

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021815\
 Data File : BM000543.D
 Acq On : 18 Feb 2015 17:44
 Operator : TP/IZ
 Sample : SSTD0.215
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.215

Quant Time: Feb 19 00:53:13 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 00:44:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	3033	0.40	ng/ul	0.00
2) Naphthalene-d8	10.47	136	10705	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.33	164	7196	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	15852	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	11127	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	7761	0.40	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.07	152	2971	0.21	ng/ul	0.00
14) Fluoranthene-d10	19.11	212	7018	0.20	ng/ul	0.00

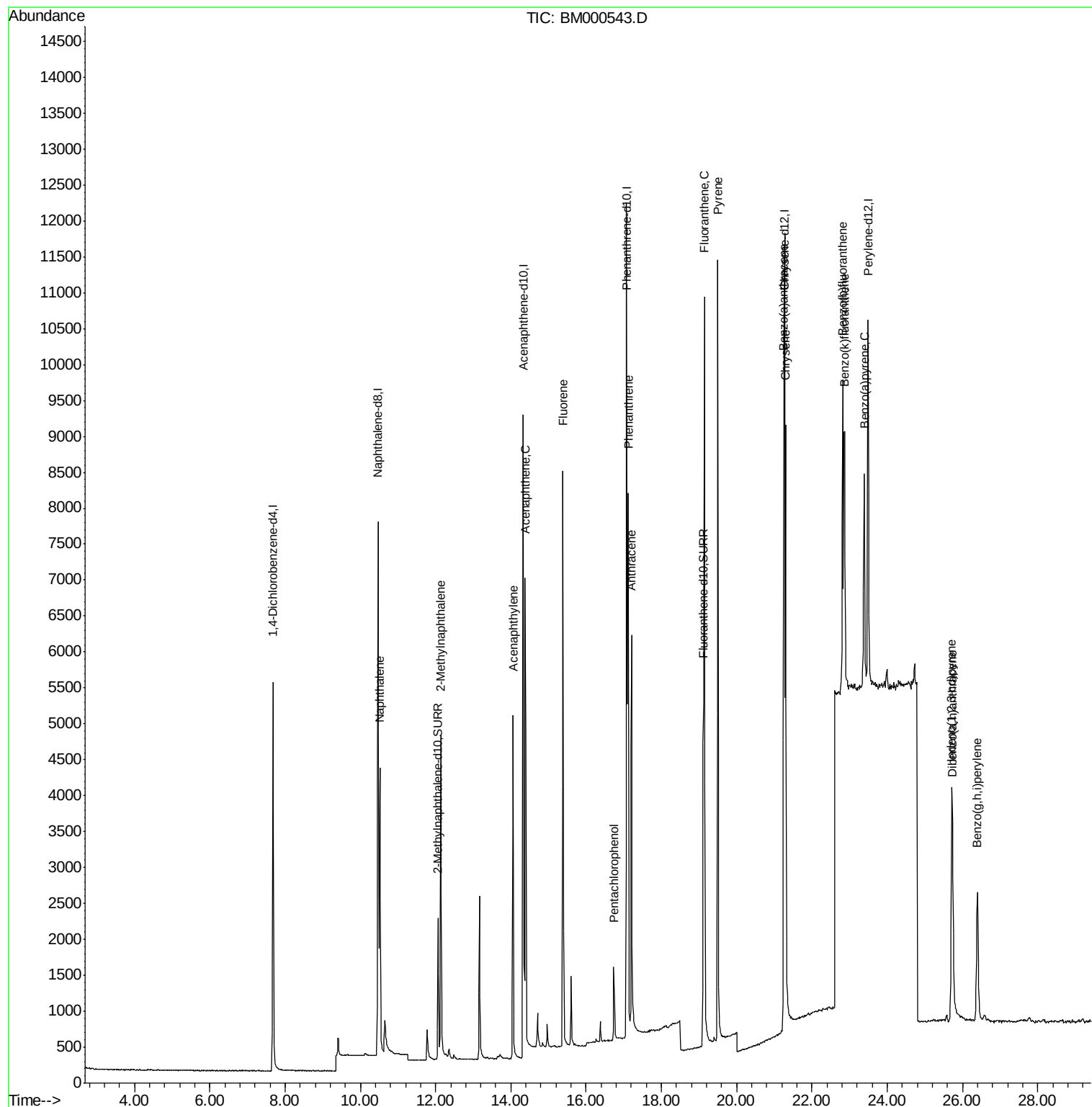
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.51	128	5562	0.20	ng/ul	98
5) 2-Methylnaphthalene	12.14	142	3941	0.21	ng/ul	99
7) Acenaphthylene	14.05	152	5964	0.21	ng/ul	99
8) Acenaphthene	14.38	153	4636	0.21	ng/ul	98
9) Fluorene	15.39	166	5747	0.22	ng/ul	97
11) Pentachlorophenol	16.73	266	926	0.43	ng/ul	95
12) Phenanthrene	17.12	178	9324	0.20	ng/ul	99
13) Anthracene	17.21	178	8488	0.20	ng/ul	98
15) Fluoranthene	19.14	202	10495	0.19	ng/ul	99
17) Pyrene	19.50	202	10724	0.23	ng/ul	99
18) Benzo(a)anthracene	21.25	228	7441	0.22	ng/ul	99
19) Chrysene	21.30	228	7957	0.20	ng/ul	97
21) Benzo(b)fluoranthene	22.81	252	5762	0.20	ng/ul	81
22) Benzo(k)fluoranthene	22.87	252	6008	0.20	ng/ul#	77
23) Benzo(a)pyrene	23.39	252	5388	0.20	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	25.71	276	5019	0.18	ng/ul	99
25) Dibenzo(a,h)anthracene	25.73	278	3897	0.18	ng/ul#	78
26) Benzo(g,h,i)perylene	26.39	276	4371	0.18	ng/ul#	92

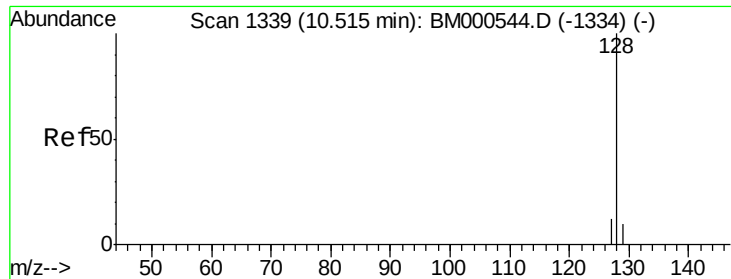
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.20 ng/ul

