

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020515\
 Data File : BM000427.D
 Acq On : 05 Feb 2015 12:53
 Operator : TP/IZ
 Sample : SSTD1.678
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 05 13:57:00 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM020515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 05 12:58:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	2401	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	7722	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.38	164	4600	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.12	188	9133	0.40	ng/ul	0.00
16) Chrysene-d12	21.31	240	8174	0.40	ng/ul	0.00
20) Perylene-d12	23.55	264	6995	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	16394	1.55	ng/ul	0.00
14) Fluoranthene-d10	19.15	212	31040	1.56	ng/ul	0.00

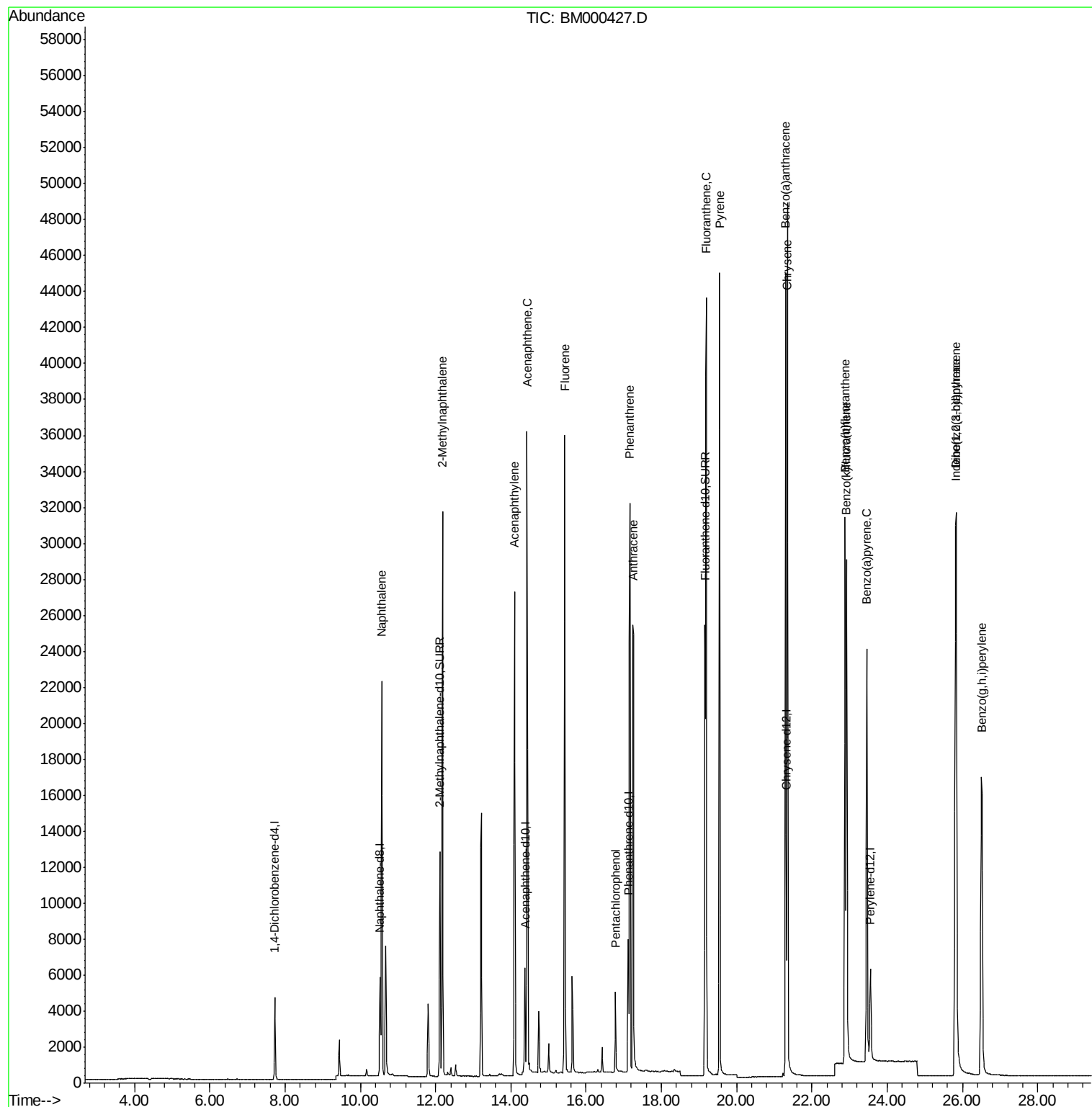
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	30723	1.57	ng/ul	98
5) 2-Methylnaphthalene	12.18	142	21566	1.55	ng/ul	99
7) Acenaphthylene	14.10	152	31620	1.65	ng/ul	98
8) Acenaphthene	14.43	153	22961	1.61	ng/ul	98
9) Fluorene	15.43	166	26980	1.54	ng/ul	100
11) Pentachlorophenol	16.78	266	3441	2.97	ng/ul	98
12) Phenanthrene	17.16	178	41286	1.56	ng/ul	97
13) Anthracene	17.24	178	38928m	1.59	ng/ul	
15) Fluoranthene	19.19	202	47997	1.59	ng/ul	99
17) Pyrene	19.55	202	47886	1.44	ng/ul	98
18) Benzo(a)anthracene	21.29	228	40434	1.61	ng/ul	97
19) Chrysene	21.34	228	43474	1.53	ng/ul	97
21) Benzo(b)fluoranthene	22.88	252	39853	1.51	ng/ul	93
22) Benzo(k)fluoranthene	22.92	252	40653	1.48	ng/ul#	90
23) Benzo(a)pyrene	23.45	252	37344	1.55	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	25.82	276	42794	1.75	ng/ul	100
25) Dibenzo(a,h)anthracene	25.83	278	34847	1.79	ng/ul	94
26) Benzo(g,h,i)perylene	26.50	276	36865	1.74	ng/ul	97

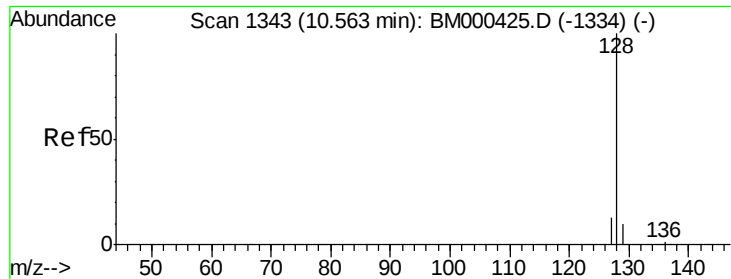
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :

