Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020390.D
Acq On : 18 May 2019 07:34
Operator : JU/SJ
Sample : K2604-20 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ91

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Quant Time: May 20 05:37:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	65251	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	244332	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.38	164	169597	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	368364	20.00	ng/ul	0.00
77) Chrysene-d12	21.33	240	402160	20.00	ng/ul	0.00
85) Perylene-d12	23.60	264	453973	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.90	99	3371	0.65	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	2366	0.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	2615	0.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	2245	0.59	ng/ul	0.01
19) Nitrobenzene-d5	8.90	128	2335	1.47	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	748	0.43	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	2548	0.69	ng/ul	0.00
29) 4-Chloroaniline-d4	10.68	131	13032	3.40	ng/ul	0.01
43) Dimethylphthalate-d6	13.79	166	18443	1.51	ng/ul	0.00
46) Acenaphthylene-d8	14.08	160	16645	1.09	ng/ul	0.00
51) 4-Nitrophenol-d4	14.59	143	1320	0.75	ng/ul	-0.01
57) Fluorene-d10	15.38	176	14657	1.35	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.52	200	426	0.20	ng/ul	0.00
70) Anthracene-d10	17.24	188	17759m	1.12	ng/ul	0.00
78) Pyrene-d10	19.53	212	24278	1.25	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.45	264	22642	1.10	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.60	128	21042392	1874.484	ng/ul	95
34) 2-Methylnaphthalene	12.22	142	9415709	1158.448	ng/ul	98
40) 1,1'-Biphenyl	13.21	154	1042373	85.852	ng/ul	99
47) Acenaphthylene	14.12	152	7020255	487.754	ng/ul	98
49) Acenaphthene	14.45	153	415324	41.974	ng/ul	99
53) Dibenzofuran	14.78	168	461385m	30.792	ng/ul	
58) Fluorene	15.44	166	3235827	269.571	ng/ul	99
69) Phenanthrene	17.20	178	15123420	861.654	ng/ul	93
71) Anthracene	17.28	178	3264668	182.855	ng/ul	99
74) Carbazole	17.54	167	35987	2.375	ng/ul#	76
76) Fluoranthene	19.20	202	5705009	257.317	ng/ul	99
79) Pyrene	19.57	202	8399979	347.991	ng/ul	96
82) Benzo(a)anthracene	21.32	228	2933734m	121.203	ng/ul	
84) Chrysene	21.37	228	2456854	106.211	ng/ul	96
87) Benzo(b)fluoranthene	22.92	252	1883995	72.715	ng/ul	98
88) Benzo(k)fluoranthene	22.95	252	533994m	20.983	ng/ul	
90) Benzo(a)pyrene	23.50	252	2263561	92.833	ng/ul	100
91) Indeno(1,2,3-cd)pyrene	25.90	276	875793	31.522	ng/ul	97
92) Dibenzo(a,h)anthracene	25.90	278	247492	10.417	ng/ul#	93
93) Benzo(g,h,i)perylene	26.61	276	919911	39.998	ng/ul	97

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

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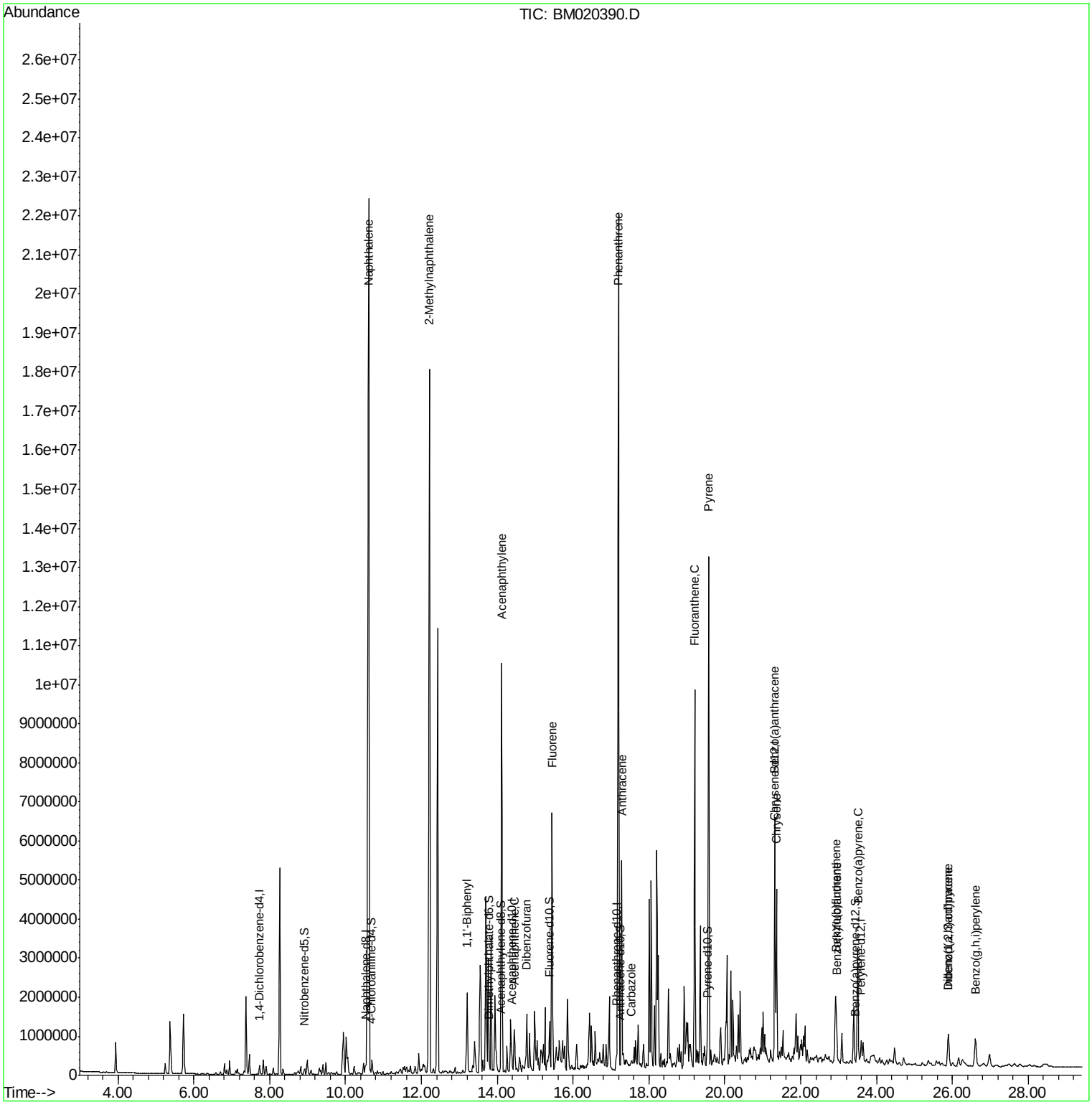
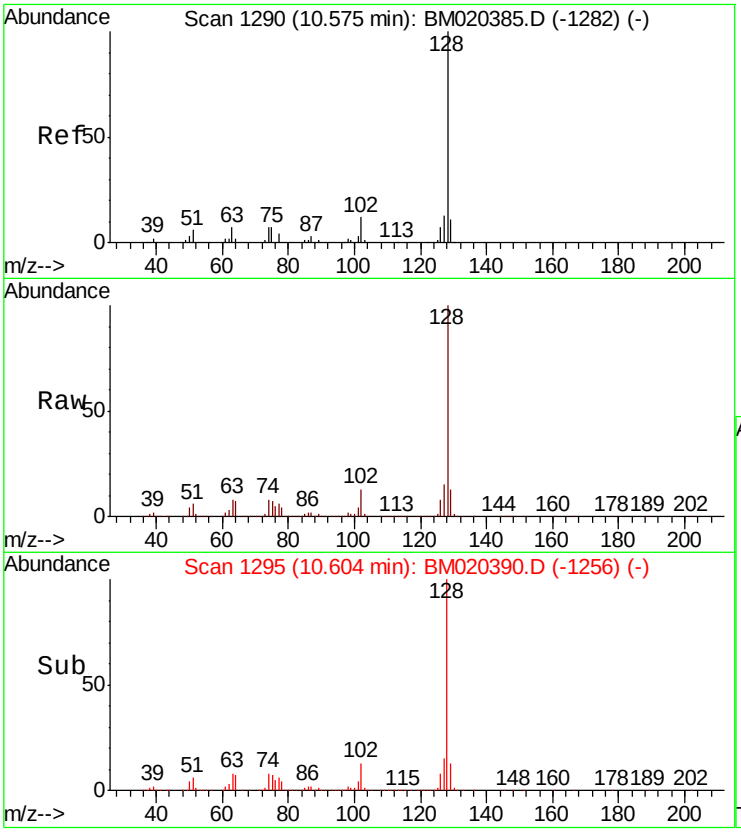
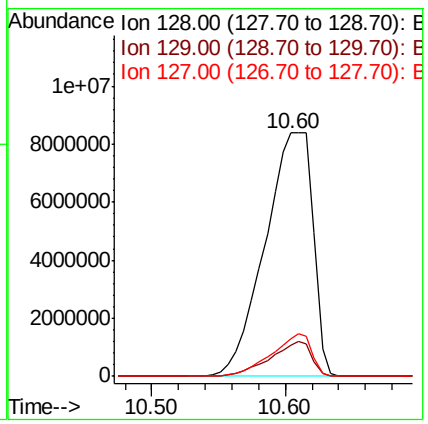




