

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009613.D
 Acq On : 07 Apr 2017 02:48
 Operator : SJ/MA
 Sample : I2525-13
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB365

Manual Integrations
 APPROVED

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 4/7/2017 2:10:48 PM

Quant Time: Apr 07 04:02:18 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 07 03:19:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	181862	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	714466	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	398791	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.24	188	940210	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	1221827	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	1174430	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.25	165	283446	25.80	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	1109852	28.40	ng/ul	0.00
10) Fluorene-d10	15.48	176	790825	28.13	ng/ul	0.00
15) Anthracene-d10	17.33	188	1268497	28.20	ng/ul	0.00
19) Pyrene-d10	19.63	212	1553762	30.94	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.60	264	1537424	29.65	ng/ul	0.00
Target Compounds						
14) Phenanthrene	17.28	178	521432	9.86	ng/ul	Qvalue 97
16) Anthracene	17.37	178	117739m	2.15	ng/ul	
17) Fluoranthene	19.29	202	1004901	15.26	ng/ul	96
20) Pyrene	19.66	202	1007993	15.15	ng/ul	97
21) Benzo(a)anthracene	21.40	228	626231	9.07	ng/ul	99
22) Chrysene	21.46	228	587793	9.28	ng/ul	96
24) Benzo(b)fluoranthene	23.04	252	776070	10.68	ng/ul	97
25) Benzo(k)fluoranthene	23.07	252	270509m	3.91	ng/ul	
27) Benzo(a)pyrene	23.64	252	527743	7.64	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	26.11	276	384468	4.97	ng/ul	95
29) Dibenzo(a,h)anthracene	26.10	278	116369m	1.77	ng/ul	
30) Benzo(a,h,i)perylene	26.84	276	358252	5.61	ng/ul#	94

