

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009602.D
 Acq On : 06 Apr 2017 20:11
 Operator : SJ/MA
 Sample : I2525-21
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB371

Manual Integrations
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mohammad
 4/7/2017 2:10:14 PM

Quant Time: Apr 07 03:29:23 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	133403	20.00	ng/ul	0.00
2) Naphthalene-d8	10.63	136	543924	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	305832	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	701712	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	972514	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	939326	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.25	165	207976	24.87	ng/uL	0.00
7) Acenaphthylene-d8	14.17	160	978727	32.65	ng/ul	0.00
10) Fluorene-d10	15.48	176	707056	32.80	ng/ul	0.00
15) Anthracene-d10	17.33	188	1115744	33.23	ng/ul	0.00
19) Pyrene-d10	19.63	212	1349392	33.76	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.59	264	1426270	34.39	ng/ul	0.00
Target Compounds						
9) Acenaphthene	14.54	153	20993	1.01	ng/ul	Qvalue 92
11) Fluorene	15.53	166	25680	1.02	ng/ul#	92
14) Phenanthrene	17.27	178	473748	12.01	ng/ul	97
16) Anthracene	17.37	178	104041	2.55	ng/ul	98
17) Fluoranthene	19.29	202	921247	18.75	ng/ul	95
20) Pyrene	19.66	202	892997	16.86	ng/ul	96
21) Benzo(a)anthracene	21.40	228	541314	9.84	ng/ul	99
22) Chrysene	21.45	228	503115	9.98	ng/ul	96
24) Benzo(b)fluoranthene	23.03	252	701496	12.08	ng/ul	97
25) Benzo(k)fluoranthene	23.07	252	195863m	3.54	ng/ul	
27) Benzo(a)pyrene	23.64	252	456701m	8.27	ng/ul	
28) Indeno(1,2,3-cd)pyrene	26.10	276	304865	4.92	ng/ul	95
29) Dibenzo(a,h)anthracene	26.10	278	87670m	1.67	ng/ul	
30) Benzo(a,h,i)perylene	26.83	276	290405	5.69	ng/ul	94

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

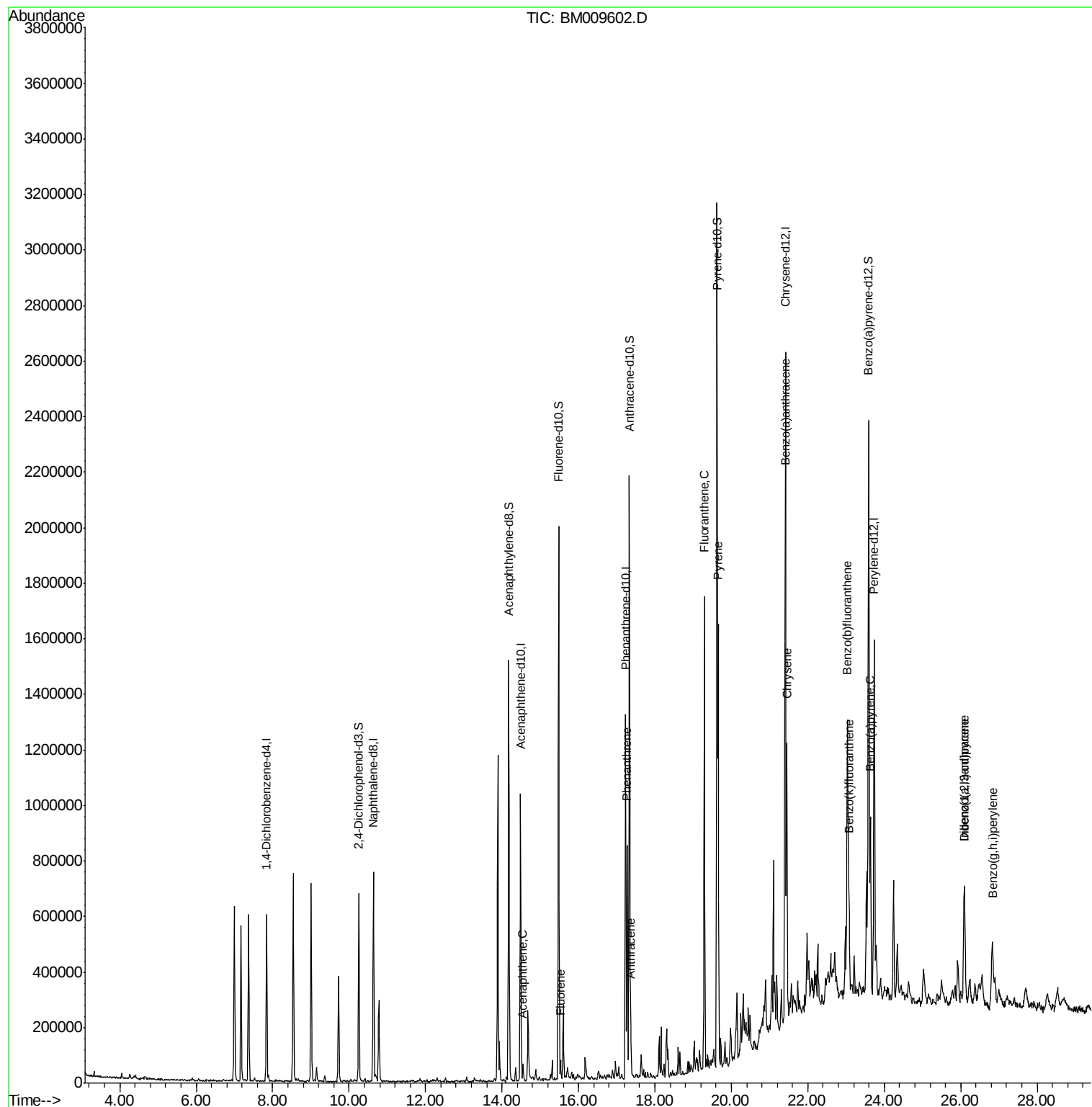
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
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ALS Vial : 19 Sample Multiplier: 1

