

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
 Data File : BM008248.D
 Acq On : 11 Dec 2016 00:41
 Operator : UM/SJ
 Sample : H5863-07DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 12 03:55:35 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	764	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.46	136	2435	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	1376	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	2358	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	2297	0.40	ng/ul	-0.01
20) Perylene-d12	23.50	264	2242	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.06	152	188	0.05	ng/ul	-0.02
14) Fluoranthene-d10	19.11	212	670	0.10	ng/ul	-0.02

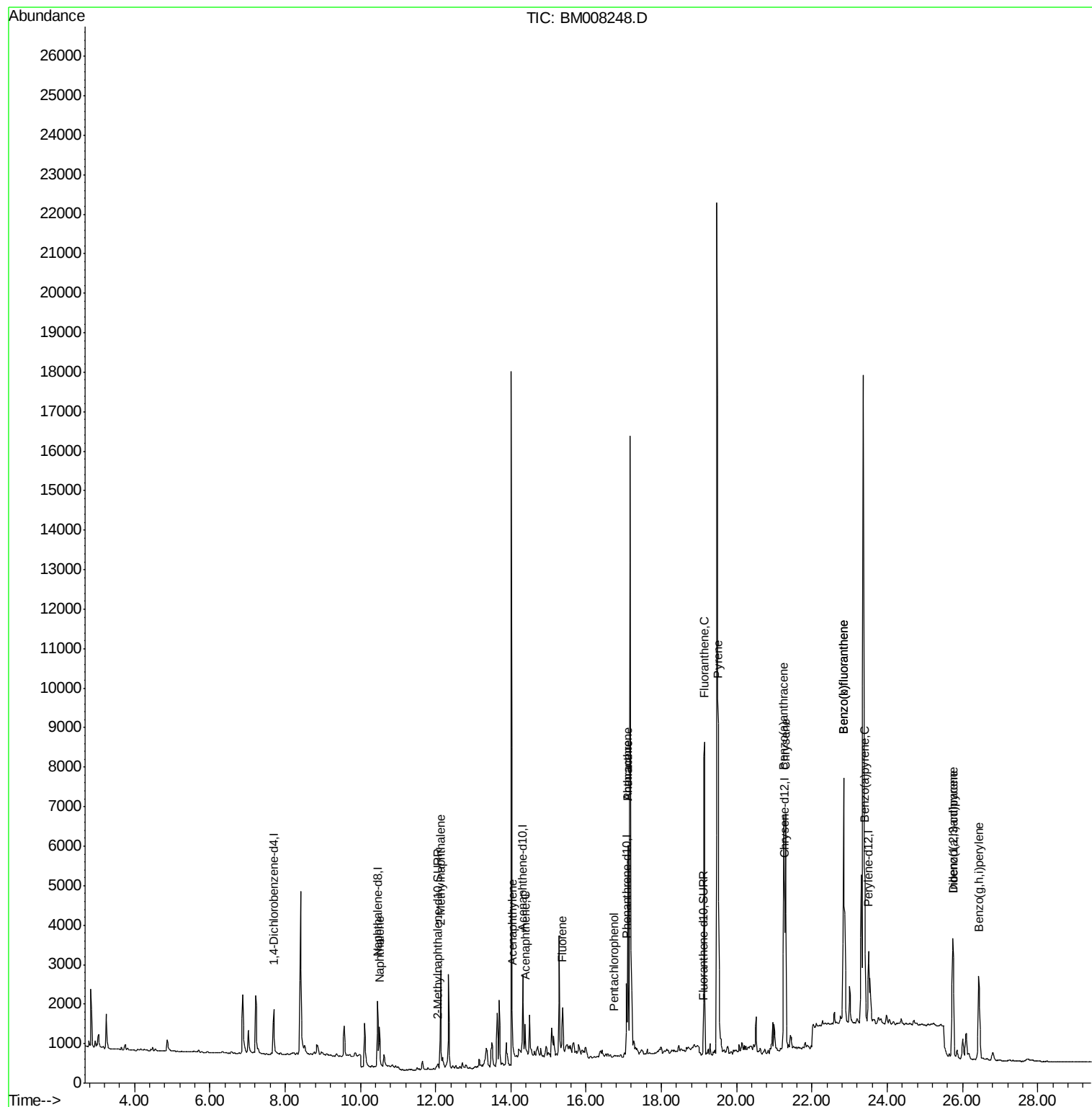
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.51	128	1547	0.23	ng/ul#	93
5) 2-Methylnaphthalene	12.13	142	2044	0.47	ng/ul	96
7) Acenaphthylene	14.04	152	844	0.14	ng/ul#	78
8) Acenaphthene	14.38	153	487	0.10	ng/ul	95
9) Fluorene	15.38	166	1004	0.18	ng/ul#	79
11) Pentachlorophenol	16.75	266	24	0.03	ng/ul#	75
12) Phenanthrene	17.11	178	6086	0.83	ng/ul	98
13) Anthracene	17.11	178	6019	0.87	ng/ul	97
15) Fluoranthene	19.14	202	9633	1.02	ng/ul	94
17) Pyrene	19.51	202	8784	1.10	ng/ul	96
18) Benzo(a)anthracene	21.25	228	5290	0.75	ng/ul	96
19) Chrysene	21.30	228	6143	0.70	ng/ul	95
21) Benzo(b)fluoranthene	22.84	252	13695	1.53	ng/ul	90
22) Benzo(k)fluoranthene	22.84	252	13695	1.48	ng/ul#	92
23) Benzo(a)pyrene	23.40	252	5483	0.65	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	25.74	276	5132	0.50	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.74	278	1464	0.18	ng/ul#	71
26) Benzo(g,h,i)perylene	26.43	276	4626	0.50	ng/ul#	94

