

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
 Data File : BM008246.D
 Acq On : 10 Dec 2016 23:29
 Operator : UM/SJ
 Sample : H5905-20
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 12 03:55:17 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 12 03:51:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	587	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.46	136	2079	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	1299	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	2491	0.40	ng/ul	-0.02
16) Chrysene-d12	21.28	240	2338	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	2163	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.06	152	519	0.18	ng/ul	-0.02
14) Fluoranthene-d10	19.11	212	1671	0.24	ng/ul	-0.01

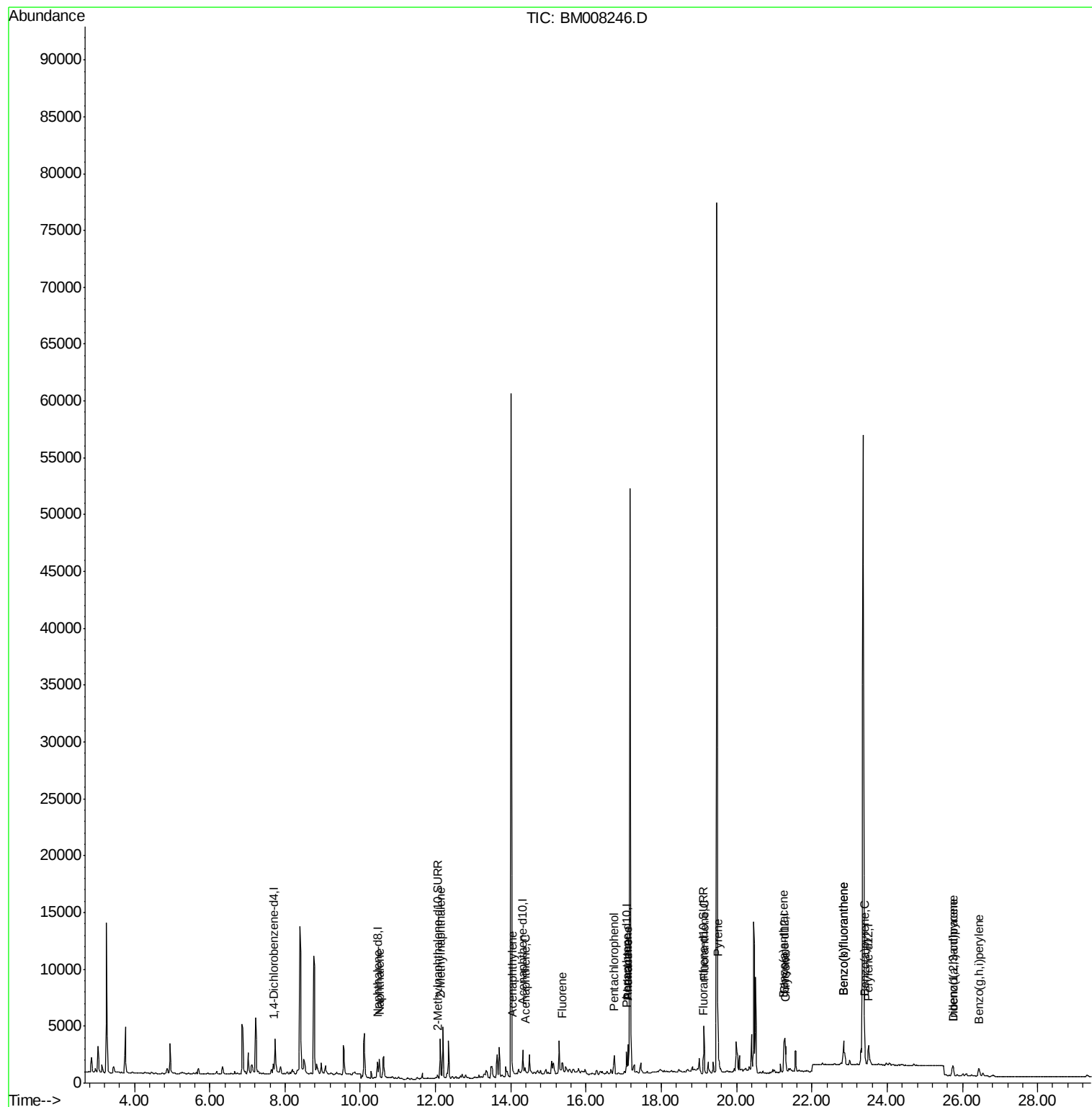
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.51	128	1967	0.34	ng/ul	96
5) 2-Methylnaphthalene	12.13	142	2734	0.73	ng/ul	100
7) Acenaphthylene	14.04	152	451	0.08	ng/ul#	44
8) Acenaphthene	14.38	153	339	0.08	ng/ul#	92
9) Fluorene	15.38	166	852	0.17	ng/ul#	74
11) Pentachlorophenol	16.75	266	50	0.06	ng/ul#	1
12) Phenanthrene	17.11	178	2983	0.38	ng/ul	96
13) Anthracene	17.11	178	2841	0.39	ng/ul	97
15) Fluoranthene	19.14	202	4228	0.42	ng/ul	93
17) Pyrene	19.50	202	4250	0.52	ng/ul	96
18) Benzo(a)anthracene	21.26	228	2327	0.32	ng/ul#	85
19) Chrysene	21.31	228	2260	0.25	ng/ul#	85
21) Benzo(b)fluoranthene	22.84	252	4720	0.55	ng/ul	88
22) Benzo(k)fluoranthene	22.84	252	4720	0.53	ng/ul#	85
23) Benzo(a)pyrene	23.40	252	2193	0.27	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.75	276	1528	0.15	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.75	278	475	0.06	ng/ul#	4
26) Benzo(g,h,i)perylene	26.44	276	1549	0.17	ng/ul#	88

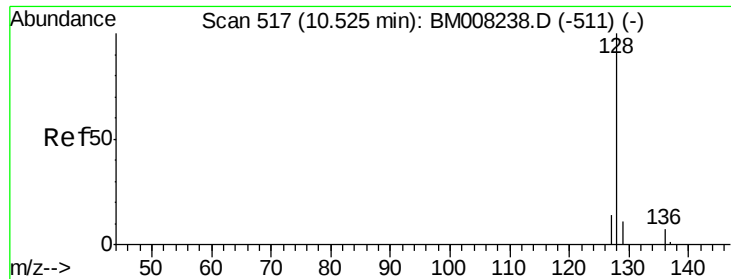
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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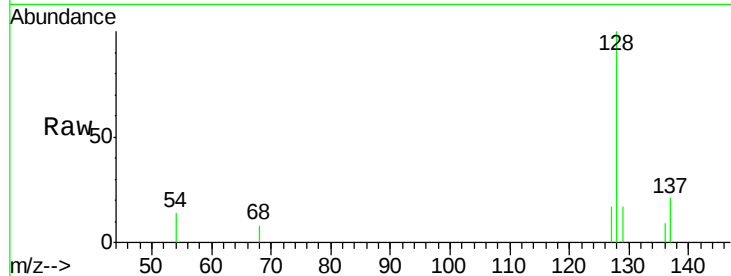




