

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081215\
 Data File : BM002350.D
 Acq On : 12 Aug 2015 07:56
 Operator : UM/IZ
 Sample : G3162-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C85

Manual Integrations
 APPROVED

MMDadoda
 8/12/2015 2:36:11 PM

Quant Time: Aug 12 08:33:10 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 12 04:50:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	225765	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	1057754	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	556699	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.19	188	1053820	20.00	ng/ul	0.00
17) Chrysene-d12	22.28	240	733594	20.00	ng/ul	0.00
22) Perylene-d12	24.97	264	675405	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.19	160	1550240	26.88	ng/ul	0.00
10) Fluorene-d10	16.46	176	995090	24.81	ng/ul	0.00
14) Anthracene-d10	18.29	188	1340227	26.21	ng/ul	0.00
18) Pyrene-d10	20.51	212	1100068	30.92	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.80	264	813162	22.67	ng/ul	0.00
Target Compounds						
13) Phenanthrene	18.23	178	540746	8.92	ng/ul	Ovalue 99
15) Anthracene	18.33	178	123959	1.98	ng/ul	99
16) Fluoranthene	20.18	202	1381828	20.58	ng/ul	99
19) Pyrene	20.54	202	1098383	23.16	ng/ul	97
20) Benzo(a)anthracene	22.26	228	703128	15.70	ng/ul	99
21) Chrysene	22.32	228	635634	14.98	ng/ul	97
23) Benzo(b)fluoranthene	24.14	252	774315	18.45	ng/ul	99
24) Benzo(k)fluoranthene	24.19	252	242411m	6.01	ng/ul	
26) Benzo(a)pyrene	24.86	252	484020	12.05	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.81	276	322166	7.00	ng/ul	95
28) Dibenzo(a,h)anthracene	27.81	278	95250	2.44	ng/ul#	73
29) Benzo(g,h,i)perylene	28.70	276	307767	7.92	ng/ul	99

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

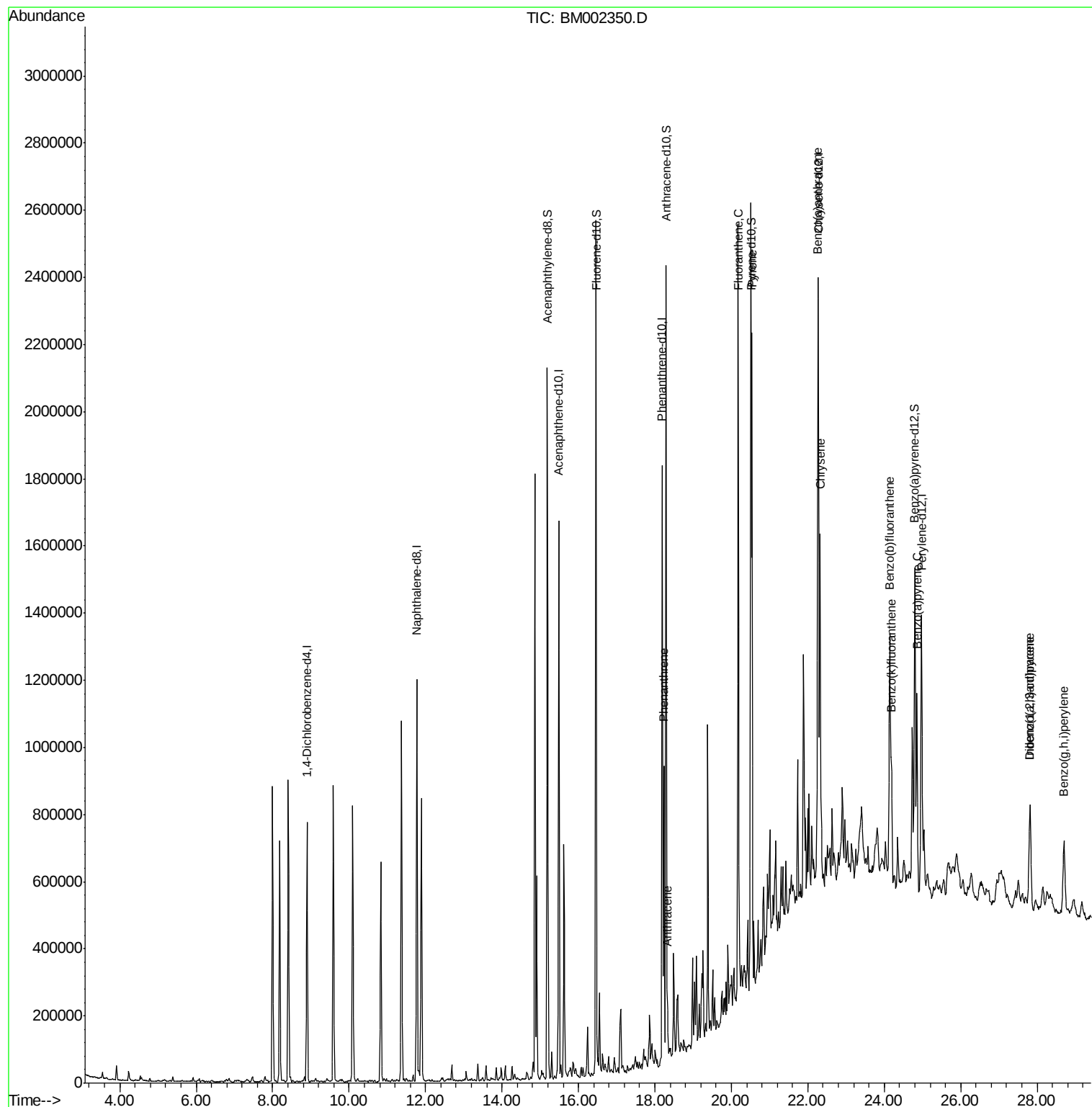
Data Path : Z:\HPCHEM1\BNA M\DATA\BM081215\
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ALS Vial : 26 Sample Multiplier: 1

