

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081815\
 Data File : BM002481.D
 Acq On : 18 Aug 2015 11:22
 Operator : UM/IZ
 Sample : G3227-23DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DE2DL

Quant Time: Aug 18 17:52:33 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 18 03:02:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	105323	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	498315	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	263716	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.17	188	532262	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	379649	20.00	ng/ul	0.00
22) Perylene-d12	24.93	264	356493	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.16	160	69115	2.56	ng/ul	0.00
10) Fluorene-d10	16.43	176	47309	2.50	ng/ul	0.00
14) Anthracene-d10	18.26	188	65981	2.57	ng/ul	0.00
18) Pyrene-d10	20.48	212	54286	3.23	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.76	264	39334	2.10	ng/ul	0.00

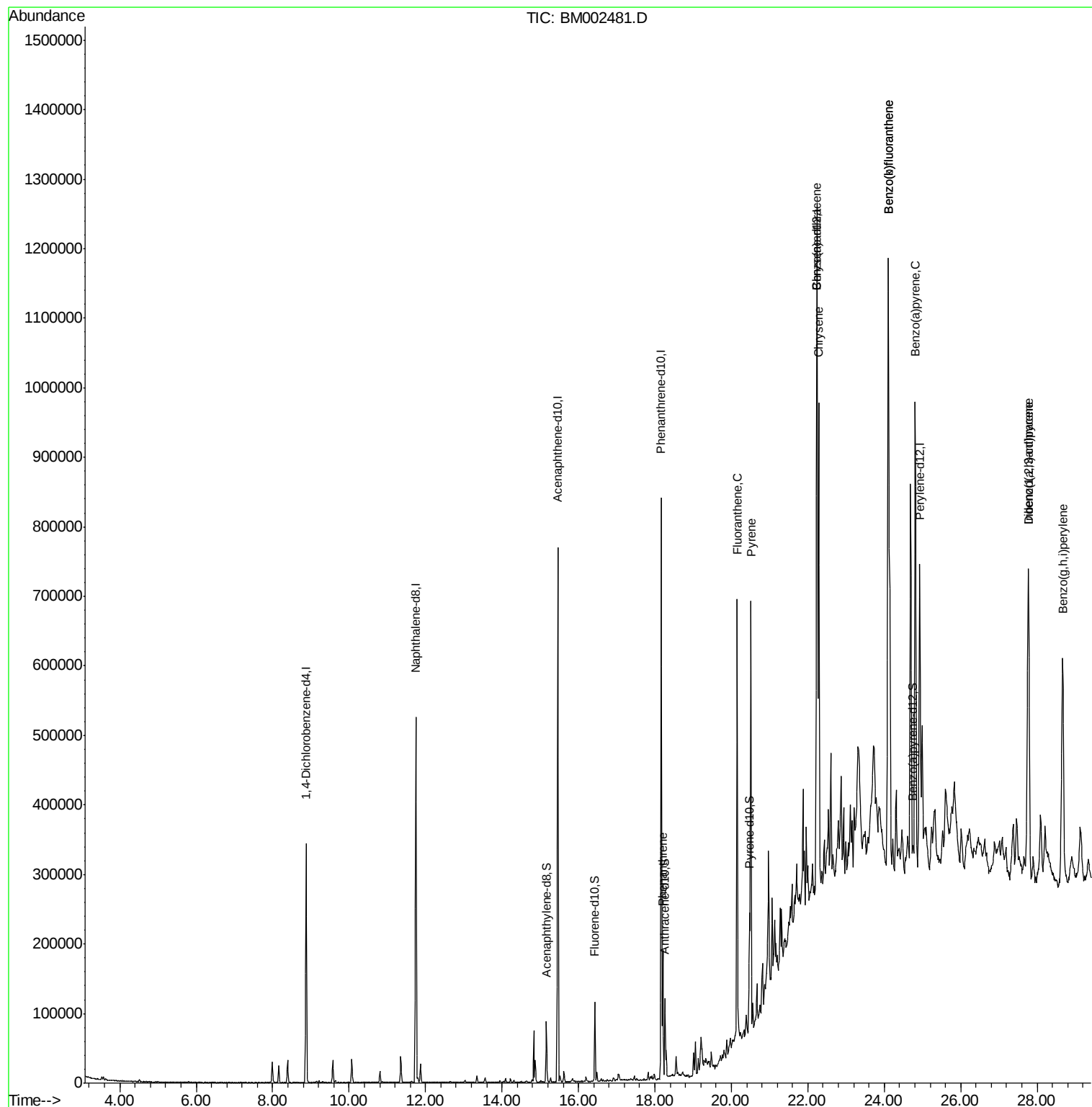
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Phenanthrene	18.21	178	117267	3.82	ng/ul	100
16) Fluoranthene	20.16	202	376765	10.83	ng/ul	100
19) Pyrene	20.51	202	351285	15.79	ng/ul	100
20) Benzo(a)anthracene	22.23	228	380905	16.78	ng/ul	99
21) Chrysene	22.29	228	447279	21.06	ng/ul	98
23) Benzo(b)fluoranthene	24.10	252	900436	41.78	ng/ul	98
24) Benzo(k)fluoranthene	24.10	252	238193	11.66	ng/ul	98
26) Benzo(a)pyrene	24.81	252	599047	29.10	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.77	276	481843	20.35	ng/ul	95
28) Dibenzo(a,h)anthracene	27.77	278	156886	7.93	ng/ul#	91
29) Benzo(g,h,i)perylene	28.67	276	429396	21.79	ng/ul	98