#28
Naphthalene
Concen: 1874.484 ng/ul
RT: 10.60 min Scan# 1295
Delta R.T. 0.03 min
Lab File: BM020390.D
Acq: 18 May 2019 07:34

Tgt Ion:128 Resp:21042392

Ion	Ratio	Lower	Upper
128	100		
129	12.9	8.6	13.0
127	15.3	10.6	15.8



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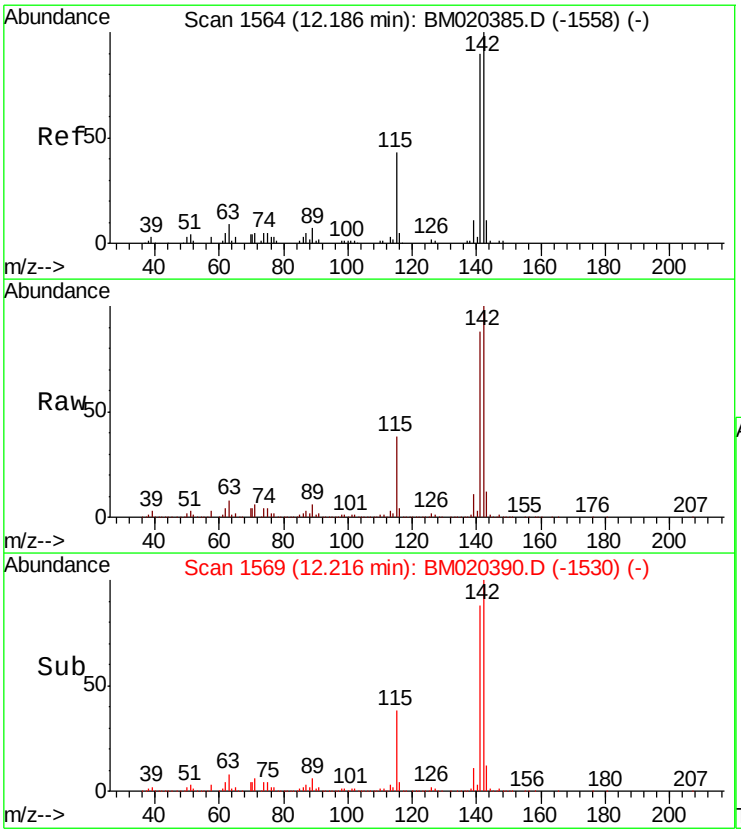
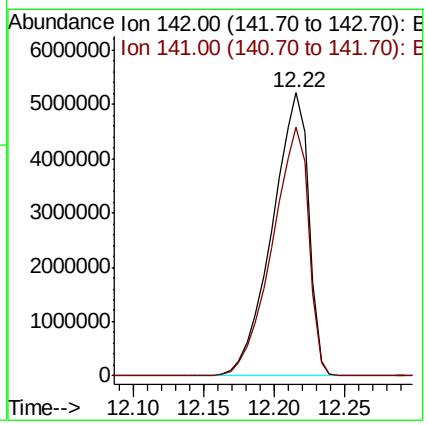
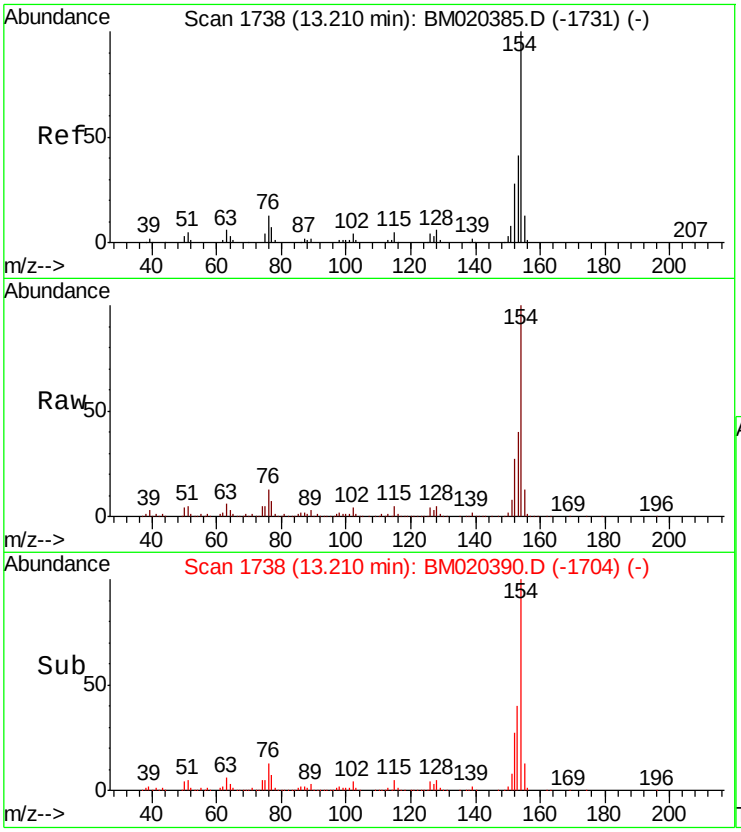


