

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083115\
 Data File : BM002603.D
 Acq On : 31 Aug 2015 23:40
 Operator : UM/IZ
 Sample : G3456-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9E96

Manual Integrations
 APPROVED

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 9/1/2015 2:57:40 PM

Quant Time: Sep 01 02:11:38 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 01 02:00:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	139943	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	629962	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	314126	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.07	188	581442	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	431678	20.00	ng/ul	0.00
22) Perylene-d12	24.79	264	428258	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.07	160	447440	13.93	ng/ul	0.00
10) Fluorene-d10	16.34	176	291366	12.92	ng/ul	0.00
14) Anthracene-d10	18.17	188	396784	14.15	ng/ul	0.00
18) Pyrene-d10	20.40	212	296598	15.50	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.61	264	241195	10.72	ng/ul	0.00
Target Compounds						
13) Phenanthrene	18.12	178	167689	4.99	ng/ul	Qvalue 99
15) Anthracene	18.21	178	50146	1.47	ng/ul	99
16) Fluoranthene	20.07	202	482994	12.71	ng/ul	96
19) Pyrene	20.43	202	366237	14.48	ng/ul	97
20) Benzo(a)anthracene	22.14	228	224862	8.71	ng/ul	98
21) Chrysene	22.20	228	202230	8.38	ng/ul	96
23) Benzo(b)fluoranthene	23.97	252	289829	11.19	ng/ul	98
24) Benzo(k)fluoranthene	24.02	252	88947m	3.63	ng/ul	
26) Benzo(a)pyrene	24.67	252	181220	7.33	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.54	276	133924	4.71	ng/ul	94
28) Dibenzo(a,h)anthracene	27.54	278	38275	1.61	ng/ul#	85
29) Benzo(g,h,i)perylene	28.41	276	102528	4.33	ng/ul	96

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

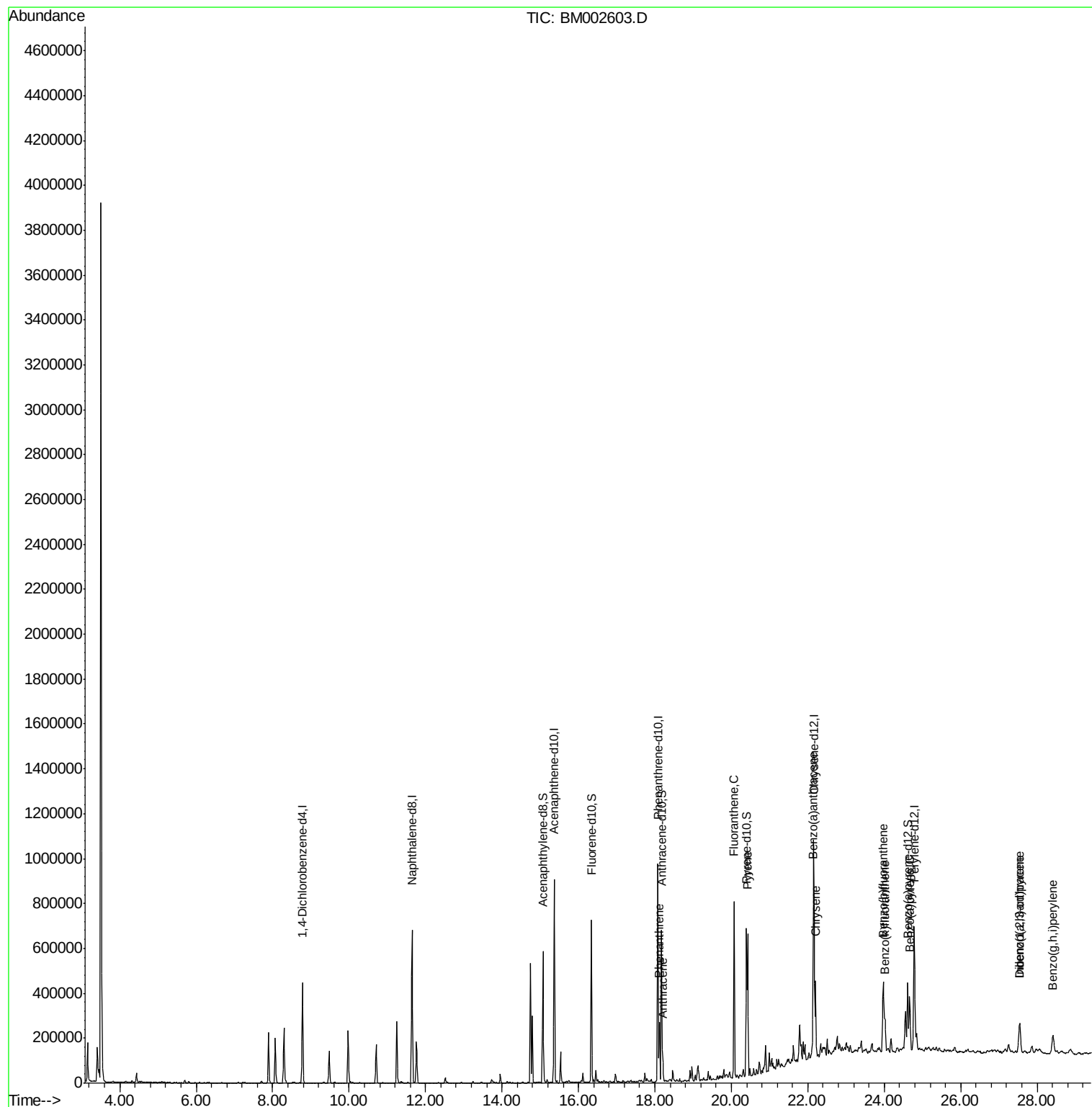
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083115\
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Acq On : 31 Aug 2015 23:40
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ALS Vial : 17 Sample Multiplier: 1

