

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080715\
 Data File : BM002272.D
 Acq On : 08 Aug 2015 12:10
 Operator : TP/UM
 Sample : G3161-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C49

Quant Time: Aug 09 05:33:28 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Aug 09 05:31:20 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	284311	20.00	ng/ul	0.00
2) Naphthalene-d8	11.80	136	1357462	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.50	164	698223	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.21	188	1376387	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	1200670	20.00	ng/ul	0.00
22) Perylene-d12	24.99	264	981377	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.20	160	1552769	21.47	ng/ul	0.00
10) Fluorene-d10	16.47	176	1005646	19.99	ng/ul	0.00
14) Anthracene-d10	18.30	188	1410406	21.12	ng/ul	0.00
18) Pyrene-d10	20.52	212	1366068	23.46	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.82	264	1035544	19.87	ng/ul	0.00

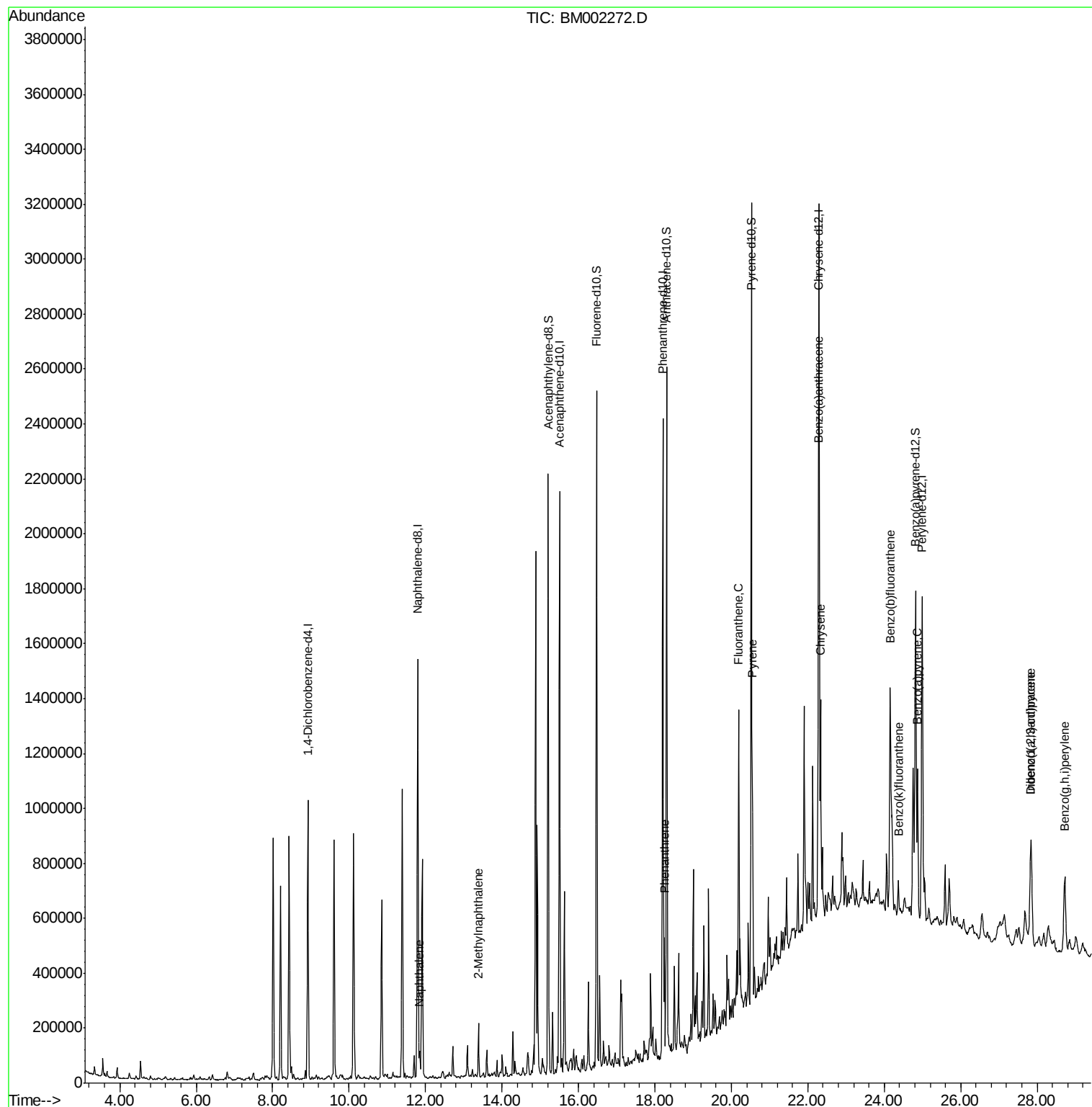
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	11.85	128	81148	1.14	ng/ul	99
4) 2-Methylnaphthalene	13.39	142	94079	1.84	ng/ul	98
13) Phenanthrene	18.25	178	255209	3.22	ng/ul	99
16) Fluoranthene	20.19	202	643267	7.33	ng/ul	99
19) Pyrene	20.55	202	565176	7.28	ng/ul	99
20) Benzo(a)anthracene	22.27	228	382908	5.22	ng/ul	98
21) Chrysene	22.33	228	493285	7.10	ng/ul	98
23) Benzo(b)fluoranthene	24.16	252	838102	13.74	ng/ul	98
24) Benzo(k)fluoranthene	24.37	252	78086	1.33	ng/ul#	82
26) Benzo(a)pyrene	24.87	252	439957	7.54	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	27.84	276	405798	6.07	ng/ul	94
28) Dibenzo(a,h)anthracene	27.84	278	112635	1.99	ng/ul#	76
29) Benzo(g,h,i)perylene	28.72	276	379336	6.72	ng/ul	97