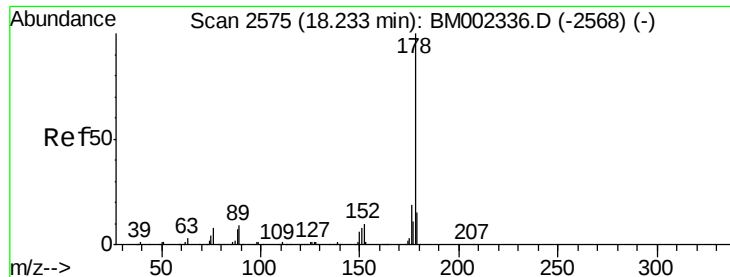
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080715MA.M
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QLast Update : Wed Aug 12 04:50:31 2015
Response via : Initial Calibration





#13

Phenanthrene

Concen: 8.92 ng/ul

RT: 18.23 min Scan# 2575

Delta R.T. -0.00 min

Lab File: BM002350.D

Acq: 12 Aug 2015 07:56

Instrument :

BNA_M

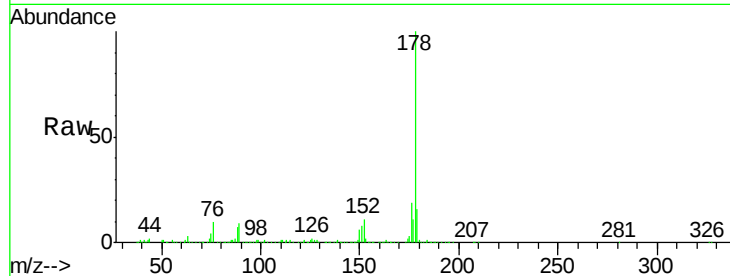
ClientSampleId :

D9C85

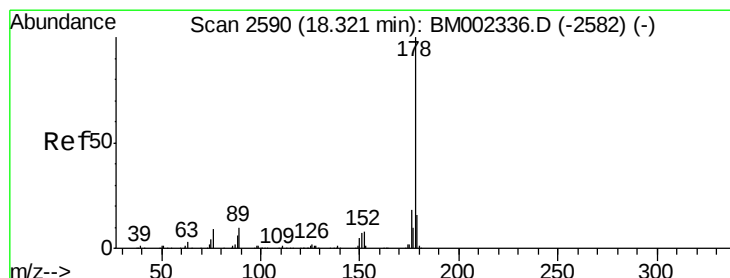
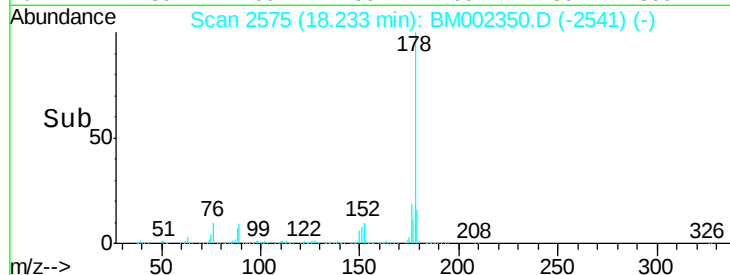
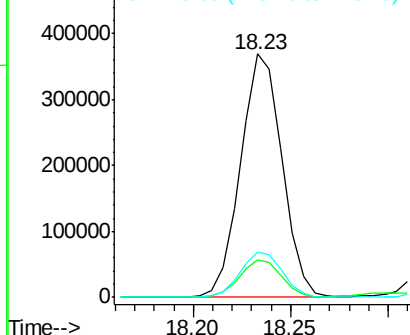
Tot Ion:	178	Resp:	540746
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.3	18.5
176	18.5	15.3	22.9

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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: 1.98 ng/ul