Quant Time: Feb 05 13:57:00 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM020515.M
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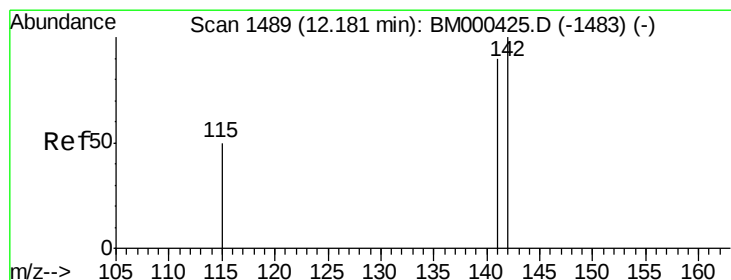
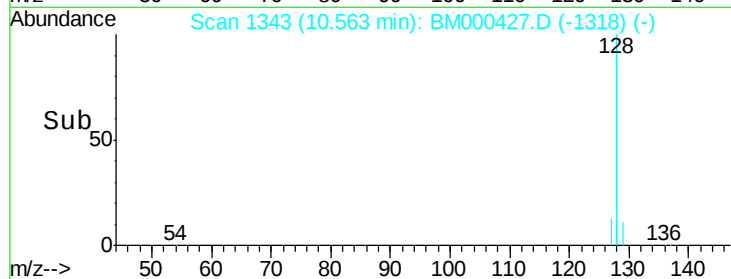
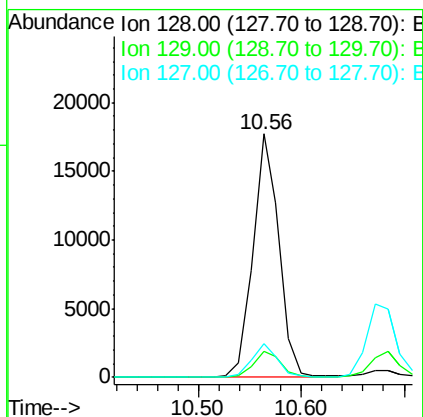
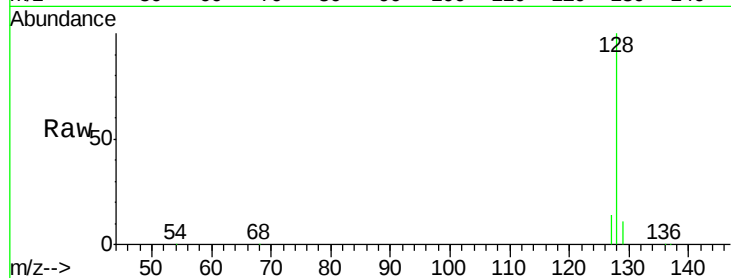




#3
Naphthalene
Concen: 1.57 ng/ul
RT: 10.56 min Scan# 1343
Delta R.T. 0.00 min
Lab File: BM000427.D
Acq: 05 Feb 2015 12:53

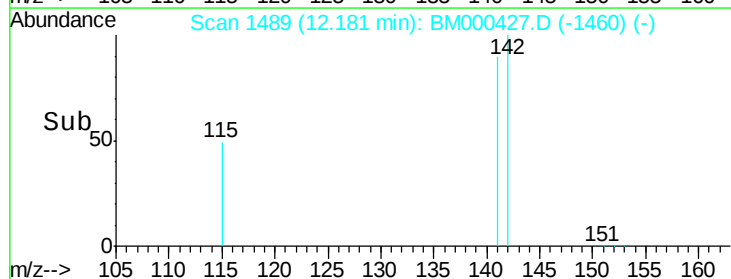
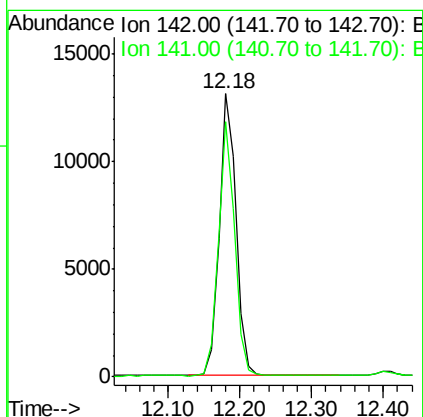
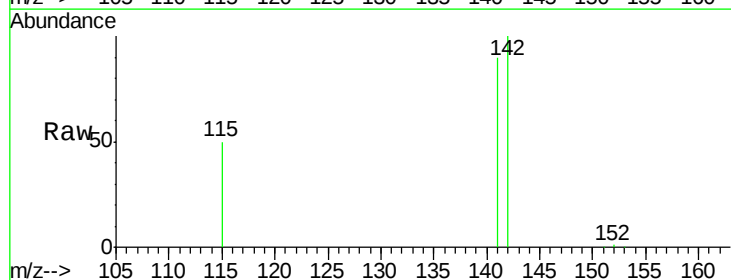
Instrument :
BNA_M
ClientSampleId :

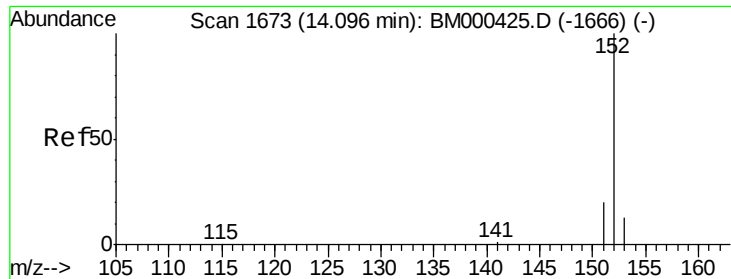
Tgt Ion:128 Resp: 30723
Ion Ratio Lower Upper
128 100
129 10.8 9.2 13.8
127 13.7 11.4 17.0



#5
2-Methylnaphthalene
Concen: 1.55 ng/ul
RT: 12.18 min Scan# 1489
Delta R.T. 0.00 min
Lab File: BM000427.D
Acq: 05 Feb 2015 12:53

Tgt Ion:142 Resp: 21566
Ion Ratio Lower Upper
142 100
141 87.7 71.0 106.6





#7

Acenaphthylene

Concen: 1.65 ng/ul

RT: 14.10 min Scan# 1673

Delta R.T. 0.00 min

Lab File: BM000427.D

Acq: 05 Feb 2015 12:53

Instrument :

BNA_M

ClientSampleId :