RT: 10.51 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BM000543.D

Acq: 18 Feb 2015 17:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.215

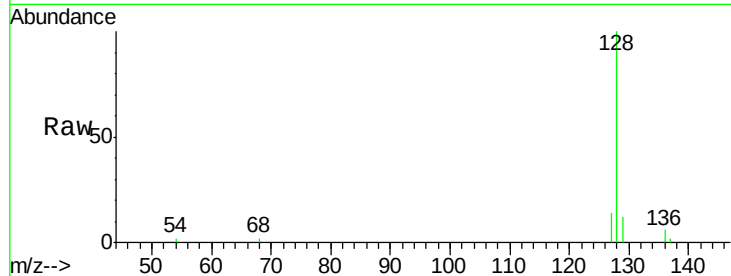
Tgt Ion:128 Resp: 5562

Ion Ratio Lower Upper

128 100

129 12.1 9.0 13.6

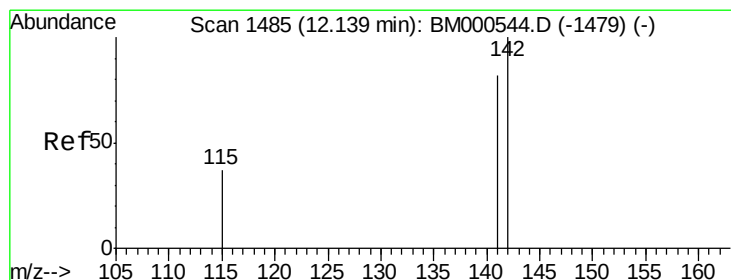
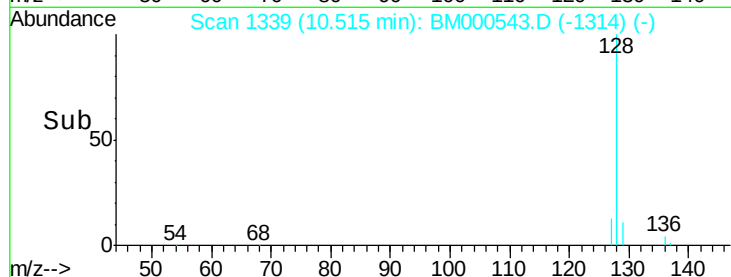
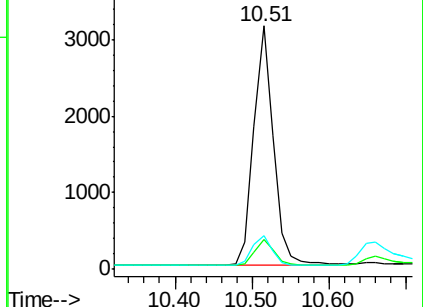
127 14.0 10.6 15.8



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



#5

2-Methylnaphthalene

Concen: 0.21 ng/ul

RT: 12.14 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BM000543.D

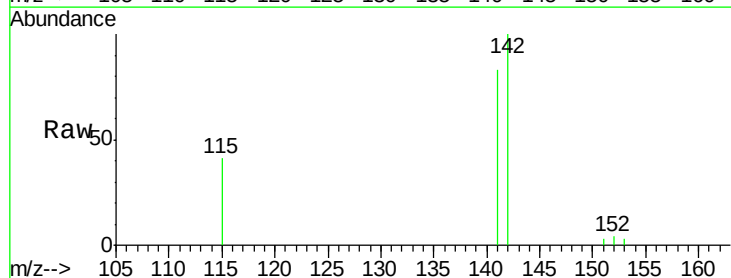
Acq: 18 Feb 2015 17:44

Tgt Ion:142 Resp: 3941

Ion Ratio Lower Upper

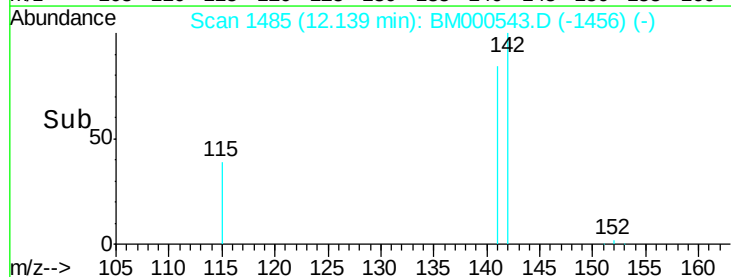
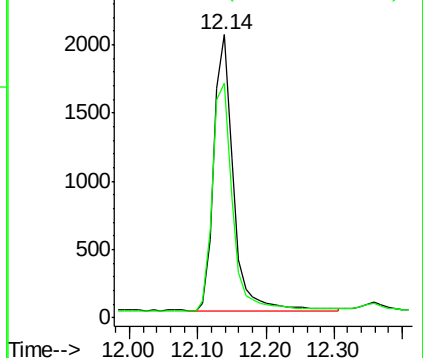
142 100

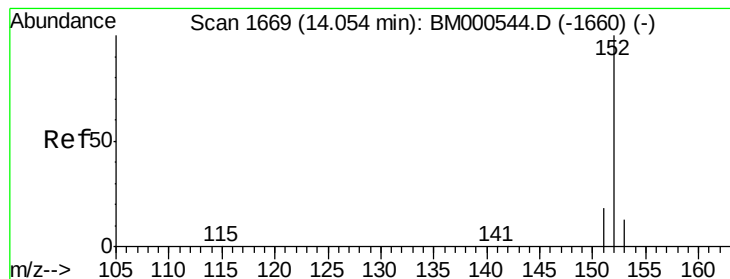
141 87.0 70.4 105.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.21 ng/ul

RT: 14.05 min Scan# 1669

Delta R.T. -0.00 min

Lab File: BM000543.D

Acq: 18 Feb 2015 17:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.215

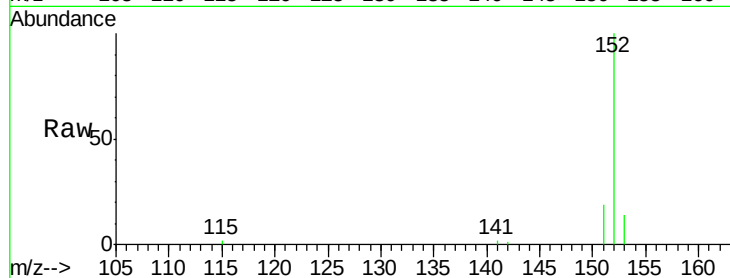
Tgt Ion:152 Resp: 5964

Ion Ratio Lower Upper

152 100

151 19.5 15.0 22.4

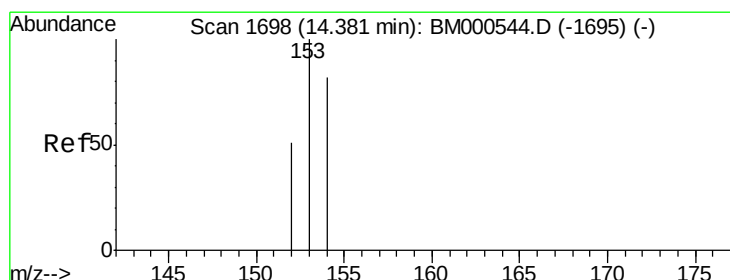
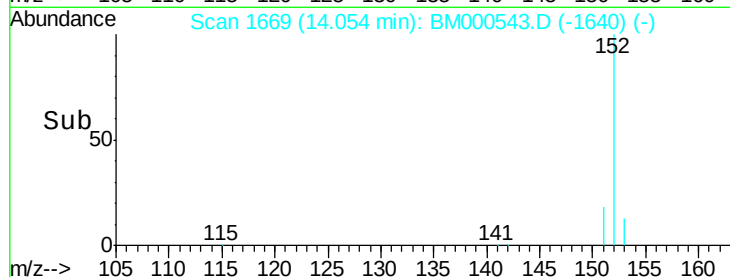
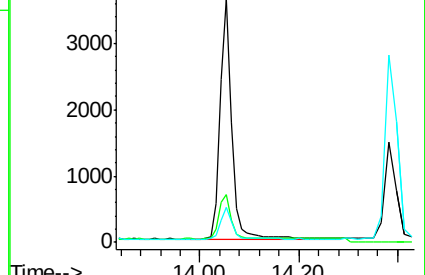
153 14.2 11.2 16.8



