

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM082915\  
 Data File : BM002577.D  
 Acq On : 29 Aug 2015 22:45  
 Operator : UM/IZ  
 Sample : G3455-15  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

**Instrument :**  
 BNA\_M  
**ClientSampleId :**  
 D9E80

**Manual Integrations**  
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Quant Time: Aug 31 01:38:50 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM081415MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 31 01:34:36 2015  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	158576	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	667159	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	288324	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.07	188	499638	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	479873	20.00	ng/ul	0.00
22) Perylene-d12	24.79	264	502094	20.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.07	160	485484	16.47	ng/ul	0.00
10) Fluorene-d10	16.34	176	300634	14.52	ng/ul	0.00
14) Anthracene-d10	18.17	188	375802	15.59	ng/ul	0.00
18) Pyrene-d10	20.40	212	335002	15.75	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.61	264	282105	10.70	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Phenanthrene	18.12	178	63697	2.21	ng/ul	99
16) Fluoranthene	20.07	202	164516	5.04	ng/ul	97
19) Pyrene	20.43	202	149983	5.34	ng/ul	98
20) Benzo(a)anthracene	22.14	228	105567	3.68	ng/ul#	95
21) Chrysene	22.20	228	114037	4.25	ng/ul#	93
23) Benzo(b)fluoranthene	23.97	252	166047	5.47	ng/ul#	88
24) Benzo(k)fluoranthene	24.01	252	53295m	1.85	ng/ul	
26) Benzo(a)pyrene	24.67	252	128506	4.43	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	27.56	276	111769	3.35	ng/ul	98
28) Dibenzo(a,h)anthracene	27.53	278	66595	2.39	ng/ul#	73
29) Benzo(g,h,i)perylene	28.43	276	201542	7.26	ng/ul	96

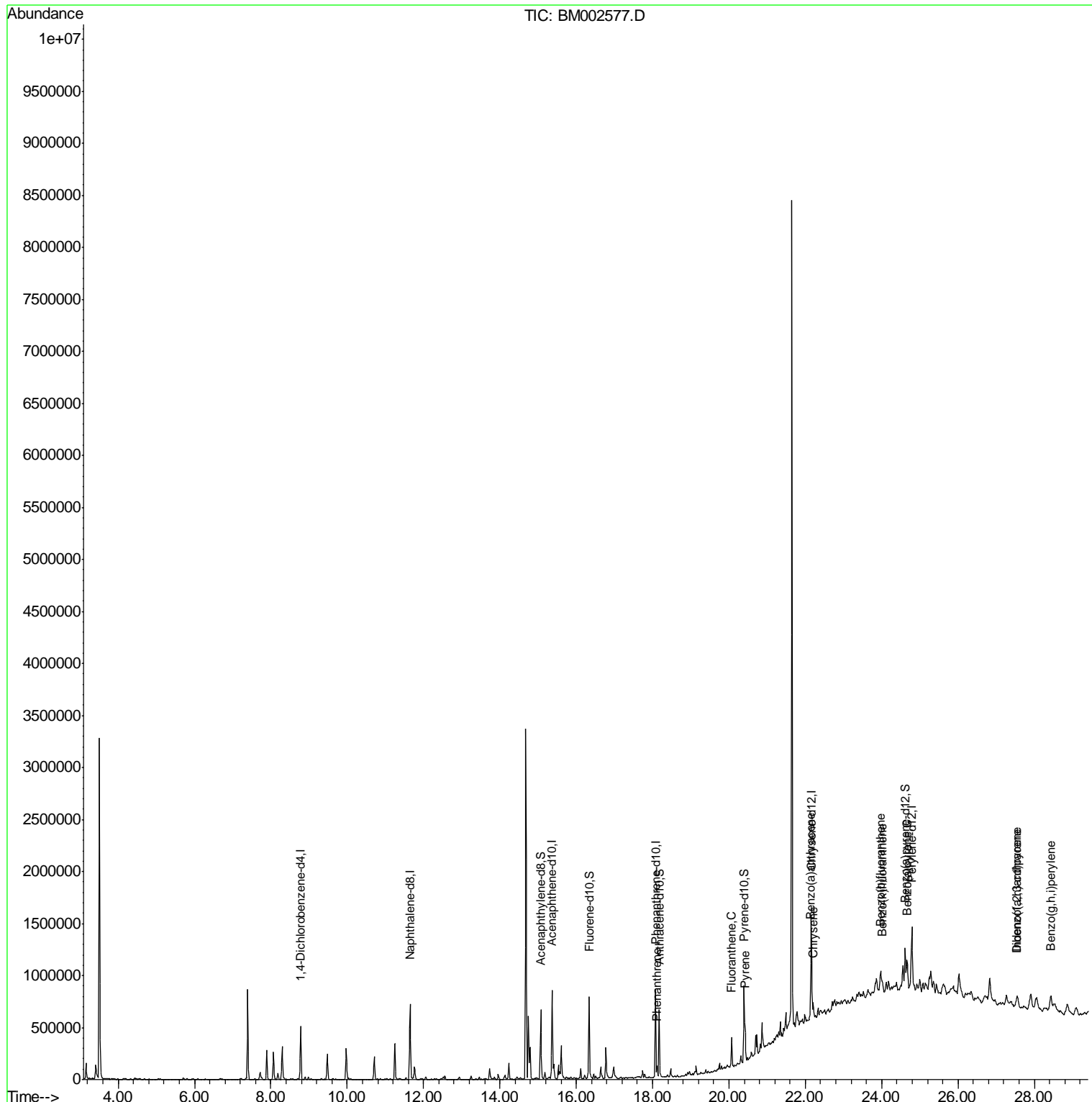
(#) = qualifier out of range (m) = manual integration (+) = signals summed

