Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072919\
Data File : BM021718.D
Acq On : 30 Jul 2019 06:05
Operator : HP/JU
Sample : K3922-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A52F1

Manual Integrations APPROVED
mohammad
7/30/2019 4:51:54 PM

Quant Time: Jul 30 07:20:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 30 05:24:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	174142	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	703217	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	441858	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	873048	20.00	ng/ul	0.00
77) Chrysene-d12	21.27	240	746045	20.00	ng/ul	0.00
85) Perylene-d12	23.50	264	856328	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.23	96	11688	3.23	ng/uL	0.00
5) Phenol-d5	6.86	99	246416	18.81	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	145036	19.34	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	210694	19.39	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	204080	18.57	ng/ul	0.00
19) Nitrobenzene-d5	8.84	128	106828	20.31	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	115795	19.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	239242	19.29	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	226898	19.34	ng/ul	0.00
43) Dimethylphthalate-d6	13.74	166	741255	21.74	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	854737	21.09	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	40106	7.75	ng/ul	0.01
57) Fluorene-d10	15.32	176	637083	21.29	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	48969	9.02	ng/ul	0.00
70) Anthracene-d10	17.17	188	947929	21.58	ng/ul	0.00
78) Pyrene-d10	19.47	212	986371	23.57	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.36	264	1035244	22.85	ng/ul	0.00
Target Compounds						Qvalue
44) Dimethylphthalate	13.79	163	228162	6.446	ng/ul	98
69) Phenanthrene	17.12	178	921633	17.528	ng/ul	99
71) Anthracene	17.21	178	61841	1.148	ng/ul	98
74) Carbazole	17.49	167	58402	1.310	ng/ul	98
76) Fluoranthene	19.14	202	1430961	23.328	ng/ul	99
79) Pyrene	19.50	202	1082668	19.449	ng/ul	100
82) Benzo(a)anthracene	21.25	228	373537	6.876	ng/ul	98
84) Chrysene	21.30	228	484809	9.466	ng/ul	99
87) Benzo(b)fluoranthene	22.83	252	668774	11.478	ng/ul	99
88) Benzo(k)fluoranthene	22.87	252	194671m	3.418	ng/ul	
90) Benzo(a)pyrene	23.40	252	396821	7.274	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.74	276	319013	5.043	ng/ul	97
92) Dibenzo(a,h)anthracene	25.74	278	70099	1.333	ng/ul#	90
93) Benzo(g,h,i)perylene	26.43	276	316933	6.025	ng/ul	100

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

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Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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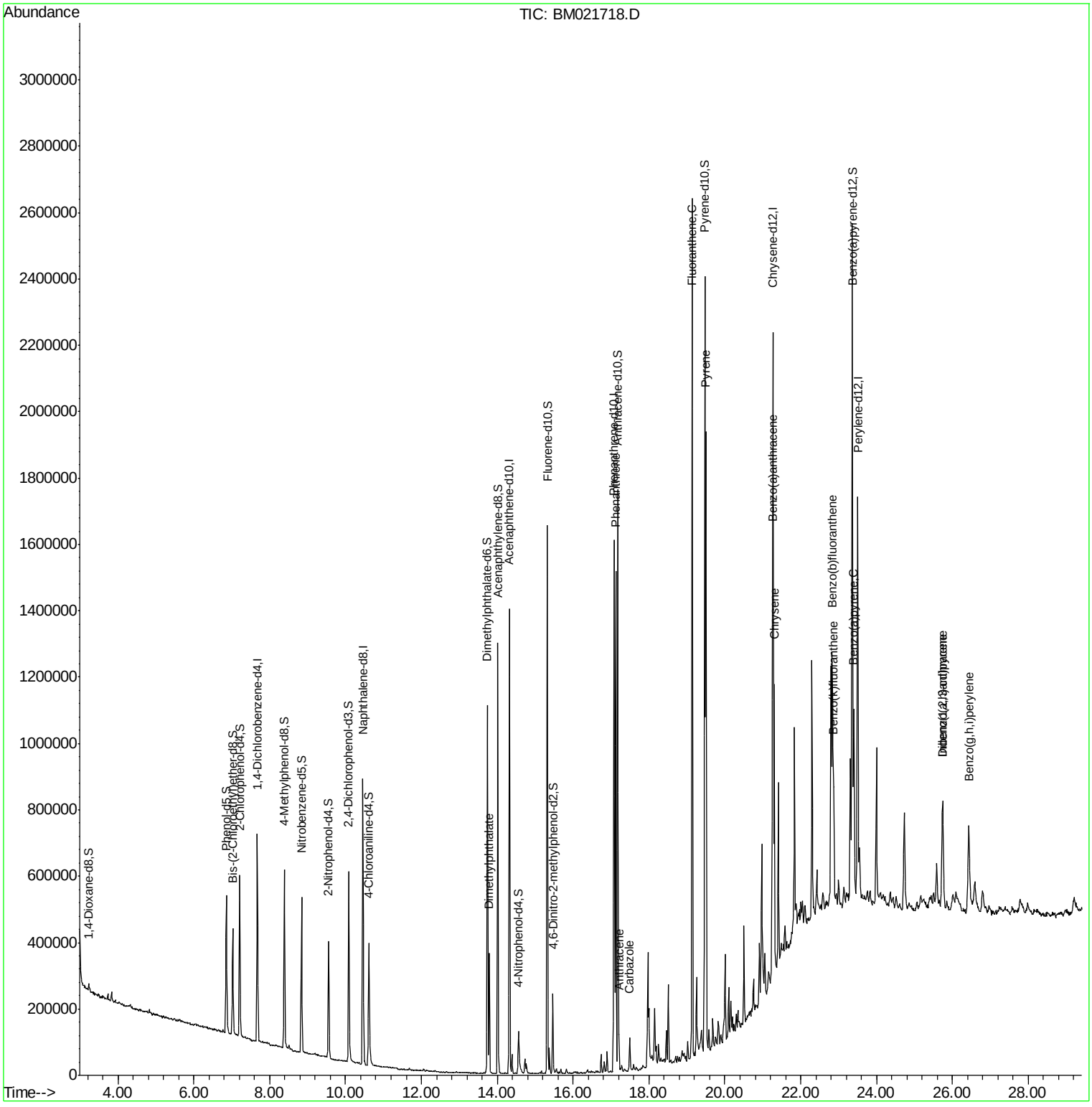
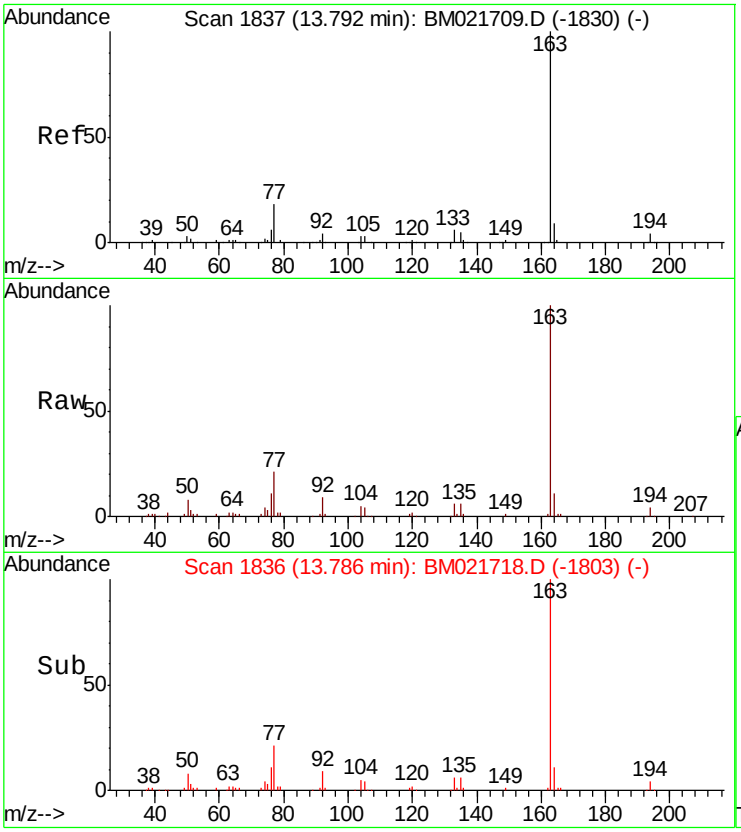
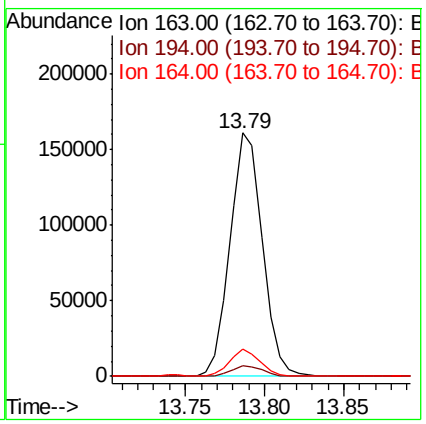