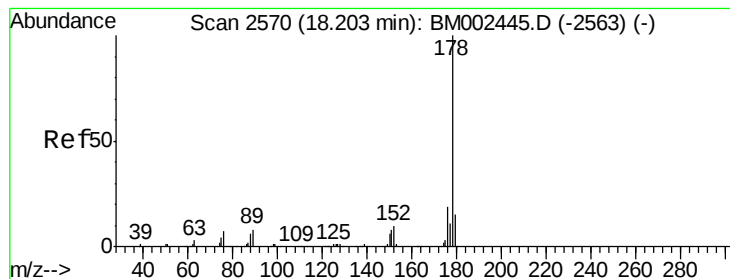
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 3.82 ng/ul

RT: 18.21 min Scan# 2571

Delta R.T. -0.01 min

Lab File: BM002481.D

Acq: 18 Aug 2015 11:22

Instrument :

BNA_M

ClientSampleId :

D9DE2DL

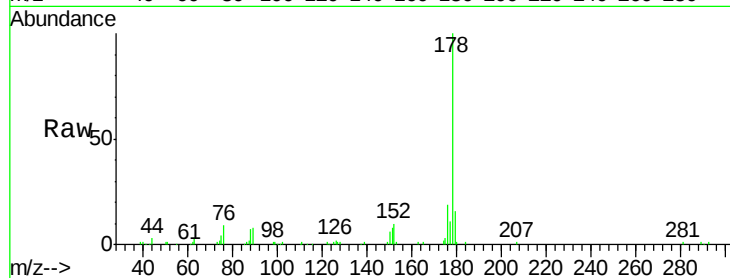
Tgt Ion:178 Resp: 117267

Ion Ratio Lower Upper

178 100

179 15.6 12.4 18.6

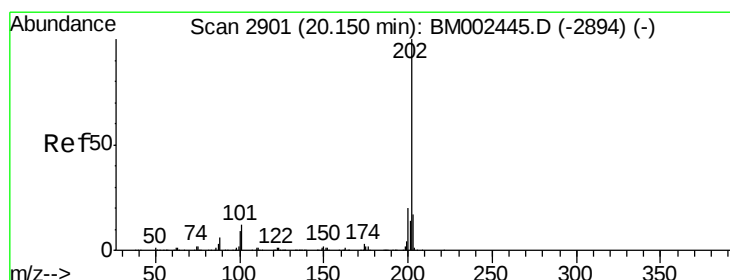
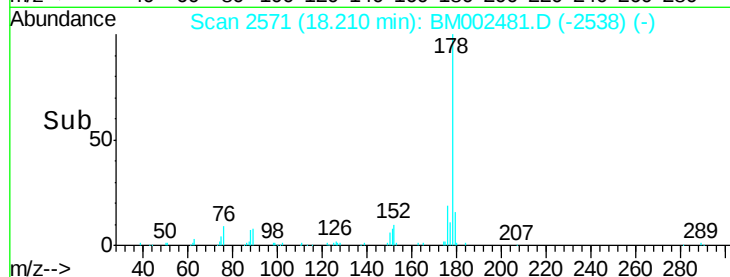
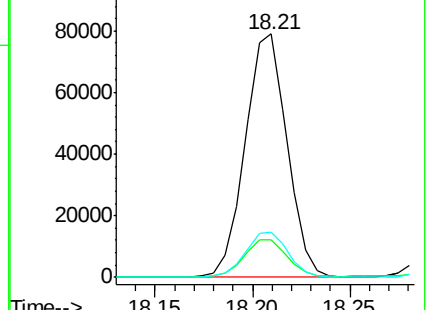
176 18.8 15.1 22.7



