

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
 Data File : BM008253.D
 Acq On : 11 Dec 2016 03:40
 Operator : UM/SJ
 Sample : H5863-17DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 12 06:47:20 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	721	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.46	136	2274	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	1282	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	2236	0.40	ng/ul	-0.02
16) Chrysene-d12	21.28	240	2154	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	2115	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.06	152	146	0.05	ng/ul	-0.02
14) Fluoranthene-d10	19.11	212	2168	0.34	ng/ul	-0.01

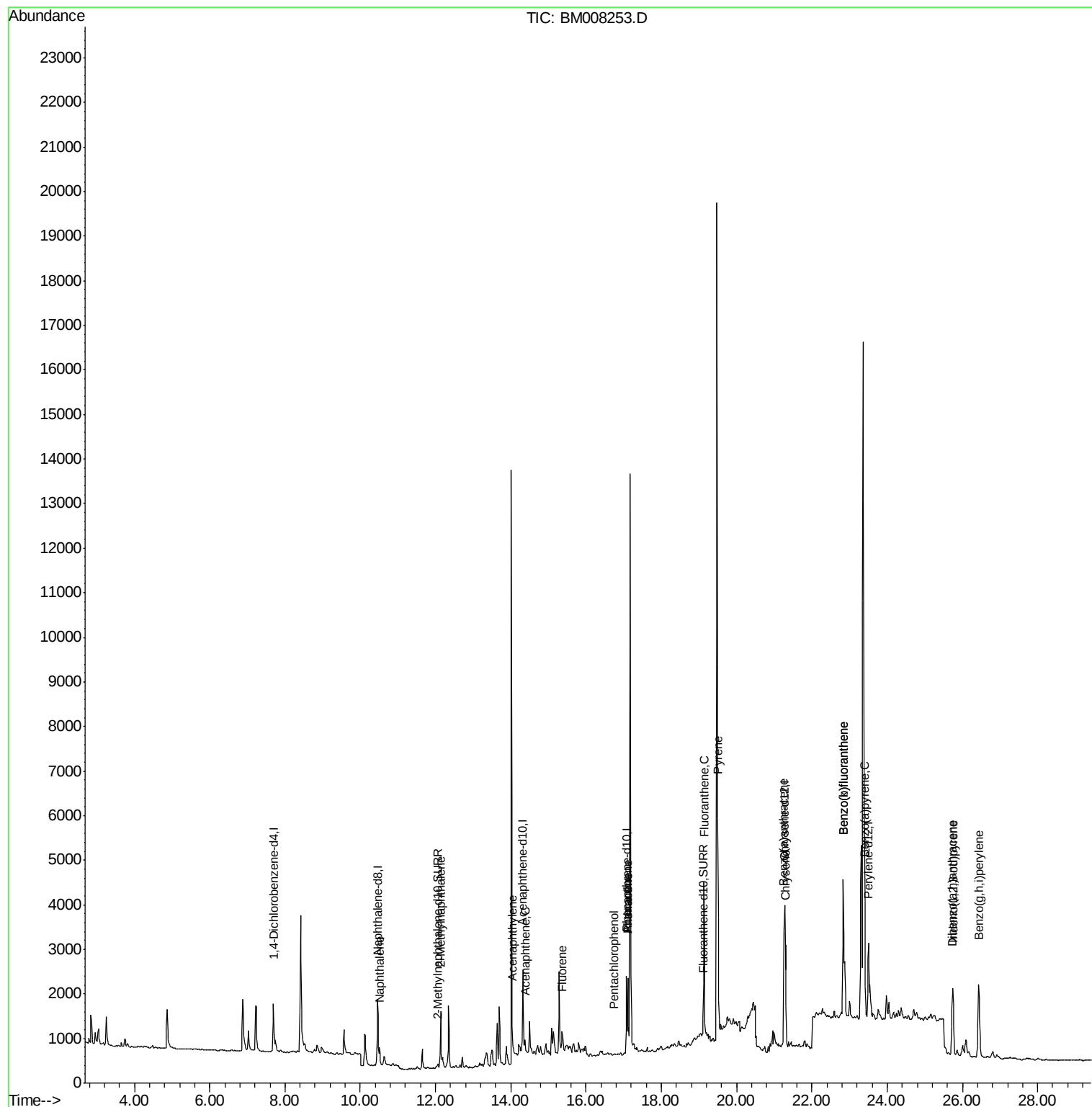
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.51	128	594	0.09	ng/ul#	76
5) 2-Methylnaphthalene	12.13	142	1058	0.26	ng/ul	99
7) Acenaphthylene	14.04	152	281	0.05	ng/ul#	43
8) Acenaphthene	14.38	153	154	0.03	ng/ul#	84
9) Fluorene	15.38	166	378	0.07	ng/ul#	64
11) Pentachlorophenol	16.75	266	20	0.03	ng/ul#	72
12) Phenanthrene	17.11	178	2042	0.29	ng/ul	95
13) Anthracene	17.11	178	2001	0.31	ng/ul	96
15) Fluoranthene	19.14	202	3846	0.43	ng/ul	87
17) Pyrene	19.50	202	4123	0.55	ng/ul	96
18) Benzo(a)anthracene	21.26	228	2453	0.37	ng/ul#	86
19) Chrysene	21.31	228	2698	0.33	ng/ul#	86
21) Benzo(b)fluoranthene	22.83	252	6647	0.79	ng/ul	97
22) Benzo(k)fluoranthene	22.83	252	6647	0.76	ng/ul	99
23) Benzo(a)pyrene	23.40	252	3394	0.43	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	25.75	276	2441	0.25	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.74	278	927	0.12	ng/ul#	50
26) Benzo(g,h,i)perylene	26.44	276	3664	0.42	ng/ul	93

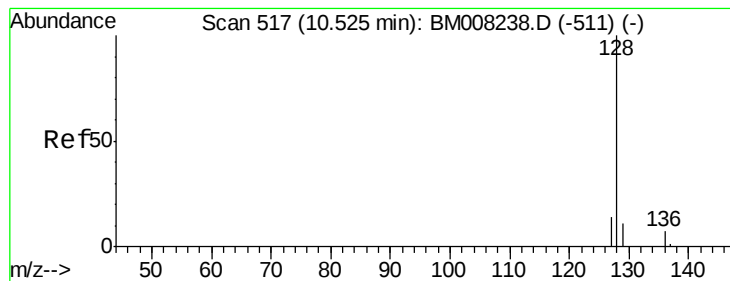
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.09 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.01 min

Lab File: BM008253.D

Acq: 11 Dec 2016 03:40

Instrument :

BNA_M

ClientSampleId :

