

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040617\  
 Data File : BM009564.D  
 Acq On : 05 Apr 2017 18:58  
 Operator : SJ/MA  
 Sample : I2285-15  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CB339

Manual Integrations  
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Quant Time: Apr 06 03:41:47 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Apr 06 03:22:40 2017  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	128809	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	492500	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	283122	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	668401	20.00	ng/ul	0.00
18) Chrysene-d12	21.41	240	959729	20.00	ng/ul	0.00
23) Perylene-d12	23.73	264	939186	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.27	165	3727m	0.49	ng/uL	0.01
7) Acenaphthylene-d8	14.18	160	376381	13.56	ng/ul	0.00
10) Fluorene-d10	15.48	176	282937	14.18	ng/ul	0.00
15) Anthracene-d10	17.33	188	461206	14.42	ng/ul	0.00
19) Pyrene-d10	19.63	212	584394	14.82	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.58	264	613279	14.79	ng/ul	0.00
Target Compounds						
14) Phenanthrene	17.27	178	350205	9.32	ng/ul	95
16) Anthracene	17.36	178	73160	1.88	ng/ul	98
17) Fluoranthene	19.29	202	698618	14.93	ng/ul#	95
20) Pyrene	19.66	202	610833	11.69	ng/ul	96
21) Benzo(a)anthracene	21.40	228	389950	7.19	ng/ul	97
22) Chrysene	21.45	228	381253	7.67	ng/ul	96
24) Benzo(b)fluoranthene	23.03	252	518727	8.93	ng/ul	98
25) Benzo(k)fluoranthene	23.07	252	153642m	2.78	ng/ul	
27) Benzo(a)pyrene	23.63	252	319691	5.79	ng/ul	95
28) Indeno(1,2,3-cd)pyrene	26.09	276	228030	3.68	ng/ul	97
29) Dibenzo(a,h)anthracene	26.09	278	61342	1.17	ng/ul	97
30) Benzo(a,h,i)perylene	26.81	276	202732	3.97	ng/ul	96