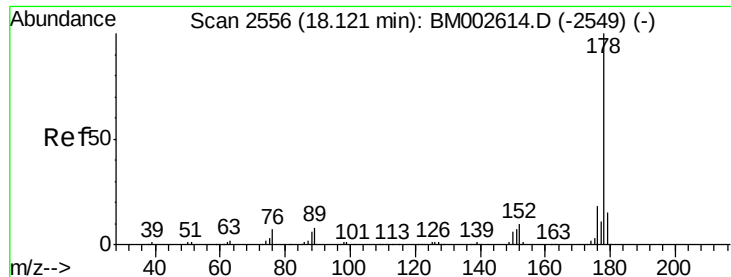
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Quant Title : SVOA CALIBRATION
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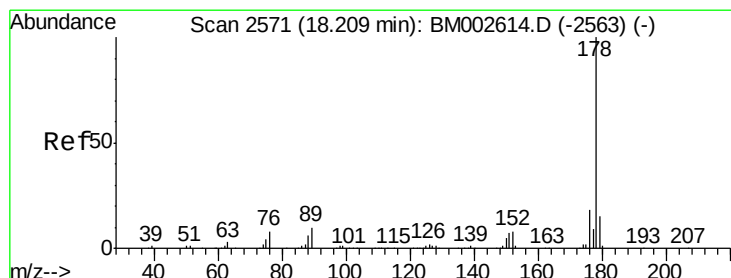
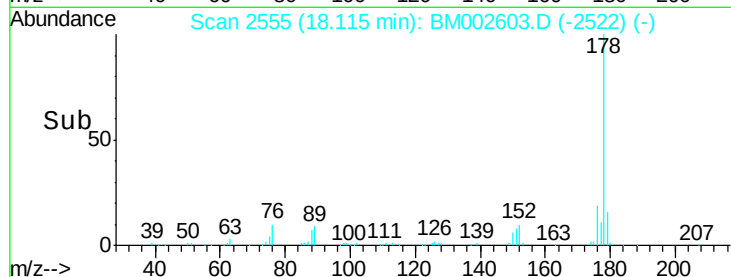
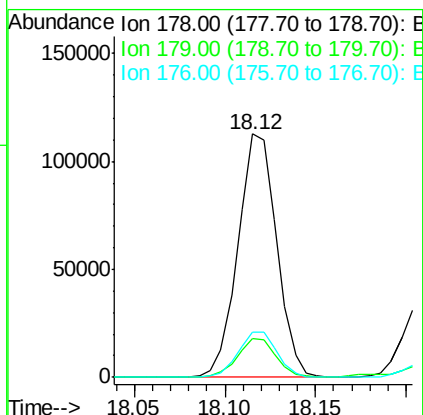
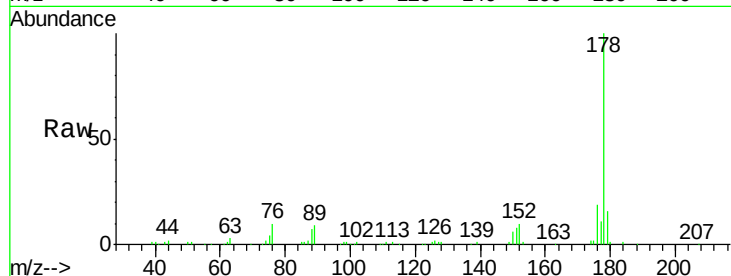
#13
Phenanthrene
Concen: 4.99 ng/ul
RT: 18.12 min Scan# 2555
Delta R.T. -0.01 min
Lab File: BM002603.D
Acq: 31 Aug 2015 23:40