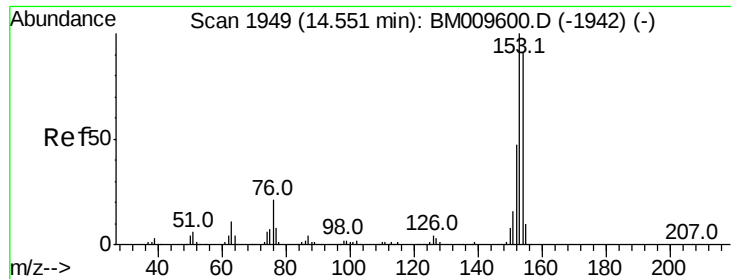
Instrument :
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Quant Time: Apr 07 03:29:23 2017
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 07 03:19:28 2017
Response via : Initial Calibration





#9

Acenaphthene

Concen: 1.01 ng/ul

RT: 14.54 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BM009602.D

Acq: 06 Apr 2017 20:11

Instrument :

BNA_M

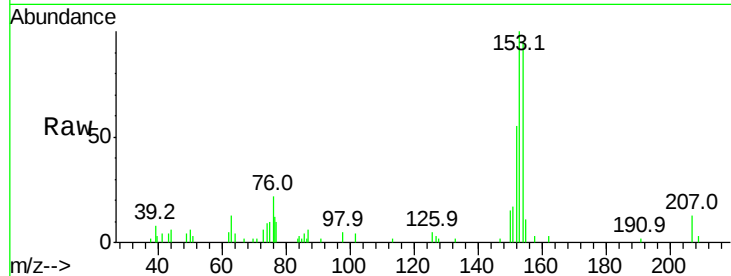
ClientSampleId :

CB371

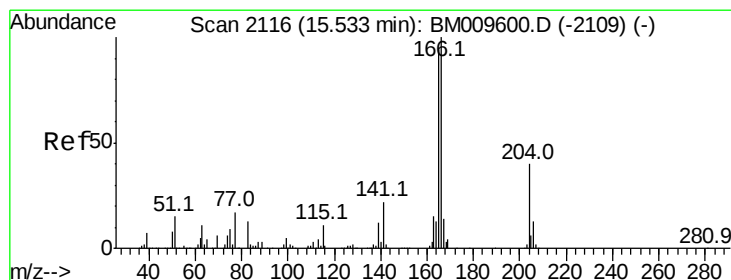
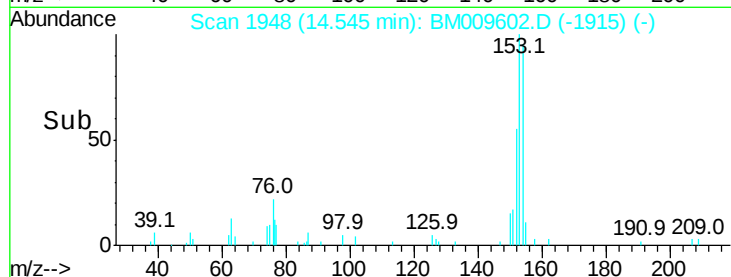
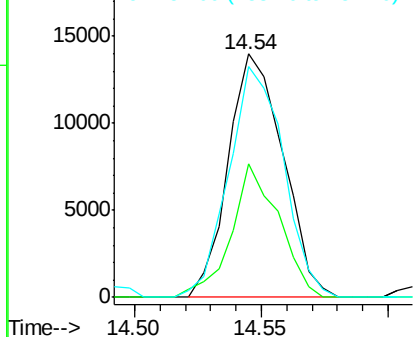
Tot Ion:	153	Resp:	20993
Ion Ratio	Lower	Upper	
153	100		
152	54.9	37.9	56.9
154	95.0	71.6	107.4

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 1.02 ng/ul

RT: 15.53 min Scan# 2116

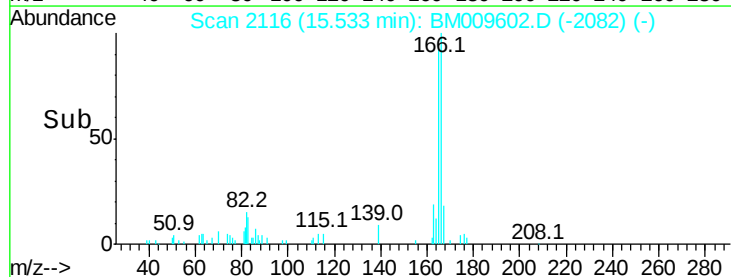
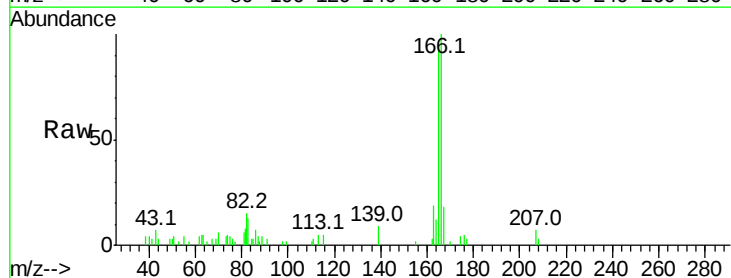
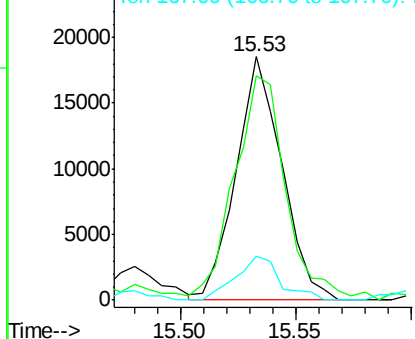
Delta R.T. 0.00 min

