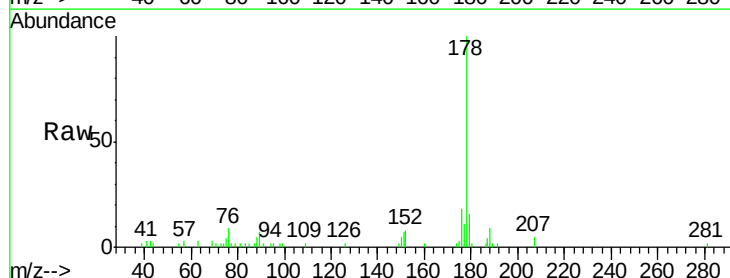
Tgt Ion:178 Resp: 28814

Ion Ratio Lower Upper

178 100

179 16.1 11.8 17.8

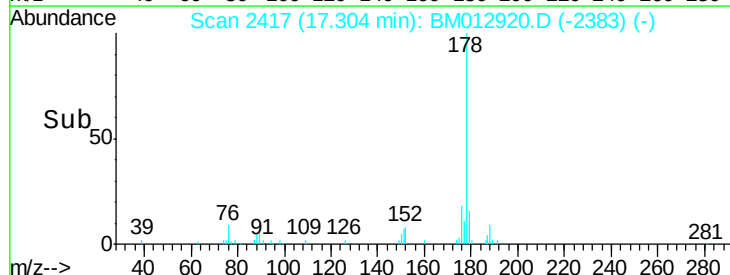
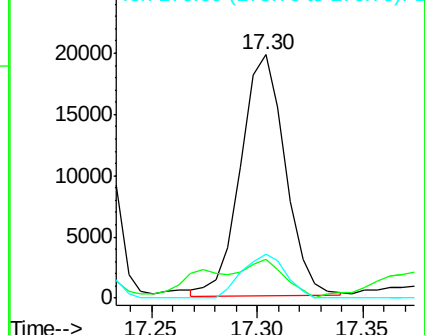
176 17.9 15.2 22.8

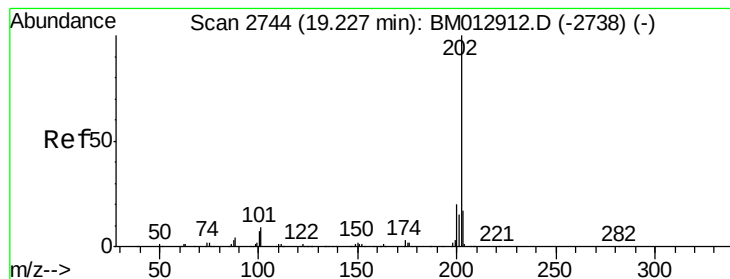


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 18.05 ng/ul

RT: 19.23 min Scan# 2744

Delta R.T. 0.00 min

Lab File: BM012920.D

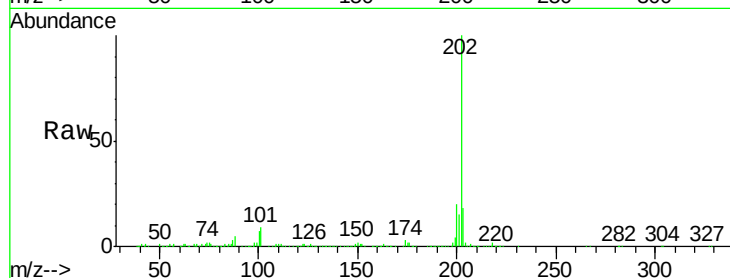
Acq: 12 Nov 2017 01:55

Instrument :

BNA_M

ClientSampleId :