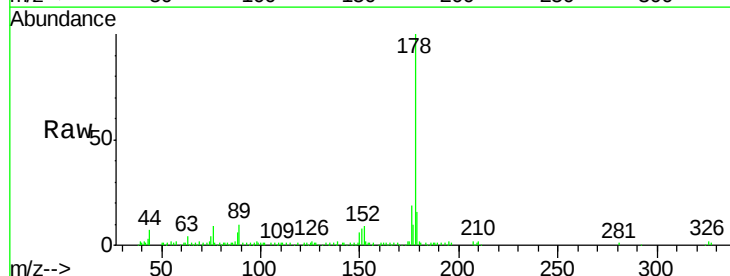
RT: 18.33 min Scan# 2591

Delta R.T. 0.01 min

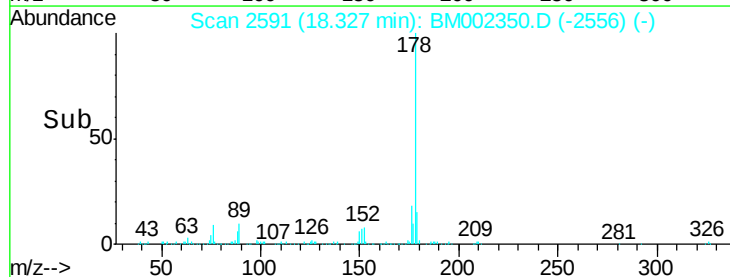
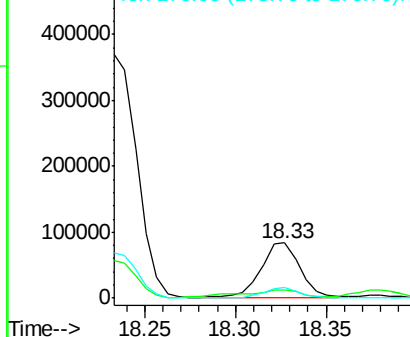
Lab File: BM002350.D

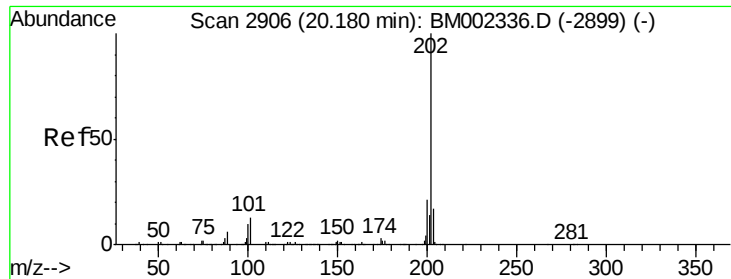
Acq: 12 Aug 2015 07:56

Tgt Ion:	178	Resp:	123959
Ion Ratio	Lower	Upper	
178	100		
179	15.7	12.3	18.5
176	18.8	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





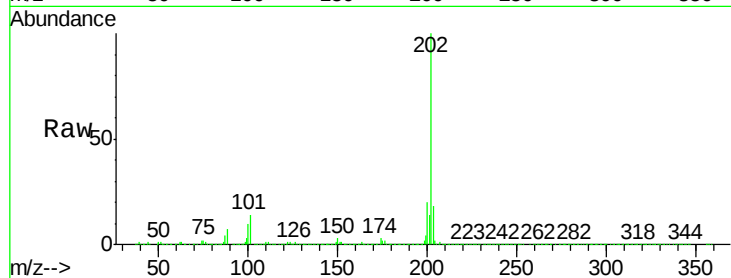
#16
 Fluoranthene
 Concen: 20.58 ng/ul
 RT: 20.18 min Scan# 2906
 Delta R.T. -0.00 min
 Lab File: BM002350.D
 Acq: 12 Aug 2015 07:56

Instrument :
 BNA_M
 ClientSampleId :
 D9C85

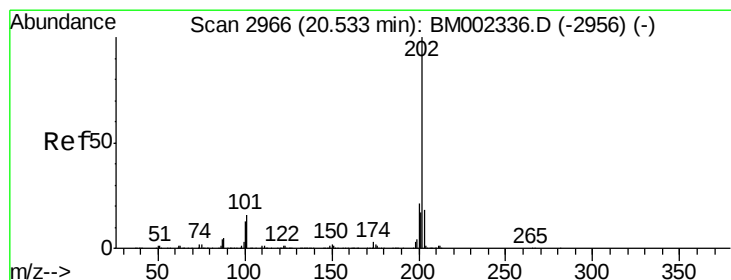
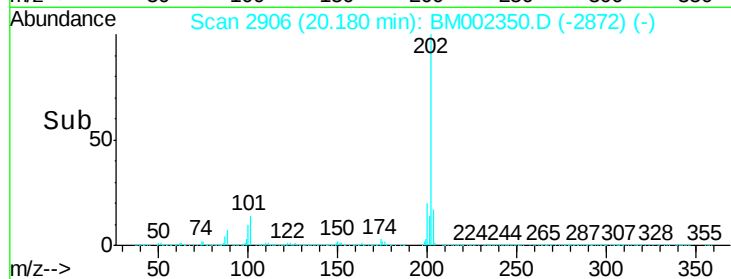
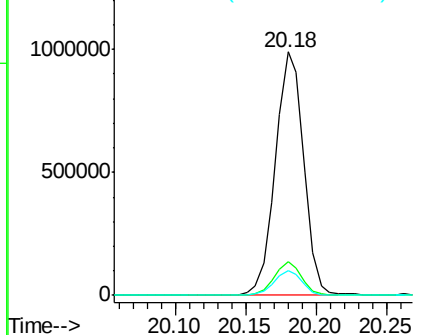
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		1381828		
101	13.8	10.6	15.8		
100	10.3	8.2	12.4		

