

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112316\
 Data File : BM008034.D
 Acq On : 23 Nov 2016 15:11
 Operator : UM/SJ
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.452

Quant Time: Nov 24 02:53:55 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 01:26:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	443	0.40	ng/ul	0.02
2) Naphthalene-d8	10.51	136	1573	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.35	164	934	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.11	188	1909	0.40	ng/ul	0.00
16) Chrysene-d12	21.30	240	1838	0.40	ng/ul	0.00
20) Perylene-d12	23.55	264	1711	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	900	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.14	212	2002	0.37	ng/ul	0.00

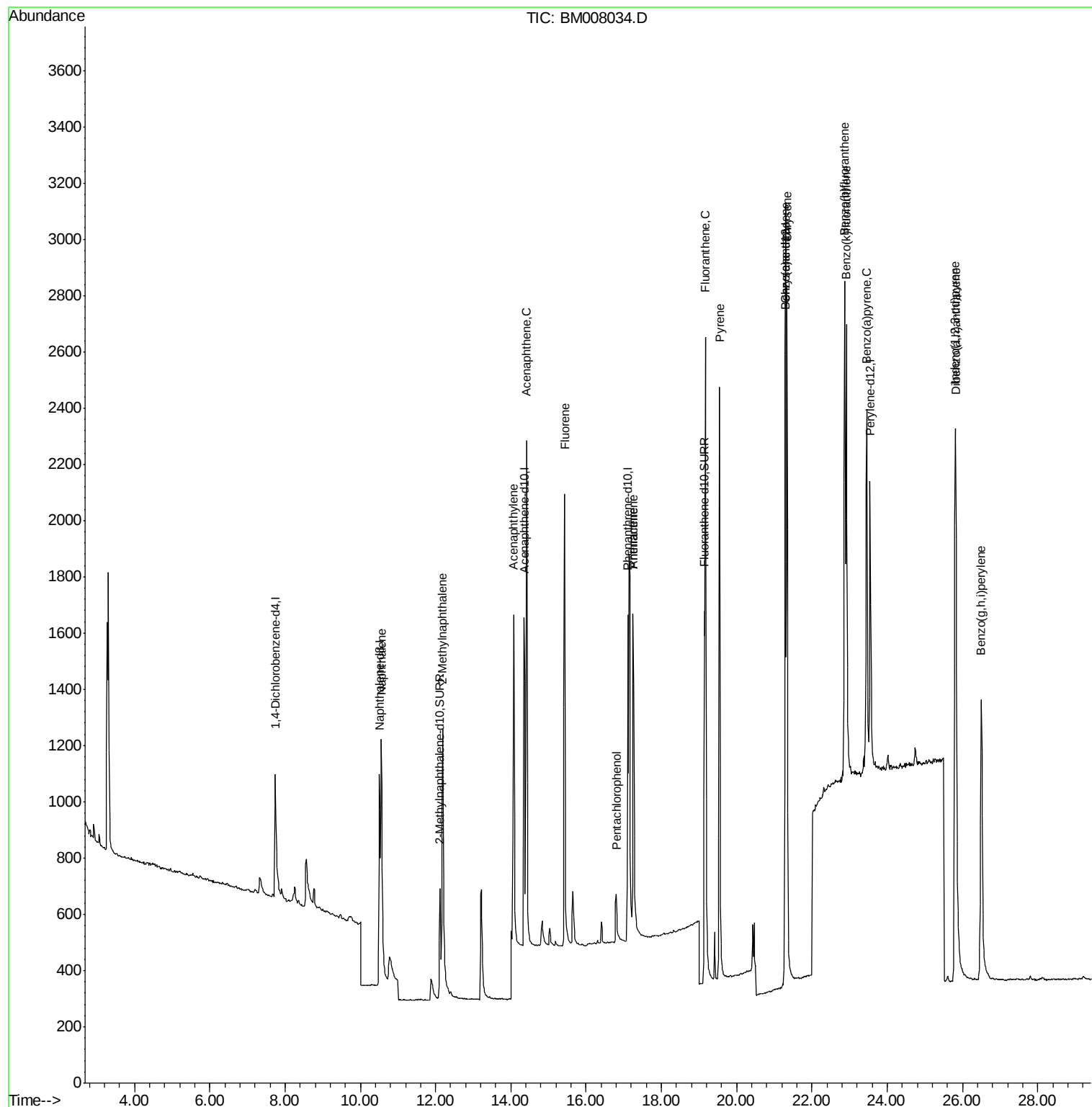
Target Compounds				Qvalue		
3) Naphthalene	10.56	128	1761	0.40	ng/ul#	92
5) 2-Methylnaphthalene	12.18	142	1144	0.40	ng/ul	99
7) Acenaphthylene	14.07	152	1724	0.41	ng/ul	96
8) Acenaphthene	14.42	153	1268	0.39	ng/ul	98
9) Fluorene	15.43	166	1473	0.40	ng/ul	97
11) Pentachlorophenol	16.80	266	227	0.34	ng/ul	91
12) Phenanthrene	17.24	178	1810	0.30	ng/ul	96
13) Anthracene	17.24	178	2145	0.38	ng/ul	97
15) Fluoranthene	19.17	202	2774	0.36	ng/ul	98
17) Pyrene	19.54	202	2922	0.46	ng/ul	97
18) Benzo(a)anthracene	21.28	228	2452	0.43	ng/ul	97
19) Chrysene	21.34	228	2634	0.38	ng/ul	96
21) Benzo(b)fluoranthene	22.87	252	2605	0.38	ng/ul	96
22) Benzo(k)fluoranthene	22.91	252	2861	0.41	ng/ul	97
23) Benzo(a)pyrene	23.45	252	2571	0.40	ng/ul#	96
24) Indeno(1,2,3-cd)pyrene	25.81	276	3123	0.39	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.82	278	2487	0.39	ng/ul	95
26) Benzo(g,h,i)perylene	26.50	276	2767	0.39	ng/ul	95

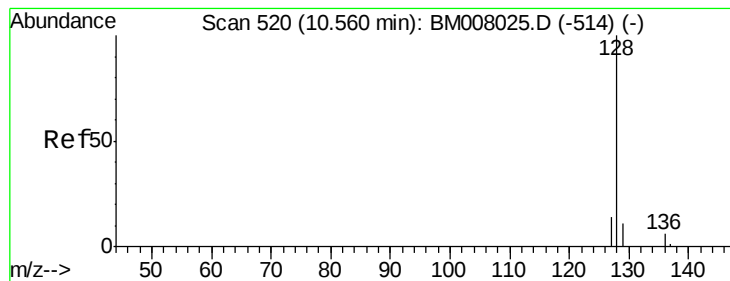
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.40 ng/ul

RT: 10.56 min Scan# 520

Delta R.T. 0.00 min

Lab File: BM008034.D

Acq: 23 Nov 2016 15:11

Instrument :

BNA_M

ClientSampleId :

