

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081815\
 Data File : BM002485.D
 Acq On : 18 Aug 2015 16:20
 Operator : UM/IZ
 Sample : G3227-20DL 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DD9DL

Quant Time: Aug 18 18:29:34 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 18 18:25:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	109307	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	495965	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	259604	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.17	188	535472	20.00	ng/ul	0.00
17) Chrysene-d12	22.25	240	404284	20.00	ng/ul	0.00
22) Perylene-d12	24.93	264	379026	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	365902	13.79	ng/ul	0.00
10) Fluorene-d10	16.43	176	249262	13.37	ng/ul	0.00
14) Anthracene-d10	18.26	188	364760	14.12	ng/ul	0.00
18) Pyrene-d10	20.49	212	326686	18.23	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.76	264	260078	13.06	ng/ul	0.00

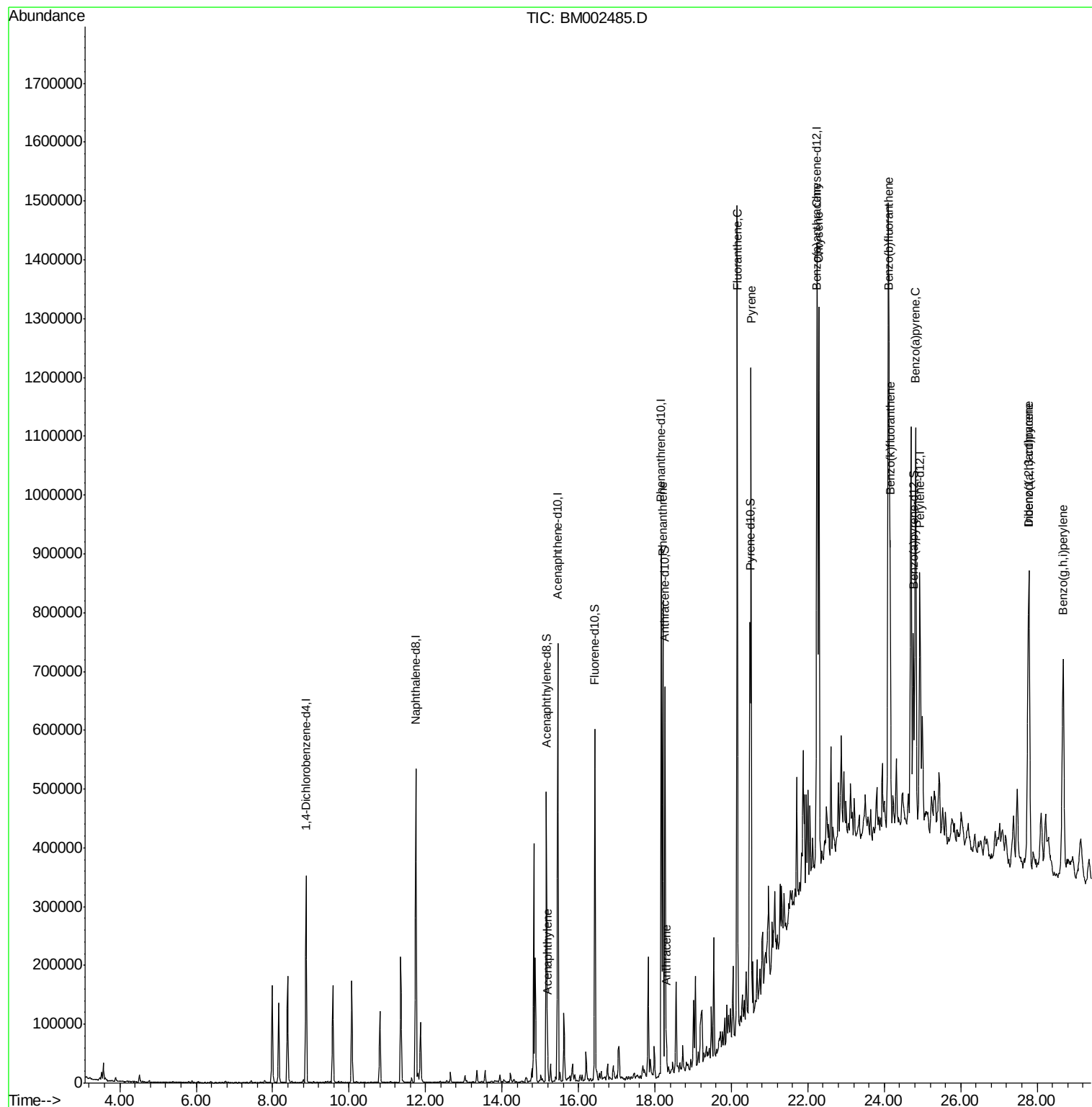
Target Compounds				Qvalue		
8) Acenaphthylene	15.19	152	38799	1.40	ng/ul	98
13) Phenanthrene	18.21	178	502160	16.24	ng/ul	100
15) Anthracene	18.30	178	46562	1.49	ng/ul	96
16) Fluoranthene	20.16	202	833281	23.80	ng/ul	99
19) Pyrene	20.51	202	660966	27.91	ng/ul	99
20) Benzo(a)anthracene	22.23	228	451743	18.69	ng/ul	98
21) Chrysene	22.29	228	574380	25.40	ng/ul	98
23) Benzo(b)fluoranthene	24.11	252	1017371	44.40	ng/ul	97
24) Benzo(k)fluoranthene	24.16	252	362587m	16.70	ng/ul	
26) Benzo(a)pyrene	24.82	252	578103	26.41	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.79	276	558901	22.21	ng/ul	94
28) Dibenzo(a,h)anthracene	27.77	278	184160	8.75	ng/ul#	91
29) Benzo(g,h,i)perylene	28.68	276	505763	24.14	ng/ul	99