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

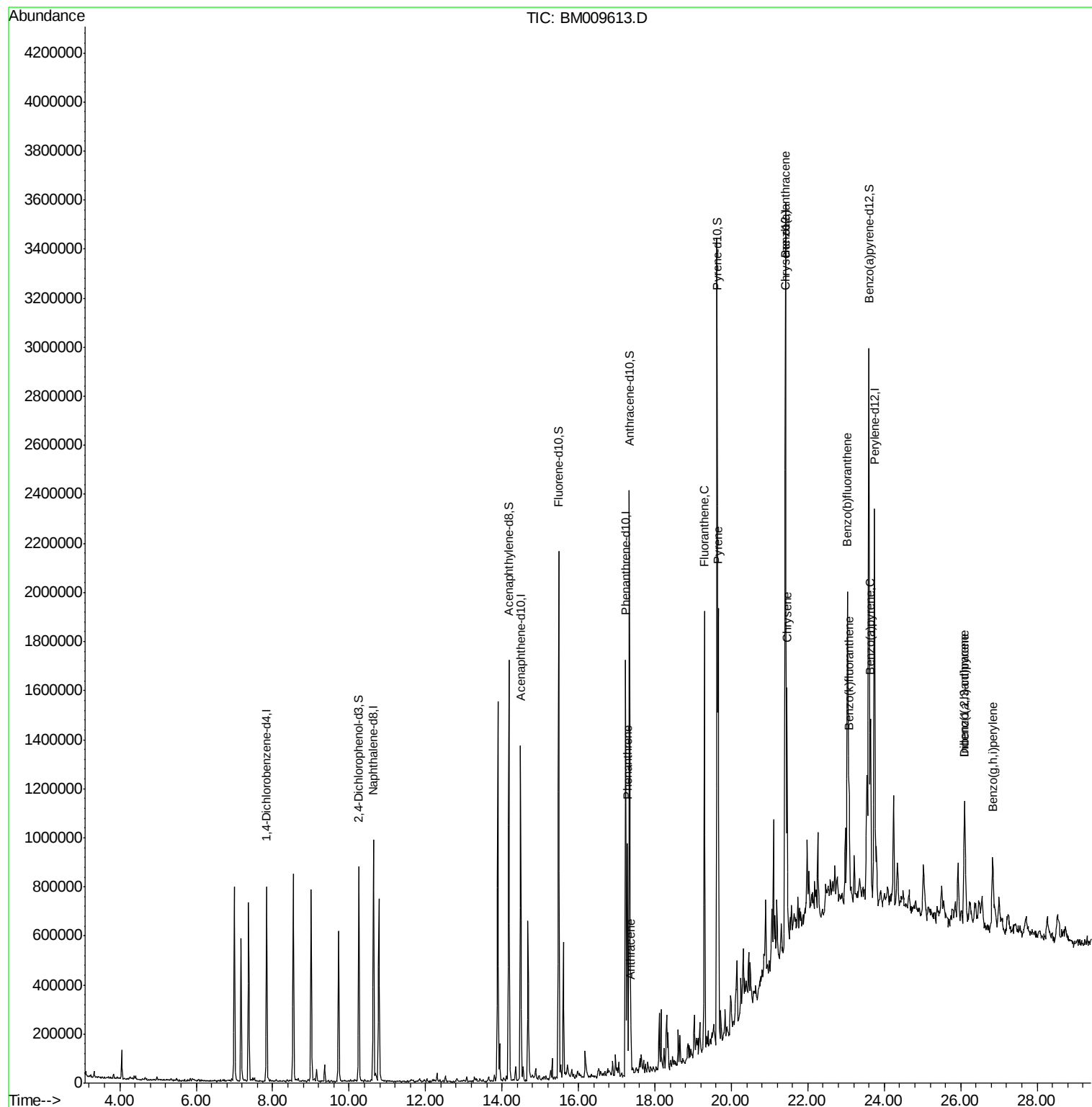
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
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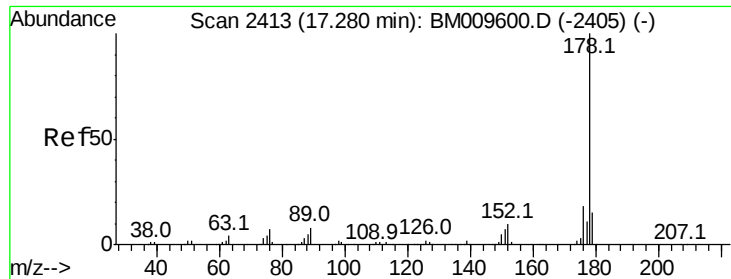
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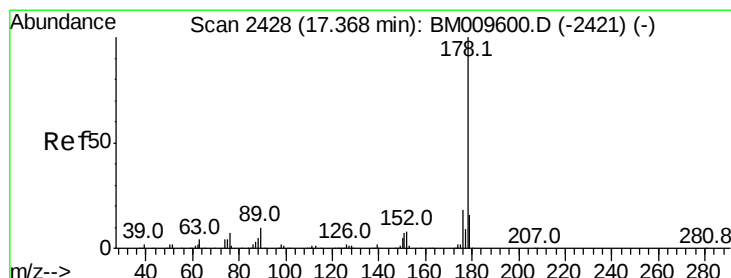
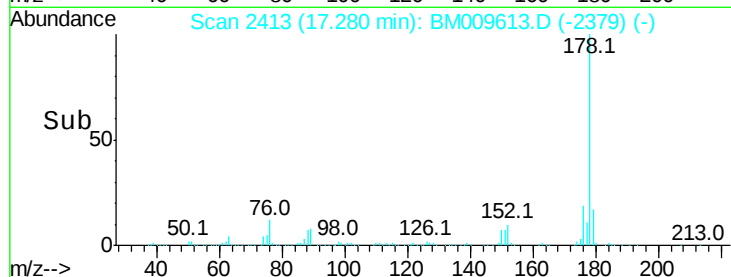
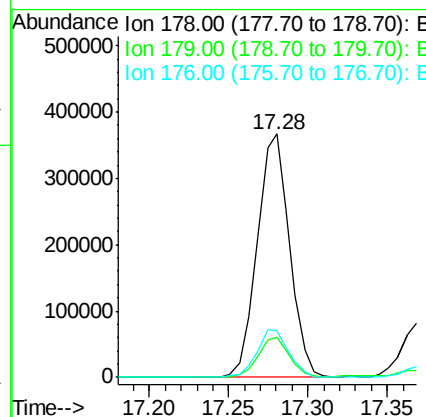
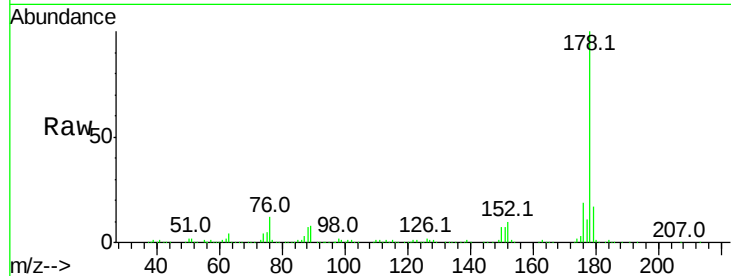
#14
Phenanthrene
Concen: 9.86 ng/ul
RT: 17.28 min Scan# 2413
Delta R.T. 0.00 min
Lab File: BM009613.D
Acq: 07 Apr 2017 02:48