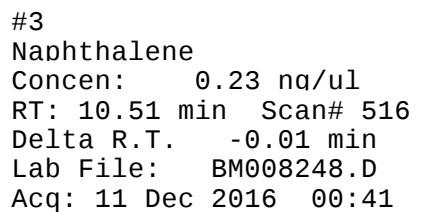
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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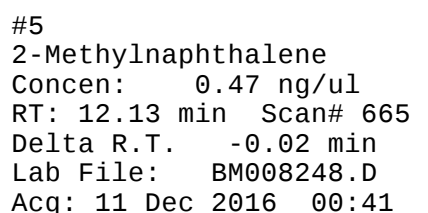
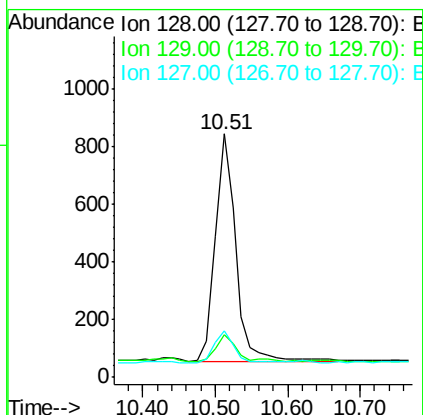
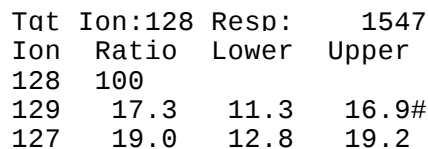
Instrument :
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Quant Time: Dec 12 03:55:35 2016
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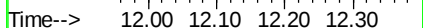
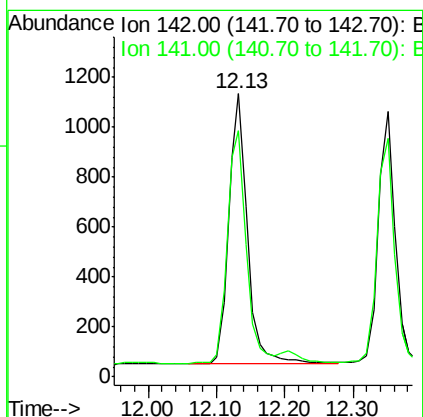


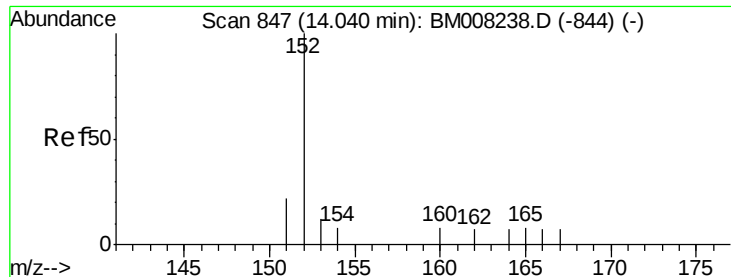


Instrument :
BNA_M
ClientSampleId :



Tgt	Ion:142	Resp:	2044
Ion	Ratio	Lower	Upper
142	100		
141	87.3	72.6	108.8





#7

Acenaphthylene

Concen: 0.14 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM008248.D

Acq: 11 Dec 2016 00:41

Instrument :

BNA_M

ClientSampleId :

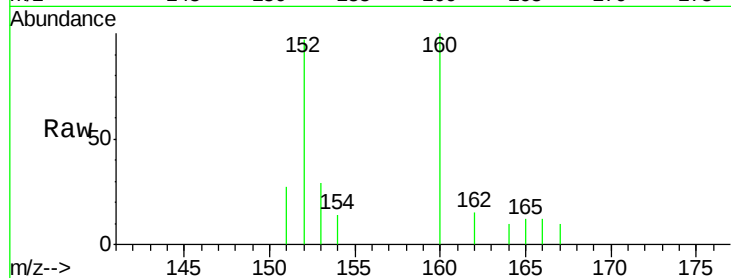
Tot Ion:152 Resp: 844

Ion Ratio Lower Upper

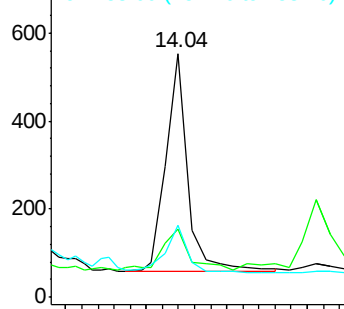
152 100

151 28.2 17.1 25.7#

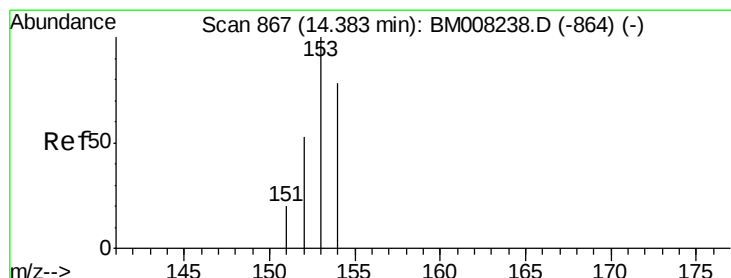
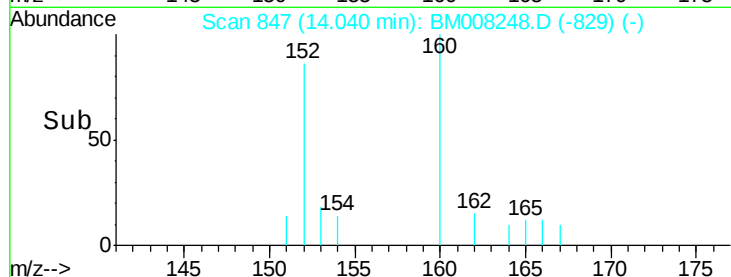
153 29.5 12.8 19.2#