#44
Dimethylphthalate
Concen: 6.446 ng/ul
RT: 13.79 min Scan# 1836
Delta R.T. -0.01 min
Lab File: BM021718.D
Acq: 30 Jul 2019 06:05

Tgt Ion:163 Resp: 228162

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	11.0	8.1	12.1



Instrument :
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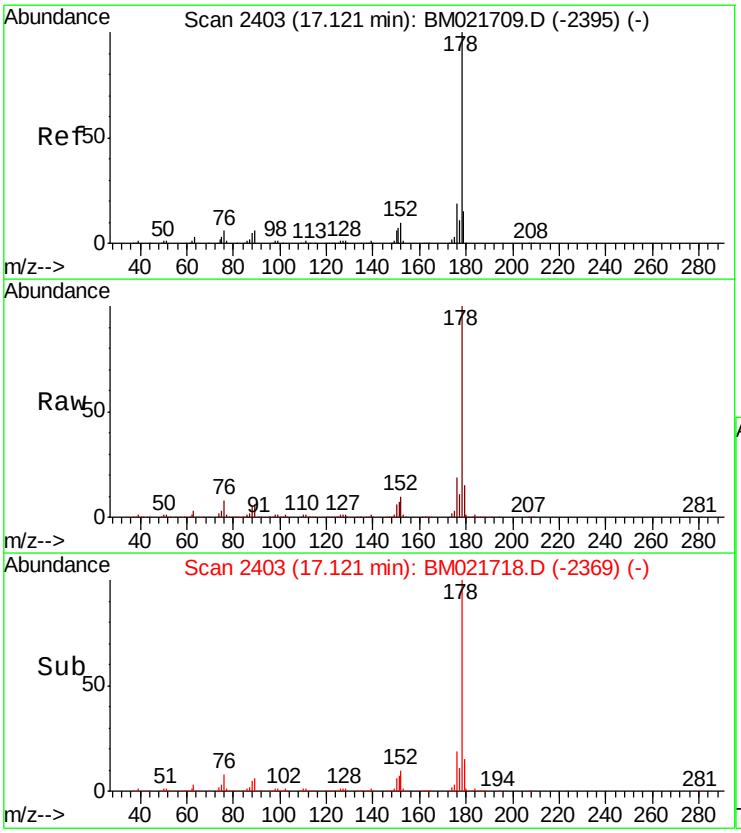
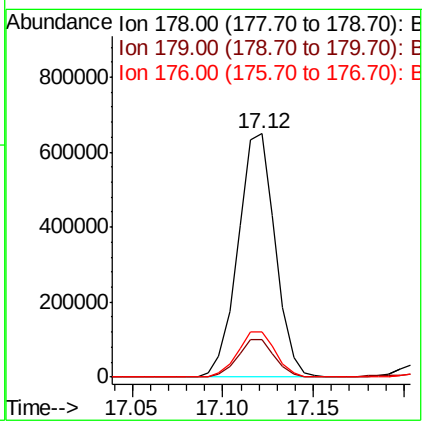
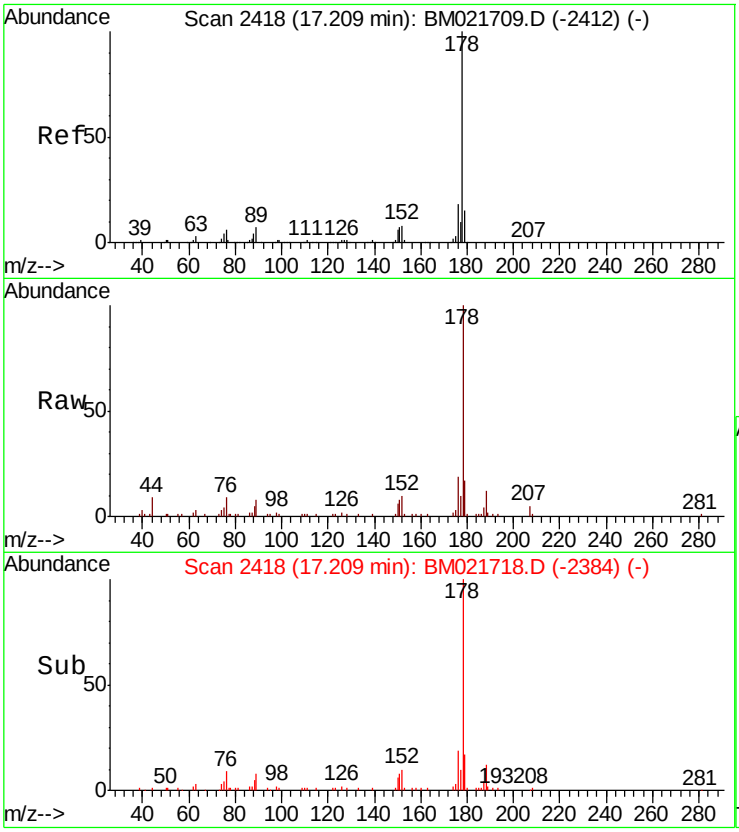


