

Data Path : S:\HPCHEM1\BNA_M\Data\BM021915\
 Data File : BM000552.D
 Acq On : 19 Feb 2015 15:00
 Operator : TP/IZ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.421

Quant Time: Feb 19 16:58:54 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 10:41:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	3388	0.40	ng/ul	0.00
2) Naphthalene-d8	10.47	136	11933	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.32	164	7306	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	16569	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	11016	0.40	ng/ul	-0.01
20) Perylene-d12	23.48	264	7444	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.06	152	5847	0.37	ng/ul	-0.01
14) Fluoranthene-d10	19.10	212	12408	0.35	ng/ul	-0.01

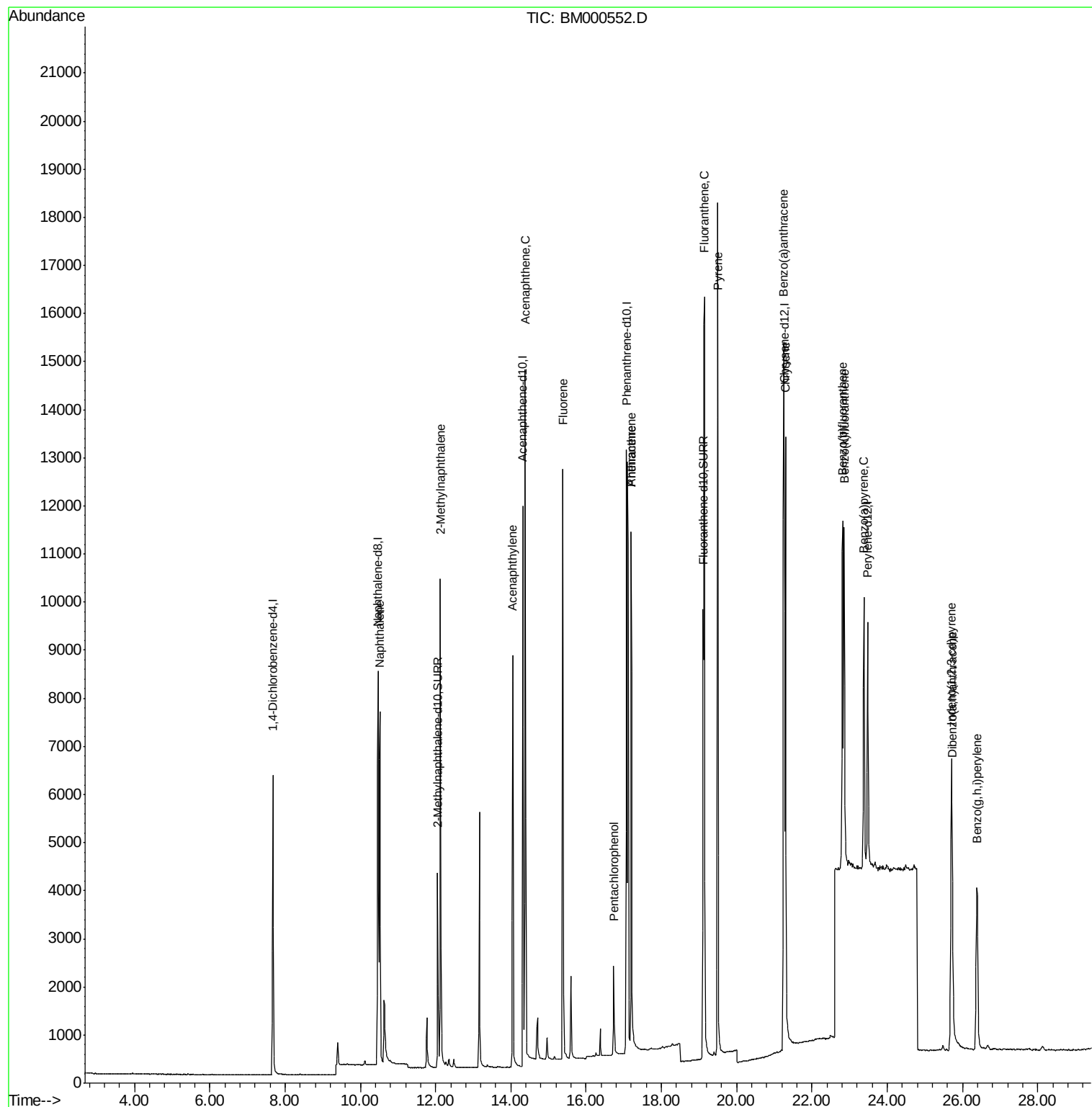
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.51	128	10990	0.37	ng/ul	99
5) 2-Methylnaphthalene	12.13	142	7742	0.36	ng/ul	99
7) Acenaphthylene	14.04	152	11498	0.38	ng/ul	96
8) Acenaphthene	14.38	153	8700	0.37	ng/ul	95
9) Fluorene	15.39	166	10692	0.37	ng/ul	95
11) Pentachlorophenol	16.73	266	1491	0.32	ng/ul	92
12) Phenanthrene	17.19	178	15169	0.32	ng/ul	93
13) Anthracene	17.19	178	15533	0.35	ng/ul#	91
15) Fluoranthene	19.14	202	18791	0.35	ng/ul	99
17) Pyrene	19.50	202	19088	0.38	ng/ul	98
18) Benzo(a)anthracene	21.25	228	12744	0.37	ng/ul	96
19) Chrysene	21.30	228	13883	0.37	ng/ul	98
21) Benzo(b)fluoranthene	22.81	252	10722	0.39	ng/ul	98
22) Benzo(k)fluoranthene	22.86	252	9809	0.36	ng/ul	96
23) Benzo(a)pyrene	23.38	252	9153	0.37	ng/ul	94
24) Indeno(1,2,3-cd)pyrene	25.70	276	9050	0.39	ng/ul	98
25) Dibenzo(a,h)anthracene	25.72	278	7099	0.38	ng/ul	95
26) Benzo(g,h,i)perylene	26.38	276	7820	0.39	ng/ul	99

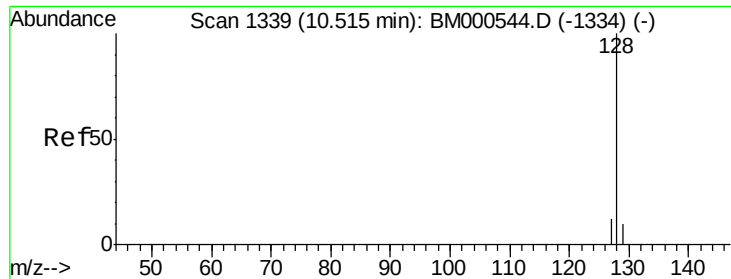
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.37 ng/ul

RT: 10.51 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BM000552.D

Acq: 19 Feb 2015 15:00

Instrument :

BNA_M

ClientSampleId :

