

Data Path : Z:\HPCHEM1\BNA_M\Data\BM083115\
 Data File : BM002620.D
 Acq On : 01 Sep 2015 09:59
 Operator : UM/IZ
 Sample : G3457-08
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9EB2

Quant Time: Sep 01 11:09:09 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 01 07:11:38 2015
 Response via : Initial Calibration

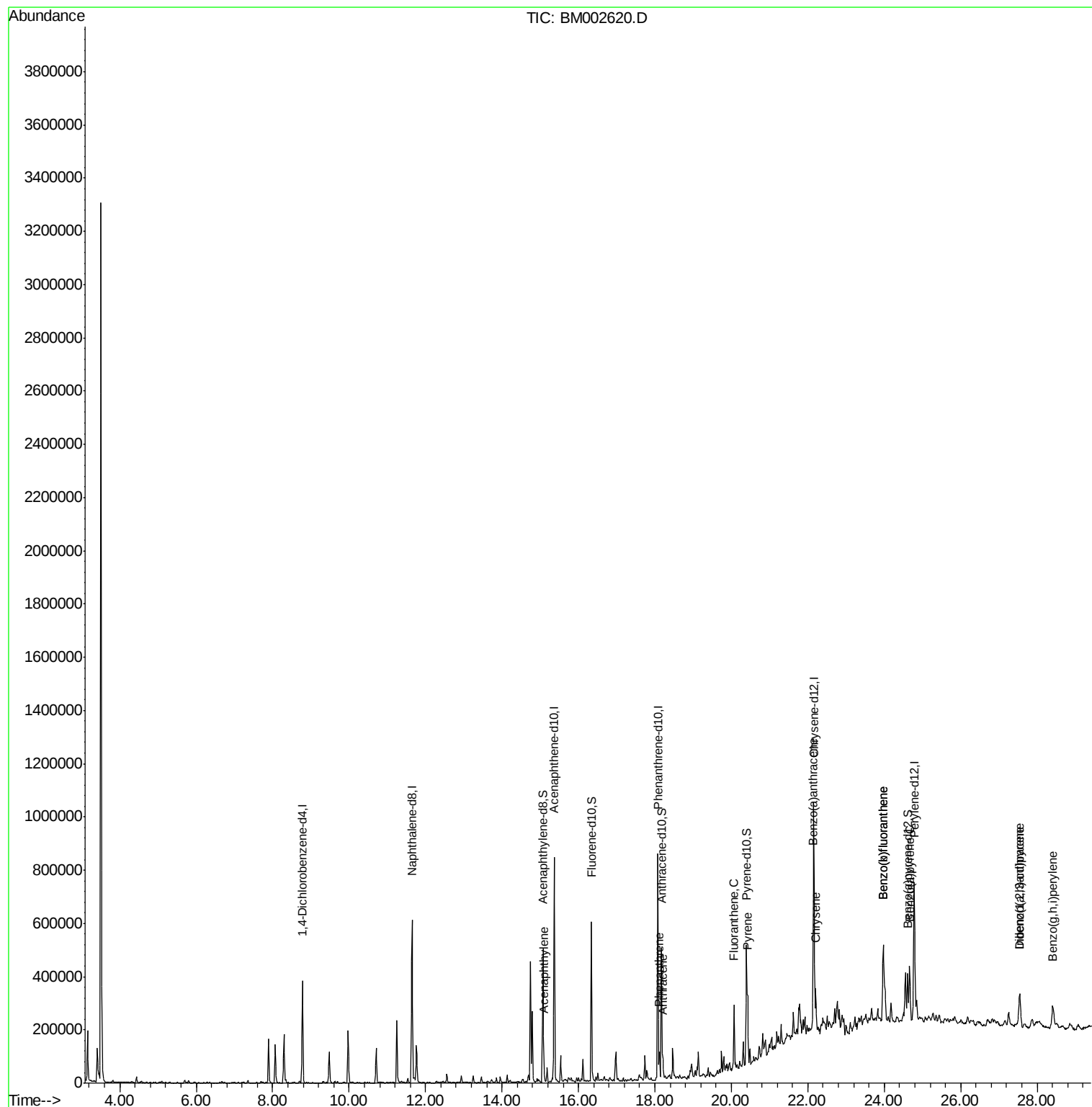
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.77	152	121885	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	574397	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	292373	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.07	188	506938	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	402019	20.00	ng/ul	0.00
22) Perylene-d12	24.78	264	430206	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.07	160	381400	12.76	ng/ul	0.00
10) Fluorene-d10	16.34	176	239698	11.42	ng/ul	0.00
14) Anthracene-d10	18.17	188	286910	11.73	ng/ul	0.00
18) Pyrene-d10	20.40	212	218457	12.26	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.61	264	148139	6.56	ng/ul	0.00
Target Compounds						
8) Acenaphthylene	15.10	152	35673	1.14	ng/ul	Qvalue 98
13) Phenanthrene	18.12	178	65272	2.23	ng/ul	99
15) Anthracene	18.21	178	44279	1.49	ng/ul	100
16) Fluoranthene	20.07	202	142052	4.29	ng/ul	97
19) Pyrene	20.43	202	148426	6.30	ng/ul	99
20) Benzo(a)anthracene	22.14	228	137075	5.70	ng/ul	98
21) Chrysene	22.20	228	126718	5.64	ng/ul	97
23) Benzo(b)fluoranthene	23.97	252	265735	10.22	ng/ul	96
24) Benzo(k)fluoranthene	23.97	252	67513	2.74	ng/ul	97
26) Benzo(a)pyrene	24.67	252	158547	6.38	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	27.54	276	116617	4.08	ng/ul	97
28) Dibenzo(a,h)anthracene	27.54	278	39612	1.66	ng/ul#	79
29) Benzo(g,h,i)perylene	28.41	276	106967	4.50	ng/ul#	93