#69
Phenanthrene
Concen: 17.528 ng/ul
RT: 17.12 min Scan# 2403
Delta R.T. 0.00 min
Lab File: BM021718.D
Acq: 30 Jul 2019 06:05

Tgt Ion:178 Resp: 921633

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.5	18.7
176	18.8	15.4	23.2

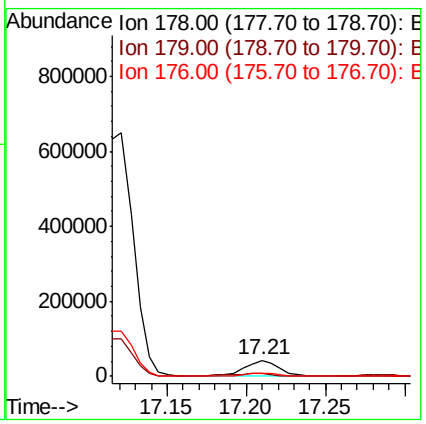




#71
Anthracene
Concen: 1.148 ng/ul
RT: 17.21 min Scan# 2418
Delta R.T. 0.00 min
Lab File: BM021718.D
Acq: 30 Jul 2019 06:05

Tgt Ion:178 Resp: 61841

Ion	Ratio	Lower	Upper
178	100		
179	17.3	12.3	18.5
176	18.8	14.8	22.2



Instrument :
BNA_M
ClientSampleId :
A52F1

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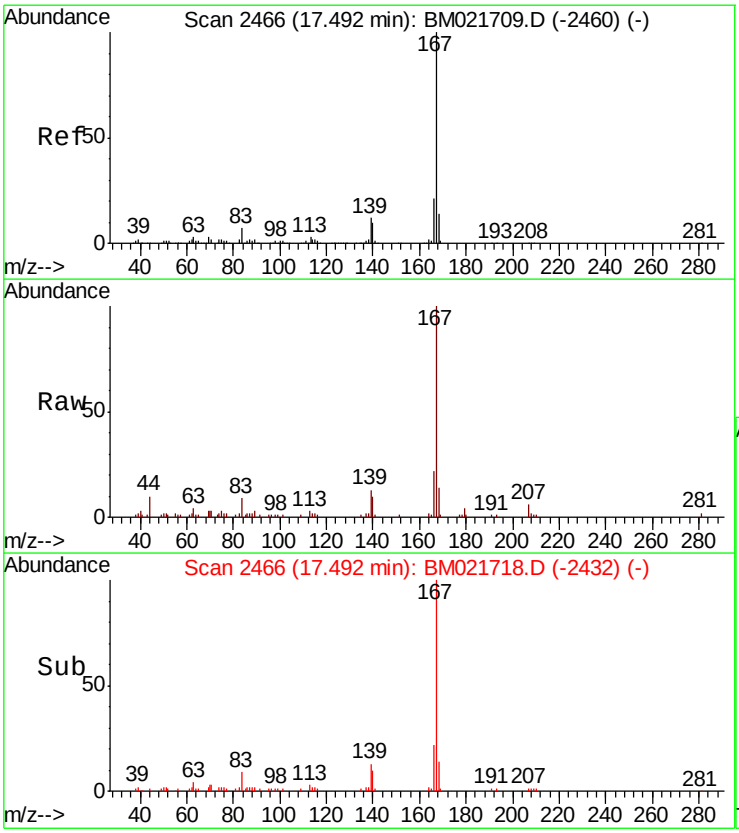
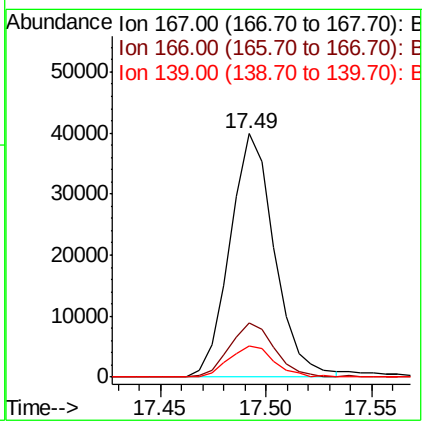
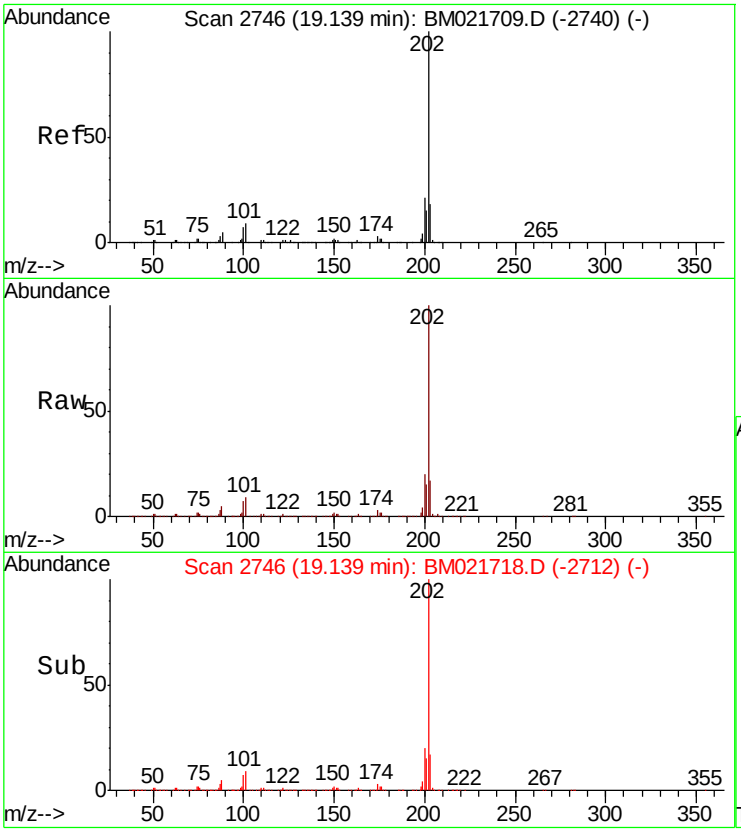