SSTD0.452

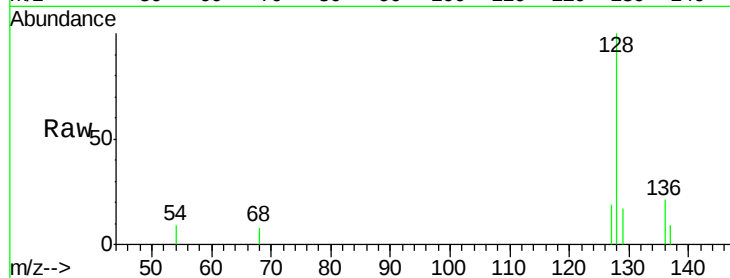
Tgt Ion:128 Resp: 1761

Ion Ratio Lower Upper

128 100

129 16.9 11.3 16.9#

127 19.5 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

10.56

800

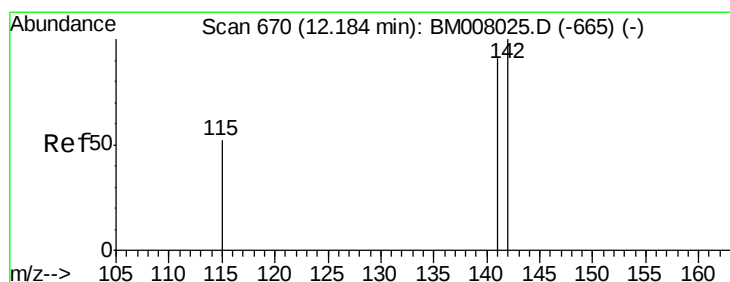
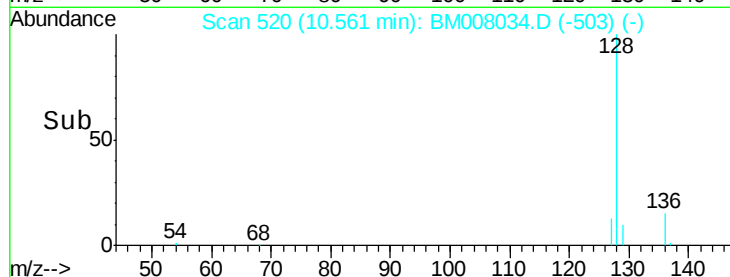
600

400

200

0

Time--> 10.40 10.50 10.60 10.70



#5

2-Methylnaphthalene

Concen: 0.40 ng/ul

RT: 12.18 min Scan# 670

Delta R.T. 0.00 min

Lab File: BM008034.D

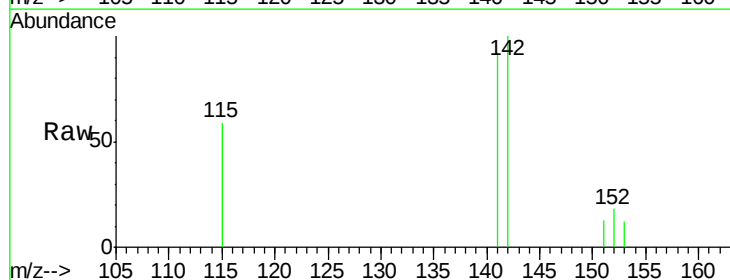
Acq: 23 Nov 2016 15:11

Tgt Ion:142 Resp: 1144

Ion Ratio Lower Upper

142 100

141 92.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

500

400

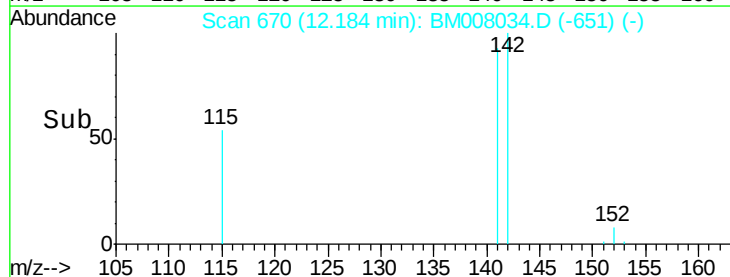
300

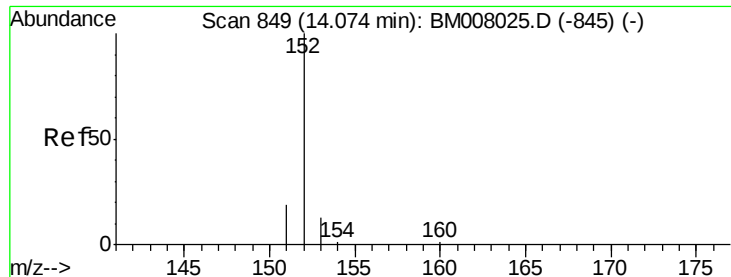
200

100

0

Time--> 12.10 12.20 12.30 12.40





#7

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM008034.D

Acq: 23 Nov 2016 15:11

Instrument :

BNA_M

ClientSampleId :

SSTD0.452

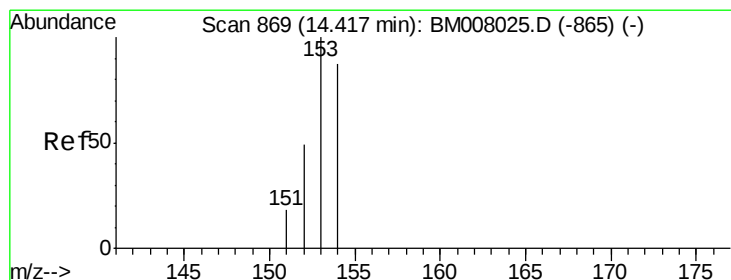
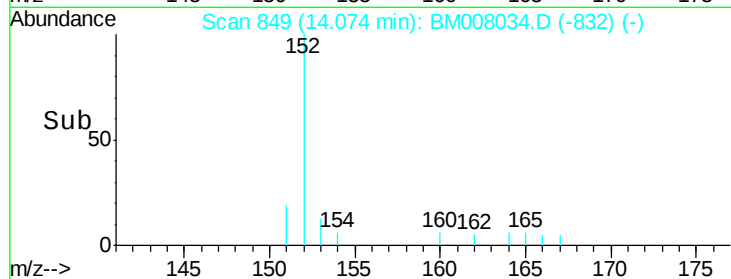
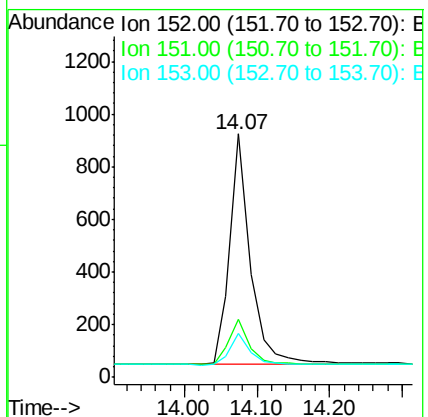
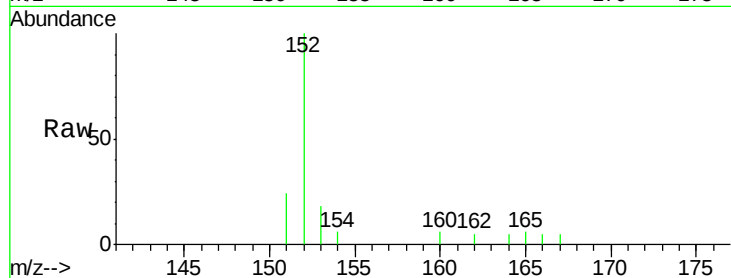
Tgt Ion:152 Resp: 1724