Instrument :
BNA_M
ClientSampled :
CB365

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.2	18.4
176	19.3	16.4	24.6

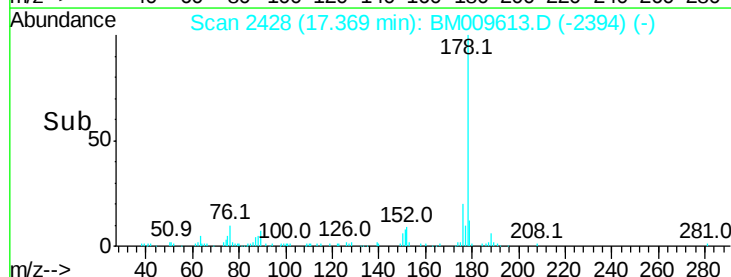
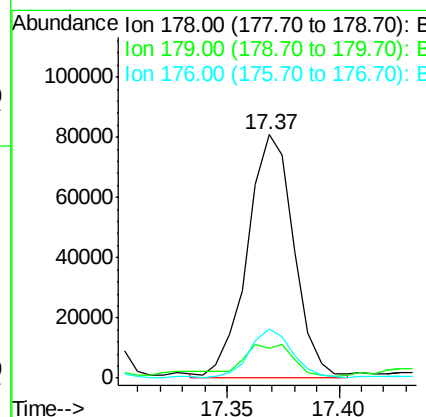
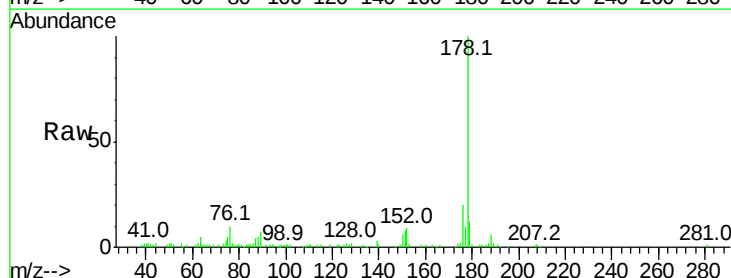
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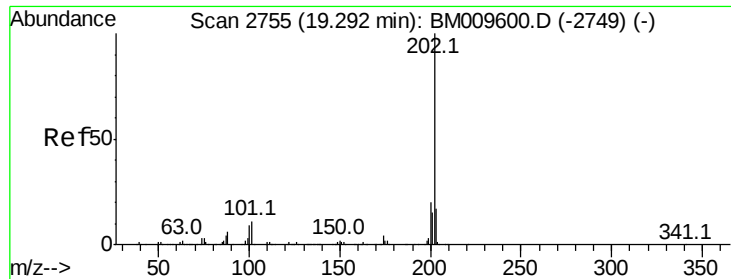
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#16
Anthracene
Concen: 2.15 ng/ul m
RT: 17.37 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BM009613.D
Acq: 07 Apr 2017 02:48

Tgt Ion	Ratio	Lower	Upper
178	100		
179	12.1	12.7	19.1#
176	20.3	15.8	23.8





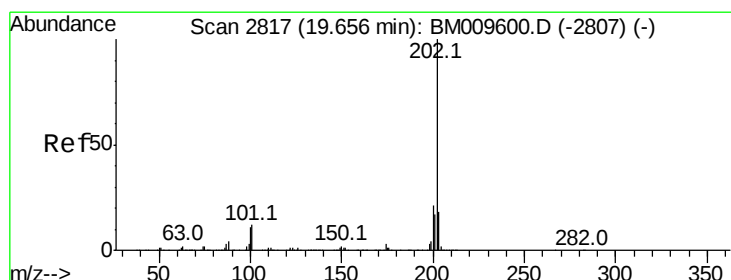
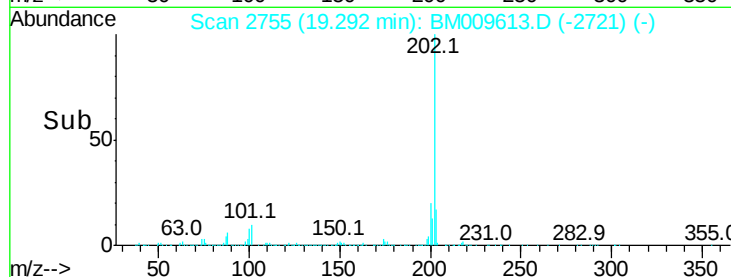
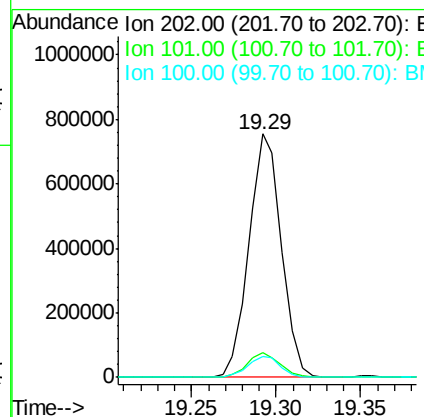
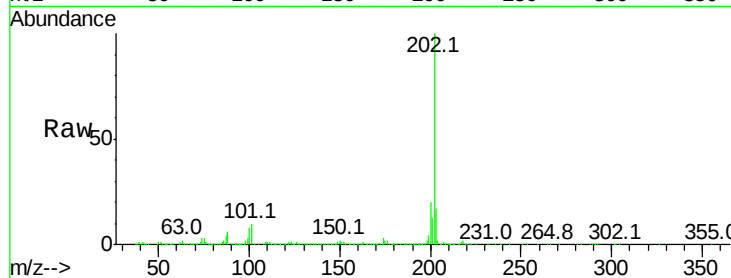
#17
 Fluoranthene
 Concen: 15.26 ng/ul
 RT: 19.29 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BM009613.D
 Acq: 07 Apr 2017 02:48