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



Time-->



#8

Acenaphthene

Concen: 0.10 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM008248.D

Acq: 11 Dec 2016 00:41

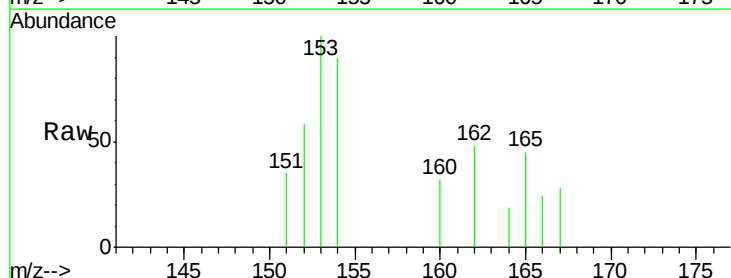
Tgt Ion:153 Resp: 487

Ion Ratio Lower Upper

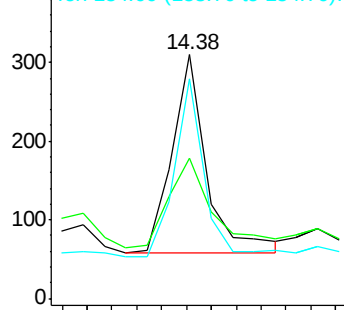
153 100

152 57.7 40.3 60.5

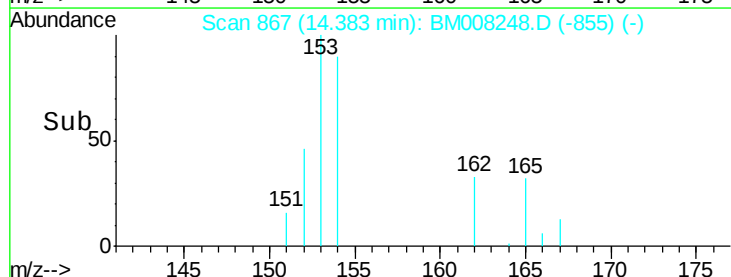
154 90.3 71.4 107.2

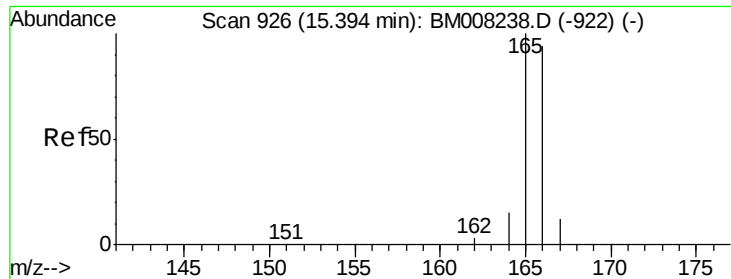


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time-->





#9

Fluorene

Concen: 0.18 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM008248.D

Acq: 11 Dec 2016 00:41

Instrument :

BNA_M

ClientSampleId :

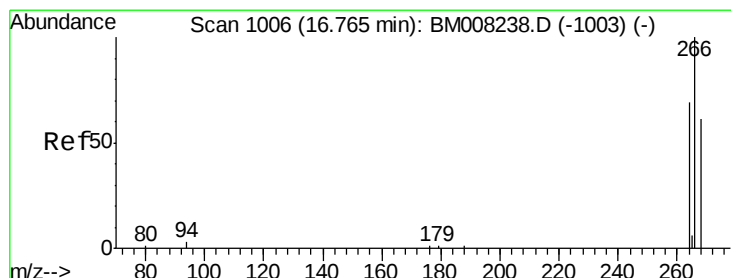
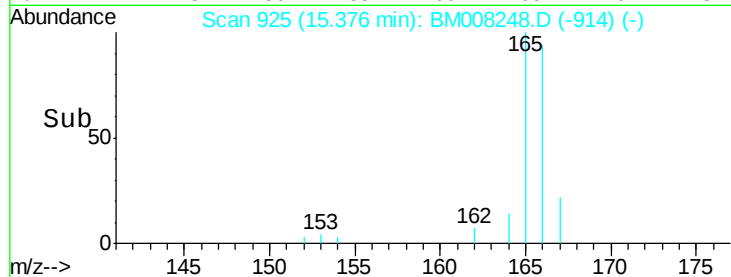
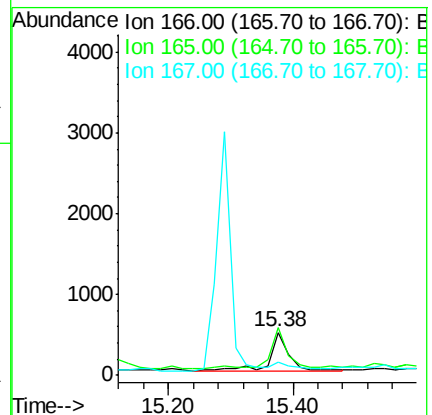
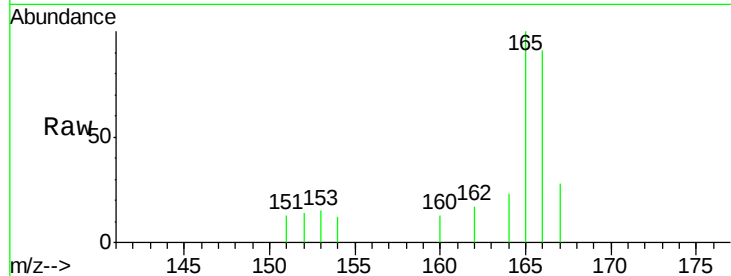
Tot Ion:166 Resp: 1004

Ion Ratio Lower Upper

166 100

165 109.9 73.4 110.2

167 31.2 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.03 ng/ul

RT: 16.75 min Scan# 1005

Delta R.T. -0.02 min

Lab File: BM008248.D

Acq: 11 Dec 2016 00:41

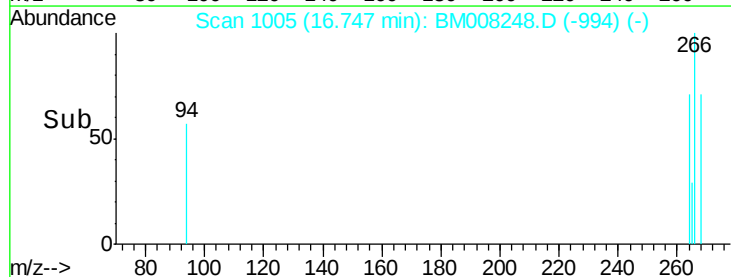
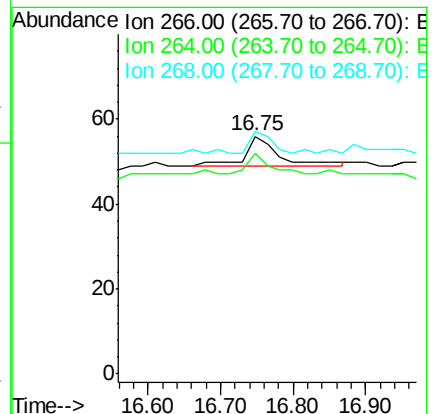
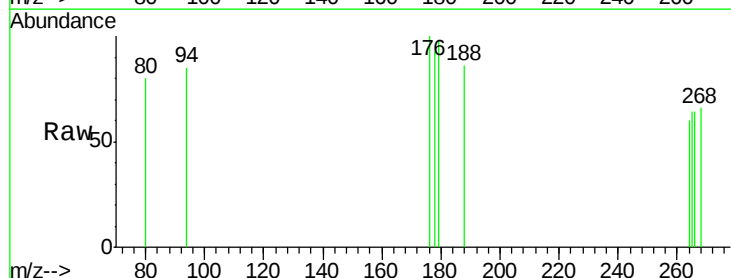
Tgt Ion:266 Resp: 24