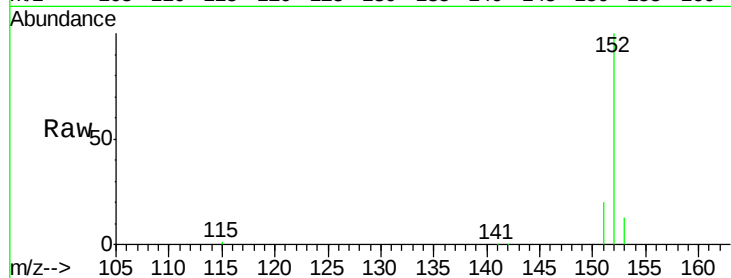
Tgt Ion:152 Resp: 31620

Ion Ratio Lower Upper

152 100

151 19.8 16.6 25.0

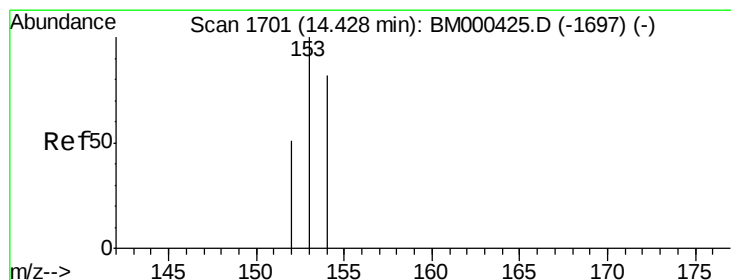
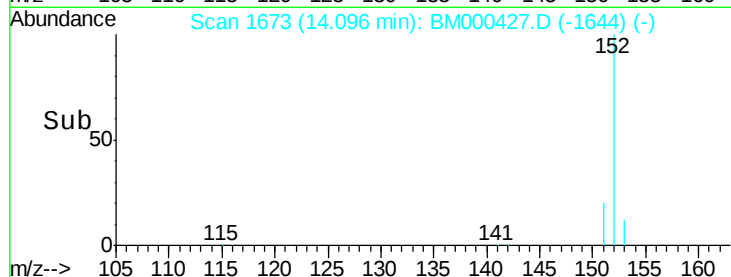
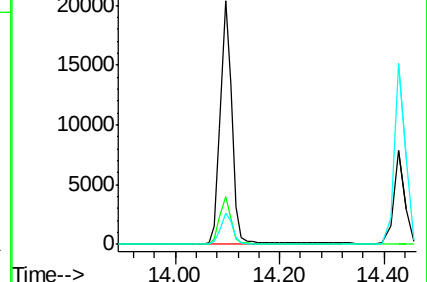
153 12.7 11.2 16.8



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: 1.61 ng/ul

RT: 14.43 min Scan# 1701

Delta R.T. 0.00 min

Lab File: BM000427.D

Acq: 05 Feb 2015 12:53

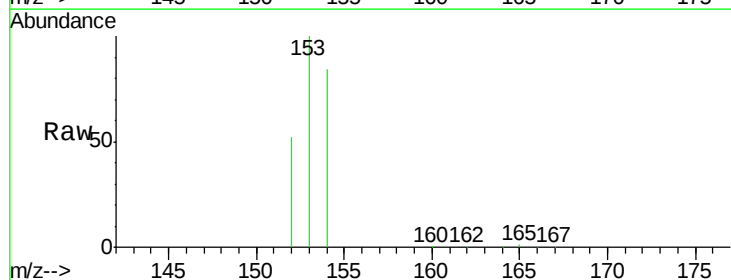
Tgt Ion:153 Resp: 22961

Ion Ratio Lower Upper

153 100

152 51.7 41.8 62.8

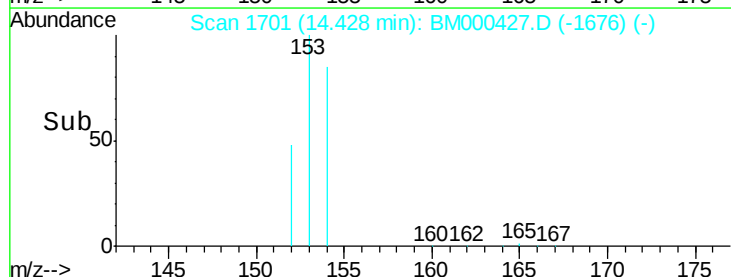
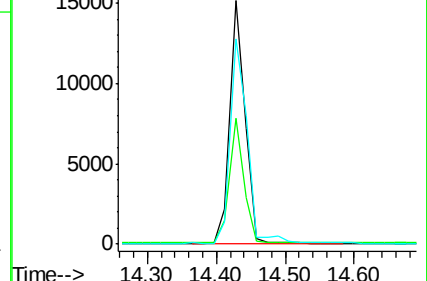
154 84.3 65.6 98.4

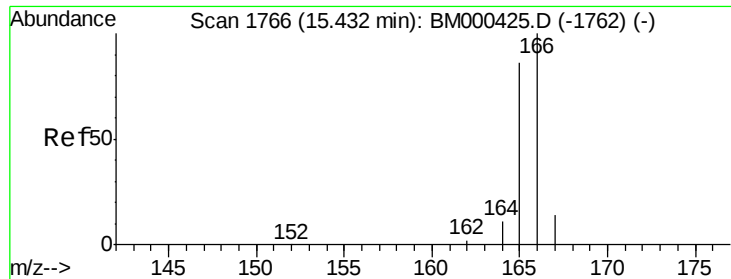


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

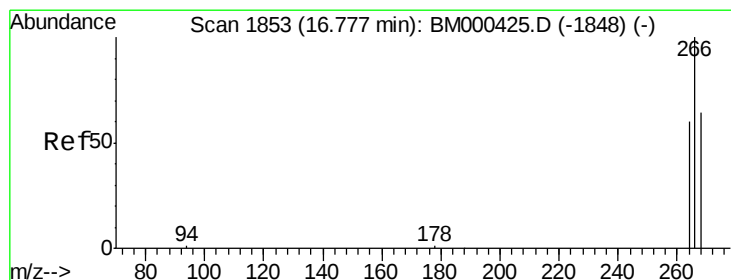
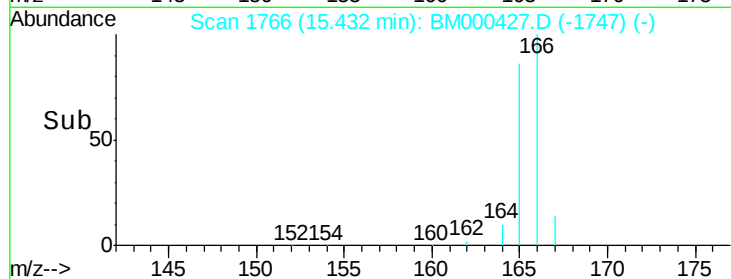
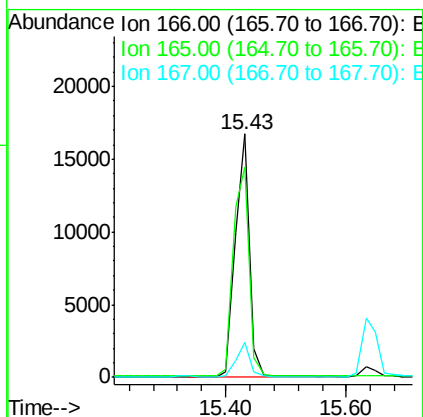
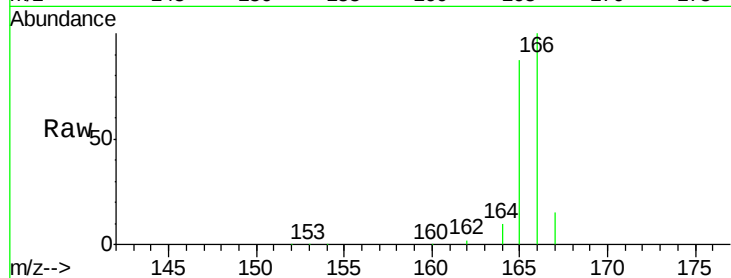




#9
Fluorene
 Concen: 1.54 ng/ul
 RT: 15.43 min Scan# 1766
 Delta R.T. 0.00 min
 Lab File: BM000427.D
 Acq: 05 Feb 2015 12:53

