

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002406.D
 Acq On : 15 Aug 2015 03:42
 Operator : UM/IZ
 Sample : G3219-06DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9D99DL

Quant Time: Aug 17 02:06:19 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 02:04:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	129740	20.00	ng/ul	0.00
2) Naphthalene-d8	11.73	136	644043	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.44	164	369649	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.15	188	793011	20.00	ng/ul	0.00
17) Chrysene-d12	22.22	240	829779	20.00	ng/ul	0.00
22) Perylene-d12	24.89	264	783776	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.15	160	154947	4.10	ng/ul	0.00
10) Fluorene-d10	16.42	176	109003	4.11	ng/ul	0.00
14) Anthracene-d10	18.24	188	159599	4.17	ng/ul	0.00
18) Pyrene-d10	20.46	212	163216	4.44	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.70	264	151953	3.69	ng/ul	0.00

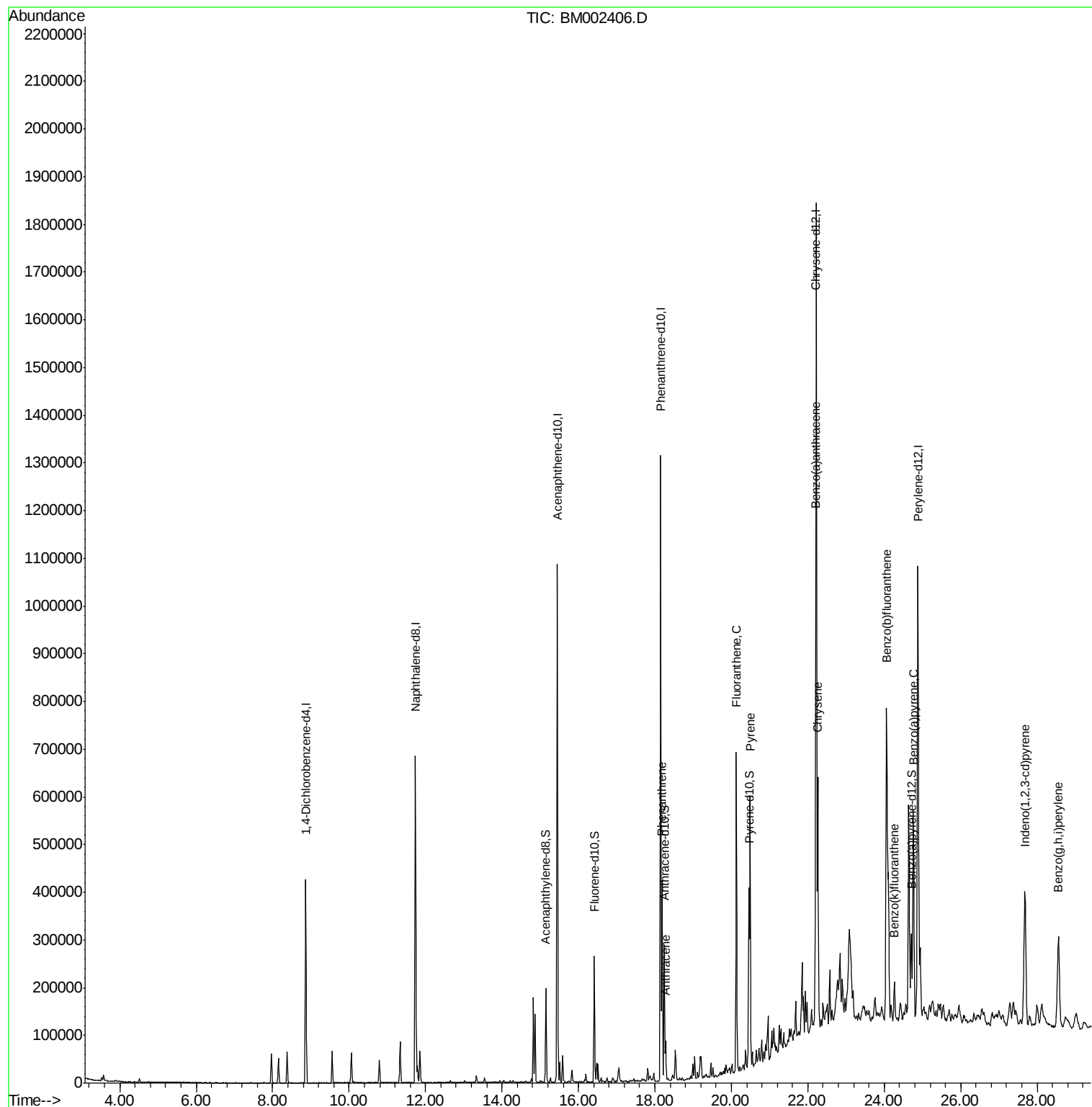
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Phenanthrene	18.19	178	256734	5.61	ng/ul	100
15) Anthracene	18.28	178	56349	1.21	ng/ul	100
16) Fluoranthene	20.13	202	402885	7.77	ng/ul	98
19) Pyrene	20.49	202	352086	7.24	ng/ul	98
20) Benzo(a)anthracene	22.20	228	281596	5.67	ng/ul	98
21) Chrysene	22.26	228	329856	7.11	ng/ul	98
23) Benzo(b)fluoranthene	24.06	252	671922	14.18	ng/ul	99
24) Benzo(k)fluoranthene	24.27	252	53692	1.20	ng/ul#	89
26) Benzo(a)pyrene	24.76	252	366031	8.09	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.68	276	291580	5.60	ng/ul	95
29) Benzo(g,h,i)perylene	28.56	276	248952	5.75	ng/ul	99

