

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030915\
 Data File : BM000662.D
 Acq On : 09 Mar 2015 15:58
 Operator : TP/IZ
 Sample : SSTD0.147
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.147

Quant Time: Mar 10 02:36:25 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM030915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 02:25:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	4540	0.40	ng/ul	0.00
2) Naphthalene-d8	10.44	136	15283	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	4969	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	14932	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	12205	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	11285	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.04	152	1911	0.09	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	3176	0.10	ng/ul	0.00

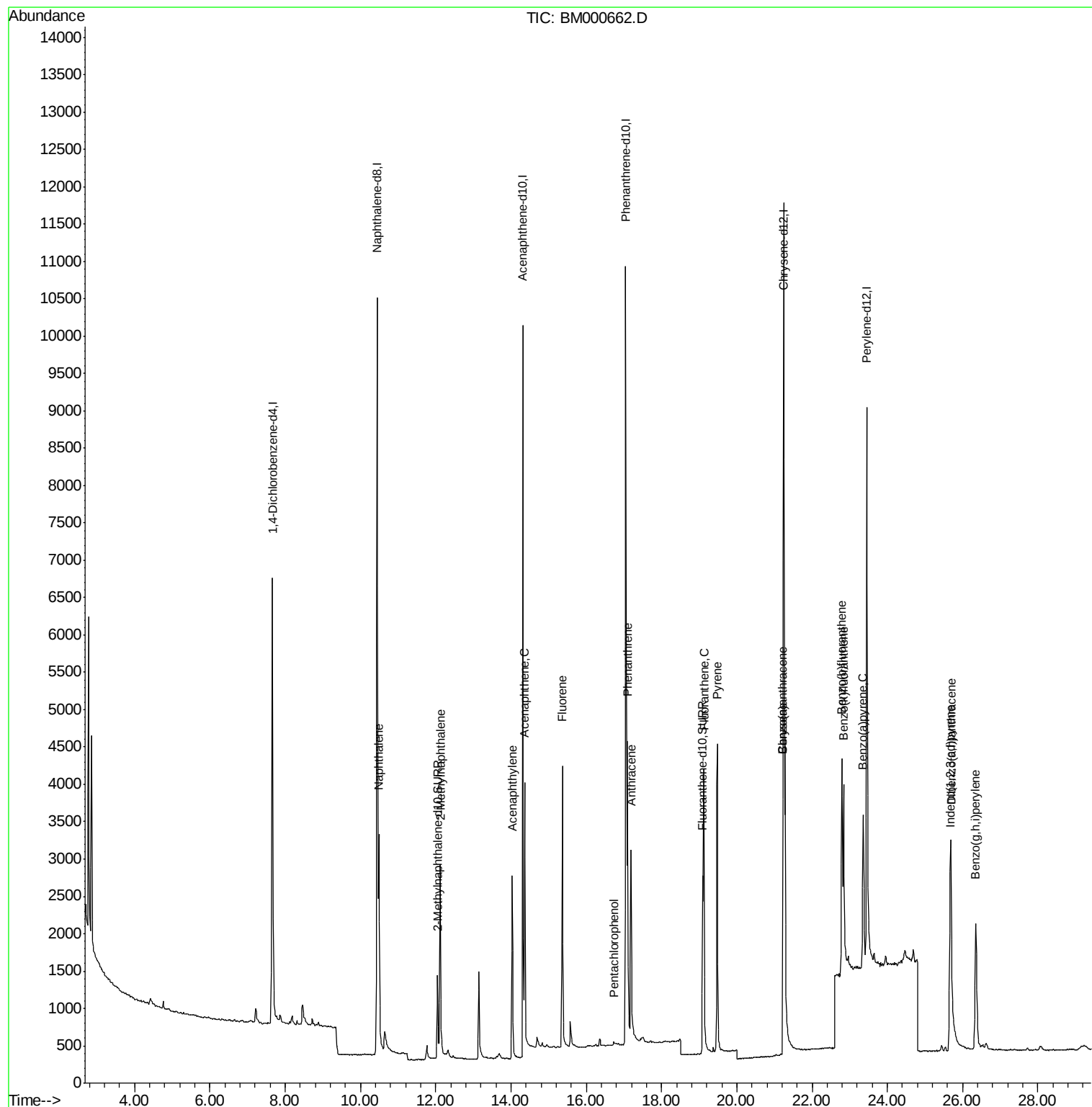
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.49	128	4040	0.10	ng/ul	97
5) 2-Methylnaphthalene	12.12	142	2524	0.09	ng/ul	99
7) Acenaphthylene	14.03	152	3219	0.14	ng/ul	95
8) Acenaphthene	14.36	153	2465	0.14	ng/ul	96
9) Fluorene	15.36	166	2895	0.13	ng/ul	92
11) Pentachlorophenol	16.72	266	66	0.02	ng/ul	89
12) Phenanthrene	17.10	178	4443	0.10	ng/ul	96
13) Anthracene	17.19	178	3790	0.09	ng/ul	96
15) Fluoranthene	19.12	202	4715	0.10	ng/ul	88
17) Pyrene	19.49	202	4886	0.09	ng/ul#	91
18) Benzo(a)anthracene	21.23	228	3567	0.09	ng/ul	97
19) Chrysene	21.23	228	3567	0.08	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	3757	0.09	ng/ul	83
22) Benzo(k)fluoranthene	22.83	252	4524	0.11	ng/ul#	80
23) Benzo(a)pyrene	23.35	252	3967	0.10	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	25.67	276	4392	0.12	ng/ul	99
25) Dibenzo(a,h)anthracene	25.69	278	3515	0.12	ng/ul#	84
26) Benzo(g,h,i)perylene	26.35	276	4016	0.12	ng/ul	92

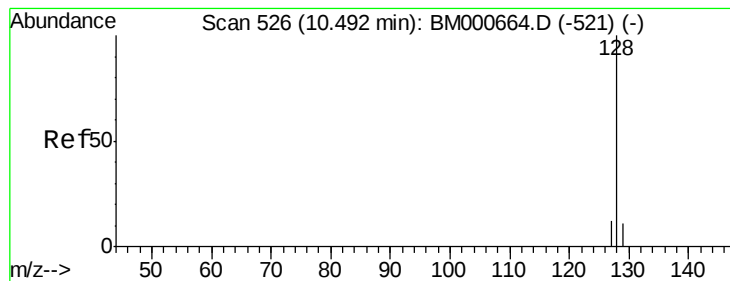
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 10 02:36:25 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM030915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 10 02:25:17 2015
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#3

Naphthalene

Concen: 0.10 ng/ul

RT: 10.49 min Scan# 526

Delta R.T. -0.00 min

Lab File: BM000662.D

Acq: 09 Mar 2015 15:58

Instrument :

BNA_M

ClientSampleId :

