

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081516\
 Data File : BM007134.D
 Acq On : 16 Aug 2016 01:44
 Operator : UM/SJ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02041

Quant Time: Aug 16 03:57:04 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM081516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 01:54:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	2044	0.40	ng/ul	0.00
2) Naphthalene-d8	10.60	136	7095	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.43	164	3389	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.18	188	7166	0.40	ng/ul	0.00
16) Chrysene-d12	21.37	240	6641	0.40	ng/ul	0.00
20) Perylene-d12	23.63	264	6423	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.18	152	3590	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.20	212	6789	0.42	ng/ul	0.00

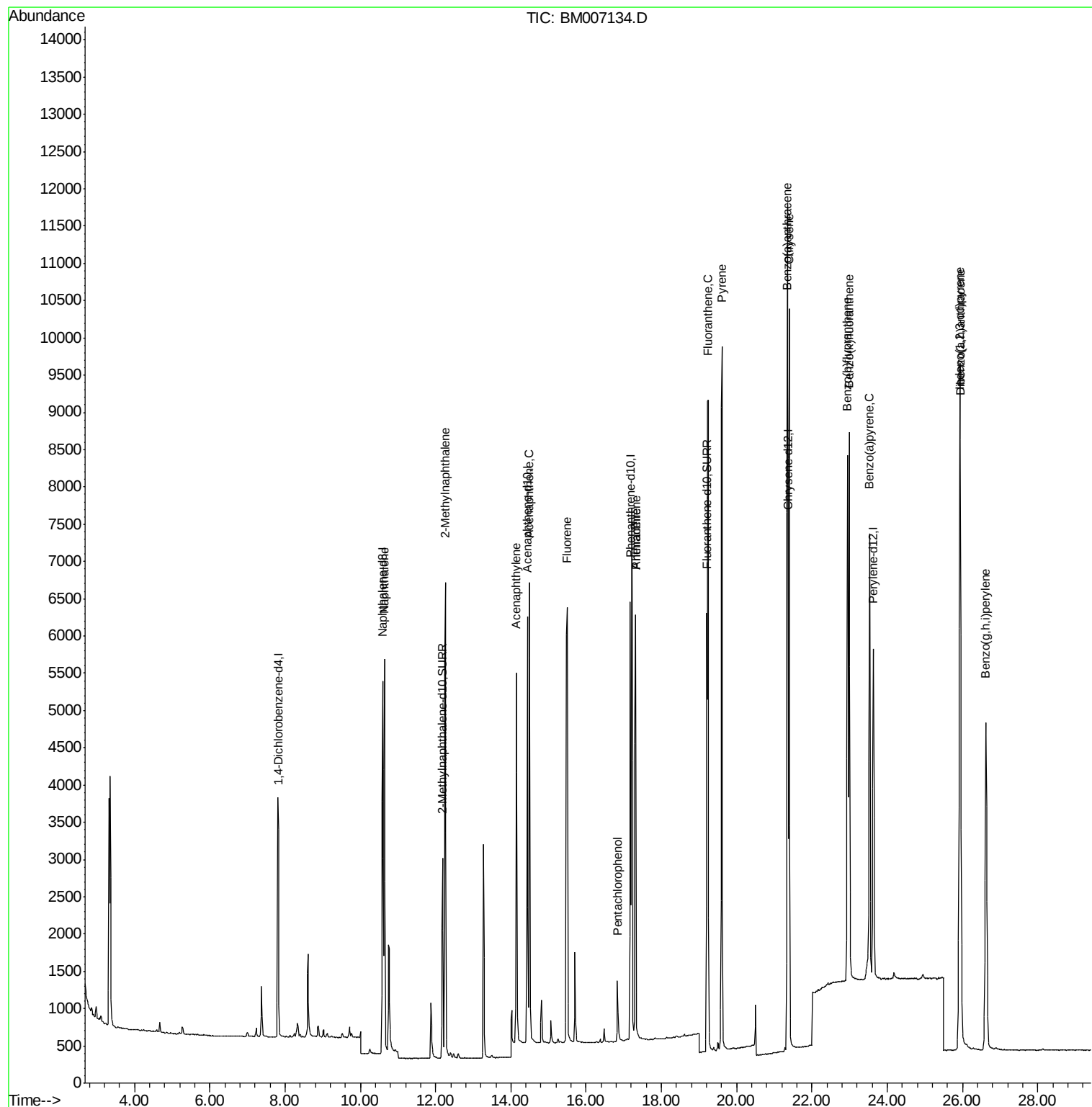
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.65	128	7449	0.42	ng/ul	97
5) 2-Methylnaphthalene	12.26	142	4935	0.41	ng/ul	100
7) Acenaphthylene	14.14	152	7385	0.40	ng/ul	98
8) Acenaphthene	14.49	153	4942	0.42	ng/ul#	76
9) Fluorene	15.50	166	5568	0.42	ng/ul	98
11) Pentachlorophenol	16.83	266	723	0.40	ng/ul	94
12) Phenanthrene	17.31	178	7875	0.39	ng/ul	98
13) Anthracene	17.31	178	8194	0.42	ng/ul	98
15) Fluoranthene	19.24	202	10023	0.42	ng/ul	92
17) Pyrene	19.60	202	10510	0.48	ng/ul	93
18) Benzo(a)anthracene	21.35	228	9348	0.45	ng/ul	97
19) Chrysene	21.40	228	9315	0.46	ng/ul	98
21) Benzo(b)fluoranthene	22.94	252	10972	0.46	ng/ul	98
22) Benzo(k)fluoranthene	22.99	252	8967	0.46	ng/ul	99
23) Benzo(a)pyrene	23.53	252	9469	0.46	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.92	276	11450	0.45	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.94	278	9265	0.46	ng/ul	98
26) Benzo(g,h,i)perylene	26.62	276	9820	0.45	ng/ul	97

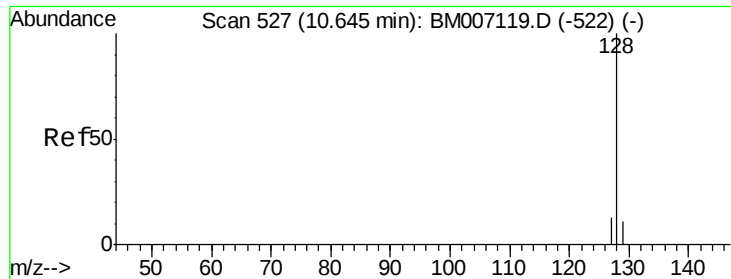
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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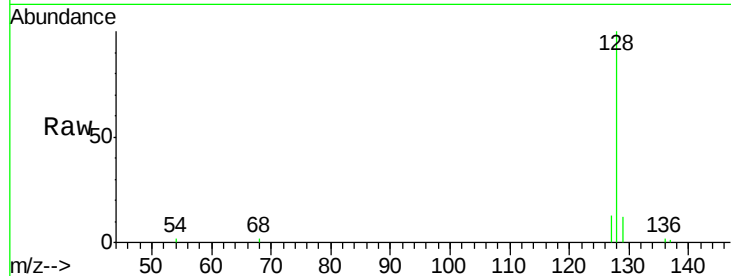