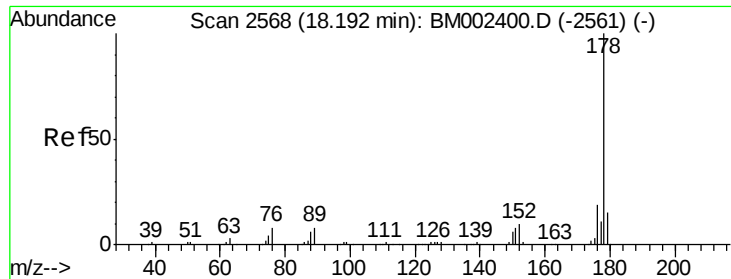
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 5.61 ng/ul

RT: 18.19 min Scan# 2568

Delta R.T. -0.00 min

Lab File: BM002406.D

Acq: 15 Aug 2015 03:42

Instrument :

BNA_M

ClientSampleId :

D9D99DL

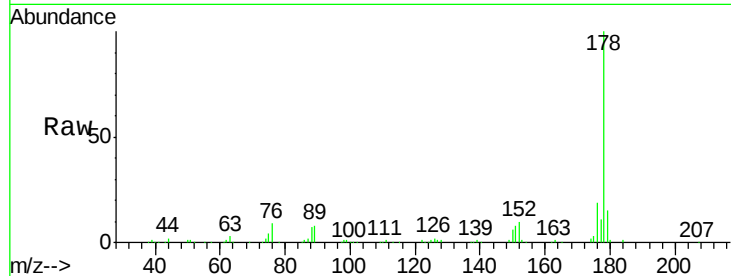
Tot Ion:178 Resp: 256734

Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

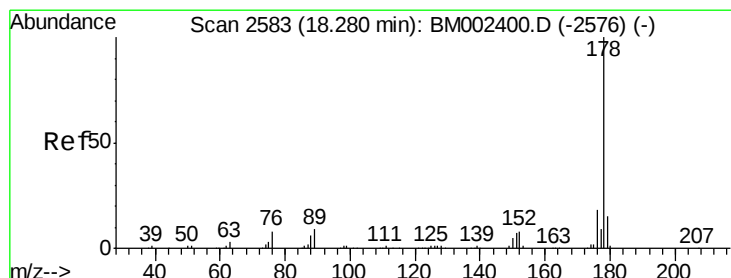
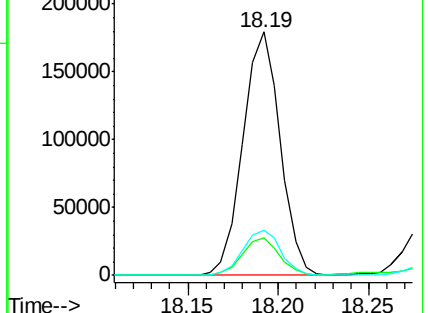
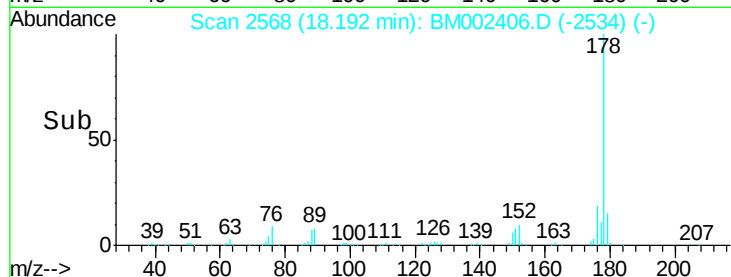
176 18.6 15.1 22.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Anthracene