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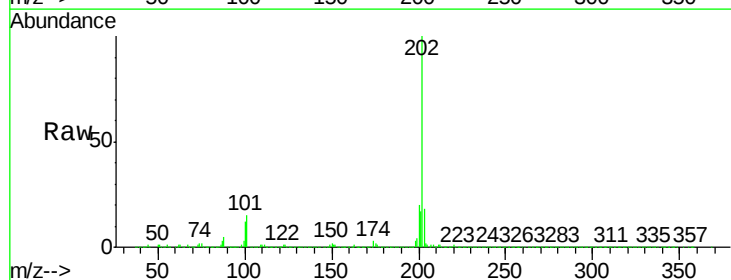


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

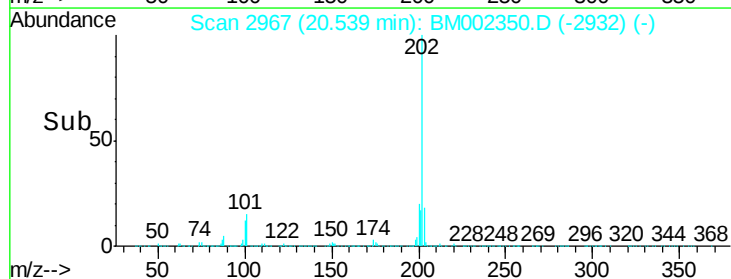
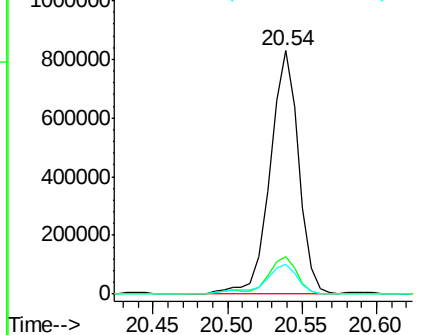


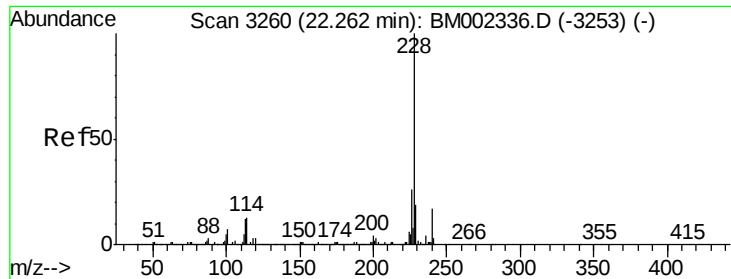
#19
 Pyrene
 Concen: 23.16 ng/ul
 RT: 20.54 min Scan# 2967
 Delta R.T. 0.01 min
 Lab File: BM002350.D
 Acq: 12 Aug 2015 07:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		1098383		
101	15.4	13.0	19.6		
100	12.3	11.0	16.4		



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: 15.70 ng/ul

RT: 22.26 min Scan# 3260

Delta R.T. -0.00 min

Lab File: BM002350.D

Acq: 12 Aug 2015 07:56

Instrument :