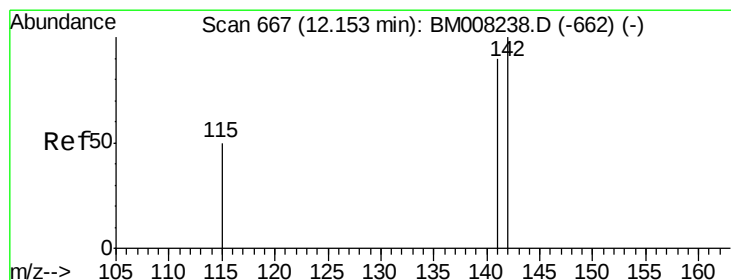
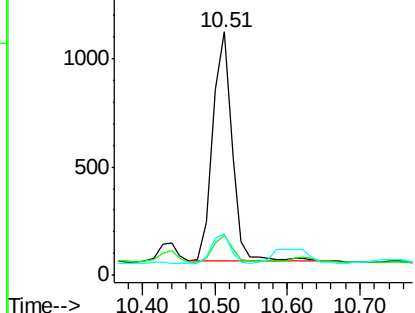
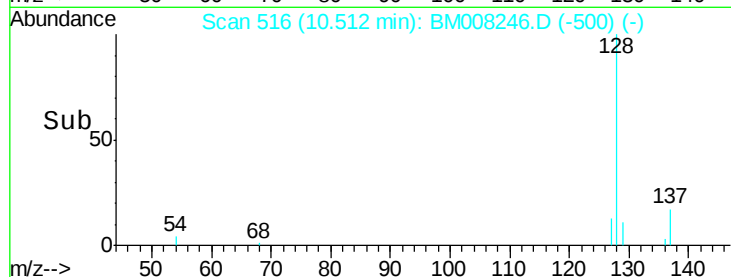
#3
Naphthalene
Concen: 0.34 ng/ul
RT: 10.51 min Scan# 516
Delta R.T. -0.01 min
Lab File: BM008246.D
Acq: 10 Dec 2016 23:29

Instrument :
BNA_M
ClientSampleId :

Tot Ion:128 Resp: 1967
Ion Ratio Lower Upper
128 100
129 16.6 11.3 16.9
127 16.9 12.8 19.2

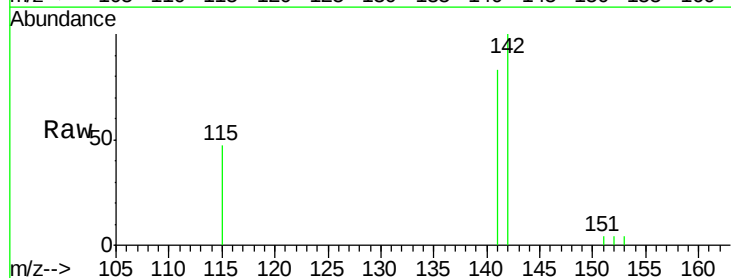


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

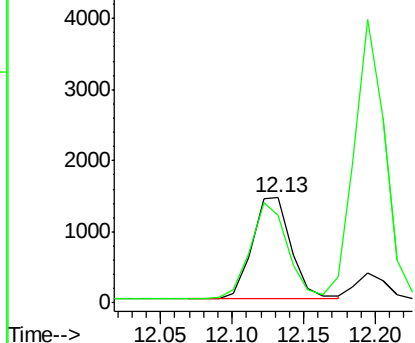
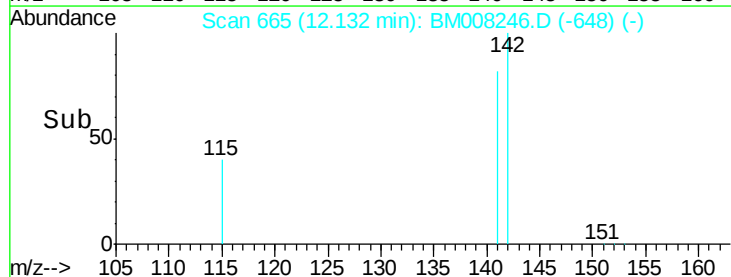


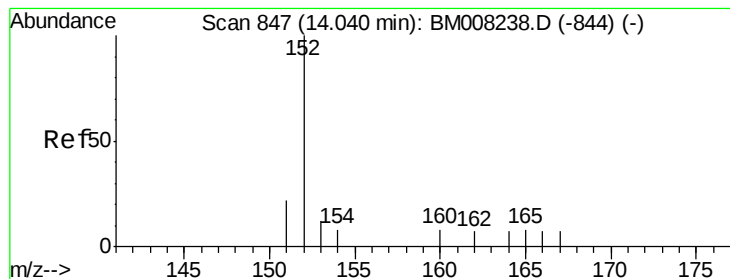
#5
2-Methylnaphthalene
Concen: 0.73 ng/ul
RT: 12.13 min Scan# 665
Delta R.T. -0.02 min
Lab File: BM008246.D
Acq: 10 Dec 2016 23:29

Tgt Ion:142 Resp: 2734
Ion Ratio Lower Upper
142 100
141 90.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.08 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM008246.D

Acq: 10 Dec 2016 23:29

Instrument :

BNA_M

ClientSampleId :

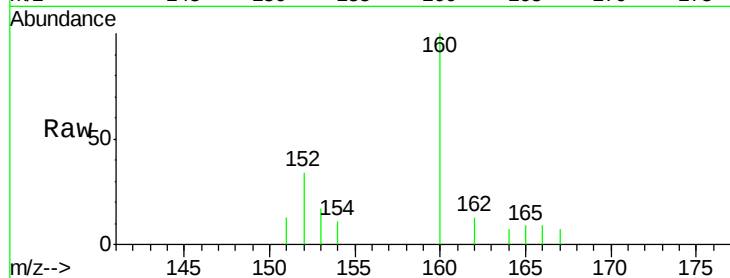
Tot Ion:152 Resp: 451

Ion Ratio Lower Upper

152 100

151 39.2 17.1 25.7#

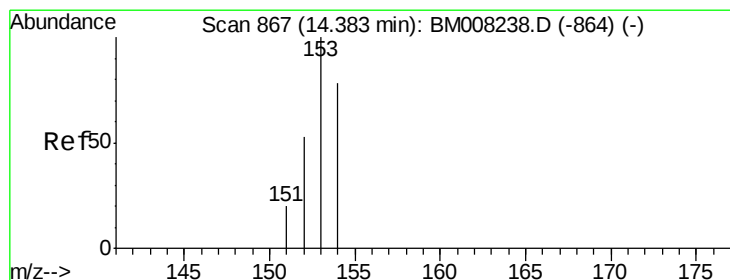
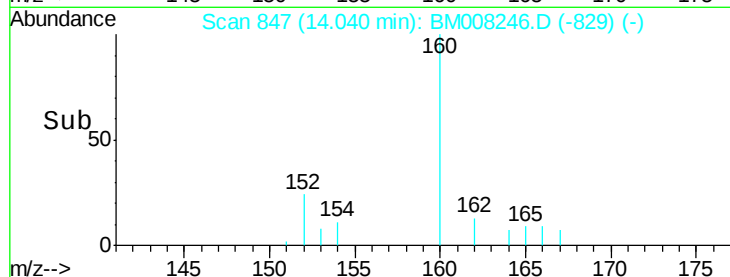
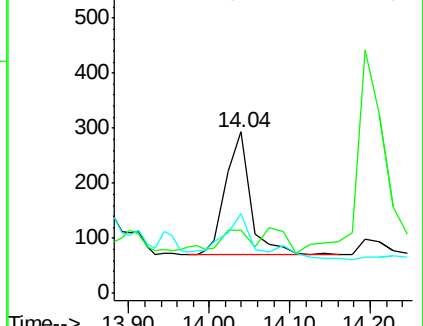
153 49.8 12.8 19.2#