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: 0.21 ng/ul

RT: 14.38 min Scan# 1698

Delta R.T. -0.00 min

Lab File: BM000543.D

Acq: 18 Feb 2015 17:44

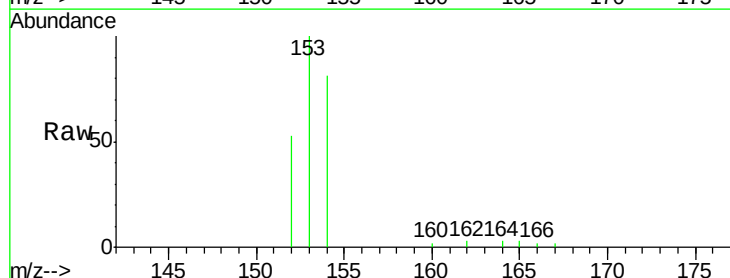
Tgt Ion:153 Resp: 4636

Ion Ratio Lower Upper

153 100

152 53.2 41.2 61.8

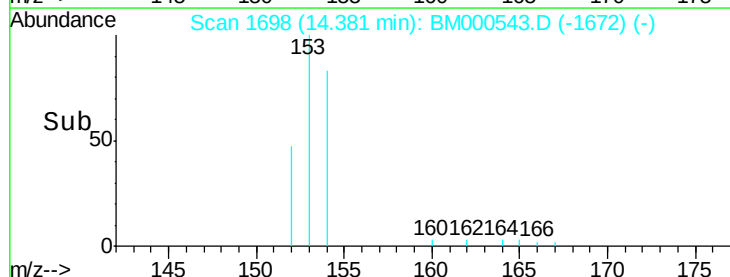
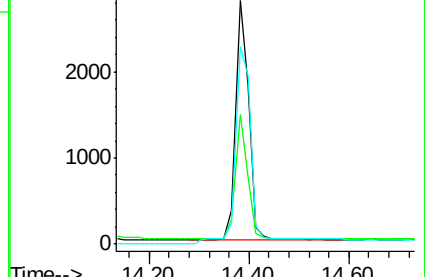
154 80.9 66.0 99.0

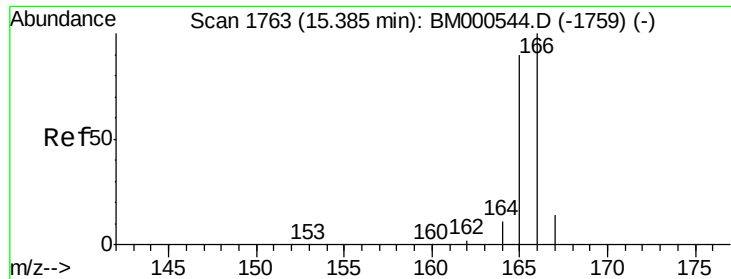


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

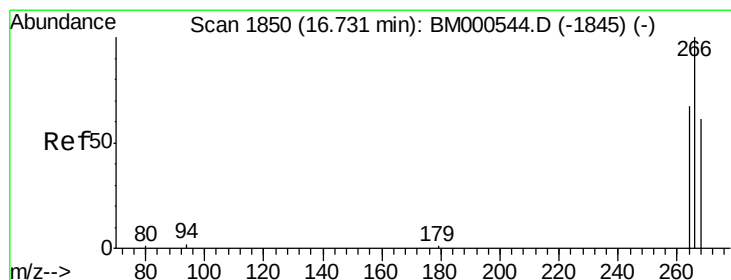
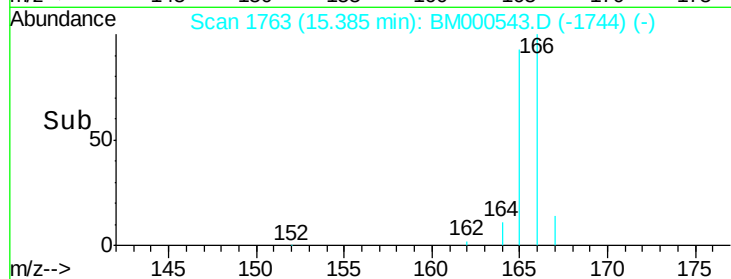
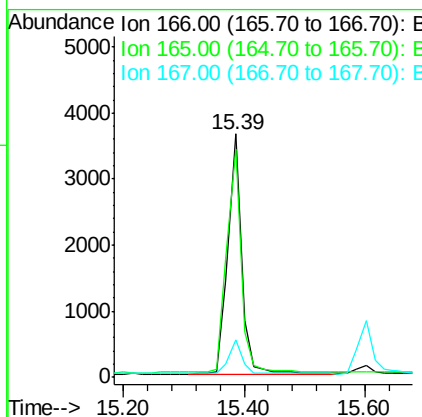
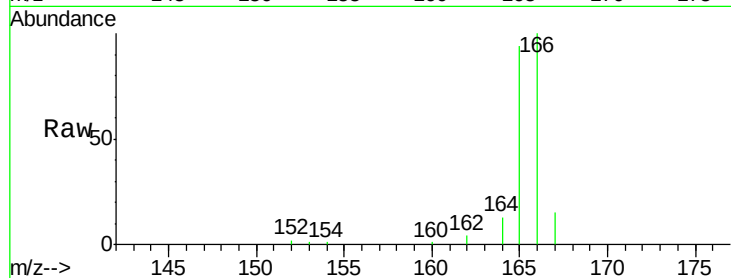




#9
Fluorene
 Concen: 0.22 ng/ul
 RT: 15.39 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: BM000543.D
 Acq: 18 Feb 2015 17:44

