

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021815\
 Data File : BM000542.D
 Acq On : 18 Feb 2015 17:09
 Operator : TP/IZ
 Sample : SSTD0.114
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.114

Quant Time: Feb 19 00:52:54 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM021815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 19 00:44:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	2966	0.40	ng/ul	0.00
2) Naphthalene-d8	10.47	136	10439	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.34	164	7088	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	15097	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	9771	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	6744	0.40	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.07	152	1432	0.11	ng/ul	0.00
14) Fluoranthene-d10	19.11	212	3328	0.10	ng/ul	0.00

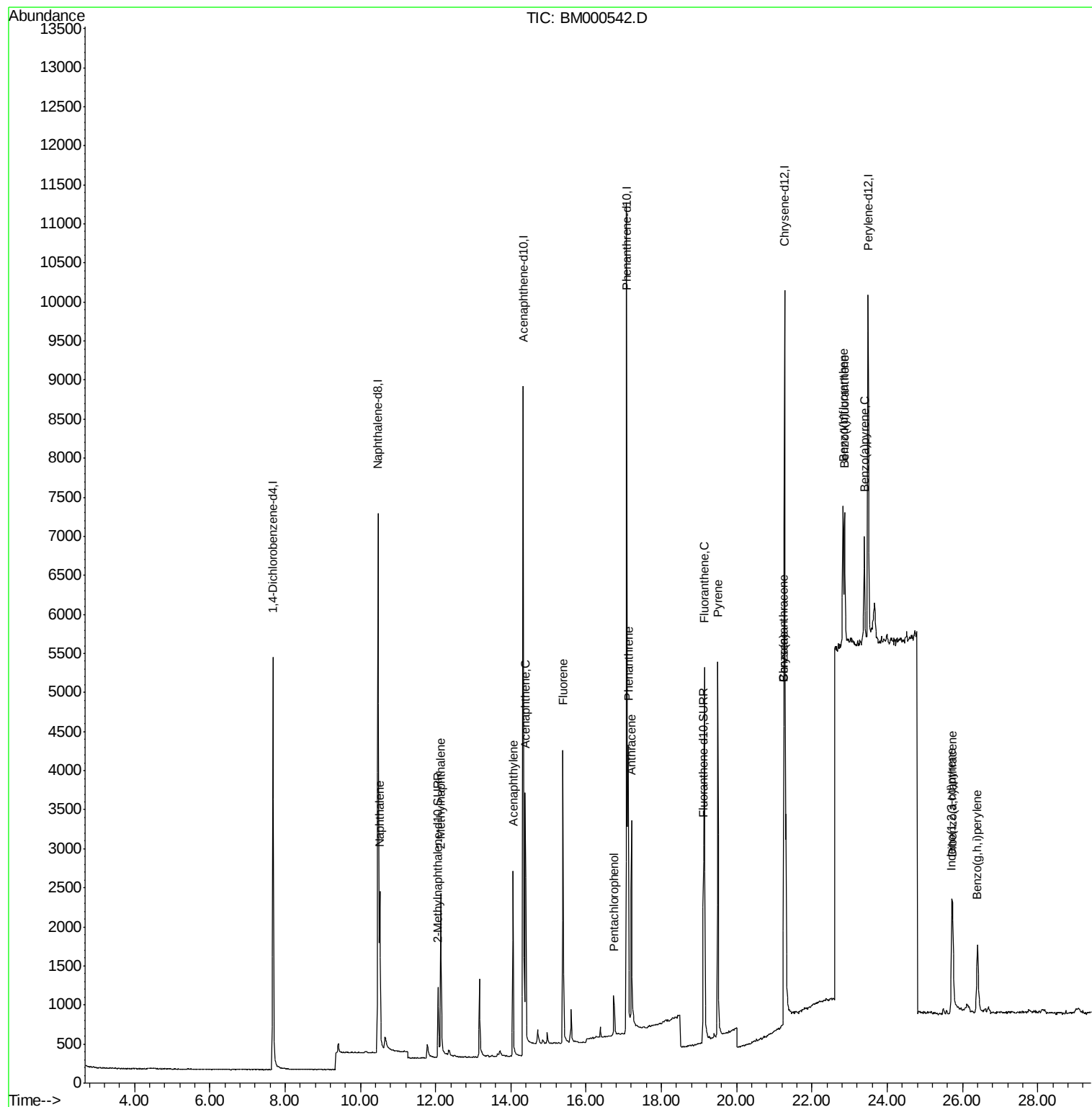
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.51	128	2805	0.10	ng/ul	94
5) 2-Methylnaphthalene	12.14	142	1959	0.11	ng/ul	99
7) Acenaphthylene	14.05	152	2926	0.11	ng/ul	95
8) Acenaphthene	14.38	153	2243	0.10	ng/ul	98
9) Fluorene	15.39	166	2777	0.11	ng/ul	97
11) Pentachlorophenol	16.73	266	491	0.24	ng/ul	99
12) Phenanthrene	17.12	178	4431	0.10	ng/ul	96
13) Anthracene	17.21	178	4158	0.10	ng/ul	96
15) Fluoranthene	19.14	202	4975	0.10	ng/ul	96
17) Pyrene	19.50	202	5011	0.12	ng/ul	96
18) Benzo(a)anthracene	21.25	228	3207	0.11	ng/ul	94
19) Chrysene	21.25	228	3207	0.09	ng/ul	96
21) Benzo(b)fluoranthene	22.82	252	2714	0.11	ng/ul#	30
22) Benzo(k)fluoranthene	22.87	252	2534	0.10	ng/ul#	35
23) Benzo(a)pyrene	23.39	252	2447	0.10	ng/ul#	36
24) Indeno(1,2,3-cd)pyrene	25.71	276	2391	0.10	ng/ul	97
25) Dibenzo(a,h)anthracene	25.73	278	1959	0.11	ng/ul#	36
26) Benzo(g,h,i)perylene	26.40	276	2090	0.10	ng/ul#	78

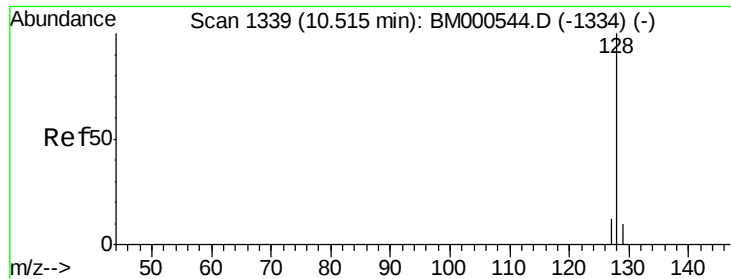
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.10 ng/ul

