

Data Path : Z:\HPCHEM1\BNA_M\Data\BM021715\
 Data File : BM000537.D
 Acq On : 17 Feb 2015 12:13
 Operator : TP/IZ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC0.4

Quant Time: Feb 18 03:50:53 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM021215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 12 16:45:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	2940	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.47	136	9614	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.34	164	5448	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	10557	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	8936	0.40	ng/ul	-0.02
20) Perylene-d12	23.49	264	7803	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.07	152	4729	0.39	ng/ul	-0.02
14) Fluoranthene-d10	19.12	212	8744	0.39	ng/ul	-0.01

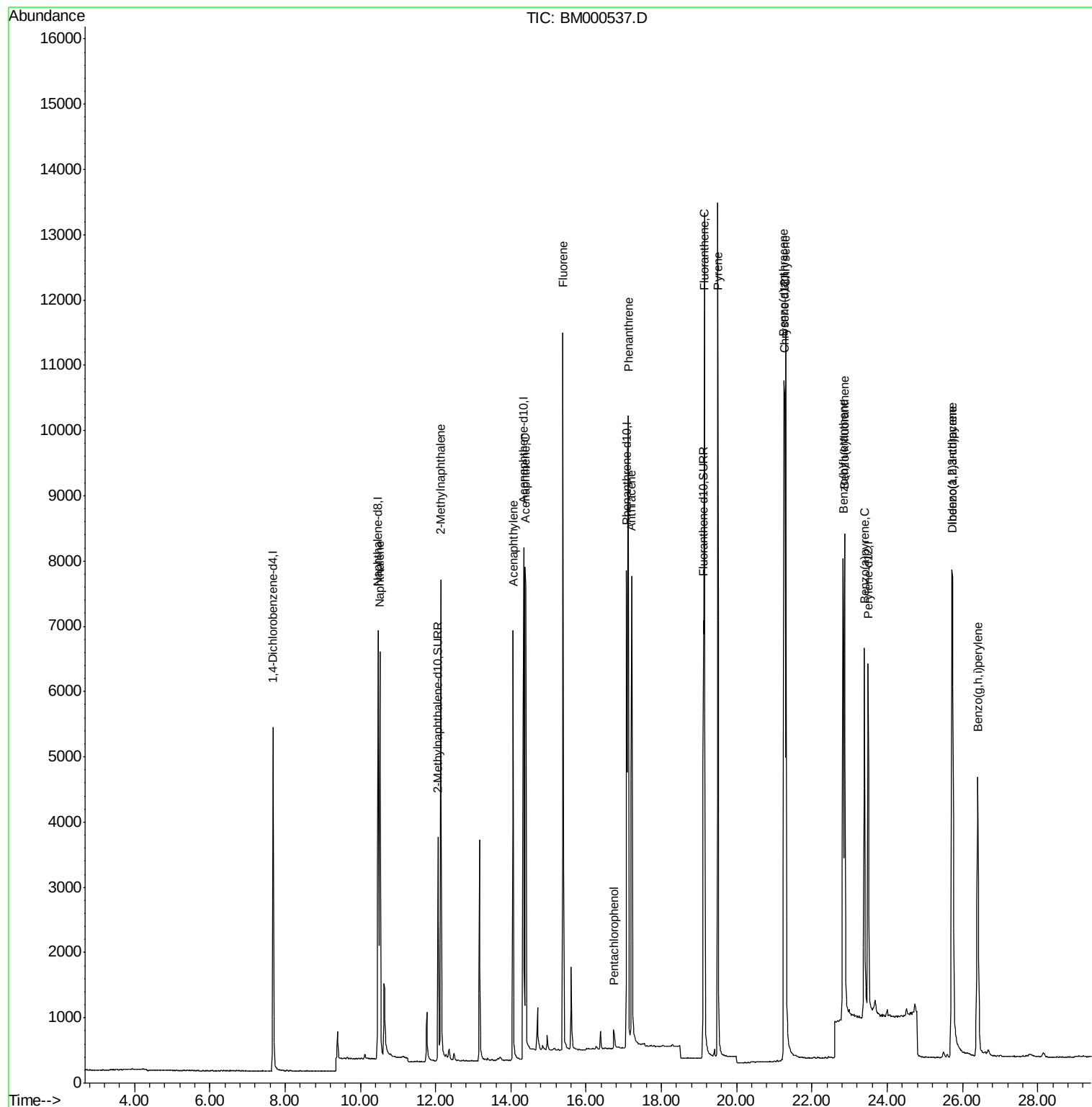
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.51	128	8960	0.40	ng/ul	98
5) 2-Methylnaphthalene	12.14	142	5898	0.39	ng/ul	100
7) Acenaphthylene	14.05	152	7944	0.39	ng/ul	99
8) Acenaphthene	14.38	153	6172	0.39	ng/ul#	80
9) Fluorene	15.39	166	7233	0.38	ng/ul	97
11) Pentachlorophenol	16.73	266	342	0.25	ng/ul#	91
12) Phenanthrene	17.12	178	11233	0.39	ng/ul	98
13) Anthracene	17.21	178	10036	0.39	ng/ul	97
15) Fluoranthene	19.14	202	12345	0.39	ng/ul	95
17) Pyrene	19.50	202	12728	0.40	ng/ul	95
18) Benzo(a)anthracene	21.25	228	9817	0.39	ng/ul	95
19) Chrysene	21.30	228	11459	0.39	ng/ul	94
21) Benzo(b)fluoranthene	22.82	252	10784	0.41	ng/ul	98
22) Benzo(k)fluoranthene	22.87	252	10070	0.38	ng/ul	99
23) Benzo(a)pyrene	23.39	252	9719	0.39	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.72	276	10900	0.40	ng/ul	99
25) Dibenzo(a,h)anthracene	25.73	278	8728	0.40	ng/ul	97
26) Benzo(g,h,i)perylene	26.40	276	9614	0.40	ng/ul	100

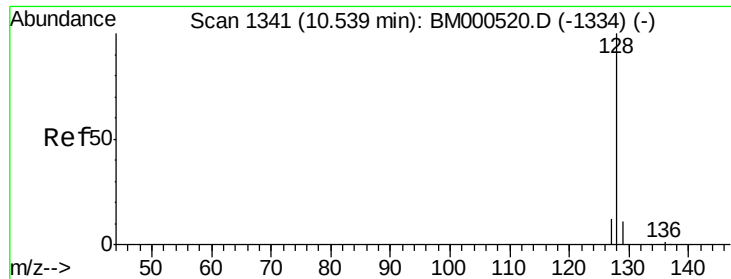
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM021215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 12 16:45:55 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.40 ng/ul

RT: 10.51 min Scan# 1339

Delta R.T. -0.02 min

Lab File: BM000537.D

Acq: 17 Feb 2015 12:13

Instrument :

BNA_M

LabSampleId :

