Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031618\
Data File : BM014604.D
Acq On : 16 Mar 2018 10:21
Operator : SJ/JU
Sample : J1904-09RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEL21RE

Manual Integrations APPROVED
Sohil
3/19/2018 2:24:53 PM

Quant Time: Mar 19 11:50:18 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031518-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 17 03:22:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	100475	20.00	ng/ul	0.00
2) Naphthalene-d8	10.23	136	359064	20.00	ng/ul	0.02
6) Acenaphthene-d10	14.13	164	200595	20.00	ng/ul	0.01
12) Phenanthrene-d10	16.91	188	426931	20.00	ng/ul	0.02
18) Chrysene-d12	21.20	240	1500026	20.00	ng/ul	0.08
23) Perylene-d12	23.41	264	1197925m	20.00	ng/ul	0.14
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.90	165	82158	14.81	ng/ul	0.02
7) Acenaphthylene-d8	13.82	160	309008	14.41	ng/ul	0.01
10) Fluorene-d10	15.14	176	200972	14.31	ng/ul	0.01
15) Anthracene-d10	17.00	188	333427	16.31	ng/ul	0.01
19) Pyrene-d10	19.35	212	681359	7.56	ng/ul	0.05
26) Benzo(a)pyrene-d12	23.27	264	979291m	16.90	ng/ul	0.14
Target Compounds						Qvalue
4) Naphthalene	10.28	128	128207	7.030	ng/ul#	94
5) 2-Methylnaphthalene	11.91	142	274562	21.516	ng/ul	96
8) Acenaphthylene	13.86	152	62491	3.141	ng/ul#	55
9) Acenaphthene	14.20	153	119047	8.742	ng/ul	99
11) Fluorene	15.20	166	144865	8.977	ng/ul#	97
14) Phenanthrene	16.95	178	780149	32.629	ng/ul#	93
16) Anthracene	17.04	178	130441	5.458	ng/ul#	83
17) Fluoranthene	19.01	202	1783556	65.718	ng/ul#	86
20) Pyrene	19.39	202	2827896	25.067	ng/ul#	81
21) Benzo(a)anthracene	21.22	228	2372612m	25.012	ng/ul	
22) Chrysene	21.23	228	1058673m	12.138	ng/ul	
27) Benzo(a)pyrene	23.32	252	1237591m	17.312	ng/ul	
28) Indeno(1,2,3-cd)pyrene	25.60	276	392811m	4.774	ng/ul	
30) Benzo(g,h,i)perylene	26.27	276	374020m	5.707	ng/ul	

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

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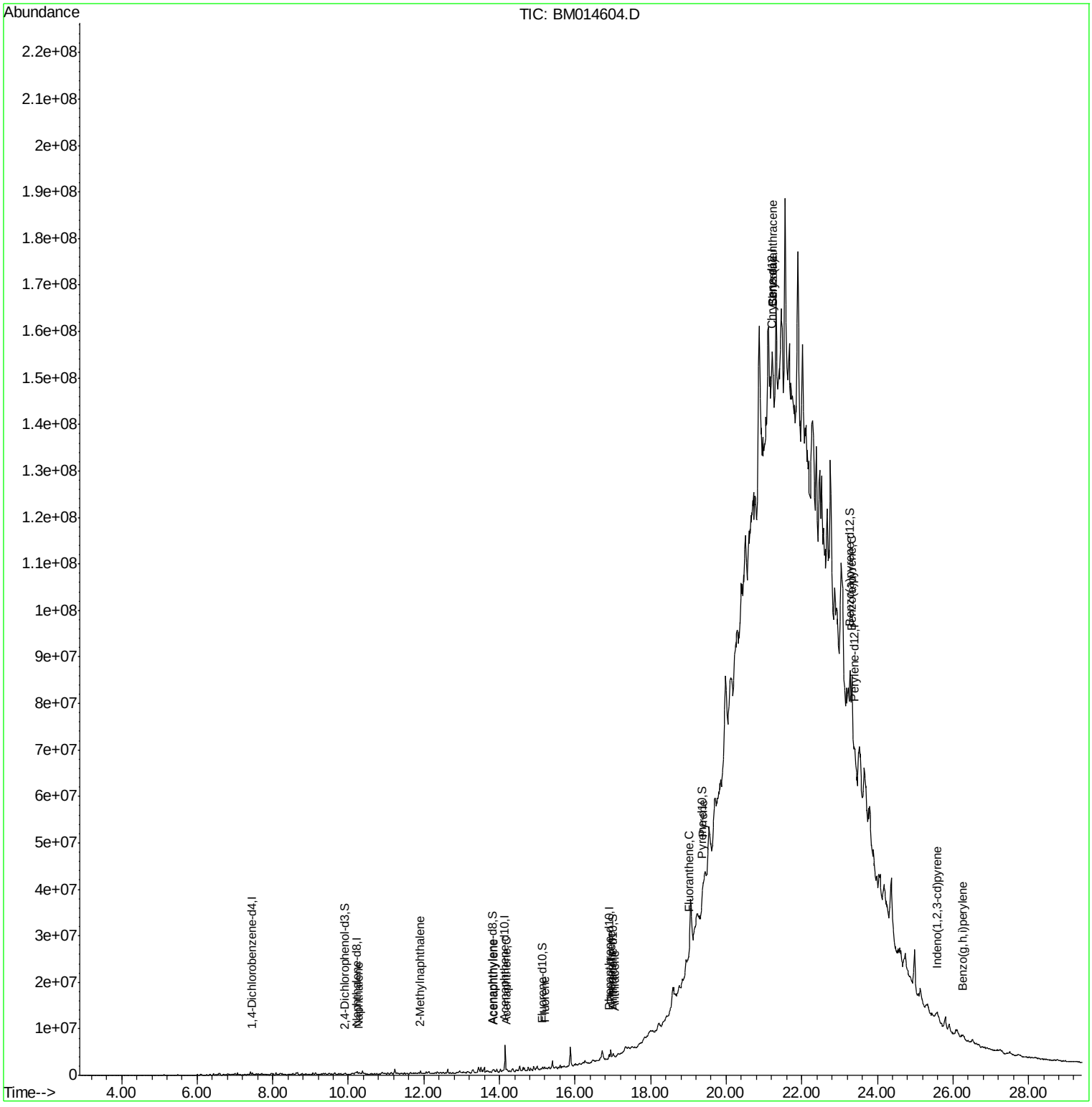

