

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081715\
 Data File : BM002452.D
 Acq On : 17 Aug 2015 15:33
 Operator : UM/IZ
 Sample : G3227-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 18 02:01:33 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 18 01:54:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.88	152	149887	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	674154	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	352706	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	696596	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	482550	20.00	ng/ul	0.00
22) Perylene-d12	24.91	264	438196	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.16	160	529354	14.68	ng/ul	0.00
10) Fluorene-d10	16.42	176	348592	13.76	ng/ul	0.00
14) Anthracene-d10	18.26	188	470217	13.99	ng/ul	0.00
18) Pyrene-d10	20.47	212	401342	18.76	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.74	264	273933	11.90	ng/ul	0.00

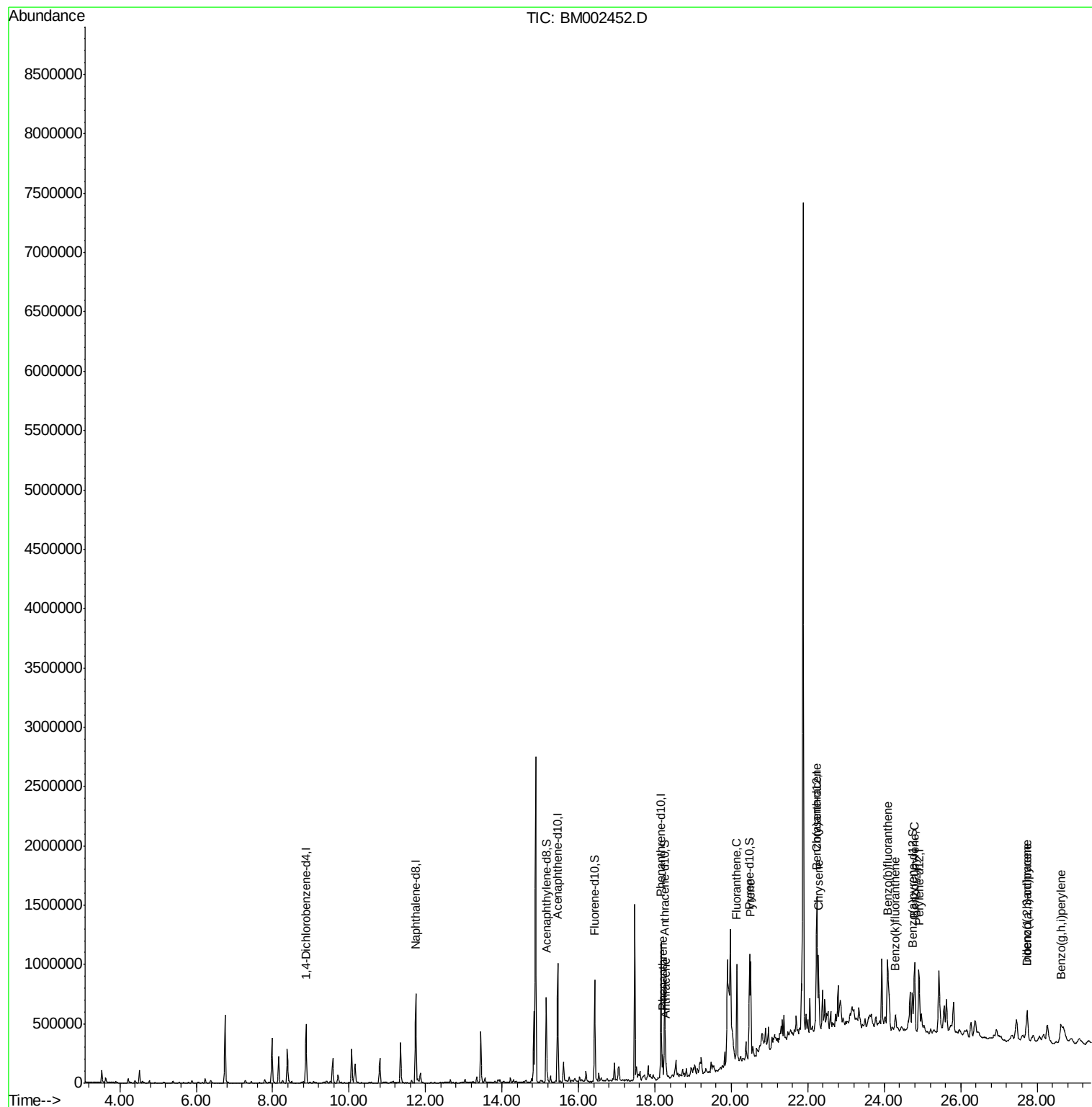
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Phenanthrene	18.20	178	127978	3.18	ng/ul	99
15) Anthracene	18.29	178	49784	1.22	ng/ul	99
16) Fluoranthene	20.14	202	492036	10.80	ng/ul	97
19) Pyrene	20.50	202	463014	16.38	ng/ul	100
20) Benzo(a)anthracene	22.22	228	385554	13.36	ng/ul	98
21) Chrysene	22.28	228	383388	14.20	ng/ul	97
23) Benzo(b)fluoranthene	24.09	252	575550	21.73	ng/ul	98
24) Benzo(k)fluoranthene	24.29	252	79432	3.16	ng/ul#	83
26) Benzo(a)pyrene	24.79	252	364823	14.42	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	27.74	276	255741	8.79	ng/ul#	93
28) Dibenzo(a,h)anthracene	27.73	278	77357	3.18	ng/ul#	74
29) Benzo(g,h,i)perylene	28.63	276	203059	8.38	ng/ul	98