SSTD0.147

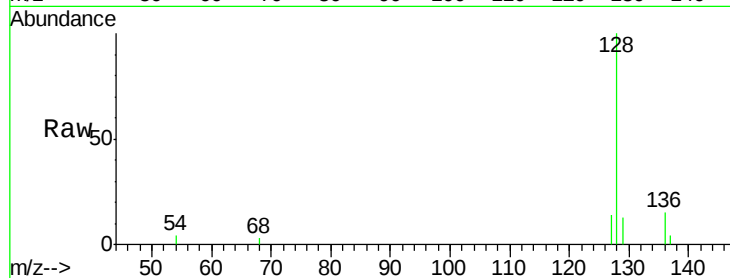
Tgt Ion:128 Resp: 4040

Ion Ratio Lower Upper

128 100

129 12.8 9.5 14.3

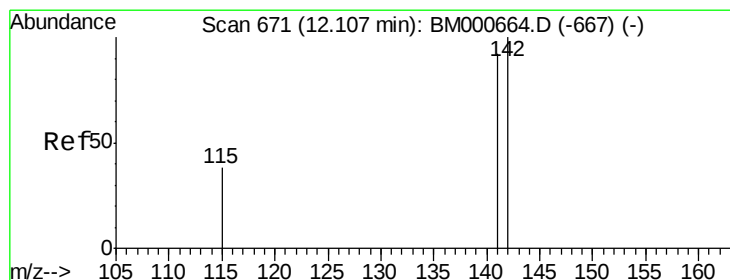
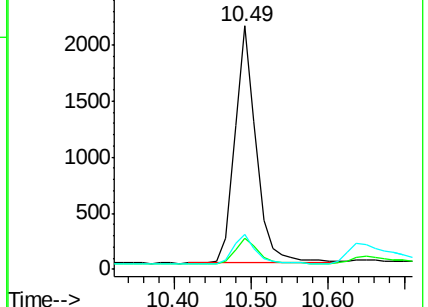
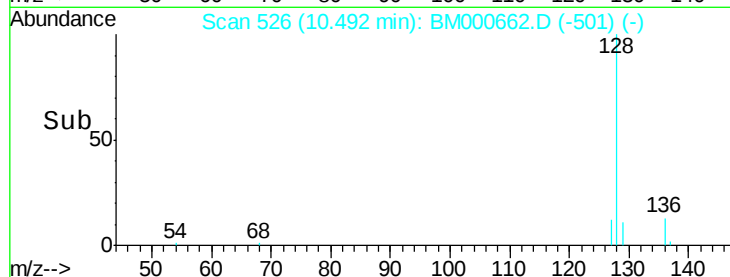
127 14.4 10.1 15.1



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: 0.09 ng/ul

RT: 12.12 min Scan# 672

Delta R.T. 0.01 min

Lab File: BM000662.D

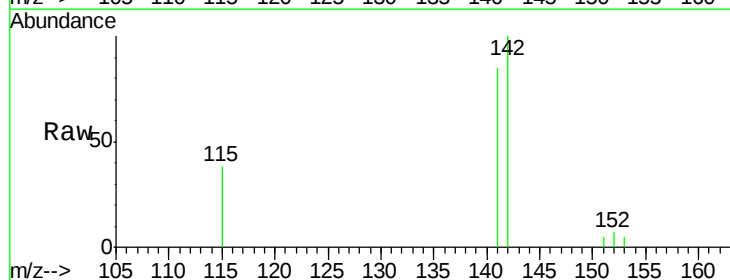
Acq: 09 Mar 2015 15:58

Tgt Ion:142 Resp: 2524

Ion Ratio Lower Upper

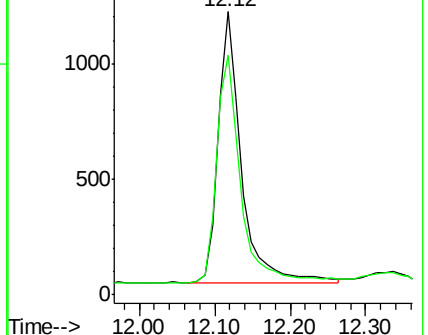
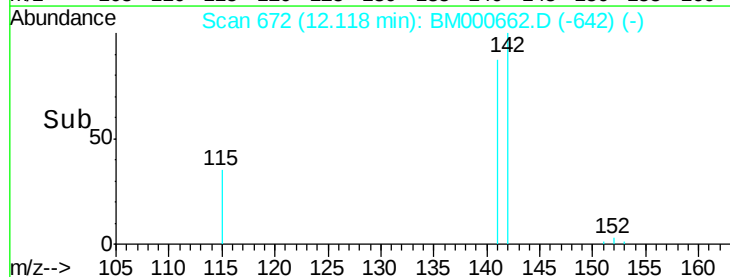
142 100

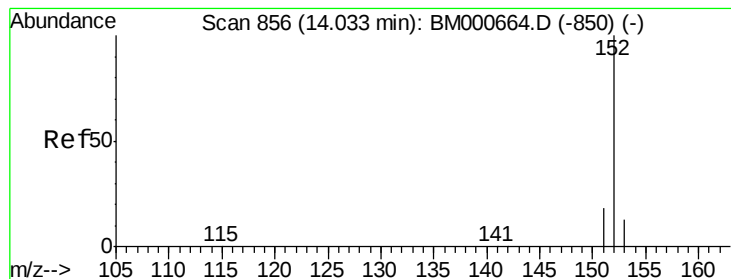
141 88.8 70.4 105.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.14 ng/ul

RT: 14.03 min Scan# 856

Delta R.T. -0.00 min

Lab File: BM000662.D

Acq: 09 Mar 2015 15:58

Instrument :

BNA_M

ClientSampleId :

SSTD0.147

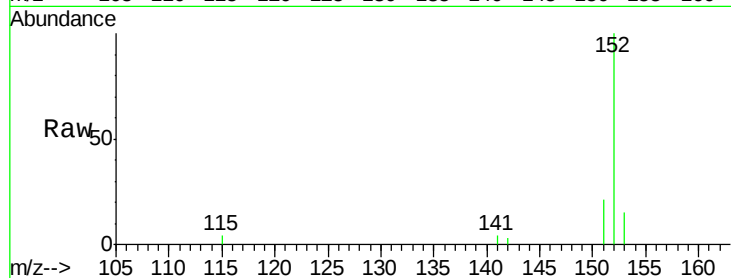
Tgt Ion:152 Resp: 3219

Ion Ratio Lower Upper

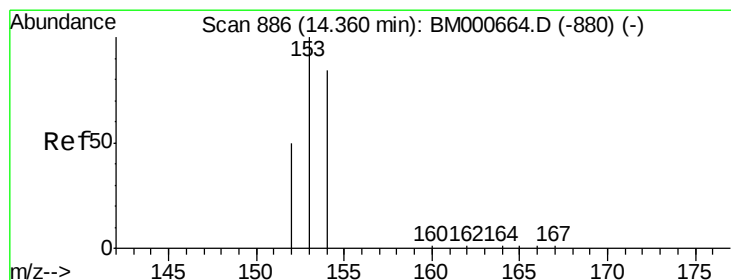
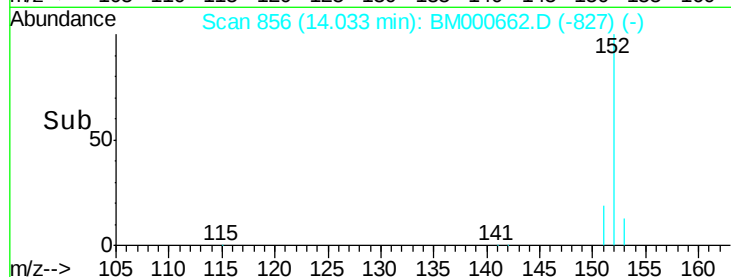
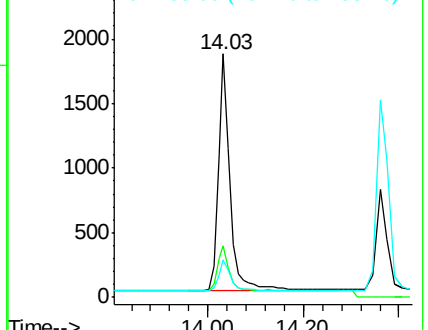
152 100