SSTD0.421

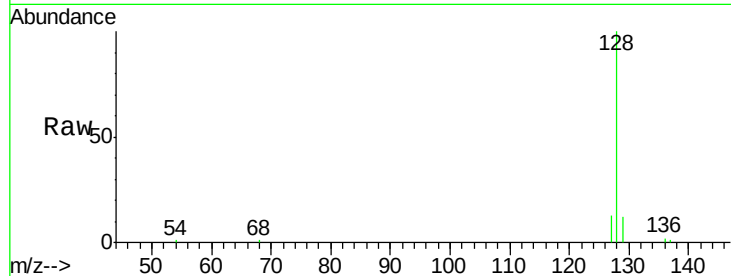
Tgt Ion:128 Resp: 10990

Ion Ratio Lower Upper

128 100

129 12.0 9.0 13.6

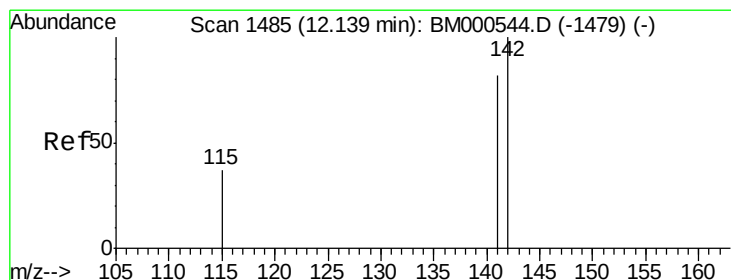
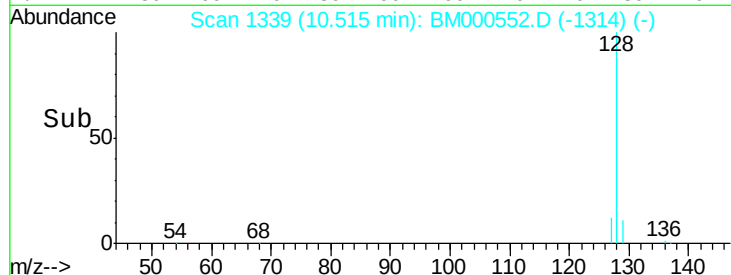
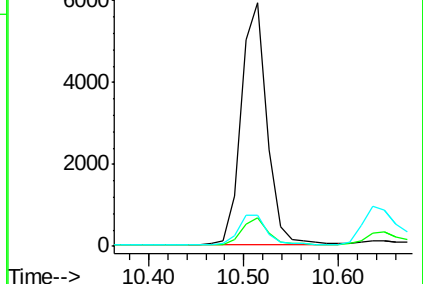
127 12.8 10.6 15.8



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



#5

2-Methylnaphthalene

Concen: 0.36 ng/ul

RT: 12.13 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BM000552.D

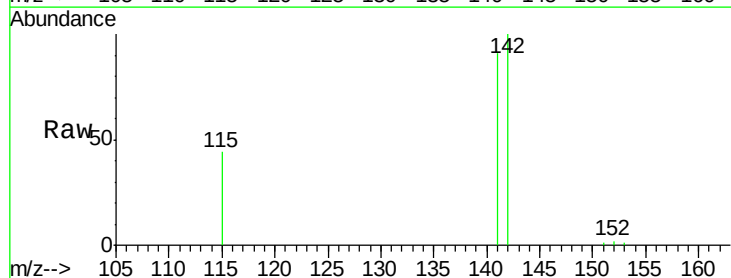
Acq: 19 Feb 2015 15:00

Tgt Ion:142 Resp: 7742

Ion Ratio Lower Upper

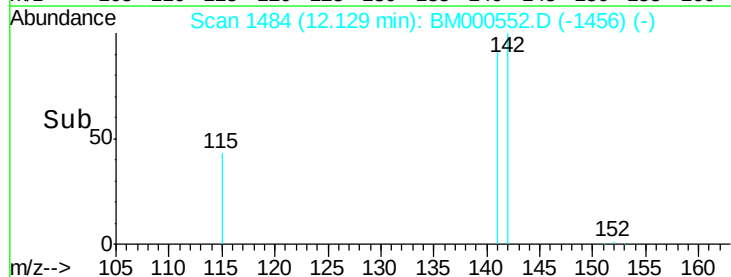
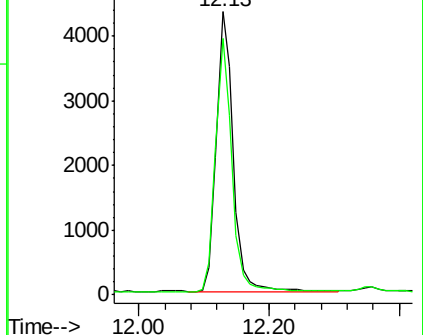
142 100

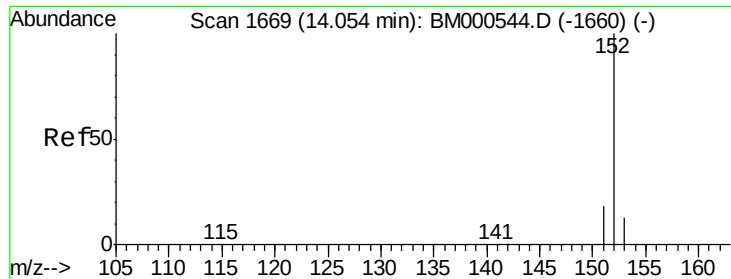
141 88.9 70.4 105.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.38 ng/ul

RT: 14.04 min Scan# 1668

Delta R.T. -0.01 min

Lab File: BM000552.D

Acq: 19 Feb 2015 15:00

Instrument :

BNA_M

ClientSampleId :

SSTD0.421

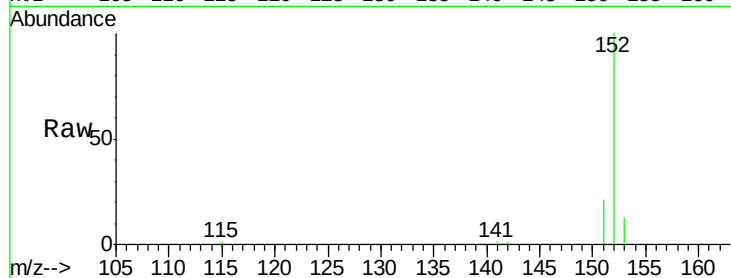
Tgt Ion:152 Resp: 11498

Ion Ratio Lower Upper

152 100

151 21.2 15.0 22.4

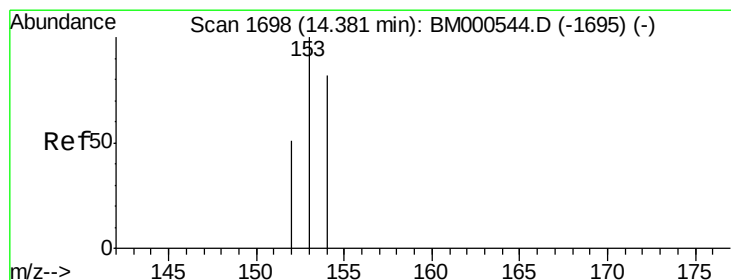
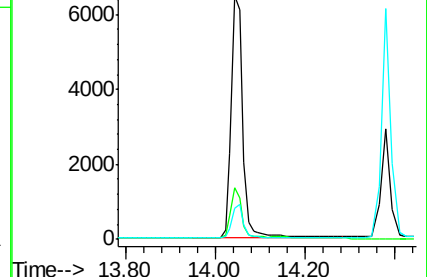
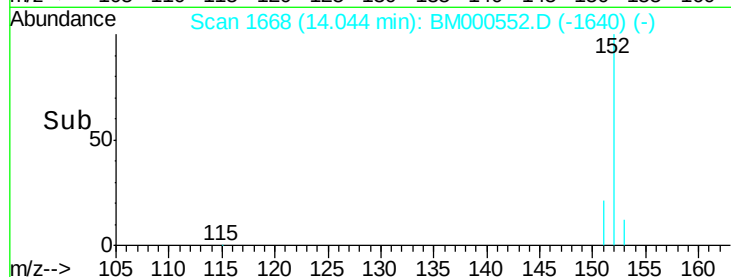
153 12.9 11.2 16.8