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



#16

Fluoranthene

Concen: 10.83 ng/ul

RT: 20.16 min Scan# 2902

Delta R.T. 0.00 min

Lab File: BM002481.D

Acq: 18 Aug 2015 11:22

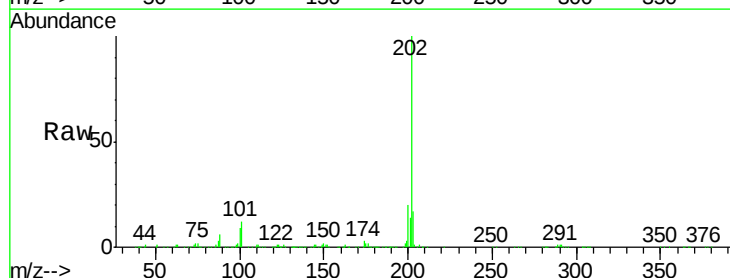
Tgt Ion:202 Resp: 376765

Ion Ratio Lower Upper

202 100

101 12.2 9.7 14.5

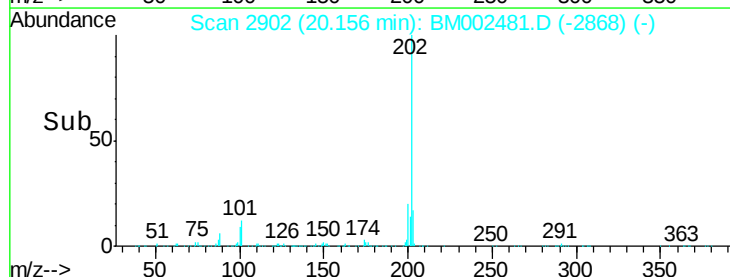
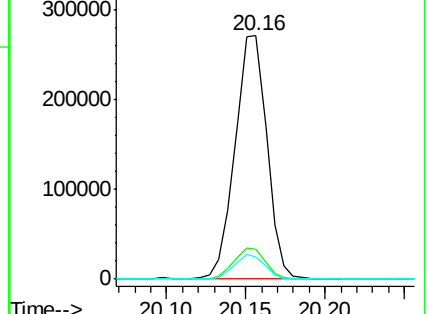
100 9.2 7.4 11.2

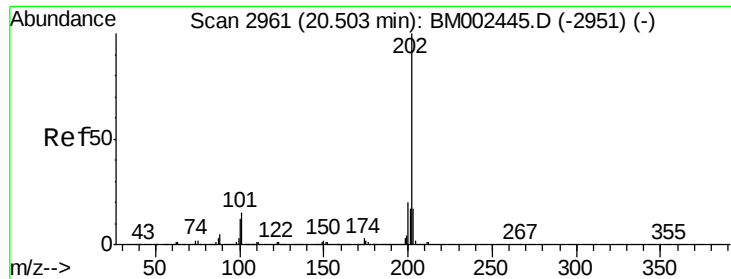


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pyrene

Concen: 15.79 ng/ul

RT: 20.51 min Scan# 2962

Delta R.T. -0.01 min

Lab File: BM002481.D

Acq: 18 Aug 2015 11:22

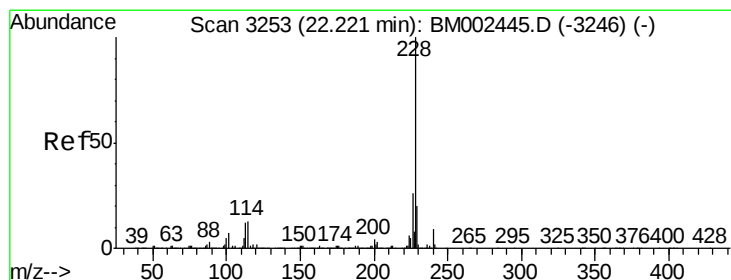
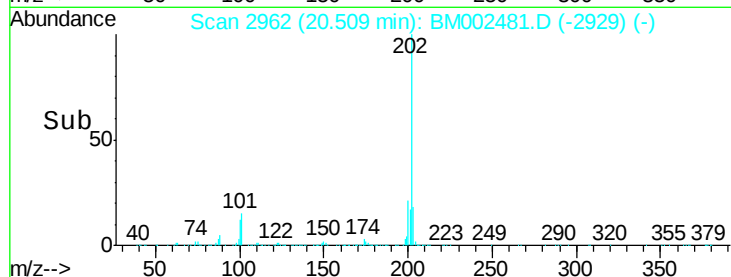
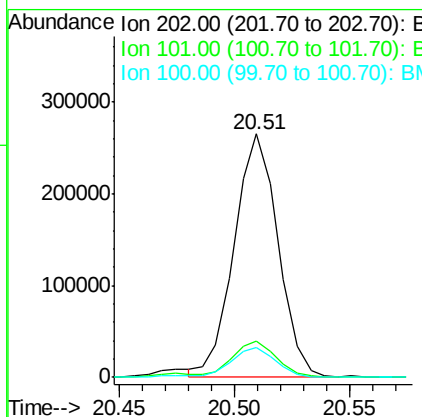
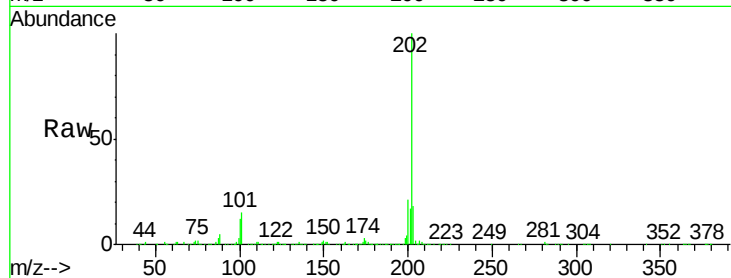
Instrument :