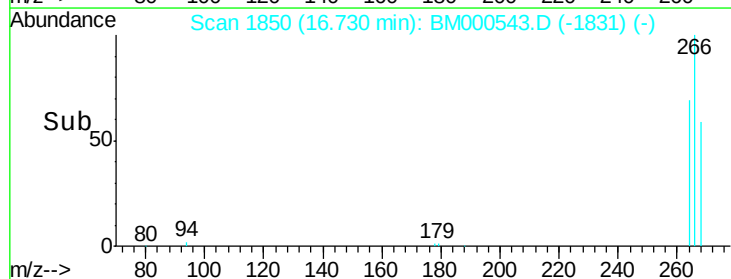
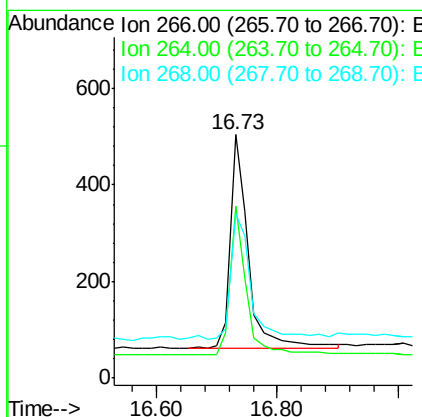
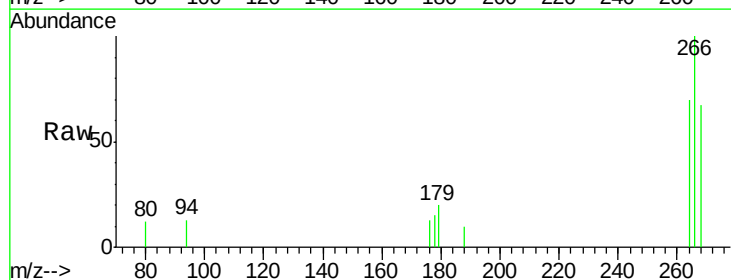
Instrument :
 BNA_M
 ClientSampleId :
 SST0.215

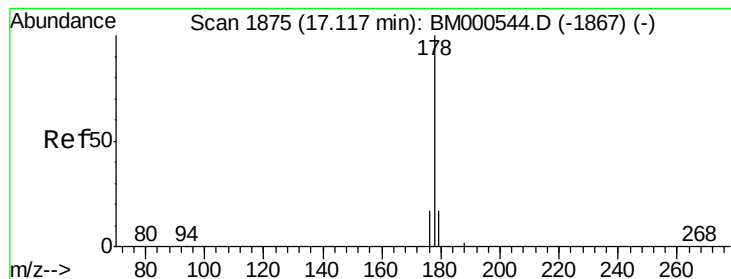
Tgt Ion:166 Resp: 5747
 Ion Ratio Lower Upper
 166 100
 165 93.9 72.3 108.5
 167 15.5 11.9 17.9



#11
Pentachlorophenol
 Concen: 0.43 ng/ul
 RT: 16.73 min Scan# 1850
 Delta R.T. -0.00 min
 Lab File: BM000543.D
 Acq: 18 Feb 2015 17:44

Tgt Ion:266 Resp: 926
 Ion Ratio Lower Upper
 266 100
 264 61.7 51.8 77.6
 268 63.8 55.4 83.0





#12

Phenanthrene

Concen: 0.20 ng/ul

RT: 17.12 min Scan# 1875

Delta R.T. -0.00 min

Lab File: BM000543.D

Acq: 18 Feb 2015 17:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.215

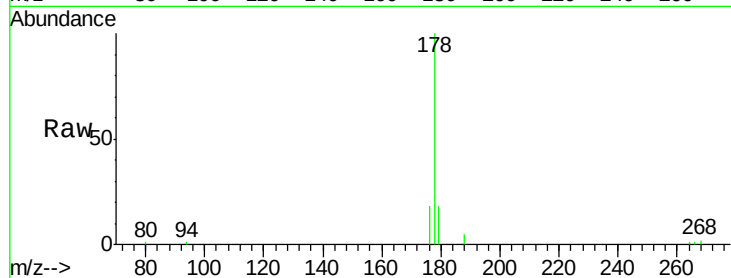
Tgt Ion:178 Resp: 9324

Ion Ratio Lower Upper

178 100

176 18.2 14.1 21.1

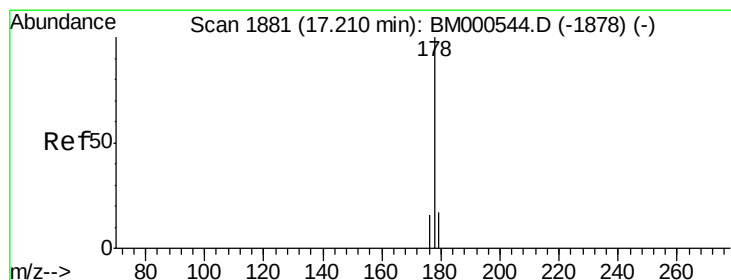
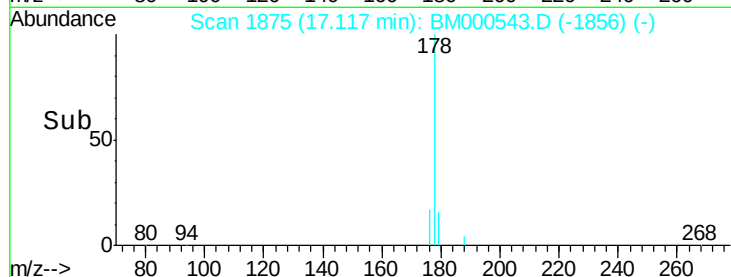
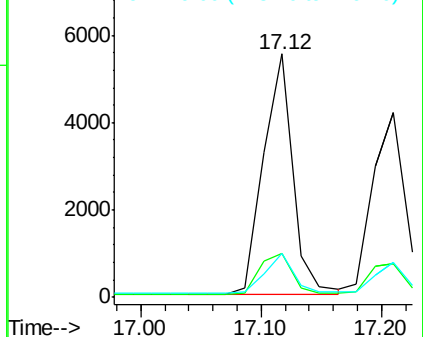
179 18.1 14.4 21.6



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: 0.20 ng/ul

RT: 17.21 min Scan# 1881

Delta R.T. -0.00 min

Lab File: BM000543.D

Acq: 18 Feb 2015 17:44

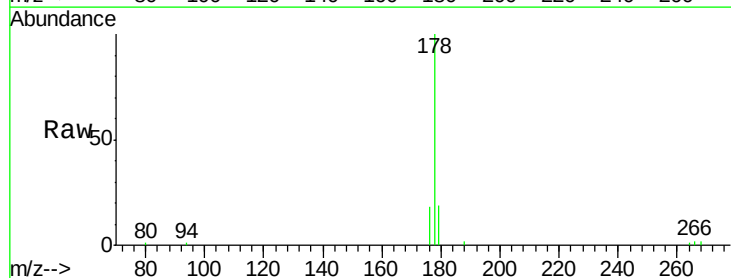
Tgt Ion:178 Resp: 8488

Ion Ratio Lower Upper

178 100

176 18.3 13.6 20.4

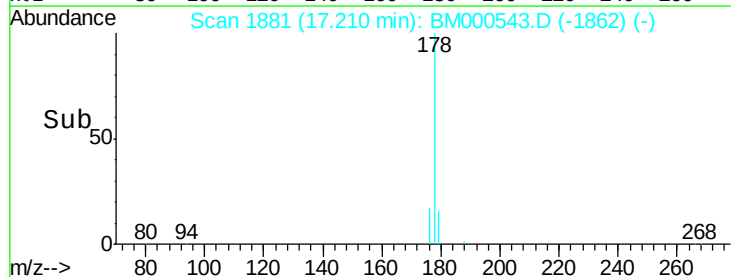
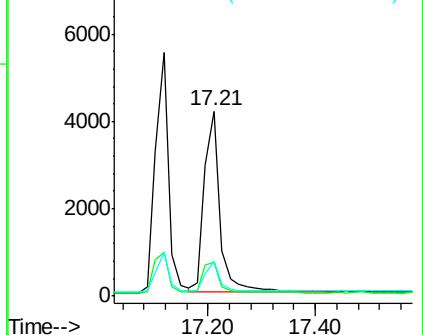
179 18.7 14.9 22.3

