

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
 Data File : BM002996.D
 Acq On : 23 Oct 2015 02:41
 Operator : UM/IZ
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.451

Quant Time: Oct 23 03:54:34 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM102215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 23 01:55:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	4695	0.40	ng/ul	0.00
4) Naphthalene-d8	11.49	136	21144	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.23	164	11674	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.95	188	26968	0.40	ng/ul	0.02
18) Chrysene-d12	22.04	240	25934	0.40	ng/ul	0.01
22) Perylene-d12	24.61	264	21305	0.40	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.71	96	4775	0.95	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.04	152	13684	0.39	ng/ul	0.00
16) Fluoranthene-d10	19.93	212	30377	0.42	ng/ul	0.00

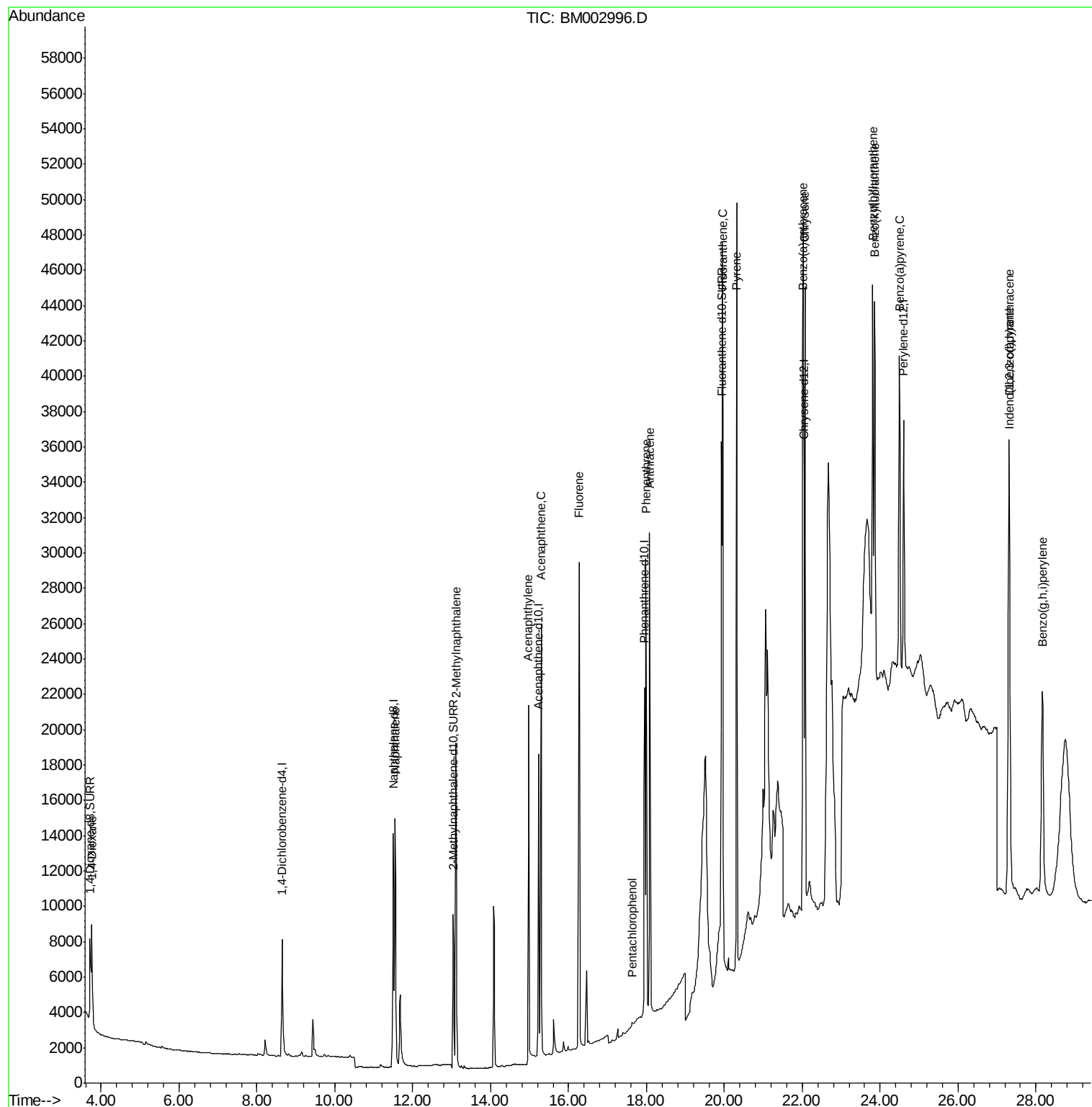
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) 1,4-Dioxane	3.76	88	5103	0.90	ng/ul#	91
5) Naphthalene	11.54	128	22169	0.39	ng/ul	99
7) 2-Methylnaphthalene	13.11	142	16282	0.41	ng/ul	98
9) Acenaphthylene	14.97	152	29703	0.44	ng/ul	98
10) Acenaphthene	15.30	153	17403	0.41	ng/ul	85
11) Fluorene	16.27	166	20177	0.40	ng/ul	86
13) Pentachlorophenol	17.63	266	669	0.41	ng/ul	91
14) Phenanthrene	17.98	178	32160	0.38	ng/ul	97
15) Anthracene	18.08	178	33048	0.42	ng/ul	99
17) Fluoranthene	19.95	202	41087	0.41	ng/ul	78
19) Pyrene	20.31	202	40486	0.43	ng/ul#	93
20) Benzo(a)anthracene	22.02	228	35137	0.41	ng/ul#	90
21) Chrysene	22.07	228	33981	0.39	ng/ul#	94
23) Benzo(b)fluoranthene	23.80	252	31735	0.42	ng/ul#	24
24) Benzo(k)fluoranthene	23.86	252	28506	0.39	ng/ul#	31
25) Benzo(a)pyrene	24.49	252	28909	0.40	ng/ul#	13
26) Indeno(1,2,3-cd)pyrene	27.32	276	31705	0.41	ng/ul	93
27) Dibenzo(a,h)anthracene	27.31	278	26075	0.41	ng/ul#	47
28) Benzo(g,h,i)perylene	28.16	276	26249	0.40	ng/ul#	57

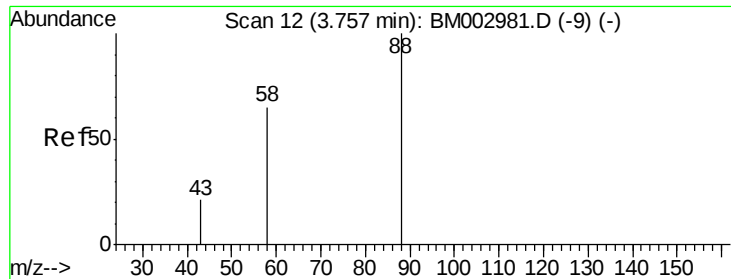
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002996.D
Acq On : 23 Oct 2015 02:41
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 23 01:55:29 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 0.90 ng/ul

RT: 3.76 min Scan# 12

Delta R.T. -0.00 min

Lab File: BM002996.D

Acq: 23 Oct 2015 02:41

Instrument :

BNA_M

ClientSampleId :

