

Data Path : Z:\HPCHEM1\BNA_M\Data\BM021715\
 Data File : BM000540.D
 Acq On : 16 Feb 2015 22:21
 Operator : TP/IZ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC0.4EC

Quant Time: Feb 17 03:34:12 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	7.71	152	3125	0.40	ng/ul	0.00
2) Naphthalene-d8	10.49	136	10578	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.35	164	6068	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.09	188	12963	0.40	ng/ul	0.00
16) Chrysene-d12	21.28	240	11032	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	9269	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.09	152	5219	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	10846	0.40	ng/ul	0.00

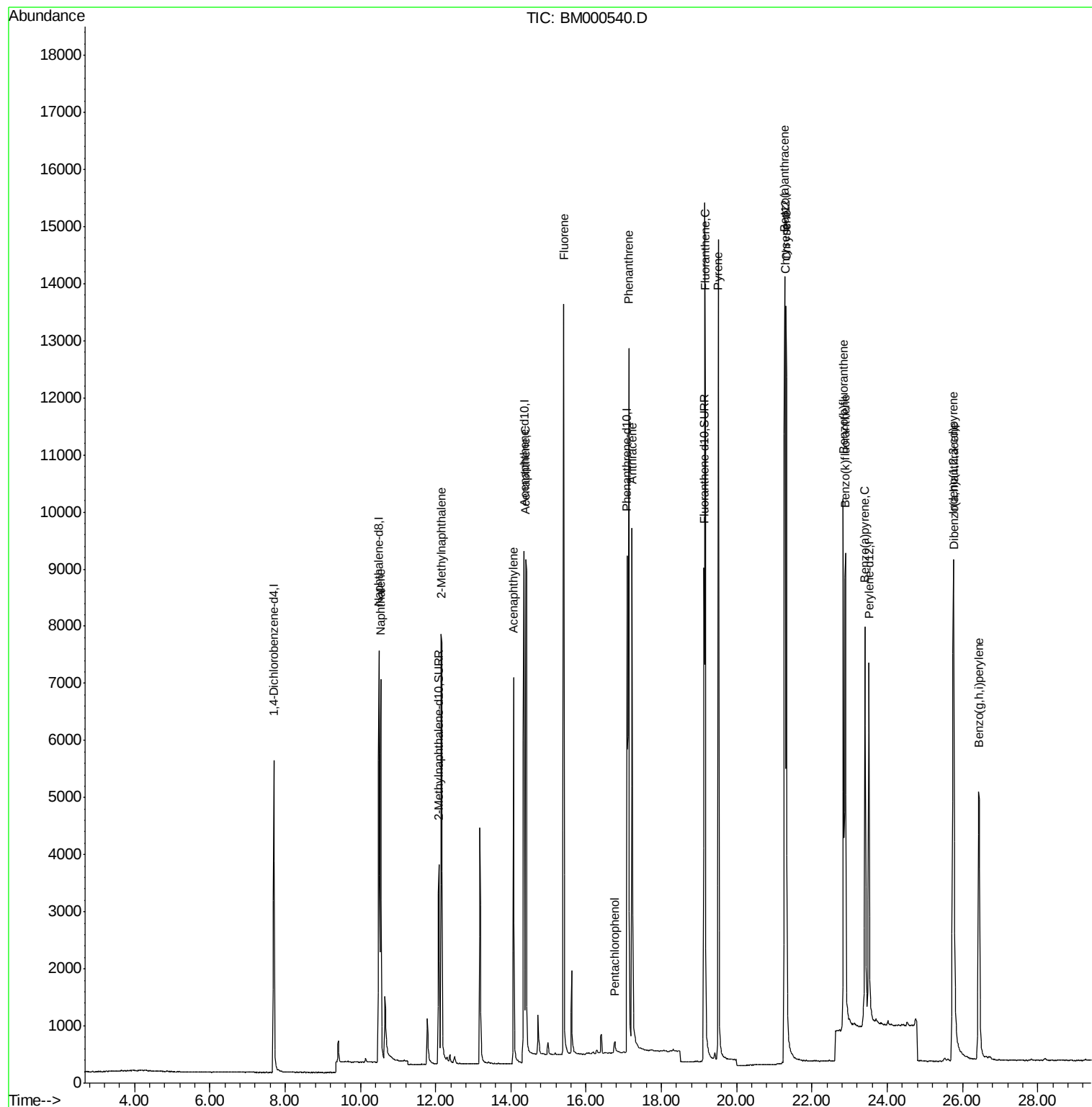
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.54	128	9950	0.40	ng/ul	100
5) 2-Methylnaphthalene	12.16	142	6699	0.40	ng/ul	99
7) Acenaphthylene	14.07	152	9471	0.41	ng/ul	99
8) Acenaphthene	14.40	153	7189	0.41	ng/ul#	80
9) Fluorene	15.40	166	8774	0.41	ng/ul	95
11) Pentachlorophenol	16.76	266	317	0.19	ng/ul	93
12) Phenanthrene	17.13	178	13897	0.39	ng/ul	98
13) Anthracene	17.23	178	12620	0.40	ng/ul	98
15) Fluoranthene	19.15	202	16057	0.41	ng/ul	91
17) Pyrene	19.51	202	16265	0.41	ng/ul#	92
18) Benzo(a)anthracene	21.27	228	12123	0.39	ng/ul	97
19) Chrysene	21.31	228	14717	0.41	ng/ul	93
21) Benzo(b)fluoranthene	22.83	252	12194	0.39	ng/ul	96
22) Benzo(k)fluoranthene	22.89	252	13543	0.43	ng/ul	98
23) Benzo(a)pyrene	23.41	252	11832	0.40	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.75	276	12402	0.38	ng/ul	99
25) Dibenzo(a,h)anthracene	25.76	278	9769	0.38	ng/ul	98
26) Benzo(g,h,i)perylene	26.43	276	11054	0.38	ng/ul	98

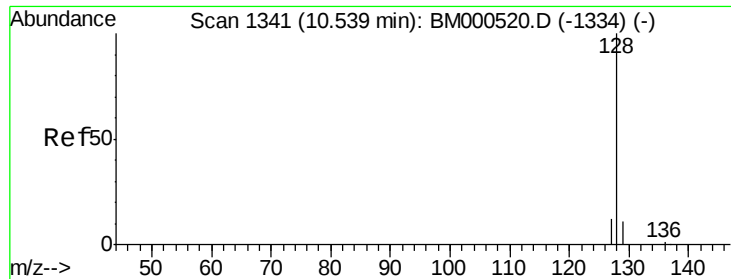
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.40 ng/ul

RT: 10.54 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM000540.D

Acq: 16 Feb 2015 22:21

Instrument :

BNA_M

LabSampleId :