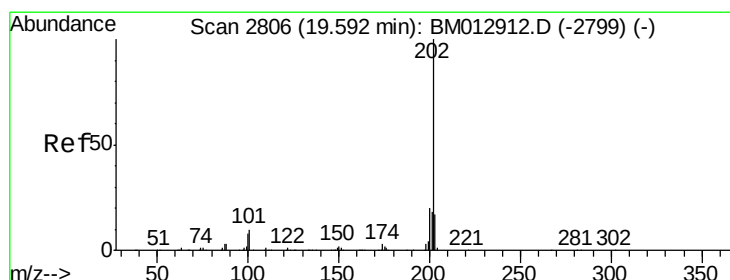
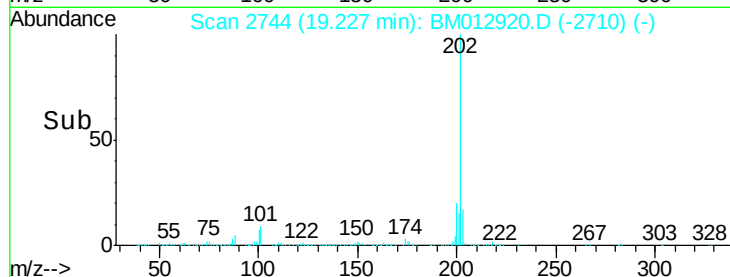
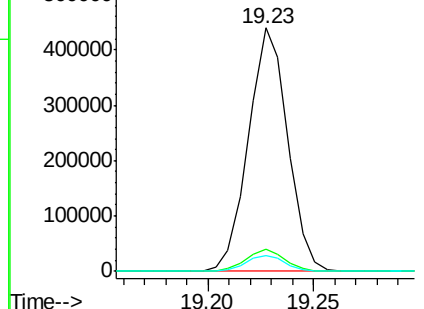
Tot Ion:	202	Resp:	567227
Ion	Ratio	Lower	Upper
202	100		
101	9.0	9.9	14.9#
100	6.6	7.4	11.0#



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



#19

Pyrene

Concen: 14.57 ng/ul

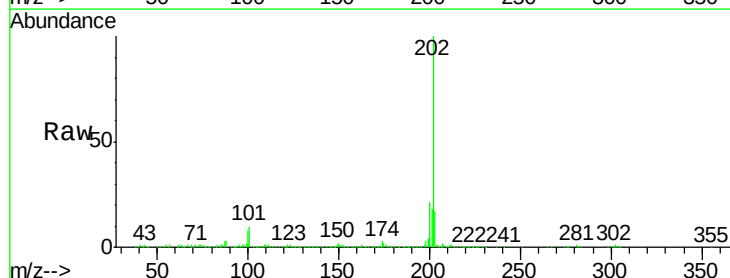
RT: 19.59 min Scan# 2806

Delta R.T. 0.00 min

Lab File: BM012920.D

Acq: 12 Nov 2017 01:55

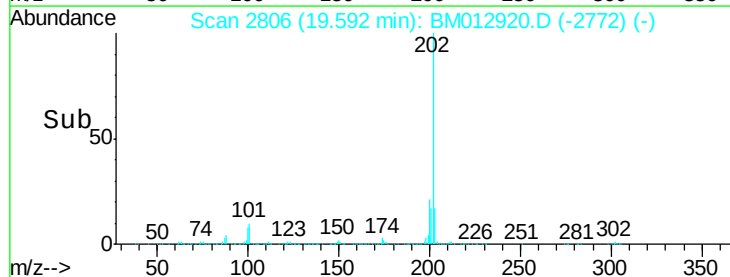
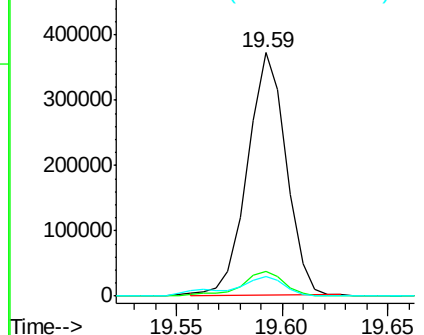
Tgt Ion:	202	Resp:	473828
Ion	Ratio	Lower	Upper
202	100		
101	10.0	11.0	16.4#
100	8.3	8.1	12.1

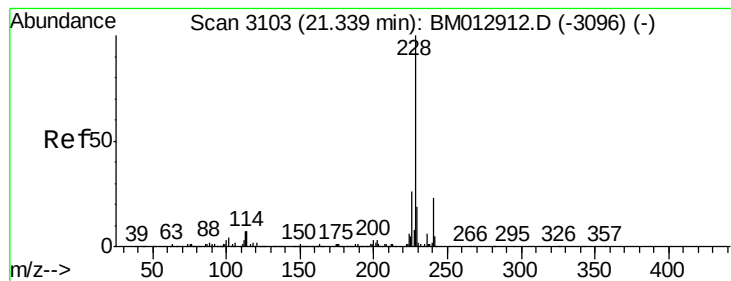


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 7.61 ng/ul

RT: 21.34 min Scan# 3103

Delta R.T. 0.00 min

Lab File: BM012920.D

Acq: 12 Nov 2017 01:55

Instrument :