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: 0.37 ng/ul

RT: 14.38 min Scan# 1698

Delta R.T. -0.00 min

Lab File: BM000552.D

Acq: 19 Feb 2015 15:00

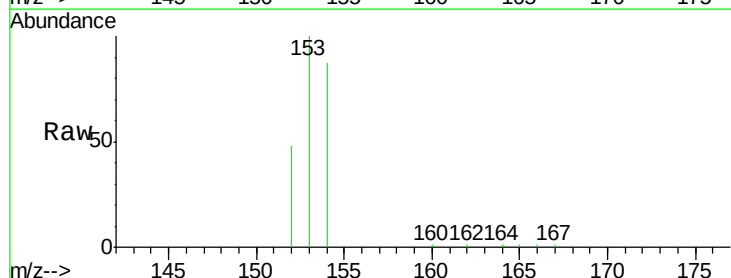
Tgt Ion:153 Resp: 8700

Ion Ratio Lower Upper

153 100

152 48.1 41.2 61.8

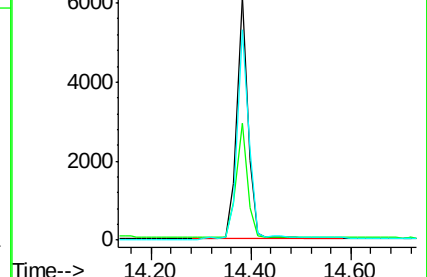
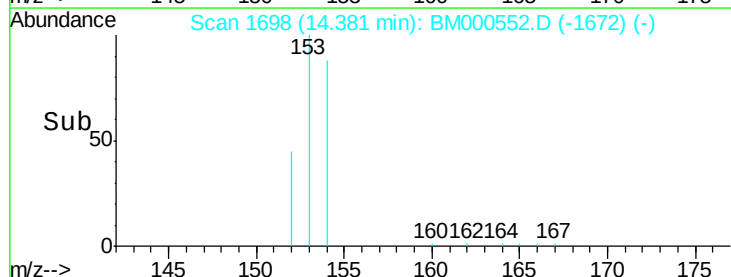
154 86.6 66.0 99.0

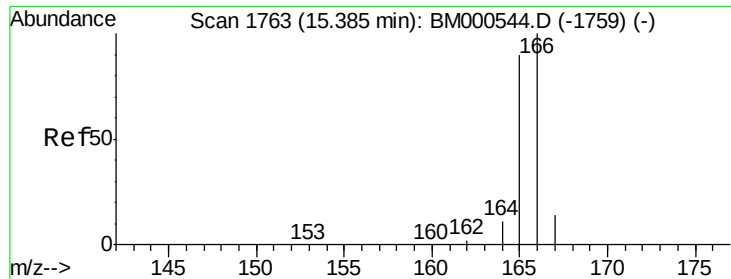


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

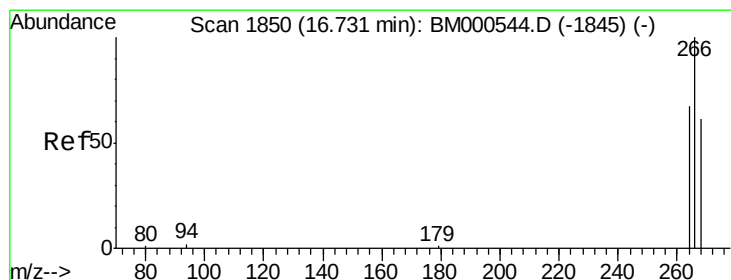
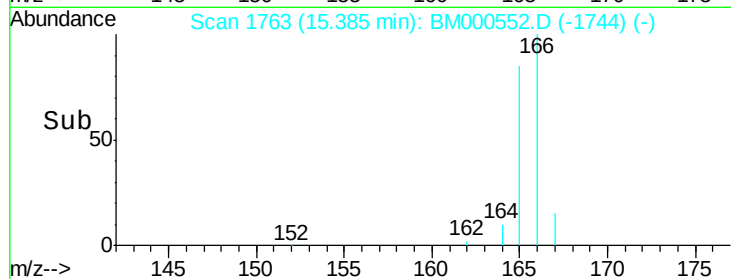
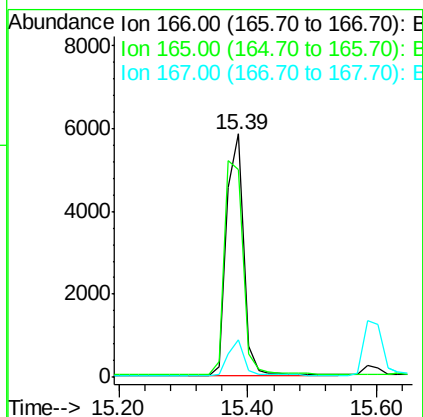
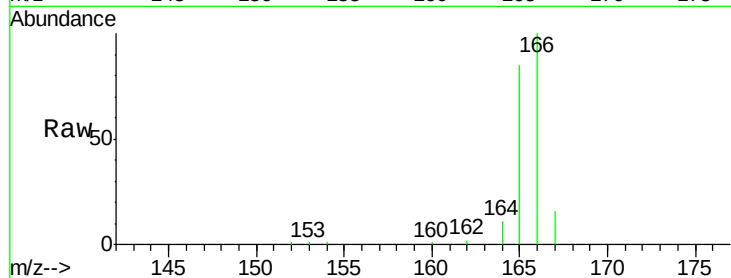




#9
Fluorene
 Concen: 0.37 ng/ul
 RT: 15.39 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: BM000552.D
 Acq: 19 Feb 2015 15:00