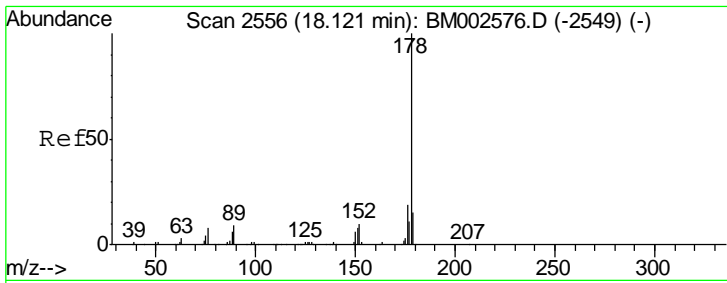
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM082915\  
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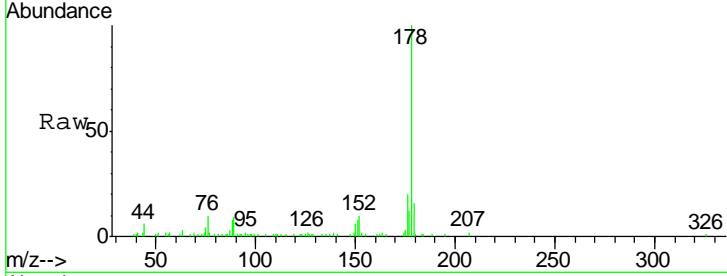
Quant Time: Aug 31 01:38:50 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM081415MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 31 01:34:36 2015  
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#13  
 Phenanthrene  
 Concen: 2.21 ng/ul  
 RT: 18.12 min Scan# 2555  
 Delta R.T. -0.01 min  
 Lab File: BM002577.D  
 Acq: 29 Aug 2015 22:45

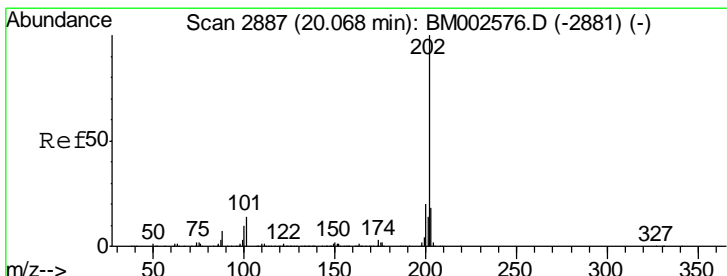
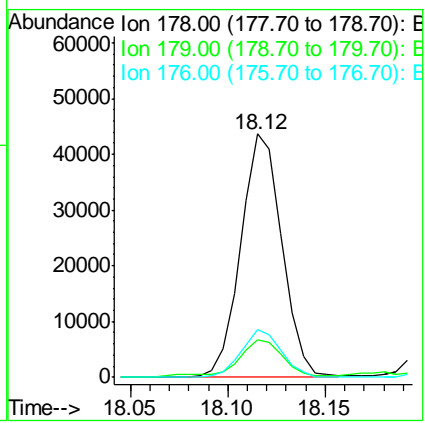
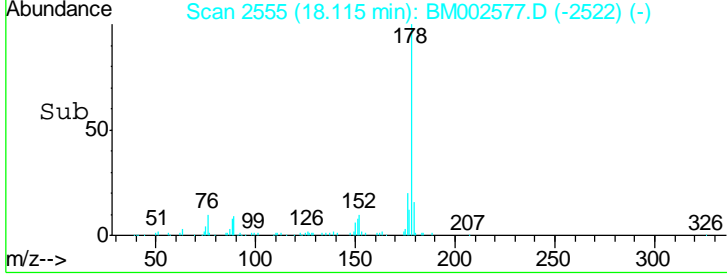
Instrument :  
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 ClientSampled :  
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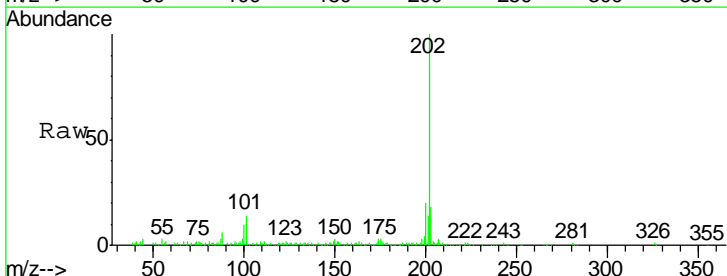
Tgt Ion: 178 Resp: 63697