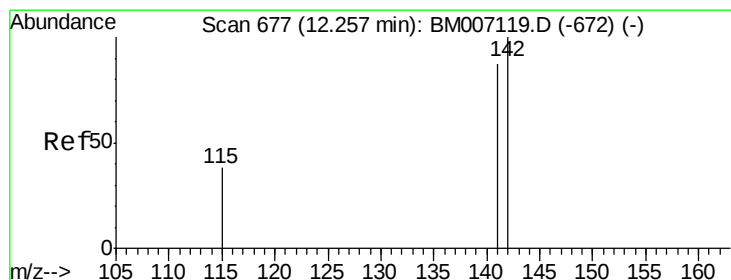
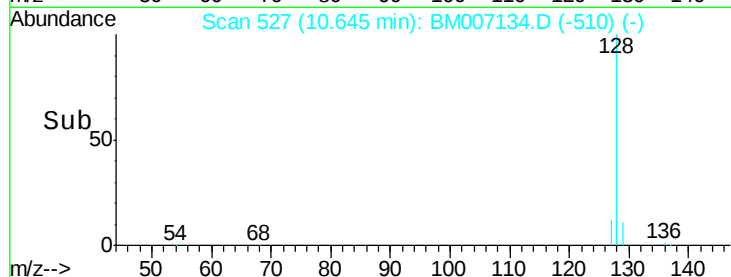
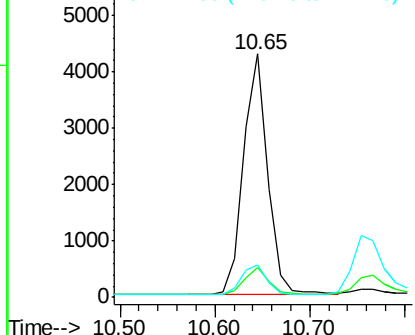
#3
Naphthalene
Concen: 0.42 ng/ul
RT: 10.65 min Scan# 527
Delta R.T. -0.00 min
Lab File: BM007134.D
Acq: 16 Aug 2016 01:44

Instrument :
BNA_M
ClientSampleId :
SSTD02041

Tgt Ion:128 Resp: 7449
Ion Ratio Lower Upper
128 100
129 12.1 9.0 13.6
127 13.1 9.6 14.4

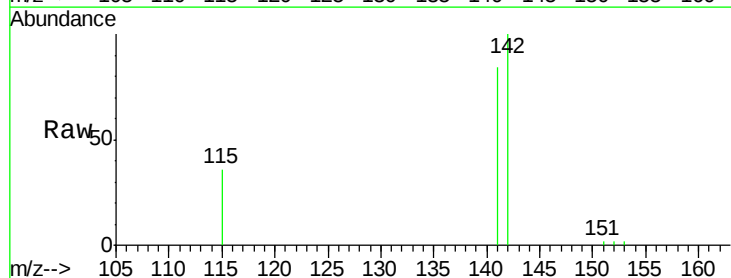


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

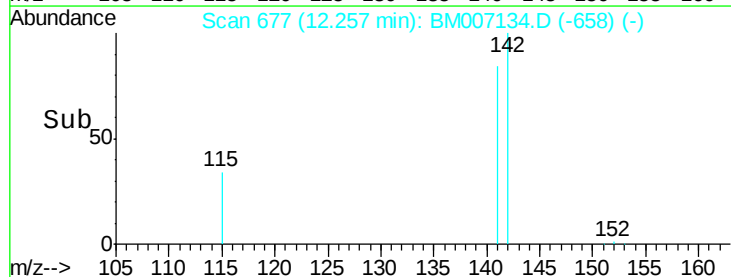
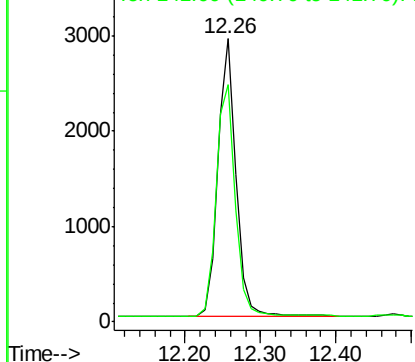


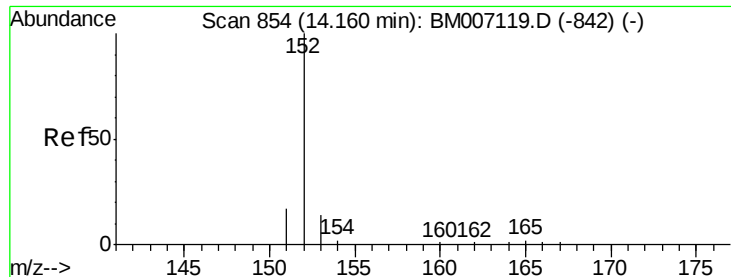
#5
2-Methylnaphthalene
Concen: 0.41 ng/ul
RT: 12.26 min Scan# 677
Delta R.T. -0.00 min
Lab File: BM007134.D
Acq: 16 Aug 2016 01:44

Tgt Ion:142 Resp: 4935
Ion Ratio Lower Upper
142 100
141 88.3 70.3 105.5



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: 14.14 min Scan# 853

Delta R.T. -0.02 min

Lab File: BM007134.D

Acq: 16 Aug 2016 01:44

Instrument :

BNA_M

ClientSampleId :