SSTDCCC0.4

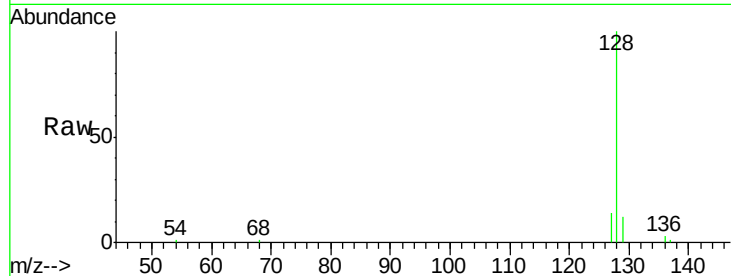
Tgt Ion:128 Resp: 8960

Ion Ratio Lower Upper

128 100

129 11.6 9.5 14.3

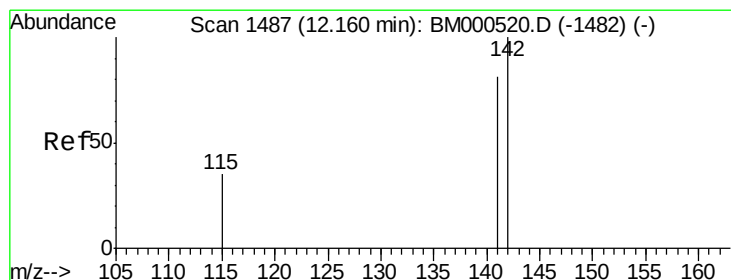
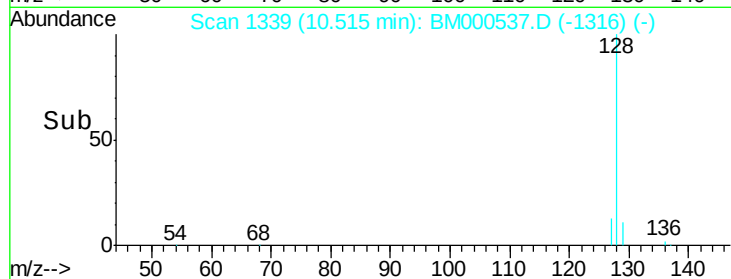
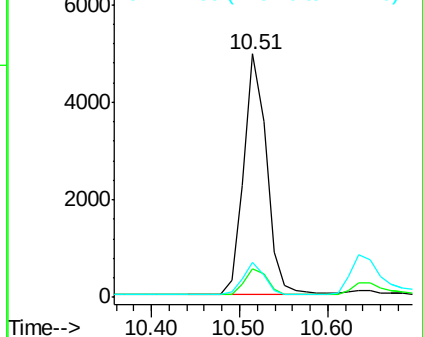
127 14.3 10.4 15.6



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: 0.39 ng/ul

RT: 12.14 min Scan# 1485

Delta R.T. -0.02 min

Lab File: BM000537.D

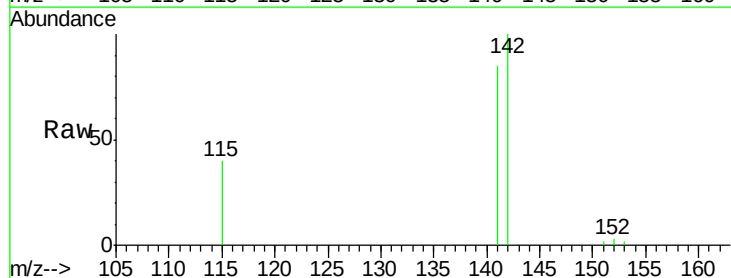
Acq: 17 Feb 2015 12:13

Tgt Ion:142 Resp: 5898

Ion Ratio Lower Upper

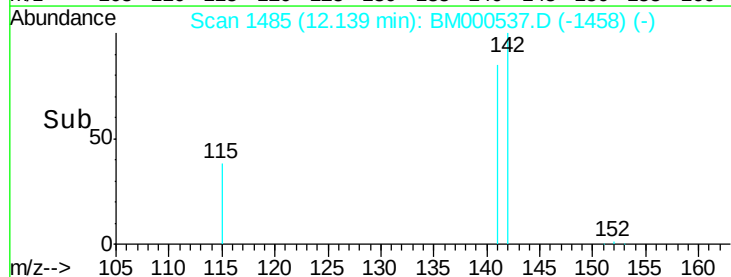
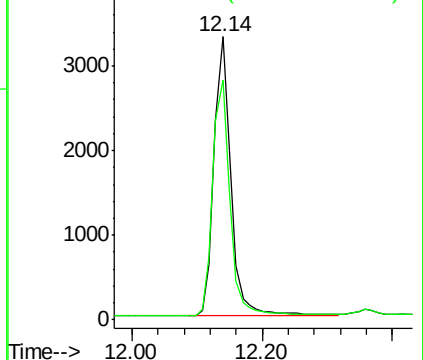
142 100

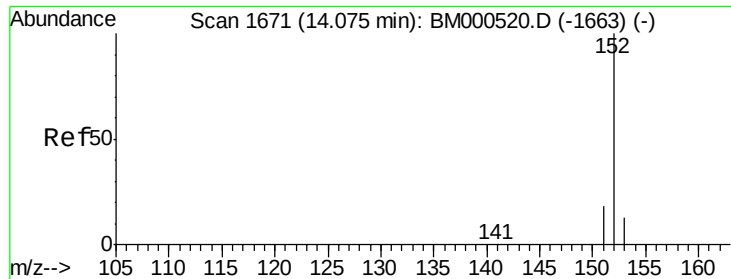
141 87.5 69.9 104.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.39 ng/ul

RT: 14.05 min Scan# 1669

Delta R.T. -0.02 min

Lab File: BM000537.D

Acq: 17 Feb 2015 12:13

Instrument :

BNA_M

LabSampleId :

SSTDCCC0.4

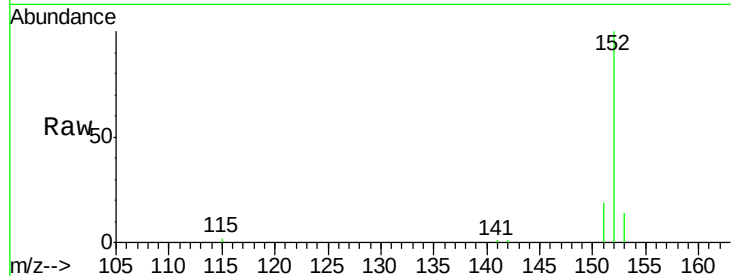
Tgt Ion:152 Resp: 7944

Ion Ratio Lower Upper

152 100

151 19.4 15.0 22.6

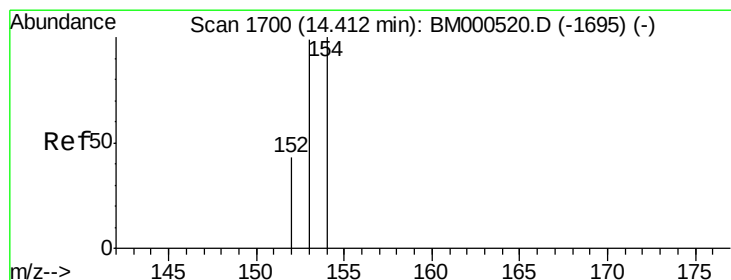
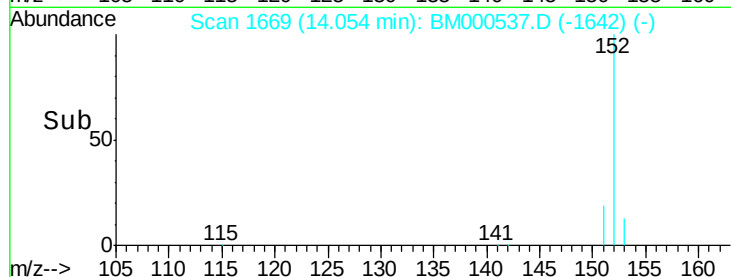
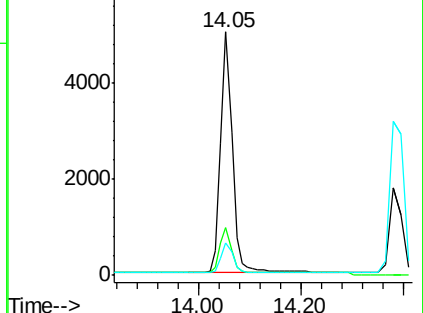
153 13.6 11.1 16.7