151 21.4 15.0 22.6

153 15.4 11.3 16.9



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: 0.14 ng/ul

RT: 14.36 min Scan# 886

Delta R.T. -0.00 min

Lab File: BM000662.D

Acq: 09 Mar 2015 15:58

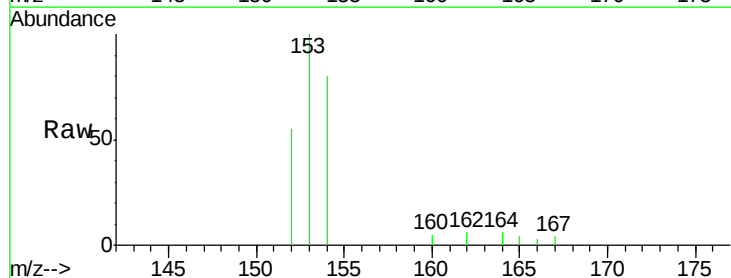
Tgt Ion:153 Resp: 2465

Ion Ratio Lower Upper

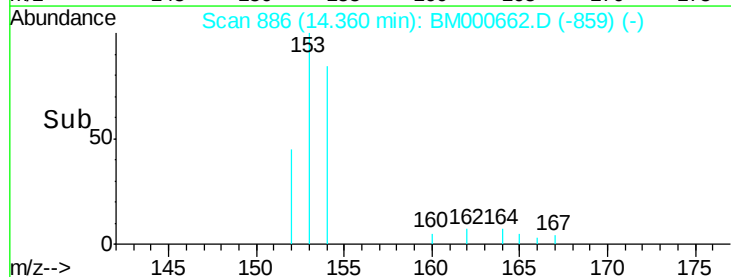
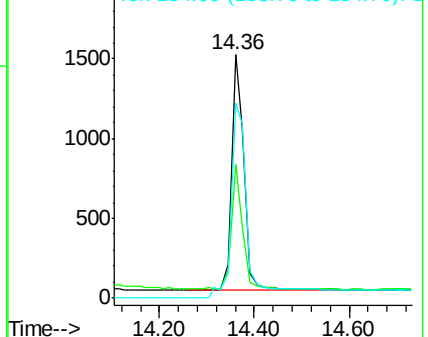
153 100

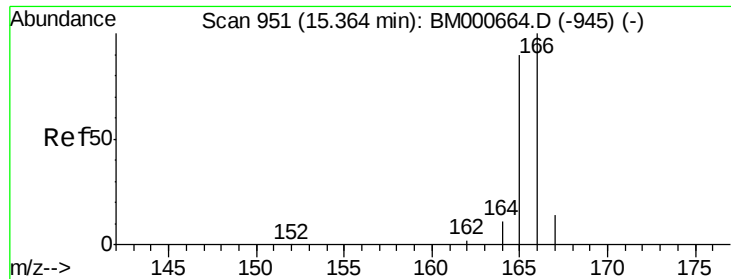
152 54.7 41.0 61.4

154 80.2 66.3 99.5



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

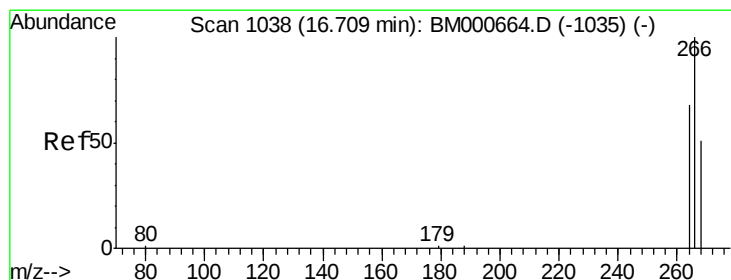
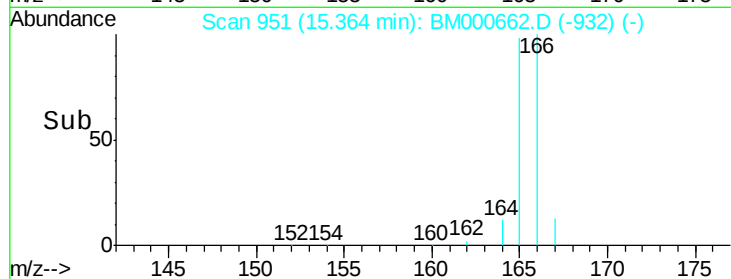
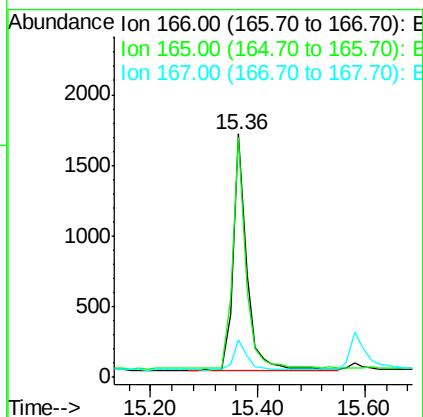
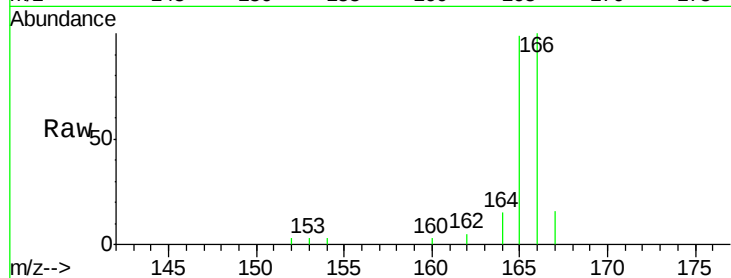




#9
Fluorene
 Concen: 0.13 ng/ul
 RT: 15.36 min Scan# 951
 Delta R.T. -0.00 min
 Lab File: BM000662.D
 Acq: 09 Mar 2015 15:58

