

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002432.D
 Acq On : 15 Aug 2015 19:37
 Operator : UM/IZ
 Sample : G3219-11
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DA4

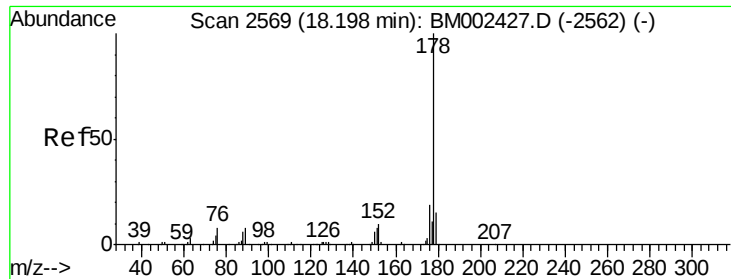
Quant Time: Aug 17 05:18:00 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 05:12:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	174470	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	790605	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	424685	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	833962	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	551490	20.00	ng/ul	0.00
22) Perylene-d12	24.74	264	295138	20.00	ng/ul	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.16	160	582407	13.41	ng/ul	0.00
10) Fluorene-d10	16.42	176	386373	12.67	ng/ul	0.00
14) Anthracene-d10	18.26	188	517772	12.87	ng/ul	0.00
18) Pyrene-d10	20.47	212	419718	17.17	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.56	264	210	0.01	ng/ul	-0.16

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Phenanthrene	18.20	178	328395	6.82	ng/ul	100
15) Anthracene	18.29	178	66962	1.37	ng/ul	99
16) Fluoranthene	20.14	202	1307053	23.97	ng/ul	99
19) Pyrene	20.50	202	1285755	39.80	ng/ul	99
20) Benzo(a)anthracene	22.22	228	1520217	46.10	ng/ul	99
21) Chrysene	22.28	228	1822338	59.08	ng/ul	97
24) Benzo(k)fluoranthene	24.10	252	3698892	218.76	ng/ul	98
26) Benzo(a)pyrene	24.69	252	2036052	119.47	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	27.53	276	26237	1.34	ng/ul#	62

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



#13

Phenanthrene

Concen: 6.82 ng/ul

RT: 18.20 min Scan# 2570

Delta R.T. 0.01 min

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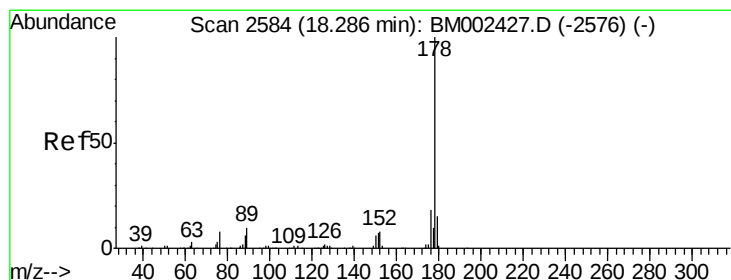
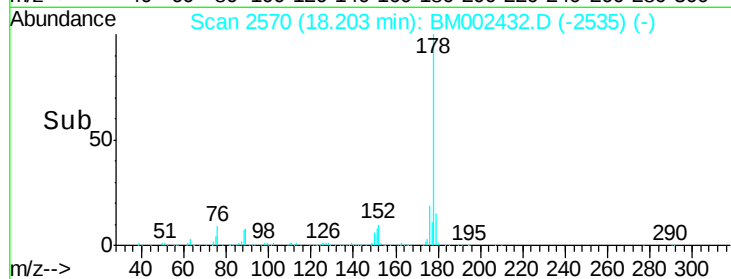
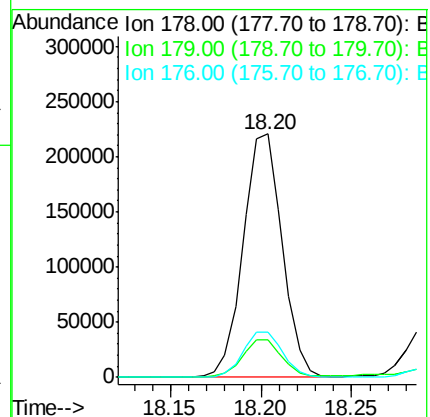
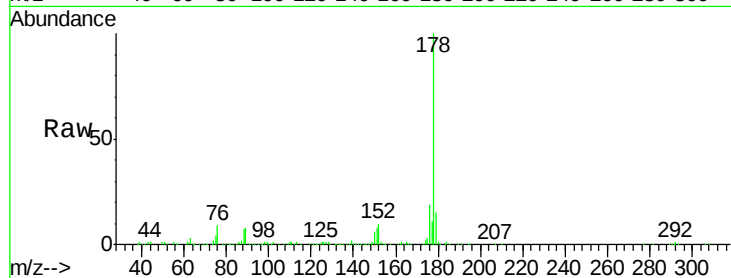
Tot Ion:178 Resp: 328395

Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

176 18.7 15.1 22.7



#15

Anthracene

Concen: 1.37 ng/ul

RT: 18.29 min Scan# 2585

Delta R.T. 0.01 min

Lab File: BM002432.D

Acq: 15 Aug 2015 19:37

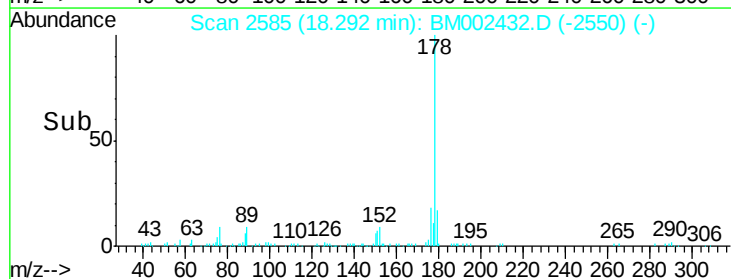
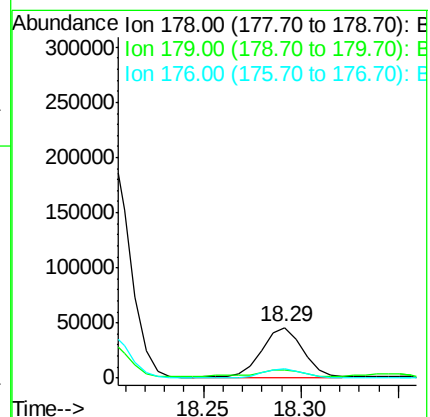
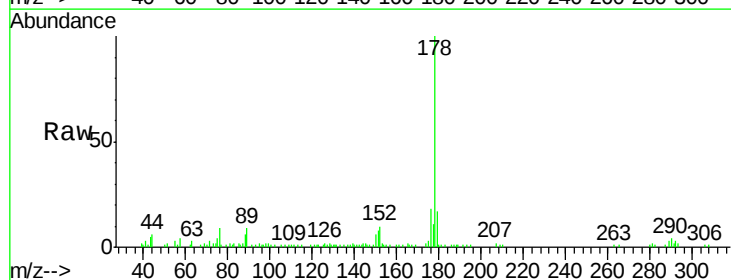
Tgt Ion:178 Resp: 66962

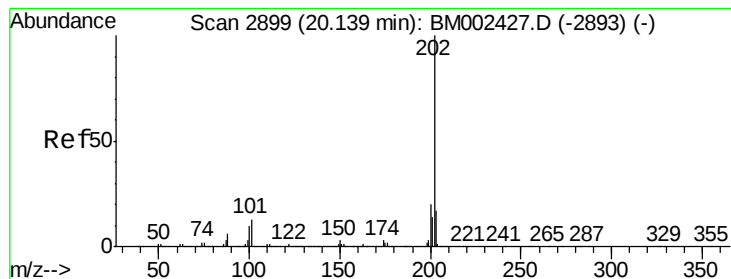
Ion Ratio Lower Upper

178 100

179 16.9 12.6 18.8

176 18.2 14.5 21.7





#16

Fluoranthene

Concen: 23.97 ng/ul

RT: 20.14 min Scan# 2900

Delta R.T. 0.01 min

Lab File: BM002432.D

Acq: 15 Aug 2015 19:37

Instrument :

BNA_M

ClientSampleId :

