

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031518\
 Data File : BM014599.D
 Acq On : 16 Mar 2018 04:52
 Operator : SJ/JU
 Sample : J1904-15
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEL38

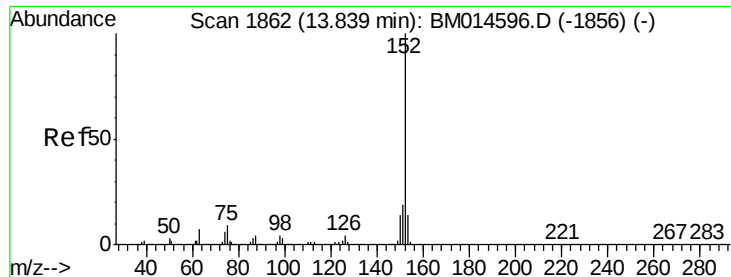
Manual Integrations
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 3/16/2018 5:10:13 PM

Quant Time: Mar 26 12:10:48 2018
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031518-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 16 15:09:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	103061	20.00	ng/ul	0.00
2) Naphthalene-d8	10.22	136	404836	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.12	164	208455	20.00	ng/ul	0.00
12) Phenanthrene-d10	16.89	188	416669	20.00	ng/ul	0.00
18) Chrysene-d12	21.12	240	408205	20.00	ng/ul	0.00
23) Perylene-d12	23.30	264	460799	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.90	165	119282	19.06	ng/ul	0.01
7) Acenaphthylene-d8	13.81	160	494528	22.20	ng/ul	0.00
10) Fluorene-d10	15.13	176	327799	22.46	ng/ul	0.00
15) Anthracene-d10	16.99	188	463274	23.22	ng/ul	0.00
19) Pyrene-d10	19.31	212	469479	19.13	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.16	264	489765	21.97	ng/ul	0.02
Target Compounds				Qvalue		
8) Acenaphthylene	13.84	152	189856	9.181	ng/ul	95
9) Acenaphthene	14.19	153	23568	1.665	ng/ul	95
11) Fluorene	15.19	166	46257	2.758	ng/ul#	86
14) Phenanthrene	16.93	178	667308	28.597	ng/ul	99
16) Anthracene	17.03	178	289684	12.419	ng/ul	98
17) Fluoranthene	18.97	202	989185	37.346	ng/ul	98
20) Pyrene	19.34	202	1269226	41.343	ng/ul	99
21) Benzo(a)anthracene	21.10	228	636682	24.664	ng/ul#	94
22) Chrysene	21.16	228	619386	26.095	ng/ul	95
24) Benzo(b)fluoranthene	22.66	252	851609	29.396	ng/ul#	96
25) Benzo(k)fluoranthene	22.69	252	176733m	6.421	ng/ul	
27) Benzo(a)pyrene	23.21	252	730512	26.565	ng/ul#	93
28) Indeno(1,2,3-cd)pyrene	25.49	276	438092	13.842	ng/ul#	89
29) Dibenzo(a,h)anthracene	25.49	278	155074m	5.854	ng/ul	
30) Benzo(g,h,i)perylene	26.16	276	549691	21.804	ng/ul#	89

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



#8

Acenaphthylene

Concen: 9.181 ng/ul

RT: 13.84 min Scan# 1863

Delta R.T. 0.01 min

Lab File: BM014599.D

Acq: 16 Mar 2018 04:52

Instrument :

BNA_M

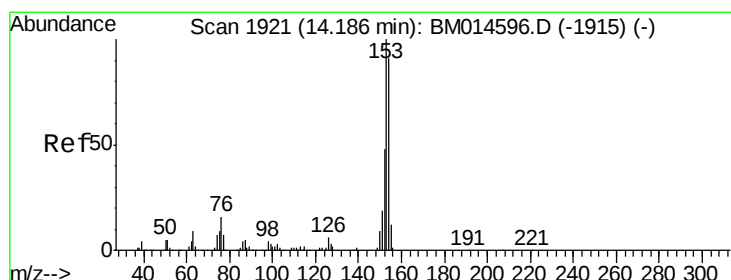
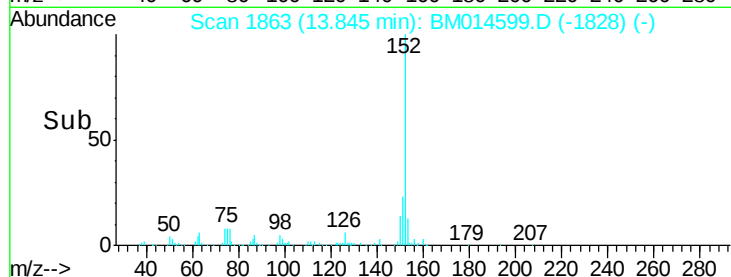
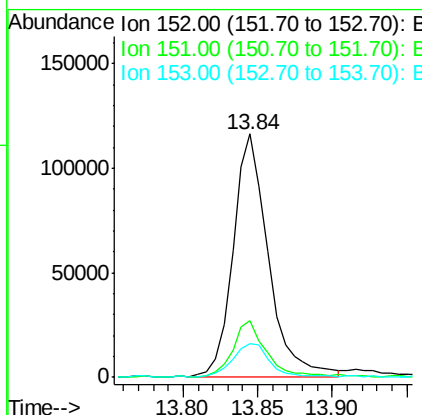
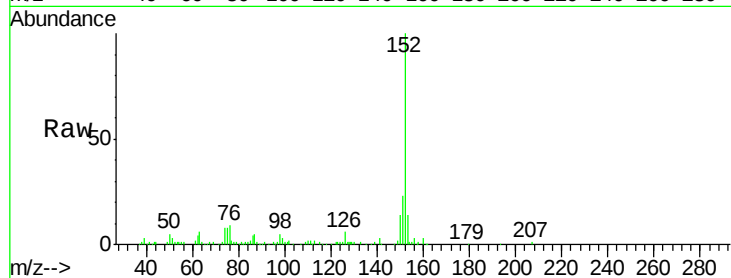
ClientSampleId :