BNA_M

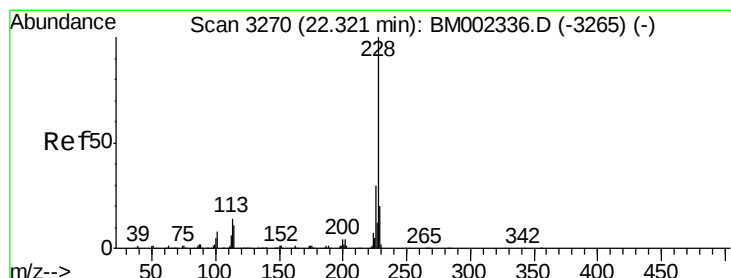
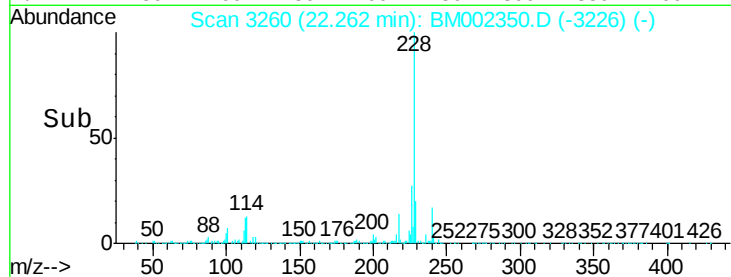
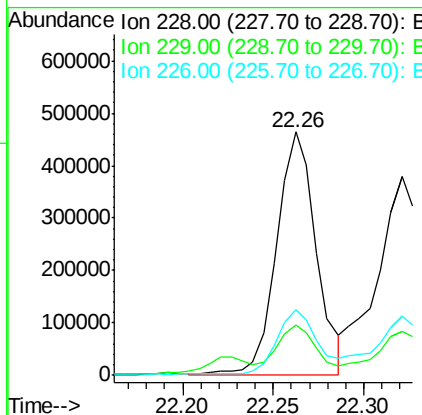
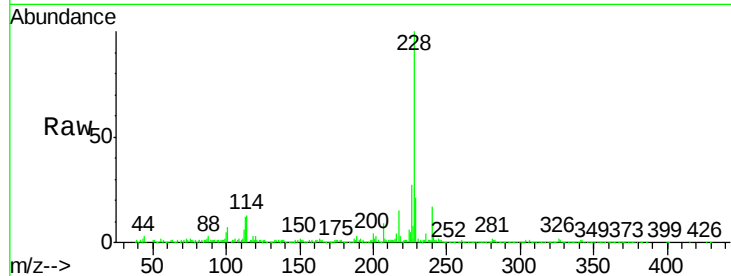
ClientSampleId :

D9C85

Tot Ion:	228	Resp:	703128
Ion Ratio	Lower	Upper	
228	100		
229	20.7	15.7	23.5
226	27.0	21.4	32.0

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#21

Chrysene

Concen: 14.98 ng/ul

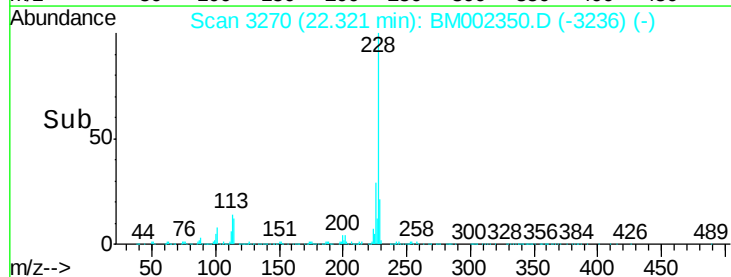
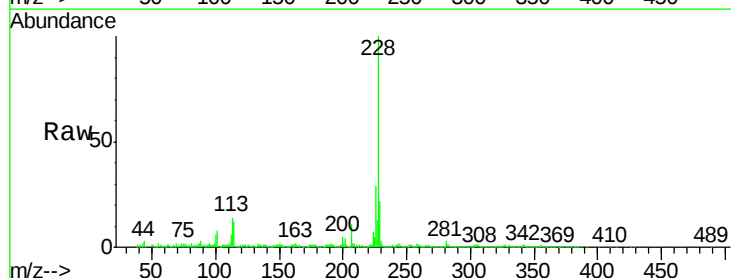
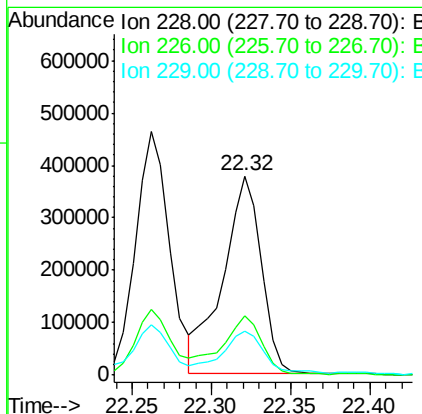
RT: 22.32 min Scan# 3270

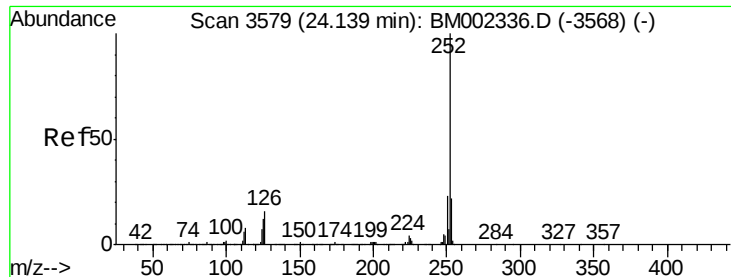
Delta R.T. -0.00 min

Lab File: BM002350.D

Acq: 12 Aug 2015 07:56

Tgt Ion:	228	Resp:	635634
Ion Ratio	Lower	Upper	
228	100		
226	29.4	23.4	35.0
229	22.2	15.5	23.3





#23

Benzo(b)fluoranthene

Concen: 18.45 ng/ul

RT: 24.14 min Scan# 3580

Delta R.T. 0.01 min

Lab File: BM002350.D

Acq: 12 Aug 2015 07:56

Instrument :

