Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052119\
Data File : BM020490.D
Acq On : 22 May 2019 09:31
Operator : JU/SJ
Sample : K2923-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A42D7

Manual Integrations APPROVED
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Quant Time: May 22 13:18:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:54:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	65712	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	247702	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.38	164	154668	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.18	188	383846	20.00	ng/ul	0.05
77) Chrysene-d12	21.72	240	428087m	20.00	ng/ul	0.39
85) Perylene-d12	24.99	264	432985m	20.00	ng/ul	1.39
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	5921	3.33	ng/uL	0.00
5) Phenol-d5	6.90	99	88633	16.91	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.07	67	52645	15.80	ng/ul	0.00
9) 2-Chlorophenol-d4	7.26	132	72114	18.76	ng/ul	0.00
13) 4-Methylphenol-d8	8.44	113	65430	17.14	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	29458	18.28	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	33782	19.01	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	70850	18.85	ng/ul	0.01
29) 4-Chloroaniline-d4	10.68	131	30531	7.86	ng/ul	0.01
43) Dimethylphthalate-d6	13.79	166	219002	19.68	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	274439	19.72	ng/ul	0.00
51) 4-Nitrophenol-d4	14.86	143	19315m	11.95	ng/ul	0.26
57) Fluorene-d10	15.39	176	204186	20.63	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.63	200	5511m	2.52	ng/ul	0.11
70) Anthracene-d10	17.28	188	329106	19.99	ng/ul	0.05
78) Pyrene-d10	19.69	212	413715m	20.06	ng/ul	0.16
89) Benzo(a)pyrene-d12	24.91	264	531192m	27.00	ng/ul	1.45
Target Compounds						Qvalue
28) Naphthalene	10.57	128	23734	2.085	ng/ul	96
44) Dimethylphthalate	13.84	163	76439	6.944	ng/ul	98
47) Acenaphthylene	14.10	152	29930	2.280	ng/ul	96
49) Acenaphthene	14.44	153	56465	6.257	ng/ul	99
53) Dibenzofuran	14.79	168	39585	2.897	ng/ul	94
58) Fluorene	15.44	166	60780	5.552	ng/ul	98
69) Phenanthrene	17.22	178	956692	52.309	ng/ul	99
71) Anthracene	17.32	178	253616	13.632	ng/ul	96
74) Carbazole	17.65	167	115113	7.290	ng/ul	97
76) Fluoranthene	19.32	202	1401431	60.660	ng/ul	98
79) Pyrene	19.73	202	1211342m	47.144	ng/ul	
82) Benzo(a)anthracene	21.74	228	879980m	34.153	ng/ul	
84) Chrysene	21.77	228	656875m	26.677	ng/ul	
87) Benzo(b)fluoranthene	23.96	252	1356291m	54.885	ng/ul	
88) Benzo(k)fluoranthene	24.80	252	1331447m	54.854	ng/ul	
90) Benzo(a)pyrene	24.80	252	1293328m	55.613	ng/ul	

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

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Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:54:12 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations APPROVED
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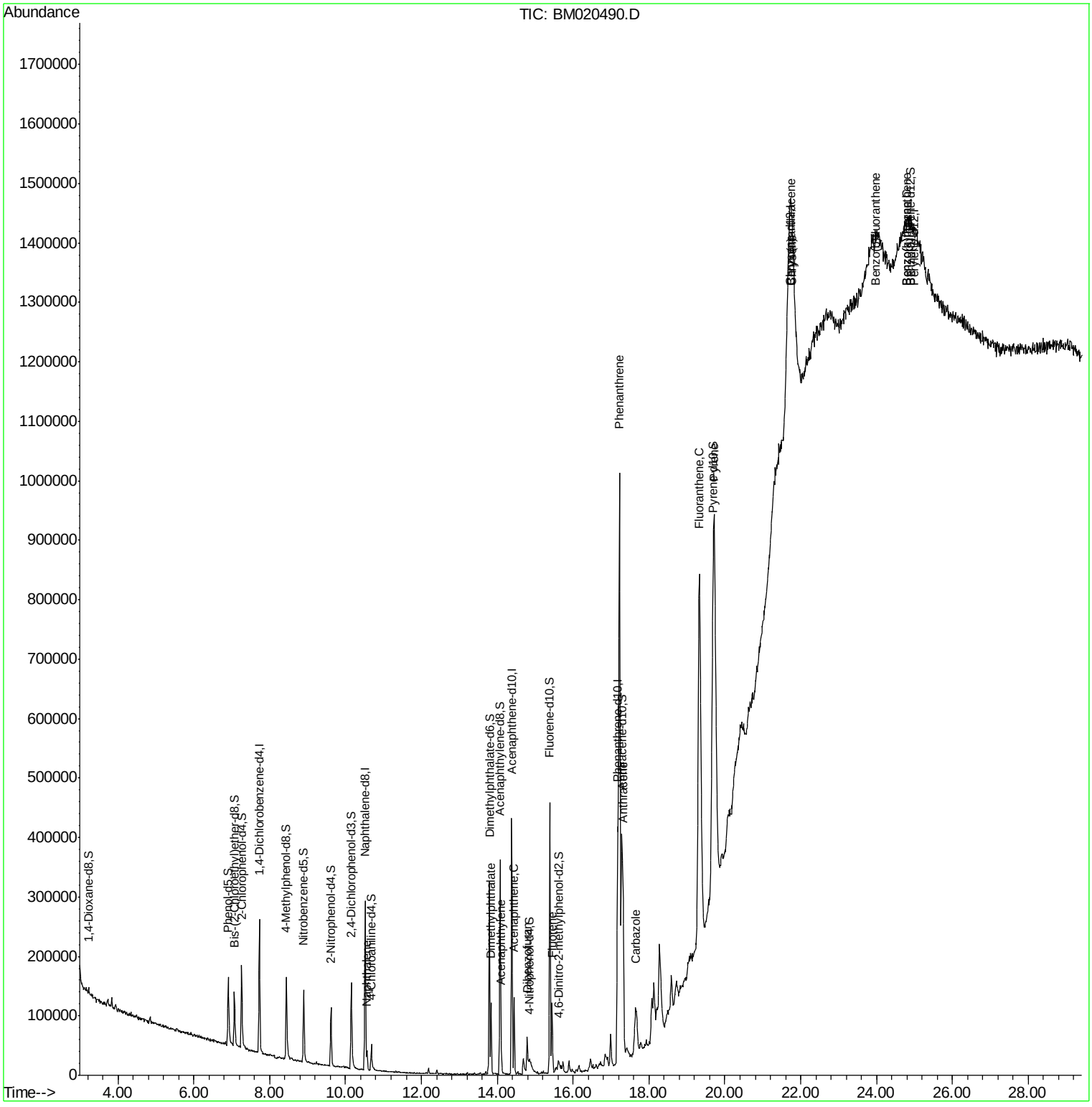
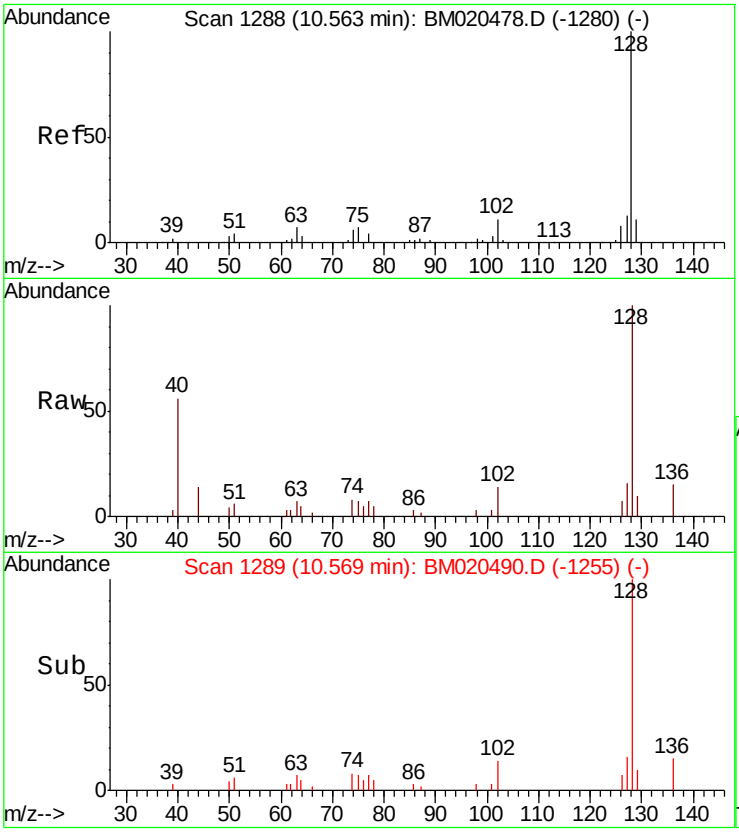
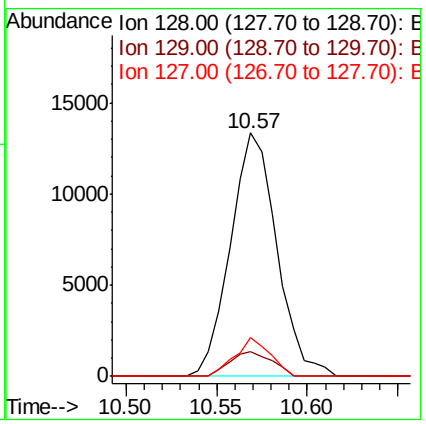