Instrument :
 BNA_M
 ClientSampled :
 CB365

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.3	9.8	14.8
100	8.5	7.5	11.3

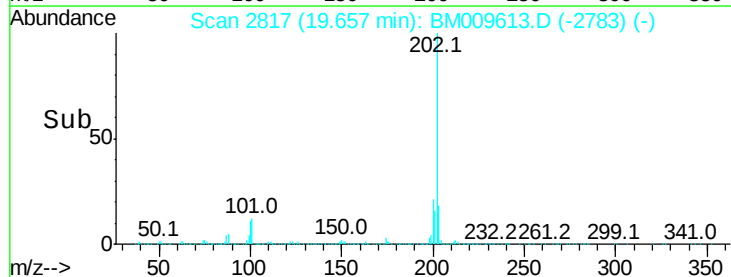
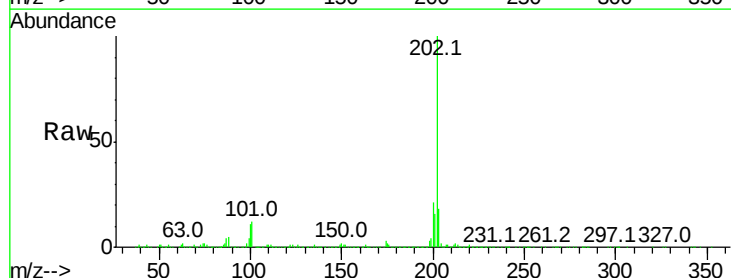
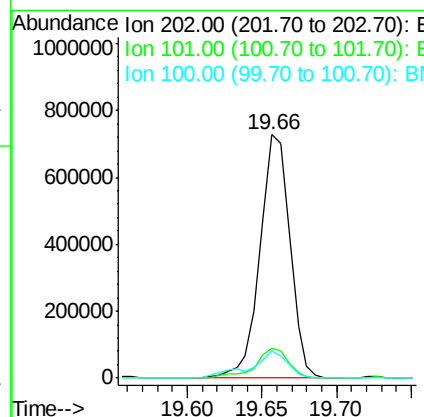
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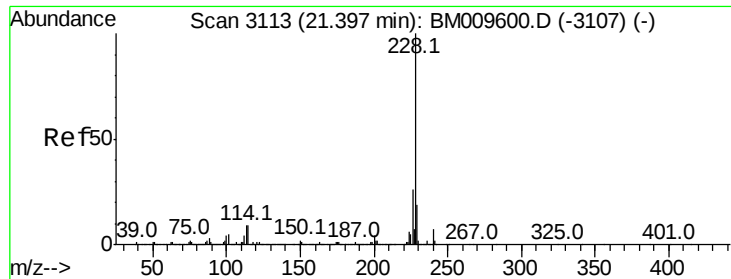
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#20
 Pyrene
 Concen: 15.15 ng/ul
 RT: 19.66 min Scan# 2817
 Delta R.T. 0.00 min
 Lab File: BM009613.D
 Acq: 07 Apr 2017 02:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	11.2	16.8
100	11.3	9.8	14.6





#21

Benzo(a)anthracene

Concen: 9.07 ng/ul

RT: 21.40 min Scan# 3114

Delta R.T. 0.01 min

Lab File: BM009613.D

Acq: 07 Apr 2017 02:48

Instrument :

BNA_M

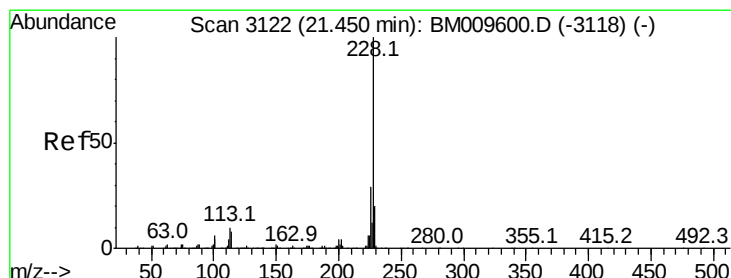
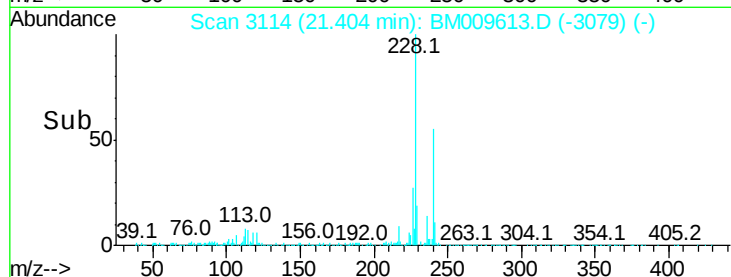
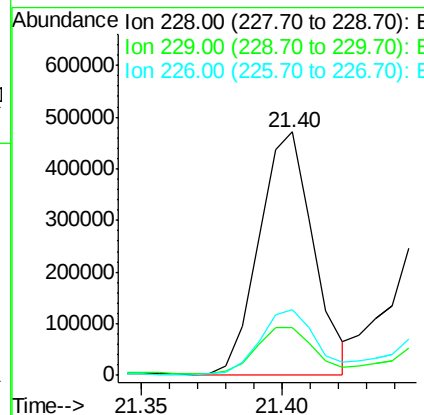
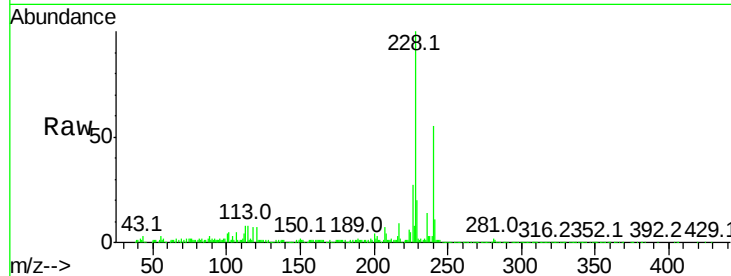
ClientSampleId :

