

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082915\
 Data File : BM002566.D
 Acq On : 29 Aug 2015 16:05
 Operator : UM/IZ
 Sample : G3455-23
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9E86

Manual Integrations
 APPROVED

MMDadoda
 8/31/2015 1:50:38 PM

Quant Time: Aug 31 01:19:14 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 31 01:07:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.77	152	149586	20.00	ng/ul	0.00
2) Naphthalene-d8	11.64	136	704795	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.36	164	375312	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.07	188	726948	20.00	ng/ul	0.00
17) Chrysene-d12	22.15	240	536611	20.00	ng/ul	0.00
22) Perylene-d12	24.77	264	502838	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.07	160	354862	9.25	ng/ul	0.00
10) Fluorene-d10	16.33	176	213126	7.91	ng/ul	0.00
14) Anthracene-d10	18.17	188	287281	8.19	ng/ul	0.00
18) Pyrene-d10	20.39	212	178417	7.50	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.60	264	116232	4.40	ng/ul	0.00
Target Compounds						
13) Phenanthrene	18.12	178	68160	1.62	ng/ul	Qvalue 99
16) Fluoranthene	20.06	202	310906	6.54	ng/ul	97
19) Pyrene	20.42	202	292134	9.29	ng/ul	98
20) Benzo(a)anthracene	22.13	228	160952	5.02	ng/ul	100
21) Chrysene	22.19	228	157647	5.25	ng/ul	98
23) Benzo(b)fluoranthene	23.97	252	224558	7.39	ng/ul	97
24) Benzo(k)fluoranthene	24.01	252	83100m	2.88	ng/ul	
26) Benzo(a)pyrene	24.66	252	166947	5.75	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.53	276	122265	3.66	ng/ul	93
28) Dibenzo(a,h)anthracene	27.52	278	29706	1.06	ng/ul#	86
29) Benzo(g,h,i)perylene	28.39	276	109387	3.94	ng/ul	96