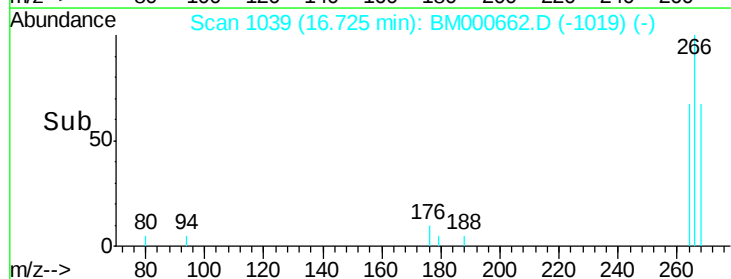
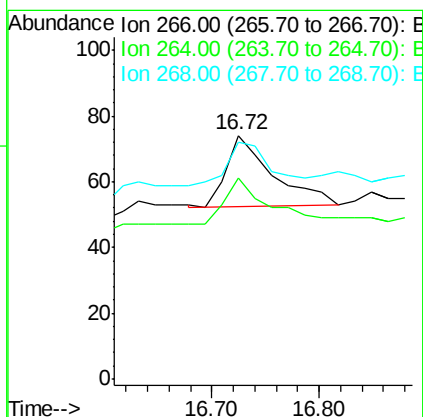
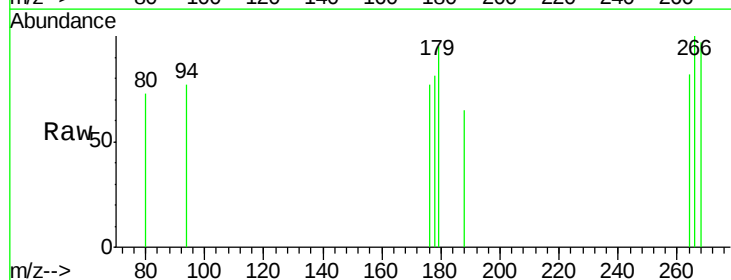
Instrument :
 BNA_M
 ClientSampleId :
 SST00.147

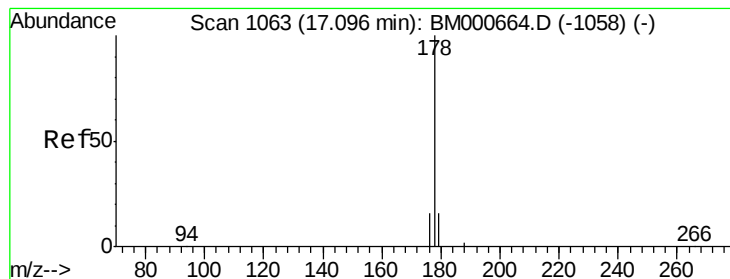
Tgt Ion:166 Resp: 2895
 Ion Ratio Lower Upper
 166 100
 165 98.7 72.3 108.5
 167 15.6 11.8 17.6



#11
Pentachlorophenol
 Concen: 0.02 ng/ul
 RT: 16.72 min Scan# 1039
 Delta R.T. 0.02 min
 Lab File: BM000662.D
 Acq: 09 Mar 2015 15:58

Tgt Ion:266 Resp: 66
 Ion Ratio Lower Upper
 266 100
 264 75.8 50.7 76.1
 268 59.1 44.5 66.7





#12

Phenanthrene

Concen: 0.10 ng/ul

RT: 17.10 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BM000662.D

Acq: 09 Mar 2015 15:58

Instrument :

BNA_M

ClientSampleId :

SSTD0.147

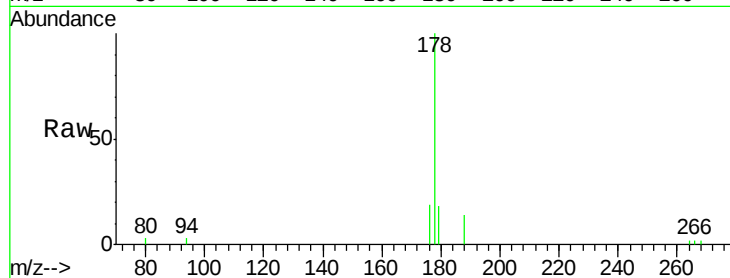
Tgt Ion:178 Resp: 4443

Ion Ratio Lower Upper

178 100

176 19.5 13.5 20.3

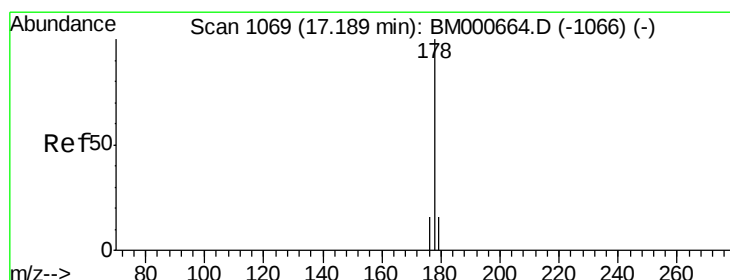
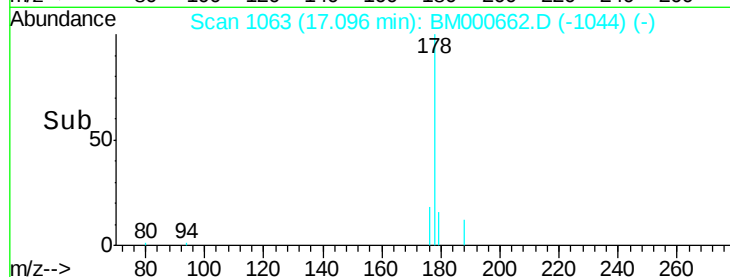
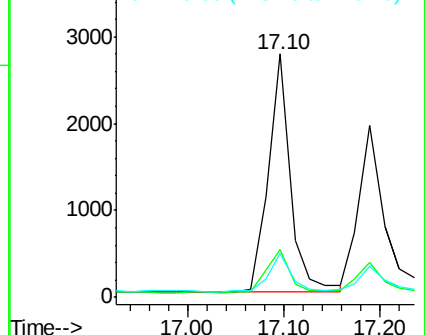
179 18.2 13.8 20.6



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: 0.09 ng/ul

RT: 17.19 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BM000662.D

Acq: 09 Mar 2015 15:58

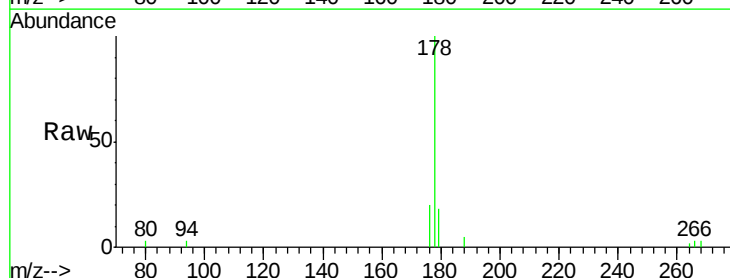
Tgt Ion:178 Resp: 3790

Ion Ratio Lower Upper

178 100

176 20.2 13.8 20.6

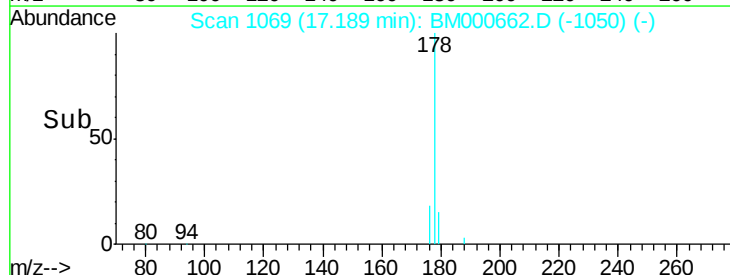
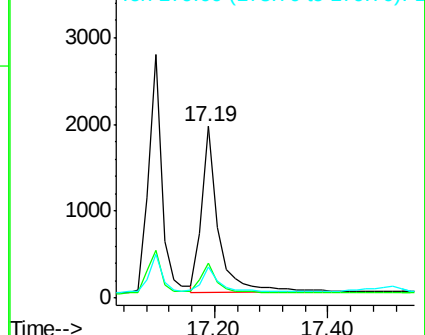
179 18.2 13.8 20.8