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6
176	19.8	15.1	22.7

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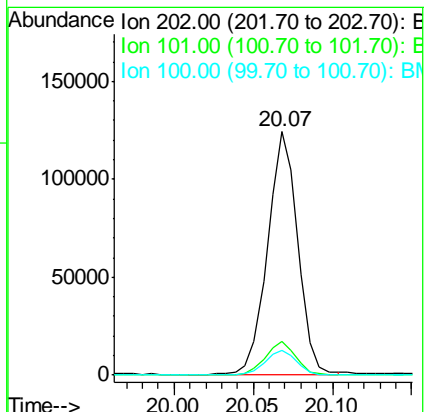
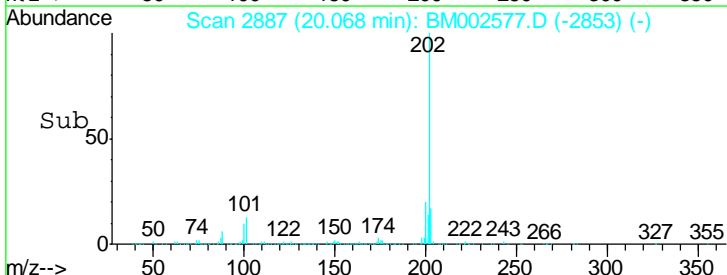


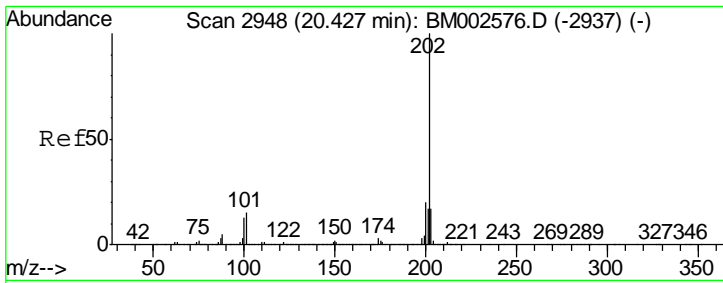
#16  
 Fluoranthene  
 Concen: 5.04 ng/ul  
 RT: 20.07 min Scan# 2887  
 Delta R.T. -0.00 min  
 Lab File: BM002577.D  
 Acq: 29 Aug 2015 22:45



Tgt Ion: 202 Resp: 164516

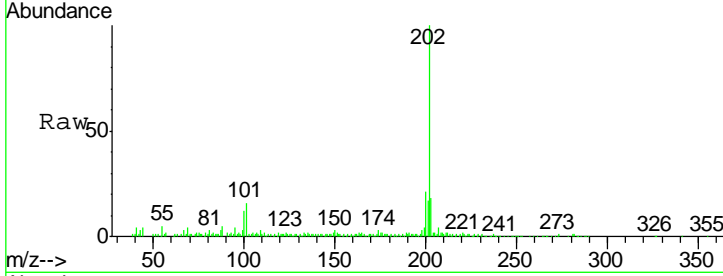
Ion	Ratio	Lower	Upper
202	100		
101	13.7	9.7	14.5
100	9.9	7.4	11.2