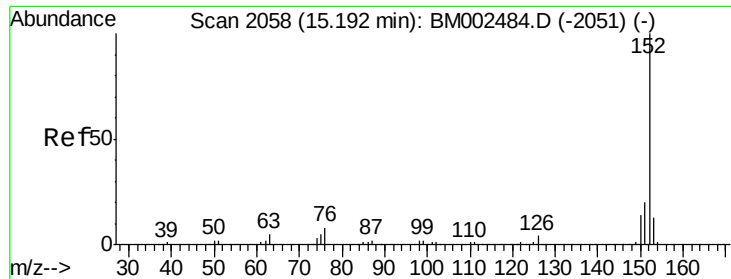
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 1.40 ng/ul

RT: 15.19 min Scan# 2058

Delta R.T. -0.00 min

Lab File: BM002485.D

Acq: 18 Aug 2015 16:20

Instrument :

BNA_M

ClientSampleId :

D9DD9DL

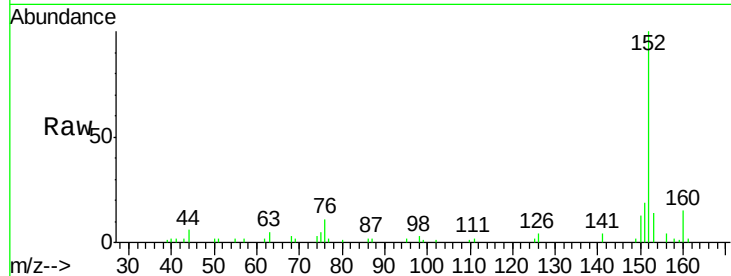
Tgt Ion:152 Resp: 38799

Ion Ratio Lower Upper

152 100

151 18.7 15.7 23.5

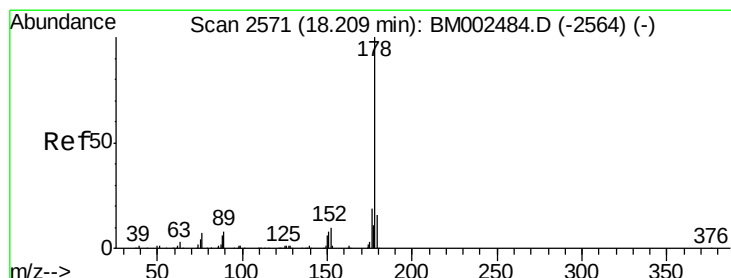
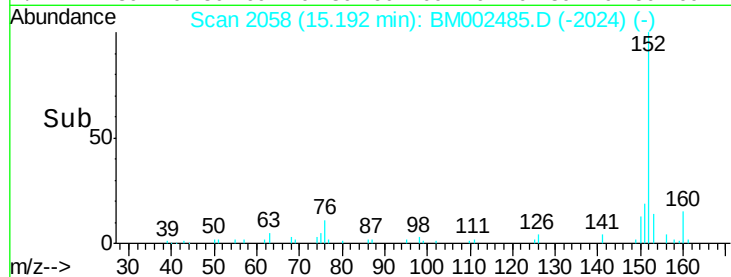
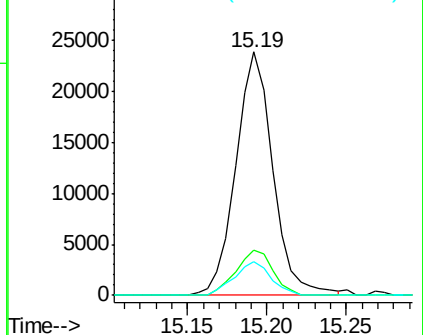
153 13.7 10.2 15.4



