

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM061516\  
 Data File : BM005798.D  
 Acq On : 14 Jun 2016 23:19  
 Operator : UM/SJ  
 Sample : H3565-06  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 D9XZ9

Manual Integrations  
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Quant Time: Jun 15 02:03:24 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM061516.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jun 15 01:42:36 2016  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	75212	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	389409	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	233139	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.13	188	424244	20.00	ng/ul	0.00
29) Chrysene-d12	21.32	240	384373	20.00	ng/ul	0.00
34) Perylene-d12	23.57	264	404087	20.00	ng/ul	0.00

## System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	3936	2.42	ng/uL	0.00
3) Phenol-d5	6.92	99	140143	22.68	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.07	67	105043	28.57	ng/ul	0.00
5) 2-Chlorophenol-d4	7.27	132	139048	27.02	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	93822	17.98	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	73644	26.71	ng/ul	0.00
9) 2-Nitrophenol-d4	9.62	143	86142	28.11	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.16	165	146253	24.95	ng/ul	0.00
12) 4-Chloroaniline-d4	10.67	131	157041	24.38	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	489983	26.48	ng/ul	0.00
17) Acenaphthylene-d8	14.08	160	613842	26.11	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	35596m	16.73	ng/ul	0.01
21) Fluorene-d10	15.38	176	393764	25.54	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	32361	17.05	ng/ul	0.00
26) Anthracene-d10	17.23	188	494013	25.10	ng/ul	0.00
30) Pyrene-d10	19.53	212	466356	24.93	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.43	264	467372	25.04	ng/ul	0.00

## Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Phenanthrene	17.17	178	187605	8.06	ng/ul	99
27) Anthracene	17.26	178	25154	1.09	ng/ul	98
28) Fluoranthene	19.19	202	297516	12.01	ng/ul	100
31) Pyrene	19.55	202	231716	9.82	ng/ul	99
32) Benzo(a)anthracene	21.30	228	113909	5.12	ng/ul	98
33) Chrysene	21.35	228	138066	6.34	ng/ul	97
35) Benzo(b)fluoranthene	22.89	252	191542	7.94	ng/ul	97
36) Benzo(k)fluoranthene	22.93	252	63886m	2.86	ng/ul	
38) Benzo(a)pyrene	23.47	252	120558	5.23	ng/ul	100
39) Indeno(1,2,3-cd)pyrene	25.85	276	94491	3.57	ng/ul	95
40) Dibenzo(a,h)anthracene	25.85	278	23436	1.06	ng/ul#	77
41) Benzo(g,h,i)perylene	26.55	276	86310	3.77	ng/ul	97

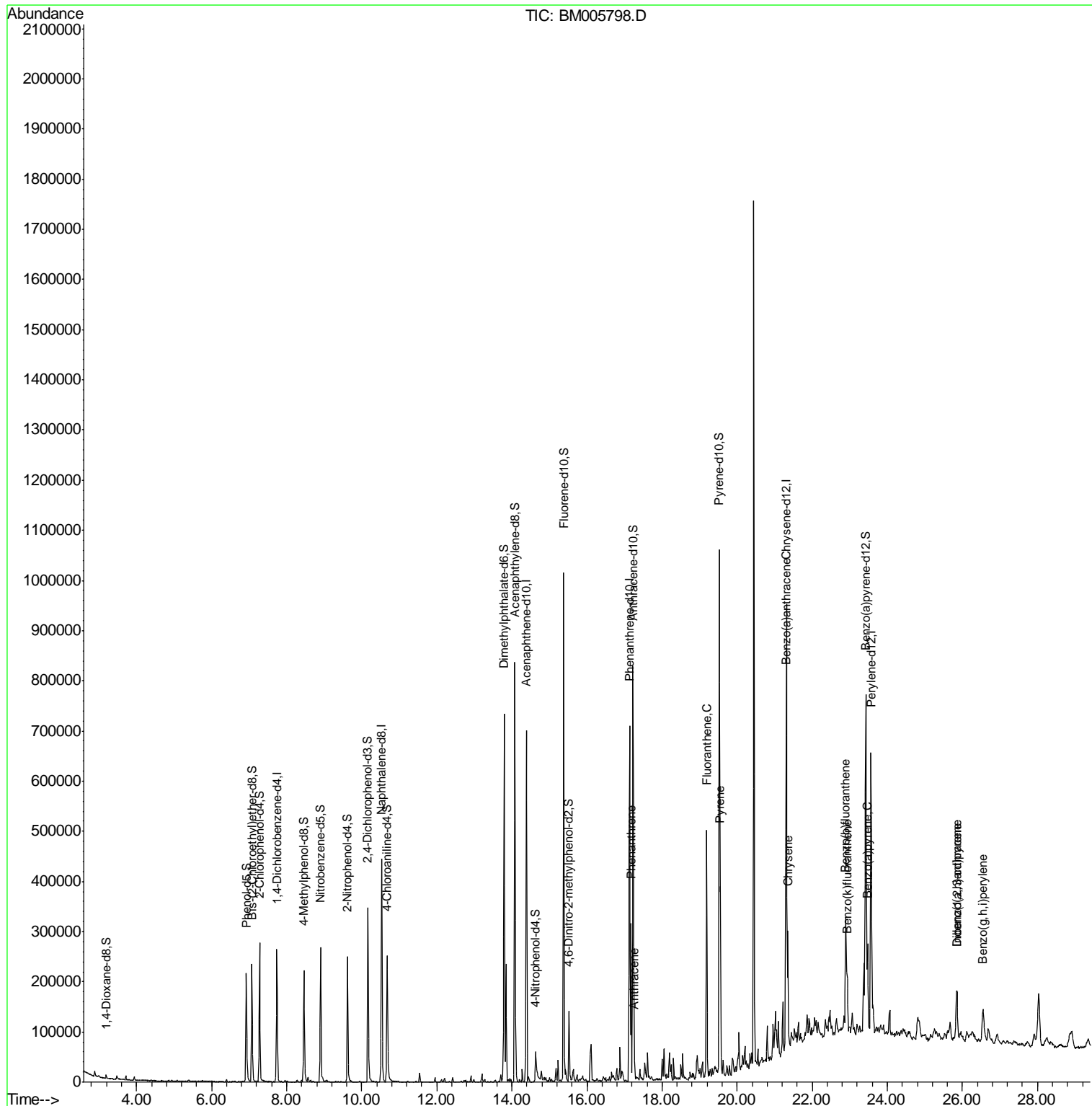
(#) = qualifier out of range (m) = manual integration (+) = signals summed

