

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031215\
 Data File : BM000698.D
 Acq On : 12 Mar 2015 14:30
 Operator : TP/IZ
 Sample : SSTD0.272
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.272

Quant Time: Mar 13 01:40:11 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM031215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 13 01:28:15 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4366	4.00	ng/ul	0.00
2) Naphthalene-d8	10.43	136	15509	4.00	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	2425	4.00	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	19293	4.00	ng/ul	0.00
16) Chrysene-d12	21.25	240	17381	4.00	ng/ul	0.00
20) Perylene-d12	23.45	264	15835	4.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.03	152	4092	0.20	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	8576	0.20	ng/ul	0.01

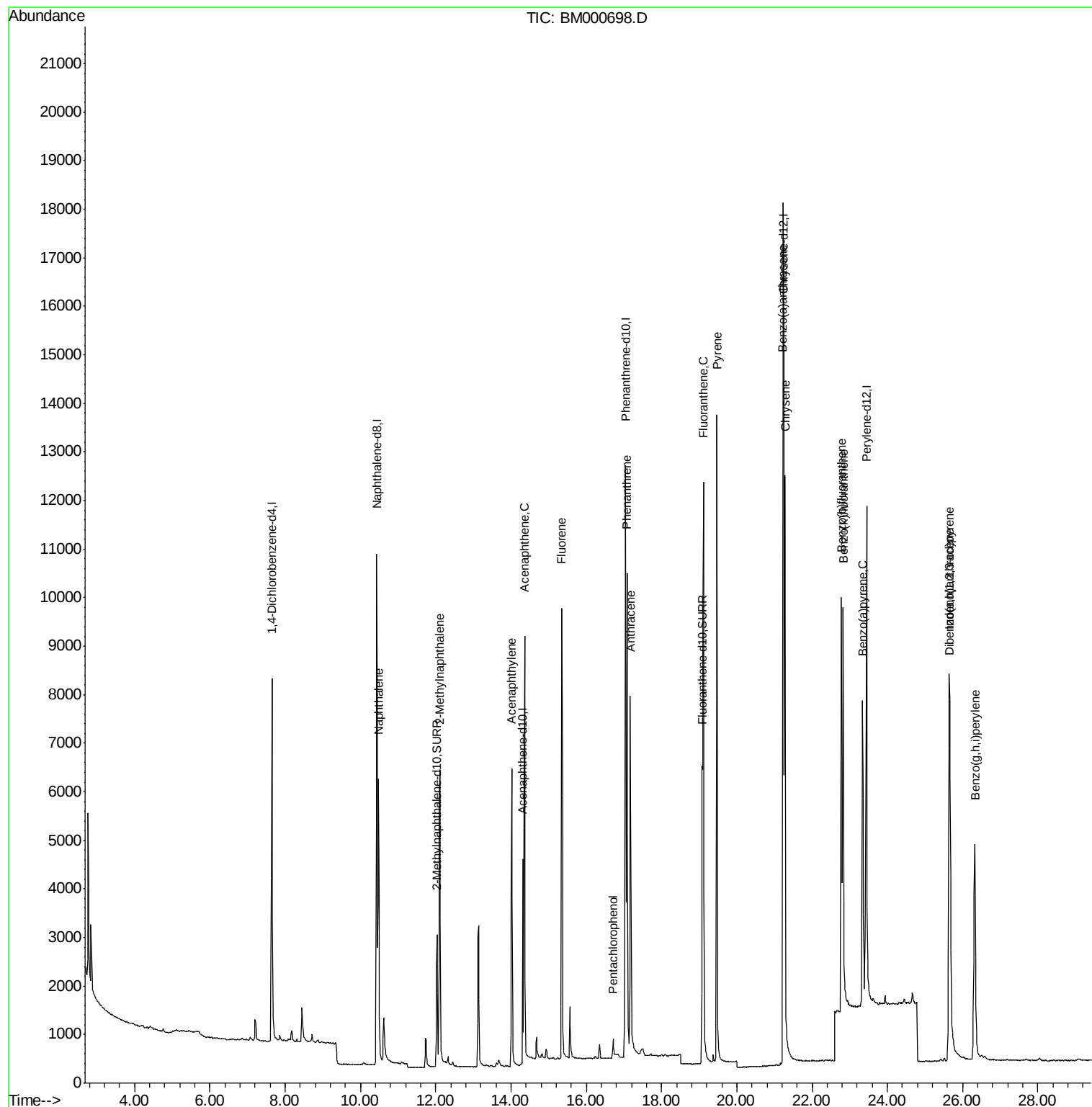
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.48	128	8083	0.20	ng/ul	97
5) 2-Methylnaphthalene	12.11	142	5464	0.20	ng/ul	99
7) Acenaphthylene	14.02	152	7471	0.18	ng/ul	99
8) Acenaphthene	14.36	153	5458	0.18	ng/ul	99
9) Fluorene	15.35	166	6959	0.18	ng/ul	97
11) Pentachlorophenol	16.71	266	460	0.18	ng/ul	93
12) Phenanthrene	17.08	178	11219	0.20	ng/ul	99
13) Anthracene	17.17	178	10083	0.19	ng/ul	98
15) Fluoranthene	19.11	202	12840	0.19	ng/ul	98
17) Pyrene	19.48	202	13363	0.20	ng/ul	100
18) Benzo(a)anthracene	21.23	228	10426	0.20	ng/ul	99
19) Chrysene	21.28	228	12786	0.20	ng/ul	98
21) Benzo(b)fluoranthene	22.78	252	11366	0.19	ng/ul	94
22) Benzo(k)fluoranthene	22.82	252	11815	0.20	ng/ul	94
23) Benzo(a)pyrene	23.34	252	10707	0.20	ng/ul	94
24) Indeno(1,2,3-cd)pyrene	25.65	276	11083	0.19	ng/ul	99
25) Dibenzo(a,h)anthracene	25.66	278	8710	0.19	ng/ul	94
26) Benzo(g,h,i)perylene	26.32	276	9839	0.19	ng/ul	96

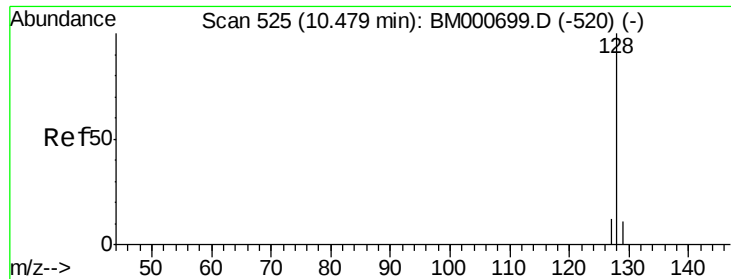
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031215\
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#3