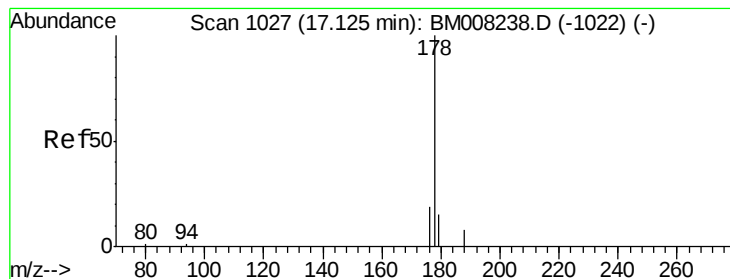
Ion Ratio Lower Upper

266 100

264 41.7 47.9 71.9#

268 41.7 49.8 74.8#





#12

Phenanthrene

Concen: 0.83 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BM008248.D

Acq: 11 Dec 2016 00:41

Instrument :

BNA_M

ClientSampleId :

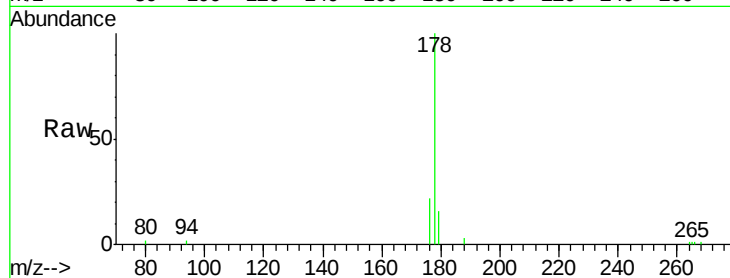
Tot Ion:178 Resp: 6086

Ion Ratio Lower Upper

178 100

176 21.8 18.4 27.6

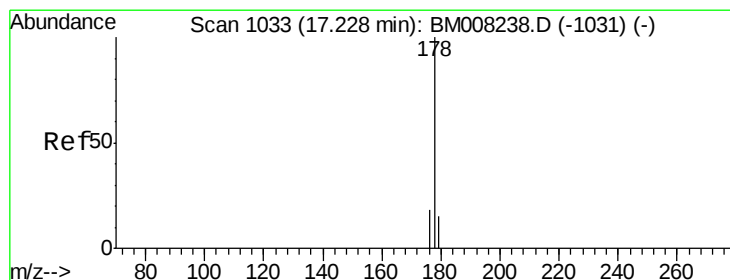
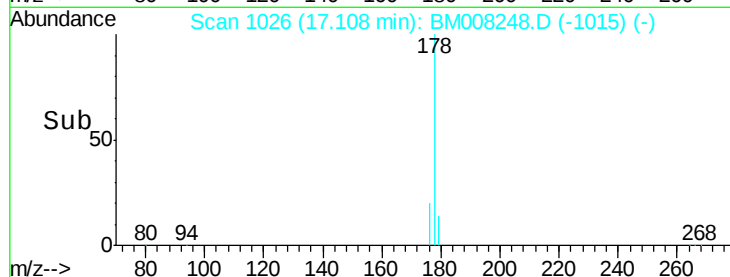
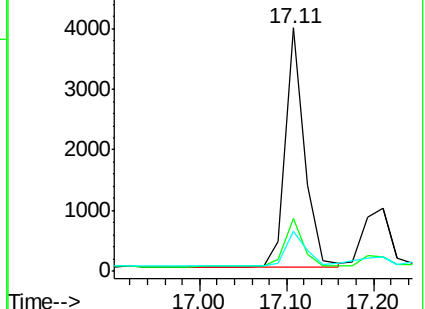
179 16.5 13.6 20.4



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: 0.87 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.12 min

Lab File: BM008248.D

Acq: 11 Dec 2016 00:41

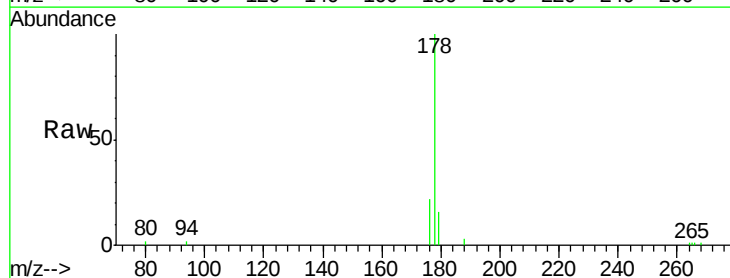
Tgt Ion:178 Resp: 6019

Ion Ratio Lower Upper

178 100

176 21.8 18.1 27.1

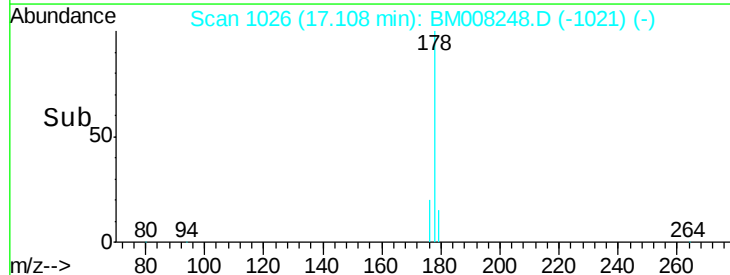
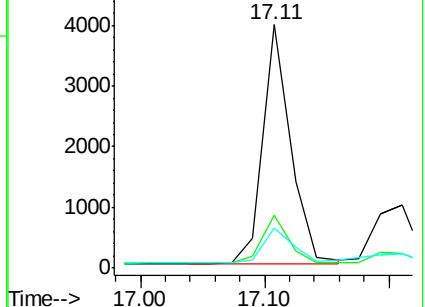
179 16.5 14.7 22.1

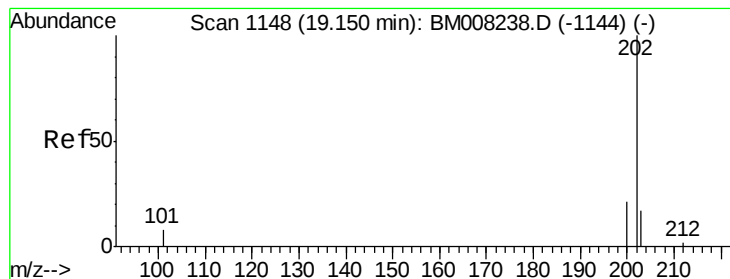


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 1.02 ng/ul

RT: 19.14 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BM008248.D

Acq: 11 Dec 2016 00:41

Instrument :

BNA_M

ClientSampleId :

