

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121216\
 Data File : BM008270.D
 Acq On : 12 Dec 2016 19:10
 Operator : UM/SJ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.444

Quant Time: Dec 13 02:32:12 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 13 02:27:35 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	693	0.40	ng/ul	0.00
2) Naphthalene-d8	10.48	136	2563	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.33	164	1503	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.09	188	2529	0.40	ng/ul	0.00
16) Chrysene-d12	21.28	240	2046	0.40	ng/ul	0.00
20) Perylene-d12	23.52	264	1970	0.40	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.07	152	1483	0.41	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	2934	0.41	ng/ul	0.00

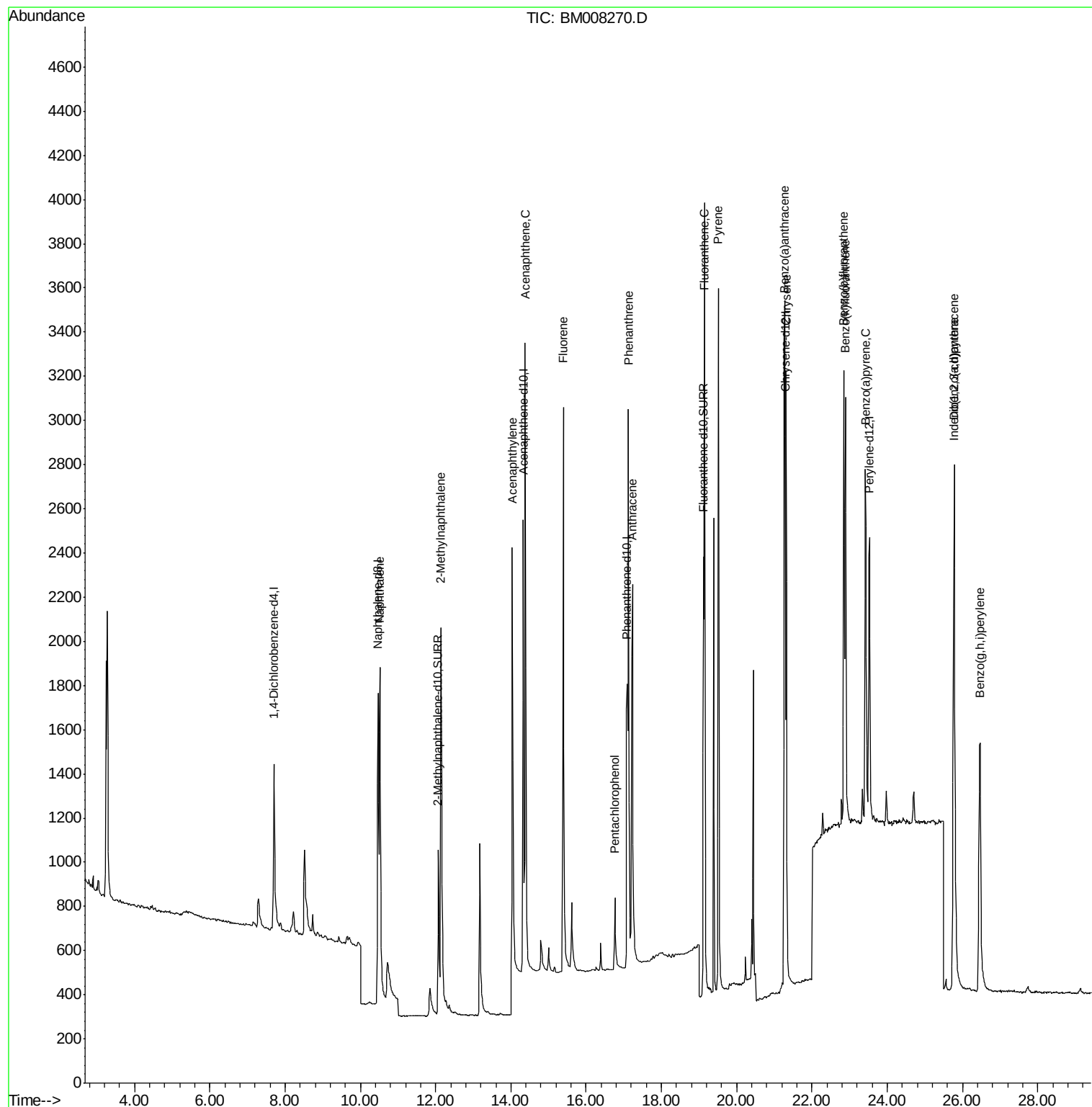
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.52	128	2786	0.39	ng/ul	98
5) 2-Methylnaphthalene	12.14	142	1873	0.41	ng/ul	98
7) Acenaphthylene	14.04	152	2702	0.40	ng/ul	98
8) Acenaphthene	14.38	153	2031	0.39	ng/ul	94
9) Fluorene	15.39	166	2222	0.37	ng/ul	93
11) Pentachlorophenol	16.76	266	340	0.39	ng/ul	99
12) Phenanthrene	17.12	178	3202	0.41	ng/ul	96
13) Anthracene	17.23	178	3129	0.42	ng/ul	96
15) Fluoranthene	19.14	202	3875	0.38	ng/ul	92
17) Pyrene	19.51	202	3730	0.53	ng/ul	96
18) Benzo(a)anthracene	21.26	228	2938	0.47	ng/ul	97
19) Chrysene	21.31	228	2841	0.36	ng/ul	95
21) Benzo(b)fluoranthene	22.85	252	2972	0.38	ng/ul	96
22) Benzo(k)fluoranthene	22.89	252	2902	0.36	ng/ul	96
23) Benzo(a)pyrene	23.42	252	2841	0.39	ng/ul#	94
24) Indeno(1,2,3-cd)pyrene	25.77	276	3382	0.37	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.78	278	2714	0.37	ng/ul	96
26) Benzo(g,h,i)perylene	26.46	276	2877	0.36	ng/ul	93

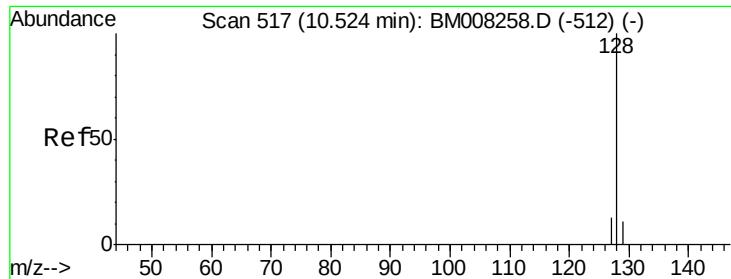
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.52 min Scan# 517

Delta R.T. 0.00 min

Lab File: BM008270.D

Acq: 12 Dec 2016 19:10

Instrument :

BNA_M

ClientSampleId :