#34
2-Methylnaphthalene
Concen: 1158.448 ng/ul
RT: 12.22 min Scan# 1569
Delta R.T. 0.03 min
Lab File: BM020390.D
Acq: 18 May 2019 07:34

Tgt Ion:142 Resp: 9415709

Ion	Ratio	Lower	Upper
142	100		
141	88.0	68.6	102.8





#40
1,1'-Biphenyl
Concen: 85.852 ng/ul
RT: 13.21 min Scan# 1738
Delta R.T. 0.00 min
Lab File: BM020390.D
Acq: 18 May 2019 07:34

Tgt Ion:154 Resp: 1042373

Ion	Ratio	Lower	Upper
154	100		
153	39.8	32.2	48.4
76	13.0	11.0	16.4

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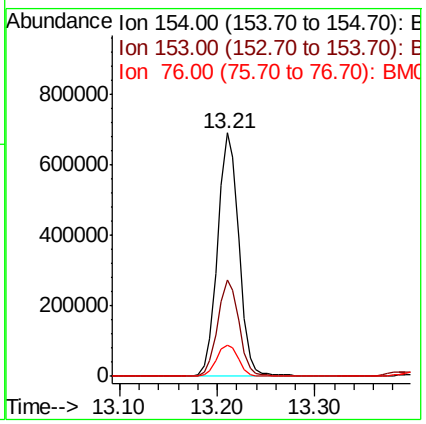
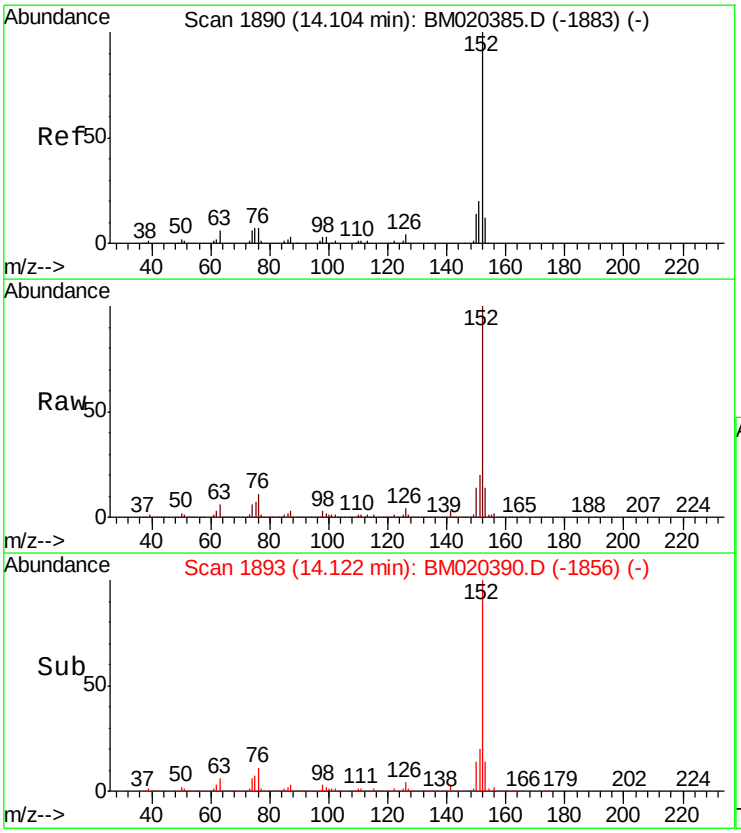
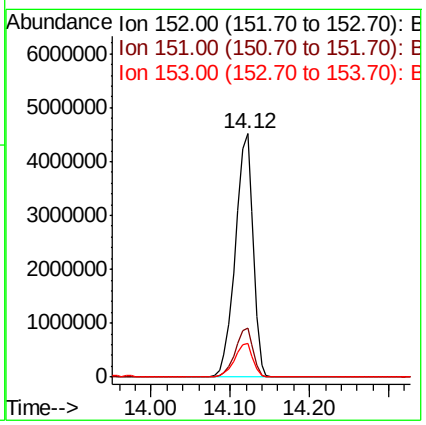


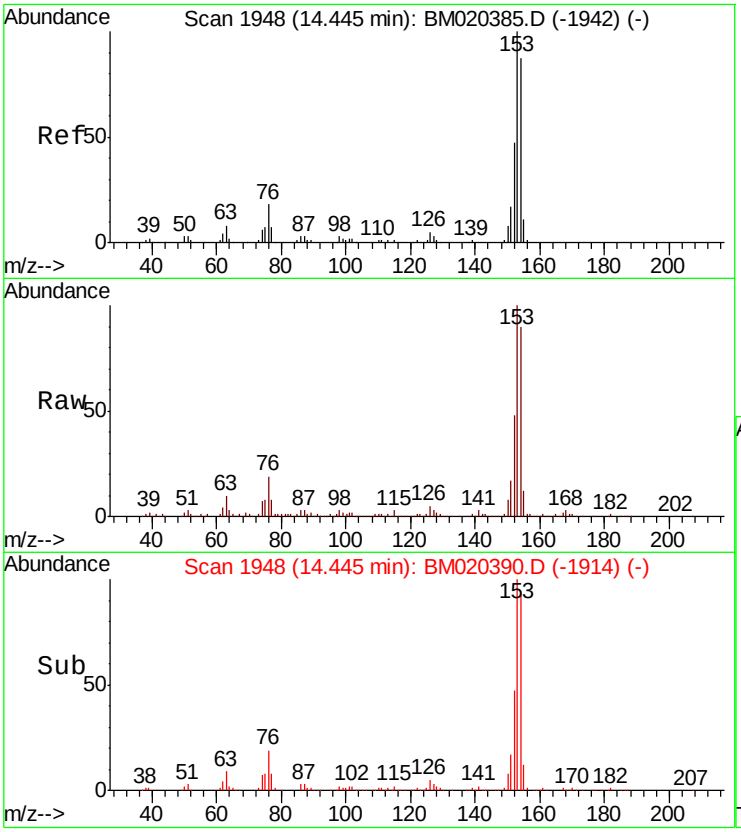


#47
Acenaphthylene
Concen: 487.754 ng/ul
RT: 14.12 min Scan# 1893
Delta R.T. 0.02 min
Lab File: BM020390.D
Acq: 18 May 2019 07:34