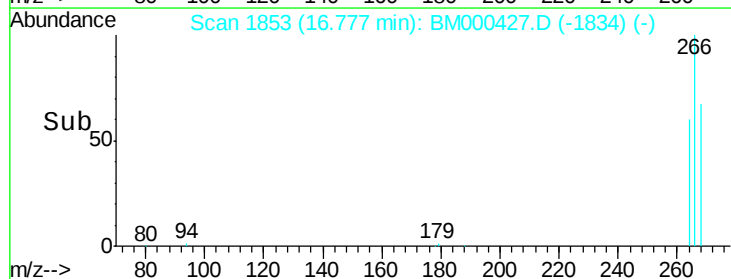
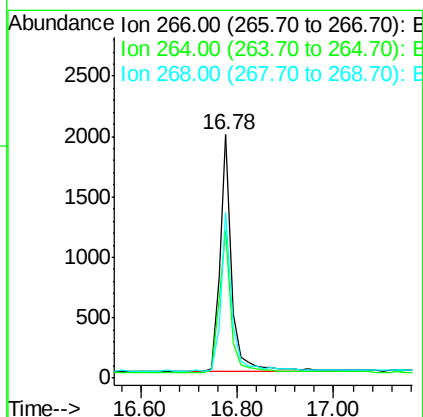
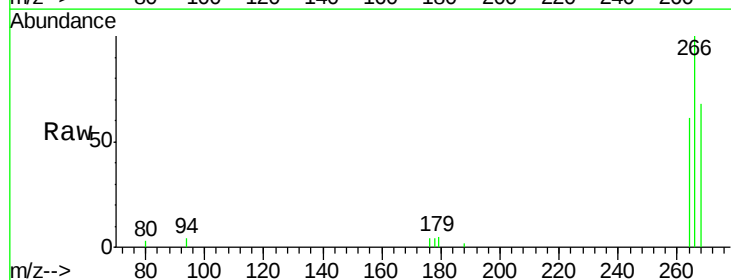
Instrument :
 BNA_M
 ClientSampleId :

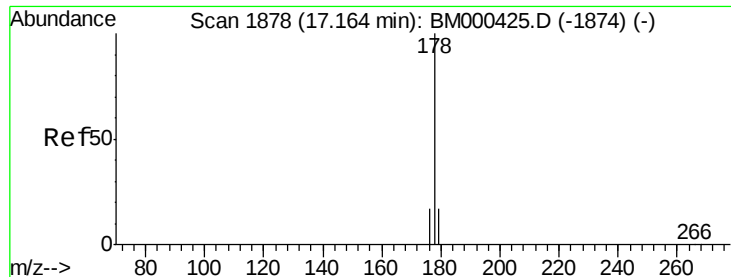
Tgt Ion:166 Resp: 26980
 Ion Ratio Lower Upper
 166 100
 165 86.6 69.4 104.0
 167 14.6 12.4 18.6



#11
Pentachlorophenol
 Concen: 2.97 ng/ul
 RT: 16.78 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: BM000427.D
 Acq: 05 Feb 2015 12:53

Tgt Ion:266 Resp: 3441
 Ion Ratio Lower Upper
 266 100
 264 61.7 49.8 74.8
 268 63.8 49.4 74.0





#12

Phenanthrene

Concen: 1.56 ng/ul

RT: 17.16 min Scan# 1878

Delta R.T. 0.00 min

Lab File: BM000427.D

Acq: 05 Feb 2015 12:53

Instrument :

BNA_M

ClientSampleId :

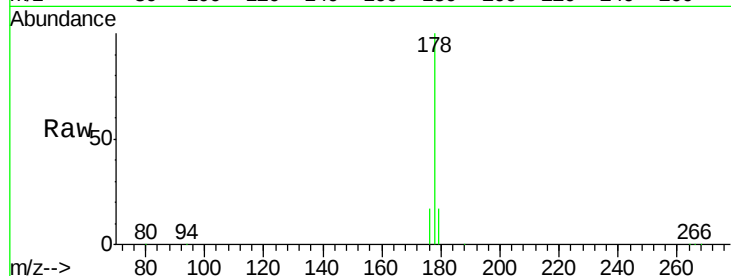
Tgt Ion:178 Resp: 41286

Ion Ratio Lower Upper

178 100

176 16.9 14.3 21.5

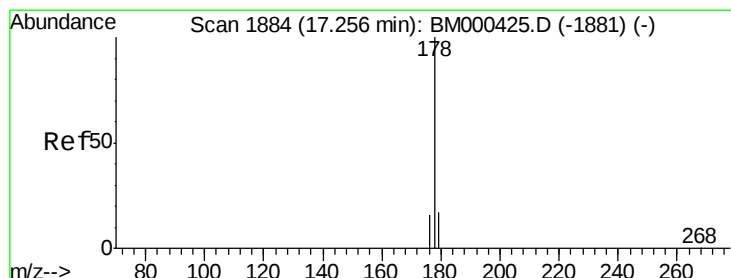
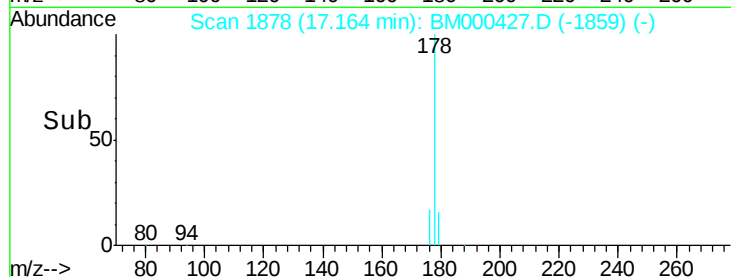
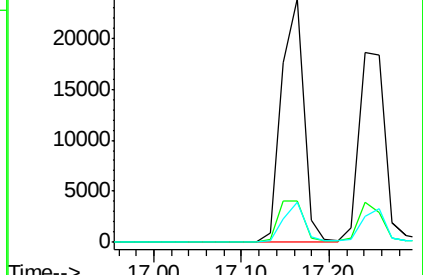
179 16.7 14.4 21.6



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: 1.59 ng/ul m

RT: 17.24 min Scan# 1883

Delta R.T. -0.02 min

Lab File: BM000427.D

Acq: 05 Feb 2015 12:53

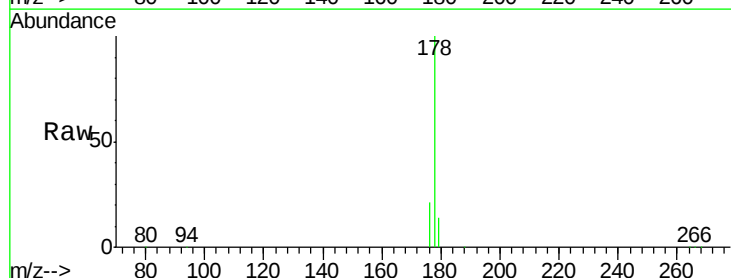
Tgt Ion:178 Resp: 38928

Ion Ratio Lower Upper

178 100

176 21.3 13.8 20.8#

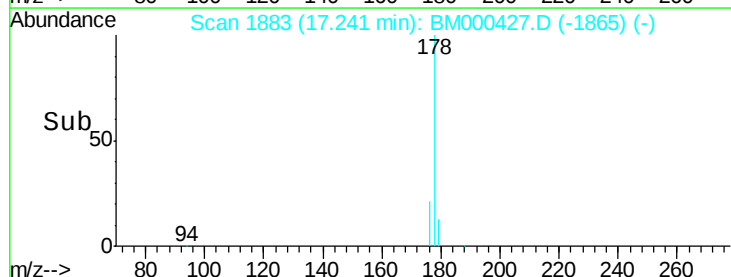
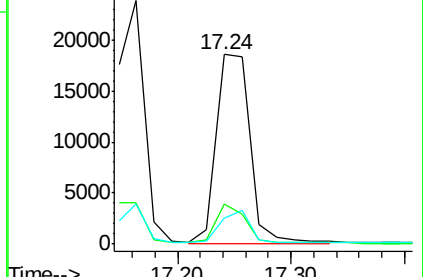
179 13.8 14.8 22.2#