BNA_M

ClientSampleId :

D9DE2DL

Tgt Ion:	202	Resp:	351285
Ion	Ratio	Lower	Upper
202	100		
101	14.9	12.0	18.0
100	12.3	9.7	14.5



#20

Benzo(a)anthracene

Concen: 16.78 ng/ul

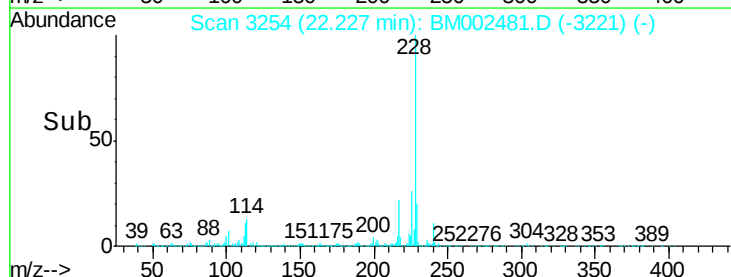
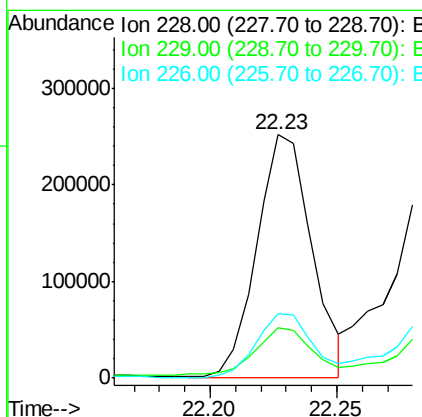
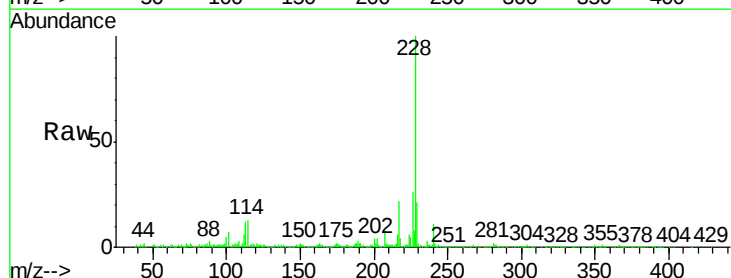
RT: 22.23 min Scan# 3254

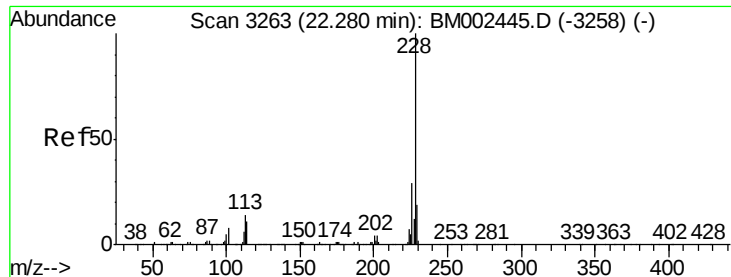
Delta R.T. -0.01 min

Lab File: BM002481.D

Acq: 18 Aug 2015 11:22

Tgt Ion:	228	Resp:	380905
Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.8	23.6
226	26.3	21.1	31.7





#21

Chrysene

Concen: 21.06 ng/ul

RT: 22.29 min Scan# 3264

Delta R.T. -0.01 min

Lab File: BM002481.D

Acq: 18 Aug 2015 11:22

Instrument :

BNA_M

ClientSampleId :

