

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
 Data File : BM008239.D
 Acq On : 10 Dec 2016 19:17
 Operator : UM/SJ
 Sample : H5905-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 12 03:54:13 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	677	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.46	136	2223	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	1255	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	2083	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	2054	0.40	ng/ul	-0.01
20) Perylene-d12	23.50	264	1928	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.06	152	525	0.17	ng/ul	-0.02
14) Fluoranthene-d10	19.11	212	1351	0.23	ng/ul	-0.02

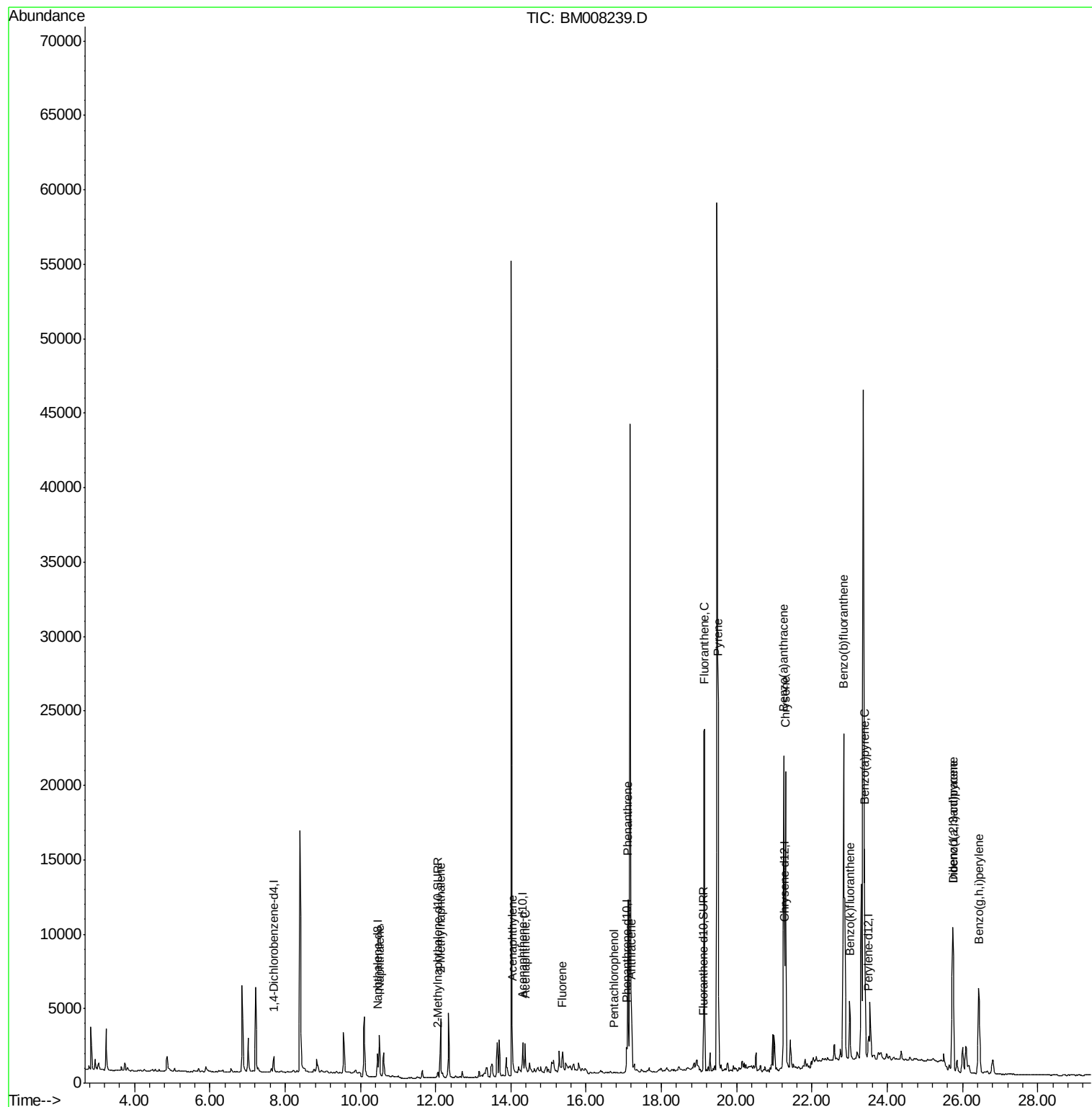
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.51	128	4050	0.65	ng/ul	97
5) 2-Methylnaphthalene	12.13	142	3331	0.83	ng/ul	98
7) Acenaphthylene	14.04	152	2957	0.52	ng/ul#	96
8) Acenaphthene	14.38	153	1251	0.29	ng/ul	98
9) Fluorene	15.38	166	1198	0.24	ng/ul#	79
11) Pentachlorophenol	16.75	266	17	0.02	ng/ul#	71
12) Phenanthrene	17.11	178	12765	1.97	ng/ul	96
13) Anthracene	17.21	178	4307	0.71	ng/ul	94
15) Fluoranthene	19.14	202	27555	3.29	ng/ul	93
17) Pyrene	19.51	202	28096	3.94	ng/ul	96
18) Benzo(a)anthracene	21.25	228	19395	3.08	ng/ul	99
19) Chrysene	21.30	228	19961	2.55	ng/ul	98
21) Benzo(b)fluoranthene	22.84	252	49096	6.38	ng/ul	83
22) Benzo(k)fluoranthene	23.00	252	4968	0.63	ng/ul	95
23) Benzo(a)pyrene	23.40	252	19795	2.75	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	25.74	276	16221	1.82	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.74	278	4608	0.65	ng/ul	96
26) Benzo(a,h,i)perylene	26.43	276	12600	1.59	ng/ul#	90

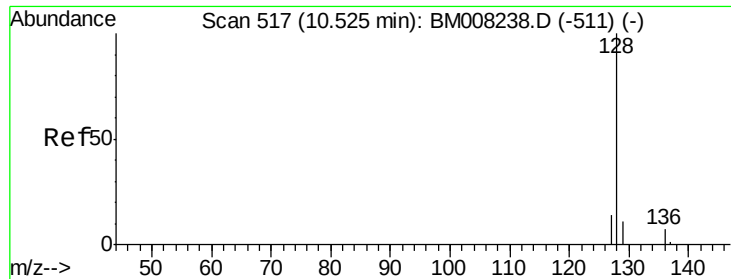
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008239.D
Acq On : 10 Dec 2016 19:17
Operator : UM/SJ
Sample : H5905-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Dec 12 03:54:13 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





#3

Naphthalene

Concen: 0.65 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.01 min

Lab File: BM008239.D

Acq: 10 Dec 2016 19:17

Instrument :

BNA_M

ClientSampleId :