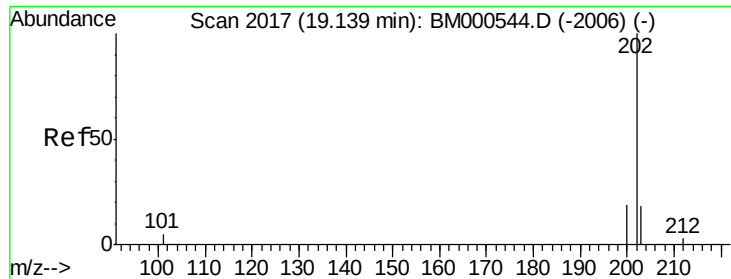


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

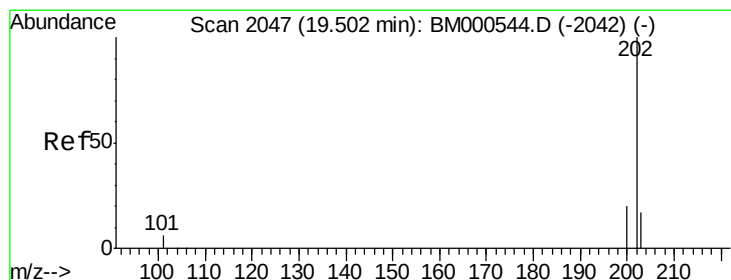
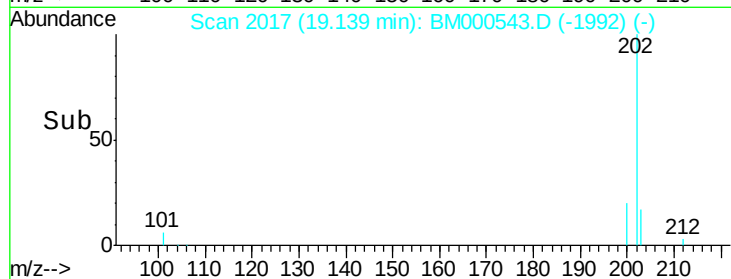
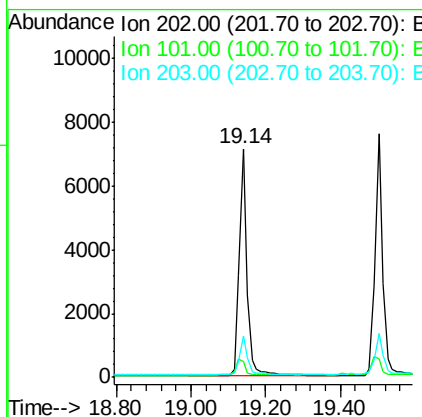
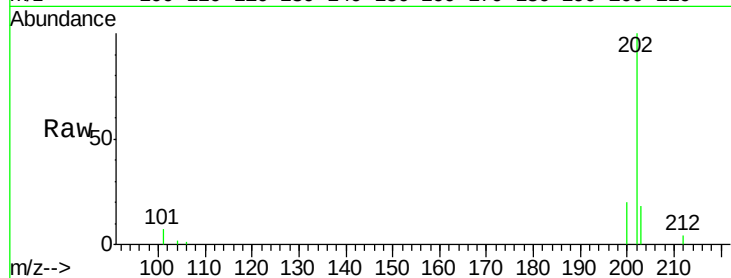




#15
Fluoranthene
Concen: 0.19 ng/ul
RT: 19.14 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BM000543.D
Acq: 18 Feb 2015 17:44

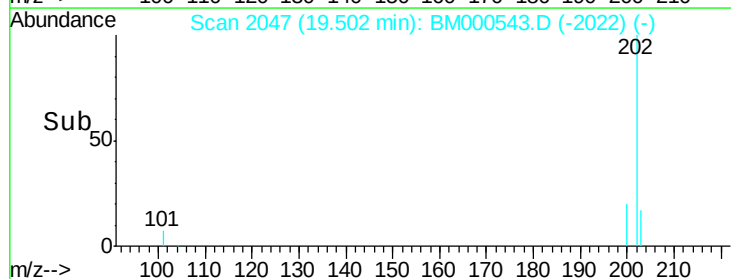
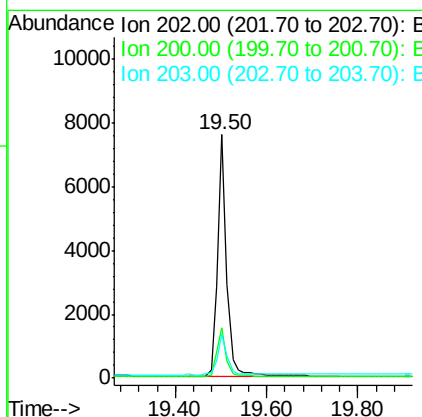
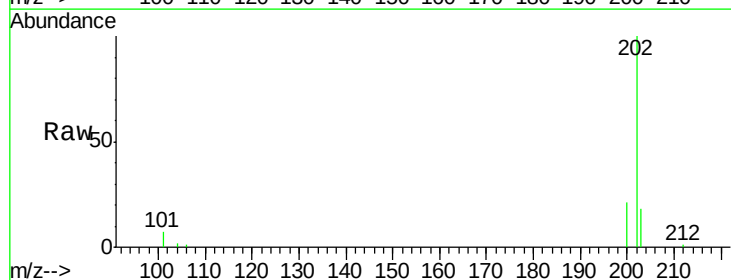
Instrument :
BNA_M
ClientSampleId :
SSTD0.215

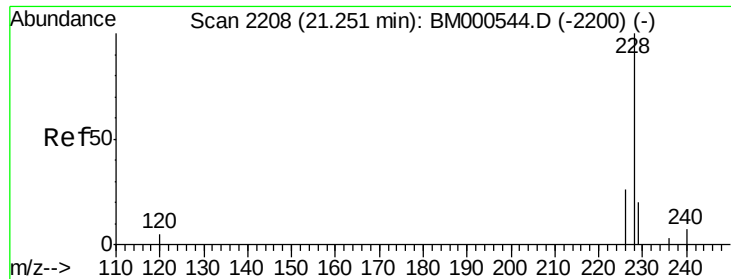
Tgt Ion:202 Resp: 10495
Ion Ratio Lower Upper
202 100
101 6.7 0.0 25.4
203 18.3 0.0 38.6



#17
Pyrene
Concen: 0.23 ng/ul
RT: 19.50 min Scan# 2047
Delta R.T. -0.00 min
Lab File: BM000543.D
Acq: 18 Feb 2015 17:44

Tgt Ion:202 Resp: 10724
Ion Ratio Lower Upper
202 100
200 20.6 16.0 24.0
203 18.3 14.4 21.6