Instrument :
BNA_M
ClientSampleId :
D9E96

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.4	18.6
176	18.6	15.1	22.7

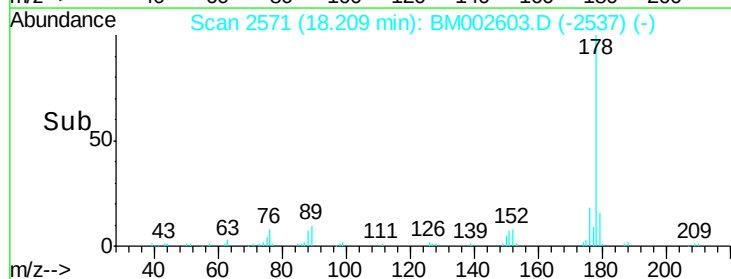
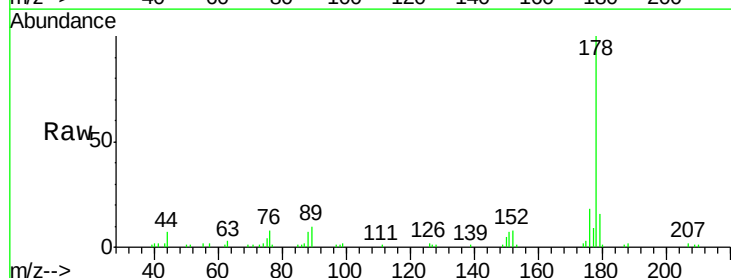
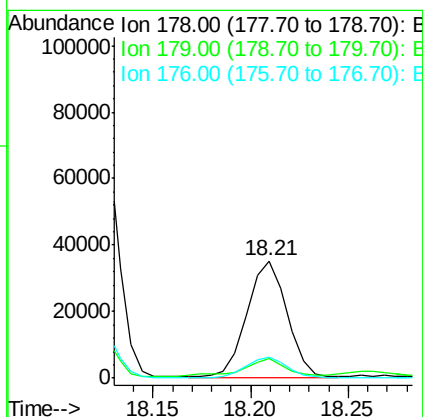
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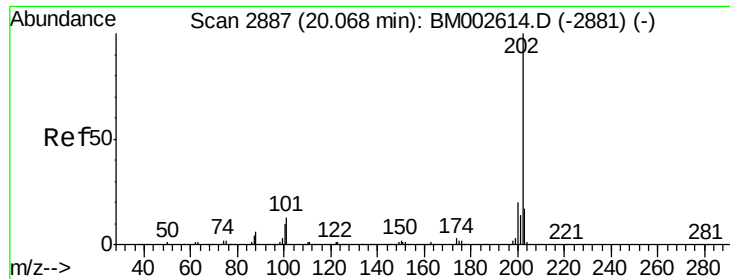
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#15
Anthracene
Concen: 1.47 ng/ul
RT: 18.21 min Scan# 2571
Delta R.T. 0.00 min
Lab File: BM002603.D
Acq: 31 Aug 2015 23:40

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.6	18.8
176	18.2	14.5	21.7





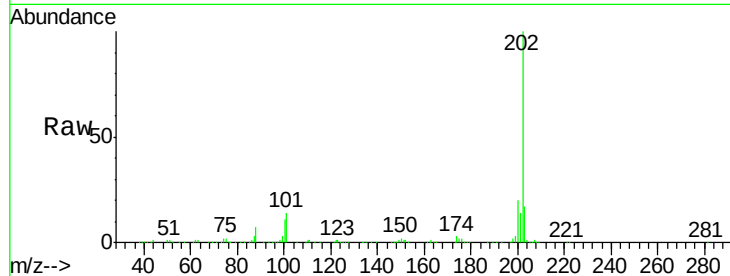
#16
Fluoranthene
Concen: 12.71 ng/ul
RT: 20.07 min Scan# 2887
Delta R.T. -0.01 min
Lab File: BM002603.D
Acq: 31 Aug 2015 23:40

Instrument :
BNA_M
ClientSampleId :
D9E96

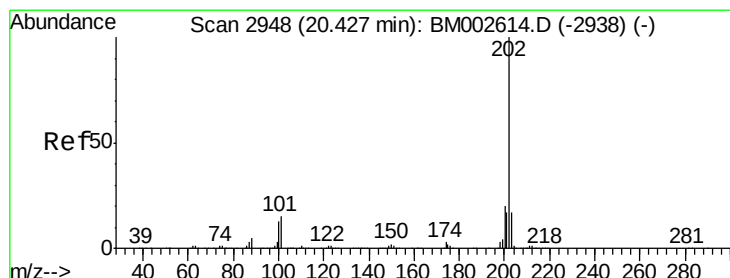
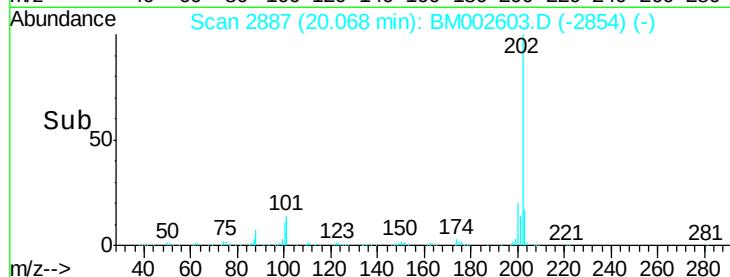
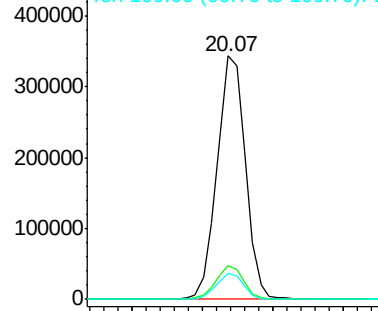
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	482994		
101	13.9	9.7	14.5	
100	10.6	7.4	11.2	