SSTDCCC0.4EC

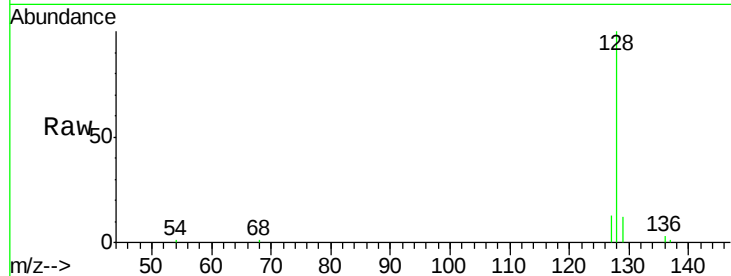
Tgt Ion:128 Resp: 9950

Ion Ratio Lower Upper

128 100

129 12.1 9.5 14.3

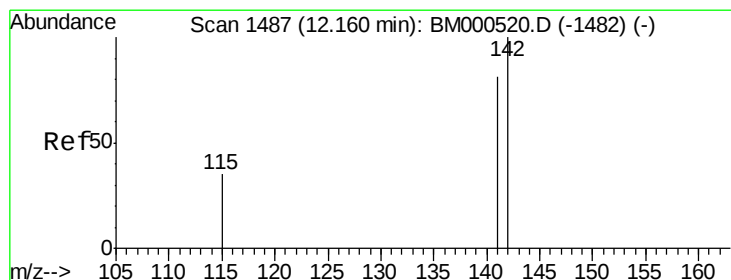
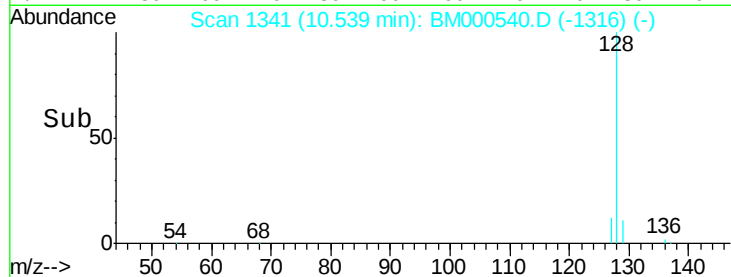
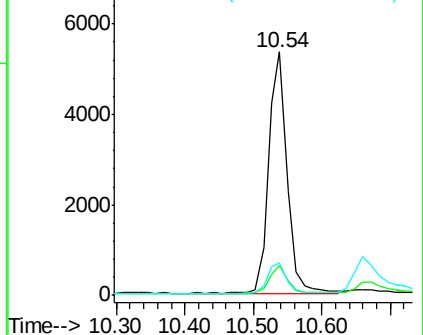
127 13.2 10.4 15.6



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: 0.40 ng/ul

RT: 12.16 min Scan# 1487

Delta R.T. -0.00 min

Lab File: BM000540.D

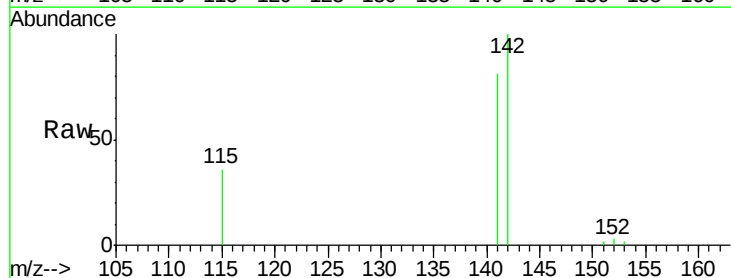
Acq: 16 Feb 2015 22:21

Tgt Ion:142 Resp: 6699

Ion Ratio Lower Upper

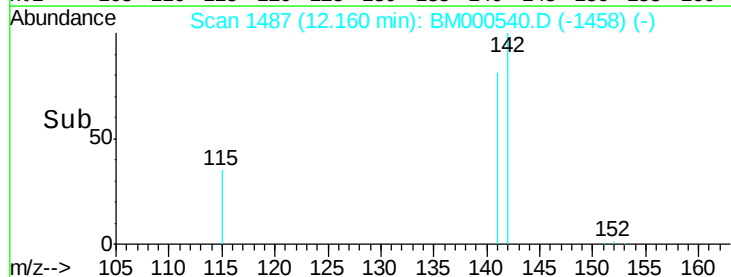
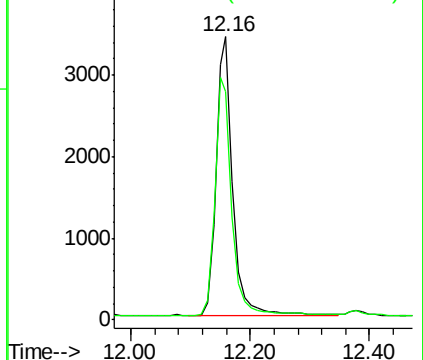
142 100

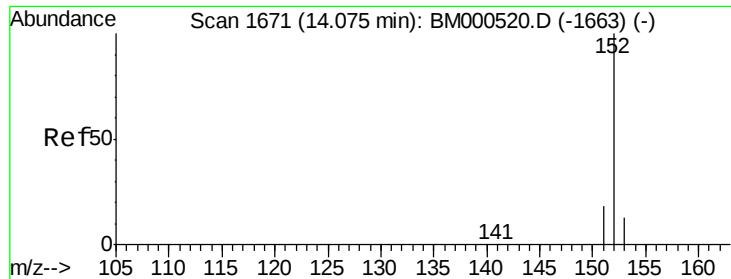
141 88.0 69.9 104.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.07 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BM000540.D

Acq: 16 Feb 2015 22:21

Instrument :

BNA_M

LabSampleId :

SSTDCCC0.4EC

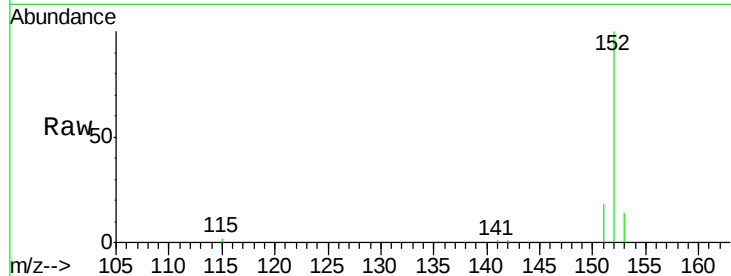
Tgt Ion:152 Resp: 9471

Ion Ratio Lower Upper

152 100

151 18.2 15.0 22.6

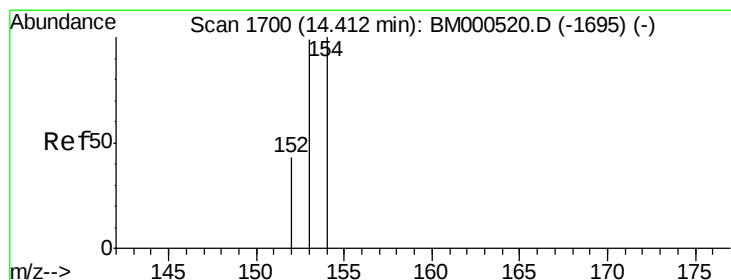
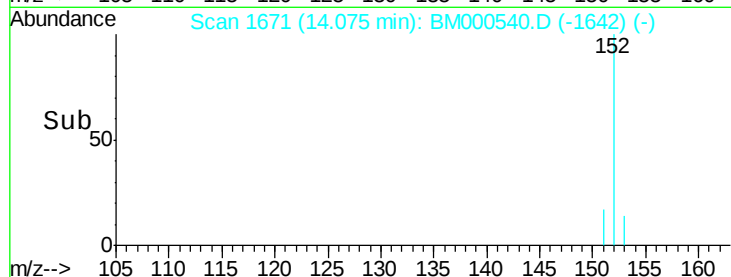
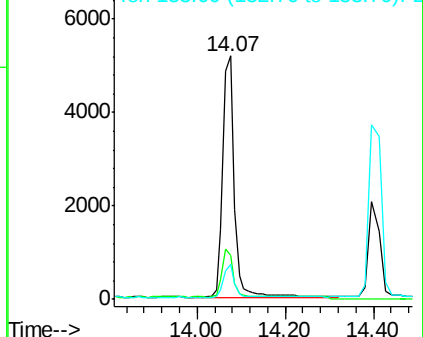
153 14.4 11.1 16.7