Naphthalene

Concen: 0.20 ng/ul

RT: 10.48 min Scan# 525

Delta R.T. -0.00 min

Lab File: BM000698.D

Acq: 12 Mar 2015 14:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.272

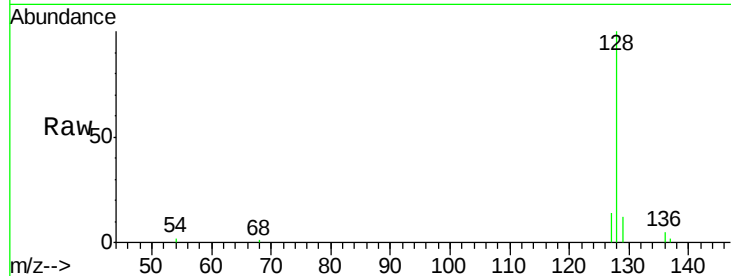
Tgt Ion:128 Resp: 8083

Ion Ratio Lower Upper

128 100

129 11.7 8.9 13.3

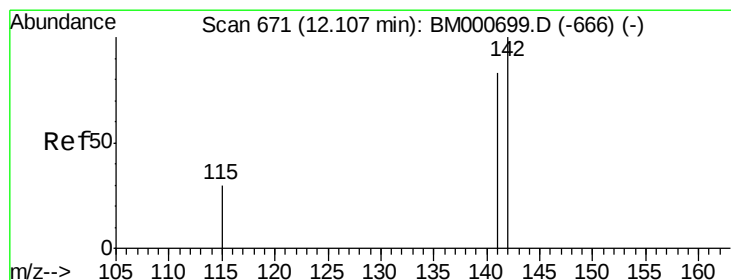
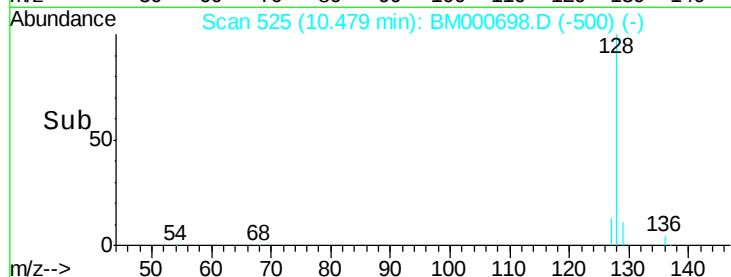
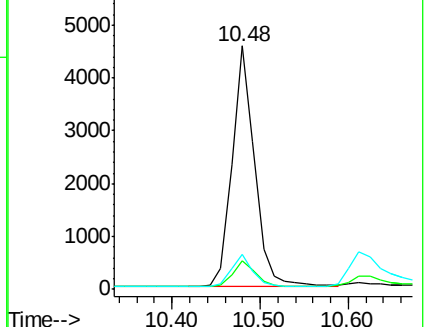
127 14.1 10.2 15.2



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: 0.20 ng/ul

RT: 12.11 min Scan# 671

Delta R.T. 0.00 min

Lab File: BM000698.D

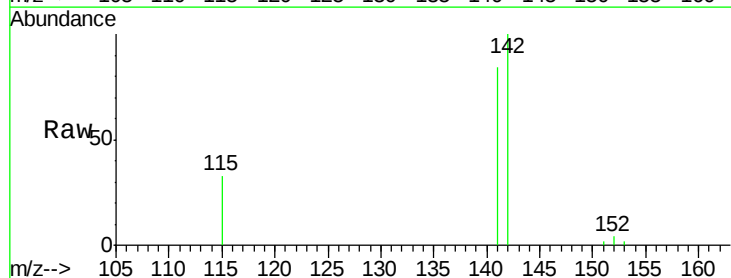
Acq: 12 Mar 2015 14:30

Tgt Ion:142 Resp: 5464

Ion Ratio Lower Upper

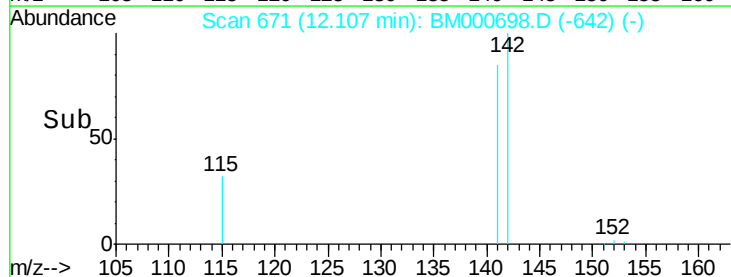
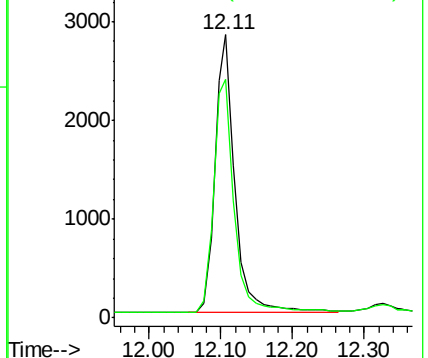
142 100

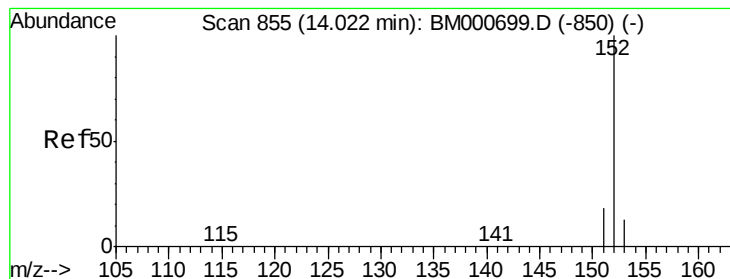
141 88.8 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.18 ng/ul