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



#8

Acenaphthene

Concen: 0.08 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM008246.D

Acq: 10 Dec 2016 23:29

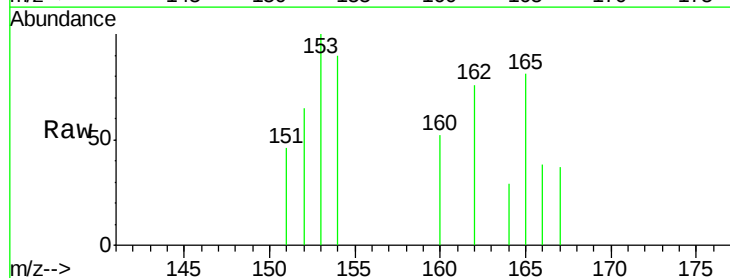
Tgt Ion:153 Resp: 339

Ion Ratio Lower Upper

153 100

152 65.2 40.3 60.5#

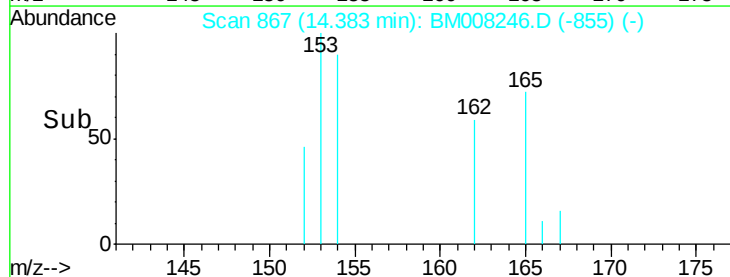
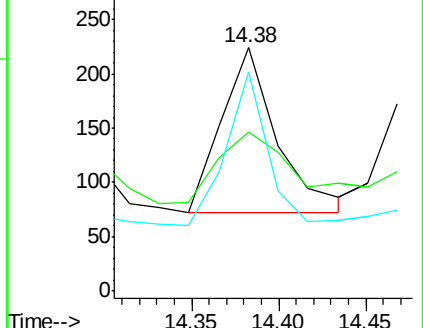
154 90.2 71.4 107.2

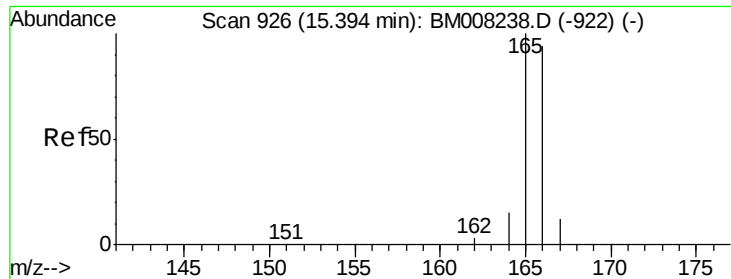


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.17 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM008246.D

Acq: 10 Dec 2016 23:29

Instrument :

BNA_M

ClientSampleId :

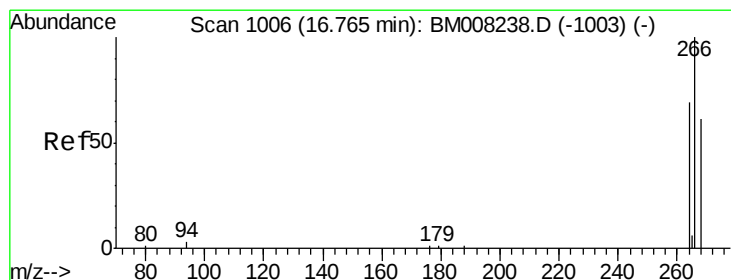
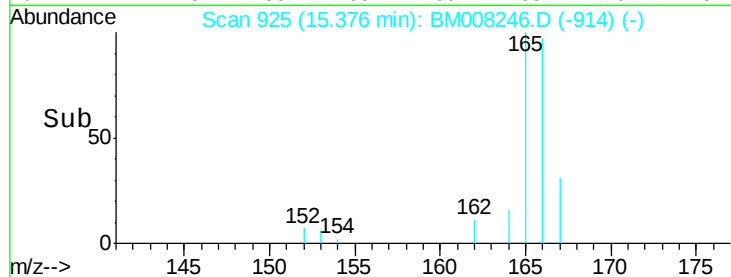
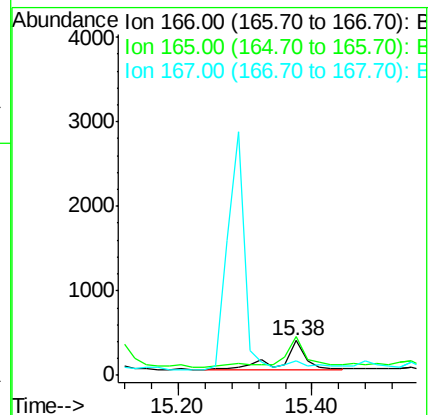
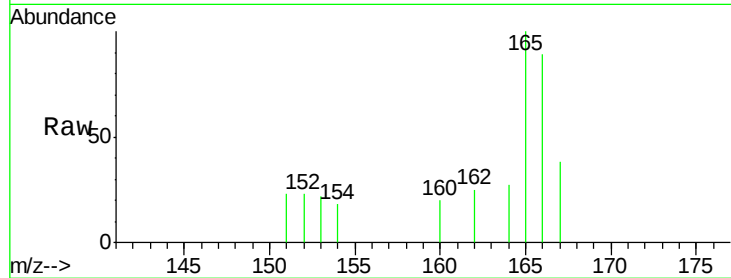
Tot Ion:166 Resp: 852