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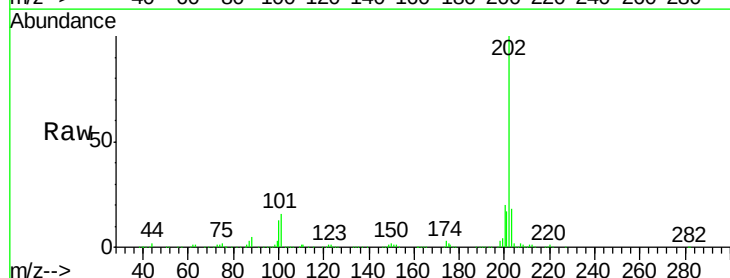


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

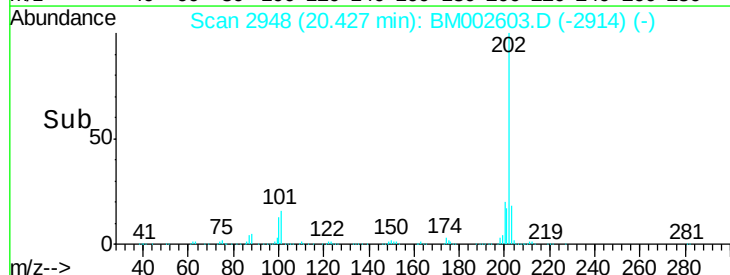
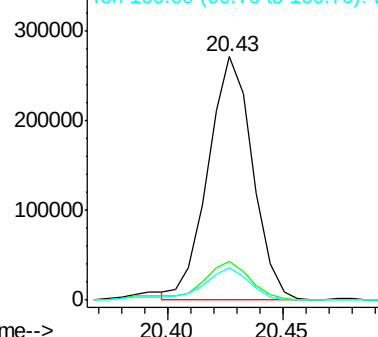


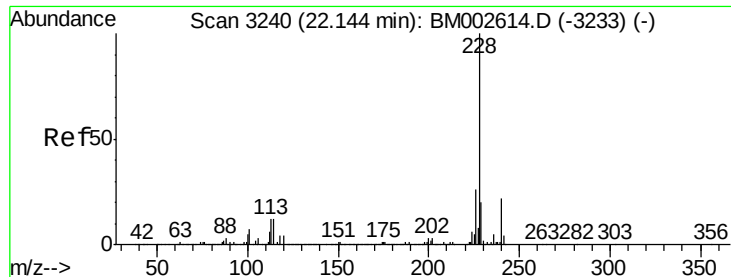
#19
Pyrene
Concen: 14.48 ng/ul
RT: 20.43 min Scan# 2948
Delta R.T. 0.00 min
Lab File: BM002603.D
Acq: 31 Aug 2015 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	366237		
101	16.1	12.0	18.0	
100	13.2	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





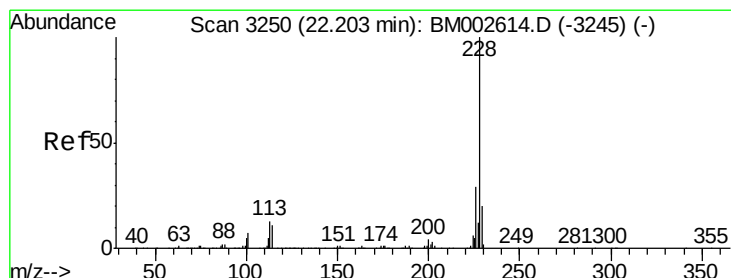
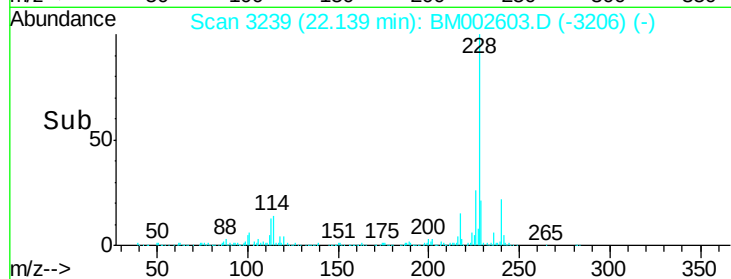
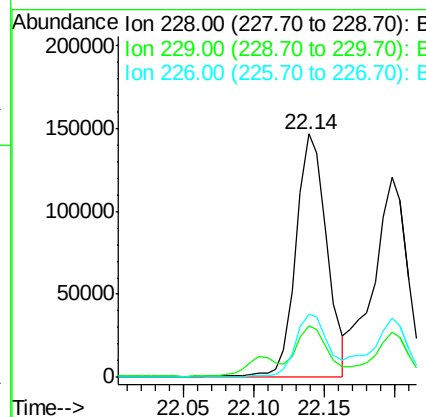
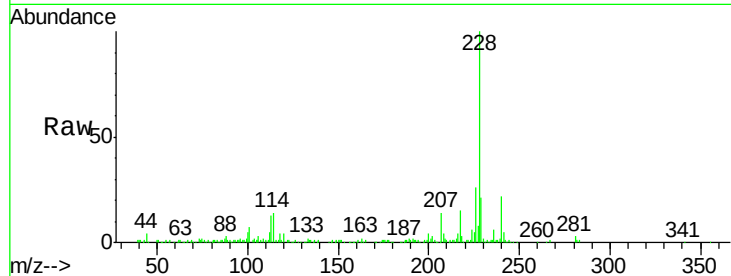
#20
Benzo(a)anthracene
Concen: 8.71 ng/ul
RT: 22.14 min Scan# 3239
Delta R.T. -0.01 min
Lab File: BM002603.D
Acq: 31 Aug 2015 23:40