D9DE2DL

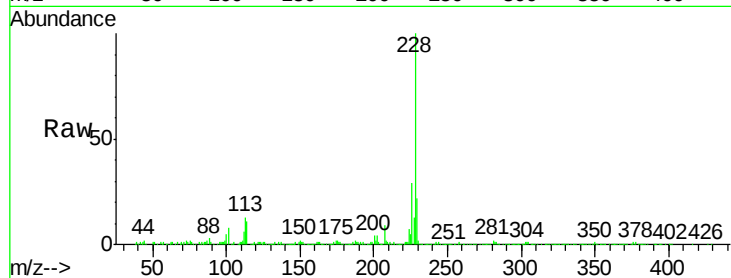
Tgt Ion:228 Resp: 447279

Ion Ratio Lower Upper

228 100

226 29.1 23.4 35.2

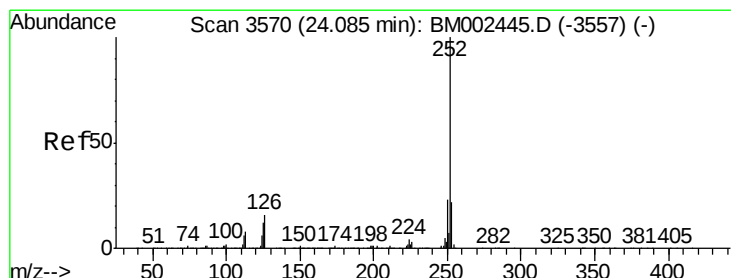
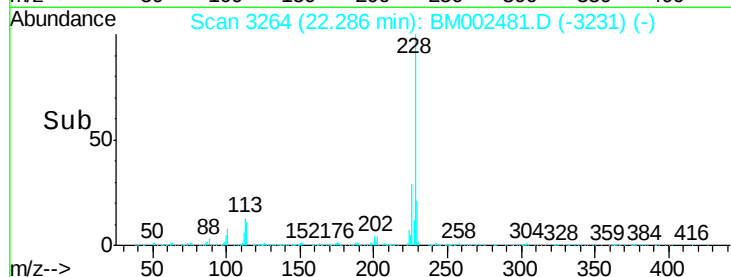
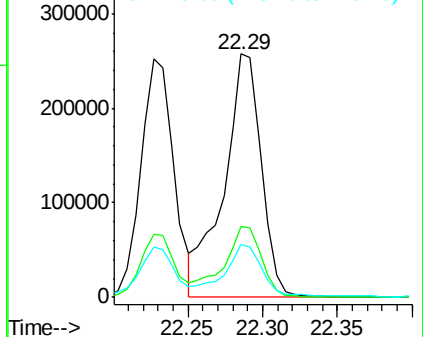
229 21.6 15.7 23.5



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: 41.78 ng/ul

RT: 24.10 min Scan# 3573

Delta R.T. 0.00 min

Lab File: BM002481.D

Acq: 18 Aug 2015 11:22

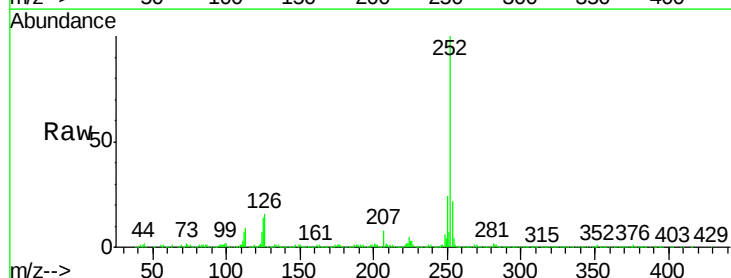
Tgt Ion:252 Resp: 900436

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

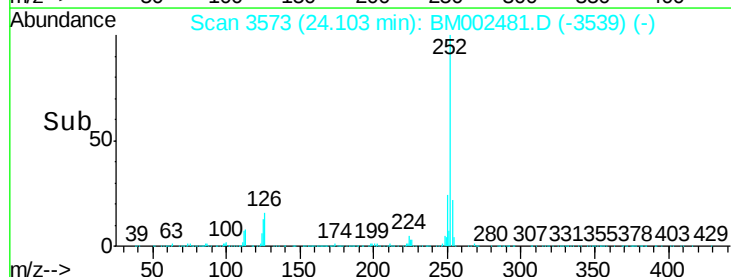
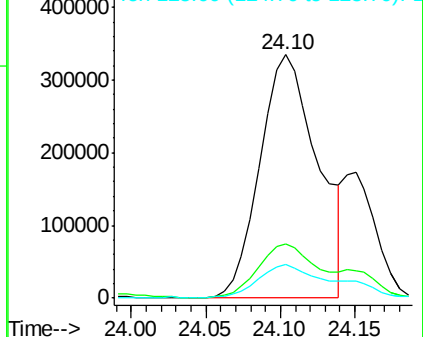
125 13.6 10.0 15.0