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: 16.24 ng/ul

RT: 18.21 min Scan# 2571

Delta R.T. -0.00 min

Lab File: BM002485.D

Acq: 18 Aug 2015 16:20

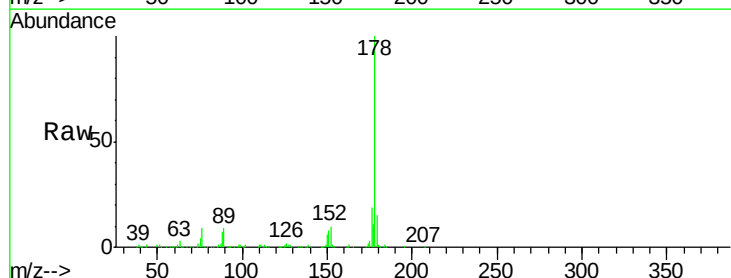
Tgt Ion:178 Resp: 502160

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

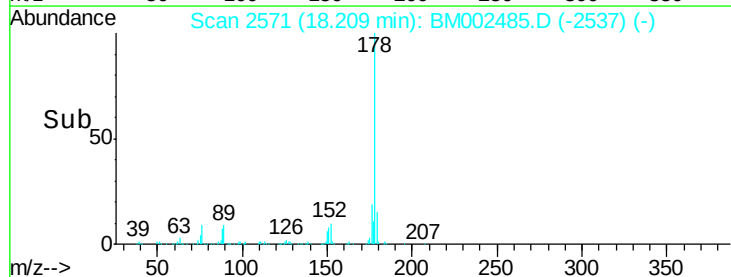
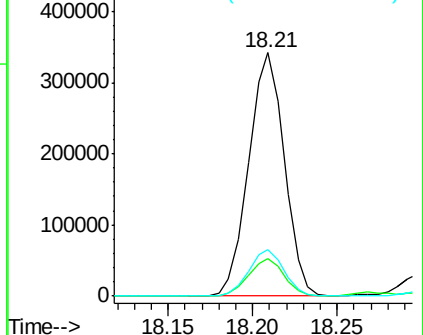
176 19.2 15.1 22.7

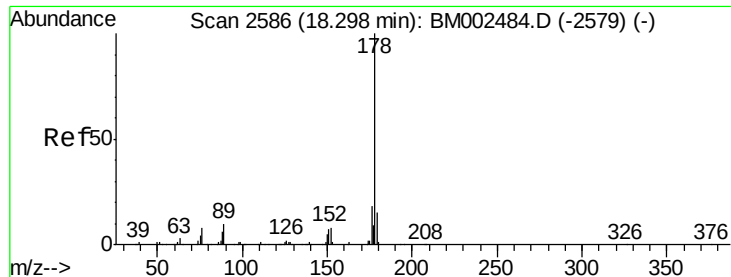


Abundance Ion 178.00 (177.70 to 178.70): E

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: 18.30 min Scan# 2586

Delta R.T. -0.00 min

Lab File: BM002485.D

Acq: 18 Aug 2015 16:20

Instrument :

BNA_M

ClientSampleId :

D9DD9DL

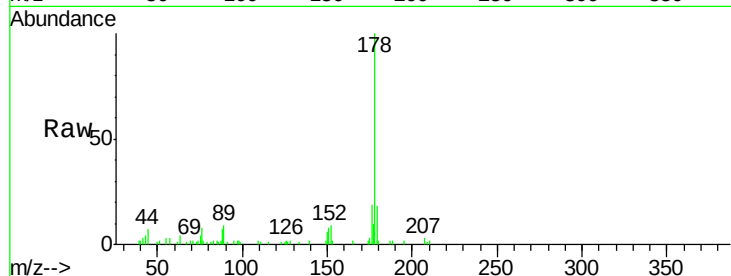
Tgt Ion:178 Resp: 46562

Ion Ratio Lower Upper

178 100

179 17.7 12.6 18.8

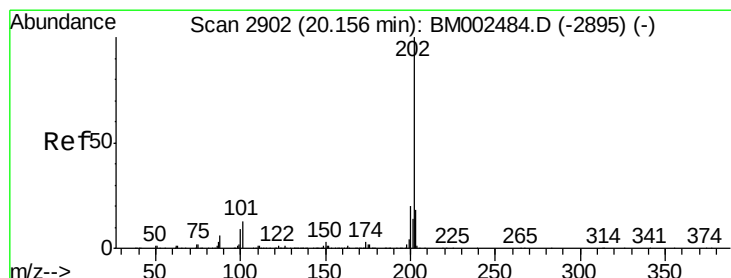
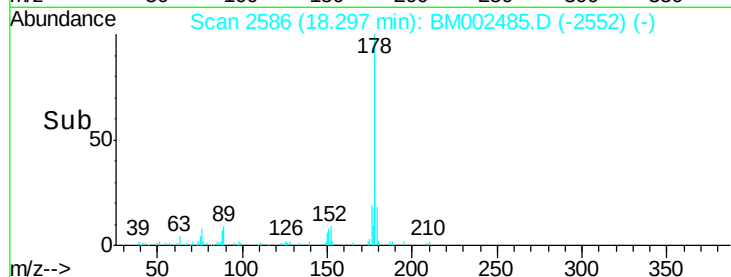
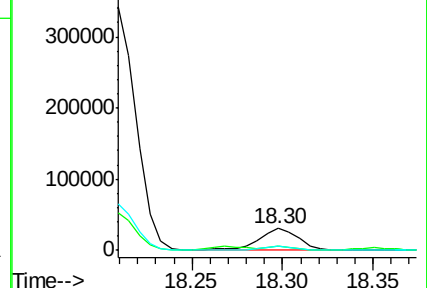
176 19.2 14.5 21.7