Tgt Ion:152 Resp: 7020255

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.4	23.0
153	13.8	10.3	15.5

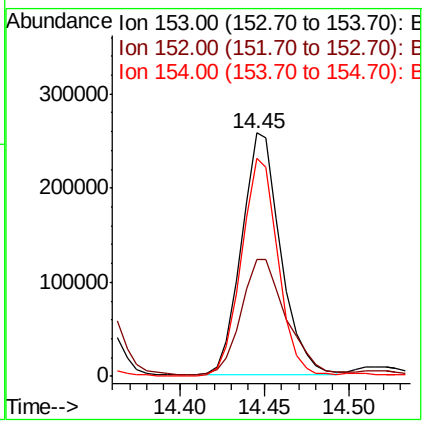




#49
Acenaphthene
Concen: 41.974 ng/ul
RT: 14.45 min Scan# 1948
Delta R.T. 0.00 min
Lab File: BM020390.D
Acq: 18 May 2019 07:34

Tgt Ion:153 Resp: 415324

Ion	Ratio	Lower	Upper
153	100		
152	47.9	37.9	56.9
154	89.7	71.2	106.8



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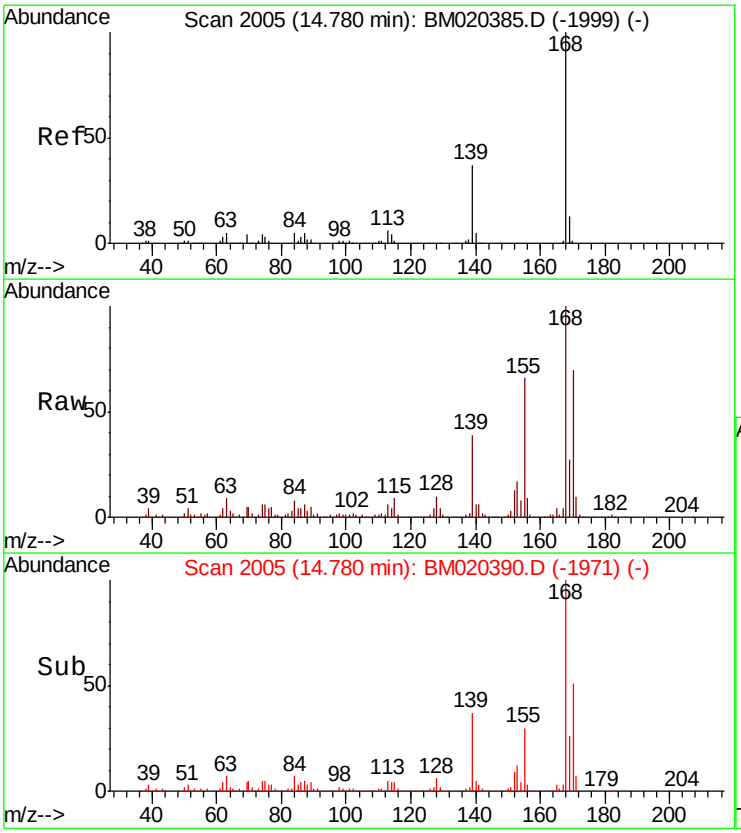
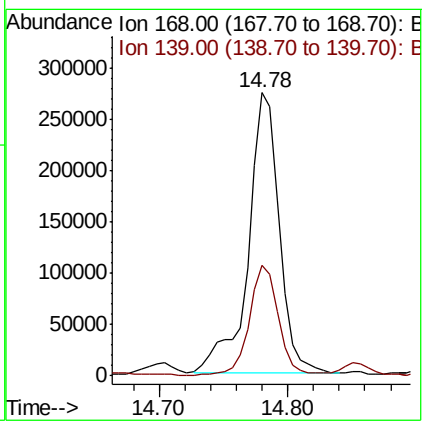
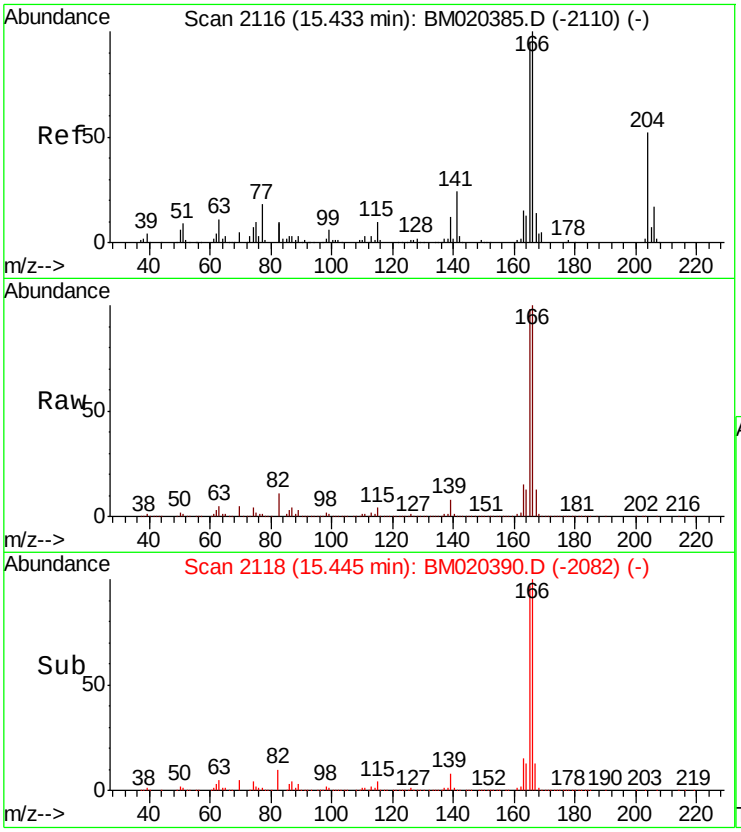


#53
Dibenzofuran
Concen: 30.792 ng/ul m
RT: 14.78 min Scan# 2005
Delta R.T. 0.00 min
Lab File: BM020390.D
Acq: 18 May 2019 07:34