Ion Ratio Lower Upper

152 100

151 23.6 17.1 25.7

153 17.8 12.8 19.2



#8

Acenaphthene

Concen: 0.39 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM008034.D

Acq: 23 Nov 2016 15:11

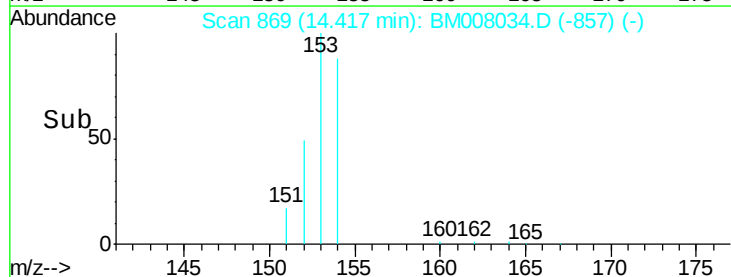
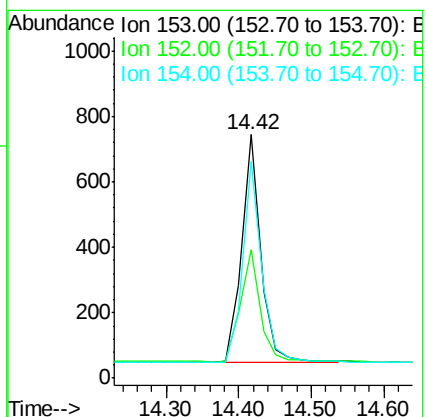
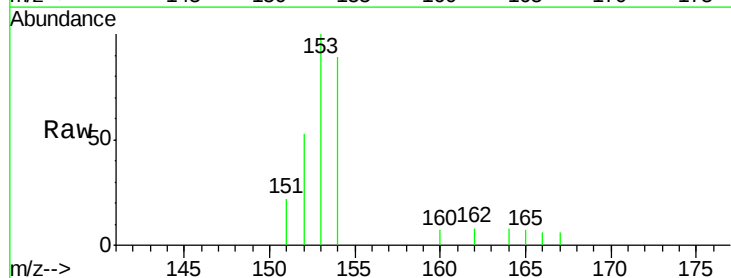
Tgt Ion:153 Resp: 1268

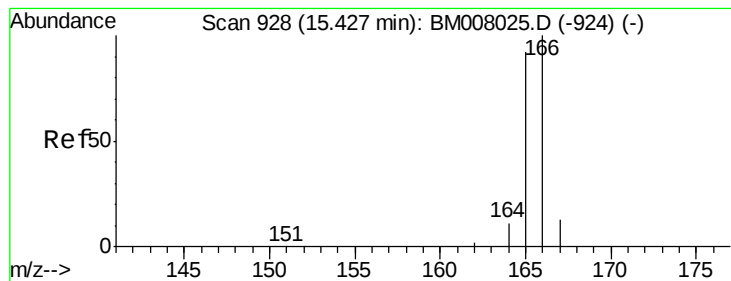
Ion Ratio Lower Upper

153 100

152 53.0 40.3 60.5

154 89.0 71.4 107.2





#9

Fluorene

Concen: 0.40 ng/ul

RT: 15.43 min Scan# 928

Delta R.T. 0.00 min

Lab File: BM008034.D

Acq: 23 Nov 2016 15:11

Instrument :

BNA_M

ClientSampleId :

SSTD0.452

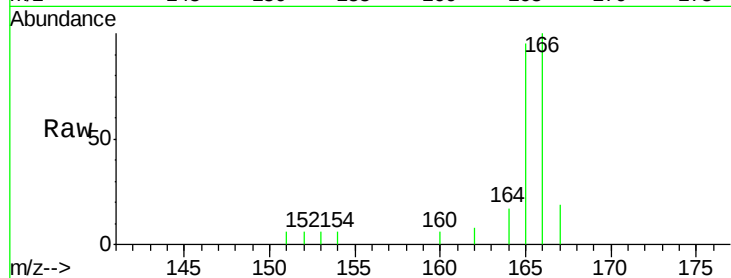
Tgt Ion:166 Resp: 1473

Ion Ratio Lower Upper

166 100

165 95.1 73.4 110.2

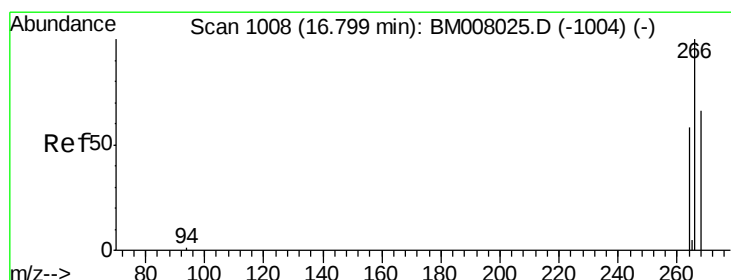
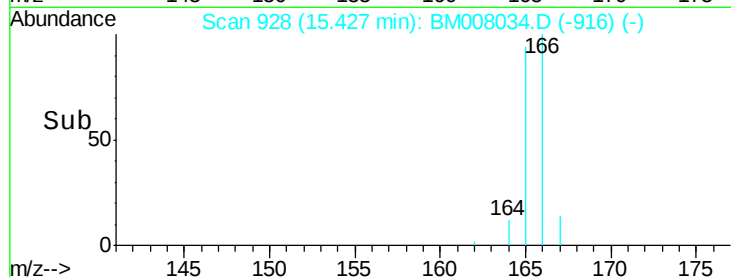
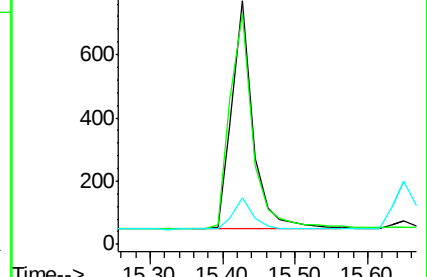
167 19.2 14.6 22.0