SSTD0.444

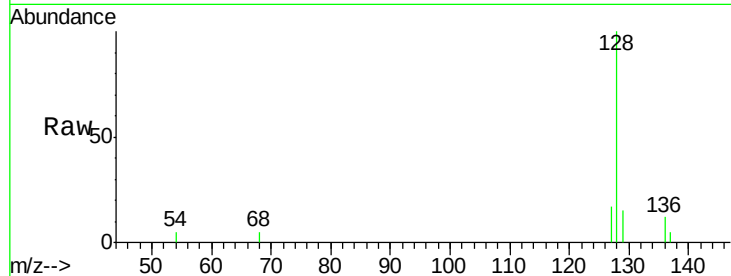
Tgt Ion:128 Resp: 2786

Ion Ratio Lower Upper

128 100

129 14.8 11.3 16.9

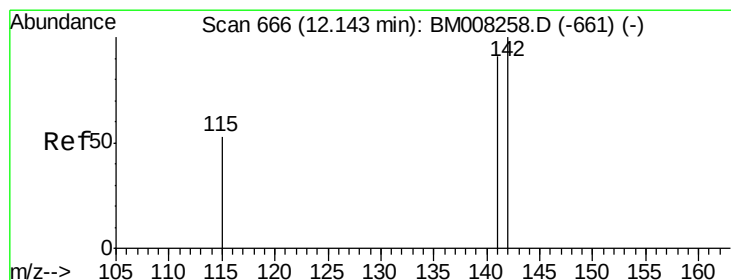
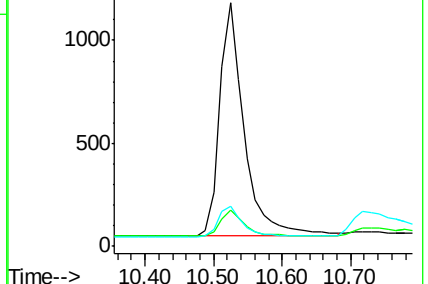
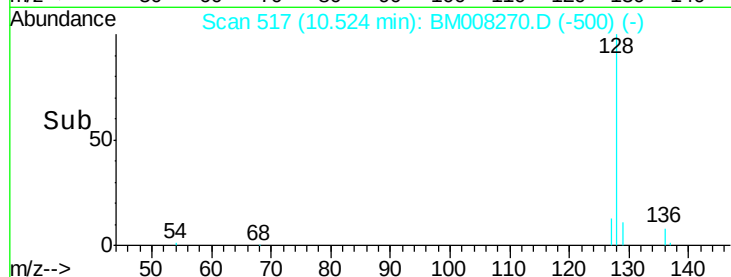
127 16.7 12.8 19.2



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: 0.41 ng/ul

RT: 12.14 min Scan# 666

Delta R.T. 0.00 min

Lab File: BM008270.D

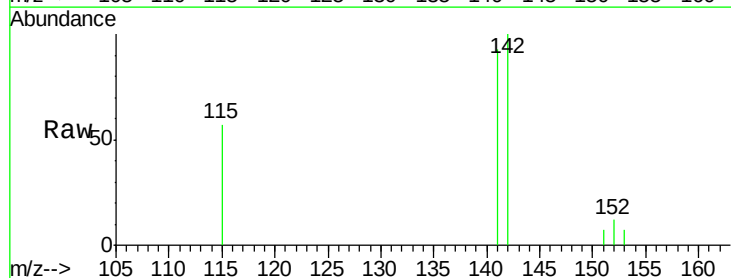
Acq: 12 Dec 2016 19:10

Tgt Ion:142 Resp: 1873

Ion Ratio Lower Upper

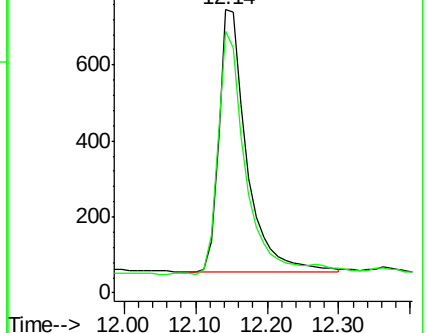
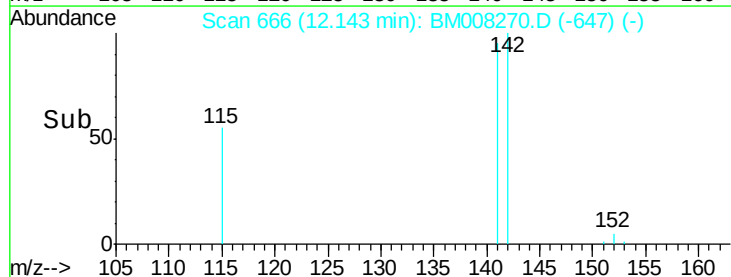
142 100

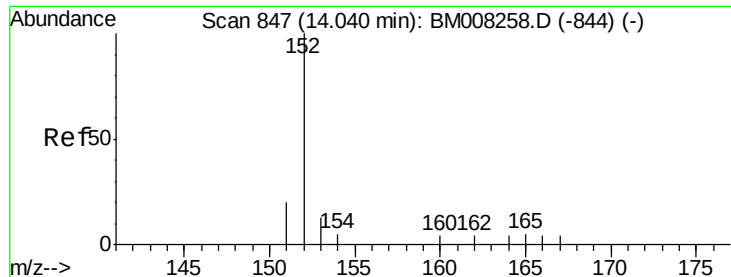
141 92.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.40 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. 0.00 min

Lab File: BM008270.D

Acq: 12 Dec 2016 19:10

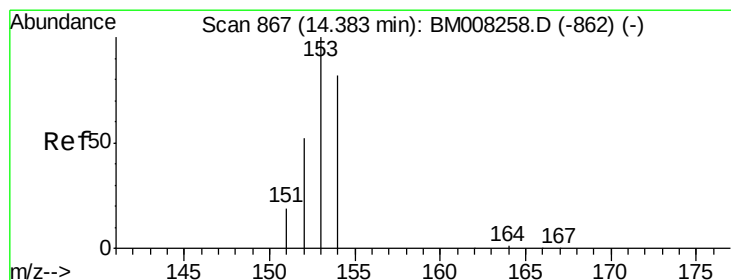
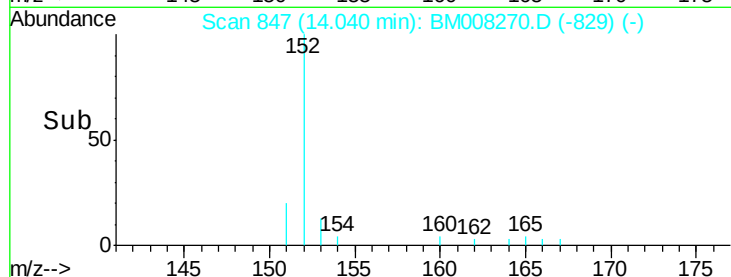
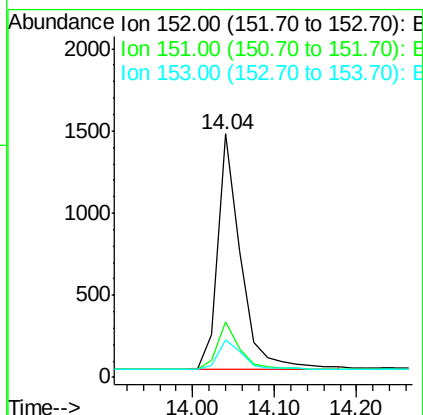
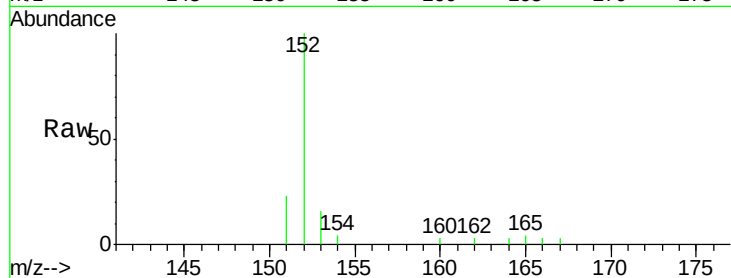
Instrument :