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

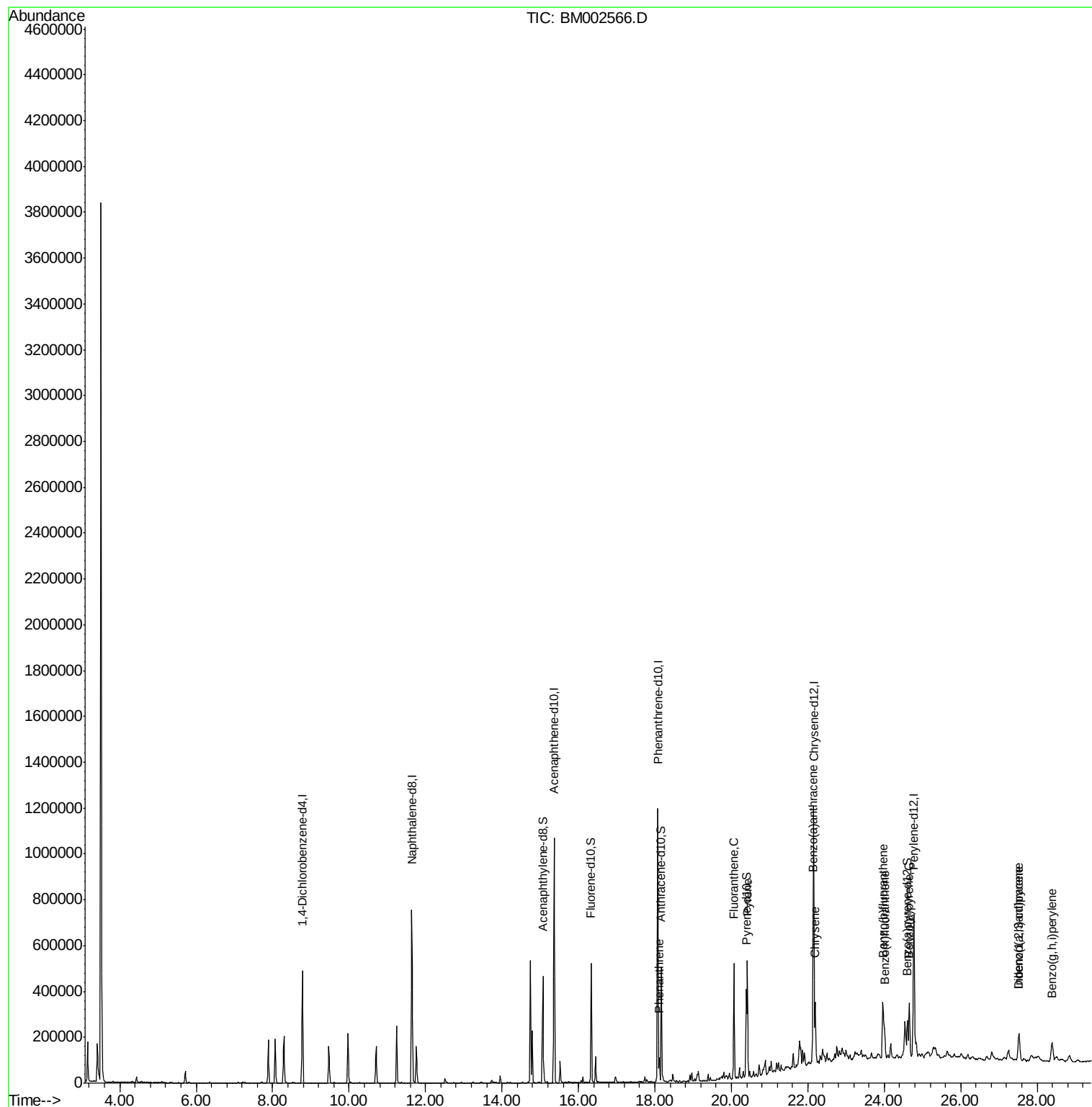
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082915\
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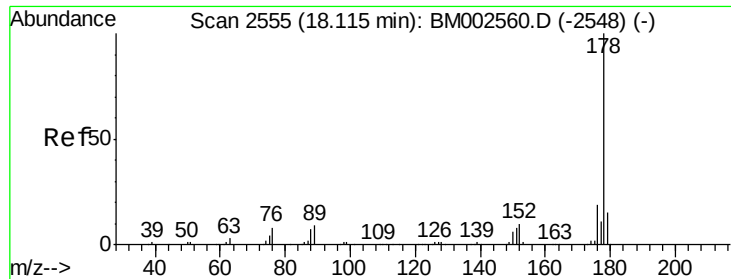
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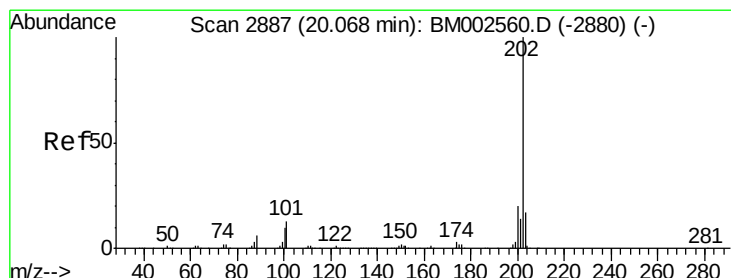
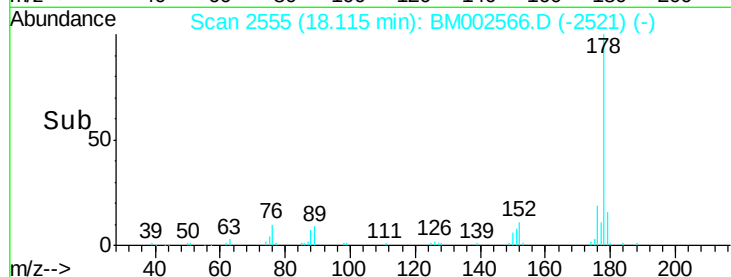
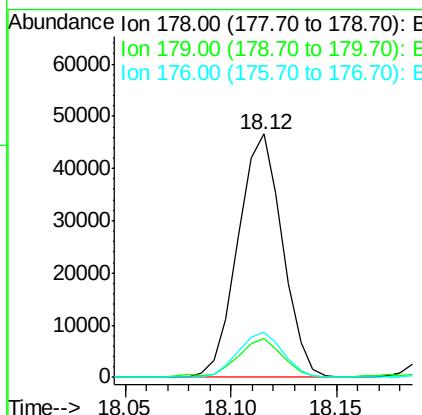
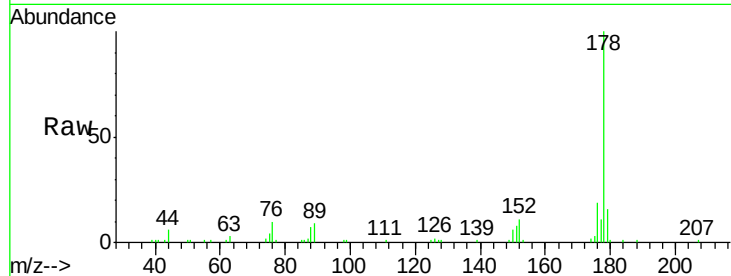
#13
Phenanthrene
Concen: 1.62 ng/ul
RT: 18.12 min Scan# 2555
Delta R.T. 0.00 min
Lab File: BM002566.D
Acq: 29 Aug 2015 16:05

Instrument :
BNA_M
ClientSampleId :
D9E86

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	68160		
179	15.9	12.4	18.6	
176	18.6	15.1	22.7	