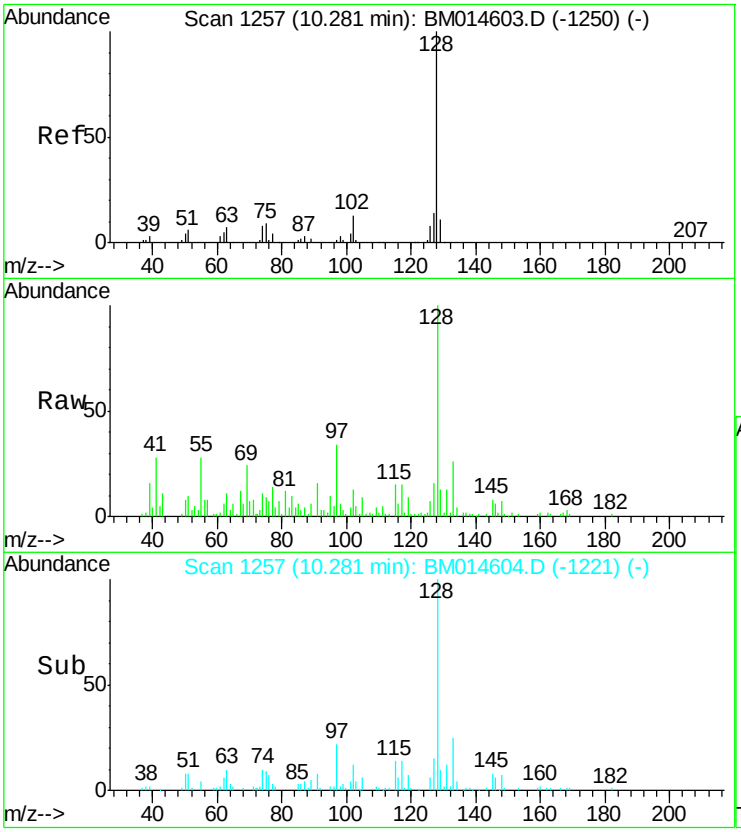

#4
Naphthalene
Concen: 7.030 ng/ul
RT: 10.28 min Scan# 1257
Delta R.T. 0.01 min
Lab File: BM014604.D
Acq: 16 Mar 2018 10:21

Tgt Ion:128 Resp: 128207

Ion	Ratio	Lower	Upper
128	100		
129	13.3	8.8	13.2#
127	16.0	10.6	16.0#

Instrument :
BNA_M
ClientSampleId :
BEL21RE

Manual Integrations APPROVED
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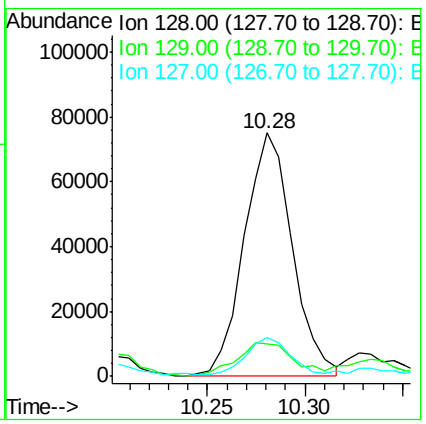
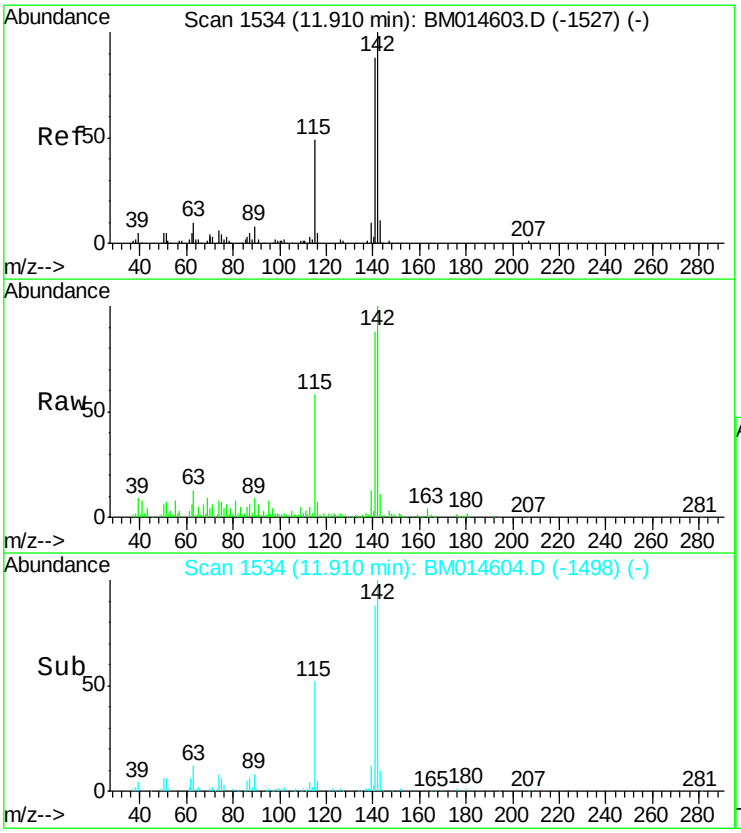
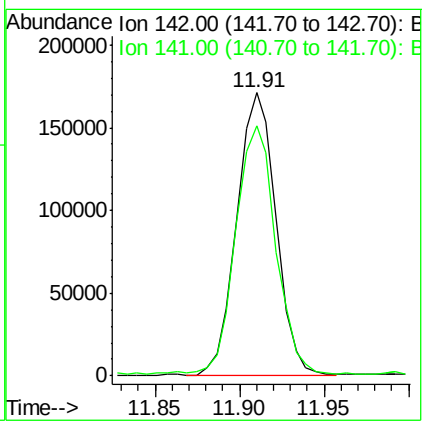