BNA_M

ClientSampleId :

SSTD0.444

Tgt Ion:	152	Resp:	2702
Ion	Ratio	Lower	Upper
152	100		
151	23.0	17.1	25.7
153	15.5	12.8	19.2



#8

Acenaphthene

Concen: 0.39 ng/ul

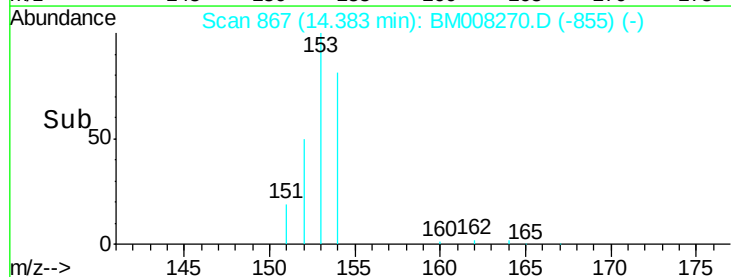
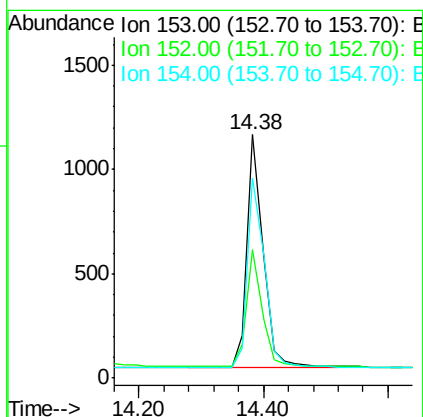
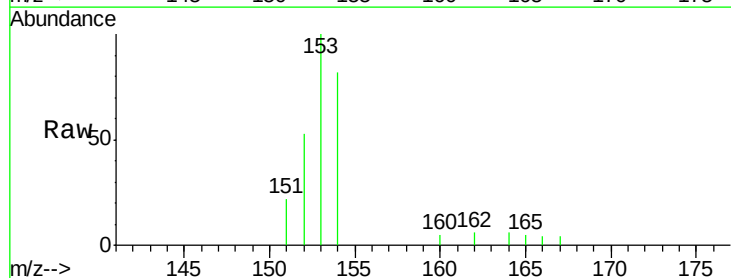
RT: 14.38 min Scan# 867

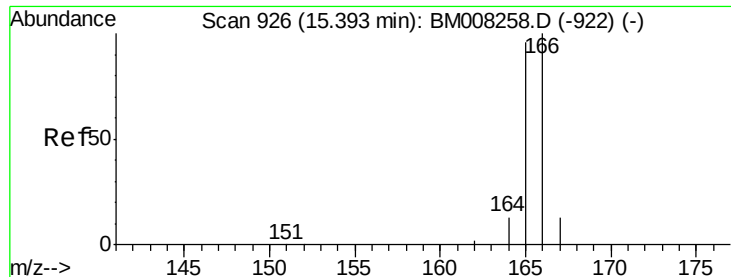
Delta R.T. 0.00 min

Lab File: BM008270.D

Acq: 12 Dec 2016 19:10

Tgt Ion:	153	Resp:	2031
Ion	Ratio	Lower	Upper
153	100		
152	53.0	40.3	60.5
154	82.1	71.4	107.2





#9

Fluorene

Concen: 0.37 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. 0.00 min

Lab File: BM008270.D

Acq: 12 Dec 2016 19:10

Instrument :

BNA_M

ClientSampleId :

SSTD0.444

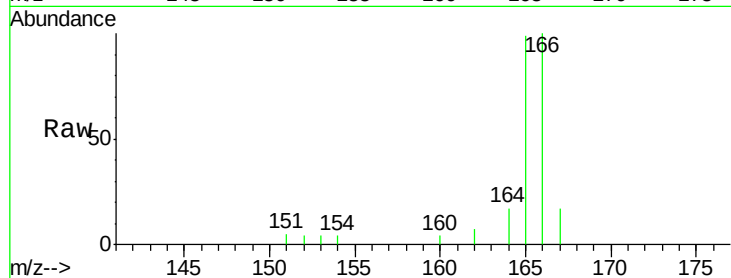
Tgt Ion:166 Resp: 2222

Ion Ratio Lower Upper

166 100

165 98.7 73.4 110.2

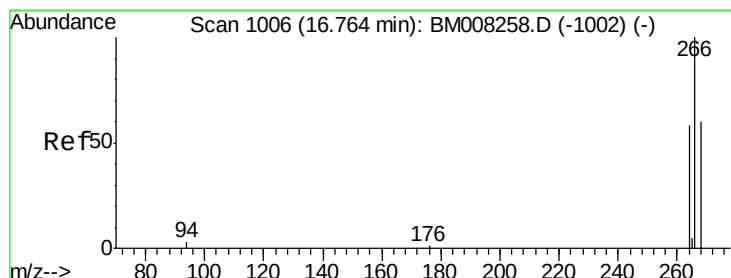
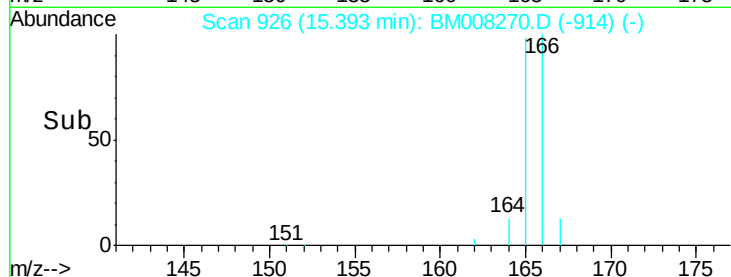
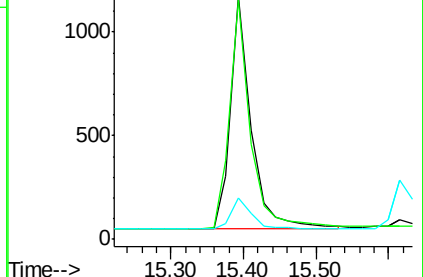
167 16.8 14.6 22.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.39 ng/ul

