

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009607.D
 Acq On : 06 Apr 2017 23:11
 Operator : SJ/MA
 Sample : I2525-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB347

Manual Integrations
 APPROVED

mohammad
 4/7/2017 2:10:30 PM

Quant Time: Apr 07 03:43:25 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	162069	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	642045	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	368584	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	849015m	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	1119982	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	1048268	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.25	165	271841	27.54	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	1086587	30.08	ng/ul	0.00
10) Fluorene-d10	15.48	176	772034	29.72	ng/ul	0.00
15) Anthracene-d10	17.33	188	1205035	29.67	ng/ul	0.00
19) Pyrene-d10	19.63	212	1487952	32.33	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.59	264	1477265	31.92	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.27	178	399180m	8.36	ng/ul	
16) Anthracene	17.37	178	86045	1.74	ng/ul	97
17) Fluoranthene	19.29	202	839157	14.12	ng/ul	95
20) Pyrene	19.66	202	737956	12.10	ng/ul	96
21) Benzo(a)anthracene	21.40	228	424136	6.70	ng/ul	97
22) Chrysene	21.45	228	428808	7.39	ng/ul	97
24) Benzo(b)fluoranthene	23.04	252	629311	9.71	ng/ul#	89
25) Benzo(k)fluoranthene	23.08	252	187664m	3.04	ng/ul	
27) Benzo(a)pyrene	23.64	252	403166m	6.54	ng/ul	
28) Indeno(1,2,3-cd)pyrene	26.10	276	296532	4.29	ng/ul#	93
29) Dibenzo(a,h)anthracene	26.11	278	79038m	1.35	ng/ul	
30) Benzo(a,h,i)perylene	26.84	276	270783	4.75	ng/ul#	90

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

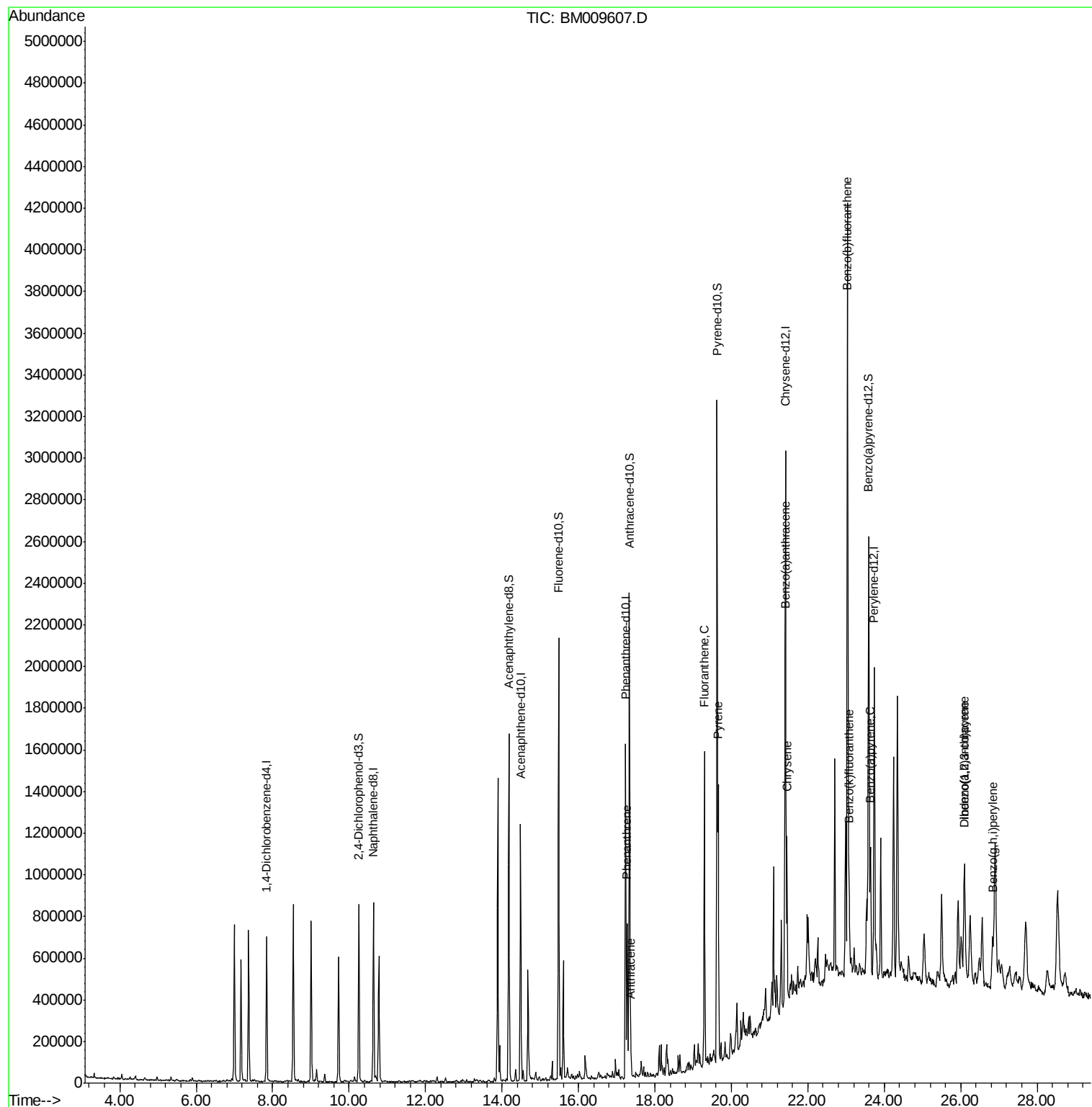
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
Data File : BM009607.D
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ALS Vial : 24 Sample Multiplier: 1