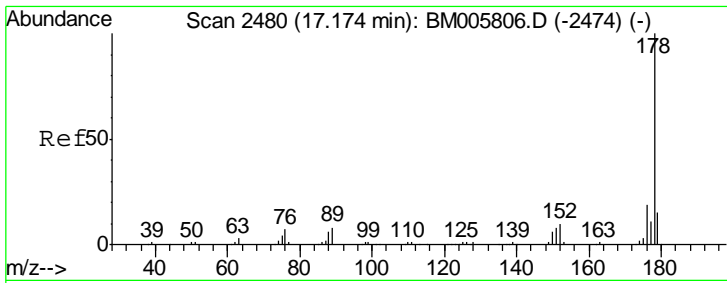
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM061516\  
 Data File : BM005798.D  
 Acq On : 14 Jun 2016 23:19  
 Operator : UM/SJ  
 Sample : H3565-06  
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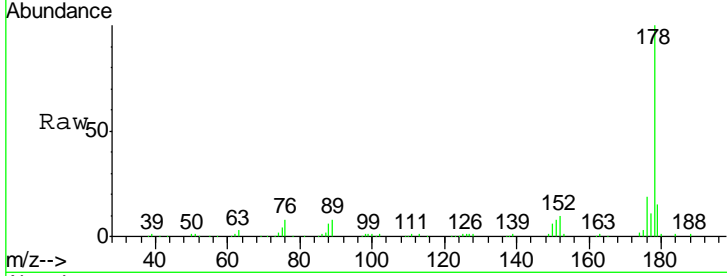
Quant Time: Jun 15 02:03:24 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM061516.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jun 15 01:42:36 2016  
 Response via : Initial Calibration





#25  
 Phenanthrene  
 Concen: 8.06 ng/ul  
 RT: 17.17 min Scan# 2480  
 Delta R.T. -0.00 min  
 Lab File: BM005798.D  
 Acq: 14 Jun 2016 23:19

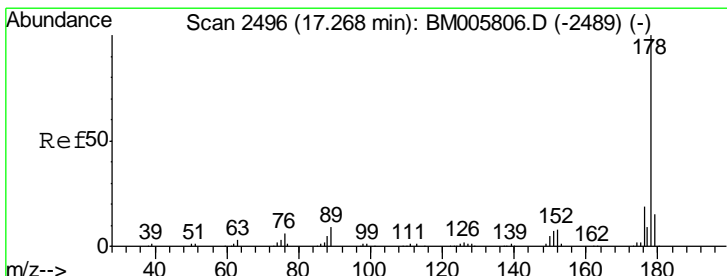
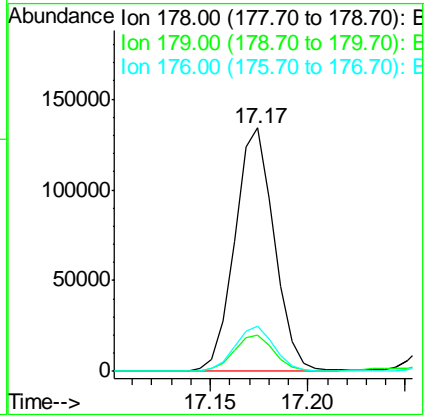
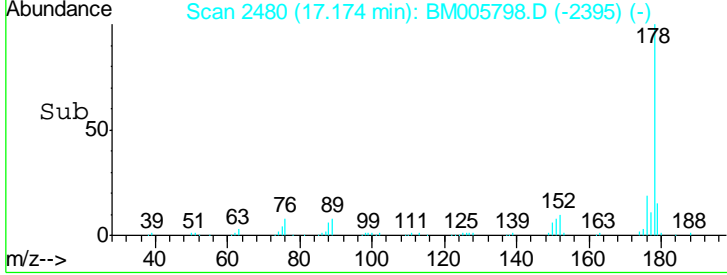
Instrument :  
 BNA\_M  
 ClientSampled :  
 D9XZ9