Concen: 1.21 ng/ul

RT: 18.28 min Scan# 2583

Delta R.T. -0.00 min

Lab File: BM002406.D

Acq: 15 Aug 2015 03:42

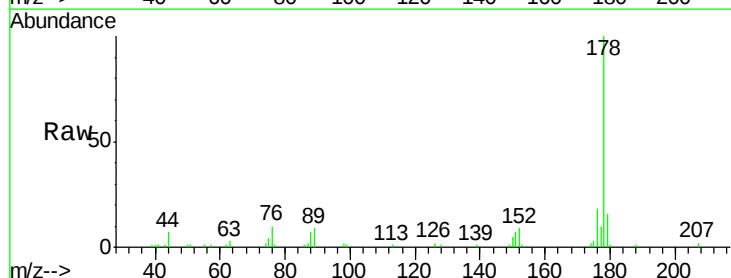
Tgt Ion:178 Resp: 56349

Ion Ratio Lower Upper

178 100

179 15.7 12.6 18.8

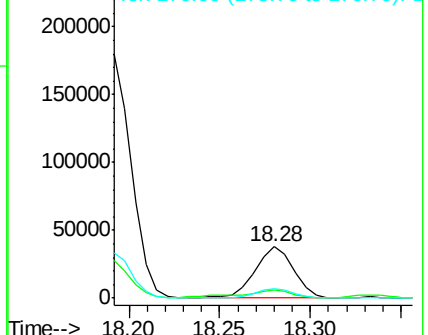
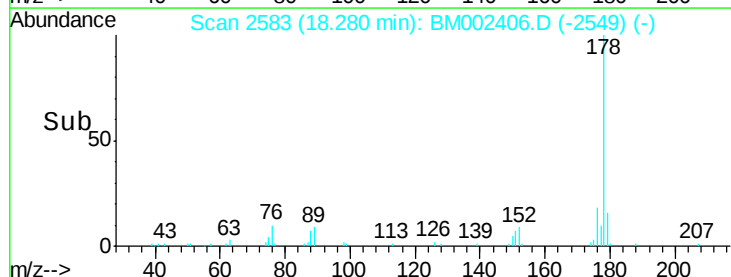
176 17.8 14.5 21.7

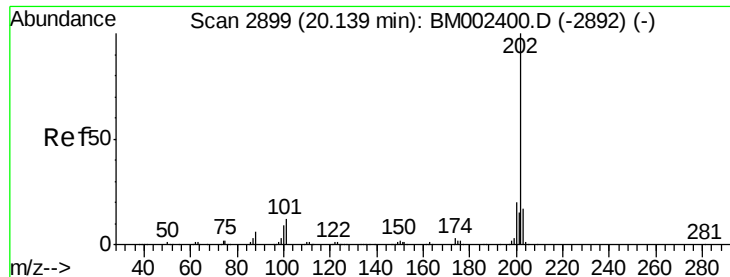


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

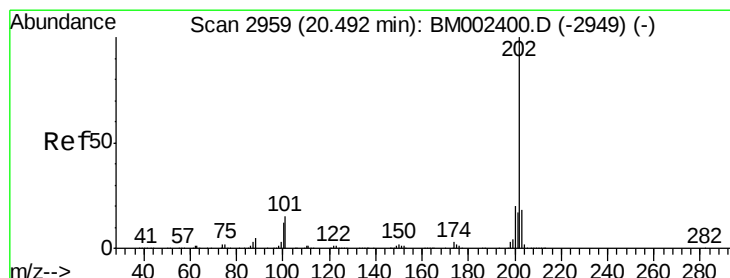
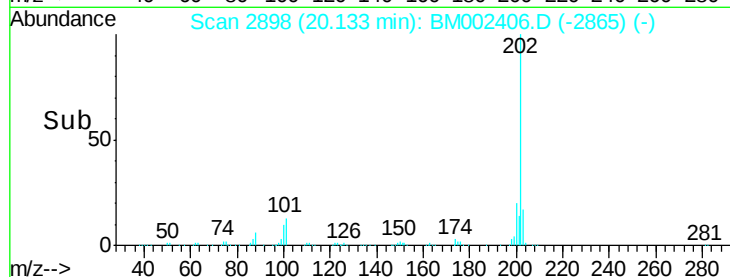
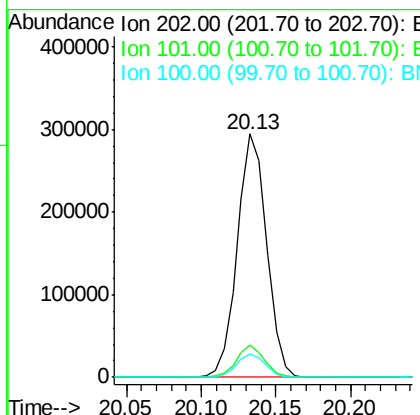
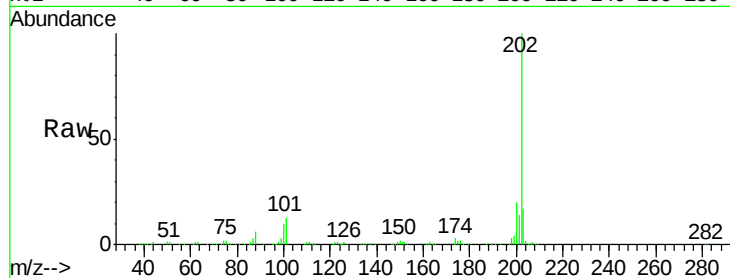