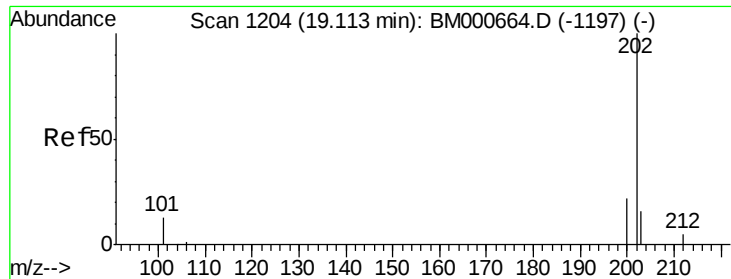


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

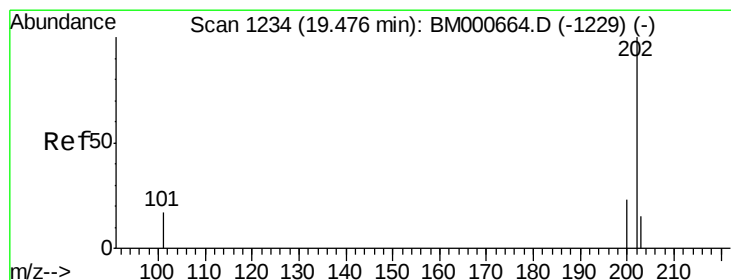
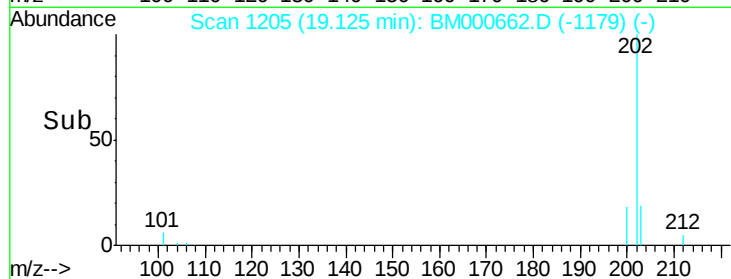
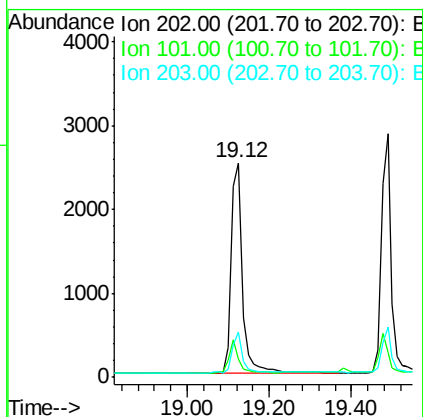
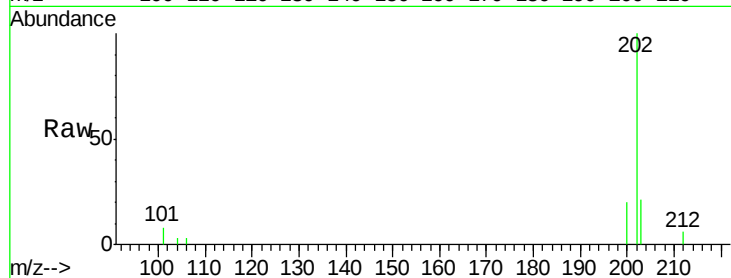




#15
Fluoranthene
Concen: 0.10 ng/ul
RT: 19.12 min Scan# 1205
Delta R.T. 0.01 min
Lab File: BM000662.D
Acq: 09 Mar 2015 15:58

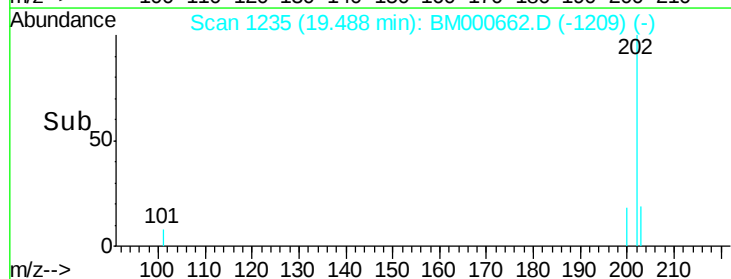
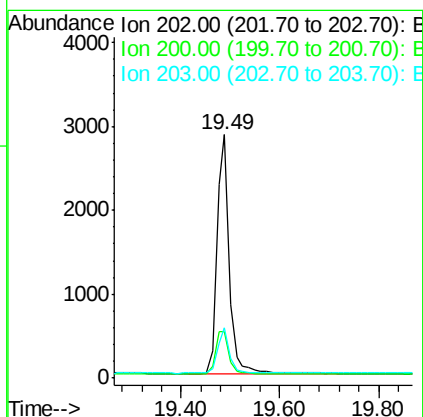
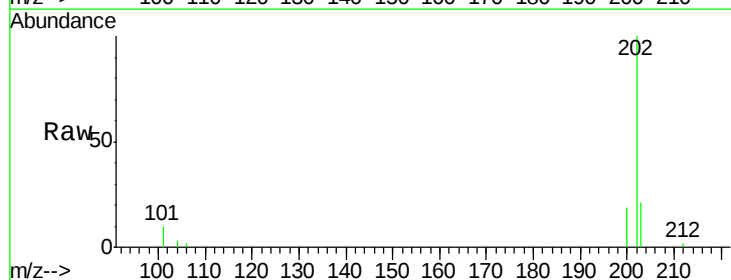
Instrument :
BNA_M
ClientSampleId :
SSTD0.147

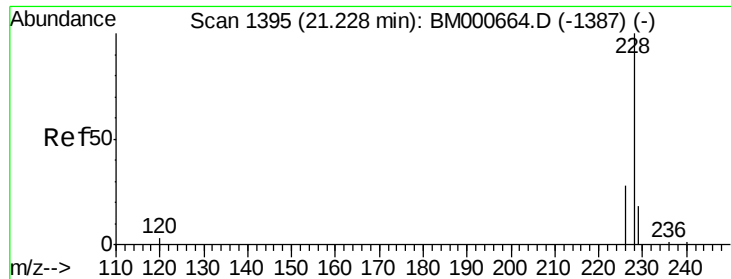
Tgt Ion:202 Resp: 4715
Ion Ratio Lower Upper
202 100
101 8.4 0.0 33.7
203 20.8 0.0 36.0