BEL38

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	189856		
151	23.1	16.3	24.5	
153	14.0	10.2	15.4	

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#9

Acenaphthene

Concen: 1.665 ng/ul

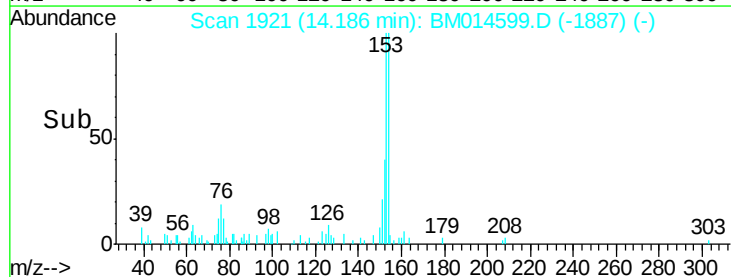
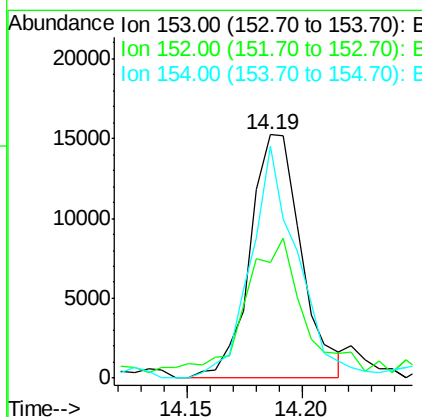
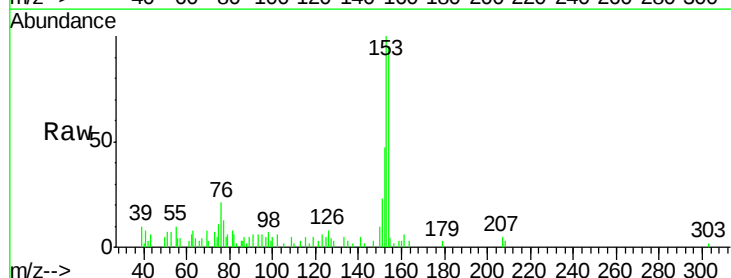
RT: 14.19 min Scan# 1921

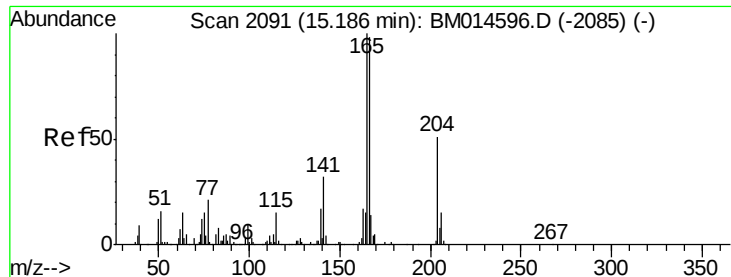
Delta R.T. -0.00 min

Lab File: BM014599.D

Acq: 16 Mar 2018 04:52

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	23568		
152	47.3	37.6	56.4	
154	95.5	70.4	105.6	





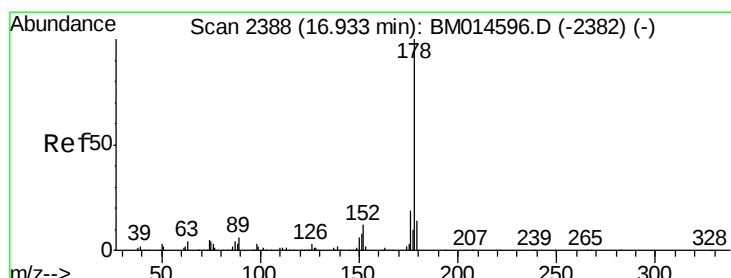
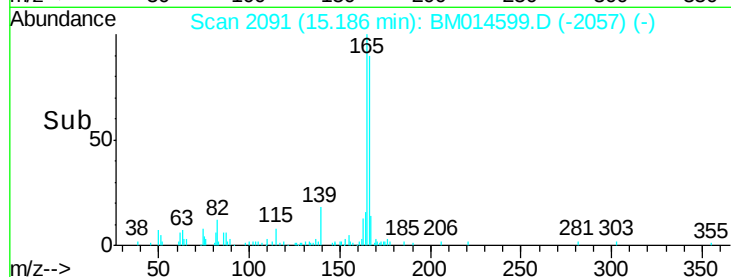
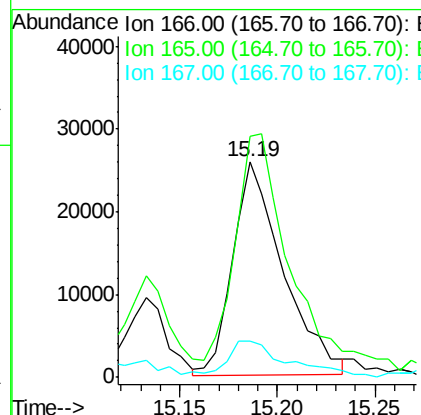
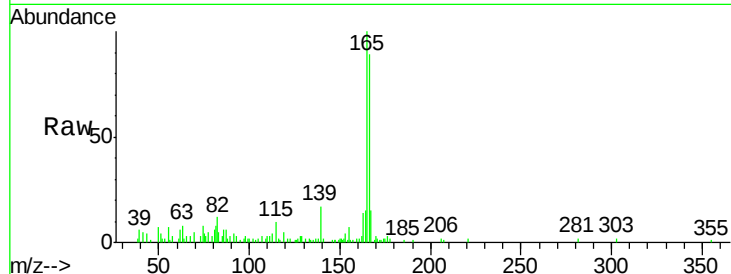
#11
 Fluorene
 Concen: 2.758 ng/ul
 RT: 15.19 min Scan# 2091
 Delta R.T. -0.00 min
 Lab File: BM014599.D
 Acq: 16 Mar 2018 04:52