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: 23.80 ng/ul

RT: 20.16 min Scan# 2902

Delta R.T. -0.00 min

Lab File: BM002485.D

Acq: 18 Aug 2015 16:20

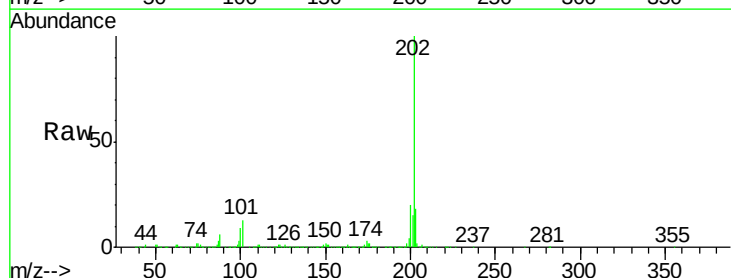
Tgt Ion:202 Resp: 833281

Ion Ratio Lower Upper

202 100

101 12.9 9.7 14.5

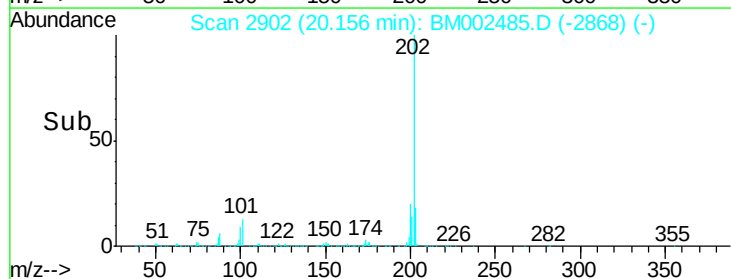
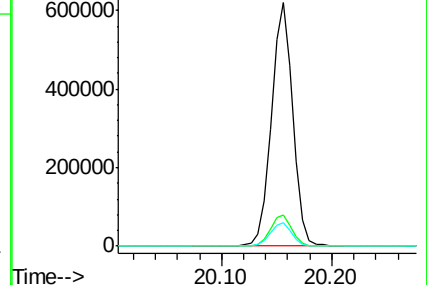
100 9.5 7.4 11.2

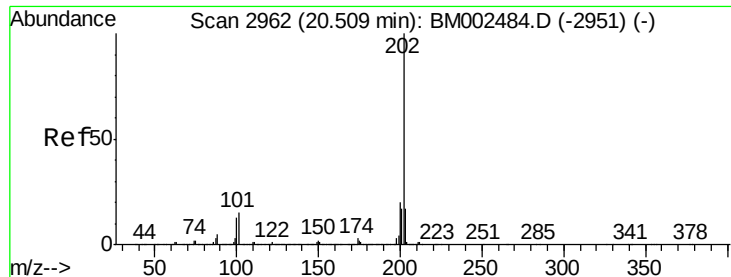


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pyrene

Concen: 27.91 ng/ul

RT: 20.51 min Scan# 2962

Delta R.T. -0.00 min

Lab File: BM002485.D

Acq: 18 Aug 2015 16:20

Instrument :

BNA_M

ClientSampleId :

D9DD9DL

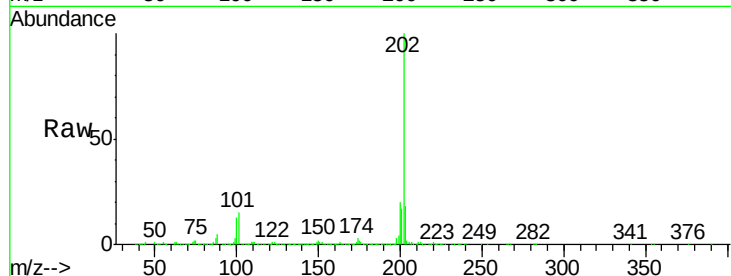
Tgt Ion:202 Resp: 660966

Ion Ratio Lower Upper

202 100

101 15.2 12.0 18.0

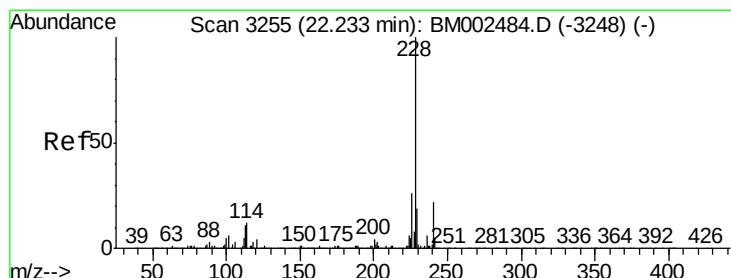
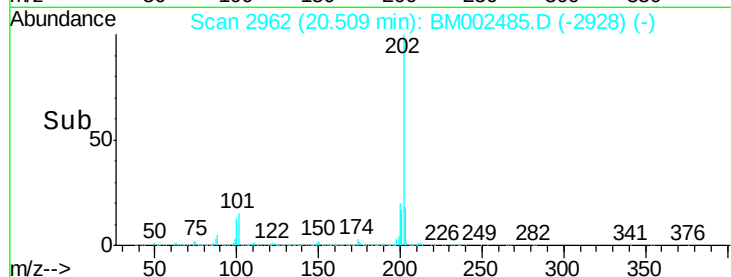
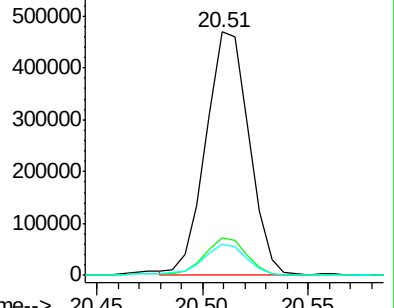
100 12.6 9.7 14.5