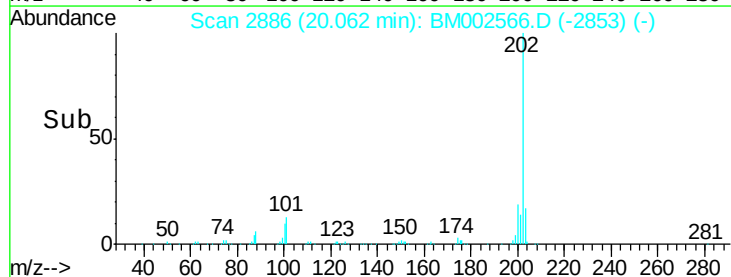
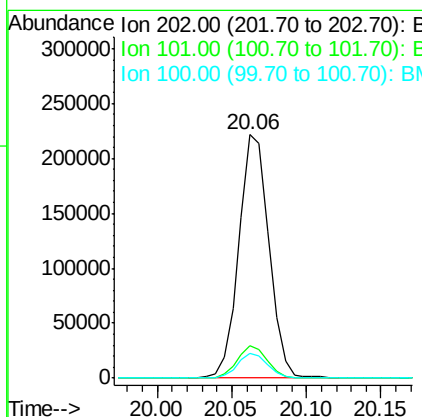
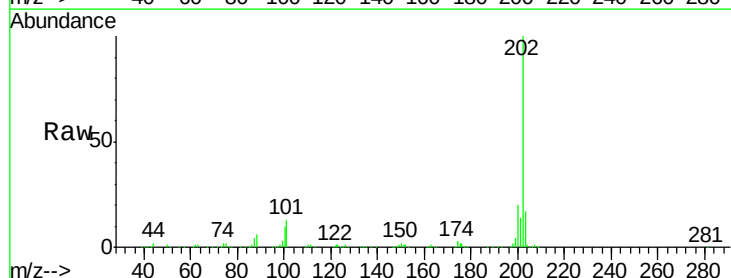
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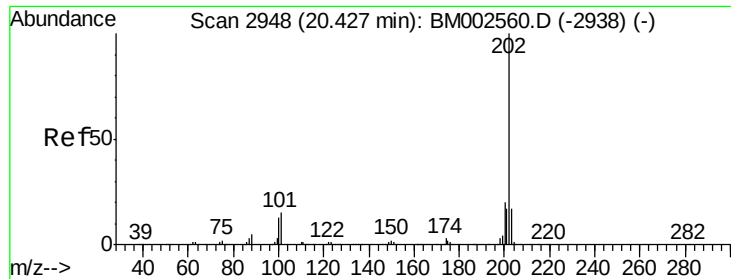
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#16
Fluoranthene
Concen: 6.54 ng/ul
RT: 20.06 min Scan# 2886
Delta R.T. -0.01 min
Lab File: BM002566.D
Acq: 29 Aug 2015 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	310906		
101	13.3	9.7	14.5	
100	10.0	7.4	11.2	





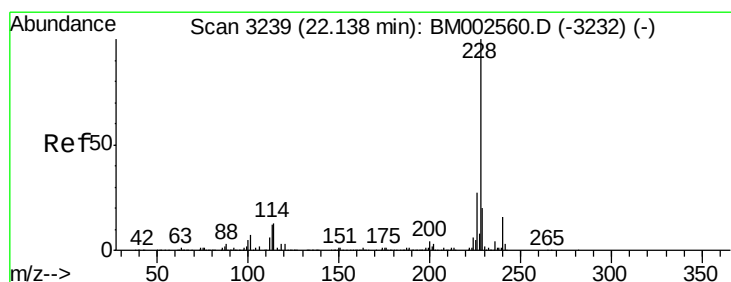
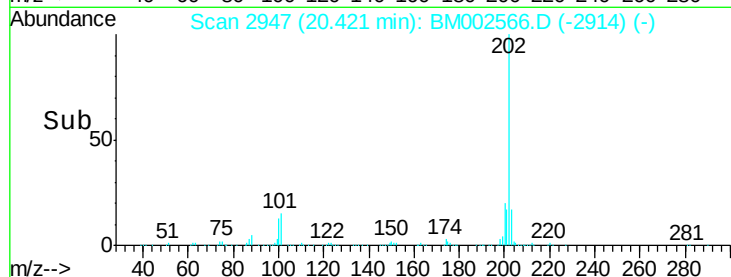
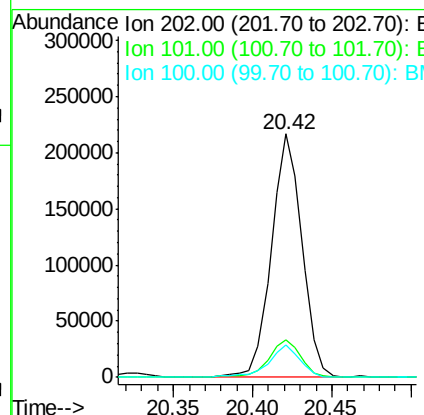
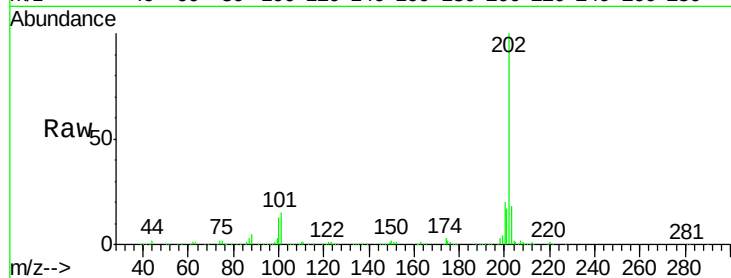
#19
 Pyrene
 Concen: 9.29 ng/ul
 RT: 20.42 min Scan# 2947
 Delta R.T. -0.01 min
 Lab File: BM002566.D
 Acq: 29 Aug 2015 16:05