RT: 16.76 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BM008270.D

Acq: 12 Dec 2016 19:10

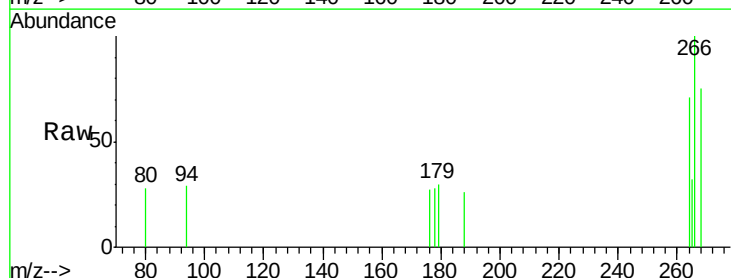
Tgt Ion:266 Resp: 340

Ion Ratio Lower Upper

266 100

264 60.9 47.9 71.9

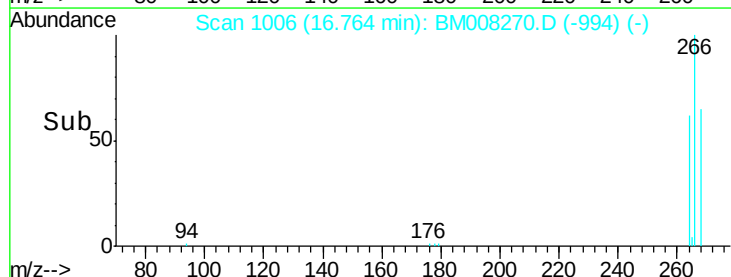
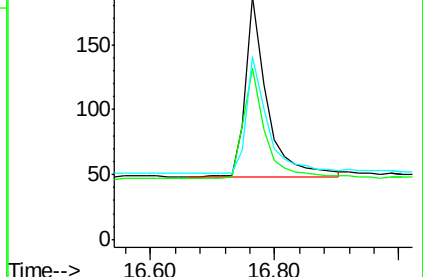
268 62.9 49.8 74.8

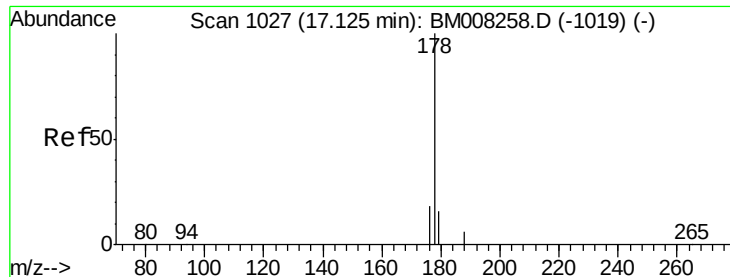


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.41 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BM008270.D

Acq: 12 Dec 2016 19:10

Instrument :

BNA_M

ClientSampleId :

SSTD0.444

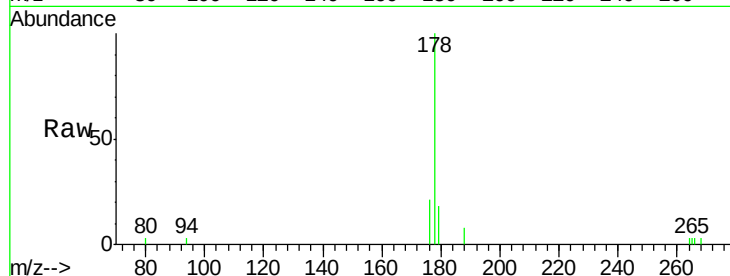
Tgt Ion:178 Resp: 3202

Ion Ratio Lower Upper

178 100

176 20.9 18.4 27.6

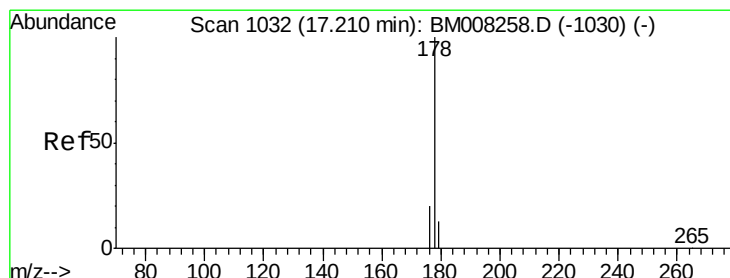
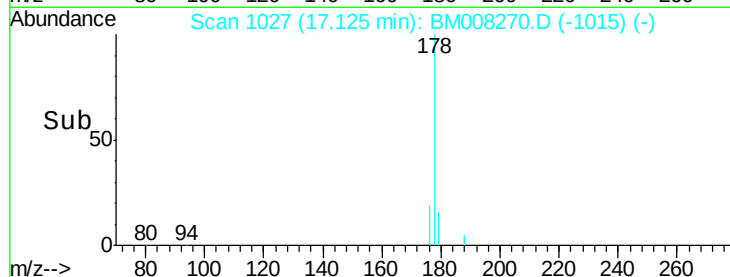
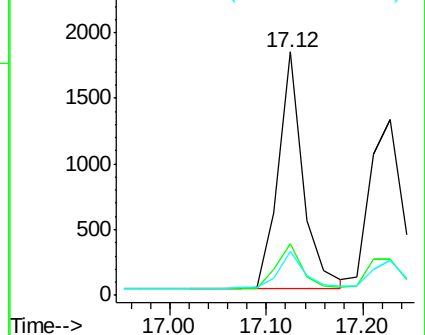
179 18.1 13.6 20.4



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: 0.42 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. 0.02 min

Lab File: BM008270.D

Acq: 12 Dec 2016 19:10

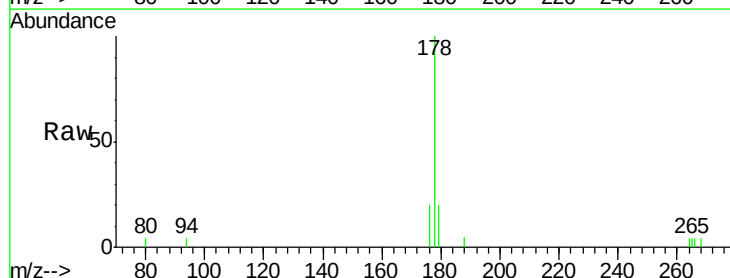
Tgt Ion:178 Resp: 3129

Ion Ratio Lower Upper

178 100

176 20.3 18.1 27.1

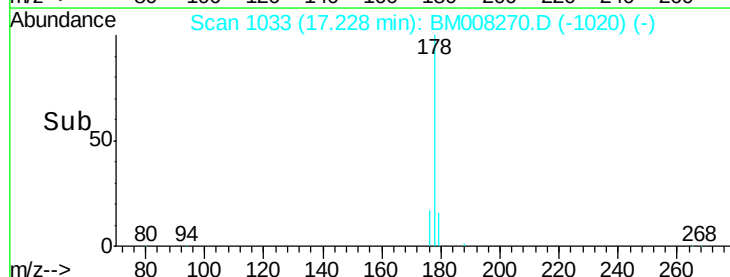
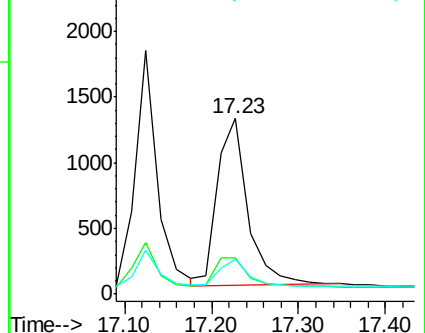
179 20.0 14.7 22.1