#16
Fluoranthene
 Concen: 7.77 ng/ul
 RT: 20.13 min Scan# 2898
 Delta R.T. -0.01 min
 Lab File: BM002406.D
 Acq: 15 Aug 2015 03:42

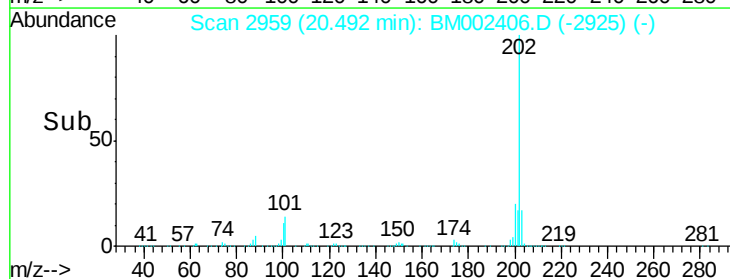
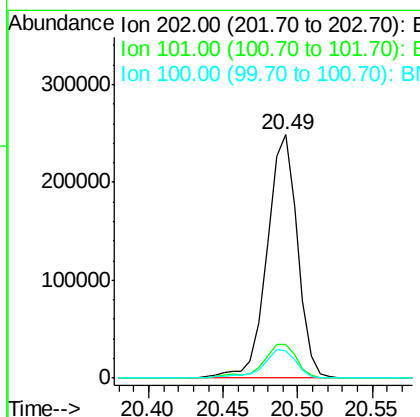
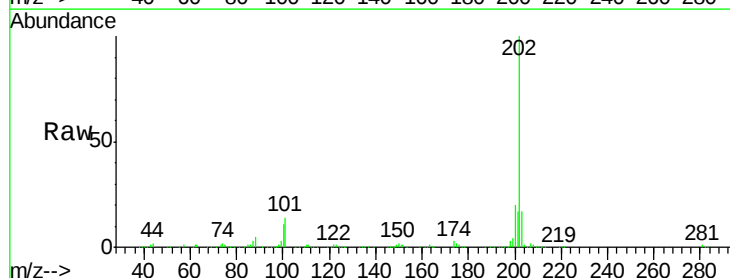
Instrument :
 BNA_M
 ClientSampleId :
 D9D99DL

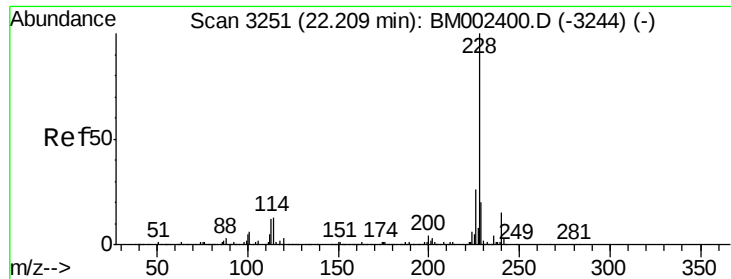
Tot Ion:	202	Resp:	402885
Ion	Ratio	Lower	Upper
202	100		
101	13.2	9.7	14.5
100	9.7	7.4	11.2



#19
Pyrene
 Concen: 7.24 ng/ul
 RT: 20.49 min Scan# 2959
 Delta R.T. -0.00 min
 Lab File: BM002406.D
 Acq: 15 Aug 2015 03:42

Tgt Ion:	202	Resp:	352086
Ion	Ratio	Lower	Upper
202	100		
101	14.1	12.0	18.0
100	11.4	9.7	14.5





#20

Benzo(a)anthracene

Concen: 5.67 ng/ul

RT: 22.20 min Scan# 3250

Delta R.T. -0.01 min

Lab File: BM002406.D

Acq: 15 Aug 2015 03:42

Instrument :