#28
Naphthalene
Concen: 2.085 ng/ul
RT: 10.57 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BM020490.D
Acq: 22 May 2019 09:31

Tgt Ion:128 Resp: 23734

Ion	Ratio	Lower	Upper
128	100		
129	10.1	8.6	13.0
127	15.7	10.6	15.8



Instrument :
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ClientSampleId :
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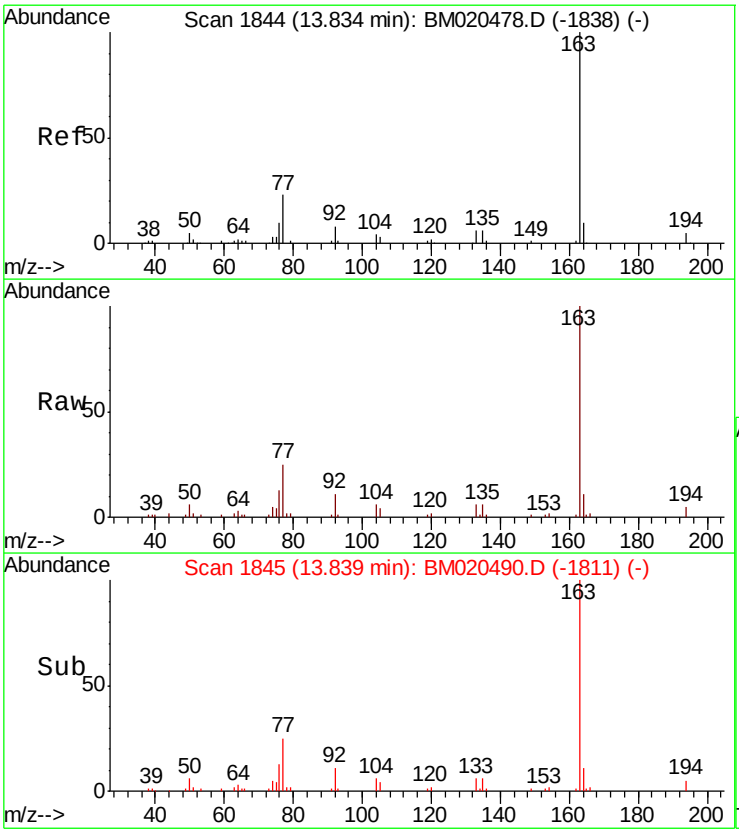
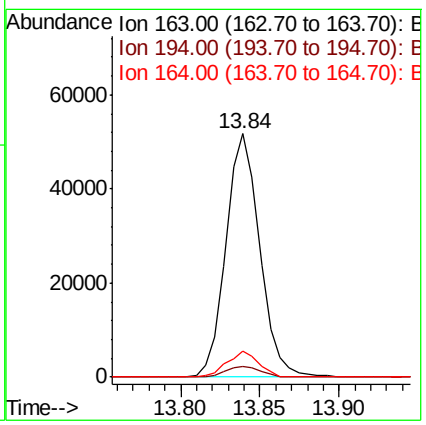
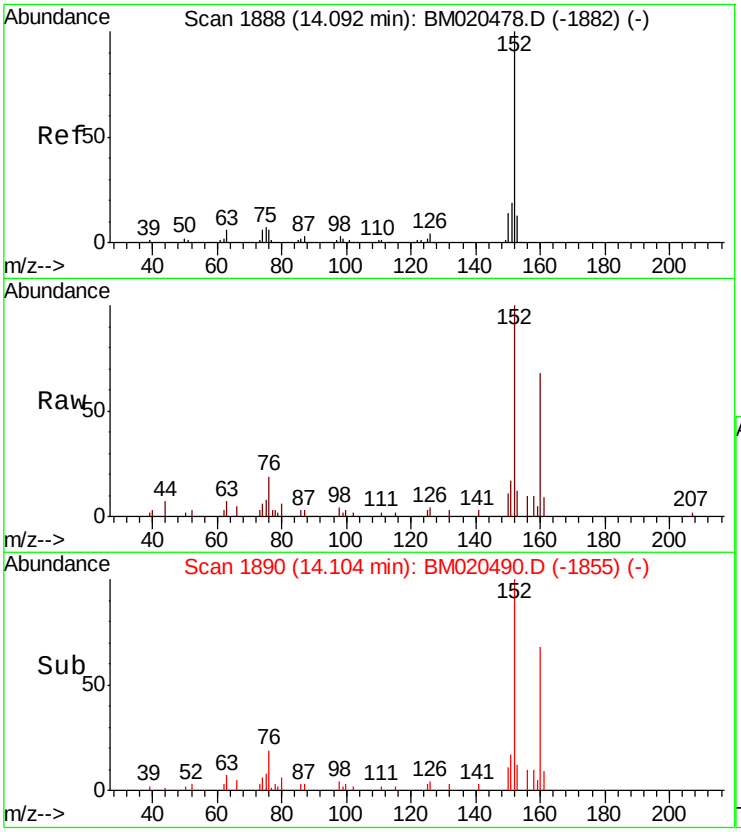