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: 18.69 ng/ul

RT: 22.23 min Scan# 3255

Delta R.T. -0.00 min

Lab File: BM002485.D

Acq: 18 Aug 2015 16:20

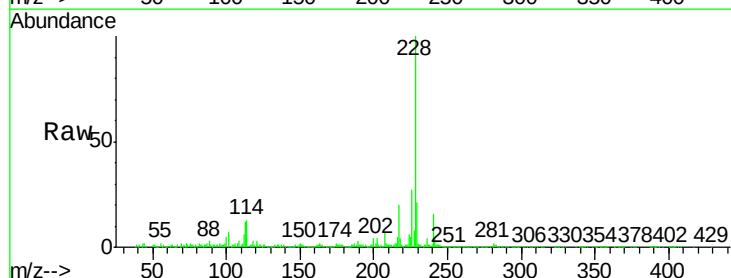
Tgt Ion:228 Resp: 451743

Ion Ratio Lower Upper

228 100

229 21.0 15.8 23.6

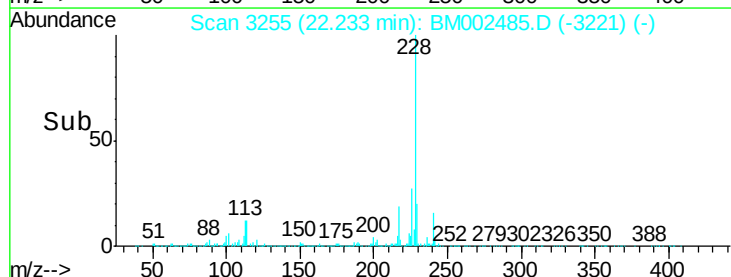
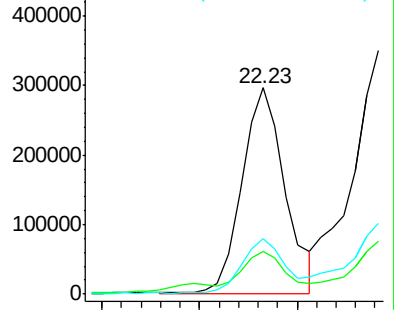
226 27.1 21.1 31.7

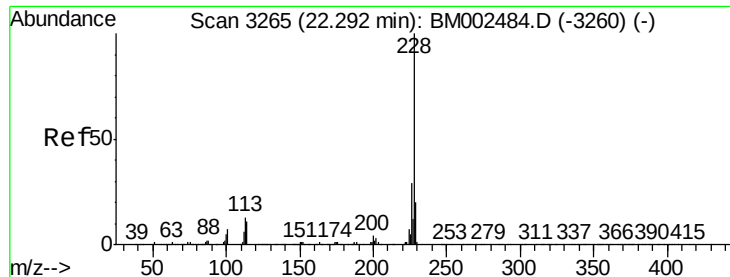


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 25.40 ng/ul

RT: 22.29 min Scan# 3265

Delta R.T. -0.00 min

Lab File: BM002485.D

Acq: 18 Aug 2015 16:20

Instrument :

BNA_M

ClientSampleId :

D9DD9DL

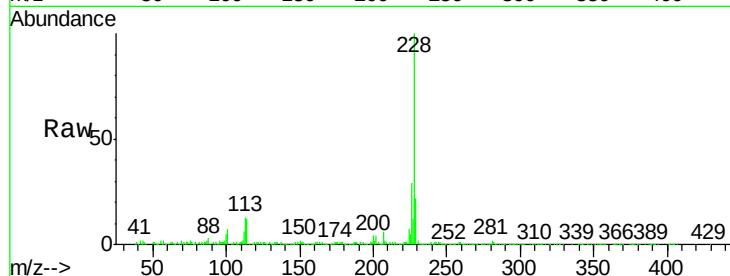
Tgt Ion:228 Resp: 574380

Ion Ratio Lower Upper

228 100

226 29.3 23.4 35.2

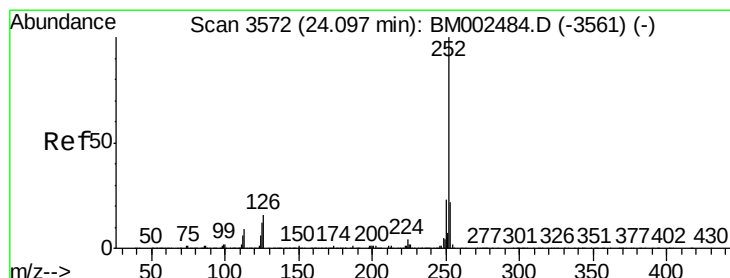
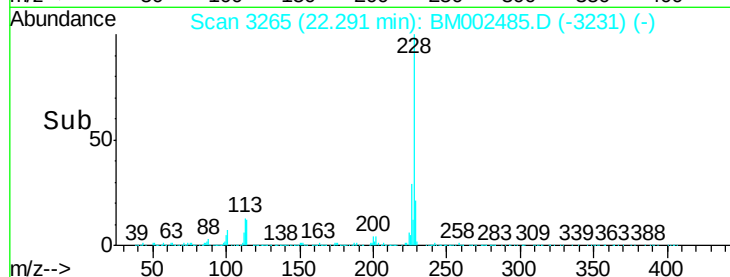
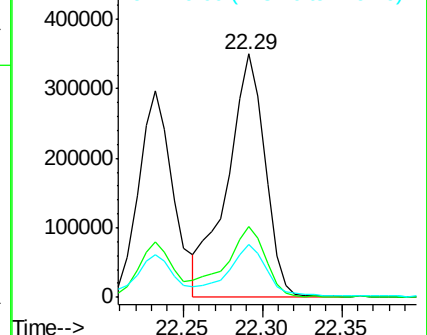
229 21.6 15.7 23.5