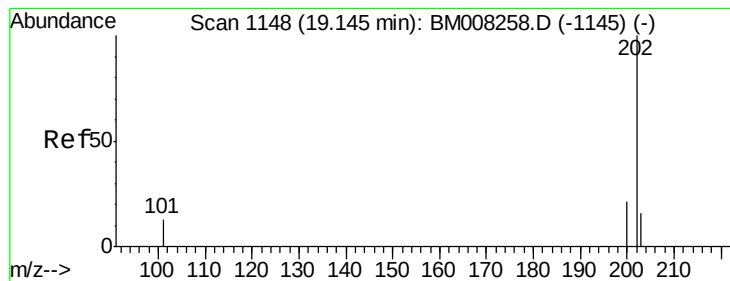


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.38 ng/ul

RT: 19.14 min Scan# 1148

Delta R.T. 0.00 min

Lab File: BM008270.D

Acq: 12 Dec 2016 19:10

Instrument :

BNA_M

ClientSampleId :

SSTD0.444

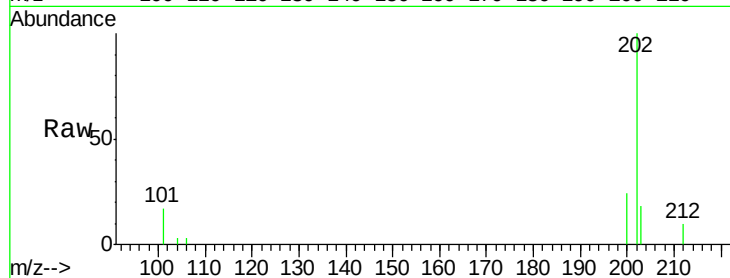
Tgt Ion:202 Resp: 3875

Ion Ratio Lower Upper

202 100

101 16.9 0.0 30.3

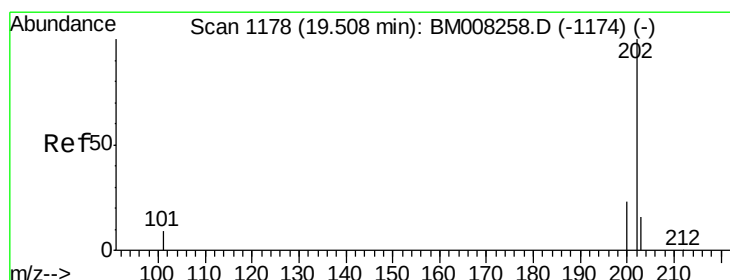
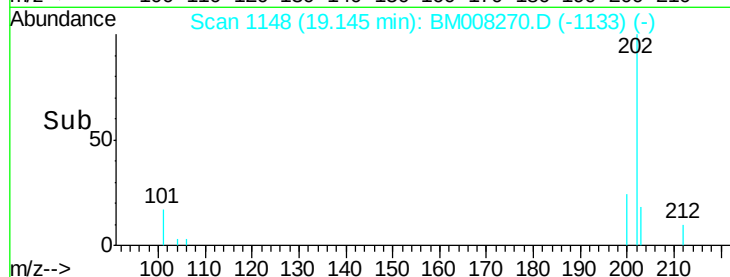
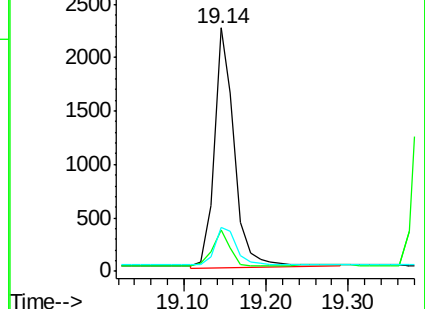
203 18.2 0.0 39.5



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: 0.53 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BM008270.D

Acq: 12 Dec 2016 19:10

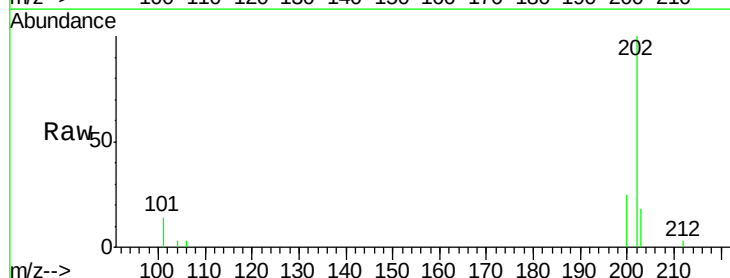
Tgt Ion:202 Resp: 3730

Ion Ratio Lower Upper

202 100

200 25.5 18.2 27.4

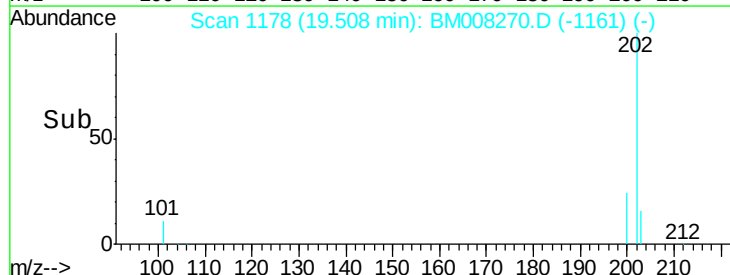
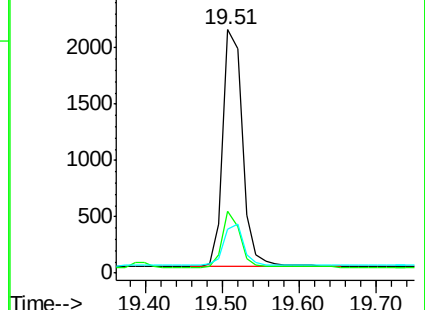
203 18.2 15.6 23.4