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: 0.41 ng/ul

RT: 14.40 min Scan# 1699

Delta R.T. -0.02 min

Lab File: BM000540.D

Acq: 16 Feb 2015 22:21

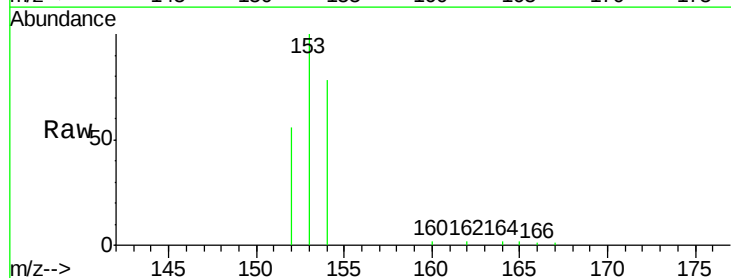
Tgt Ion:153 Resp: 7189

Ion Ratio Lower Upper

153 100

152 56.0 35.1 52.7#

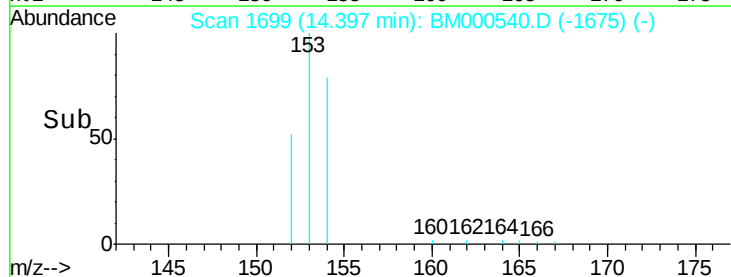
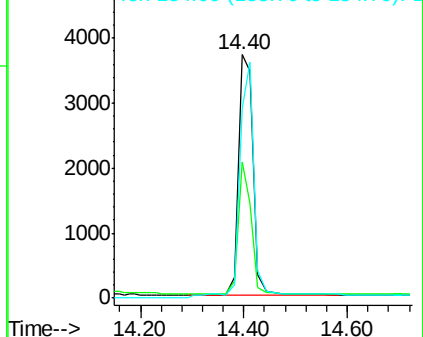
154 78.0 78.5 117.7#

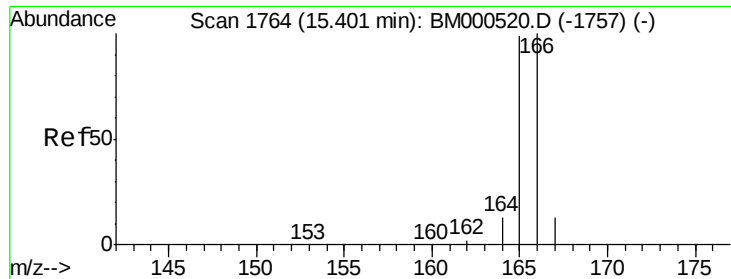


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

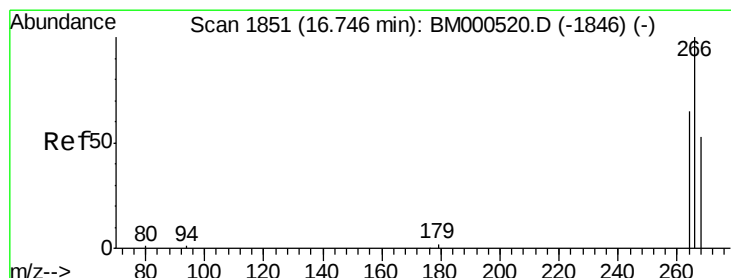
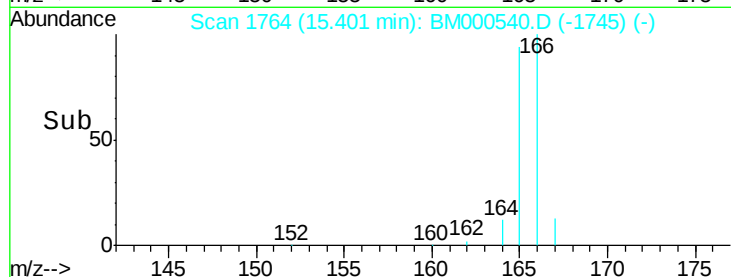
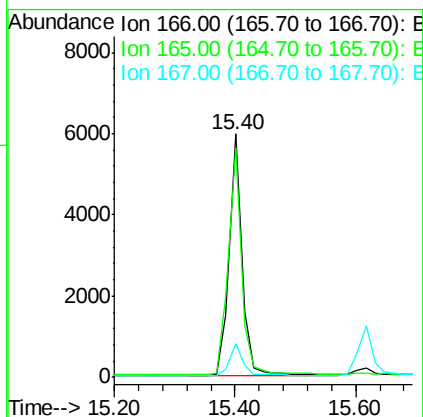
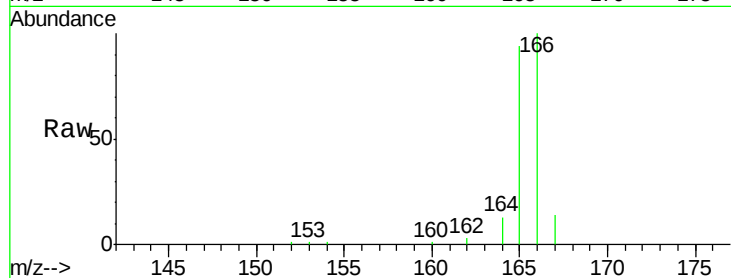




#9
Fluorene
 Concen: 0.41 ng/ul
 RT: 15.40 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: BM000540.D
 Acq: 16 Feb 2015 22:21