#18

Benzo(a)anthracene

Concen: 0.22 ng/ul

RT: 21.25 min Scan# 2208

Delta R.T. -0.00 min

Lab File: BM000543.D

Acq: 18 Feb 2015 17:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.215

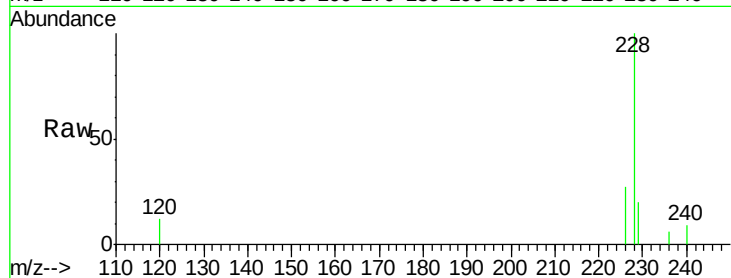
Tgt Ion:228 Resp: 7441

Ion Ratio Lower Upper

228 100

226 27.4 21.2 31.8

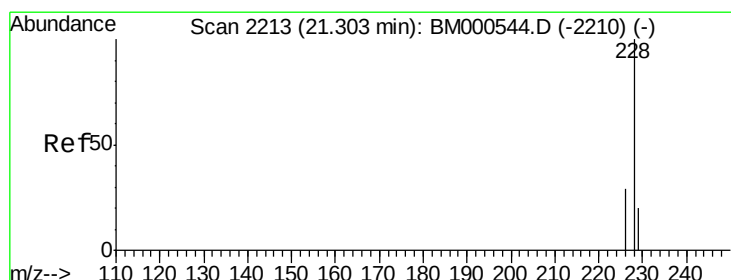
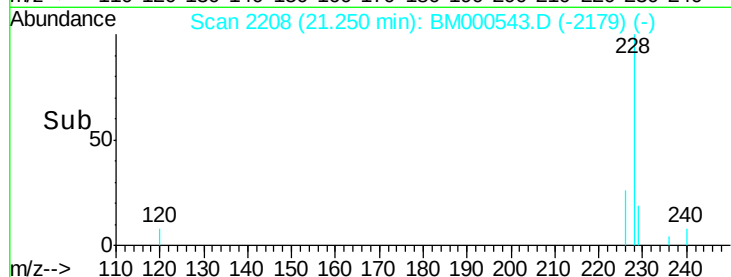
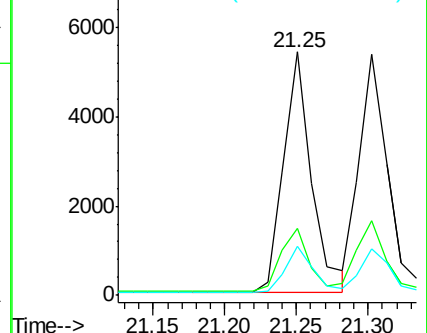
229 20.3 16.4 24.6



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: 0.20 ng/ul

RT: 21.30 min Scan# 2213

Delta R.T. -0.00 min

Lab File: BM000543.D

Acq: 18 Feb 2015 17:44

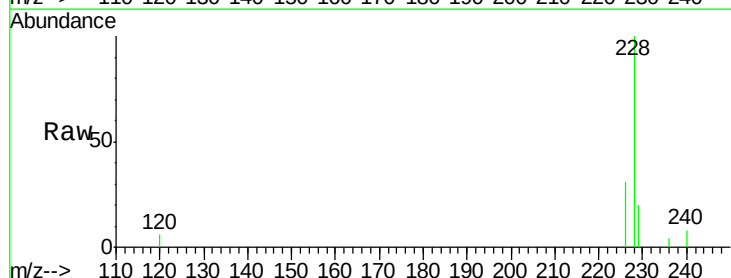
Tgt Ion:228 Resp: 7957

Ion Ratio Lower Upper

228 100

226 31.1 23.1 34.7

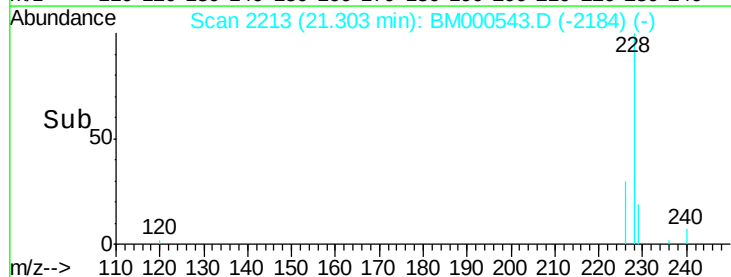
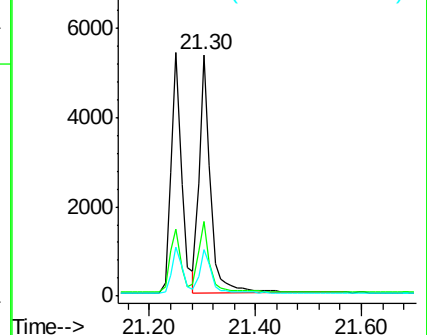
229 19.5 16.3 24.5