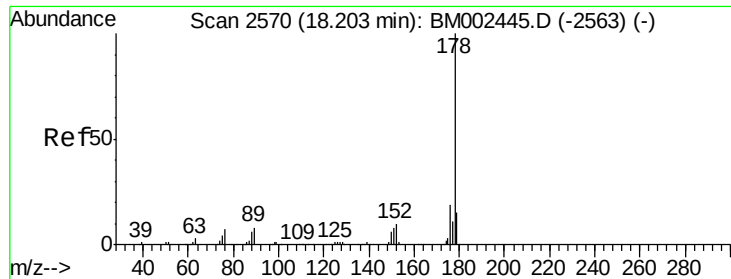
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 3.18 ng/ul

RT: 18.20 min Scan# 2570

Delta R.T. 0.00 min

Lab File: BM002452.D

Acq: 17 Aug 2015 15:33

Instrument :

BNA_M

ClientSampleId :

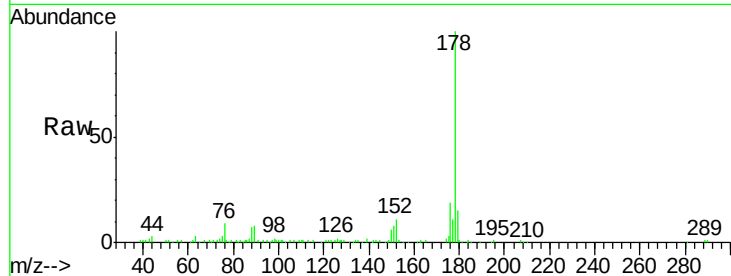
Tot Ion:178 Resp: 127978

Ion Ratio Lower Upper

178 100

179 15.2 12.4 18.6

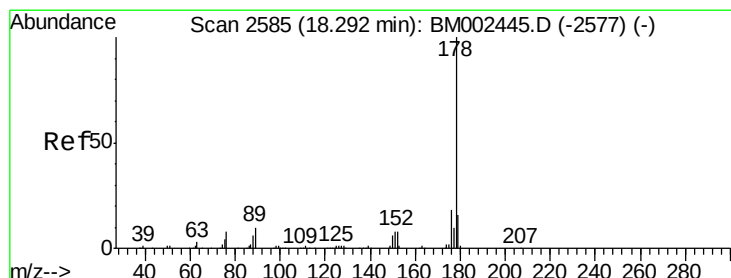
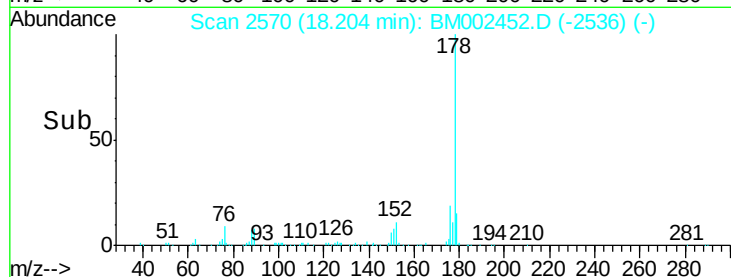
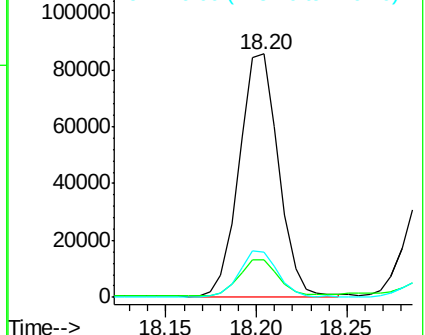
176 18.7 15.1 22.7