Tgt Ion:178 Resp: 187605

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.2	18.2
176	18.7	15.3	22.9

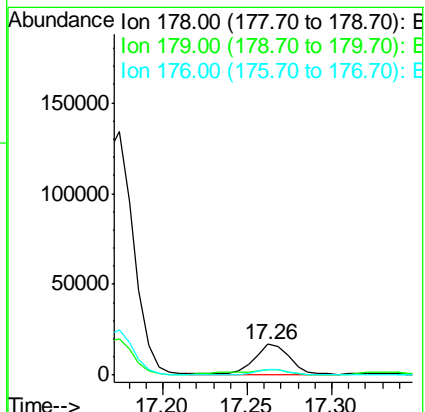
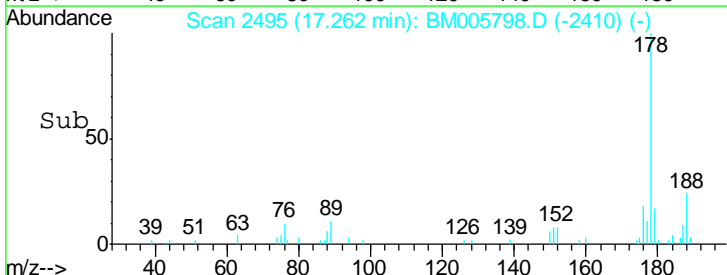
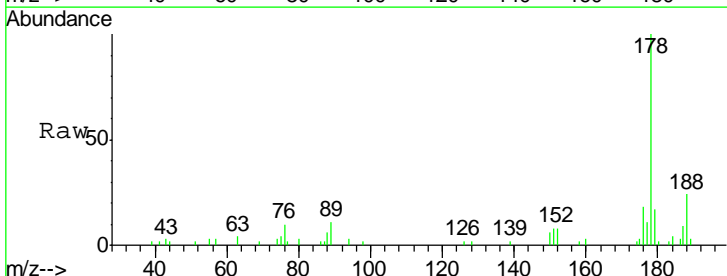
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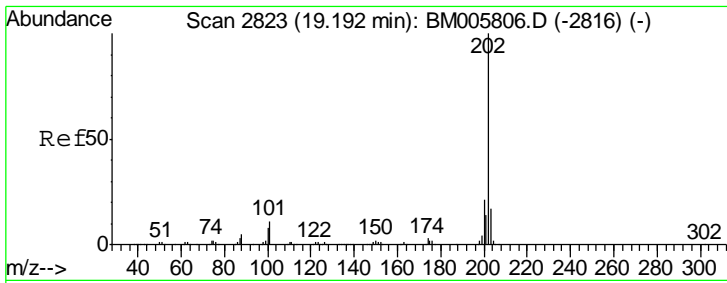


#27  
 Anthracene  
 Concen: 1.09 ng/ul  
 RT: 17.26 min Scan# 2495  
 Delta R.T. -0.00 min  
 Lab File: BM005798.D  
 Acq: 14 Jun 2016 23:19

Tgt Ion:178 Resp: 25154

Ion	Ratio	Lower	Upper
178	100		
179	16.9	12.3	18.5
176	18.4	14.6	22.0



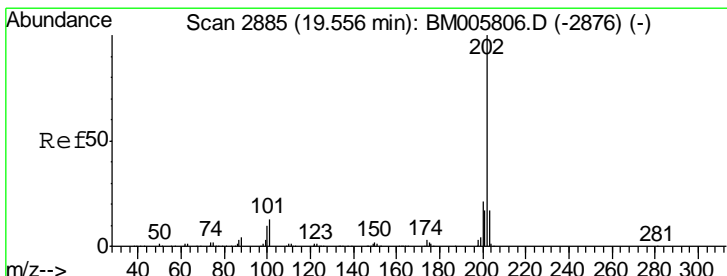
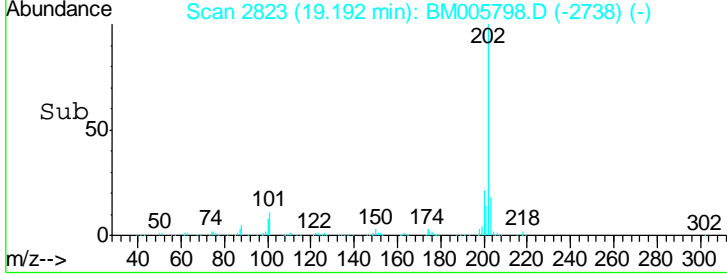
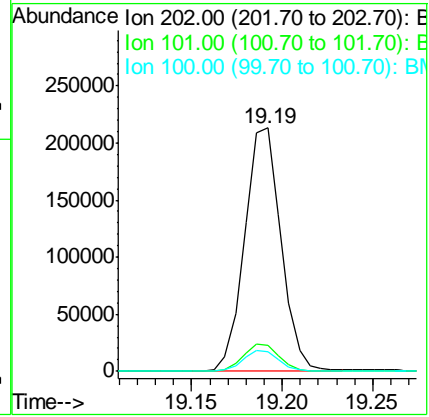
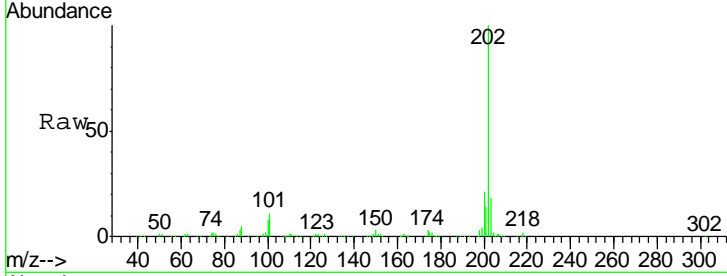