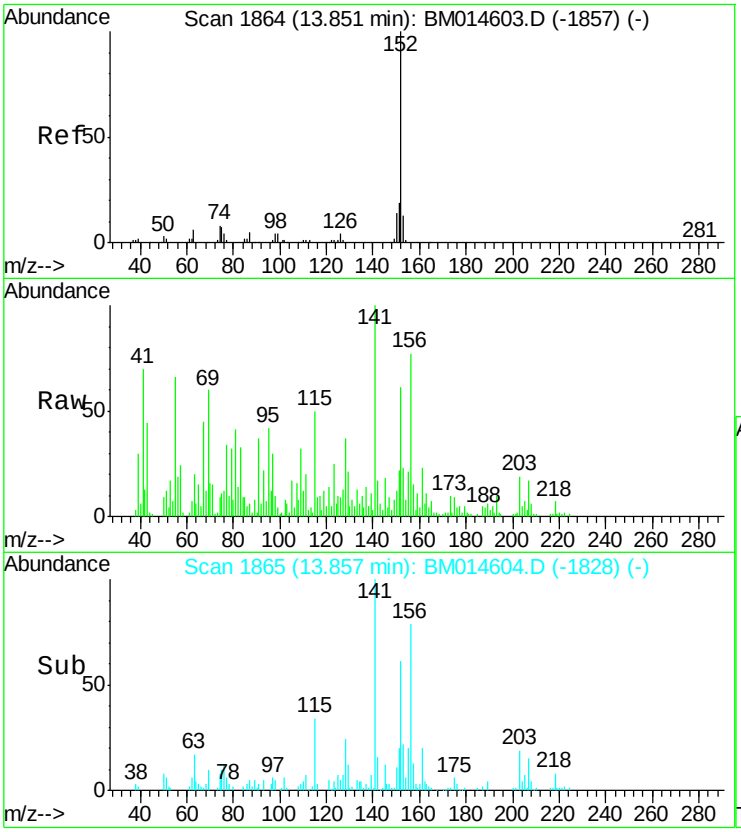


#5
2-Methylnaphthalene
Concen: 21.516 ng/ul
RT: 11.91 min Scan# 1534
Delta R.T. 0.01 min
Lab File: BM014604.D
Acq: 16 Mar 2018 10:21

Tgt Ion:142 Resp: 274562

Ion	Ratio	Lower	Upper
142	100		
141	88.4	74.1	111.1





#8
Acenaphthylene
Concen: 3.141 ng/ul
RT: 13.86 min Scan# 1865
Delta R.T. 0.02 min
Lab File: BM014604.D
Acq: 16 Mar 2018 10:21

Tgt Ion:152 Resp: 62491

Ion	Ratio	Lower	Upper
152	100		
151	35.8	16.3	24.5#
153	37.6	10.2	15.4#

Instrument :
BNA_M
ClientSampleId :
BEL21RE

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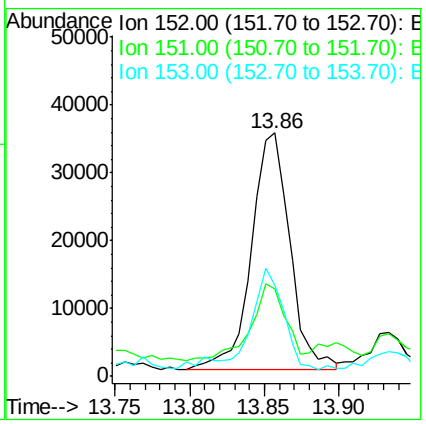
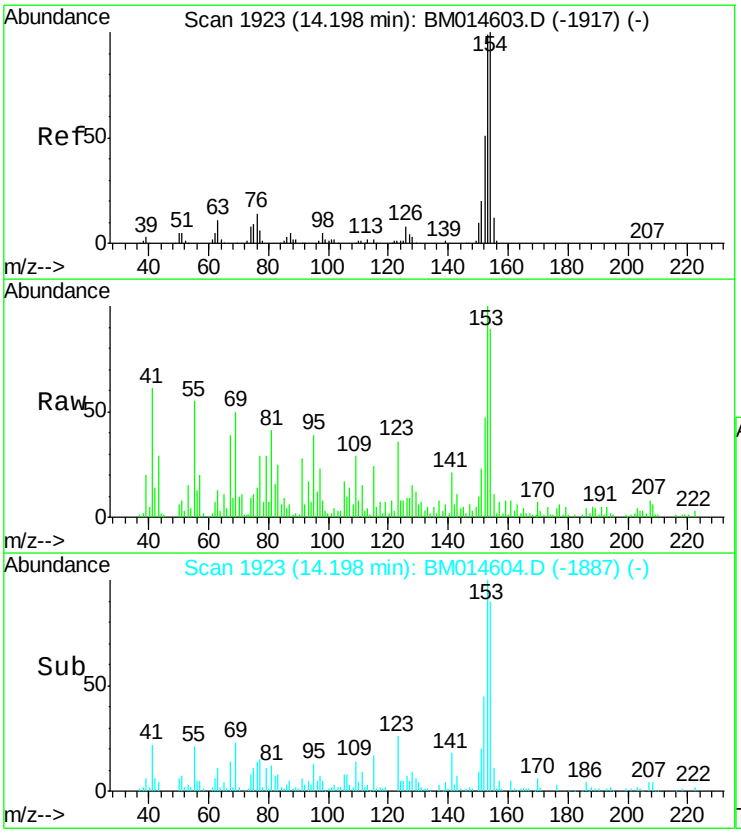
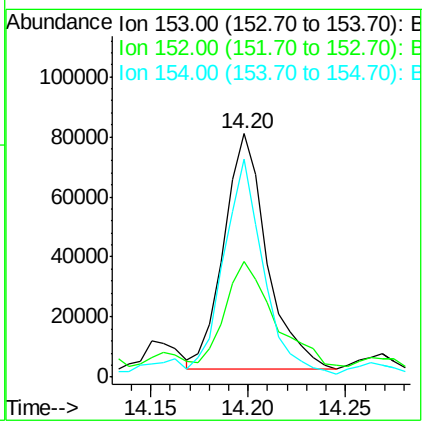