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: 1.22 ng/ul

RT: 18.29 min Scan# 2585

Delta R.T. 0.00 min

Lab File: BM002452.D

Acq: 17 Aug 2015 15:33

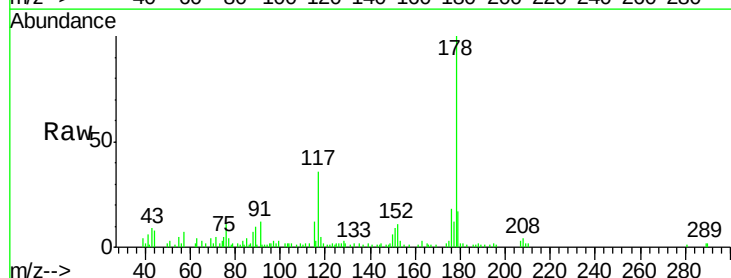
Tgt Ion:178 Resp: 49784

Ion Ratio Lower Upper

178 100

179 16.6 12.6 18.8

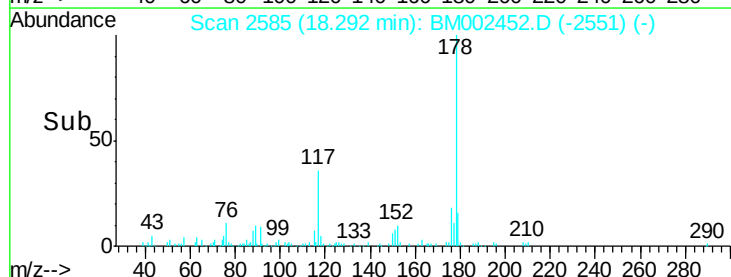
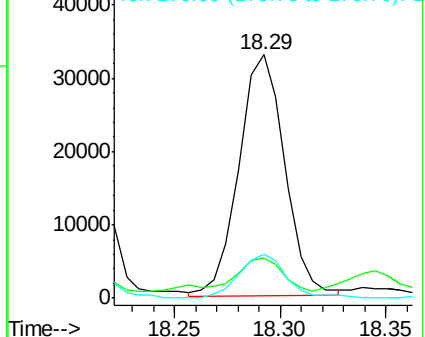
176 18.1 14.5 21.7

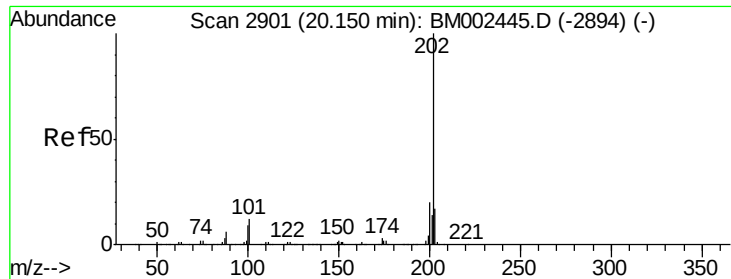


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

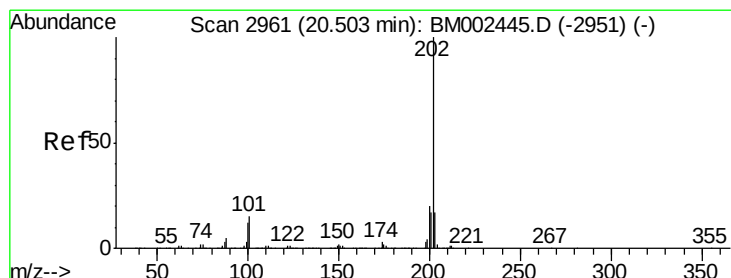
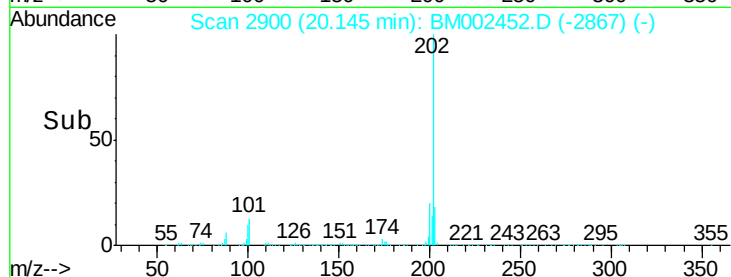
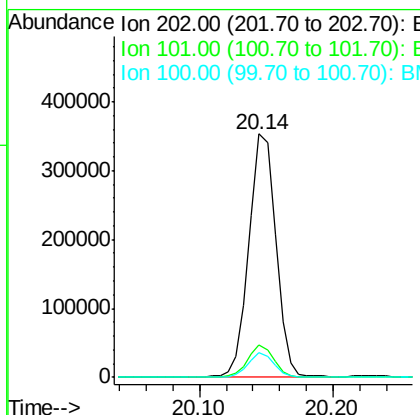
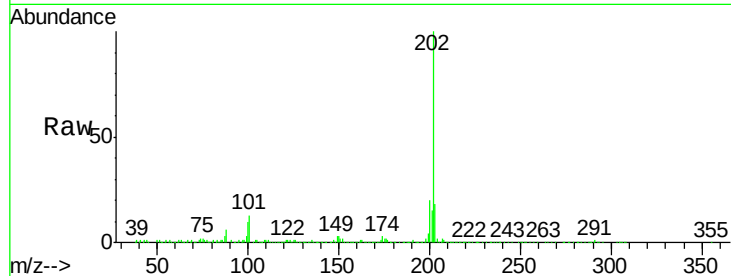