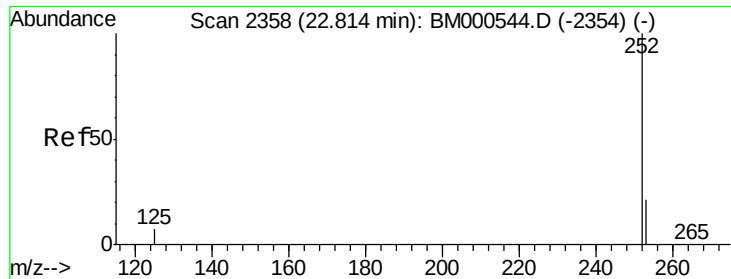


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.20 ng/ul

RT: 22.81 min Scan# 2358

Delta R.T. -0.00 min

Lab File: BM000543.D

Acq: 18 Feb 2015 17:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.215

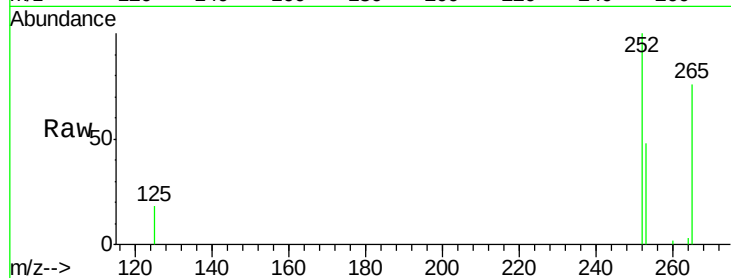
Tgt Ion:252 Resp: 5762

Ion Ratio Lower Upper

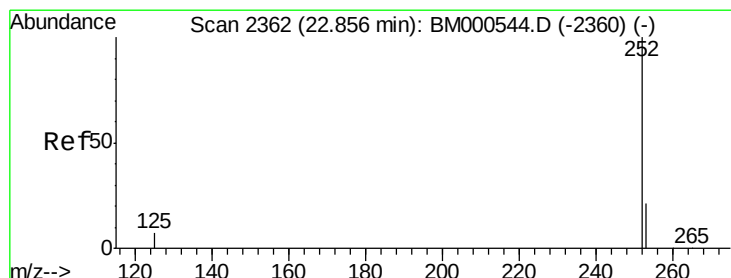
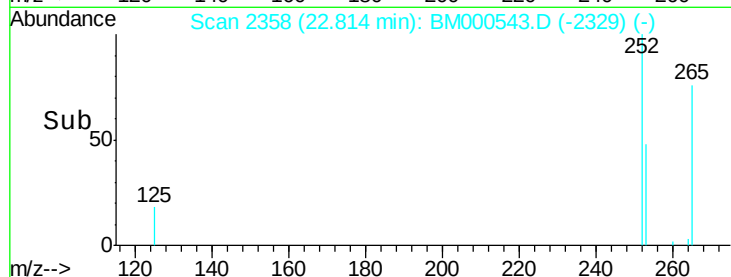
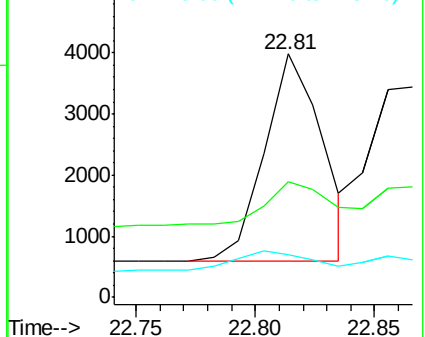
252 100

253 47.6 0.0 69.8

125 17.7 0.0 25.6



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: 0.20 ng/ul

RT: 22.87 min Scan# 2363

Delta R.T. 0.01 min

Lab File: BM000543.D

Acq: 18 Feb 2015 17:44

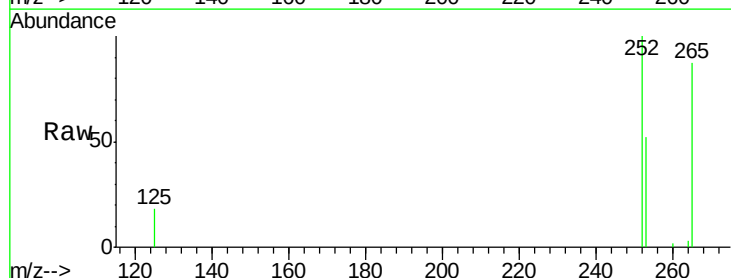
Tgt Ion:252 Resp: 6008

Ion Ratio Lower Upper

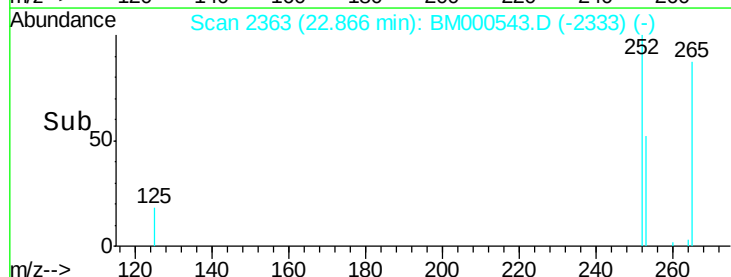
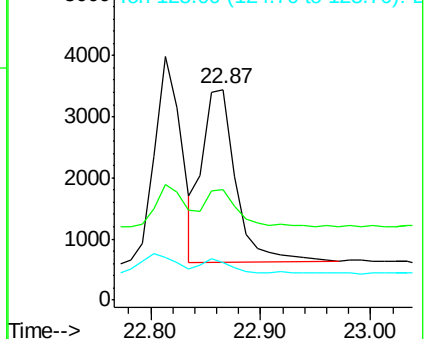
252 100

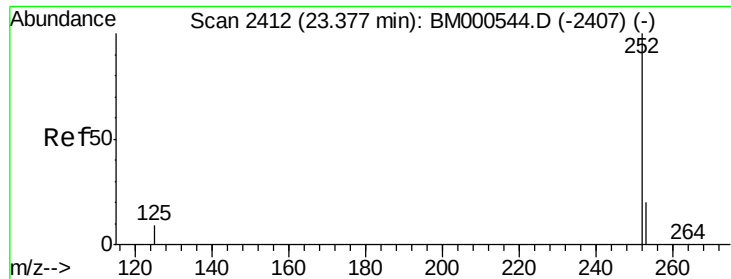
253 52.5 29.2 43.8#

125 18.0 10.8 16.2#



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: 23.39 min Scan# 2413

Delta R.T. 0.01 min

Lab File: BM000543.D

Acq: 18 Feb 2015 17:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.215

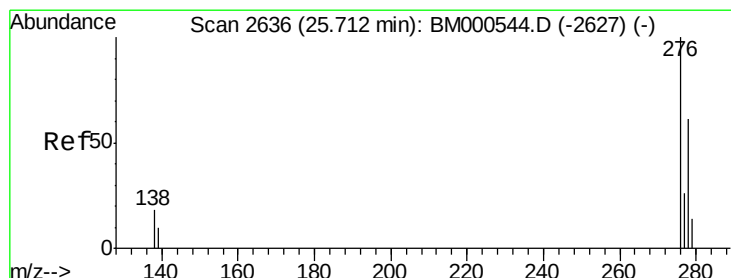
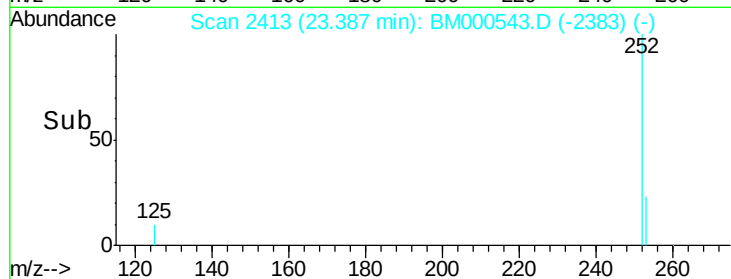
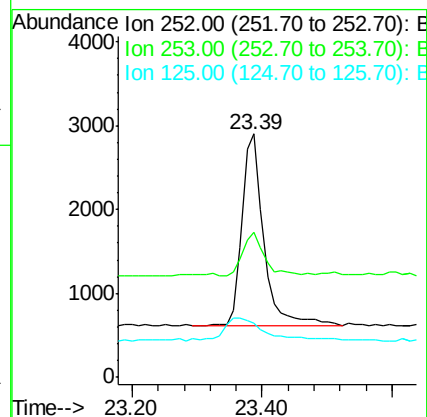
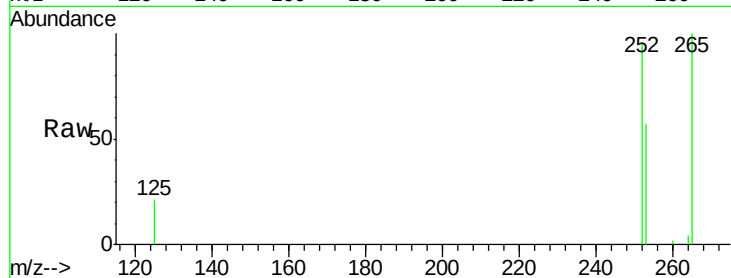
Tgt Ion:252 Resp: 5388