#28  
 Fluoranthene  
 Concen: 12.01 ng/ul  
 RT: 19.19 min Scan# 2823  
 Delta R.T. -0.00 min  
 Lab File: BM005798.D  
 Acq: 14 Jun 2016 23:19

Instrument :  
 BNA\_M  
 ClientSampled :  
 D9XZ9

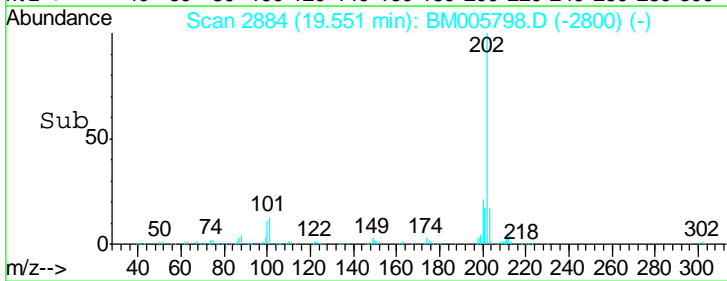
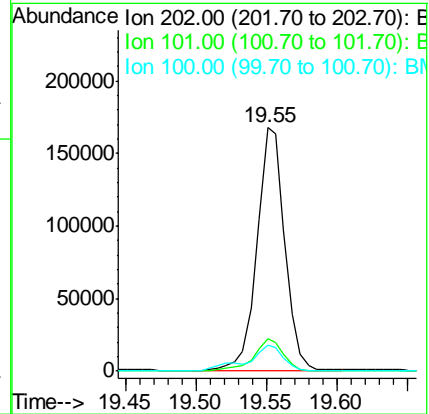
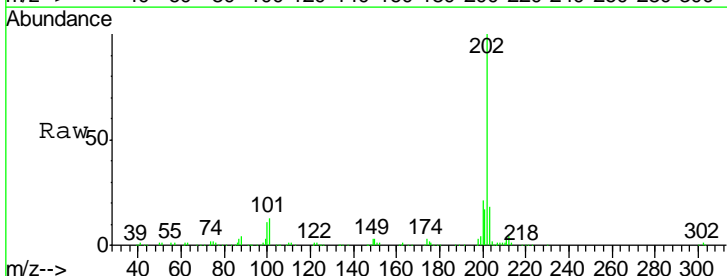
Tgt Ion	Resp	Lower	Upper
202	297516		
101	10.8	8.5	12.7
100	8.0	6.5	9.7

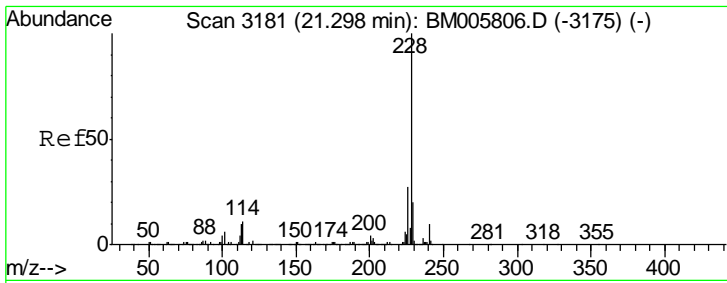
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#31  
 Pyrene  
 Concen: 9.82 ng/ul  
 RT: 19.55 min Scan# 2884  
 Delta R.T. -0.01 min  
 Lab File: BM005798.D  
 Acq: 14 Jun 2016 23:19

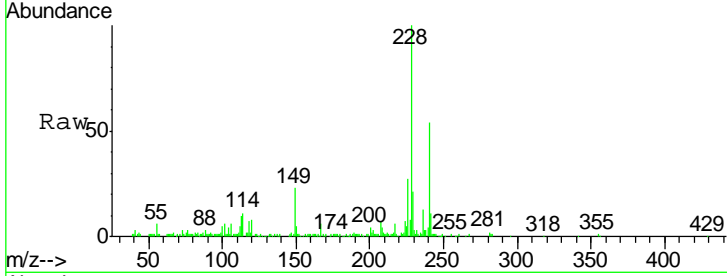
Tgt Ion	Resp	Lower	Upper
202	231716		
101	13.3	11.0	16.4
100	10.6	8.9	13.3





#32  
 Benzo(a)anthracene  
 Concen: 5.12 ng/ul  
 RT: 21.30 min Scan# 3181  
 Delta R.T. -0.00 min  
 Lab File: BM005798.D  
 Acq: 14 Jun 2016 23:19