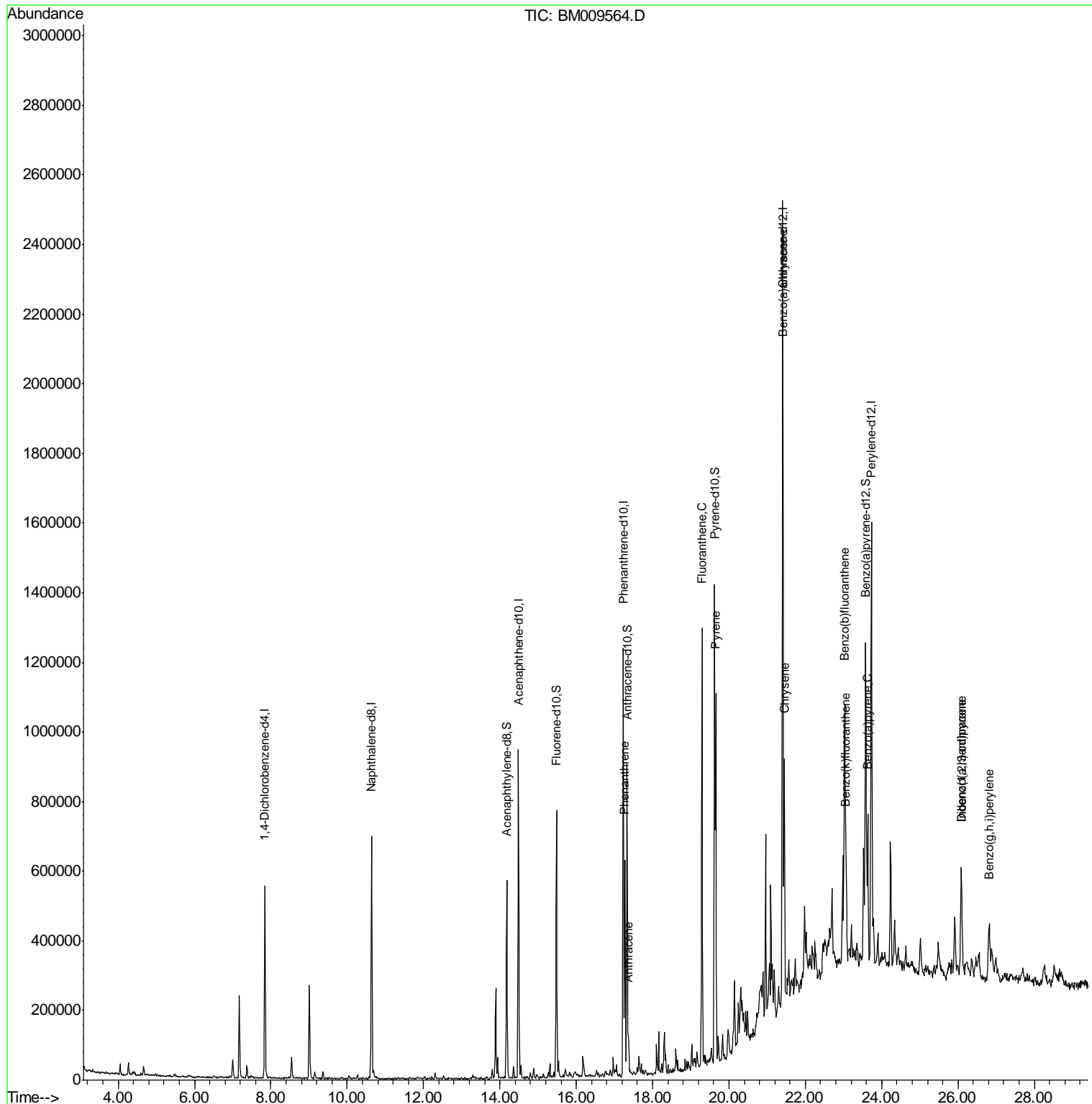
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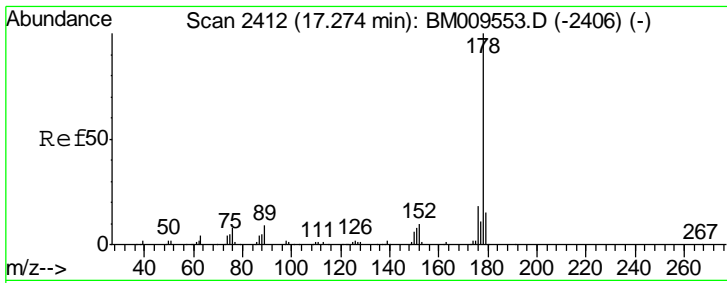
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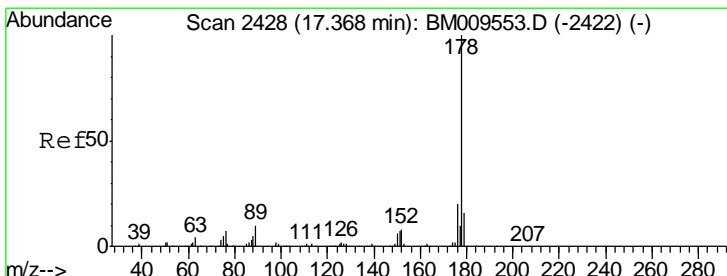
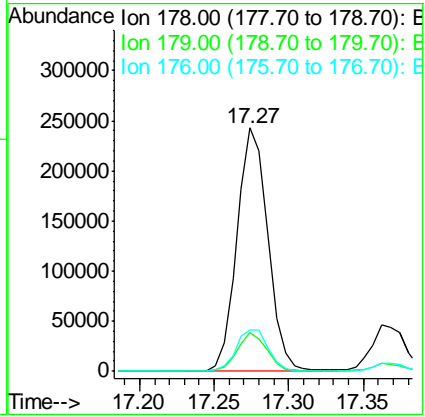
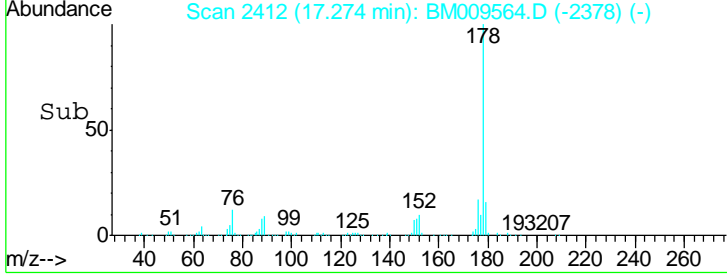
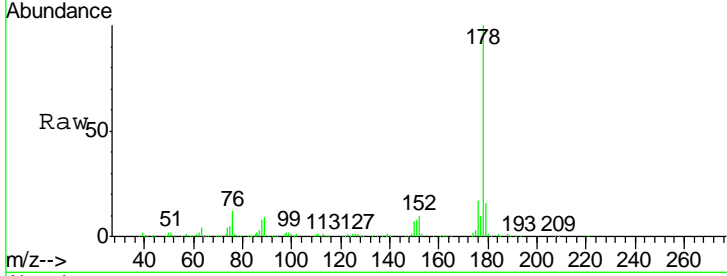


#14  
 Phenanthrene  
 Concen: 9.32 ng/ul  
 RT: 17.27 min Scan# 2412  
 Delta R.T. -0.00 min  
 Lab File: BM009564.D  
 Acq: 05 Apr 2017 18:58