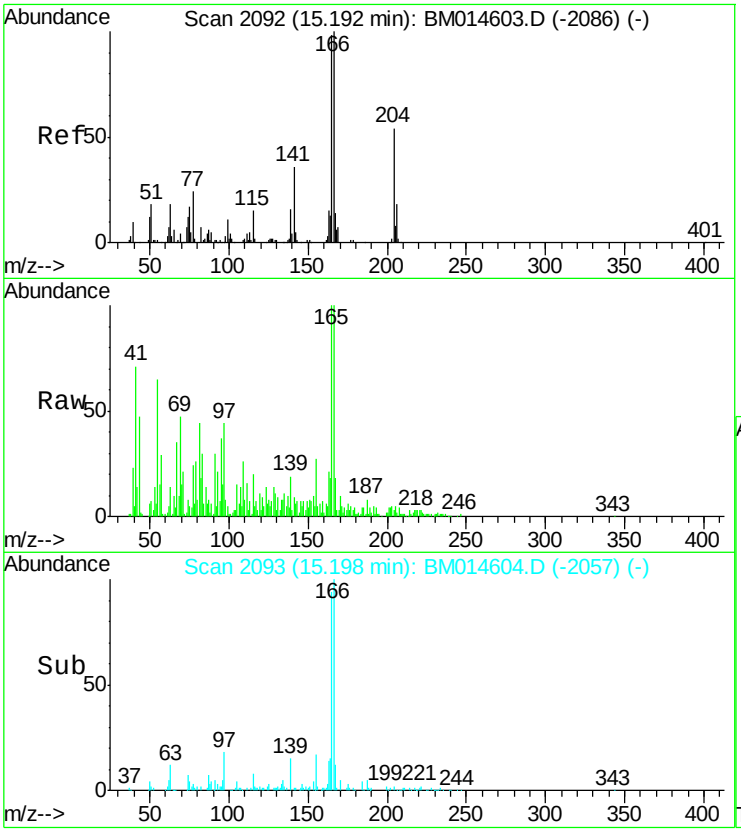


#9
Acenaphthene
Concen: 8.742 ng/ul
RT: 14.20 min Scan# 1923
Delta R.T. 0.01 min
Lab File: BM014604.D
Acq: 16 Mar 2018 10:21

Tgt Ion:153 Resp: 119047

Ion	Ratio	Lower	Upper
153	100		
152	47.4	37.6	56.4
154	89.3	70.4	105.6

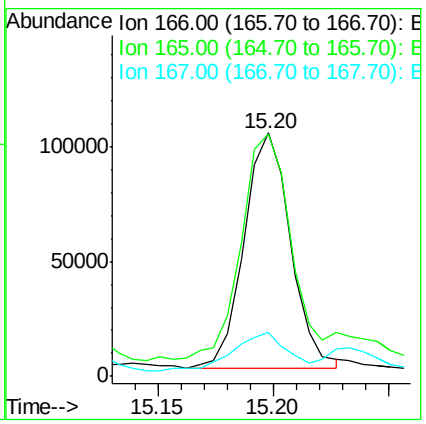




#11
Fluorene
Concen: 8.977 ng/ul
RT: 15.20 min Scan# 2093
Delta R.T. 0.01 min
Lab File: BM014604.D
Acq: 16 Mar 2018 10:21

Tgt Ion:166 Resp: 144865

Ion	Ratio	Lower	Upper
166	100		
165	99.5	77.9	116.9
167	18.0	10.6	16.0#



Instrument :
BNA_M
ClientSampleId :
BEL21RE

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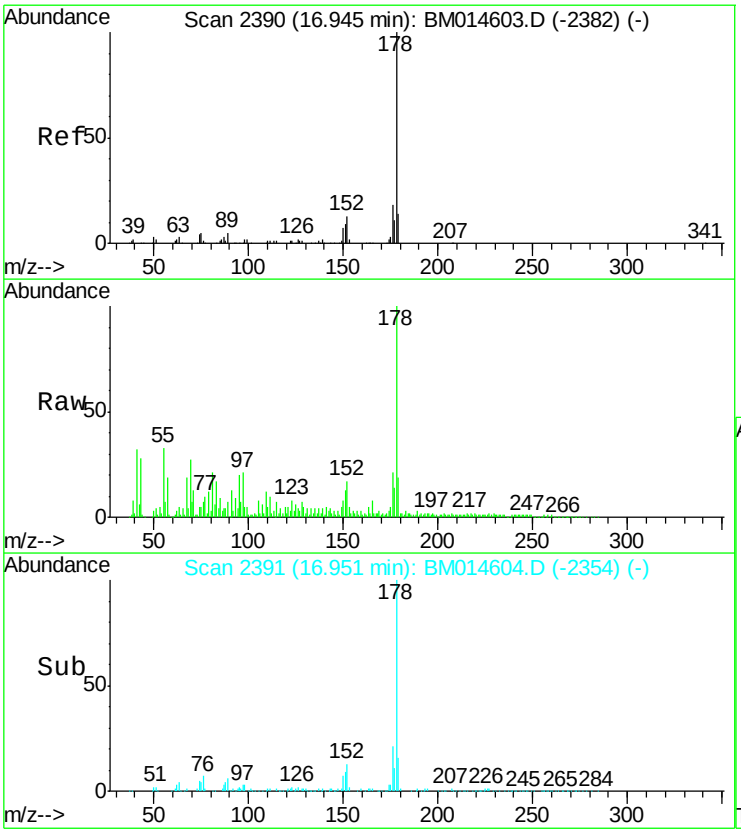
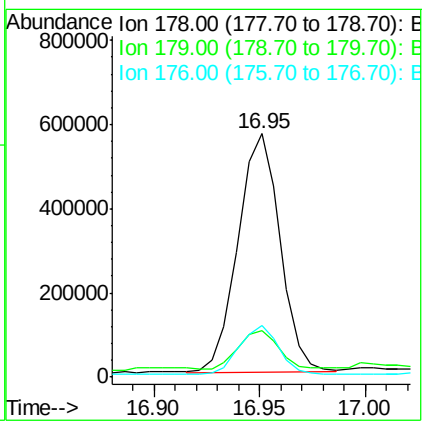
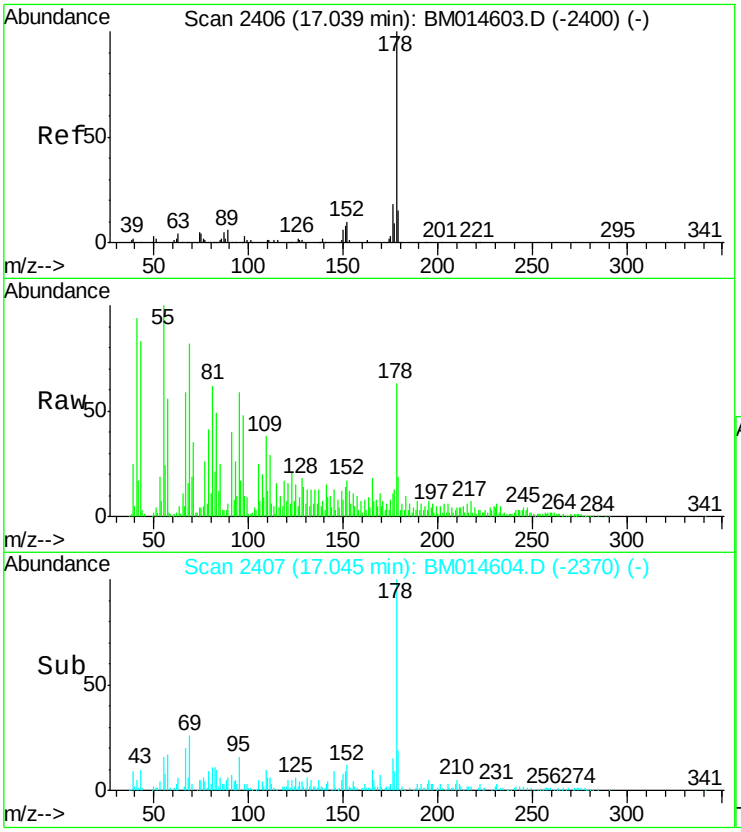