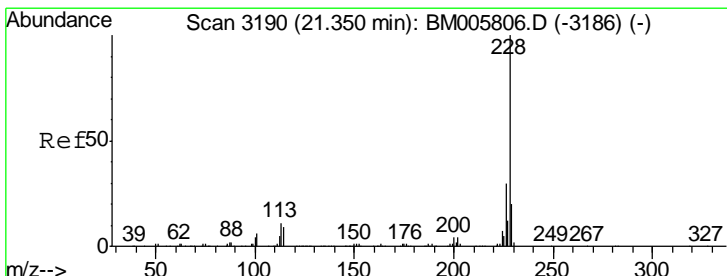
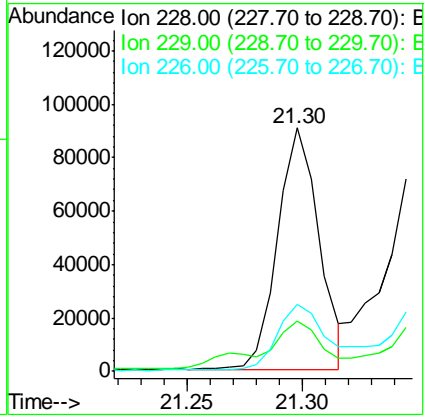
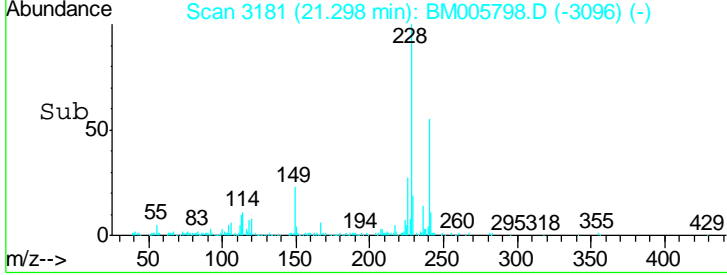
Instrument :  
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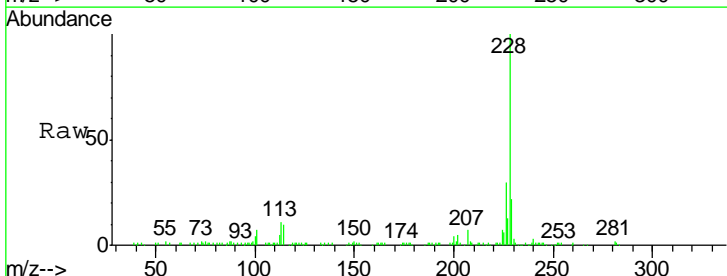
Tgt Ion: 228 Resp: 113909

Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.6	23.4
226	27.3	21.6	32.4

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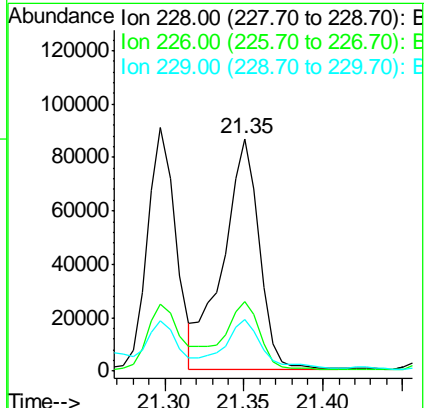
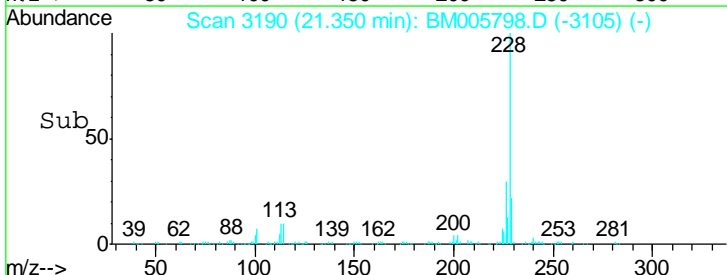


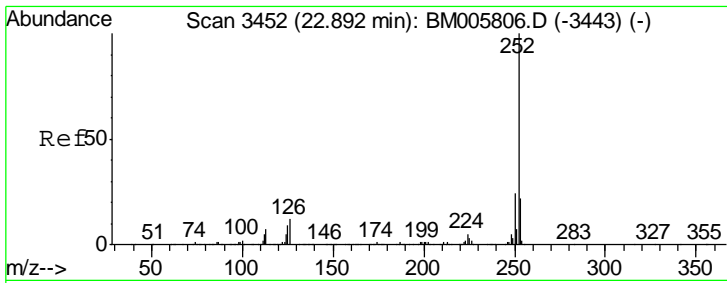
#33  
 Chrysene  
 Concen: 6.34 ng/ul  
 RT: 21.35 min Scan# 3190  
 Delta R.T. -0.00 min  
 Lab File: BM005798.D  
 Acq: 14 Jun 2016 23:19



Tgt Ion: 228 Resp: 138066

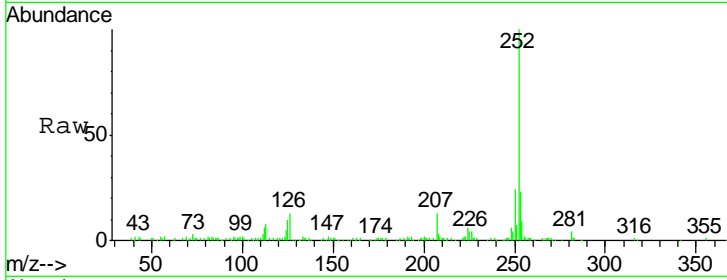
Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.8	35.6
229	22.4	15.8	23.6