Instrument :
BNA_M
ClientSampleId :
D9E96

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	224862		
229	21.0	15.8	23.6	
226	26.1	21.1	31.7	

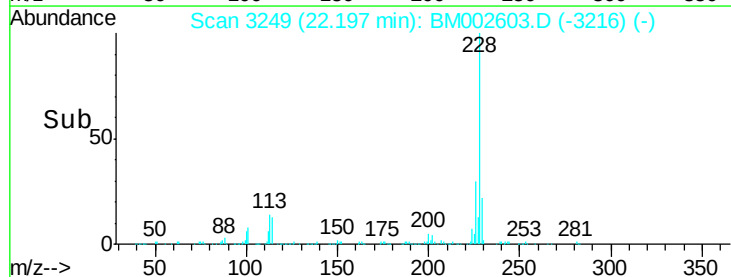
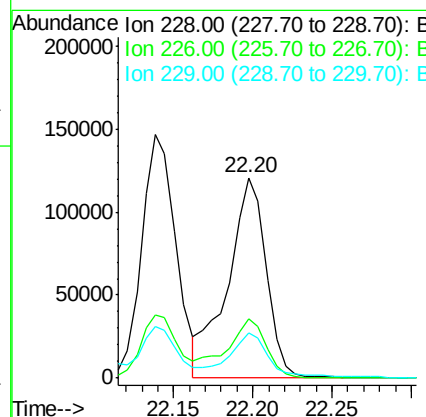
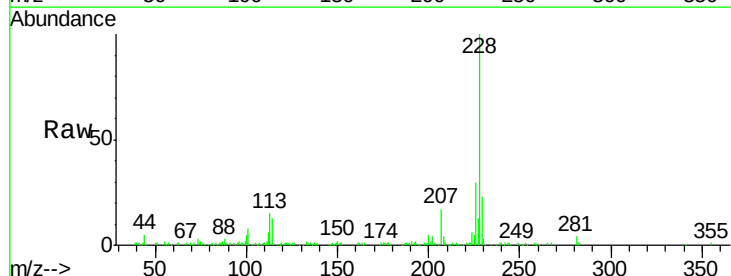
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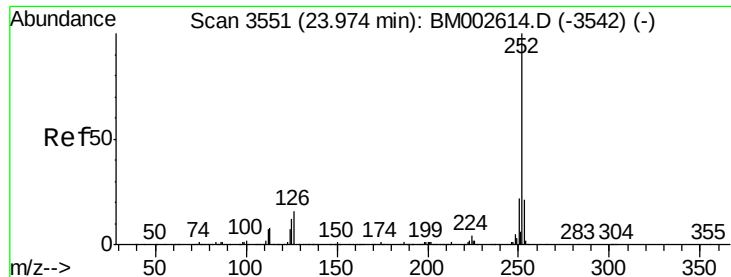
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#21
Chrysene
Concen: 8.38 ng/ul
RT: 22.20 min Scan# 3249
Delta R.T. -0.01 min
Lab File: BM002603.D
Acq: 31 Aug 2015 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	202230		
226	29.9	23.4	35.2	
229	22.9	15.7	23.5	





#23

Benzo(b)fluoranthene

Concen: 11.19 ng/ul

RT: 23.97 min Scan# 3551

Delta R.T. -0.01 min

Lab File: BM002603.D

Acq: 31 Aug 2015 23:40

Instrument :