RT: 10.51 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BM000542.D

Acq: 18 Feb 2015 17:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.114

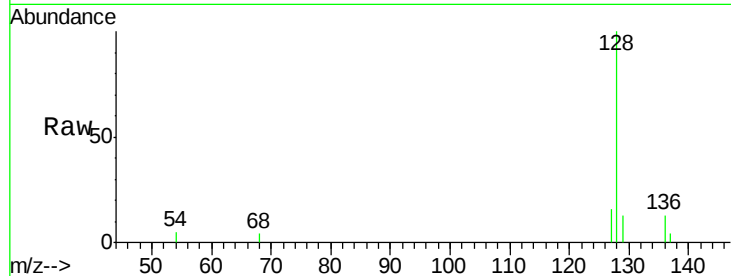
Tgt Ion:128 Resp: 2805

Ion Ratio Lower Upper

128 100

129 13.2 9.0 13.6

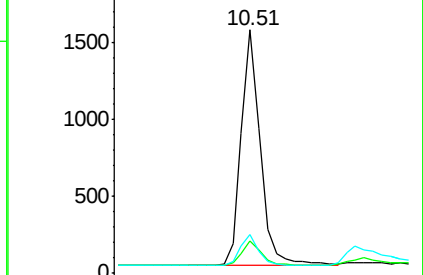
127 15.8 10.6 15.8



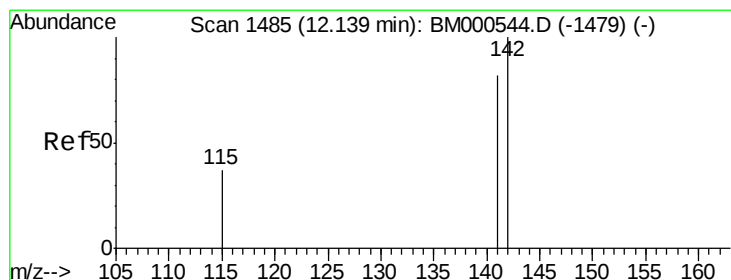
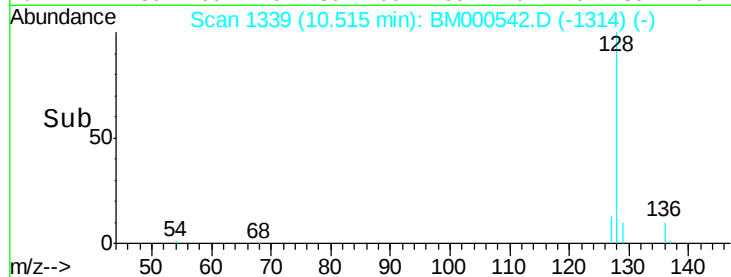
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#5

2-Methylnaphthalene

Concen: 0.11 ng/ul

RT: 12.14 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BM000542.D

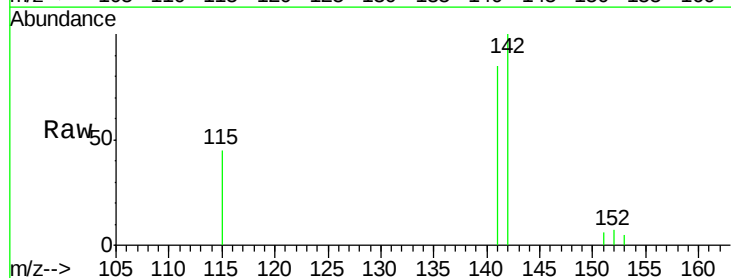
Acq: 18 Feb 2015 17:09

Tgt Ion:142 Resp: 1959

Ion Ratio Lower Upper

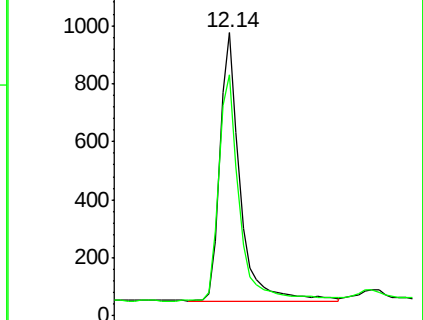
142 100

141 87.4 70.4 105.6

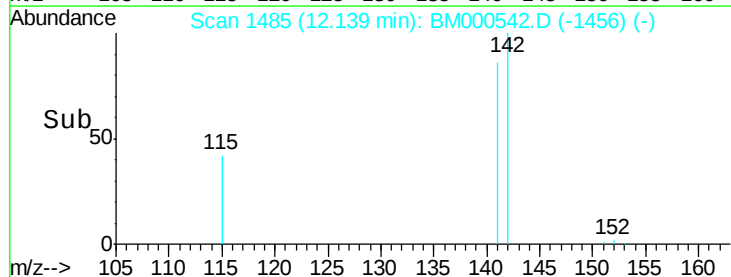


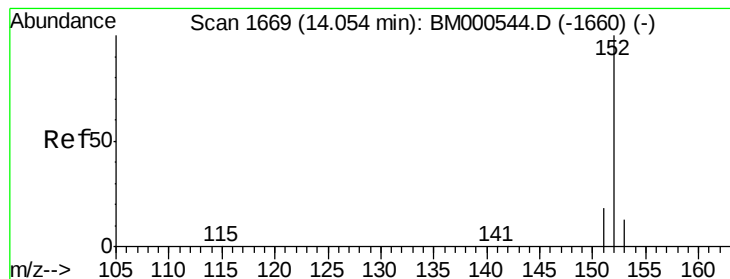
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#7

Acenaphthylene

Concen: 0.11 ng/ul

RT: 14.05 min Scan# 1669

Delta R.T. -0.00 min

Lab File: BM000542.D

Acq: 18 Feb 2015 17:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.114

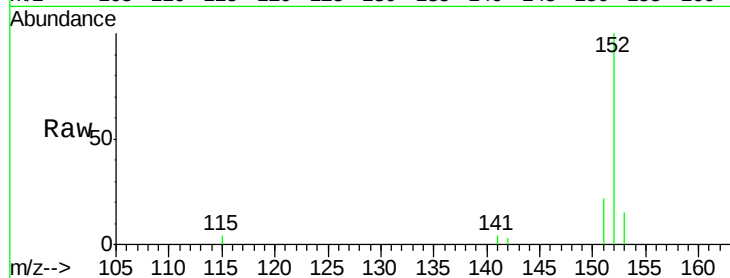
Tgt Ion:152 Resp: 2926

Ion Ratio Lower Upper

152 100

151 21.7 15.0 22.4

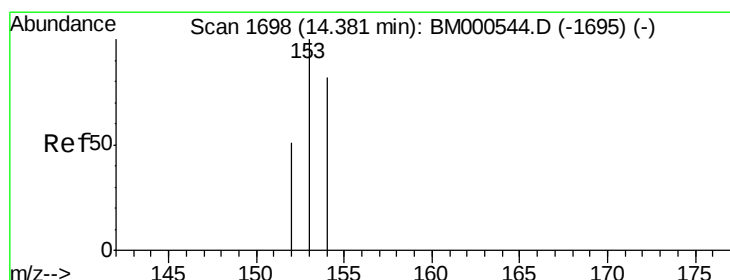
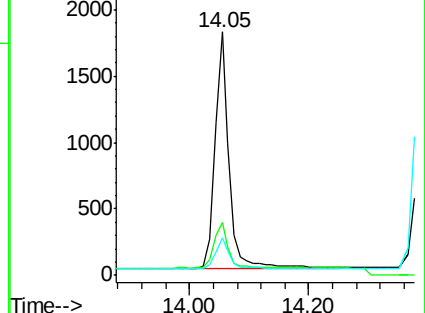
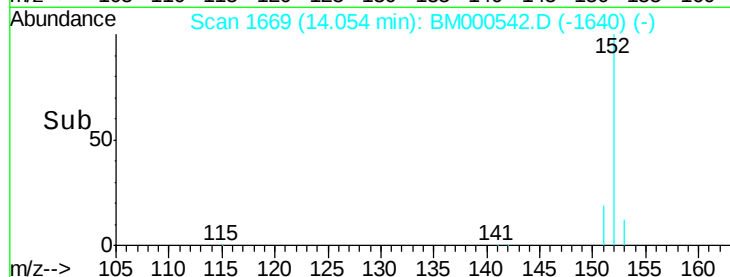
153 15.2 11.2 16.8