#17
Pyrene
Concen: 0.09 ng/ul
RT: 19.49 min Scan# 1235
Delta R.T. 0.01 min
Lab File: BM000662.D
Acq: 09 Mar 2015 15:58

Tgt Ion:202 Resp: 4886
Ion Ratio Lower Upper
202 100
200 19.3 18.3 27.5
203 20.5 12.7 19.1#





#18

Benzo(a)anthracene

Concen: 0.09 ng/u1

RT: 21.23 min Scan# 1395

Delta R.T. -0.00 min

Lab File: BM000662.D

Acq: 09 Mar 2015 15:58

Instrument :

BNA_M

ClientSampleId :

SSTD0.147

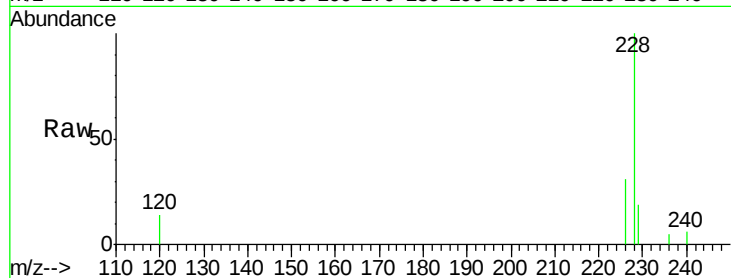
Tgt Ion:228 Resp: 3567

Ion Ratio Lower Upper

228 100

226 30.5 22.8 34.2

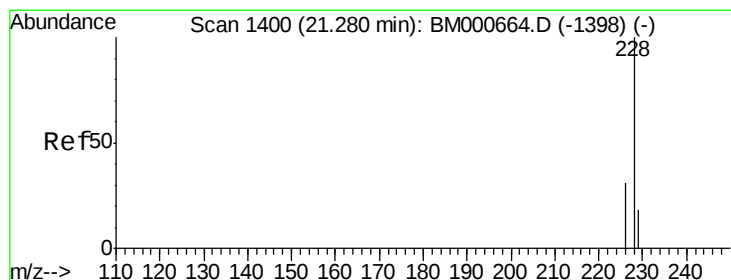
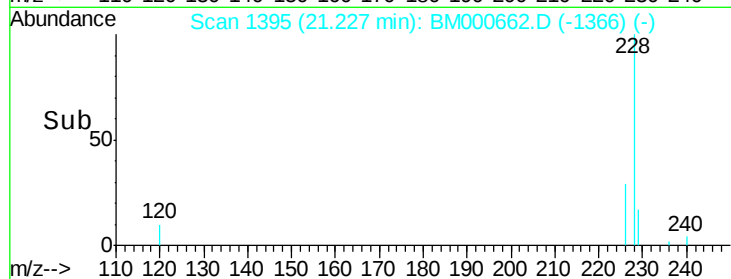
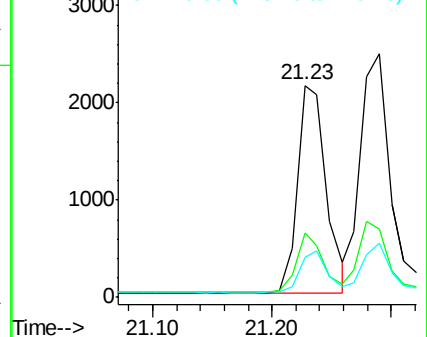
229 18.9 14.8 22.2



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: 0.08 ng/u1

RT: 21.23 min Scan# 1395

Delta R.T. -0.05 min

Lab File: BM000662.D

Acq: 09 Mar 2015 15:58

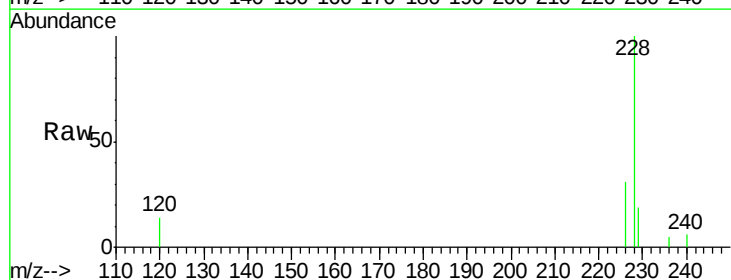
Tgt Ion:228 Resp: 3567

Ion Ratio Lower Upper

228 100

226 30.5 25.1 37.7

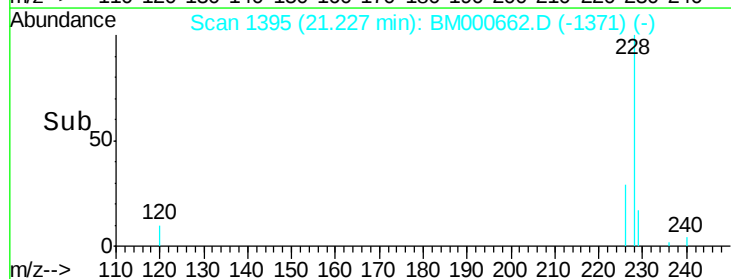
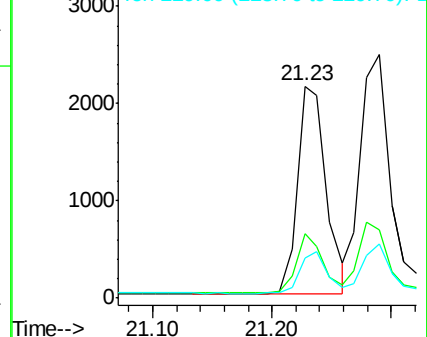
229 18.9 14.7 22.1

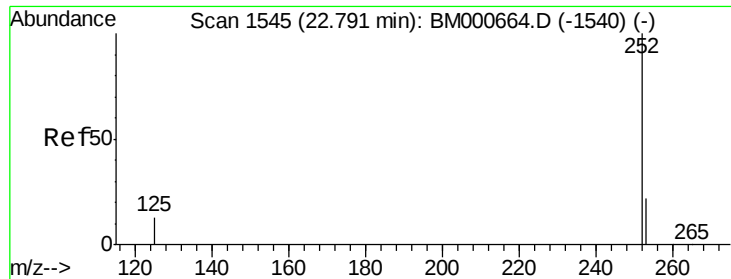


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.09 ng/u1

RT: 22.79 min Scan# 1545

Delta R.T. -0.00 min

Lab File: BM000662.D

Acq: 09 Mar 2015 15:58

Instrument :

BNA_M

ClientSampleId :

