

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083115\
 Data File : BM002606.D
 Acq On : 01 Sep 2015 01:29
 Operator : UM/IZ
 Sample : G3456-20
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9EA5

Quant Time: Sep 01 02:04:21 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 01 02:00:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	114936	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	502233	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	245084	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.07	188	427344	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	330862	20.00	ng/ul	0.00
22) Perylene-d12	24.79	264	336575	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.07	160	381383	15.22	ng/ul	0.00
10) Fluorene-d10	16.34	176	243673	13.85	ng/ul	0.00
14) Anthracene-d10	18.17	188	313773	15.22	ng/ul	0.00
18) Pyrene-d10	20.40	212	250357	17.07	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.61	264	221117	12.51	ng/ul	0.00

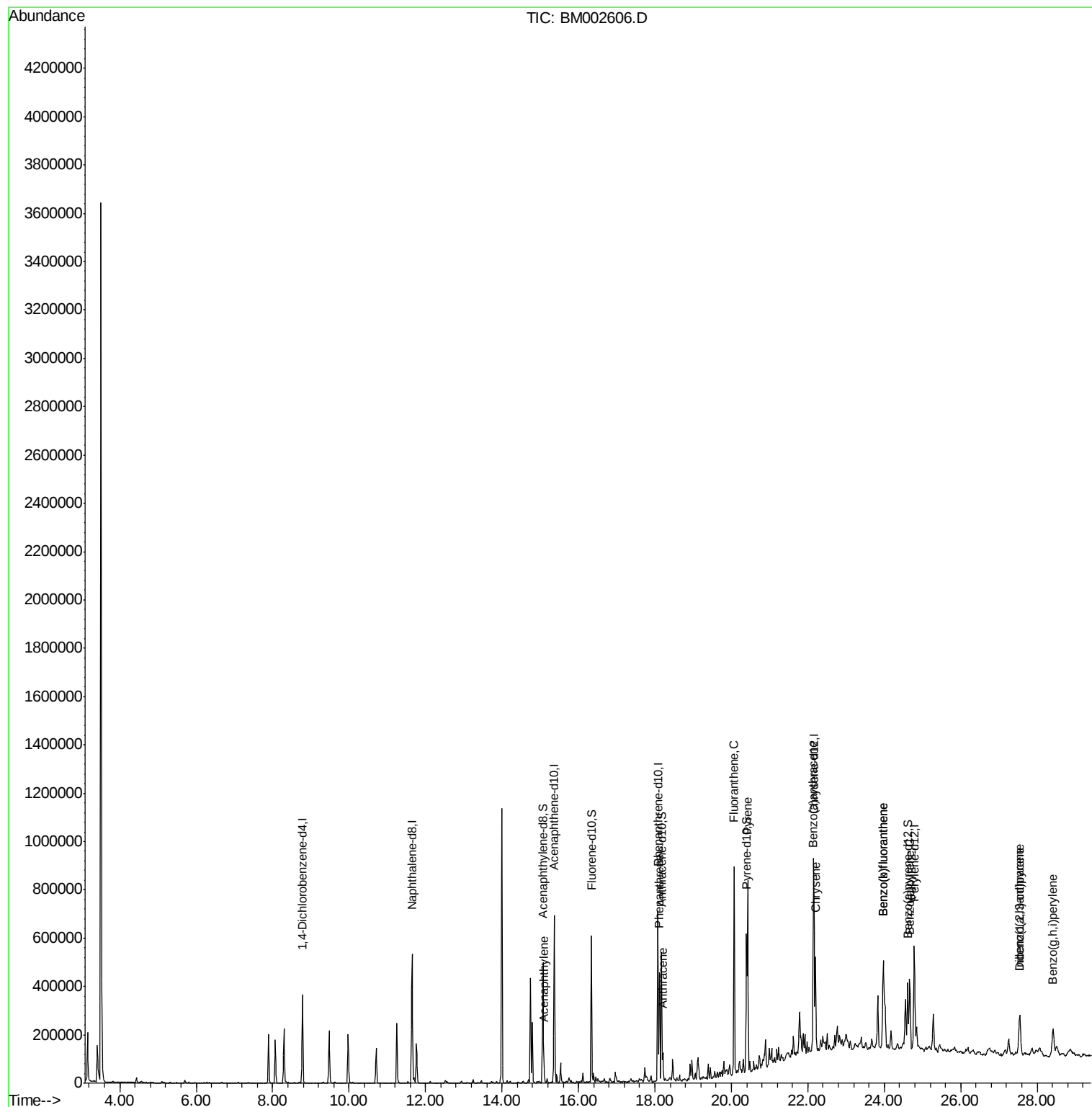
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Acenaphthylene	15.10	152	45301	1.73	ng/ul	99
13) Phenanthrene	18.12	178	287376	11.65	ng/ul	100
15) Anthracene	18.21	178	73582	2.94	ng/ul	99
16) Fluoranthene	20.07	202	540924	19.36	ng/ul	99
19) Pyrene	20.43	202	446328	23.03	ng/ul	99
20) Benzo(a)anthracene	22.14	228	238242	12.04	ng/ul	99
21) Chrysene	22.20	228	237143	12.81	ng/ul	97
23) Benzo(b)fluoranthene	23.97	252	340095	16.71	ng/ul	99
24) Benzo(k)fluoranthene	23.97	252	95287	4.94	ng/ul	99
26) Benzo(a)pyrene	24.67	252	225429	11.60	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.55	276	172458	7.72	ng/ul	93
28) Dibenzo(a,h)anthracene	27.54	278	44689	2.39	ng/ul#	78
29) Benzo(g,h,i)perylene	28.41	276	146008	7.85	ng/ul	99