Instrument :
 BNA_M
 ClientSampleId :
 D9E86

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	292134		
101	15.4	12.0	18.0	
100	13.3	9.7	14.5	

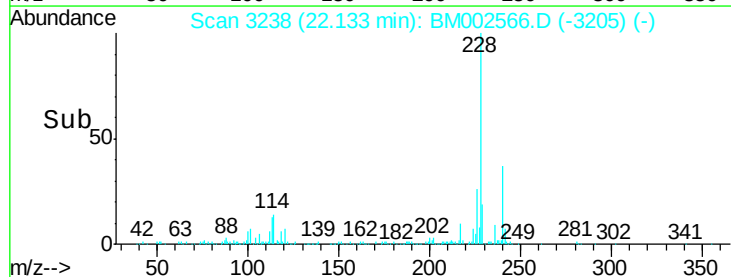
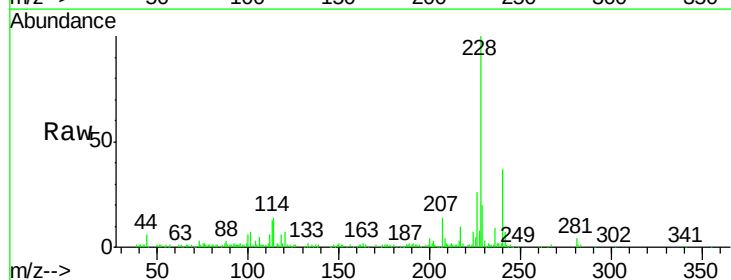
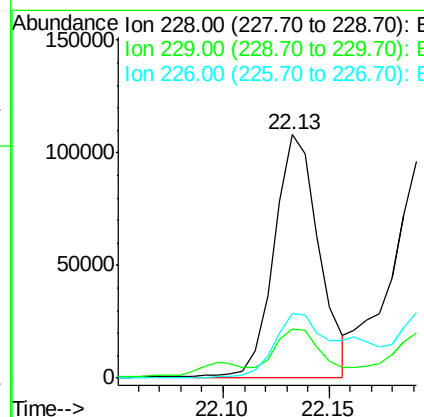
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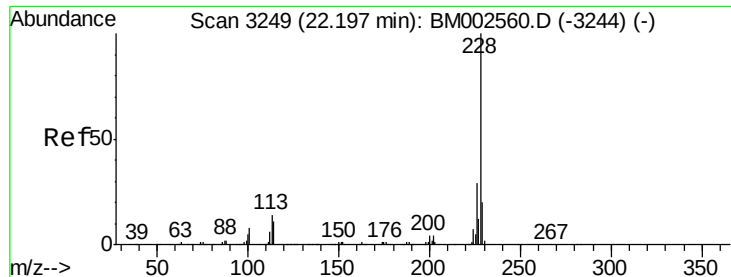
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#20
 Benzo(a)anthracene
 Concen: 5.02 ng/ul
 RT: 22.13 min Scan# 3238
 Delta R.T. -0.01 min
 Lab File: BM002566.D
 Acq: 29 Aug 2015 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	160952		
229	20.0	15.8	23.6	
226	26.3	21.1	31.7	





#21

Chrysene

Concen: 5.25 ng/ul

RT: 22.19 min Scan# 3248

Delta R.T. -0.01 min

Lab File: BM002566.D

Acq: 29 Aug 2015 16:05

Instrument :