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: 0.34 ng/ul

RT: 16.80 min Scan# 1008

Delta R.T. 0.02 min

Lab File: BM008034.D

Acq: 23 Nov 2016 15:11

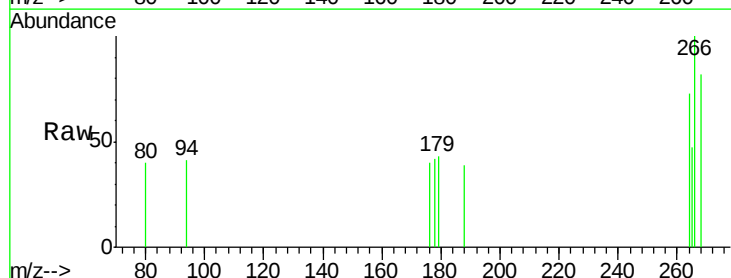
Tgt Ion:266 Resp: 227

Ion Ratio Lower Upper

266 100

264 66.5 47.9 71.9

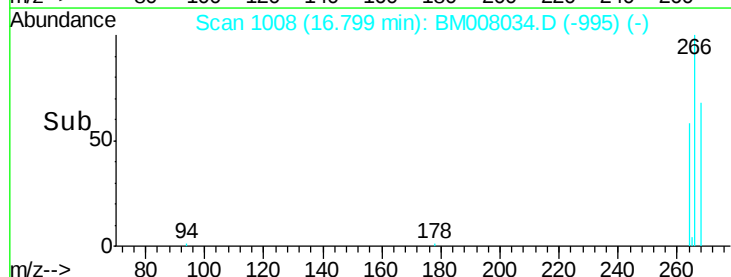
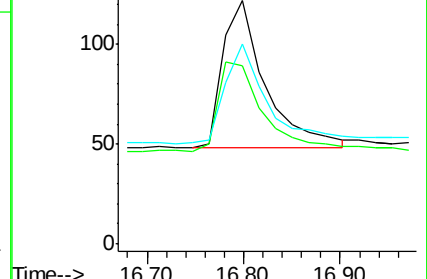
268 69.2 49.8 74.8

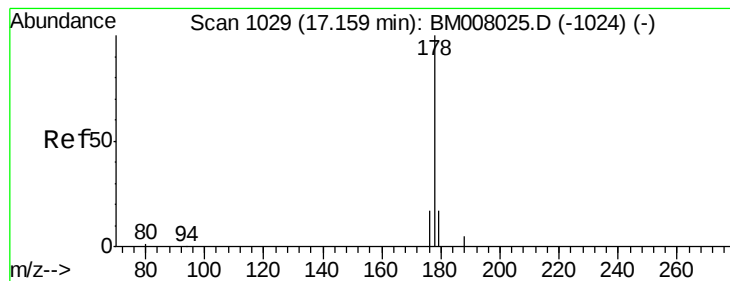


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.30 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. 0.10 min

Lab File: BM008034.D

Acq: 23 Nov 2016 15:11

Instrument :

BNA_M

ClientSampleId :

SSTD0.452

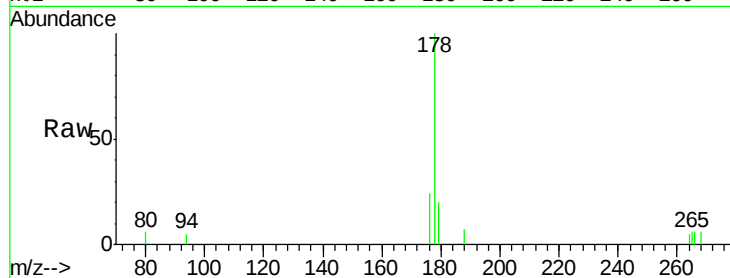
Tgt Ion:178 Resp: 1810

Ion Ratio Lower Upper

178 100

176 24.0 18.4 27.6

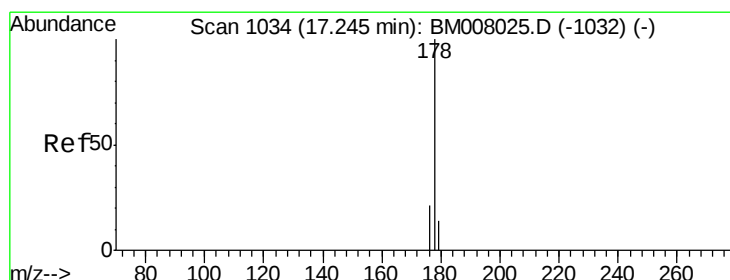
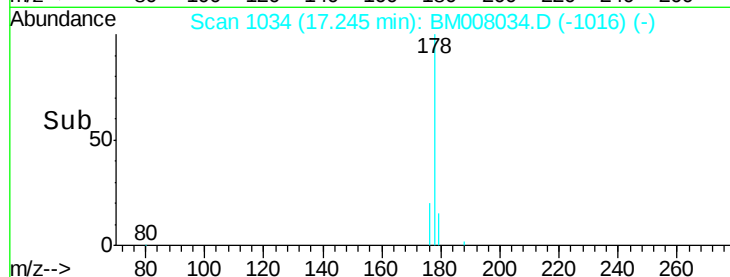
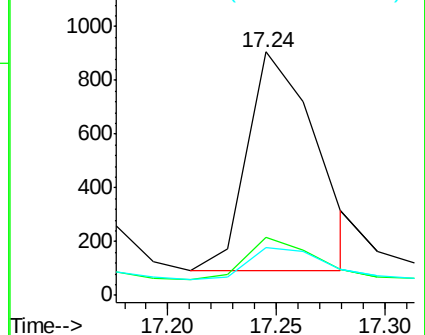
179 19.6 13.6 20.4



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: 0.38 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BM008034.D

Acq: 23 Nov 2016 15:11

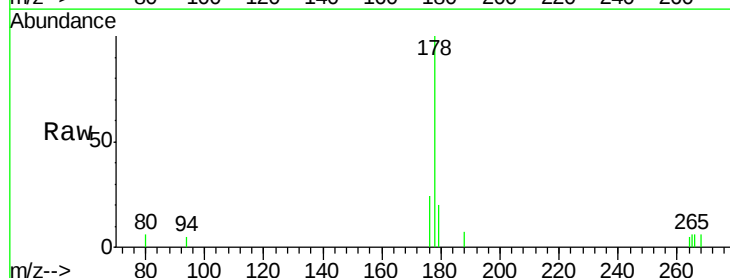
Tgt Ion:178 Resp: 2145

Ion Ratio Lower Upper

178 100

176 24.0 18.1 27.1

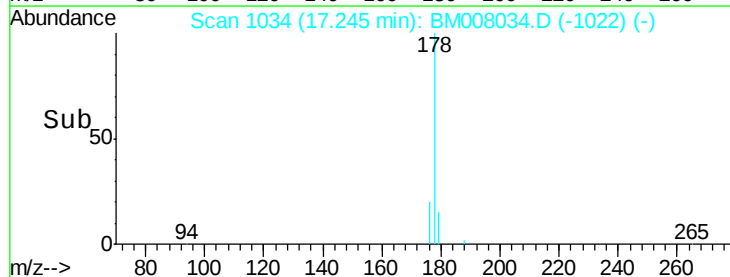
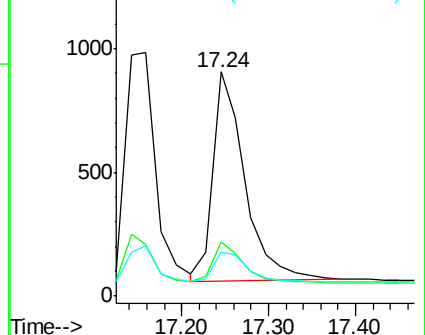
179 19.6 14.7 22.1