#16
 Fluoranthene
 Concen: 10.80 ng/ul
 RT: 20.14 min Scan# 2900
 Delta R.T. -0.01 min
 Lab File: BM002452.D
 Acq: 17 Aug 2015 15:33

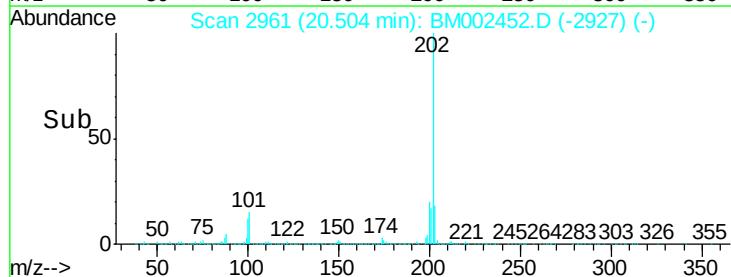
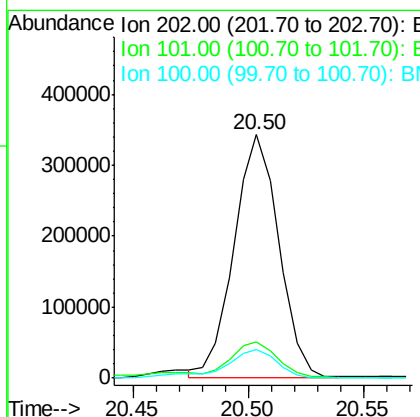
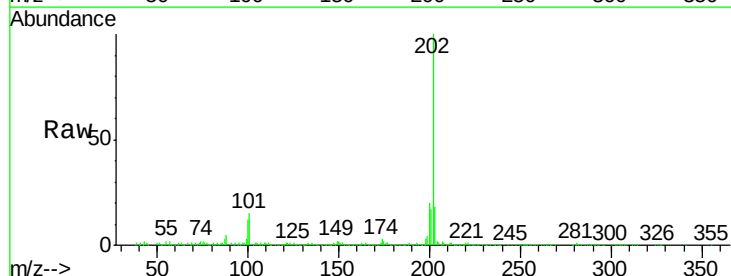
Instrument :
 BNA_M
 ClientSampleId :

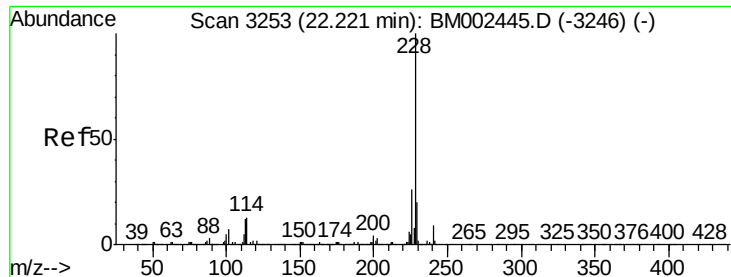
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.4	9.7	14.5
100	10.2	7.4	11.2



#19
 Pyrene
 Concen: 16.38 ng/ul
 RT: 20.50 min Scan# 2961
 Delta R.T. 0.00 min
 Lab File: BM002452.D
 Acq: 17 Aug 2015 15:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.9	12.0	18.0
100	12.0	9.7	14.5





#20

Benzo(a)anthracene

Concen: 13.36 ng/ul

RT: 22.22 min Scan# 3253

Delta R.T. 0.00 min

Lab File: BM002452.D

Acq: 17 Aug 2015 15:33

Instrument :

BNA_M

ClientSampleId :