RT: 14.02 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM000698.D

Acq: 12 Mar 2015 14:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.272

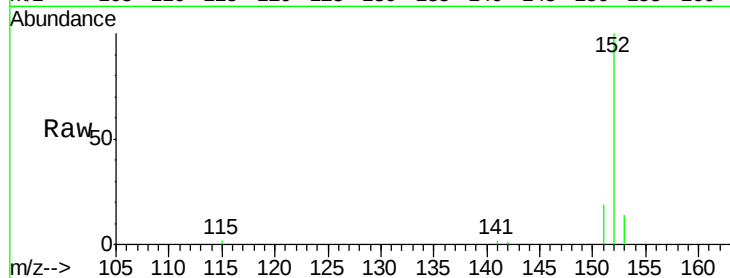
Tgt Ion:152 Resp: 7471

Ion Ratio Lower Upper

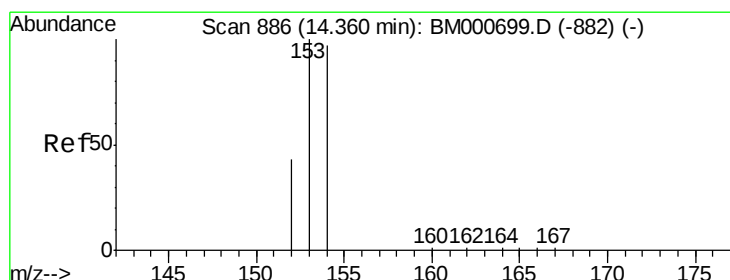
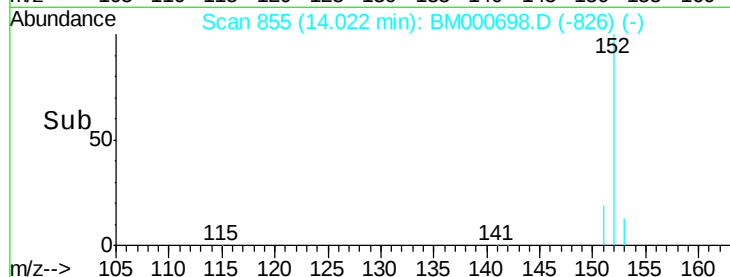
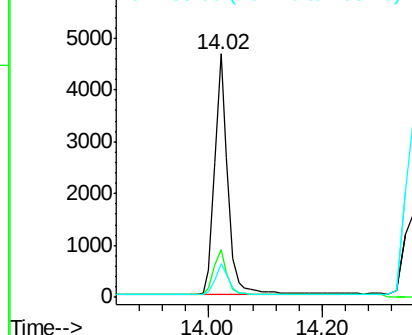
152 100

151 19.5 15.0 22.6

153 13.8 10.7 16.1



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: 0.18 ng/ul

RT: 14.36 min Scan# 886

Delta R.T. 0.00 min

Lab File: BM000698.D

Acq: 12 Mar 2015 14:30

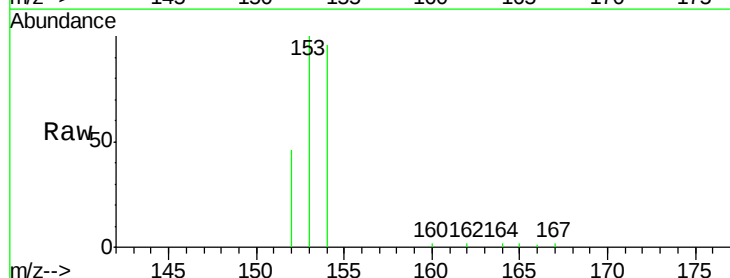
Tgt Ion:153 Resp: 5458

Ion Ratio Lower Upper

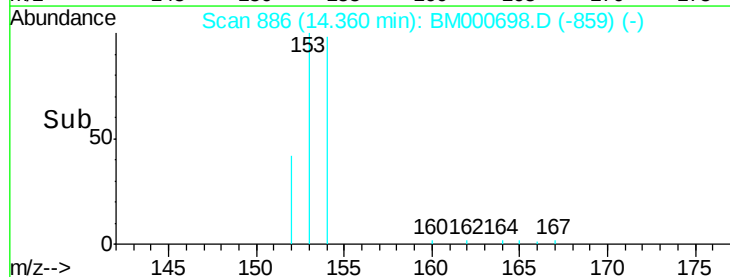
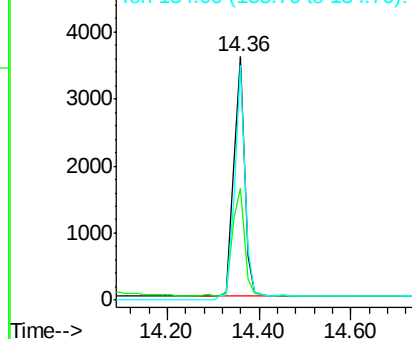
153 100

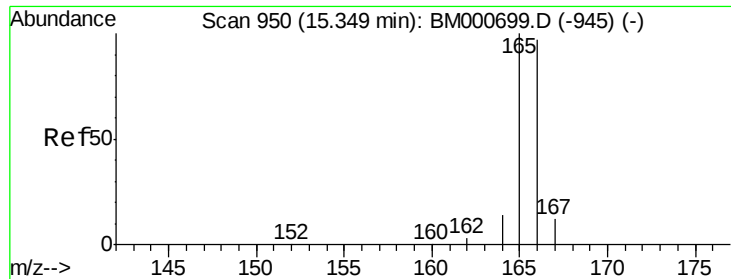
152 45.8 34.7 52.1

154 96.4 77.3 115.9



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

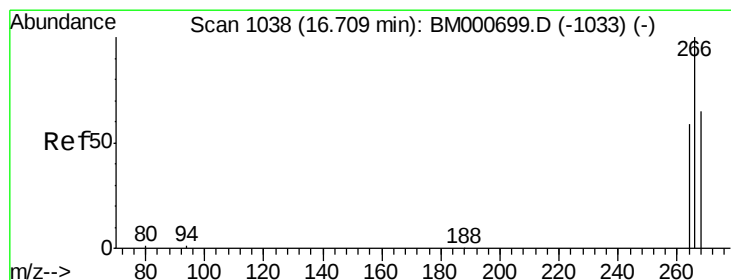
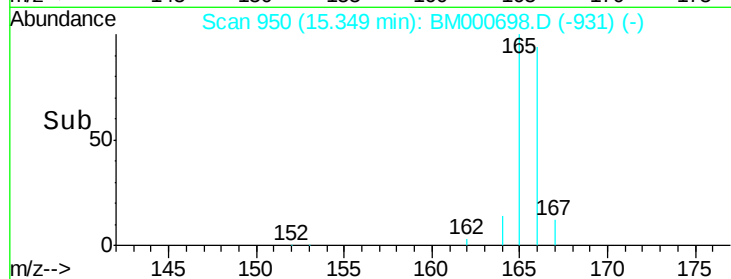
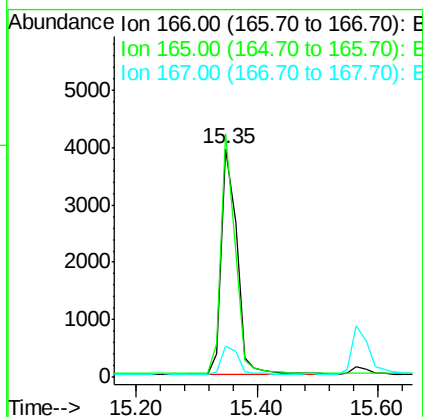
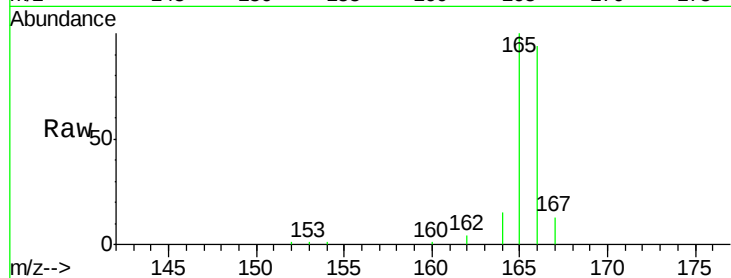




#9
Fluorene
 Concen: 0.18 ng/ul
 RT: 15.35 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: BM000698.D
 Acq: 12 Mar 2015 14:30