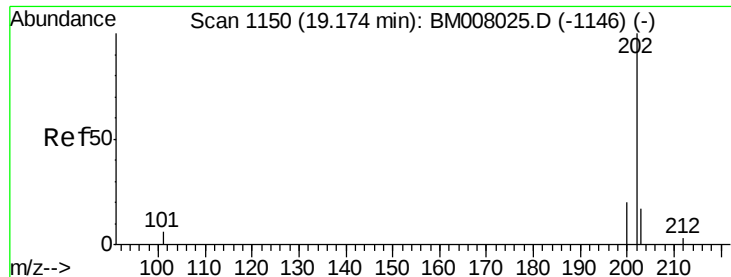


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.36 ng/ul

RT: 19.17 min Scan# 1150

Delta R.T. 0.00 min

Lab File: BM008034.D

Acq: 23 Nov 2016 15:11

Instrument :

BNA_M

ClientSampleId :

SSTD0.452

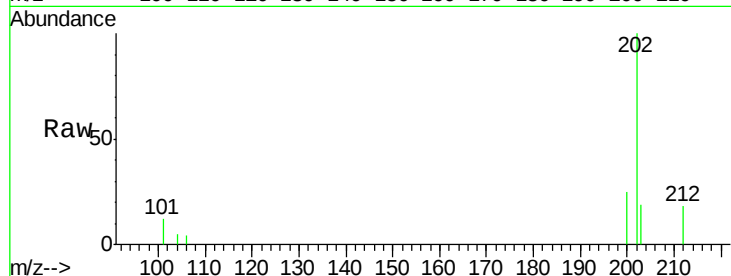
Tgt Ion:202 Resp: 2774

Ion Ratio Lower Upper

202 100

101 11.6 0.0 30.3

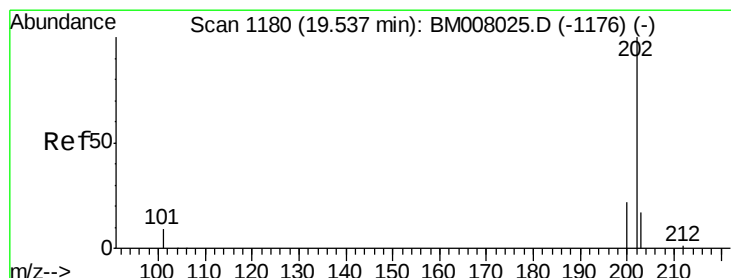
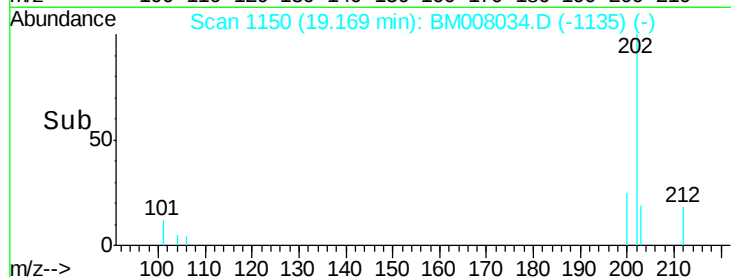
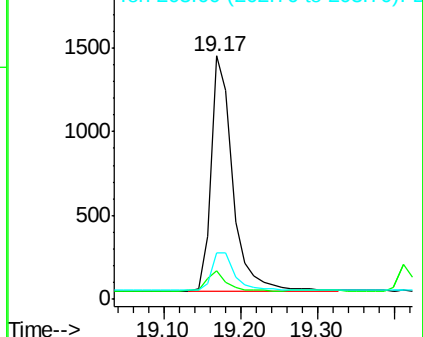
203 18.9 0.0 39.5



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: 0.46 ng/ul

RT: 19.54 min Scan# 1181

Delta R.T. 0.01 min

Lab File: BM008034.D

Acq: 23 Nov 2016 15:11

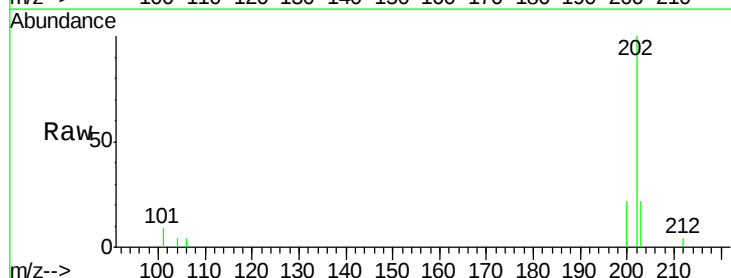
Tgt Ion:202 Resp: 2922

Ion Ratio Lower Upper

202 100

200 22.0 18.2 27.4

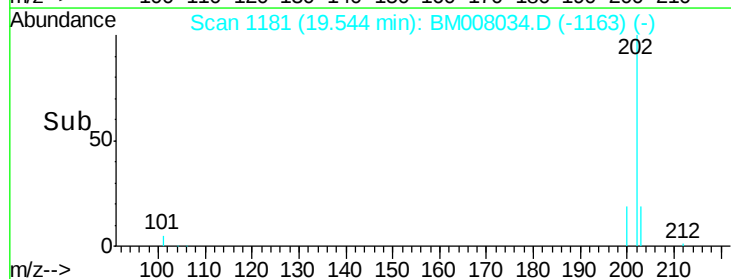
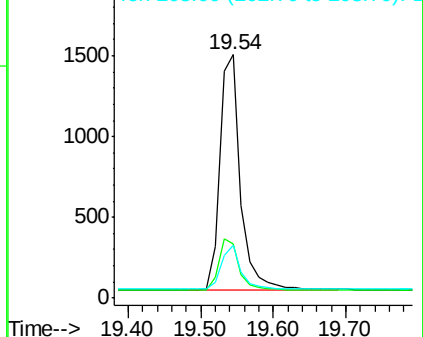
203 21.8 15.6 23.4

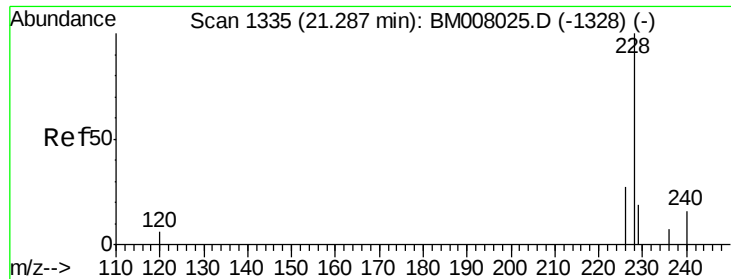


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.43 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. 0.00 min