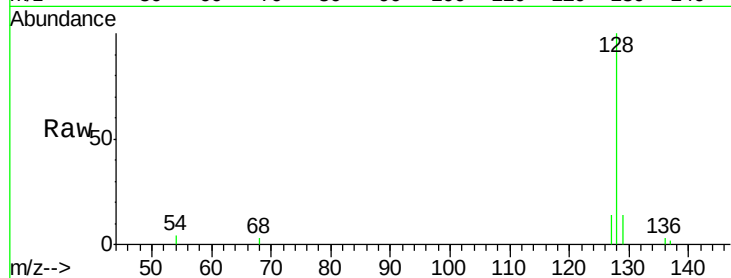
Tot Ion:128 Resp: 4050

Ion Ratio Lower Upper

128 100

129 13.6 11.3 16.9

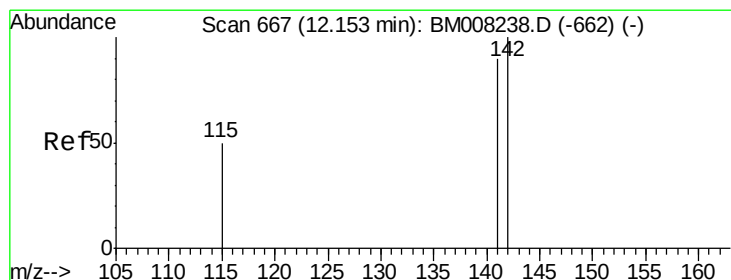
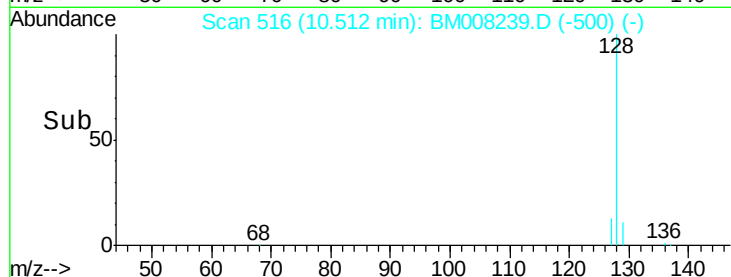
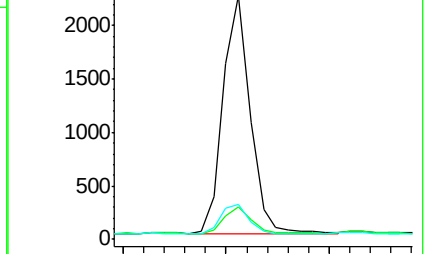
127 14.4 12.8 19.2



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: 0.83 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.02 min

Lab File: BM008239.D

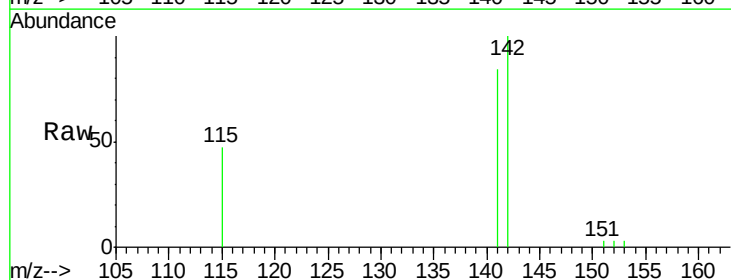
Acq: 10 Dec 2016 19:17

Tgt Ion:142 Resp: 3331

Ion Ratio Lower Upper

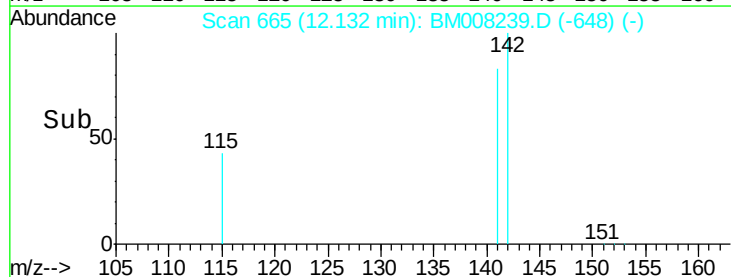
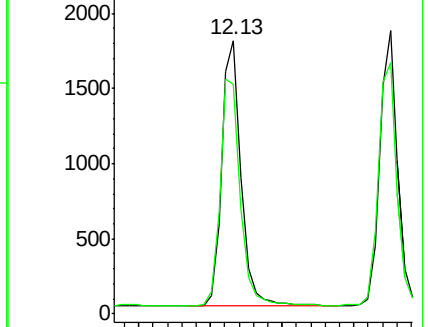
142 100

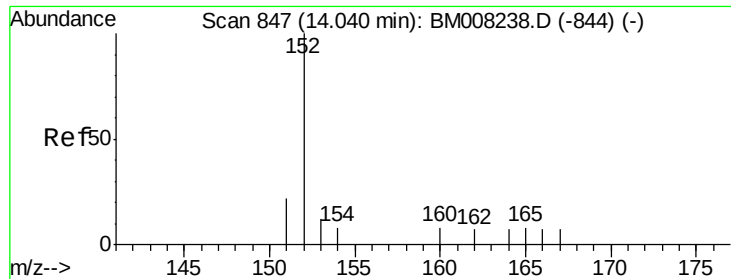
141 89.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.52 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM008239.D

Acq: 10 Dec 2016 19:17

Instrument :

BNA_M

ClientSampleId :

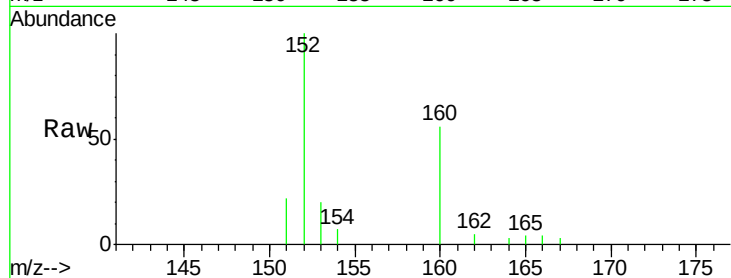
Tot Ion:152 Resp: 2957

Ion Ratio Lower Upper

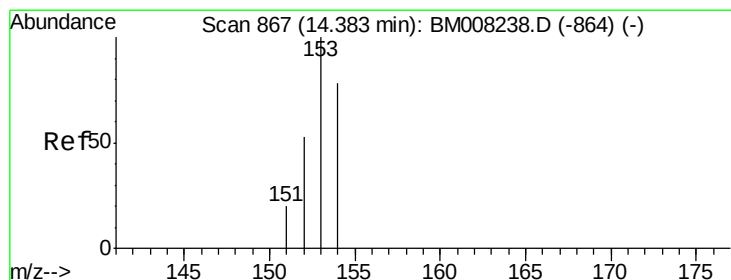
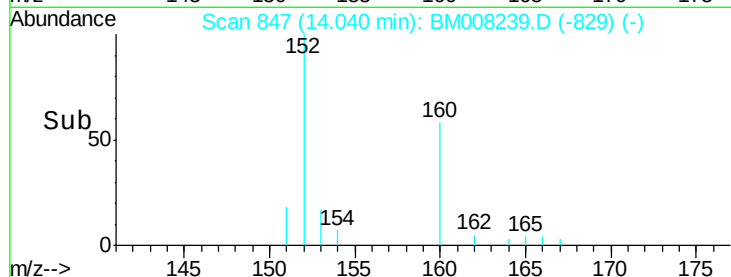
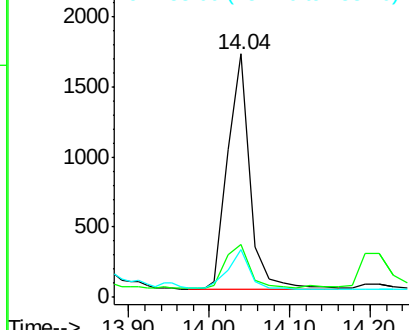
152 100