SSTD0.147

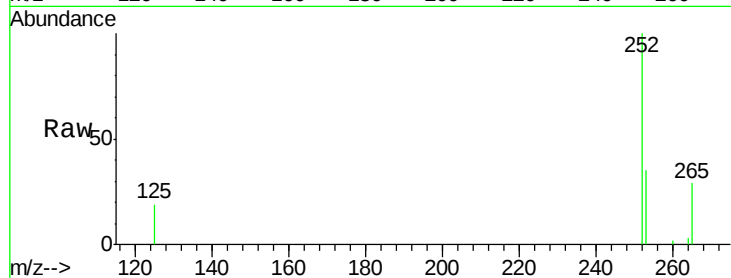
Tgt Ion:252 Resp: 3757

Ion Ratio Lower Upper

252 100

253 35.3 0.0 51.4

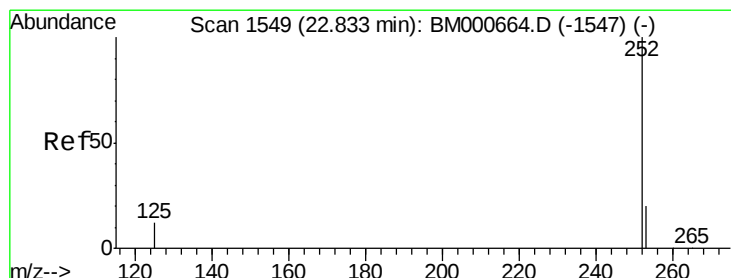
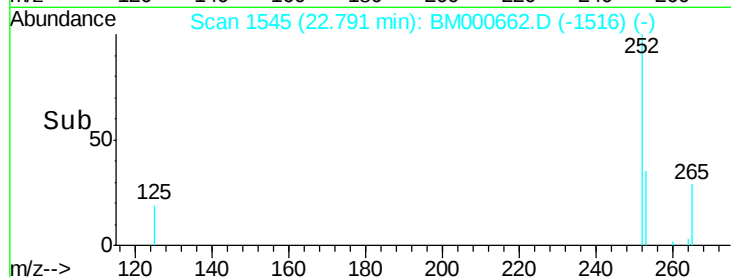
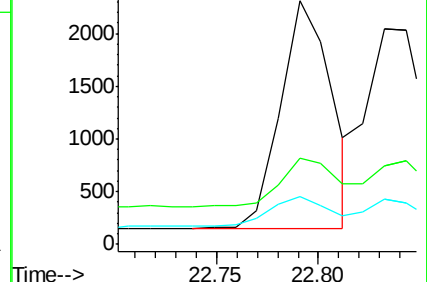
125 19.4 0.0 28.6



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



#22

Benzo(k)fluoranthene

Concen: 0.11 ng/u1

RT: 22.83 min Scan# 1549

Delta R.T. -0.00 min

Lab File: BM000662.D

Acq: 09 Mar 2015 15:58

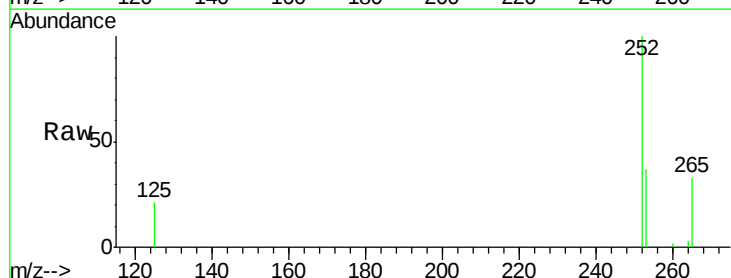
Tgt Ion:252 Resp: 4524

Ion Ratio Lower Upper

252 100

253 36.7 20.3 30.5#

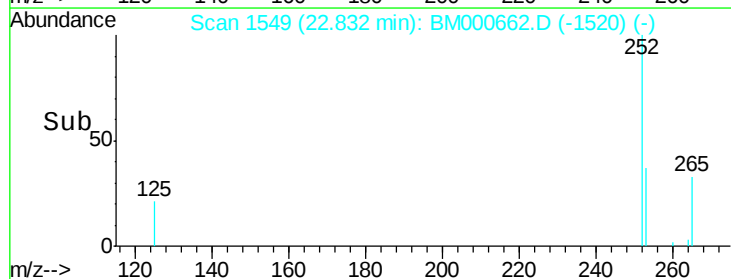
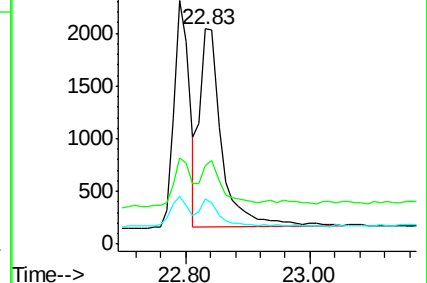
125 21.0 11.6 17.4#

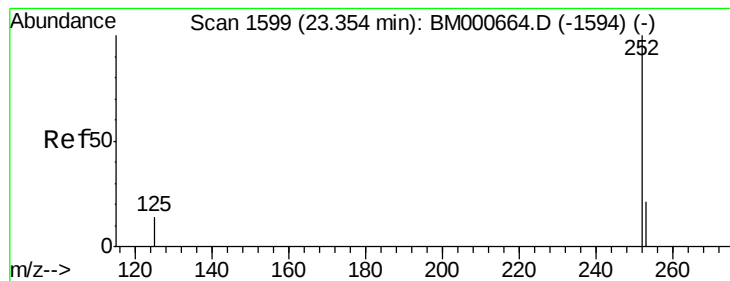


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.10 ng/ul

RT: 23.35 min Scan# 1599

Delta R.T. -0.00 min

Lab File: BM000662.D

Acq: 09 Mar 2015 15:58

Instrument :

BNA_M

ClientSampleId :

SSTD0.147

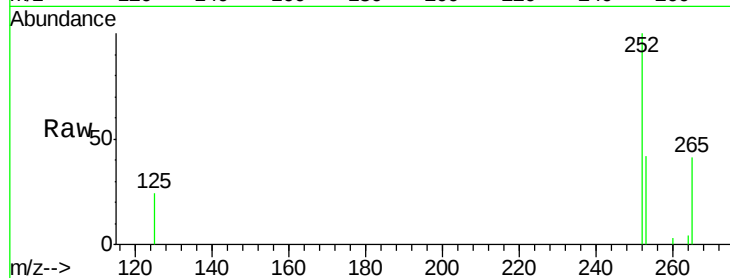
Tgt Ion:252 Resp: 3967

Ion Ratio Lower Upper

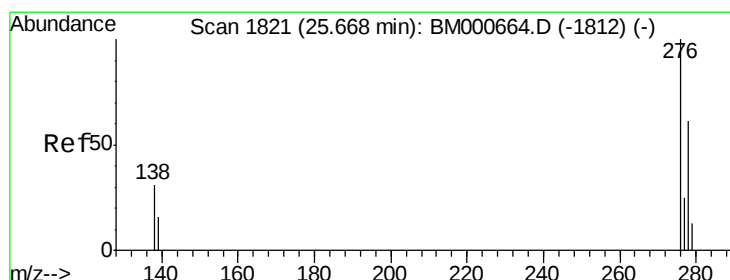
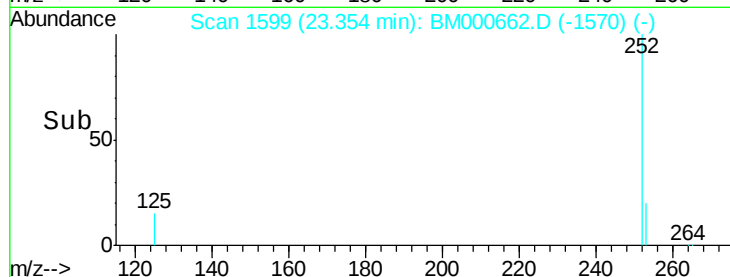
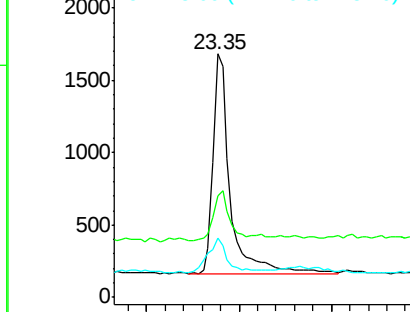
252 100