BNA_M

ClientSampled :

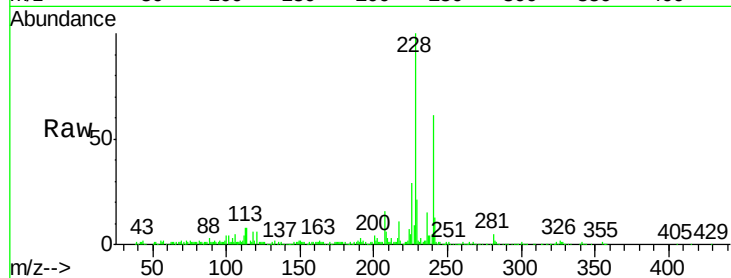
Tot Ion:228 Resp: 265438

Ion Ratio Lower Upper

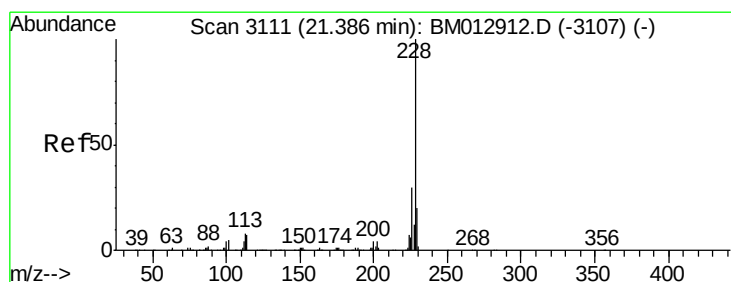
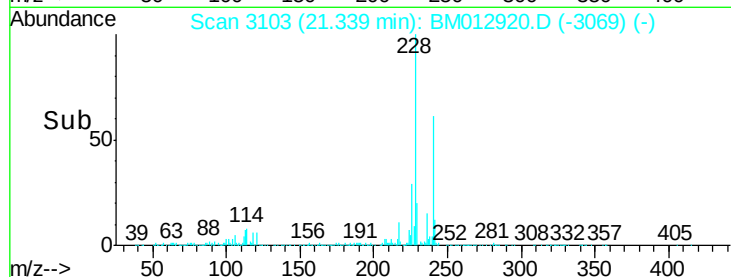
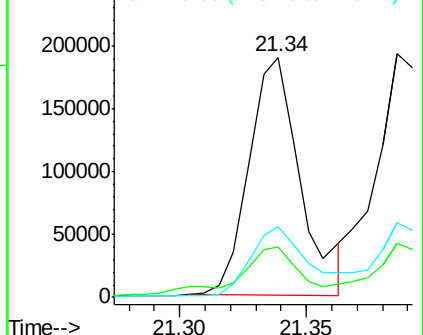
228 100