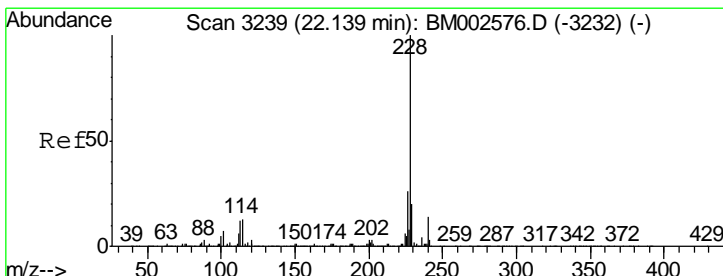
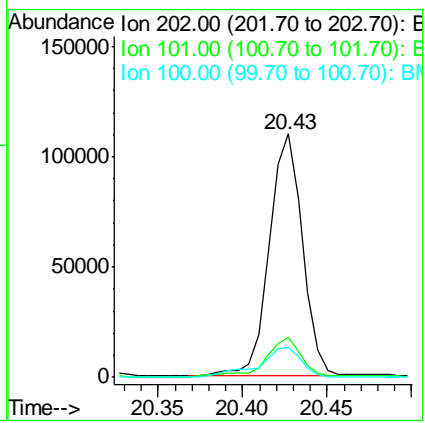
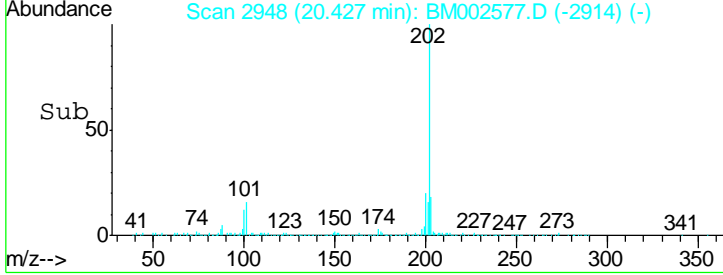
#19  
 Pyrene  
 Concen: 5.34 ng/ul  
 RT: 20.43 min Scan# 2948  
 Delta R.T. -0.00 min  
 Lab File: BM002577.D  
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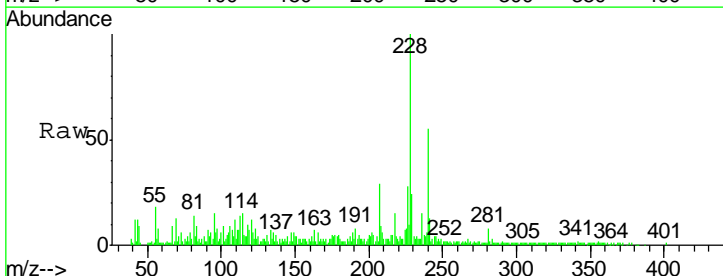


Tgt Ion	Resp	Lower	Upper
202	149983		
101	16.5	12.0	18.0
100	12.2	9.7	14.5

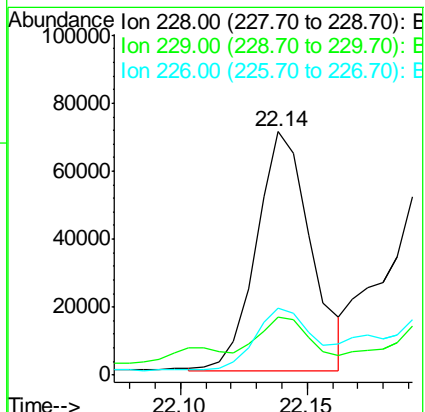
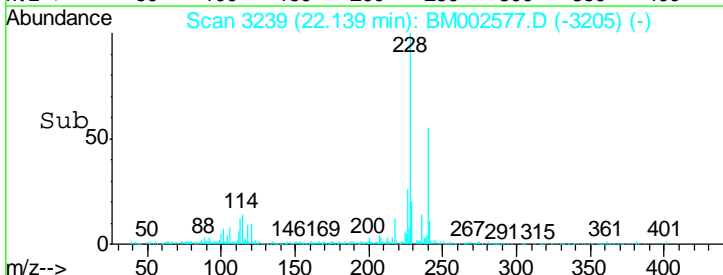
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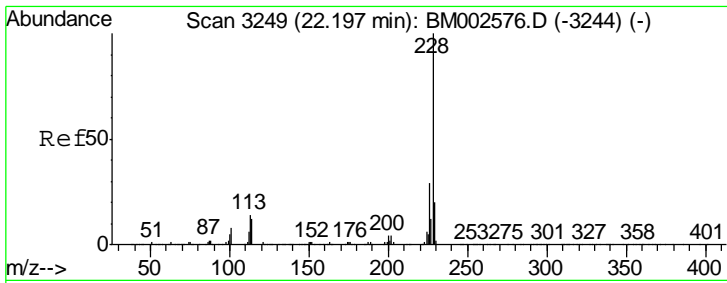


#20  
 Benzo(a)anthracene  
 Concen: 3.68 ng/ul  
 RT: 22.14 min Scan# 3239  
 Delta R.T. -0.00 min  
 Lab File: BM002577.D  
 Acq: 29 Aug 2015 22:45