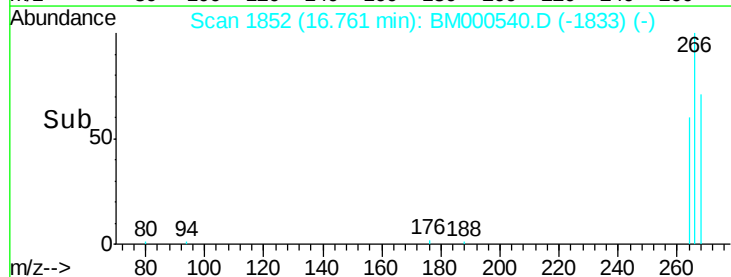
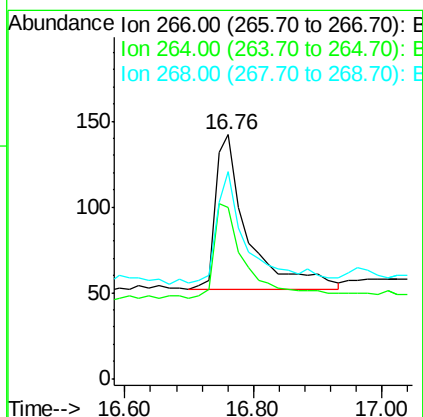
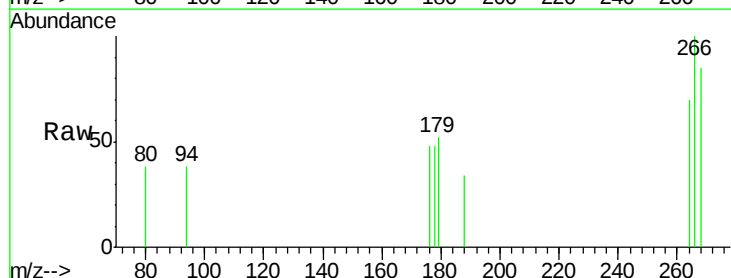
Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC0.4EC

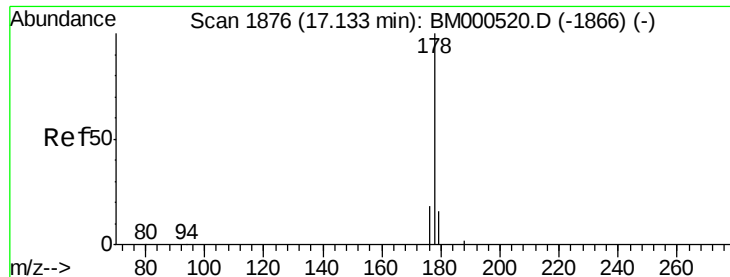
Tgt Ion:166 Resp: 8774
 Ion Ratio Lower Upper
 166 100
 165 94.4 80.0 120.0
 167 13.8 11.4 17.2



#11
Pentachlorophenol
 Concen: 0.19 ng/ul
 RT: 16.76 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: BM000540.D
 Acq: 16 Feb 2015 22:21

Tgt Ion:266 Resp: 317
 Ion Ratio Lower Upper
 266 100
 264 64.7 51.4 77.2
 268 71.6 48.7 73.1





#12

Phenanthrene

Concen: 0.39 ng/ul

RT: 17.13 min Scan# 1876

Delta R.T. -0.00 min

Lab File: BM000540.D

Acq: 16 Feb 2015 22:21

Instrument :

BNA_M

LabSampleId :

SSTDCCC0.4EC

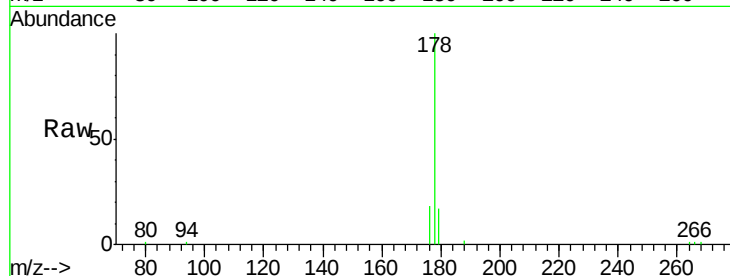
Tgt Ion:178 Resp: 13897

Ion Ratio Lower Upper

178 100

176 18.2 15.5 23.3

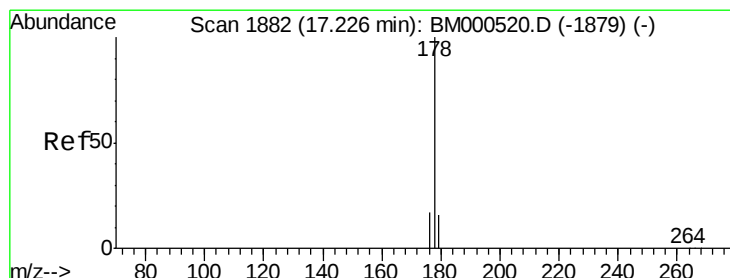
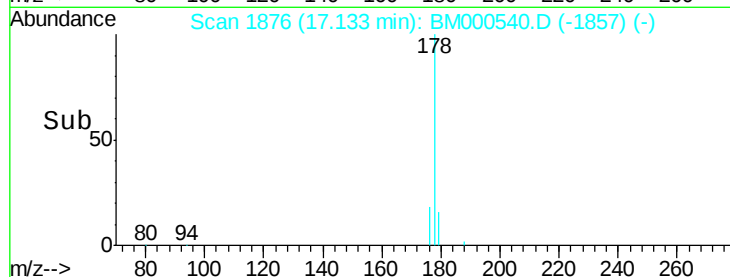
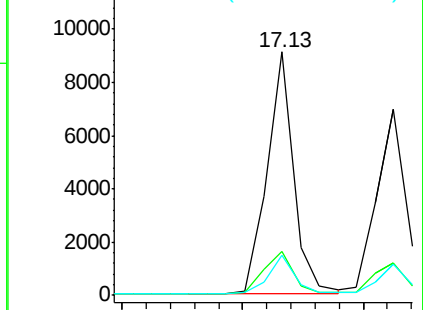
179 16.6 12.5 18.7



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: 0.40 ng/ul

RT: 17.23 min Scan# 1882

Delta R.T. -0.00 min

Lab File: BM000540.D

Acq: 16 Feb 2015 22:21

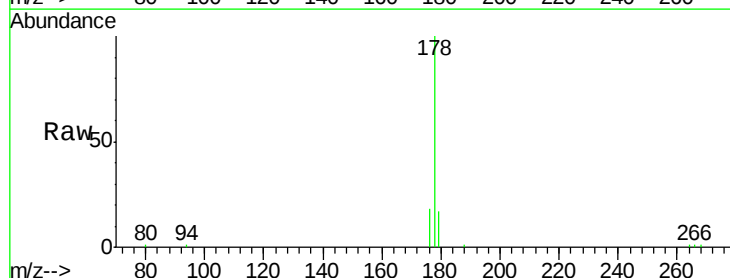
Tgt Ion:178 Resp: 12620

Ion Ratio Lower Upper

178 100

176 17.6 14.9 22.3

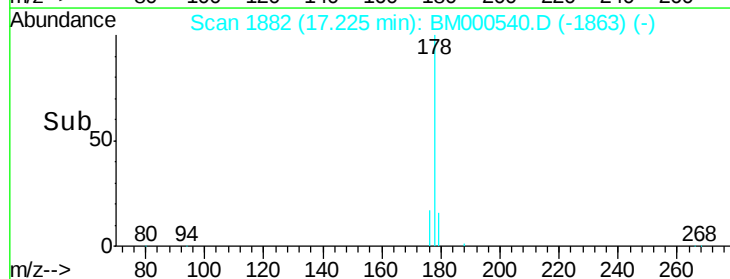
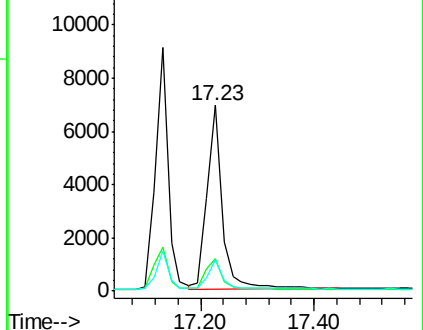
179 16.7 12.8 19.2