#35  
 Benzo(b)fluoranthene  
 Concen: 7.94 ng/ul  
 RT: 22.89 min Scan# 3452  
 Delta R.T. -0.00 min  
 Lab File: BM005798.D  
 Acq: 14 Jun 2016 23:19

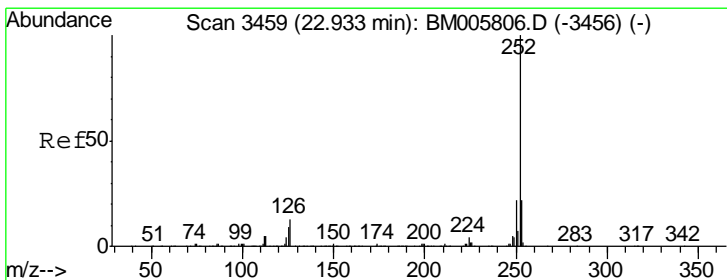
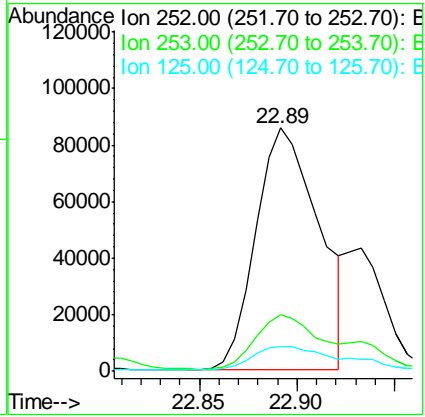
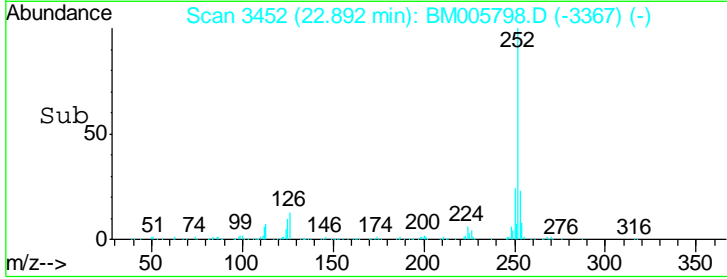
Instrument :  
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 ClientSampled :  
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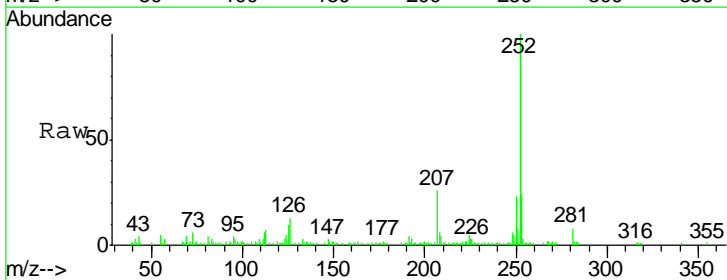
Tgt Ion: 252 Resp: 191542

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	10.3	7.8	11.6

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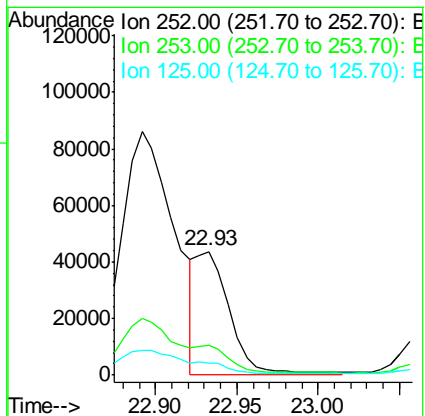
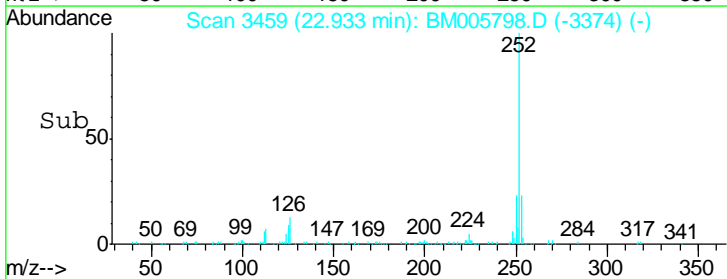


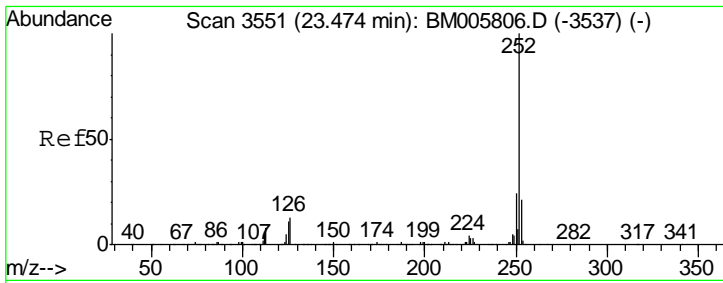
#36  
 Benzo(k)fluoranthene  
 Concen: 2.86 ng/ul m  
 RT: 22.93 min Scan# 3459  
 Delta R.T. -0.00 min  
 Lab File: BM005798.D  
 Acq: 14 Jun 2016 23:19