Ion Ratio Lower Upper

166 100

165 111.9 73.4 110.2#

167 42.0 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.06 ng/ul

RT: 16.75 min Scan# 1005

Delta R.T. -0.02 min

Lab File: BM008246.D

Acq: 10 Dec 2016 23:29

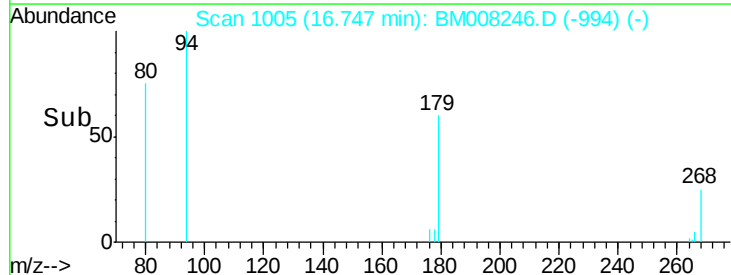
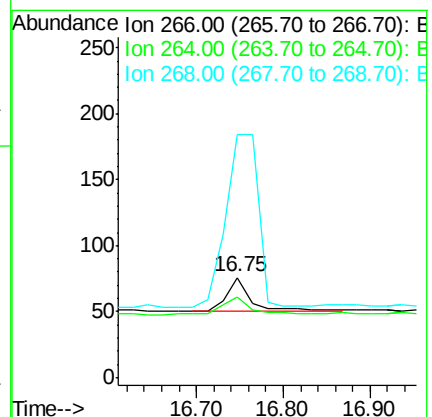
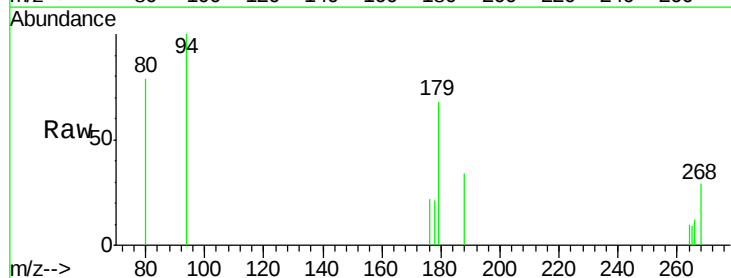
Tgt Ion:266 Resp: 50

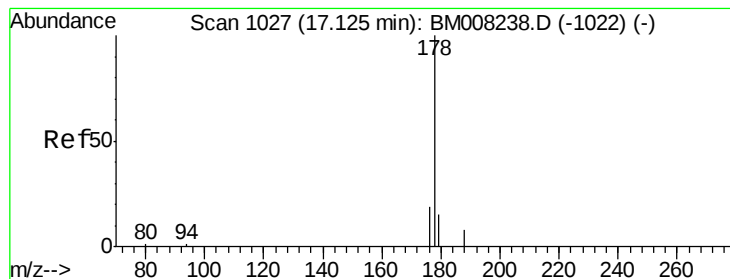
Ion Ratio Lower Upper

266 100

264 72.0 47.9 71.9#

268 680.0 49.8 74.8#





#12

Phenanthrene

Concen: 0.38 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BM008246.D

Acq: 10 Dec 2016 23:29

Instrument :

BNA_M

ClientSampleId :

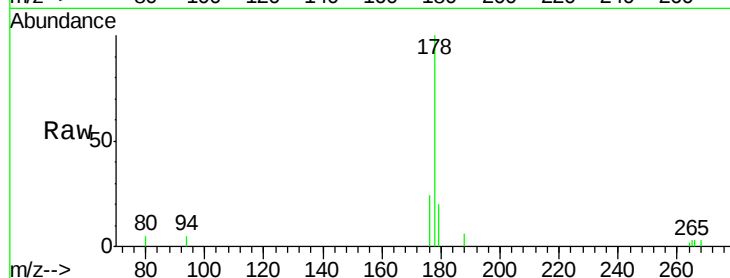
Tot Ion:178 Resp: 2983

Ion Ratio Lower Upper

178 100

176 23.9 18.4 27.6

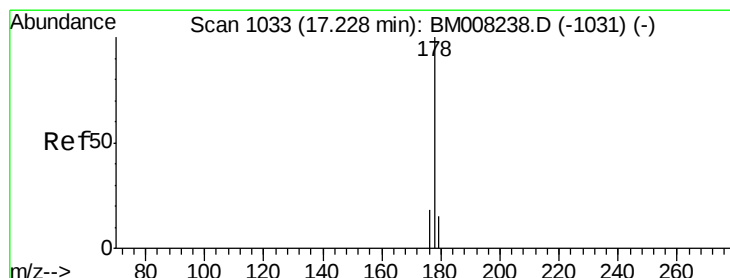
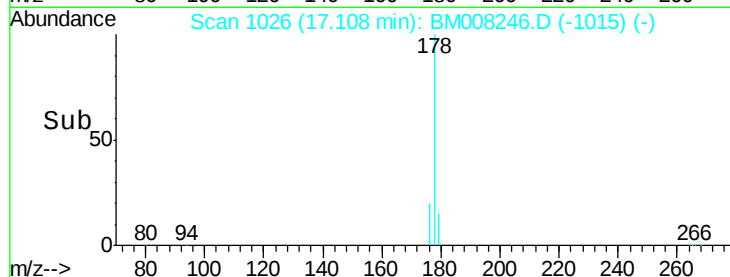
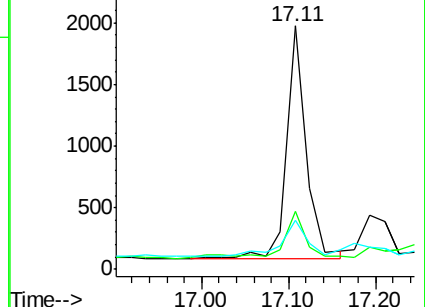
179 20.1 13.6 20.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#13

Anthracene

Concen: 0.39 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.12 min

Lab File: BM008246.D

Acq: 10 Dec 2016 23:29

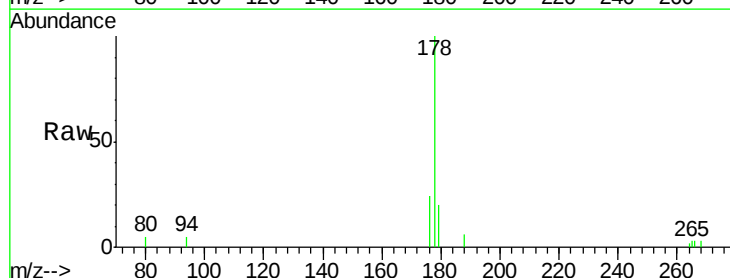
Tgt Ion:178 Resp: 2841

Ion Ratio Lower Upper

178 100

176 23.9 18.1 27.1

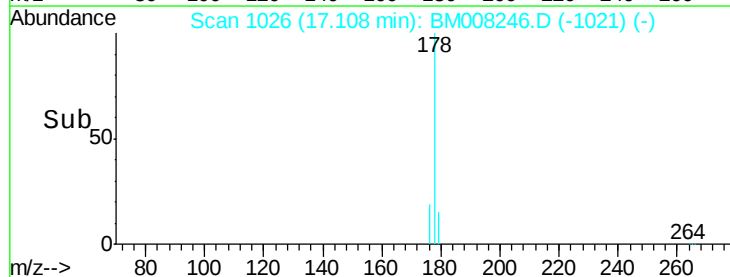
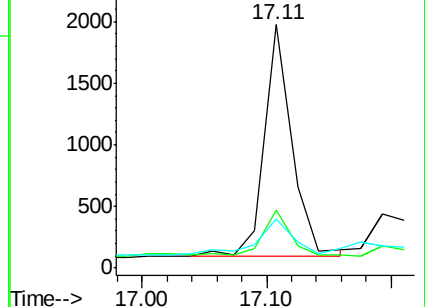
179 20.1 14.7 22.1