151 21.7 17.1 25.7

153 19.8 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: 0.29 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM008239.D

Acq: 10 Dec 2016 19:17

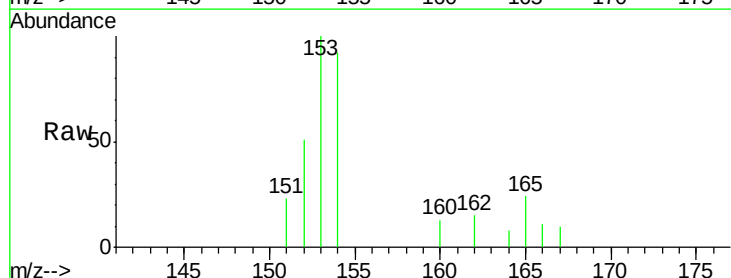
Tgt Ion:153 Resp: 1251

Ion Ratio Lower Upper

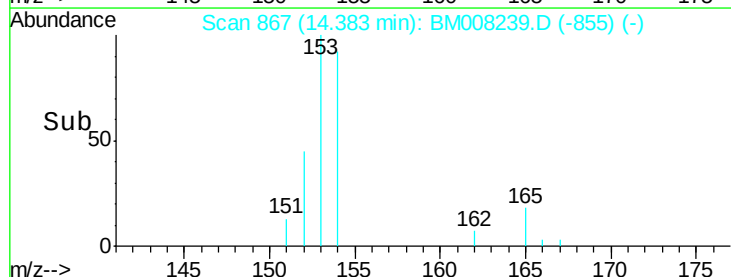
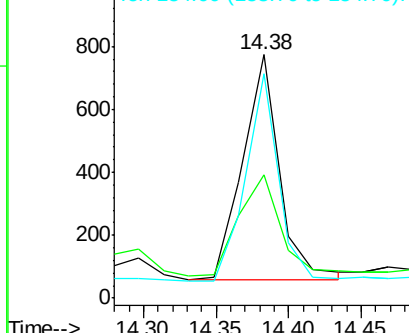
153 100

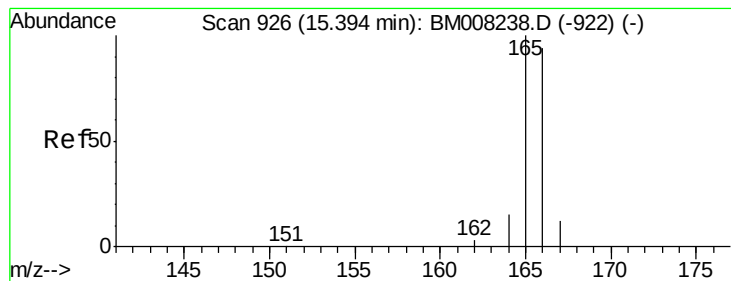
152 50.8 40.3 60.5

154 92.0 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: 0.24 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM008239.D

Acq: 10 Dec 2016 19:17

Instrument :

BNA_M

ClientSampled :

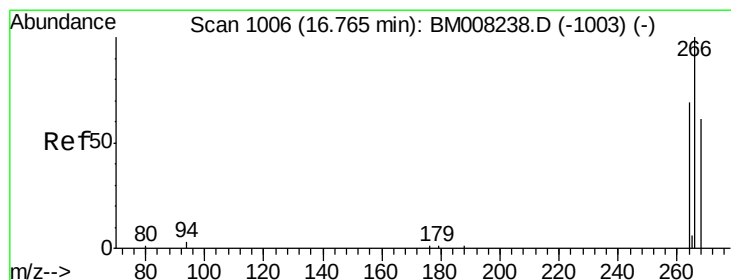
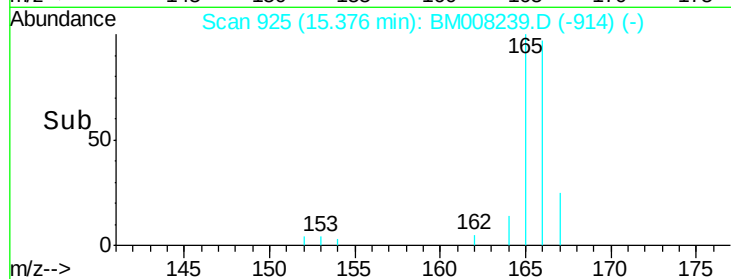
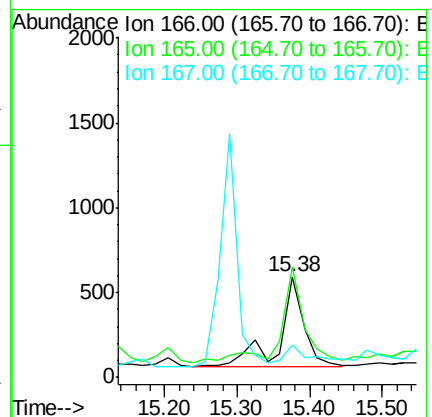
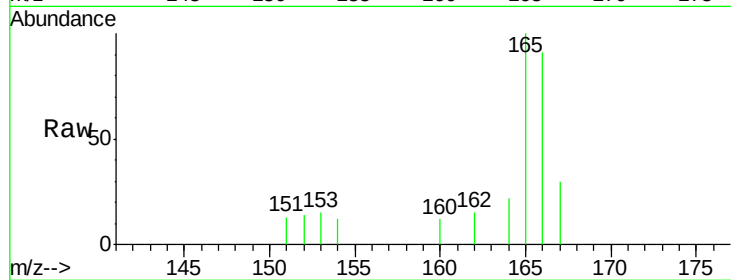
Tot Ion:166 Resp: 1198