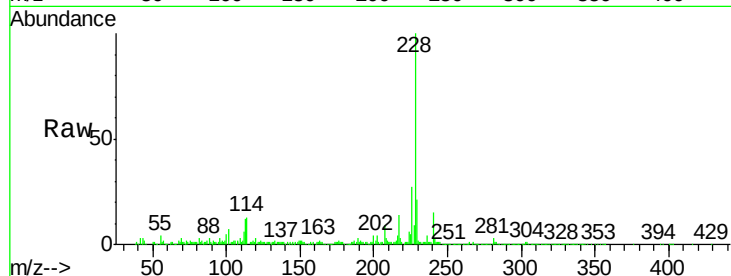
Tot Ion:228 Resp: 385554

Ion Ratio Lower Upper

228 100

229 21.1 15.8 23.6

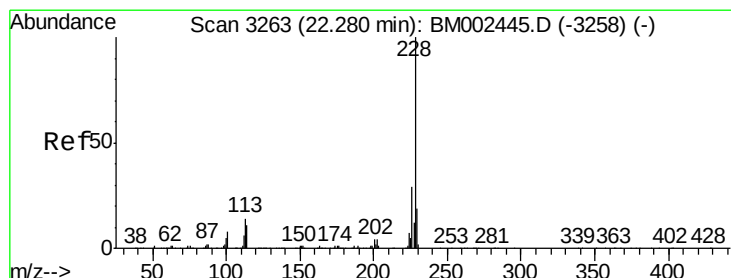
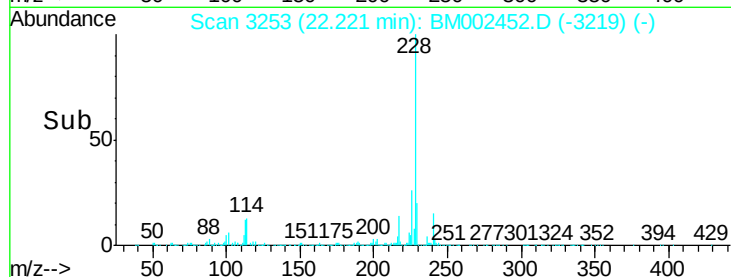
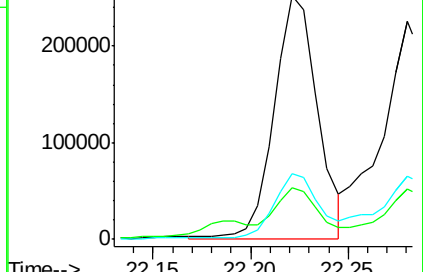
226 26.9 21.1 31.7



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: 14.20 ng/ul

RT: 22.28 min Scan# 3263

Delta R.T. 0.00 min

Lab File: BM002452.D

Acq: 17 Aug 2015 15:33

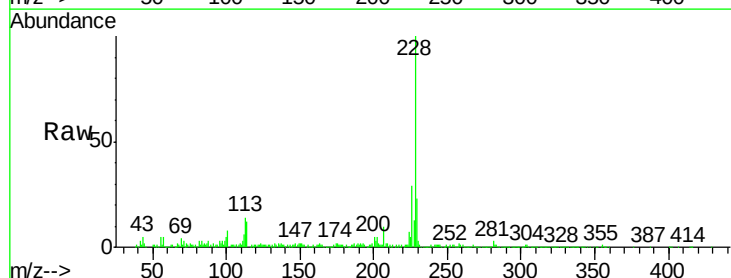
Tgt Ion:228 Resp: 383388

Ion Ratio Lower Upper

228 100

226 29.3 23.4 35.2

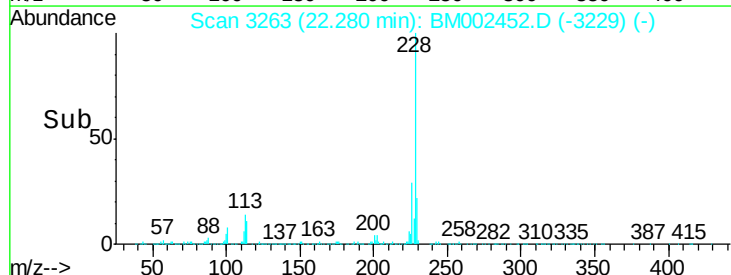
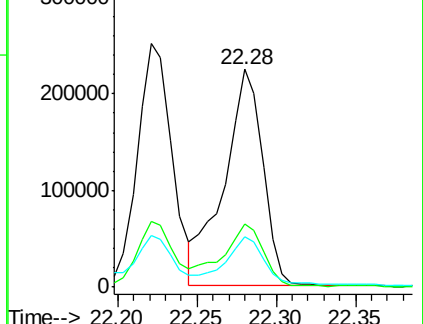
229 23.1 15.7 23.5