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: 0.10 ng/ul

RT: 14.38 min Scan# 1698

Delta R.T. -0.00 min

Lab File: BM000542.D

Acq: 18 Feb 2015 17:09

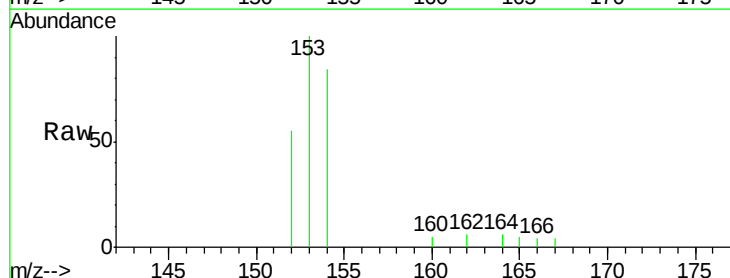
Tgt Ion:153 Resp: 2243

Ion Ratio Lower Upper

153 100

152 54.6 41.2 61.8

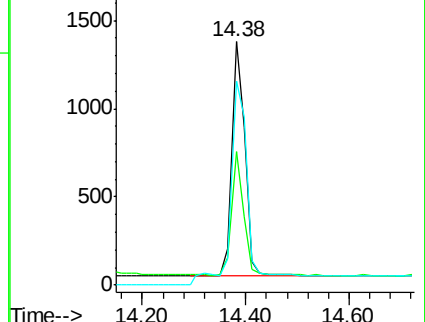
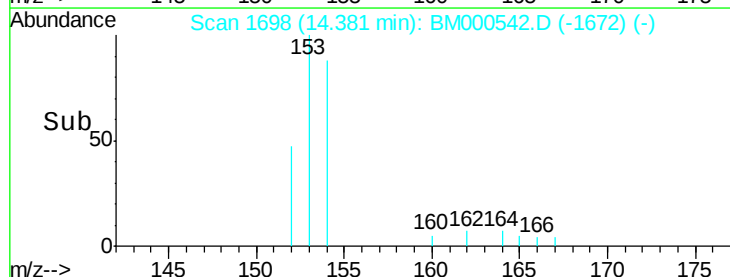
154 83.6 66.0 99.0

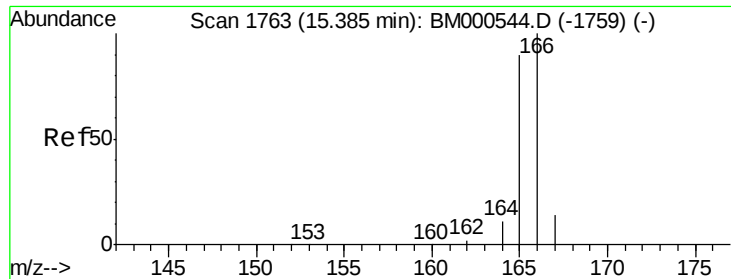


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.11 ng/ul

RT: 15.39 min Scan# 1763

Delta R.T. -0.00 min

Lab File: BM000542.D

Acq: 18 Feb 2015 17:09

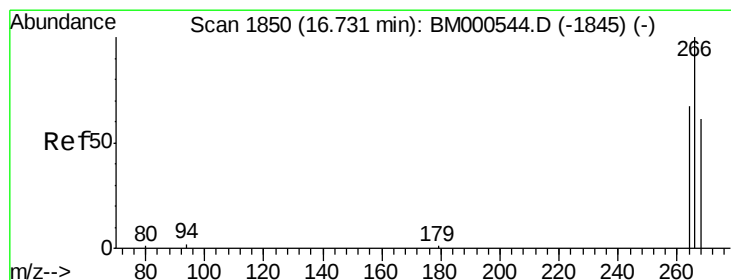
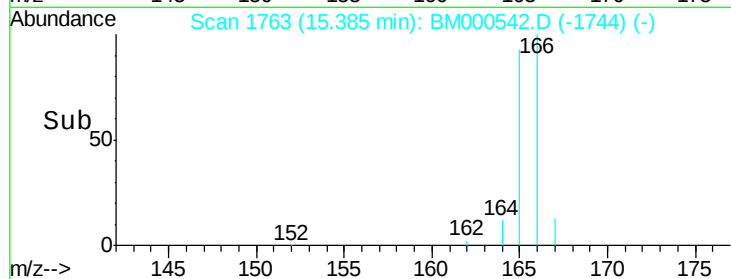
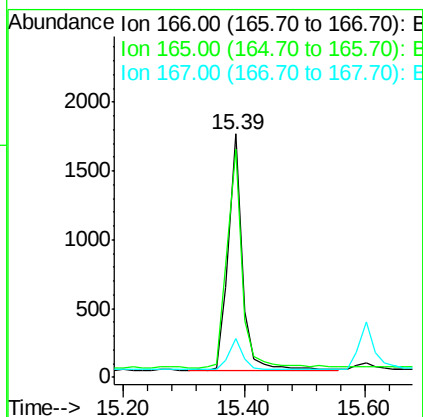
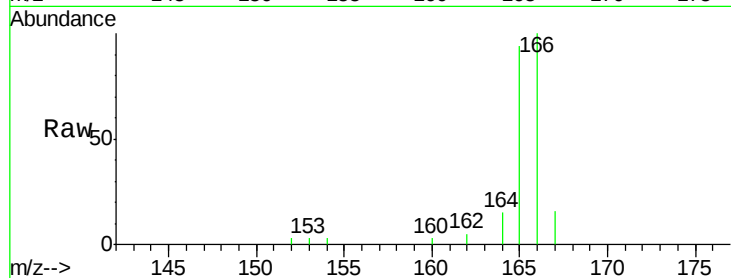
Instrument :

BNA_M

ClientSampleId :

SSTD0.114

Tgt Ion:	166	Resp:	2777
Ion	Ratio	Lower	Upper
166	100		
165	93.8	72.3	108.5
167	15.7	11.9	17.9