Ion Ratio Lower Upper

166 100

165 109.8 73.4 110.2

167 32.8 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.02 ng/ul

RT: 16.75 min Scan# 1005

Delta R.T. -0.02 min

Lab File: BM008239.D

Acq: 10 Dec 2016 19:17

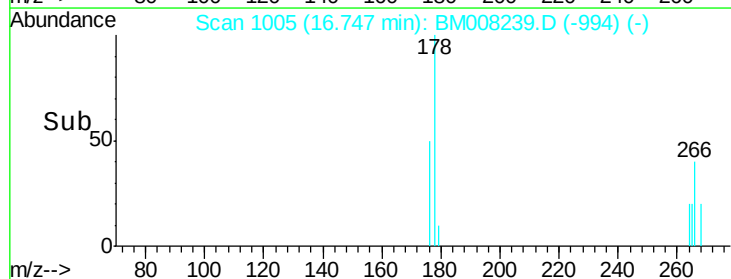
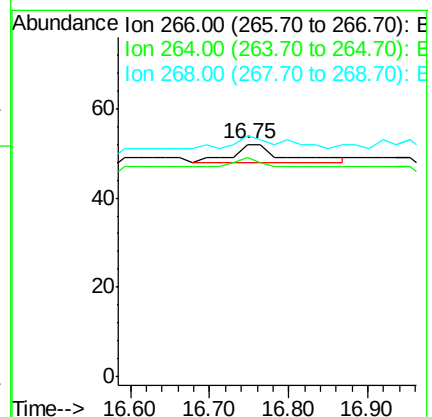
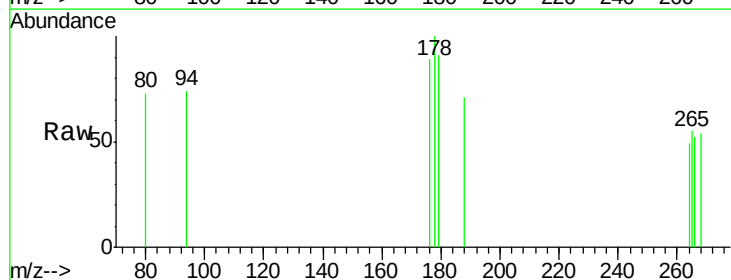
Tgt Ion:266 Resp: 17

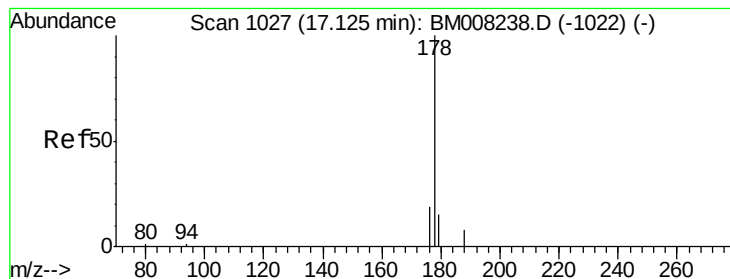
Ion Ratio Lower Upper

266 100

264 23.5 47.9 71.9#

268 70.6 49.8 74.8





#12

Phenanthrene

Concen: 1.97 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BM008239.D

Acq: 10 Dec 2016 19:17

Instrument :

BNA_M

ClientSampleId :

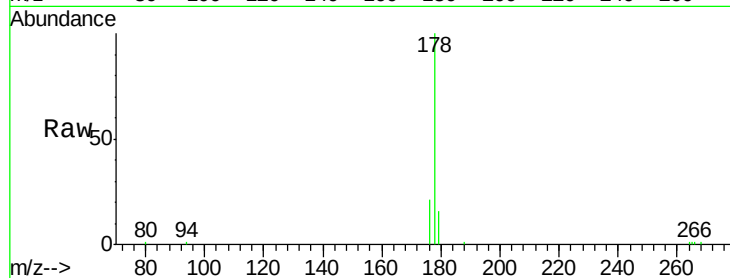
Tot Ion:178 Resp: 12765

Ion Ratio Lower Upper

178 100

176 20.9 18.4 27.6

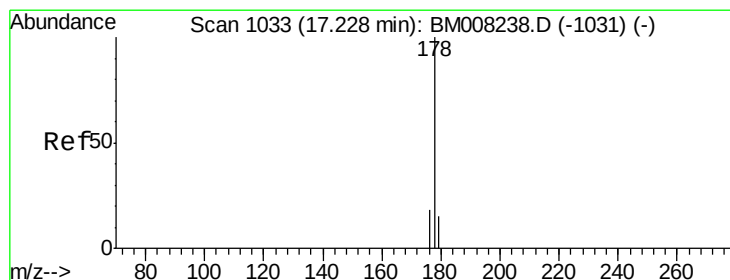
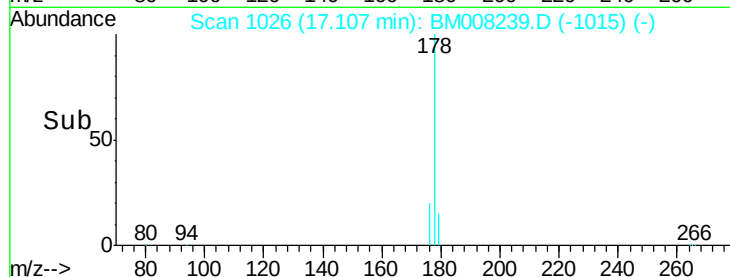
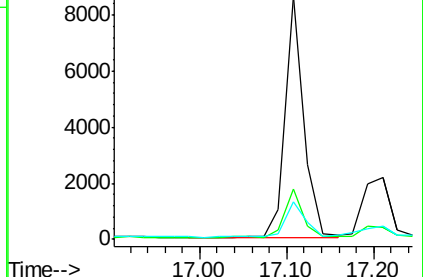
179 15.6 13.6 20.4



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: 0.71 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BM008239.D

Acq: 10 Dec 2016 19:17

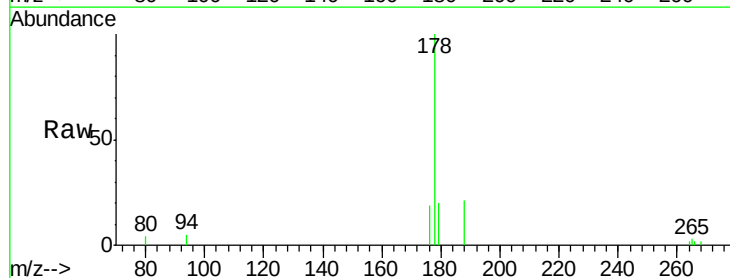
Tgt Ion:178 Resp: 4307

Ion Ratio Lower Upper

178 100

176 19.4 18.1 27.1

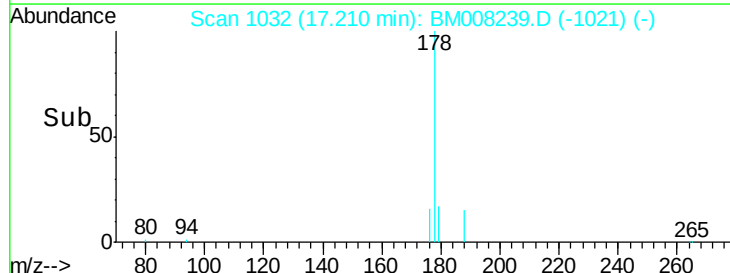
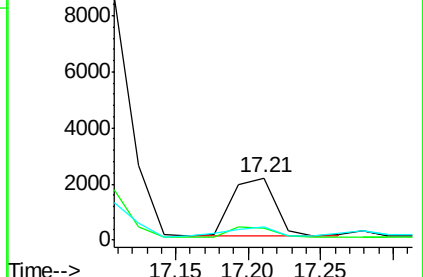
179 20.3 14.7 22.1