BNA_M

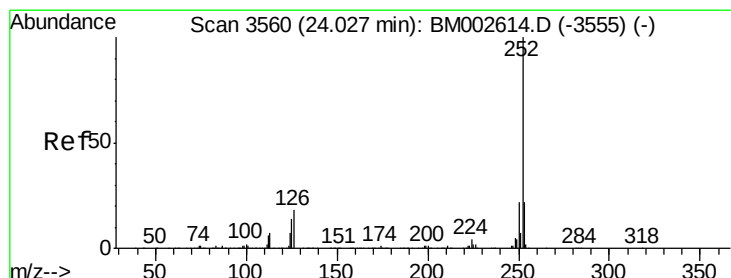
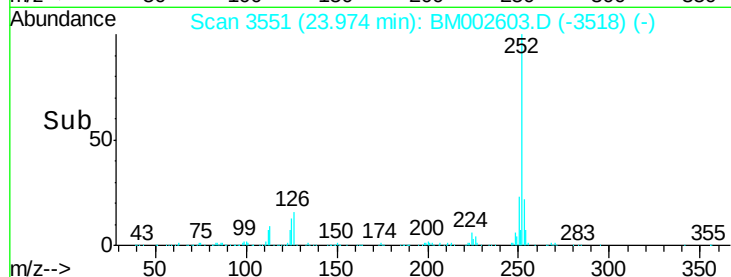
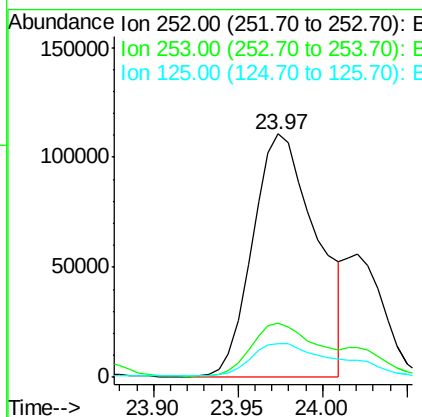
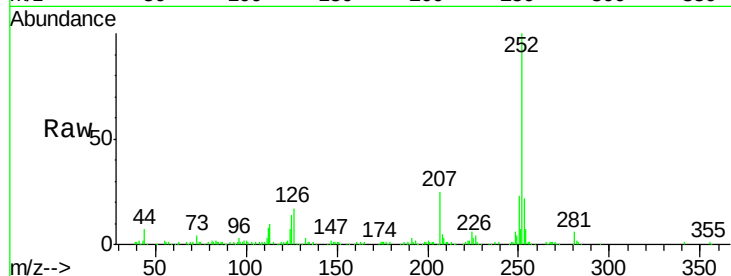
ClientSampleId :

D9E96

Tgt Ion:	252	Resp:	289829
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.4	26.0
125	13.7	10.0	15.0

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#24

Benzo(k)fluoranthene

Concen: 3.63 ng/ul m

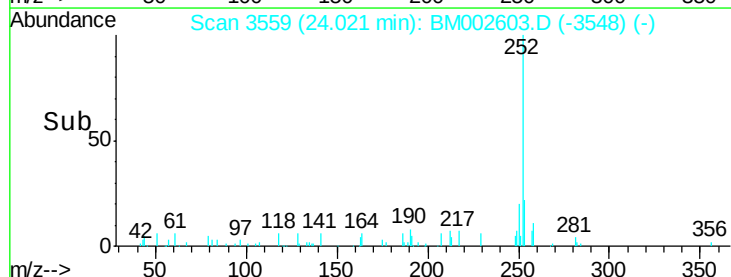
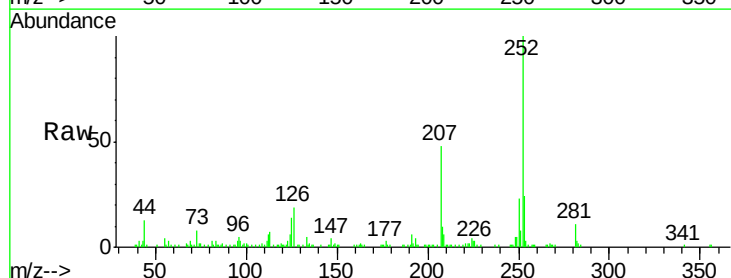
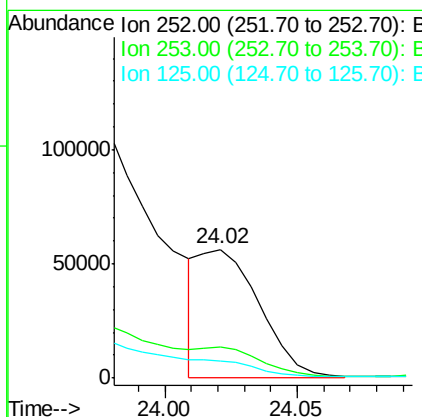
RT: 24.02 min Scan# 3559