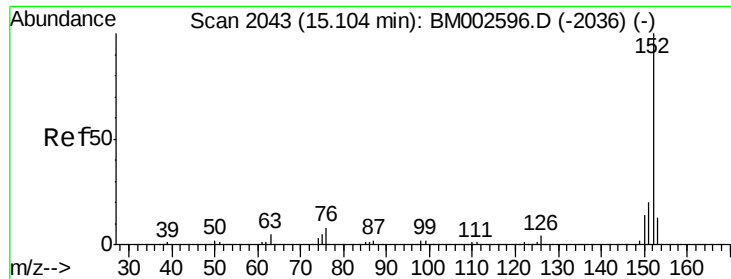
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 1.73 ng/ul

RT: 15.10 min Scan# 2043

Delta R.T. 0.00 min

Lab File: BM002606.D

Acq: 01 Sep 2015 01:29

Instrument :

BNA_M

ClientSampleId :

D9EA5

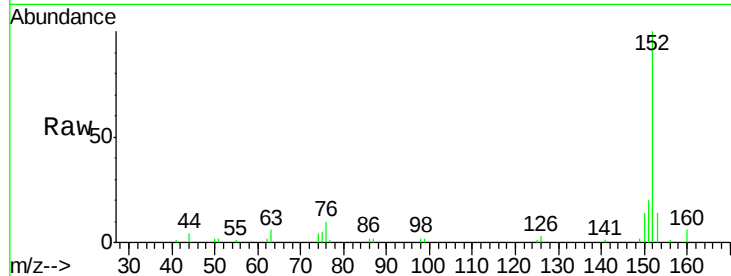
Tgt Ion:152 Resp: 45301

Ion Ratio Lower Upper

152 100

151 20.0 15.7 23.5

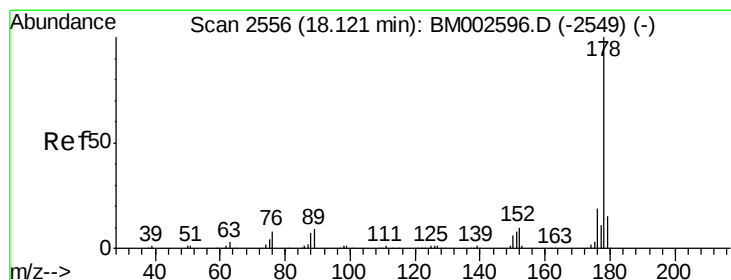
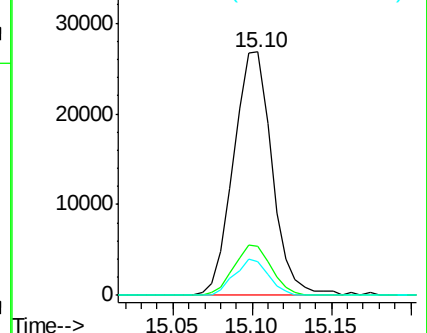
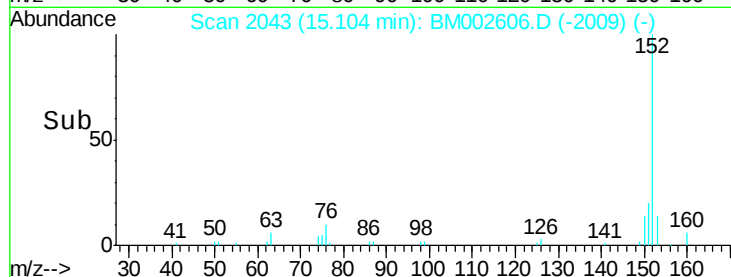
153 13.6 10.2 15.4