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: 0.39 ng/ul

RT: 14.38 min Scan# 1698

Delta R.T. -0.03 min

Lab File: BM000537.D

Acq: 17 Feb 2015 12:13

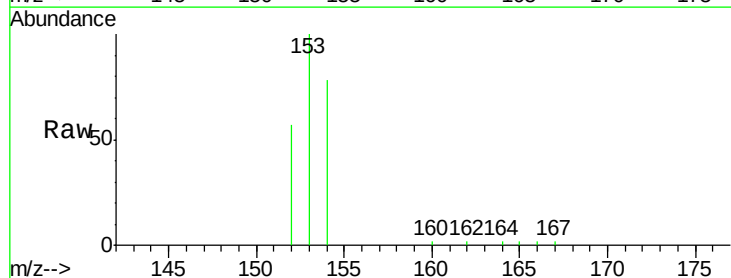
Tgt Ion:153 Resp: 6172

Ion Ratio Lower Upper

153 100

152 56.7 35.1 52.7#

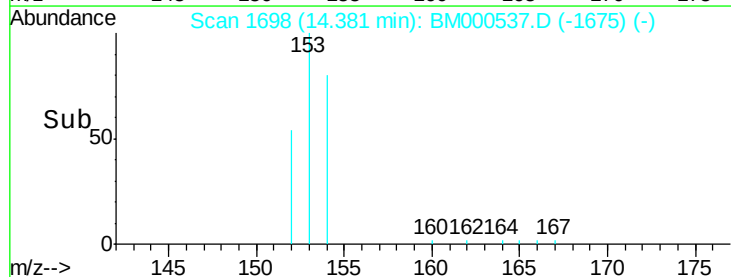
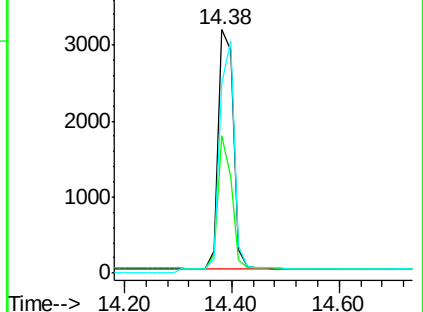
154 78.1 78.5 117.7#

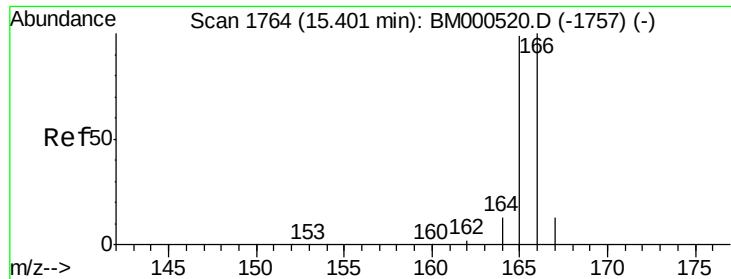


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

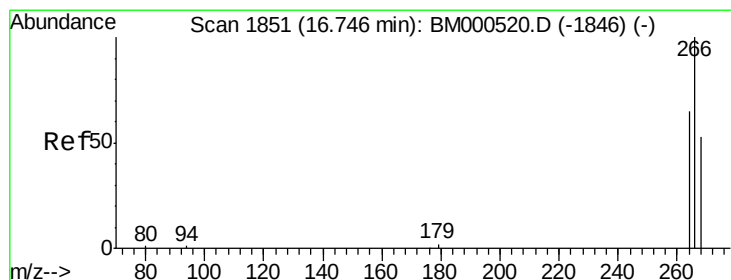
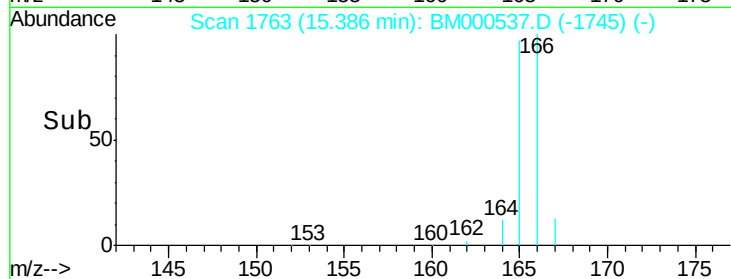
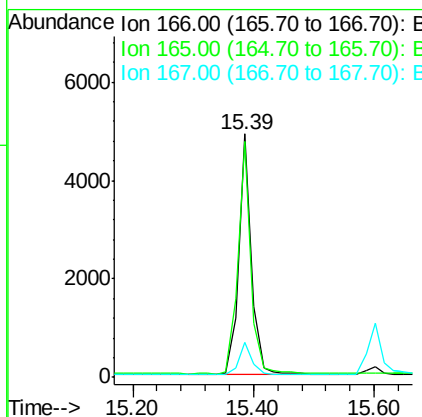
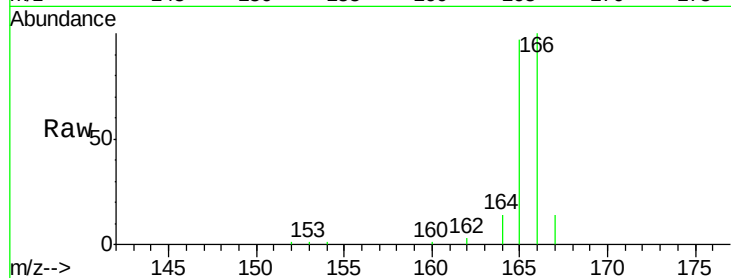




#9
 Fluorene
 Concen: 0.38 ng/ul
 RT: 15.39 min Scan# 1763
 Delta R.T. -0.02 min
 Lab File: BM000537.D
 Acq: 17 Feb 2015 12:13