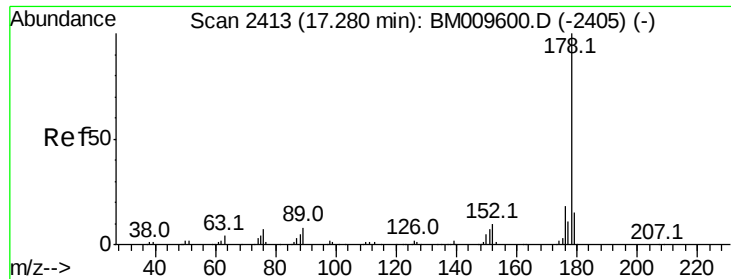
Lab File: BM009602.D

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Tgt Ion:	166	Resp:	25680
Ion Ratio	Lower	Upper	
166	100		
165	92.1	80.0	120.0
167	17.8	11.6	17.4#

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





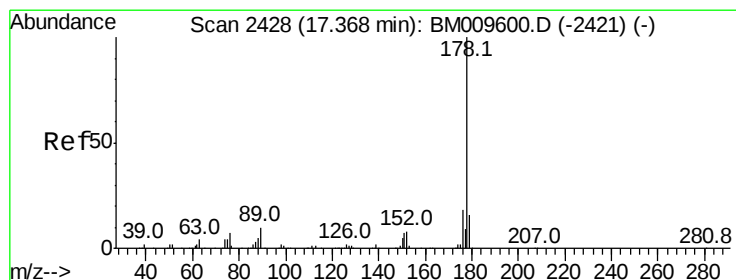
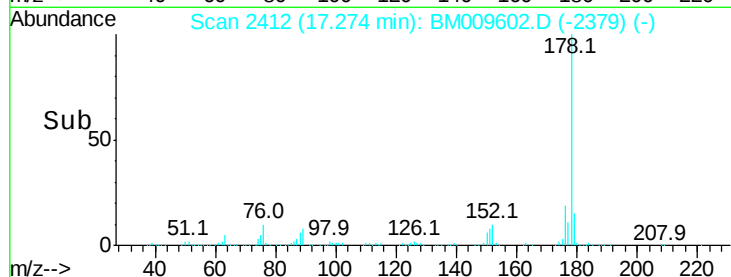
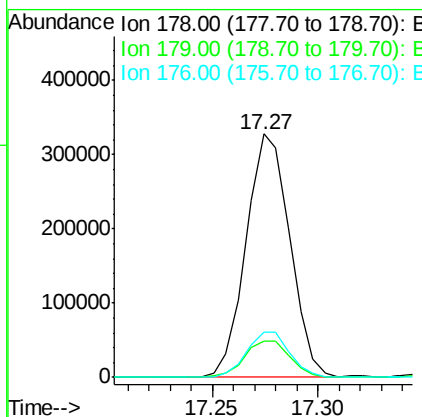
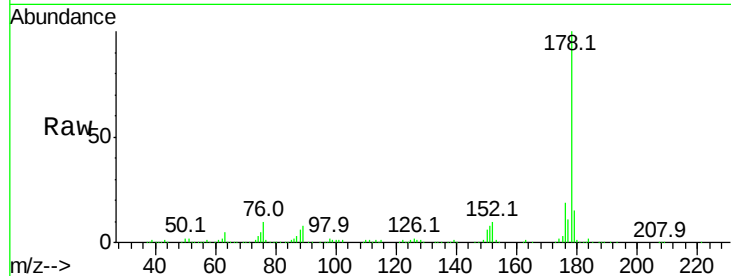
#14
Phenanthrene
Concen: 12.01 ng/ul
RT: 17.27 min Scan# 2412
Delta R.T. -0.01 min
Lab File: BM009602.D
Acq: 06 Apr 2017 20:11

Instrument :
BNA_M
ClientSampleId :
CB371

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.2	18.4
176	18.6	16.4	24.6

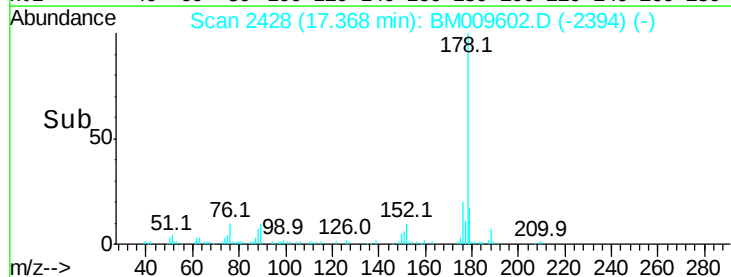
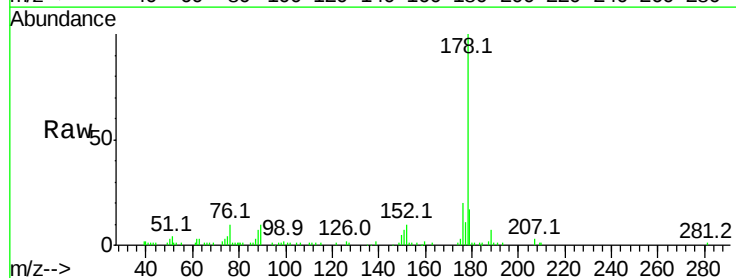
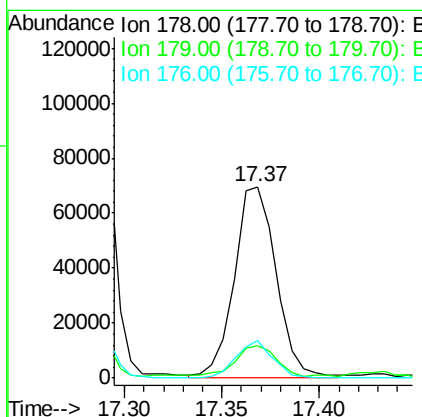
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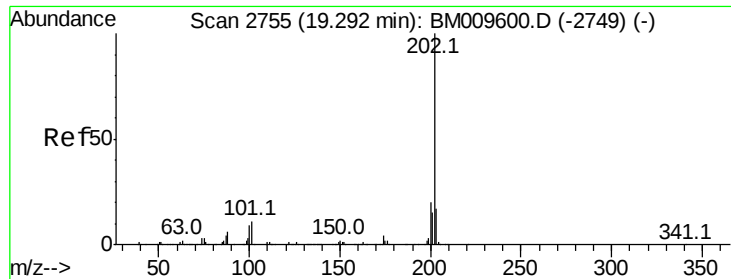
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#16
Anthracene
Concen: 2.55 ng/ul
RT: 17.37 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BM009602.D
Acq: 06 Apr 2017 20:11