229 20.9 15.7 23.5

226 29.2 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: 8.47 ng/ul

RT: 21.39 min Scan# 3111

Delta R.T. 0.00 min

Lab File: BM012920.D

Acq: 12 Nov 2017 01:55

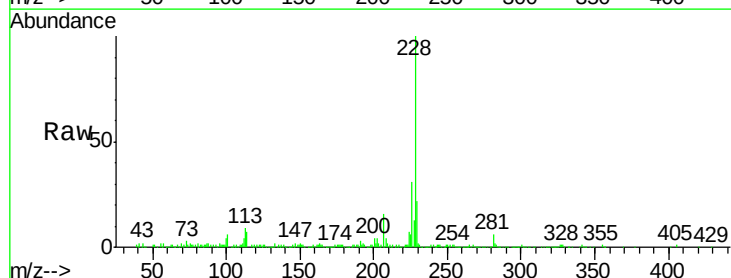
Tgt Ion:228 Resp: 263782

Ion Ratio Lower Upper

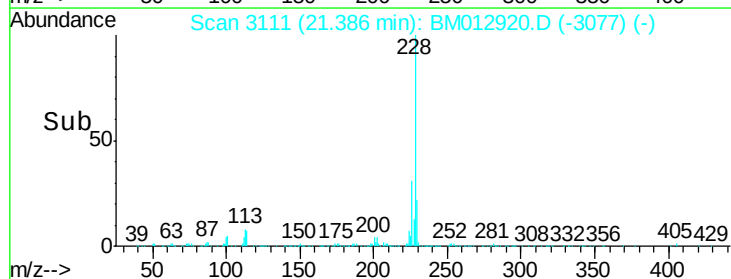
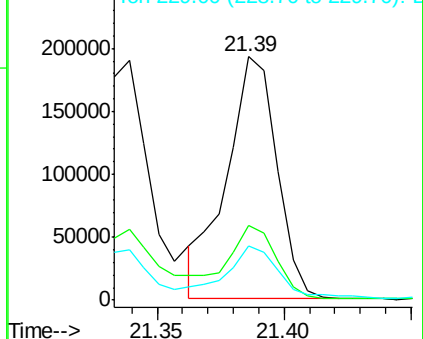
228 100

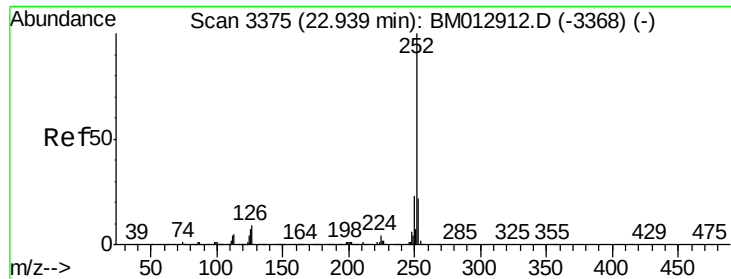
226 30.7 24.5 36.7

229 22.2 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: 15.44 ng/ul

RT: 22.94 min Scan# 3376

Delta R.T. 0.01 min

Lab File: BM012920.D

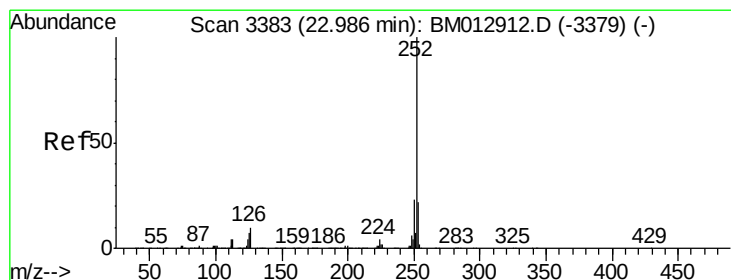
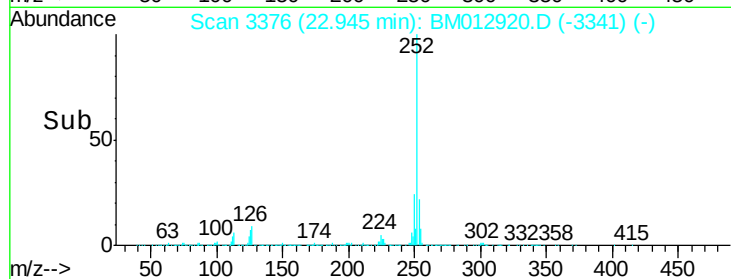
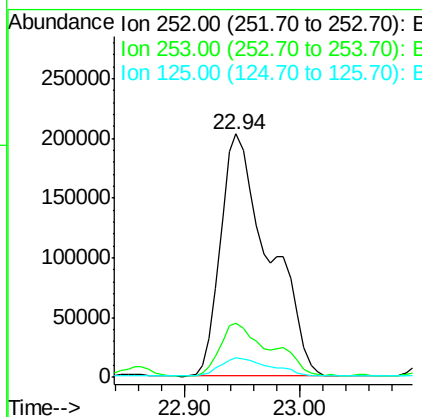
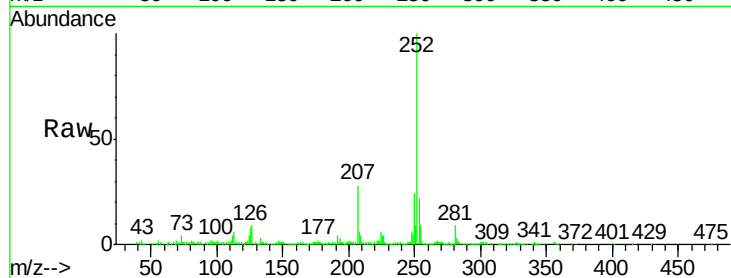
Acq: 12 Nov 2017 01:55