Lab File: BM008034.D

Acq: 23 Nov 2016 15:11

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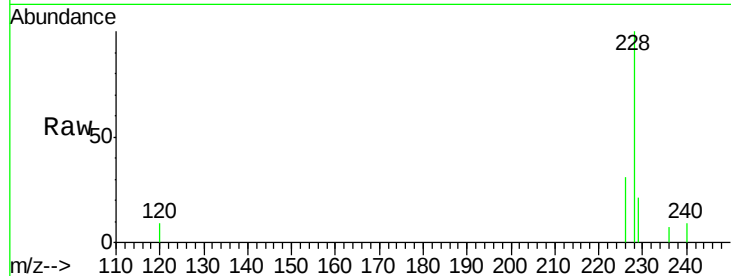
Tgt Ion:228 Resp: 2452

Ion Ratio Lower Upper

228 100

226 31.0 22.8 34.2

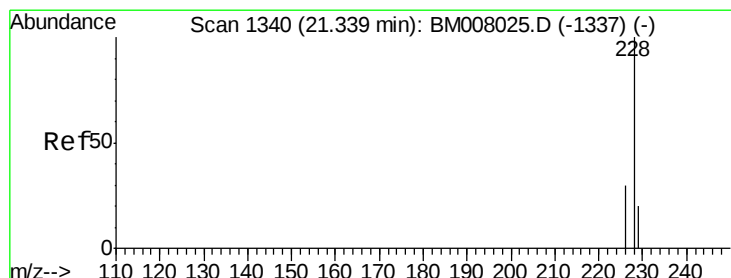
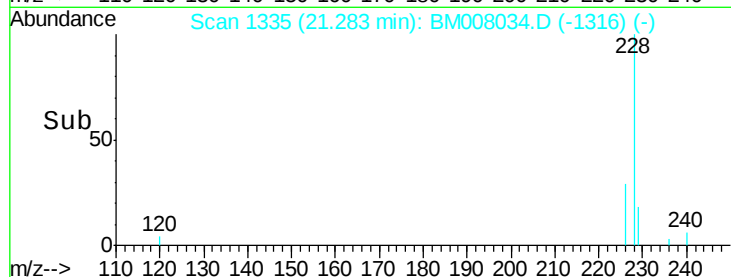
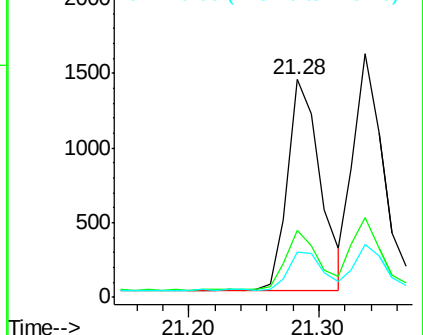
229 21.0 17.0 25.6



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: 0.38 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. 0.00 min

Lab File: BM008034.D

Acq: 23 Nov 2016 15:11

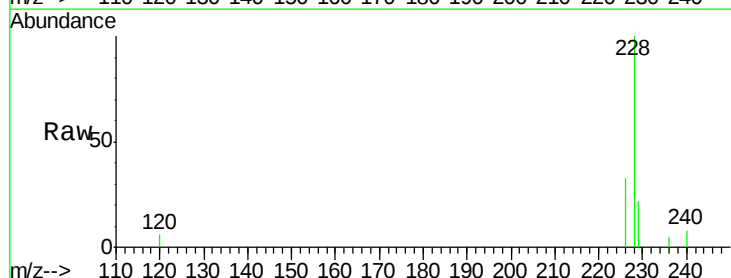
Tgt Ion:228 Resp: 2634

Ion Ratio Lower Upper

228 100

226 32.8 23.4 35.0

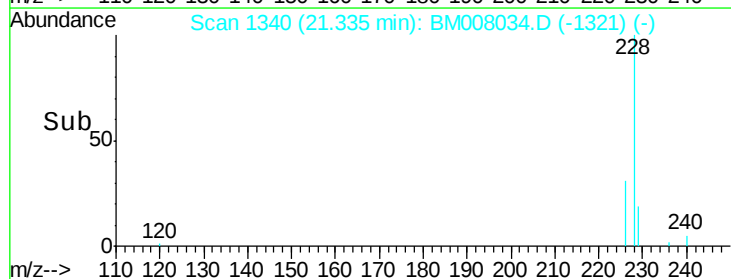
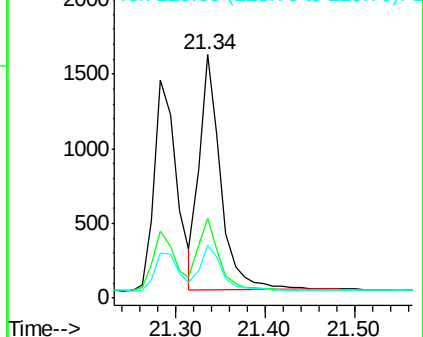
229 21.6 17.7 26.5

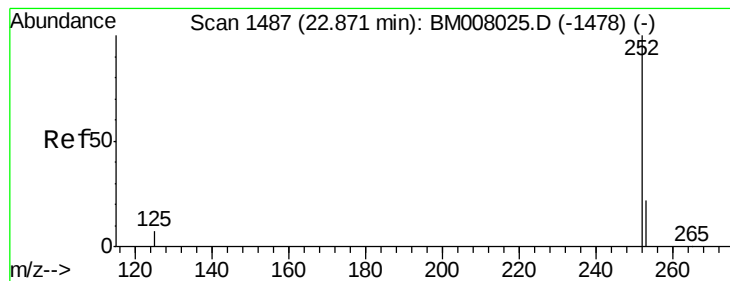


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.38 ng/ul

RT: 22.87 min Scan# 1487

Delta R.T. 0.00 min

Lab File: BM008034.D

Acq: 23 Nov 2016 15:11

Instrument :

BNA_M

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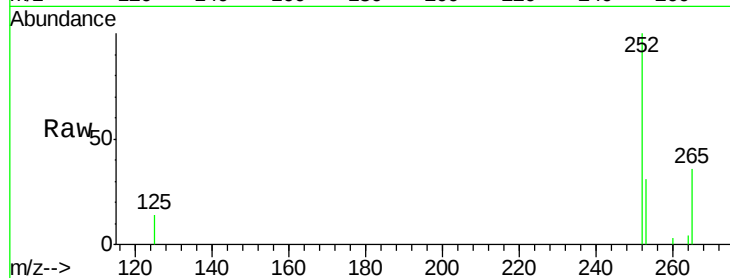
Tgt Ion:252 Resp: 2605