BNA_M

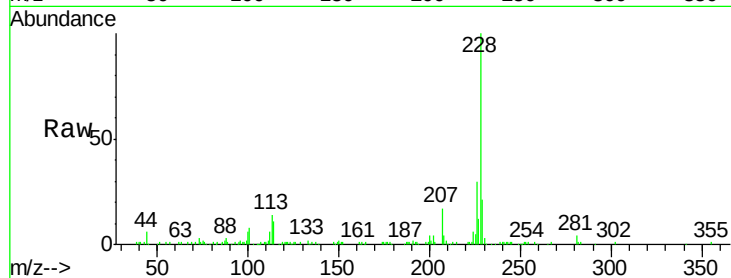
ClientSampled :

D9E86

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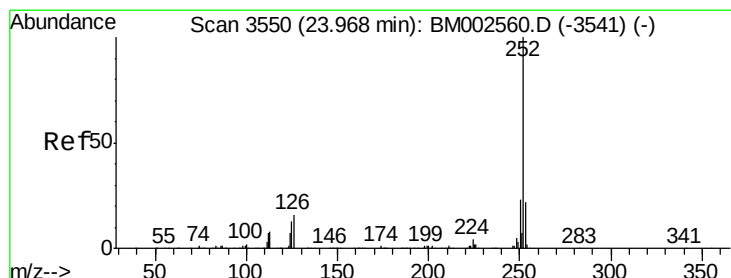
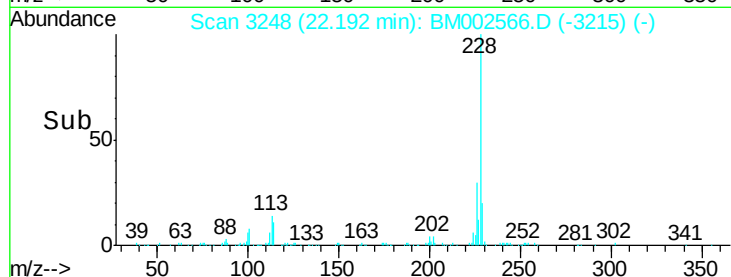
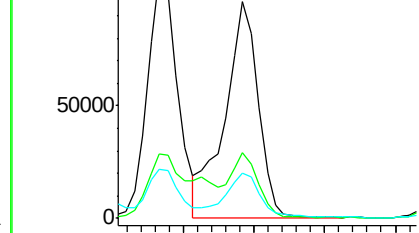
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Tgt Ion:	228	Resp:	157647
Ion Ratio		Lower	Upper
228	100		
226	30.1	23.4	35.2
229	21.0	15.7	23.5



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

22.19



#23

Benzo(b)fluoranthene

Concen: 7.39 ng/ul

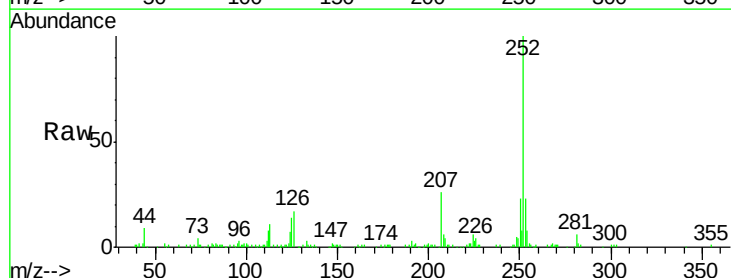
RT: 23.97 min Scan# 3550

Delta R.T. 0.00 min

Lab File: BM002566.D

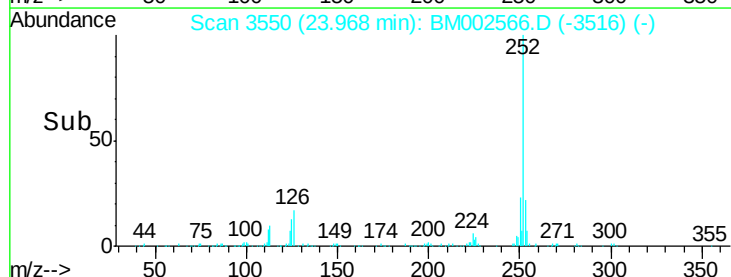
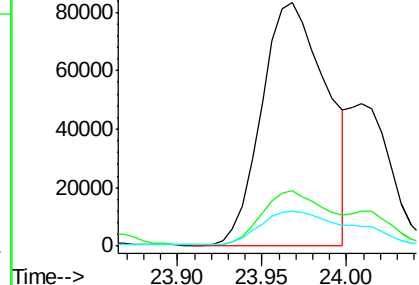
Acq: 29 Aug 2015 16:05