#11

Pentachlorophenol

Concen: 0.24 ng/ul

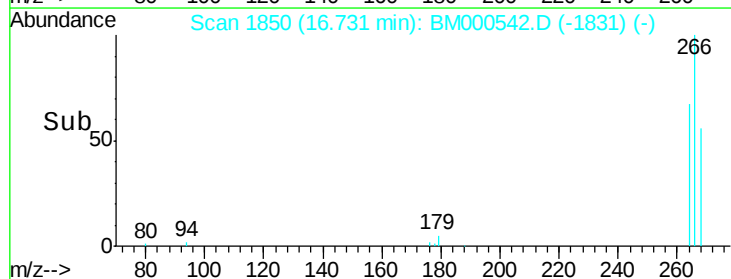
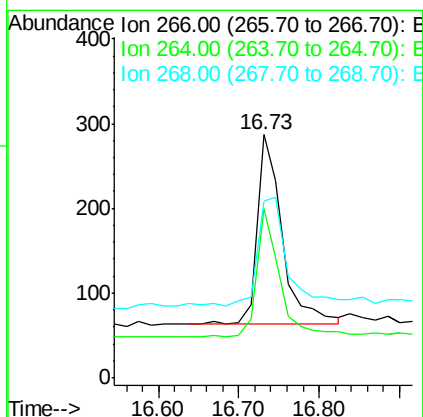
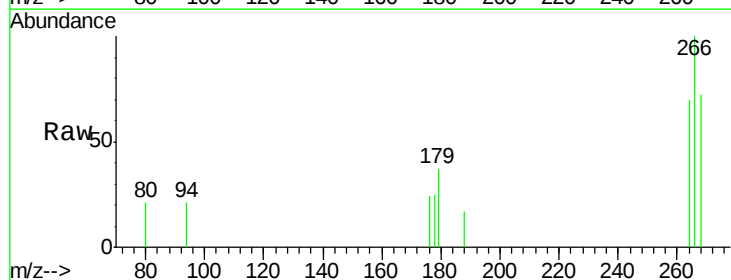
RT: 16.73 min Scan# 1850

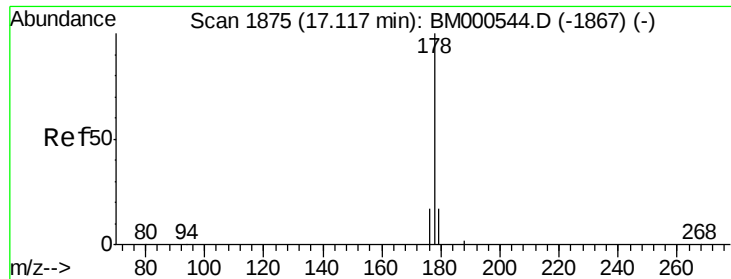
Delta R.T. -0.00 min

Lab File: BM000542.D

Acq: 18 Feb 2015 17:09

Tgt Ion:	266	Resp:	491
Ion	Ratio	Lower	Upper
266	100		
264	64.6	51.8	77.6
268	70.1	55.4	83.0





#12

Phenanthrene

Concen: 0.10 ng/ul

RT: 17.12 min Scan# 1875

Delta R.T. -0.00 min

Lab File: BM000542.D

Acq: 18 Feb 2015 17:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.114

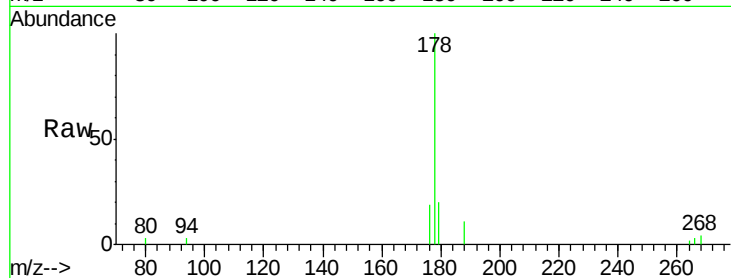
Tgt Ion:178 Resp: 4431

Ion Ratio Lower Upper

178 100

176 19.2 14.1 21.1

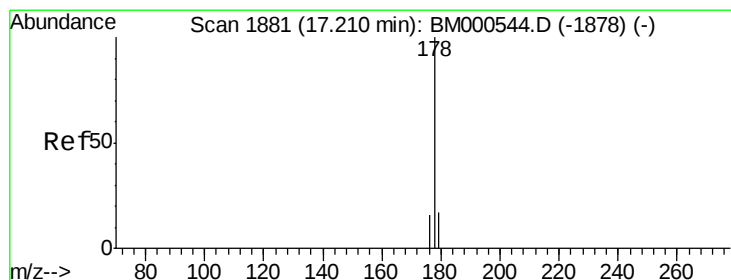
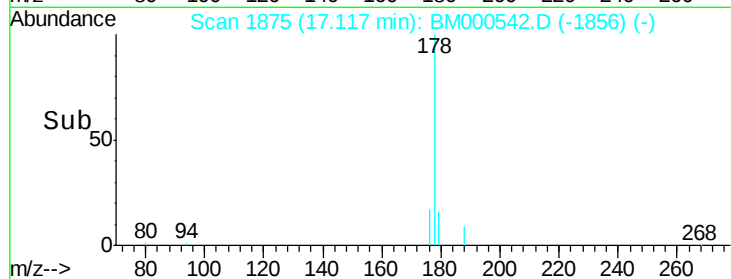
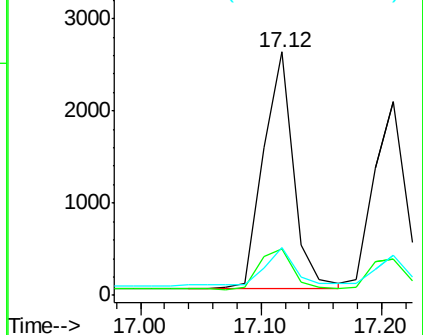
179 19.6 14.4 21.6



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: 0.10 ng/ul

RT: 17.21 min Scan# 1881

Delta R.T. -0.00 min

Lab File: BM000542.D

Acq: 18 Feb 2015 17:09

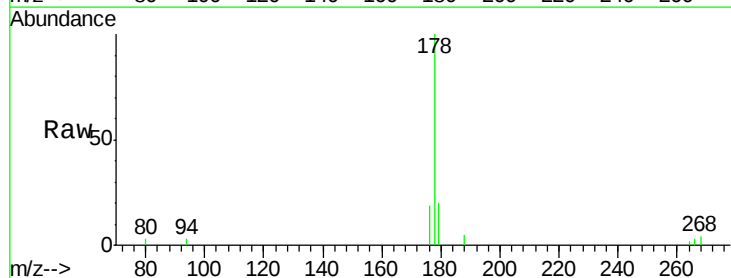
Tgt Ion:178 Resp: 4158

Ion Ratio Lower Upper

178 100

176 18.9 13.6 20.4

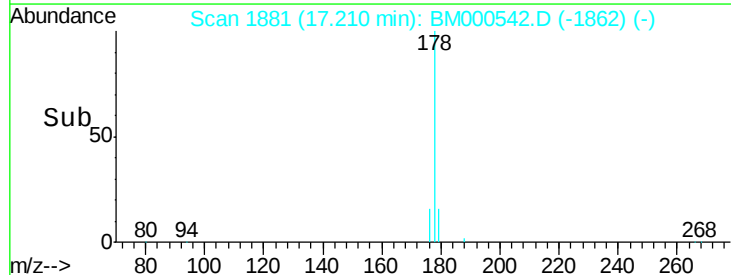
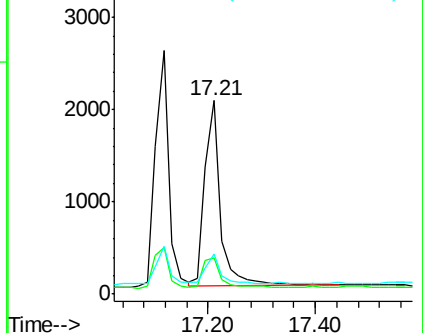
179 20.5 14.9 22.3