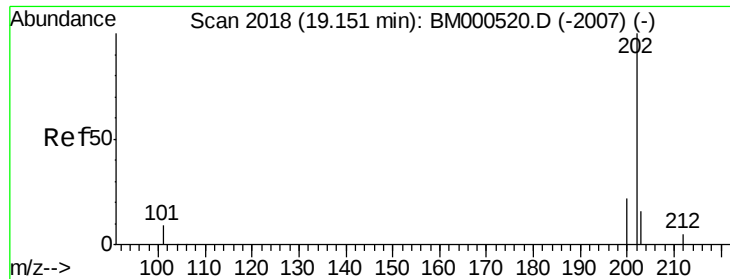


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

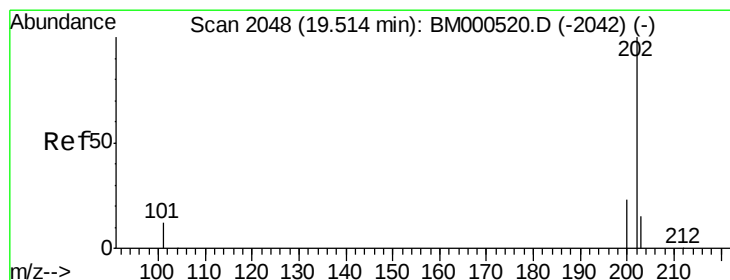
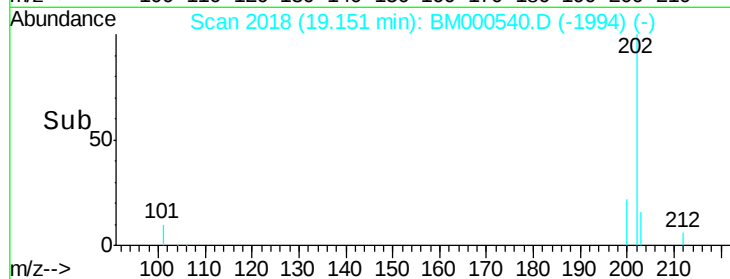
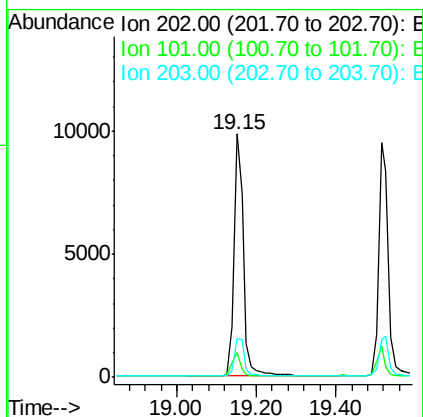
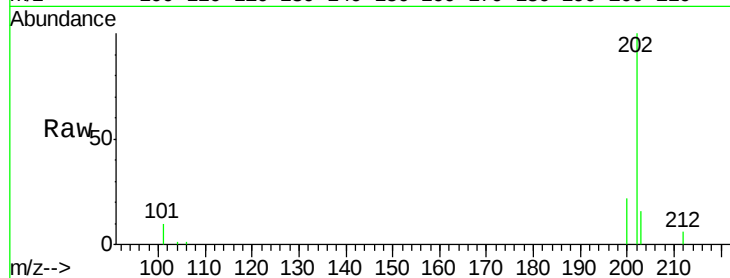




#15
Fluoranthene
Concen: 0.41 ng/ul
RT: 19.15 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BM000540.D
Acq: 16 Feb 2015 22:21

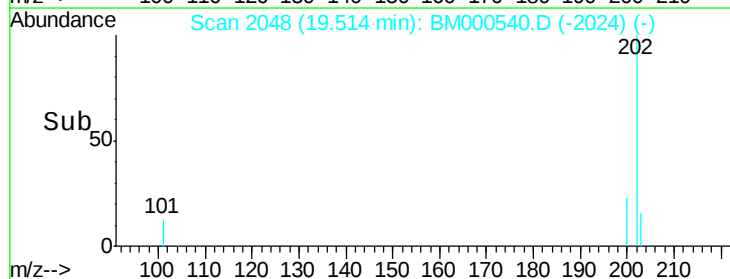
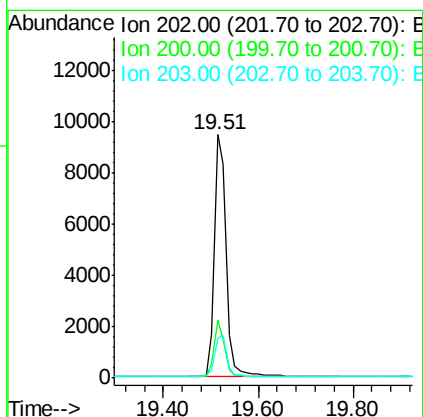
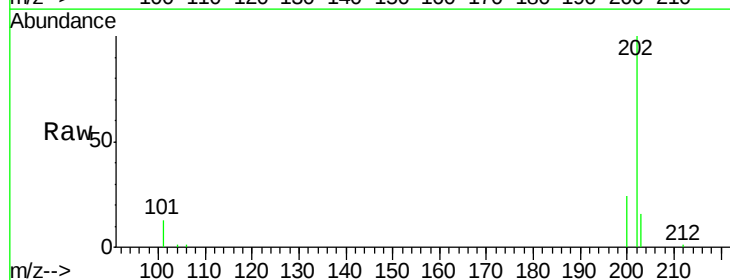
Instrument :
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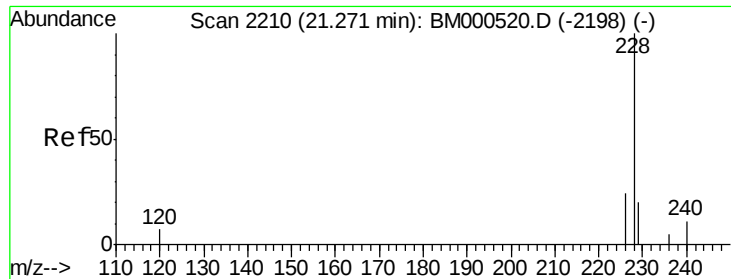
Tgt Ion:202 Resp: 16057
Ion Ratio Lower Upper
202 100
101 10.0 0.0 24.8
203 16.0 0.0 39.2