BNA_M

ClientSampleId :

D9D99DL

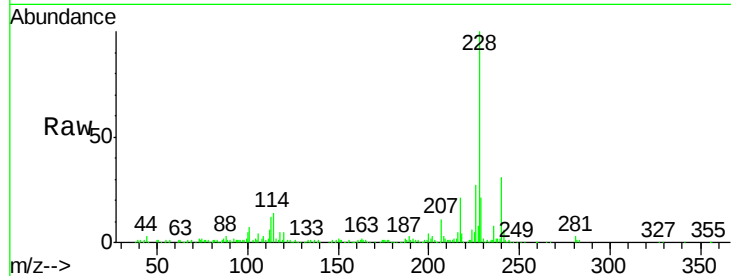
Tot Ion:228 Resp: 281596

Ion Ratio Lower Upper

228 100

229 20.9 15.8 23.6

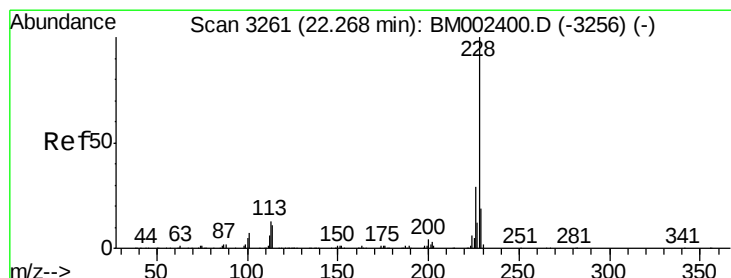
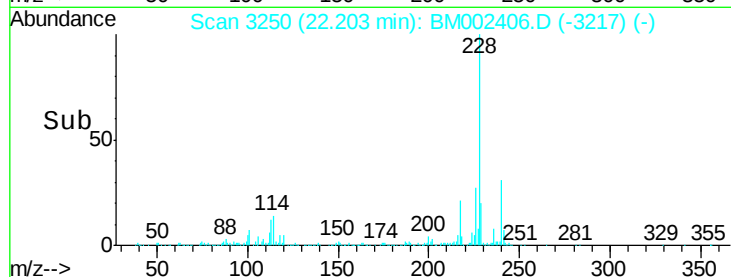
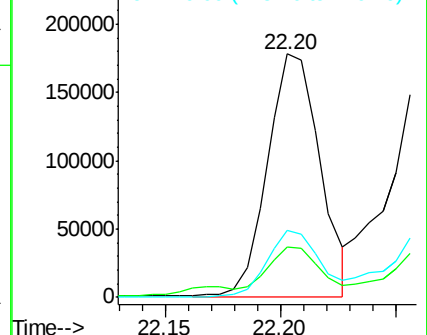
226 27.3 21.1 31.7



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: 7.11 ng/ul

RT: 22.26 min Scan# 3260

Delta R.T. -0.01 min

Lab File: BM002406.D

Acq: 15 Aug 2015 03:42

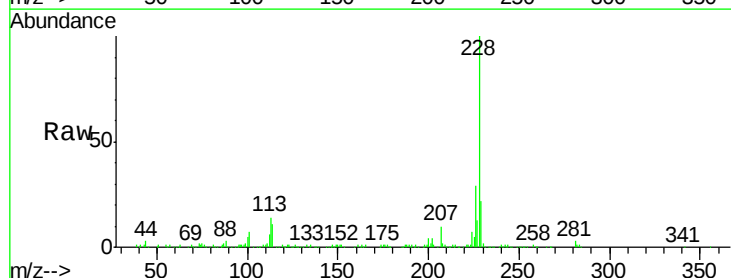
Tgt Ion:228 Resp: 329856

Ion Ratio Lower Upper

228 100

226 29.1 23.4 35.2

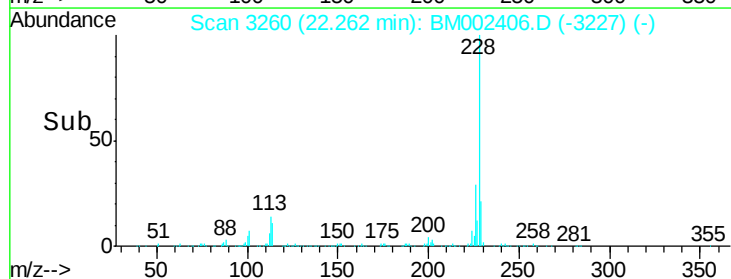
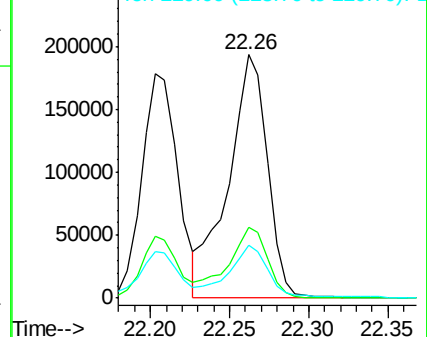
229 21.6 15.7 23.5