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



#13

Phenanthrene

Concen: 11.65 ng/ul

RT: 18.12 min Scan# 2555

Delta R.T. -0.01 min

Lab File: BM002606.D

Acq: 01 Sep 2015 01:29

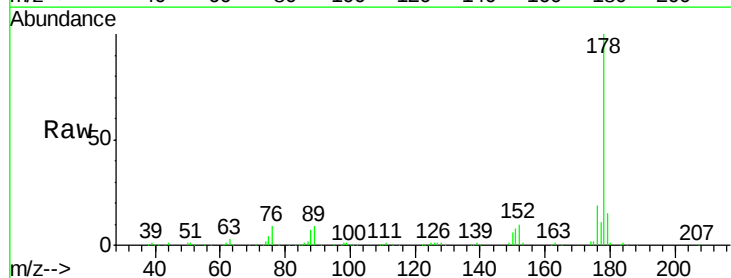
Tgt Ion:178 Resp: 287376

Ion Ratio Lower Upper

178 100

179 15.3 12.4 18.6

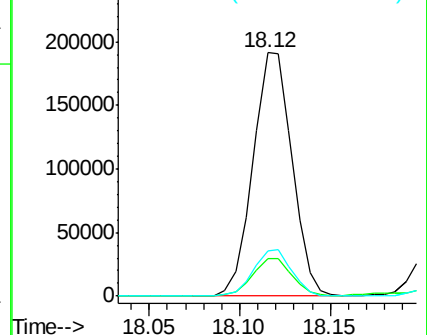
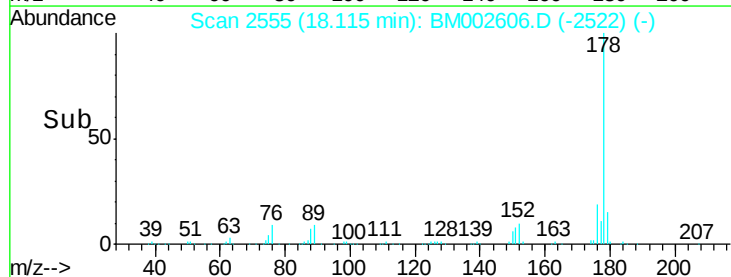
176 18.8 15.1 22.7

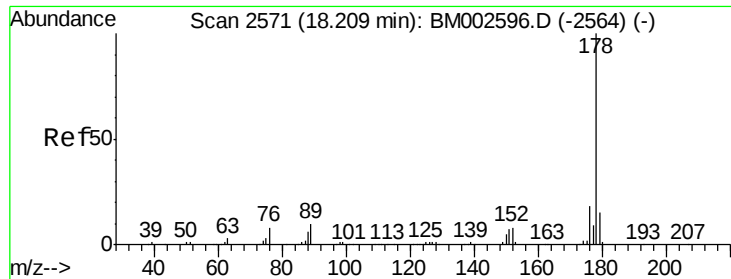


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

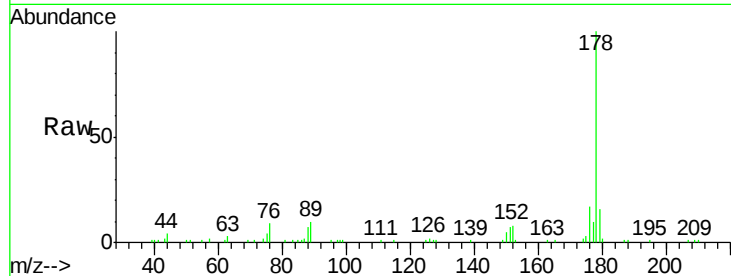




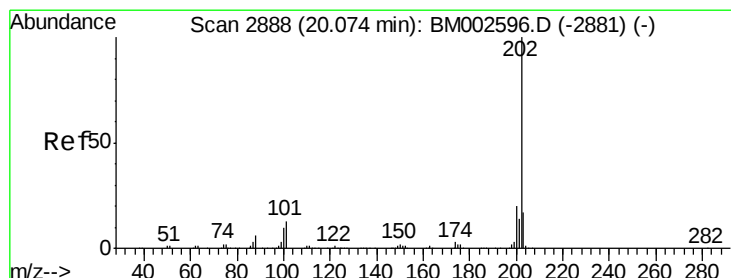
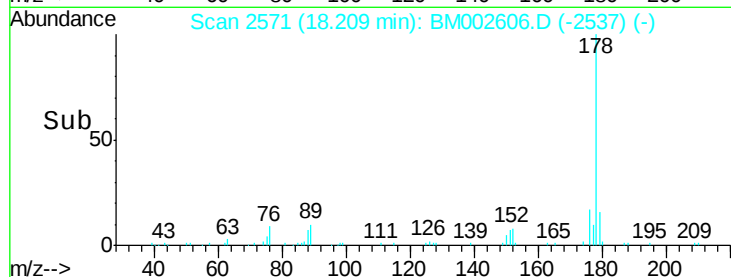
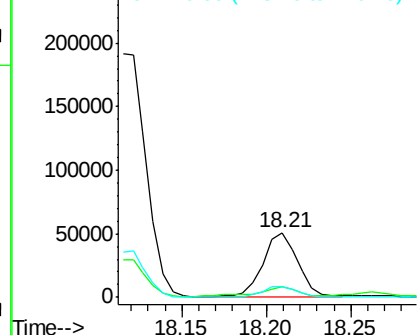
#15
 Anthracene
 Concen: 2.94 ng/ul
 RT: 18.21 min Scan# 2571
 Delta R.T. 0.00 min
 Lab File: BM002606.D
 Acq: 01 Sep 2015 01:29

Instrument :
 BNA_M
 ClientSampleId :
 D9EA5

Tgt Ion:178 Resp: 73582
 Ion Ratio Lower Upper
 178 100
 179 16.0 12.6 18.8
 176 17.2 14.5 21.7