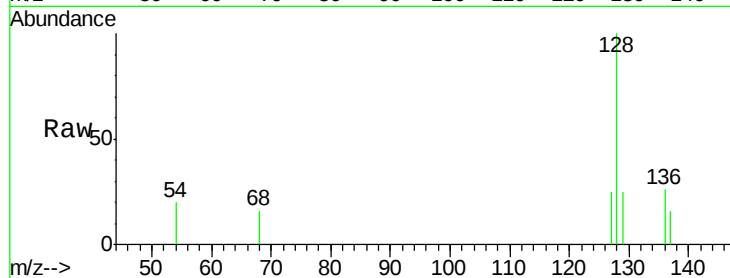
Tot Ion:128 Resp: 594

Ion Ratio Lower Upper

128 100

129 25.0 11.3 16.9#

127 25.3 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

10.51

400

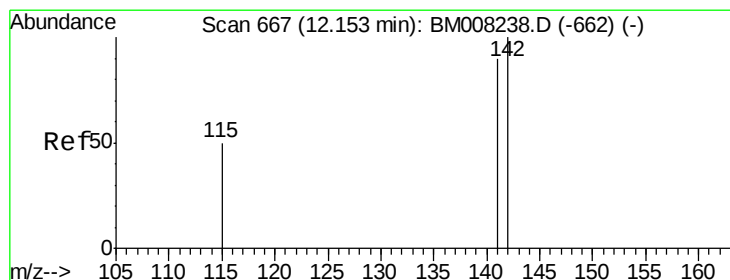
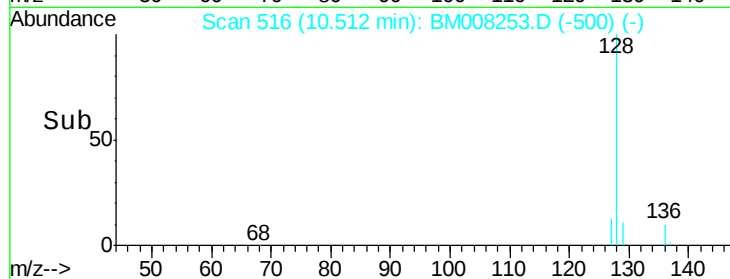
300

200

100

0

Time--> 10.40 10.50 10.60



#5

2-Methylnaphthalene

Concen: 0.26 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.02 min

Lab File: BM008253.D

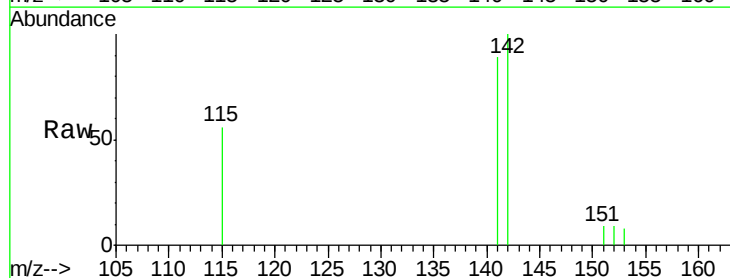
Acq: 11 Dec 2016 03:40

Tgt Ion:142 Resp: 1058

Ion Ratio Lower Upper

142 100

141 89.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.13

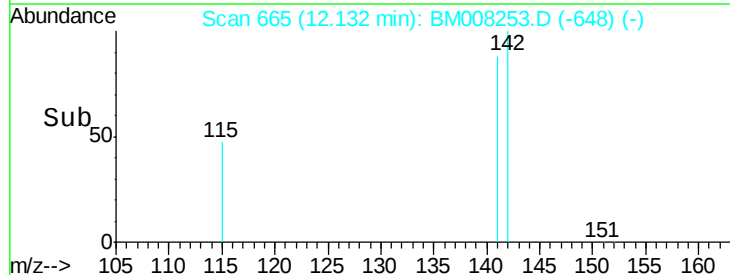
600

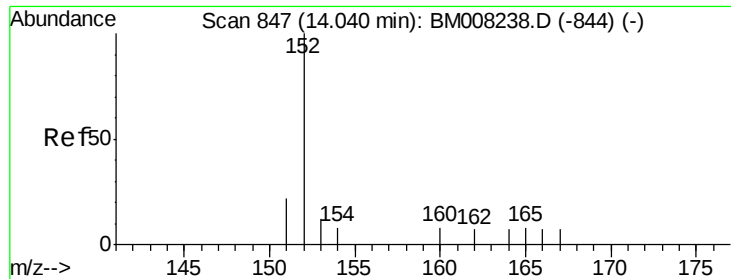
400

200

0

Time--> 12.00 12.20





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM008253.D

Acq: 11 Dec 2016 03:40

Instrument :

BNA_M

ClientSampled :

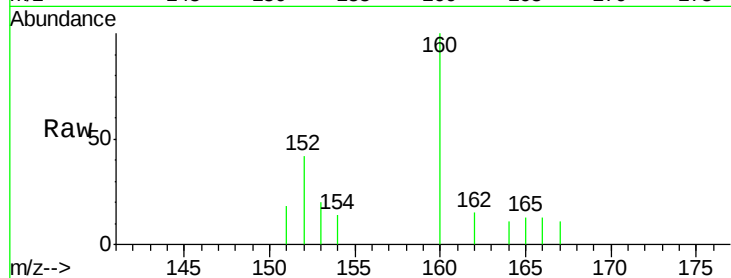
Tot Ion:152 Resp: 281

Ion Ratio Lower Upper

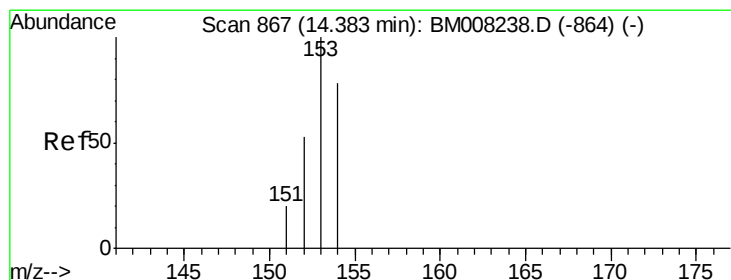
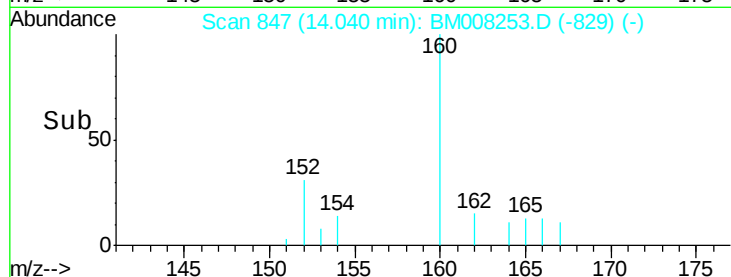
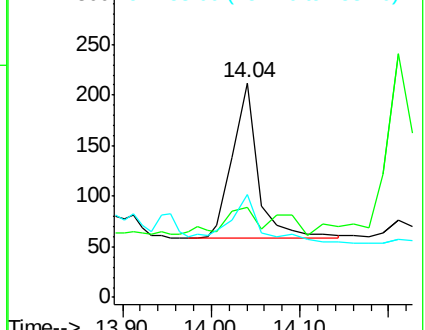
152 100