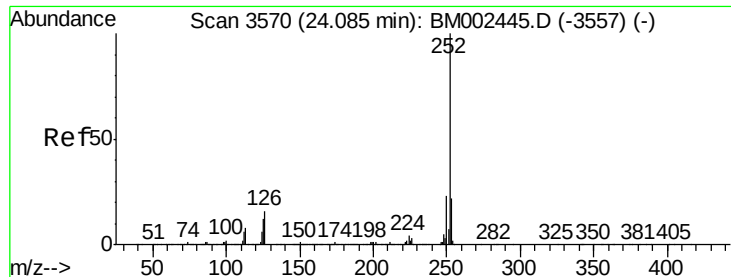


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

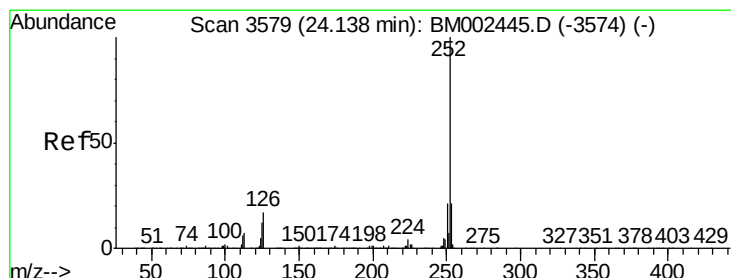
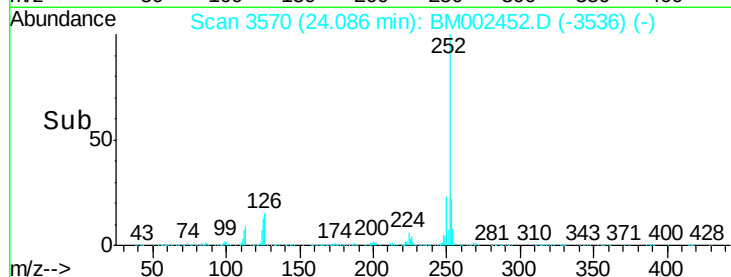
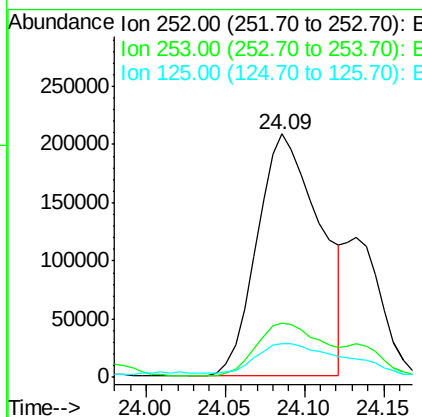
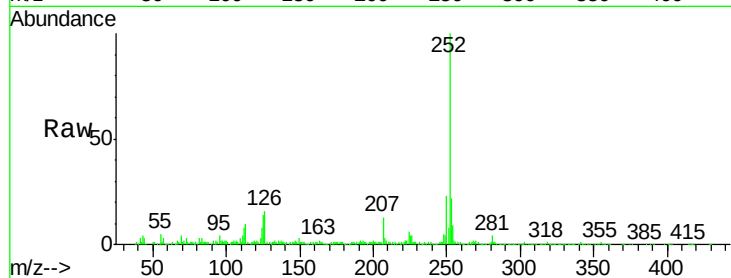




#23
Benzo(b)fluoranthene
Concen: 21.73 ng/ul
RT: 24.09 min Scan# 3570
Delta R.T. 0.00 min
Lab File: BM002452.D
Acq: 17 Aug 2015 15:33

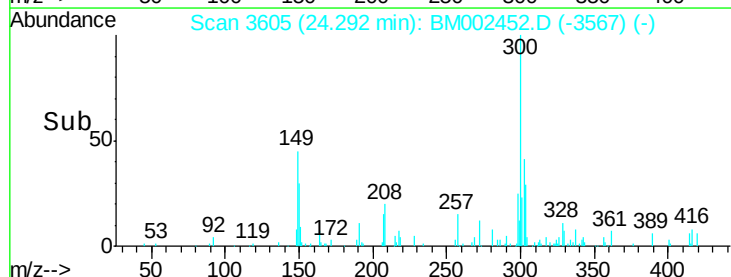
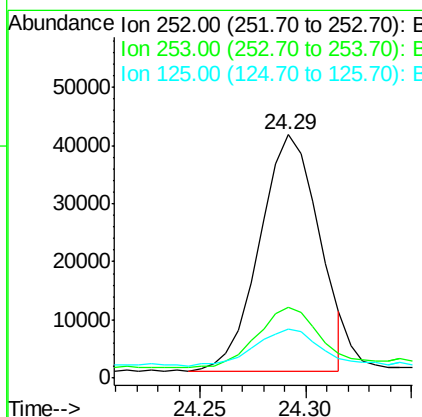
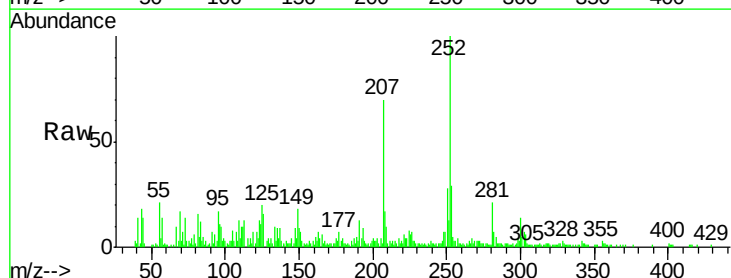
Instrument :
BNA_M
ClientSampleId :

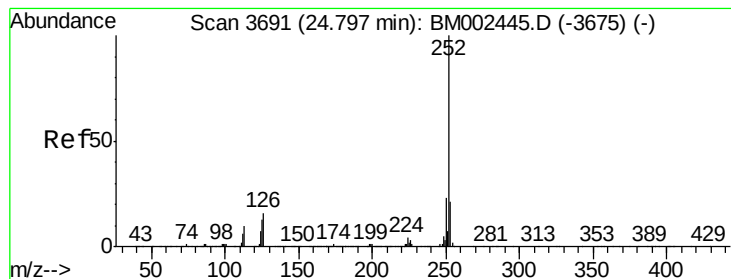
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	13.8	10.0	15.0