#17
Pyrene
Concen: 0.41 ng/ul
RT: 19.51 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BM000540.D
Acq: 16 Feb 2015 22:21

Tgt Ion:202 Resp: 16265
Ion Ratio Lower Upper
202 100
200 23.7 15.4 23.0#
203 16.3 15.4 23.2





#18

Benzo(a)anthracene

Concen: 0.39 ng/ul

RT: 21.27 min Scan# 2210

Delta R.T. -0.00 min

Lab File: BM000540.D

Acq: 16 Feb 2015 22:21

Instrument :

BNA_M

LabSampleId :

SSTDCCC0.4EC

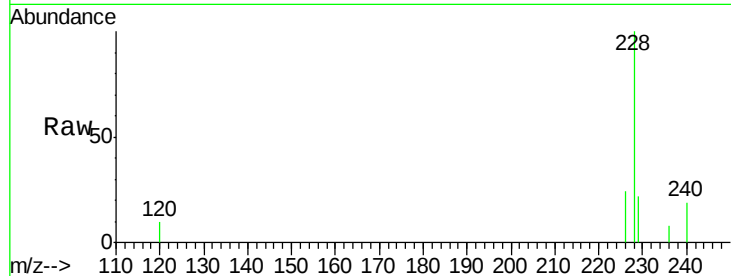
Tgt Ion:228 Resp: 12123

Ion Ratio Lower Upper

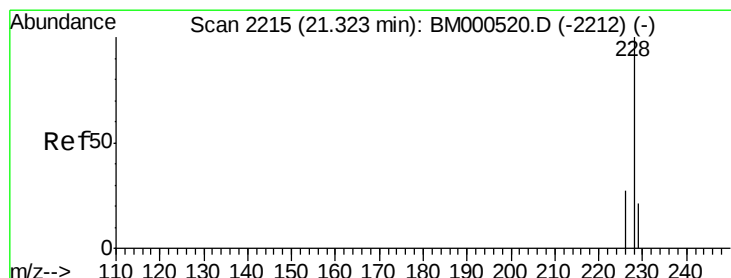
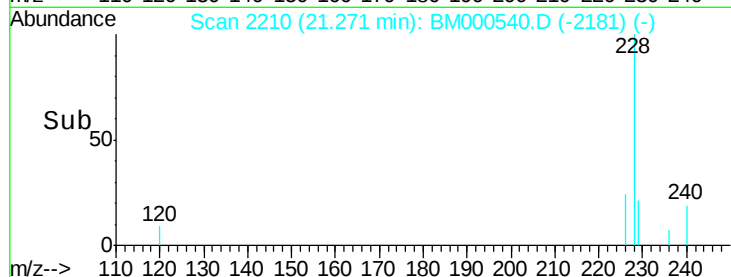
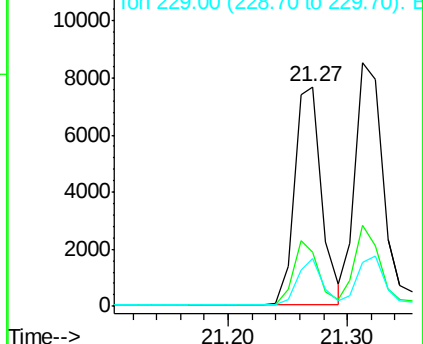
228 100

226 24.4 20.6 31.0

229 21.6 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



#19

Chrysene

Concen: 0.41 ng/ul

RT: 21.31 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BM000540.D

Acq: 16 Feb 2015 22:21

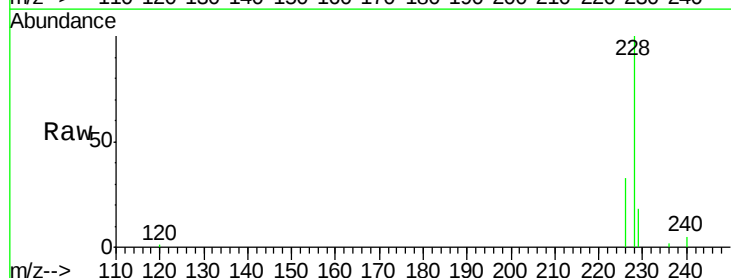
Tgt Ion:228 Resp: 14717

Ion Ratio Lower Upper

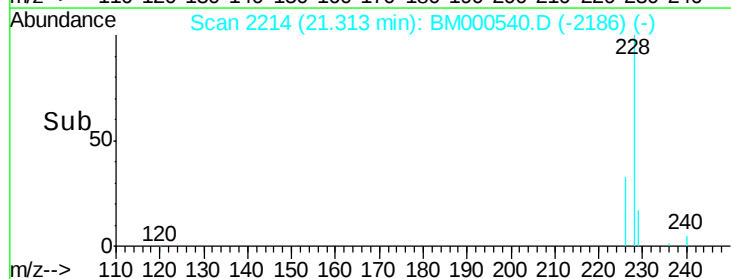
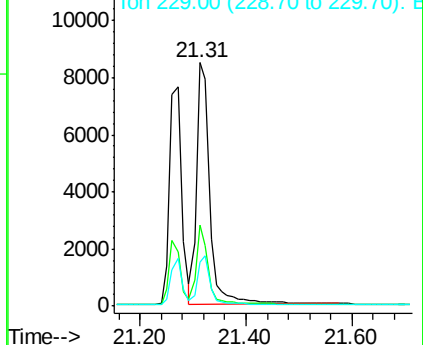
228 100

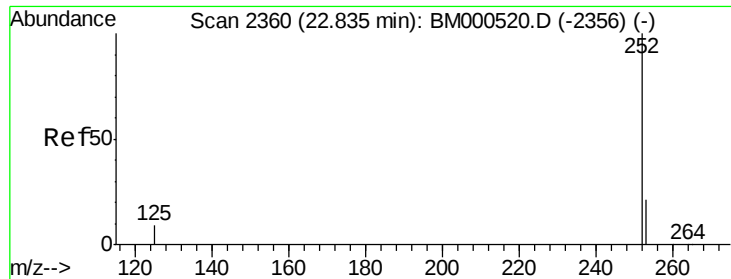
226 33.1 22.7 34.1

229 17.8 16.0 24.0



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/u1

RT: 22.83 min Scan# 2360

Delta R.T. -0.01 min

Lab File: BM000540.D

Acq: 16 Feb 2015 22:21

Instrument :

BNA_M

LabSampleId :