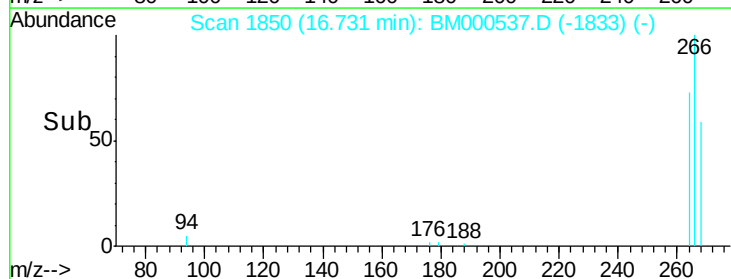
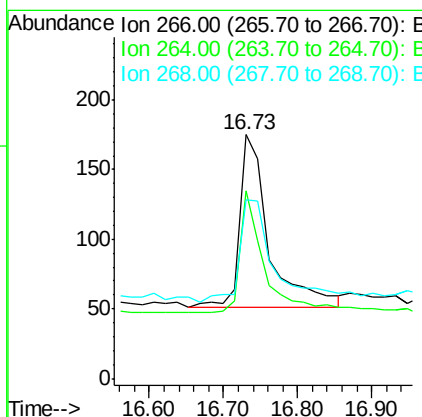
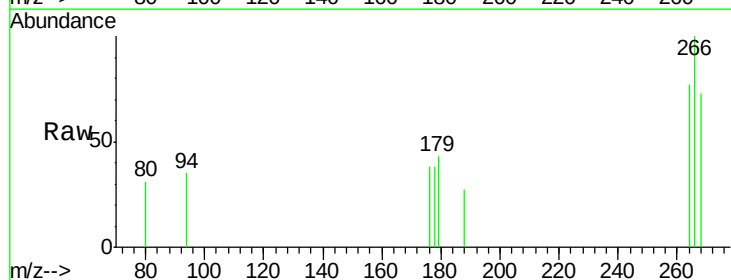
Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC0.4

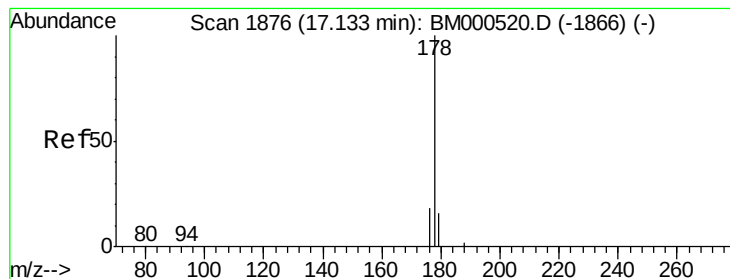
Tgt Ion:166 Resp: 7233
 Ion Ratio Lower Upper
 166 100
 165 97.1 80.0 120.0
 167 14.2 11.4 17.2



#11
 Pentachlorophenol
 Concen: 0.25 ng/ul
 RT: 16.73 min Scan# 1850
 Delta R.T. -0.03 min
 Lab File: BM000537.D
 Acq: 17 Feb 2015 12:13

Tgt Ion:266 Resp: 342
 Ion Ratio Lower Upper
 266 100
 264 62.3 51.4 77.2
 268 73.7 48.7 73.1#





#12

Phenanthrene

Concen: 0.39 ng/ul

RT: 17.12 min Scan# 1875

Delta R.T. -0.02 min

Lab File: BM000537.D

Acq: 17 Feb 2015 12:13

Instrument :

BNA_M

LabSampleId :

SSTDCCC0.4

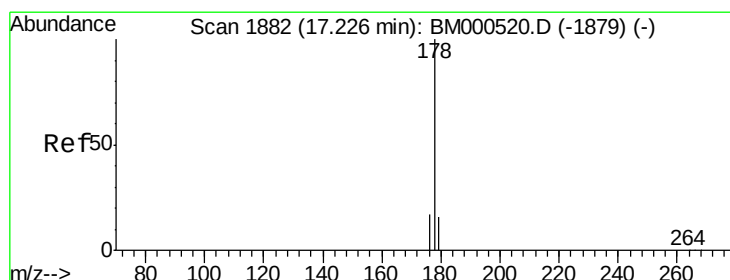
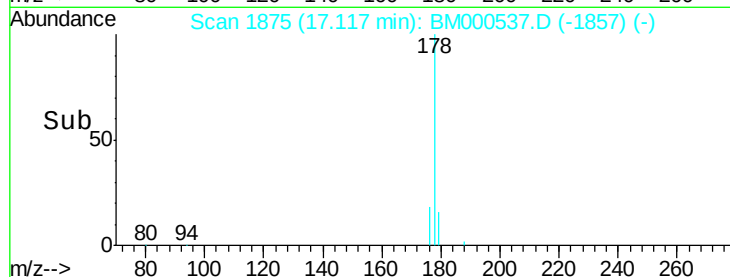
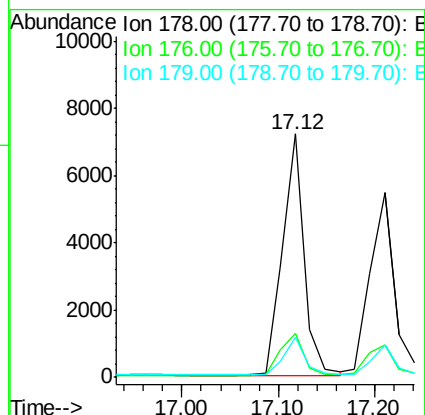
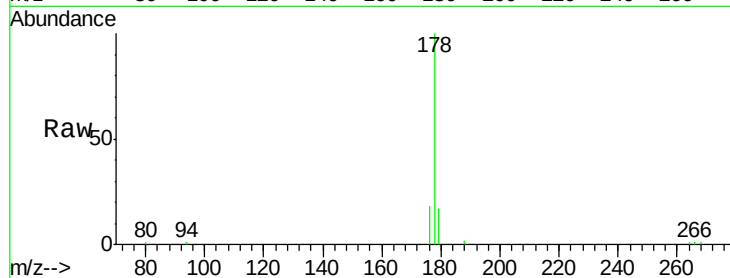
Tgt Ion:178 Resp: 11233

Ion Ratio Lower Upper

178 100

176 18.3 15.5 23.3

179 16.6 12.5 18.7



#13

Anthracene

Concen: 0.39 ng/ul

RT: 17.21 min Scan# 1881

Delta R.T. -0.02 min

Lab File: BM000537.D

Acq: 17 Feb 2015 12:13

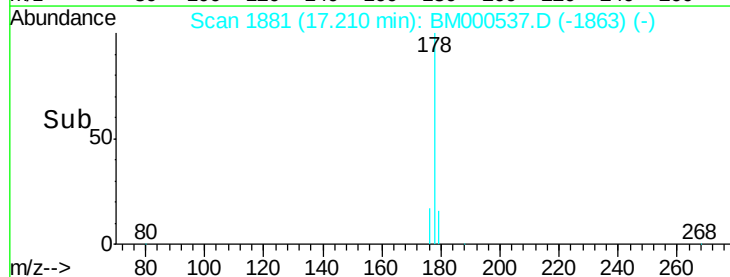
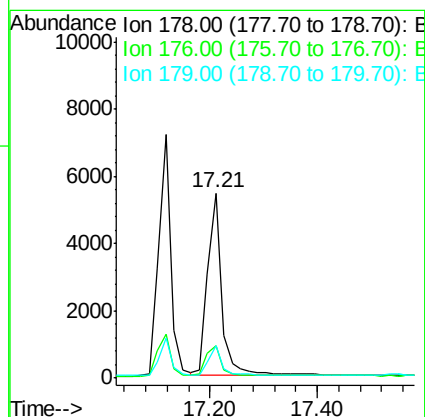
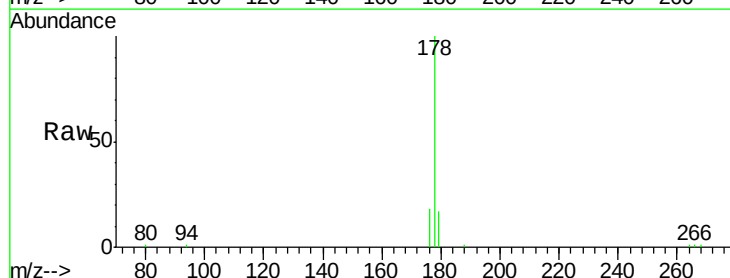
Tgt Ion:178 Resp: 10036