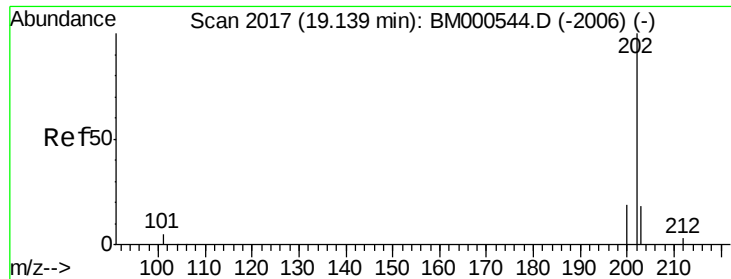


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.10 ng/ul

RT: 19.14 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BM000542.D

Acq: 18 Feb 2015 17:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.114

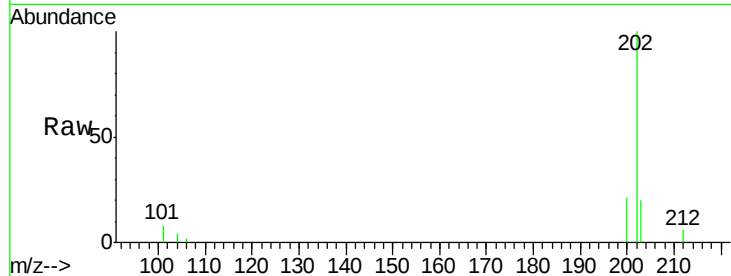
Tgt Ion:202 Resp: 4975

Ion Ratio Lower Upper

202 100

101 8.1 0.0 25.4

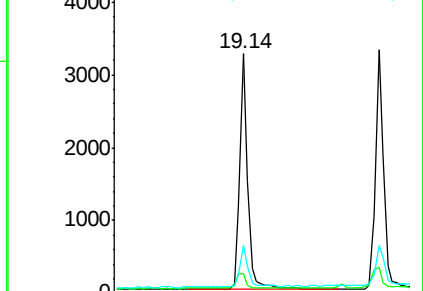
203 19.7 0.0 38.6



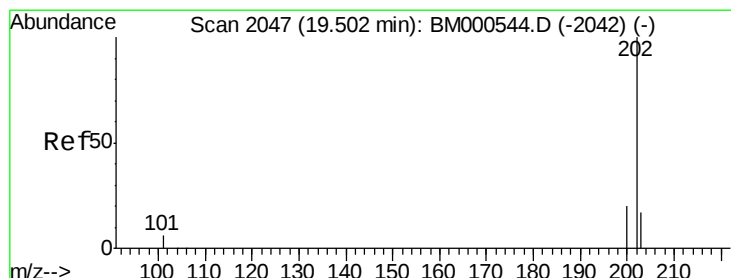
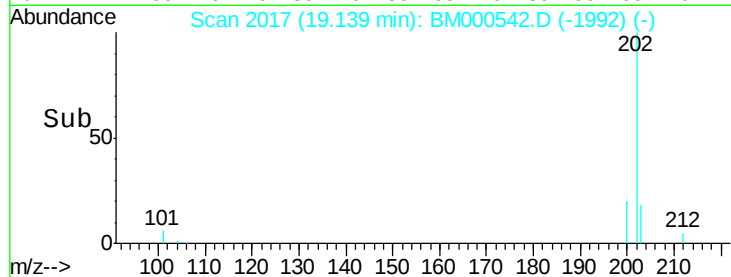
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 18.80 19.00 19.20 19.40



#17

Pyrene

Concen: 0.12 ng/ul

RT: 19.50 min Scan# 2047

Delta R.T. -0.00 min

Lab File: BM000542.D

Acq: 18 Feb 2015 17:09

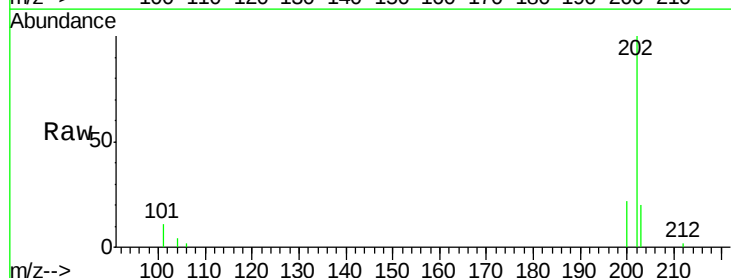
Tgt Ion:202 Resp: 5011

Ion Ratio Lower Upper

202 100

200 22.0 16.0 24.0

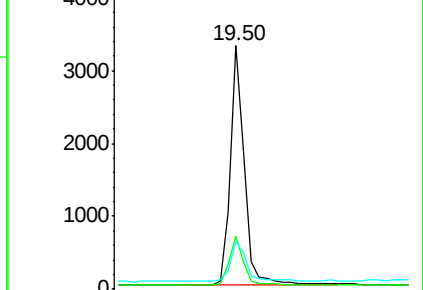
203 19.5 14.4 21.6



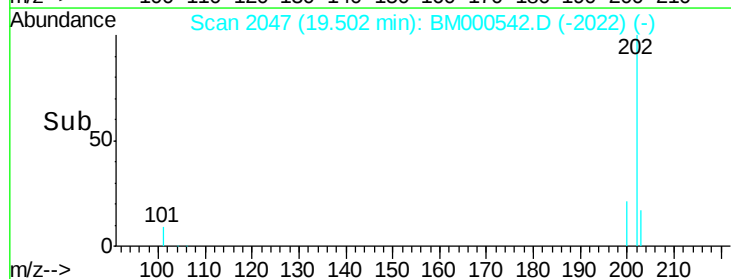
Abundance Ion 202.00 (201.70 to 202.70): E

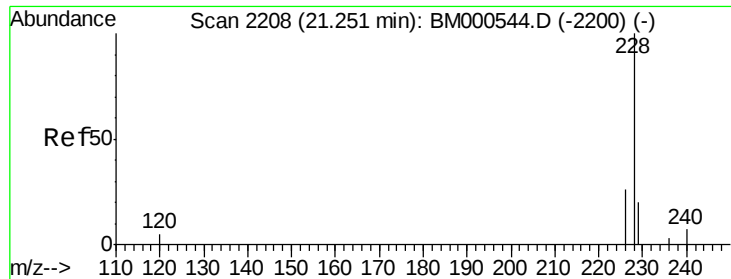
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.40 19.60