SSTD0.451

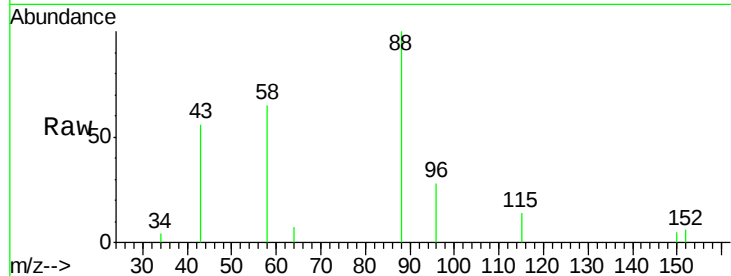
Tot Ion: 88 Resp: 5103

Ion Ratio Lower Upper

88 100

58 70.2 55.4 83.2

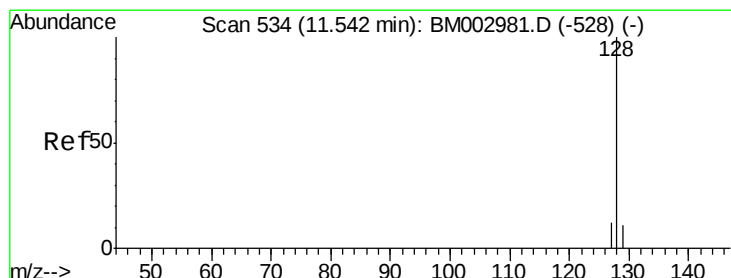
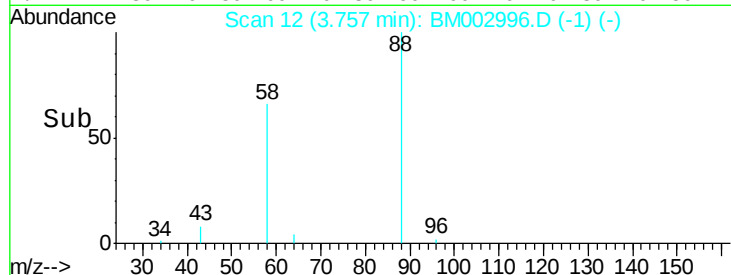
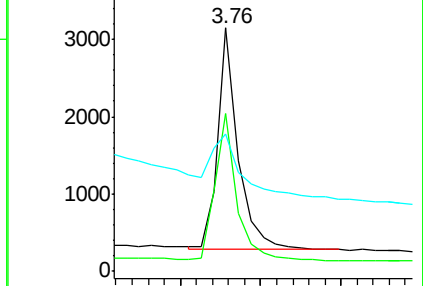
43 44.4 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BM002996.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BM002996.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BM002996.D (-1) (-)



#5

Naphthalene

Concen: 0.39 ng/ul

RT: 11.54 min Scan# 534

Delta R.T. -0.00 min

Lab File: BM002996.D

Acq: 23 Oct 2015 02:41

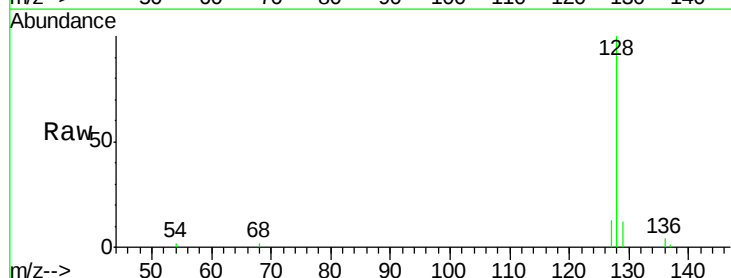
Tgt Ion: 128 Resp: 22169

Ion Ratio Lower Upper

128 100

129 11.8 9.8 14.8

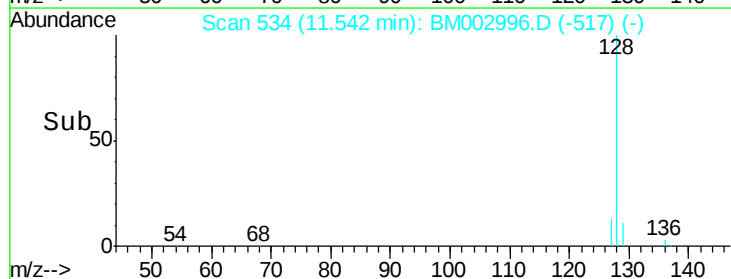
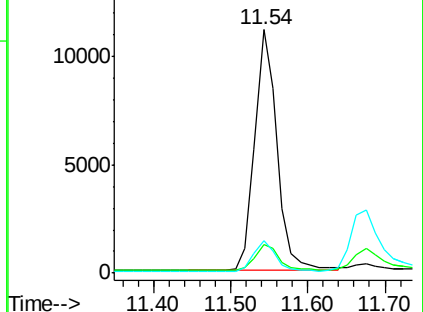
127 13.4 10.7 16.1

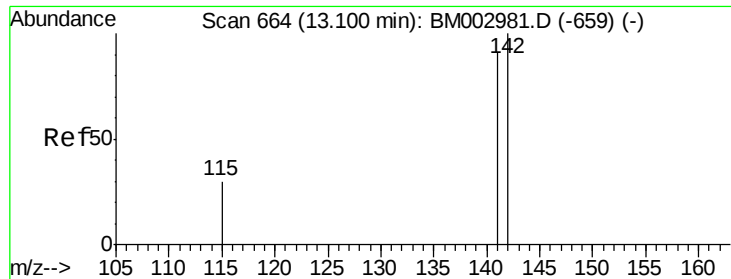


Abundance Ion 128.00 (127.70 to 128.70): BM002996.D (-517) (-)

Ion 129.00 (128.70 to 129.70): BM002996.D (-517) (-)

Ion 127.00 (126.70 to 127.70): BM002996.D (-517) (-)





#7

2-Methylnaphthalene

Concen: 0.41 ng/ul

RT: 13.11 min Scan# 665

Delta R.T. 0.01 min

Lab File: BM002996.D

Acq: 23 Oct 2015 02:41

Instrument :

BNA_M

ClientSampleId :

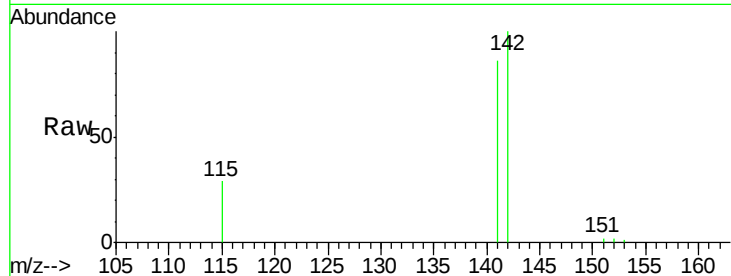
SSTD0.451

Tot Ion:142 Resp: 16282

Ion Ratio Lower Upper

142 100

141 90.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

13.11

10000

8000

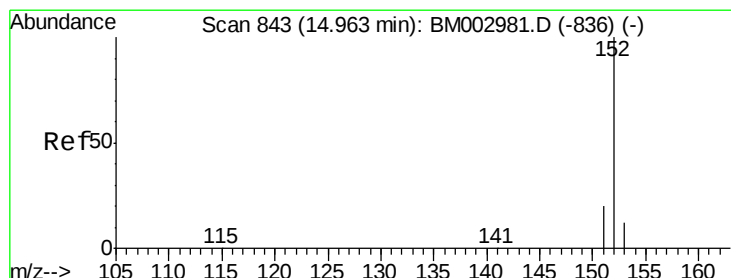
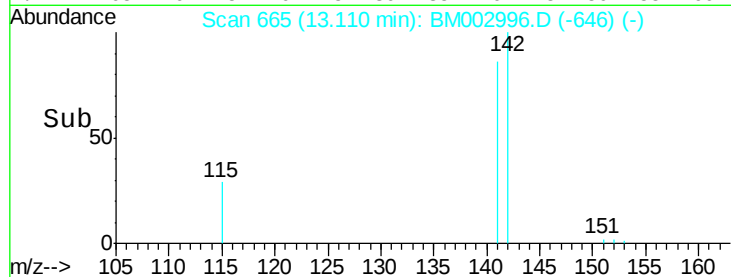
6000