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.1	12.7	19.1
176	19.5	15.8	23.8





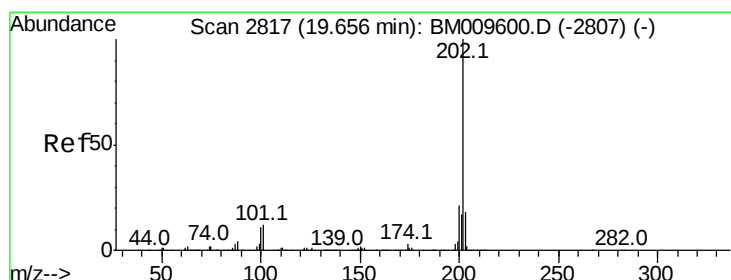
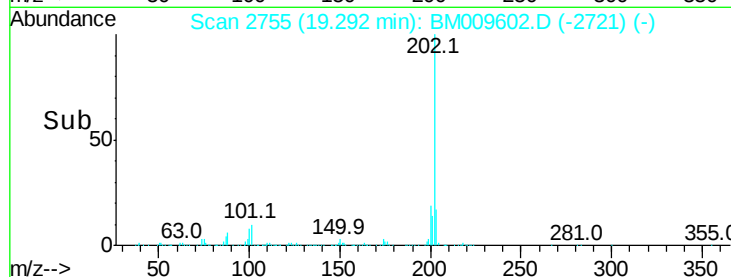
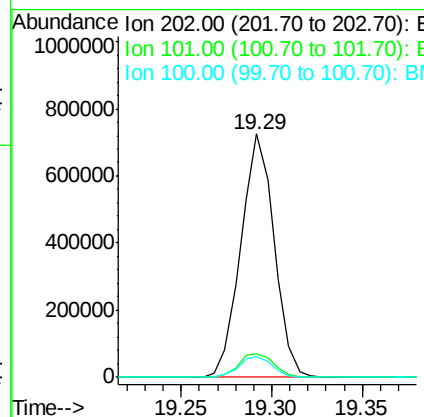
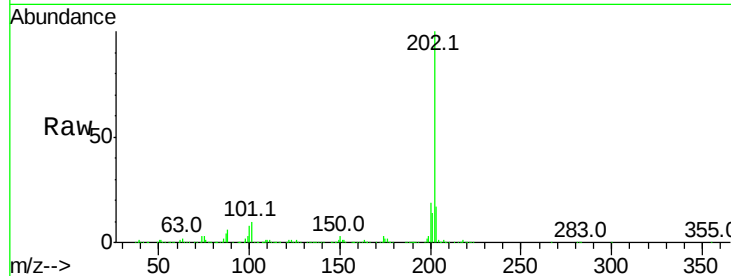
#17
Fluoranthene
 Concen: 18.75 ng/ul
 RT: 19.29 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BM009602.D
 Acq: 06 Apr 2017 20:11

Instrument :
 BNA_M
 ClientSampleId :
 CB371

Tot Ion:	202	Resp:	921247
Ion Ratio	Lower	Upper	
202	100		
101	9.9	9.8	14.8
100	8.4	7.5	11.3