CB365

Tot Ion:	228	Resp:	626231
Ion Ratio	Lower	Upper	
228	100		
229	19.8	15.9	23.9
226	27.0	22.1	33.1

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#22

Chrysene

Concen: 9.28 ng/ul

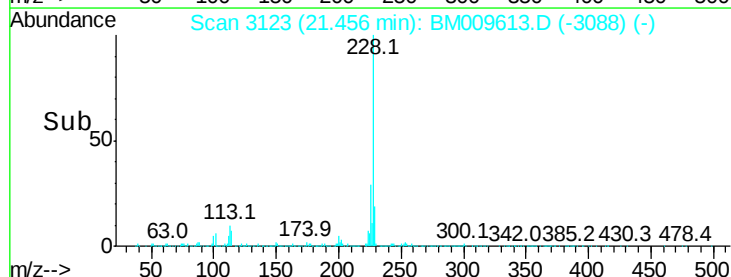
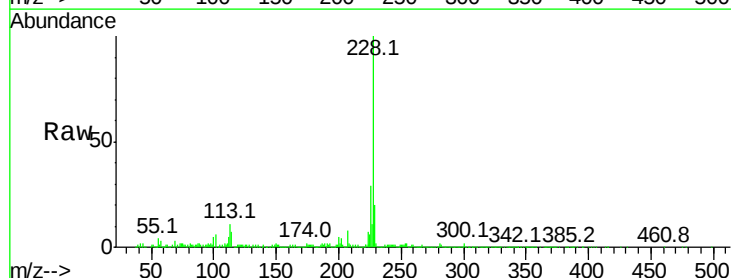
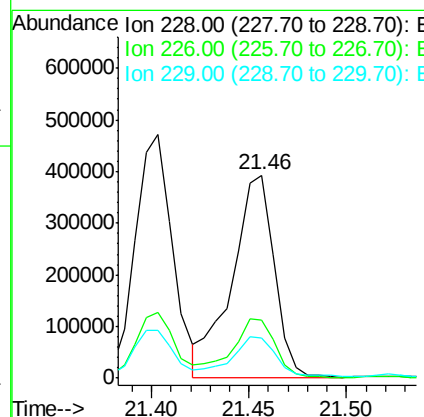
RT: 21.46 min Scan# 3123

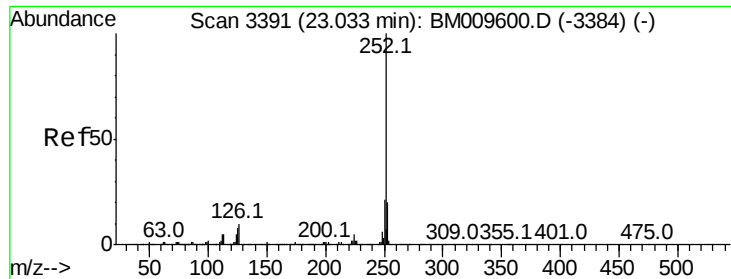
Delta R.T. 0.01 min

Lab File: BM009613.D

Acq: 07 Apr 2017 02:48

Tgt Ion:	228	Resp:	587793
Ion Ratio	Lower	Upper	
228	100		
226	28.7	25.0	37.6
229	19.7	16.6	25.0