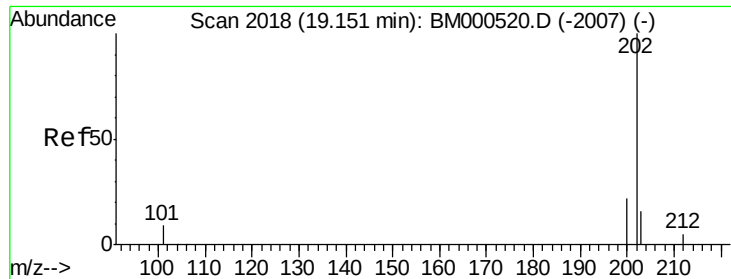
Ion Ratio Lower Upper

178 100

176 17.7 14.9 22.3

179 17.4 12.8 19.2

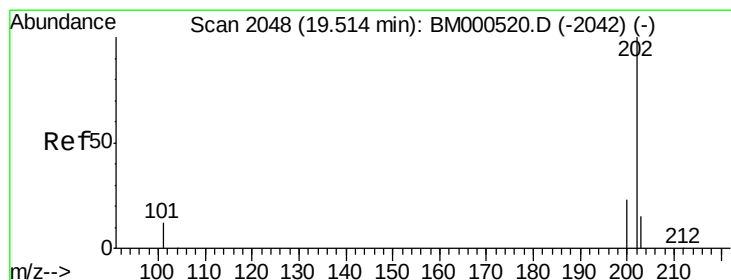
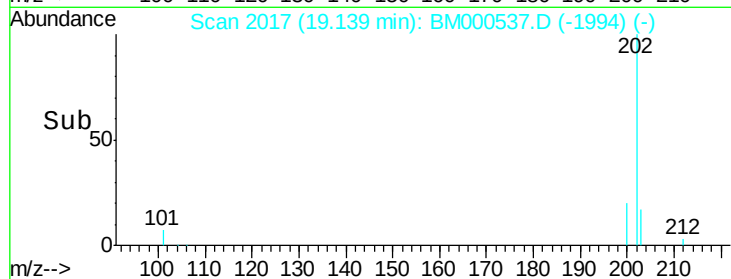
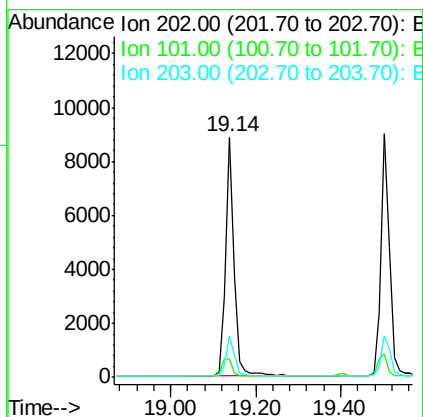
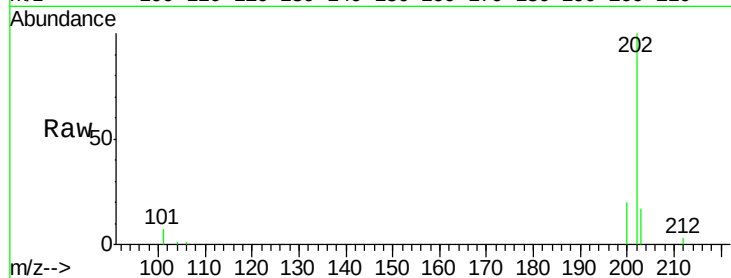




#15
Fluoranthene
Concen: 0.39 ng/ul
RT: 19.14 min Scan# 2017
Delta R.T. -0.02 min
Lab File: BM000537.D
Acq: 17 Feb 2015 12:13

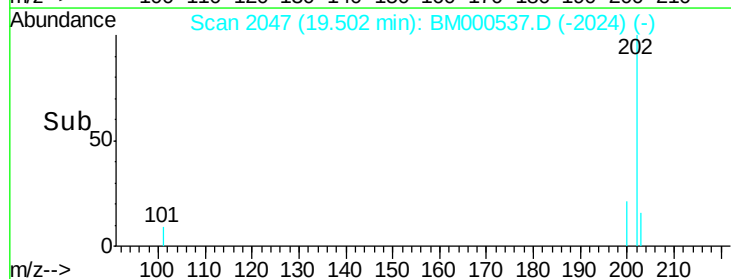
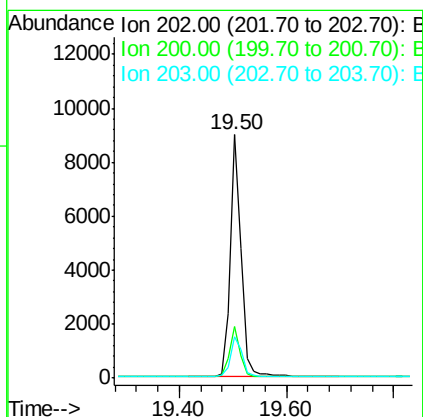
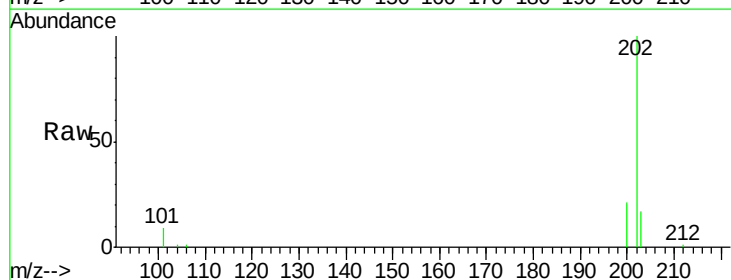
Instrument :
BNA_M
LabSampleId :
SSTDCCC0.4

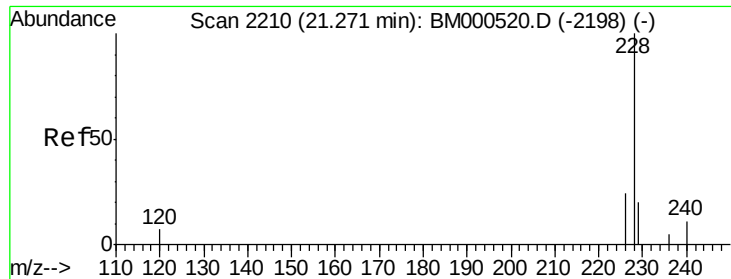
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	24.8
203	17.0	0.0	39.2