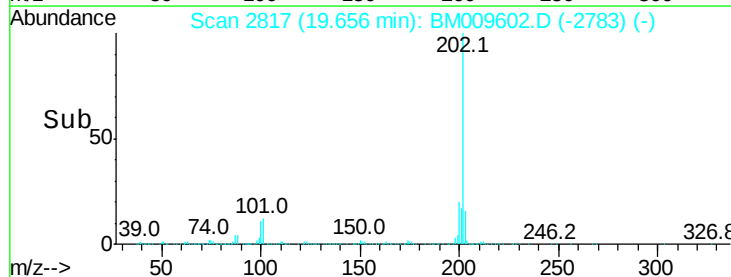
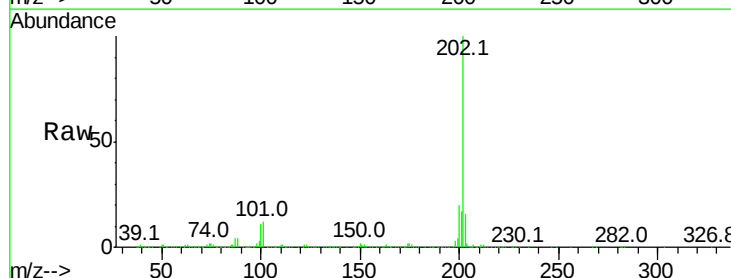
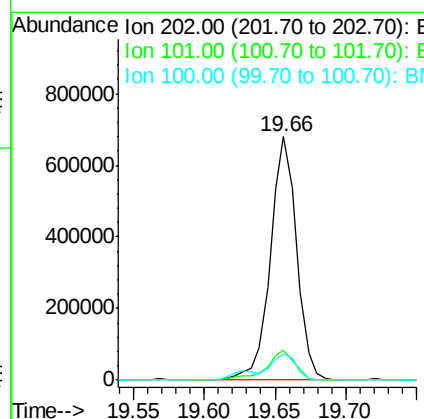
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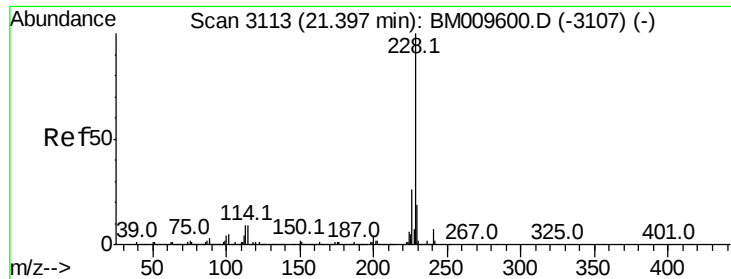
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#20
Pyrene
 Concen: 16.86 ng/ul
 RT: 19.66 min Scan# 2817
 Delta R.T. 0.00 min
 Lab File: BM009602.D
 Acq: 06 Apr 2017 20:11

Tgt Ion:	202	Resp:	892997
Ion Ratio	Lower	Upper	
202	100		
101	12.1	11.2	16.8
100	10.7	9.8	14.6





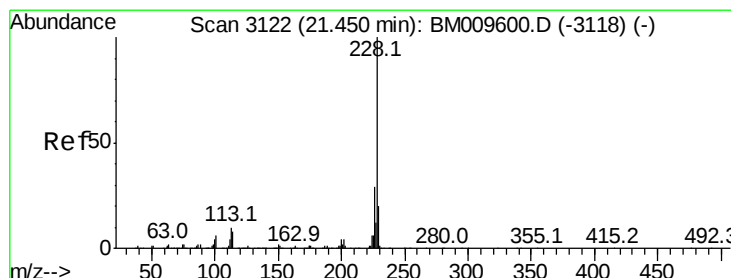
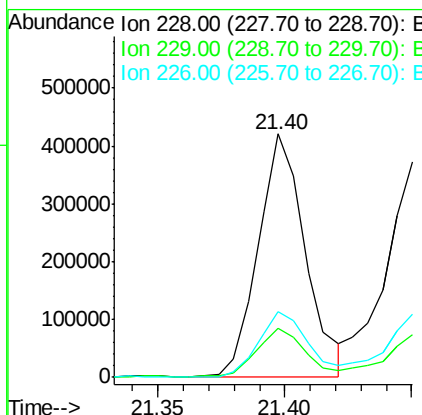
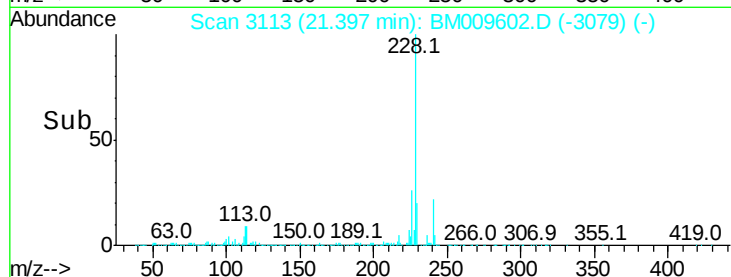
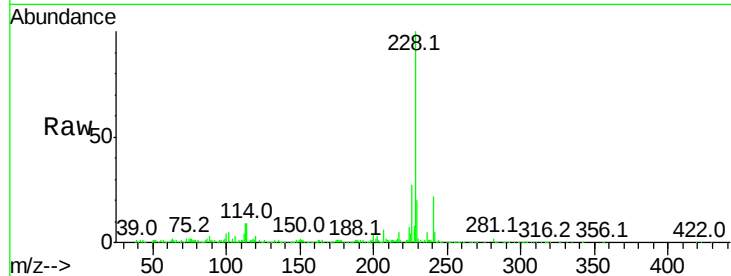
#21
Benzo(a)anthracene
Concen: 9.84 ng/ul
RT: 21.40 min Scan# 3113
Delta R.T. 0.00 min
Lab File: BM009602.D
Acq: 06 Apr 2017 20:11