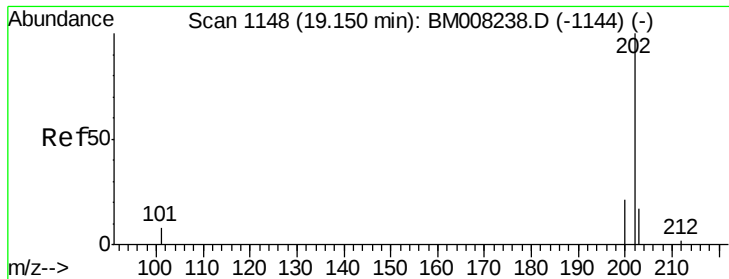


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

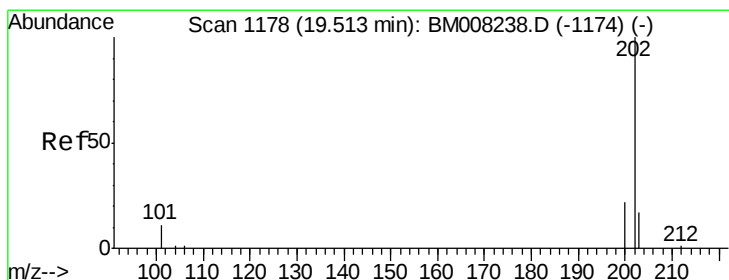
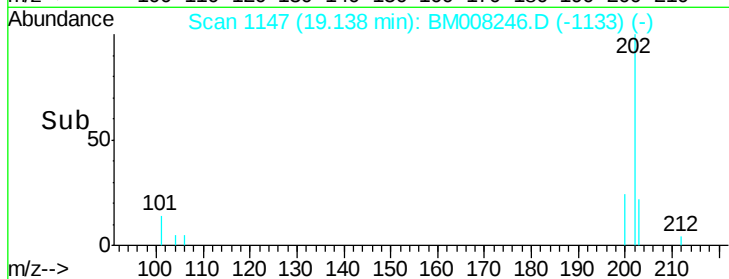
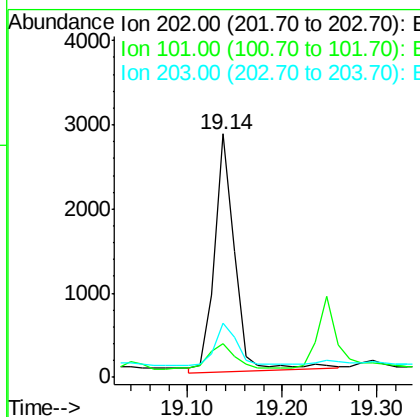
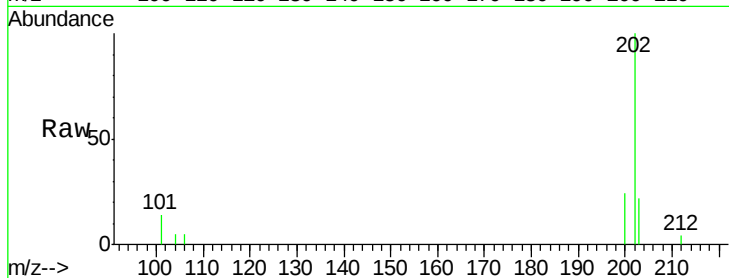




#15
Fluoranthene
 Concen: 0.42 ng/ul
 RT: 19.14 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BM008246.D
 Acq: 10 Dec 2016 23:29

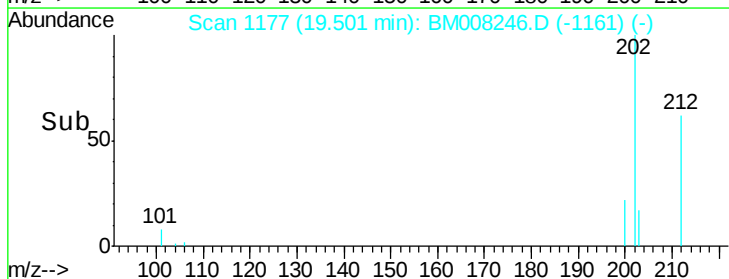
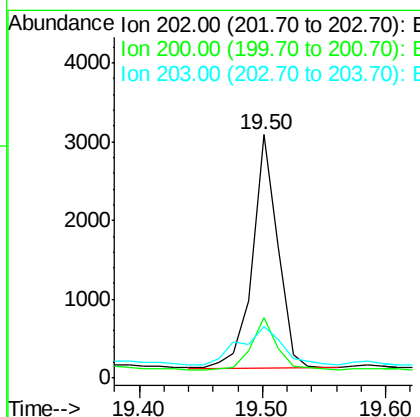
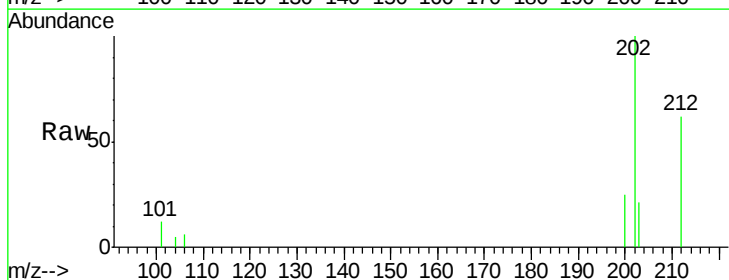
Instrument :
 BNA_M
 ClientSampleId :

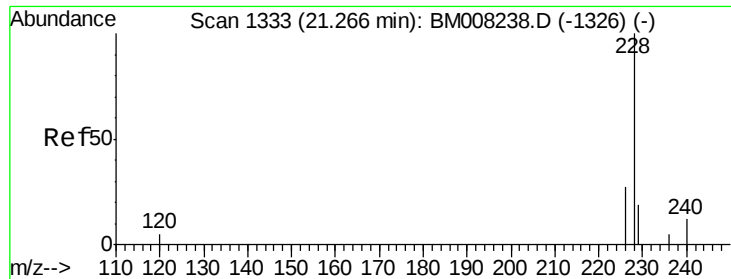
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	30.3
203	22.3	0.0	39.5



#17
Pyrene
 Concen: 0.52 ng/ul
 RT: 19.50 min Scan# 1177
 Delta R.T. -0.01 min
 Lab File: BM008246.D
 Acq: 10 Dec 2016 23:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	24.8	18.2	27.4
203	21.3	15.6	23.4