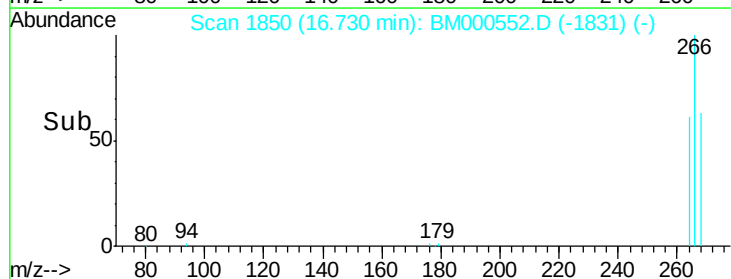
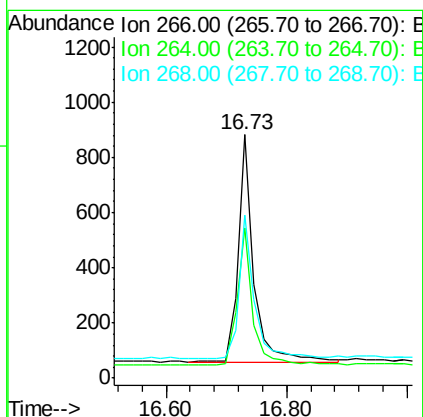
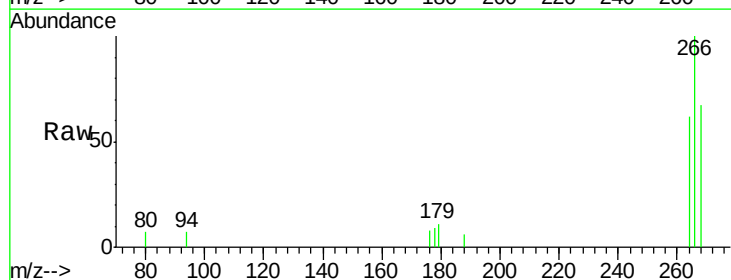
Instrument :
 BNA_M
 ClientSampleId :
 SST0.421

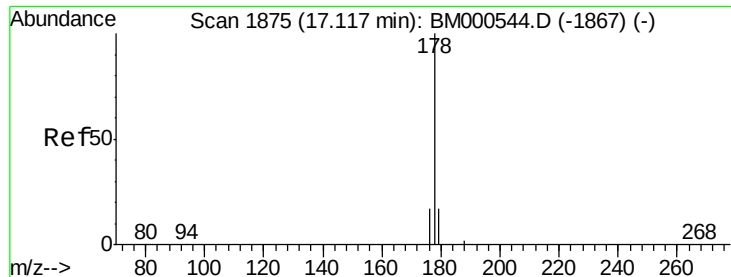
Tgt Ion:166 Resp: 10692
 Ion Ratio Lower Upper
 166 100
 165 85.3 72.3 108.5
 167 15.6 11.9 17.9



#11
Pentachlorophenol
 Concen: 0.32 ng/ul
 RT: 16.73 min Scan# 1850
 Delta R.T. -0.00 min
 Lab File: BM000552.D
 Acq: 19 Feb 2015 15:00

Tgt Ion:266 Resp: 1491
 Ion Ratio Lower Upper
 266 100
 264 59.6 51.8 77.6
 268 61.6 55.4 83.0

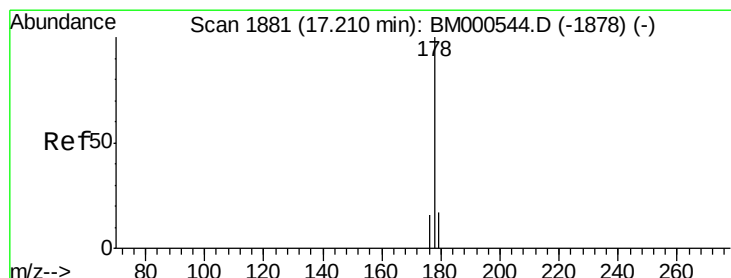
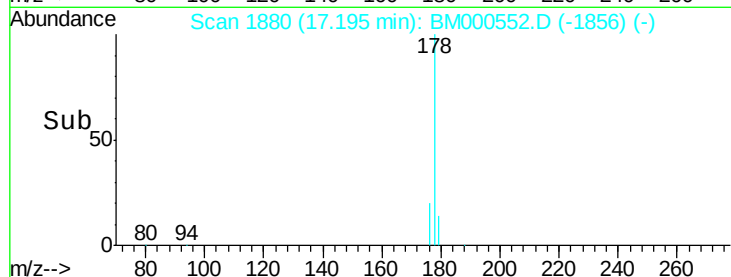
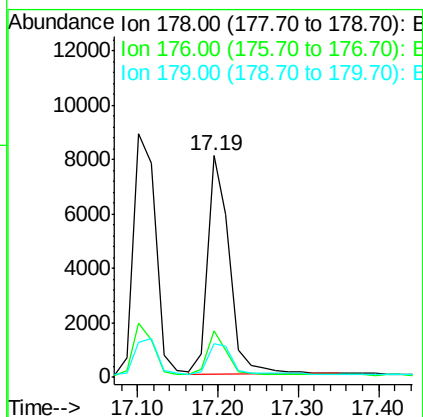
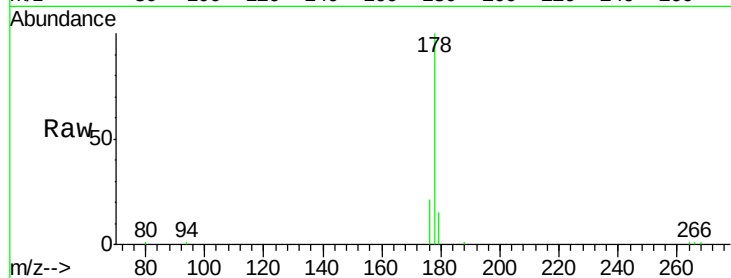




#12
Phenanthrene
Concen: 0.32 ng/ul
RT: 17.19 min Scan# 1880
Delta R.T. 0.08 min
Lab File: BM000552.D
Acq: 19 Feb 2015 15:00

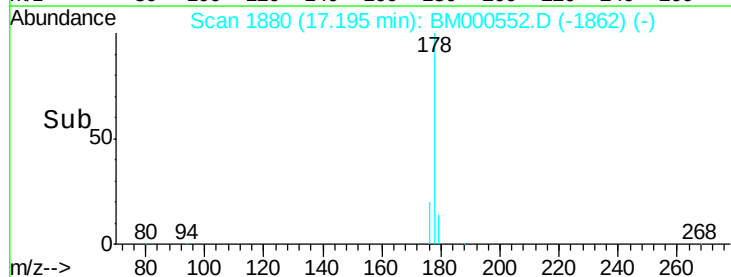
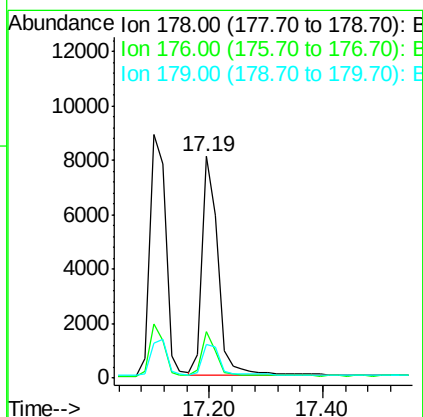
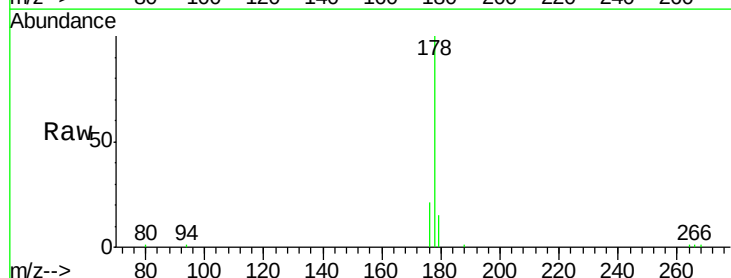
Instrument :
BNA_M
ClientSampleId :
SSTD0.421