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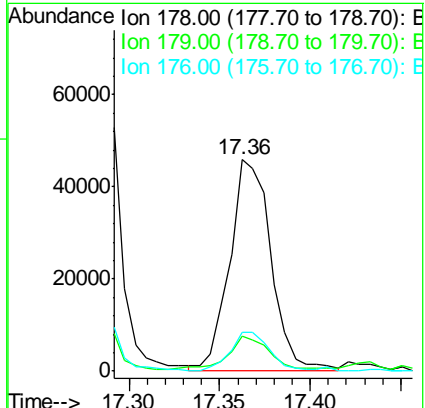
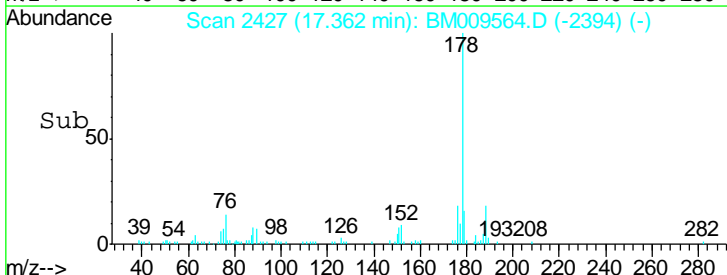
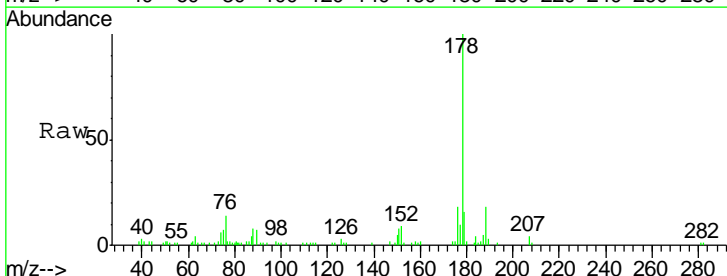
Tgt Ion	Resp	Lower	Upper
178	350205		
179	15.7	12.2	18.4
176	17.0	16.4	24.6

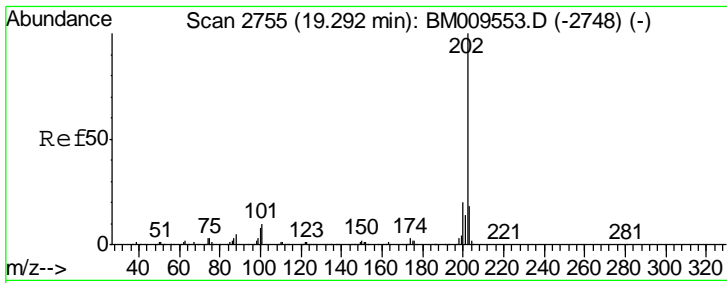
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#16  
 Anthracene  
 Concen: 1.88 ng/ul  
 RT: 17.36 min Scan# 2427  
 Delta R.T. -0.01 min  
 Lab File: BM009564.D  
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Tgt Ion	Resp	Lower	Upper
178	73160		
179	16.4	12.7	19.1
176	18.5	15.8	23.8





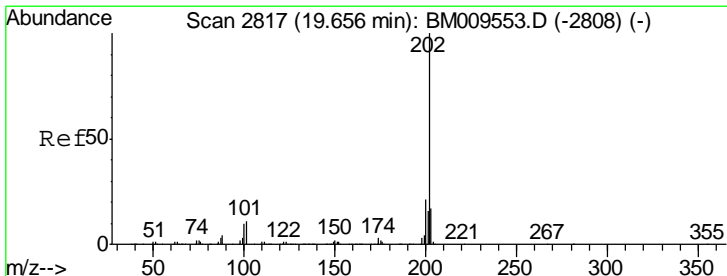
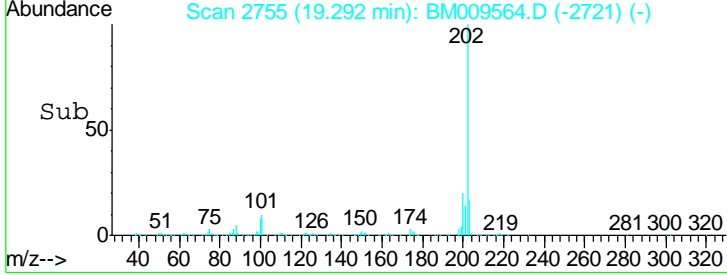
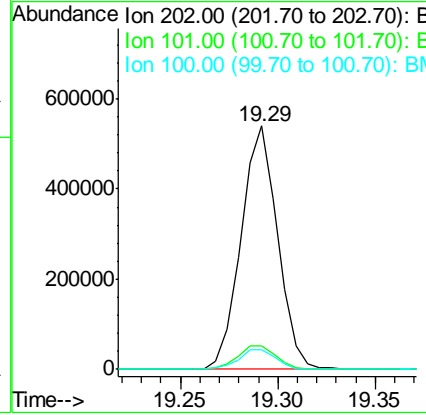
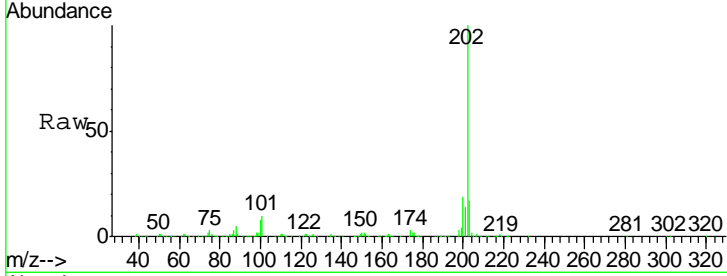
#17  
 Fluoranthene  
 Concen: 14.93 ng/ul  
 RT: 19.29 min Scan# 2755  
 Delta R.T. -0.00 min  
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	9.8	14.8#
100	8.1	7.5	11.3