4000

2000

0

Time--> 13.00 13.10 13.20 13.30



#9

Acenaphthylene

Concen: 0.44 ng/ul

RT: 14.97 min Scan# 844

Delta R.T. 0.01 min

Lab File: BM002996.D

Acq: 23 Oct 2015 02:41

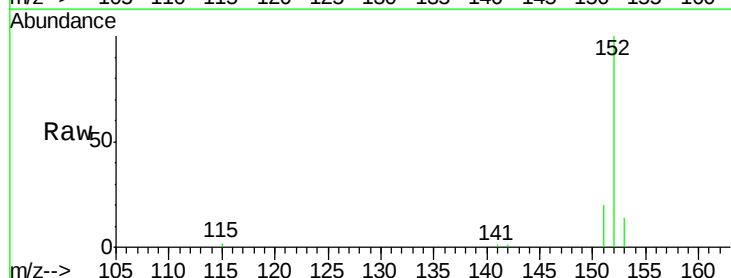
Tgt Ion:152 Resp: 29703

Ion Ratio Lower Upper

152 100

151 19.9 16.8 25.2

153 13.8 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

14.97

20000

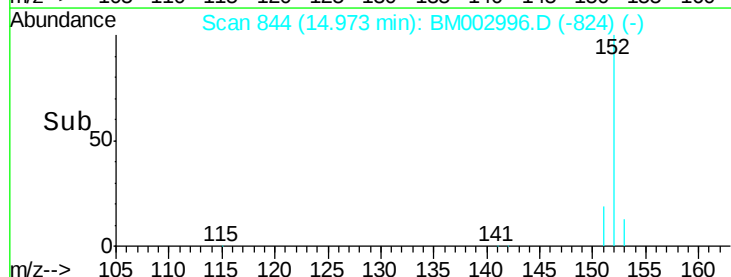
15000

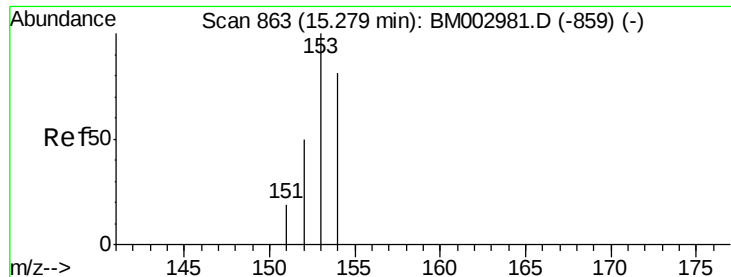
10000

5000

0

Time--> 14.80 14.90 15.00 15.10

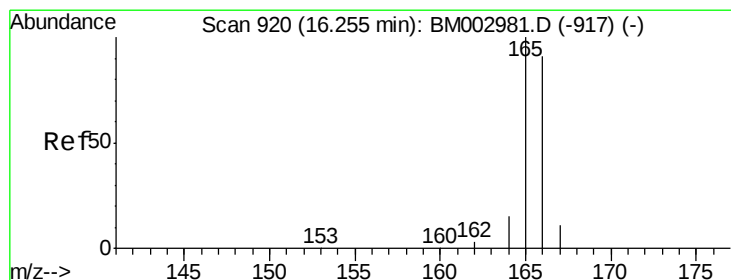
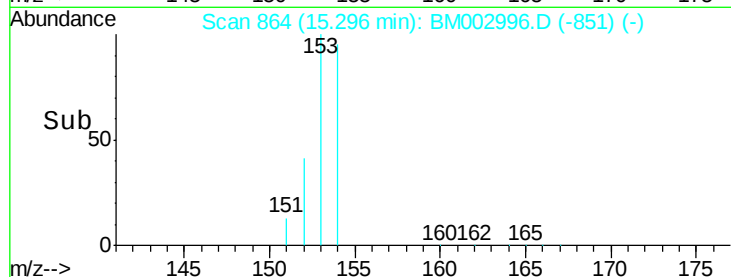
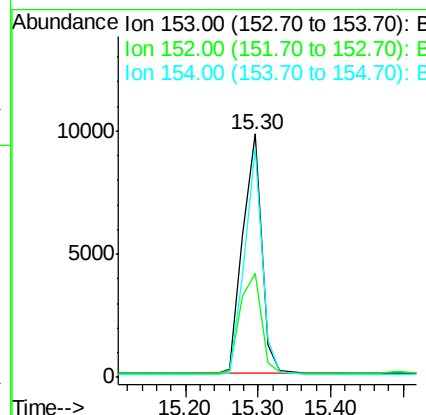
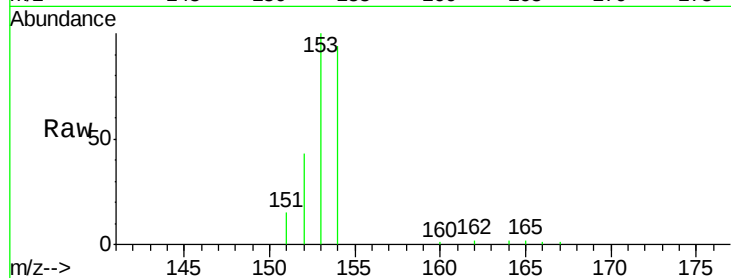




#10
Acenaphthene
Concen: 0.41 ng/ul
RT: 15.30 min Scan# 864
Delta R.T. 0.02 min
Lab File: BM002996.D
Acq: 23 Oct 2015 02:41

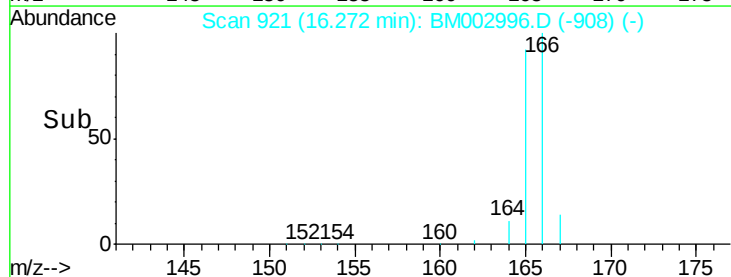
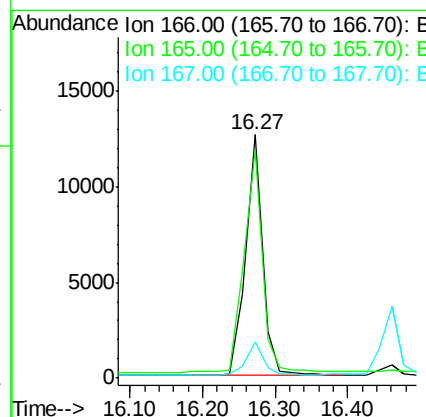
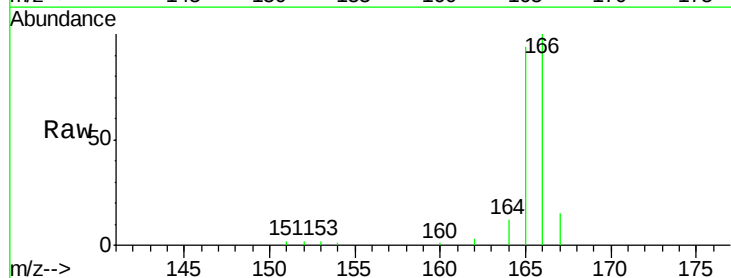
Instrument :
BNA_M
ClientSampleId :
SSTD0.451