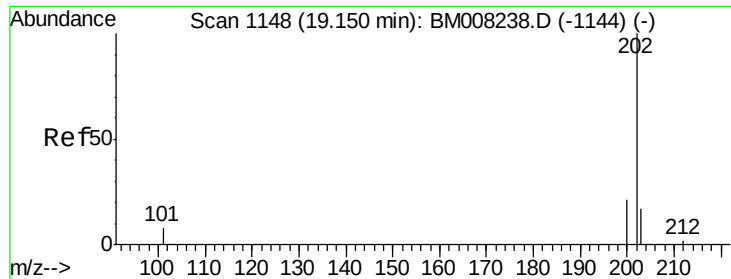


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

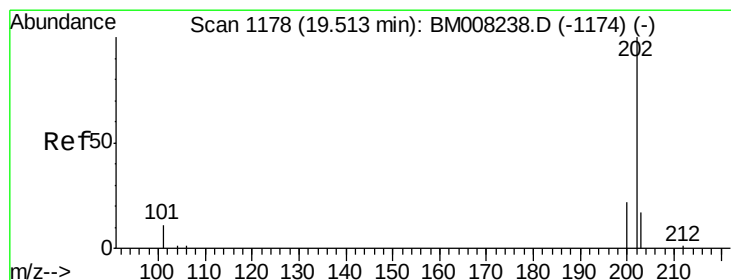
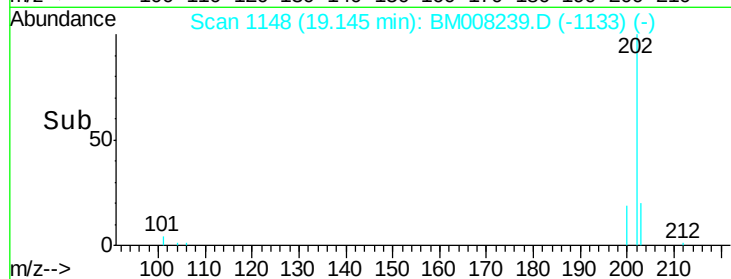
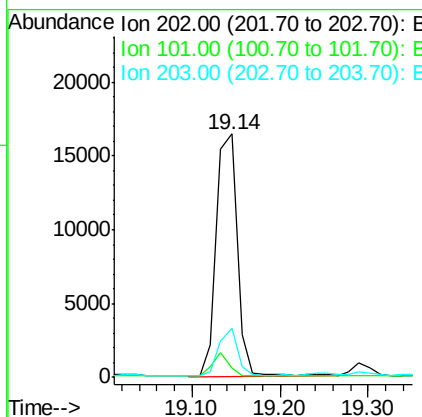
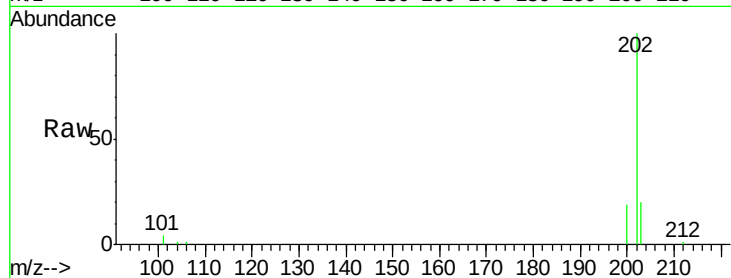




#15
Fluoranthene
Concen: 3.29 ng/ul
RT: 19.14 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BM008239.D
Acq: 10 Dec 2016 19:17

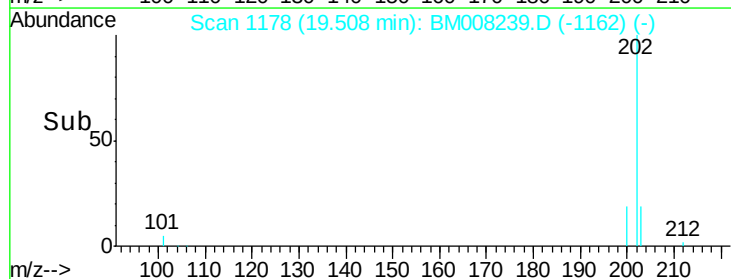
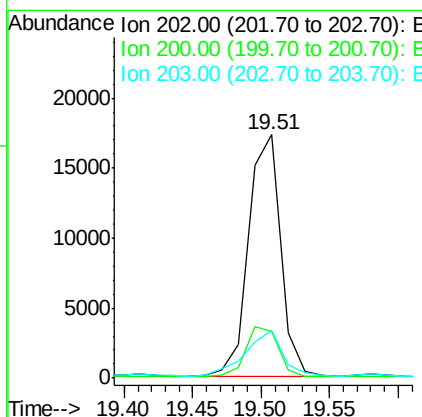
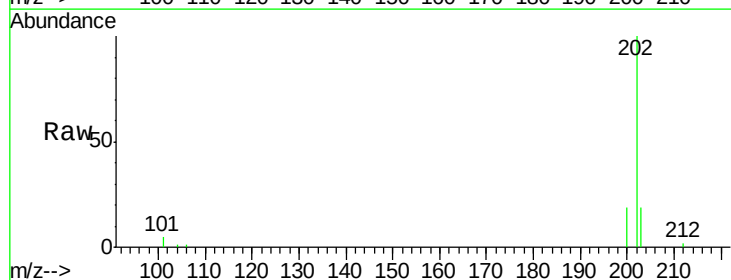
Instrument :
BNA_M
ClientSampleId :

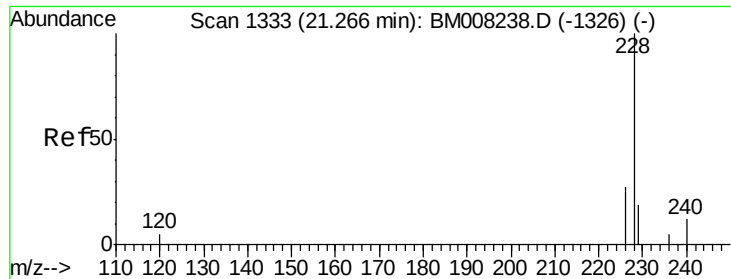
Tot Ion	Ratio	Lower	Upper
202	100		
101	3.9	0.0	30.3
203	19.9	0.0	39.5



#17
Pyrene
Concen: 3.94 ng/ul
RT: 19.51 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BM008239.D
Acq: 10 Dec 2016 19:17