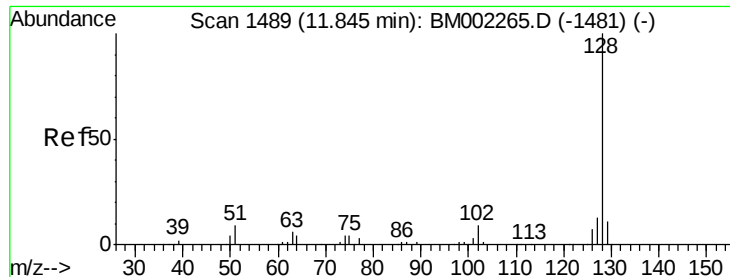
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.14 ng/ul

RT: 11.85 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BM002272.D

Acq: 08 Aug 2015 12:10

Instrument :

BNA_M

ClientSampleId :

D9C49

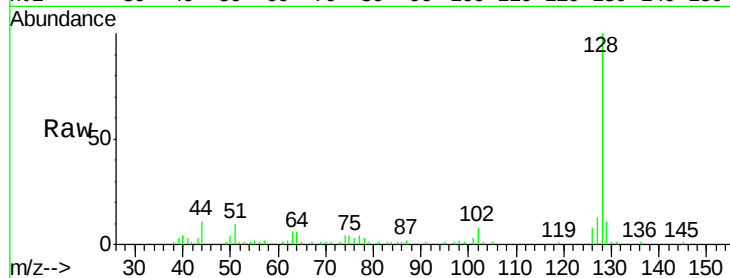
Tgt Ion:128 Resp: 81148

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

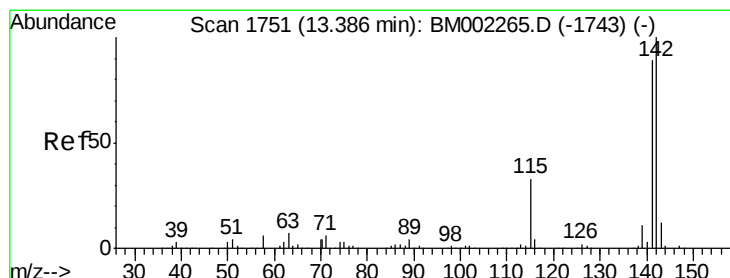
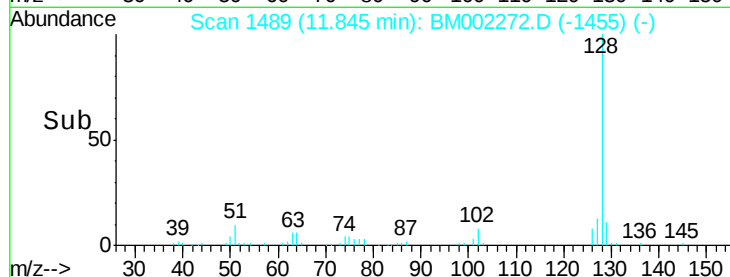
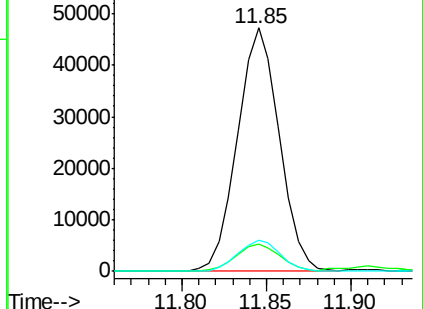
127 12.9 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#4

2-Methylnaphthalene

Concen: 1.84 ng/ul

RT: 13.39 min Scan# 1751

Delta R.T. 0.00 min

Lab File: BM002272.D

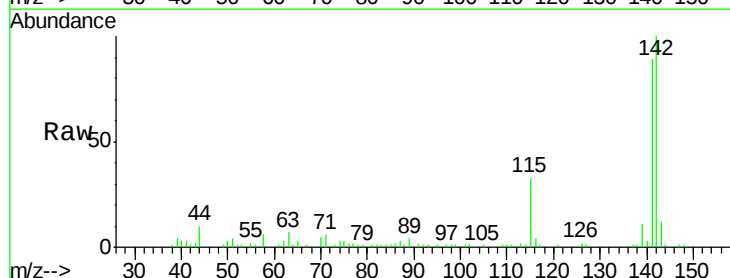
Acq: 08 Aug 2015 12:10

Tgt Ion:142 Resp: 94079

Ion Ratio Lower Upper

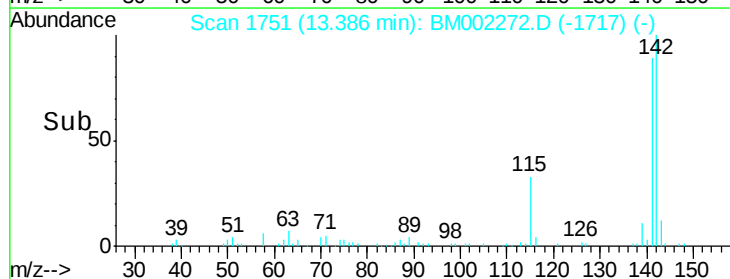
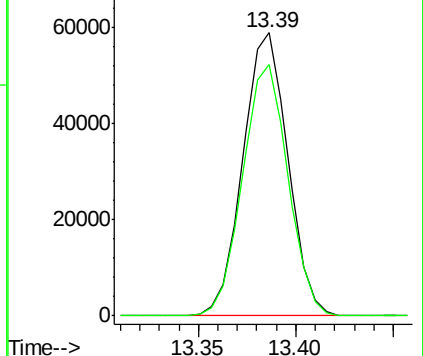
142 100