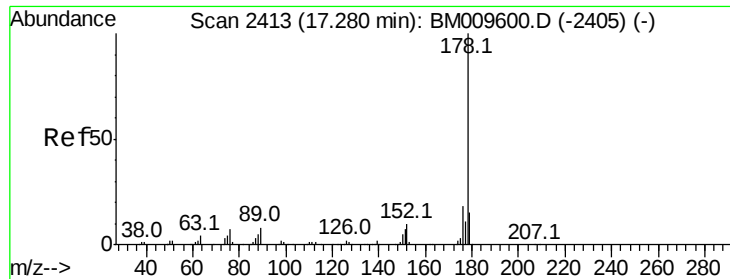
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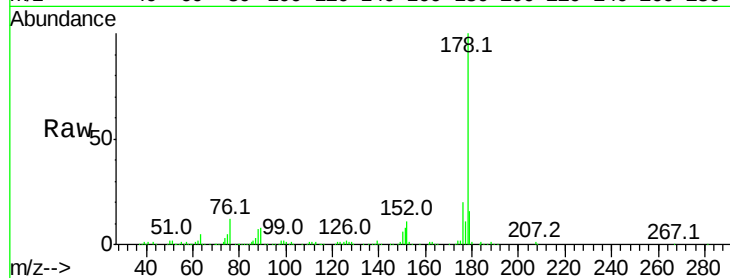
#14
Phenanthrene
Concen: 8.36 ng/ul m
RT: 17.27 min Scan# 2412
Delta R.T. -0.01 min
Lab File: BM009607.D
Acq: 06 Apr 2017 23:11

Instrument :
BNA_M
ClientSampleId :
CB347

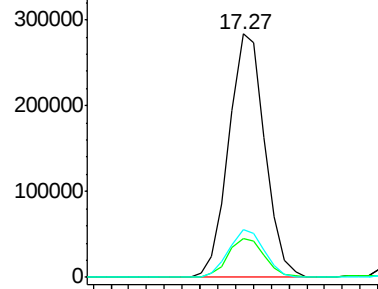
Tot Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.2	18.4
176	19.8	16.4	24.6

Manual Integrations
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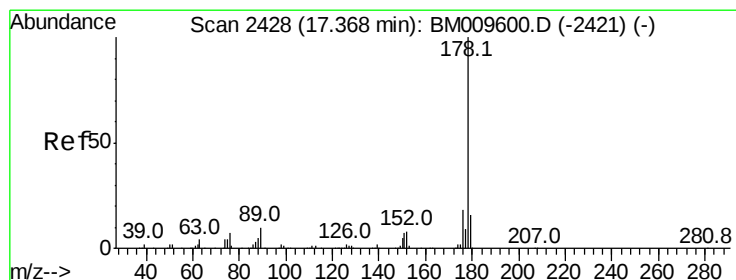
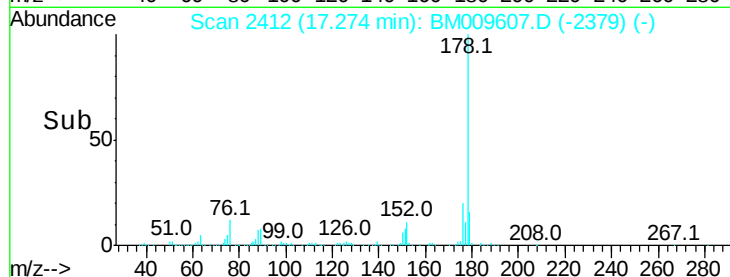
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