Tgt Ion: 252 Resp: 63886

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.6	26.4
125	10.2	8.1	12.1



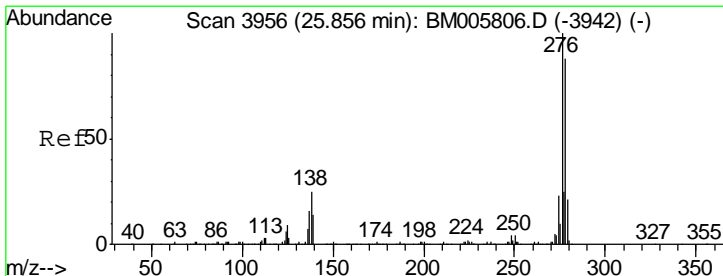
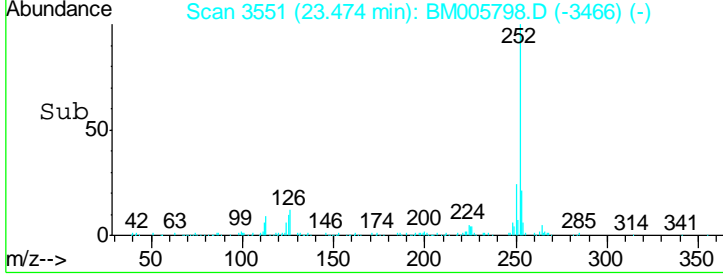
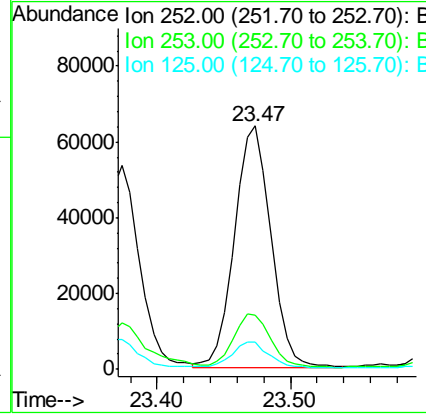
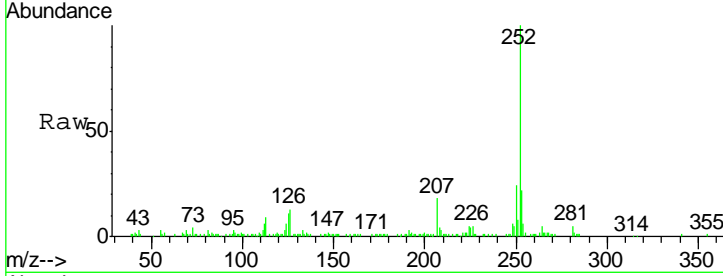


#38  
 Benzo(a)pyrene  
 Concen: 5.23 ng/ul  
 RT: 23.47 min Scan# 3551  
 Delta R.T. -0.00 min  
 Lab File: BM005798.D  
 Acq: 14 Jun 2016 23:19

Instrument :  
 BNA\_M  
 ClientSampled :  
 D9XZ9

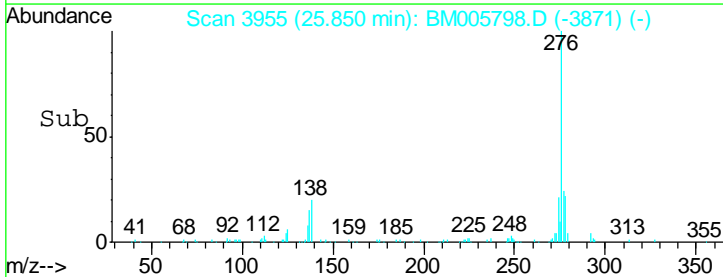
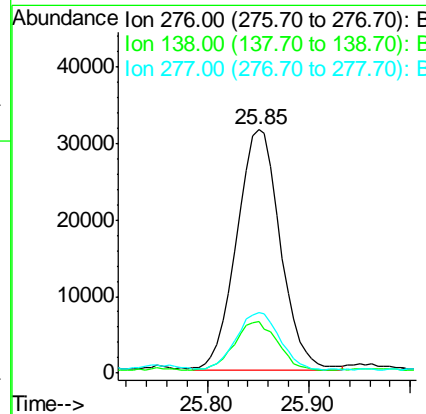
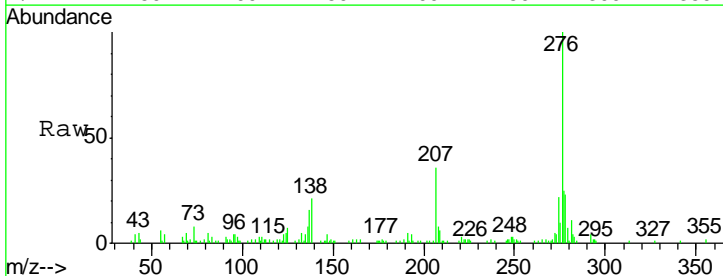
Tgt Ion	Resp	Lower	Upper
252	120558		
253	22.3	17.8	26.6
125	11.0	8.7	13.1