#74
Carbazole
Concen: 1.310 ng/ul
RT: 17.49 min Scan# 2466
Delta R.T. 0.00 min
Lab File: BM021718.D
Acq: 30 Jul 2019 06:05

Tgt Ion:167 Resp: 58402

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.0	25.4
139	13.0	10.0	15.0

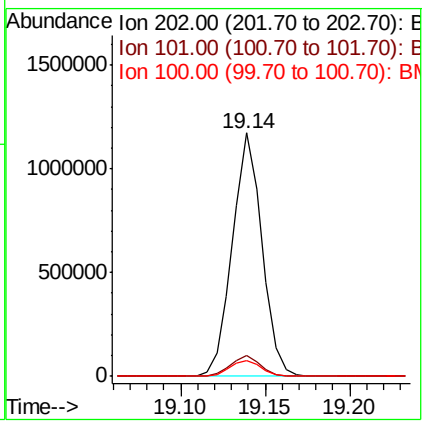




#76
Fluoranthene
Concen: 23.328 ng/ul
RT: 19.14 min Scan# 2746
Delta R.T. 0.00 min
Lab File: BM021718.D
Acq: 30 Jul 2019 06:05

Tgt Ion:202 Resp: 1430961

Ion	Ratio	Lower	Upper
202	100		
101	8.8	6.7	10.1
100	6.6	5.1	7.7



Instrument :
BNA_M
ClientSampleId :
A52F1

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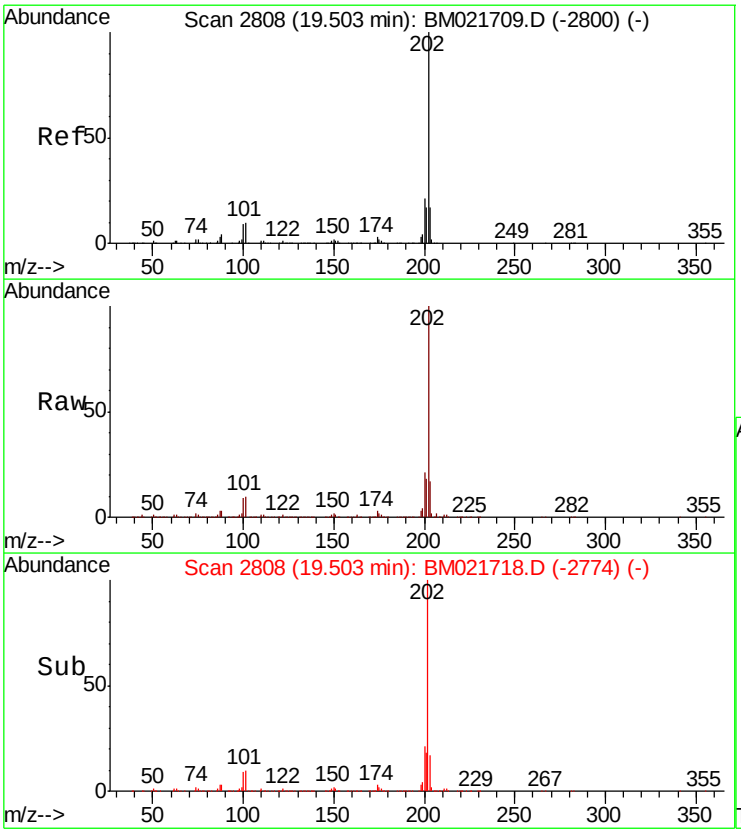
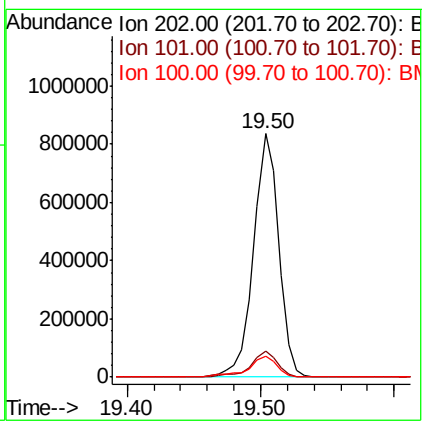
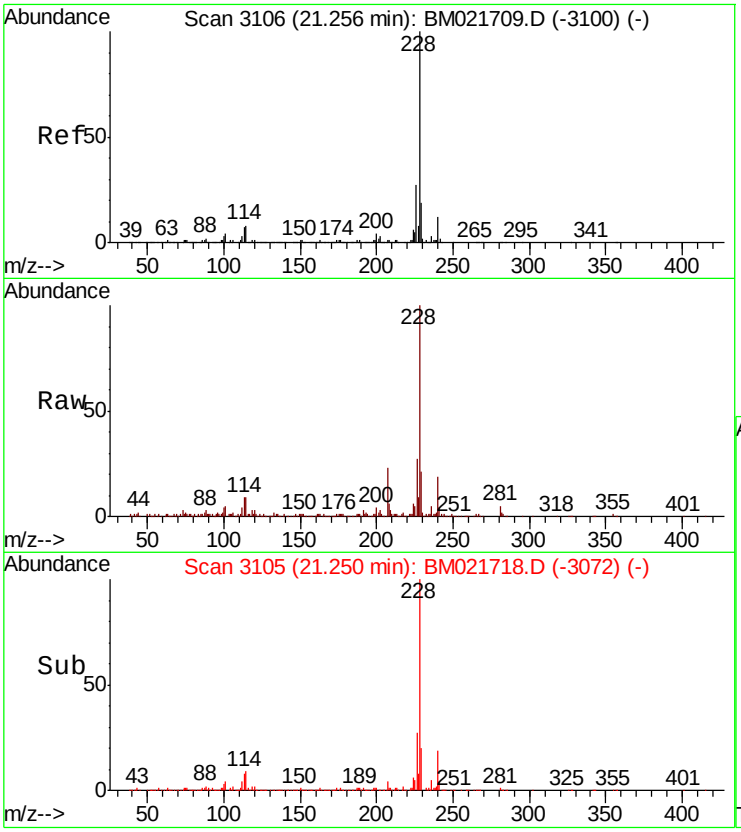