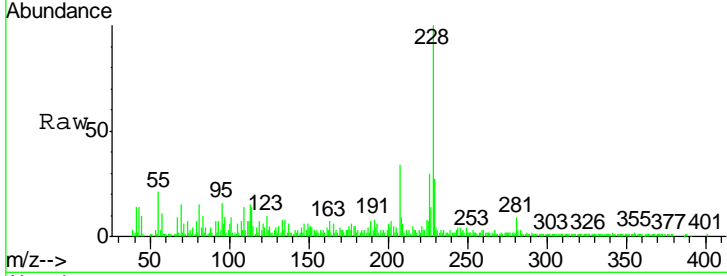
Tgt Ion	Resp	Lower	Upper
228	105567		
229	23.9	15.8	23.6#
226	27.7	21.1	31.7





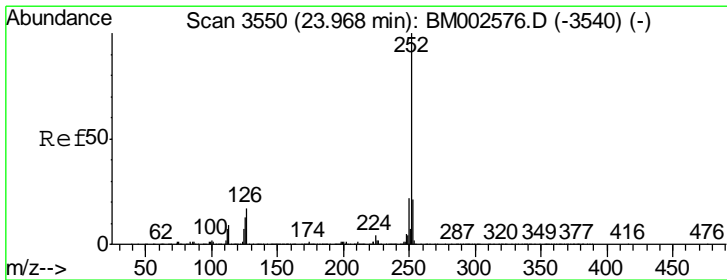
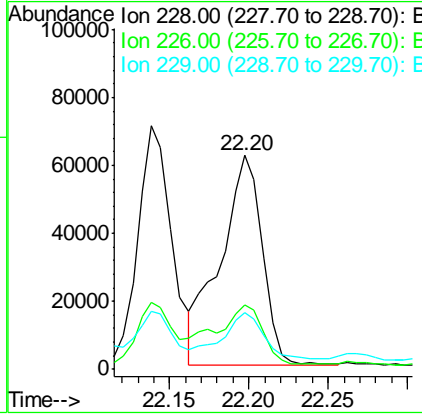
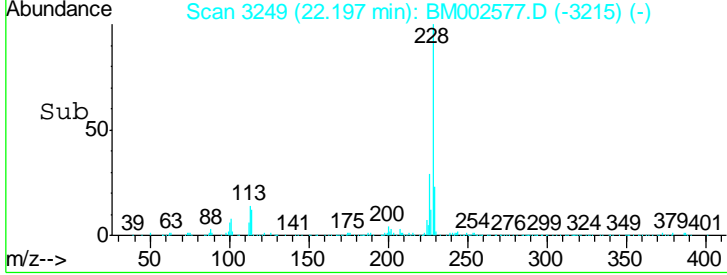
#21  
 Chrysene  
 Concen: 4.25 ng/ul  
 RT: 22.20 min Scan# 3249  
 Delta R.T. -0.00 min  
 Lab File: BM002577.D  
 Acq: 29 Aug 2015 22:45

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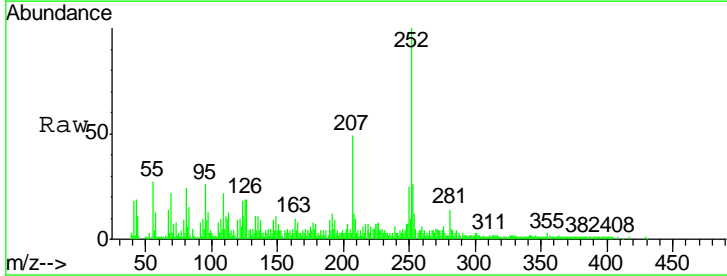