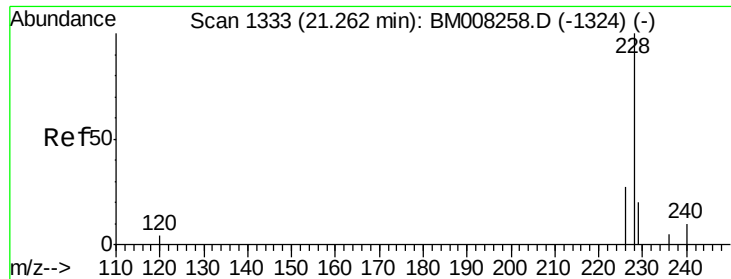


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.47 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BM008270.D

Acq: 12 Dec 2016 19:10

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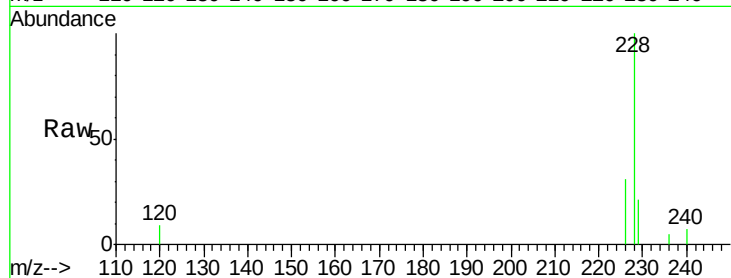
Tgt Ion:228 Resp: 2938

Ion Ratio Lower Upper

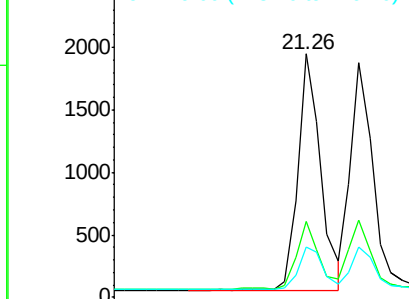
228 100

226 31.1 22.8 34.2

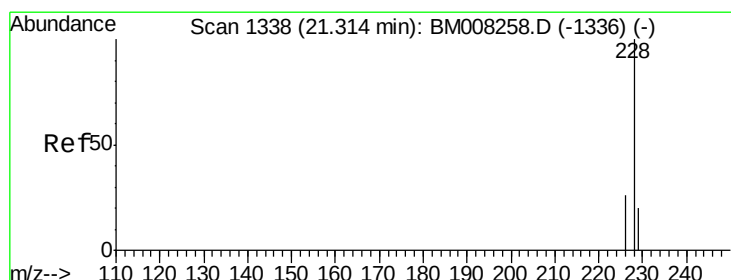
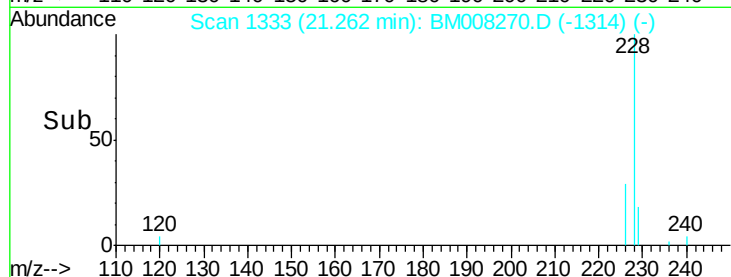
229 20.8 17.0 25.6



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



Time-->



#19

Chrysene

Concen: 0.36 ng/ul

RT: 21.31 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BM008270.D

Acq: 12 Dec 2016 19:10

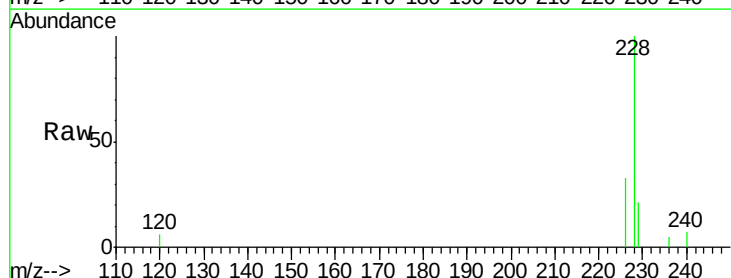
Tgt Ion:228 Resp: 2841

Ion Ratio Lower Upper

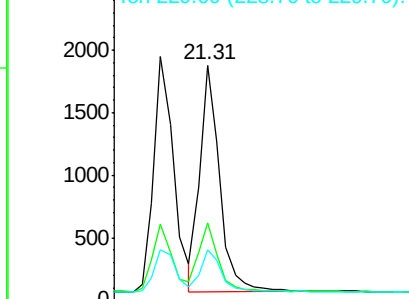
228 100

226 32.8 23.4 35.0

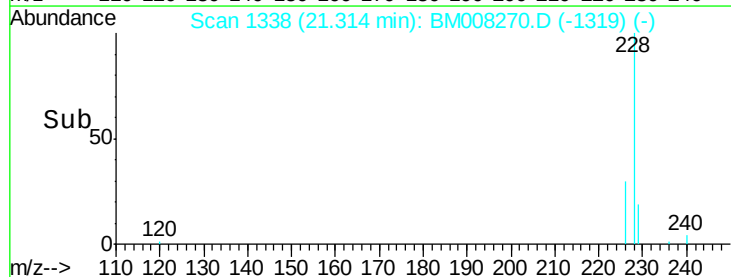
229 21.3 17.7 26.5

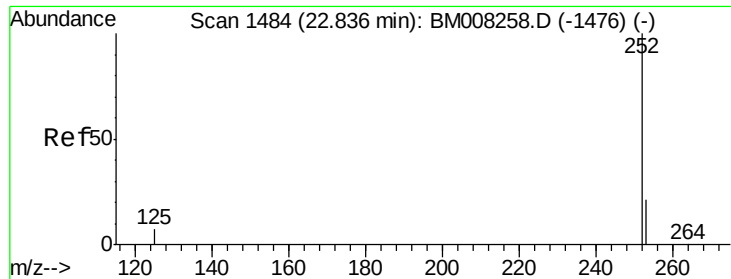


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->





#21

Benzo(b)fluoranthene

Concen: 0.38 ng/ul

RT: 22.85 min Scan# 1485

Delta R.T. 0.01 min

Lab File: BM008270.D

Acq: 12 Dec 2016 19:10

Instrument :