#18

Benzo(a)anthracene

Concen: 0.32 ng/ul

RT: 21.26 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BM008246.D

Acq: 10 Dec 2016 23:29

Instrument :

BNA_M

ClientSampleId :

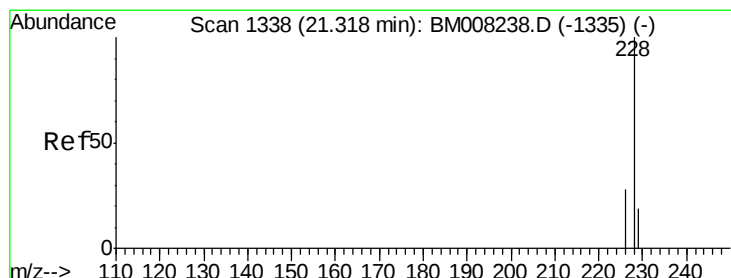
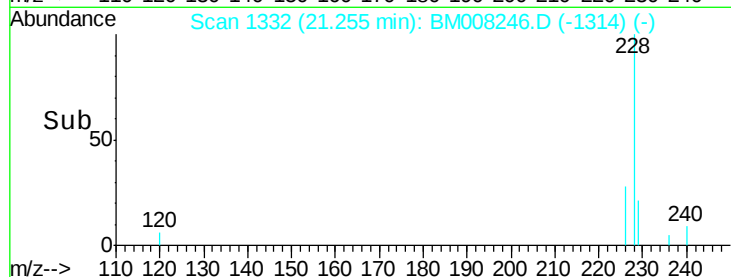
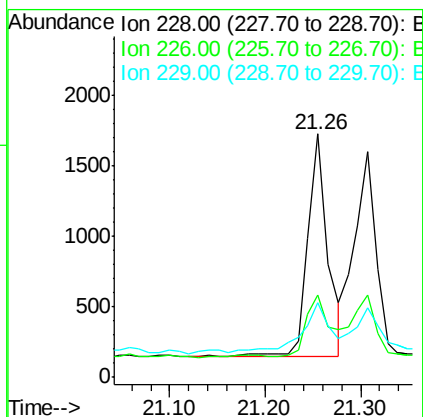
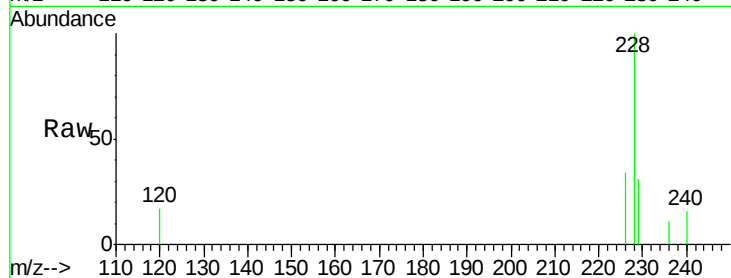
Tot Ion:228 Resp: 2327

Ion Ratio Lower Upper

228 100

226 34.1 22.8 34.2

229 30.7 17.0 25.6#



#19

Chrysene

Concen: 0.25 ng/ul

RT: 21.31 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BM008246.D

Acq: 10 Dec 2016 23:29

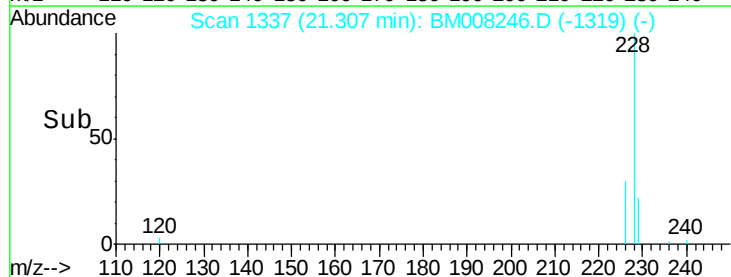
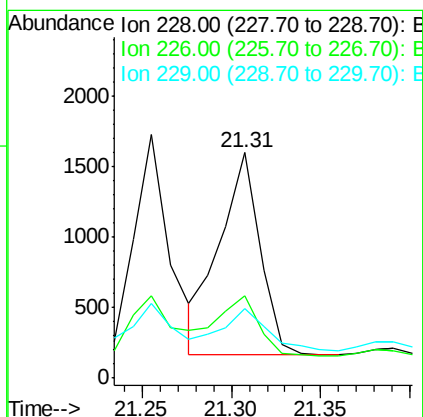
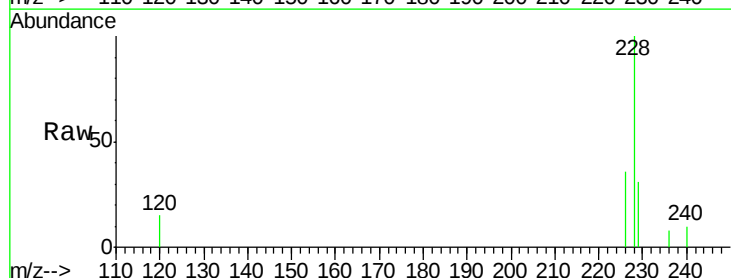
Tgt Ion:228 Resp: 2260

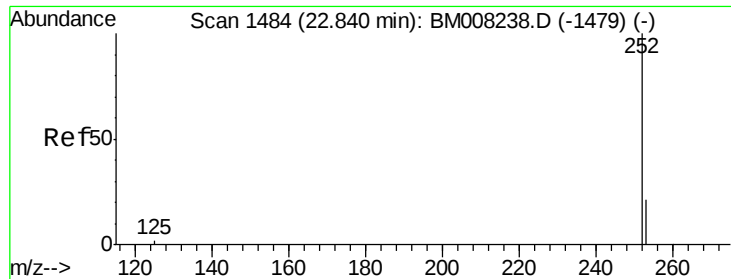
Ion Ratio Lower Upper

228 100

226 36.3 23.4 35.0#

229 30.9 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.55 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.00 min