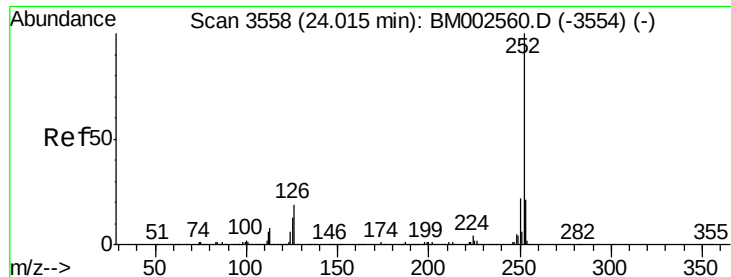
Tgt Ion:	252	Resp:	224558
Ion Ratio		Lower	Upper
252	100		
253	22.9	17.4	26.0
125	14.1	10.0	15.0



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

23.97





#24

Benzo(k)fluoranthene

Concen: 2.88 ng/ul m

RT: 24.01 min Scan# 3557

Delta R.T. -0.01 min

Lab File: BM002566.D

Acq: 29 Aug 2015 16:05

Instrument :

BNA_M

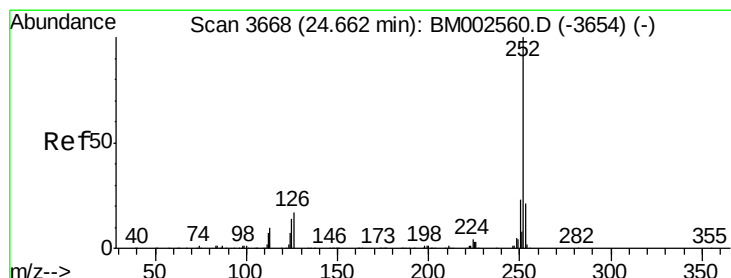
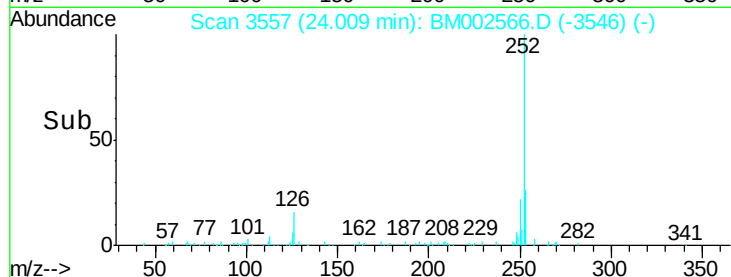
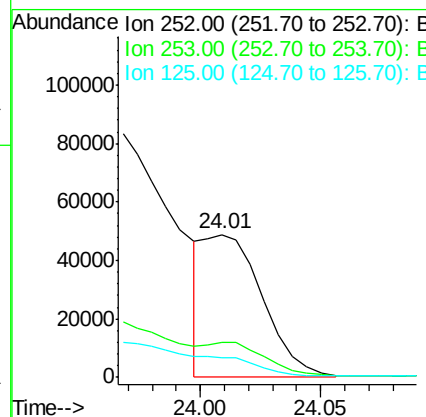
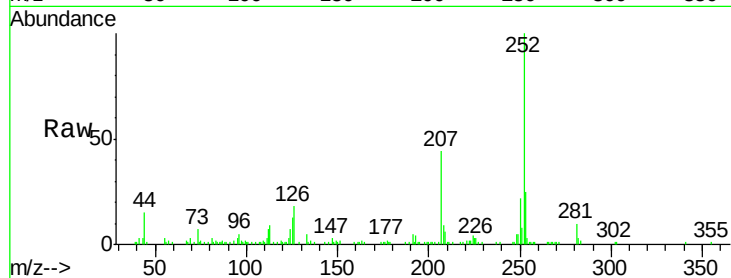
ClientSampled :

D9E86

Tgt Ion:	252	Resp:	83100
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.8	26.6
125	13.4	9.8	14.8

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#26

Benzo(a)pyrene

Concen: 5.75 ng/ul

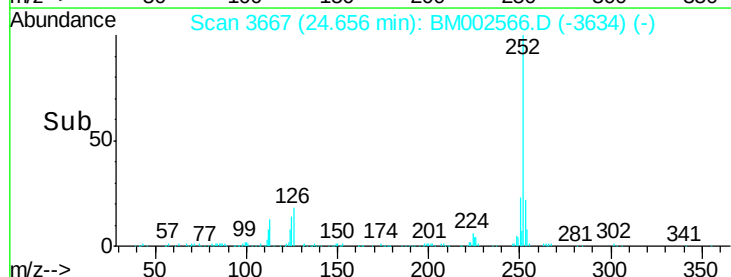
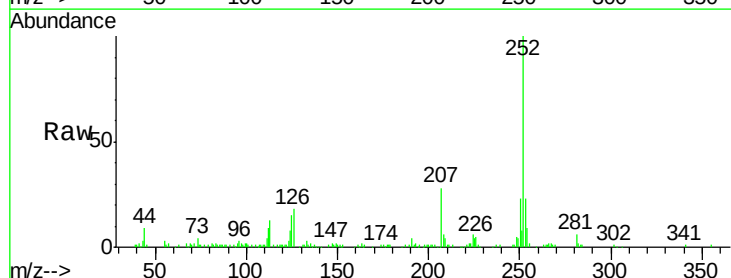
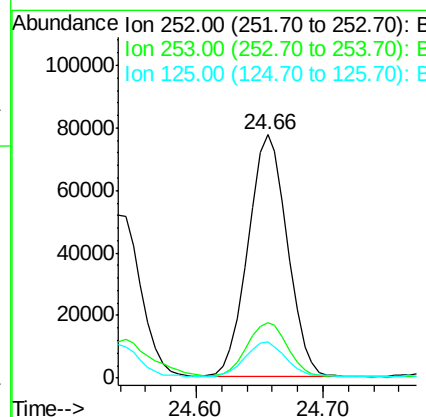
RT: 24.66 min Scan# 3667