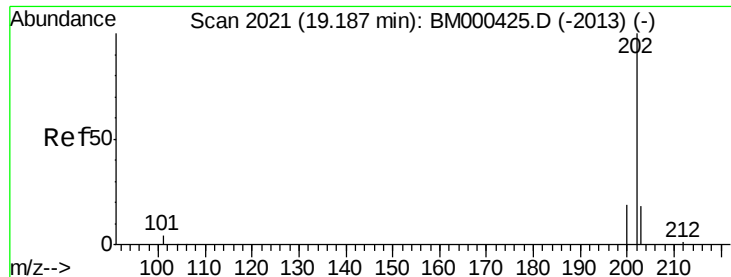


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

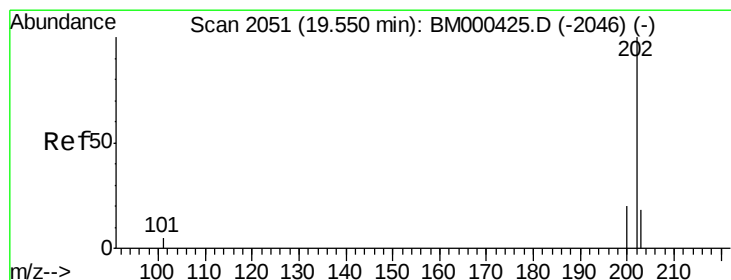
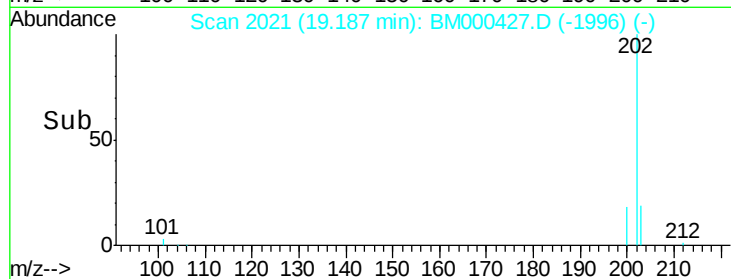
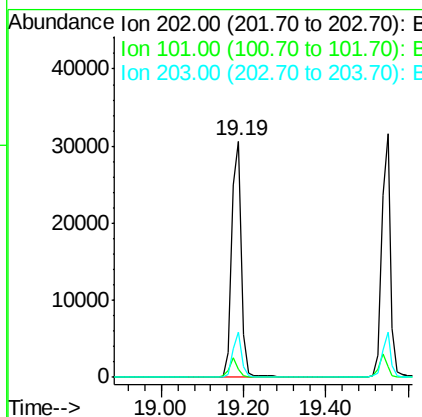
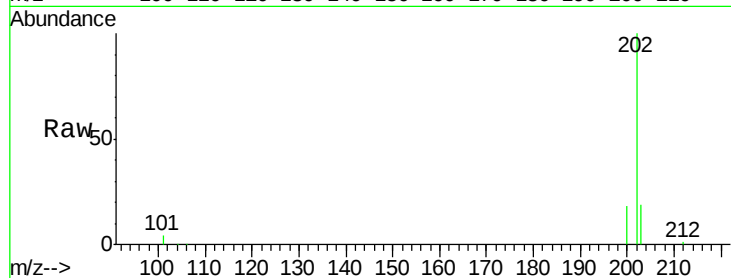




#15
Fluoranthene
Concen: 1.59 ng/ul
RT: 19.19 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BM000427.D
Acq: 05 Feb 2015 12:53

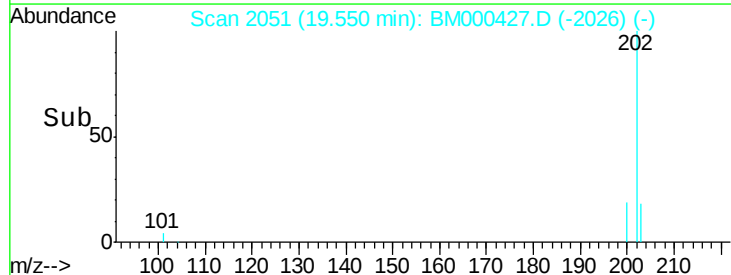
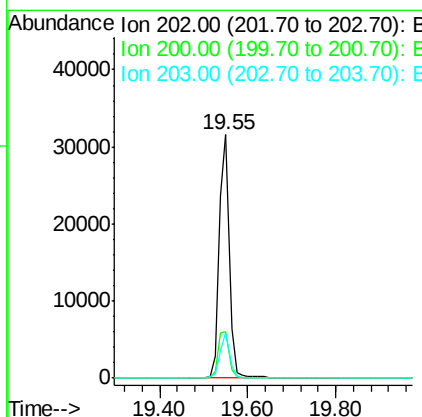
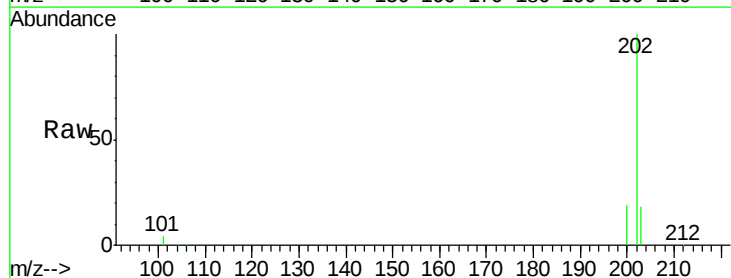
Instrument :
BNA_M
ClientSampleId :

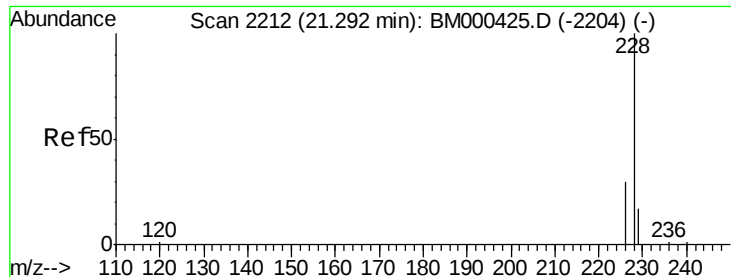
Tgt Ion:202 Resp: 47997
Ion Ratio Lower Upper
202 100
101 3.5 0.0 24.6
203 18.9 0.0 38.9



#17
Pyrene
Concen: 1.44 ng/ul
RT: 19.55 min Scan# 2051
Delta R.T. 0.00 min
Lab File: BM000427.D
Acq: 05 Feb 2015 12:53