#44
Dimethylphthalate
Concen: 6.944 ng/ul
RT: 13.84 min Scan# 1845
Delta R.T. -0.00 min
Lab File: BM020490.D
Acq: 22 May 2019 09:31

Tgt Ion:163 Resp: 76439

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.3	4.9
164	10.9	8.0	12.0

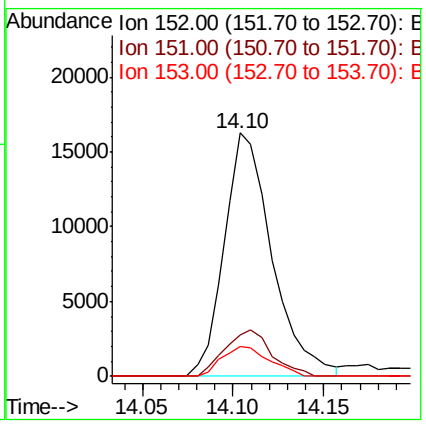




#47
Acenaphthylene
Concen: 2.280 ng/ul
RT: 14.10 min Scan# 1890
Delta R.T. 0.01 min
Lab File: BM020490.D
Acq: 22 May 2019 09:31

Tgt Ion:152 Resp: 29930

Ion	Ratio	Lower	Upper
152	100		
151	17.0	15.4	23.0
153	12.2	10.3	15.5



Instrument :
BNA_M
ClientSampleId :
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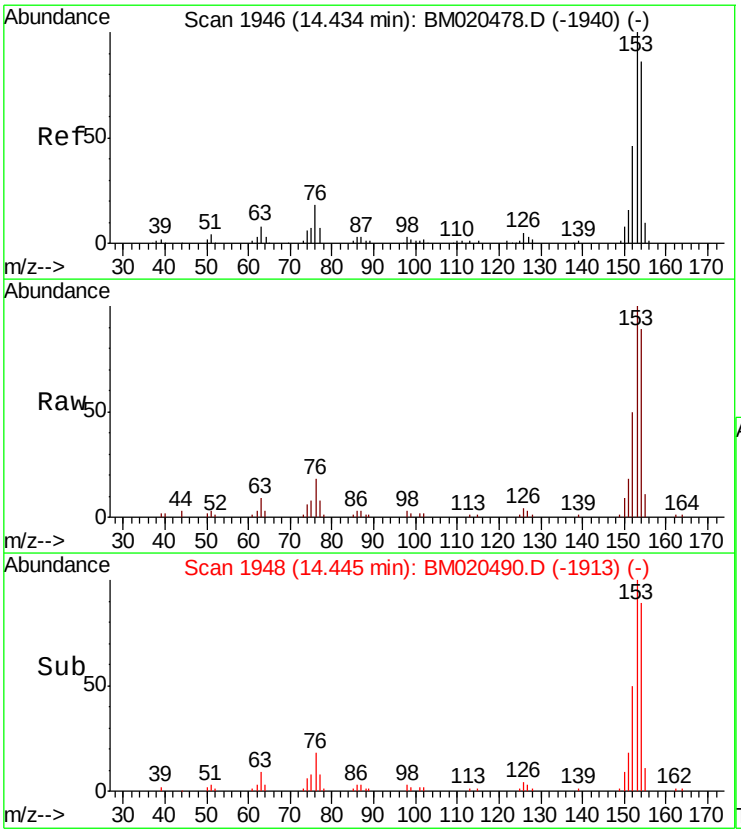
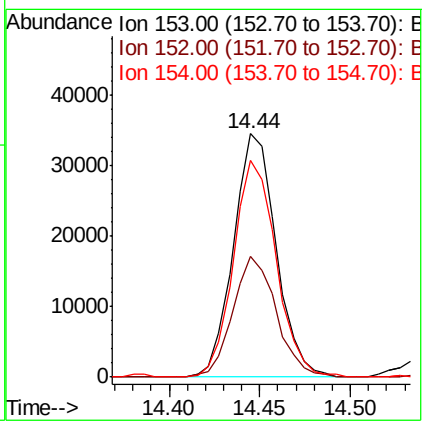
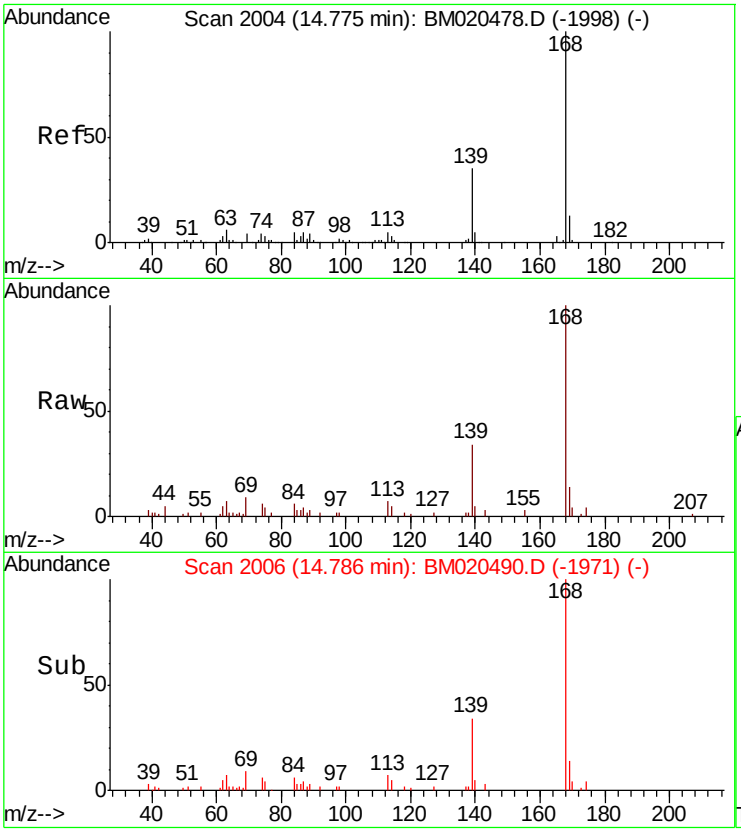