Tgt Ion:168 Resp: 461385

Ion	Ratio	Lower	Upper
168	100		
139	39.2	30.1	45.1

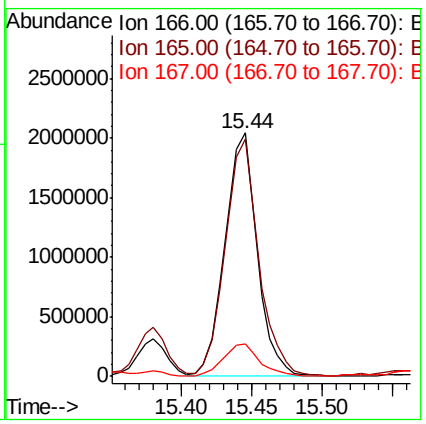




#58
Fluorene
Concen: 269.571 ng/ul
RT: 15.44 min Scan# 2118
Delta R.T. 0.01 min
Lab File: BM020390.D
Acq: 18 May 2019 07:34

Tgt Ion:166 Resp: 3235827

Ion	Ratio	Lower	Upper
166	100		
165	97.6	77.1	115.7
167	13.4	11.1	16.7



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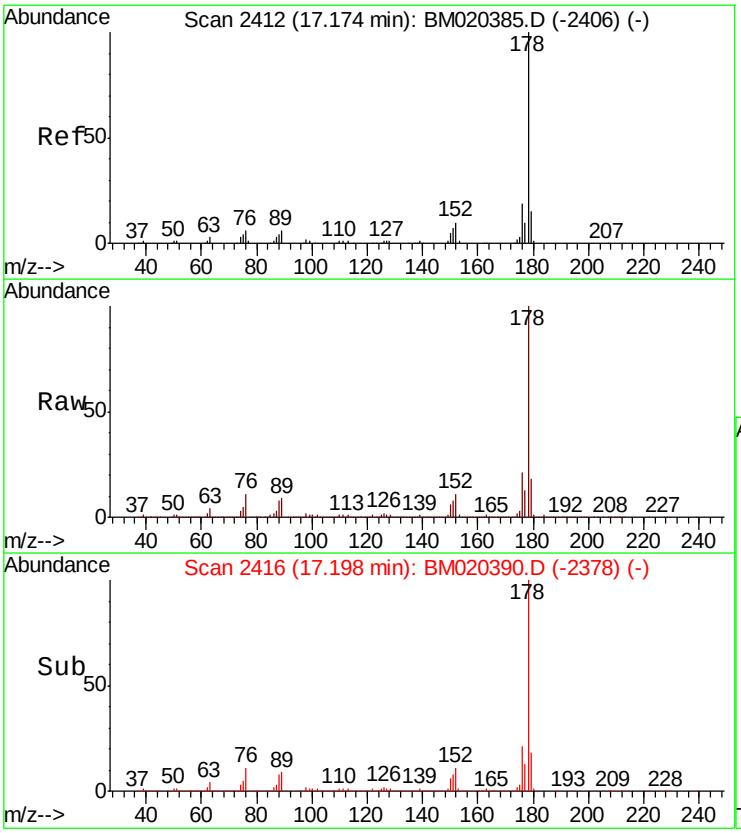
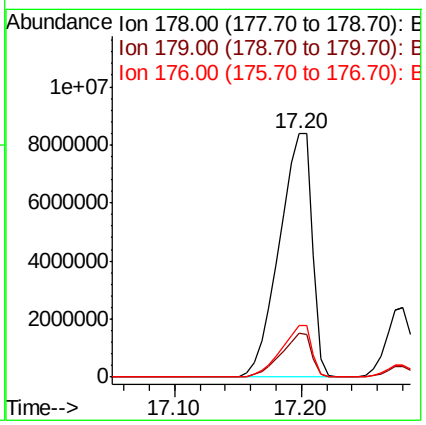
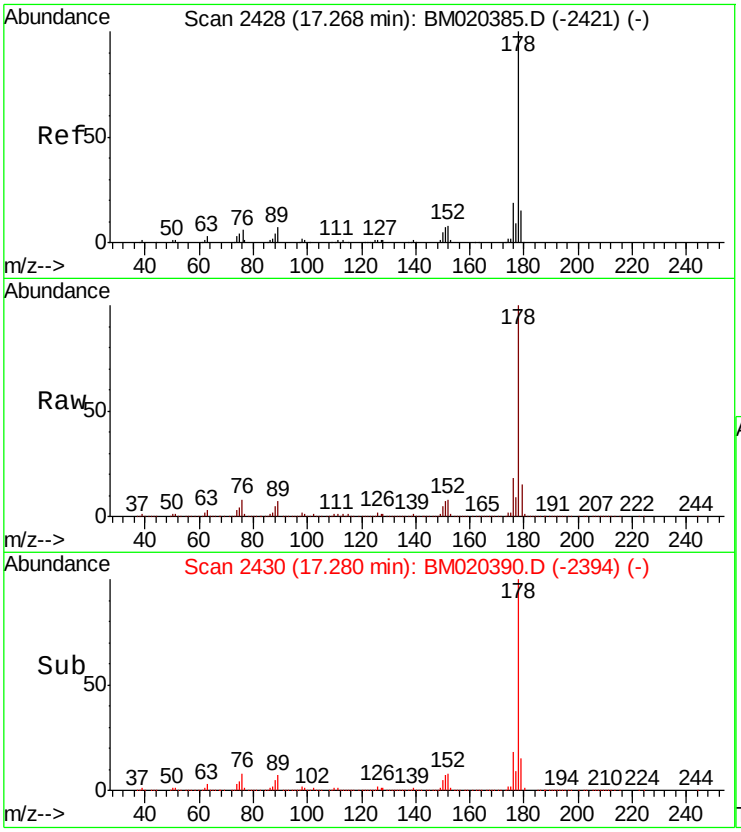


#69
Phenanthrene
Concen: 861.654 ng/ul
RT: 17.20 min Scan# 2416
Delta R.T. 0.02 min
Lab File: BM020390.D
Acq: 18 May 2019 07:34

Tgt Ion:178 Resp:15123420

Ion	Ratio	Lower	Upper
178	100		
179	17.8	11.9	17.9
176	21.2	14.6	22.0

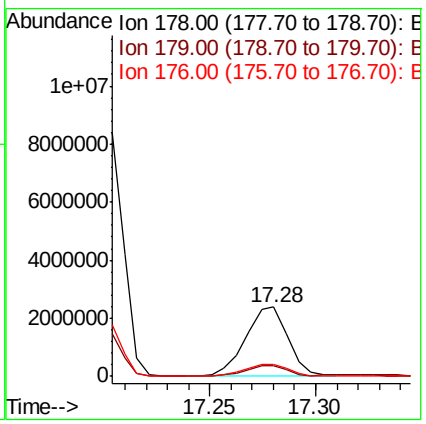




#71
Anthracene
Concen: 182.855 ng/ul
RT: 17.28 min Scan# 2430
Delta R.T. 0.01 min
Lab File: BM020390.D
Acq: 18 May 2019 07:34