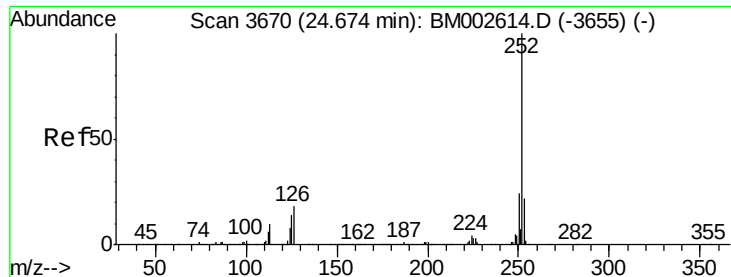
Delta R.T. -0.01 min

Lab File: BM002603.D

Acq: 31 Aug 2015 23:40

Tgt Ion:	252	Resp:	88947
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.8	26.6
125	13.6	9.8	14.8





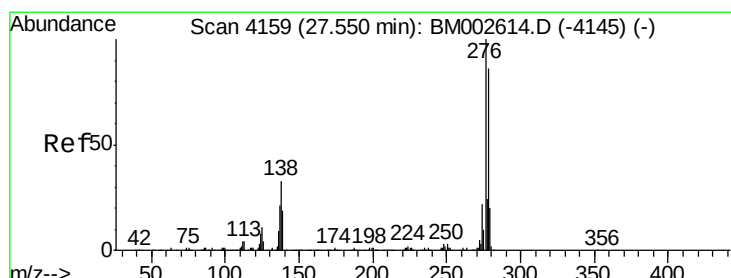
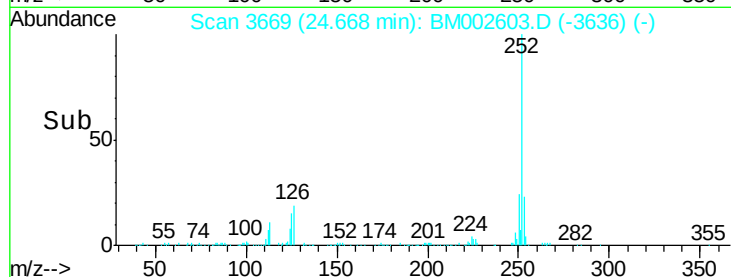
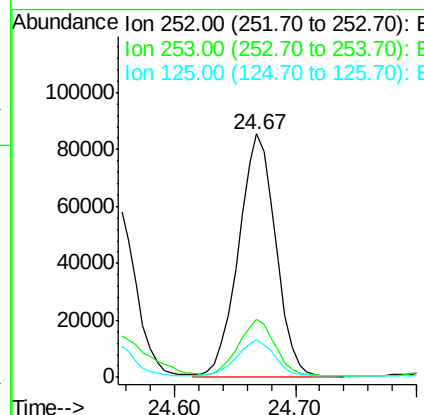
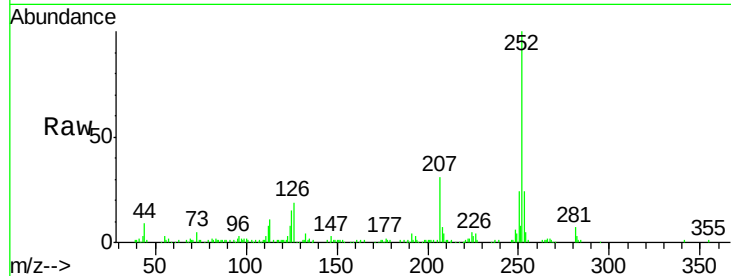
#26
Benzo(a)pyrene
Concen: 7.33 ng/ul
RT: 24.67 min Scan# 3669
Delta R.T. -0.01 min
Lab File: BM002603.D
Acq: 31 Aug 2015 23:40

Instrument :
BNA_M
ClientSampleId :
D9E96

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	181220		
253	24.0	17.6	26.4	
125	15.3	10.7	16.1	