#17
Pyrene
Concen: 0.40 ng/ul
RT: 19.50 min Scan# 2047
Delta R.T. -0.02 min
Lab File: BM000537.D
Acq: 17 Feb 2015 12:13

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	15.4	23.0
203	16.7	15.4	23.2





#18

Benzo(a)anthracene

Concen: 0.39 ng/ul

RT: 21.25 min Scan# 2208

Delta R.T. -0.02 min

Lab File: BM000537.D

Acq: 17 Feb 2015 12:13

Instrument :

BNA_M

LabSampleId :

SSTDCCC0.4

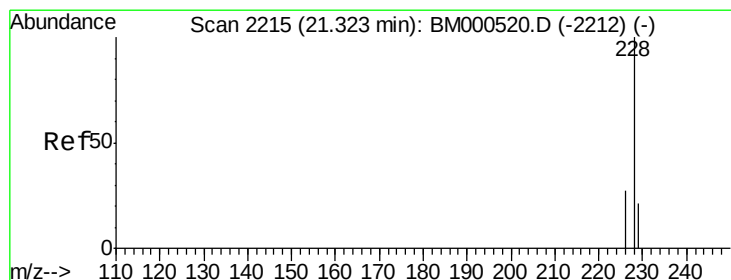
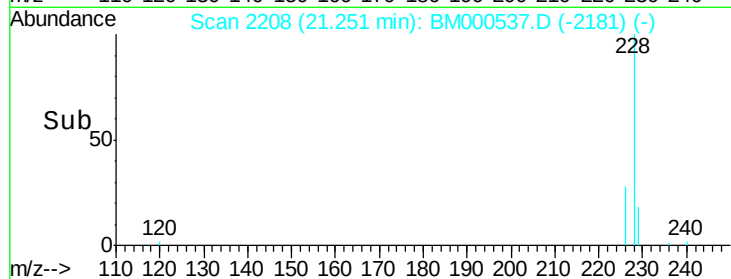
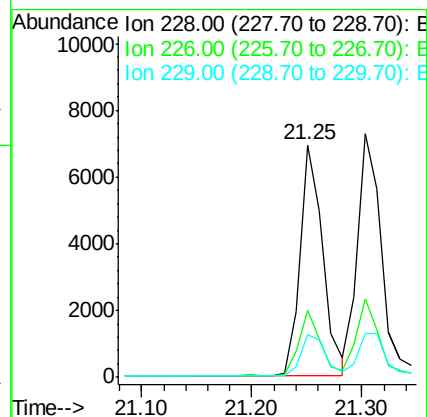
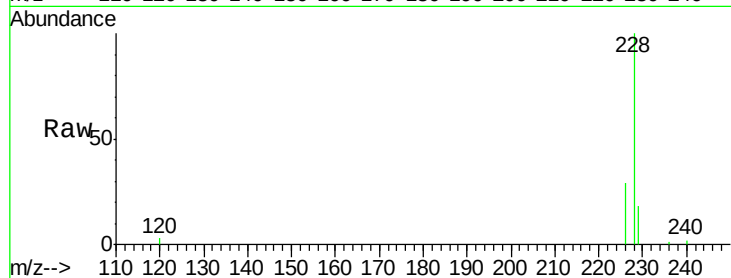
Tgt Ion:228 Resp: 9817

Ion Ratio Lower Upper

228 100

226 29.0 20.6 31.0

229 18.4 16.3 24.5



#19

Chrysene

Concen: 0.39 ng/ul

RT: 21.30 min Scan# 2213

Delta R.T. -0.02 min

Lab File: BM000537.D

Acq: 17 Feb 2015 12:13

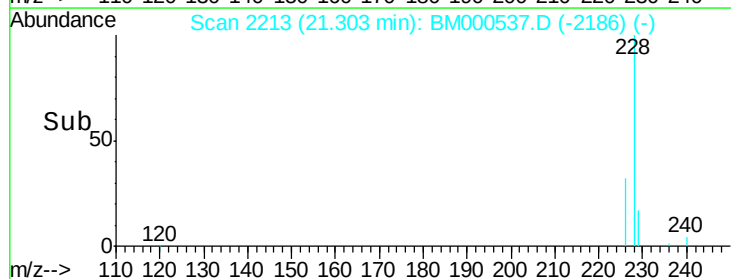
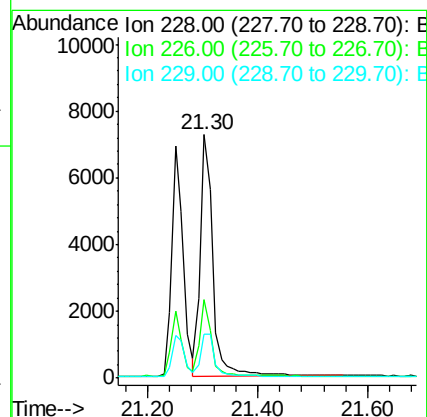
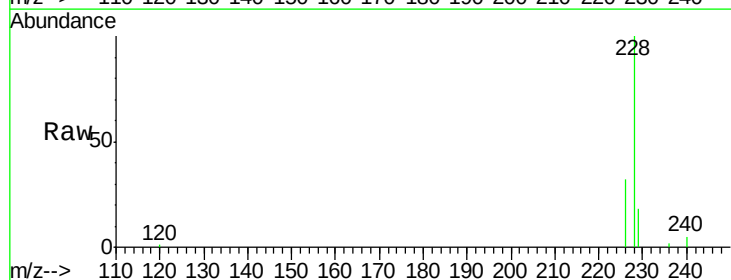
Tgt Ion:228 Resp: 11459

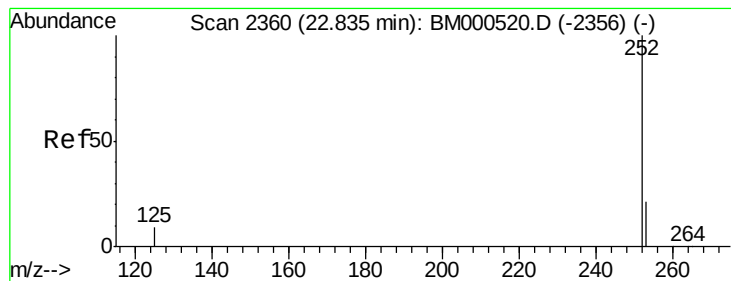
Ion Ratio Lower Upper

228 100

226 32.2 22.7 34.1

229 17.9 16.0 24.0





#21

Benzo(b)fluoranthene

Concen: 0.41 ng/ul

RT: 22.82 min Scan# 2359

Delta R.T. -0.02 min

Lab File: BM000537.D

Acq: 17 Feb 2015 12:13

Instrument :

BNA_M

LabSampleId :