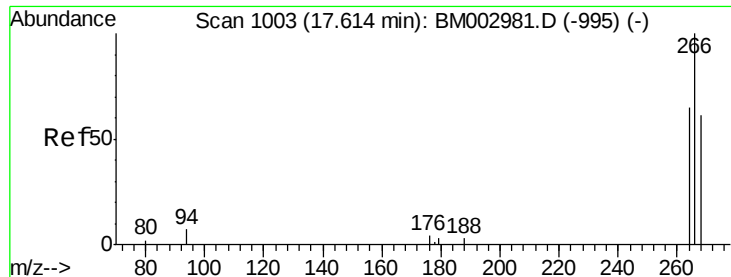
Tot Ion:153 Resp: 17403
Ion Ratio Lower Upper
153 100
152 42.6 42.3 63.5
154 94.5 64.7 97.1



#11
Fluorene
Concen: 0.40 ng/ul
RT: 16.27 min Scan# 921
Delta R.T. 0.02 min
Lab File: BM002996.D
Acq: 23 Oct 2015 02:41

Tgt Ion:166 Resp: 20177
Ion Ratio Lower Upper
166 100
165 93.5 87.6 131.4
167 14.8 11.1 16.7

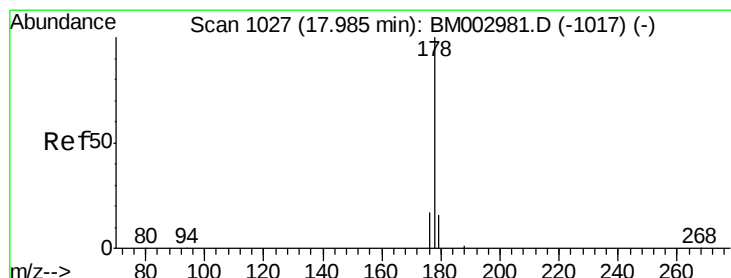
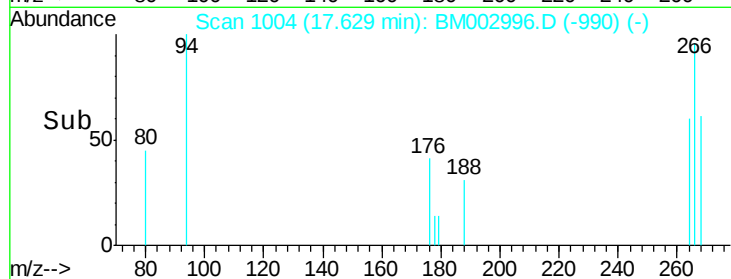
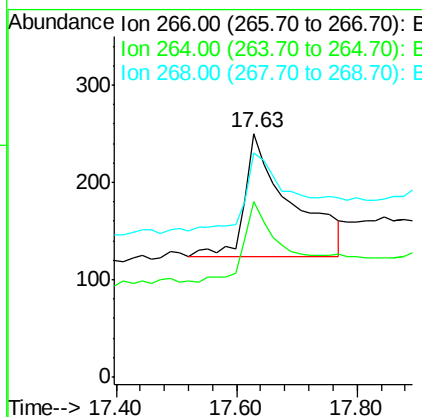
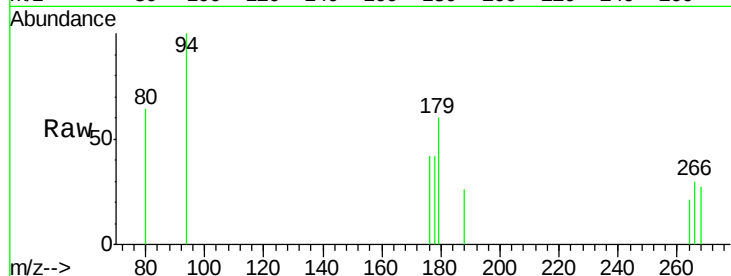




#13
 Pentachlorophenol
 Concen: 0.41 ng/ul
 RT: 17.63 min Scan# 1004
 Delta R.T. 0.02 min
 Lab File: BM002996.D
 Acq: 23 Oct 2015 02:41

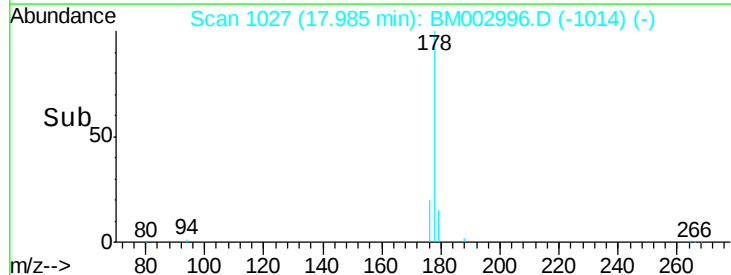
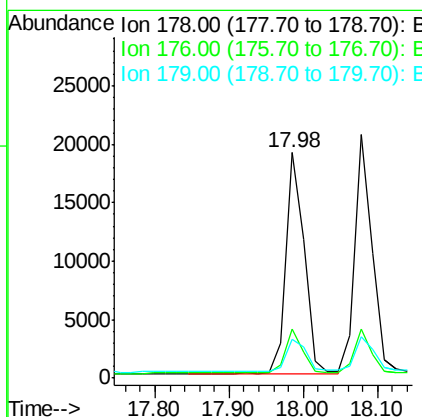
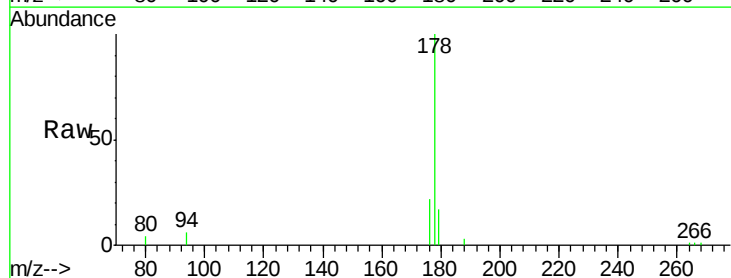
Instrument :
 BNA_M
 ClientSampleId :
 SST0.451

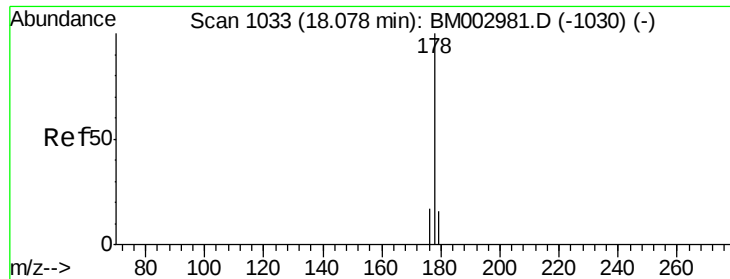
Tot Ion:266 Resp: 669
 Ion Ratio Lower Upper
 266 100
 264 62.2 53.5 80.3
 268 77.9 54.2 81.2



#14
 Phenanthrene
 Concen: 0.38 ng/ul
 RT: 17.98 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: BM002996.D
 Acq: 23 Oct 2015 02:41

Tgt Ion:178 Resp: 32160
 Ion Ratio Lower Upper
 178 100
 176 21.9 16.2 24.4
 179 17.1 12.8 19.2





#15

Anthracene

Concen: 0.42 ng/ul

RT: 18.08 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BM002996.D

Acq: 23 Oct 2015 02:41

Instrument :

BNA_M

ClientSampleId :