#24
Benzo(k)fluoranthene
Concen: 3.16 ng/ul
RT: 24.29 min Scan# 3605
Delta R.T. 0.15 min
Lab File: BM002452.D
Acq: 17 Aug 2015 15:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.2	17.8	26.6#
125	20.2	9.8	14.8#





#26

Benzo(a)pyrene

Concen: 14.42 ng/ul

RT: 24.79 min Scan# 3690

Delta R.T. -0.01 min

Lab File: BM002452.D

Acq: 17 Aug 2015 15:33

Instrument :

BNA_M

ClientSampleId :

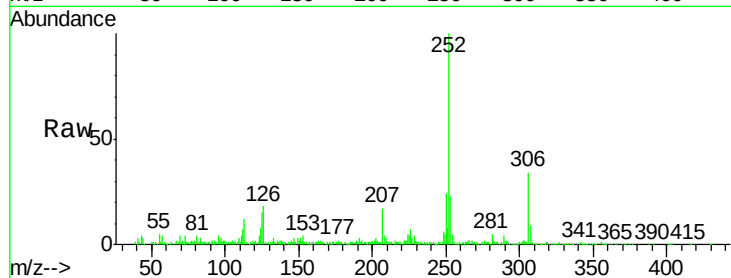
Tot Ion:252 Resp: 364823

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

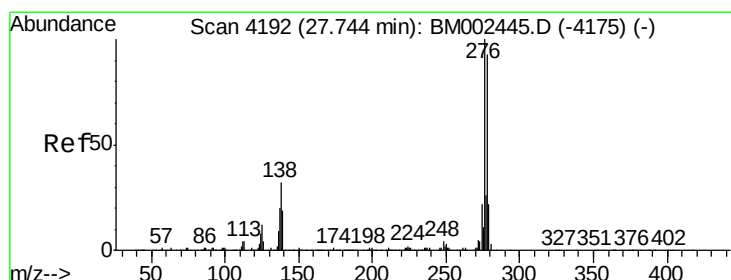
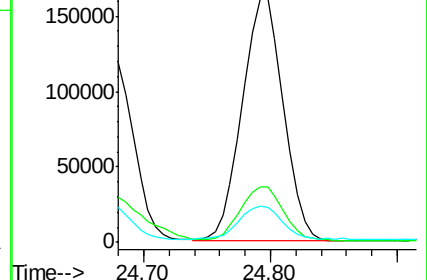
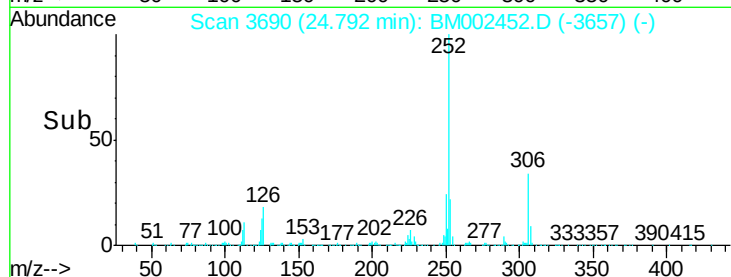
125 14.8 10.7 16.1



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: 8.79 ng/ul

RT: 27.74 min Scan# 4191

Delta R.T. -0.01 min

Lab File: BM002452.D

Acq: 17 Aug 2015 15:33

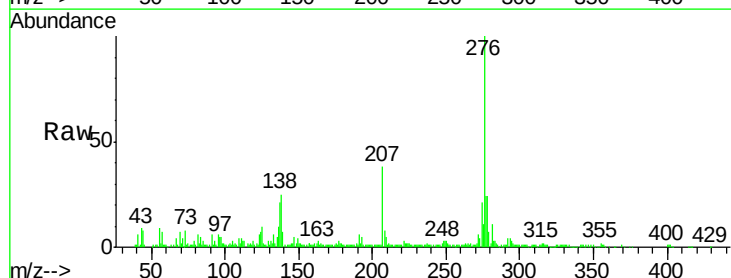
Tgt Ion:276 Resp: 255741

Ion Ratio Lower Upper

276 100

138 25.3 25.3 37.9#

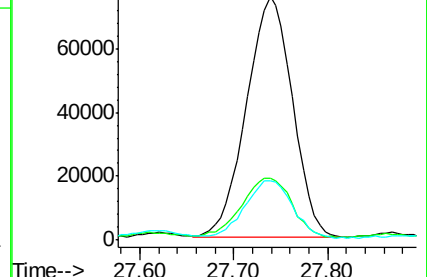
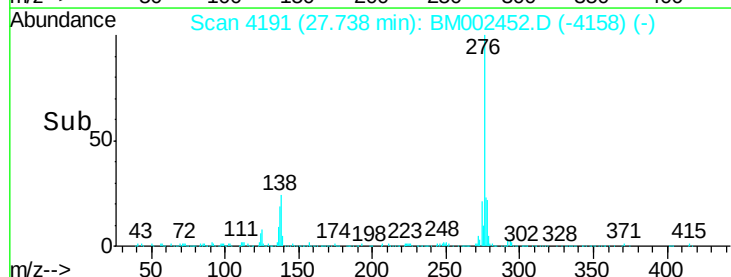
277 24.4 20.2 30.2