SSTDCCC0.4

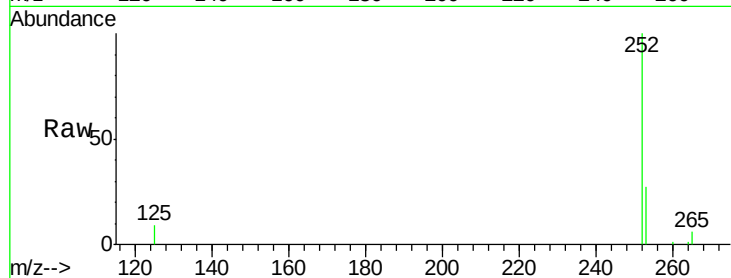
Tgt Ion:252 Resp: 10784

Ion Ratio Lower Upper

252 100

253 27.5 0.0 52.6

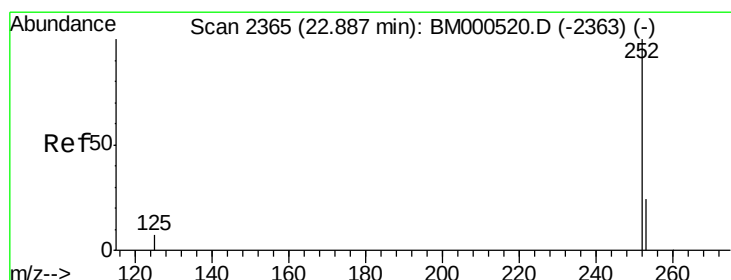
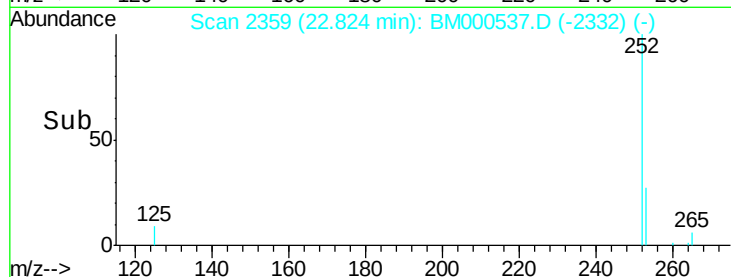
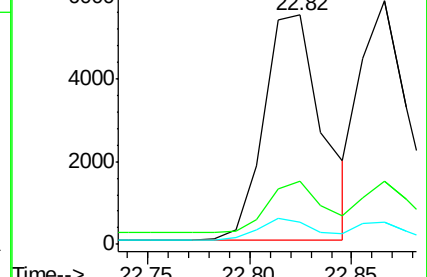
125 9.5 0.0 17.6



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: 0.38 ng/ul

RT: 22.87 min Scan# 2363

Delta R.T. -0.02 min

Lab File: BM000537.D

Acq: 17 Feb 2015 12:13

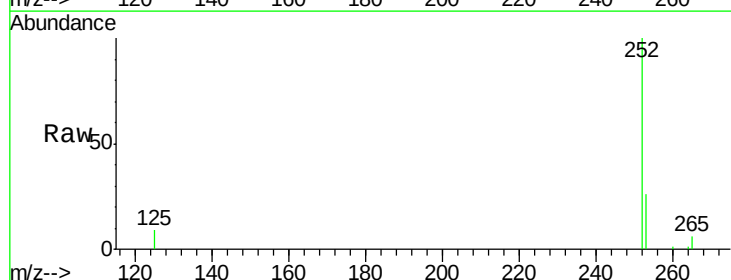
Tgt Ion:252 Resp: 10070

Ion Ratio Lower Upper

252 100

253 25.8 20.2 30.4

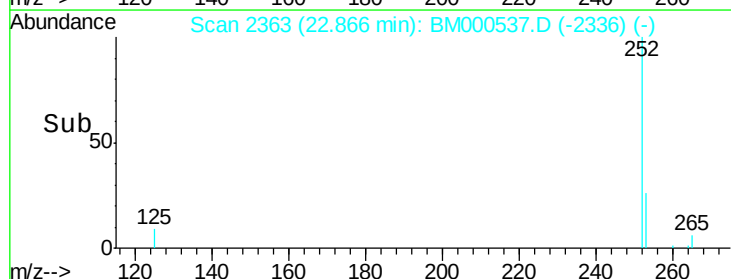
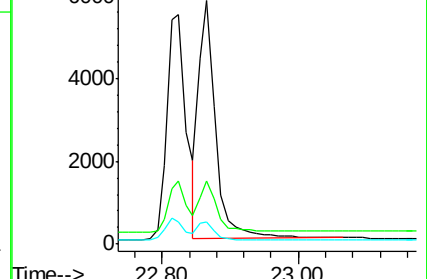
125 9.1 7.4 11.0

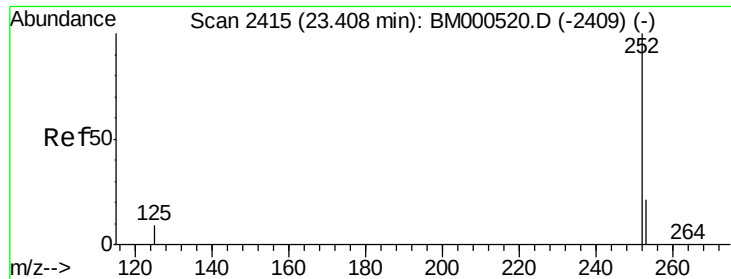


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.39 ng/ul

RT: 23.39 min Scan# 2413

Delta R.T. -0.03 min

Lab File: BM000537.D

Acq: 17 Feb 2015 12:13

Instrument :

BNA_M

LabSampleId :

SSTDCCC0.4

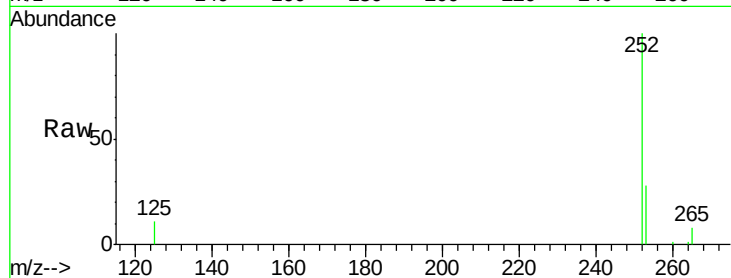
Tgt Ion:252 Resp: 9719

Ion Ratio Lower Upper

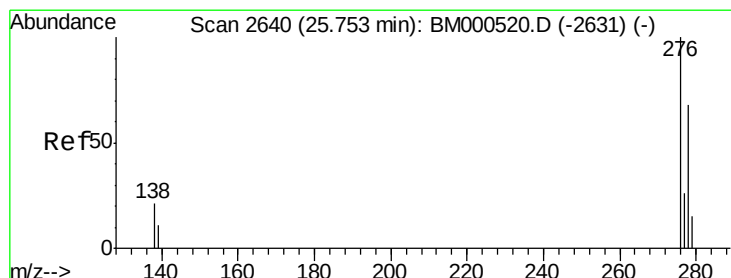
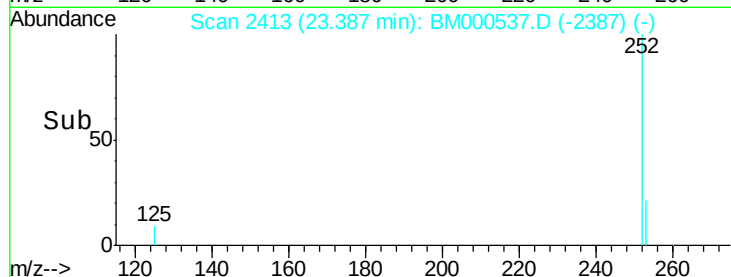
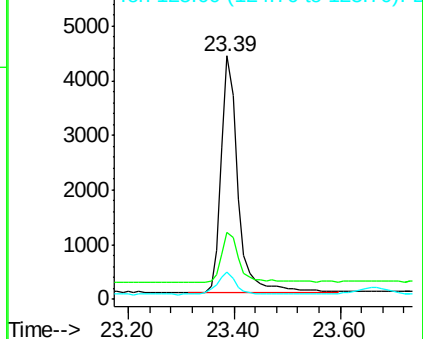
252 100