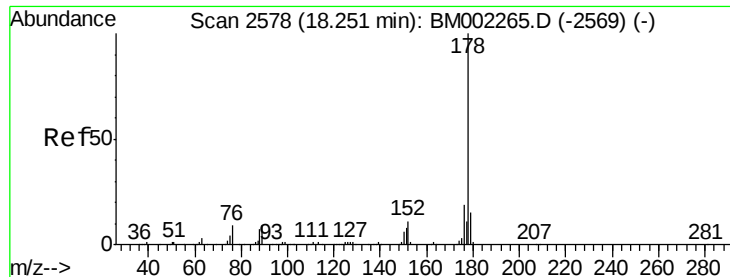
141 88.8 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

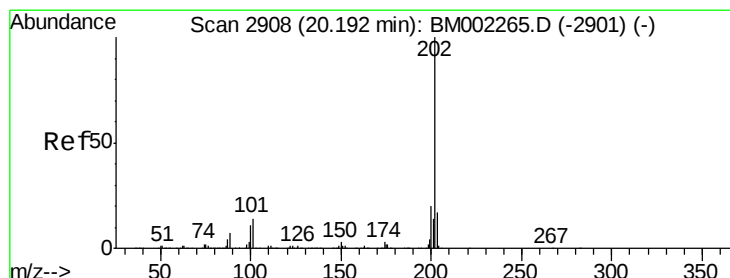
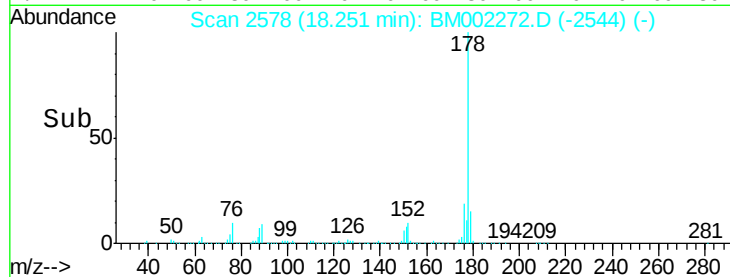
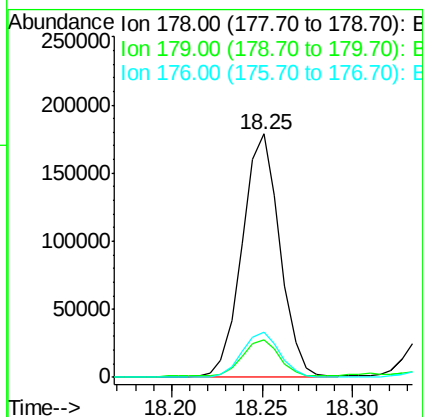
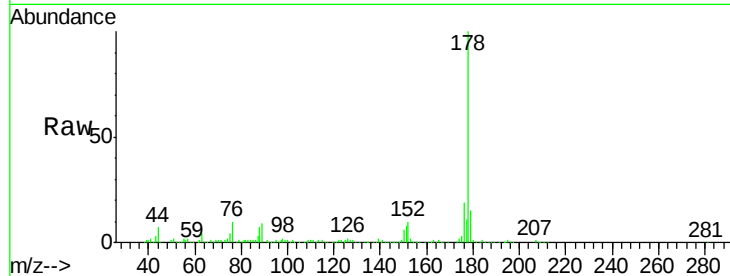




#13
Phenanthrene
Concen: 3.22 ng/ul
RT: 18.25 min Scan# 2578
Delta R.T. 0.00 min
Lab File: BM002272.D
Acq: 08 Aug 2015 12:10

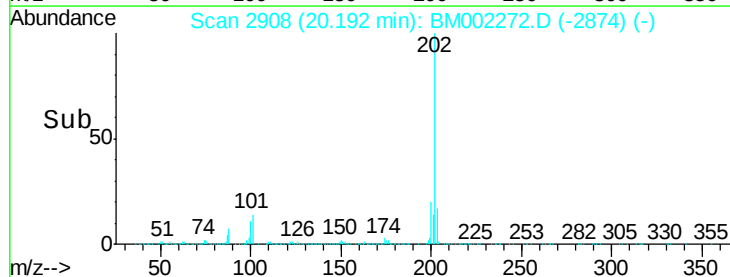
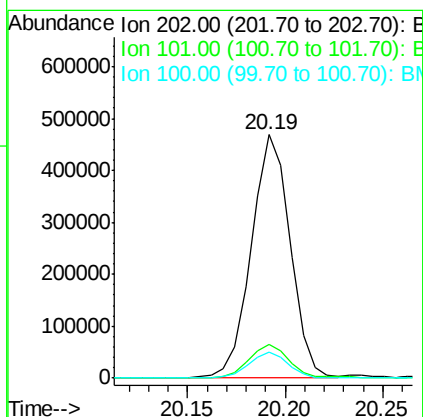
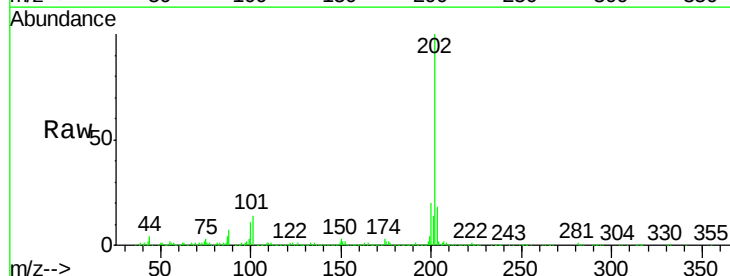
Instrument :
BNA_M
ClientSampleId :
D9C49