#79
Pyrene
Concen: 19.449 ng/ul
RT: 19.50 min Scan# 2808
Delta R.T. 0.00 min
Lab File: BM021718.D
Acq: 30 Jul 2019 06:05

Tgt Ion:202 Resp: 1082668

Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.2	12.2
100	8.7	7.0	10.4

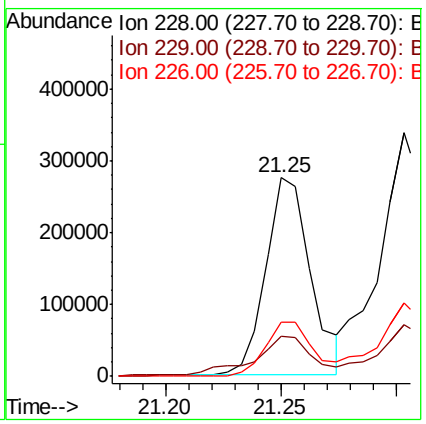




#82
Benzo(a)anthracene
Concen: 6.876 ng/ul
RT: 21.25 min Scan# 3105
Delta R.T. -0.01 min
Lab File: BM021718.D
Acq: 30 Jul 2019 06:05

Tgt Ion:228 Resp: 373537

Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.7	23.5
226	27.4	21.4	32.2



Instrument :
BNA_M
ClientSampleId :
A52F1

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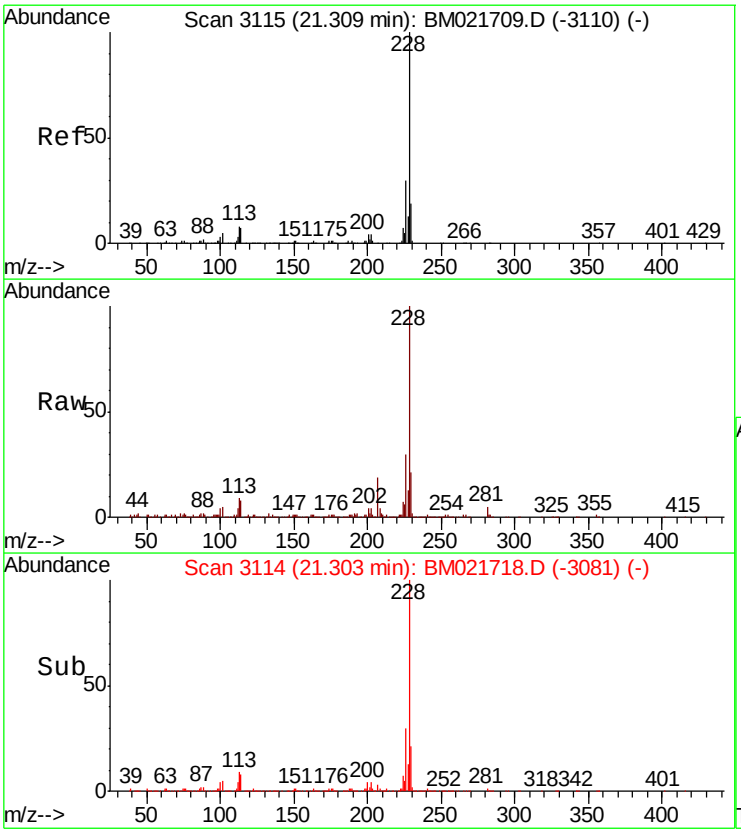
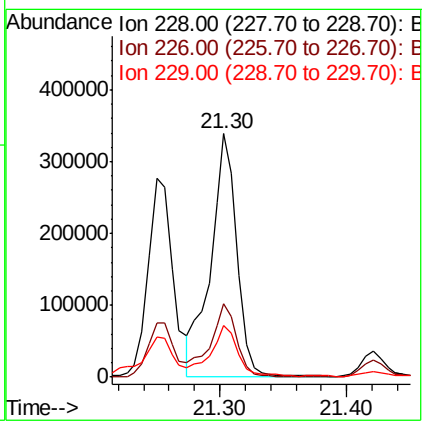
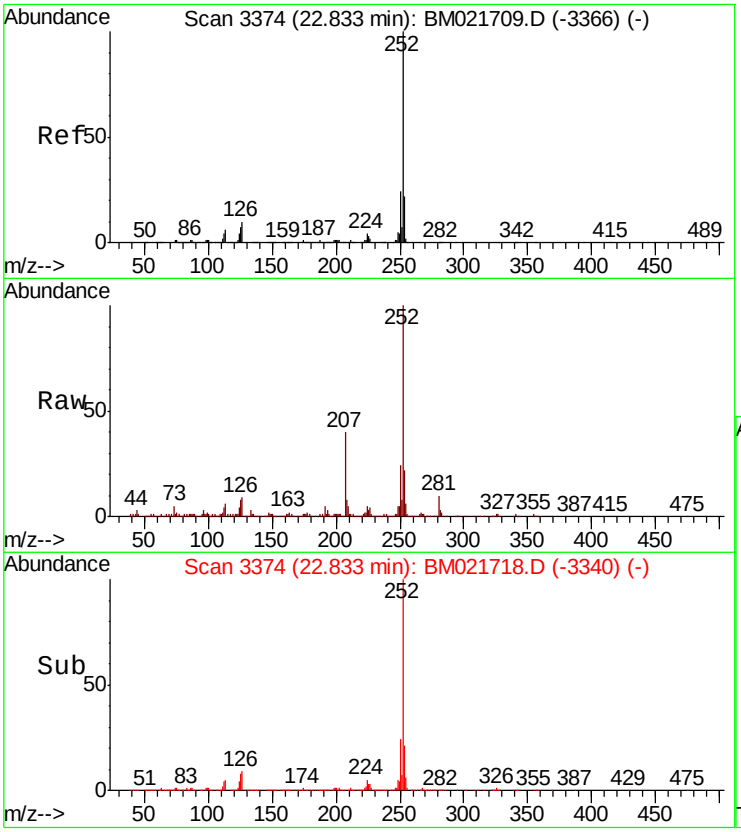