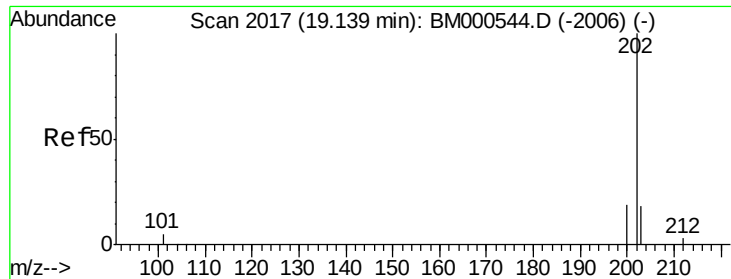
Tgt Ion:178 Resp: 15169
Ion Ratio Lower Upper
178 100
176 21.0 14.1 21.1
179 15.0 14.4 21.6



#13
Anthracene
Concen: 0.35 ng/ul
RT: 17.19 min Scan# 1880
Delta R.T. -0.02 min
Lab File: BM000552.D
Acq: 19 Feb 2015 15:00

Tgt Ion:178 Resp: 15533
Ion Ratio Lower Upper
178 100
176 21.0 13.6 20.4#
179 15.0 14.9 22.3

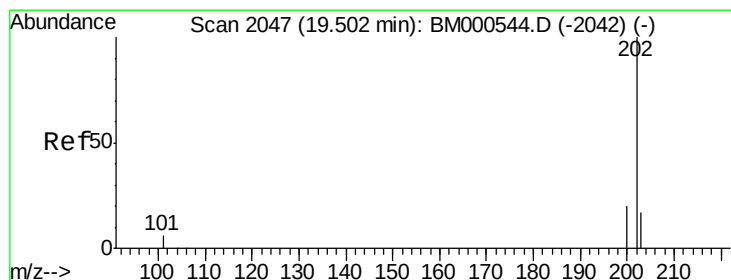
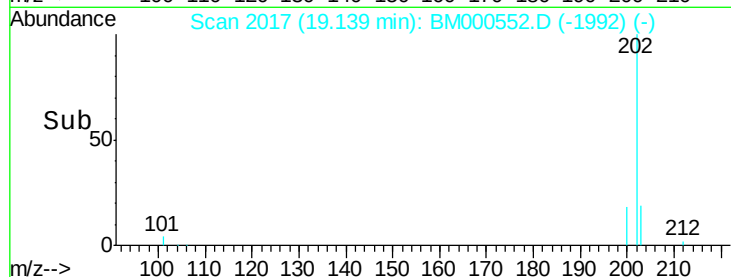
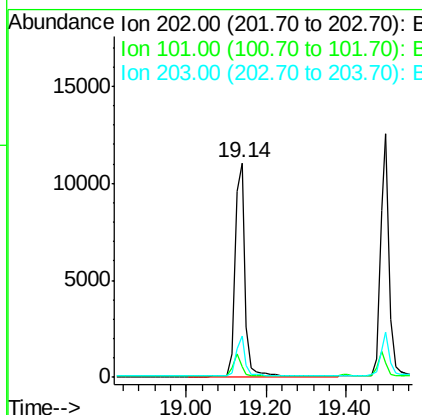
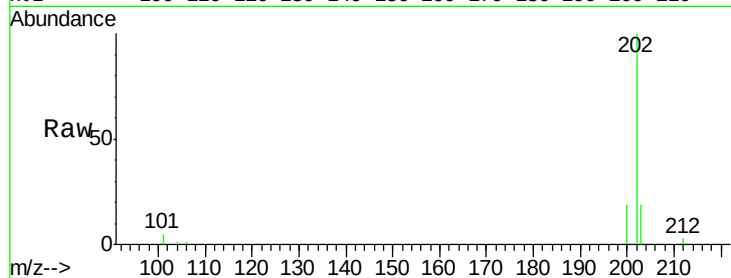




#15
Fluoranthene
Concen: 0.35 ng/ul
RT: 19.14 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BM000552.D
Acq: 19 Feb 2015 15:00

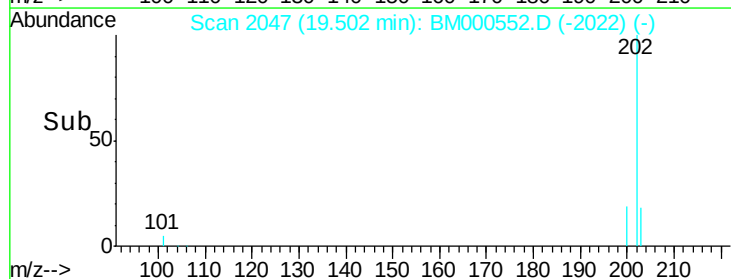
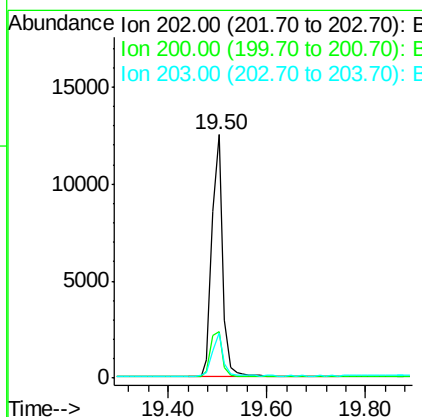
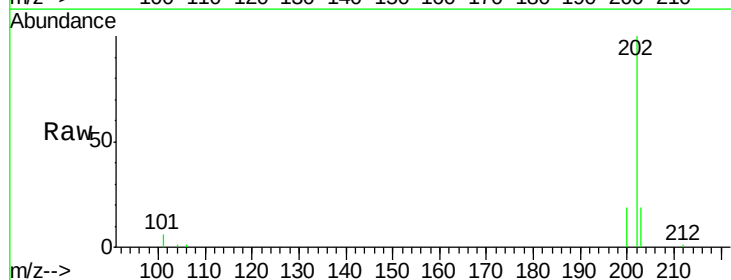
Instrument :
BNA_M
ClientSampleId :
SSTD0.421

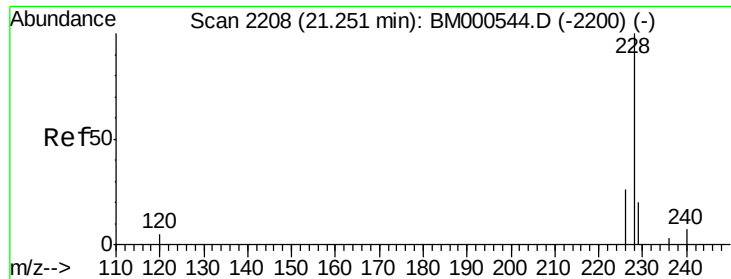
Tgt Ion:202 Resp: 18791
Ion Ratio Lower Upper
202 100
101 4.9 0.0 25.4
203 19.3 0.0 38.6



#17
Pyrene
Concen: 0.38 ng/ul
RT: 19.50 min Scan# 2047
Delta R.T. -0.00 min
Lab File: BM000552.D
Acq: 19 Feb 2015 15:00