Tgt Ion	Resp	Lower	Upper
228	114037		
226	30.2	23.4	35.2
229	26.6	15.7	23.5#

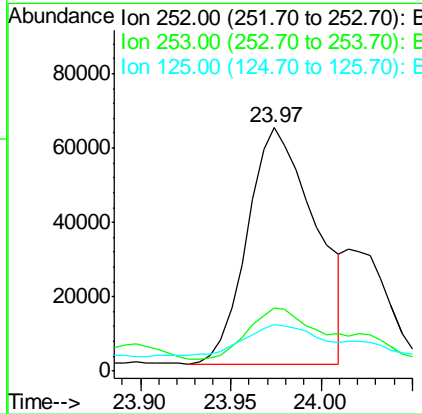
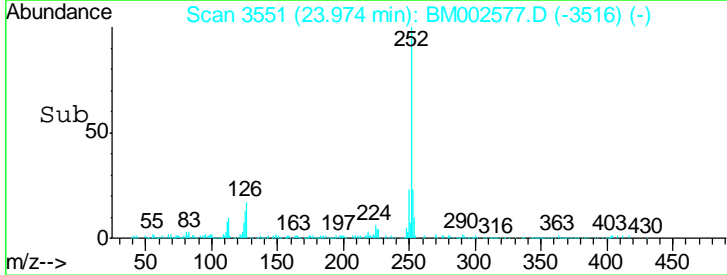
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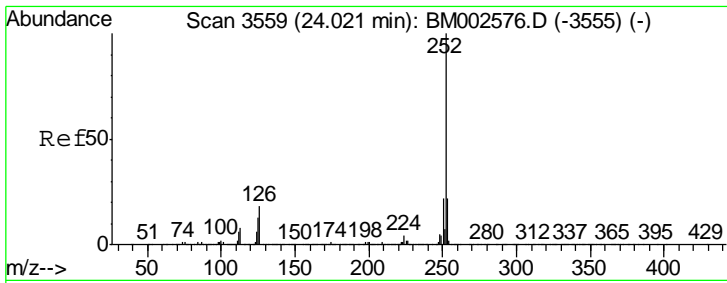


#23  
 Benzo(b)fluoranthene  
 Concen: 5.47 ng/ul  
 RT: 23.97 min Scan# 3551  
 Delta R.T. 0.01 min  
 Lab File: BM002577.D  
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Tgt Ion	Resp	Lower	Upper
252	166047		
253	26.1	17.4	26.0#
125	19.0	10.0	15.0#



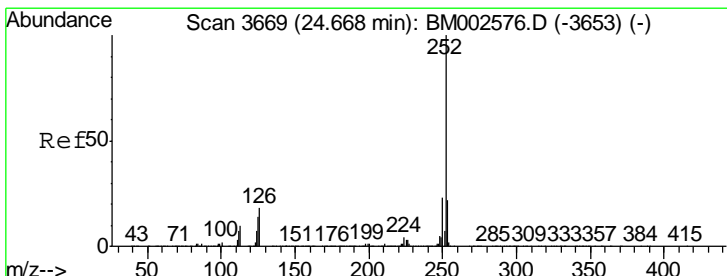
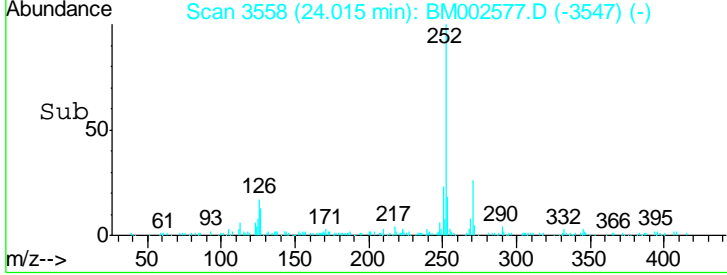
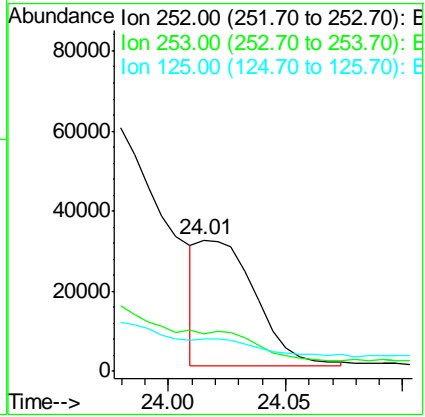
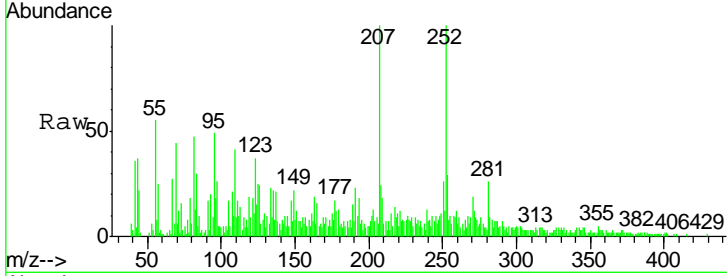


#24  
 Benzo(k)fluoranthene  
 Concen: 1.85 ng/ul m  
 RT: 24.01 min Scan# 3558  
 Delta R.T. -0.01 min  
 Lab File: BM002577.D  
 Acq: 29 Aug 2015 22:45