BNA_M

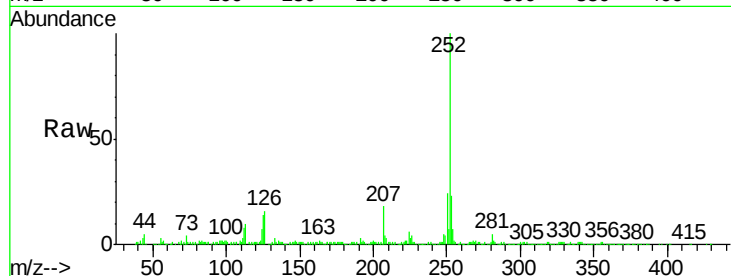
ClientSampled :

D9C85

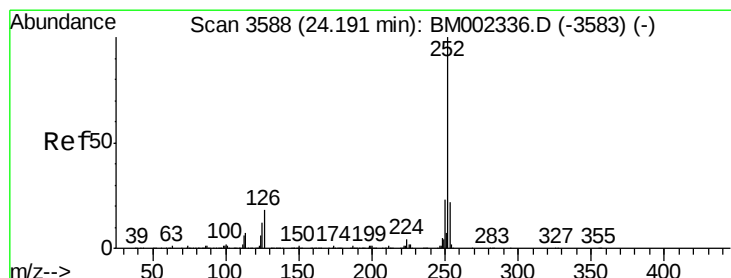
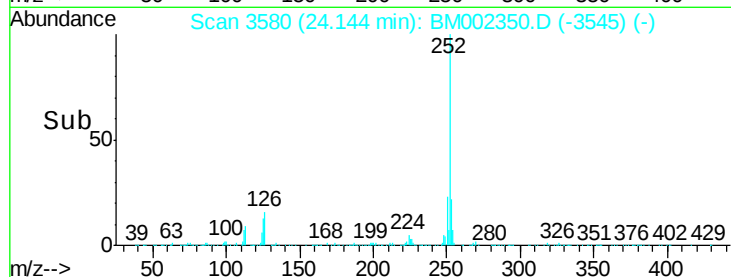
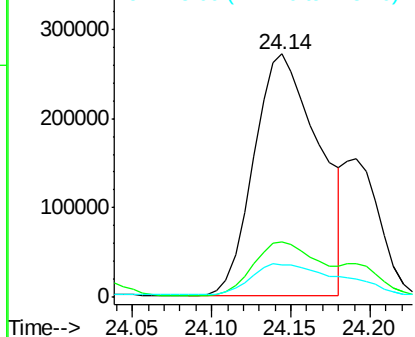
Tot Ion:	252	Resp:	774315
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.9	26.9
125	13.6	10.3	15.5

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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: 6.01 ng/ul m

RT: 24.19 min Scan# 3588

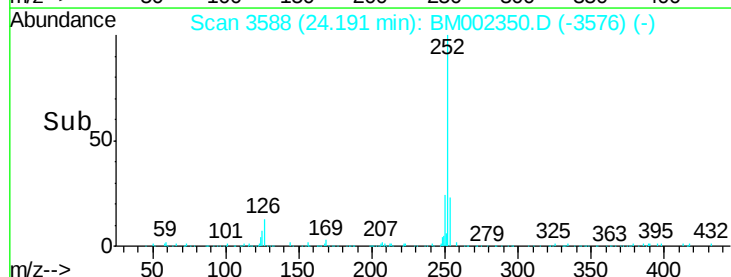
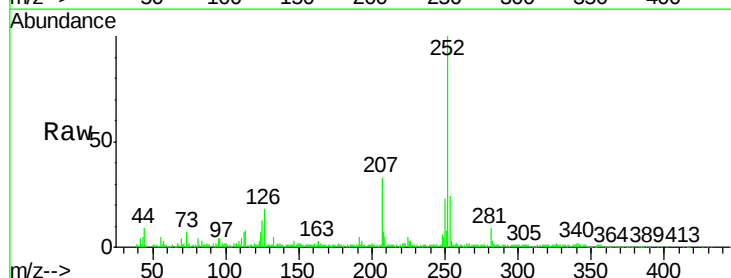
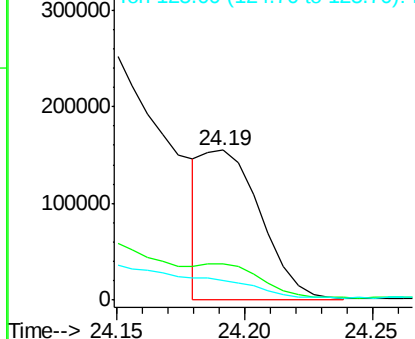
Delta R.T. -0.00 min