SSTD02041

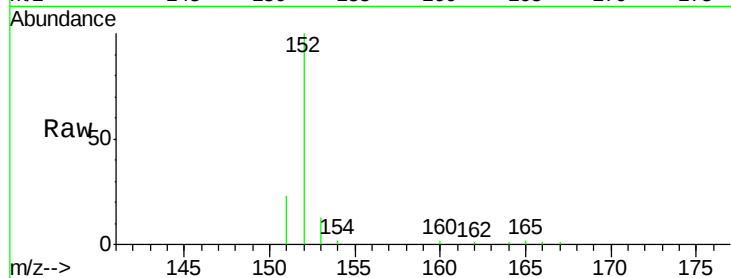
Tgt Ion:152 Resp: 7385

Ion Ratio Lower Upper

152 100

151 22.6 17.6 26.4

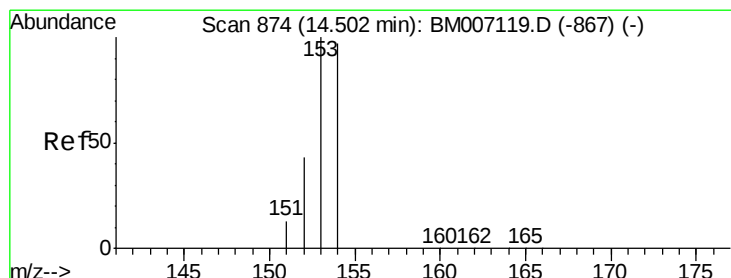
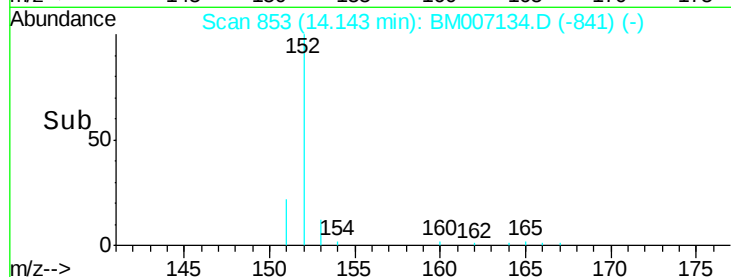
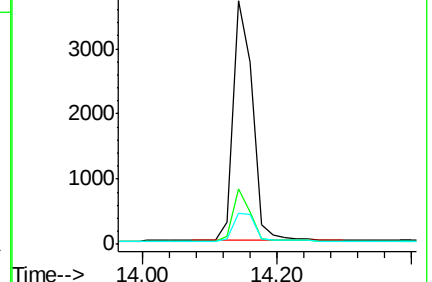
153 13.0 9.7 14.5



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: 0.42 ng/ul

RT: 14.49 min Scan# 873

Delta R.T. -0.02 min

Lab File: BM007134.D

Acq: 16 Aug 2016 01:44

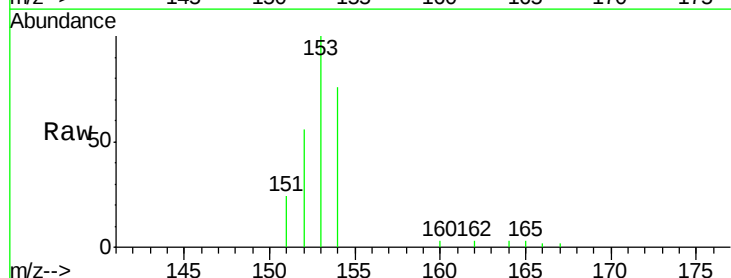
Tgt Ion:153 Resp: 4942

Ion Ratio Lower Upper

153 100

152 56.5 33.9 50.9#

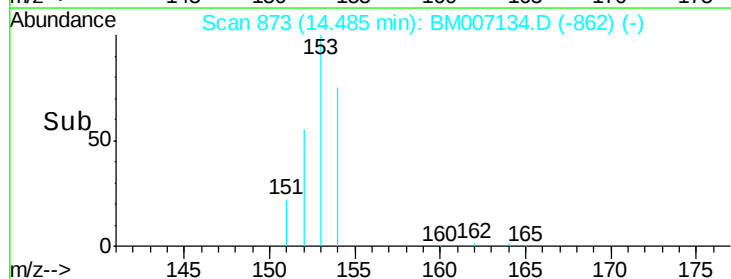
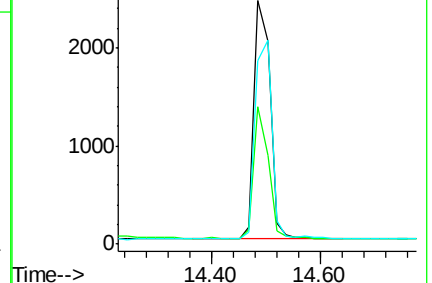
154 75.6 80.6 121.0#

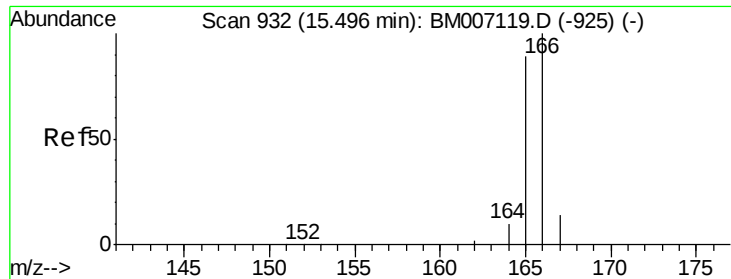


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

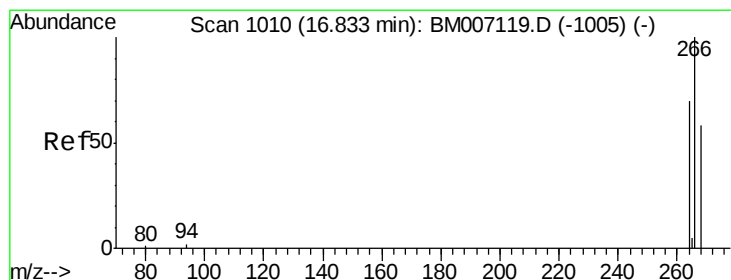
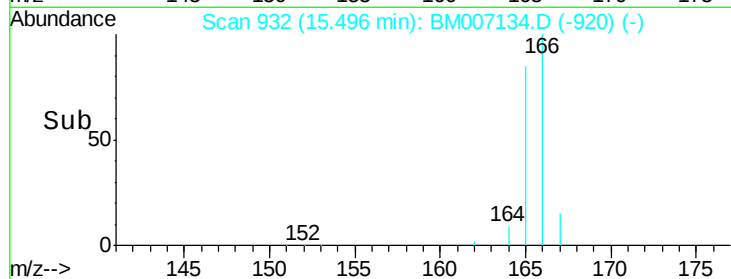
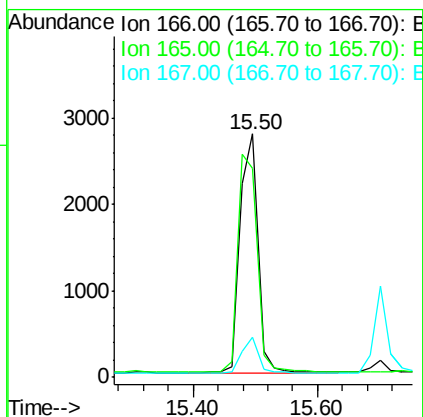
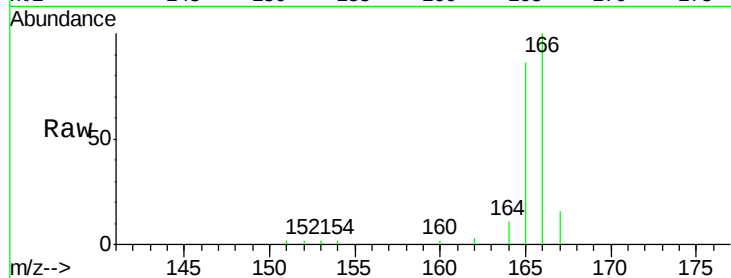




#9
Fluorene
 Concen: 0.42 ng/ul
 RT: 15.50 min Scan# 932
 Delta R.T. -0.00 min
 Lab File: BM007134.D
 Acq: 16 Aug 2016 01:44