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.1	18.2	27.4
203	19.4	15.6	23.4





#18

Benzo(a)anthracene

Concen: 3.08 ng/ul

RT: 21.25 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BM008239.D

Acq: 10 Dec 2016 19:17

Instrument :

BNA_M

ClientSampleId :

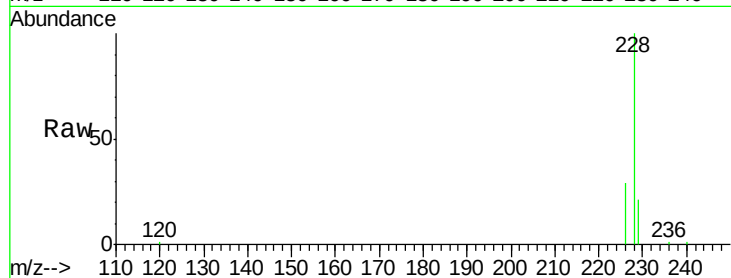
Tot Ion:228 Resp: 19395

Ion Ratio Lower Upper

228 100

226 29.4 22.8 34.2

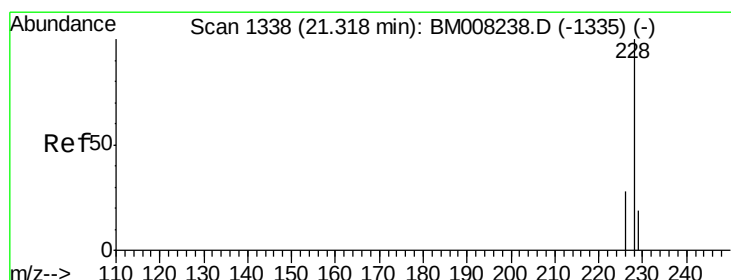
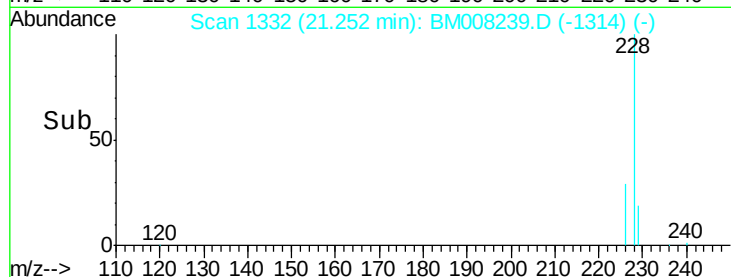
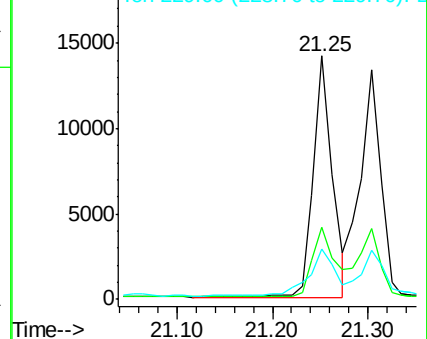
229 20.9 17.0 25.6



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



#19

Chrysene

Concen: 2.55 ng/ul

RT: 21.30 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BM008239.D

Acq: 10 Dec 2016 19:17

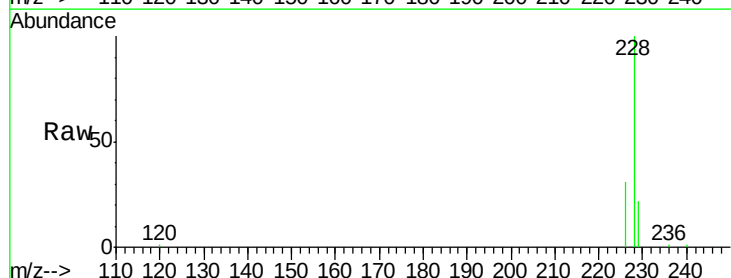
Tgt Ion:228 Resp: 19961

Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.0

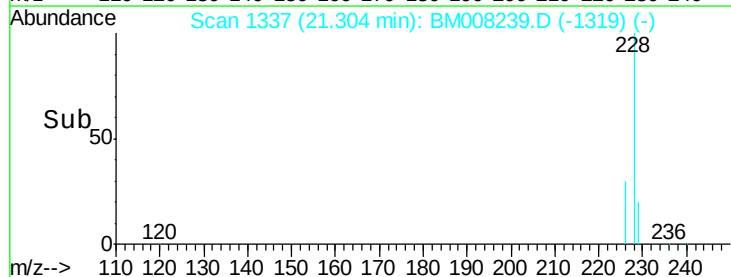
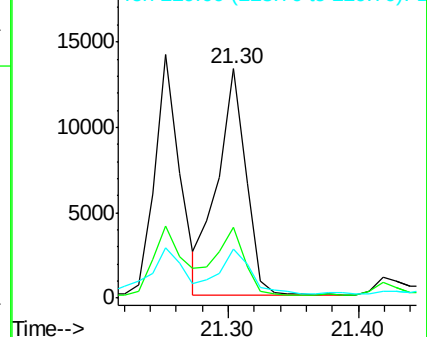
229 21.7 17.7 26.5

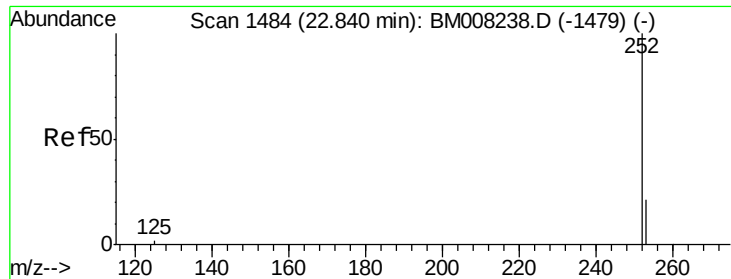


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 6.38 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.00 min

Lab File: BM008239.D

Acq: 10 Dec 2016 19:17

Instrument :

BNA_M

ClientSampleId :