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: 44.40 ng/ul

RT: 24.11 min Scan# 3574

Delta R.T. 0.01 min

Lab File: BM002485.D

Acq: 18 Aug 2015 16:20

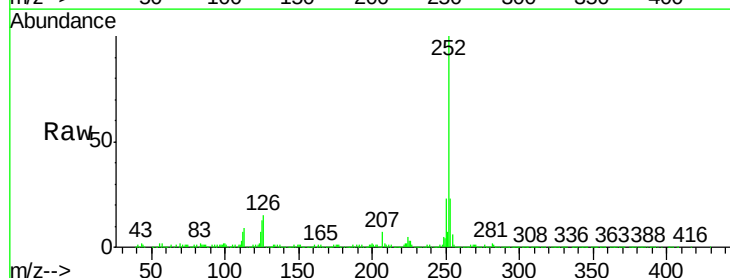
Tgt Ion:252 Resp: 1017371

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

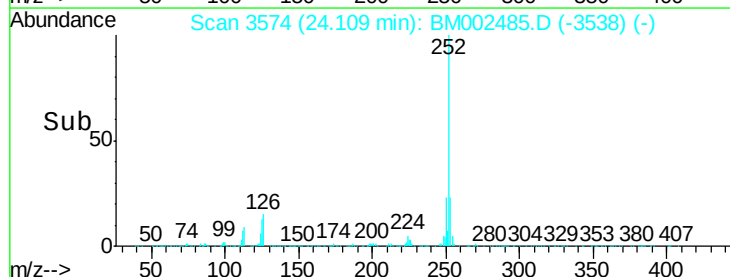
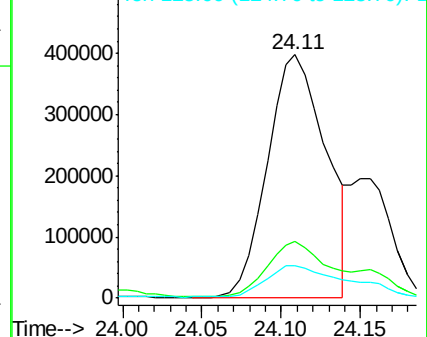
125 13.4 10.0 15.0

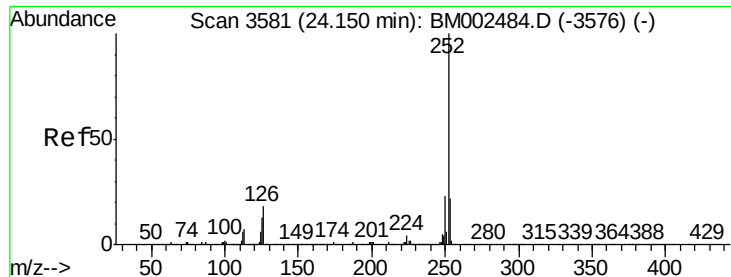


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 16.70 ng/ul m

RT: 24.16 min Scan# 3582

Delta R.T. 0.01 min

Lab File: BM002485.D

Acq: 18 Aug 2015 16:20

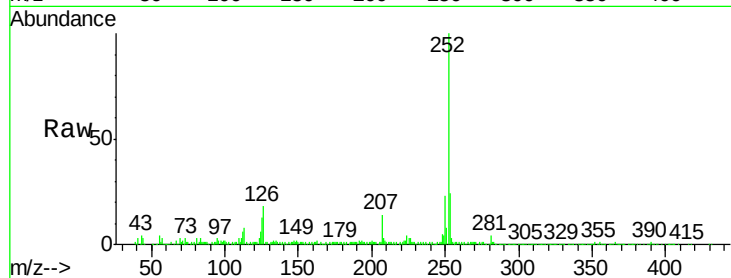
Instrument :

BNA_M

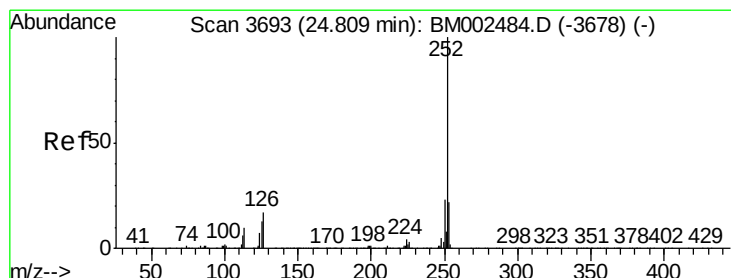
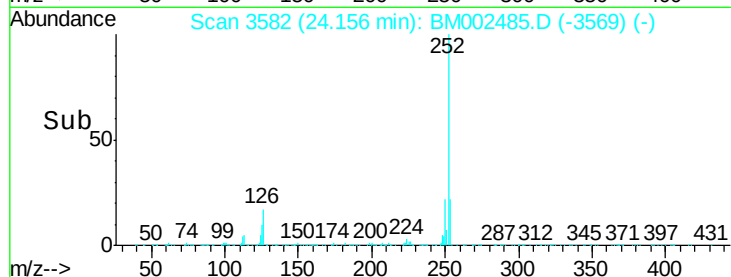
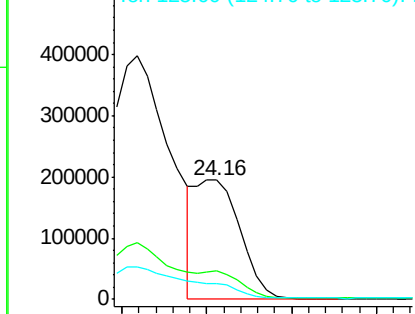
ClientSampleId :