151 42.0 17.1 25.7#

153 48.1 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: 0.03 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM008253.D

Acq: 11 Dec 2016 03:40

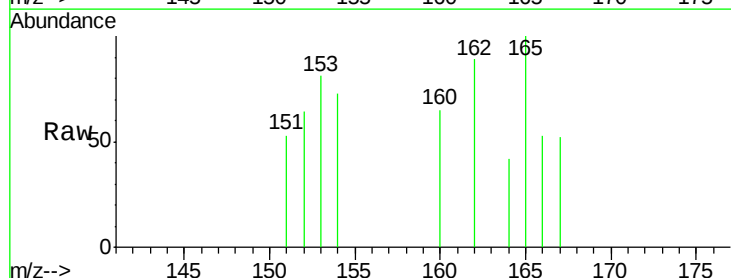
Tgt Ion:153 Resp: 154

Ion Ratio Lower Upper

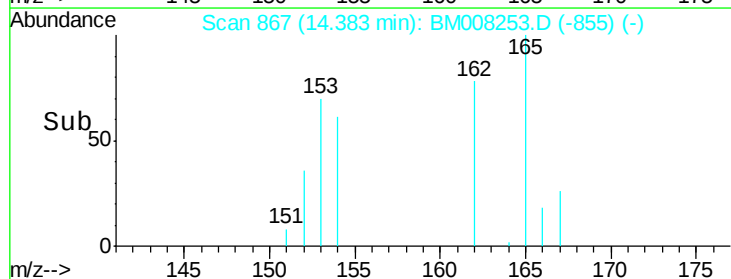
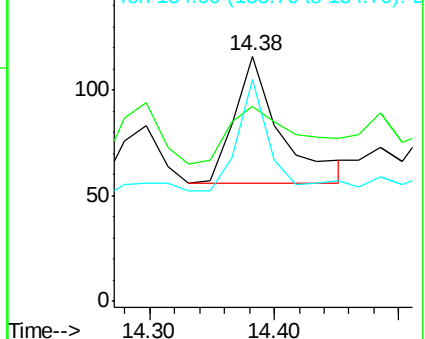
153 100

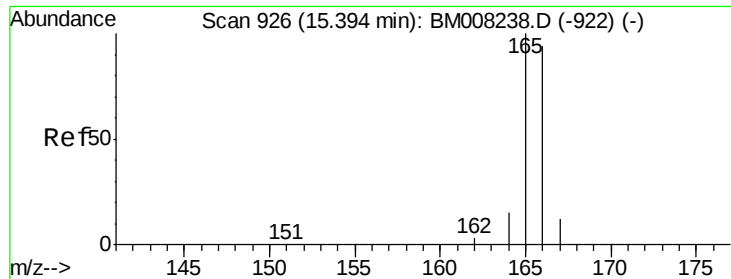
152 79.3 40.3 60.5#

154 90.5 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

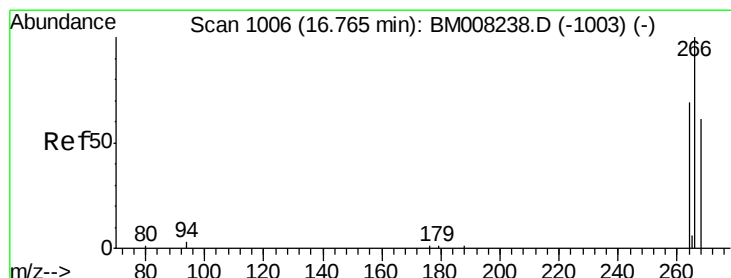
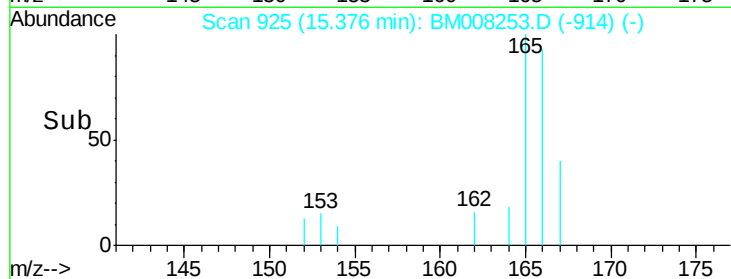
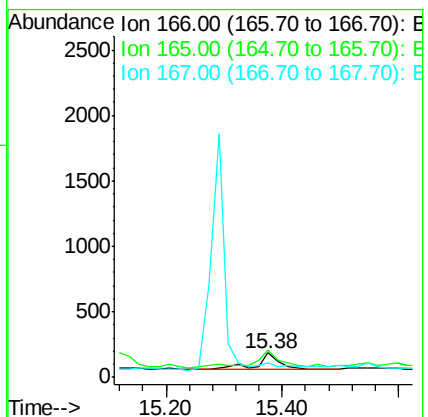
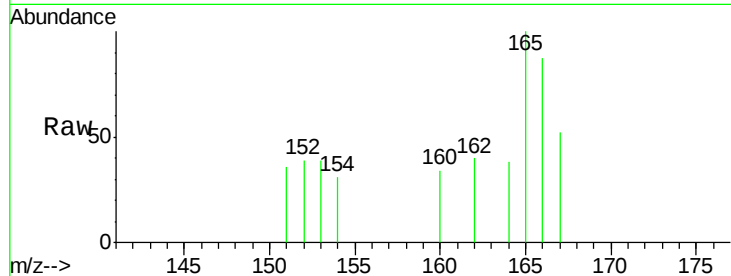




#9
Fluorene
 Concen: 0.07 ng/ul
 RT: 15.38 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: BM008253.D
 Acq: 11 Dec 2016 03:40

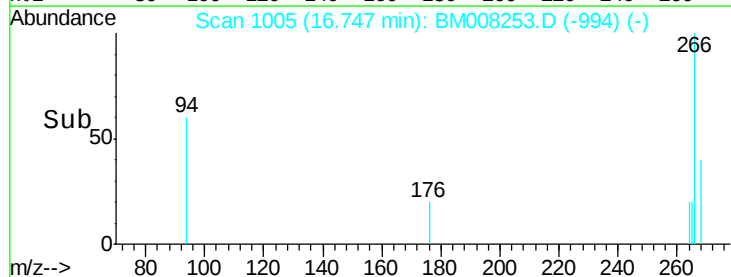
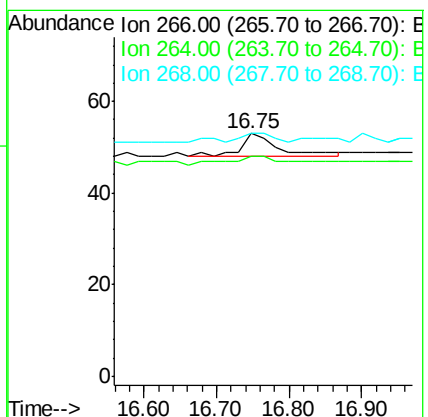
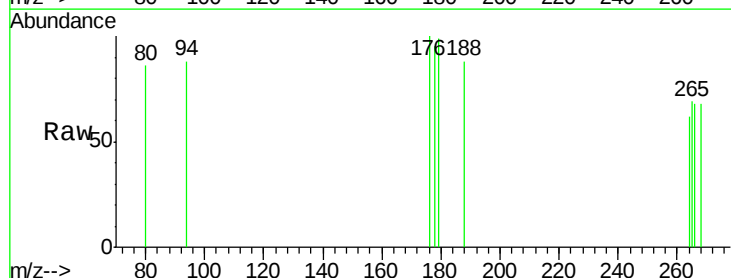
Instrument :
 BNA_M
 ClientSampleId :