SSTD0.451

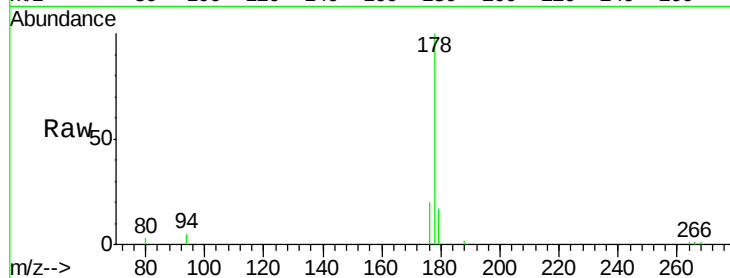
Tot Ion:178 Resp: 33048

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

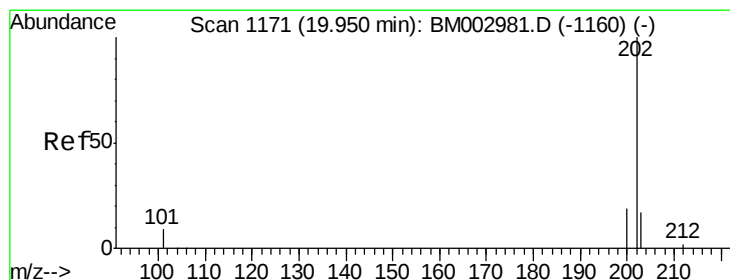
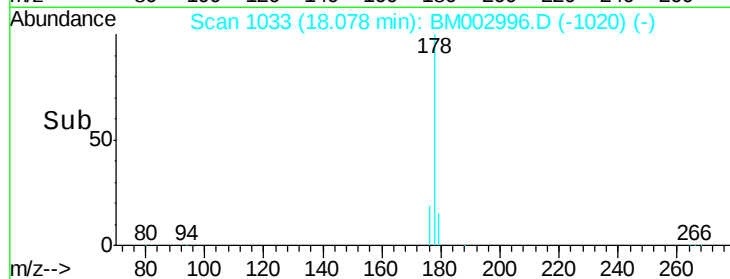
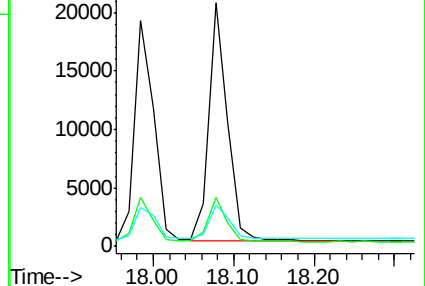
179 17.1 13.3 19.9



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



#17

Fluoranthene

Concen: 0.41 ng/ul

RT: 19.95 min Scan# 1171

Delta R.T. -0.00 min

Lab File: BM002996.D

Acq: 23 Oct 2015 02:41

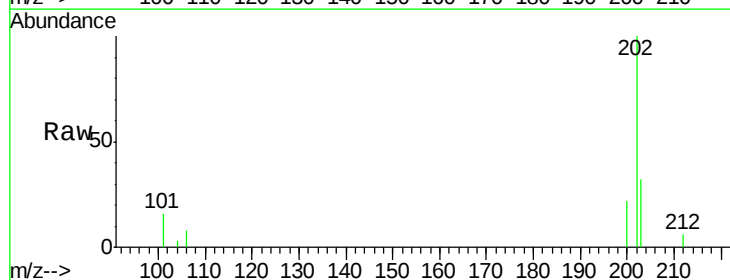
Tgt Ion:202 Resp: 41087

Ion Ratio Lower Upper

202 100

101 16.2 0.0 33.1

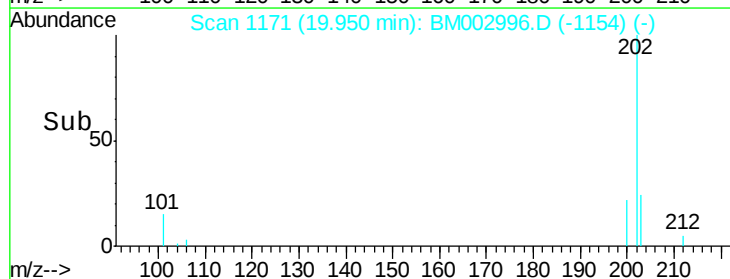
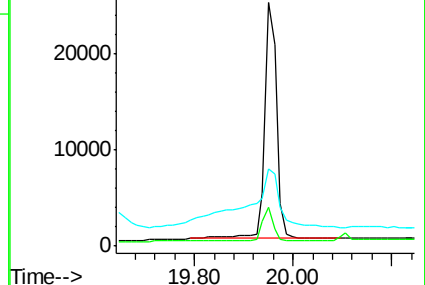
203 31.8 0.0 37.2

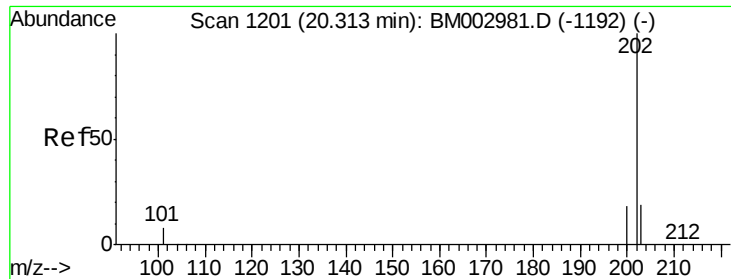


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

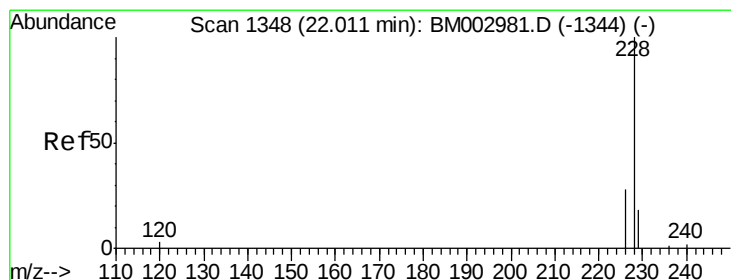
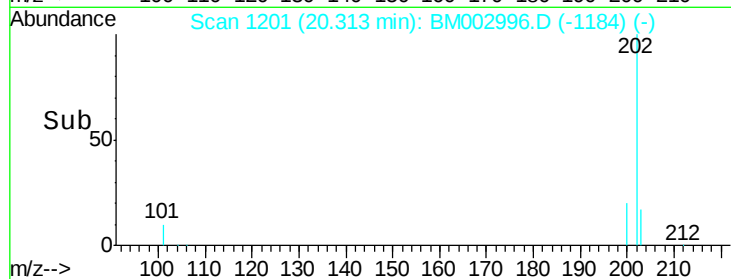
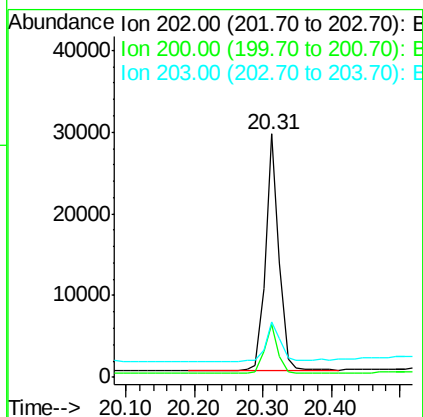
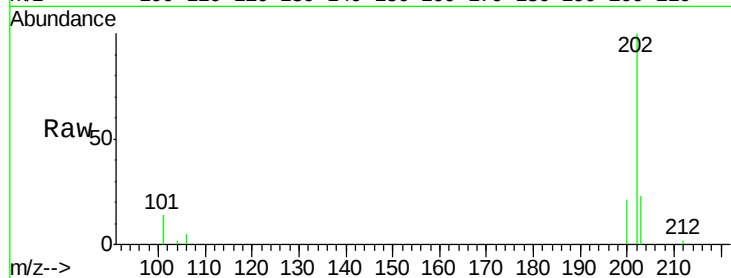