D9DD9DL

Tgt Ion:	252	Resp:	362587
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.8	26.6
125	12.8	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: 26.41 ng/ul

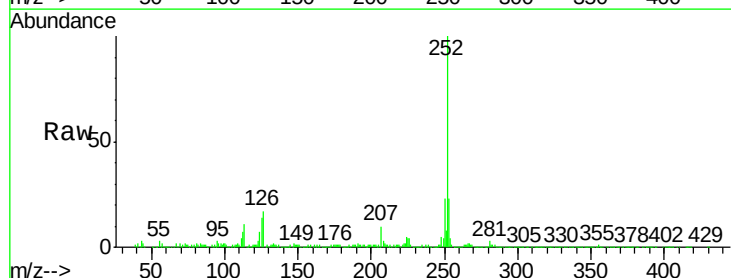
RT: 24.82 min Scan# 3695

Delta R.T. 0.01 min

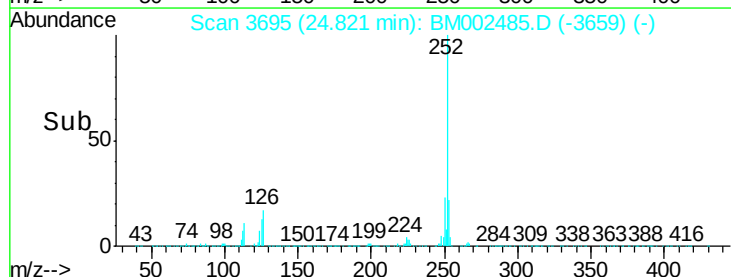
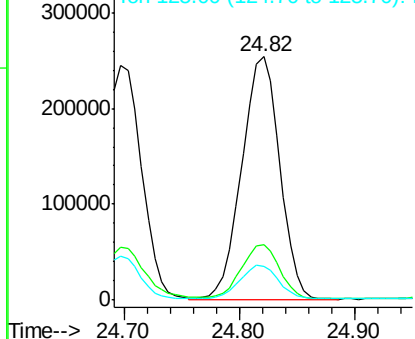
Lab File: BM002485.D

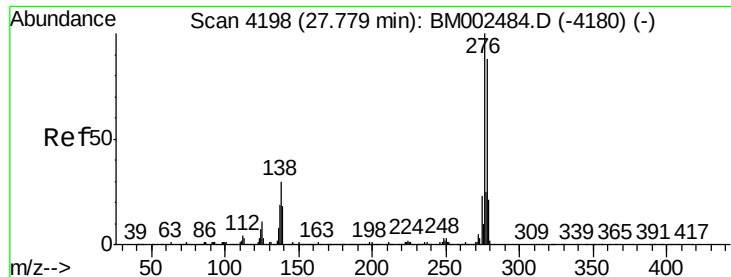
Acq: 18 Aug 2015 16:20

Tgt Ion:	252	Resp:	578103
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.6	26.4
125	13.8	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

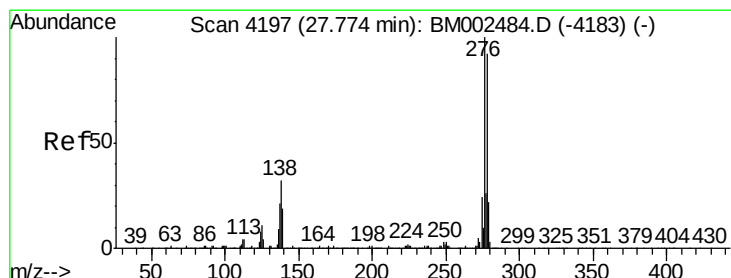
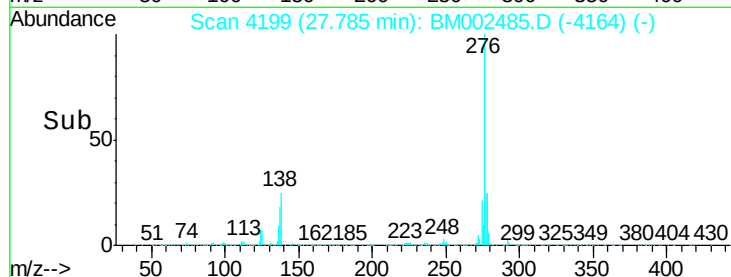
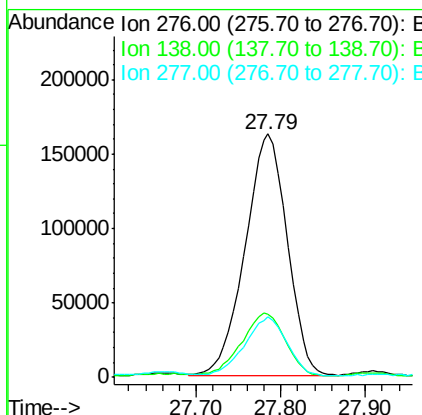
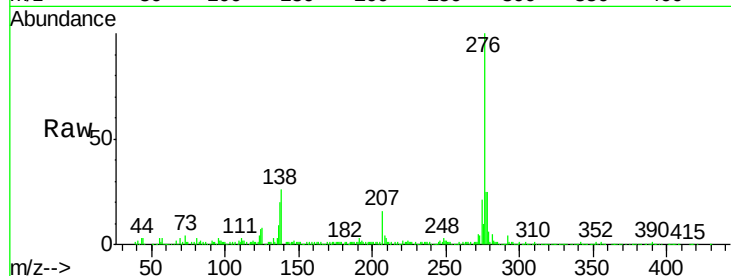