Tgt Ion:202 Resp: 19088
Ion Ratio Lower Upper
202 100
200 19.2 16.0 24.0
203 18.5 14.4 21.6





#18

Benzo(a)anthracene

Concen: 0.37 ng/ul

RT: 21.25 min Scan# 2208

Delta R.T. -0.00 min

Lab File: BM000552.D

Acq: 19 Feb 2015 15:00

Instrument :

BNA_M

ClientSampleId :

SSTD0.421

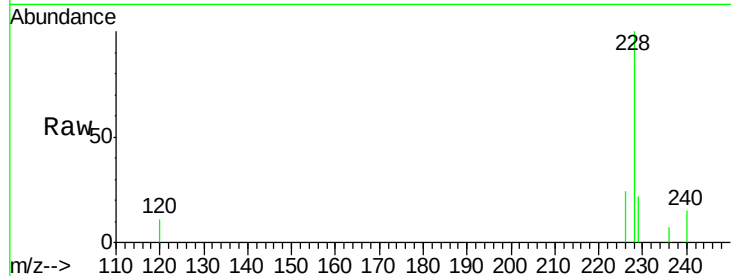
Tgt Ion:228 Resp: 12744

Ion Ratio Lower Upper

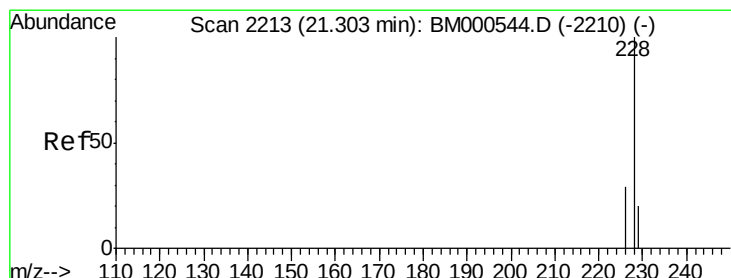
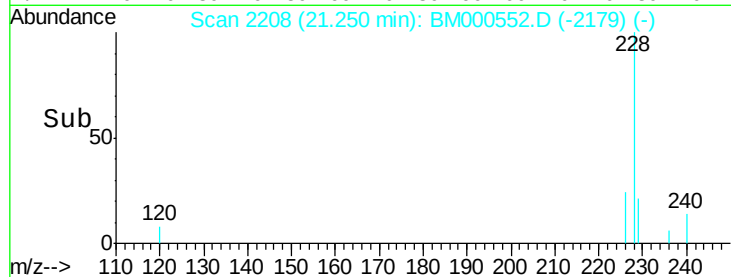
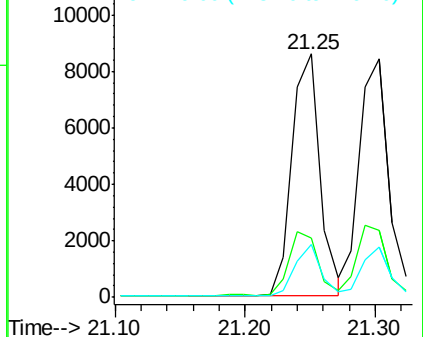
228 100

226 24.3 21.2 31.8

229 21.7 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: 0.37 ng/ul

RT: 21.30 min Scan# 2213

Delta R.T. -0.00 min

Lab File: BM000552.D

Acq: 19 Feb 2015 15:00

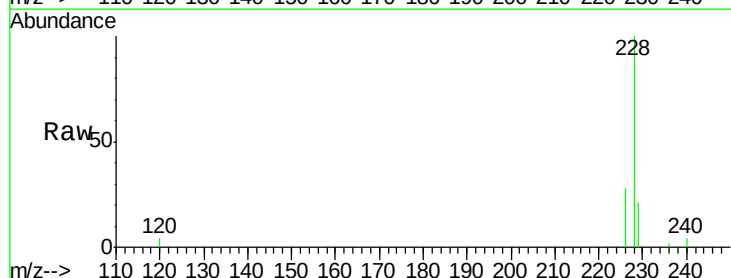
Tgt Ion:228 Resp: 13883

Ion Ratio Lower Upper

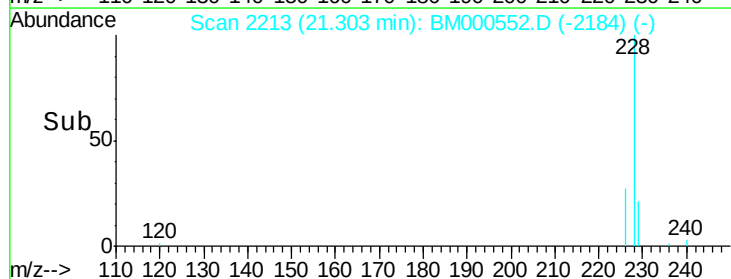
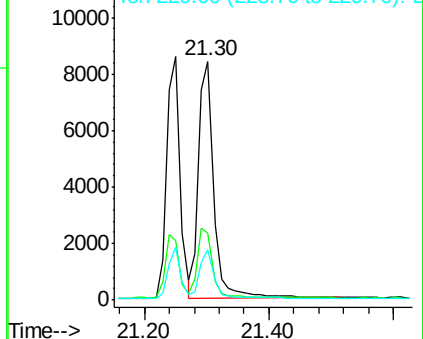
228 100

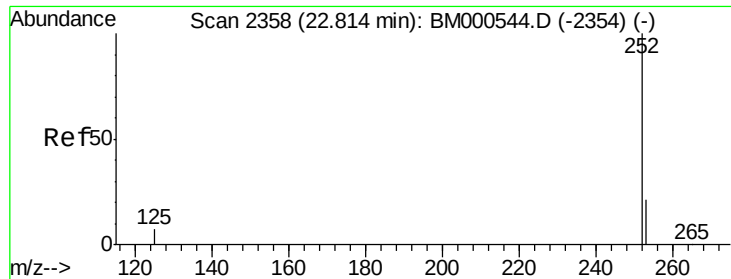
226 28.0 23.1 34.7

229 21.2 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: 0.39 ng/uI

RT: 22.81 min Scan# 2358

Delta R.T. -0.00 min

Lab File: BM000552.D

Acq: 19 Feb 2015 15:00

Instrument :

BNA_M

ClientSampleId :