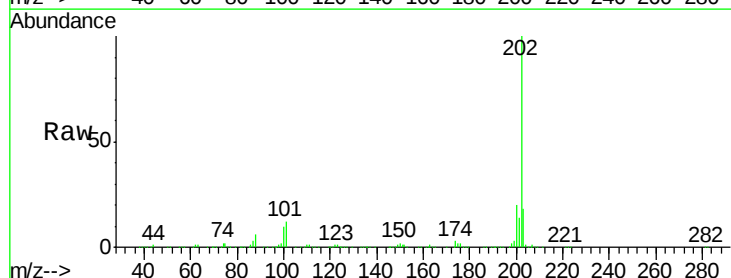


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

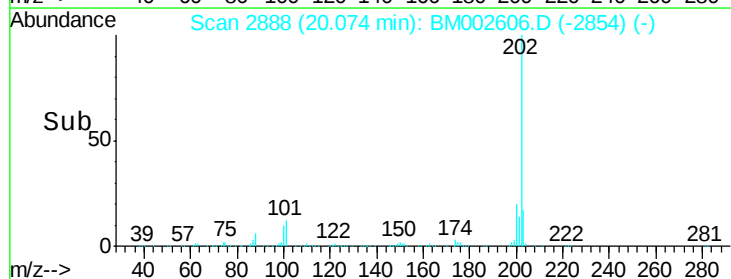
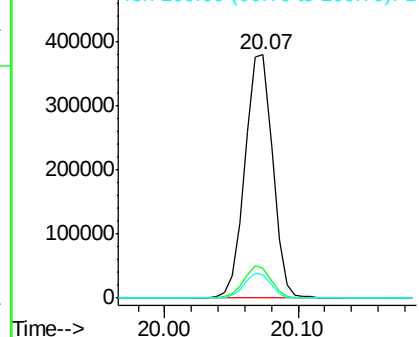


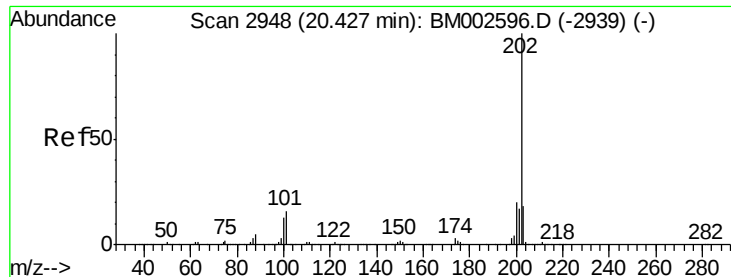
#16
 Fluoranthene
 Concen: 19.36 ng/ul
 RT: 20.07 min Scan# 2888
 Delta R.T. 0.00 min
 Lab File: BM002606.D
 Acq: 01 Sep 2015 01:29

Tgt Ion:202 Resp: 540924
 Ion Ratio Lower Upper
 202 100
 101 12.4 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: 23.03 ng/ul

RT: 20.43 min Scan# 2948

Delta R.T. 0.00 min

Lab File: BM002606.D

Acq: 01 Sep 2015 01:29

Instrument :

BNA_M

ClientSampleId :

D9EA5

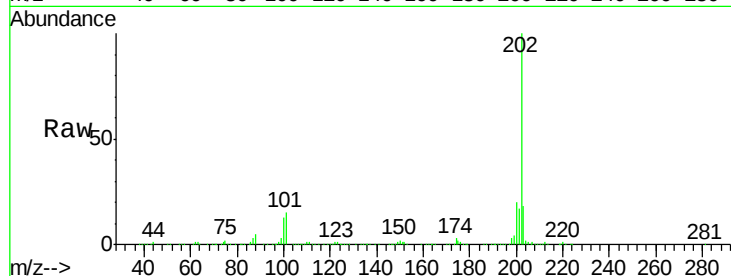
Tgt Ion:202 Resp: 446328

Ion Ratio Lower Upper

202 100

101 14.9 12.0 18.0

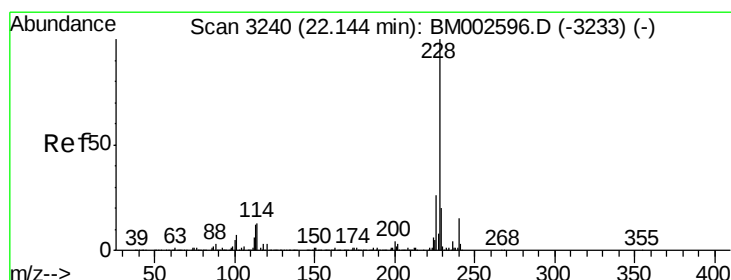
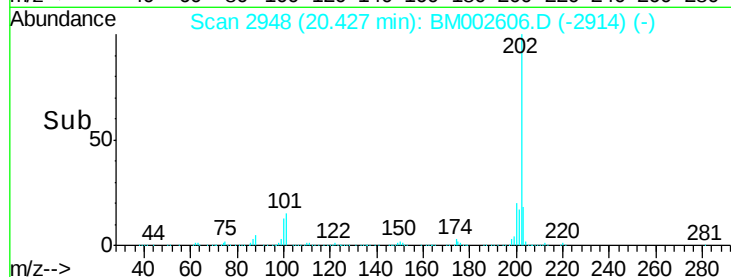
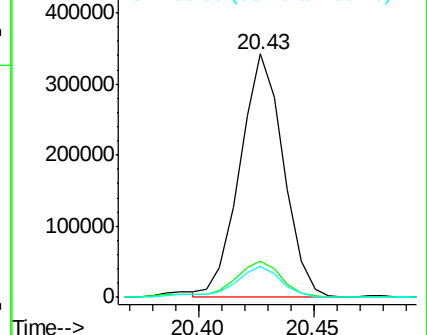
100 12.6 9.7 14.5