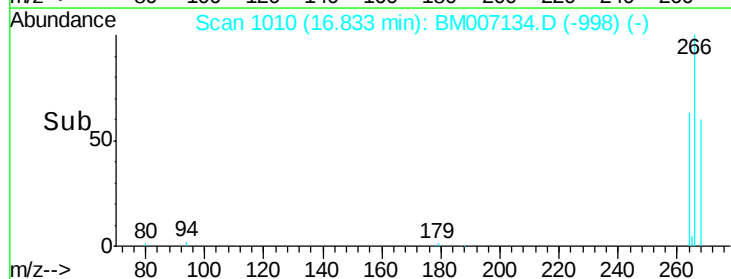
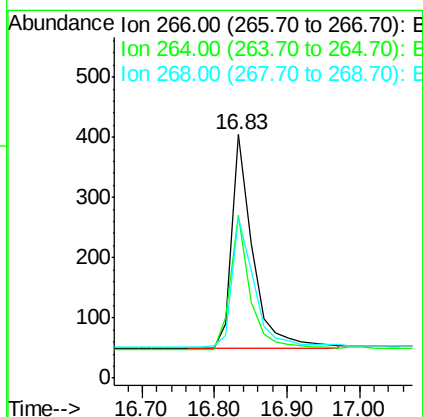
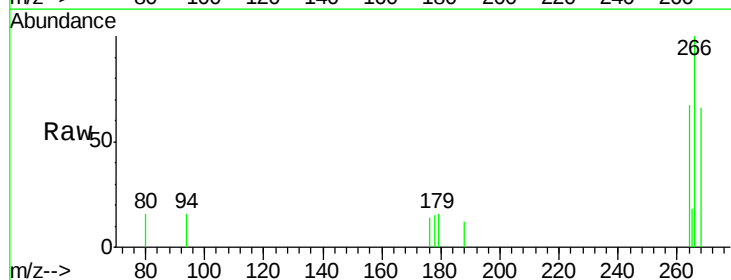
Instrument :
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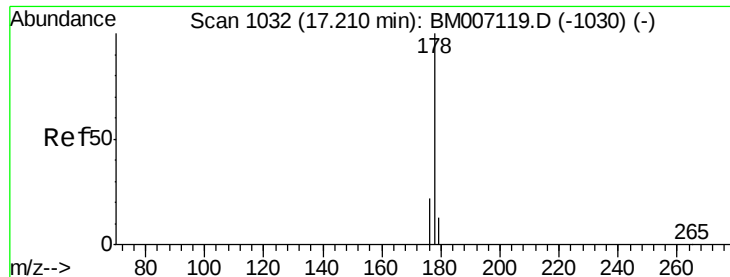
Tgt Ion:166 Resp: 5568
 Ion Ratio Lower Upper
 166 100
 165 85.7 69.6 104.4
 167 16.3 11.9 17.9



#11
Pentachlorophenol
 Concen: 0.40 ng/ul
 RT: 16.83 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: BM007134.D
 Acq: 16 Aug 2016 01:44

Tgt Ion:266 Resp: 723
 Ion Ratio Lower Upper
 266 100
 264 61.1 51.8 77.8
 268 63.3 46.8 70.2





#12

Phenanthrene

Concen: 0.39 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. 0.10 min

Lab File: BM007134.D

Acq: 16 Aug 2016 01:44

Instrument :

BNA_M

ClientSampleId :

SSTD02041

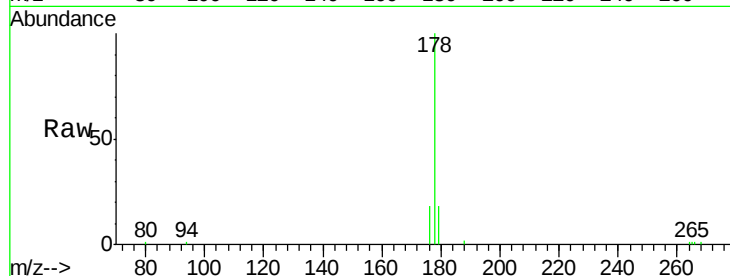
Tgt Ion:178 Resp: 7875

Ion Ratio Lower Upper

178 100

176 17.6 13.0 19.4

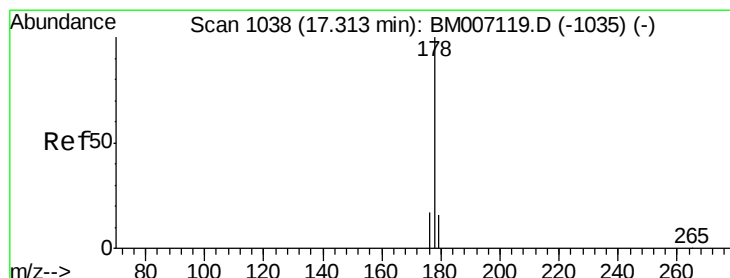
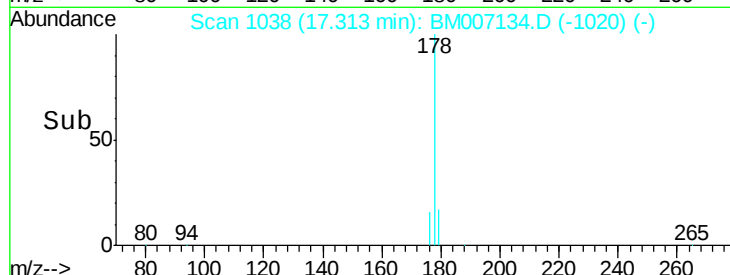
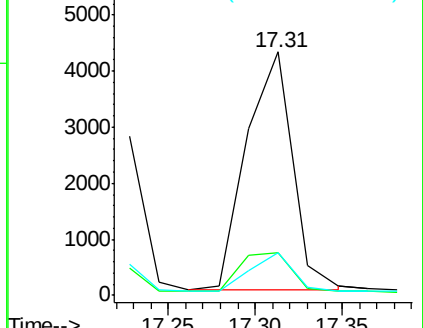
179 17.8 14.2 21.2



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: 17.31 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BM007134.D

Acq: 16 Aug 2016 01:44

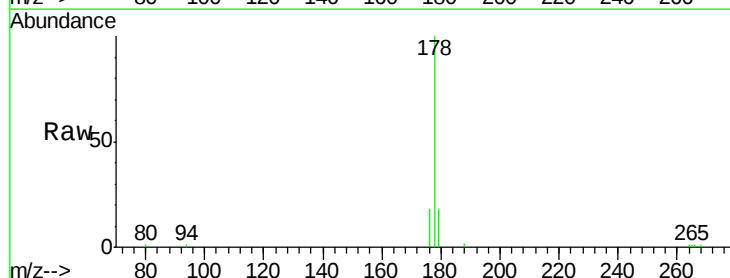
Tgt Ion:178 Resp: 8194

Ion Ratio Lower Upper

178 100

176 17.6 14.0 21.0

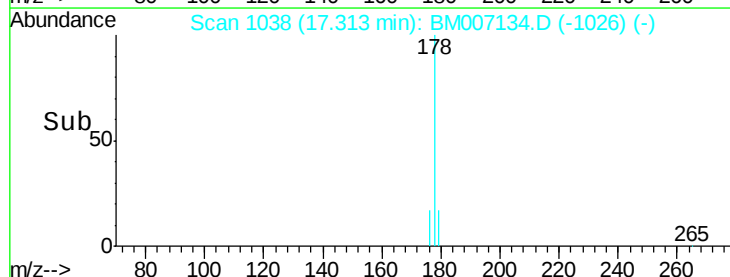
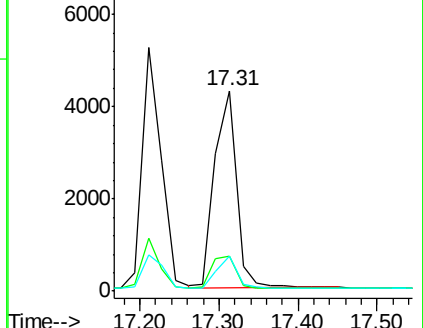
179 17.8 12.9 19.3