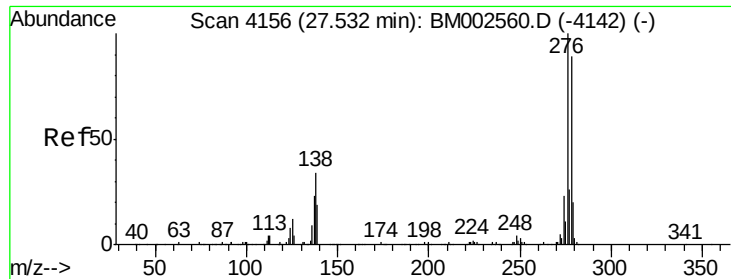
Delta R.T. -0.01 min

Lab File: BM002566.D

Acq: 29 Aug 2015 16:05

Tgt Ion:	252	Resp:	166947
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.6	26.4
125	14.9	10.7	16.1





#27

Indeno(1,2,3-cd)pyrene

Concen: 3.66 ng/ul

RT: 27.53 min Scan# 4155

Delta R.T. -0.01 min

Lab File: BM002566.D

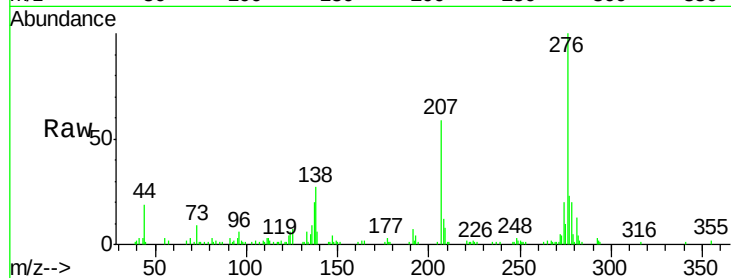
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Instrument :

BNA_M

ClientSampleId :

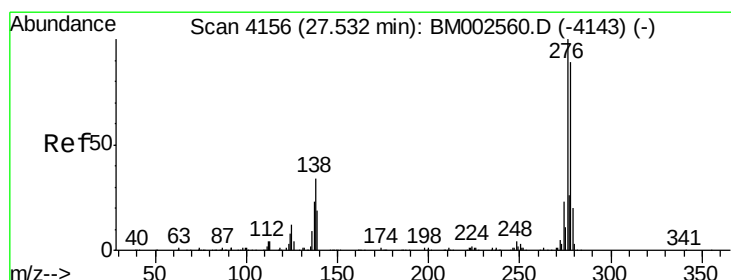
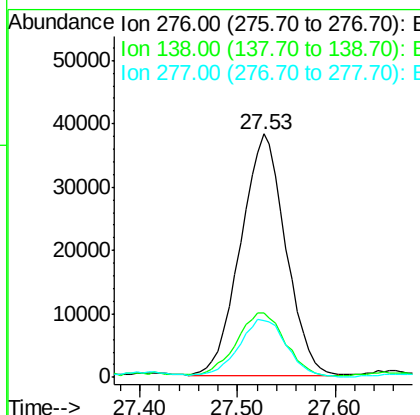
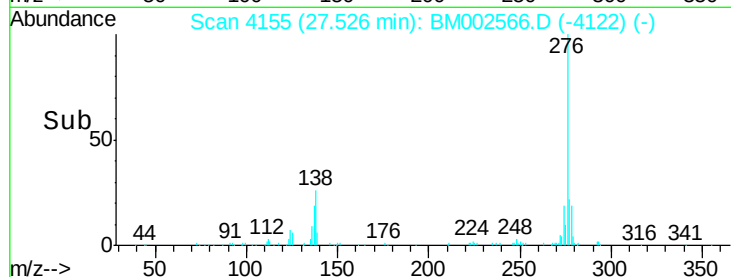
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Tgt Ion	Ratio	Resp	Lower	Upper
276	100	122265		
138	26.5	25.3	37.9	
277	23.3	20.2	30.2	