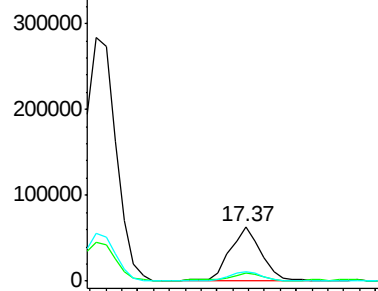
Time-->



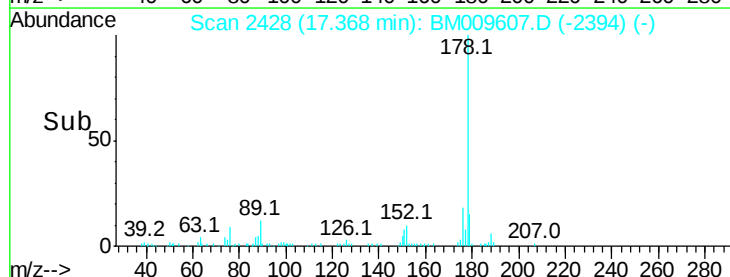
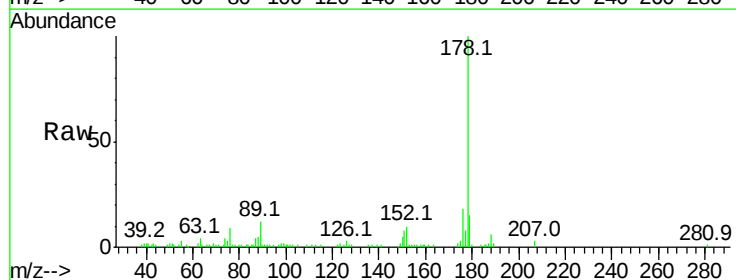
#16
Anthracene
Concen: 1.74 ng/ul
RT: 17.37 min Scan# 2428
Delta R.T. -0.00 min
Lab File: BM009607.D
Acq: 06 Apr 2017 23:11

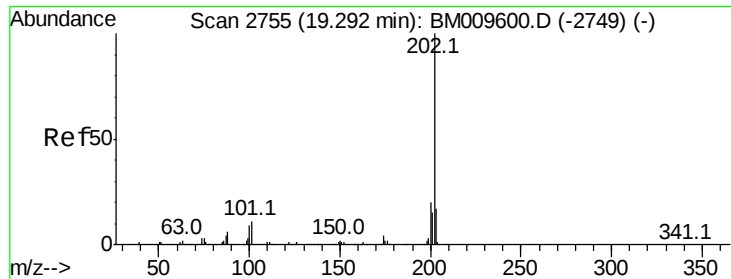
Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.7	19.1
176	18.1	15.8	23.8

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->





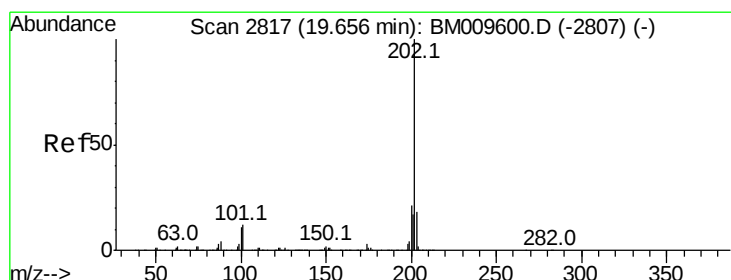
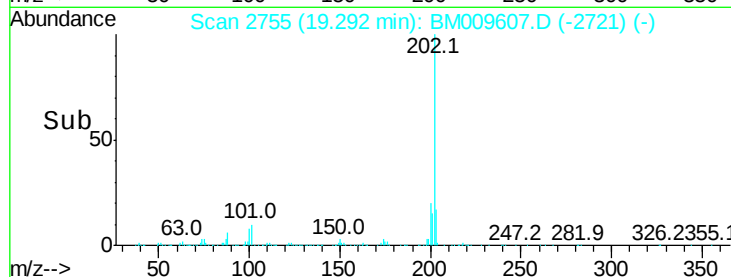
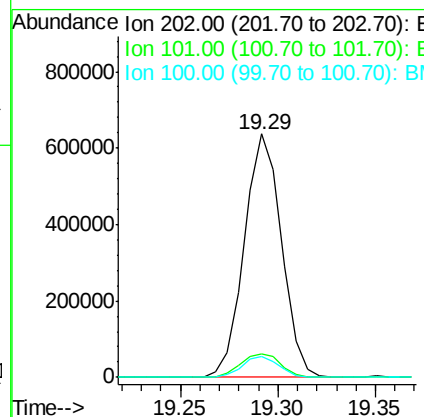
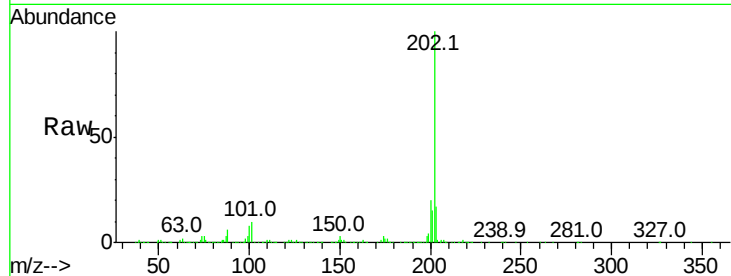
#17
Fluoranthene
 Concen: 14.12 ng/ul
 RT: 19.29 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BM009607.D
 Acq: 06 Apr 2017 23:11