#14
Phenanthrene
Concen: 32.629 ng/ul
RT: 16.95 min Scan# 2391
Delta R.T. 0.02 min
Lab File: BM014604.D
Acq: 16 Mar 2018 10:21

Tgt Ion:178 Resp: 780149

Ion	Ratio	Lower	Upper
178	100		
179	19.1	12.6	19.0#
176	21.4	14.9	22.3





#16
Anthracene
Concen: 5.458 ng/ul
RT: 17.04 min Scan# 2407
Delta R.T. 0.02 min
Lab File: BM014604.D
Acq: 16 Mar 2018 10:21

Tgt Ion:178 Resp: 130441

Ion	Ratio	Lower	Upper
178	100		
179	30.4	11.7	17.5#
176	18.1	14.6	21.8

Instrument :
BNA_M
ClientSampleId :
BEL21RE

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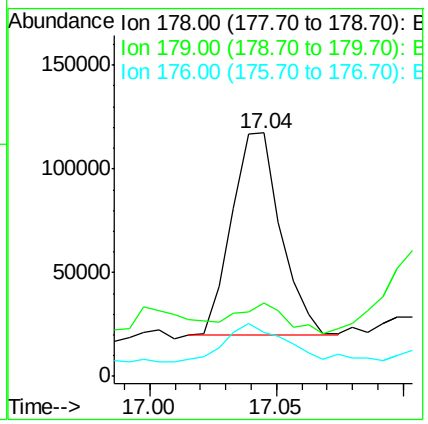
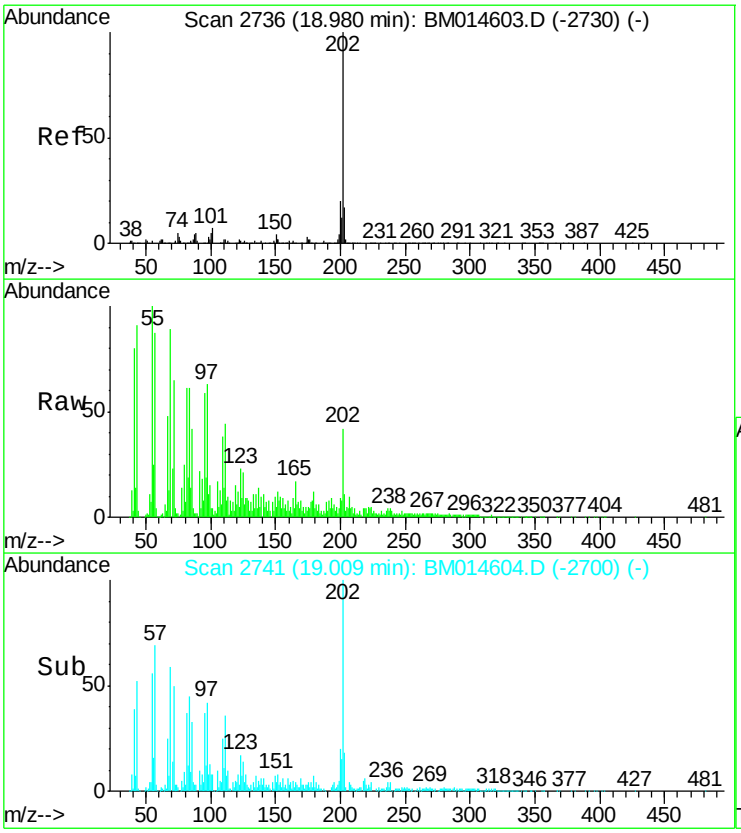
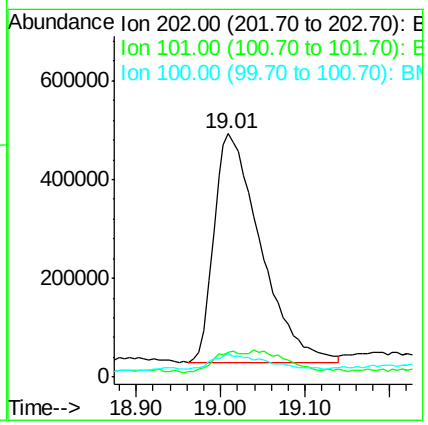