Instrument :
 BNA_M
 ClientSampleId :
 BEL38

Tgt Ion	Ratio	Lower	Upper
166	100		
165	111.8	77.9	116.9
167	16.9	10.6	16.0

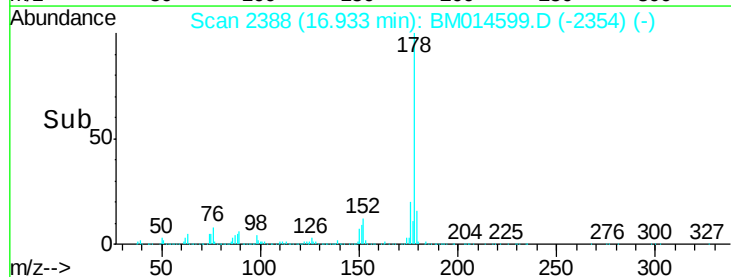
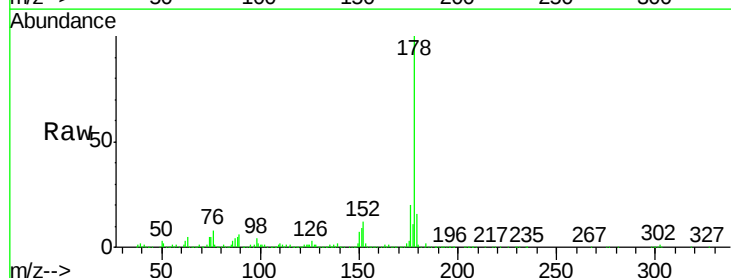
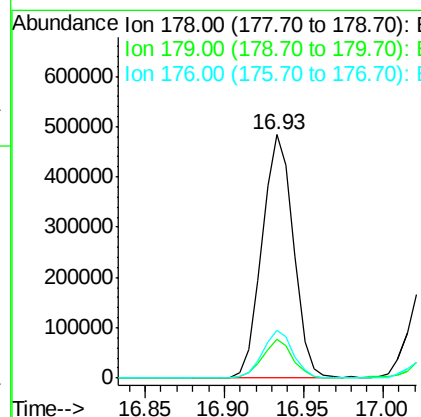
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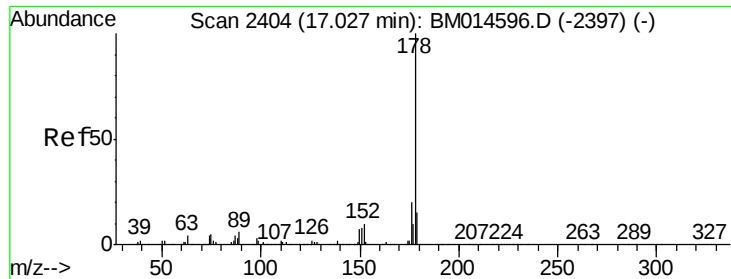
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#14
 Phenanthrene
 Concen: 28.597 ng/ul
 RT: 16.93 min Scan# 2388
 Delta R.T. -0.00 min
 Lab File: BM014599.D
 Acq: 16 Mar 2018 04:52

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.6	19.0
176	19.7	14.9	22.3





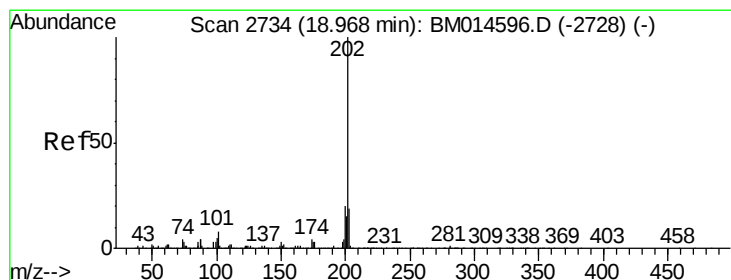
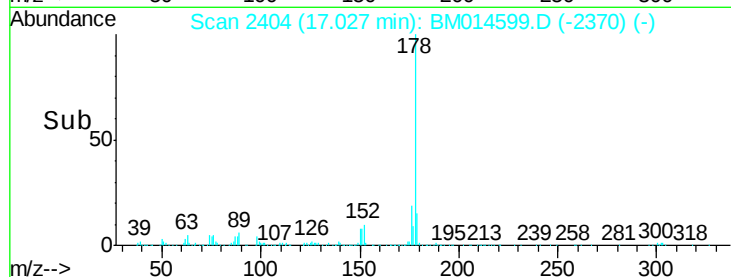
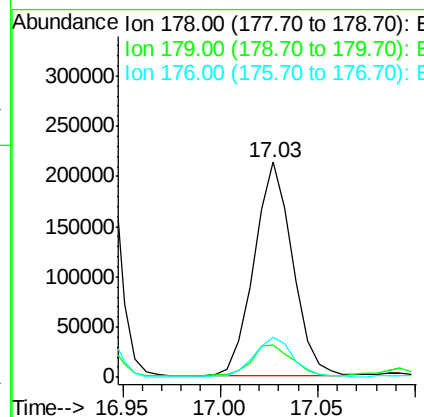
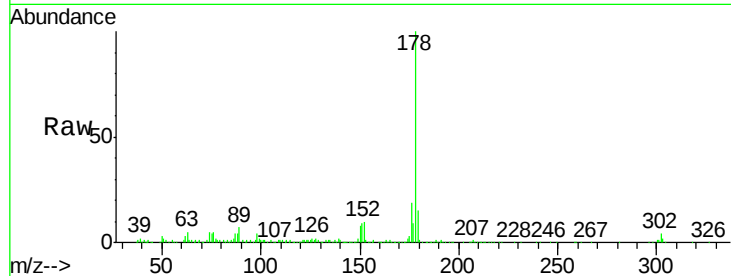
#16
 Anthracene
 Concen: 12.419 ng/ul
 RT: 17.03 min Scan# 2404
 Delta R.T. -0.00 min
 Lab File: BM014599.D
 Acq: 16 Mar 2018 04:52