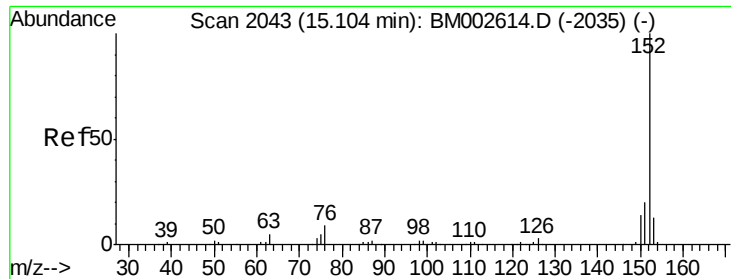
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 1.14 ng/ul

RT: 15.10 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BM002620.D

Acq: 01 Sep 2015 09:59

Instrument :

BNA_M

ClientSampleId :

D9EB2

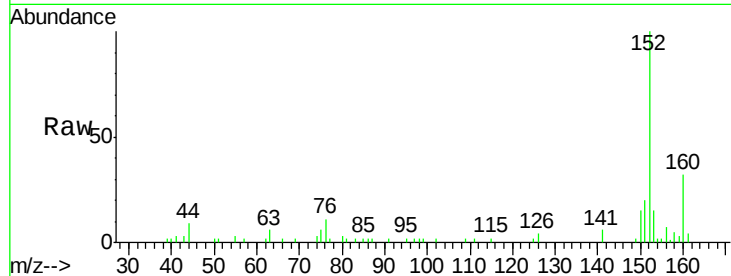
Tgt Ion:152 Resp: 35673

Ion Ratio Lower Upper

152 100

151 19.9 15.7 23.5

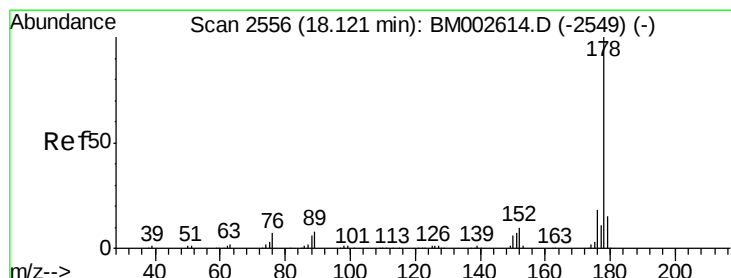
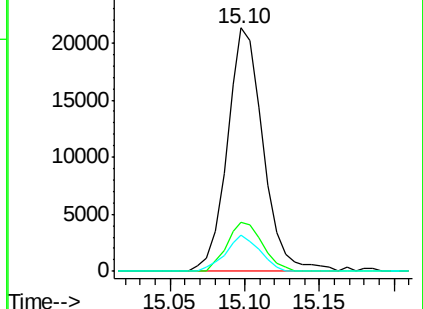
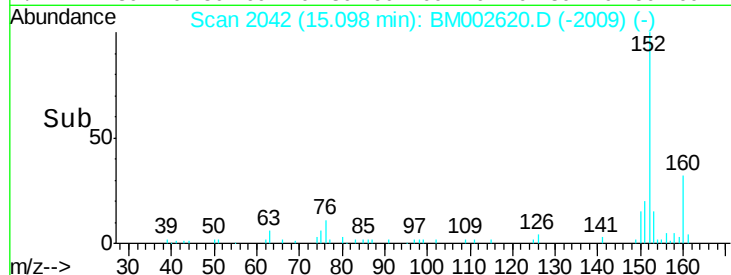
153 14.8 10.2 15.4