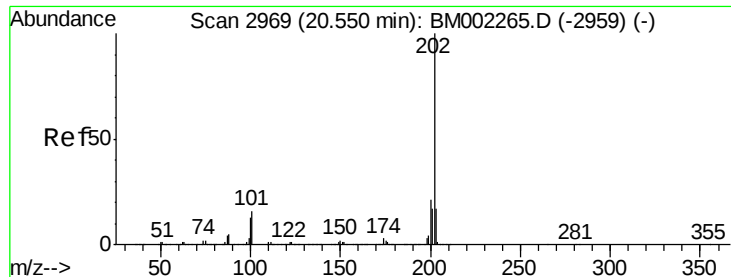
Tgt Ion:178 Resp: 255209
Ion Ratio Lower Upper
178 100
179 15.2 12.3 18.5
176 18.6 15.3 22.9



#16
Fluoranthene
Concen: 7.33 ng/ul
RT: 20.19 min Scan# 2908
Delta R.T. 0.00 min
Lab File: BM002272.D
Acq: 08 Aug 2015 12:10

Tgt Ion:202 Resp: 643267
Ion Ratio Lower Upper
202 100
101 13.8 10.6 15.8
100 10.7 8.2 12.4





#19

Pyrene

Concen: 7.28 ng/ul

RT: 20.55 min Scan# 2969

Delta R.T. 0.00 min

Lab File: BM002272.D

Acq: 08 Aug 2015 12:10

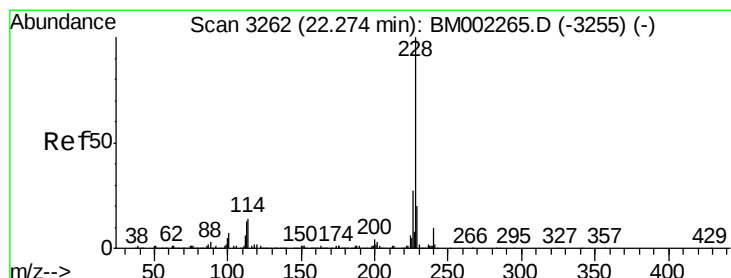
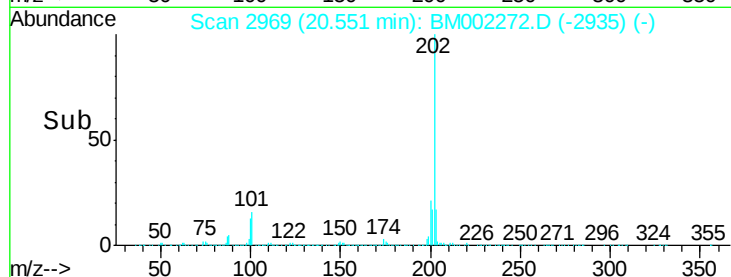
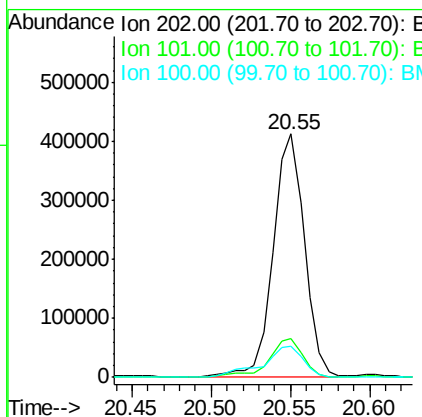
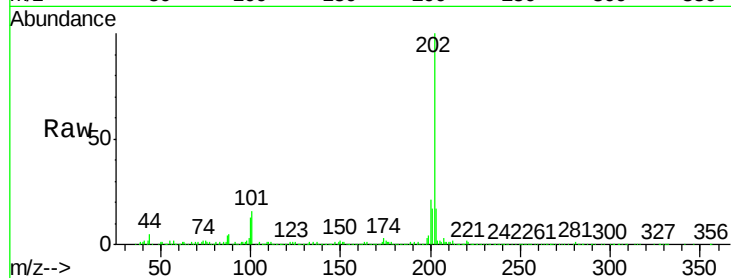
Instrument :

BNA_M

ClientSampled :

D9C49

Tgt Ion:	202	Resp:	565176
Ion	Ratio	Lower	Upper
202	100		
101	16.0	13.0	19.6
100	12.9	11.0	16.4