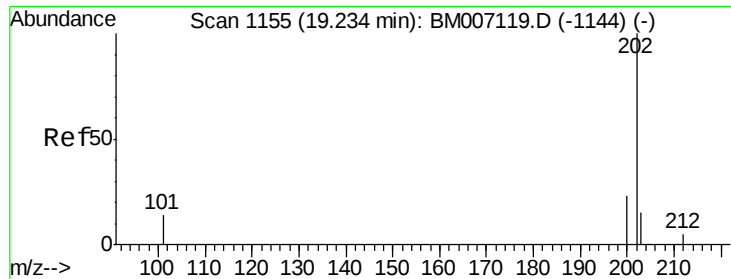


Abundance Ion 178.00 (177.70 to 178.70): E

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: 19.24 min Scan# 1156

Delta R.T. 0.01 min

Lab File: BM007134.D

Acq: 16 Aug 2016 01:44

Instrument :

BNA_M

ClientSampleId :

SSTD02041

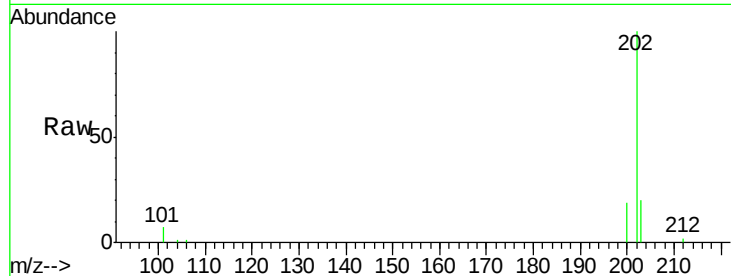
Tgt Ion:202 Resp: 10023

Ion Ratio Lower Upper

202 100

101 6.9 0.0 29.6

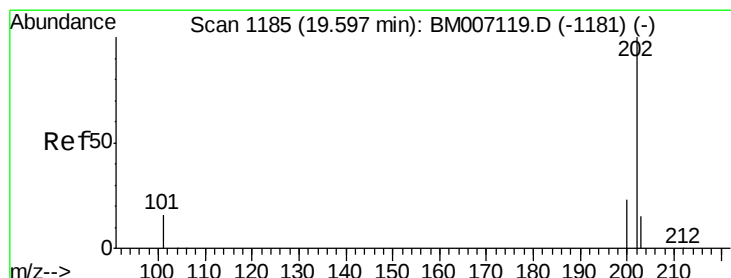
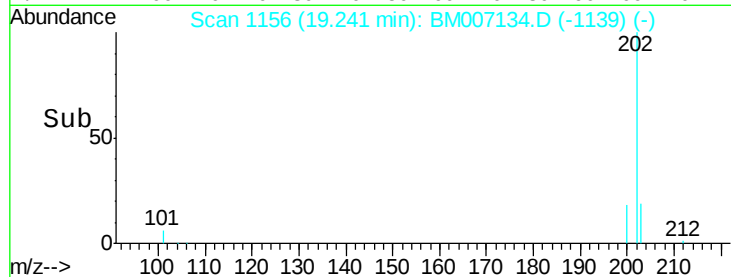
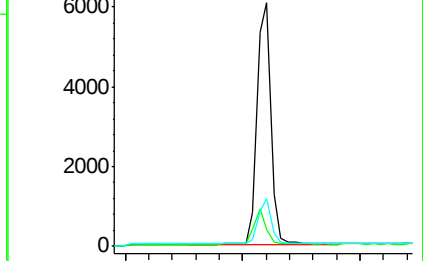
203 19.7 0.0 36.3



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: 0.48 ng/ul

RT: 19.60 min Scan# 1186

Delta R.T. 0.01 min

Lab File: BM007134.D

Acq: 16 Aug 2016 01:44

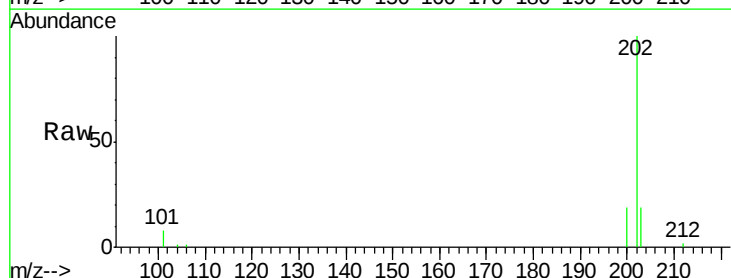
Tgt Ion:202 Resp: 10510

Ion Ratio Lower Upper

202 100

200 18.9 17.8 26.8

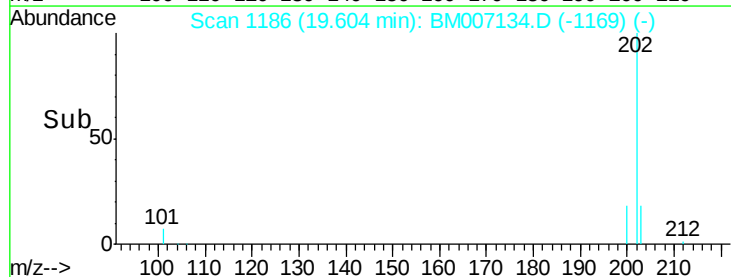
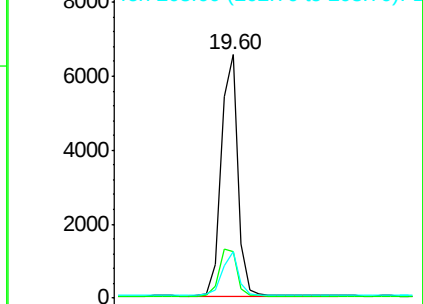
203 19.1 12.8 19.2