Tgt Ion:202 Resp: 47886
Ion Ratio Lower Upper
202 100
200 18.9 16.3 24.5
203 18.5 14.7 22.1





#18

Benzo(a)anthracene

Concen: 1.61 ng/ul

RT: 21.29 min Scan# 2212

Delta R.T. 0.00 min

Lab File: BM000427.D

Acq: 05 Feb 2015 12:53

Instrument :

BNA_M

ClientSampleId :

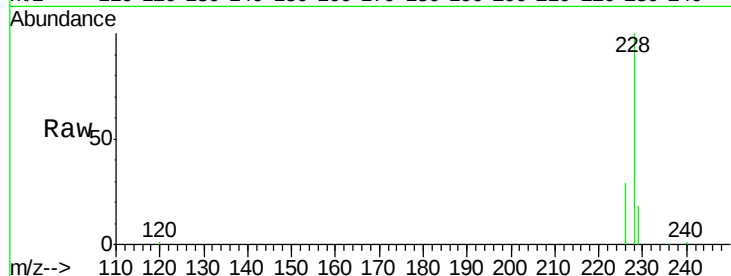
Tgt Ion:228 Resp: 40434

Ion Ratio Lower Upper

228 100

226 28.5 24.5 36.7

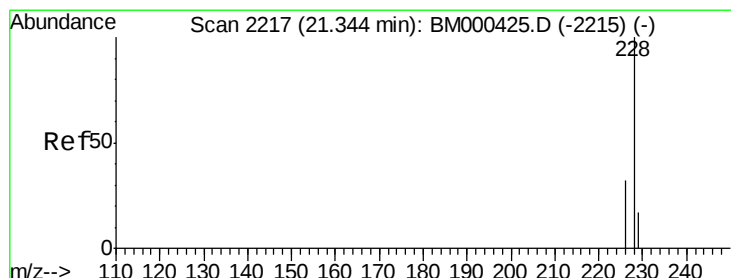
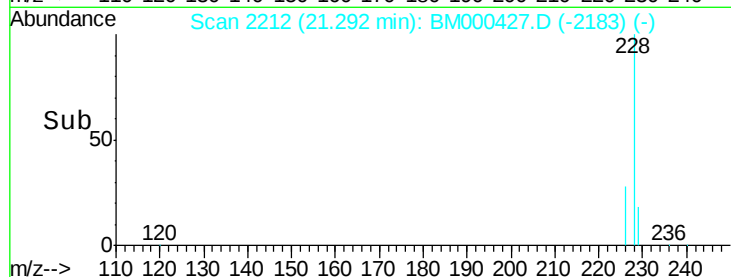
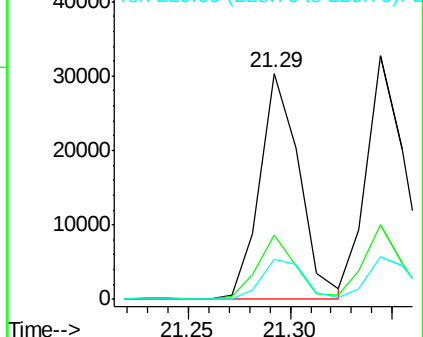
229 17.9 14.0 21.0



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



#19

Chrysene

Concen: 1.53 ng/ul

RT: 21.34 min Scan# 2217

Delta R.T. 0.00 min

Lab File: BM000427.D

Acq: 05 Feb 2015 12:53

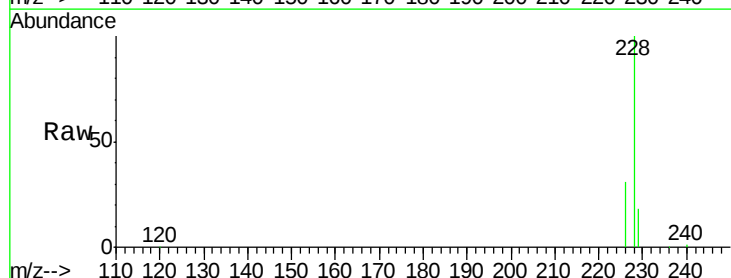
Tgt Ion:228 Resp: 43474

Ion Ratio Lower Upper

228 100

226 30.6 26.2 39.4

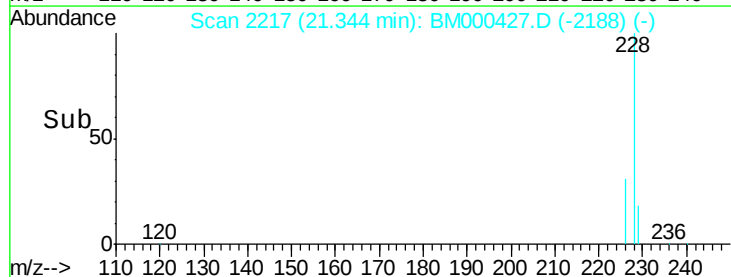
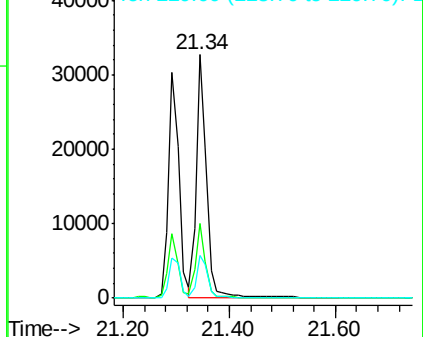
229 17.8 14.6 22.0

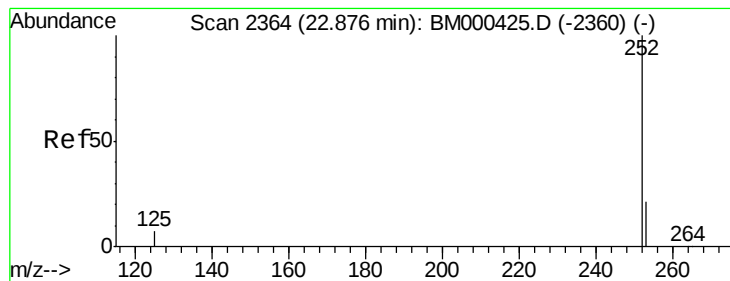


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 1.51 ng/u1

RT: 22.88 min Scan# 2364

Delta R.T. 0.00 min

Lab File: BM000427.D

Acq: 05 Feb 2015 12:53

Instrument :

BNA_M

ClientSampleId :