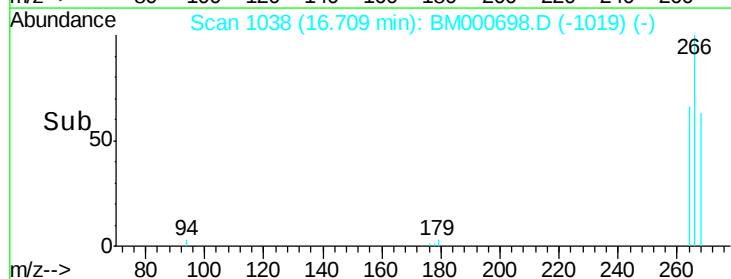
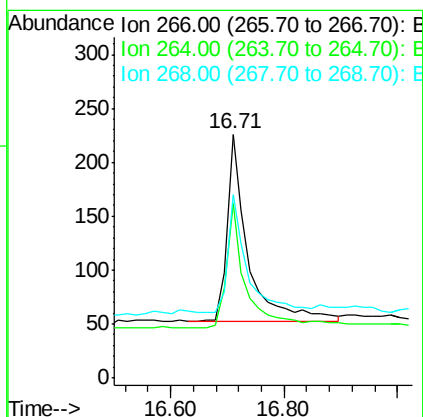
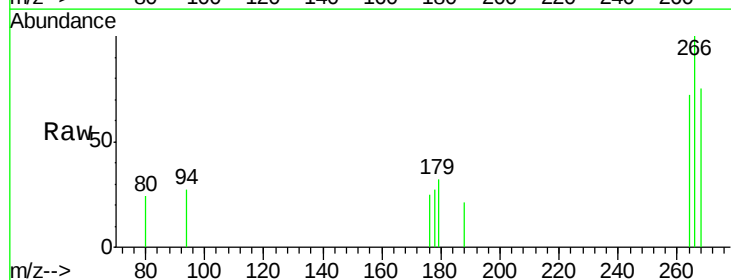
Instrument :
 BNA_M
 ClientSampleId :
 SST0.272

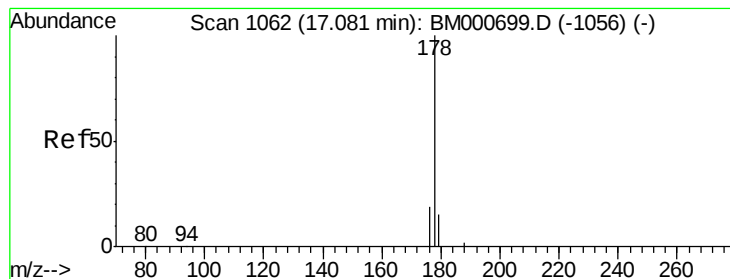
Tgt Ion:166 Resp: 6959
 Ion Ratio Lower Upper
 166 100
 165 106.6 83.0 124.4
 167 13.6 10.3 15.5



#11
Pentachlorophenol
 Concen: 0.18 ng/ul
 RT: 16.71 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BM000698.D
 Acq: 12 Mar 2015 14:30

Tgt Ion:266 Resp: 460
 Ion Ratio Lower Upper
 266 100
 264 62.8 48.8 73.2
 268 55.7 51.7 77.5





#12

Phenanthrene

Concen: 0.20 ng/ul

RT: 17.08 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BM000698.D

Acq: 12 Mar 2015 14:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.272

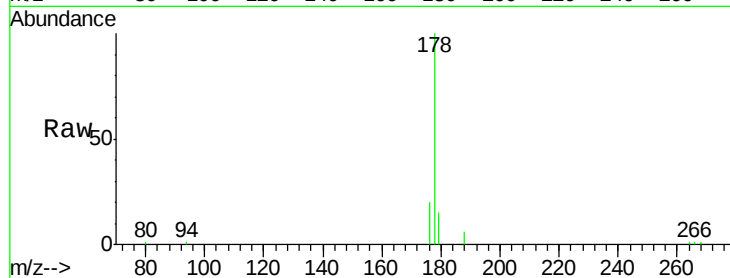
Tgt Ion:178 Resp: 11219

Ion Ratio Lower Upper

178 100

176 20.3 15.5 23.3

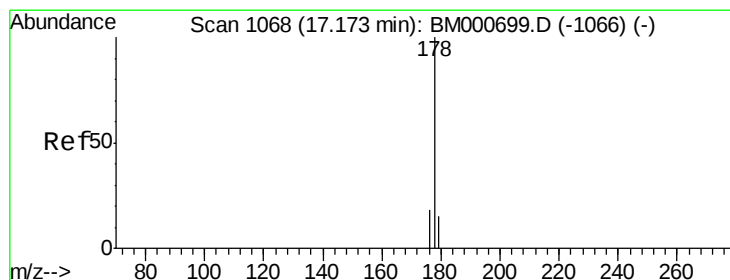
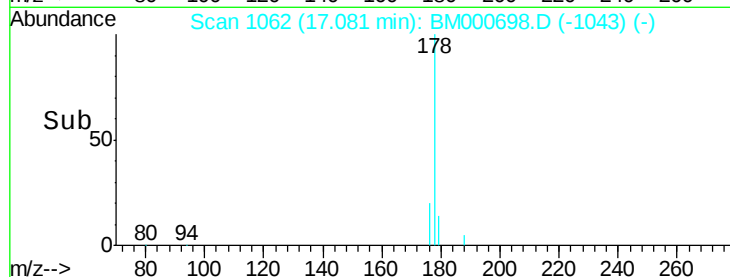
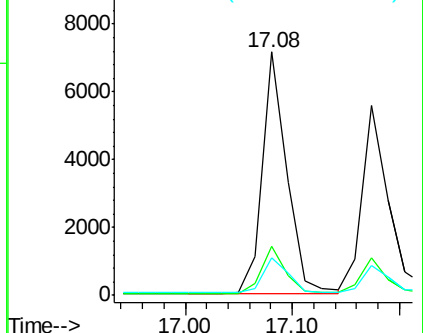
179 15.4 12.1 18.1