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: 12.04 ng/ul

RT: 22.14 min Scan# 3239

Delta R.T. -0.01 min

Lab File: BM002606.D

Acq: 01 Sep 2015 01:29

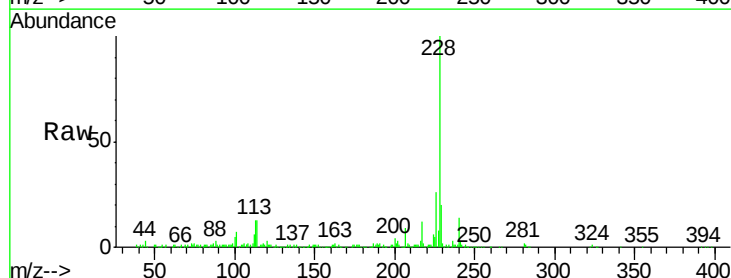
Tgt Ion:228 Resp: 238242

Ion Ratio Lower Upper

228 100

229 20.4 15.8 23.6

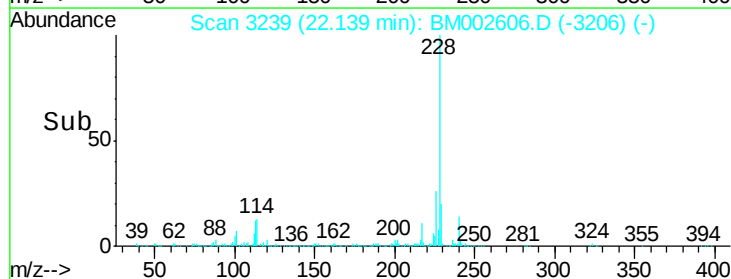
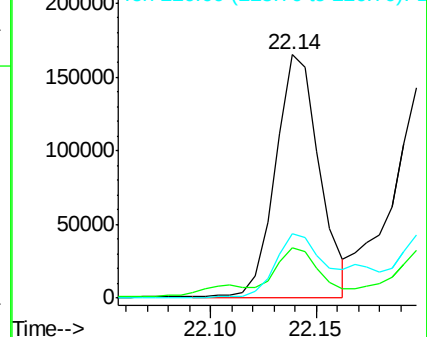
226 26.5 21.1 31.7

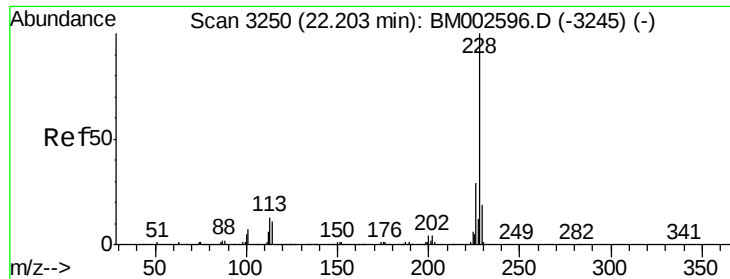


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 12.81 ng/ul

RT: 22.20 min Scan# 3249

Delta R.T. -0.01 min

Lab File: BM002606.D

Acq: 01 Sep 2015 01:29

Instrument :

BNA_M

ClientSampleId :

D9EA5

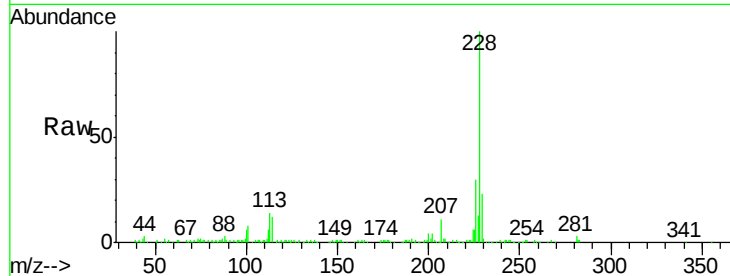
Tgt Ion: 228 Resp: 237143

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.2

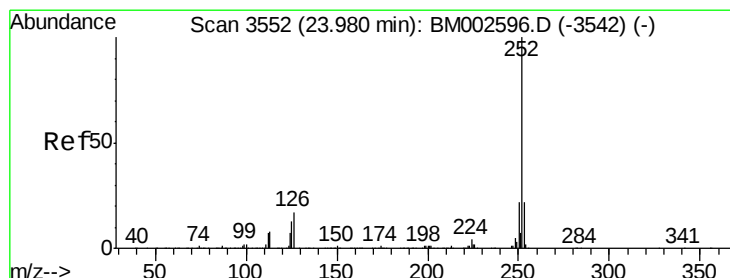
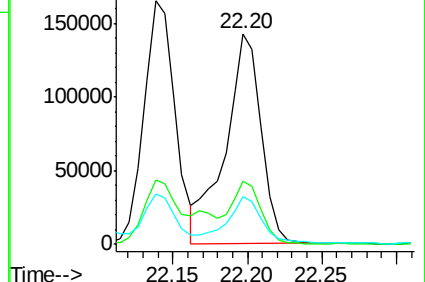
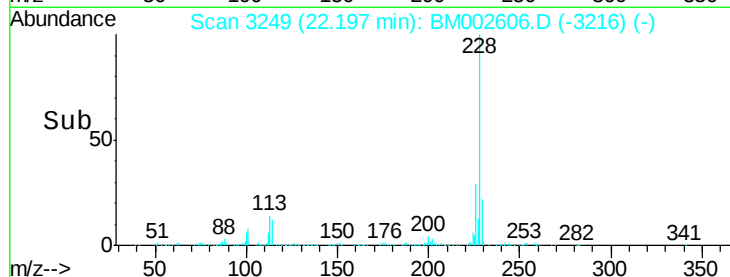
229 22.5 15.7 23.5