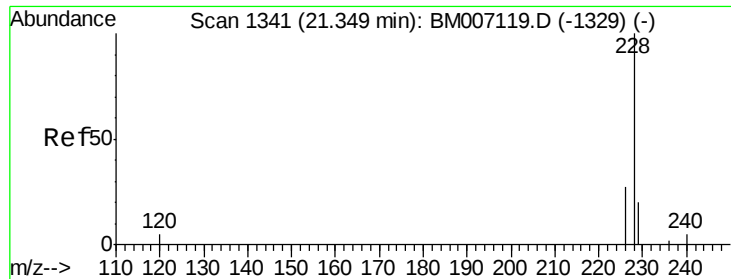


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.45 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM007134.D

Acq: 16 Aug 2016 01:44

Instrument :

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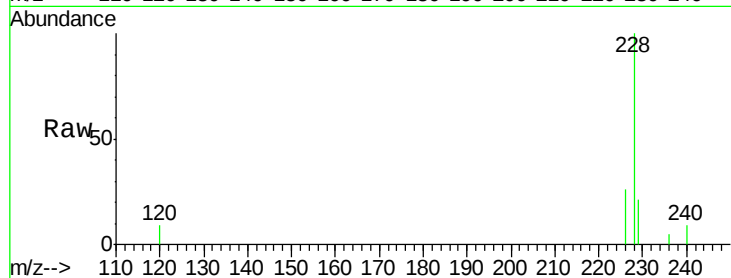
Tgt Ion:228 Resp: 9348

Ion Ratio Lower Upper

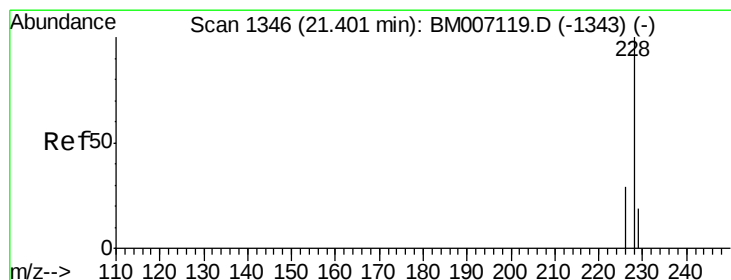
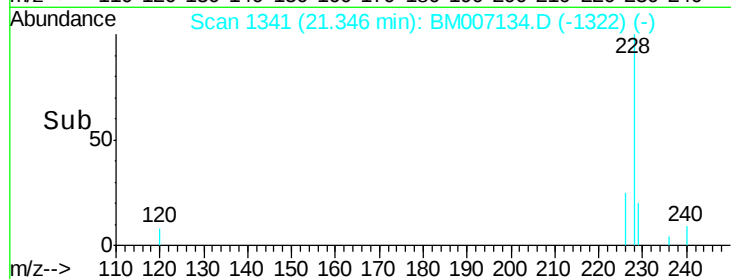
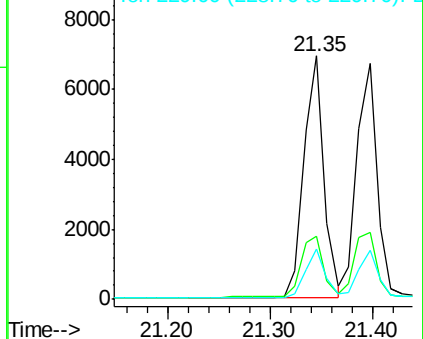
228 100

226 25.8 18.8 28.2

229 20.8 17.1 25.7



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: 0.46 ng/ul

RT: 21.40 min Scan# 1346

Delta R.T. -0.00 min

Lab File: BM007134.D

Acq: 16 Aug 2016 01:44

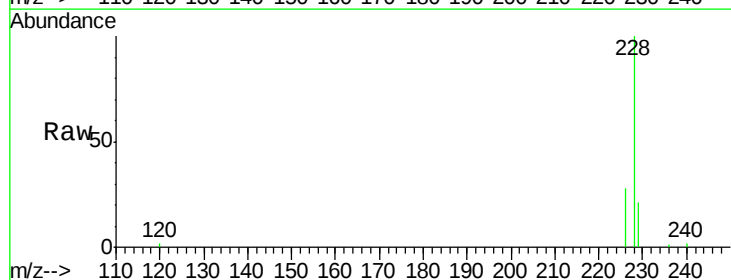
Tgt Ion:228 Resp: 9315

Ion Ratio Lower Upper

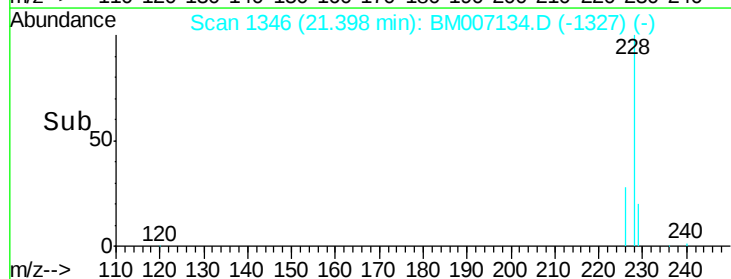
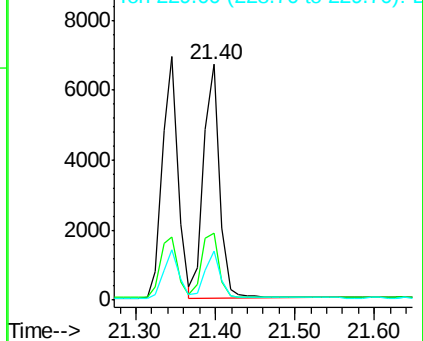
228 100

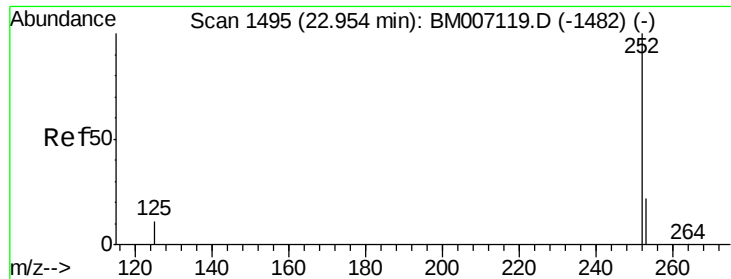
226 28.5 21.2 31.8

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





#21

Benzo(b)fluoranthene

Concen: 0.46 ng/u1

RT: 22.94 min Scan# 1494

Delta R.T. -0.01 min

Lab File: BM007134.D

Acq: 16 Aug 2016 01:44

Instrument :

BNA_M

ClientSampleId :