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



#13

Anthracene

Concen: 0.19 ng/ul

RT: 17.17 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BM000698.D

Acq: 12 Mar 2015 14:30

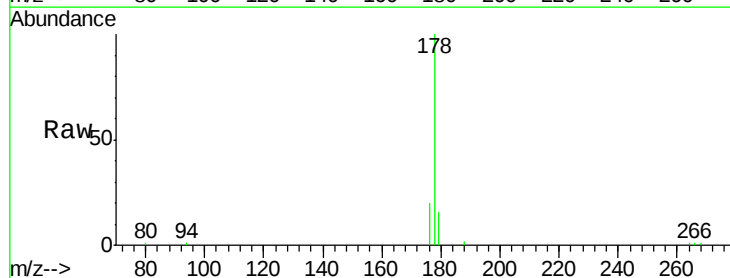
Tgt Ion:178 Resp: 10083

Ion Ratio Lower Upper

178 100

176 19.6 14.6 22.0

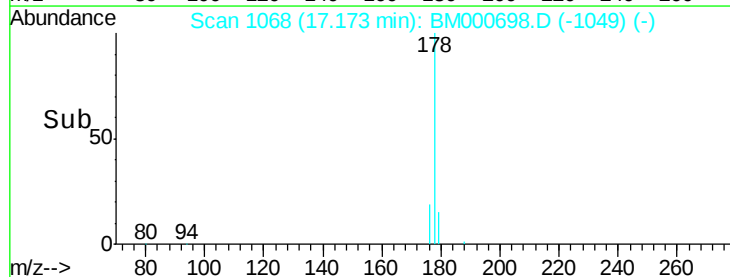
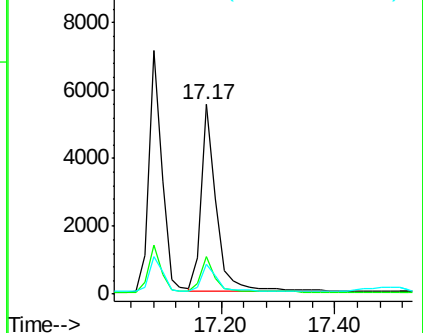
179 15.8 12.2 18.2

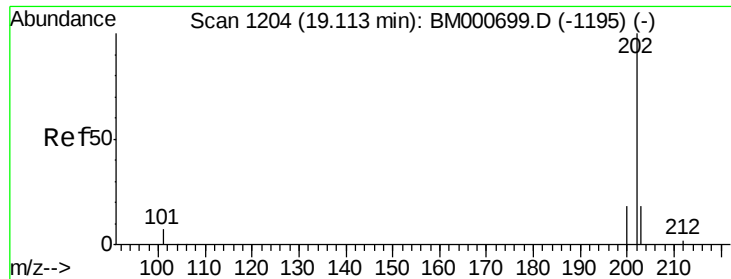


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.19 ng/ul

RT: 19.11 min Scan# 1204

Delta R.T. 0.00 min

Lab File: BM000698.D

Acq: 12 Mar 2015 14:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.272

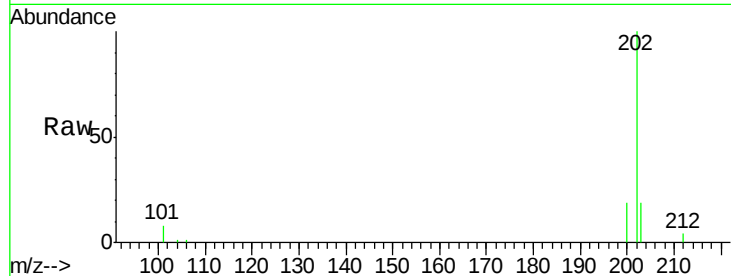
Tgt Ion:202 Resp: 12840

Ion Ratio Lower Upper

202 100

101 7.9 0.0 27.4

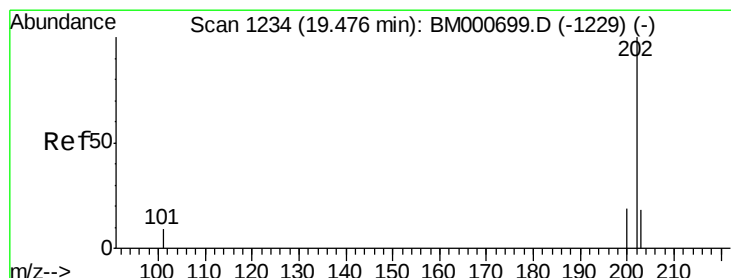
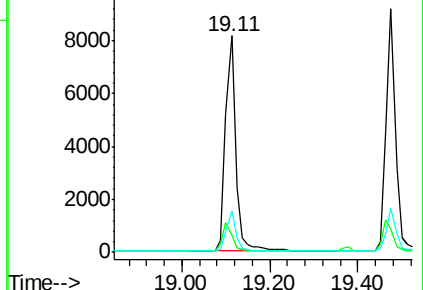
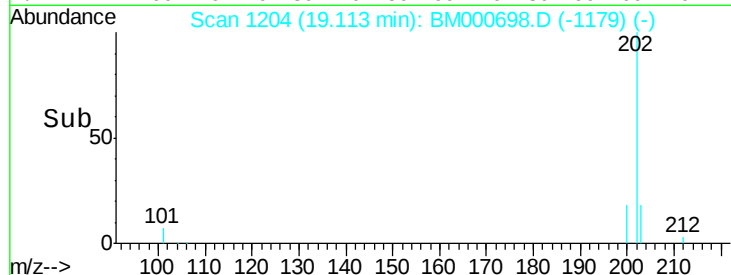
203 18.9 0.0 38.1



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: 0.20 ng/ul

RT: 19.48 min Scan# 1234

Delta R.T. 0.00 min

Lab File: BM000698.D

Acq: 12 Mar 2015 14:30

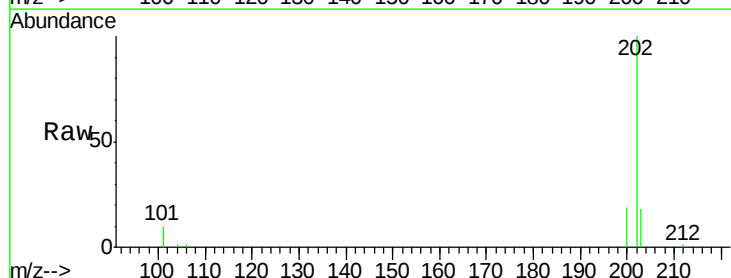
Tgt Ion:202 Resp: 13363

Ion Ratio Lower Upper

202 100

200 19.4 15.5 23.3

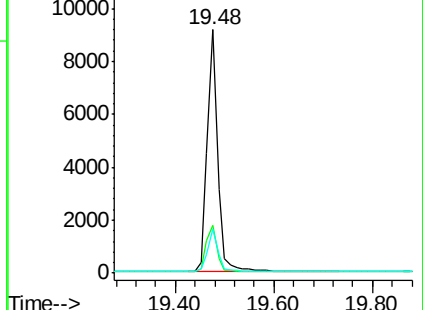
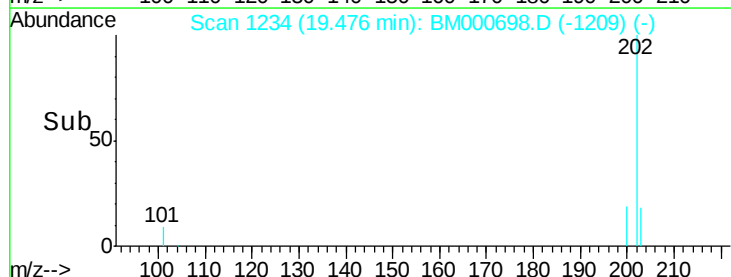
203 18.2 14.4 21.6