#49
Acenaphthene
Concen: 6.257 ng/ul
RT: 14.44 min Scan# 1948
Delta R.T. 0.01 min
Lab File: BM020490.D
Acq: 22 May 2019 09:31

Tgt Ion:153 Resp: 56465

Ion	Ratio	Lower	Upper
153	100		
152	49.8	37.9	56.9
154	89.1	71.2	106.8





#53
Dibenzofuran
Concen: 2.897 ng/ul
RT: 14.79 min Scan# 2006
Delta R.T. 0.01 min
Lab File: BM020490.D
Acq: 22 May 2019 09:31

Tgt Ion:168 Resp: 39585

Ion	Ratio	Lower	Upper
168	100		
139	33.9	30.1	45.1

Instrument :
BNA_M
ClientSampleId :
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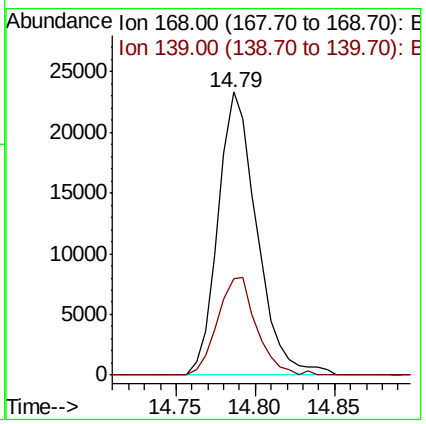
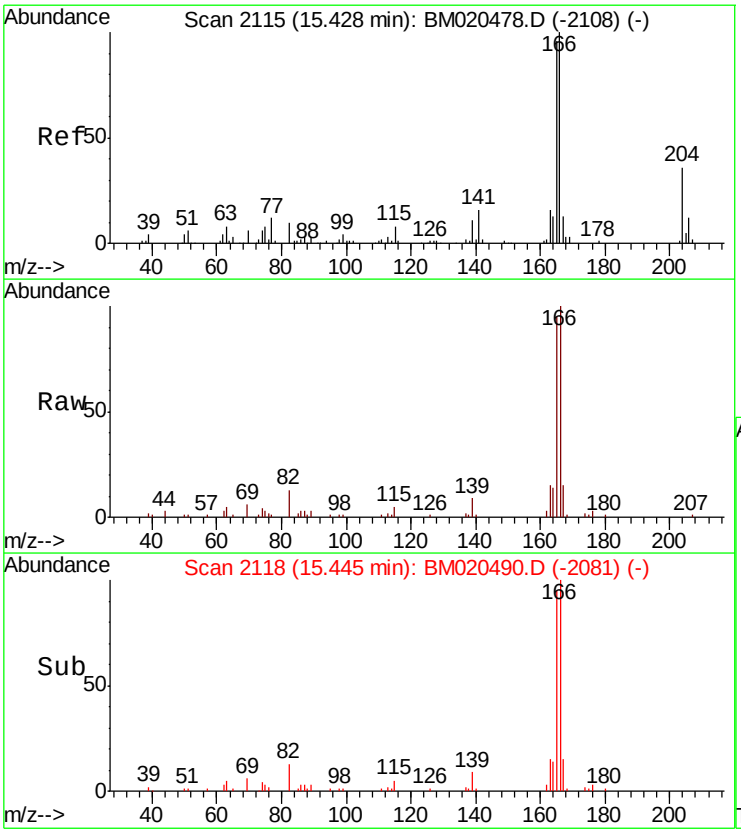
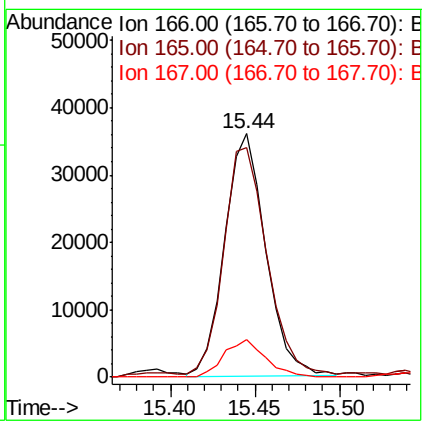


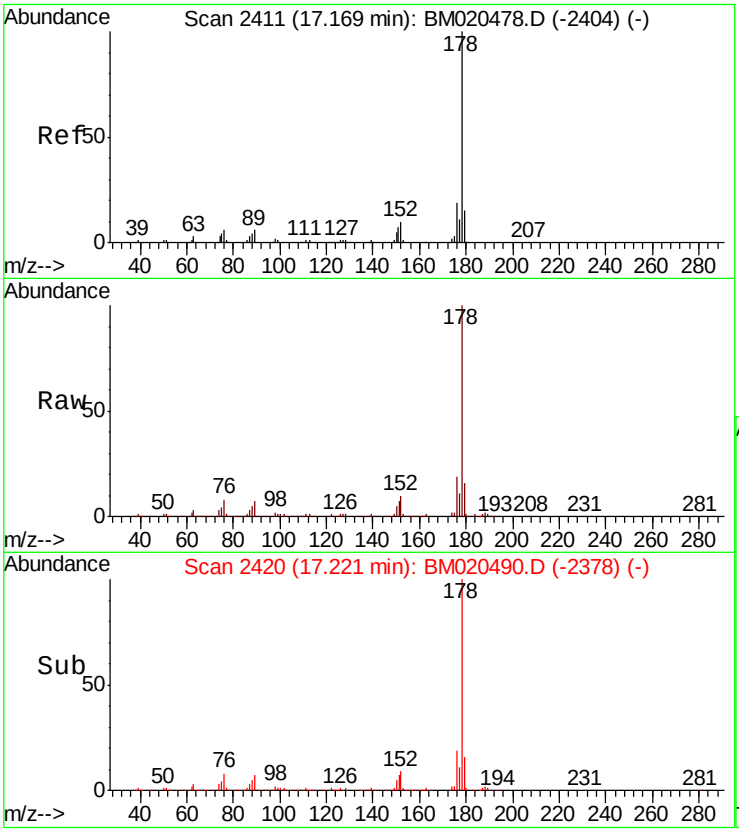


#58
Fluorene
Concen: 5.552 ng/ul
RT: 15.44 min Scan# 2118
Delta R.T. 0.02 min
Lab File: BM020490.D
Acq: 22 May 2019 09:31

Tgt Ion:166 Resp: 60780

Ion	Ratio	Lower	Upper
166	100		
165	94.5	77.1	115.7
167	15.4	11.1	16.7

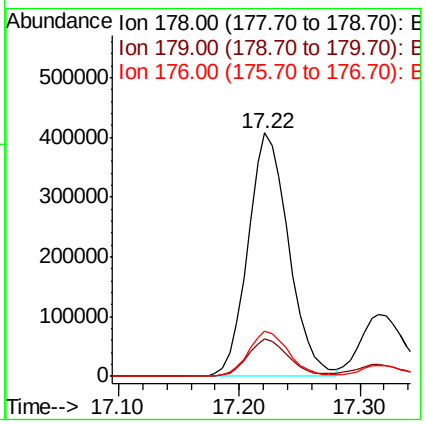




#69
Phenanthrene
Concen: 52.309 ng/ul
RT: 17.22 min Scan# 2420
Delta R.T. 0.05 min
Lab File: BM020490.D
Acq: 22 May 2019 09:31