#84
Chrysene
Concen: 9.466 ng/ul
RT: 21.30 min Scan# 3114
Delta R.T. -0.01 min
Lab File: BM021718.D
Acq: 30 Jul 2019 06:05

Tgt Ion:228 Resp: 484809

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	21.0	15.7	23.5

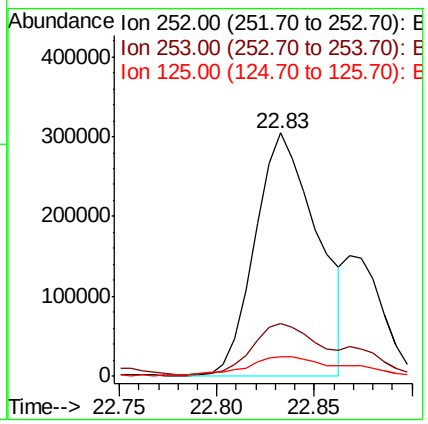




#87
Benzo(b)fluoranthene
Concen: 11.478 ng/ul
RT: 22.83 min Scan# 3374
Delta R.T. 0.00 min
Lab File: BM021718.D
Acq: 30 Jul 2019 06:05

Tgt Ion:252 Resp: 668774

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	8.3	6.3	9.5



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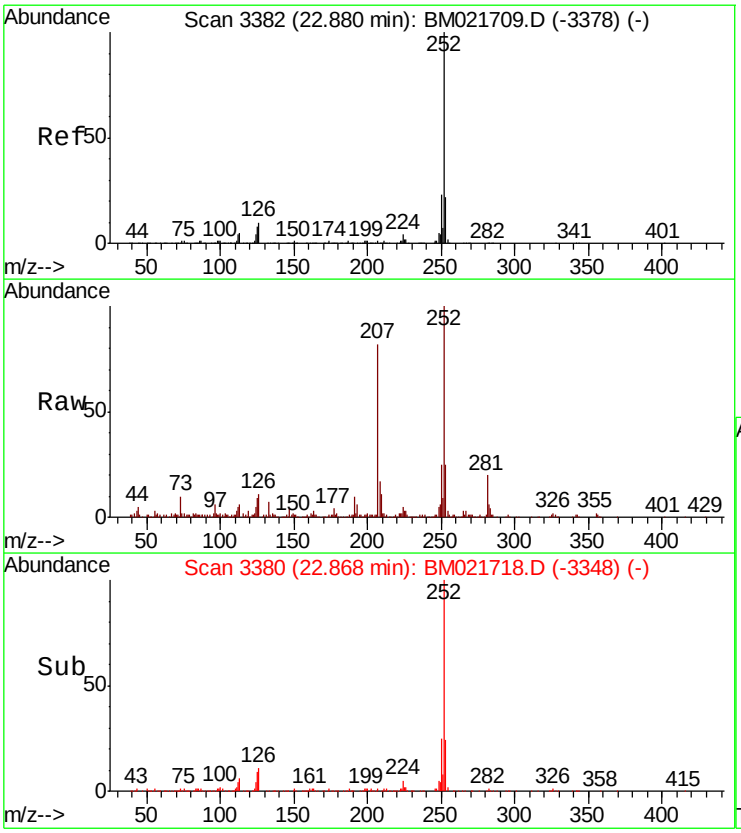
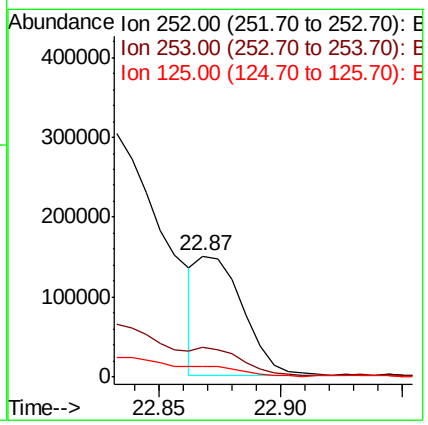
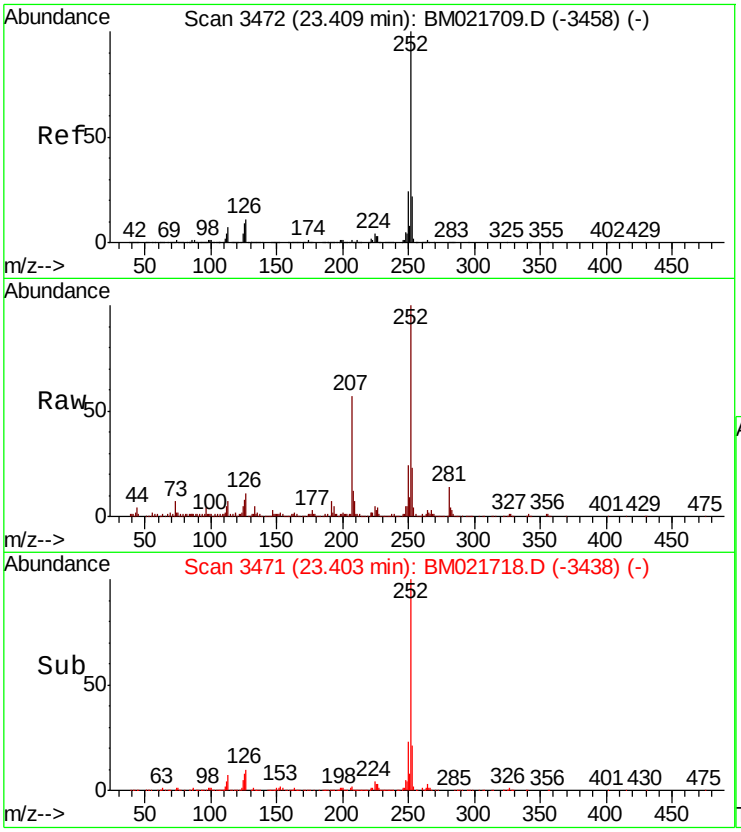