Instrument :
 BNA_M
 ClientSampleId :
 BEL38

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.7	17.5
176	18.8	14.6	21.8

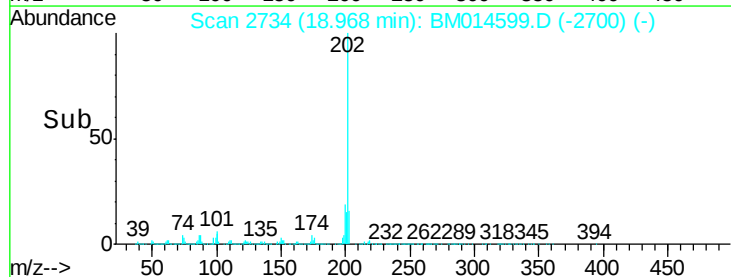
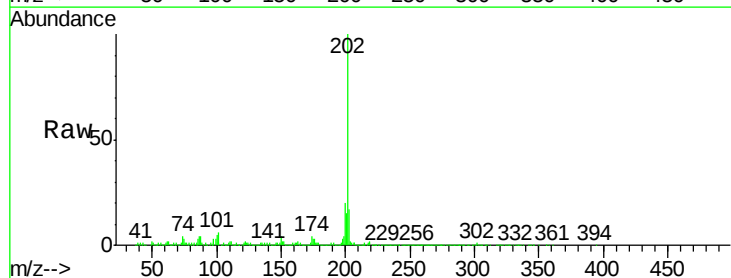
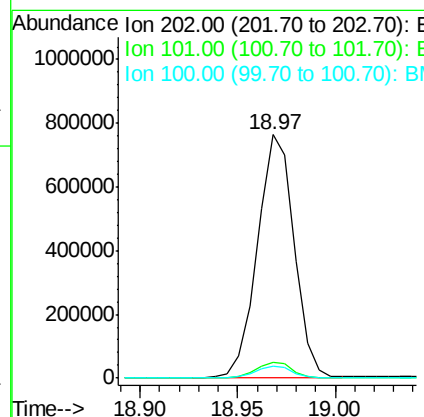
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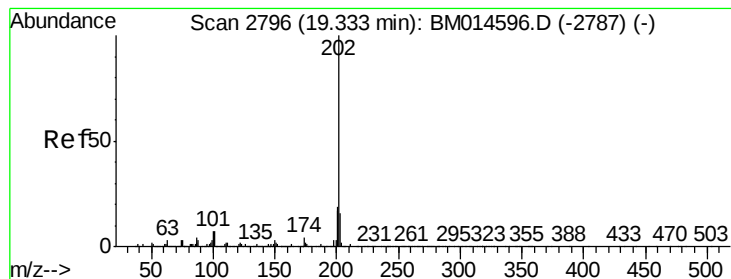
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#17
 Fluoranthene
 Concen: 37.346 ng/ul
 RT: 18.97 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: BM014599.D
 Acq: 16 Mar 2018 04:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.2	4.6	7.0
100	5.0	3.4	5.2





#20

Pyrene

Concen: 41.343 ng/ul

RT: 19.34 min Scan# 2797

Delta R.T. -0.00 min

Lab File: BM014599.D

Acq: 16 Mar 2018 04:52

Instrument :

BNA_M

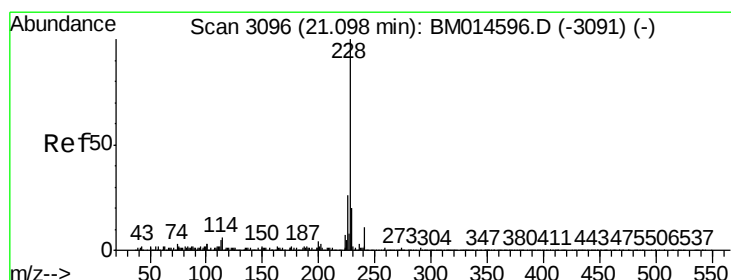
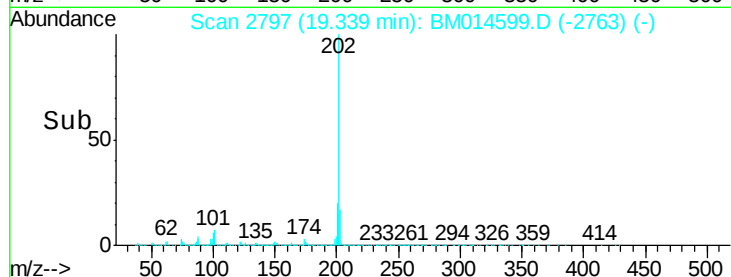
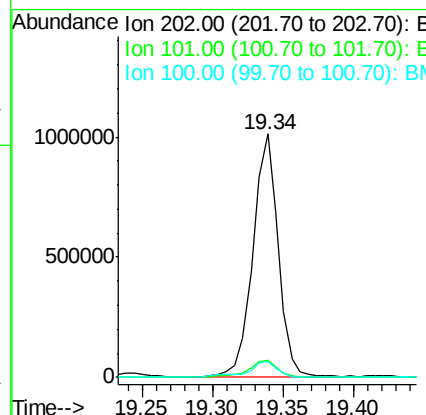
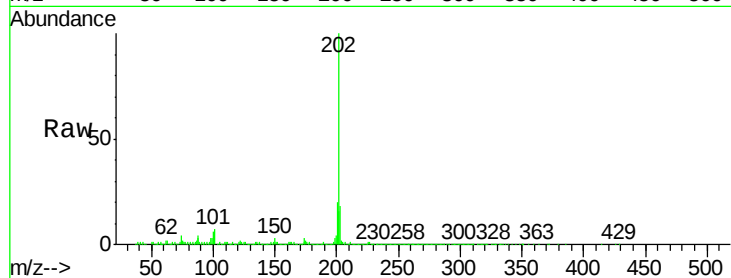
ClientSampled :