Instrument :
 BNA_M
 ClientSampleId :
 CB347

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.9	9.8	14.8
100	8.5	7.5	11.3

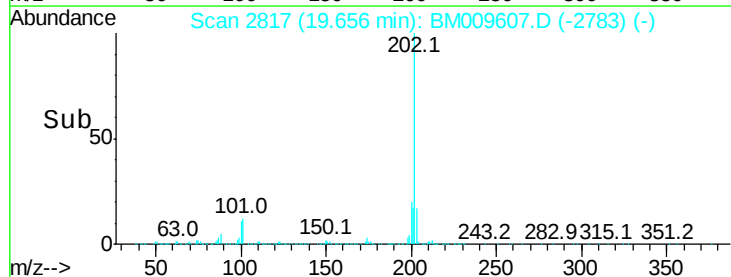
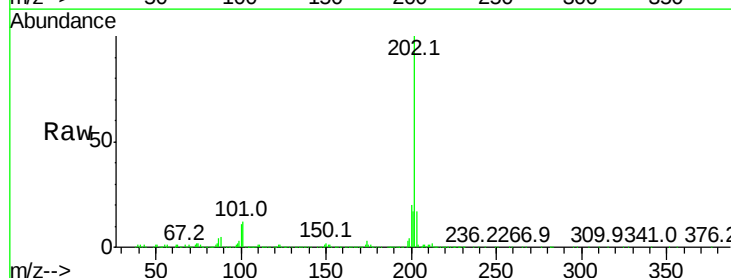
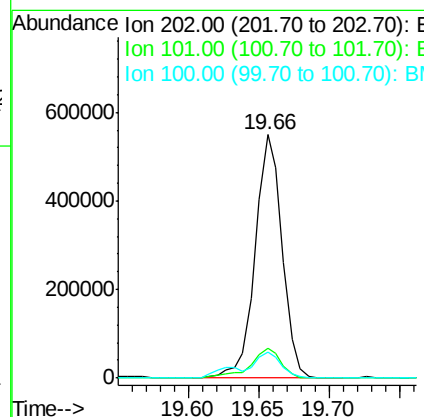
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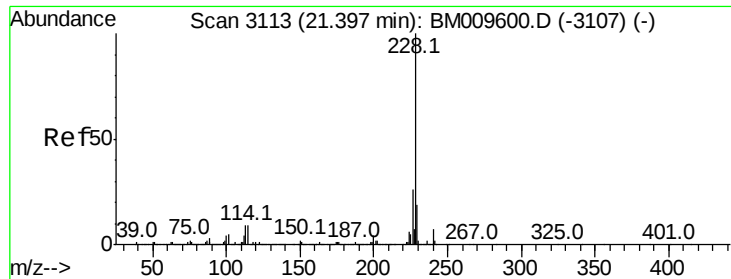
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#20
Pyrene
 Concen: 12.10 ng/ul
 RT: 19.66 min Scan# 2817
 Delta R.T. 0.00 min
 Lab File: BM009607.D
 Acq: 06 Apr 2017 23:11

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	12.3	11.2	16.8
100	10.6	9.8	14.6





#21

Benzo(a)anthracene

Concen: 6.70 ng/ul

RT: 21.40 min Scan# 3113

Delta R.T. -0.00 min

Lab File: BM009607.D

Acq: 06 Apr 2017 23:11

Instrument :

BNA_M

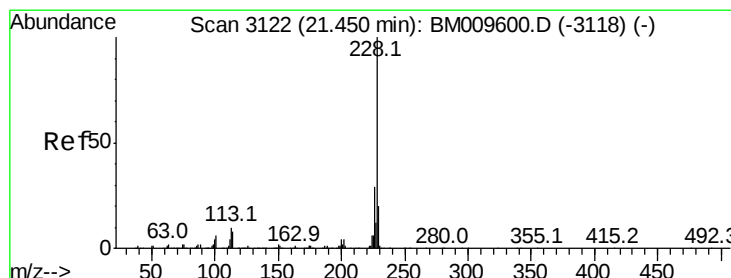
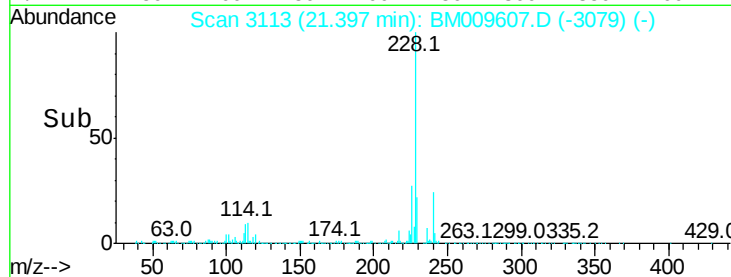
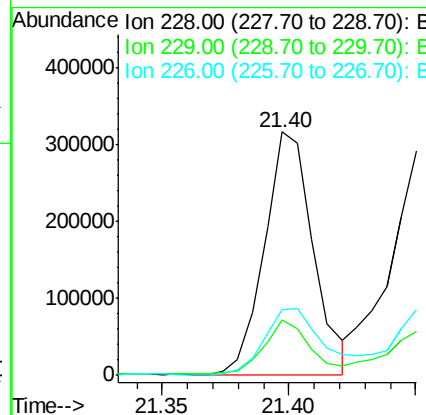
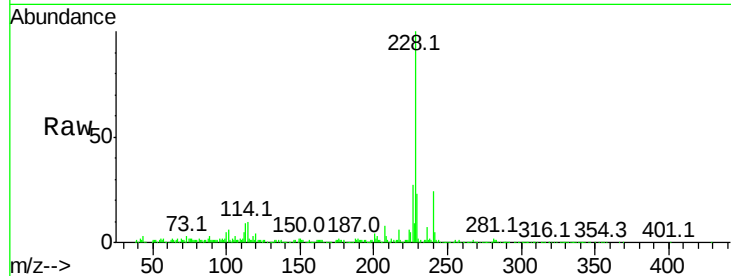
ClientSampleId :