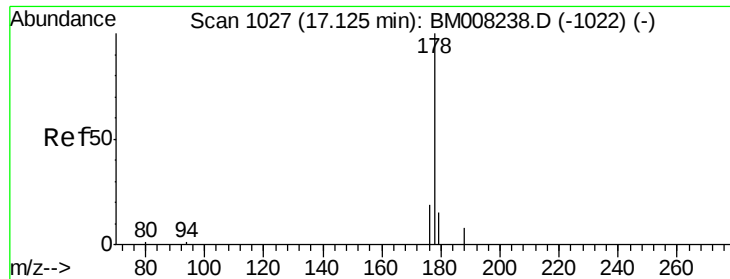
Tot Ion:166 Resp: 378
 Ion Ratio Lower Upper
 166 100
 165 115.2 73.4 110.2#
 167 59.8 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.03 ng/ul
 RT: 16.75 min Scan# 1005
 Delta R.T. -0.02 min
 Lab File: BM008253.D
 Acq: 11 Dec 2016 03:40

Tgt Ion:266 Resp: 20
 Ion Ratio Lower Upper
 266 100
 264 70.0 47.9 71.9
 268 30.0 49.8 74.8#

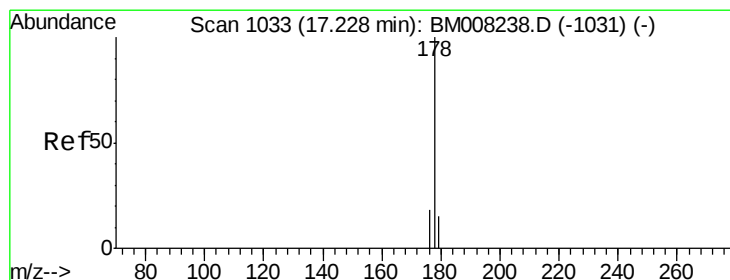
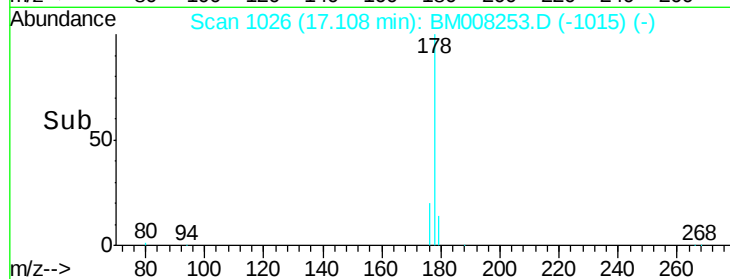
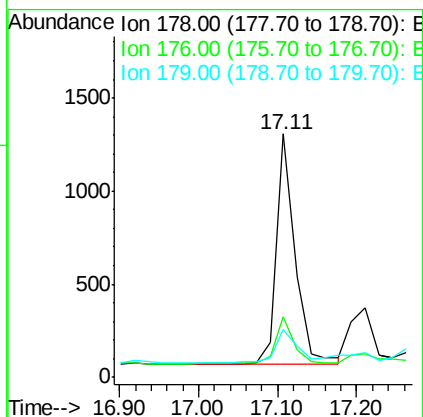
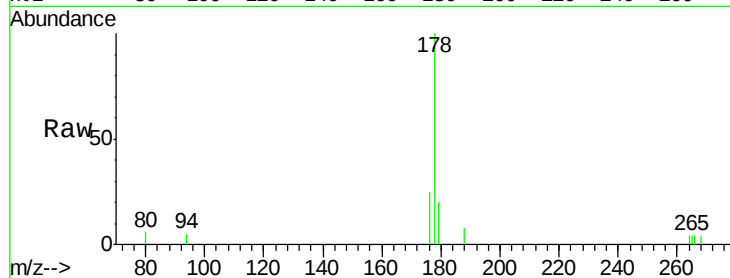




#12
Phenanthrene
Concen: 0.29 ng/ul
RT: 17.11 min Scan# 1026
Delta R.T. -0.02 min
Lab File: BM008253.D
Acq: 11 Dec 2016 03:40

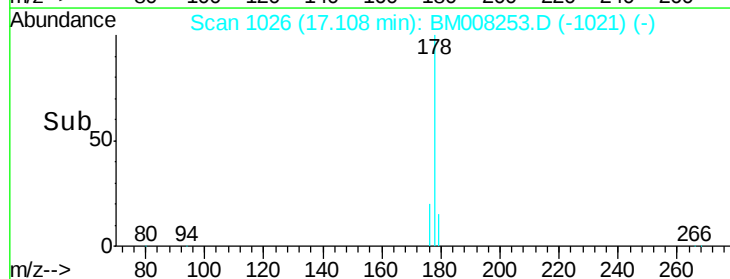
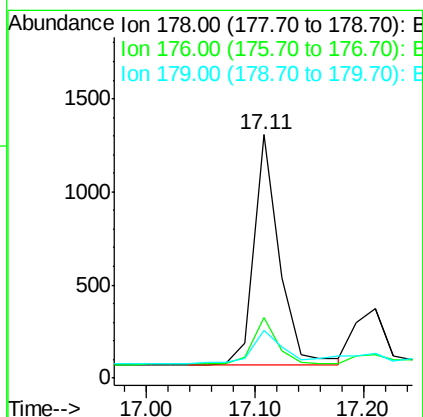
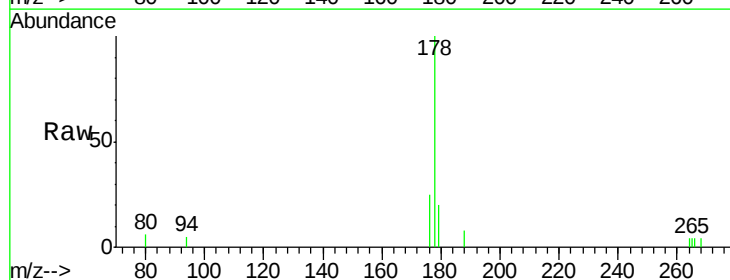
Instrument :
BNA_M
ClientSampleId :