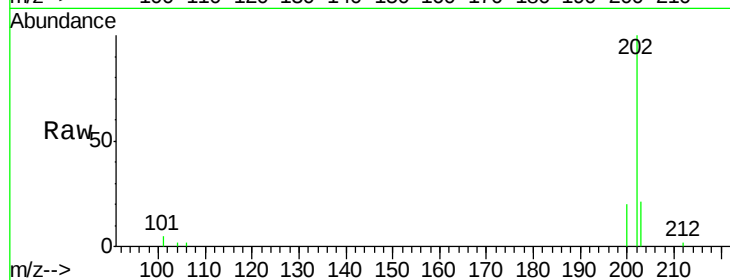
Tot Ion:202 Resp: 9633

Ion Ratio Lower Upper

202 100

101 5.2 0.0 30.3

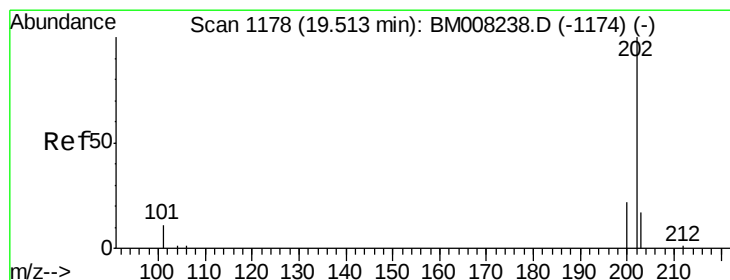
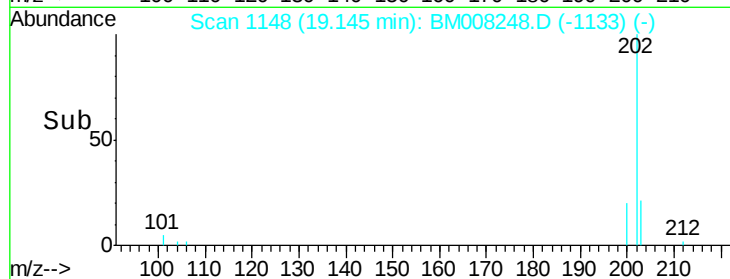
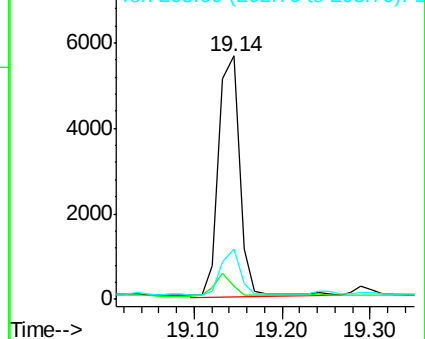
203 20.6 0.0 39.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#17

Pyrene

Concen: 1.10 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BM008248.D

Acq: 11 Dec 2016 00:41

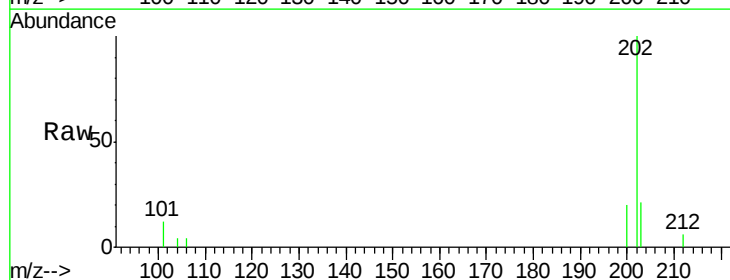
Tgt Ion:202 Resp: 8784

Ion Ratio Lower Upper

202 100

200 20.3 18.2 27.4

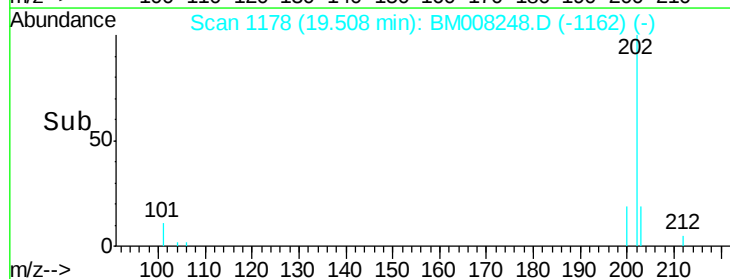
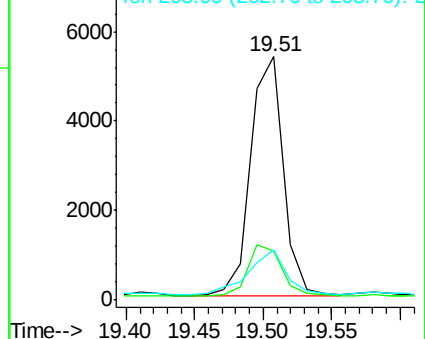
203 20.8 15.6 23.4

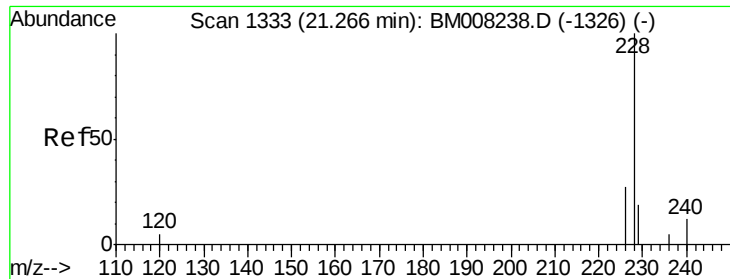


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.75 ng/ul

RT: 21.25 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BM008248.D

Acq: 11 Dec 2016 00:41

Instrument :

BNA_M

ClientSampleId :