CB347

Tot Ion:	228	Resp:	424136
Ion Ratio	Lower	Upper	
228	100		
229	22.8	15.9	23.9
226	27.2	22.1	33.1

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#22

Chrysene

Concen: 7.39 ng/ul

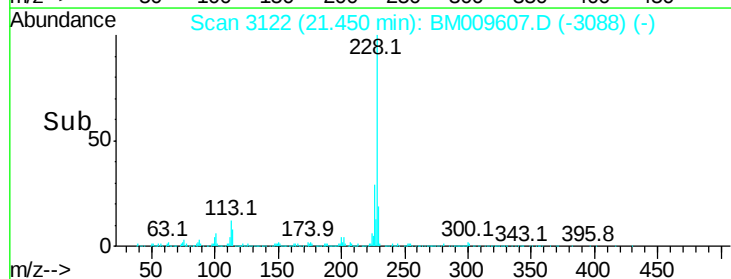
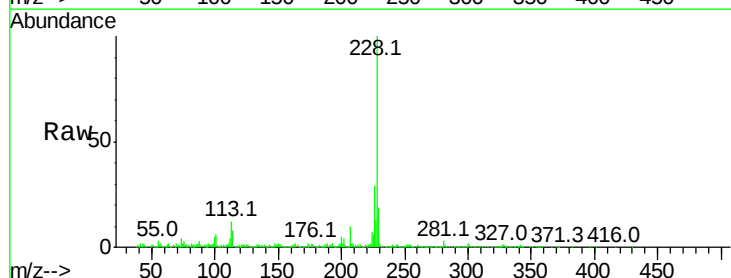
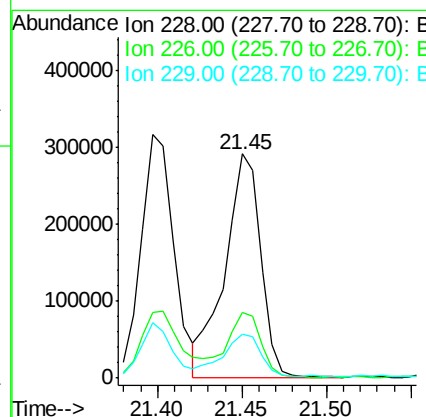
RT: 21.45 min Scan# 3122

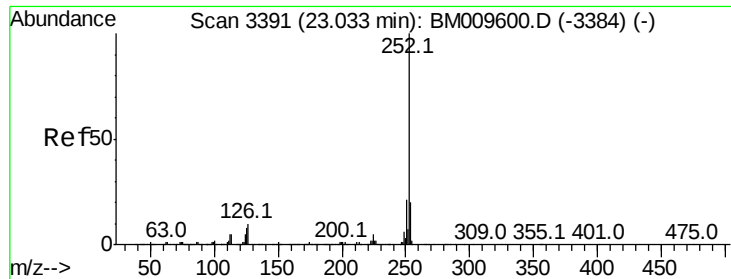
Delta R.T. 0.00 min

Lab File: BM009607.D

Acq: 06 Apr 2017 23:11

Tgt Ion:	228	Resp:	428808
Ion Ratio	Lower	Upper	
228	100		
226	29.3	25.0	37.6
229	19.5	16.6	25.0