#18

Benzo(a)anthracene

Concen: 0.11 ng/ul

RT: 21.25 min Scan# 2208

Delta R.T. -0.00 min

Lab File: BM000542.D

Acq: 18 Feb 2015 17:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.114

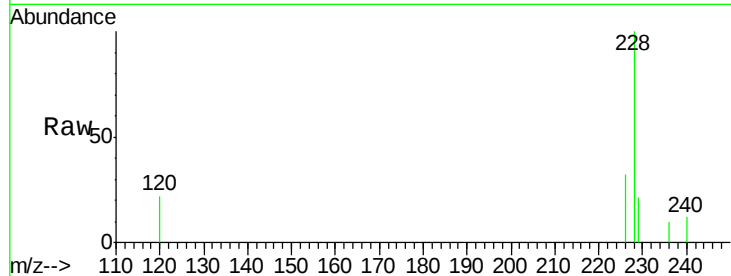
Tgt Ion:228 Resp: 3207

Ion Ratio Lower Upper

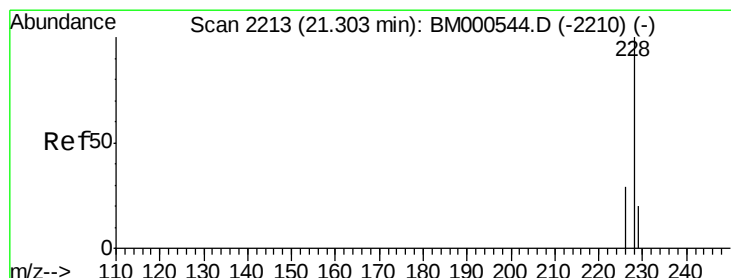
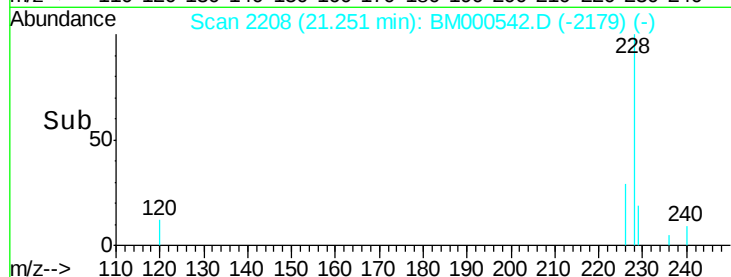
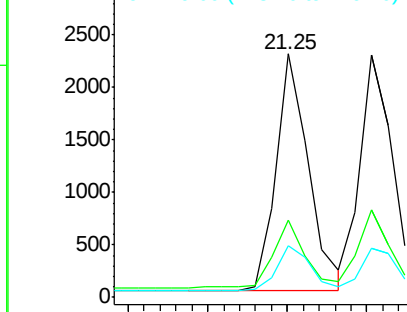
228 100

226 31.7 21.2 31.8

229 21.1 16.4 24.6



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: 0.09 ng/ul

RT: 21.25 min Scan# 2208

Delta R.T. -0.05 min

Lab File: BM000542.D

Acq: 18 Feb 2015 17:09

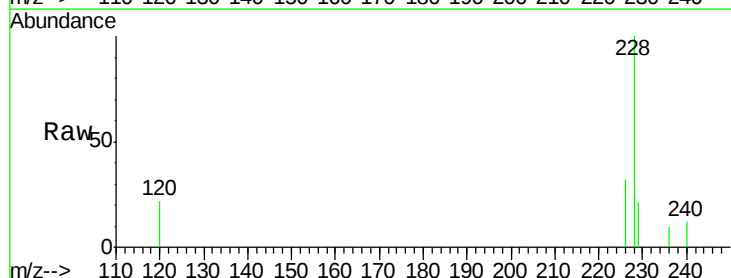
Tgt Ion:228 Resp: 3207

Ion Ratio Lower Upper

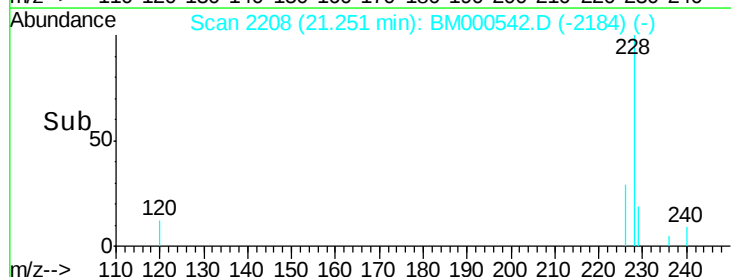
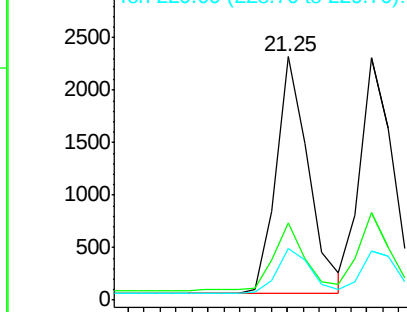
228 100

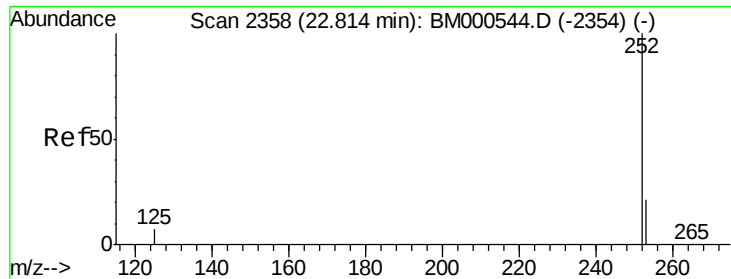
226 31.7 23.1 34.7

229 21.1 16.3 24.5



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: 0.11 ng/ul

RT: 22.82 min Scan# 2359

Delta R.T. 0.01 min

Lab File: BM000542.D

Acq: 18 Feb 2015 17:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.114

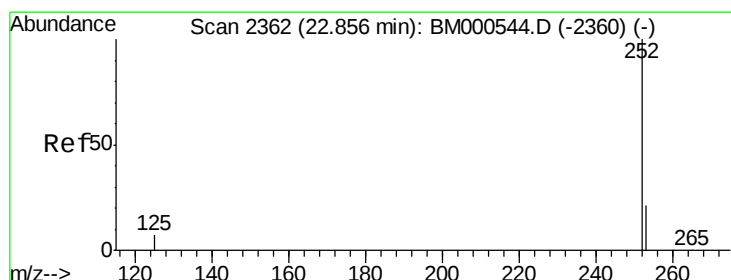
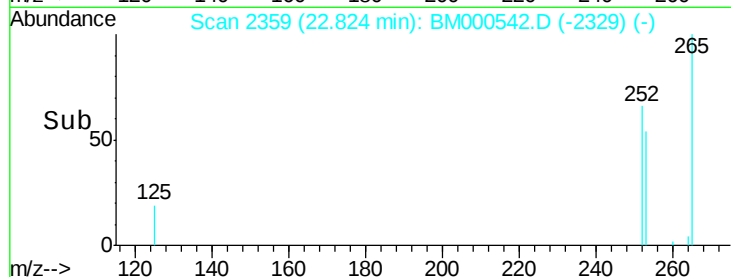
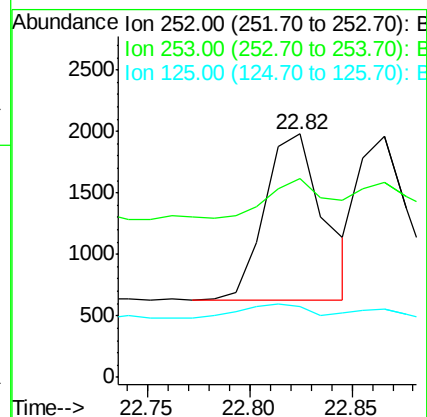
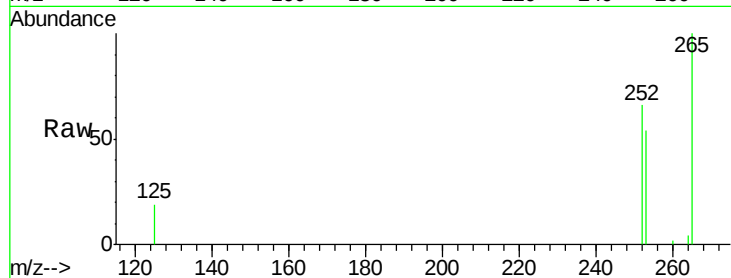
Tgt Ion:252 Resp: 2714