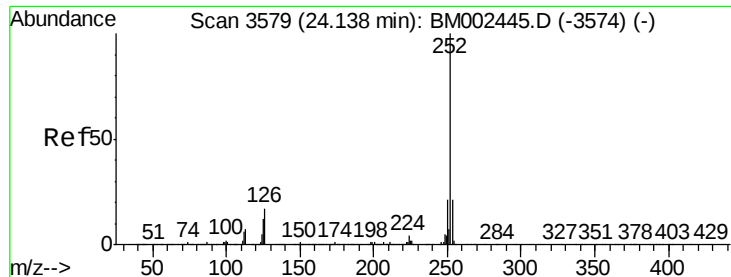


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 11.66 ng/ul

RT: 24.10 min Scan# 3573

Delta R.T. -0.05 min

Lab File: BM002481.D

Acq: 18 Aug 2015 11:22

Instrument :

BNA_M

ClientSampleId :

D9DE2DL

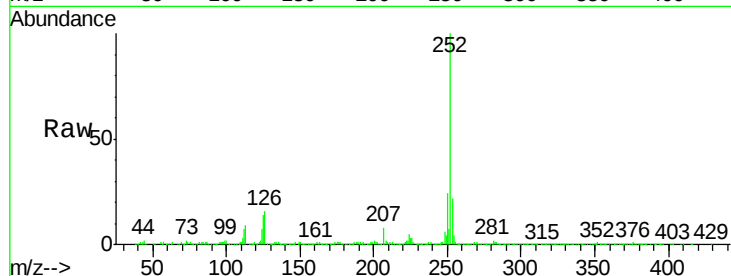
Tgt Ion:252 Resp: 238193

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

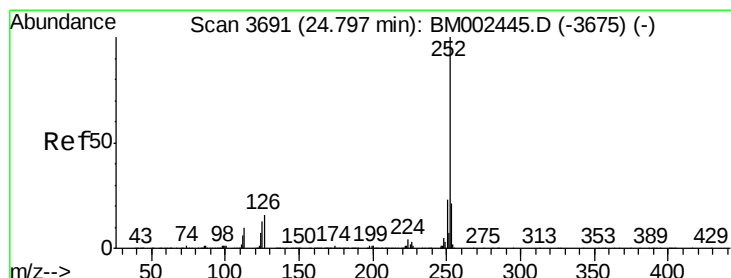
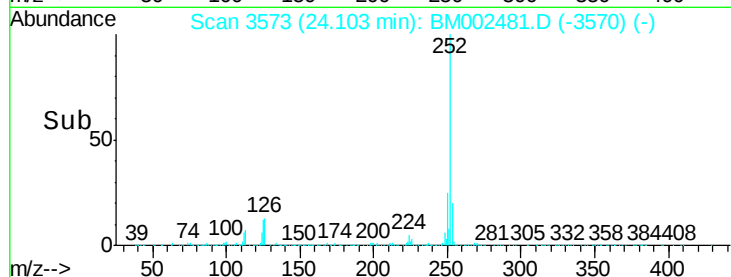
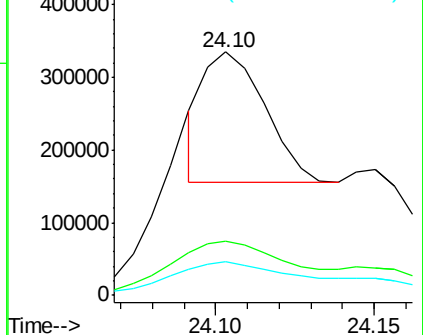
125 13.6 9.8 14.8