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: 16.71 ng/ul

RT: 23.97 min Scan# 3551

Delta R.T. -0.01 min

Lab File: BM002606.D

Acq: 01 Sep 2015 01:29

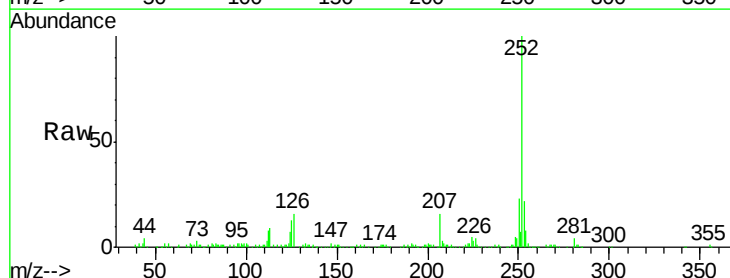
Tgt Ion: 252 Resp: 340095

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

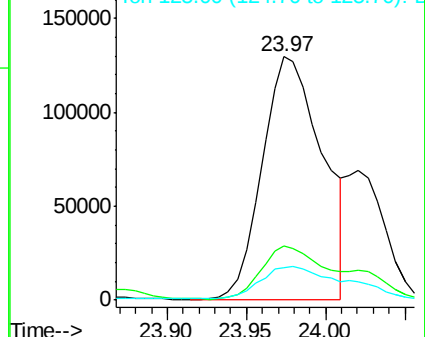
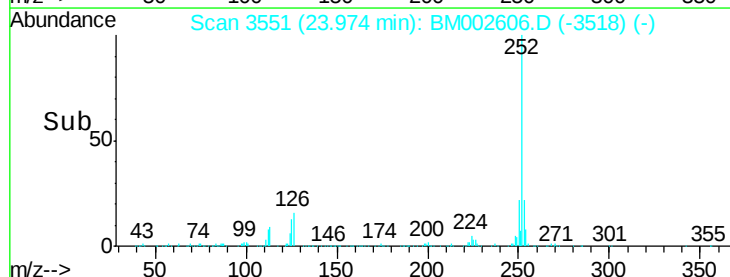
125 13.5 10.0 15.0

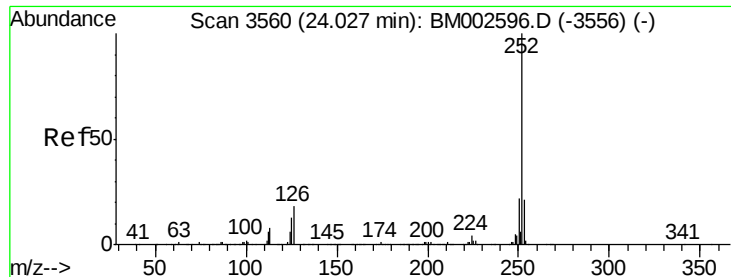


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 4.94 ng/ul

RT: 23.97 min Scan# 3551

Delta R.T. -0.05 min

Lab File: BM002606.D

Acq: 01 Sep 2015 01:29

Instrument :

BNA_M

ClientSampleId :

D9EA5

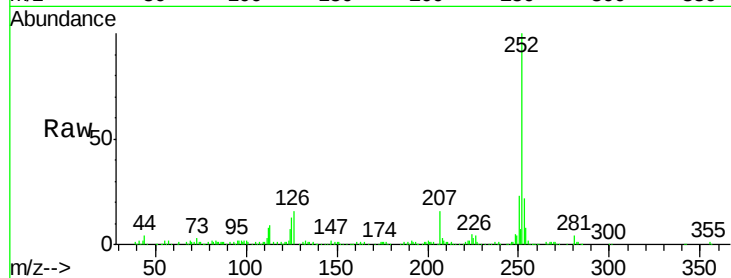
Tgt Ion:252 Resp: 95287

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

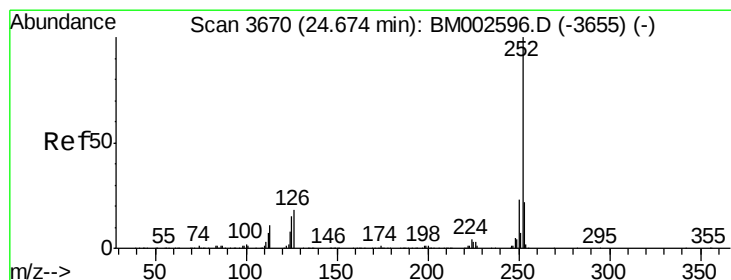
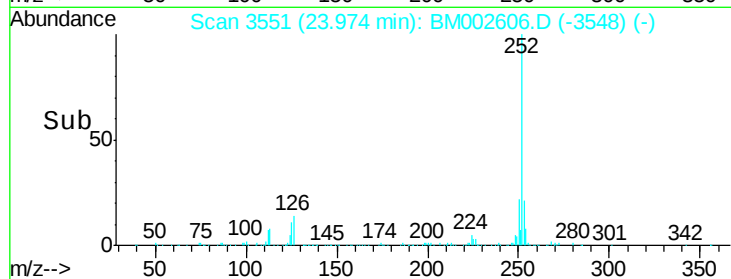
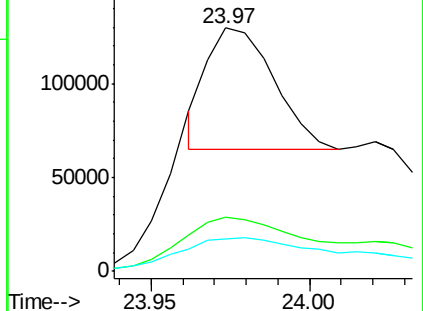
125 13.5 9.8 14.8