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: 2.23 ng/ul

RT: 18.12 min Scan# 2555

Delta R.T. -0.01 min

Lab File: BM002620.D

Acq: 01 Sep 2015 09:59

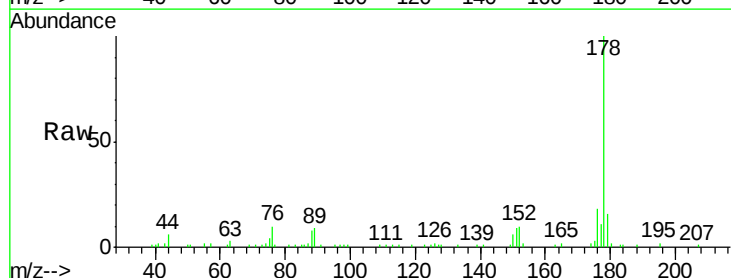
Tgt Ion:178 Resp: 65272

Ion Ratio Lower Upper

178 100

179 16.0 12.4 18.6

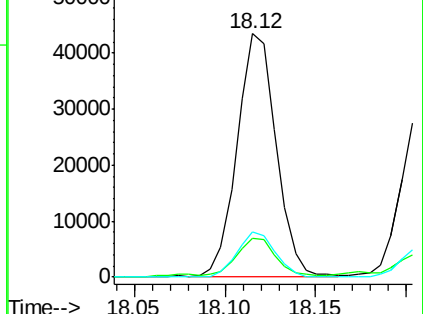
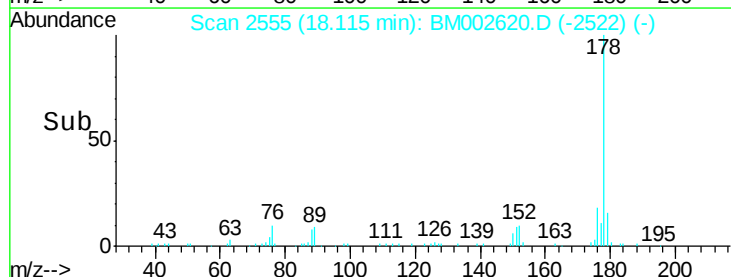
176 18.4 15.1 22.7

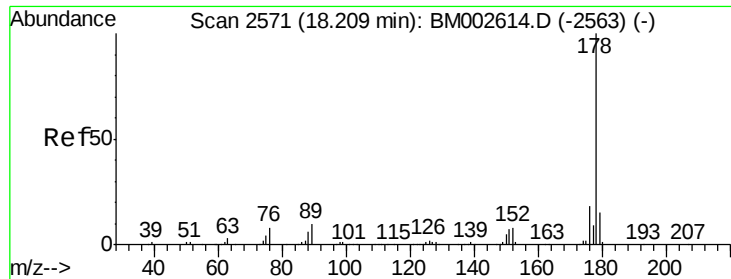


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Anthracene

Concen: 1.49 ng/ul

RT: 18.21 min Scan# 2571

Delta R.T. -0.00 min

Lab File: BM002620.D

Acq: 01 Sep 2015 09:59

Instrument :

BNA_M

ClientSampleId :

D9EB2

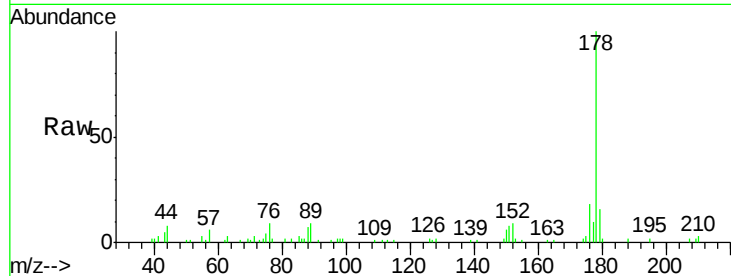
Tgt Ion:178 Resp: 44279

Ion Ratio Lower Upper

178 100

179 15.7 12.6 18.8

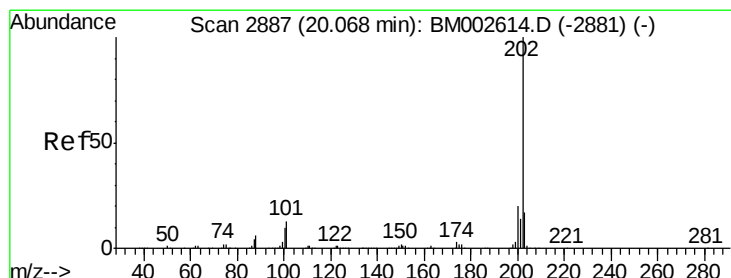
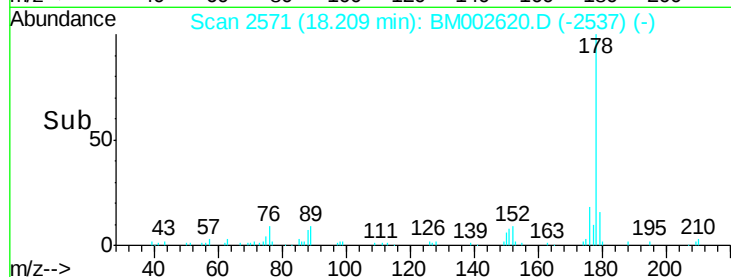
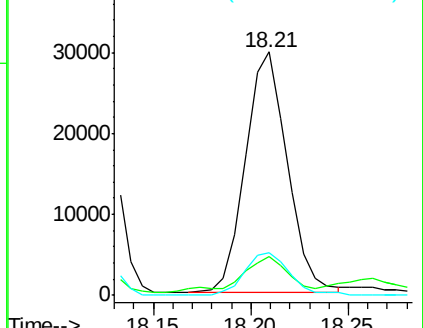
176 17.7 14.5 21.7