Instrument :

BNA_M

ClientSampled :

Tot Ion:	252	Resp:	592942
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.0	27.0
125	7.9	8.0	12.0#



#24

Benzo(k)fluoranthene

Concen: 16.10 ng/ul

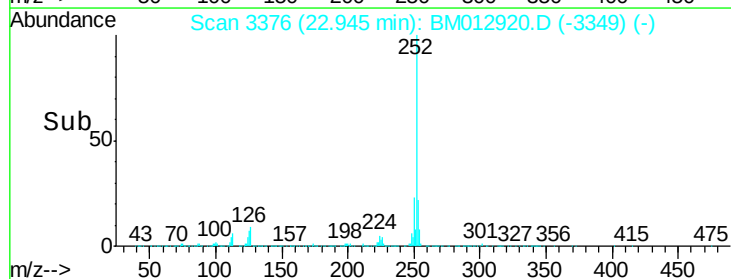
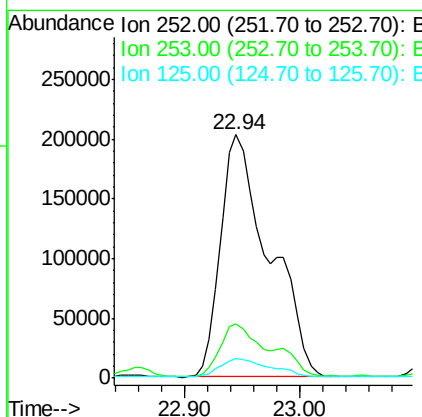
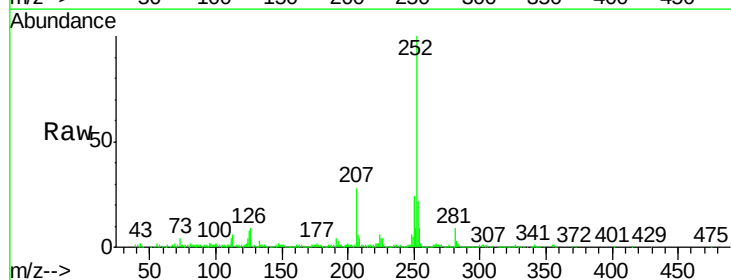
RT: 22.94 min Scan# 3376

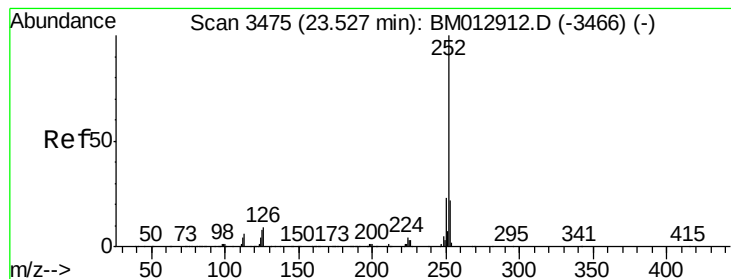
Delta R.T. -0.04 min

Lab File: BM012920.D

Acq: 12 Nov 2017 01:55

Tgt Ion:	252	Resp:	590954
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.0	27.0
125	7.9	8.1	12.1#





#26

Benzo(a)pyrene

Concen: 6.08 ng/ul

RT: 23.43 min Scan# 3459

Delta R.T. -0.09 min

Lab File: BM012920.D

Acq: 12 Nov 2017 01:55

Instrument :

BNA_M

ClientSampleId :