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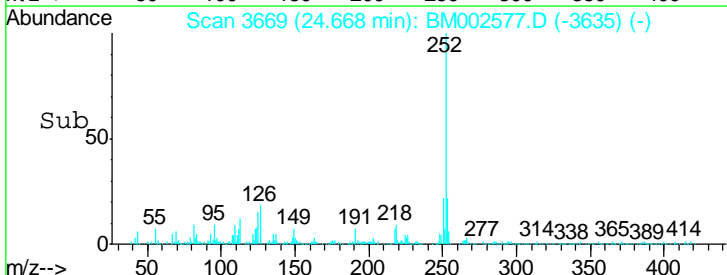
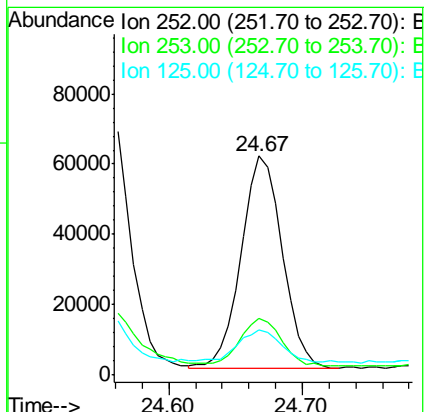
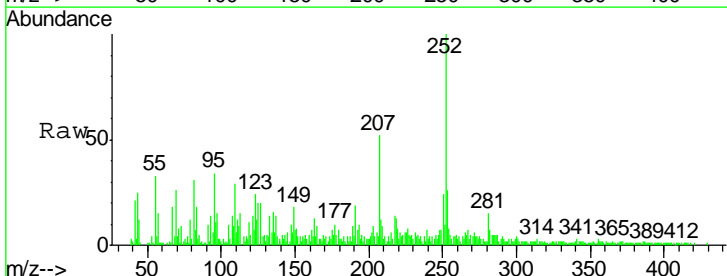
Tgt Ion	Resp	Lower	Upper
252	53295		
252	100		
253	28.7	17.8	26.6#
125	24.9	9.8	14.8#

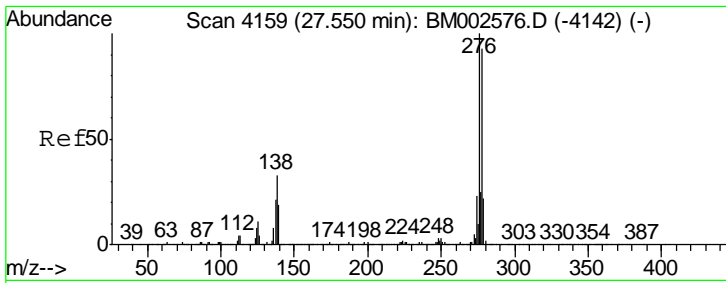
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#26  
 Benzo(a)pyrene  
 Concen: 4.43 ng/ul  
 RT: 24.67 min Scan# 3669  
 Delta R.T. -0.00 min  
 Lab File: BM002577.D  
 Acq: 29 Aug 2015 22:45

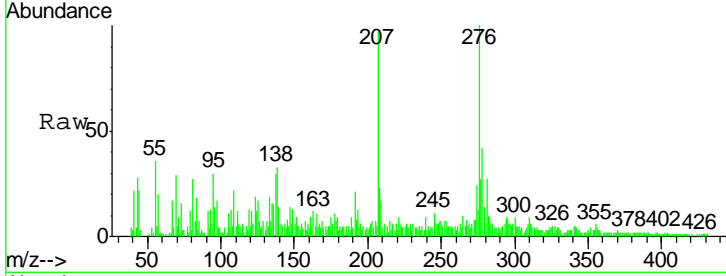
Tgt Ion	Resp	Lower	Upper
252	128506		
252	100		
253	25.8	17.6	26.4
125	20.4	10.7	16.1#





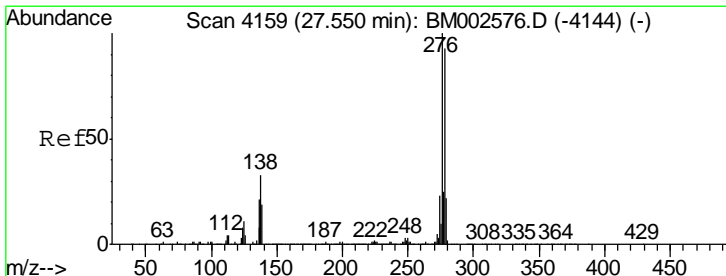
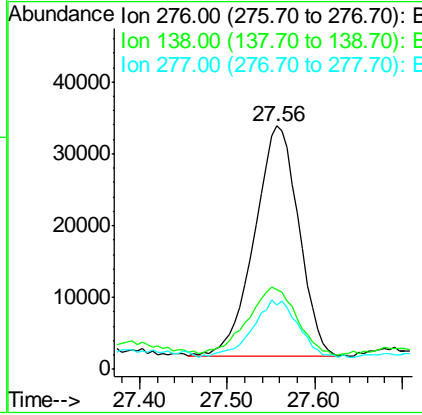
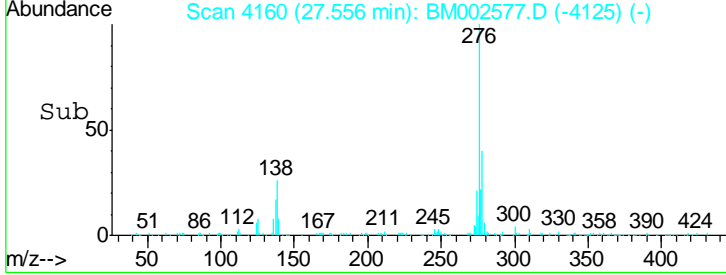
#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.35 ng/ul  
 RT: 27.56 min Scan# 4160  
 Delta R.T. 0.01 min  
 Lab File: BM002577.D  
 Acq: 29 Aug 2015 22:45