253 41.8 21.3 31.9#

125 24.3 13.2 19.8#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.12 ng/ul

RT: 25.67 min Scan# 1821

Delta R.T. -0.00 min

Lab File: BM000662.D

Acq: 09 Mar 2015 15:58

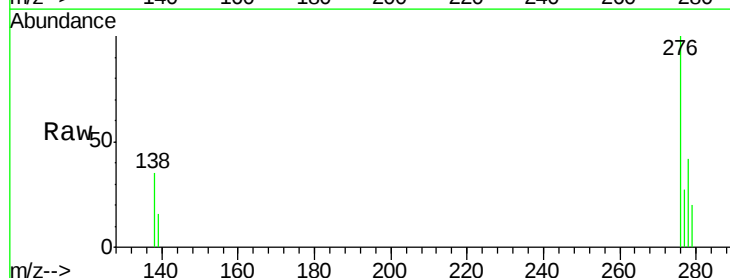
Tgt Ion:276 Resp: 4392

Ion Ratio Lower Upper

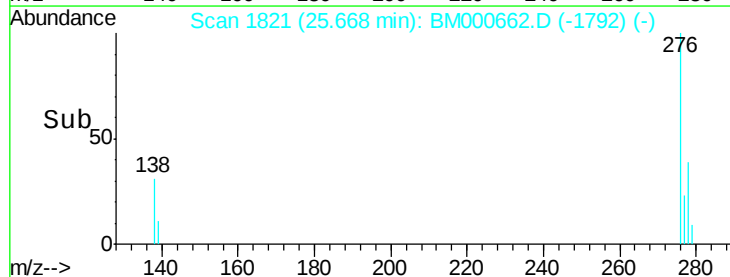
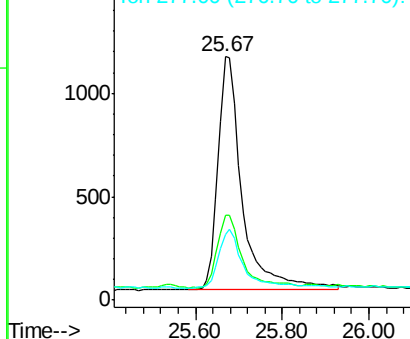
276 100

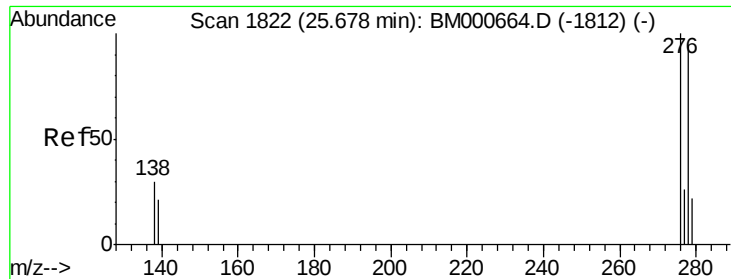
138 31.4 25.8 38.8

277 25.0 20.2 30.4



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

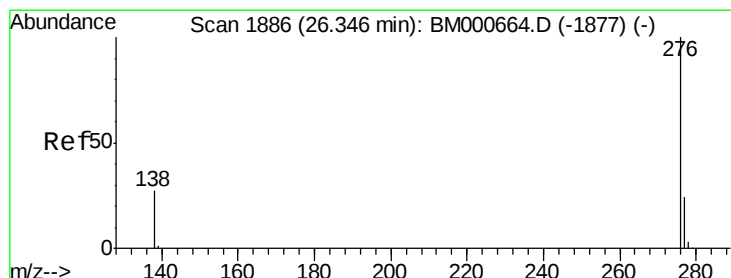
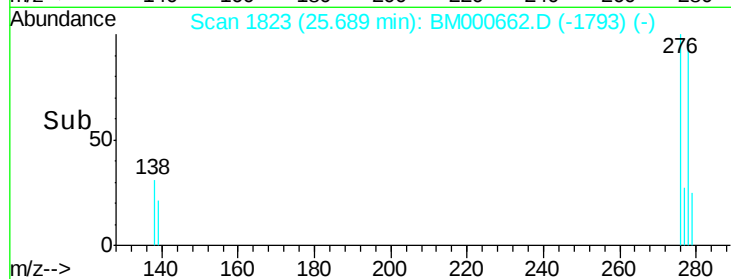
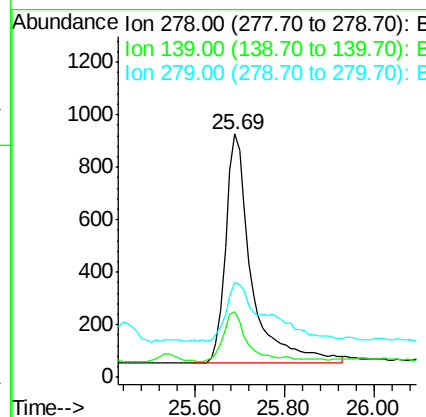
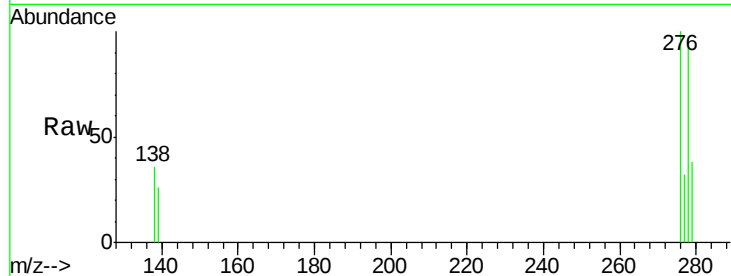




#25
Dibenzo(a,h)anthracene
Concen: 0.12 ng/ul
RT: 25.69 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BM000662.D
Acq: 09 Mar 2015 15:58

Instrument :
BNA_M
ClientSampleId :
SSTD0.147

Tgt Ion: 278 Resp: 3515
Ion Ratio Lower Upper
278 100
139 26.8 18.8 28.2
279 39.3 21.4 32.0#



#26
Benzo(g,h,i)perylene
Concen: 0.12 ng/ul
RT: 26.35 min Scan# 1886
Delta R.T. -0.00 min
Lab File: BM000662.D
Acq: 09 Mar 2015 15:58

Tgt Ion: 276 Resp: 4016
Ion Ratio Lower Upper
276 100
277 27.6 19.9 29.9
138 33.0 22.2 33.4