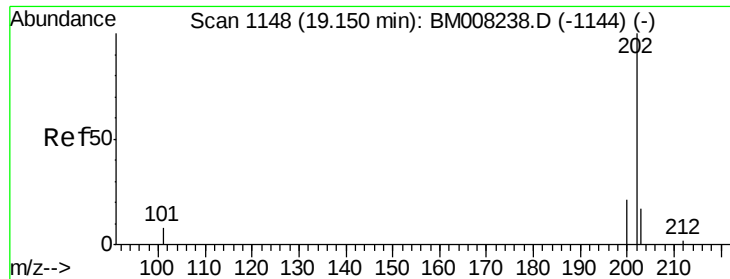
Tot Ion:178 Resp: 2042
Ion Ratio Lower Upper
178 100
176 25.0 18.4 27.6
179 19.9 13.6 20.4



#13
Anthracene
Concen: 0.31 ng/ul
RT: 17.11 min Scan# 1026
Delta R.T. -0.12 min
Lab File: BM008253.D
Acq: 11 Dec 2016 03:40

Tgt Ion:178 Resp: 2001
Ion Ratio Lower Upper
178 100
176 25.0 18.1 27.1
179 19.9 14.7 22.1

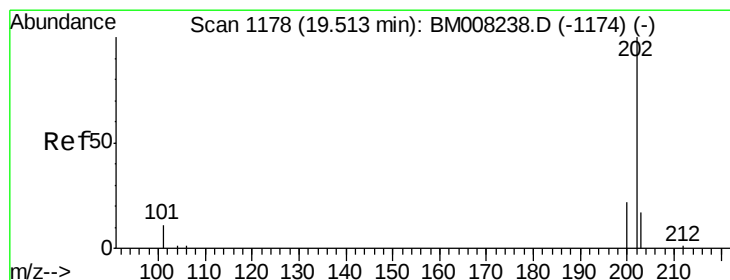
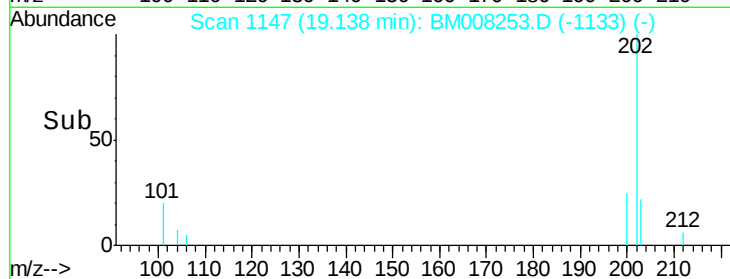
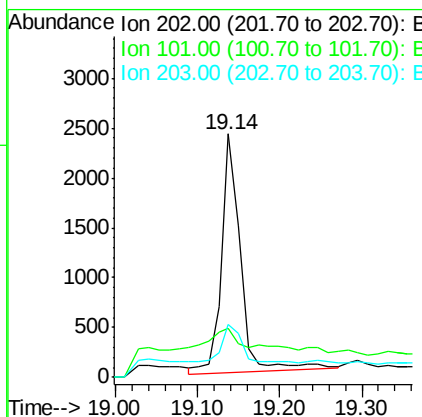
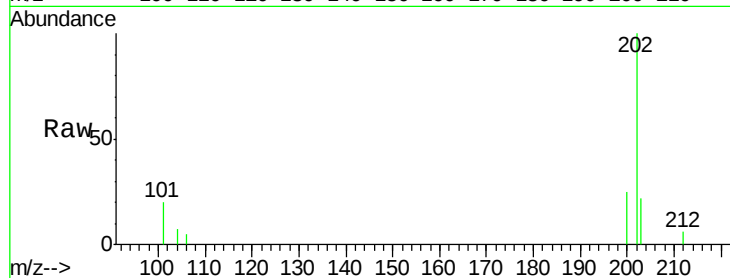




#15
Fluoranthene
Concen: 0.43 ng/ul
RT: 19.14 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BM008253.D
Acq: 11 Dec 2016 03:40

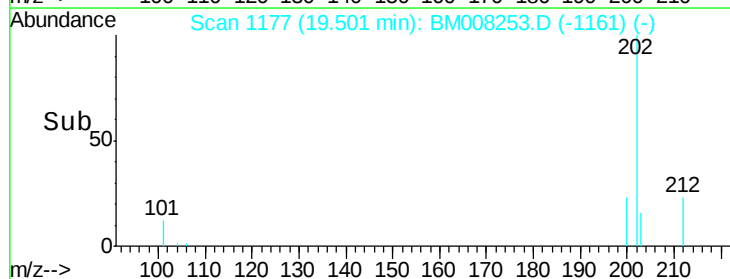
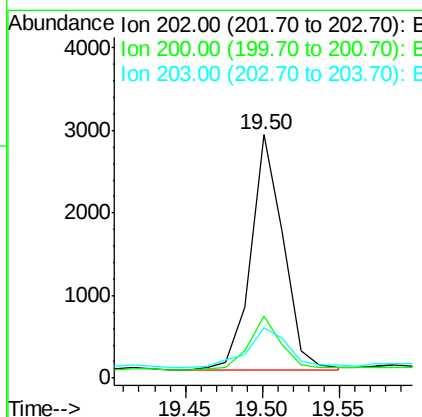
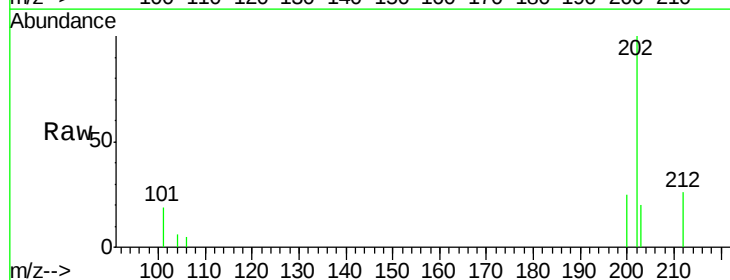
Instrument :
BNA_M
ClientSampleId :

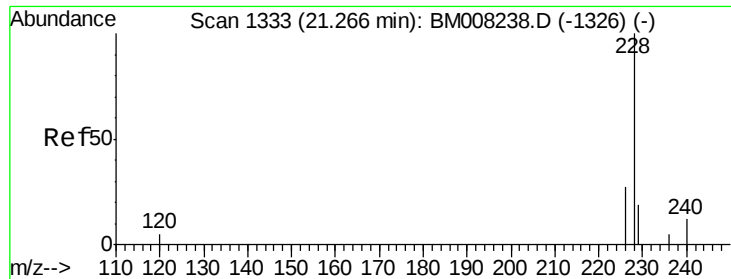
Tot Ion:202 Resp: 3846
Ion Ratio Lower Upper
202 100
101 20.1 0.0 30.3
203 21.9 0.0 39.5



#17
Pyrene
Concen: 0.55 ng/ul
RT: 19.50 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BM008253.D
Acq: 11 Dec 2016 03:40