Lab File: BM008246.D

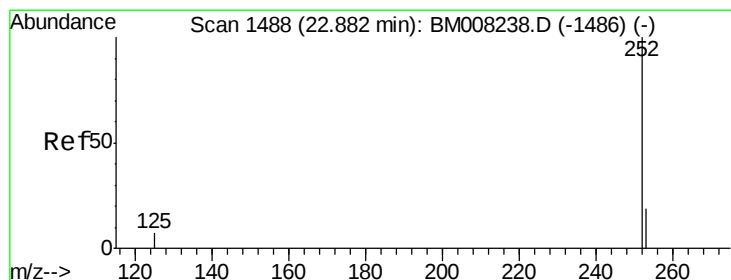
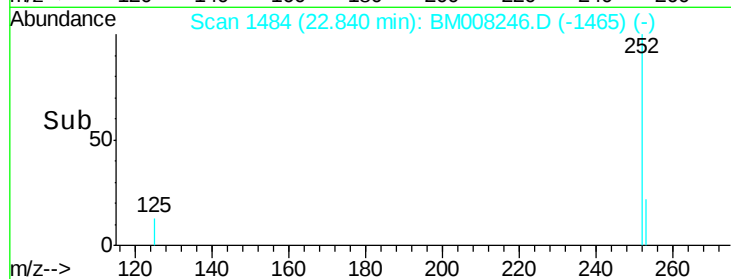
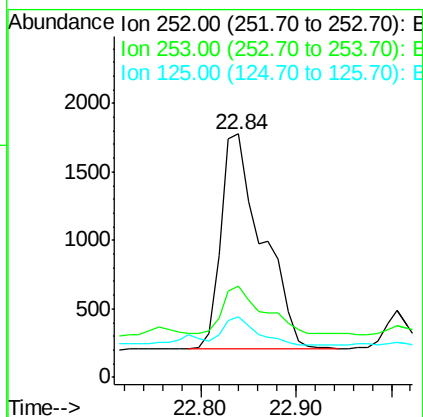
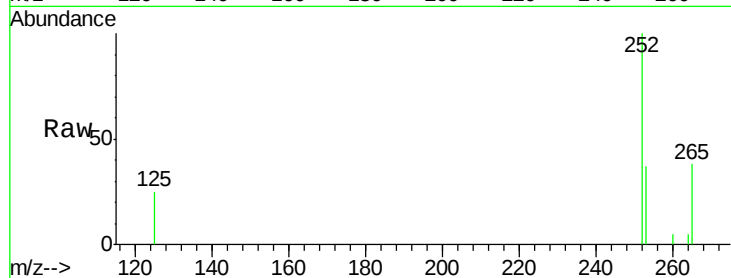
Acq: 10 Dec 2016 23:29

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252	Resp:	4720
Ion Ratio	Lower	Upper
252	100	
253	37.4	0.0 64.2
125	25.0	0.0 35.0



#22

Benzo(k)fluoranthene

Concen: 0.53 ng/ul

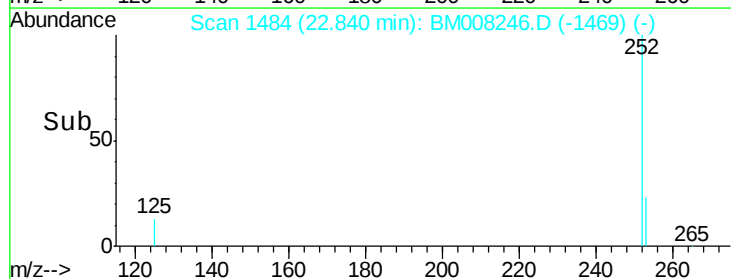
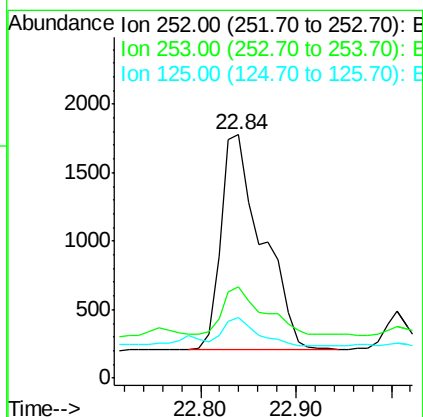
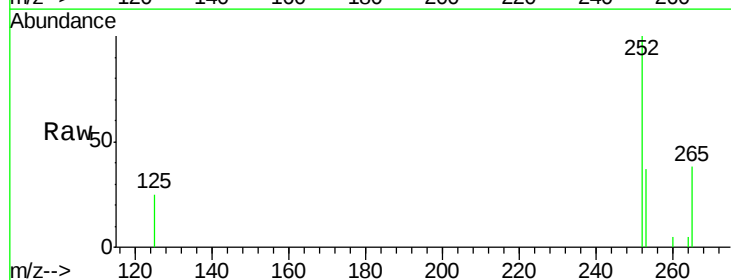
RT: 22.84 min Scan# 1484

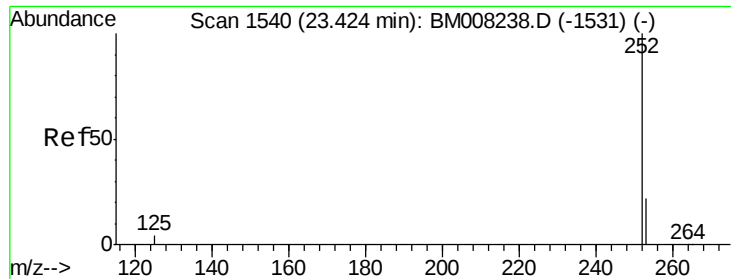
Delta R.T. -0.04 min

Lab File: BM008246.D

Acq: 10 Dec 2016 23:29

Tgt Ion:252	Resp:	4720
Ion Ratio	Lower	Upper
252	100	
253	37.4	24.5 36.7#
125	25.0	13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.27 ng/ul

RT: 23.40 min Scan# 1538

Delta R.T. -0.02 min

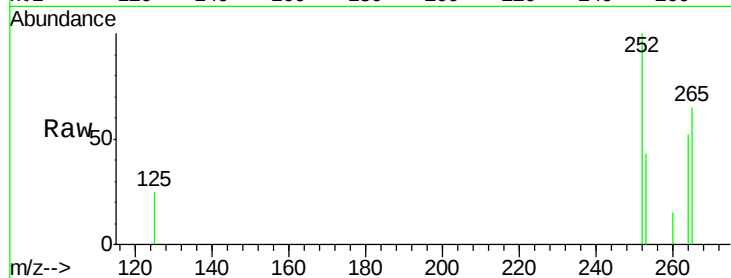
Lab File: BM008246.D

Acq: 10 Dec 2016 23:29

Instrument :

BNA_M

ClientSampleId :



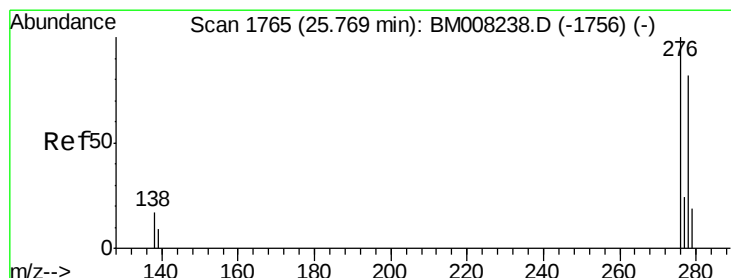
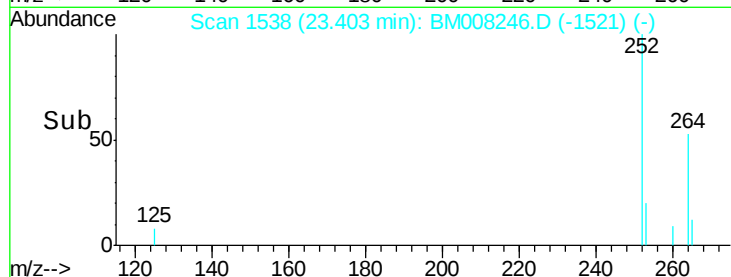
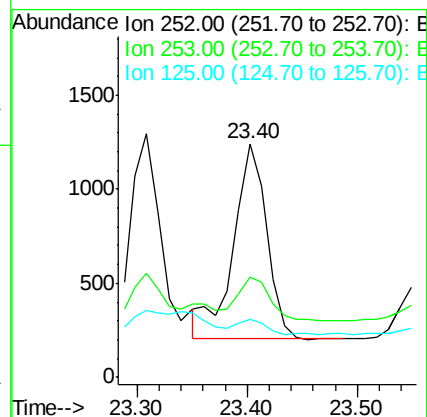
Tot Ion:252 Resp: 2193