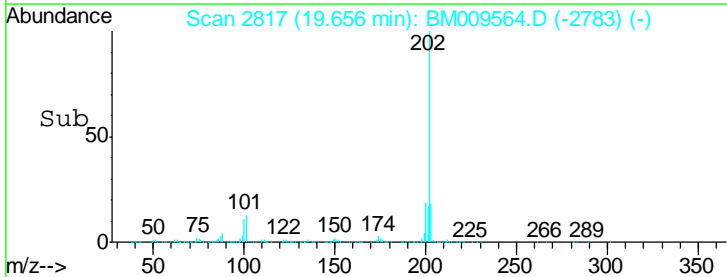
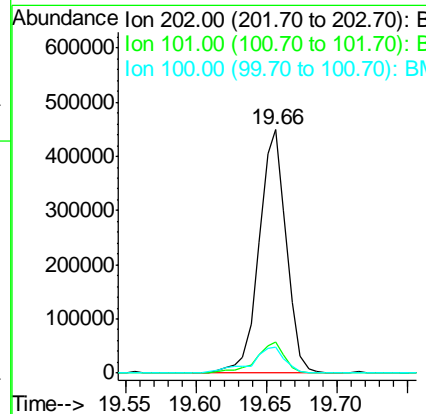
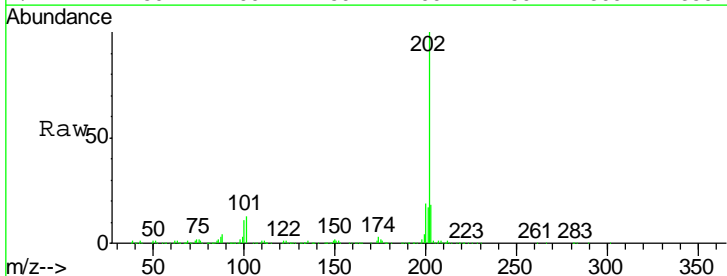
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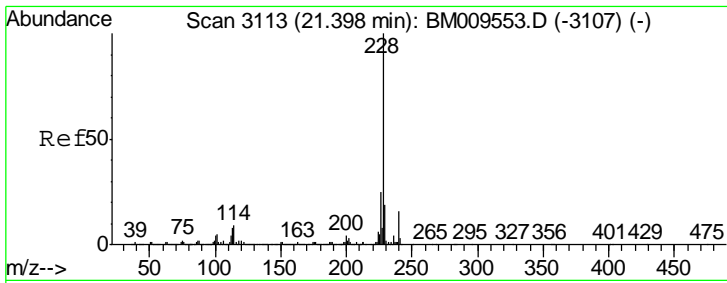
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#20  
 Pyrene  
 Concen: 11.69 ng/ul  
 RT: 19.66 min Scan# 2817  
 Delta R.T. -0.00 min  
 Lab File: BM009564.D  
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	11.2	16.8
100	10.6	9.8	14.6



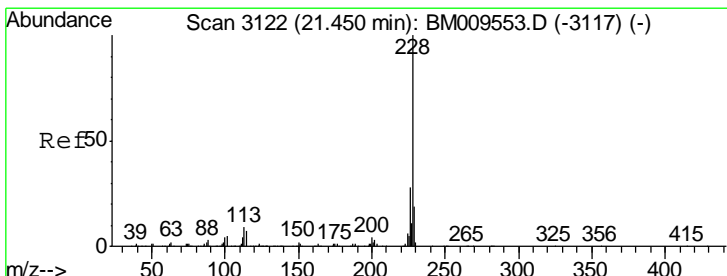
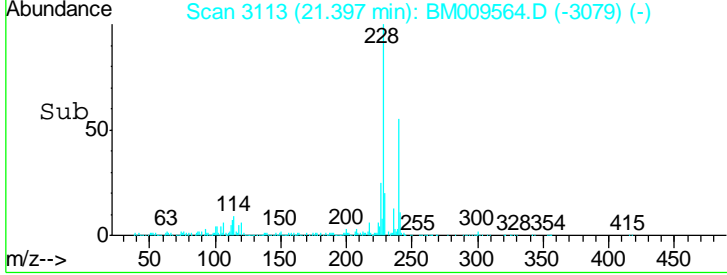
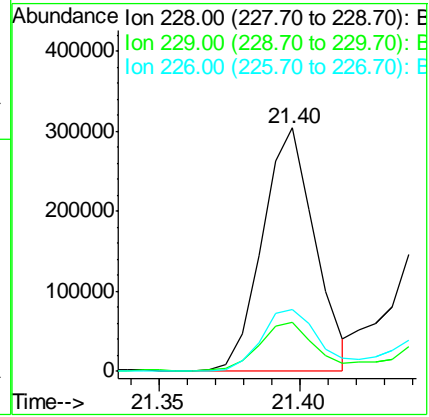
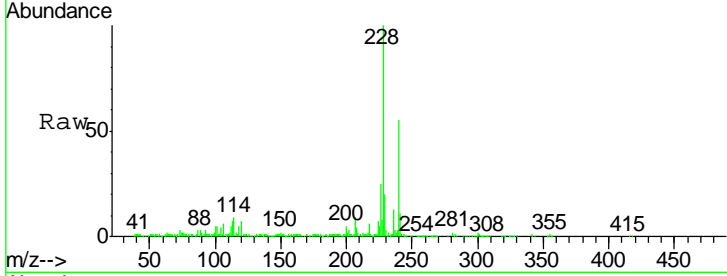