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: 29.10 ng/ul

RT: 24.81 min Scan# 3693

Delta R.T. -0.01 min

Lab File: BM002481.D

Acq: 18 Aug 2015 11:22

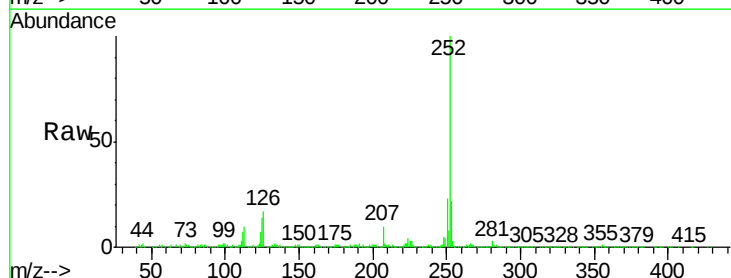
Tgt Ion:252 Resp: 599047

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

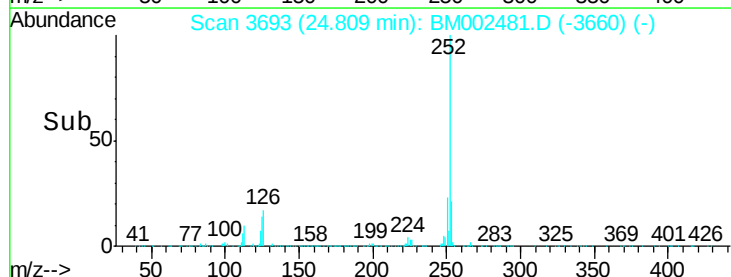
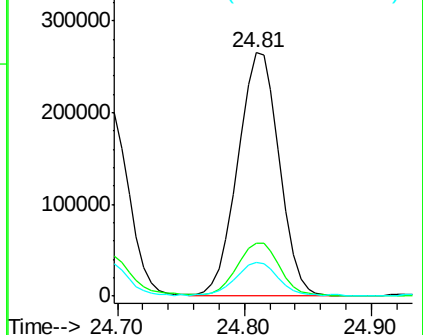
125 14.0 10.7 16.1

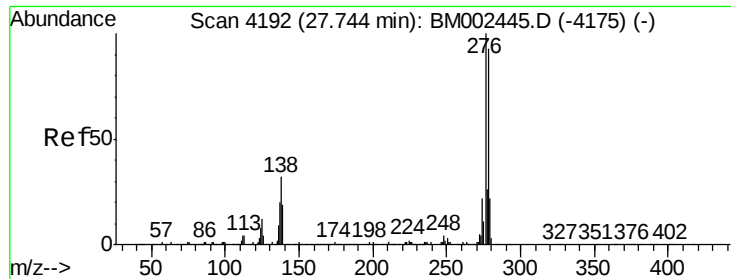


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

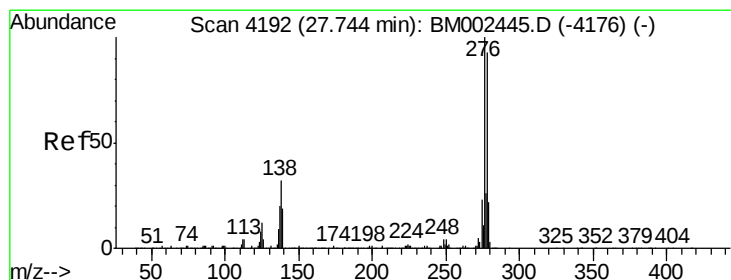
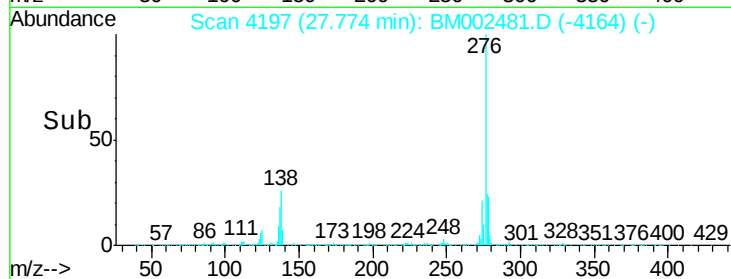
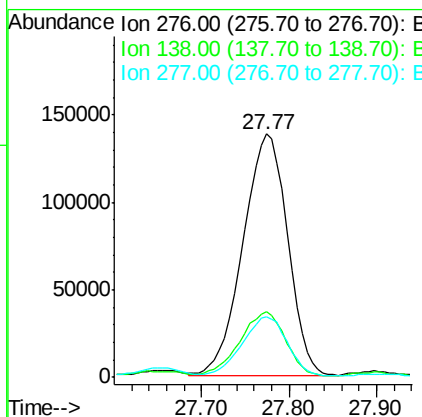
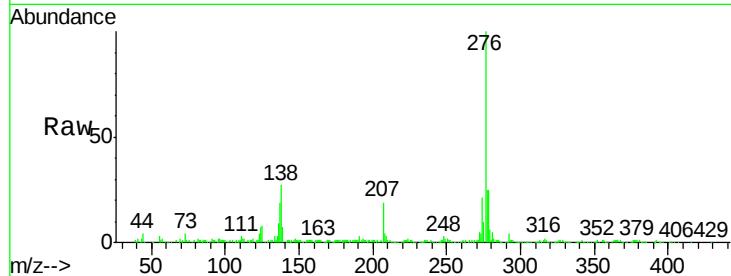