Tgt Ion:178 Resp: 3264668

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.4	18.6
176	17.6	14.4	21.6



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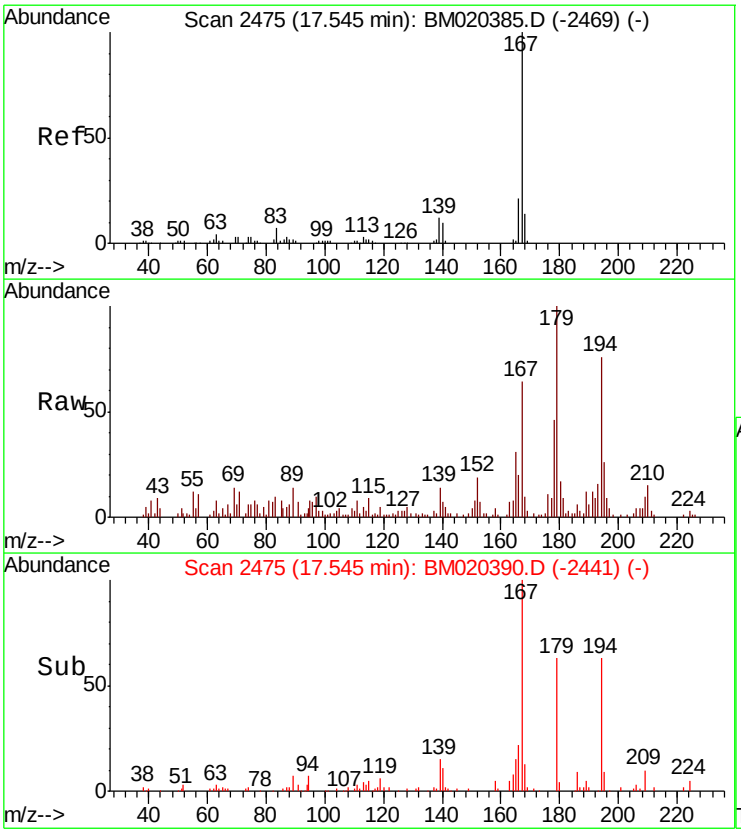
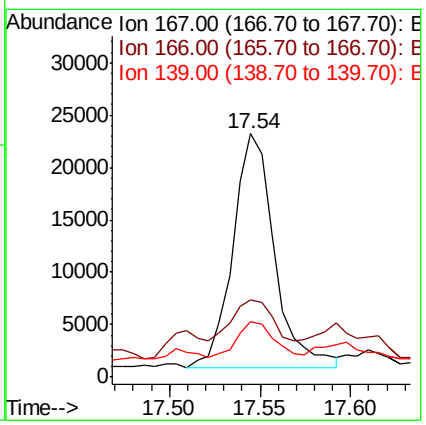
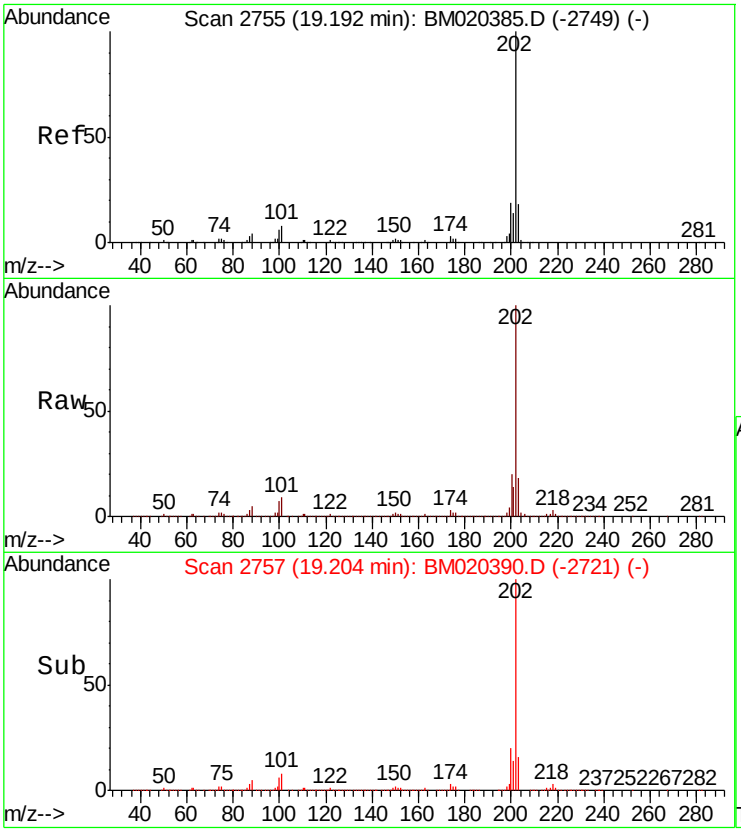


#74
Carbazole
Concen: 2.375 ng/ul
RT: 17.54 min Scan# 2475
Delta R.T. 0.00 min
Lab File: BM020390.D
Acq: 18 May 2019 07:34

Tgt Ion:167 Resp: 35987

Ion	Ratio	Lower	Upper
167	100		
166	31.6	16.6	24.8#
139	22.6	9.8	14.8#

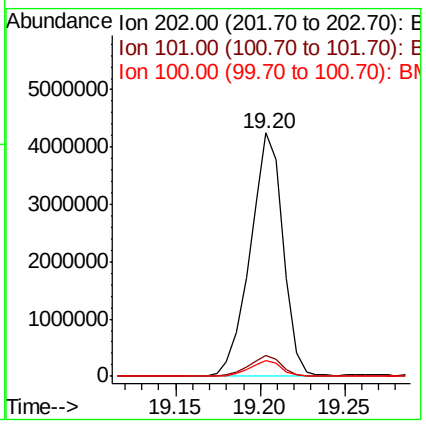




#76
Fluoranthene
Concen: 257.317 ng/ul
RT: 19.20 min Scan# 2757
Delta R.T. 0.01 min
Lab File: BM020390.D
Acq: 18 May 2019 07:34