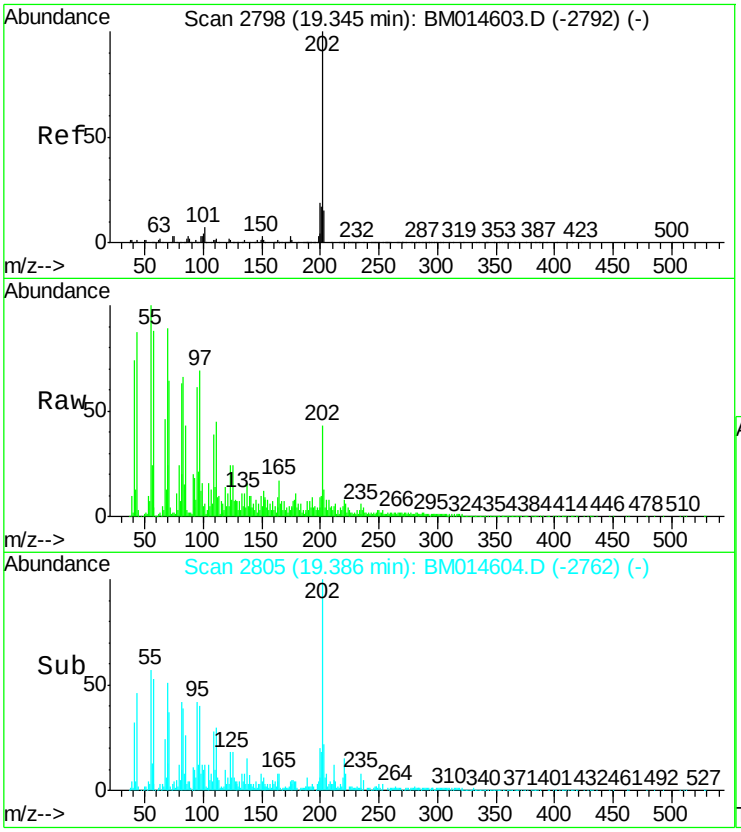


#17
Fluoranthene
Concen: 65.718 ng/ul
RT: 19.01 min Scan# 2741
Delta R.T. 0.04 min
Lab File: BM014604.D
Acq: 16 Mar 2018 10:21

Tgt Ion:202 Resp: 1783556

Ion	Ratio	Lower	Upper
202	100		
101	9.9	4.6	7.0#
100	9.5	3.4	5.2#

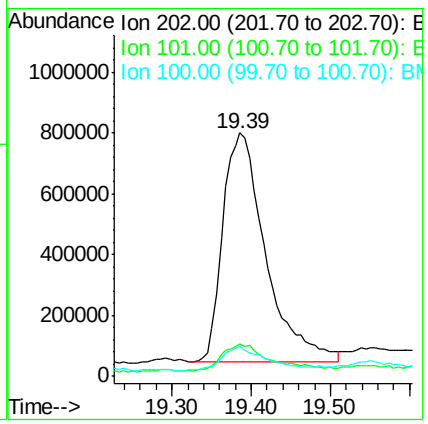




#20
Pyrene
Concen: 25.067 ng/ul
RT: 19.39 min Scan# 2805
Delta R.T. 0.05 min
Lab File: BM014604.D
Acq: 16 Mar 2018 10:21

Tgt Ion:202 Resp: 2827896

Ion	Ratio	Lower	Upper
202	100		
101	13.1	5.1	7.7#
100	12.2	4.9	7.3#



Instrument :
BNA_M
ClientSampleId :
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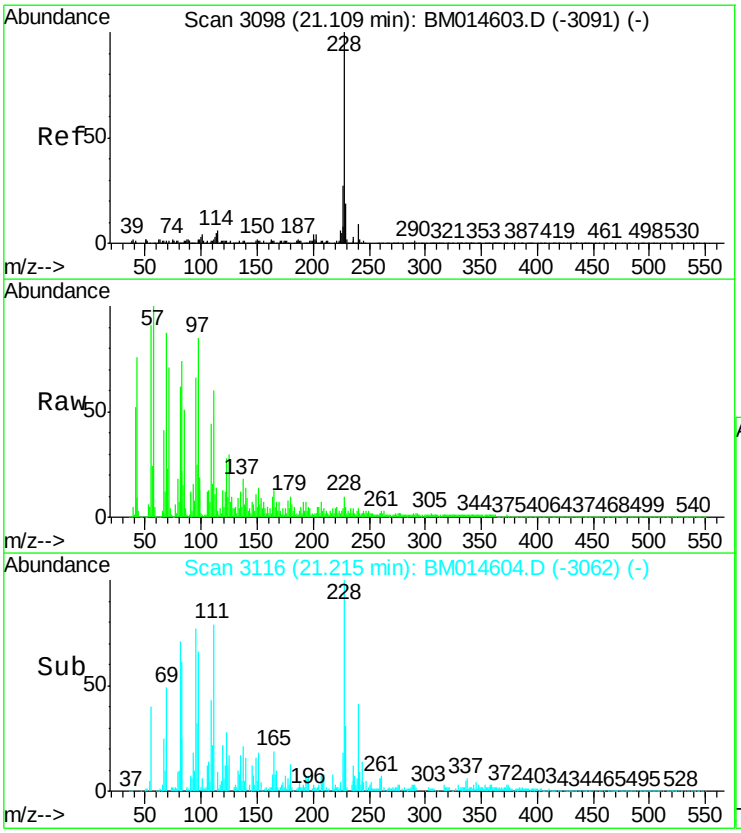
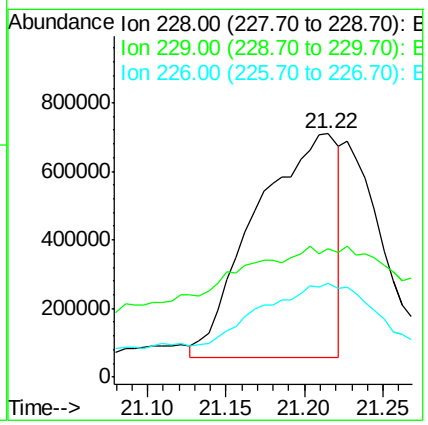
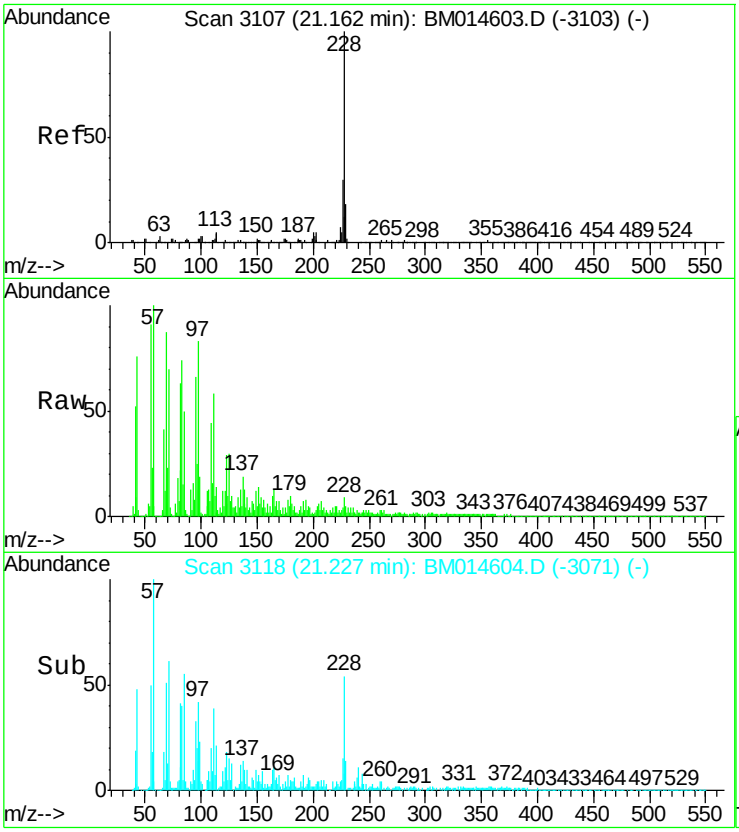