D9DA4

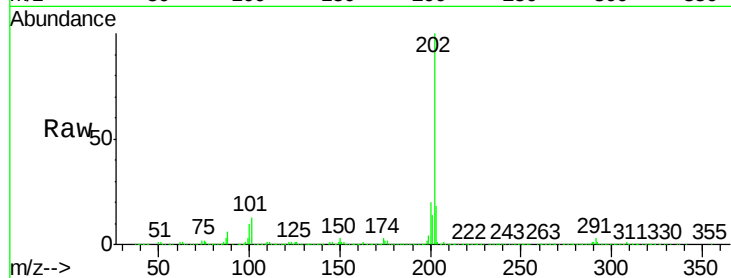
Tot Ion:202 Resp: 1307053

Ion Ratio Lower Upper

202 100

101 12.7 9.7 14.5

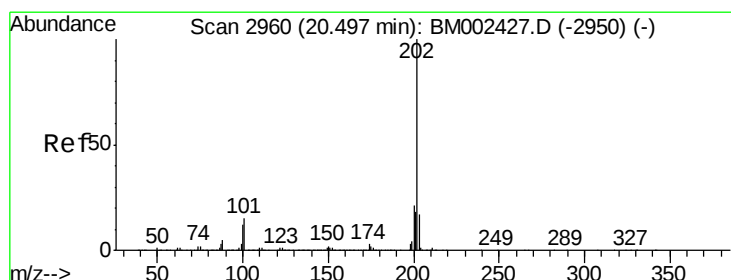
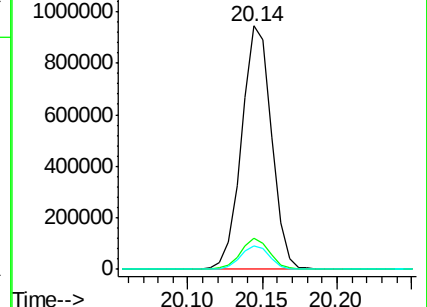
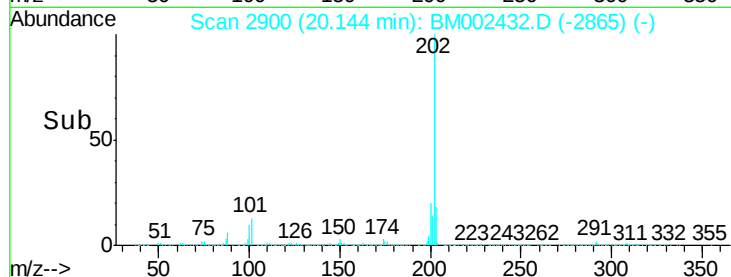
100 9.7 7.4 11.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#19

Pyrene

Concen: 39.80 ng/ul

RT: 20.50 min Scan# 2961

Delta R.T. 0.01 min

Lab File: BM002432.D

Acq: 15 Aug 2015 19:37

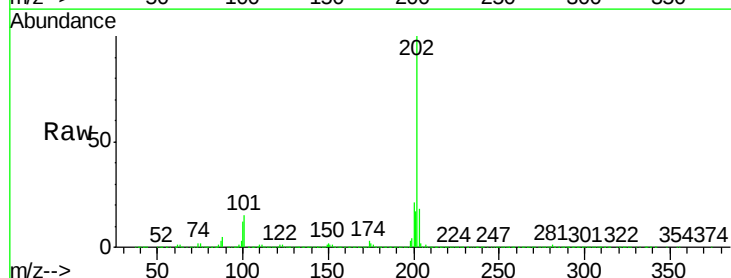
Tgt Ion:202 Resp: 1285755

Ion Ratio Lower Upper

202 100

101 14.6 12.0 18.0

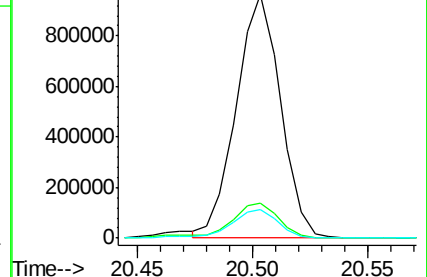
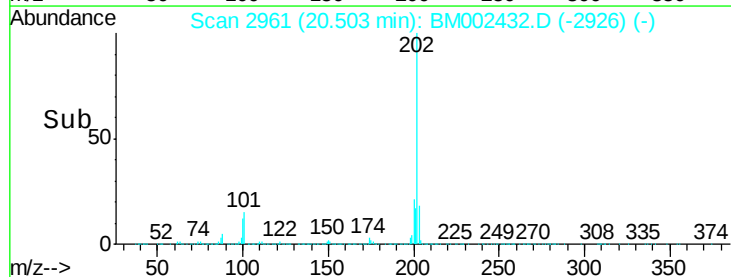
100 11.8 9.7 14.5