#20

Benzo(a)anthracene

Concen: 5.22 ng/ul

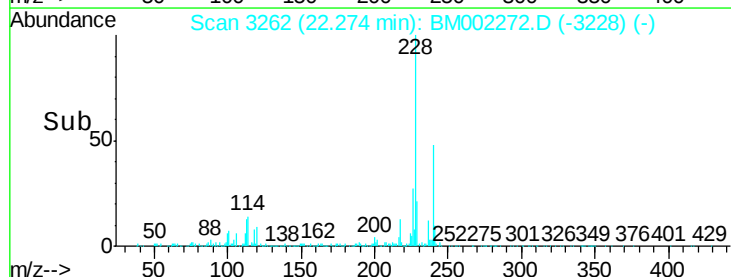
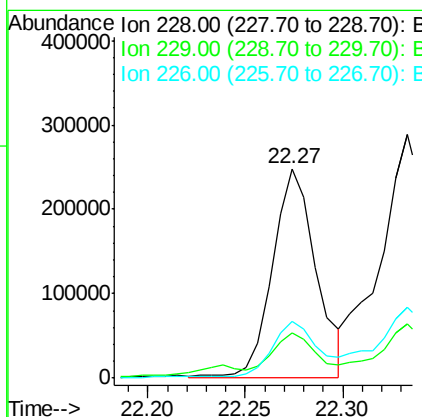
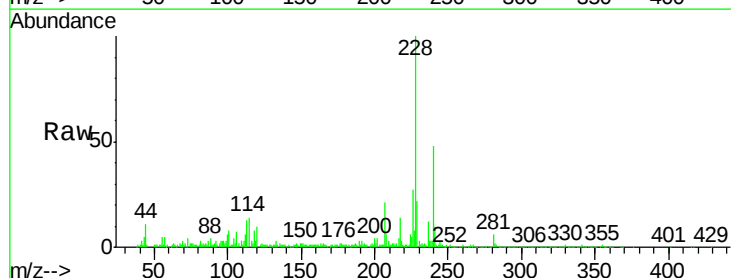
RT: 22.27 min Scan# 3262

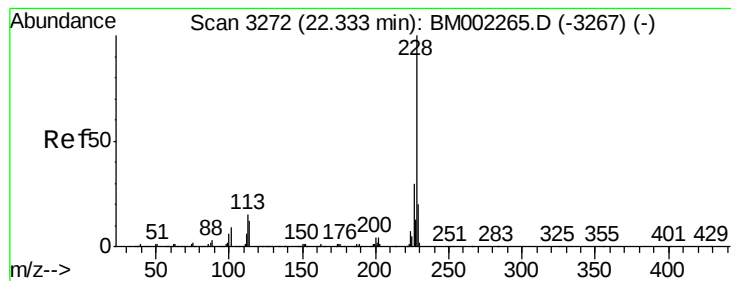
Delta R.T. 0.00 min

Lab File: BM002272.D

Acq: 08 Aug 2015 12:10

Tgt Ion:	228	Resp:	382908
Ion	Ratio	Lower	Upper
228	100		
229	21.8	15.7	23.5
226	26.9	21.4	32.0





#21

Chrysene

Concen: 7.10 ng/ul

RT: 22.33 min Scan# 3272

Delta R.T. 0.00 min

Lab File: BM002272.D

Acq: 08 Aug 2015 12:10

Instrument :

BNA_M

ClientSampleId :

D9C49

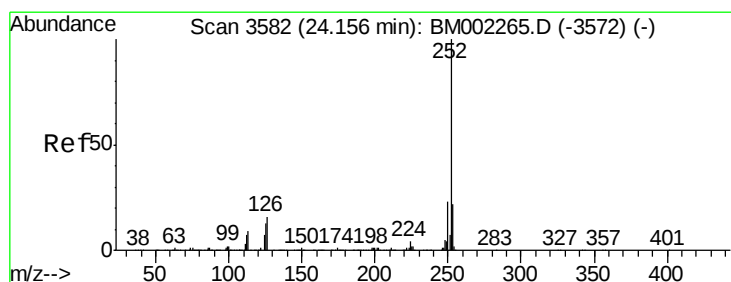
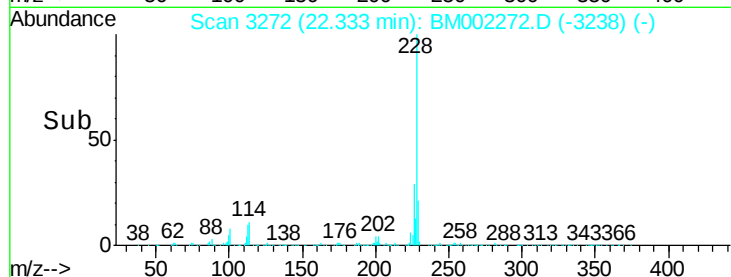
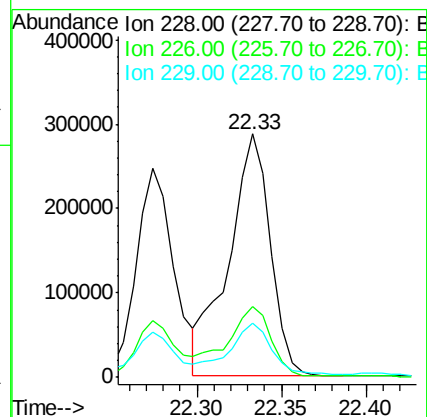
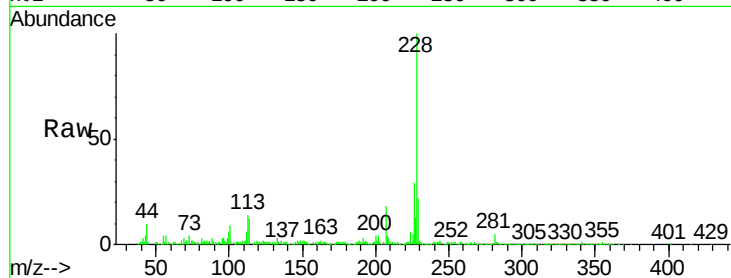
Tgt Ion:228 Resp: 493285