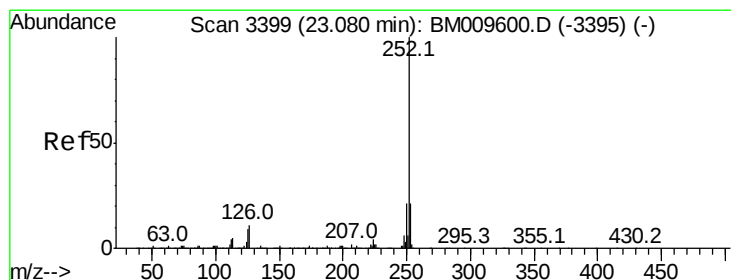
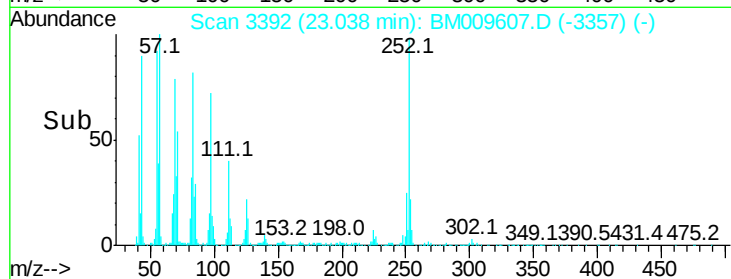
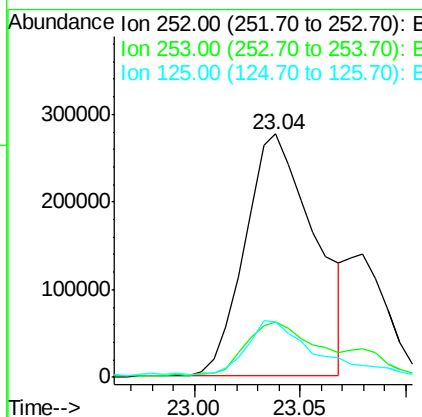
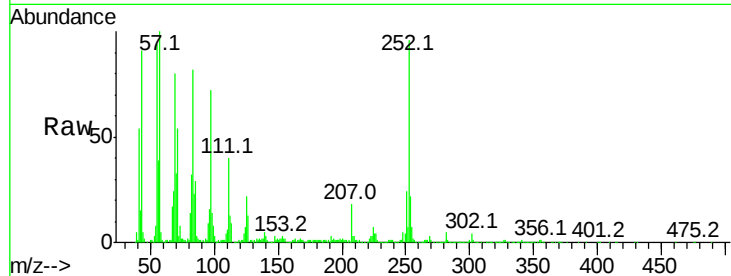
#24
Benzo(b)fluoranthene
Concen: 9.71 ng/ul
RT: 23.04 min Scan# 3392
Delta R.T. 0.01 min
Lab File: BM009607.D
Acq: 06 Apr 2017 23:11

Instrument :
BNA_M
ClientSampleId :
CB347

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	22.6	9.4	14.0

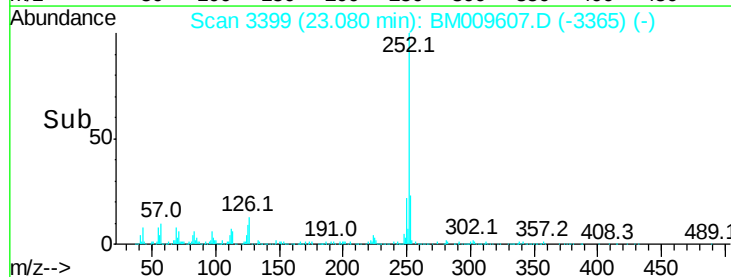
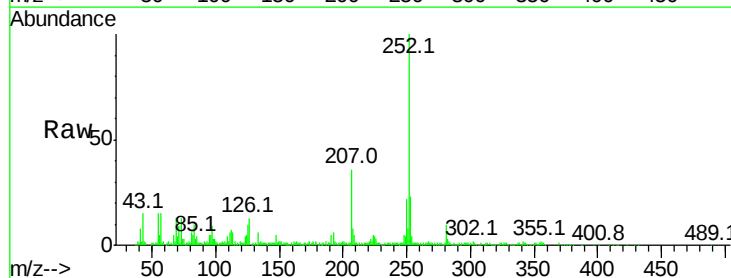
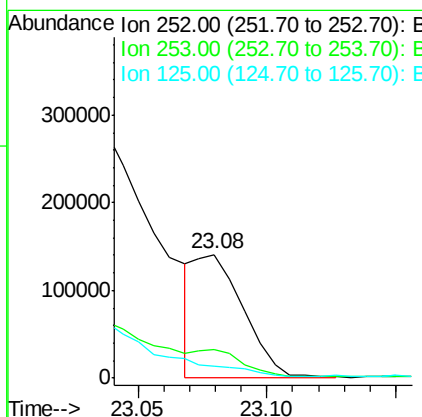
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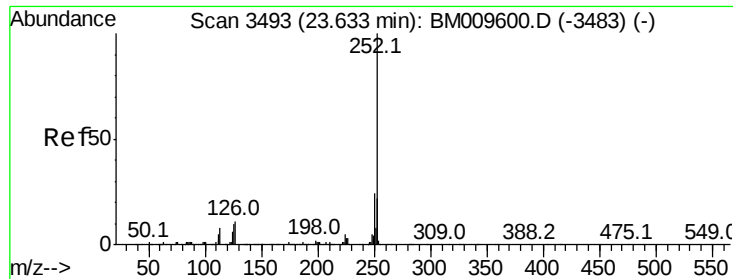
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#25
Benzo(k)fluoranthene
Concen: 3.04 ng/ul m
RT: 23.08 min Scan# 3399
Delta R.T. -0.00 min
Lab File: BM009607.D
Acq: 06 Apr 2017 23:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.2
125	9.7	8.8	13.2