SSTDCCC0.4EC

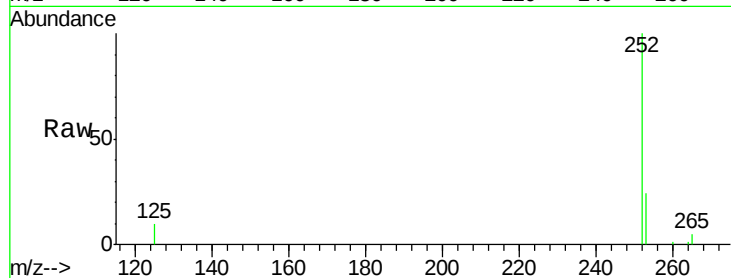
Tgt Ion:252 Resp: 12194

Ion Ratio Lower Upper

252 100

253 24.2 0.0 52.6

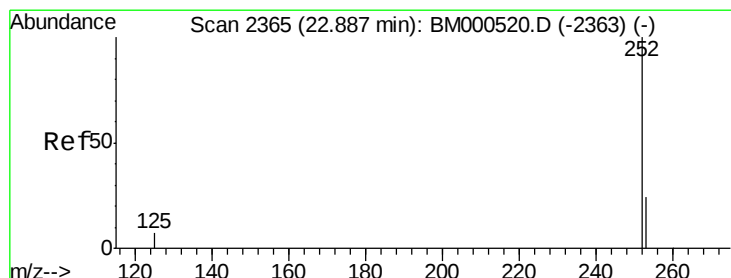
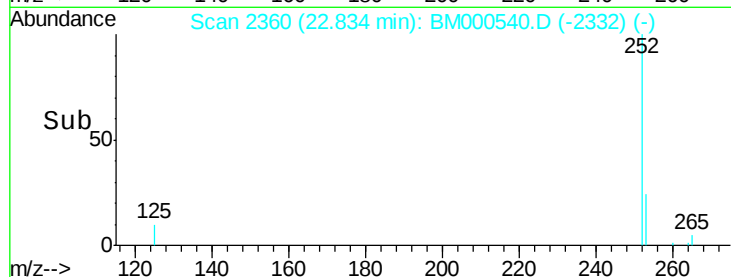
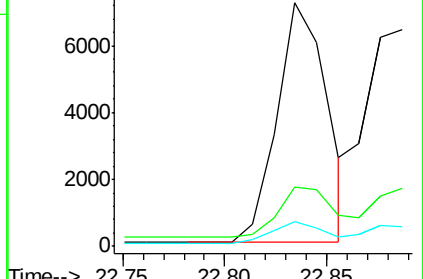
125 10.3 0.0 17.6



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: 0.43 ng/u1

RT: 22.89 min Scan# 2365

Delta R.T. -0.00 min

Lab File: BM000540.D

Acq: 16 Feb 2015 22:21

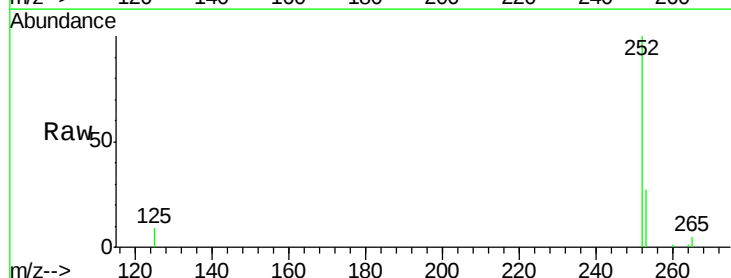
Tgt Ion:252 Resp: 13543

Ion Ratio Lower Upper

252 100

253 26.7 20.2 30.4

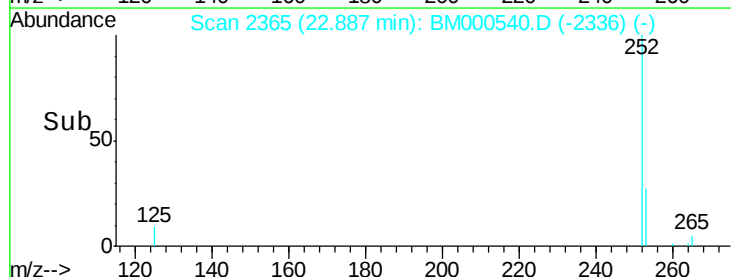
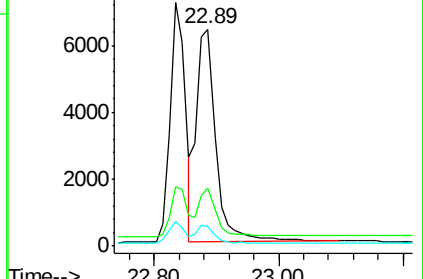
125 9.3 7.4 11.0

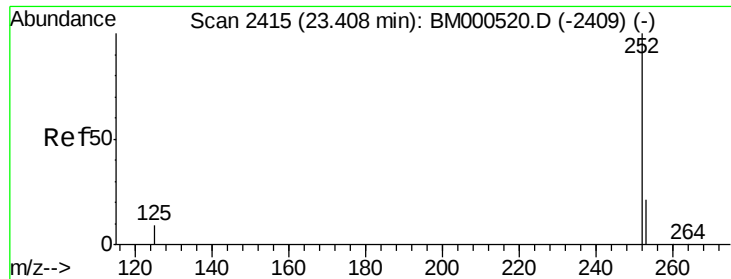


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.40 ng/ul

RT: 23.41 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BM000540.D

Acq: 16 Feb 2015 22:21

Instrument :

BNA_M

LabSampleId :

SSTDCCC0.4EC

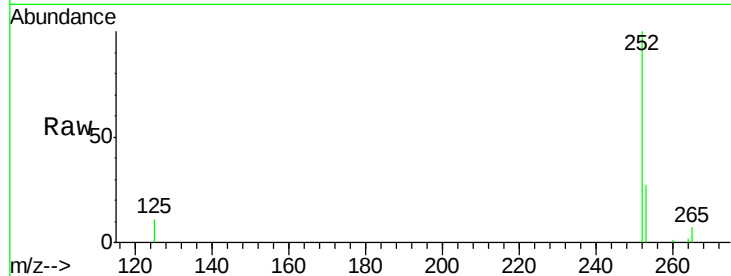
Tgt Ion:252 Resp: 11832

Ion Ratio Lower Upper

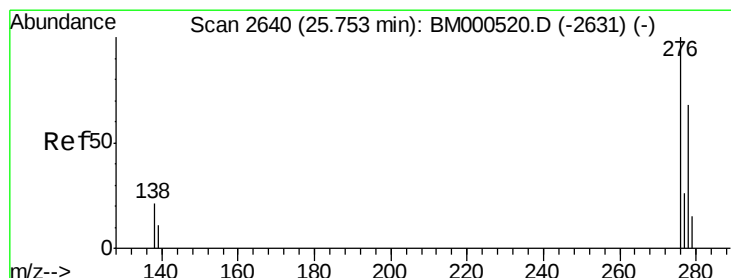
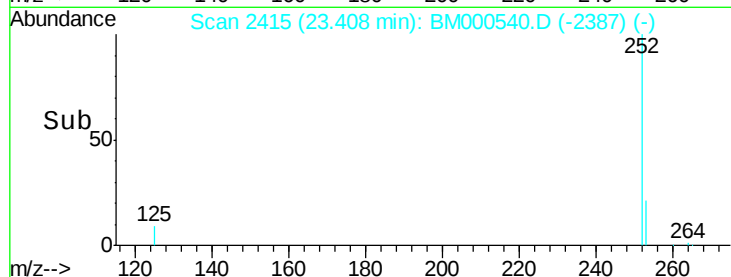
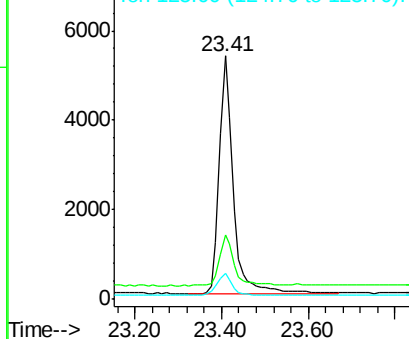
252 100