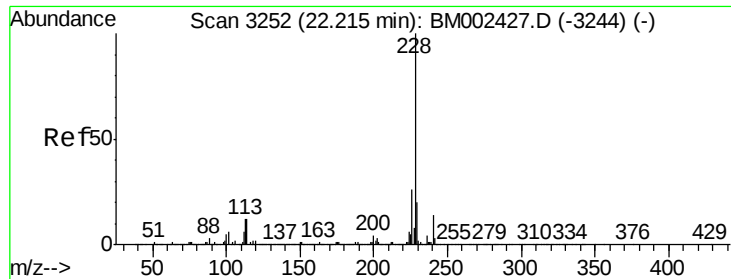


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 46.10 ng/ul

RT: 22.22 min Scan# 3253

Delta R.T. 0.01 min

Lab File: BM002432.D

Acq: 15 Aug 2015 19:37

Instrument :

BNA_M

ClientSampleId :

D9DA4

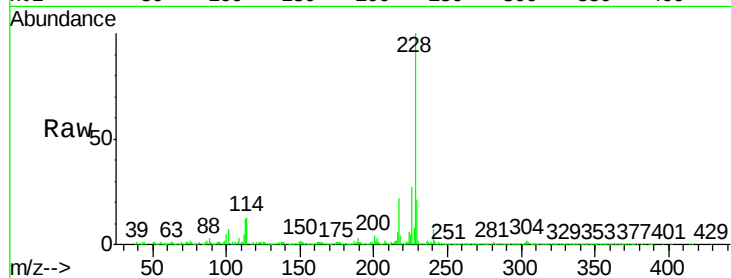
Tot Ion:228 Resp: 1520217

Ion Ratio Lower Upper

228 100

229 20.7 15.8 23.6

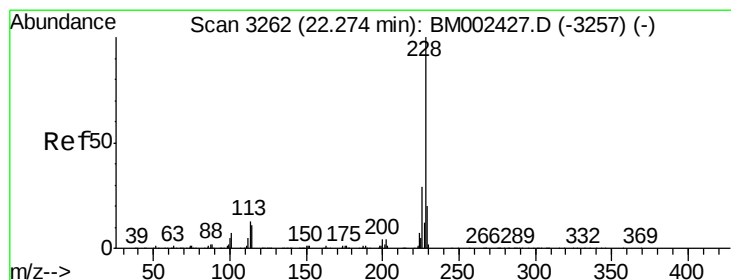
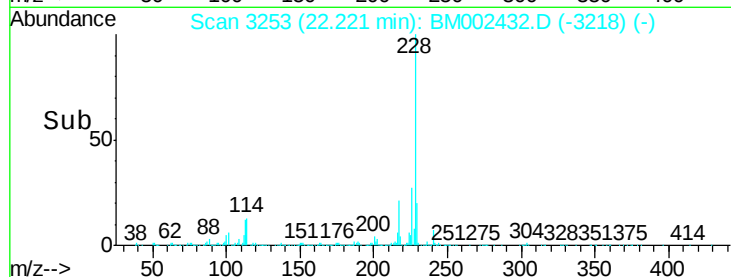
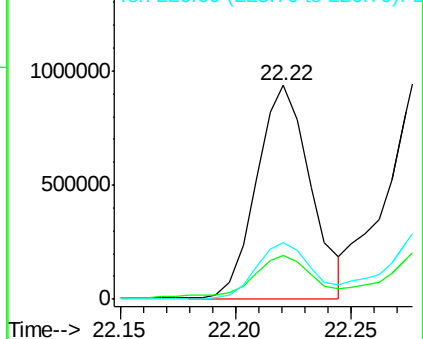
226 26.8 21.1 31.7