#88
Benzo(k)fluoranthene
Concen: 3.418 ng/ul m
RT: 22.87 min Scan# 3380
Delta R.T. -0.01 min
Lab File: BM021718.D
Acq: 30 Jul 2019 06:05

Tgt Ion:252 Resp: 194671

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.7	26.5
125	9.4	6.3	9.5

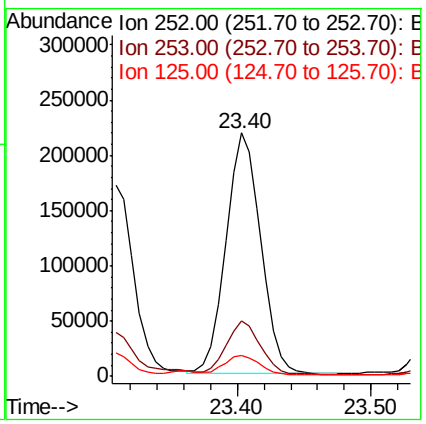




#90
Benzo(a)pyrene
Concen: 7.274 ng/ul
RT: 23.40 min Scan# 3471
Delta R.T. -0.01 min
Lab File: BM021718.D
Acq: 30 Jul 2019 06:05

Tgt Ion:252 Resp: 396821

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	8.4	7.0	10.6



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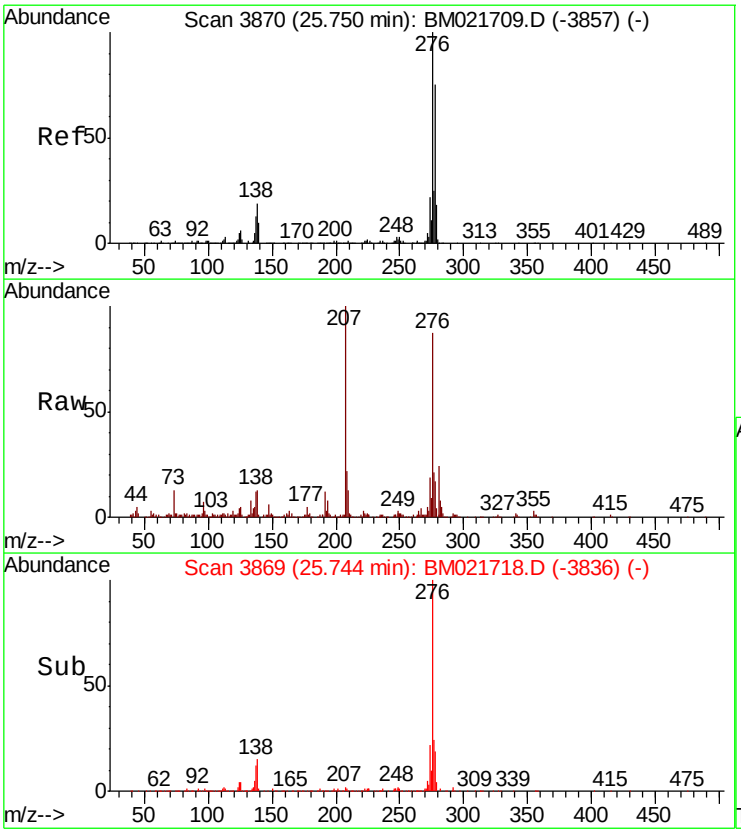
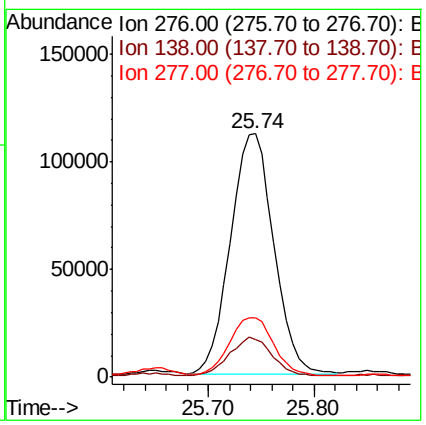
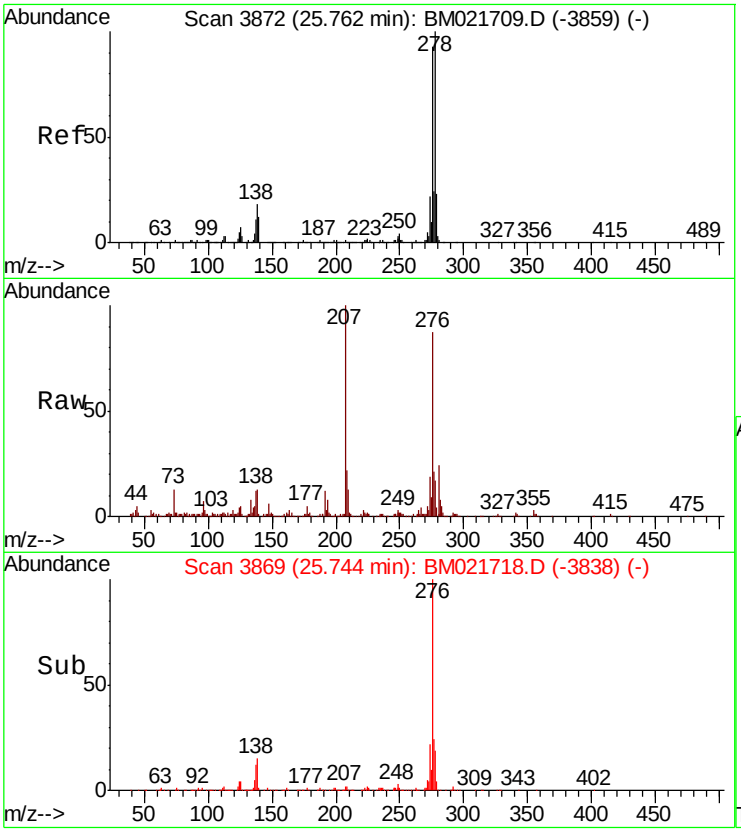