Tgt Ion:202 Resp: 4123
Ion Ratio Lower Upper
202 100
200 25.5 18.2 27.4
203 20.5 15.6 23.4





#18

Benzo(a)anthracene

Concen: 0.37 ng/ul

RT: 21.26 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BM008253.D

Acq: 11 Dec 2016 03:40

Instrument :

BNA_M

ClientSampleId :

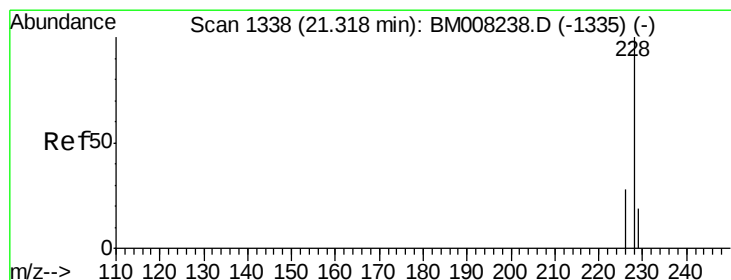
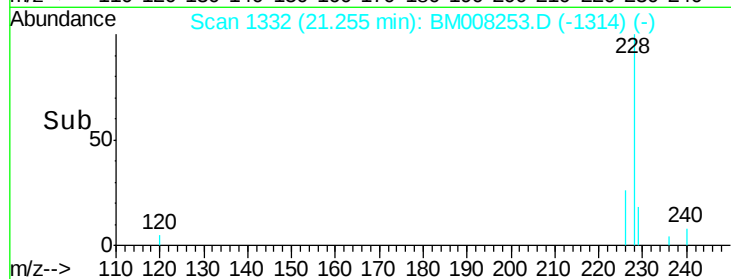
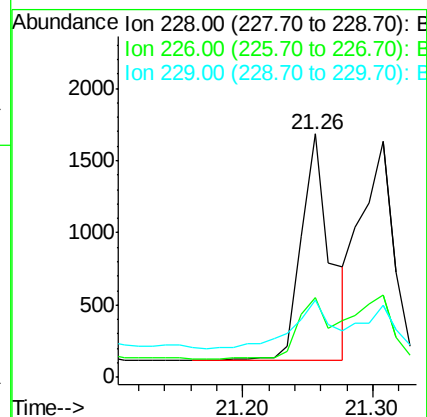
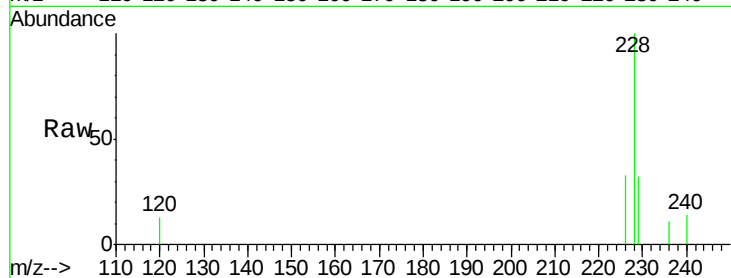
Tot Ion:228 Resp: 2453

Ion Ratio Lower Upper

228 100

226 33.0 22.8 34.2

229 31.9 17.0 25.6#



#19

Chrysene

Concen: 0.33 ng/ul

RT: 21.31 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BM008253.D

Acq: 11 Dec 2016 03:40

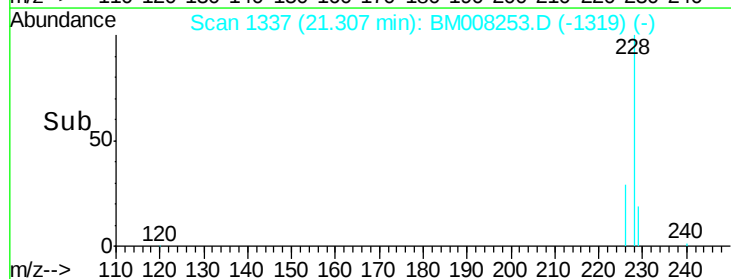
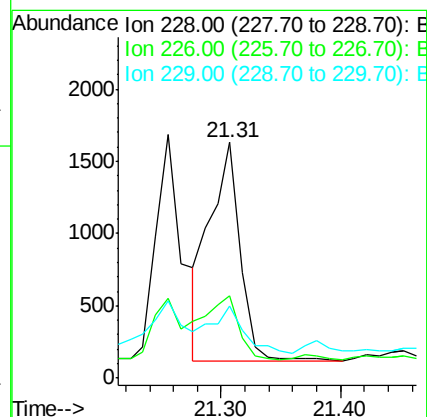
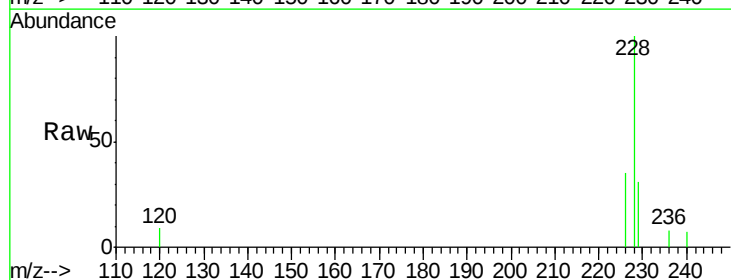
Tgt Ion:228 Resp: 2698

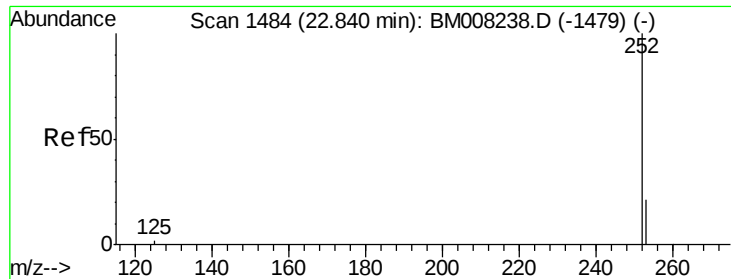
Ion Ratio Lower Upper

228 100

226 35.0 23.4 35.0

229 30.7 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.79 ng/ul

RT: 22.83 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BM008253.D

Acq: 11 Dec 2016 03:40

Instrument :

BNA_M

ClientSampleId :