#19
Pvrene
Concen: 0.43 ng/ul
RT: 20.31 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BM002996.D
Acq: 23 Oct 2015 02:41

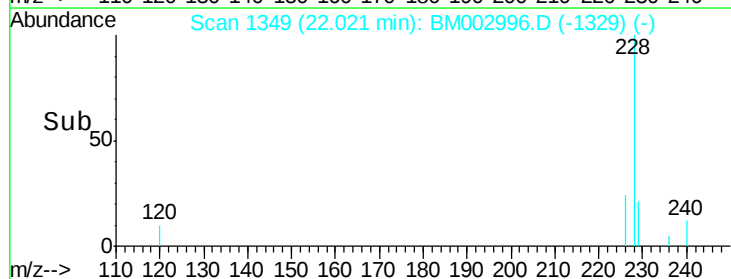
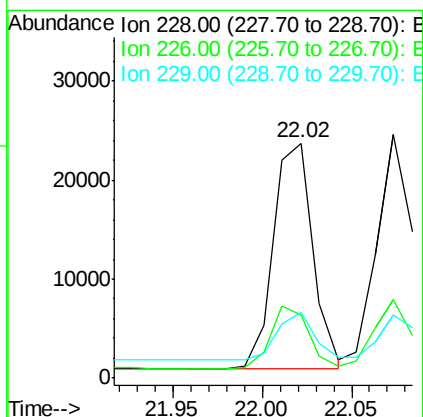
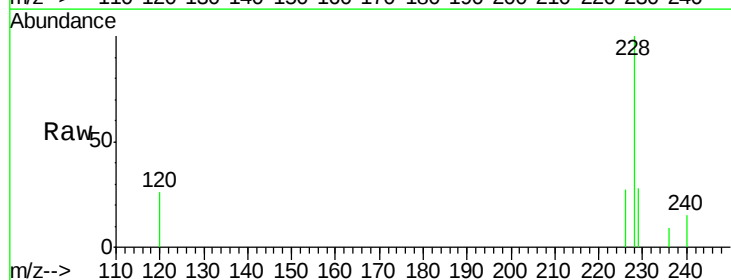
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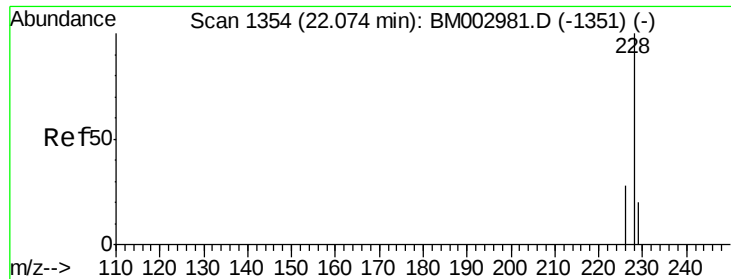
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	18.0	27.0
203	22.9	13.8	20.6



#20
Benzo(a)anthracene
Concen: 0.41 ng/ul
RT: 22.02 min Scan# 1349
Delta R.T. 0.01 min
Lab File: BM002996.D
Acq: 23 Oct 2015 02:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.9	23.0	34.4
229	27.9	15.2	22.8





#21

Chrysene

Concen: 0.39 ng/ul

RT: 22.07 min Scan# 1354

Delta R.T. -0.00 min

Lab File: BM002996.D

Acq: 23 Oct 2015 02:41

Instrument :

BNA_M

ClientSampleId :

SSTD0.451

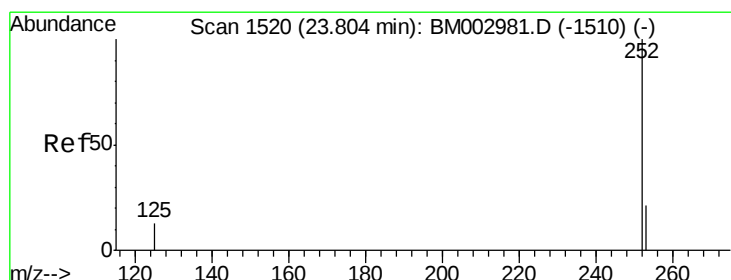
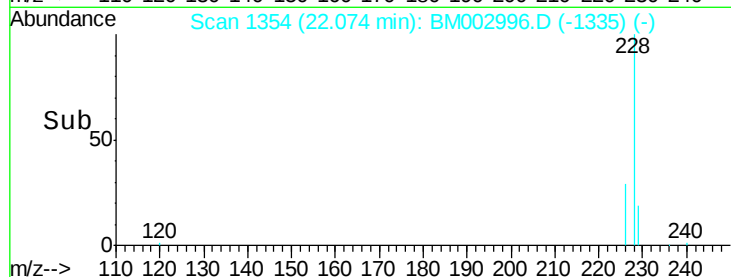
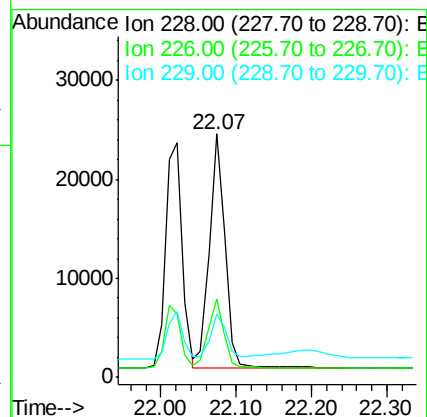
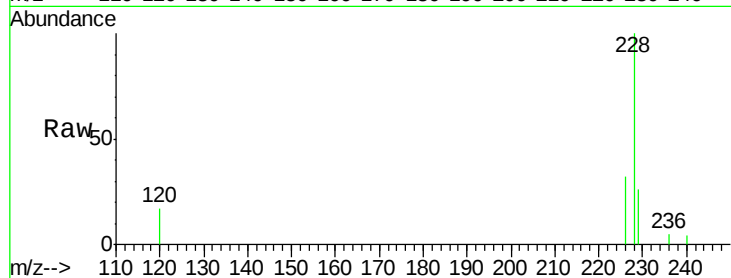
Tot Ion:228 Resp: 33981

Ion Ratio Lower Upper

228 100

226 32.1 25.7 38.5

229 25.7 15.2 22.8#



#23

Benzo(b)fluoranthene

Concen: 0.42 ng/ul

RT: 23.80 min Scan# 1520

Delta R.T. -0.00 min

Lab File: BM002996.D

Acq: 23 Oct 2015 02:41

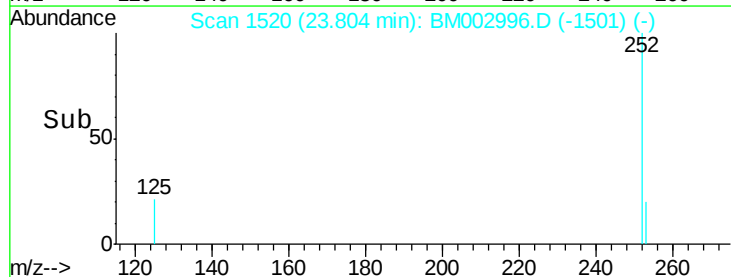
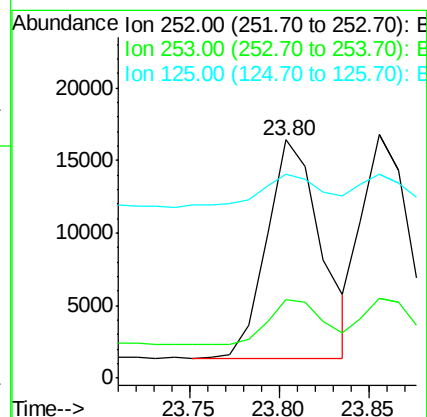
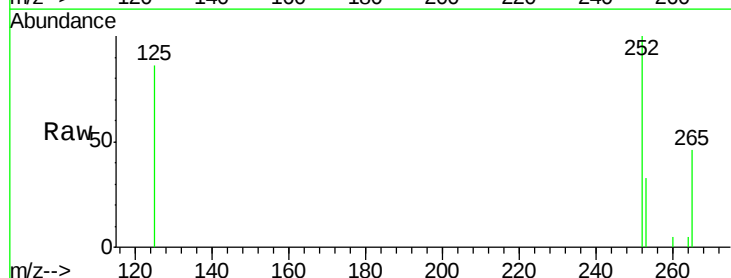
Tgt Ion:252 Resp: 31735