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: 4.29 ng/ul

RT: 20.07 min Scan# 2887

Delta R.T. -0.00 min

Lab File: BM002620.D

Acq: 01 Sep 2015 09:59

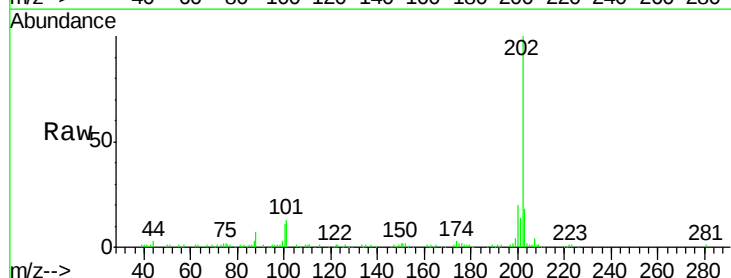
Tgt Ion:202 Resp: 142052

Ion Ratio Lower Upper

202 100

101 12.9 9.7 14.5

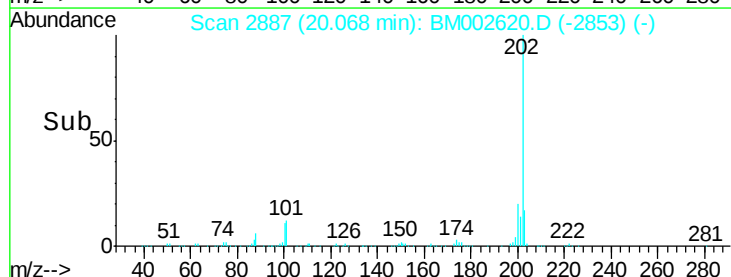
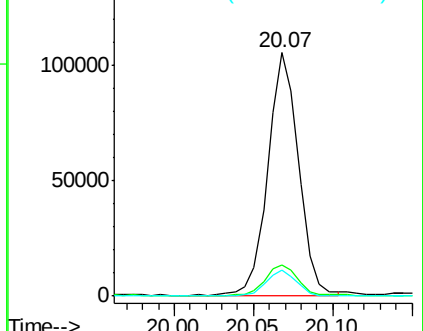
100 10.5 7.4 11.2

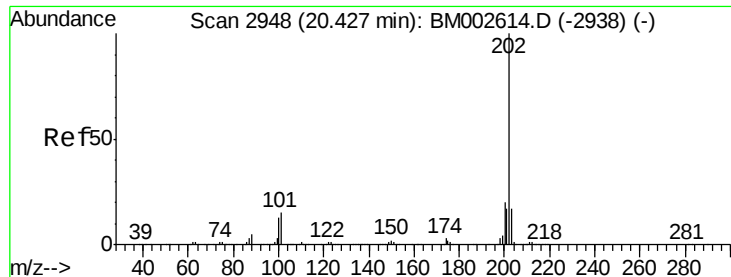


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pyrene

Concen: 6.30 ng/ul

RT: 20.43 min Scan# 2948

Delta R.T. -0.00 min

Lab File: BM002620.D

Acq: 01 Sep 2015 09:59

Instrument :

BNA_M

ClientSampleId :

D9EB2

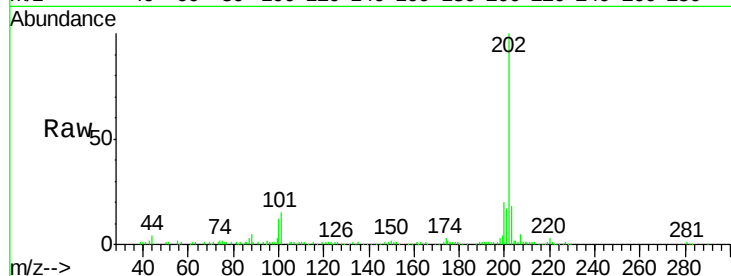
Tgt Ion:202 Resp: 148426

Ion Ratio Lower Upper

202 100

101 14.7 12.0 18.0

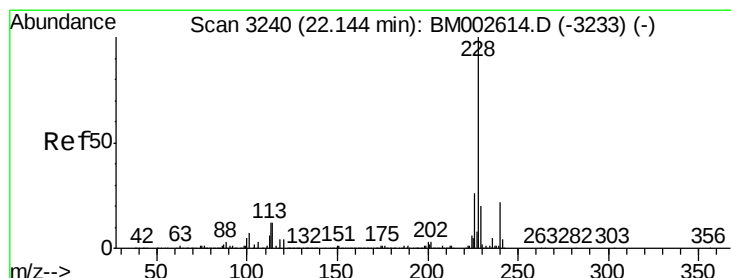
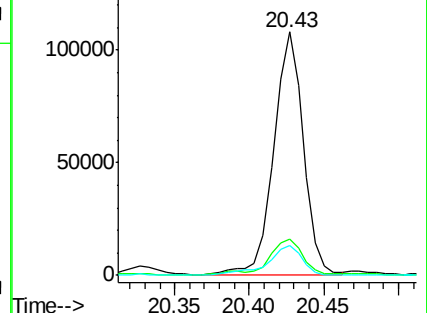
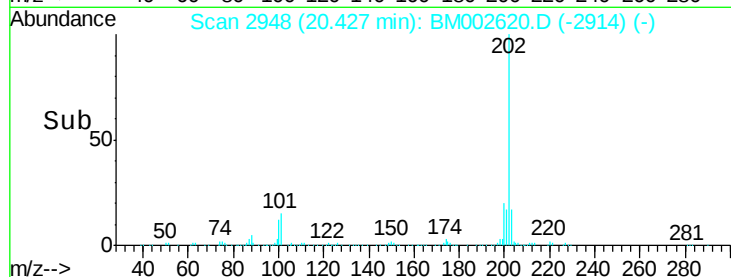
100 12.3 9.7 14.5