Ion Ratio Lower Upper

252 100

253 81.8 0.0 69.8#

125 29.0 0.0 25.6#



#22

Benzo(k)fluoranthene

Concen: 0.10 ng/ul

RT: 22.87 min Scan# 2363

Delta R.T. 0.01 min

Lab File: BM000542.D

Acq: 18 Feb 2015 17:09

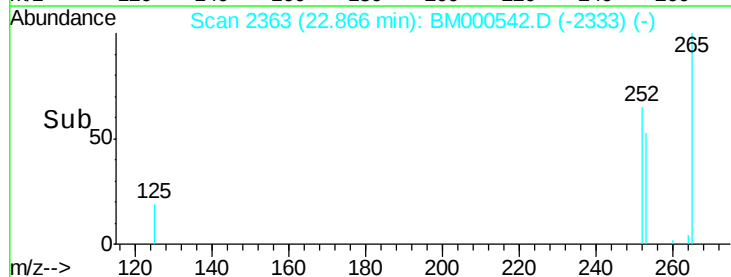
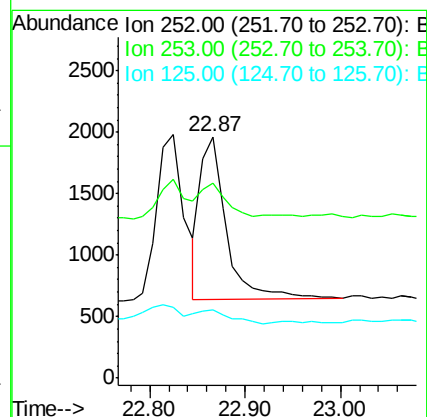
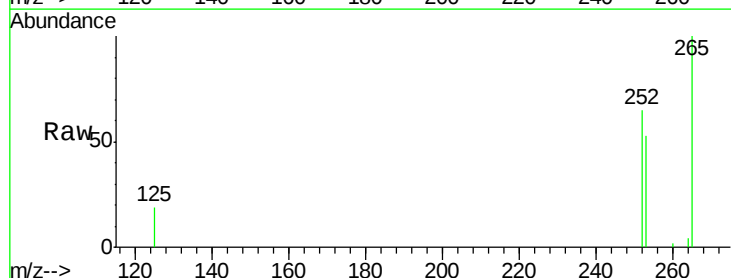
Tgt Ion:252 Resp: 2534

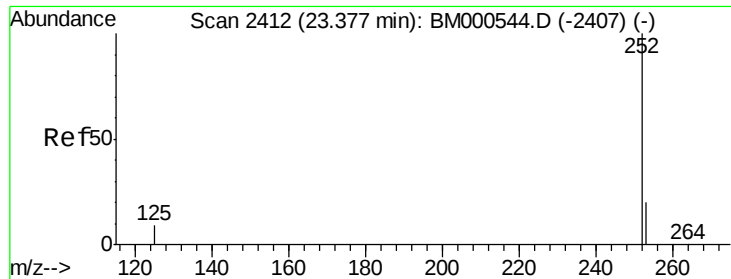
Ion Ratio Lower Upper

252 100

253 80.9 29.2 43.8#

125 28.3 10.8 16.2#





#23

Benzo(a)pyrene

Concen: 0.10 ng/ul

RT: 23.39 min Scan# 2413

Delta R.T. 0.01 min

Lab File: BM000542.D

Acq: 18 Feb 2015 17:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.114

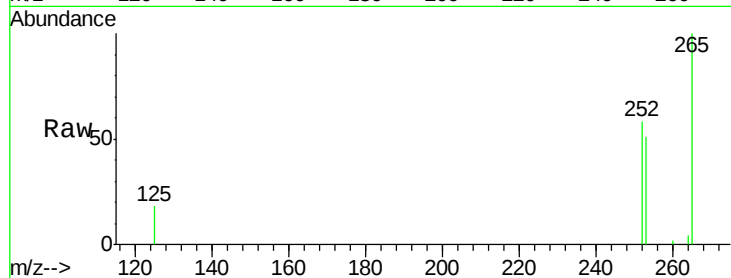
Tgt Ion: 252 Resp: 2447

Ion Ratio Lower Upper

252 100

253 88.6 32.7 49.1#

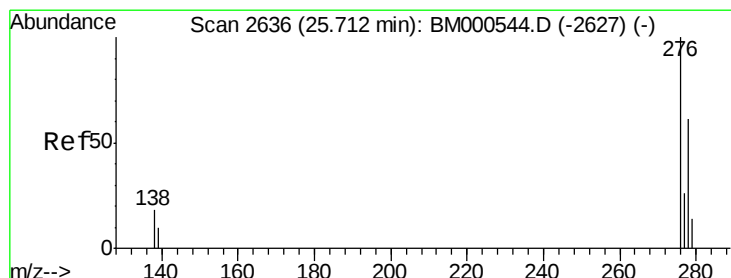
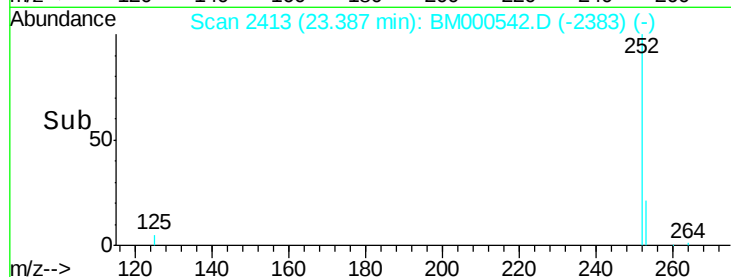
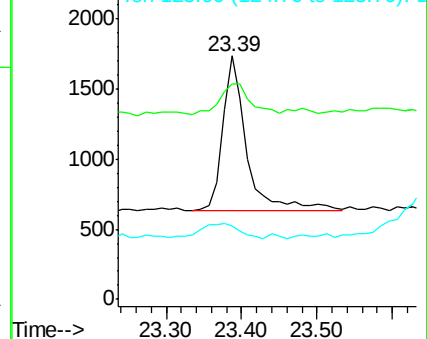
125 30.4 13.3 19.9#