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: 11.60 ng/ul

RT: 24.67 min Scan# 3669

Delta R.T. -0.01 min

Lab File: BM002606.D

Acq: 01 Sep 2015 01:29

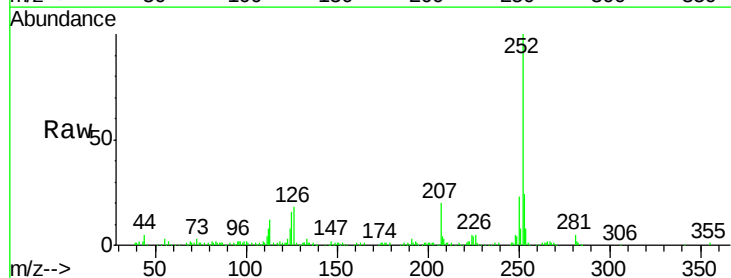
Tgt Ion:252 Resp: 225429

Ion Ratio Lower Upper

252 100

253 23.6 17.6 26.4

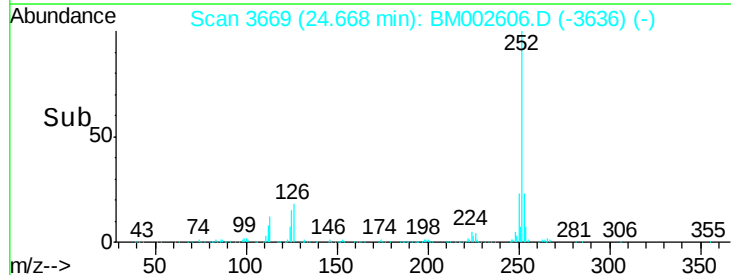
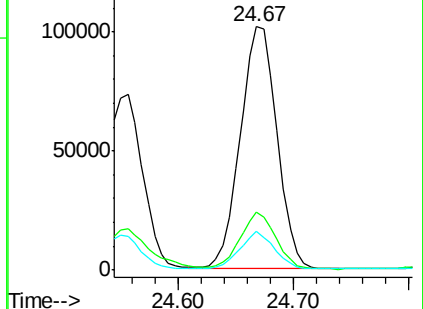
125 15.7 10.7 16.1

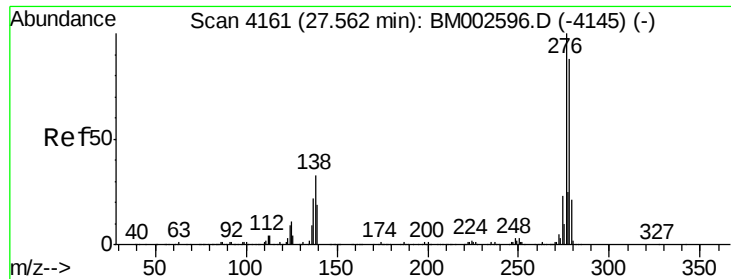


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

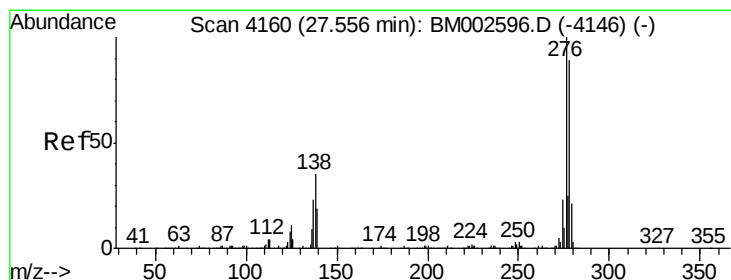
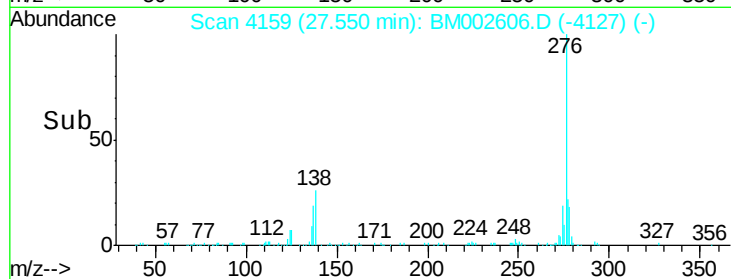
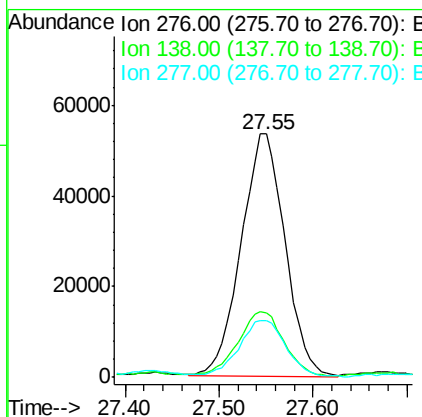
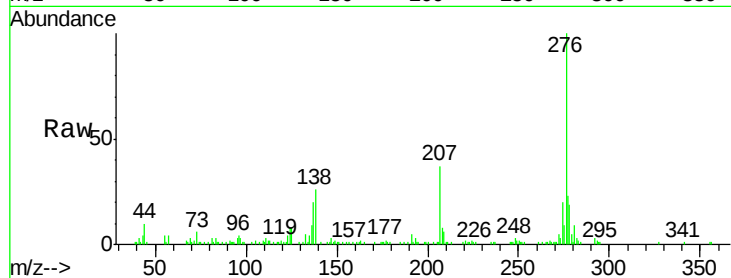