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: 5.70 ng/ul

RT: 22.14 min Scan# 3239

Delta R.T. -0.01 min

Lab File: BM002620.D

Acq: 01 Sep 2015 09:59

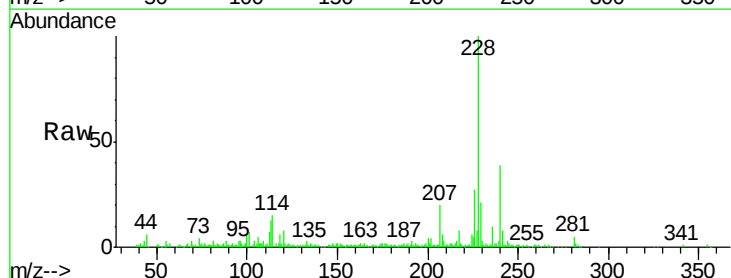
Tgt Ion:228 Resp: 137075

Ion Ratio Lower Upper

228 100

229 21.0 15.8 23.6

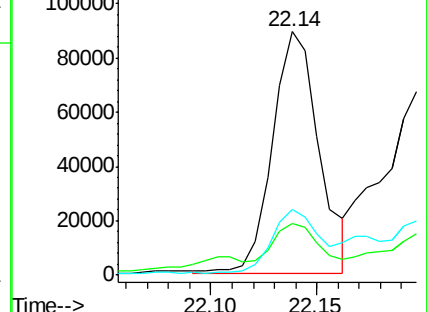
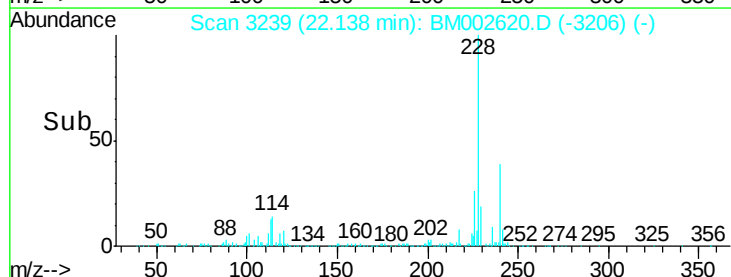
226 27.0 21.1 31.7

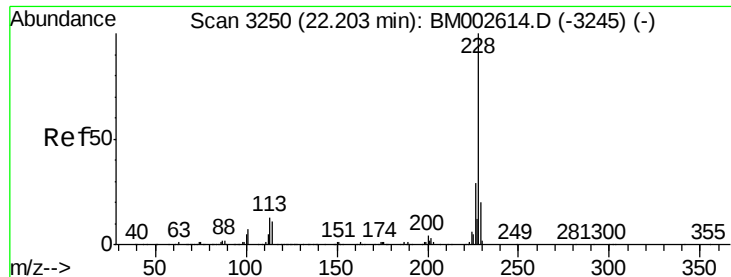


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

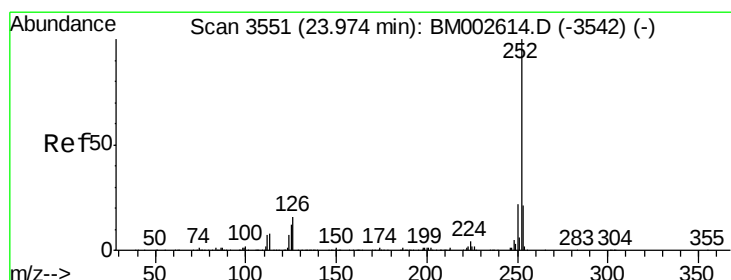
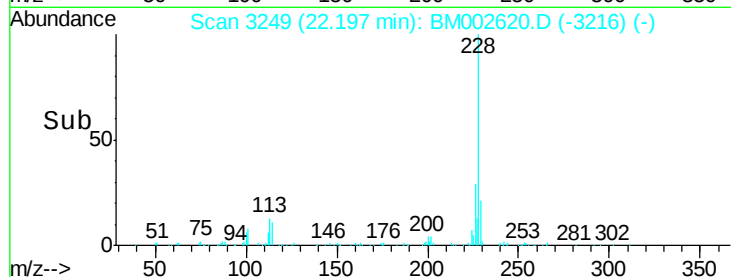
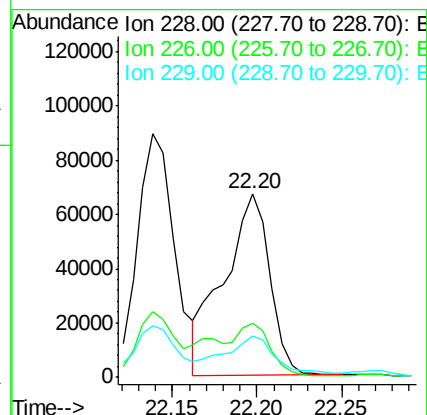
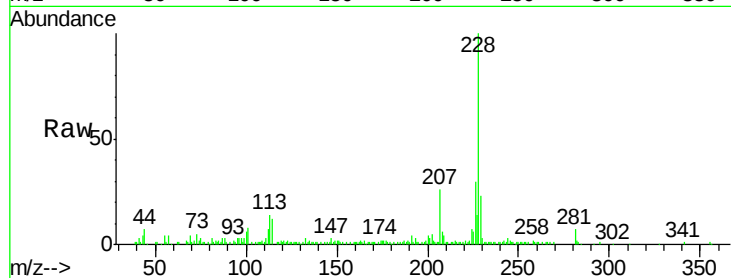