Tgt Ion:178 Resp: 956692

Ion	Ratio	Lower	Upper
178	100		
179	15.6	11.9	17.9
176	18.6	14.6	22.0



Instrument :
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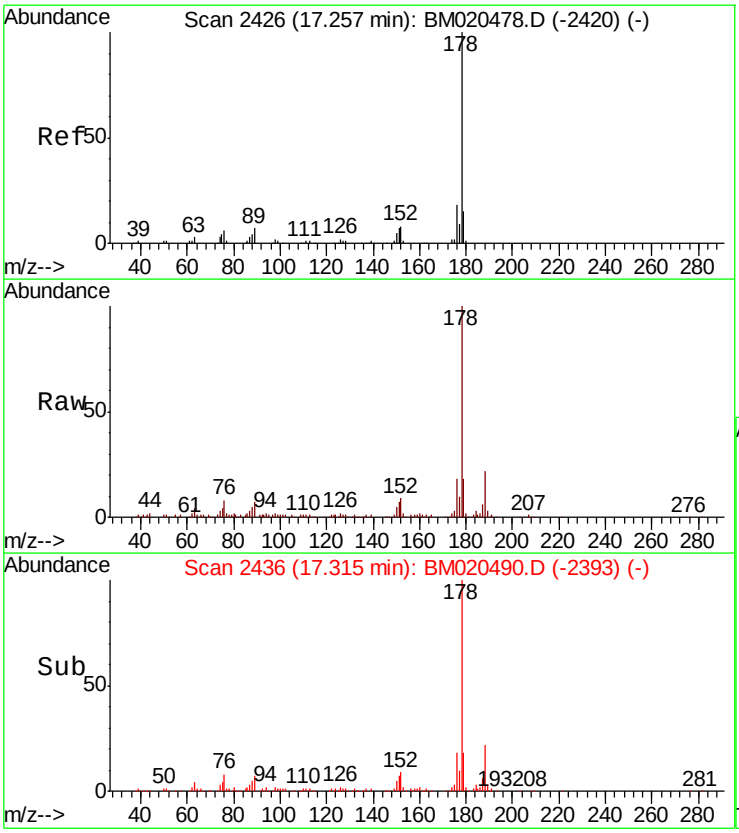
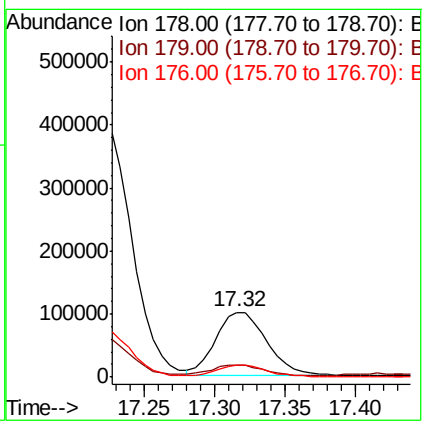
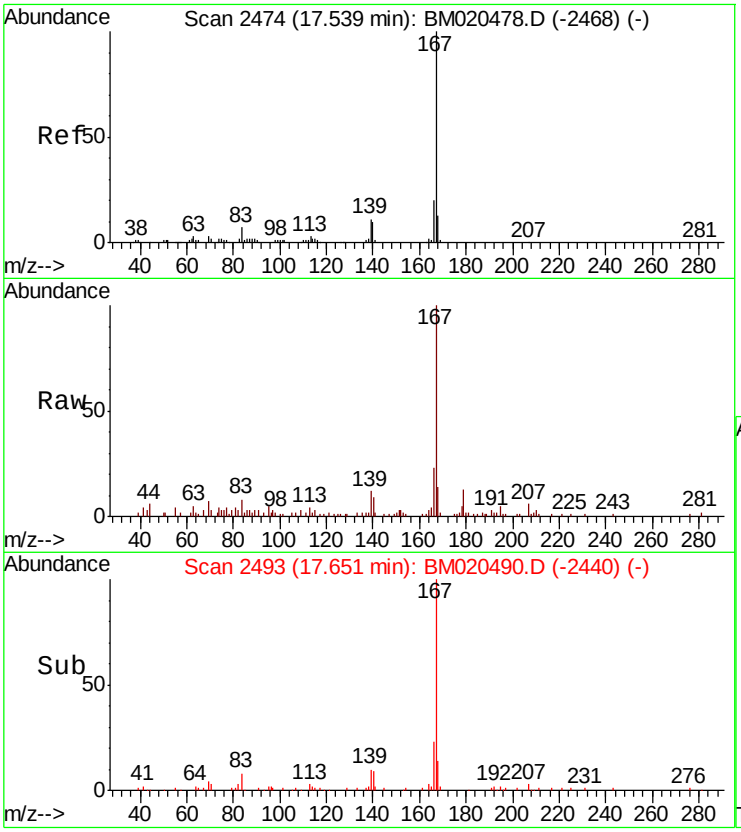


#71
Anthracene
Concen: 13.632 ng/ul
RT: 17.32 min Scan# 2436
Delta R.T. 0.05 min
Lab File: BM020490.D
Acq: 22 May 2019 09:31

Tgt Ion:178 Resp: 253616

Ion	Ratio	Lower	Upper
178	100		
179	18.4	12.4	18.6
176	17.6	14.4	21.6

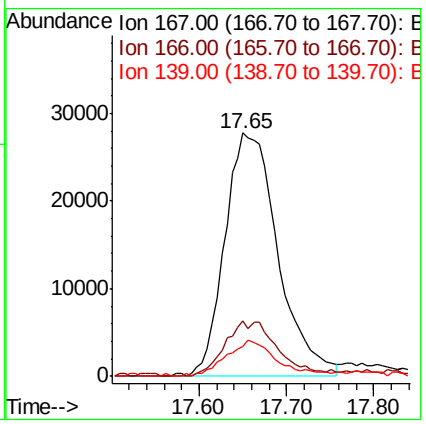




#74
Carbazole
Concen: 7.290 ng/ul
RT: 17.65 min Scan# 2493
Delta R.T. 0.11 min
Lab File: BM020490.D
Acq: 22 May 2019 09:31