Ion Ratio Lower Upper

252 100

253 31.5 0.0 64.2

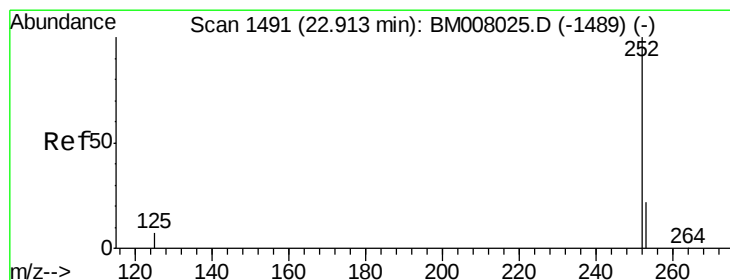
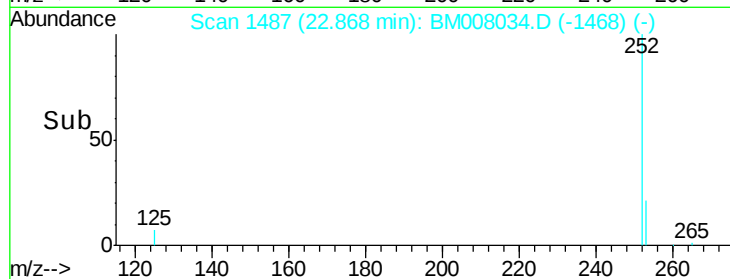
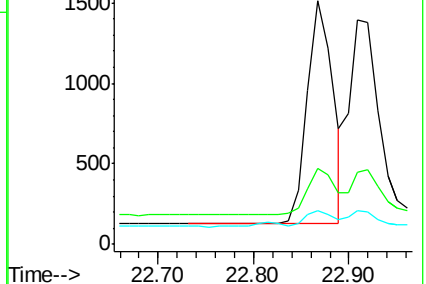
125 13.8 0.0 35.0



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: 0.41 ng/ul

RT: 22.91 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BM008034.D

Acq: 23 Nov 2016 15:11

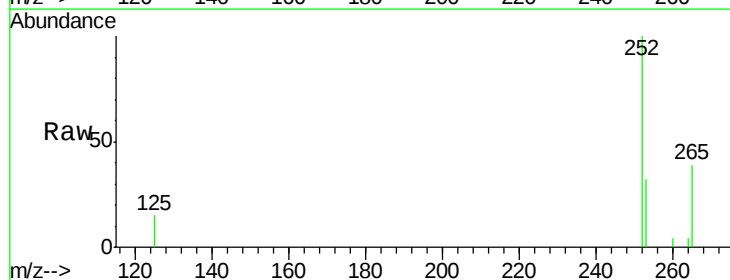
Tgt Ion:252 Resp: 2861

Ion Ratio Lower Upper

252 100

253 31.9 24.5 36.7

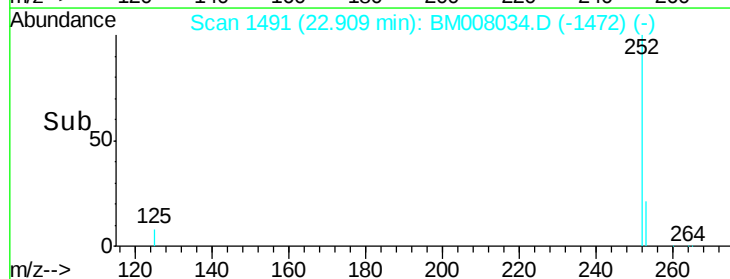
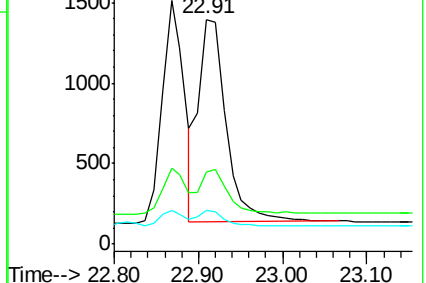
125 14.7 13.7 20.5

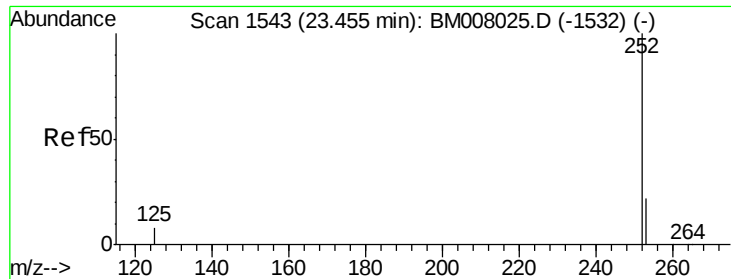


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.40 ng/ul

RT: 23.45 min Scan# 1543

Delta R.T. 0.01 min

Lab File: BM008034.D

Acq: 23 Nov 2016 15:11

Instrument :

BNA_M

ClientSampleId :

SSTD0.452

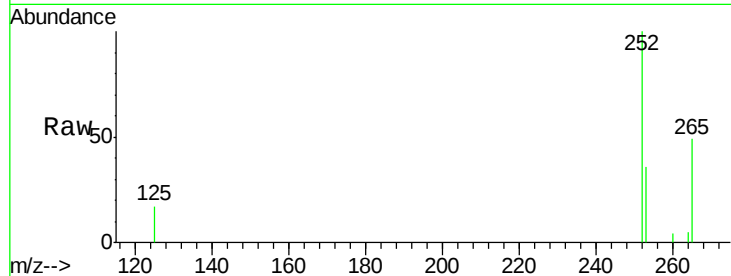
Tgt Ion:252 Resp: 2571

Ion Ratio Lower Upper

252 100

253 35.7 28.5 42.7

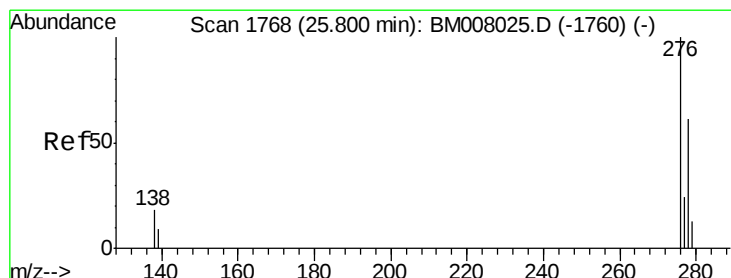
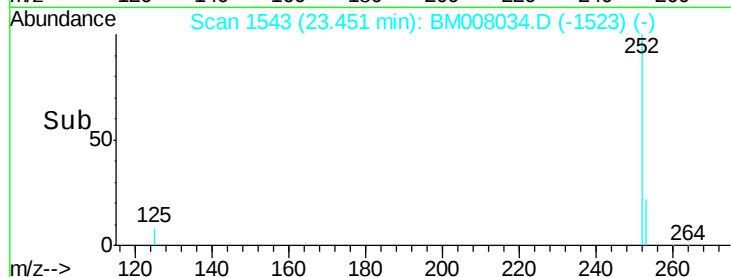
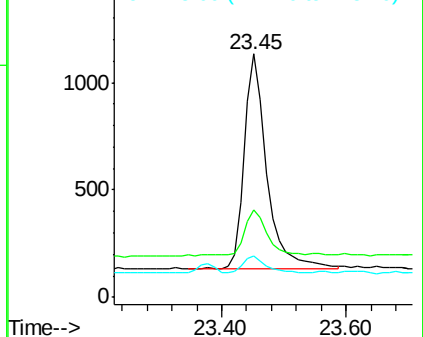
125 17.2 18.1 27.1#