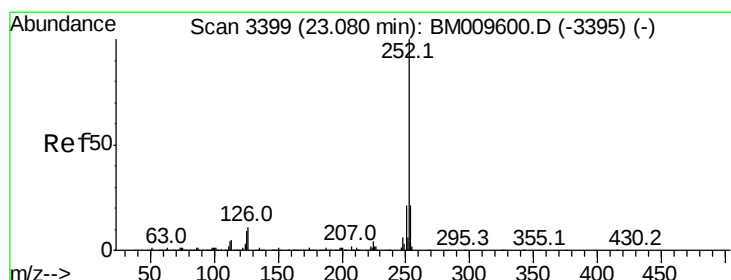
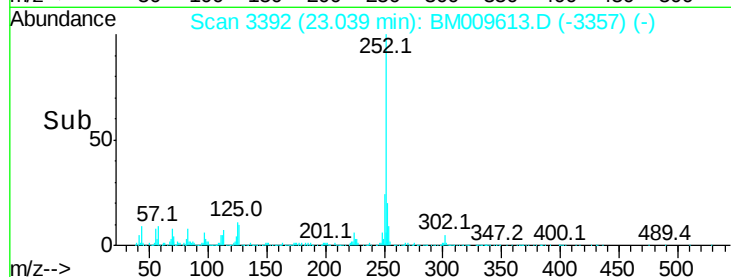
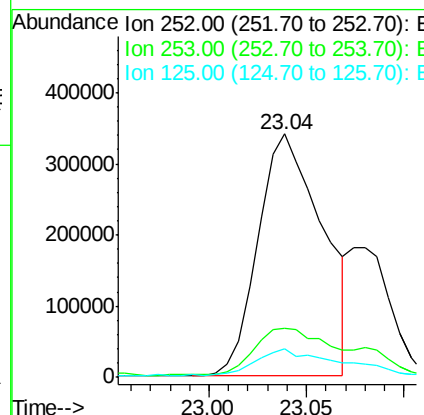
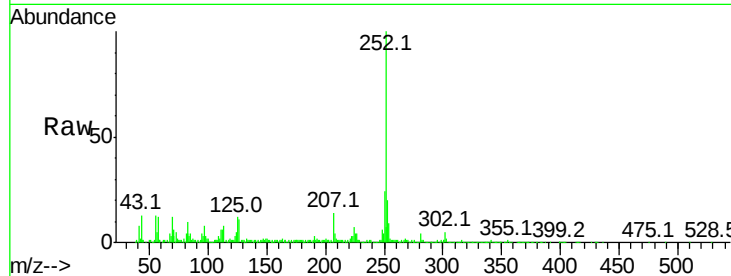
#24
Benzo(b)fluoranthene
Concen: 10.68 ng/ul
RT: 23.04 min Scan# 3392
Delta R.T. 0.01 min
Lab File: BM009613.D
Acq: 07 Apr 2017 02:48

Instrument :
BNA_M
ClientSampleId :
CB365

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.4	17.8	26.6
125	11.7	9.4	14.0

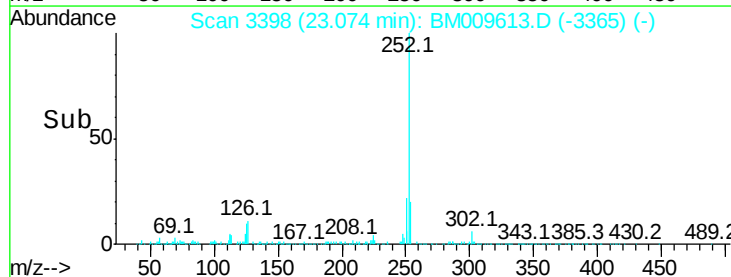
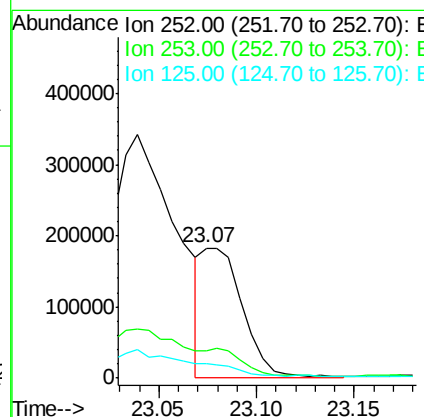
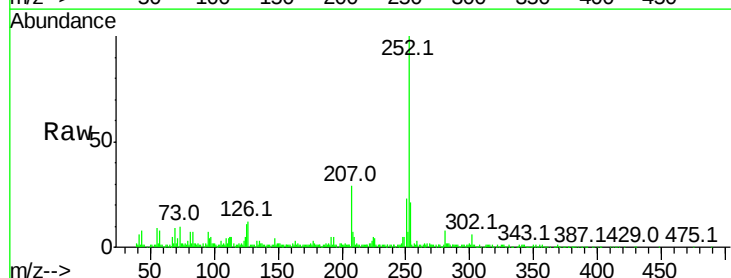
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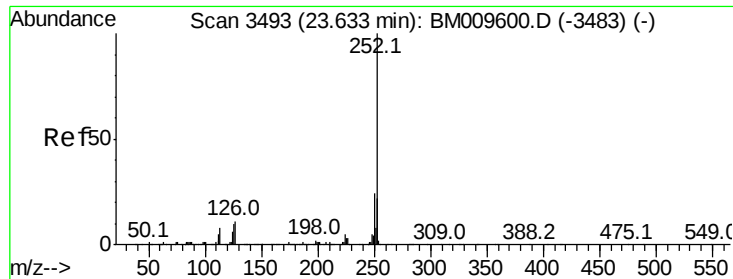
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#25
Benzo(k)fluoranthene
Concen: 3.91 ng/ul m
RT: 23.07 min Scan# 3398
Delta R.T. -0.01 min
Lab File: BM009613.D
Acq: 07 Apr 2017 02:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.2
125	11.0	8.8	13.2