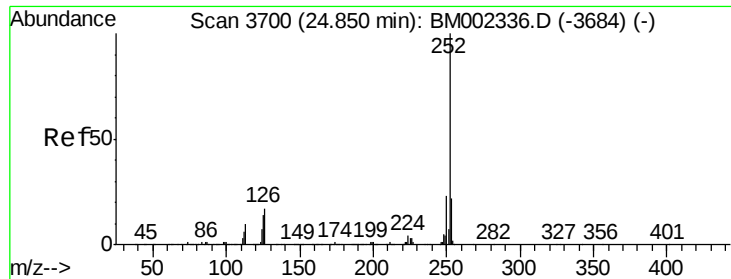
Lab File: BM002350.D

Acq: 12 Aug 2015 07:56

Tgt Ion:	252	Resp:	242411
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.3	25.9
125	13.1	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: 12.05 ng/ul

RT: 24.86 min Scan# 3701

Delta R.T. 0.01 min

Lab File: BM002350.D

Acq: 12 Aug 2015 07:56

Instrument :

BNA_M

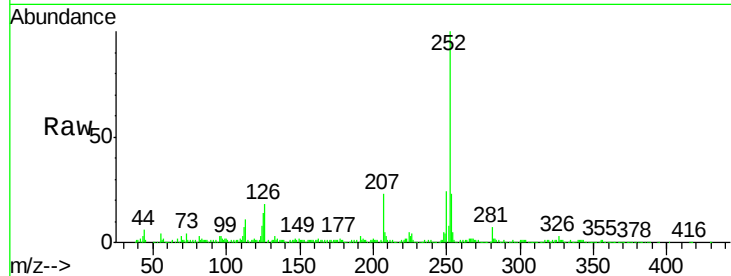
ClientSampleId :

D9C85

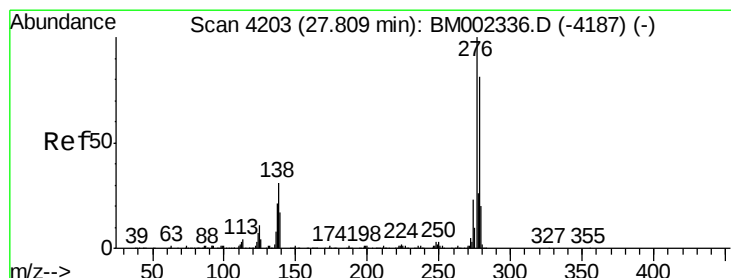
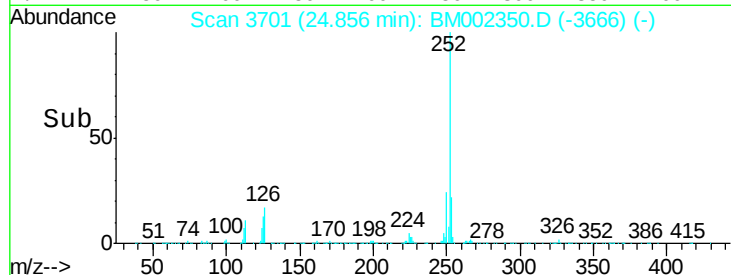
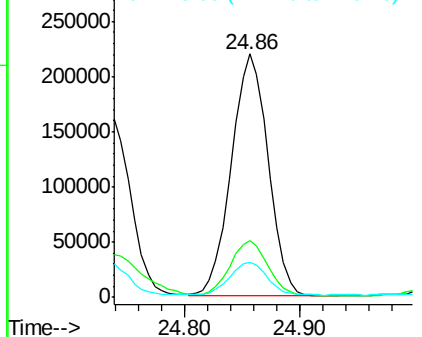
Tot Ion:	252	Resp:	484020
Ion Ratio		Lower	Upper
252	100		
253	23.1	17.3	25.9
125	14.3	11.0	16.6

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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: 7.00 ng/ul