#21
Benzo(a)anthracene
Concen: 25.012 ng/ul m
RT: 21.22 min Scan# 3116
Delta R.T. 0.12 min
Lab File: BM014604.D
Acq: 16 Mar 2018 10:21

Tgt Ion:228 Resp: 2372612

Ion	Ratio	Lower	Upper
228	100		
229	52.5	15.4	23.0#
226	38.4	21.4	32.0#





#22
Chrysene
Concen: 12.138 ng/ul m
RT: 21.23 min Scan# 3118
Delta R.T. 0.08 min
Lab File: BM014604.D
Acq: 16 Mar 2018 10:21

Tgt Ion:228 Resp: 1058673

Ion	Ratio	Lower	Upper
228	100		
226	38.0	23.4	35.2#
229	55.6	15.5	23.3#

Instrument :
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ClientSampleId :
BEL21RE

Manual Integrations APPROVED
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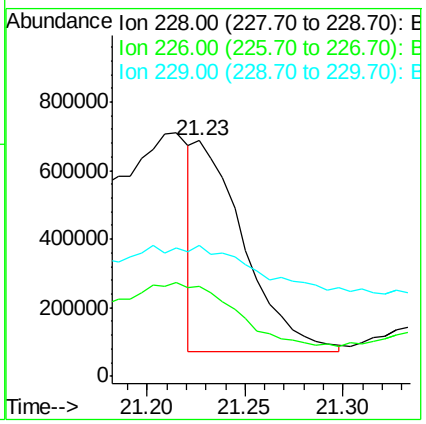
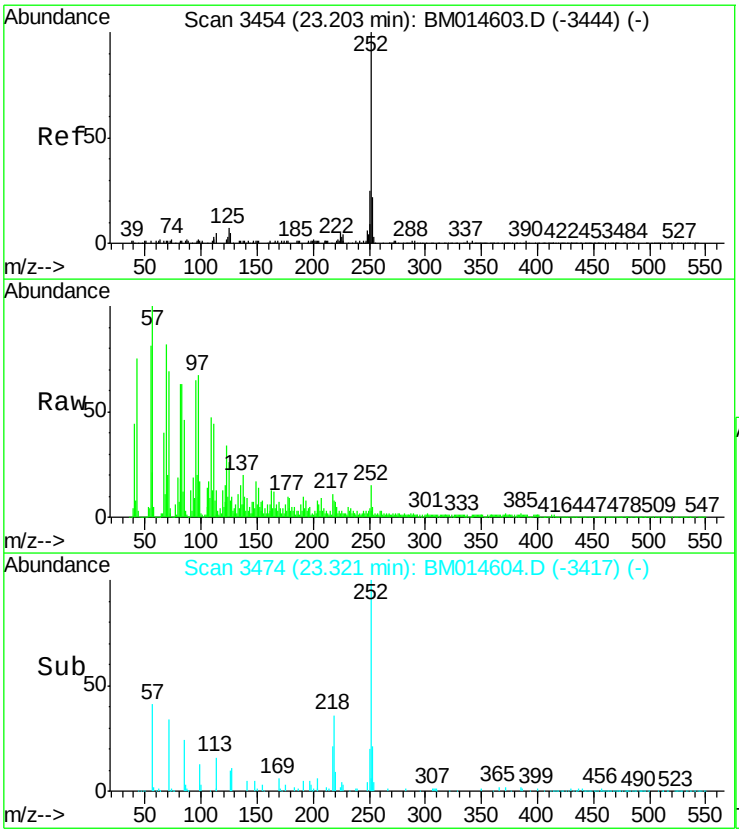
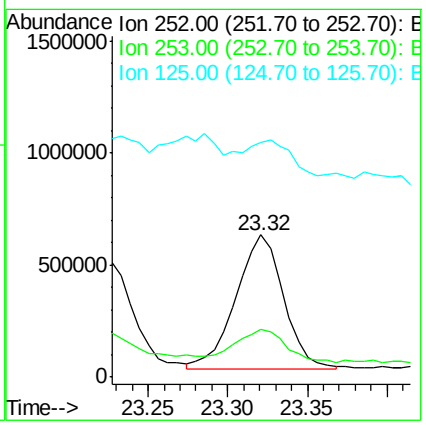