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: 0.39 ng/ul

RT: 25.81 min Scan# 1769

Delta R.T. 0.01 min

Lab File: BM008034.D

Acq: 23 Nov 2016 15:11

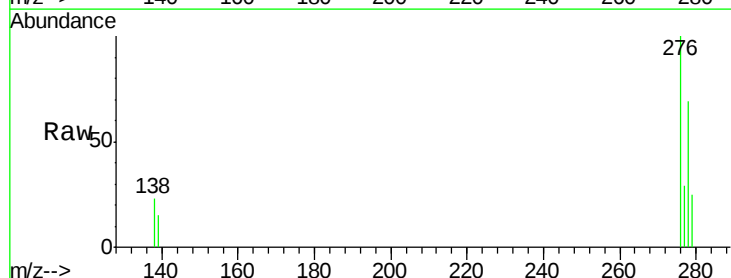
Tgt Ion:276 Resp: 3123

Ion Ratio Lower Upper

276 100

138 18.3 19.1 28.7#

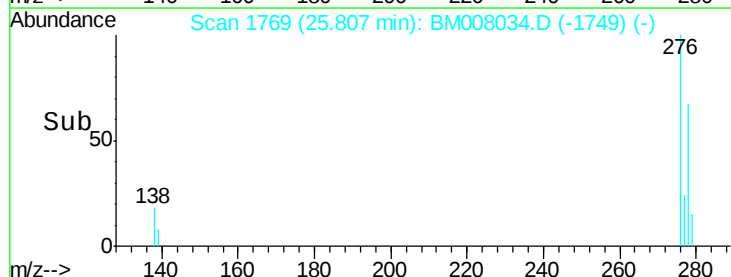
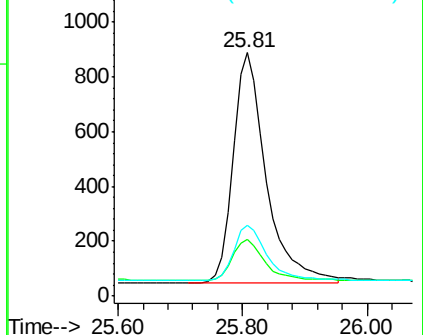
277 24.6 19.6 29.4

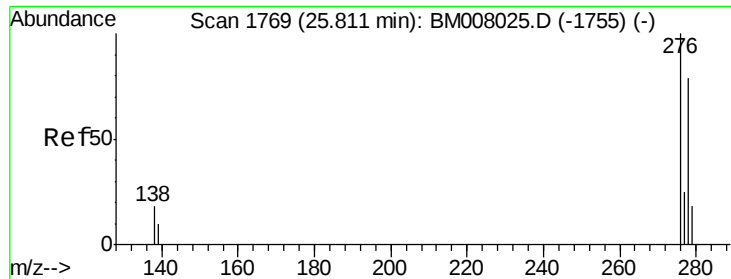


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

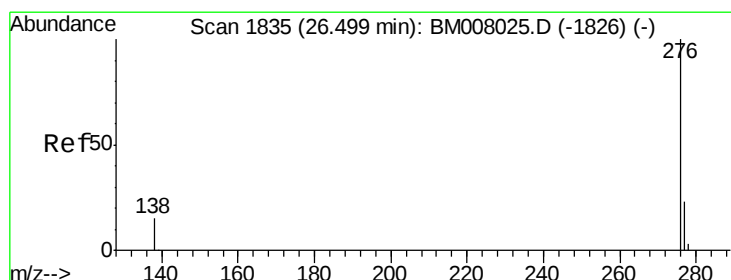
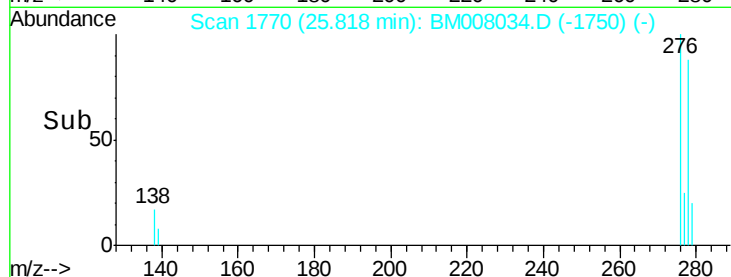
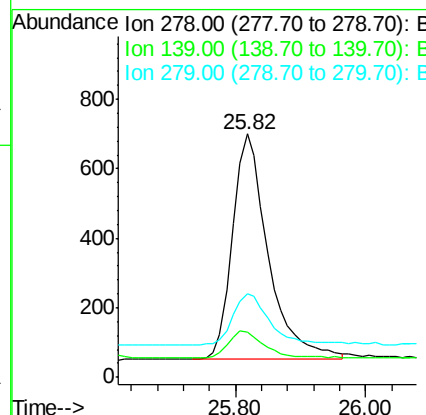
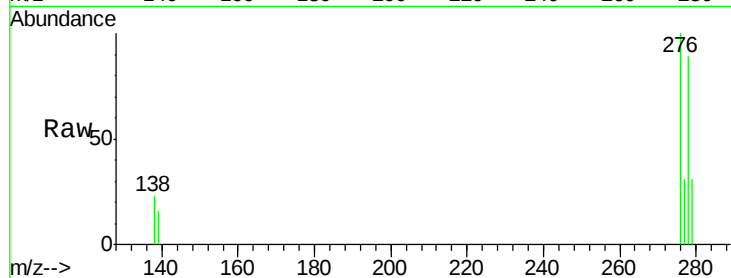




#25
Dibenzo(a,h)anthracene
Concen: 0.39 ng/ul
RT: 25.82 min Scan# 1770
Delta R.T. 0.01 min
Lab File: BM008034.D
Acq: 23 Nov 2016 15:11

Instrument :
BNA_M
ClientSampleId :
SSTD0.452

Tgt Ion: 278 Resp: 2487
Ion Ratio Lower Upper
278 100
139 18.4 17.4 26.0
279 34.5 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.39 ng/ul
RT: 26.50 min Scan# 1835
Delta R.T. 0.00 min
Lab File: BM008034.D
Acq: 23 Nov 2016 15:11

Tgt Ion: 276 Resp: 2767
Ion Ratio Lower Upper
276 100
277 29.0 21.8 32.8
138 22.5 20.5 30.7