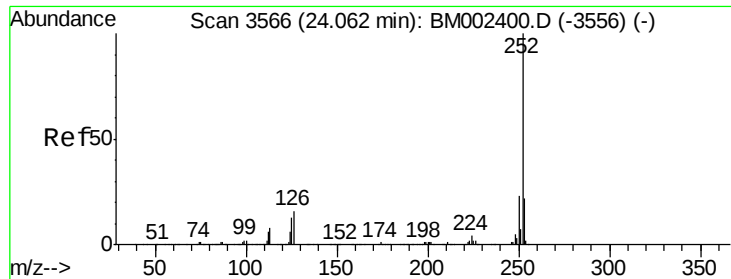


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 14.18 ng/ul

RT: 24.06 min Scan# 3566

Delta R.T. -0.00 min

Lab File: BM002406.D

Acq: 15 Aug 2015 03:42

Instrument :

BNA_M

ClientSampleId :

D9D99DL

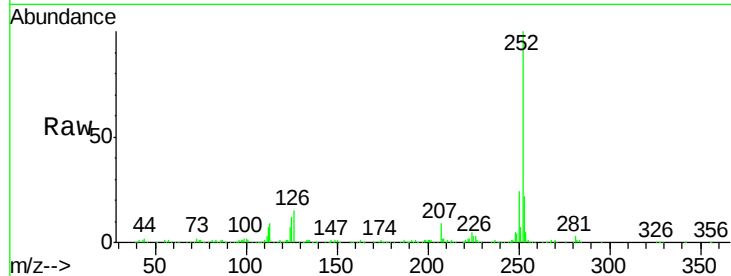
Tot Ion:252 Resp: 671922

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

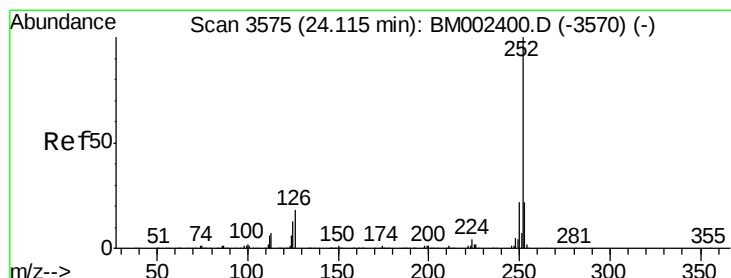
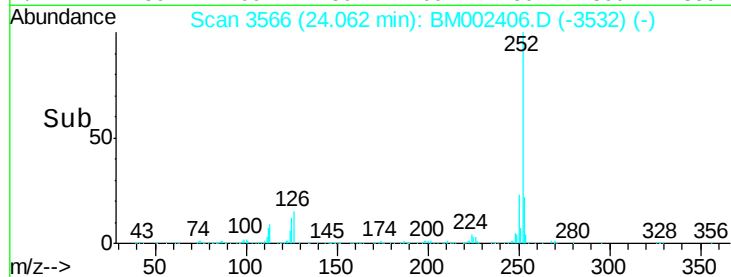
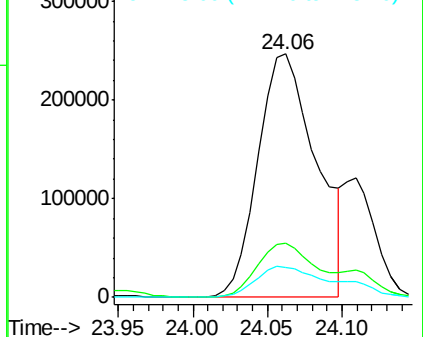
125 12.5 10.0 15.0