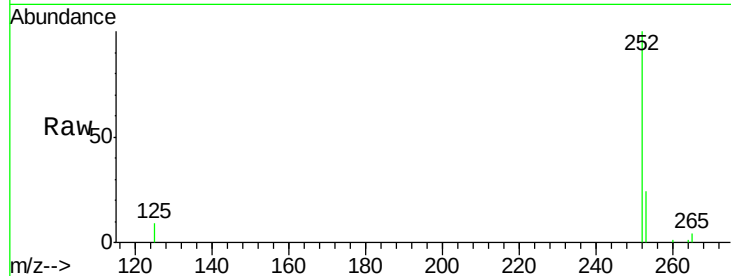
Tot Ion:252 Resp: 49096

Ion Ratio Lower Upper

252 100

253 23.7 0.0 64.2

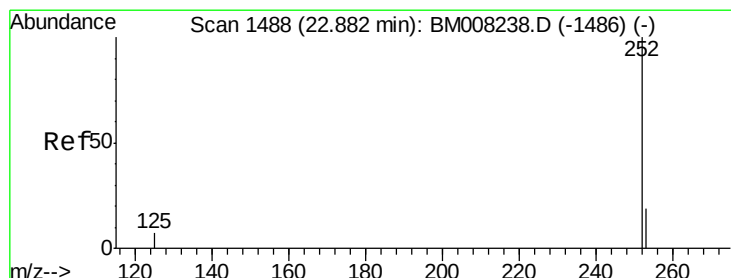
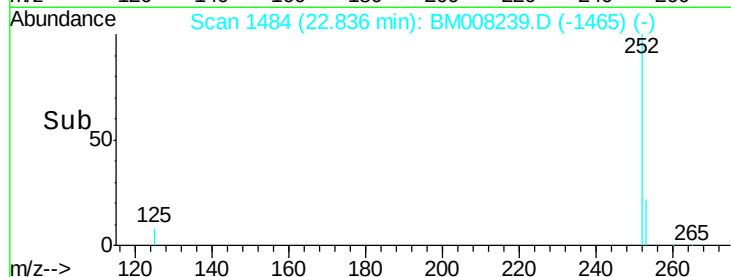
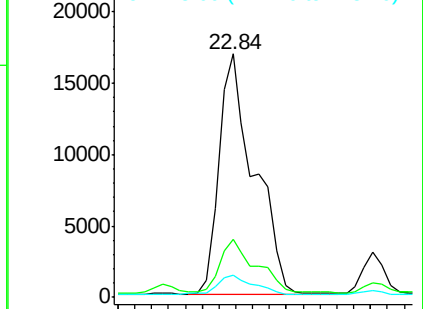
125 8.9 0.0 35.0



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



#22

Benzo(k)fluoranthene

Concen: 0.63 ng/ul

RT: 23.00 min Scan# 1500

Delta R.T. 0.12 min

Lab File: BM008239.D

Acq: 10 Dec 2016 19:17

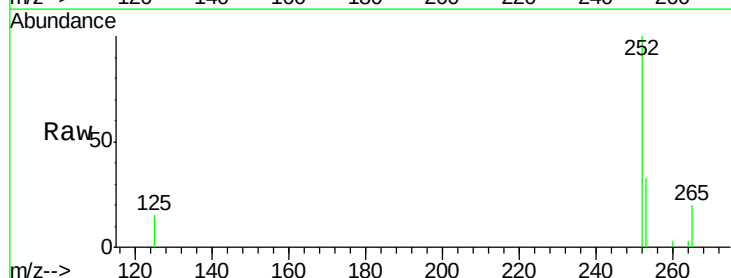
Tgt Ion:252 Resp: 4968

Ion Ratio Lower Upper

252 100

253 32.8 24.5 36.7

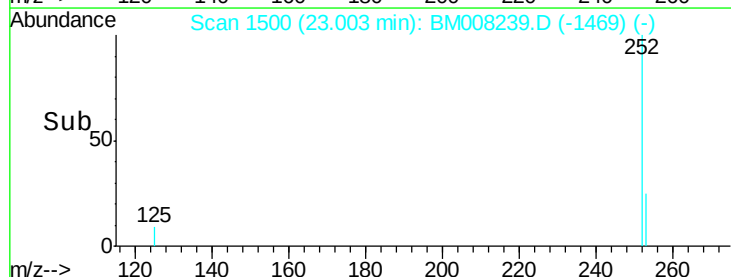
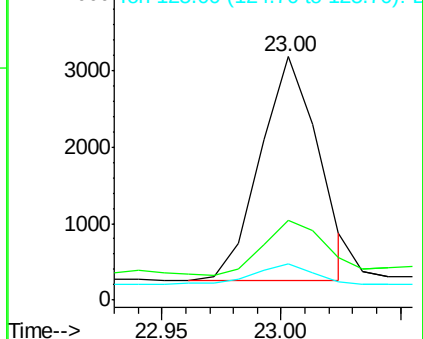
125 14.7 13.7 20.5

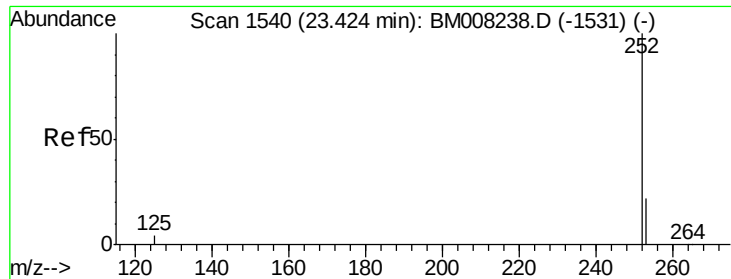


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 2.75 ng/ul

RT: 23.40 min Scan# 1538

Delta R.T. -0.02 min

Lab File: BM008239.D

Acq: 10 Dec 2016 19:17

Instrument :

BNA_M

ClientSampleId :

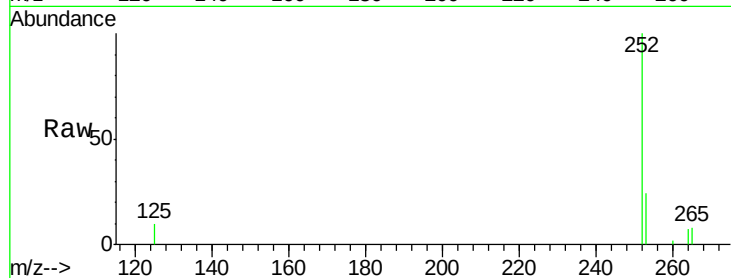
Tot Ion:252 Resp: 19795

Ion Ratio Lower Upper

252 100

253 23.9 28.5 42.7#

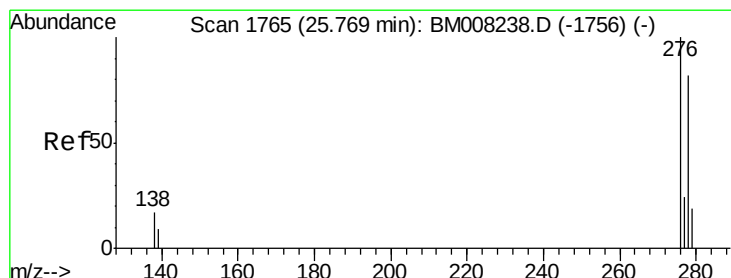
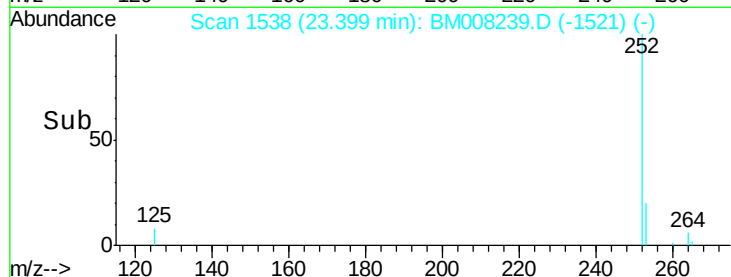
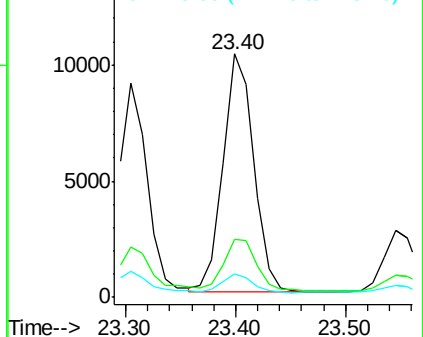
125 9.6 18.1 27.1#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 1.82 ng/ul