#21
Chrysene
Concen: 5.64 ng/ul
RT: 22.20 min Scan# 3249
Delta R.T. -0.01 min
Lab File: BM002620.D
Acq: 01 Sep 2015 09:59

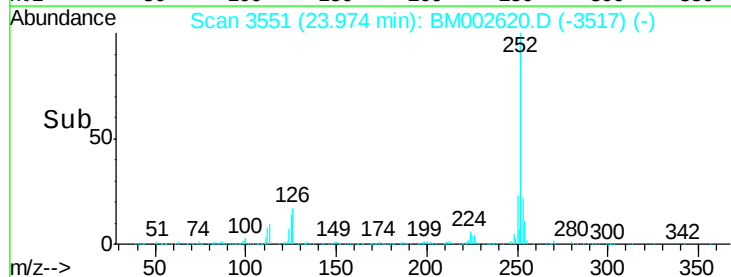
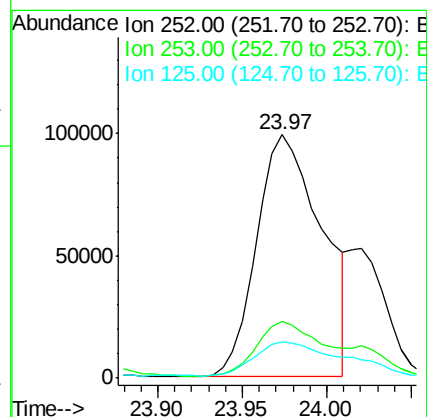
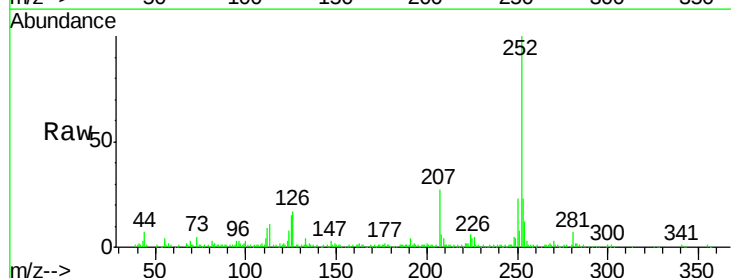
Instrument :
BNA_M
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D9EB2

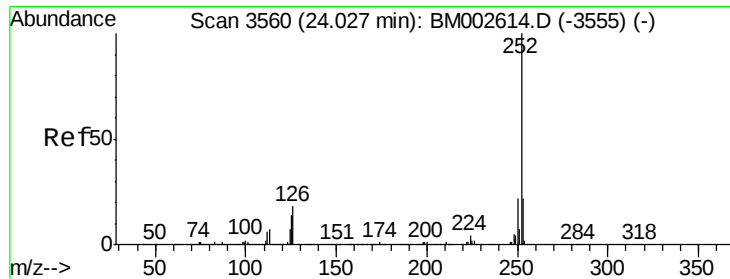
Tgt Ion: 228 Resp: 126718
Ion Ratio Lower Upper
228 100
226 29.5 23.4 35.2
229 22.6 15.7 23.5



#23
Benzo(b)fluoranthene
Concen: 10.22 ng/ul
RT: 23.97 min Scan# 3551
Delta R.T. -0.00 min
Lab File: BM002620.D
Acq: 01 Sep 2015 09:59

Tgt Ion: 252 Resp: 265735
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 14.7 10.0 15.0

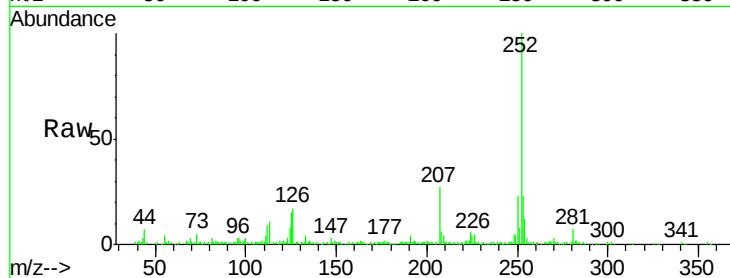




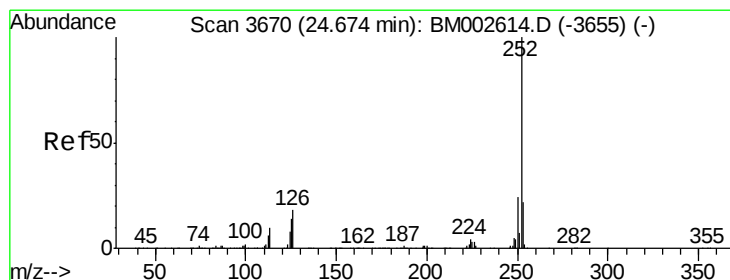
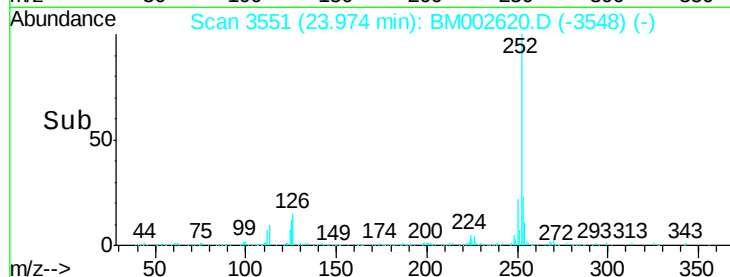
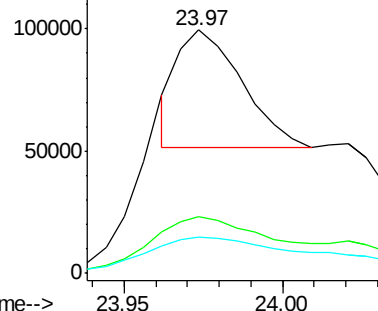
#24
Benzo(k)fluoranthene
Concen: 2.74 ng/u1
RT: 23.97 min Scan# 3551
Delta R.T. -0.05 min
Lab File: BM002620.D
Acq: 01 Sep 2015 09:59