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SSTD0.444

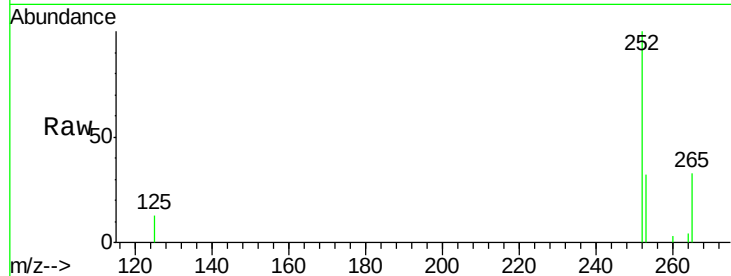
Tgt Ion:252 Resp: 2972

Ion Ratio Lower Upper

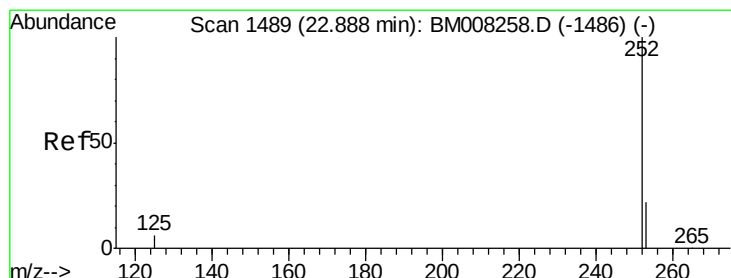
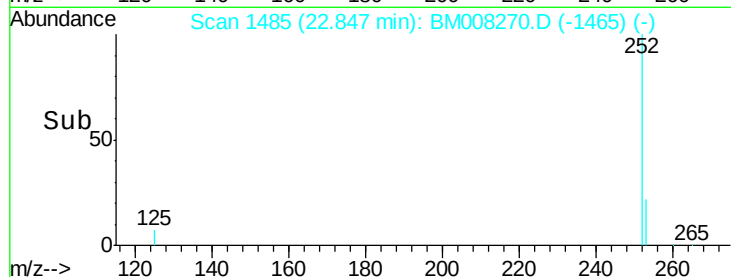
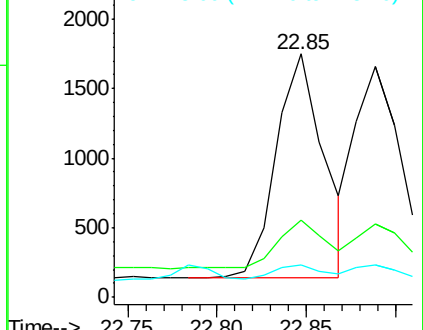
252 100

253 31.5 0.0 64.2

125 13.3 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: 0.36 ng/ul

RT: 22.89 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BM008270.D

Acq: 12 Dec 2016 19:10

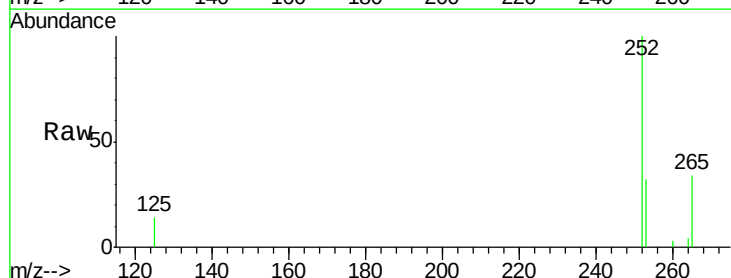
Tgt Ion:252 Resp: 2902

Ion Ratio Lower Upper

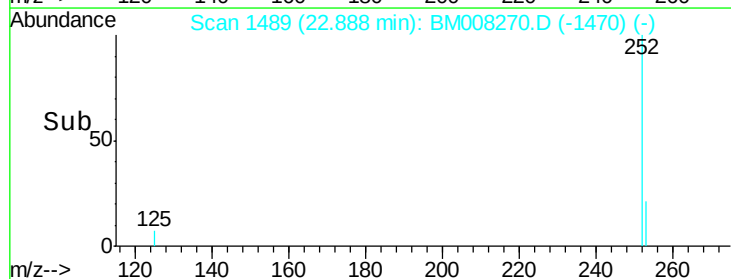
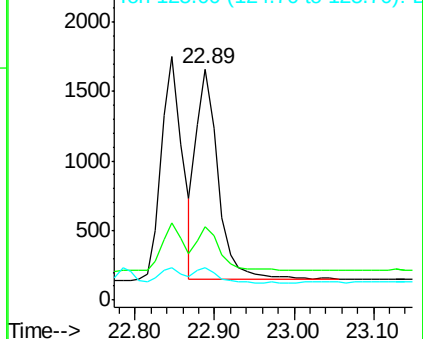
252 100

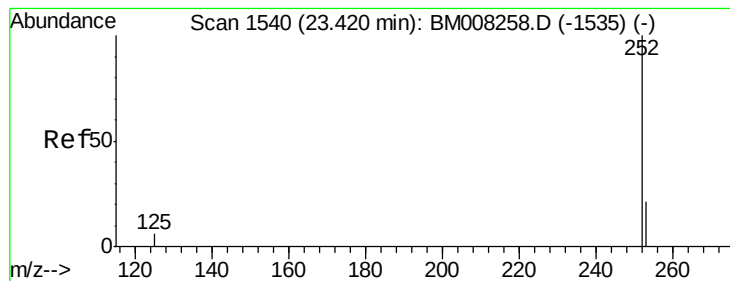
253 31.7 24.5 36.7

125 14.0 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: 0.39 ng/ul

RT: 23.42 min Scan# 1540

Delta R.T. 0.00 min

Lab File: BM008270.D

Acq: 12 Dec 2016 19:10

Instrument :

BNA_M

ClientSampleId :

SSTD0.444

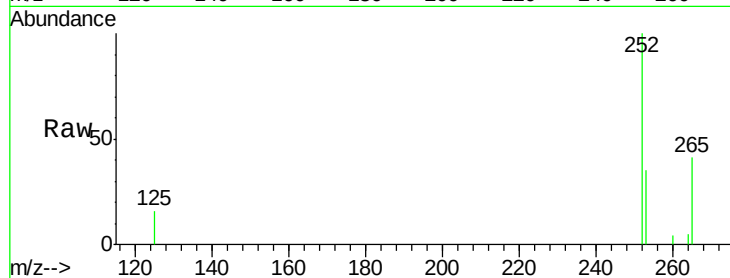
Tgt Ion:252 Resp: 2841

Ion Ratio Lower Upper

252 100

253 34.8 28.5 42.7

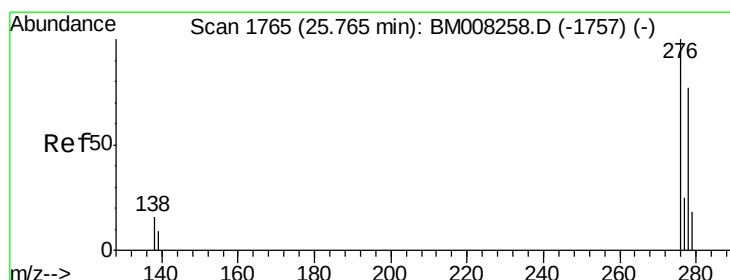
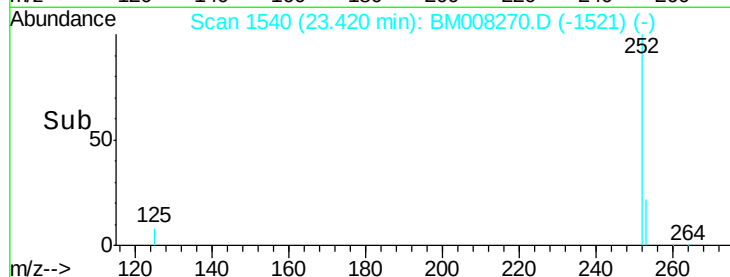
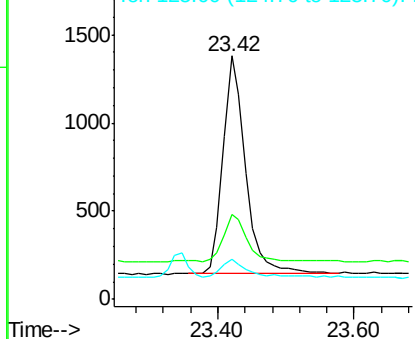
125 16.2 18.1 27.1#