SSTD0.421

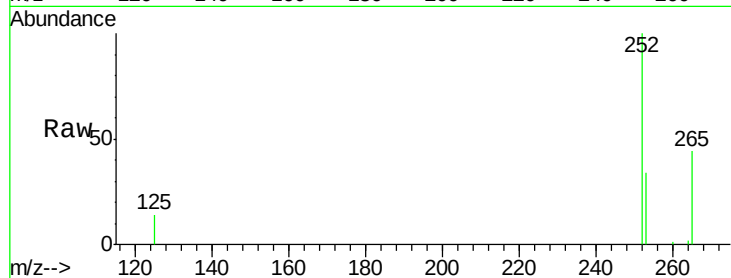
Tgt Ion:252 Resp: 10722

Ion Ratio Lower Upper

252 100

253 34.1 0.0 69.8

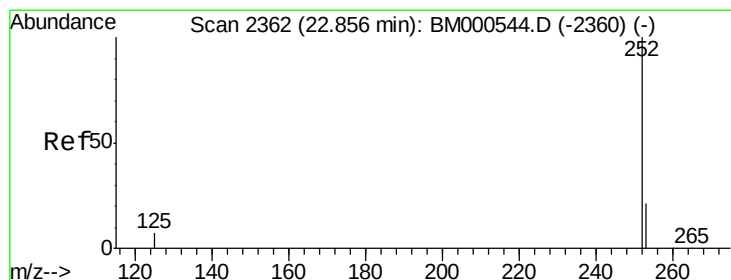
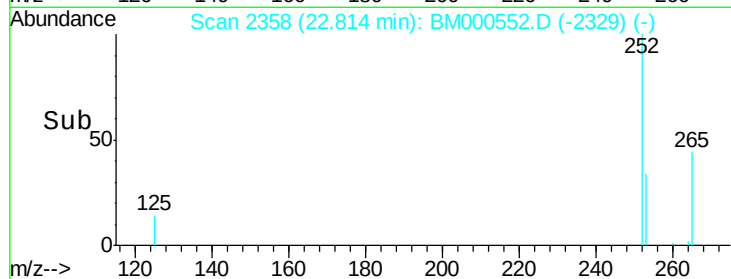
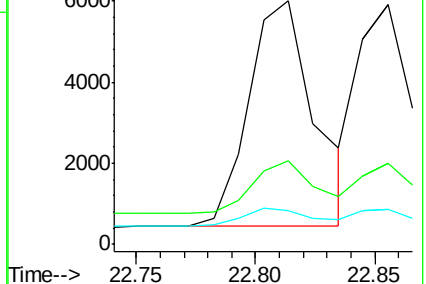
125 14.0 0.0 25.6



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: 0.36 ng/uI

RT: 22.86 min Scan# 2362

Delta R.T. -0.00 min

Lab File: BM000552.D

Acq: 19 Feb 2015 15:00

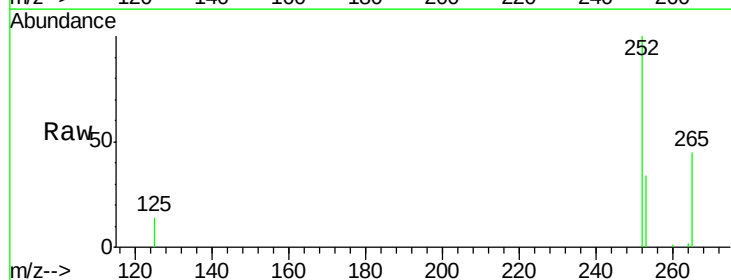
Tgt Ion:252 Resp: 9809

Ion Ratio Lower Upper

252 100

253 33.8 29.2 43.8

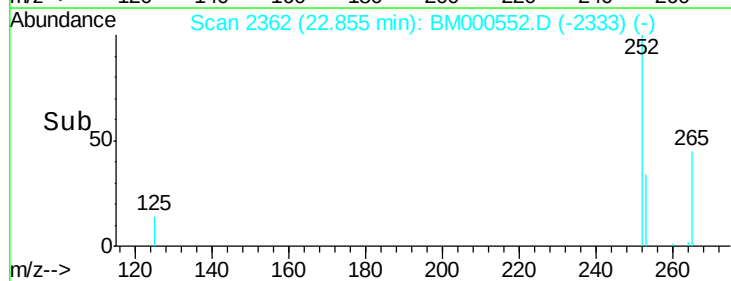
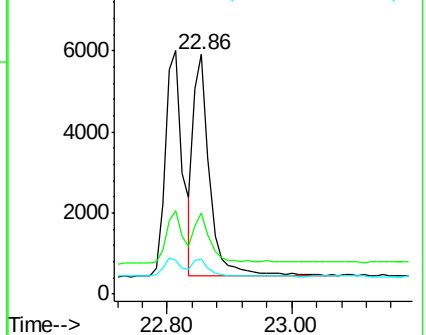
125 14.4 10.8 16.2

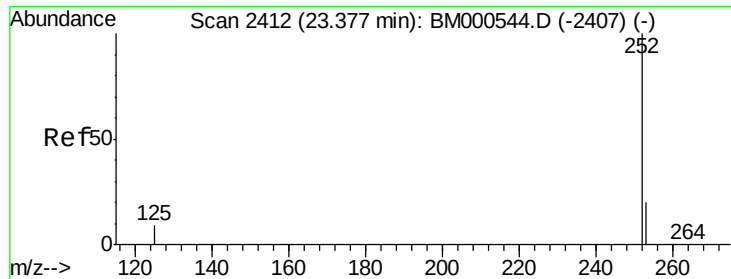


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.37 ng/ul

RT: 23.38 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BM000552.D

Acq: 19 Feb 2015 15:00

Instrument :

BNA_M

ClientSampleId :

SSTD0.421

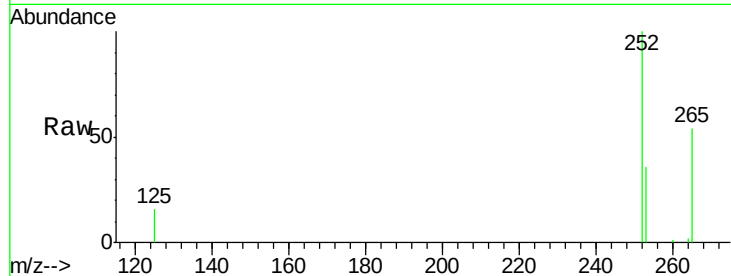
Tgt Ion:252 Resp: 9153

Ion Ratio Lower Upper

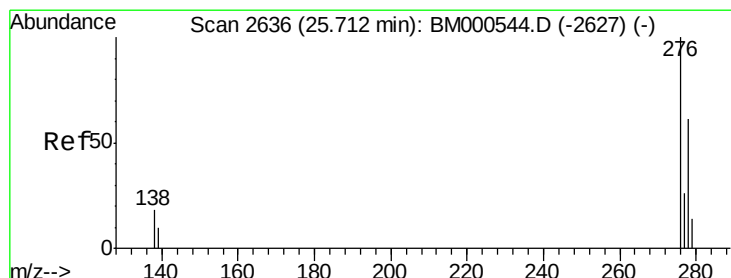
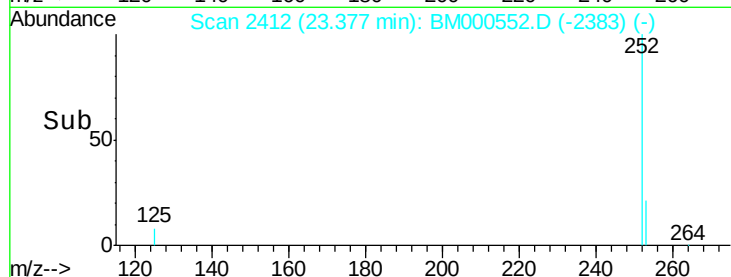
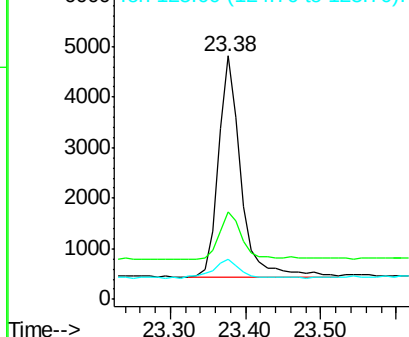
252 100