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 20.35 ng/ul
 RT: 27.77 min Scan# 4197
 Delta R.T. -0.01 min
 Lab File: BM002481.D
 Acq: 18 Aug 2015 11:22

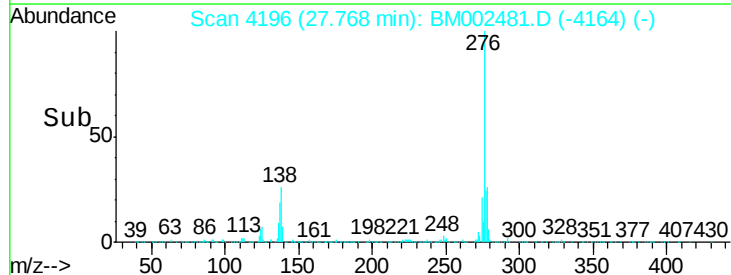
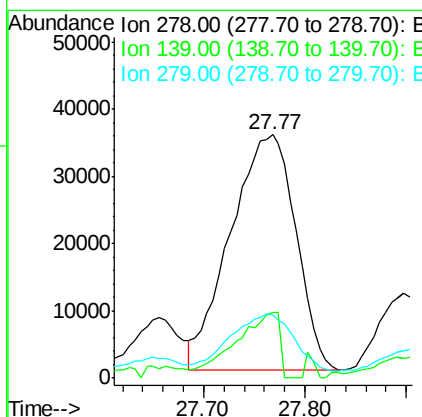
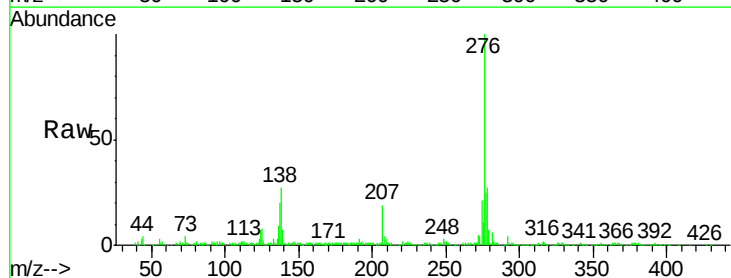
Instrument :
 BNA_M
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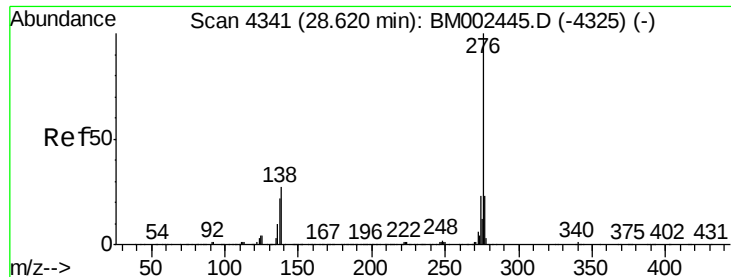
Tgt Ion: 276 Resp: 481843
 Ion Ratio Lower Upper
 276 100
 138 27.0 25.3 37.9
 277 24.8 20.2 30.2



#28
 Dibenzo(a,h)anthracene
 Concen: 7.93 ng/ul
 RT: 27.77 min Scan# 4196
 Delta R.T. -0.01 min
 Lab File: BM002481.D
 Acq: 18 Aug 2015 11:22

Tgt Ion: 278 Resp: 156886
 Ion Ratio Lower Upper
 278 100
 139 26.9 16.5 24.7#
 279 25.7 18.8 28.2





#29

Benzo(g,h,i)perylene

Concen: 21.79 ng/ul

RT: 28.67 min Scan# 4349

Delta R.T. 0.00 min

Lab File: BM002481.D

Acq: 18 Aug 2015 11:22

Instrument :

BNA_M

ClientSampleId :

D9DE2DL

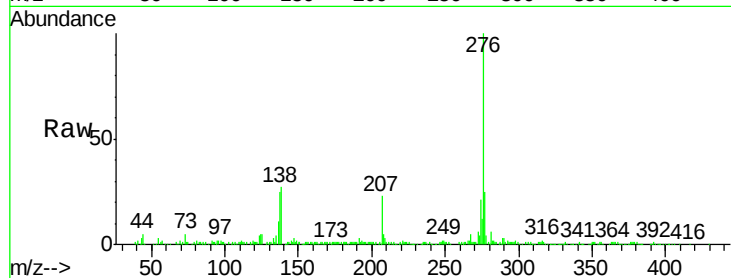
Tgt Ion: 276 Resp: 429396

Ion Ratio Lower Upper

276 100

138 27.0 21.0 31.6

277 25.0 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