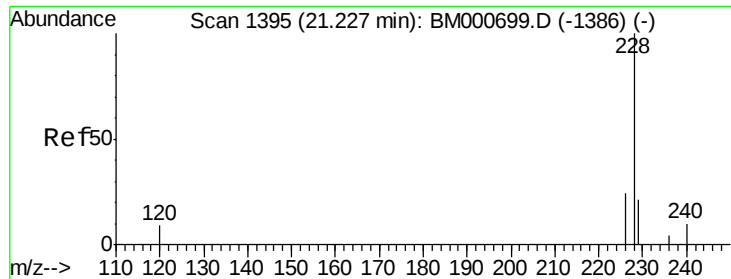


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.20 ng/ul

RT: 21.23 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BM000698.D

Acq: 12 Mar 2015 14:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.272

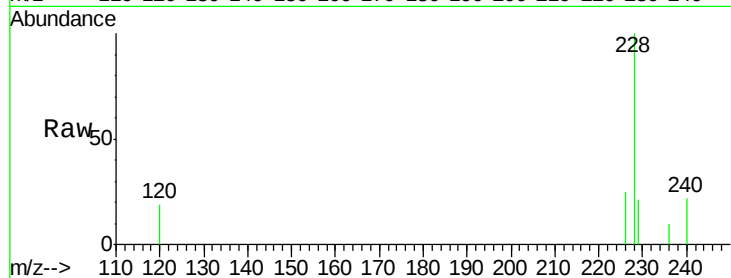
Tgt Ion:228 Resp: 10426

Ion Ratio Lower Upper

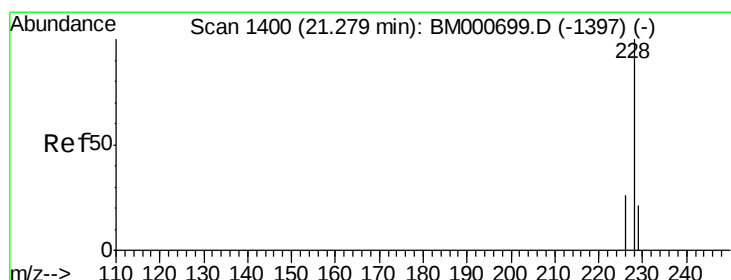
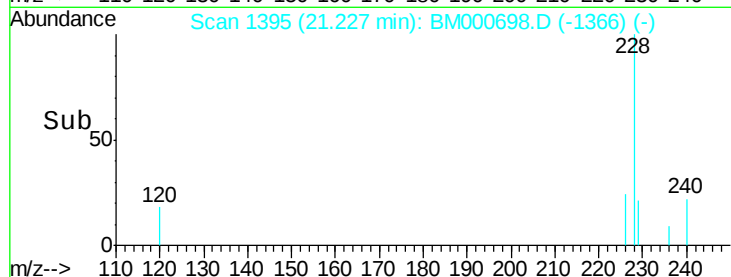
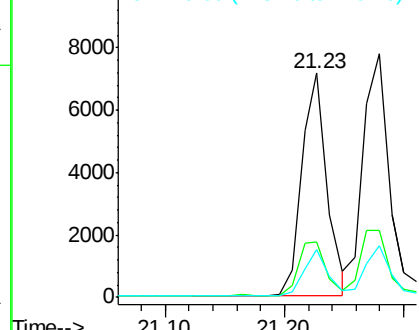
228 100

226 24.7 19.1 28.7

229 21.1 16.7 25.1



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: 0.20 ng/ul

RT: 21.28 min Scan# 1400

Delta R.T. 0.00 min

Lab File: BM000698.D

Acq: 12 Mar 2015 14:30

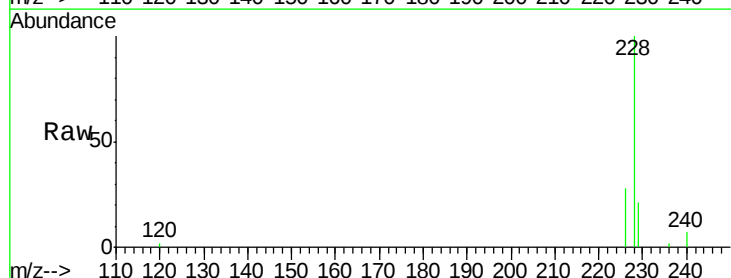
Tgt Ion:228 Resp: 12786

Ion Ratio Lower Upper

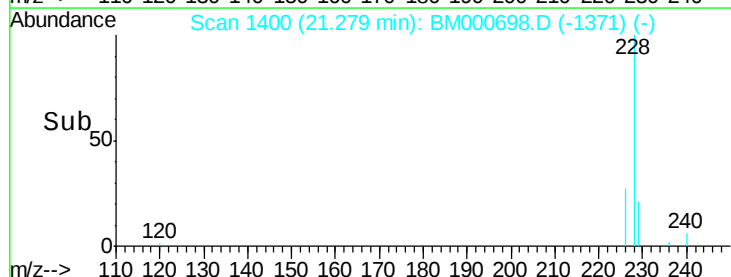
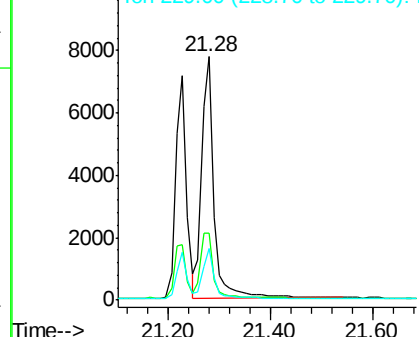
228 100