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: 0.10 ng/ul

RT: 25.71 min Scan# 2636

Delta R.T. -0.00 min

Lab File: BM000542.D

Acq: 18 Feb 2015 17:09

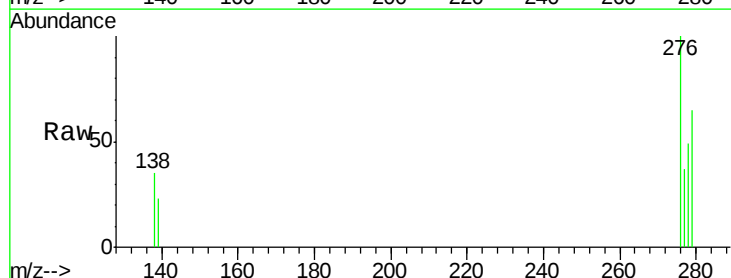
Tgt Ion: 276 Resp: 2391

Ion Ratio Lower Upper

276 100

138 21.0 14.9 22.3

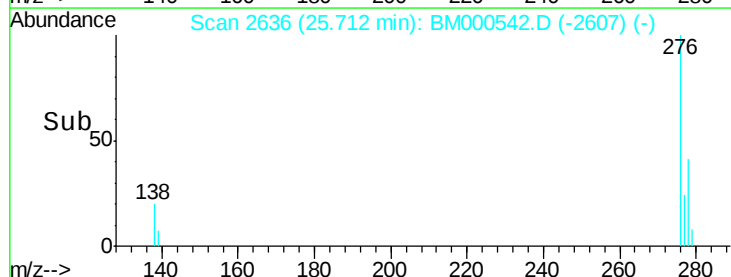
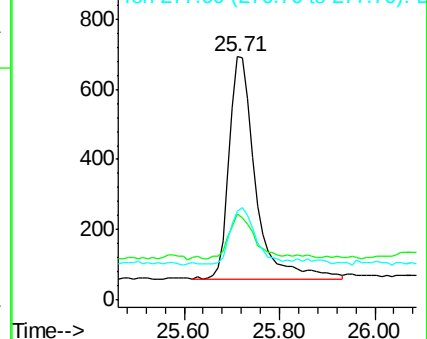
277 24.3 19.9 29.9

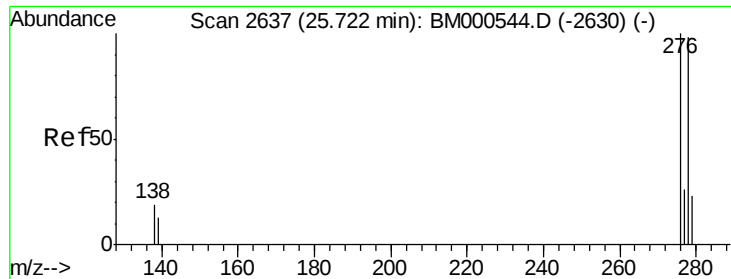


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.11 ng/ul

RT: 25.73 min Scan# 2638

Delta R.T. 0.01 min

Lab File: BM000542.D

Acq: 18 Feb 2015 17:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.114

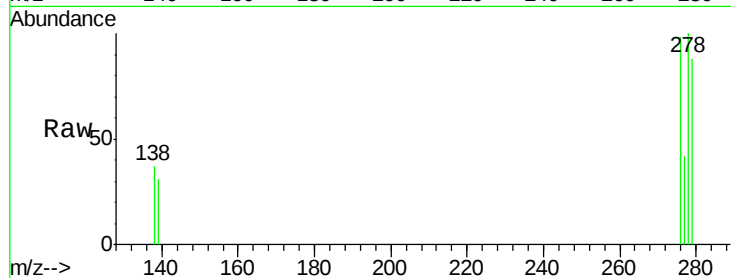
Tgt Ion:278 Resp: 1959

Ion Ratio Lower Upper

278 100

139 31.5 14.2 21.2#

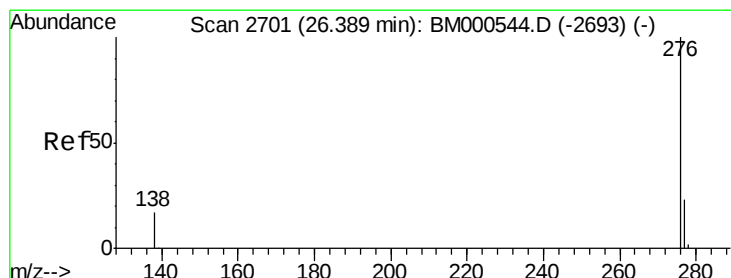
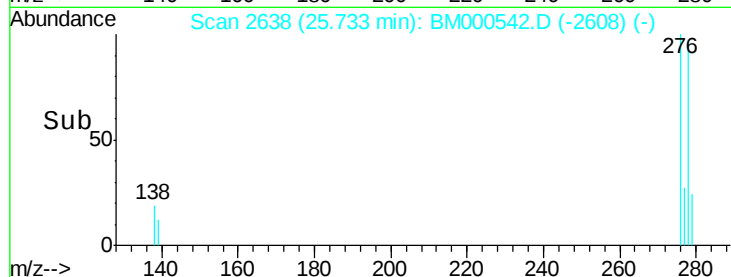
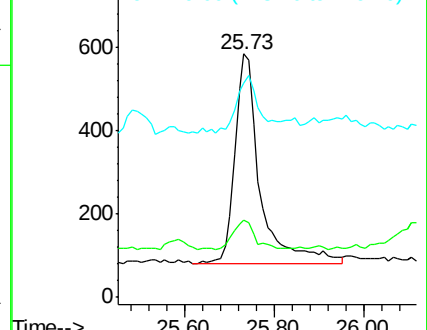
279 87.7 31.5 47.3#



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



#26

Benzo(g,h,i)perylene

Concen: 0.10 ng/ul

RT: 26.40 min Scan# 2702

Delta R.T. 0.01 min

Lab File: BM000542.D

Acq: 18 Feb 2015 17:09

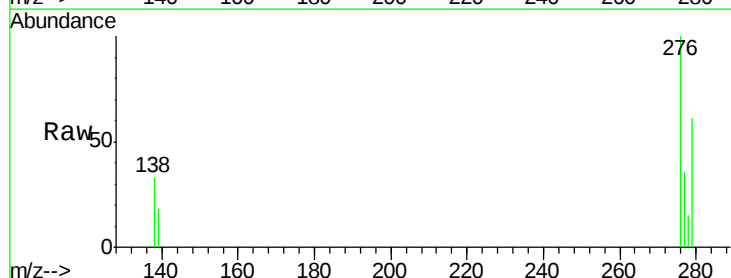
Tgt Ion:276 Resp: 2090

Ion Ratio Lower Upper

276 100

277 36.2 21.4 32.2#

138 32.5 16.5 24.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