#27

Benzo(a)pyrene

Concen: 6.54 ng/ul m

RT: 23.64 min Scan# 3494

Delta R.T. 0.01 min

Lab File: BM009607.D

Acq: 06 Apr 2017 23:11

Instrument :

BNA_M

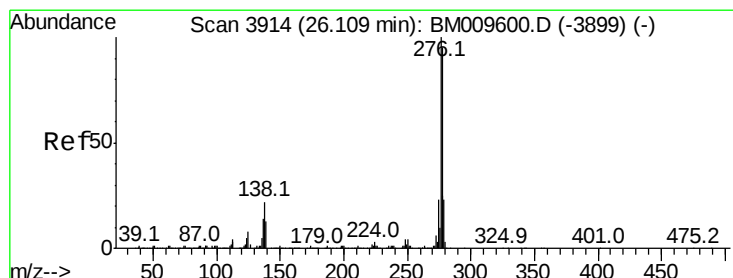
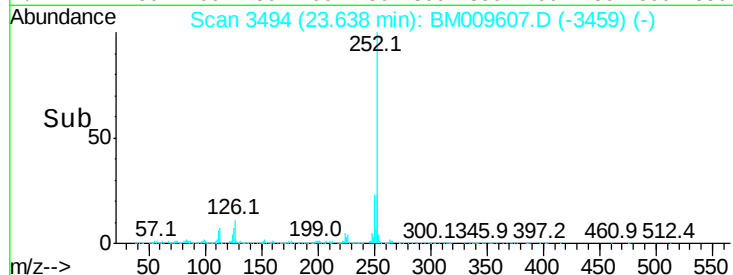
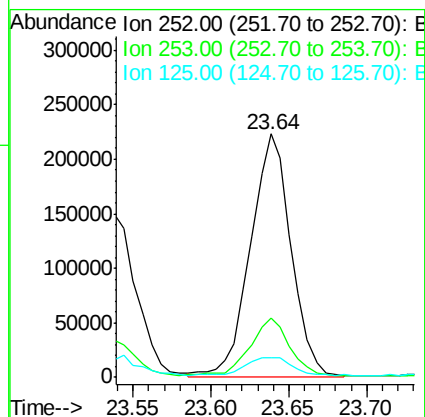
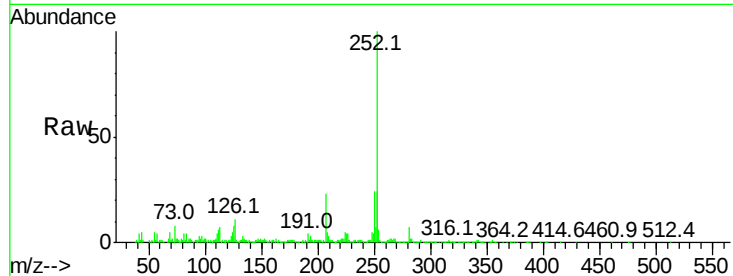
ClientSampled :

CB347

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.3	17.1	25.7	
125	8.3	9.4	14.2	

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#28

Indeno(1,2,3-cd)pyrene

Concen: 4.29 ng/ul

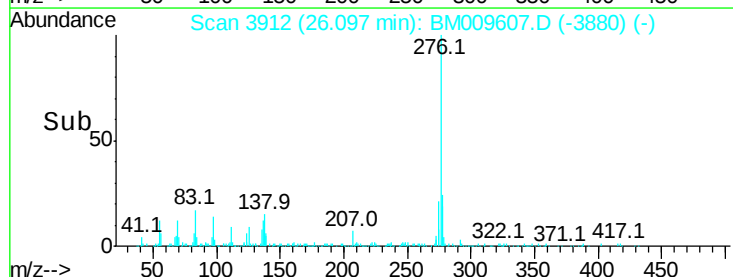
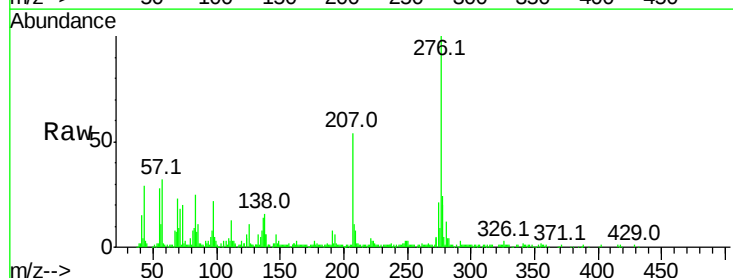
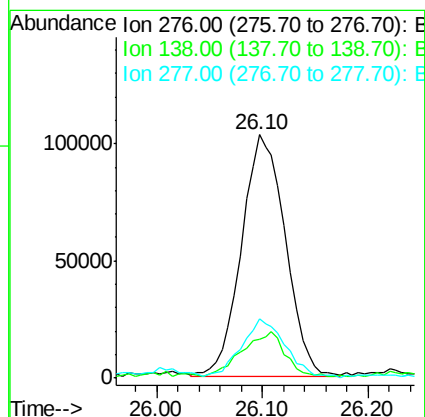
RT: 26.10 min Scan# 3912