Tgt Ion:167 Resp: 115113

Ion	Ratio	Lower	Upper
167	100		
166	22.9	16.6	24.8
139	12.3	9.8	14.8



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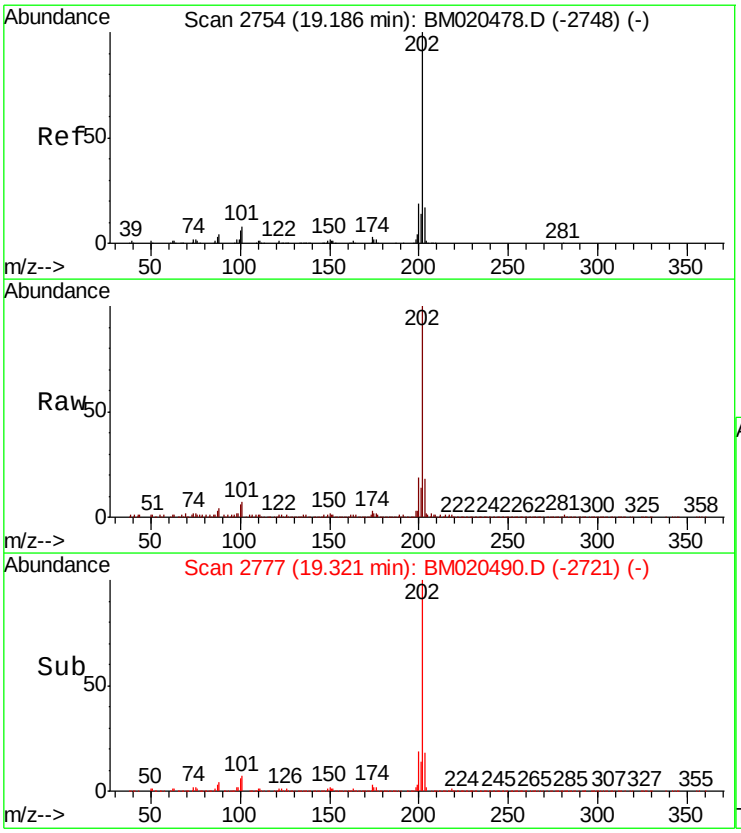
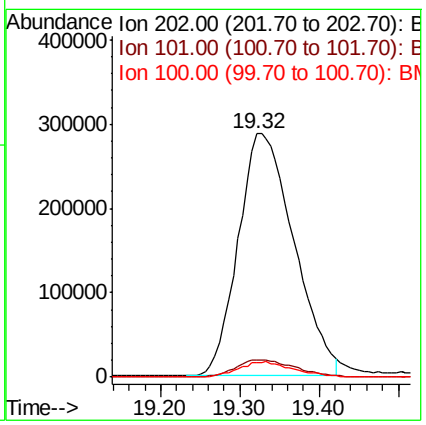
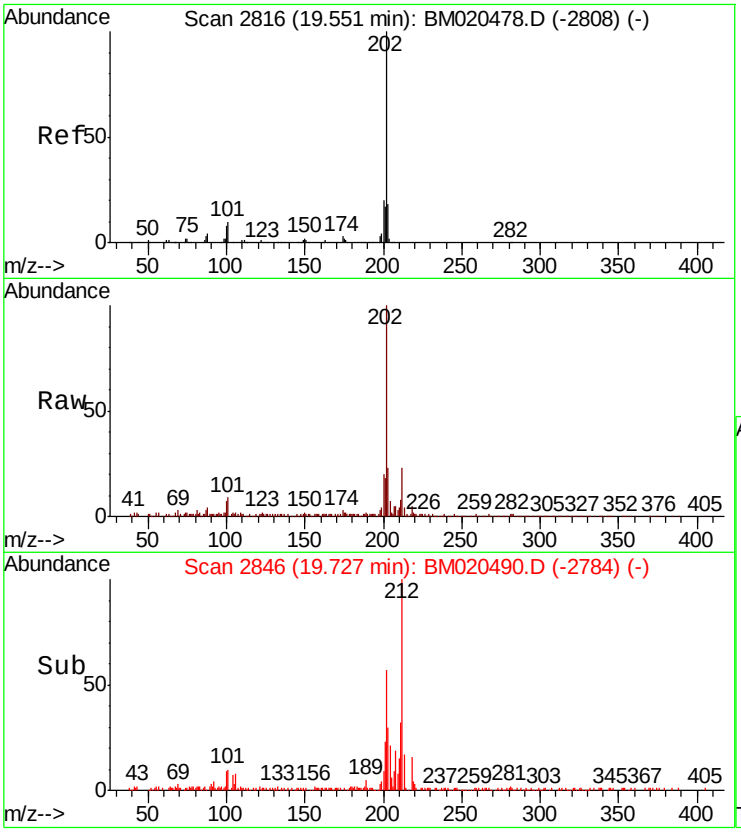


#76
Fluoranthene
Concen: 60.660 ng/ul
RT: 19.32 min Scan# 2777
Delta R.T. 0.13 min
Lab File: BM020490.D
Acq: 22 May 2019 09:31

Tgt Ion:202 Resp: 1401431

Ion	Ratio	Lower	Upper
202	100		
101	7.3	6.4	9.6
100	5.8	5.2	7.8

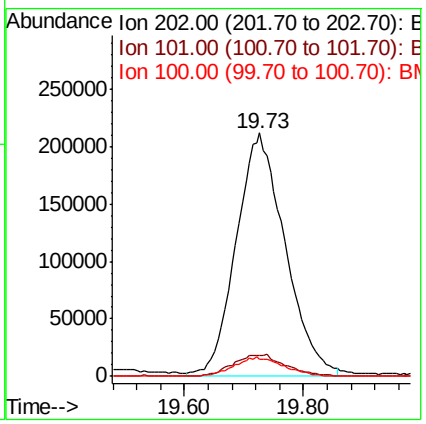




#79
Pyrene
Concen: 47.144 ng/ul m
RT: 19.73 min Scan# 2846
Delta R.T. 0.16 min
Lab File: BM020490.D
Acq: 22 May 2019 09:31