Instrument :
BNA_M
ClientSampleId :
D9EB2

Tgt Ion:252 Resp: 67513
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 14.7 9.8 14.8

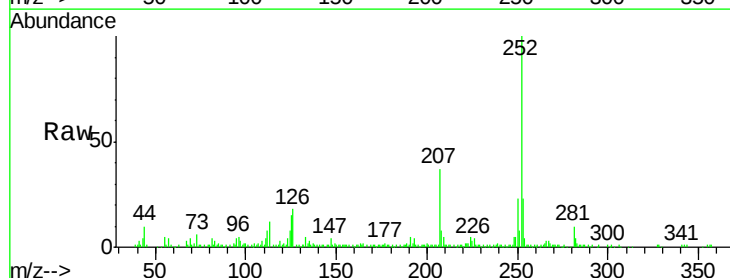


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

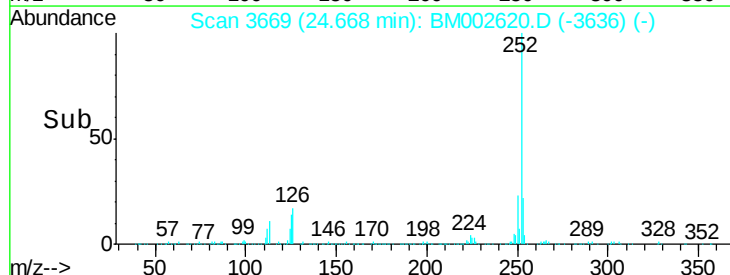
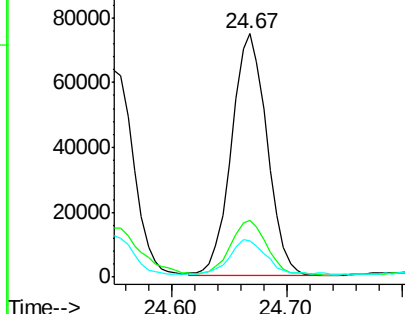


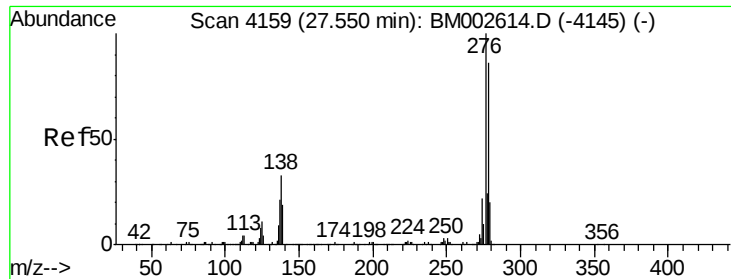
#26
Benzo(a)pyrene
Concen: 6.38 ng/u1
RT: 24.67 min Scan# 3669
Delta R.T. -0.01 min
Lab File: BM002620.D
Acq: 01 Sep 2015 09:59

Tgt Ion:252 Resp: 158547
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 15.1 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: 4.08 ng/ul

RT: 27.54 min Scan# 4158

Delta R.T. -0.01 min

Lab File: BM002620.D

Acq: 01 Sep 2015 09:59

Instrument :

BNA_M

ClientSampleId :