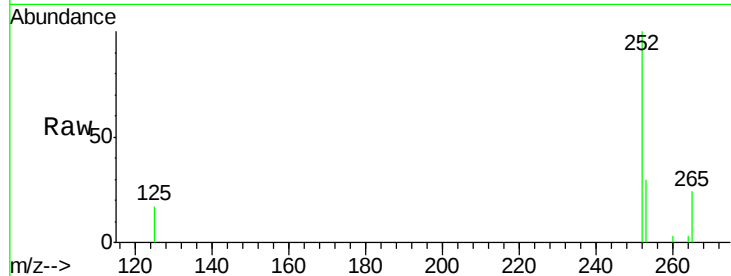
Tot Ion:252 Resp: 6647

Ion Ratio Lower Upper

252 100

253 29.9 0.0 64.2

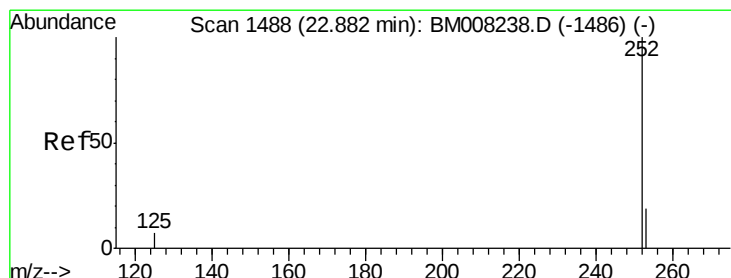
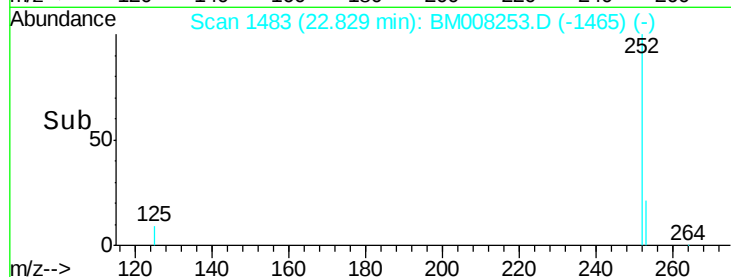
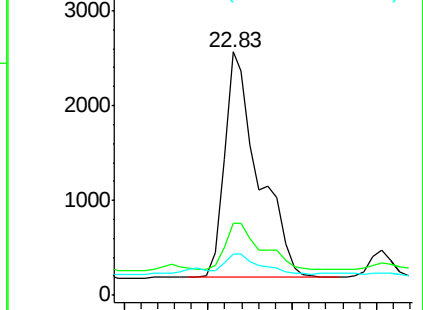
125 17.0 0.0 35.0



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: 0.76 ng/ul

RT: 22.83 min Scan# 1483

Delta R.T. -0.05 min

Lab File: BM008253.D

Acq: 11 Dec 2016 03:40

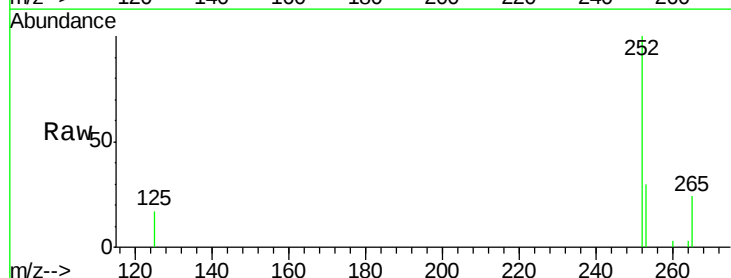
Tgt Ion:252 Resp: 6647

Ion Ratio Lower Upper

252 100

253 29.9 24.5 36.7

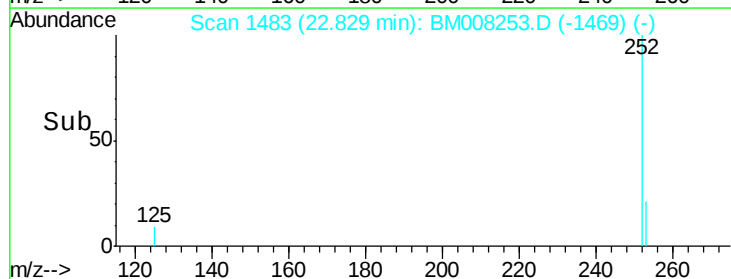
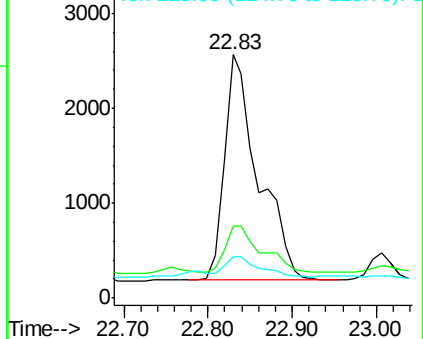
125 17.0 13.7 20.5

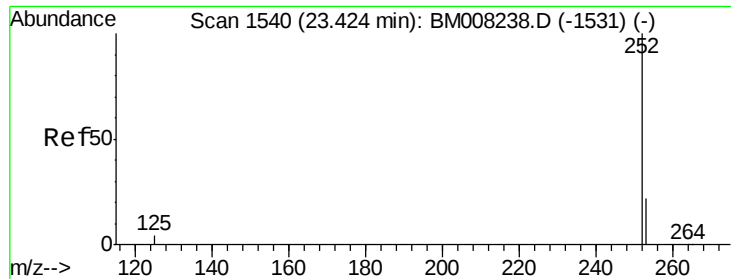


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.43 ng/ul

RT: 23.40 min Scan# 1538

Delta R.T. -0.02 min

Lab File: BM008253.D

Acq: 11 Dec 2016 03:40

Instrument :

BNA_M

ClientSampleId :

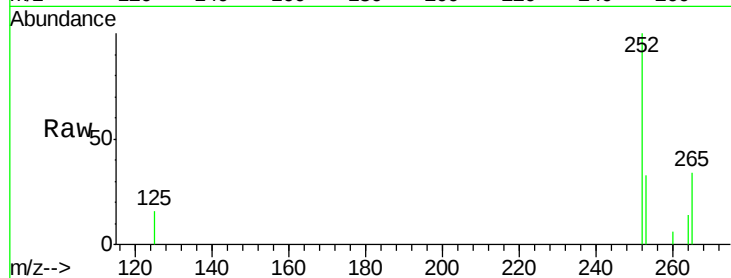
Tot Ion:252 Resp: 3394

Ion Ratio Lower Upper

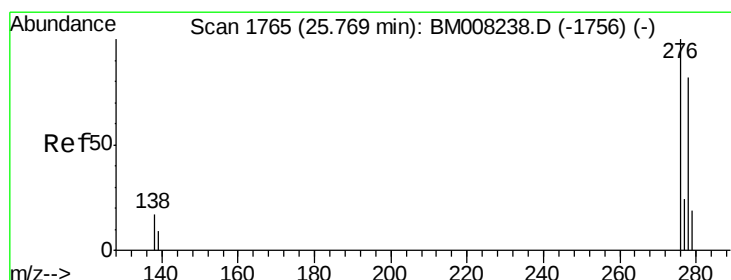
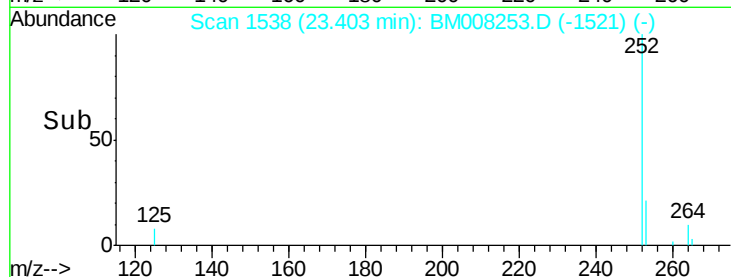
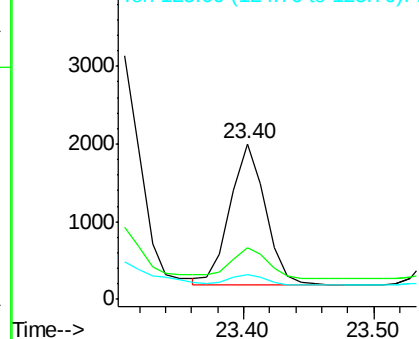
252 100