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

Benzo(k)fluoranthene

Concen: 1.20 ng/ul

RT: 24.27 min Scan# 3601

Delta R.T. 0.15 min

Lab File: BM002406.D

Acq: 15 Aug 2015 03:42

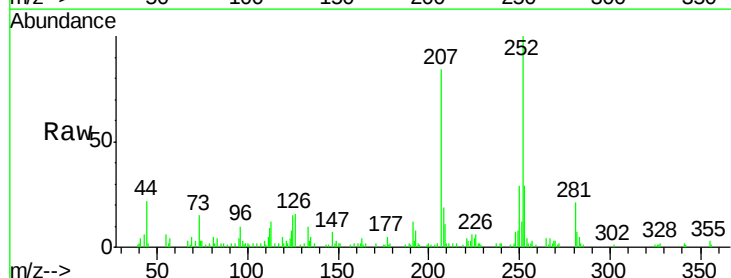
Tgt Ion:252 Resp: 53692

Ion Ratio Lower Upper

252 100

253 28.7 17.8 26.6#

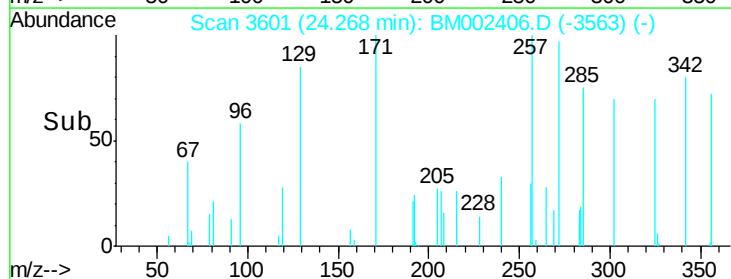
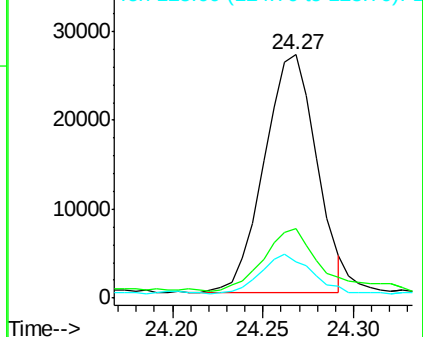
125 15.2 9.8 14.8#

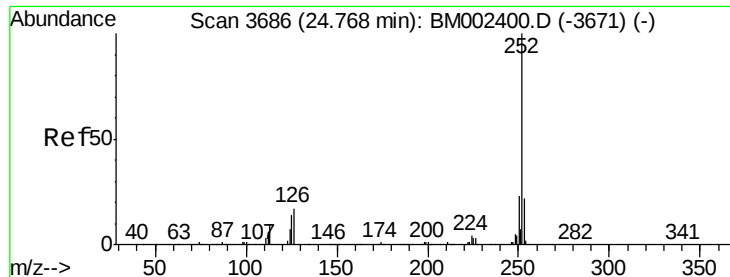


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 8.09 ng/ul

RT: 24.76 min Scan# 3685

Delta R.T. -0.01 min

Lab File: BM002406.D

Acq: 15 Aug 2015 03:42

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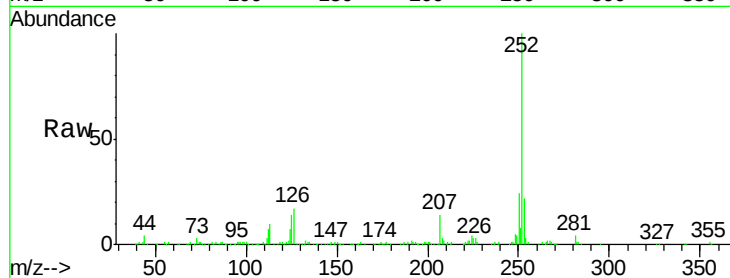
Tot Ion:252 Resp: 366031

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

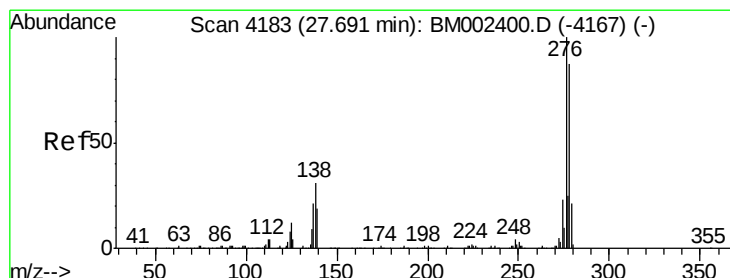
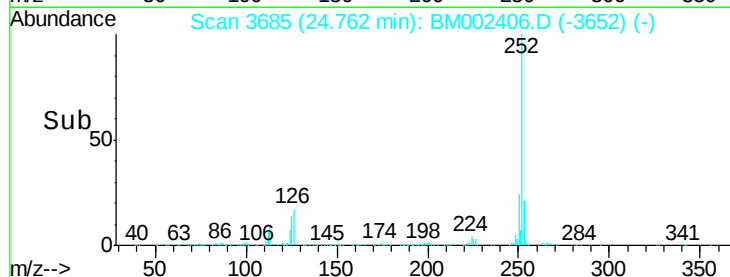
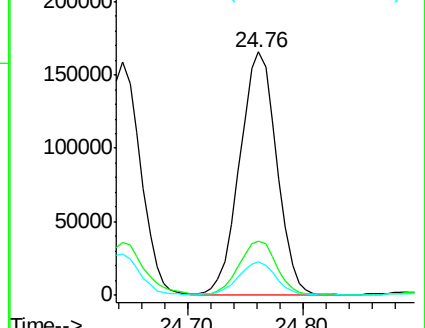
125 14.0 10.7 16.1