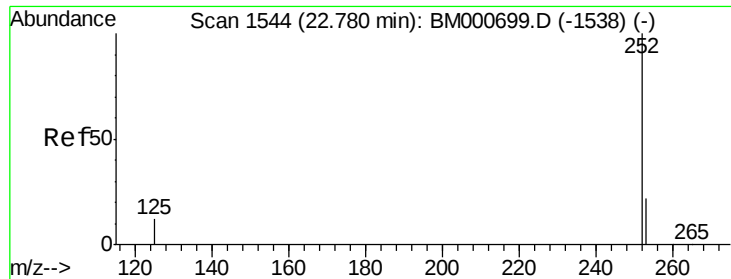
226 27.6 21.0 31.4

229 21.3 17.0 25.4



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: 0.19 ng/u1

RT: 22.78 min Scan# 1544

Delta R.T. 0.00 min

Lab File: BM000698.D

Acq: 12 Mar 2015 14:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.272

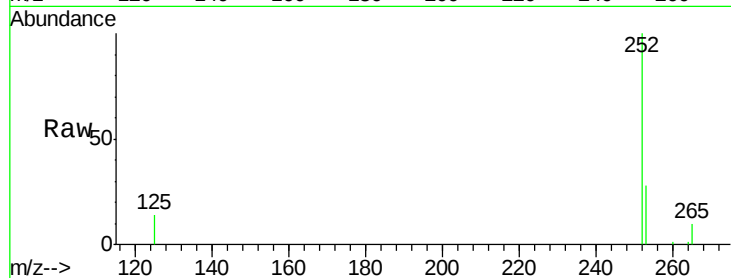
Tgt Ion:252 Resp: 11366

Ion Ratio Lower Upper

252 100

253 28.5 0.0 49.6

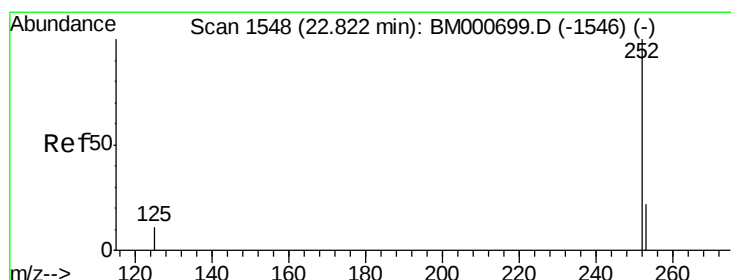
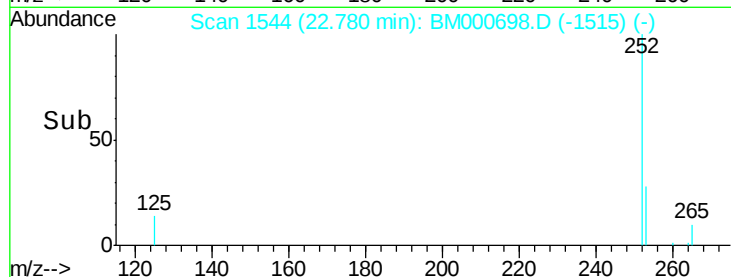
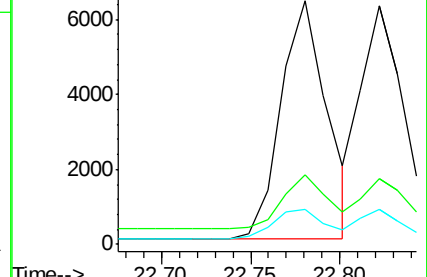
125 14.1 0.0 25.4



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: 0.20 ng/u1

RT: 22.82 min Scan# 1548

Delta R.T. 0.00 min

Lab File: BM000698.D

Acq: 12 Mar 2015 14:30

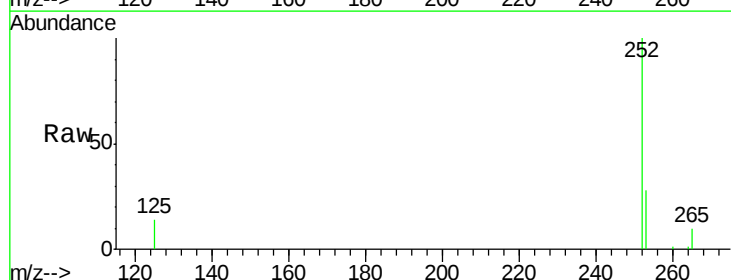
Tgt Ion:252 Resp: 11815

Ion Ratio Lower Upper

252 100

253 27.5 19.4 29.0

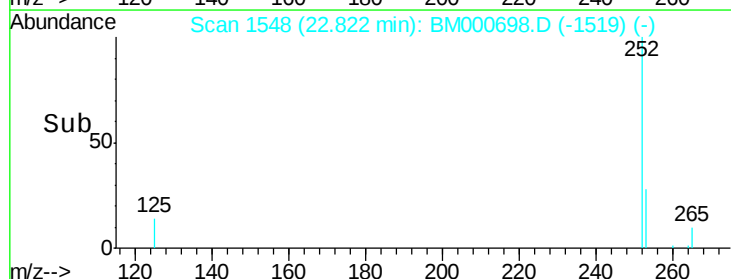
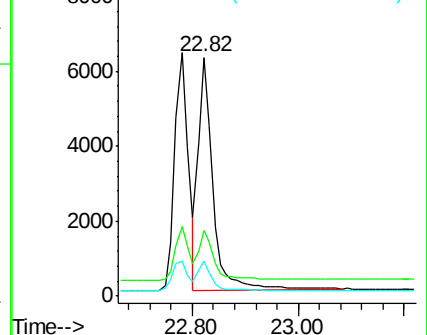
125 14.5 10.1 15.1

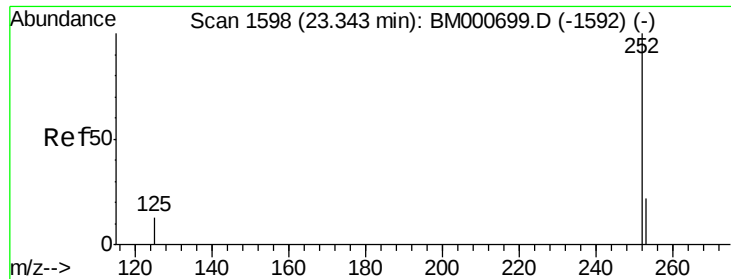


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.20 ng/ul

RT: 23.34 min Scan# 1598

Delta R.T. 0.00 min

Lab File: BM000698.D

Acq: 12 Mar 2015 14:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.272

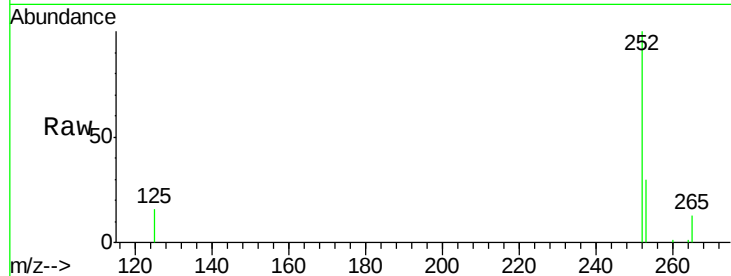
Tgt Ion:252 Resp: 10707

Ion Ratio Lower Upper

252 100

253 30.2 20.9 31.3

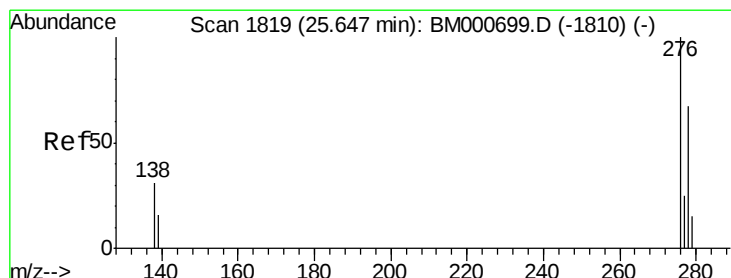
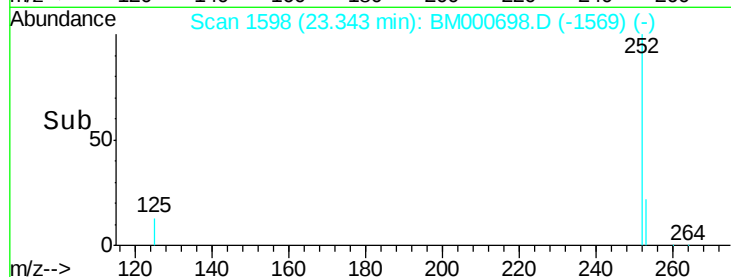
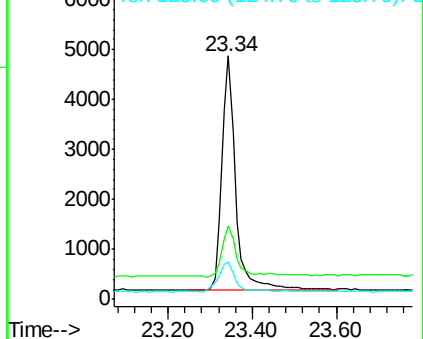
125 15.7 11.4 17.0