253 33.3 28.5 42.7

125 16.2 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: 0.25 ng/ul

RT: 25.75 min Scan# 1763

Delta R.T. -0.02 min

Lab File: BM008253.D

Acq: 11 Dec 2016 03:40

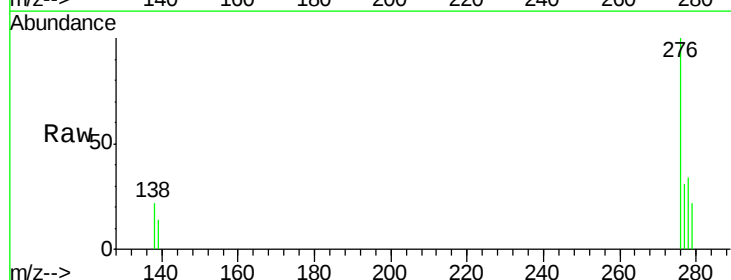
Tgt Ion:276 Resp: 2441

Ion Ratio Lower Upper

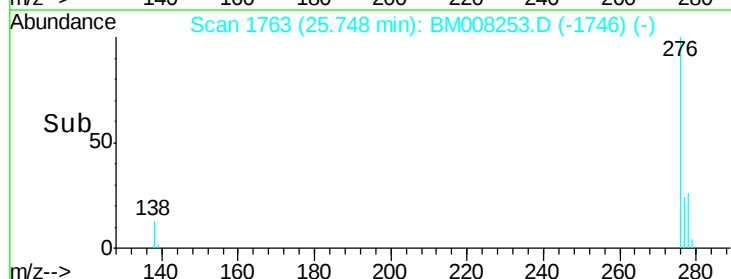
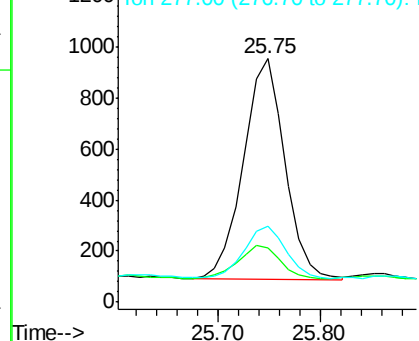
276 100

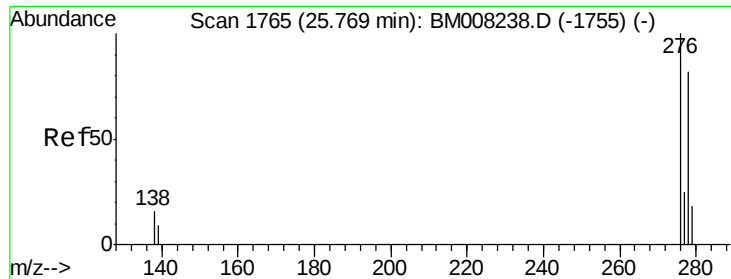
138 16.1 19.1 28.7#

277 23.4 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

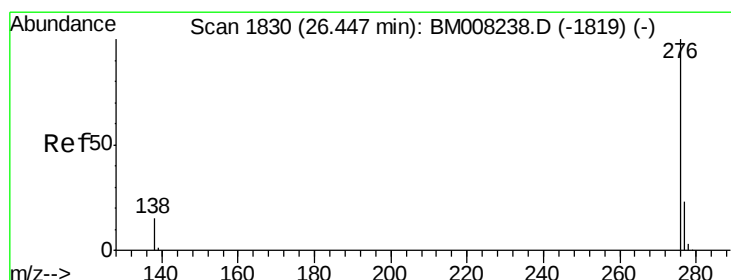
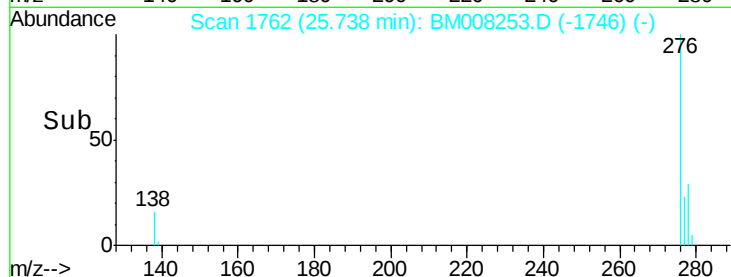
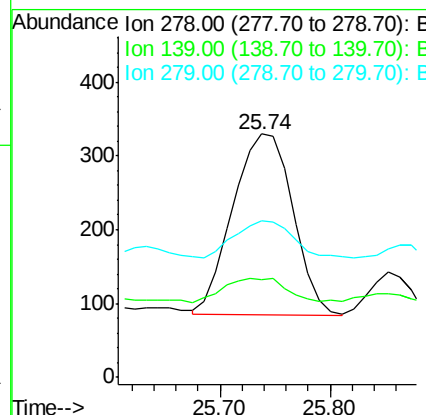
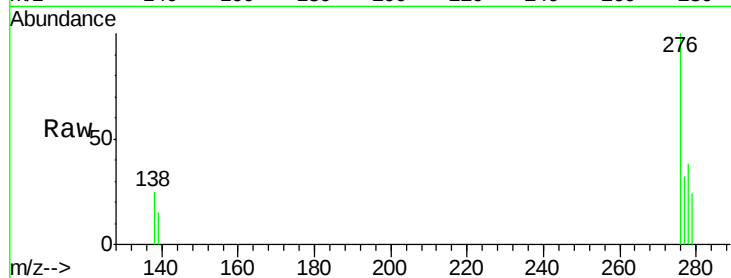




#25
Dibenzo(a,h)anthracene
Concen: 0.12 ng/ul
RT: 25.74 min Scan# 1762
Delta R.T. -0.03 min
Lab File: BM008253.D
Acq: 11 Dec 2016 03:40

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 927
Ion Ratio Lower Upper
278 100
139 40.3 17.4 26.0#
279 64.2 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.42 ng/ul
RT: 26.44 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BM008253.D
Acq: 11 Dec 2016 03:40

Tgt Ion:276 Resp: 3664
Ion Ratio Lower Upper
276 100
277 29.4 21.8 32.8
138 20.7 20.5 30.7