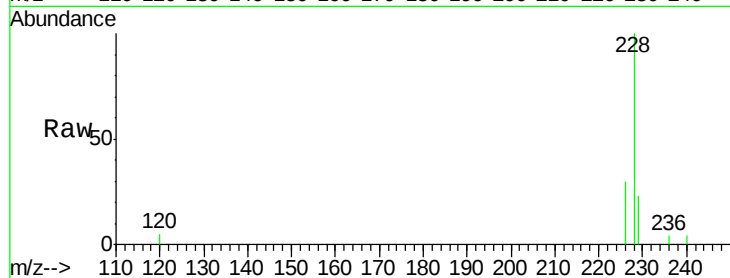
Tot Ion:228 Resp: 5290

Ion Ratio Lower Upper

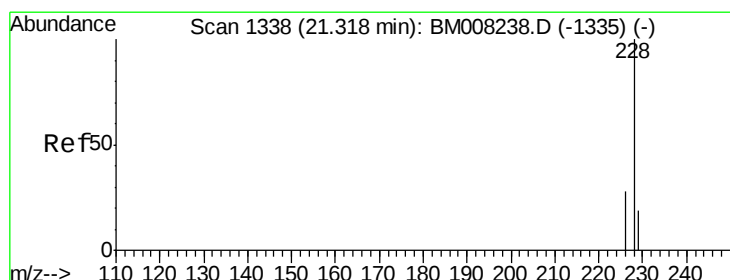
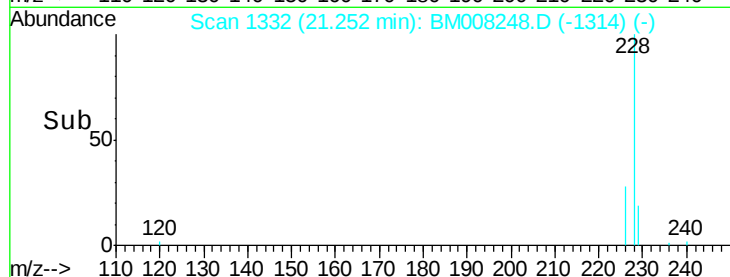
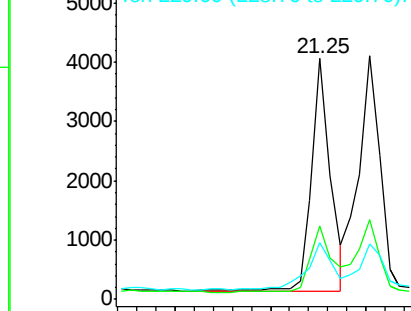
228 100

226 30.5 22.8 34.2

229 23.5 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: 0.70 ng/ul

RT: 21.30 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BM008248.D

Acq: 11 Dec 2016 00:41

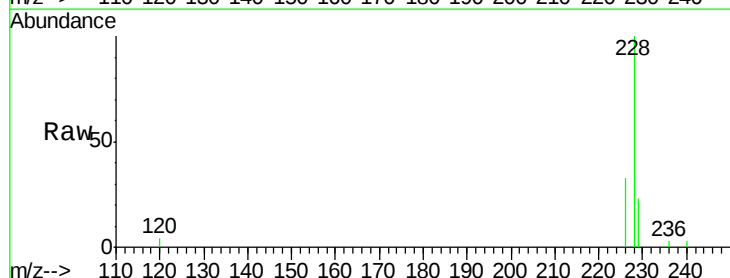
Tgt Ion:228 Resp: 6143

Ion Ratio Lower Upper

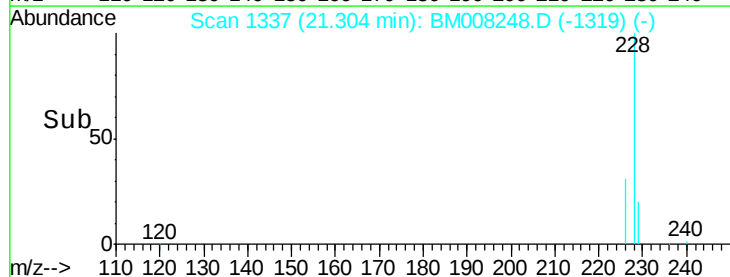
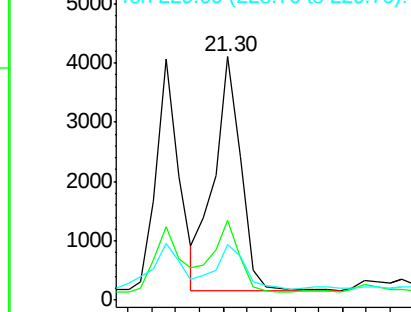
228 100

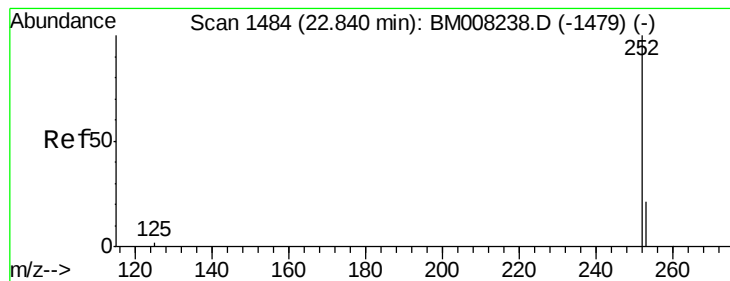
226 32.9 23.4 35.0

229 22.8 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: 1.53 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.00 min

Lab File: BM008248.D

Acq: 11 Dec 2016 00:41

Instrument :

BNA_M

ClientSampleId :

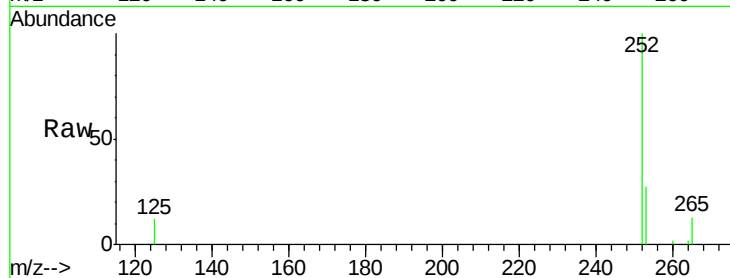
Tot Ion:252 Resp: 13695

Ion Ratio Lower Upper

252 100

253 27.3 0.0 64.2

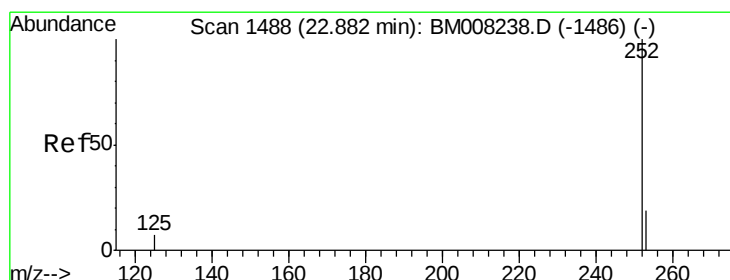
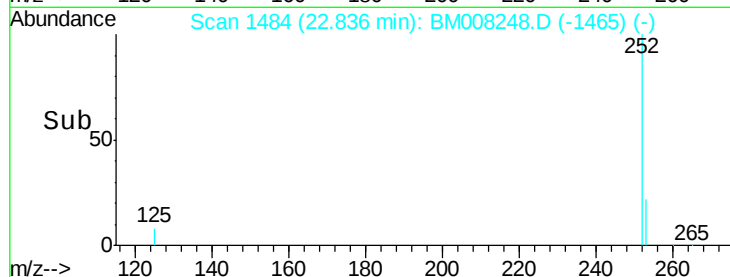
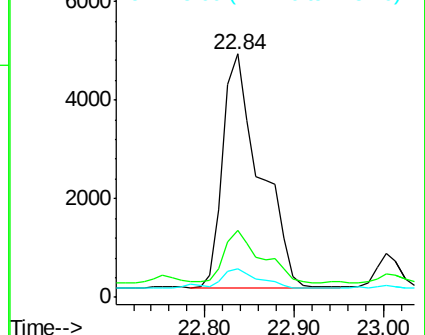
125 11.8 0.0 35.0