SSTD02041

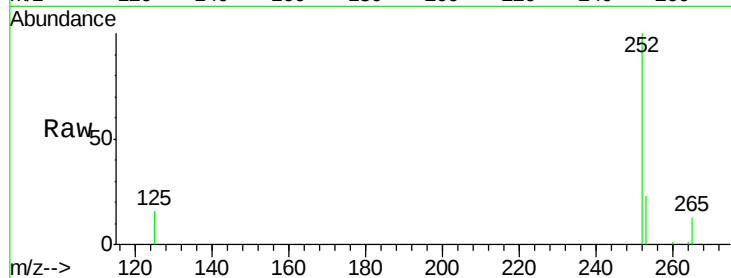
Tgt Ion:252 Resp: 10972

Ion Ratio Lower Upper

252 100

253 22.8 0.0 45.4

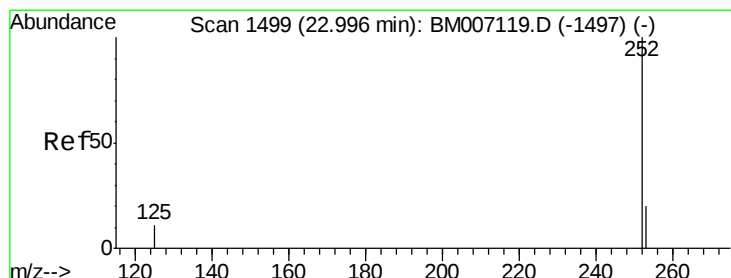
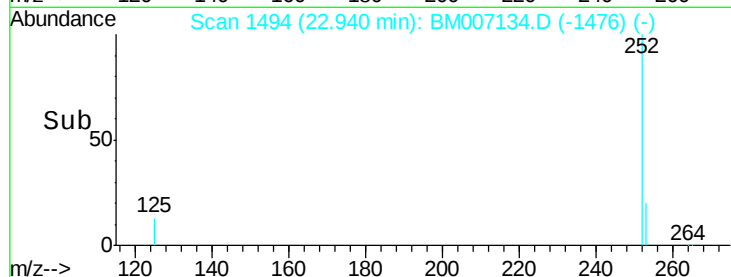
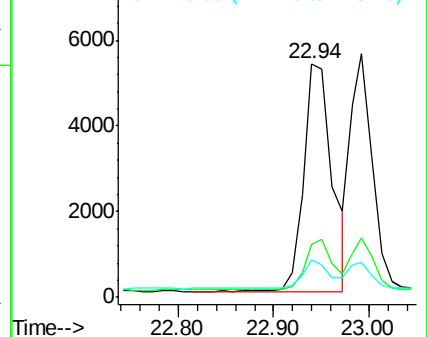
125 16.4 0.0 28.8



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: 0.46 ng/u1

RT: 22.99 min Scan# 1499

Delta R.T. -0.00 min

Lab File: BM007134.D

Acq: 16 Aug 2016 01:44

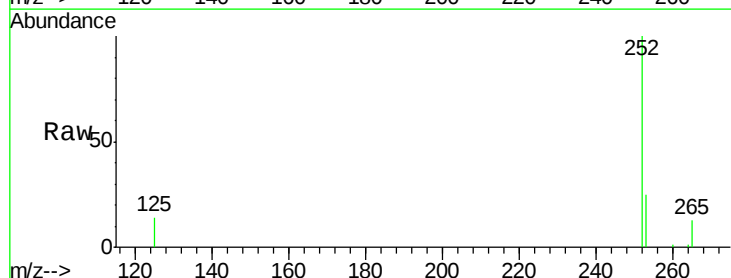
Tgt Ion:252 Resp: 8967

Ion Ratio Lower Upper

252 100

253 24.6 19.8 29.8

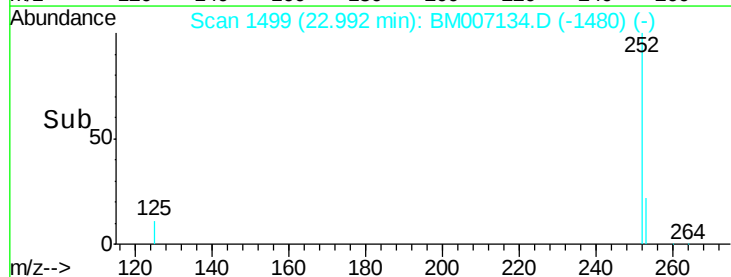
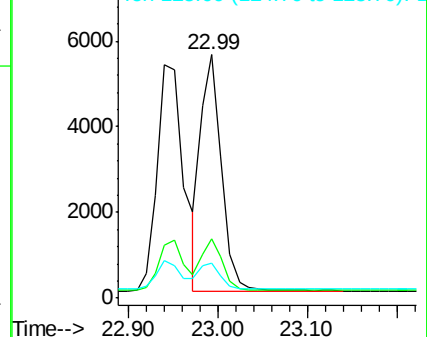
125 14.3 10.4 15.6

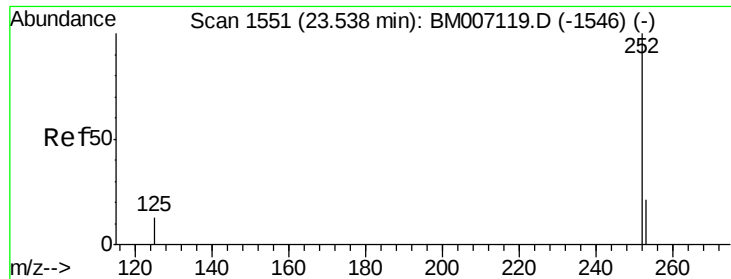


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.46 ng/ul

RT: 23.53 min Scan# 1551

Delta R.T. -0.00 min

Lab File: BM007134.D

Acq: 16 Aug 2016 01:44

Instrument :

BNA_M

ClientSampleId :

SSTD02041

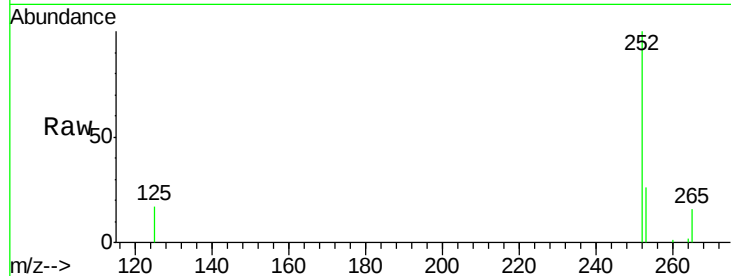
Tgt Ion: 252 Resp: 9469

Ion Ratio Lower Upper

252 100

253 25.8 19.4 29.2

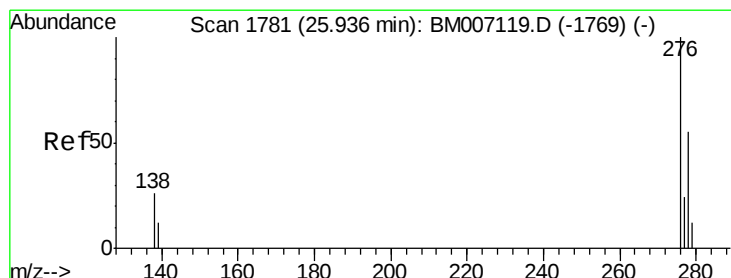
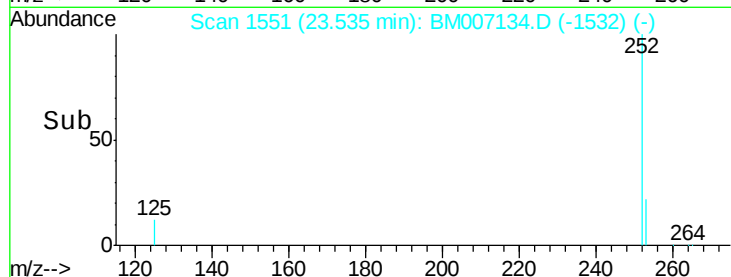
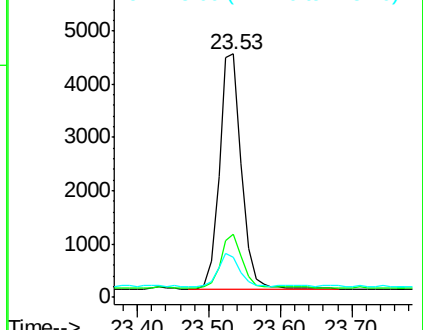
125 16.5 12.7 19.1