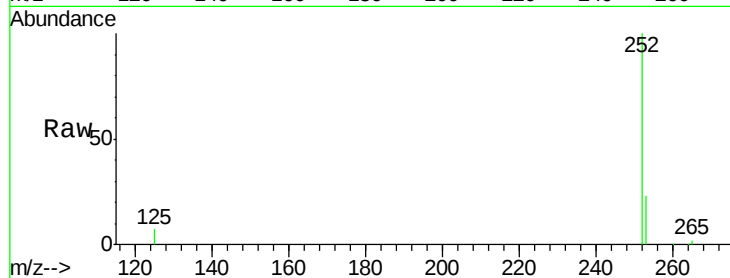
Tgt Ion:252 Resp: 39853

Ion Ratio Lower Upper

252 100

253 22.6 0.0 53.8

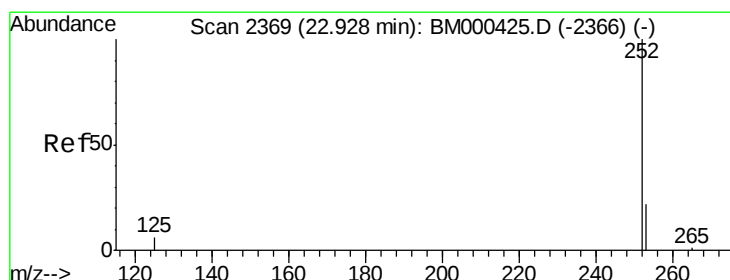
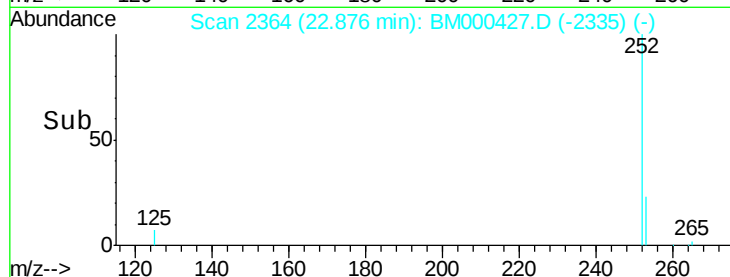
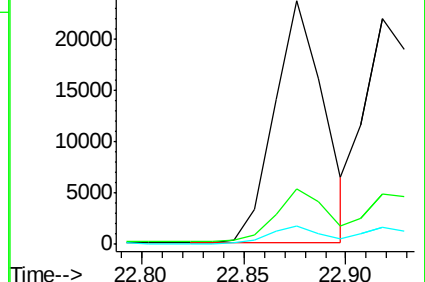
125 7.4 0.0 18.0



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



#22

Benzo(k)fluoranthene

Concen: 1.48 ng/u1

RT: 22.92 min Scan# 2368

Delta R.T. -0.01 min

Lab File: BM000427.D

Acq: 05 Feb 2015 12:53

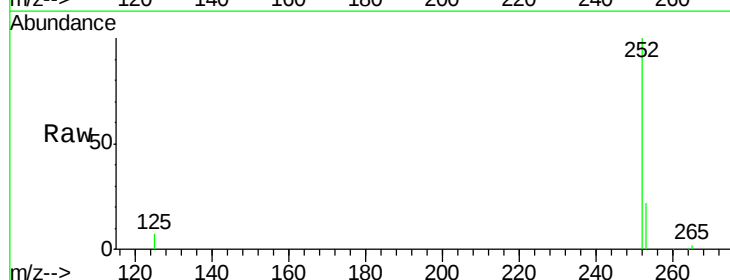
Tgt Ion:252 Resp: 40653

Ion Ratio Lower Upper

252 100

253 22.2 23.3 34.9#

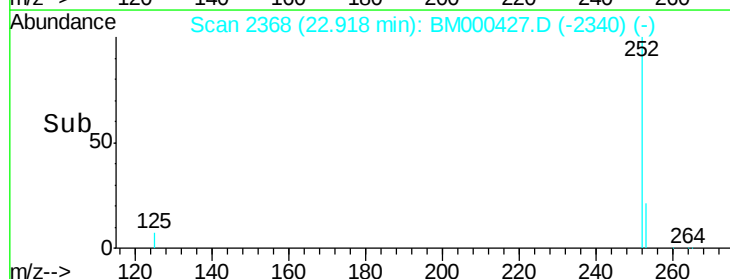
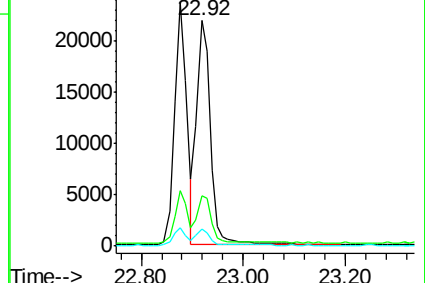
125 7.5 6.2 9.4

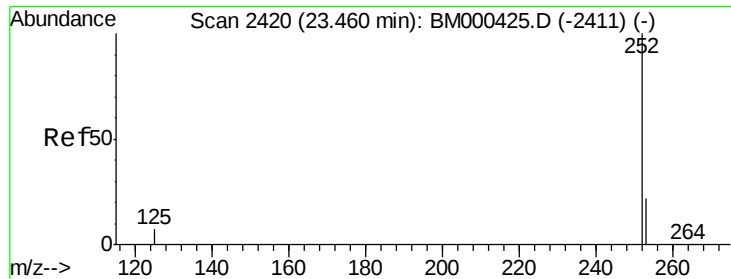


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.55 ng/ul

RT: 23.45 min Scan# 2419

Delta R.T. -0.01 min

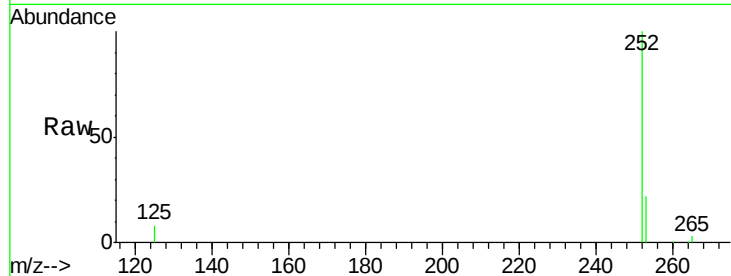
Lab File: BM000427.D

Acq: 05 Feb 2015 12:53

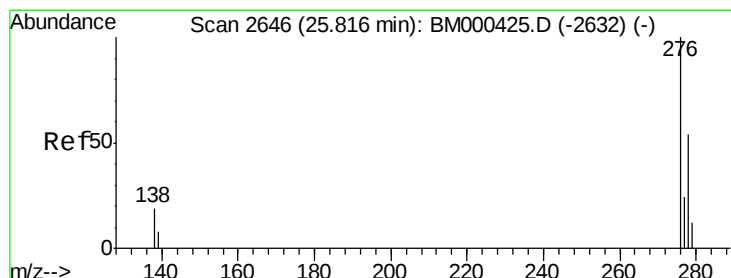
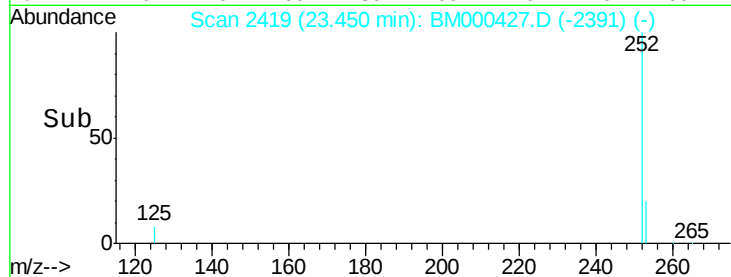
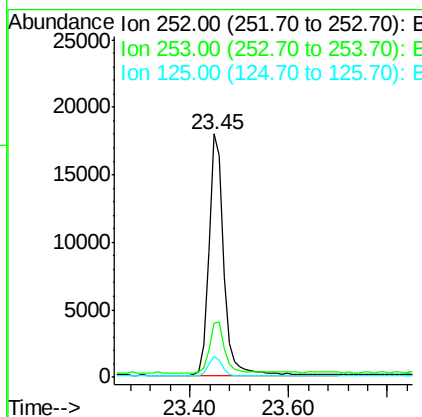
Instrument :