Tgt Ion:202 Resp: 1211342

Ion	Ratio	Lower	Upper
202	100		
101	8.8	7.1	10.7
100	7.2	5.9	8.9



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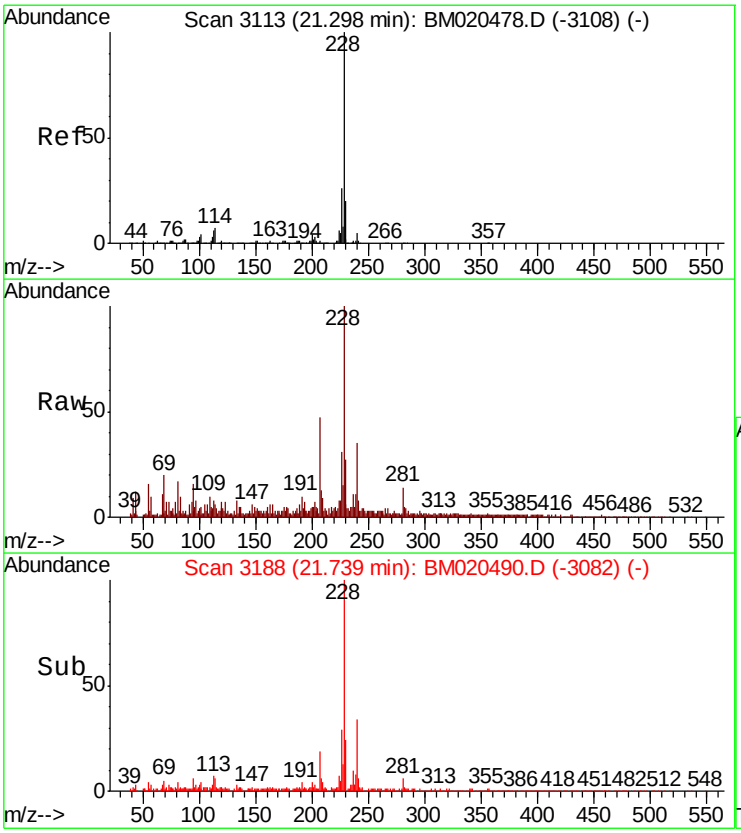
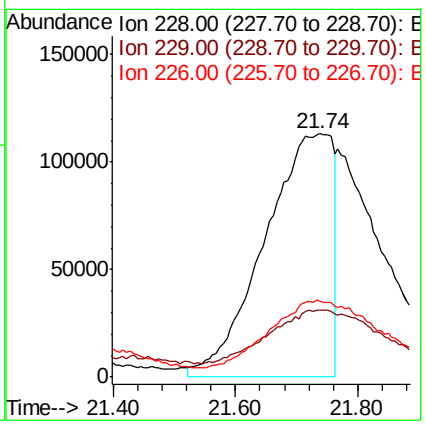
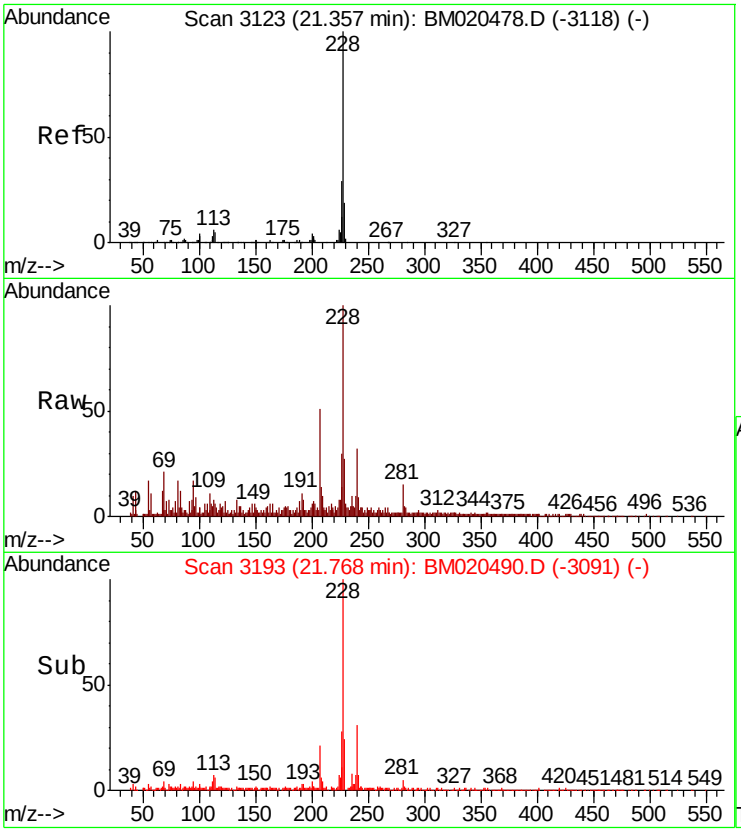


#82
Benzo(a)anthracene
Concen: 34.153 ng/ul m
RT: 21.74 min Scan# 3188
Delta R.T. 0.42 min
Lab File: BM020490.D
Acq: 22 May 2019 09:31

Tgt Ion:228 Resp: 879980

Ion	Ratio	Lower	Upper
228	100		
229	27.3	15.8	23.8#
226	31.2	20.6	30.8#





#84
Chrysene
Concen: 26.677 ng/ul m
RT: 21.77 min Scan# 3193
Delta R.T. 0.40 min
Lab File: BM020490.D
Acq: 22 May 2019 09:31

Tgt Ion:228 Resp: 656875

Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.2	33.4
229	26.8	15.4	23.2#

Instrument :
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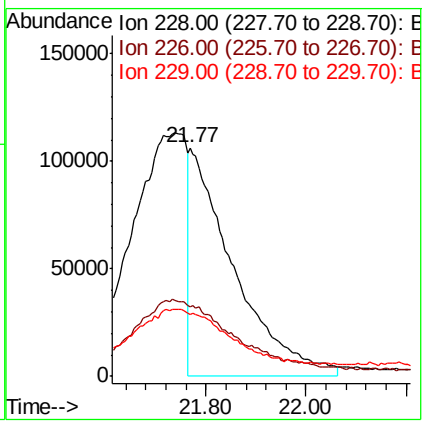
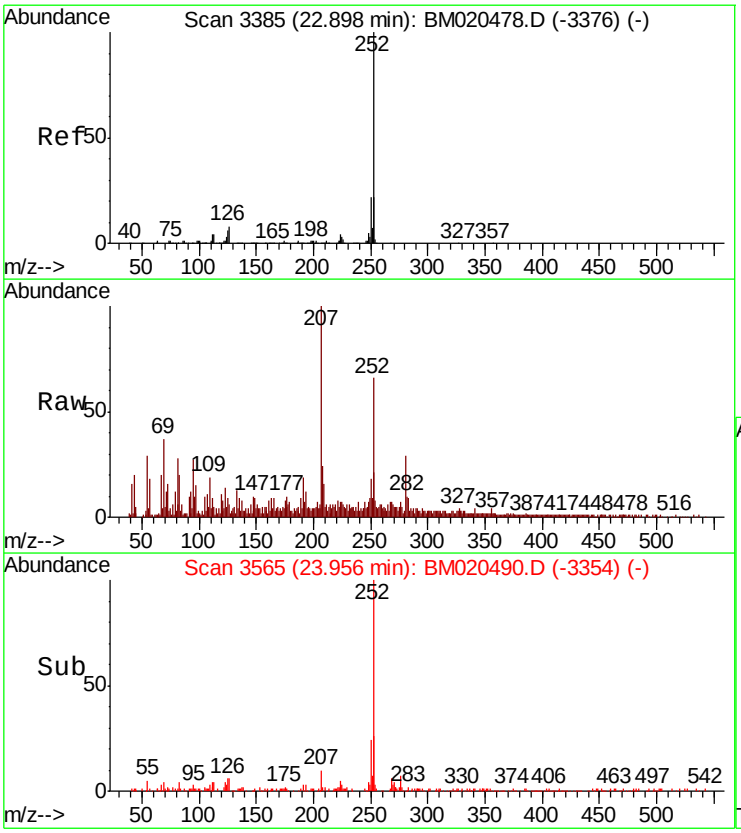
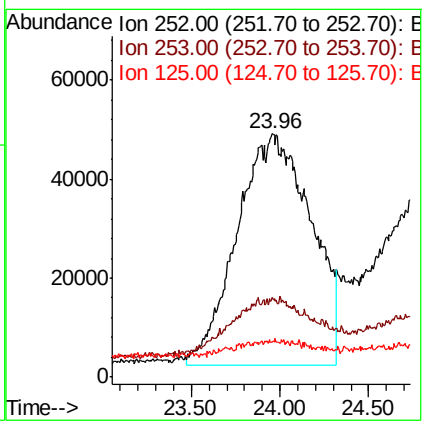