Ion Ratio Lower Upper

252 100

253 42.8 28.5 42.7#

125 24.9 18.1 27.1



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.15 ng/ul

RT: 25.75 min Scan# 1763

Delta R.T. -0.02 min

Lab File: BM008246.D

Acq: 10 Dec 2016 23:29

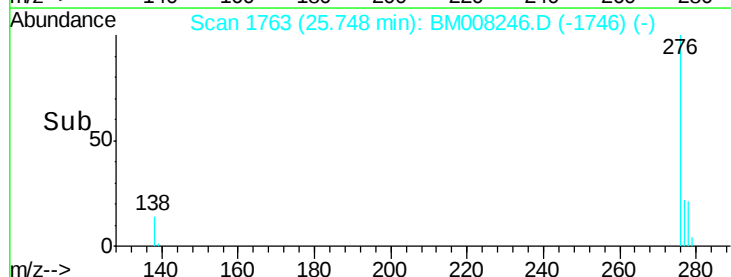
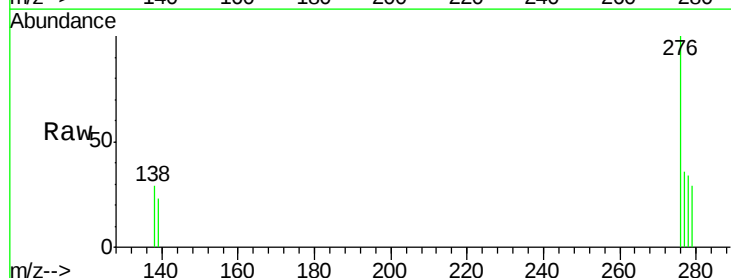
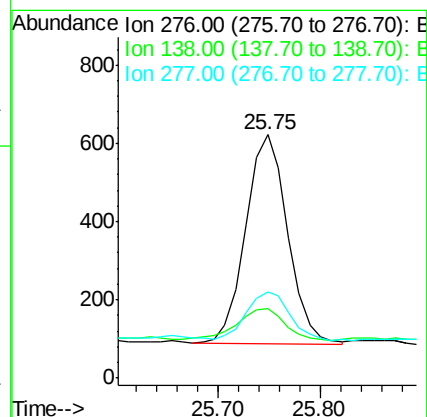
Tgt Ion:276 Resp: 1528

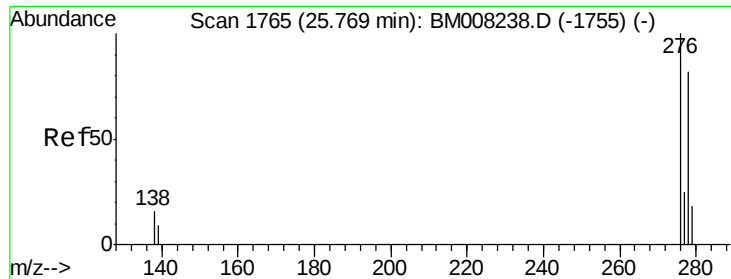
Ion Ratio Lower Upper

276 100

138 17.3 19.1 28.7#

277 24.1 19.6 29.4

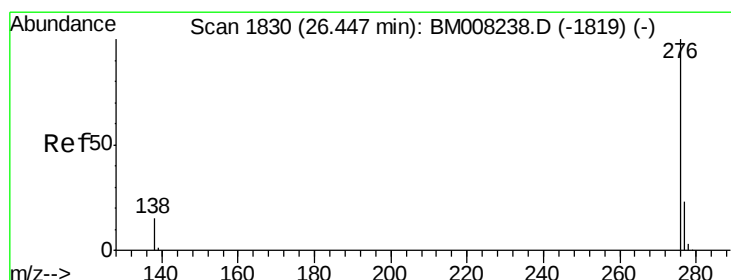
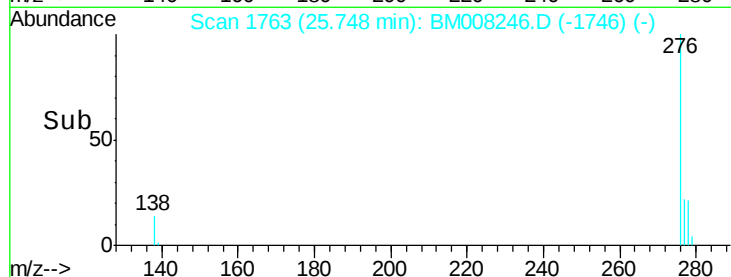
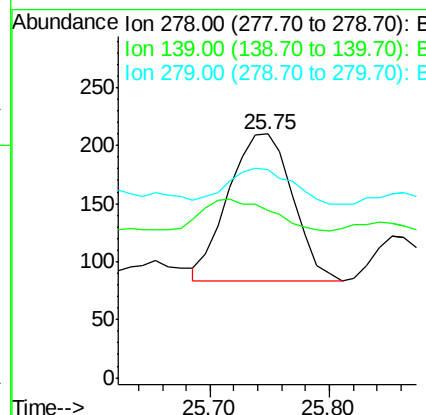
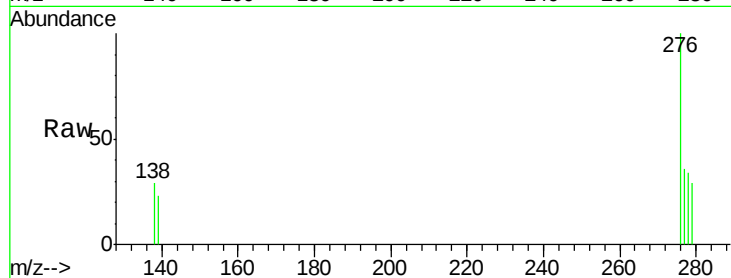




#25
Dibenzo(a,h)anthracene
Concen: 0.06 ng/ul
RT: 25.75 min Scan# 1763
Delta R.T. -0.02 min
Lab File: BM008246.D
Acq: 10 Dec 2016 23:29

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 475
Ion Ratio Lower Upper
278 100
139 68.6 17.4 26.0#
279 85.2 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.17 ng/ul
RT: 26.44 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BM008246.D
Acq: 10 Dec 2016 23:29

Tgt Ion:276 Resp: 1549
Ion Ratio Lower Upper
276 100
277 35.4 21.8 32.8#
138 29.7 20.5 30.7