BNA_M

ClientSampled :



Tgt Ion:	252	Resp:	37344
Ion	Ratio	Lower	Upper
252	100		
253	22.2	24.0	36.0#
125	8.4	7.4	11.0



#24

Indeno(1,2,3-cd)pyrene

Concen: 1.75 ng/ul

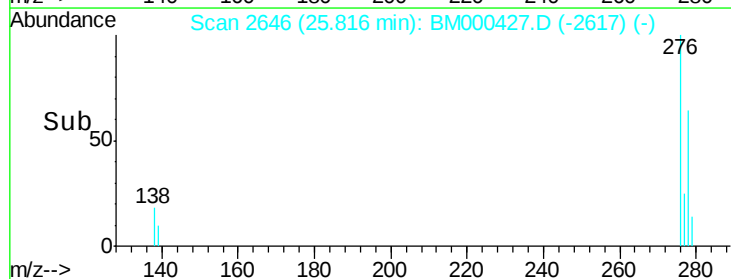
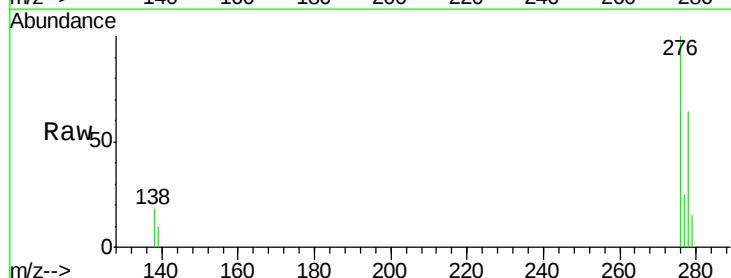
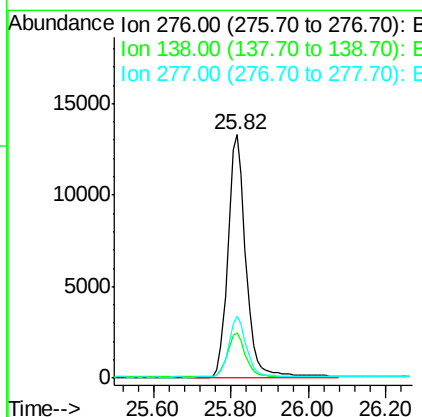
RT: 25.82 min Scan# 2646

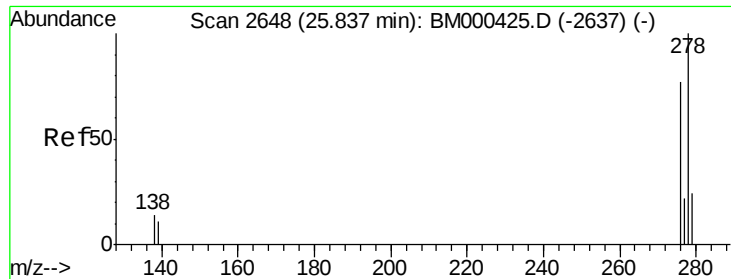
Delta R.T. 0.00 min

Lab File: BM000427.D

Acq: 05 Feb 2015 12:53

Tgt Ion:	276	Resp:	42794
Ion	Ratio	Lower	Upper
276	100		
138	18.6	15.0	22.4
277	25.0	19.8	29.8



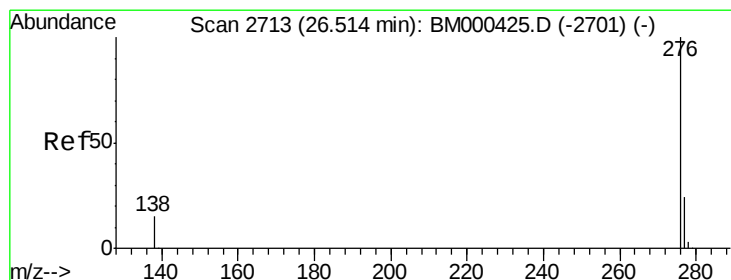
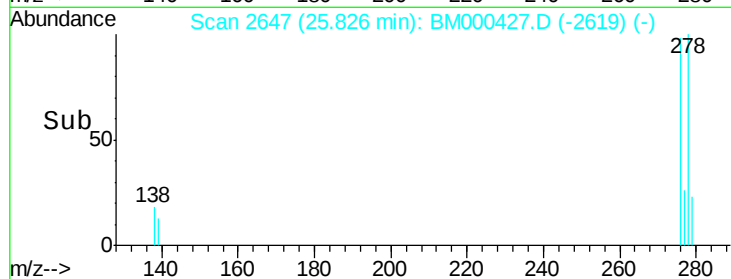
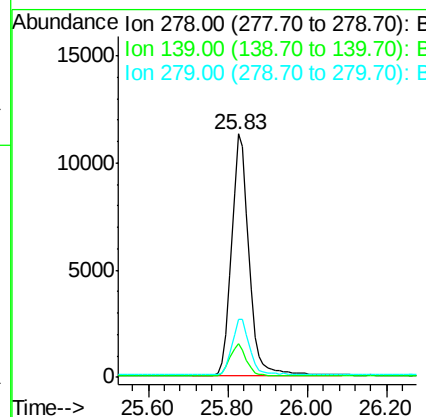
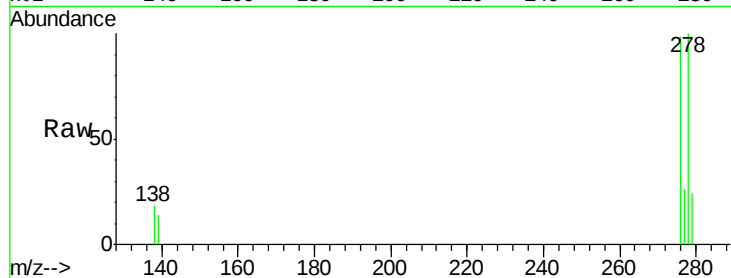


#25
Dibenzo(a,h)anthracene
Concen: 1.79 ng/ul
RT: 25.83 min Scan# 2647
Delta R.T. -0.01 min
Lab File: BM000427.D
Acq: 05 Feb 2015 12:53

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 278 Resp: 34847

Ion	Ratio	Lower	Upper
278	100		
139	13.7	10.9	16.3
279	23.6	22.3	33.5



#26
Benzo(g,h,i)perylene
Concen: 1.74 ng/ul
RT: 26.50 min Scan# 2712
Delta R.T. -0.01 min
Lab File: BM000427.D
Acq: 05 Feb 2015 12:53

Tgt Ion: 276 Resp: 36865

Ion	Ratio	Lower	Upper
276	100		
277	23.3	20.6	30.8
138	16.7	13.9	20.9