Ion Ratio Lower Upper

228 100

226 29.2 23.4 35.0

229 22.1 15.5 23.3



#23

Benzo(b)fluoranthene

Concen: 13.74 ng/ul

RT: 24.16 min Scan# 3582

Delta R.T. 0.00 min

Lab File: BM002272.D

Acq: 08 Aug 2015 12:10

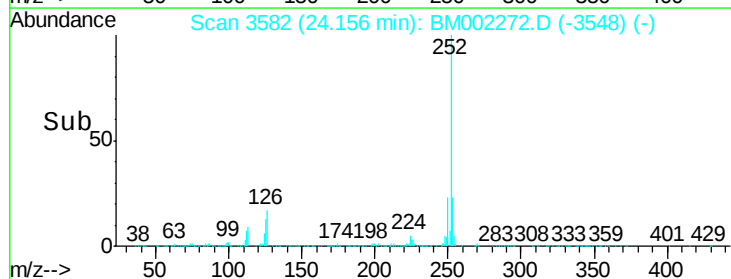
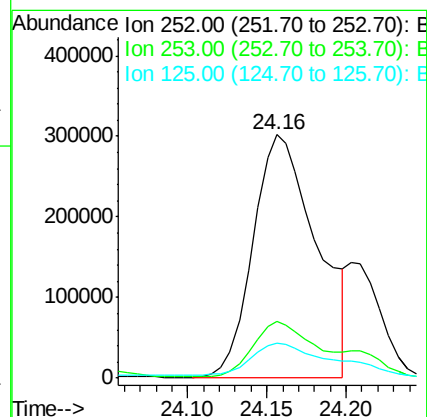
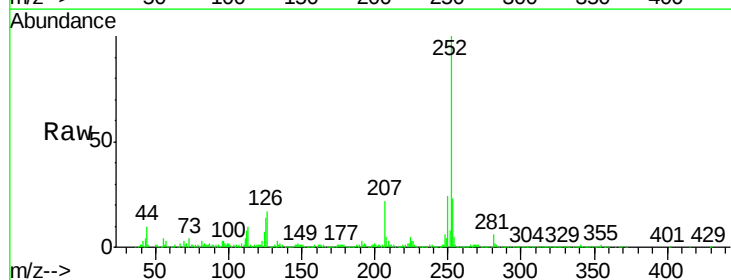
Tgt Ion:252 Resp: 838102

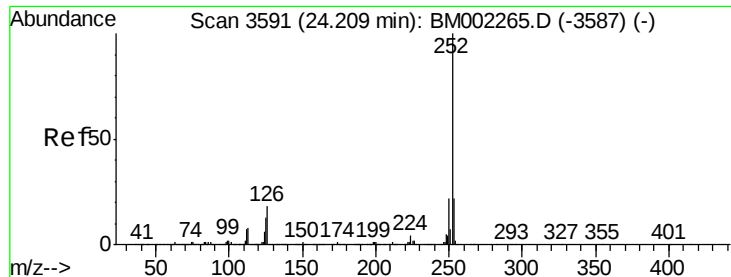
Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

125 14.3 10.3 15.5





#24

Benzo(k)fluoranthene

Concen: 1.33 ng/ul

RT: 24.37 min Scan# 3618

Delta R.T. 0.16 min

Lab File: BM002272.D

Acq: 08 Aug 2015 12:10

Instrument :

BNA_M

ClientSampleId :