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: 1.48 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.05 min

Lab File: BM008248.D

Acq: 11 Dec 2016 00:41

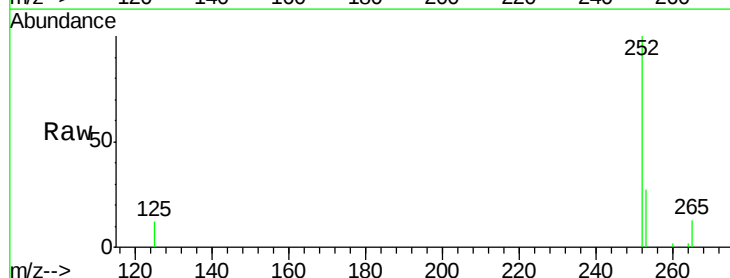
Tgt Ion:252 Resp: 13695

Ion Ratio Lower Upper

252 100

253 27.3 24.5 36.7

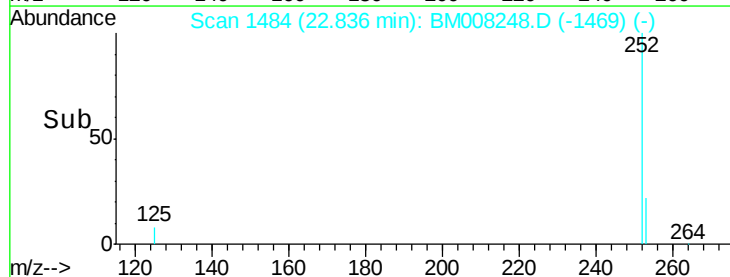
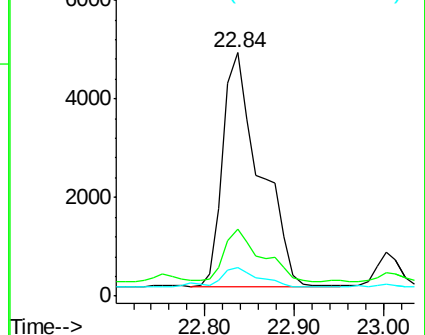
125 11.8 13.7 20.5#

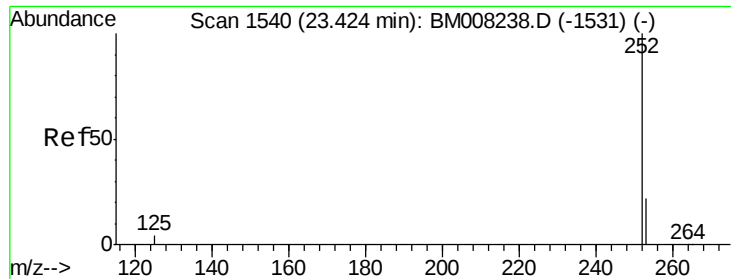


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.65 ng/ul

RT: 23.40 min Scan# 1538

Delta R.T. -0.02 min

Lab File: BM008248.D

Acq: 11 Dec 2016 00:41

Instrument :

BNA_M

ClientSampleId :

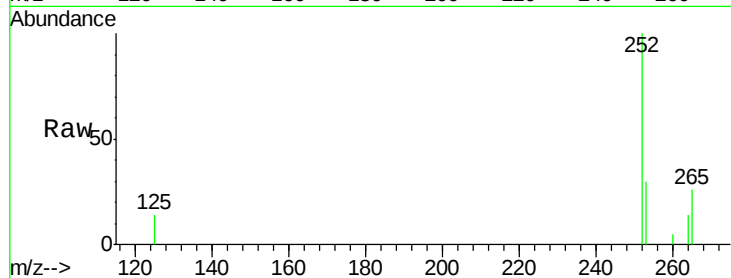
Tot Ion:252 Resp: 5483

Ion Ratio Lower Upper

252 100

253 30.1 28.5 42.7

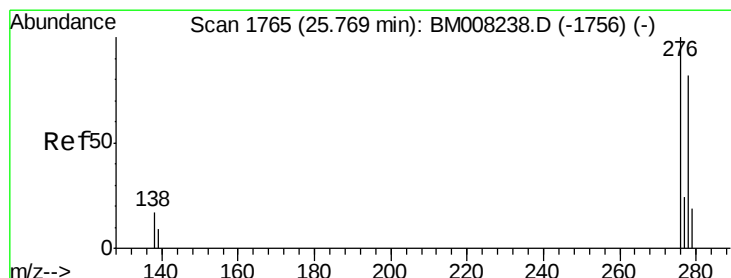
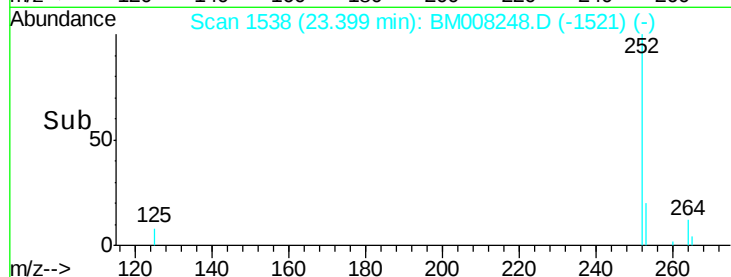
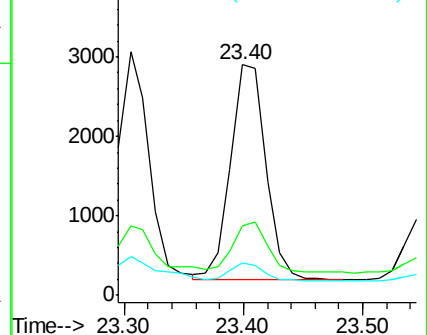
125 13.9 18.1 27.1#