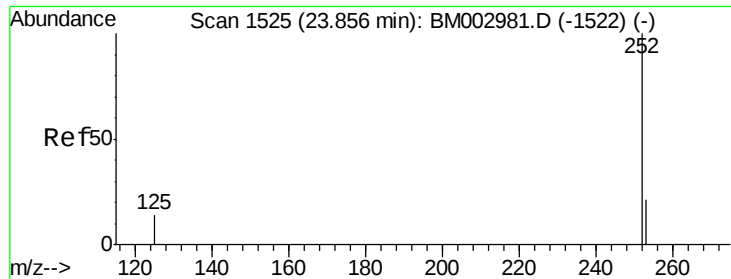
Ion Ratio Lower Upper

252 100

253 32.7 0.0 48.0

125 85.7 0.0 36.6#





#24

Benzo(k)fluoranthene

Concen: 0.39 ng/ul

RT: 23.86 min Scan# 1525

Delta R.T. -0.00 min

Lab File: BM002996.D

Acq: 23 Oct 2015 02:41

Instrument :

BNA_M

ClientSampleId :

SSTD0.451

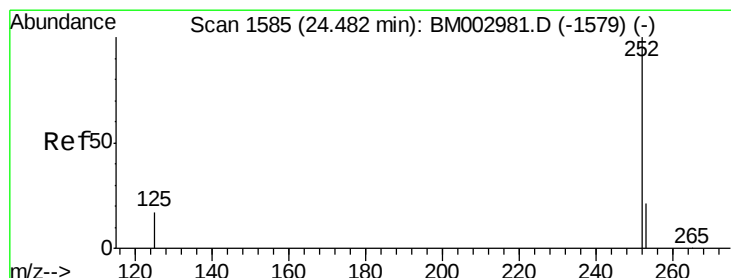
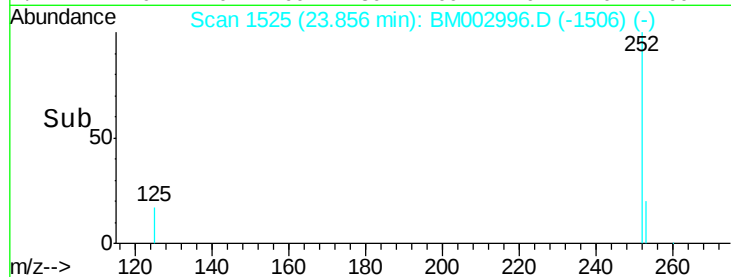
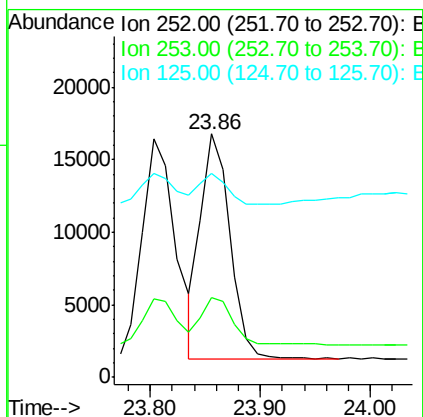
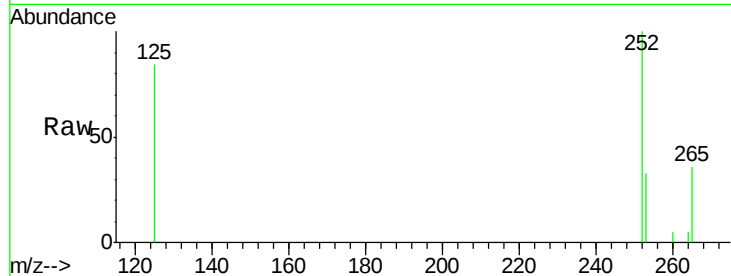
Tot Ion:252 Resp: 28506

Ion Ratio Lower Upper

252 100

253 33.0 20.8 31.2#

125 83.8 12.2 18.4#



#25

Benzo(a)pyrene

Concen: 0.40 ng/ul

RT: 24.49 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BM002996.D

Acq: 23 Oct 2015 02:41

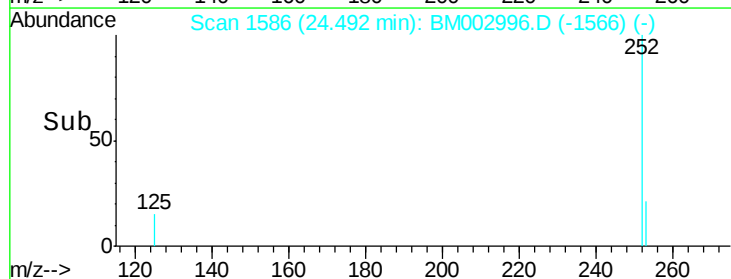
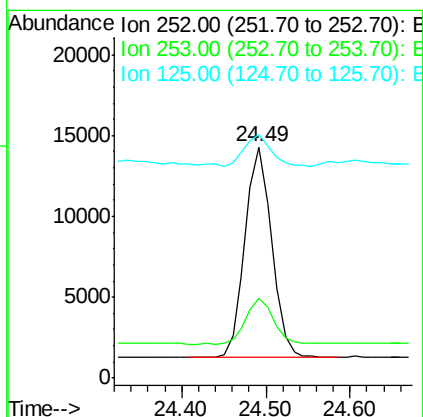
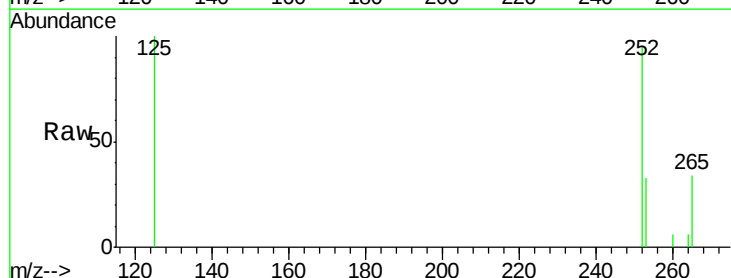
Tgt Ion:252 Resp: 28909

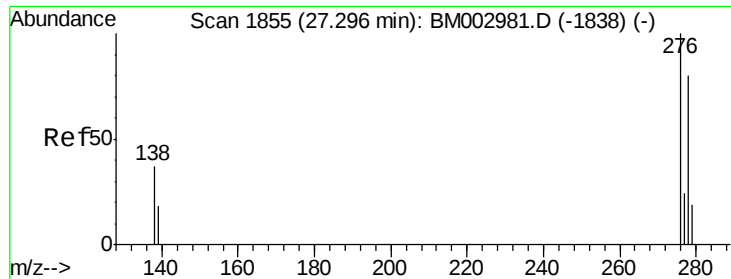
Ion Ratio Lower Upper

252 100

253 34.7 21.8 32.8#

125 105.3 14.5 21.7#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.41 ng/ul