Tgt Ion:202 Resp: 5705009

Ion	Ratio	Lower	Upper
202	100		
101	8.5	6.4	9.6
100	6.6	5.2	7.8



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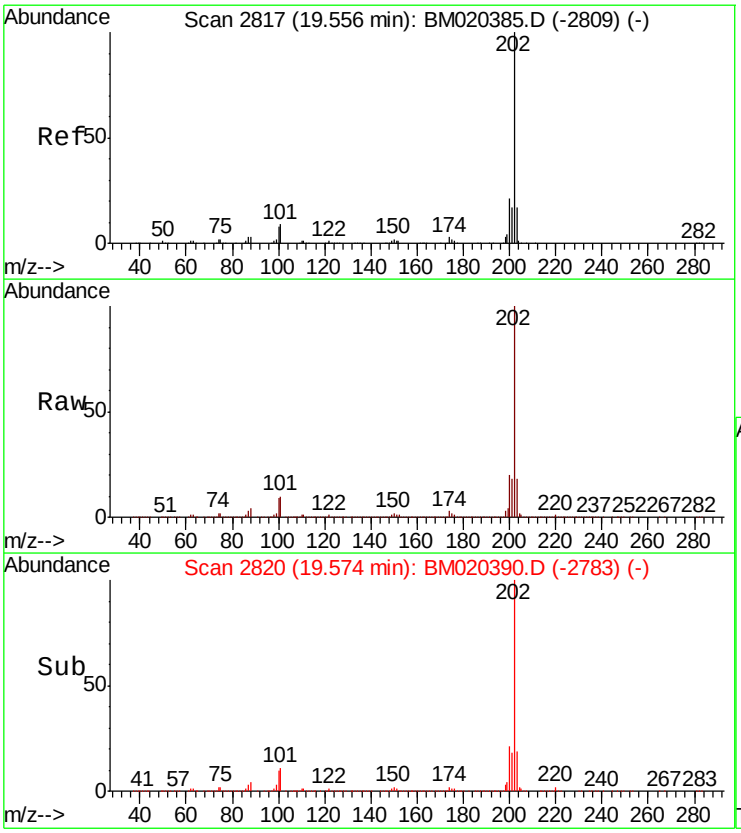
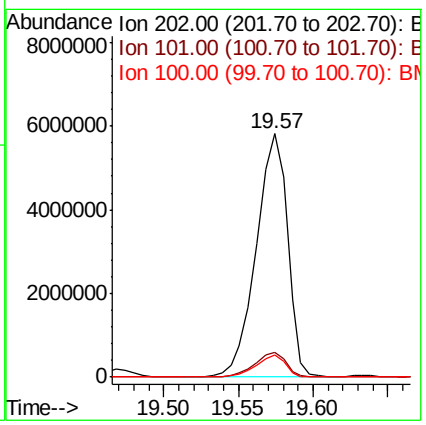
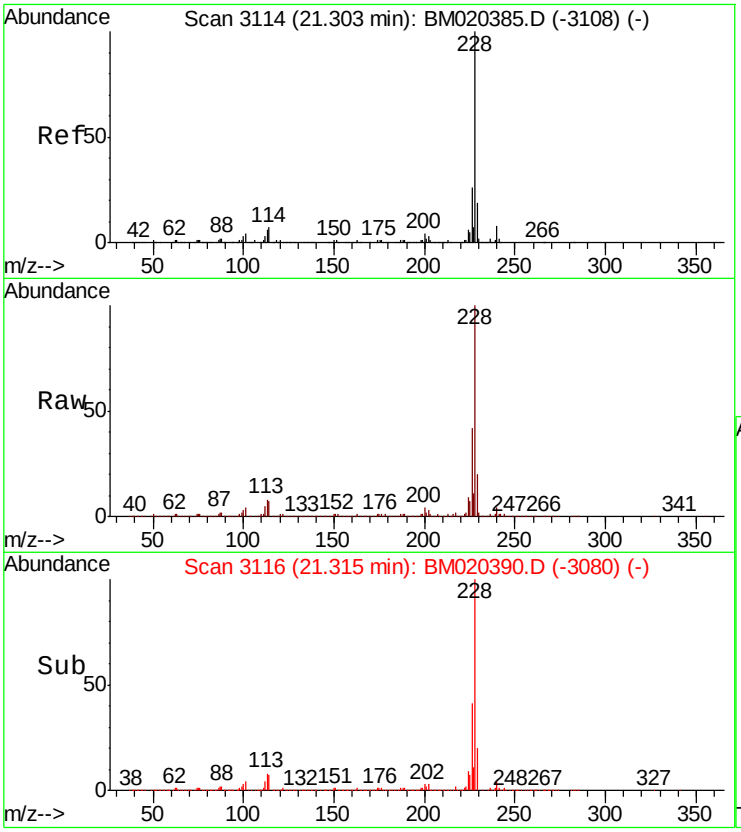


#79
Pyrene
Concen: 347.991 ng/ul
RT: 19.57 min Scan# 2820
Delta R.T. 0.02 min
Lab File: BM020390.D
Acq: 18 May 2019 07:34

Tgt Ion:202 Resp: 8399979

Ion	Ratio	Lower	Upper
202	100		
101	10.3	7.1	10.7
100	8.9	5.9	8.9

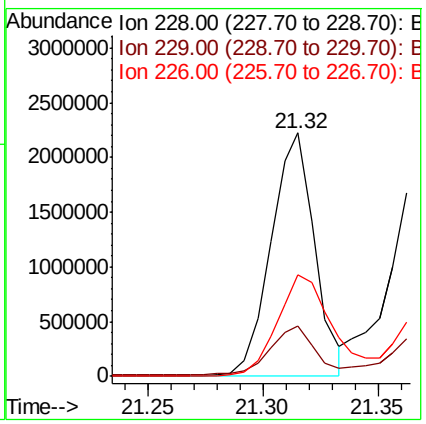




#82
Benzo(a)anthracene
Concen: 121.203 ng/ul m
RT: 21.32 min Scan# 3116
Delta R.T. 0.01 min
Lab File: BM020390.D
Acq: 18 May 2019 07:34