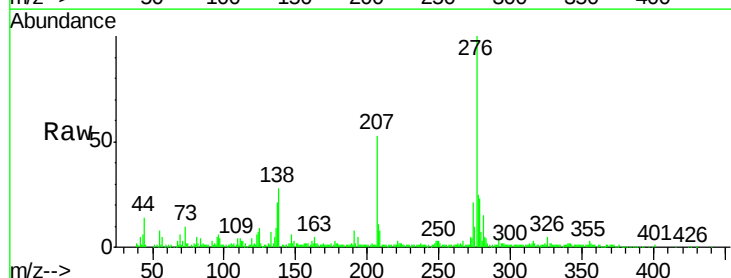
RT: 27.81 min Scan# 4204

Delta R.T. 0.01 min

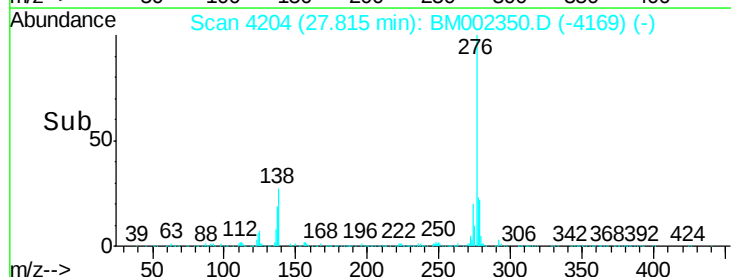
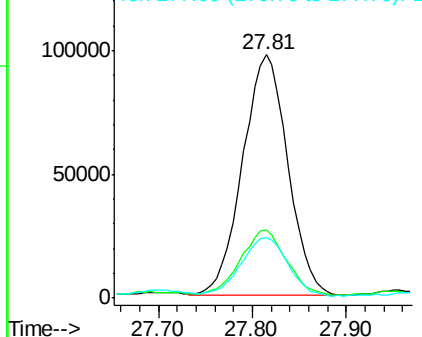
Lab File: BM002350.D

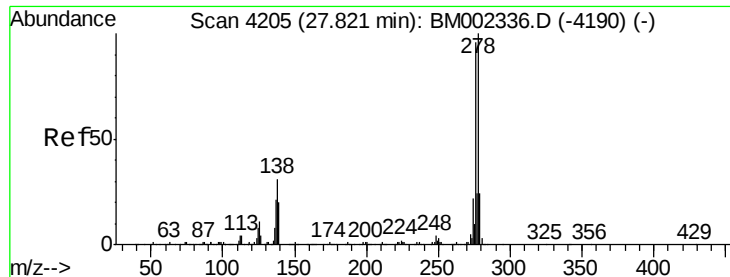
Acq: 12 Aug 2015 07:56

Tgt Ion:	276	Resp:	322166
Ion Ratio		Lower	Upper
276	100		
138	28.2	25.6	38.4
277	24.8	21.0	31.4



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





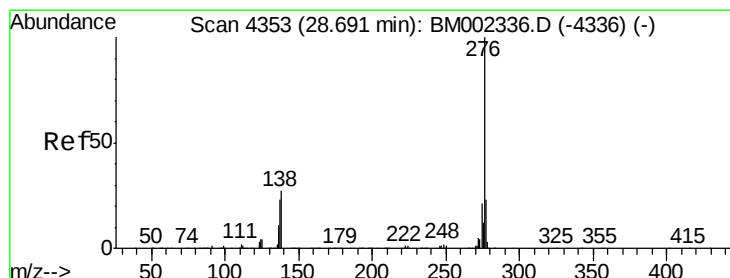
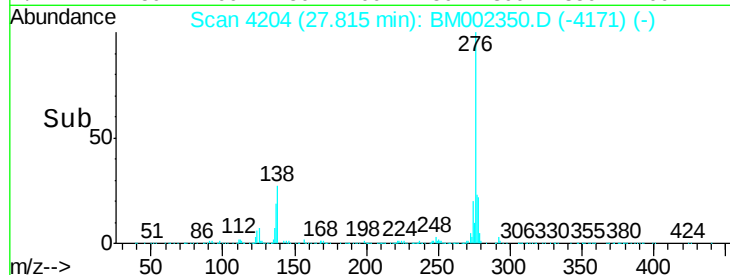
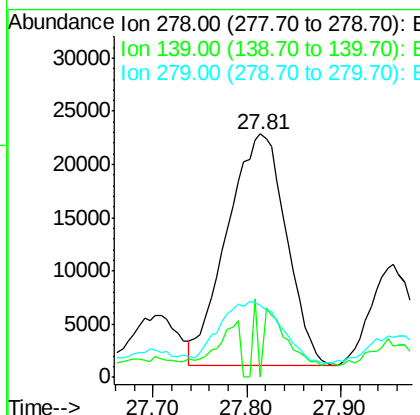
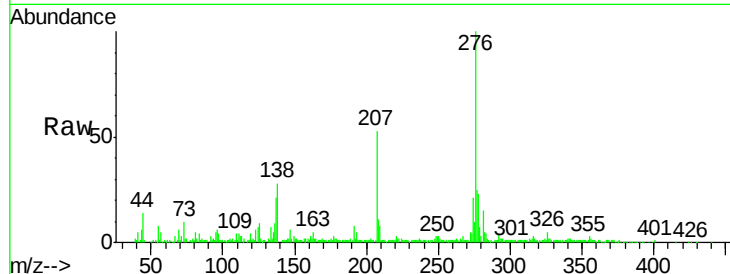
#28
Dibenzo(a,h)anthracene
Concen: 2.44 ng/ul
RT: 27.81 min Scan# 4204
Delta R.T. -0.01 min
Lab File: BM002350.D
Acq: 12 Aug 2015 07:56

Instrument :
BNA_M
ClientSampleId :
D9C85

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.4	24.6#
279	29.7	18.8	28.2#

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#29
Benzo(g,h,i)perylene
Concen: 7.92 ng/ul
RT: 28.70 min Scan# 4355
Delta R.T. 0.01 min
Lab File: BM002350.D
Acq: 12 Aug 2015 07:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.6	20.5	30.7
277	23.8	19.0	28.6