BEL38

Tgt Ion:	202	Resp:	1269226
Ion Ratio	Lower	Upper	
202	100		
101	7.0	5.1	7.7
100	6.3	4.9	7.3

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#21

Benzo(a)anthracene

Concen: 24.664 ng/ul

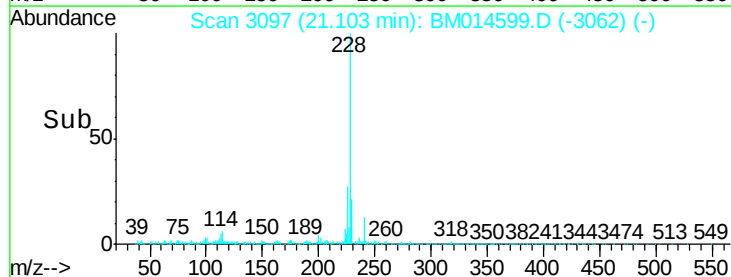
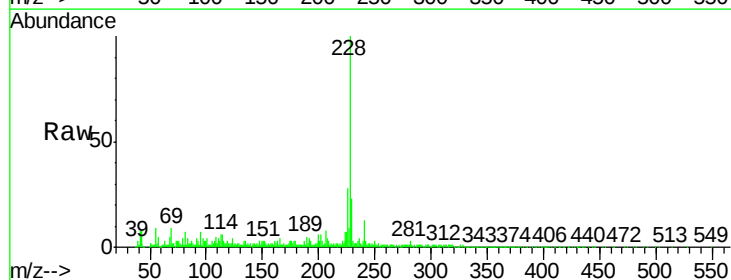
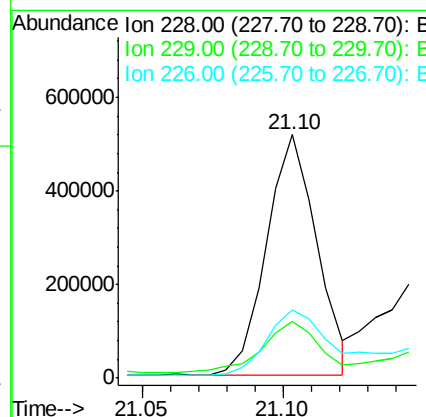
RT: 21.10 min Scan# 3097

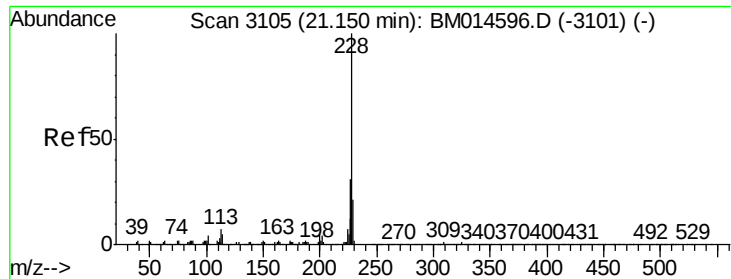
Delta R.T. 0.01 min

Lab File: BM014599.D

Acq: 16 Mar 2018 04:52

Tgt Ion:	228	Resp:	636682
Ion Ratio	Lower	Upper	
228	100		
229	23.2	15.4	23.0#
226	28.3	21.4	32.0





#22

Chrysene

Concen: 26.095 ng/ul

RT: 21.16 min Scan# 3106

Delta R.T. 0.01 min

Lab File: BM014599.D

Acq: 16 Mar 2018 04:52

Instrument :

BNA_M

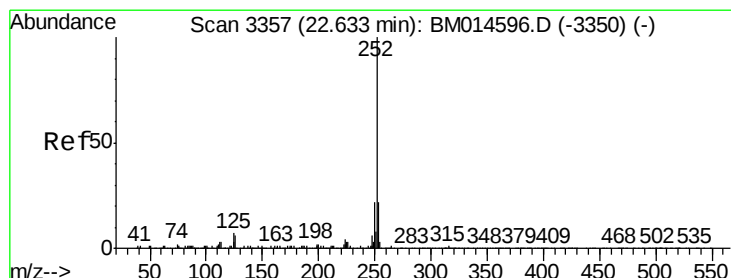
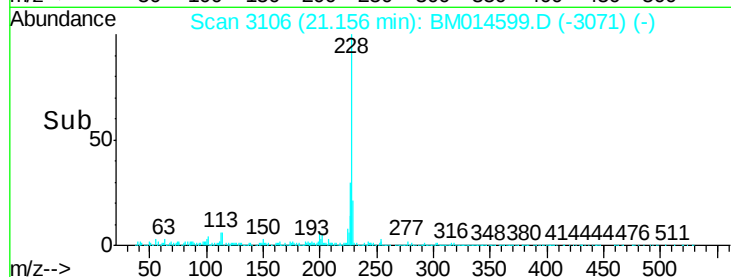
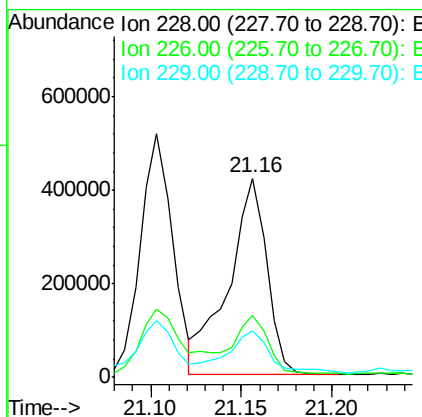
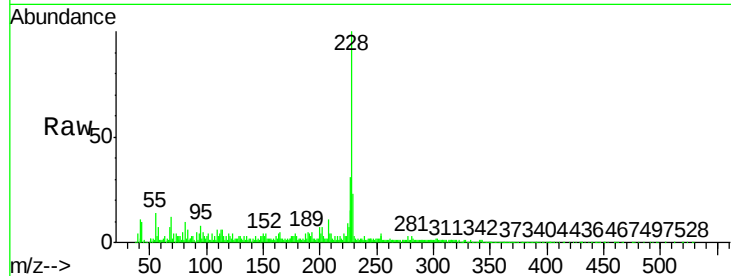
ClientSampled :