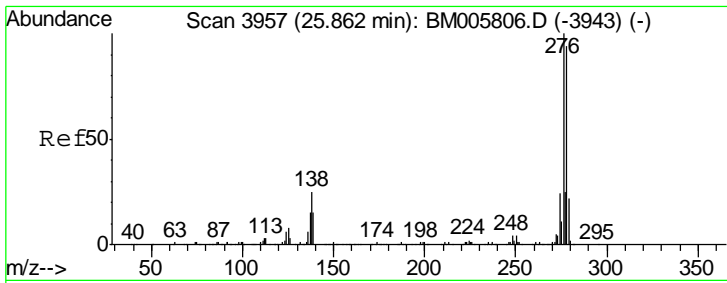
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#39  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.57 ng/ul  
 RT: 25.85 min Scan# 3955  
 Delta R.T. -0.01 min  
 Lab File: BM005798.D  
 Acq: 14 Jun 2016 23:19

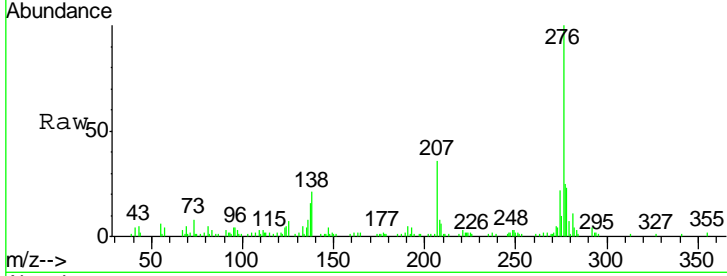
Tgt Ion	Resp	Lower	Upper
276	94491		
138	21.2	20.4	30.6
277	24.9	20.6	30.8





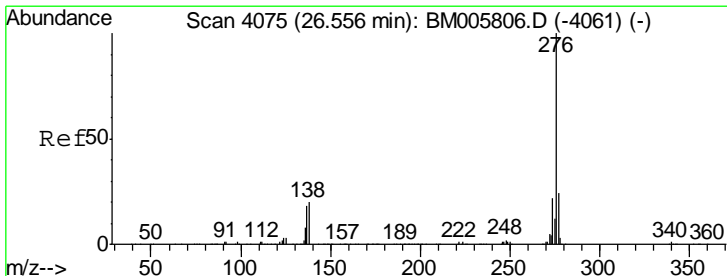
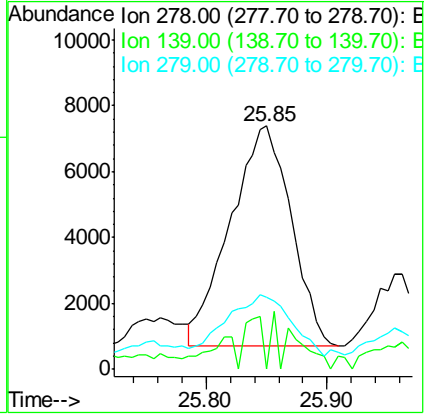
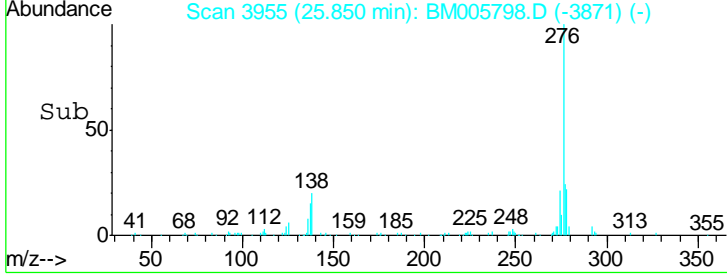
#40  
 Dibenzo(a,h)anthracene  
 Concen: 1.06 ng/ul  
 RT: 25.85 min Scan# 3955  
 Delta R.T. -0.01 min  
 Lab File: BM005798.D  
 Acq: 14 Jun 2016 23:19

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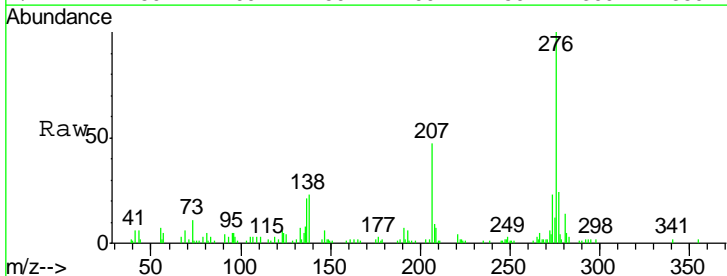


Tgt Ion	Resp	Lower	Upper
278	100		
139	0.0	13.0	19.4#
279	29.6	18.8	28.2#

Manual Integrations  
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#41  
 Benzo(g,h,i)perylene  
 Concen: 3.77 ng/ul  
 RT: 26.55 min Scan# 4074  
 Delta R.T. -0.01 min  
 Lab File: BM005798.D  
 Acq: 14 Jun 2016 23:19



Tgt Ion	Resp	Lower	Upper
276	100		
138	22.6	16.6	25.0
277	24.3	18.9	28.3