#21  
 Benzo(a)anthracene  
 Concen: 7.19 ng/ul  
 RT: 21.40 min Scan# 3113  
 Delta R.T. -0.00 min  
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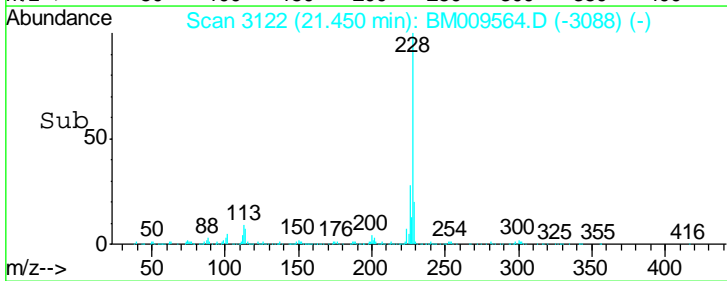
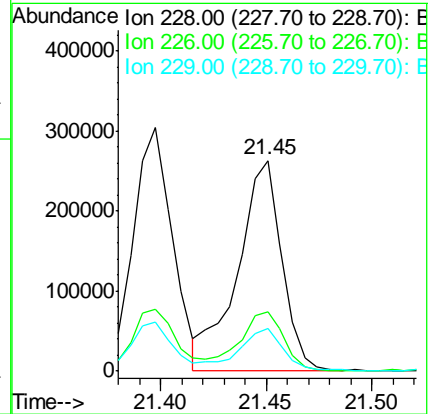
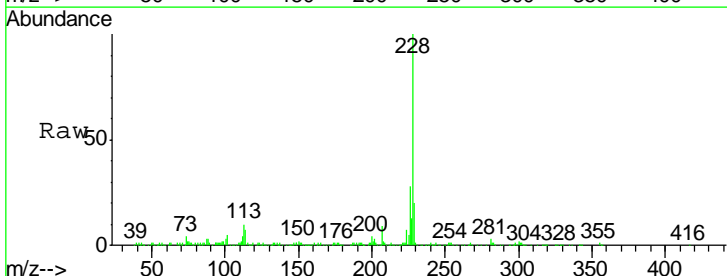
Tgt Ion	Resp	Lower	Upper
228	100		
229	20.2	15.9	23.9
226	25.3	22.1	33.1

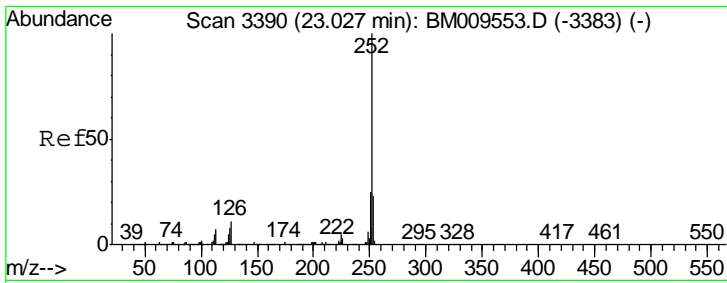
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#22  
 Chrysene  
 Concen: 7.67 ng/ul  
 RT: 21.45 min Scan# 3122  
 Delta R.T. -0.00 min  
 Lab File: BM009564.D  
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Tgt Ion	Resp	Lower	Upper
228	100		
226	28.0	25.0	37.6
229	20.1	16.6	25.0