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Tgt Ion:	228	Resp:	619386
Ion Ratio		Lower	Upper
228	100		
226	31.2	23.4	35.2
229	23.2	15.5	23.3

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#24

Benzo(b)fluoranthene

Concen: 29.396 ng/ul

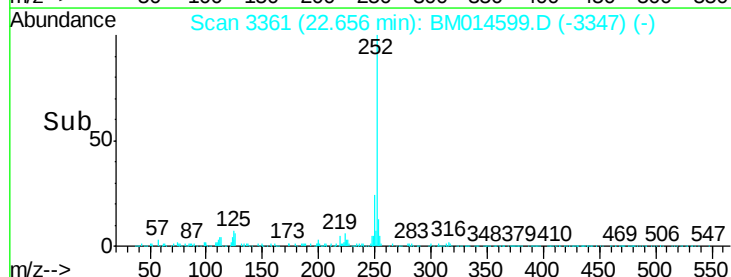
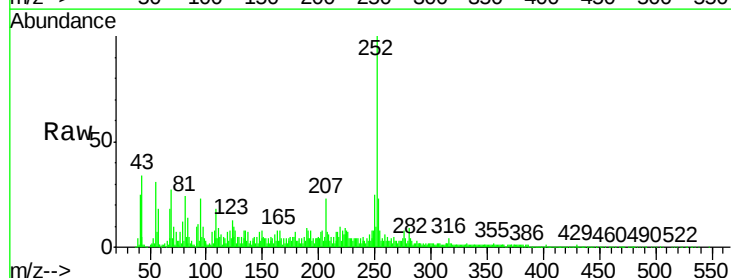
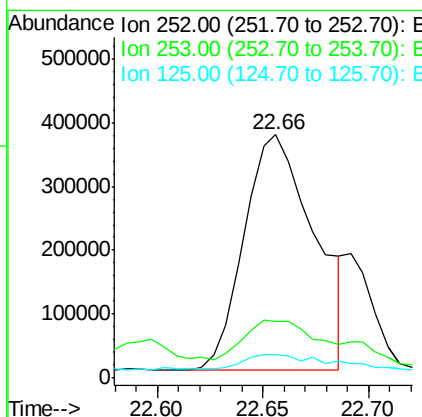
RT: 22.66 min Scan# 3361

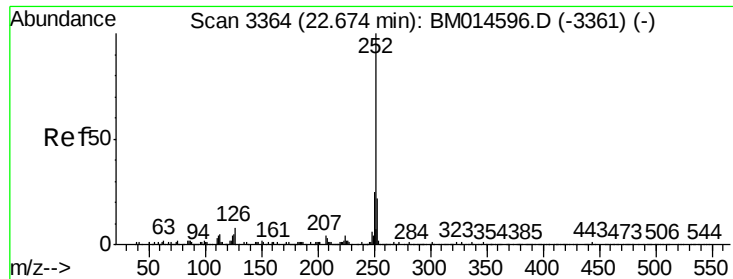
Delta R.T. 0.02 min

Lab File: BM014599.D

Acq: 16 Mar 2018 04:52

Tgt Ion:	252	Resp:	851609
Ion Ratio		Lower	Upper
252	100		
253	23.3	17.9	26.9
125	9.7	3.6	5.4#





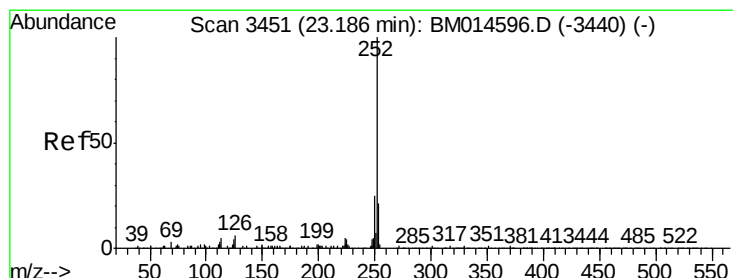
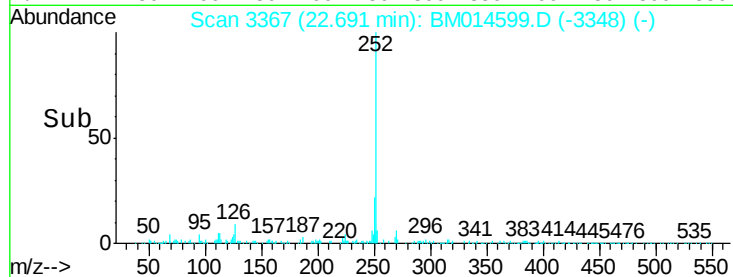
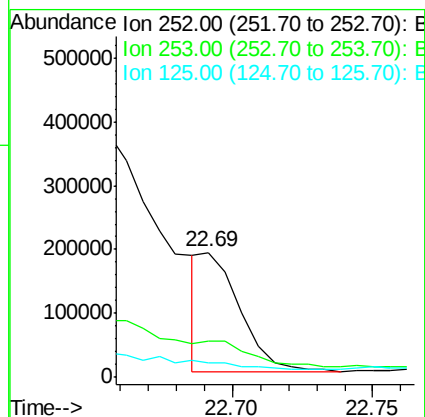
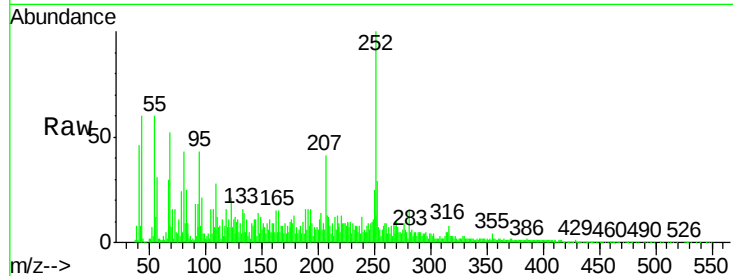
#25
Benzo(k)fluoranthene
Concen: 6.421 ng/u1 m
RT: 22.69 min Scan# 3367
Delta R.T. 0.01 min
Lab File: BM014599.D
Acq: 16 Mar 2018 04:52