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 5.60 ng/ul

RT: 27.68 min Scan# 4181

Delta R.T. -0.01 min

Lab File: BM002406.D

Acq: 15 Aug 2015 03:42

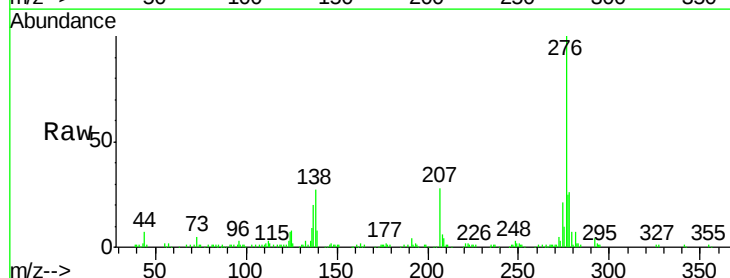
Tgt Ion:276 Resp: 291580

Ion Ratio Lower Upper

276 100

138 26.6 25.3 37.9

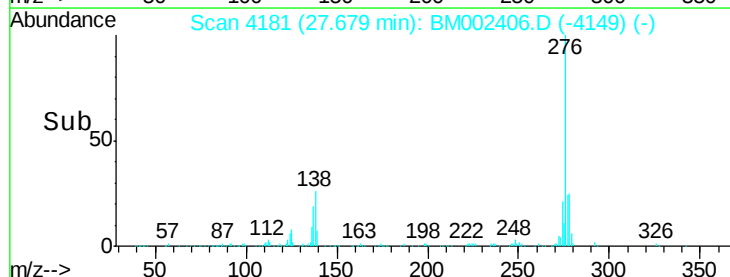
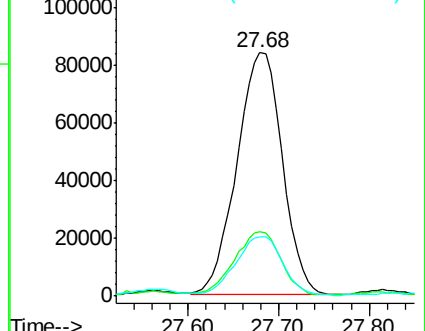
277 24.6 20.2 30.2

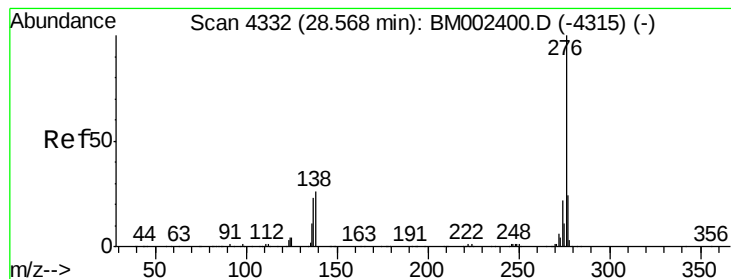


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Benzo(a,h,i)perylene

Concen: 5.75 ng/ul

RT: 28.56 min Scan# 4330

Delta R.T. -0.01 min

Lab File: BM002406.D

Acq: 15 Aug 2015 03:42

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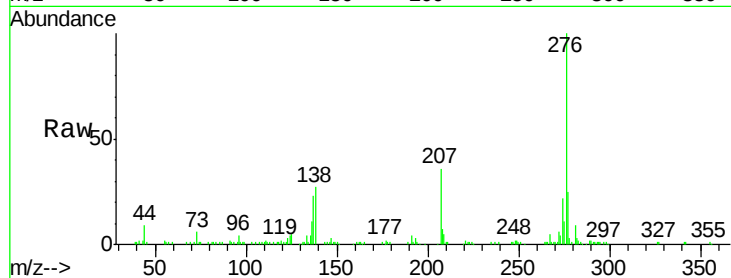
Tot Ion: 276 Resp: 248952

Ion Ratio Lower Upper

276 100

138 27.0 21.0 31.6

277 24.6 19.2 28.8



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