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: 0.37 ng/ul

RT: 25.77 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BM008270.D

Acq: 12 Dec 2016 19:10

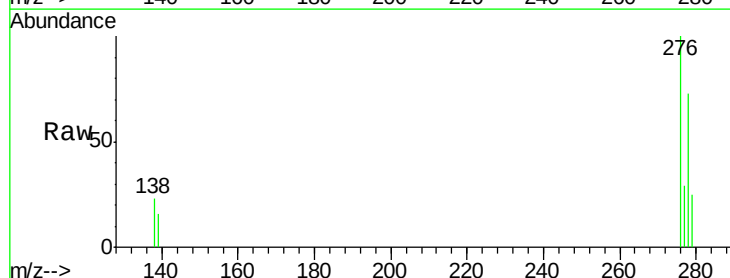
Tgt Ion:276 Resp: 3382

Ion Ratio Lower Upper

276 100

138 18.7 19.1 28.7#

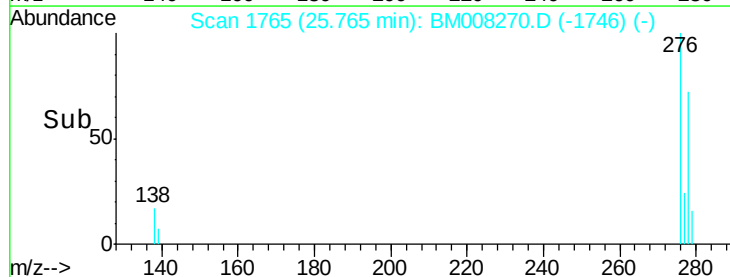
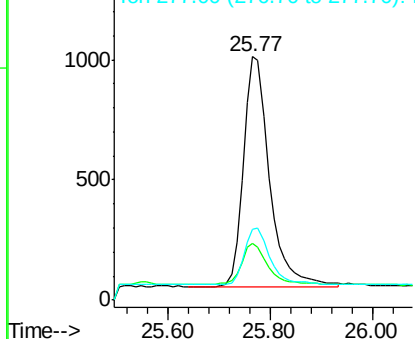
277 24.1 19.6 29.4

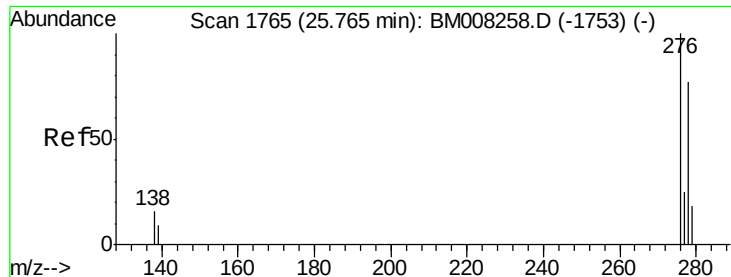


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

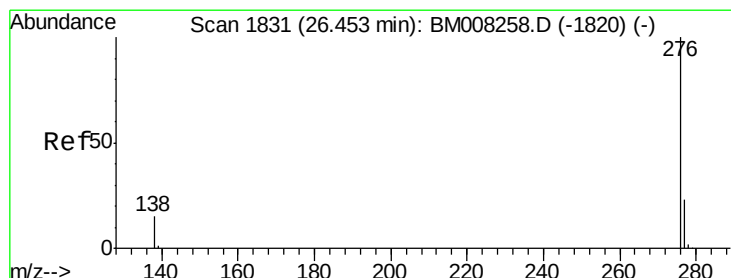
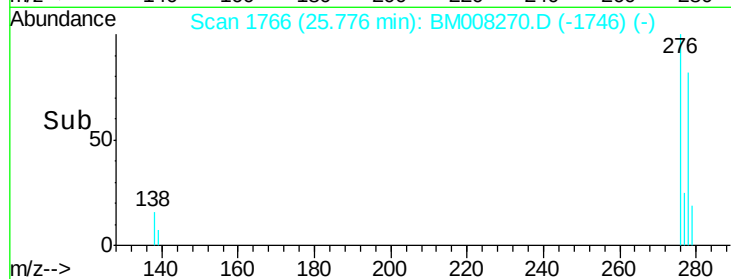
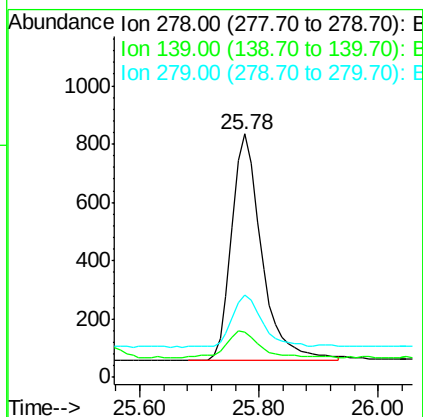
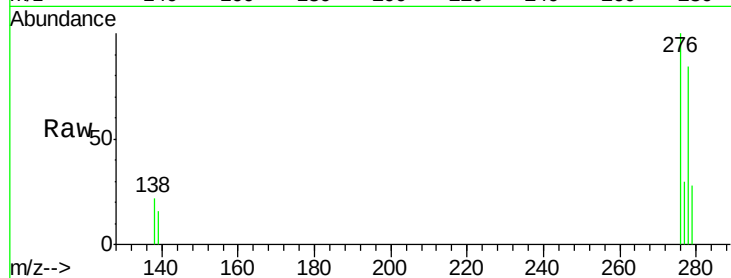




#25
Dibenzo(a,h)anthracene
Concen: 0.37 ng/ul
RT: 25.78 min Scan# 1766
Delta R.T. 0.01 min
Lab File: BM008270.D
Acq: 12 Dec 2016 19:10

Instrument :
BNA_M
ClientSampleId :
SSTD0.444

Tgt Ion: 278 Resp: 2714
Ion Ratio Lower Upper
278 100
139 18.6 17.4 26.0
279 34.0 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.36 ng/ul
RT: 26.46 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BM008270.D
Acq: 12 Dec 2016 19:10

Tgt Ion: 276 Resp: 2877
Ion Ratio Lower Upper
276 100
277 29.7 21.8 32.8
138 21.2 20.5 30.7