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#21

Chrysene

Concen: 59.08 ng/ul

RT: 22.28 min Scan# 3263

Delta R.T. 0.01 min

Lab File: BM002432.D

Acq: 15 Aug 2015 19:37

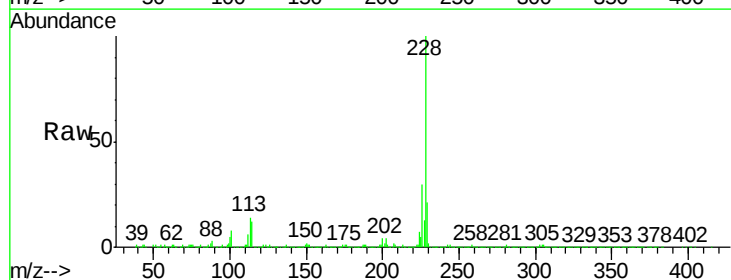
Tgt Ion:228 Resp: 1822338

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.2

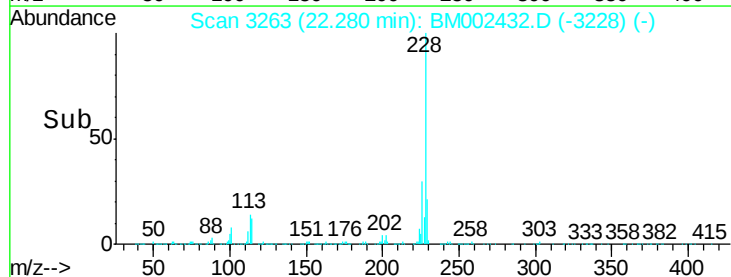
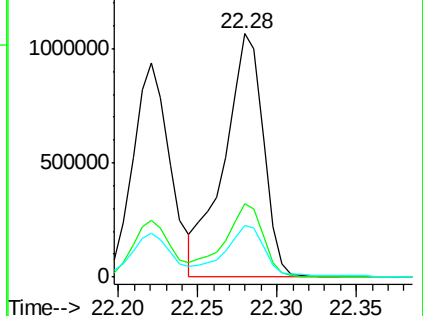
229 21.2 15.7 23.5

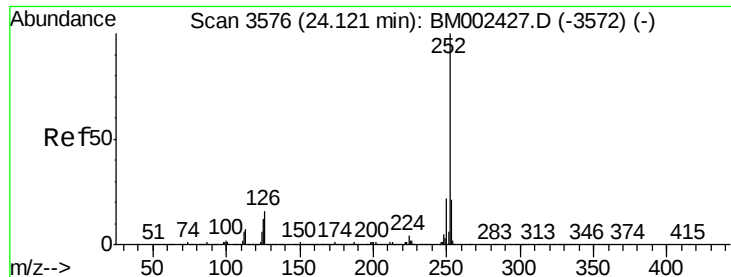


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

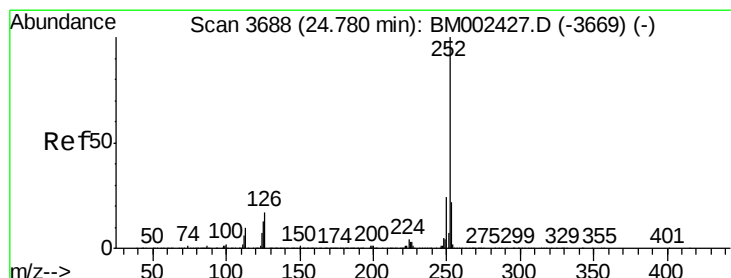
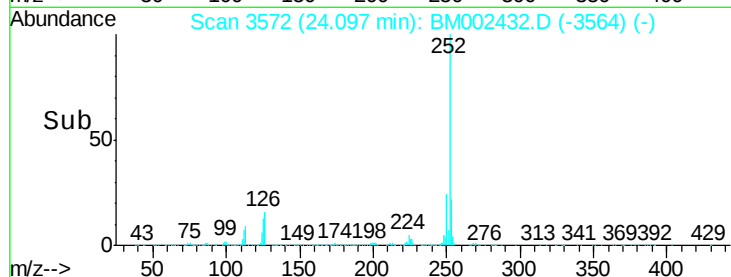
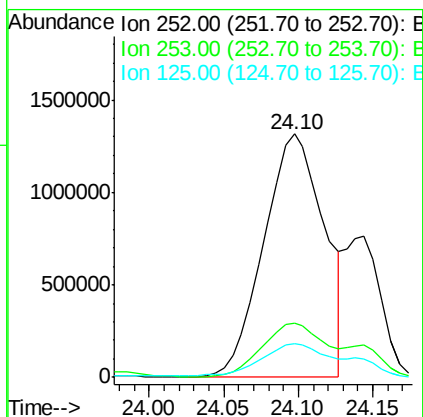
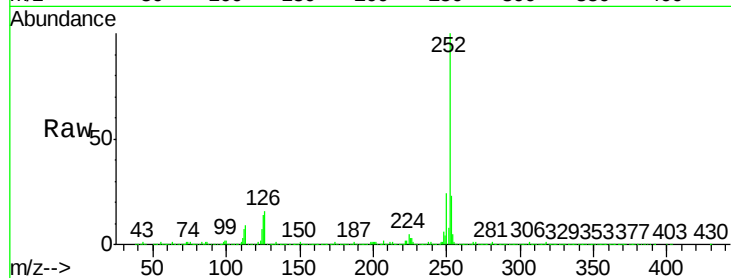