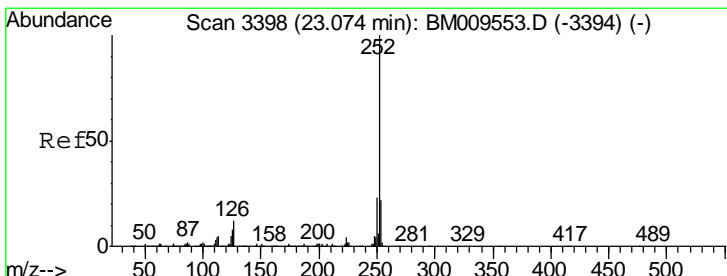
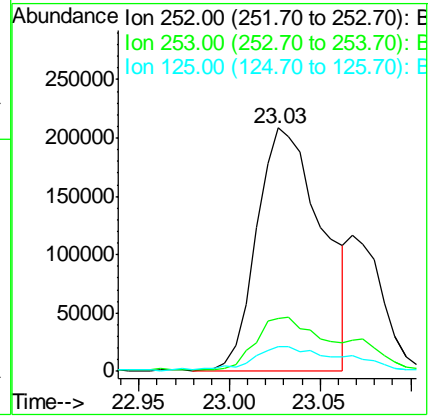
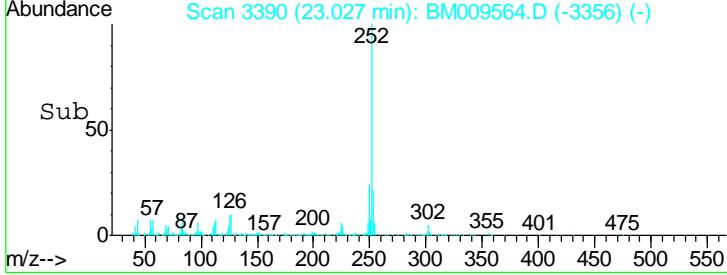
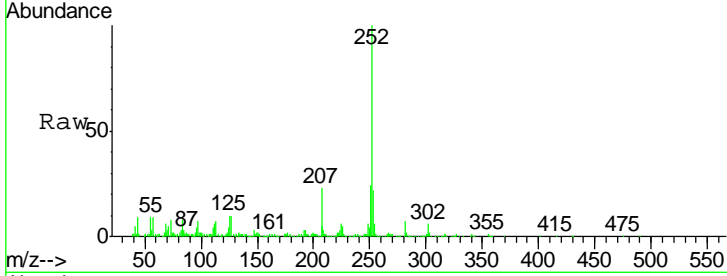


#24  
 Benzo(b)fluoranthene  
 Concen: 8.93 ng/ul  
 RT: 23.03 min Scan# 3390  
 Delta R.T. -0.00 min  
 Lab File: BM009564.D  
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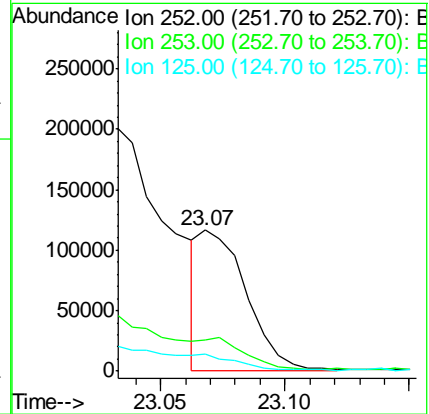
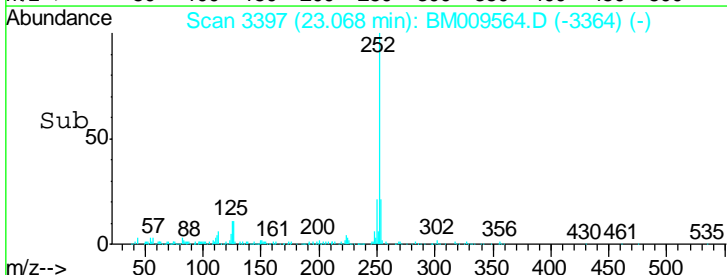
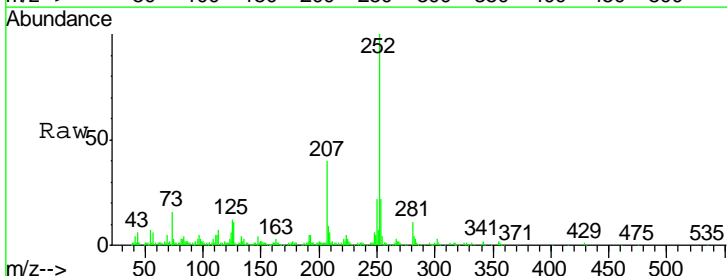
Tgt Ion	Resp	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	10.2	9.4	14.0

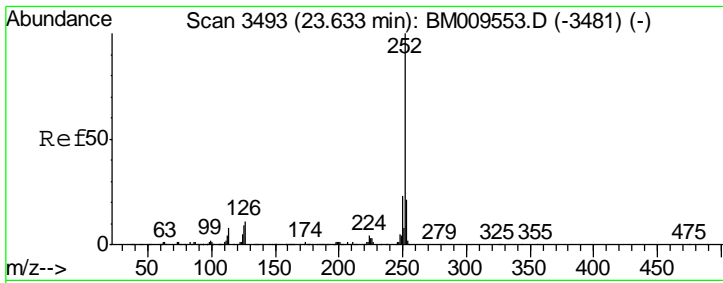
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#25  
 Benzo(k)fluoranthene  
 Concen: 2.78 ng/ul m  
 RT: 23.07 min Scan# 3397  
 Delta R.T. -0.01 min  
 Lab File: BM009564.D  
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Tgt Ion	Resp	Lower	Upper
252	100		
253	22.5	17.4	26.2
125	11.7	8.8	13.2