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: 0.45 ng/ul

RT: 25.92 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BM007134.D

Acq: 16 Aug 2016 01:44

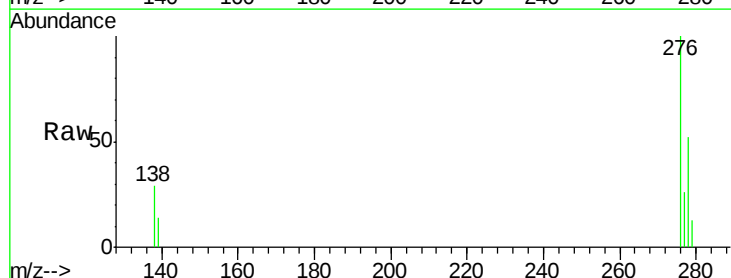
Tgt Ion: 276 Resp: 11450

Ion Ratio Lower Upper

276 100

138 28.0 16.3 24.5#

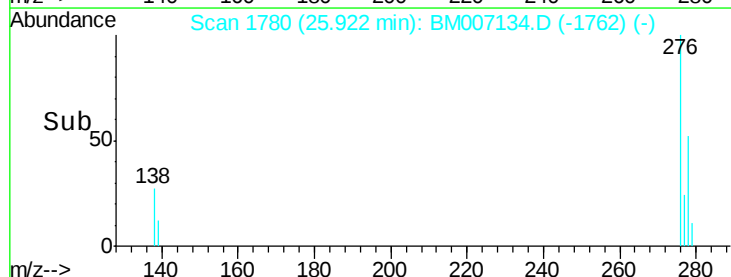
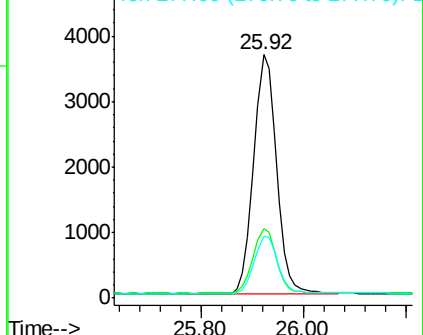
277 24.9 19.8 29.8

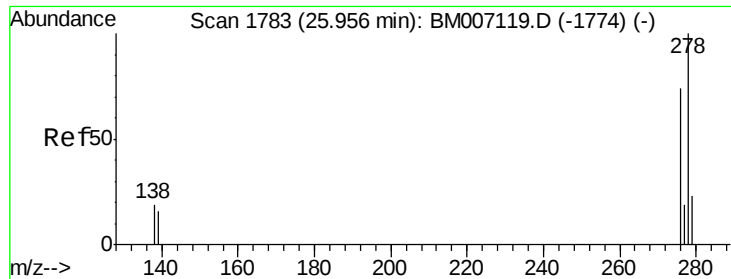


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



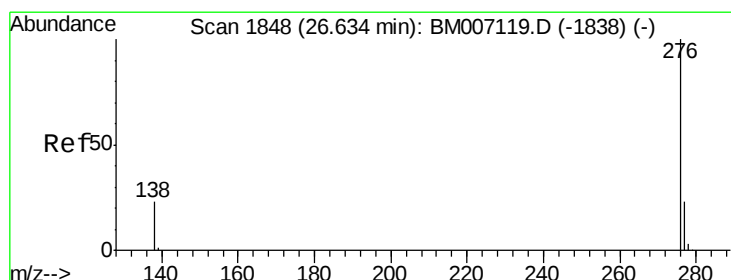
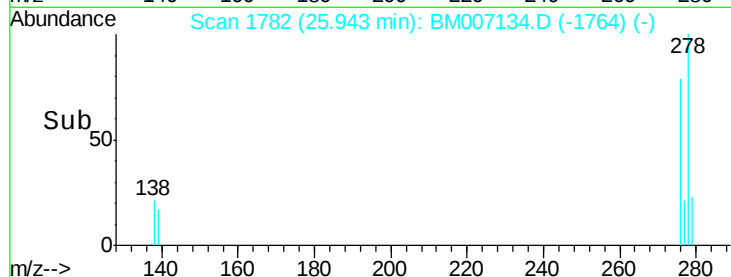
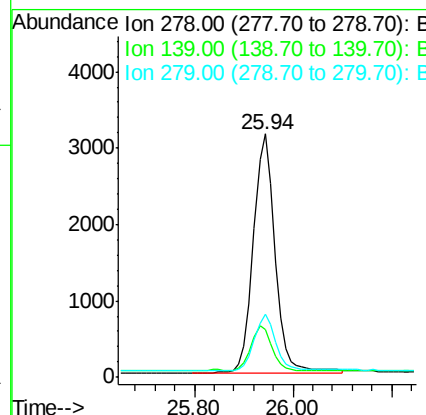
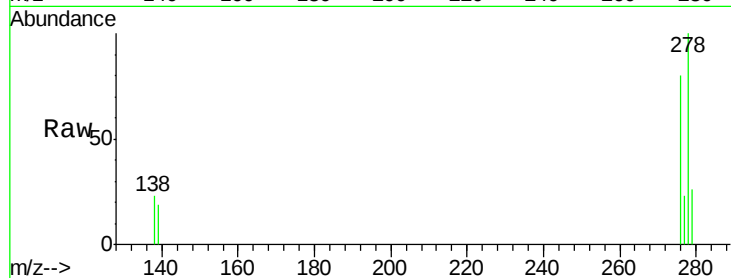


#25
Dibenzo(a,h)anthracene
Concen: 0.46 ng/ul
RT: 25.94 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BM007134.D
Acq: 16 Aug 2016 01:44

Instrument :
BNA_M
ClientSampleId :
SSTD02041

Tgt Ion: 278 Resp: 9265

Ion	Ratio	Lower	Upper
278	100		
139	19.5	16.4	24.6
279	25.7	20.2	30.2



#26
Benzo(g,h,i)perylene
Concen: 0.45 ng/ul
RT: 26.62 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BM007134.D
Acq: 16 Aug 2016 01:44

Tgt Ion: 276 Resp: 9820

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.9	28.3
138	25.9	22.5	33.7