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 22.21 ng/ul
 RT: 27.79 min Scan# 4199
 Delta R.T. 0.01 min
 Lab File: BM002485.D
 Acq: 18 Aug 2015 16:20

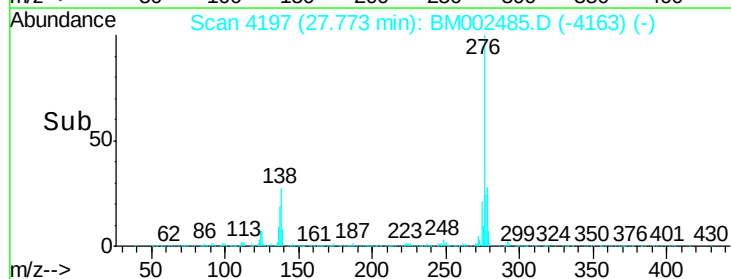
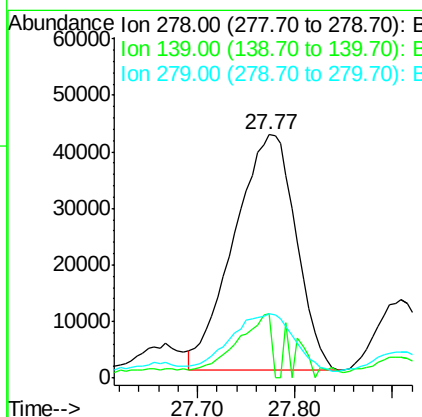
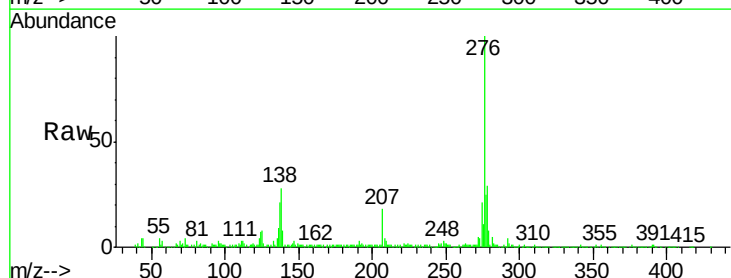
Instrument :
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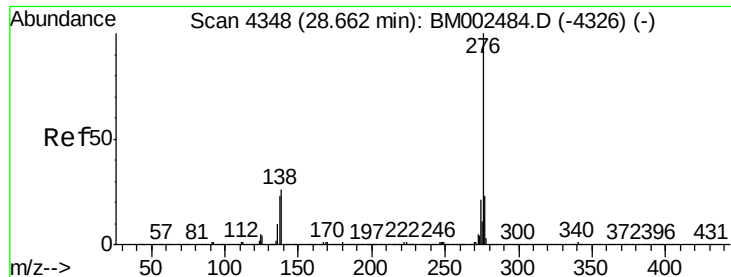
Tgt Ion: 276 Resp: 558901
 Ion Ratio Lower Upper
 276 100
 138 25.7 25.3 37.9
 277 25.0 20.2 30.2



#28
 Dibenzo(a,h)anthracene
 Concen: 8.75 ng/ul
 RT: 27.77 min Scan# 4197
 Delta R.T. -0.00 min
 Lab File: BM002485.D
 Acq: 18 Aug 2015 16:20

Tgt Ion: 278 Resp: 184160
 Ion Ratio Lower Upper
 278 100
 139 26.4 16.5 24.7#
 279 26.5 18.8 28.2





#29

Benzo(g,h,i)perylene

Concen: 24.14 ng/ul

RT: 28.68 min Scan# 4351

Delta R.T. 0.02 min

Lab File: BM002485.D

Acq: 18 Aug 2015 16:20

Instrument :

BNA_M

ClientSampleId :

D9DD9DL

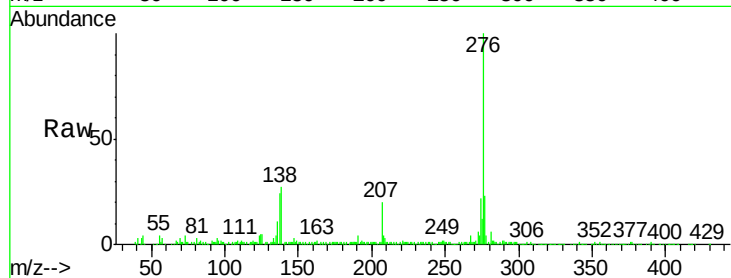
Tgt Ion: 276 Resp: 505763

Ion Ratio Lower Upper

276 100

138 26.9 21.0 31.6

277 23.3 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