Instrument :
BNA_M
ClientSampled :
BEL38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.2	17.1	25.7#
125	11.5	3.4	5.2#

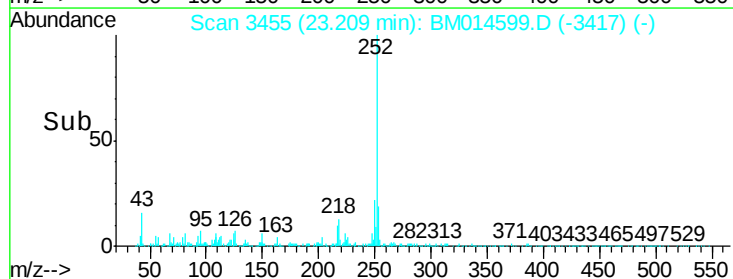
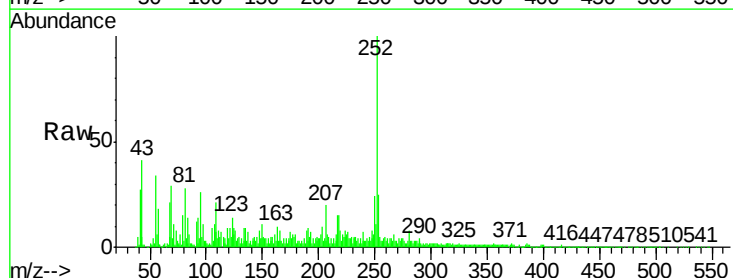
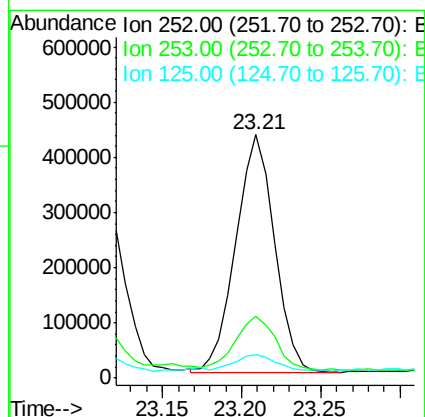
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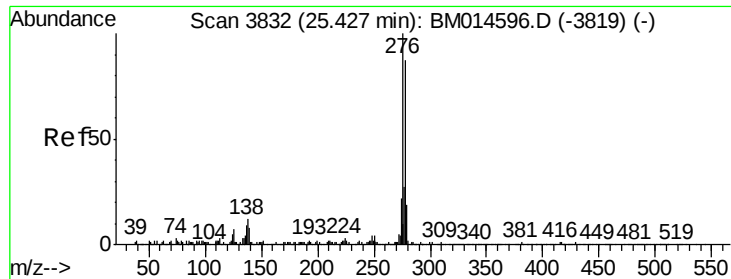
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#27
Benzo(a)pyrene
Concen: 26.565 ng/u1
RT: 23.21 min Scan# 3455
Delta R.T. 0.02 min
Lab File: BM014599.D
Acq: 16 Mar 2018 04:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.2	27.2
125	9.4	4.0	6.0#





#28

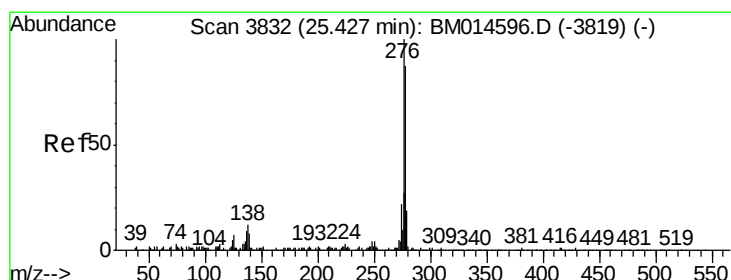
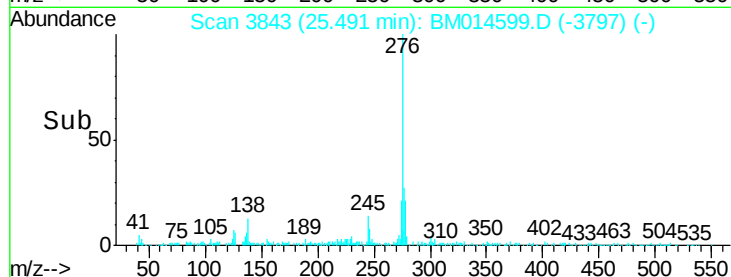
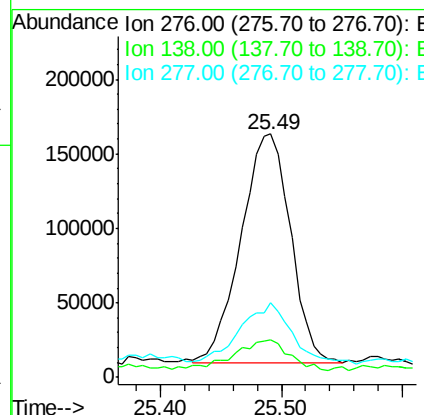
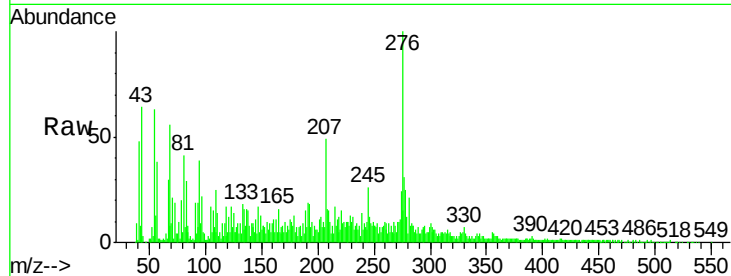
Indeno(1,2,3-cd)pyrene
Concen: 13.842 ng/ul
RT: 25.49 min Scan# 3843
Delta R.T. 0.07 min
Lab File: BM014599.D
Acq: 16 Mar 2018 04:52