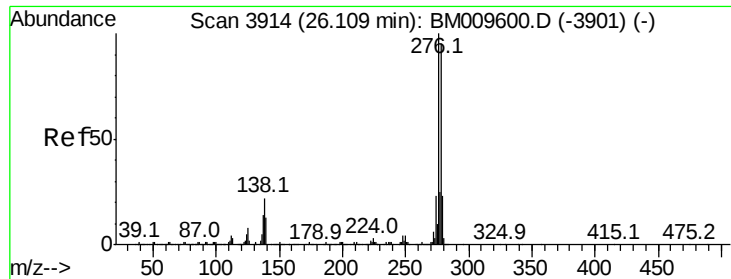
Delta R.T. -0.01 min

Lab File: BM009607.D

Acq: 06 Apr 2017 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	15.9	17.8	26.6	
277	24.4	19.4	29.0	





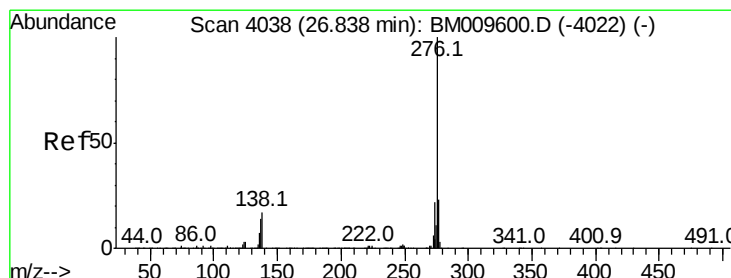
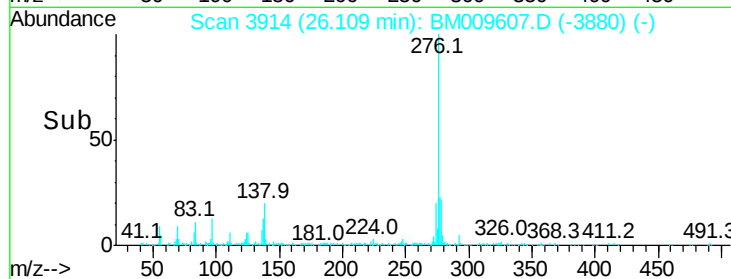
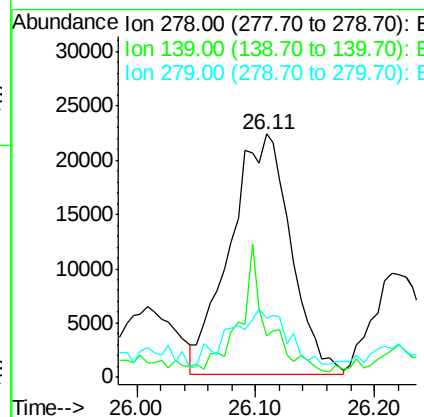
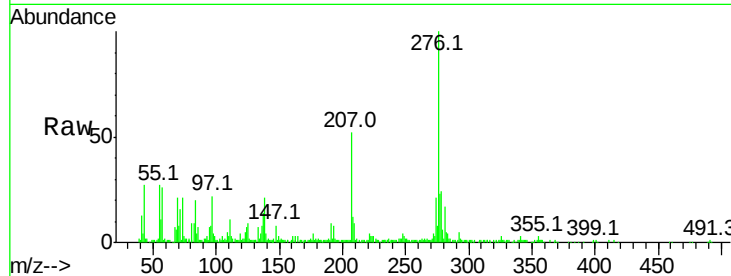
#29
Dibenzo(a,h)anthracene
Concen: 1.35 ng/ul m
RT: 26.11 min Scan# 3914
Delta R.T. -0.00 min
Lab File: BM009607.D
Acq: 06 Apr 2017 23:11

Instrument :
BNA_M
ClientSampleId :
CB347

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.9	14.0	21.0
279	24.3	20.6	31.0

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#30
Benzo(g,h,i)perylene
Concen: 4.75 ng/ul
RT: 26.84 min Scan# 4038
Delta R.T. -0.00 min
Lab File: BM009607.D
Acq: 06 Apr 2017 23:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.3	19.0	28.4#
277	21.2	19.7	29.5