Instrument :
BNA_M
ClientSampled :
CB371

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.9	23.9
226	26.8	22.1	33.1

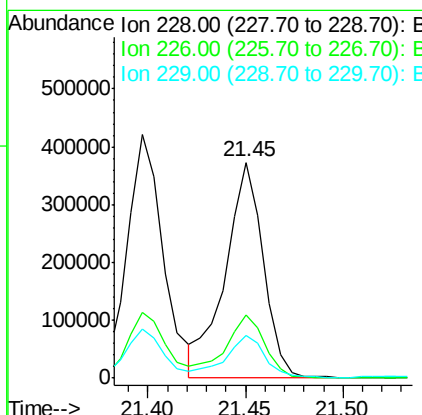
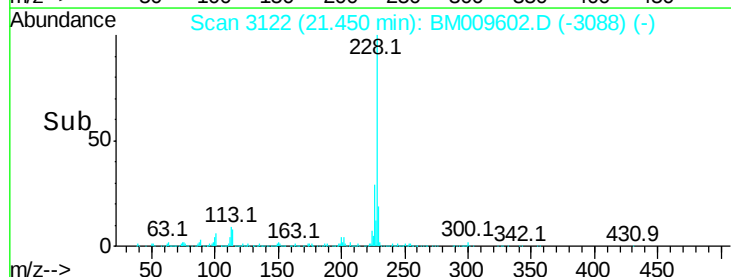
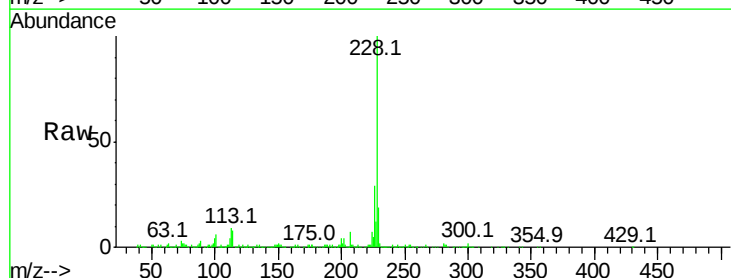
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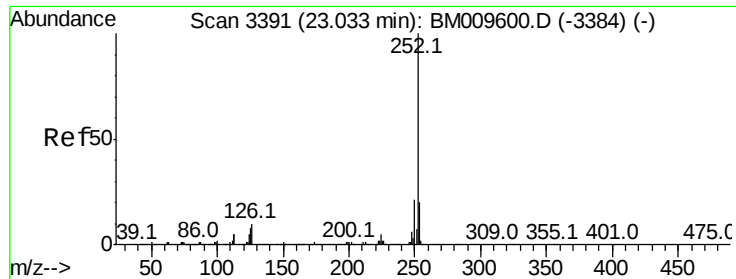
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#22
Chrysene
Concen: 9.98 ng/ul
RT: 21.45 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BM009602.D
Acq: 06 Apr 2017 20:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	19.5	16.6	25.0





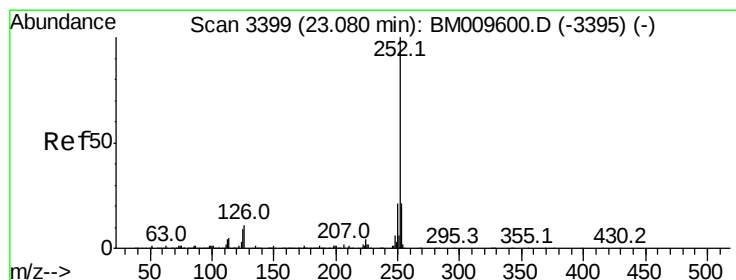
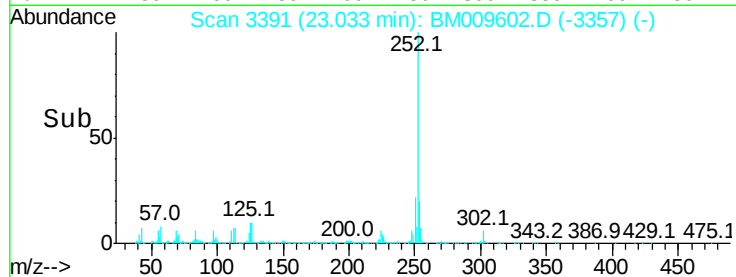
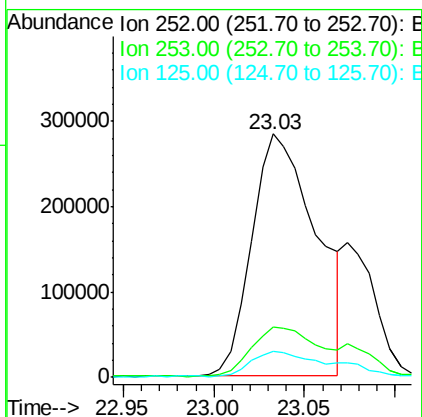
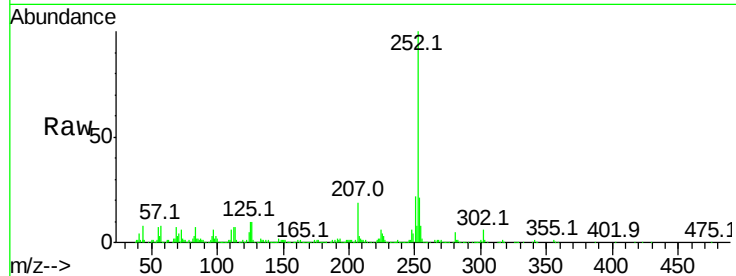
#24
Benzo(b)fluoranthene
Concen: 12.08 ng/ul
RT: 23.03 min Scan# 3391
Delta R.T. 0.00 min
Lab File: BM009602.D
Acq: 06 Apr 2017 20:11