D9C49

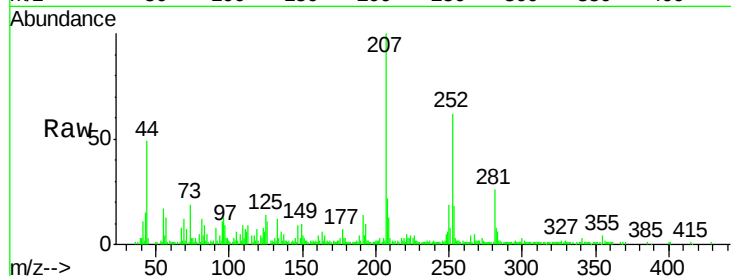
Tgt Ion:252 Resp: 78086

Ion Ratio Lower Upper

252 100

253 28.2 17.3 25.9#

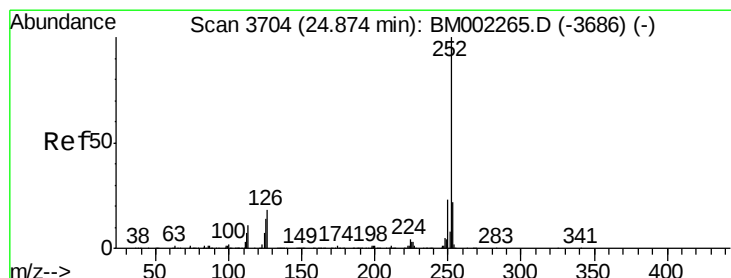
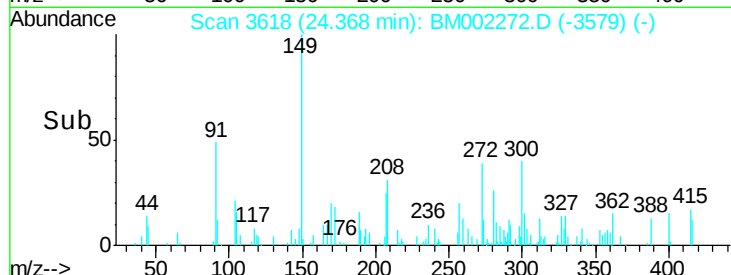
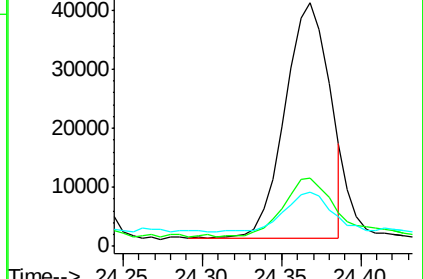
125 22.2 10.2 15.4#



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: 7.54 ng/ul

RT: 24.87 min Scan# 3704

Delta R.T. 0.00 min

Lab File: BM002272.D

Acq: 08 Aug 2015 12:10

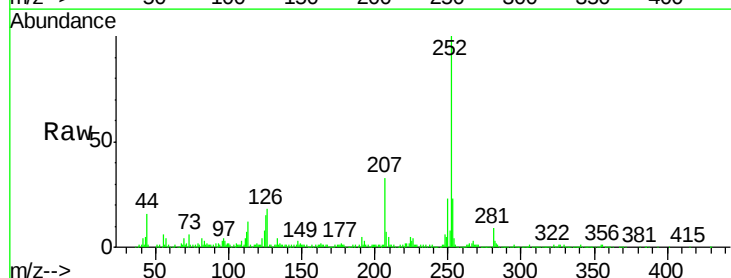
Tgt Ion:252 Resp: 439957

Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

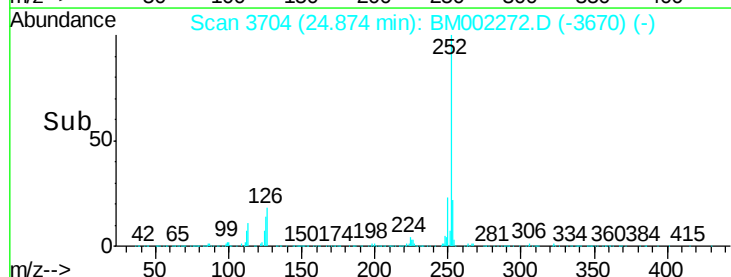
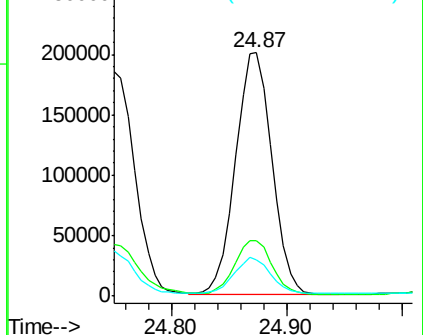
125 14.9 11.0 16.6

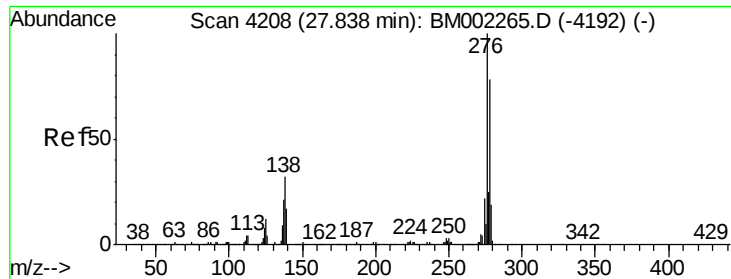


Abundance Ion 252.00 (251.70 to 252.70): E

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: 6.07 ng/ul

RT: 27.84 min Scan# 4208

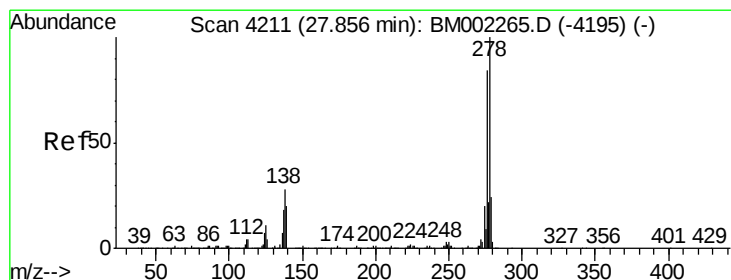
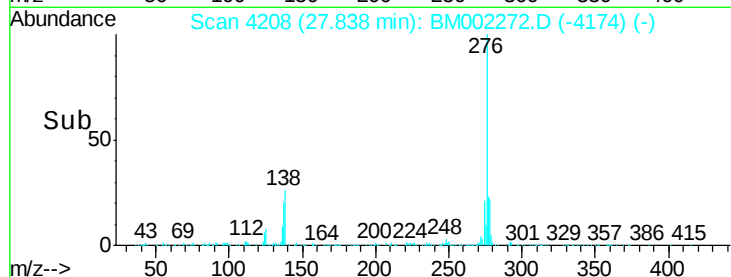
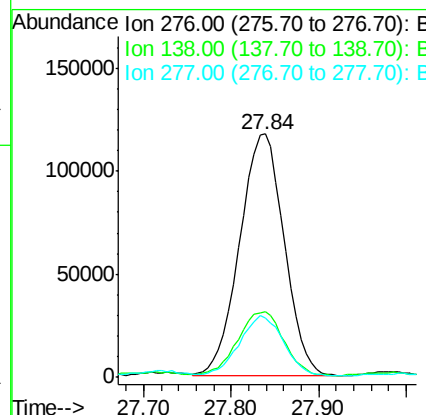
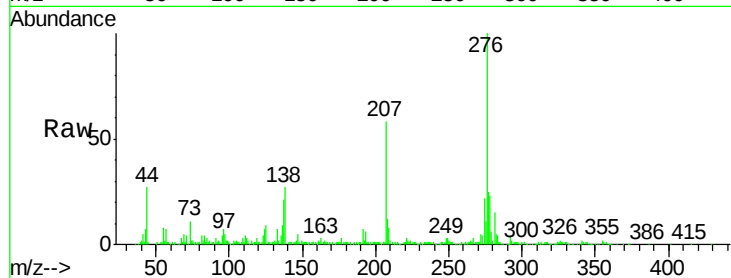
Delta R.T. 0.00 min