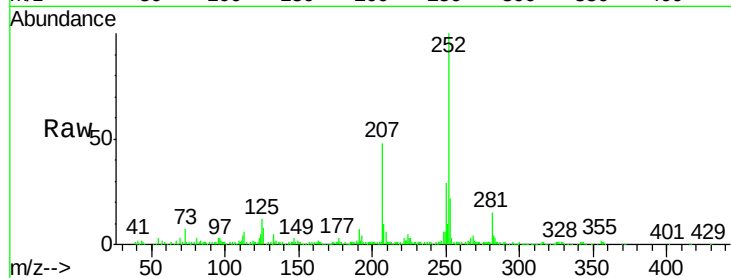
Tot Ion:252 Resp: 226464

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

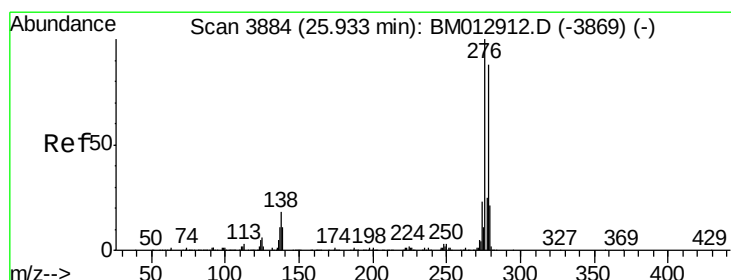
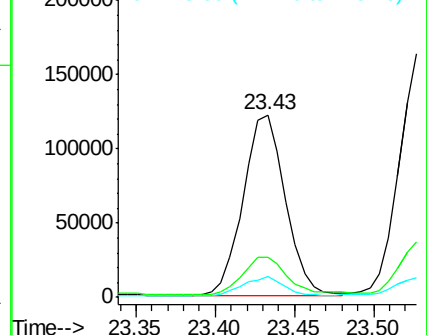
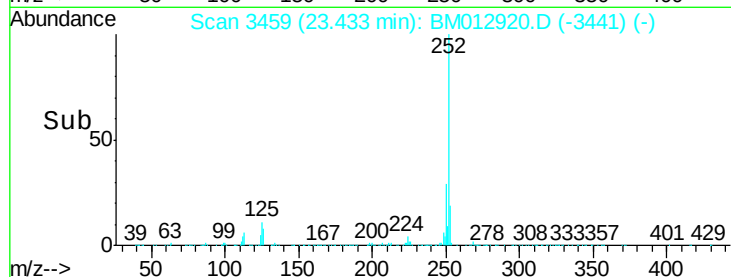
125 11.5 8.2 12.4



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 5.11 ng/ul

RT: 25.93 min Scan# 3883

Delta R.T. -0.01 min

Lab File: BM012920.D

Acq: 12 Nov 2017 01:55

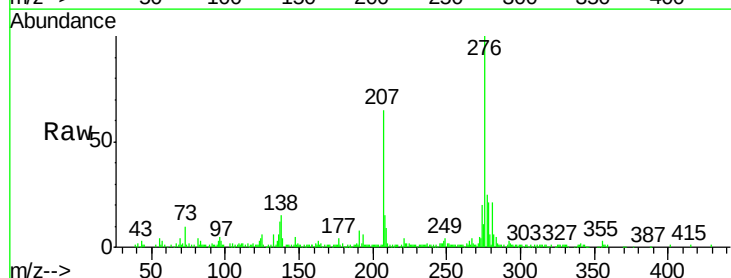
Tgt Ion:276 Resp: 245605

Ion Ratio Lower Upper

276 100

138 14.8 14.4 21.6

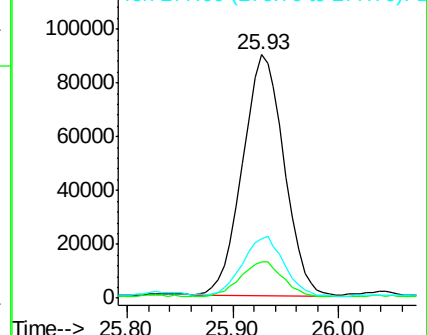
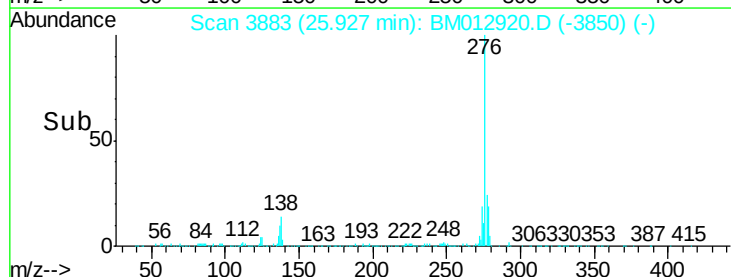
277 24.6 18.0 27.0