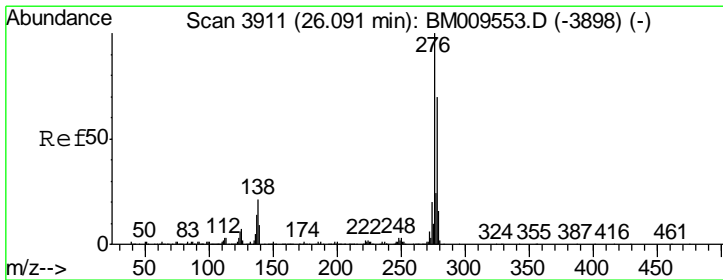
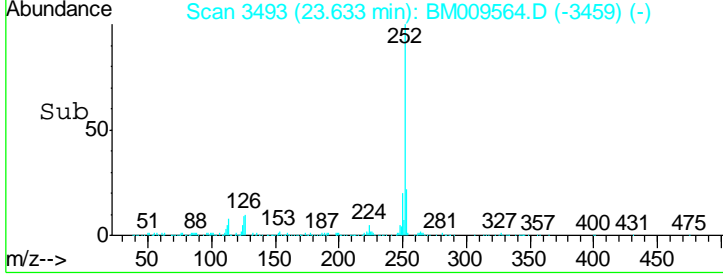
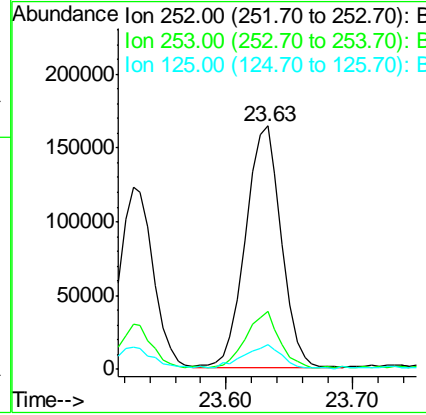
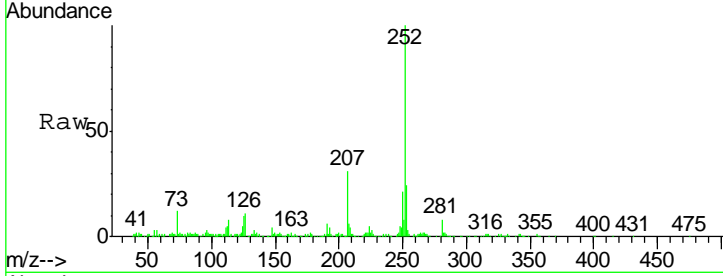
#27  
 Benzo(a)pyrene  
 Concen: 5.79 ng/ul  
 RT: 23.63 min Scan# 3493  
 Delta R.T. -0.00 min  
 Lab File: BM009564.D  
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Tgt Ion	Resp	Lower	Upper
252	319691		
253	23.9	17.1	25.7
125	10.0	9.4	14.2

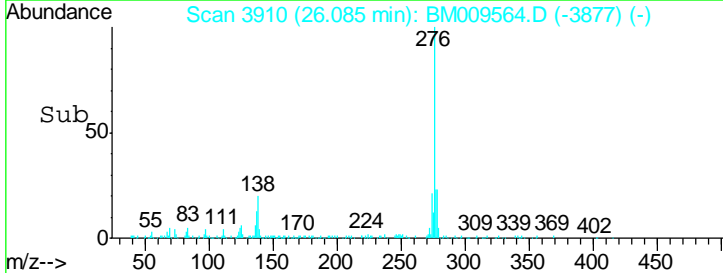
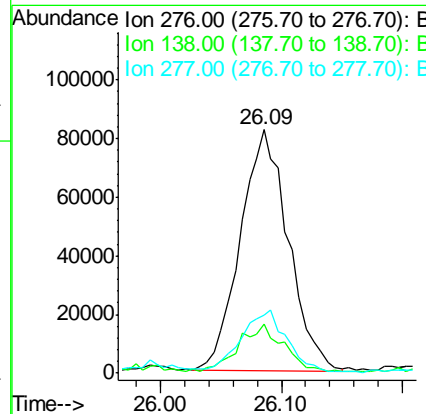
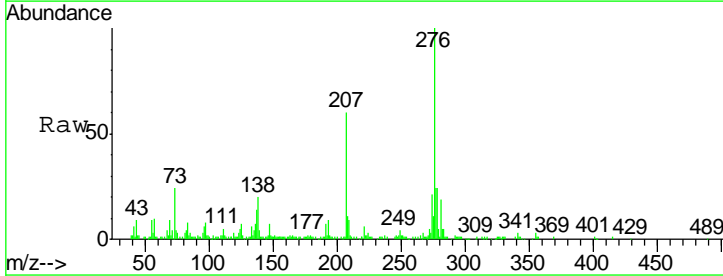
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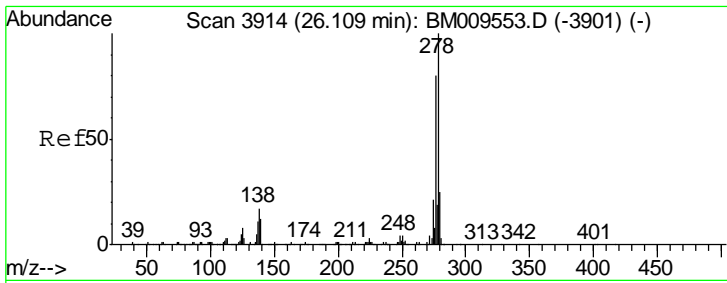
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#28  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.68 ng/ul  
 RT: 26.09 min Scan# 3910  
 Delta R.T. -0.01 min  
 Lab File: BM009564.D  
 Acq: 05 Apr 2017 18:58