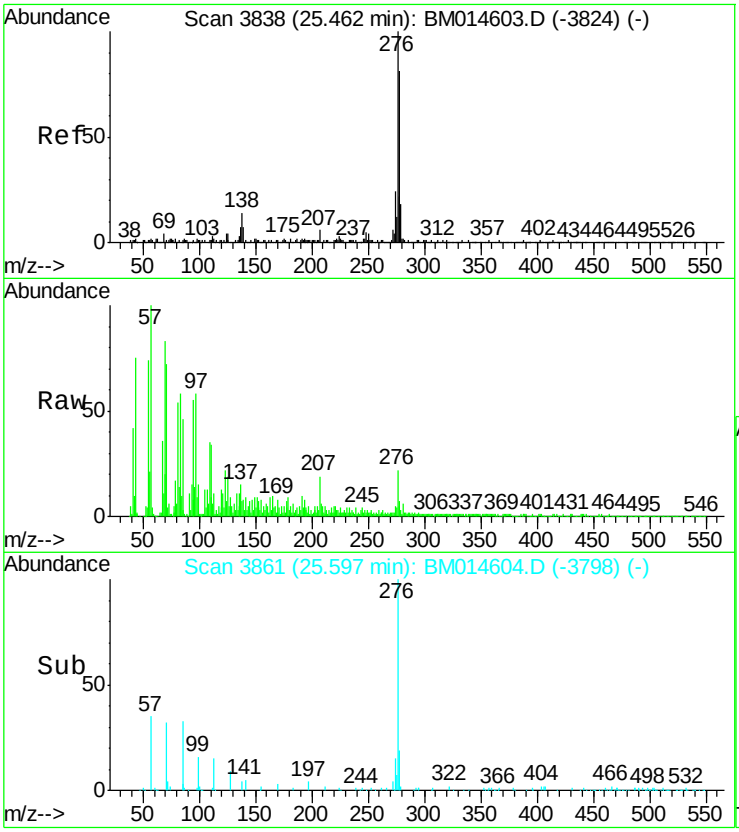


#27
Benzo(a)pyrene
Concen: 17.312 ng/ul m
RT: 23.32 min Scan# 3474
Delta R.T. 0.14 min
Lab File: BM014604.D
Acq: 16 Mar 2018 10:21

Tgt Ion:252 Resp: 1237591

Ion	Ratio	Lower	Upper
252	100		
253	34.1	18.2	27.2#
125	165.6	4.0	6.0#





#28
Indeno(1,2,3-cd)pyrene
Concen: 4.774 ng/ul m
RT: 25.60 min Scan# 3861
Delta R.T. 0.17 min
Lab File: BM014604.D
Acq: 16 Mar 2018 10:21

Tgt Ion:276 Resp: 392811

Ion	Ratio	Lower	Upper
276	100		
138	30.7	9.3	13.9#
277	30.3	19.9	29.9#

Instrument :
BNA_M
ClientSampleId :
BEL21RE

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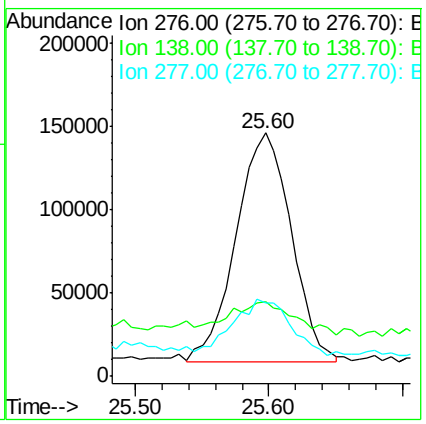

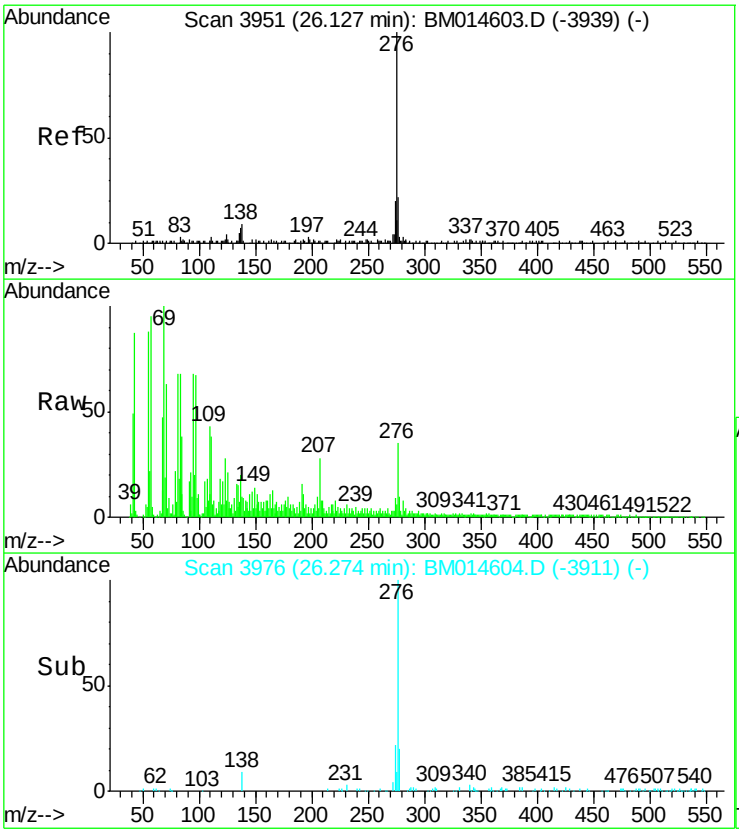

#30
Benzo(g,h,i)perylene
Concen: 5.707 ng/ul m
RT: 26.27 min Scan# 3976
Delta R.T. 0.18 min
Lab File: BM014604.D
Acq: 16 Mar 2018 10:21

Tgt Ion:276 Resp: 374020

Ion	Ratio	Lower	Upper
276	100		
138	28.6	8.5	12.7#
277	28.3	18.6	28.0#