#24
Benzo(k)fluoranthene
Concen: 218.76 ng/ul
RT: 24.10 min Scan# 3572
Delta R.T. -0.02 min
Lab File: BM002432.D
Acq: 15 Aug 2015 19:37

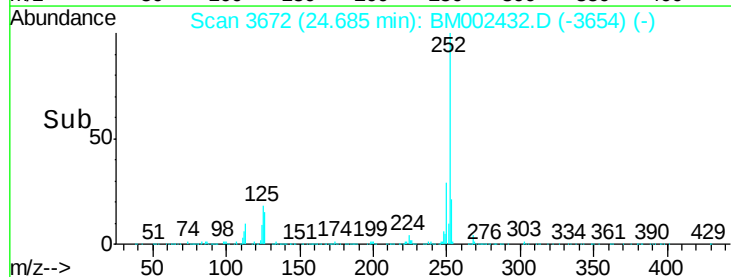
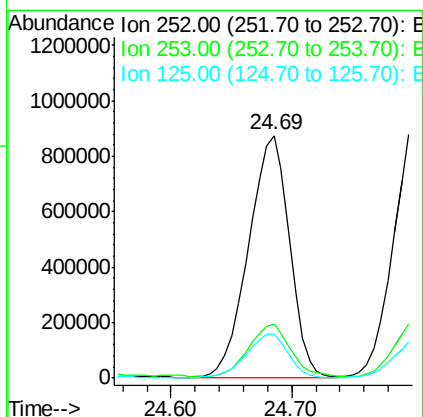
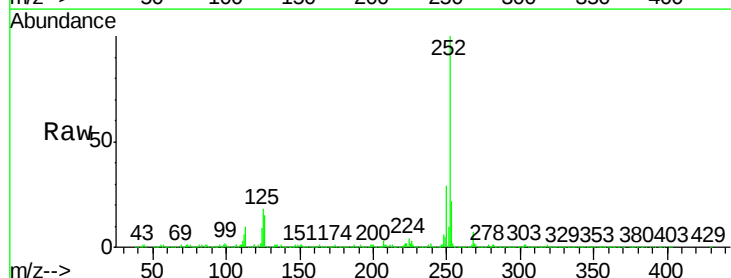
Instrument :
BNA_M
ClientSampleId :
D9DA4

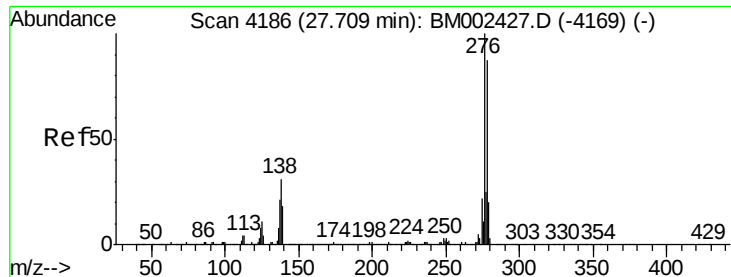
Tot Ion:252 Resp: 3698892
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 13.7 9.8 14.8



#26
Benzo(a)pyrene
Concen: 119.47 ng/ul
RT: 24.69 min Scan# 3672
Delta R.T. -0.09 min
Lab File: BM002432.D
Acq: 15 Aug 2015 19:37

Tgt Ion:252 Resp: 2036052
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 18.1 10.7 16.1#





#27
 Indeno(1,2,3-cd)pyrene
 Concen: 1.34 ng/ul
 RT: 27.53 min Scan# 4155
 Delta R.T. -0.18 min
 Lab File: BM002432.D
 Acq: 15 Aug 2015 19:37

Instrument :
 BNA_M
 ClientSampleId :
 D9DA4

Tot Ion: 276 Resp: 26237
 Ion Ratio Lower Upper
 276 100
 138 45.7 25.3 37.9#
 277 51.7 20.2 30.2#