253 26.7 23.1 34.7

125 10.5 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: 0.38 ng/ul

RT: 25.75 min Scan# 2640

Delta R.T. -0.00 min

Lab File: BM000540.D

Acq: 16 Feb 2015 22:21

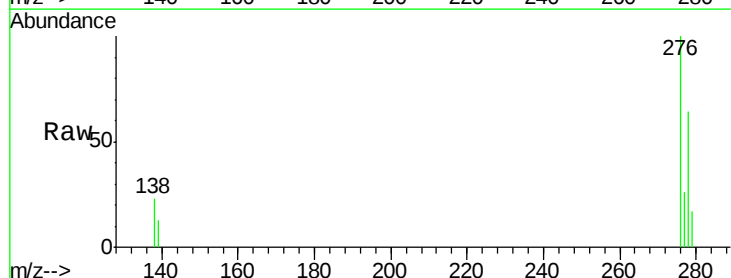
Tgt Ion:276 Resp: 12402

Ion Ratio Lower Upper

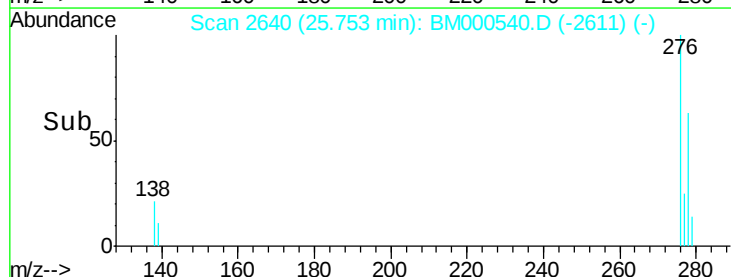
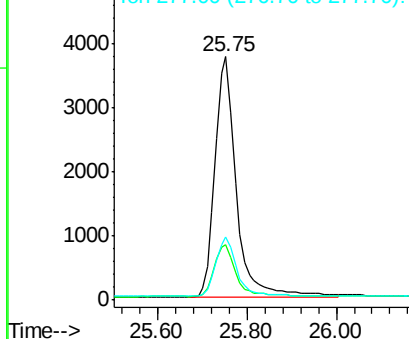
276 100

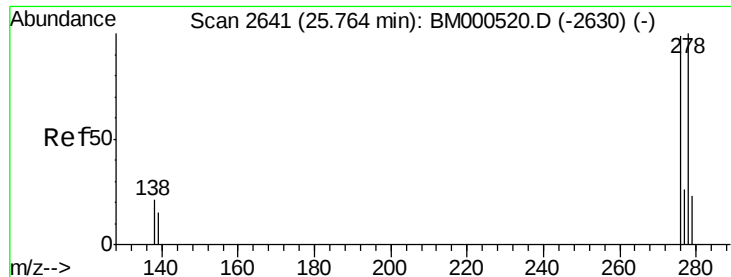
138 22.5 17.3 25.9

277 24.5 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



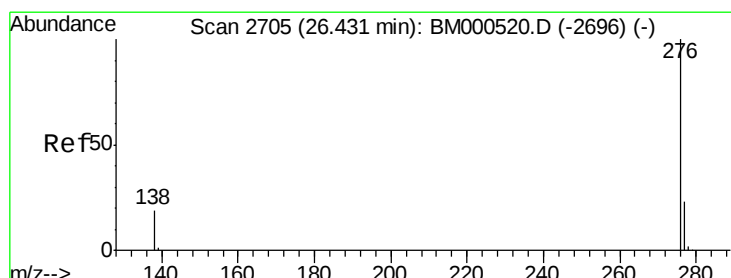
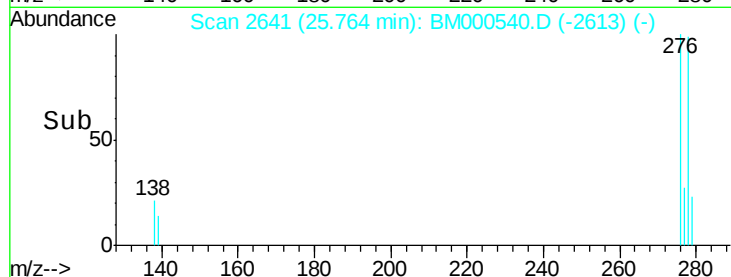
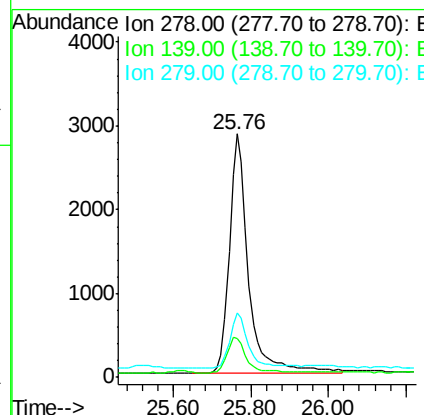
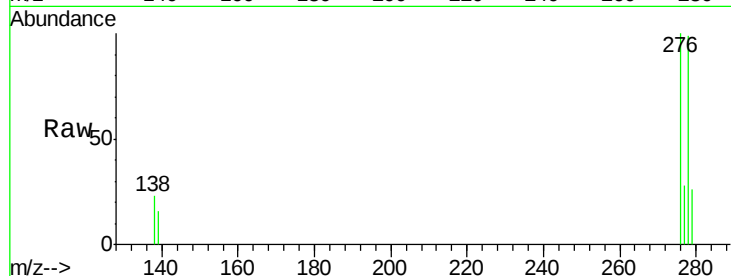


#25
Dibenzo(a,h)anthracene
Concen: 0.38 ng/ul
RT: 25.76 min Scan# 2641
Delta R.T. -0.01 min
Lab File: BM000540.D
Acq: 16 Feb 2015 22:21

Instrument :
BNA_M
LabSampleId :
SSTDCCC0.4EC

Tgt Ion: 278 Resp: 9769

Ion	Ratio	Lower	Upper
278	100		
139	16.1	12.5	18.7
279	26.7	22.2	33.2



#26
Benzo(g,h,i)perylene
Concen: 0.38 ng/ul
RT: 26.43 min Scan# 2705
Delta R.T. -0.01 min
Lab File: BM000540.D
Acq: 16 Feb 2015 22:21

Tgt Ion: 276 Resp: 11054

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.2	28.8
138	20.9	16.0	24.0