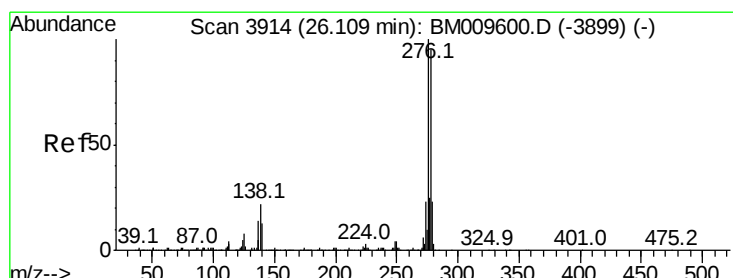
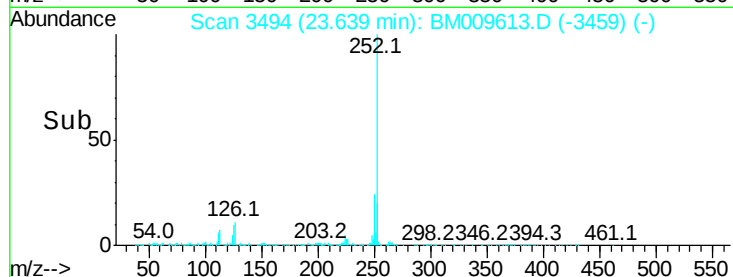
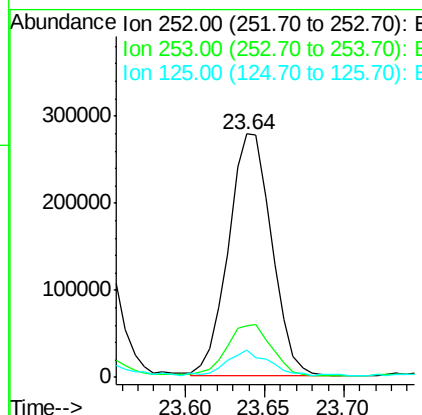
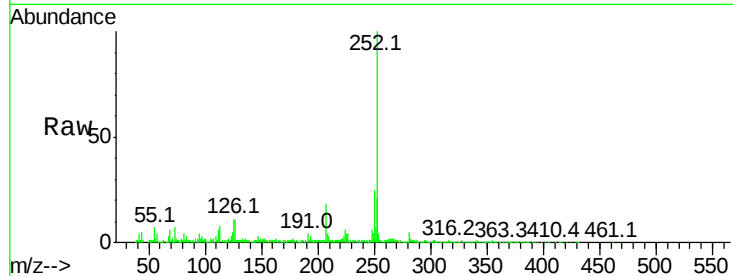
#27
Benzo(a)pyrene
Concen: 7.64 ng/ul
RT: 23.64 min Scan# 3494
Delta R.T. 0.01 min
Lab File: BM009613.D
Acq: 07 Apr 2017 02:48

Instrument :
BNA_M
ClientSampleId :
CB365

Tot Ion	Ratio	Resp	Lower	Upper
252	100	527743		
253	21.4		17.1	25.7
125	11.0		9.4	14.2

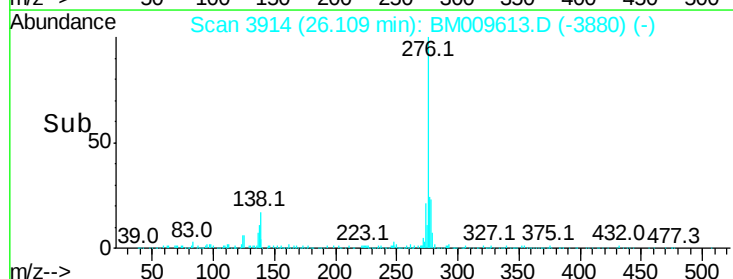
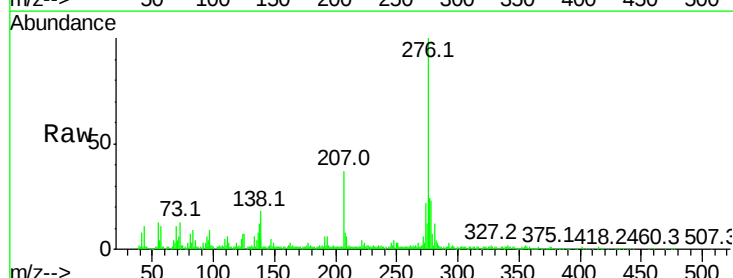
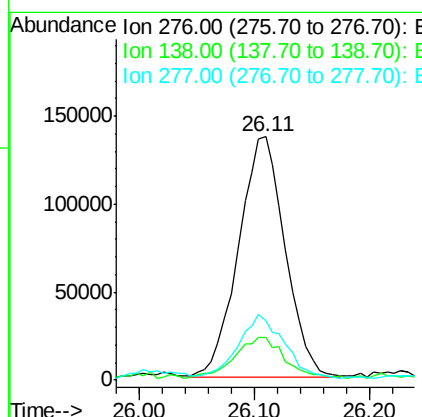
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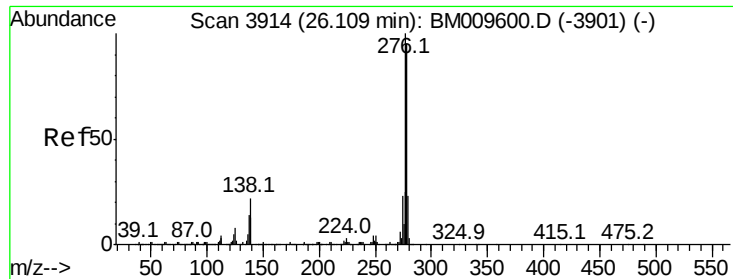
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#28
Indeno(1,2,3-cd)pyrene
Concen: 4.97 ng/ul
RT: 26.11 min Scan# 3914
Delta R.T. 0.00 min
Lab File: BM009613.D
Acq: 07 Apr 2017 02:48