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#28

Dibenzo(a,h)anthracene

Concen: 1.06 ng/ul

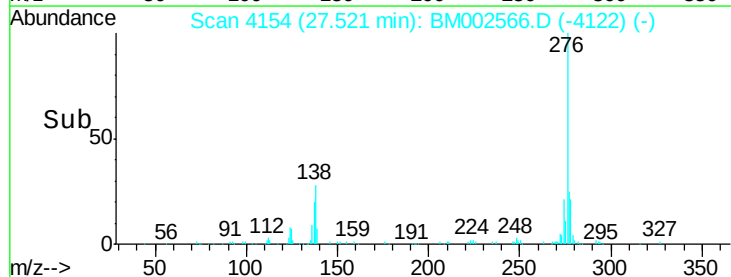
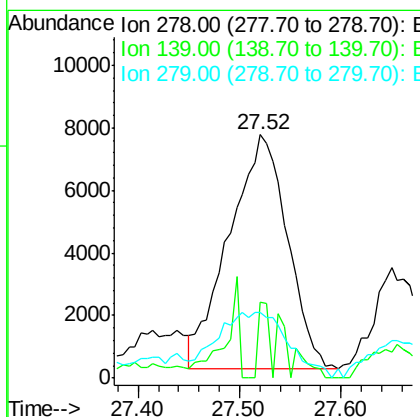
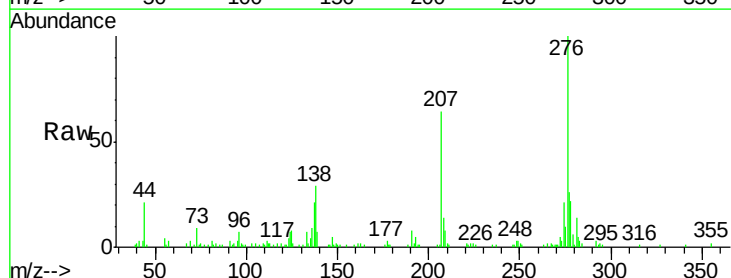
RT: 27.52 min Scan# 4154

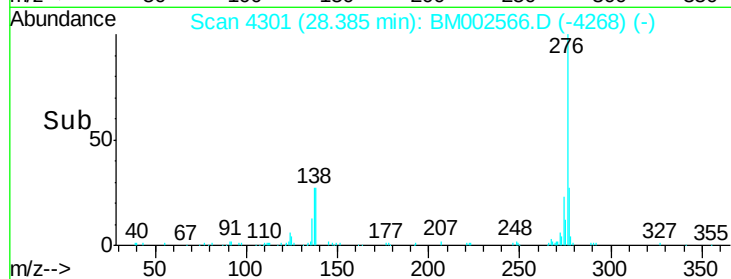
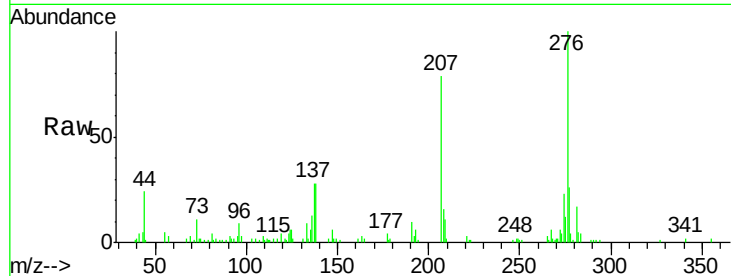
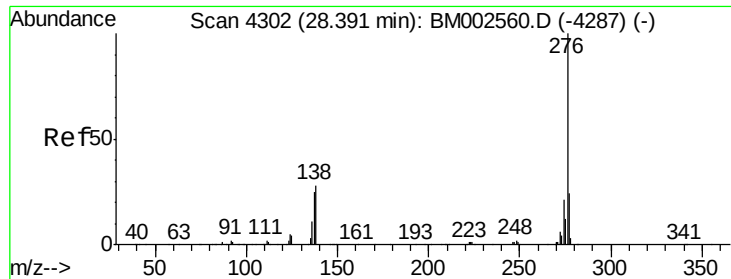
Delta R.T. -0.01 min

Lab File: BM002566.D

Acq: 29 Aug 2015 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	29706		
139	31.1	16.5	24.7#	
279	26.7	18.8	28.2	





#29

Benzo(g,h,i)perylene

Concen: 3.94 ng/ul

RT: 28.39 min Scan# 4301

Delta R.T. -0.01 min

Lab File: BM002566.D

Acq: 29 Aug 2015 16:05

Tgt Ion:	276	Resp:	109387
Ion Ratio	Lower	Upper	
276	100		
138	27.7	21.0	31.6
277	26.2	19.2	28.8

Instrument :

BNA_M

ClientSampleId :

D9E86

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