Instrument :
BNA_M
ClientSampleId :
CB371

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.8	26.6
125	10.5	9.4	14.0

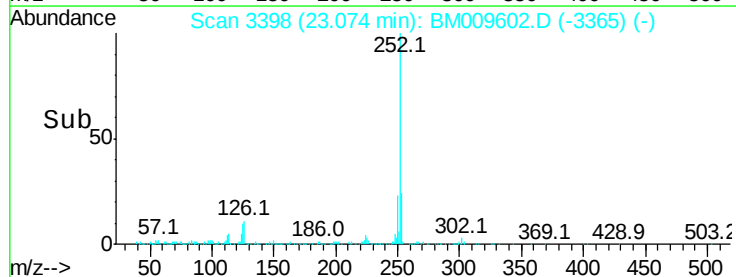
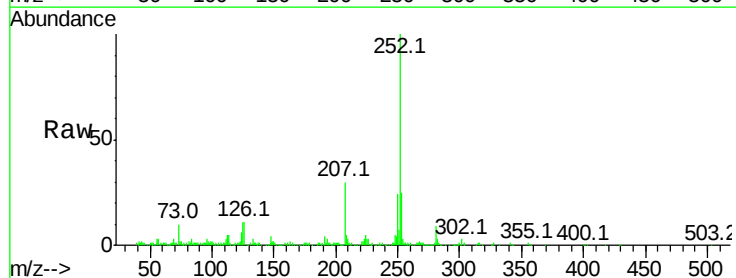
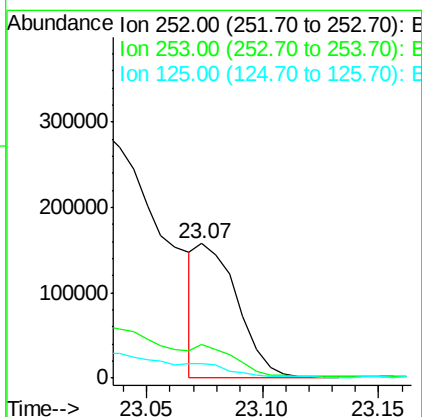
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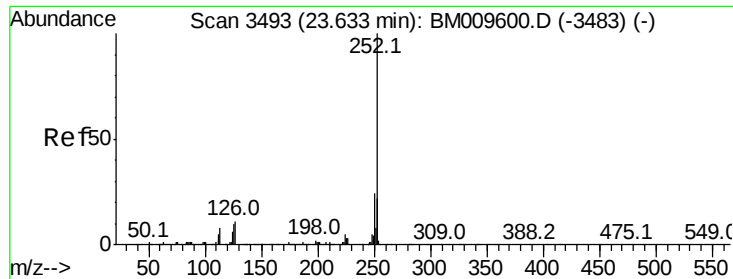
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#25
Benzo(k)fluoranthene
Concen: 3.54 ng/ul m
RT: 23.07 min Scan# 3398
Delta R.T. -0.01 min
Lab File: BM009602.D
Acq: 06 Apr 2017 20:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.4	26.2
125	10.6	8.8	13.2





#27

Benzo(a)pyrene

Concen: 8.27 ng/ul

RT: 23.64 min Scan# 3494

Delta R.T. 0.01 min

Lab File: BM009602.D

Acq: 06 Apr 2017 20:11

Instrument :

BNA_M

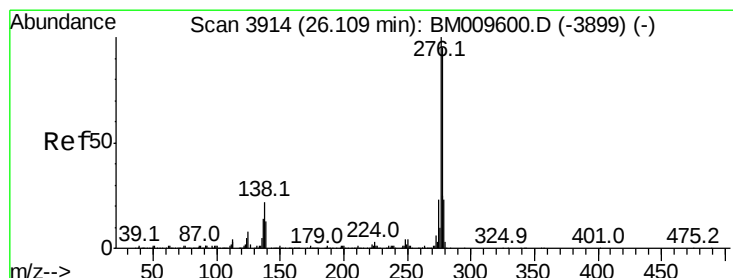
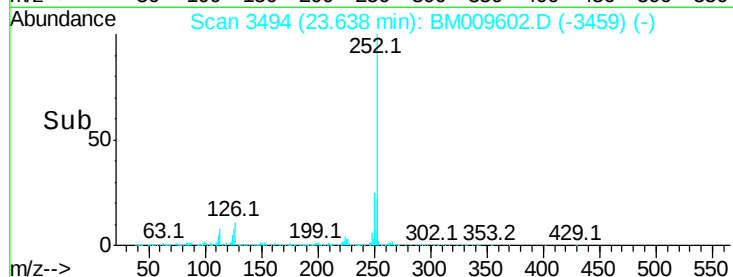
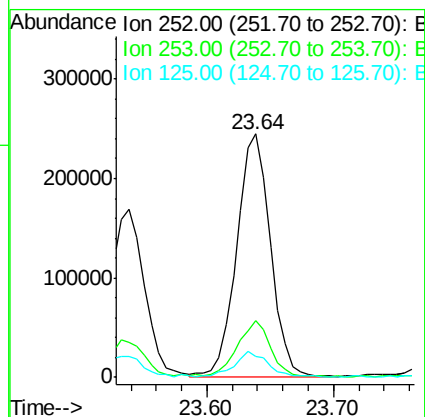
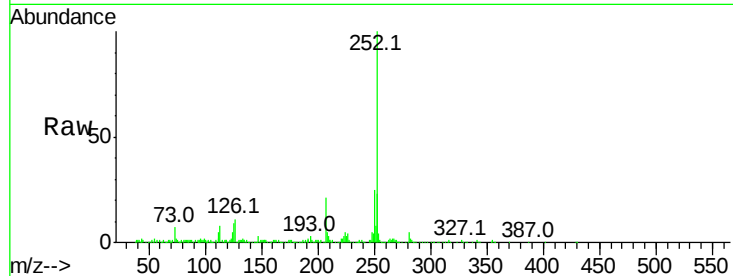
ClientSampleId :

CB371

Tot Ion:	252	Resp:	456701
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.1	25.7
125	8.8	9.4	14.2