RT: 25.74 min Scan# 1763

Delta R.T. -0.02 min

Lab File: BM008239.D

Acq: 10 Dec 2016 19:17

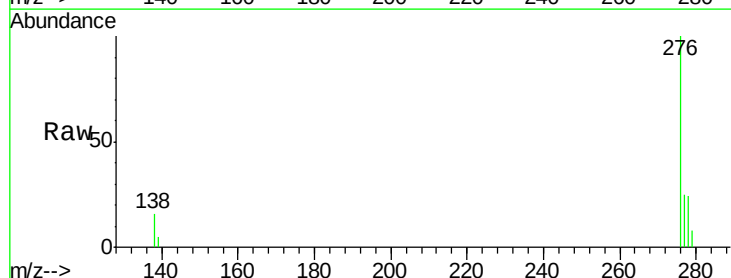
Tgt Ion:276 Resp: 16221

Ion Ratio Lower Upper

276 100

138 15.4 19.1 28.7#

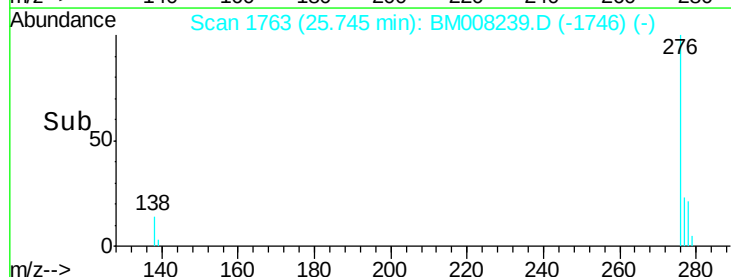
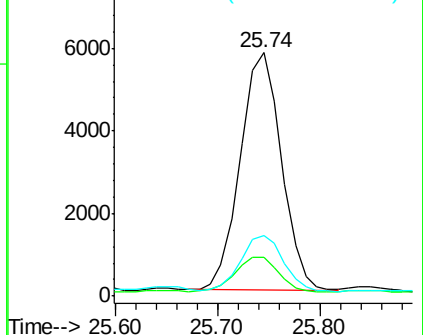
277 24.0 19.6 29.4

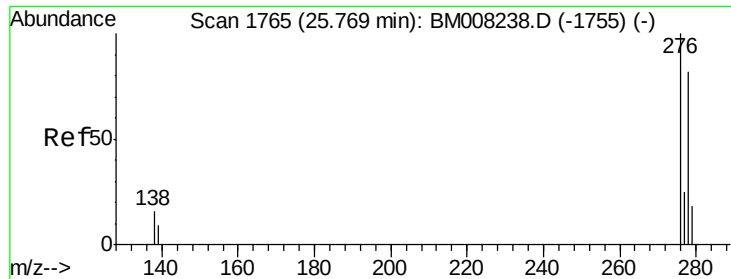


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



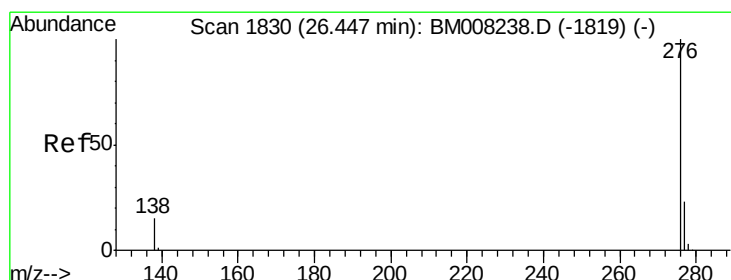
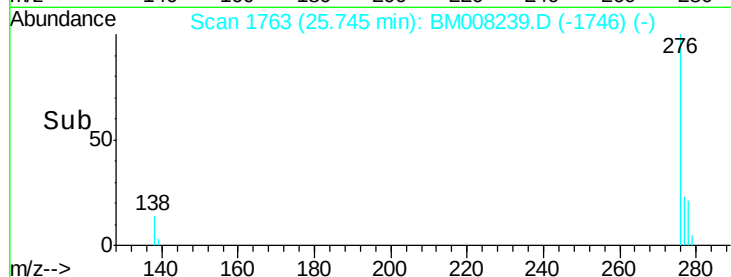
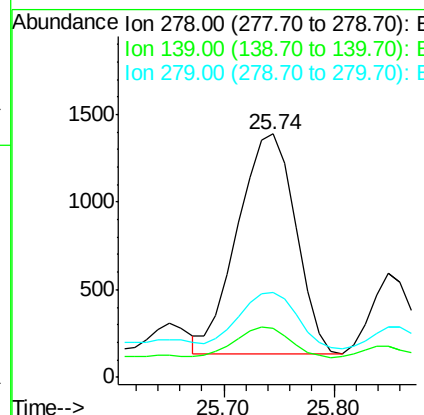
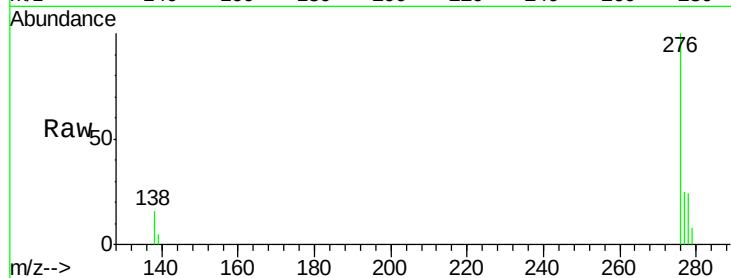


#25
Dibenzo(a,h)anthracene
Concen: 0.65 ng/ul
RT: 25.74 min Scan# 1763
Delta R.T. -0.02 min
Lab File: BM008239.D
Acq: 10 Dec 2016 19:17

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 4608

Ion	Ratio	Lower	Upper
278	100		
139	20.2	17.4	26.0
279	35.1	25.9	38.9



#26
Benzo(g,h,i)perylene
Concen: 1.59 ng/ul
RT: 26.43 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BM008239.D
Acq: 10 Dec 2016 19:17

Tgt Ion:276 Resp: 12600

Ion	Ratio	Lower	Upper
276	100		
277	25.6	21.8	32.8
138	16.7	20.5	30.7#