253 35.7 32.7 49.1

125 16.5 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: 0.39 ng/ul

RT: 25.70 min Scan# 2635

Delta R.T. -0.01 min

Lab File: BM000552.D

Acq: 19 Feb 2015 15:00

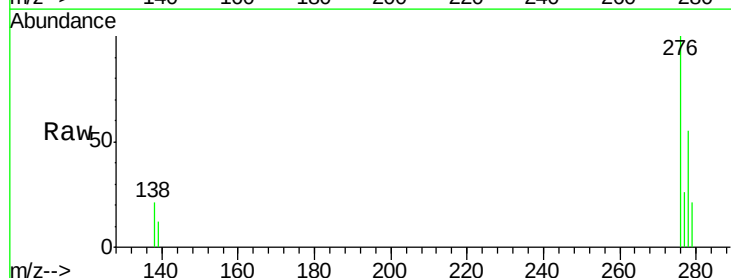
Tgt Ion:276 Resp: 9050

Ion Ratio Lower Upper

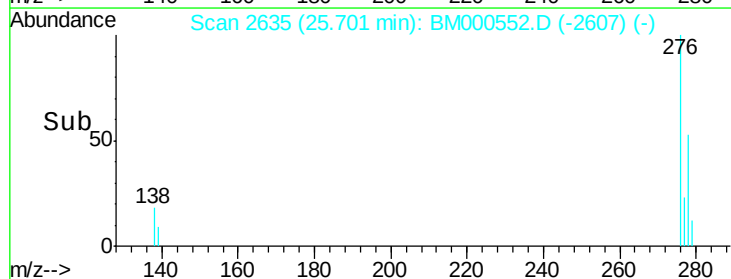
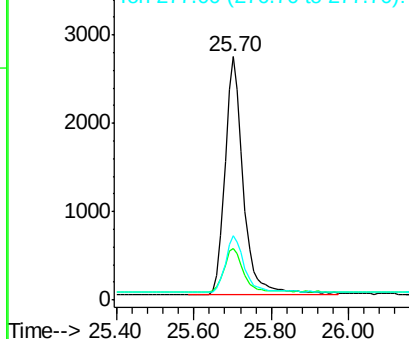
276 100

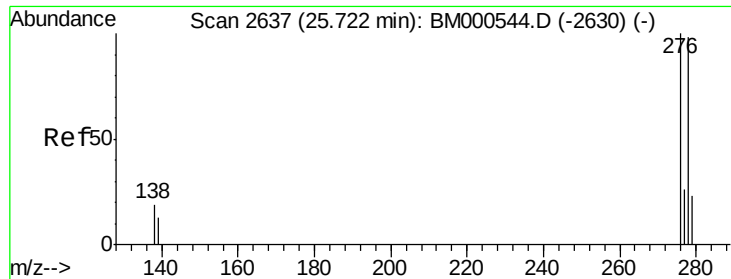
138 19.9 14.9 22.3

277 24.1 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: 0.38 ng/ul

RT: 25.72 min Scan# 2637

Delta R.T. -0.00 min

Lab File: BM000552.D

Acq: 19 Feb 2015 15:00

Instrument :

BNA_M

ClientSampleId :

SSTD0.421

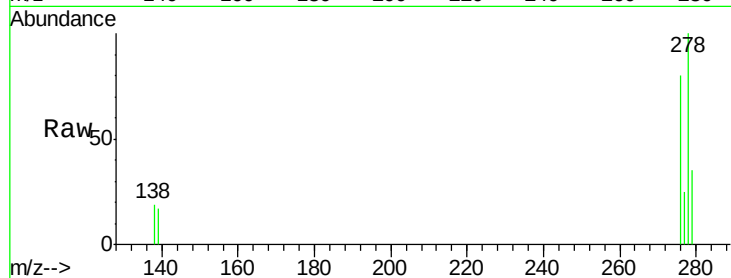
Tgt Ion:278 Resp: 7099

Ion Ratio Lower Upper

278 100

139 17.0 14.2 21.2

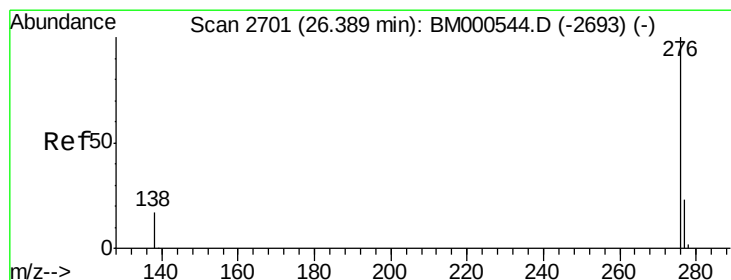
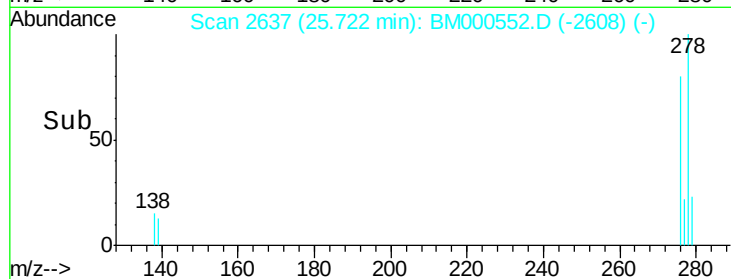
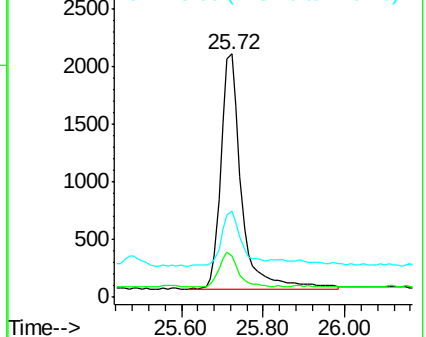
279 35.1 31.5 47.3



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: 0.39 ng/ul

RT: 26.38 min Scan# 2700

Delta R.T. -0.01 min

Lab File: BM000552.D

Acq: 19 Feb 2015 15:00

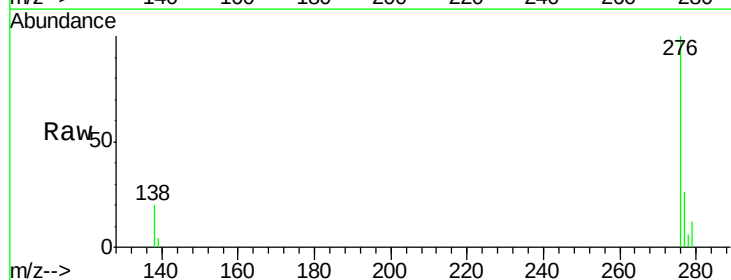
Tgt Ion:276 Resp: 7820

Ion Ratio Lower Upper

276 100

277 26.5 21.4 32.2

138 20.5 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