Ion Ratio Lower Upper

252 100

253 59.5 32.7 49.1#

125 22.3 13.3 19.9#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.18 ng/ul

RT: 25.71 min Scan# 2636

Delta R.T. -0.00 min

Lab File: BM000543.D

Acq: 18 Feb 2015 17:44

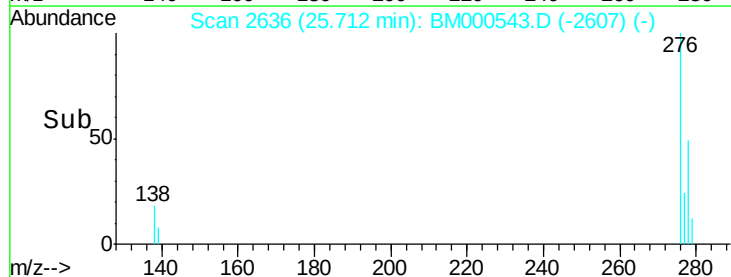
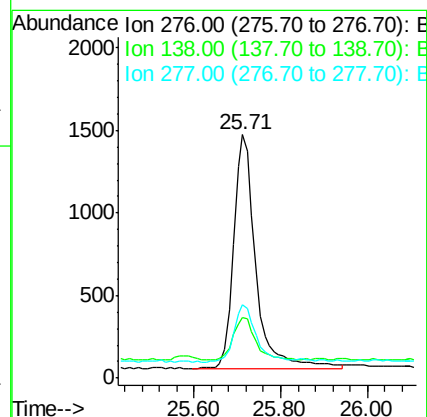
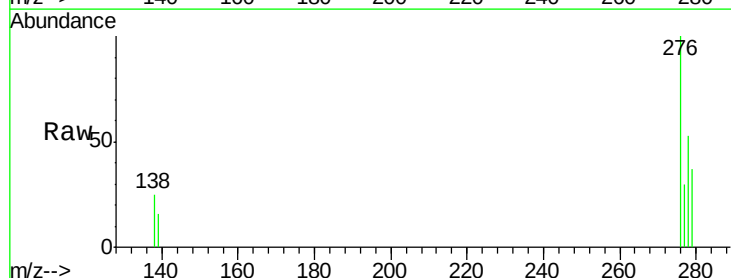
Tgt Ion:276 Resp: 5019

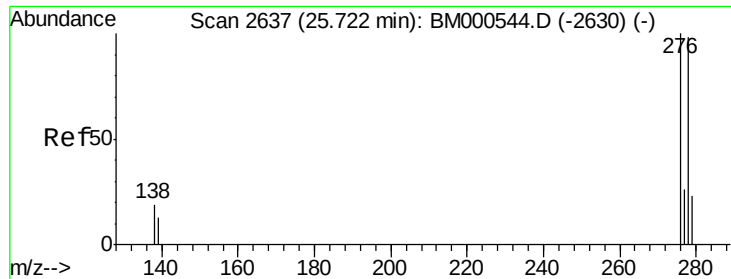
Ion Ratio Lower Upper

276 100

138 18.1 14.9 22.3

277 25.0 19.9 29.9





#25

Dibenzo(a,h)anthracene

Concen: 0.18 ng/ul

RT: 25.73 min Scan# 2638

Delta R.T. 0.01 min

Lab File: BM000543.D

Acq: 18 Feb 2015 17:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.215

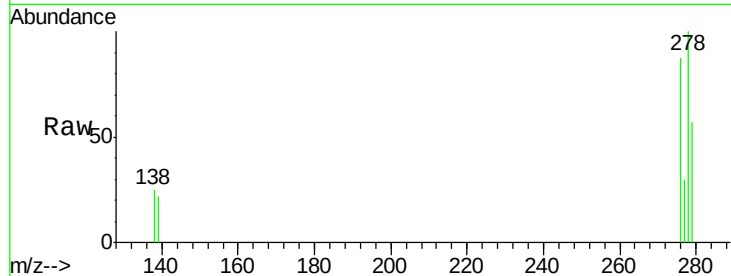
Tgt Ion:278 Resp: 3897

Ion Ratio Lower Upper

278 100

139 21.9 14.2 21.2#

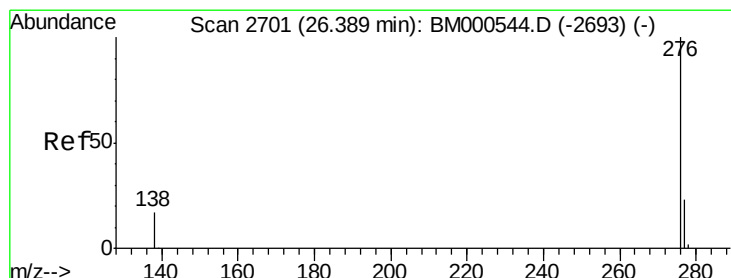
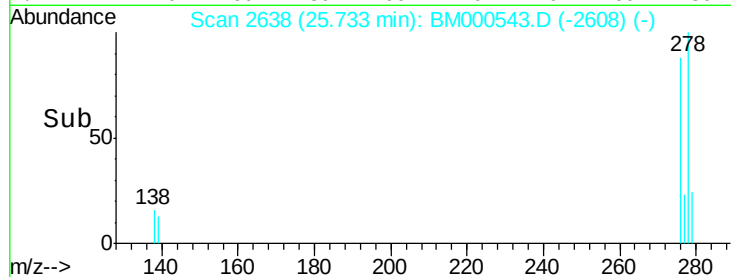
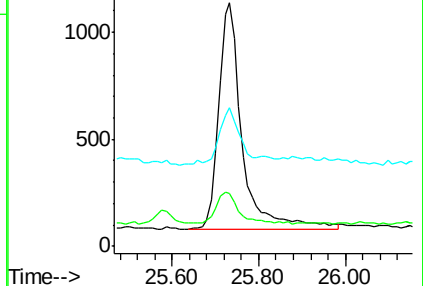
279 56.7 31.5 47.3#



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: 0.18 ng/ul

RT: 26.39 min Scan# 2701

Delta R.T. -0.00 min

Lab File: BM000543.D

Acq: 18 Feb 2015 17:44

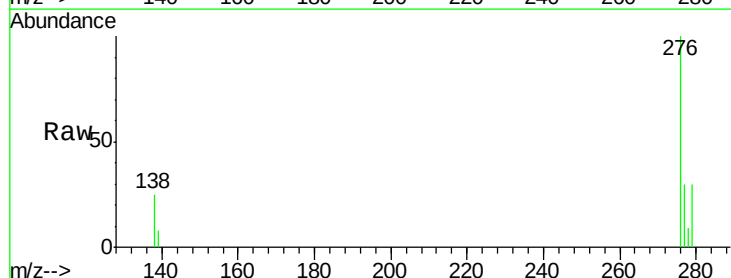
Tgt Ion:276 Resp: 4371

Ion Ratio Lower Upper

276 100

277 30.1 21.4 32.2

138 25.1 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