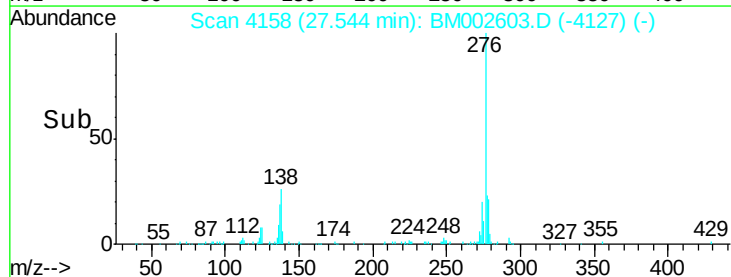
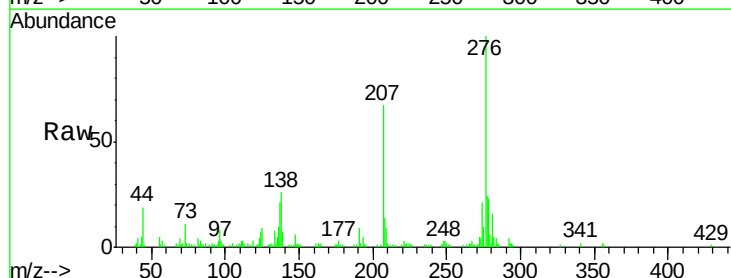
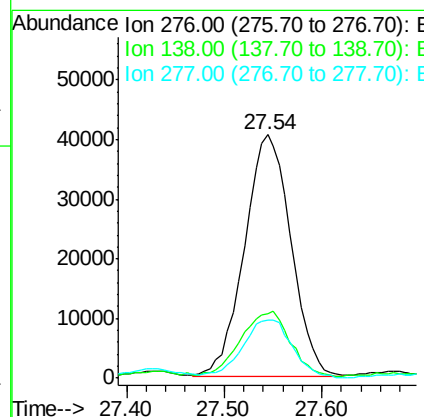
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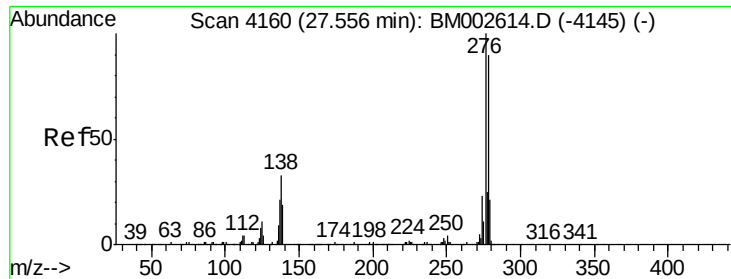
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#27
Indeno(1,2,3-cd)pyrene
Concen: 4.71 ng/ul
RT: 27.54 min Scan# 4158
Delta R.T. -0.02 min
Lab File: BM002603.D
Acq: 31 Aug 2015 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	133924		
138	26.4	25.3	37.9	
277	24.0	20.2	30.2	





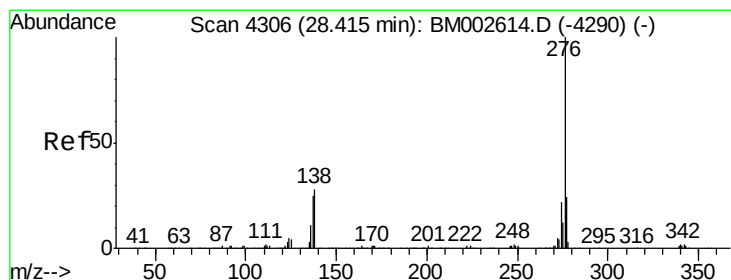
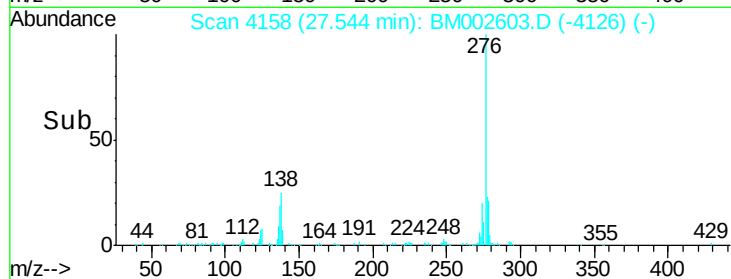
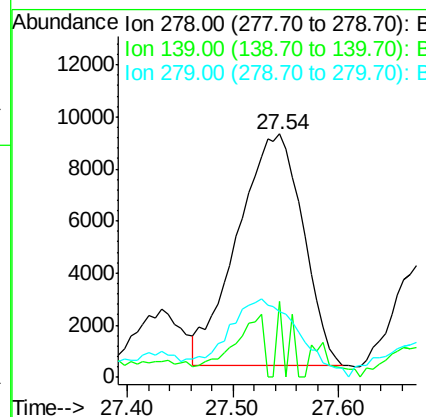
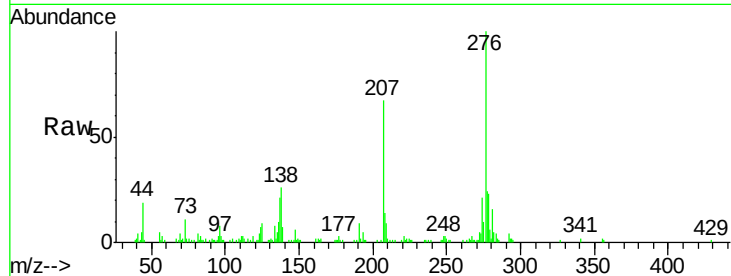
#28
Dibenzo(a,h)anthracene
Concen: 1.61 ng/ul
RT: 27.54 min Scan# 4158
Delta R.T. -0.01 min
Lab File: BM002603.D
Acq: 31 Aug 2015 23:40

Instrument :
BNA_M
ClientSampleId :
D9E96

Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.4	16.5	24.7#
279	27.0	18.8	28.2

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#29
Benzo(g,h,i)perylene
Concen: 4.33 ng/ul
RT: 28.41 min Scan# 4305
Delta R.T. -0.02 min
Lab File: BM002603.D
Acq: 31 Aug 2015 23:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.3	21.0	31.6
277	25.6	19.2	28.8