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 7.72 ng/ul
 RT: 27.55 min Scan# 4159
 Delta R.T. -0.01 min
 Lab File: BM002606.D
 Acq: 01 Sep 2015 01:29

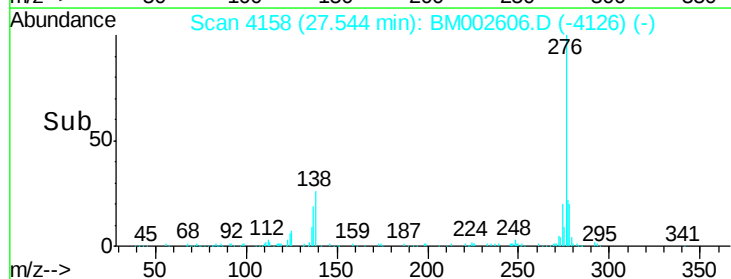
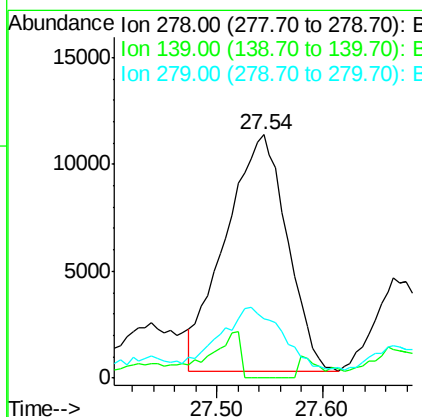
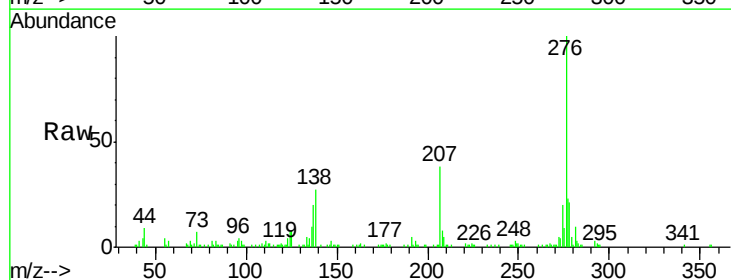
Instrument :
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 D9EA5

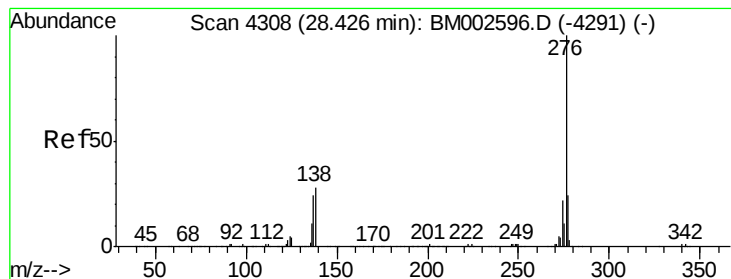
Tgt Ion: 276 Resp: 172458
 Ion Ratio Lower Upper
 276 100
 138 26.3 25.3 37.9
 277 23.3 20.2 30.2



#28
 Dibenzo(a,h)anthracene
 Concen: 2.39 ng/ul
 RT: 27.54 min Scan# 4158
 Delta R.T. -0.01 min
 Lab File: BM002606.D
 Acq: 01 Sep 2015 01:29

Tgt Ion: 278 Resp: 44689
 Ion Ratio Lower Upper
 278 100
 139 0.0 16.5 24.7#
 279 24.3 18.8 28.2





#29

Benzo(g,h,i)perylene

Concen: 7.85 ng/ul

RT: 28.41 min Scan# 4305

Delta R.T. -0.02 min

Lab File: BM002606.D

Acq: 01 Sep 2015 01:29

Instrument :

BNA_M

ClientSampleId :

D9EA5

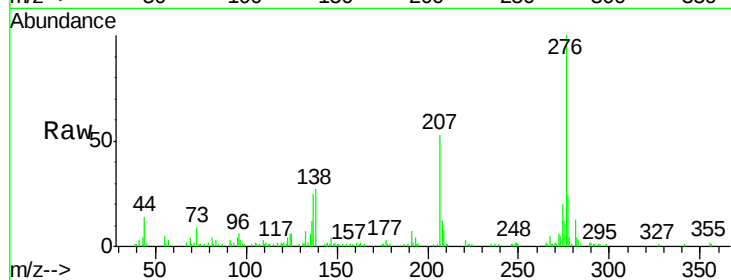
Tgt Ion: 276 Resp: 146008

Ion Ratio Lower Upper

276 100

138 27.4 21.0 31.6

277 24.3 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