RT: 27.32 min Scan# 1857

Delta R.T. 0.02 min

Lab File: BM002996.D

Acq: 23 Oct 2015 02:41

Instrument :

BNA_M

ClientSampleId :

SSTD0.451

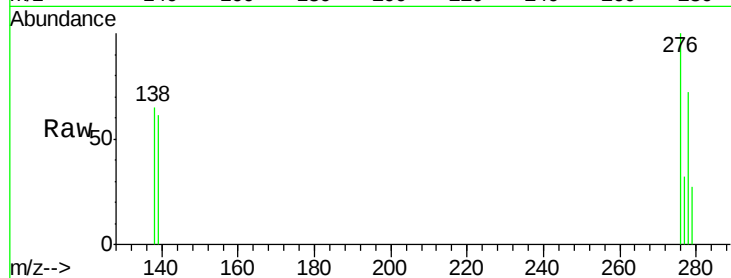
Tot Ion:276 Resp: 31705

Ion Ratio Lower Upper

276 100

138 40.0 27.5 41.3

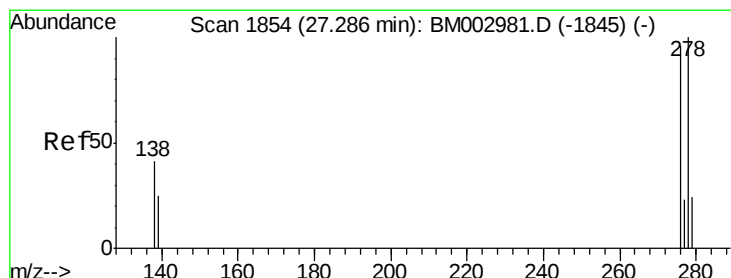
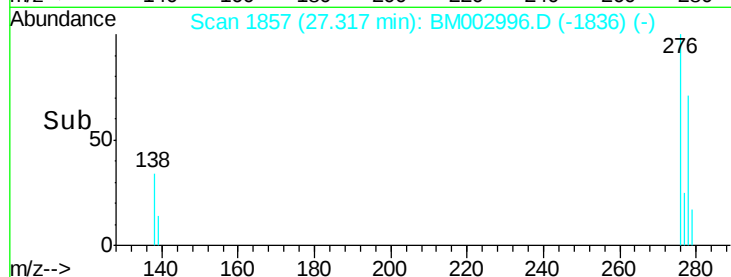
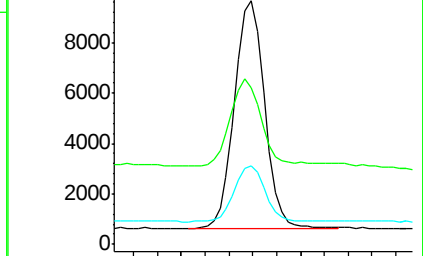
277 25.3 19.3 28.9



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



#27

Dibenzo(a,h)anthracene

Concen: 0.41 ng/ul

RT: 27.31 min Scan# 1856

Delta R.T. 0.02 min

Lab File: BM002996.D

Acq: 23 Oct 2015 02:41

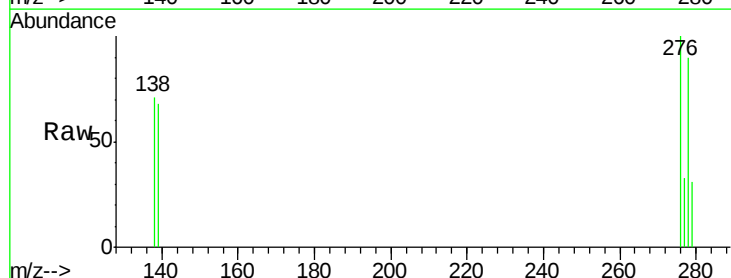
Tgt Ion:278 Resp: 26075

Ion Ratio Lower Upper

278 100

139 75.3 21.7 32.5#

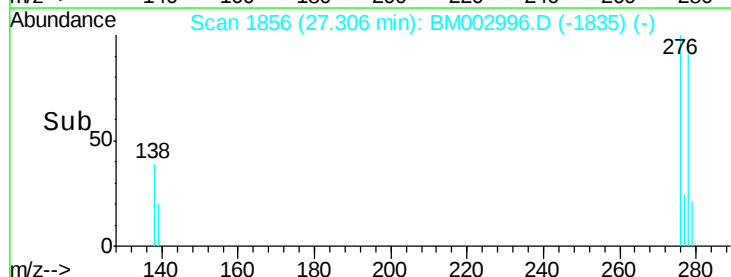
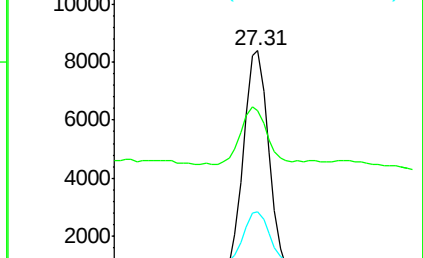
279 34.0 21.9 32.9#

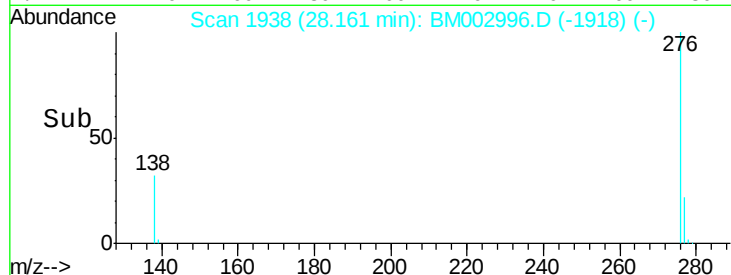
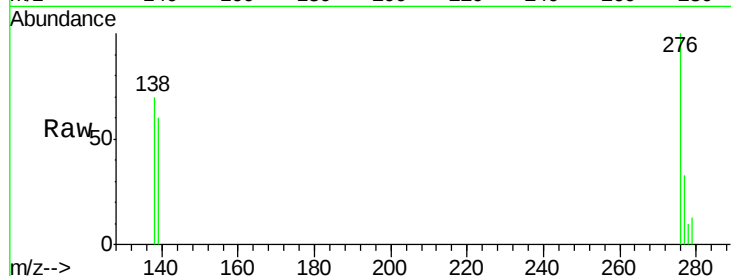
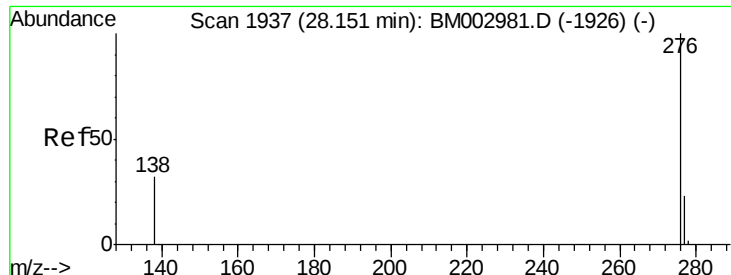


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(a,h,i)perylene

Concen: 0.40 ng/ul

RT: 28.16 min Scan# 1938

Delta R.T. 0.01 min

Lab File: BM002996.D

Acq: 23 Oct 2015 02:41

Instrument :

BNA_M

ClientSampleId :

SSTD0.451

Tot Ion: 276 Resp: 26249

Ion Ratio Lower Upper

276 100

277 33.2 21.3 31.9#

138 70.1 25.5 38.3#