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: 0.50 ng/ul

RT: 25.74 min Scan# 1763

Delta R.T. -0.02 min

Lab File: BM008248.D

Acq: 11 Dec 2016 00:41

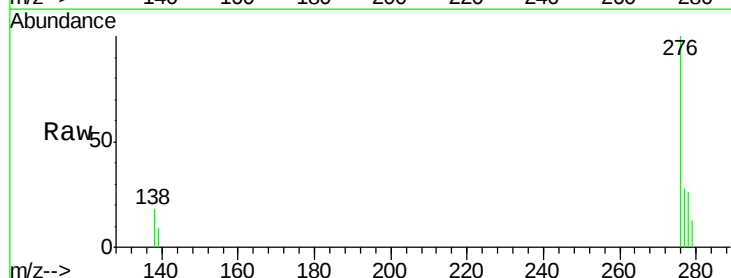
Tgt Ion:276 Resp: 5132

Ion Ratio Lower Upper

276 100

138 15.3 19.1 28.7#

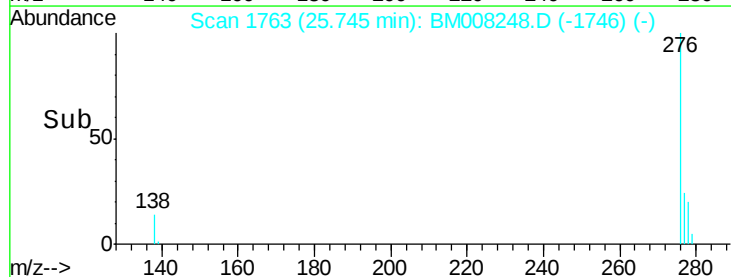
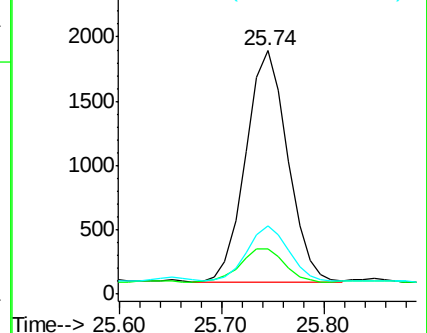
277 23.9 19.6 29.4

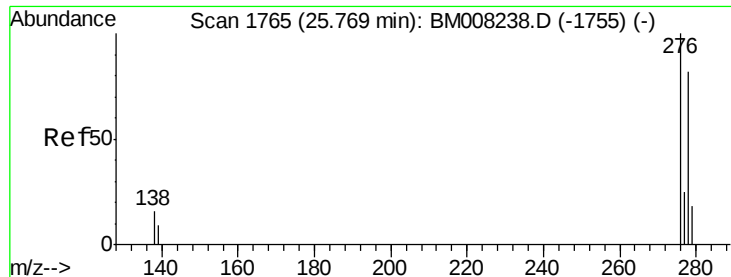


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.18 ng/ul

RT: 25.74 min Scan# 1763

Delta R.T. -0.02 min

Lab File: BM008248.D

Acq: 11 Dec 2016 00:41

Instrument :

BNA_M

ClientSampleId :

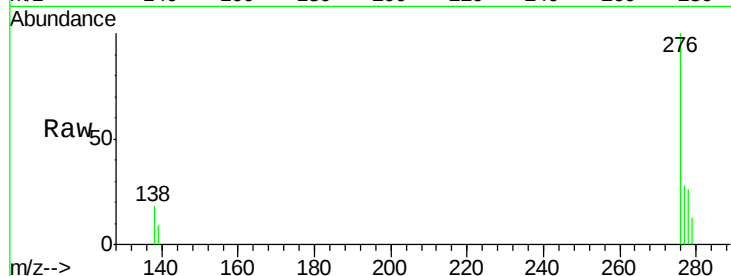
Tot Ion:278 Resp: 1464

Ion Ratio Lower Upper

278 100

139 32.9 17.4 26.0#

279 50.7 25.9 38.9#



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

25.74

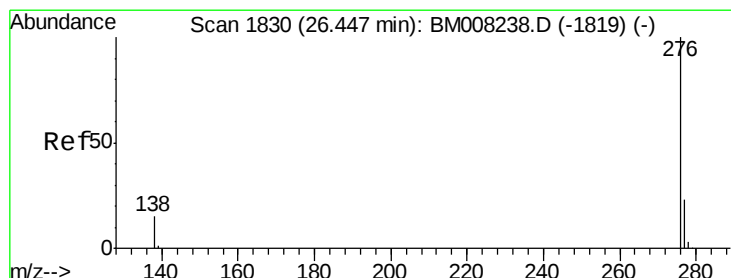
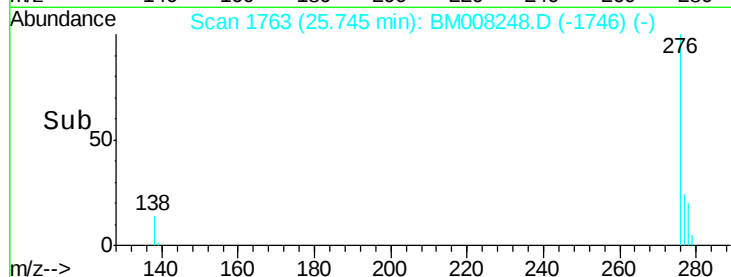
400

200

0

25.70 25.80

Time-->



#26

Benzo(g,h,i)perylene

Concen: 0.50 ng/ul

RT: 26.43 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BM008248.D

Acq: 11 Dec 2016 00:41

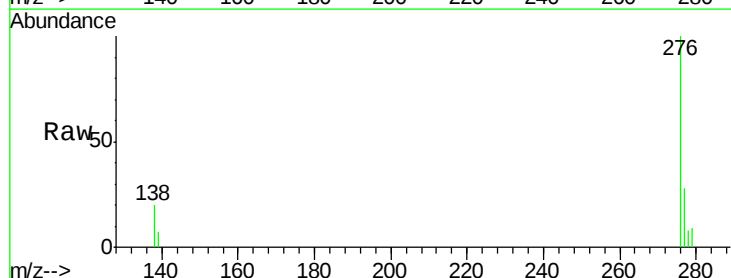
Tgt Ion:276 Resp: 4626

Ion Ratio Lower Upper

276 100

277 27.8 21.8 32.8

138 19.6 20.5 30.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

26.43

2000

1500

1000

500

0

26.20 26.40 26.60

Time-->