#91
Indeno(1,2,3-cd)pyrene
Concen: 5.043 ng/ul
RT: 25.74 min Scan# 3869
Delta R.T. -0.01 min
Lab File: BM021718.D
Acq: 30 Jul 2019 06:05

Tgt Ion:276 Resp: 319013

Ion	Ratio	Lower	Upper
276	100		
138	15.5	14.8	22.2
277	24.3	19.7	29.5

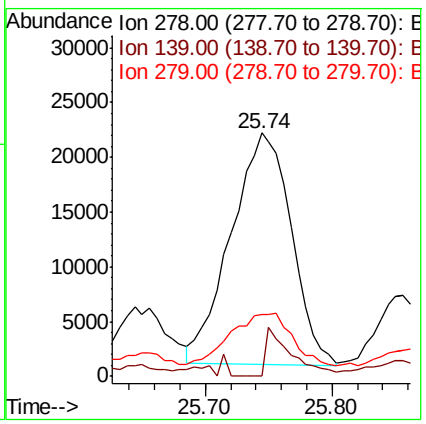




#92
Dibenzo(a,h)anthracene
Concen: 1.333 ng/ul
RT: 25.74 min Scan# 3869
Delta R.T. -0.02 min
Lab File: BM021718.D
Acq: 30 Jul 2019 06:05

Tgt Ion:278 Resp: 70099

Ion	Ratio	Lower	Upper
278	100		
139	3.3	9.6	14.4#
279	25.7	19.2	28.8



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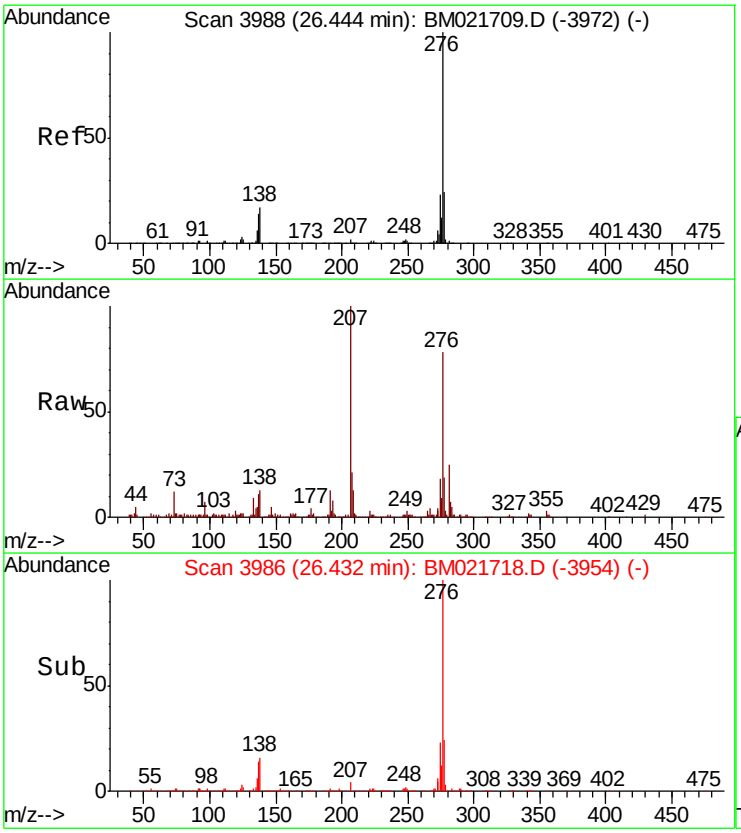

#93
Benzo(g,h,i)perylene
Concen: 6.025 ng/ul
RT: 26.43 min Scan# 3986
Delta R.T. -0.01 min
Lab File: BM021718.D
Acq: 30 Jul 2019 06:05

Tgt Ion:276 Resp: 316933

Ion	Ratio	Lower	Upper
276	100		
138	16.2	13.1	19.7
277	24.0	19.0	28.6