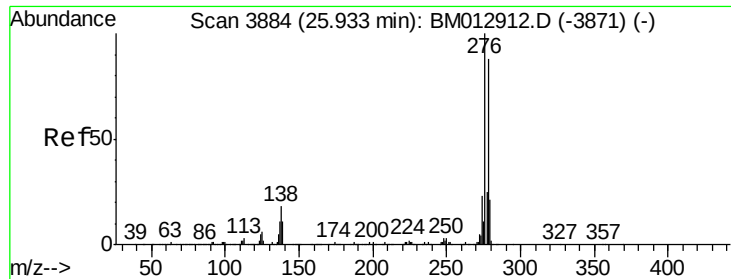


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 1.53 ng/ul

RT: 25.93 min Scan# 3883

Delta R.T. -0.01 min

Lab File: BM012920.D

Acq: 12 Nov 2017 01:55

Instrument :

BNA_M

ClientSampleId :

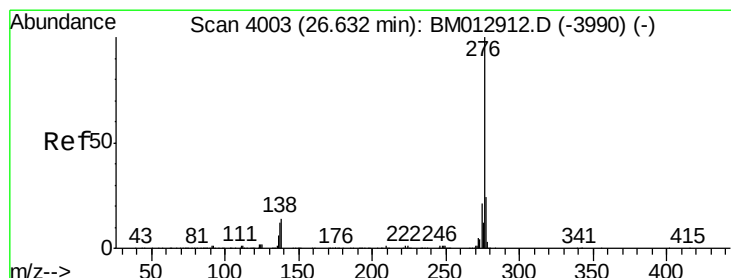
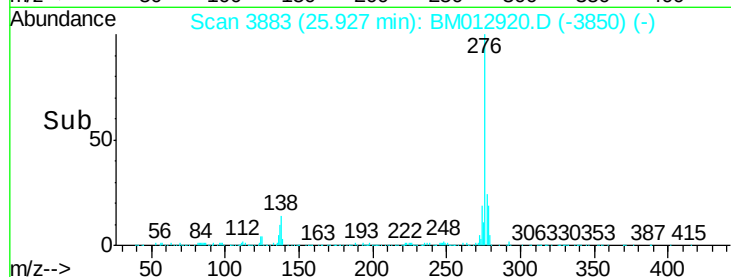
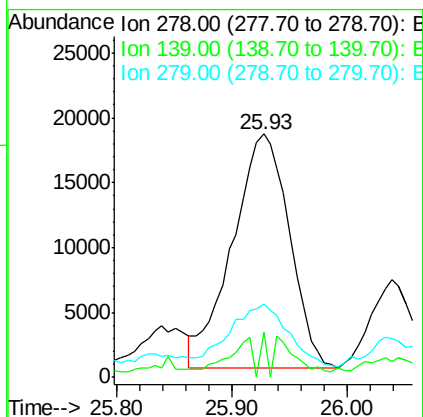
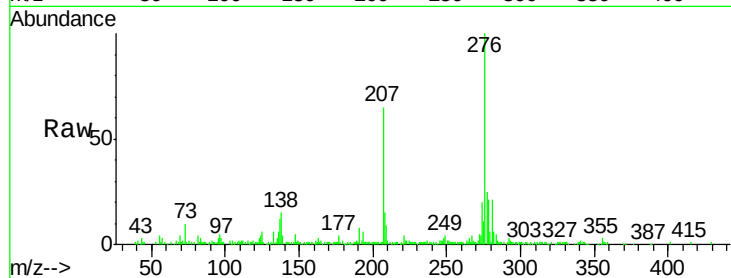
Tot Ion:278 Resp: 61715

Ion Ratio Lower Upper

278 100

139 18.6 12.2 18.4#

279 30.2 19.2 28.8#



#29

Benzo(g,h,i)perylene

Concen: 5.20 ng/ul

RT: 26.64 min Scan# 4004

Delta R.T. 0.01 min

Lab File: BM012920.D

Acq: 12 Nov 2017 01:55

Tgt Ion:276 Resp: 208385

Ion Ratio Lower Upper

276 100

138 15.0 15.3 22.9#

277 25.3 19.0 28.4