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.19 ng/ul

RT: 25.65 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BM000698.D

Acq: 12 Mar 2015 14:30

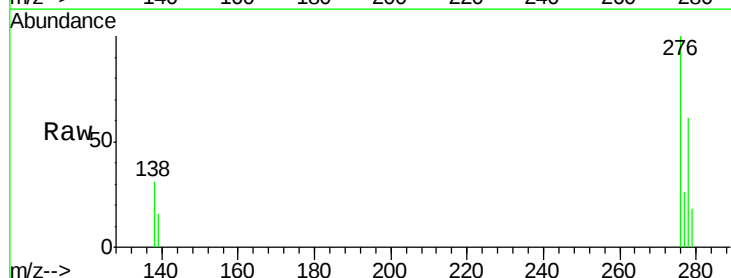
Tgt Ion:276 Resp: 11083

Ion Ratio Lower Upper

276 100

138 31.3 25.6 38.4

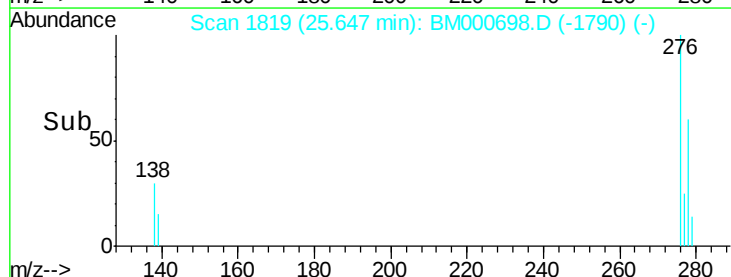
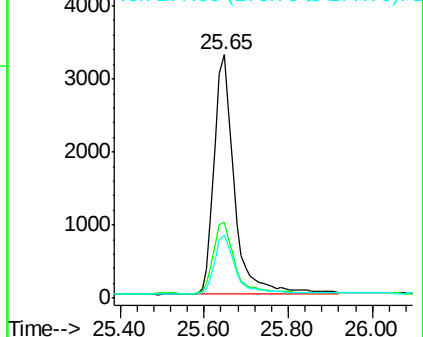
277 25.2 19.7 29.5

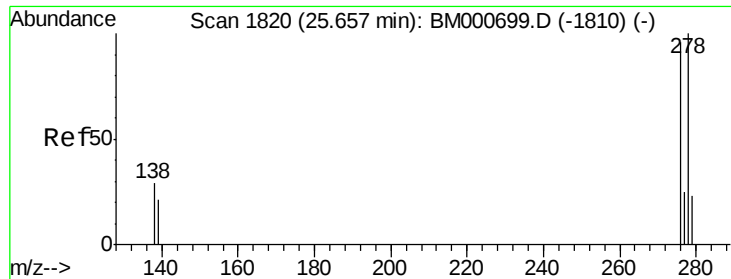


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



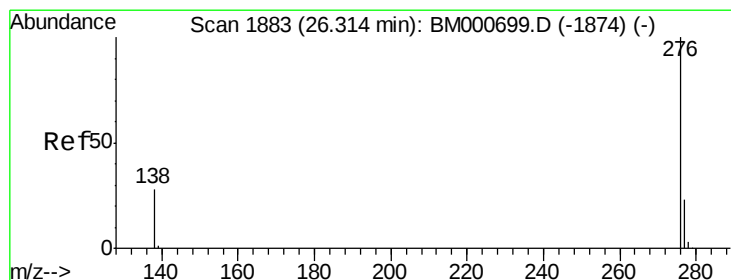
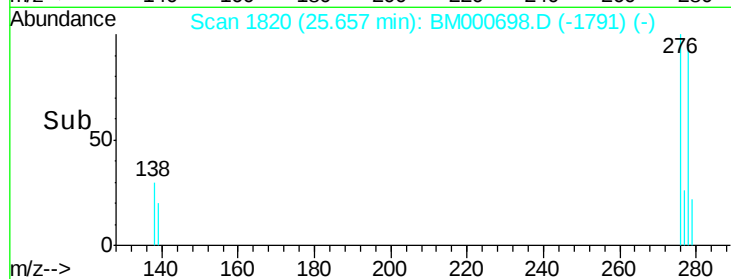
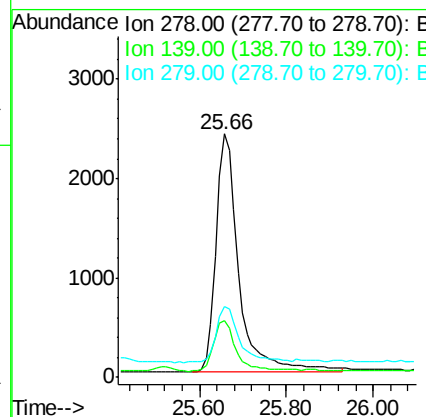
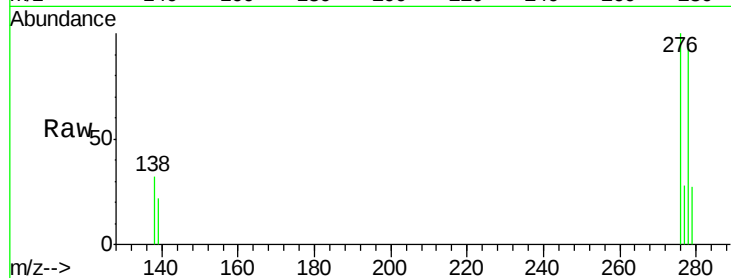


#25
Dibenzo(a,h)anthracene
Concen: 0.19 ng/ul
RT: 25.66 min Scan# 1820
Delta R.T. 0.00 min
Lab File: BM000698.D
Acq: 12 Mar 2015 14:30

Instrument :
BNA_M
ClientSampleId :
SSTD0.272

Tgt Ion: 278 Resp: 8710

Ion	Ratio	Lower	Upper
278	100		
139	23.3	17.4	26.2
279	29.1	20.0	30.0



#26
Benzo(g,h,i)perylene
Concen: 0.19 ng/ul
RT: 26.32 min Scan# 1884
Delta R.T. 0.01 min
Lab File: BM000698.D
Acq: 12 Mar 2015 14:30

Tgt Ion: 276 Resp: 9839

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.0	28.4
138	27.1	23.3	34.9