Instrument :
BNA_M
ClientSampled :
BEL38

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.5	9.3	13.9#
277	30.6	19.9	29.9#

Manual Integrations
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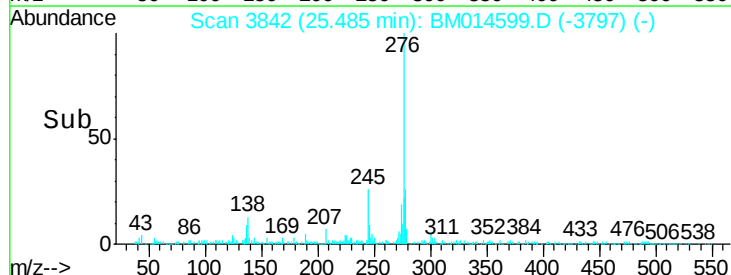
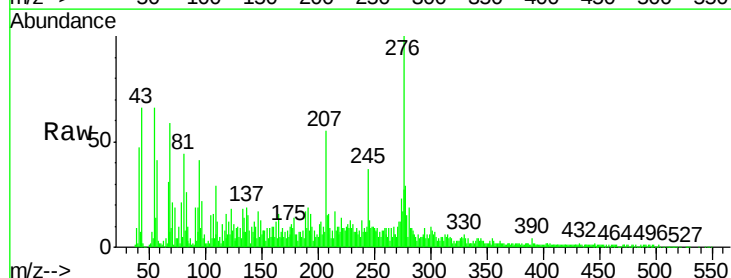
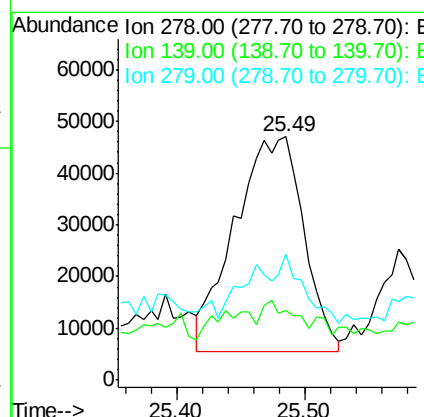
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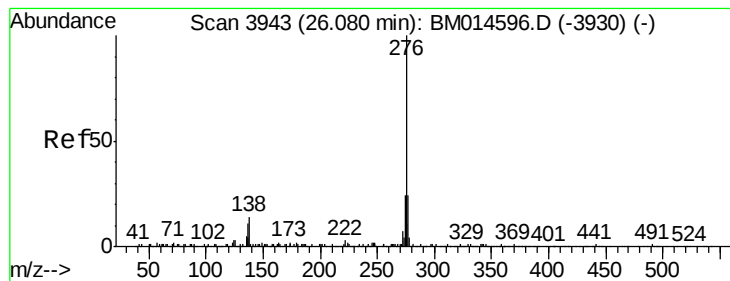


#29

Dibenzo(a,h)anthracene
Concen: 5.854 ng/ul m
RT: 25.49 min Scan# 3842
Delta R.T. 0.06 min
Lab File: BM014599.D
Acq: 16 Mar 2018 04:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.5	5.8	8.8#
279	51.8	18.6	27.8#





#30

Benzo(g,h,i)perylene

Concen: 21.804 ng/ul

RT: 26.16 min Scan# 3957

Delta R.T. 0.08 min

Lab File: BM014599.D

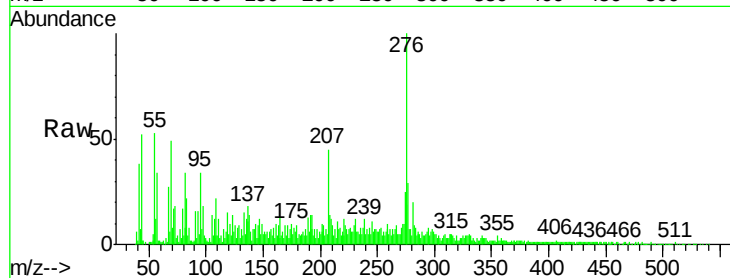
Acq: 16 Mar 2018 04:52

Instrument :

BNA_M

ClientSampleId :

BEL38



Tgt Ion: 276 Resp: 549691

Ion Ratio Lower Upper

276 100

138 14.5 8.5 12.7#

277 28.7 18.6 28.0#

Manual Integrations
APPROVED

Sohil
3/16/2018 5:10:13 PM