253 27.6 23.1 34.7

125 11.2 8.0 12.0



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: 0.40 ng/ul

RT: 25.72 min Scan# 2637

Delta R.T. -0.03 min

Lab File: BM000537.D

Acq: 17 Feb 2015 12:13

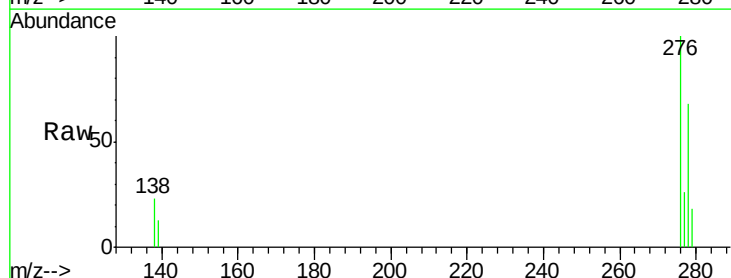
Tgt Ion:276 Resp: 10900

Ion Ratio Lower Upper

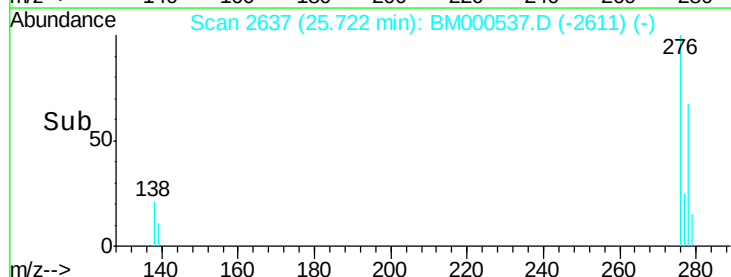
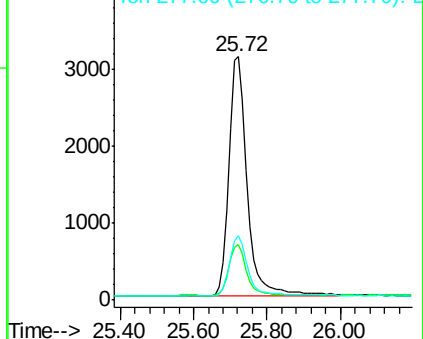
276 100

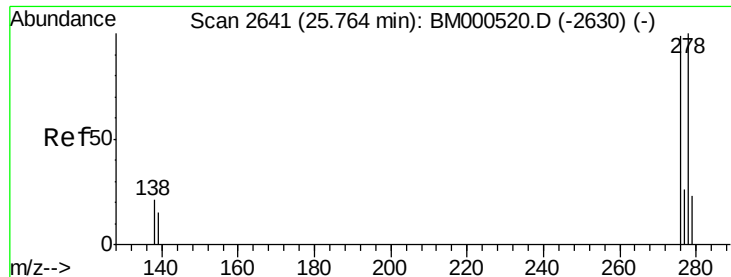
138 20.7 17.3 25.9

277 25.1 19.8 29.8



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



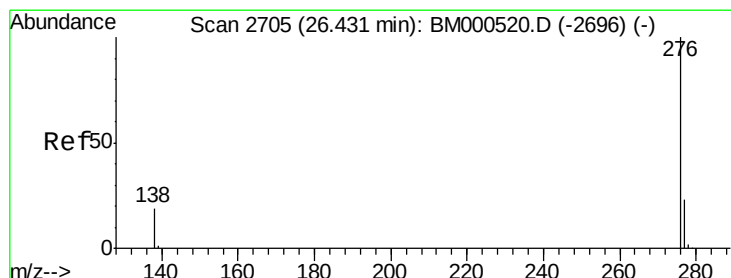
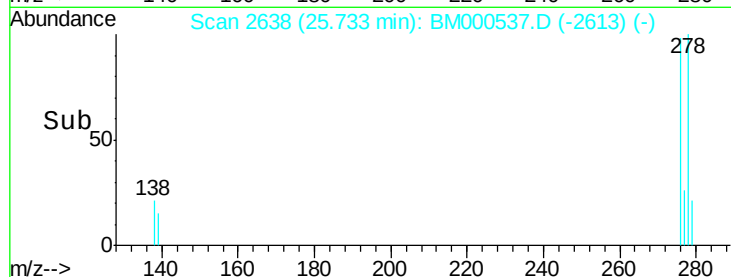
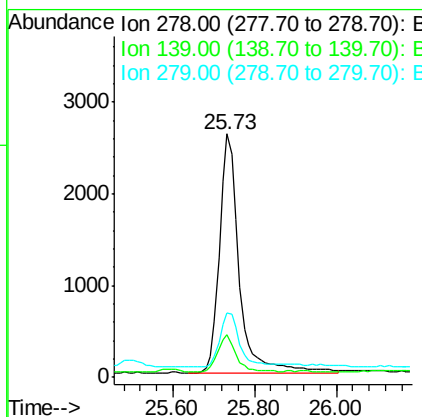
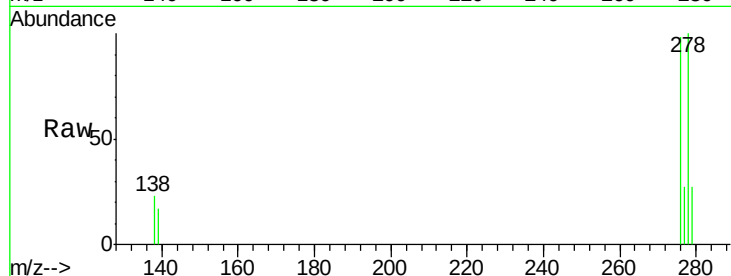


#25
Dibenzo(a,h)anthracene
Concen: 0.40 ng/ul
RT: 25.73 min Scan# 2638
Delta R.T. -0.04 min
Lab File: BM000537.D
Acq: 17 Feb 2015 12:13

Instrument :
BNA_M
LabSampleId :
SSTDCCC0.4

Tgt Ion: 278 Resp: 8728

Ion	Ratio	Lower	Upper
278	100		
139	17.4	12.5	18.7
279	26.6	22.2	33.2



#26
Benzo(g,h,i)perylene
Concen: 0.40 ng/ul
RT: 26.40 min Scan# 2702
Delta R.T. -0.04 min
Lab File: BM000537.D
Acq: 17 Feb 2015 12:13

Tgt Ion: 276 Resp: 9614

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.2	28.8
138	20.2	16.0	24.0