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#28

Indeno(1,2,3-cd)pyrene

Concen: 4.92 ng/ul

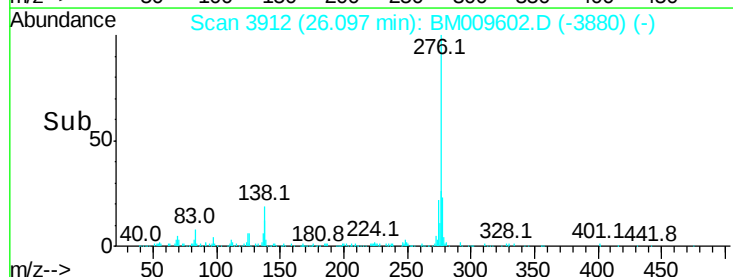
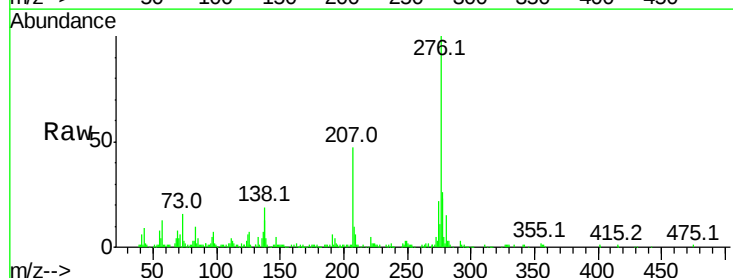
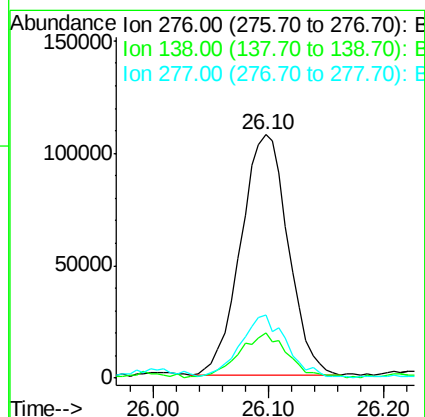
RT: 26.10 min Scan# 3912

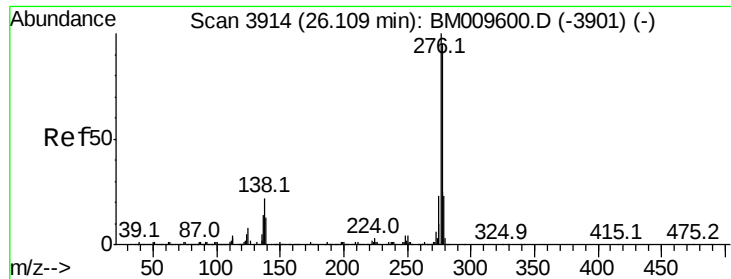
Delta R.T. -0.01 min

Lab File: BM009602.D

Acq: 06 Apr 2017 20:11

Tgt Ion:	276	Resp:	304865
Ion Ratio	Lower	Upper	
276	100		
138	18.6	17.8	26.6
277	25.8	19.4	29.0





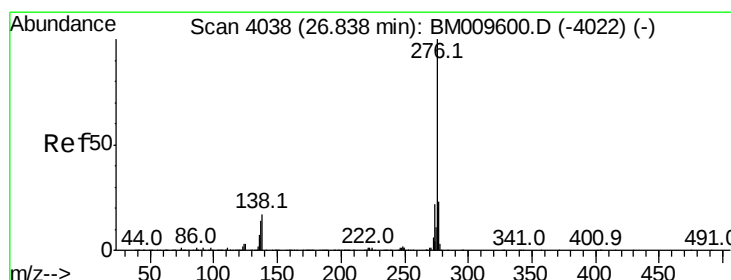
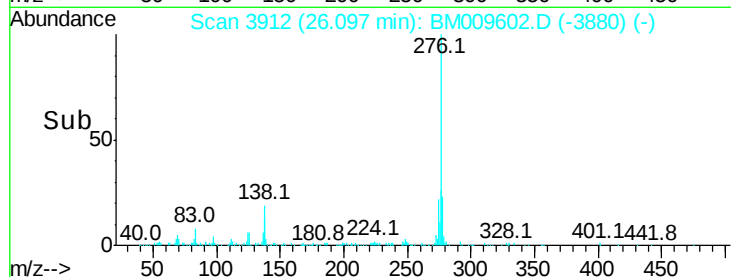
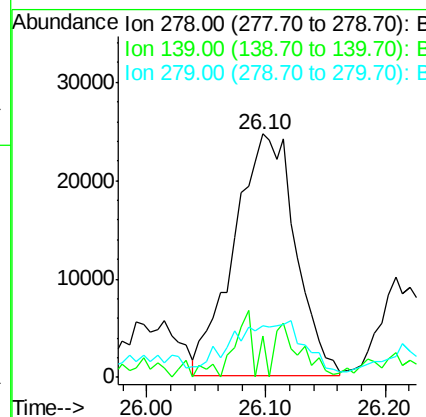
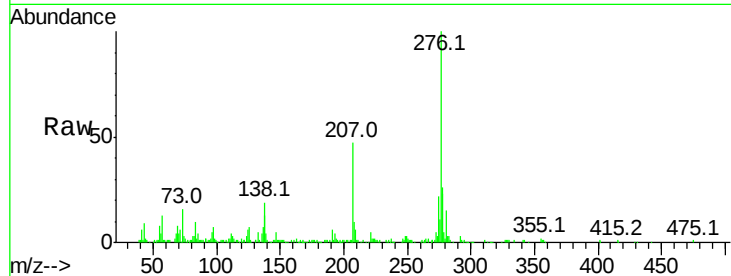
#29
Dibenzo(a,h)anthracene
Concen: 1.67 ng/ul m
RT: 26.10 min Scan# 3912
Delta R.T. -0.01 min
Lab File: BM009602.D
Acq: 06 Apr 2017 20:11

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
278	100		
139	17.3	14.0	21.0
279	21.3	20.6	31.0

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#30
Benzo(g,h,i)perylene
Concen: 5.69 ng/ul
RT: 26.83 min Scan# 4036
Delta R.T. -0.01 min
Lab File: BM009602.D
Acq: 06 Apr 2017 20:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.0	19.0	28.4
277	23.6	19.7	29.5