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	384468		
138	17.8		17.8	26.6
277	24.5		19.4	29.0





#29

Dibenzo(a,h)anthracene

Concen: 1.77 ng/ul m

RT: 26.10 min Scan# 3913

Delta R.T. -0.01 min

Lab File: BM009613.D

Acq: 07 Apr 2017 02:48

Instrument :

BNA_M

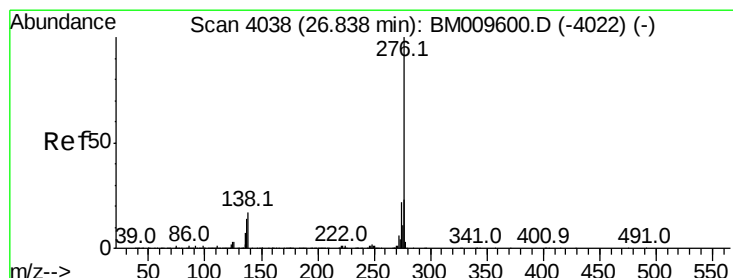
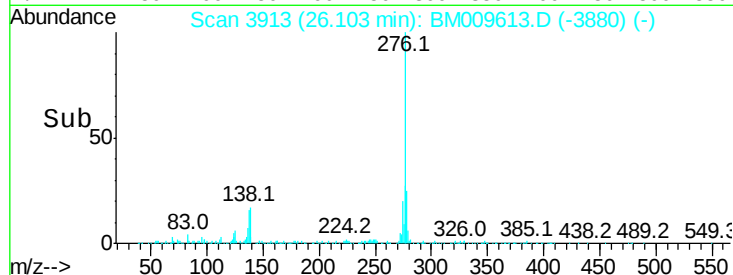
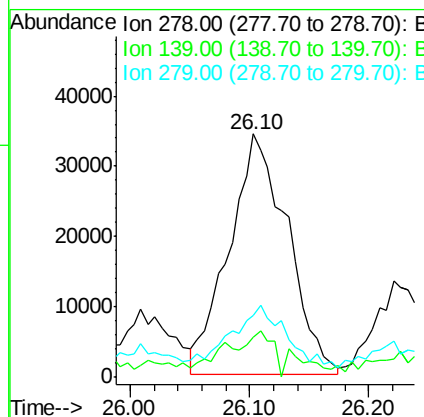
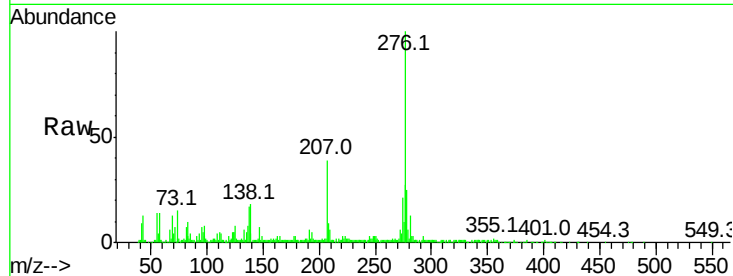
ClientSampleId :

CB365

Tot Ion:	278	Resp:	116369
Ion Ratio	Lower	Upper	
278	100		
139	16.5	14.0	21.0
279	25.5	20.6	31.0

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#30

Benzo(g,h,i)perylene

Concen: 5.61 ng/ul

RT: 26.84 min Scan# 4038

Delta R.T. 0.00 min

Lab File: BM009613.D

Acq: 07 Apr 2017 02:48

Tgt Ion:	276	Resp:	358252
Ion Ratio	Lower	Upper	
276	100		
138	19.0	19.0	28.4#
277	26.2	19.7	29.5