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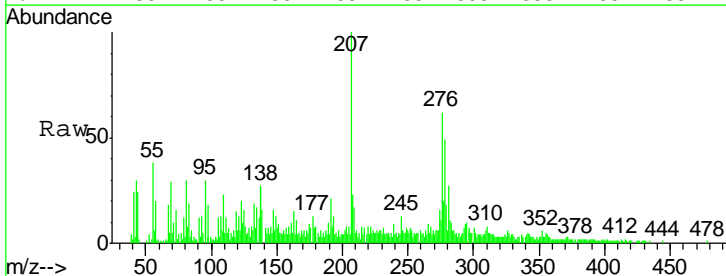


Tgt Ion	Resp	Lower	Upper
276	111769		
138	32.8	25.3	37.9
277	26.6	20.2	30.2

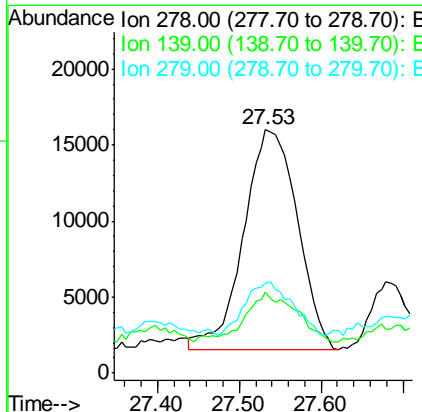
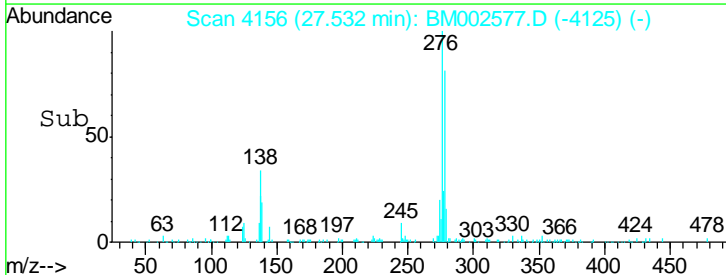
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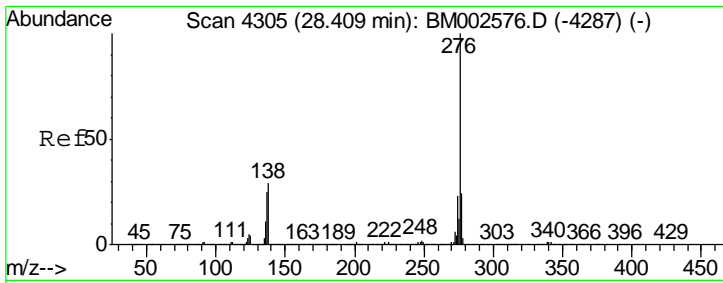


#28  
 Dibenzo(a,h)anthracene  
 Concen: 2.39 ng/ul  
 RT: 27.53 min Scan# 4156  
 Delta R.T. -0.02 min  
 Lab File: BM002577.D  
 Acq: 29 Aug 2015 22:45



Tgt Ion	Resp	Lower	Upper
278	66595		
278	100		
139	33.3	16.5	24.7#
279	36.8	18.8	28.2#





#29  
 Benzo(g,h,i)perylene  
 Concen: 7.26 ng/ul  
 RT: 28.43 min Scan# 4309  
 Delta R.T. 0.02 min  
 Lab File: BM002577.D  
 Acq: 29 Aug 2015 22:45

**Instrument :**  
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 D9E80

Tgt Ion	Resp	Lower	Upper
276	201542		
138	28.7	21.0	31.6
277	25.8	19.2	28.8

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