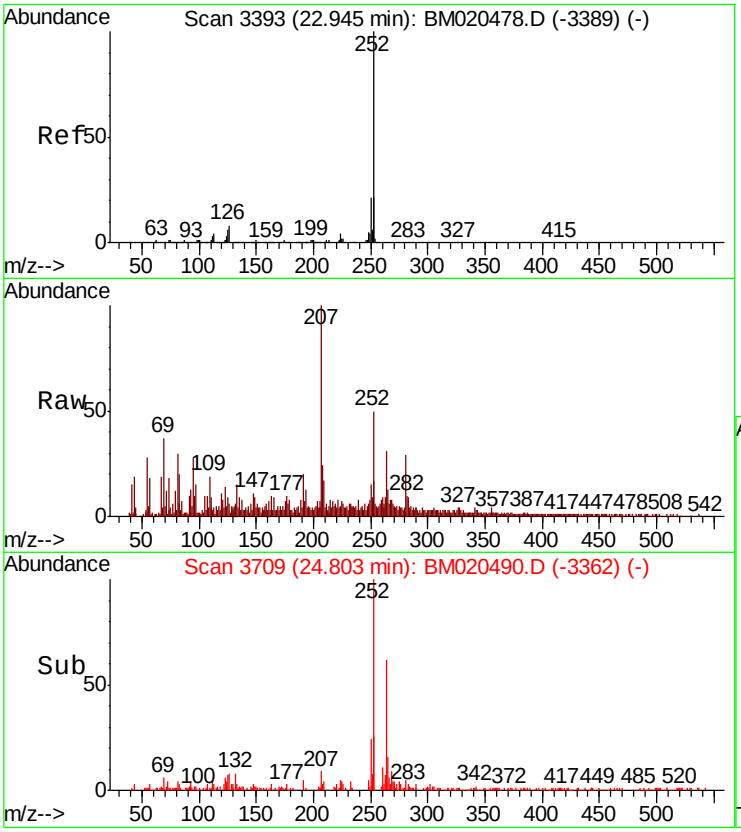


#87
Benzo(b)fluoranthene
Concen: 54.885 ng/ul m
RT: 23.96 min Scan# 3565
Delta R.T. 1.04 min
Lab File: BM020490.D
Acq: 22 May 2019 09:31

Tgt Ion:252 Resp: 1356291

Ion	Ratio	Lower	Upper
252	100		
253	32.6	17.0	25.6#
125	14.4	5.0	7.4#





#88
Benzo(k)fluoranthene
Concen: 54.854 ng/ul m
RT: 24.80 min Scan# 3709
Delta R.T. 1.84 min
Lab File: BM020490.D
Acq: 22 May 2019 09:31

Tgt Ion:252 Resp: 1331447

Ion	Ratio	Lower	Upper
252	100		
253	33.8	17.6	26.4#
125	17.3	5.0	7.6#

Instrument :
BNA_M
ClientSampleId :
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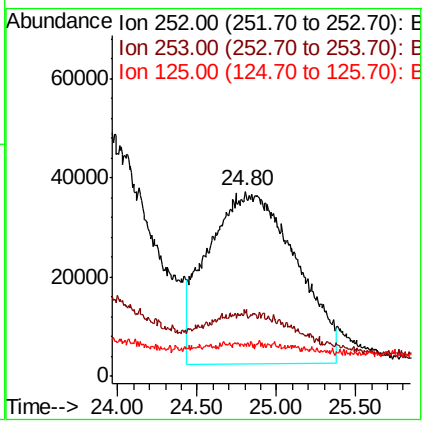

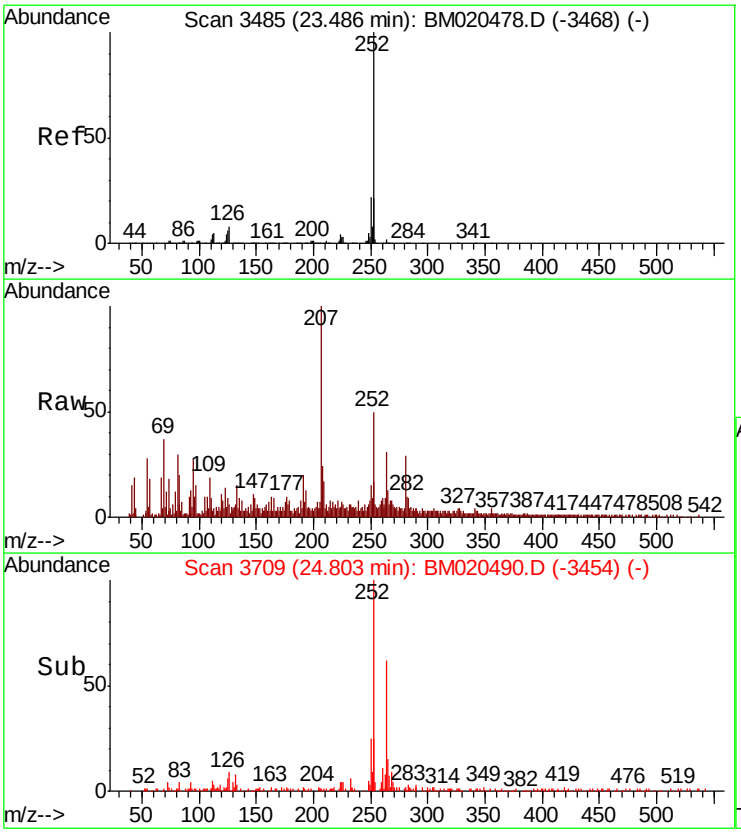

#90
Benzo(a)pyrene
Concen: 55.613 ng/ul m
RT: 24.80 min Scan# 3709
Delta R.T. 1.30 min
Lab File: BM020490.D
Acq: 22 May 2019 09:31

Tgt Ion:252 Resp: 1293328

Ion	Ratio	Lower	Upper
252	100		
253	33.8	17.4	26.2#
125	17.3	5.4	8.2#