D9EB2

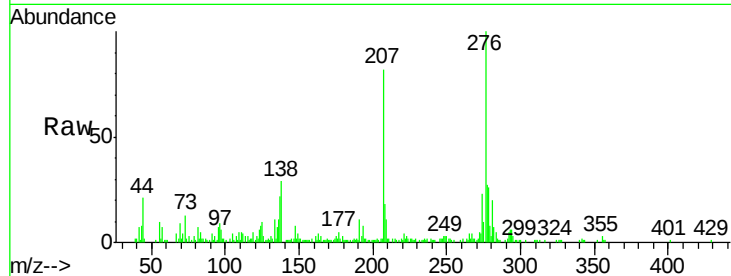
Tgt Ion:276 Resp: 116617

Ion Ratio Lower Upper

276 100

138 29.4 25.3 37.9

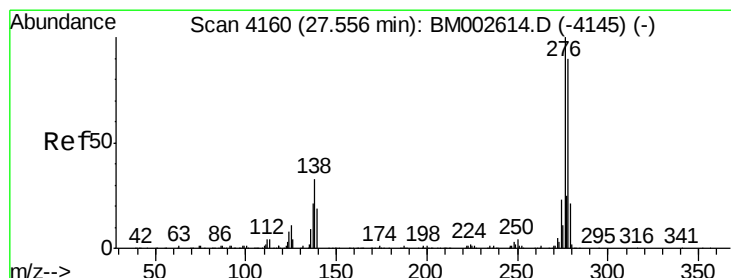
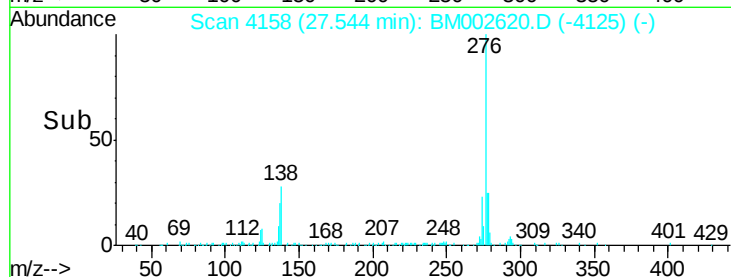
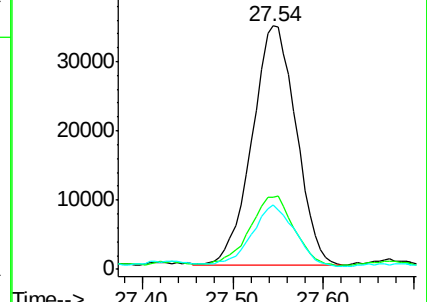
277 26.5 20.2 30.2



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: 1.66 ng/ul

RT: 27.54 min Scan# 4157

Delta R.T. -0.02 min

Lab File: BM002620.D

Acq: 01 Sep 2015 09:59

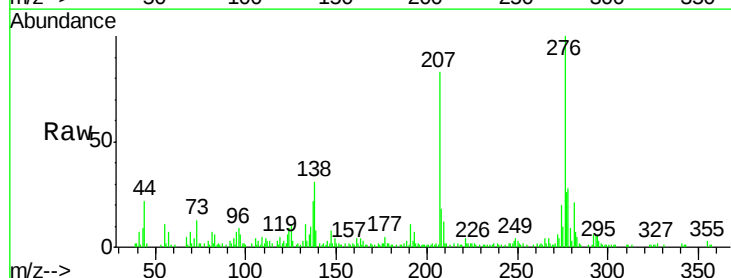
Tgt Ion:278 Resp: 39612

Ion Ratio Lower Upper

278 100

139 30.5 16.5 24.7#

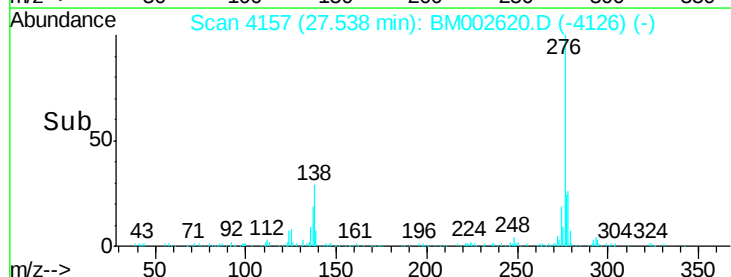
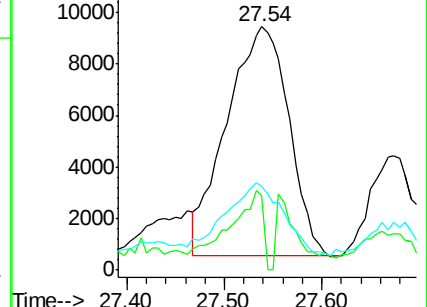
279 34.1 18.8 28.2#

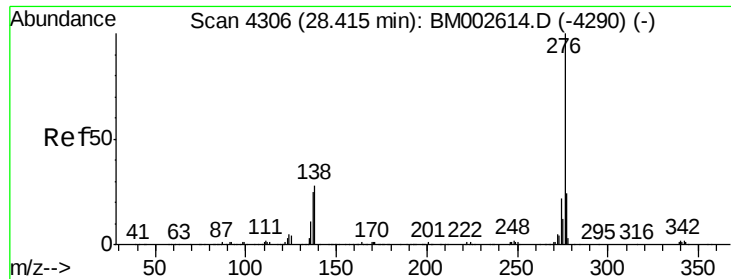


Abundance Ion 278.00 (277.70 to 278.70): E

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: 4.50 ng/ul

RT: 28.41 min Scan# 4305

Delta R.T. -0.01 min

Lab File: BM002620.D

Acq: 01 Sep 2015 09:59

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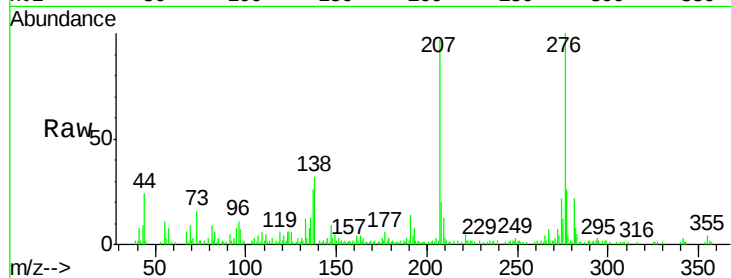
Tgt Ion: 276 Resp: 106967

Ion Ratio Lower Upper

276 100

138 31.9 21.0 31.6#

277 25.6 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