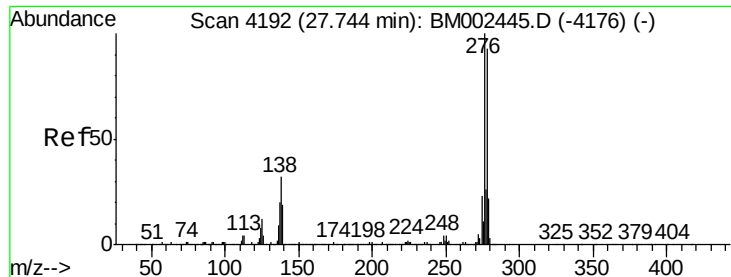


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 3.18 ng/ul

RT: 27.73 min Scan# 4190

Delta R.T. -0.01 min

Lab File: BM002452.D

Acq: 17 Aug 2015 15:33

Instrument :

BNA_M

ClientSampleId :

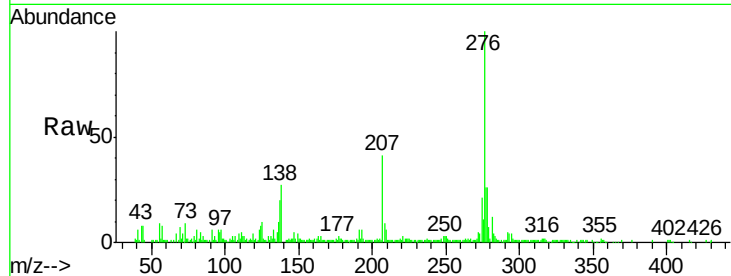
Tot Ion:278 Resp: 77357

Ion Ratio Lower Upper

278 100

139 0.0 16.5 24.7#

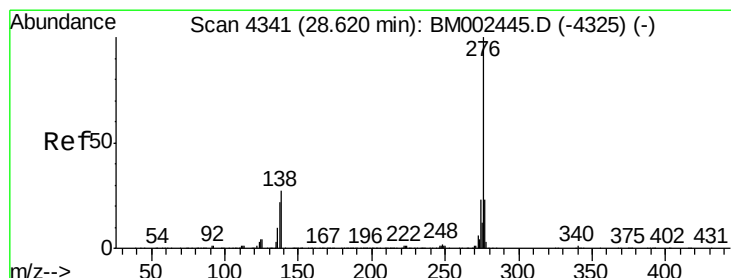
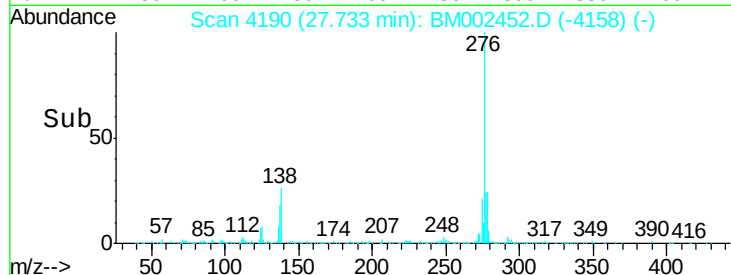
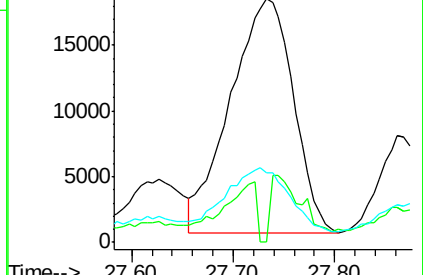
279 28.4 18.8 28.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#29

Benzo(g,h,i)perylene

Concen: 8.38 ng/ul

RT: 28.63 min Scan# 4342

Delta R.T. 0.01 min

Lab File: BM002452.D

Acq: 17 Aug 2015 15:33

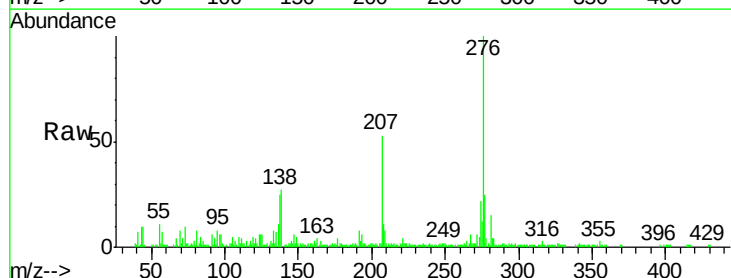
Tgt Ion:276 Resp: 203059

Ion Ratio Lower Upper

276 100

138 27.4 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