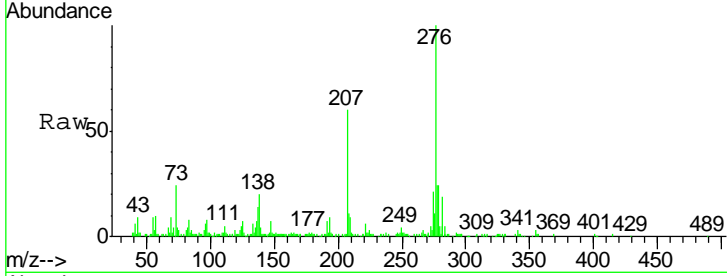
Tgt Ion	Resp	Lower	Upper
276	228030		
138	20.2	17.8	26.6
277	23.6	19.4	29.0





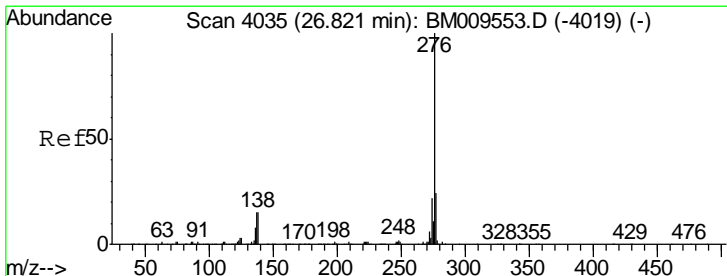
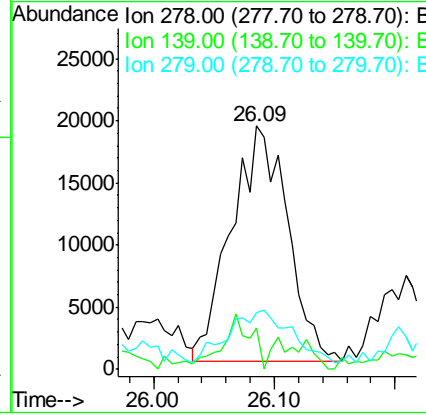
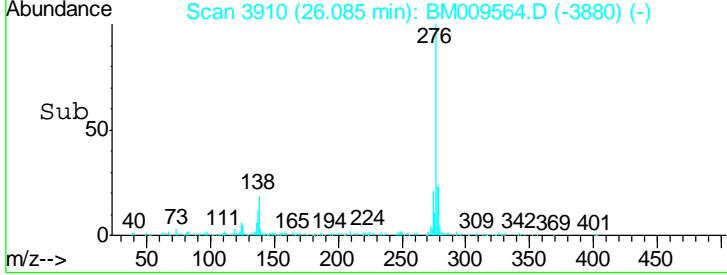
#29  
 Dibenzo(a,h)anthracene  
 Concen: 1.17 ng/ul  
 RT: 26.09 min Scan# 3910  
 Delta R.T. -0.02 min  
 Lab File: BM009564.D  
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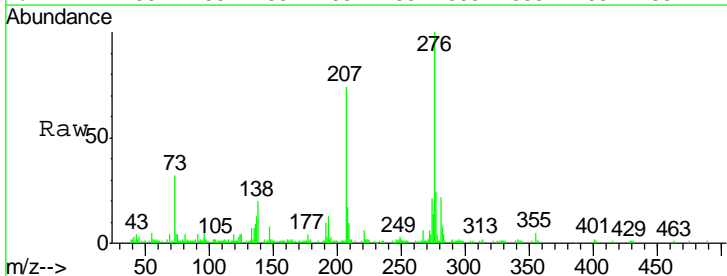


Tgt Ion	Resp	Lower	Upper
278	61342		
278	100		
139	16.9	14.0	21.0
279	23.3	20.6	31.0

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#30  
 Benzo(g,h,i)perylene  
 Concen: 3.97 ng/ul  
 RT: 26.81 min Scan# 4034  
 Delta R.T. -0.01 min  
 Lab File: BM009564.D  
 Acq: 05 Apr 2017 18:58



Tgt Ion	Resp	Lower	Upper
276	202732		
276	100		
138	20.1	19.0	28.4
277	24.5	19.7	29.5