Lab File: BM002272.D

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Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.0	25.6	38.4
277	24.5	21.0	31.4



#28

Dibenzo(a,h)anthracene

Concen: 1.99 ng/ul

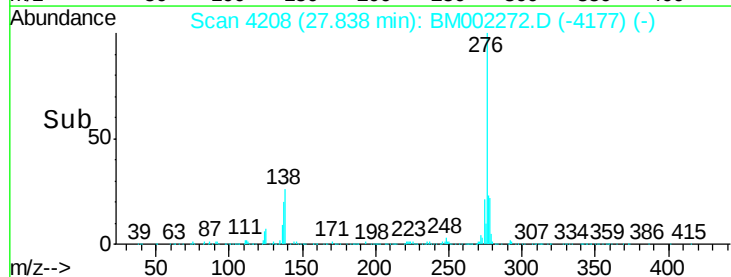
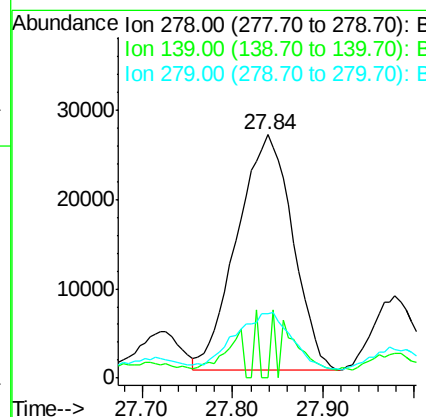
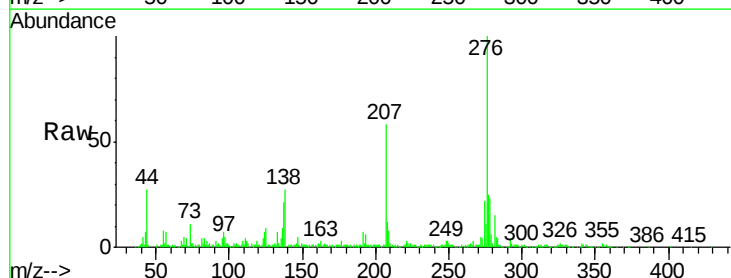
RT: 27.84 min Scan# 4208

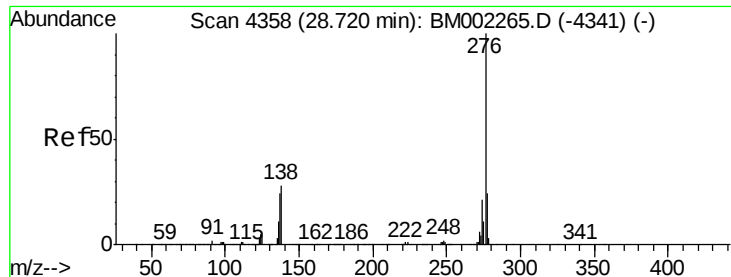
Delta R.T. -0.02 min

Lab File: BM002272.D

Acq: 08 Aug 2015 12:10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.4	24.6#
279	26.5	18.8	28.2





#29

Benzo(g,h,i)perylene

Concen: 6.72 ng/ul

RT: 28.72 min Scan# 4358

Delta R.T. 0.00 min

Lab File: BM002272.D

Acq: 08 Aug 2015 12:10

Instrument :

BNA_M

ClientSampleId :

D9C49

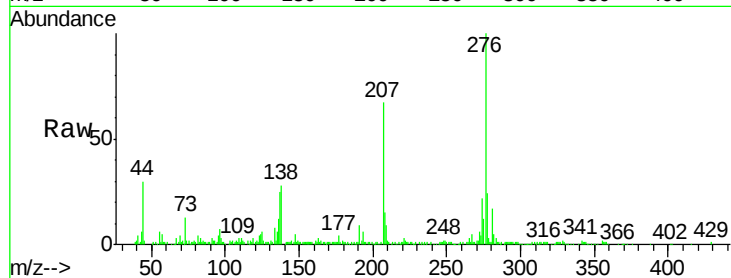
Tgt Ion: 276 Resp: 379336

Ion Ratio Lower Upper

276 100

138 28.0 20.5 30.7

277 24.3 19.0 28.6



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