Tgt Ion:228 Resp: 2933734

Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.8	23.8
226	41.8	20.6	30.8#



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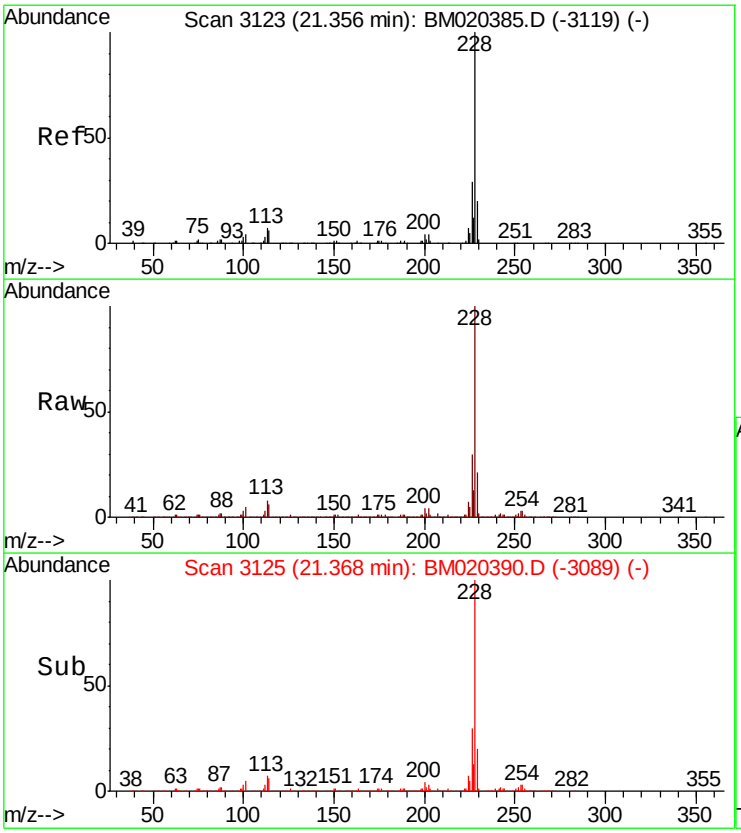
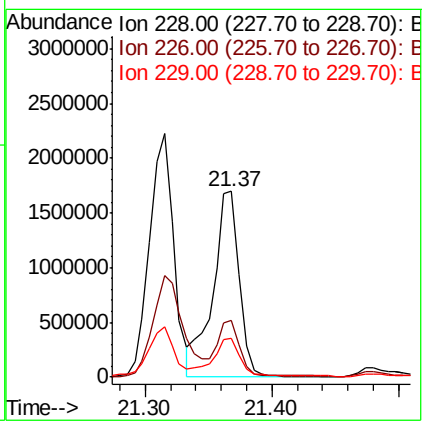
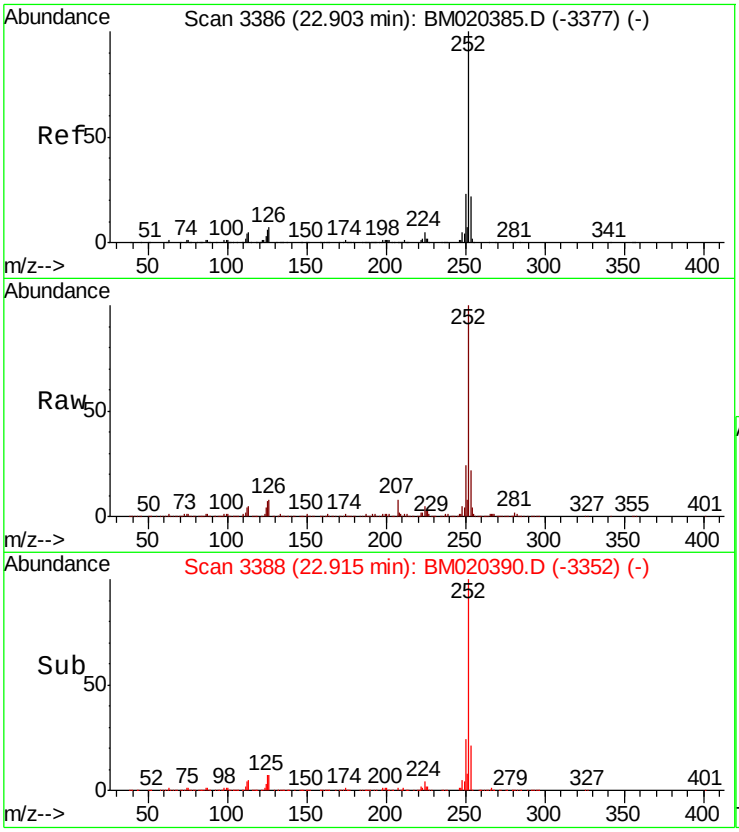


#84
Chrysene
Concen: 106.211 ng/ul
RT: 21.37 min Scan# 3125
Delta R.T. 0.01 min
Lab File: BM020390.D
Acq: 18 May 2019 07:34

Tgt Ion:228 Resp: 2456854

Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.2	33.4
229	20.9	15.4	23.2

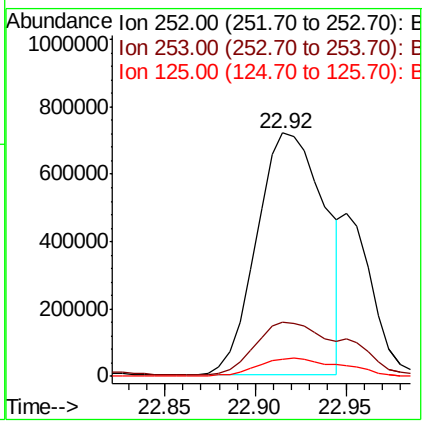




#87
Benzo(b)fluoranthene
Concen: 72.715 ng/ul
RT: 22.92 min Scan# 3388
Delta R.T. 0.01 min
Lab File: BM020390.D
Acq: 18 May 2019 07:34

Tgt Ion:252 Resp: 1883995

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	7.0	5.0	7.4



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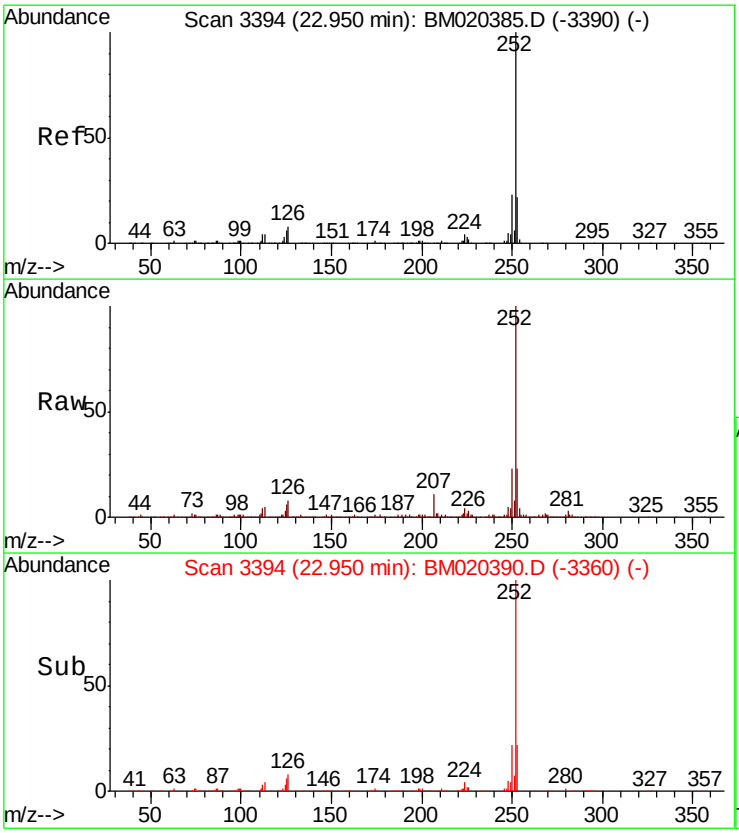
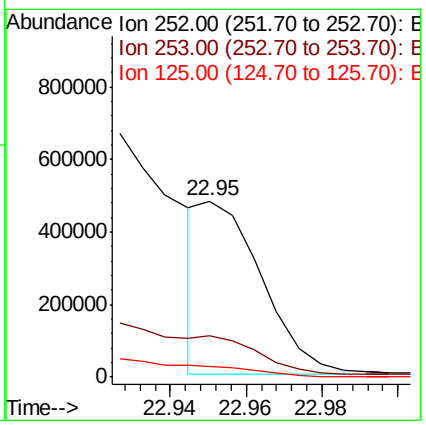
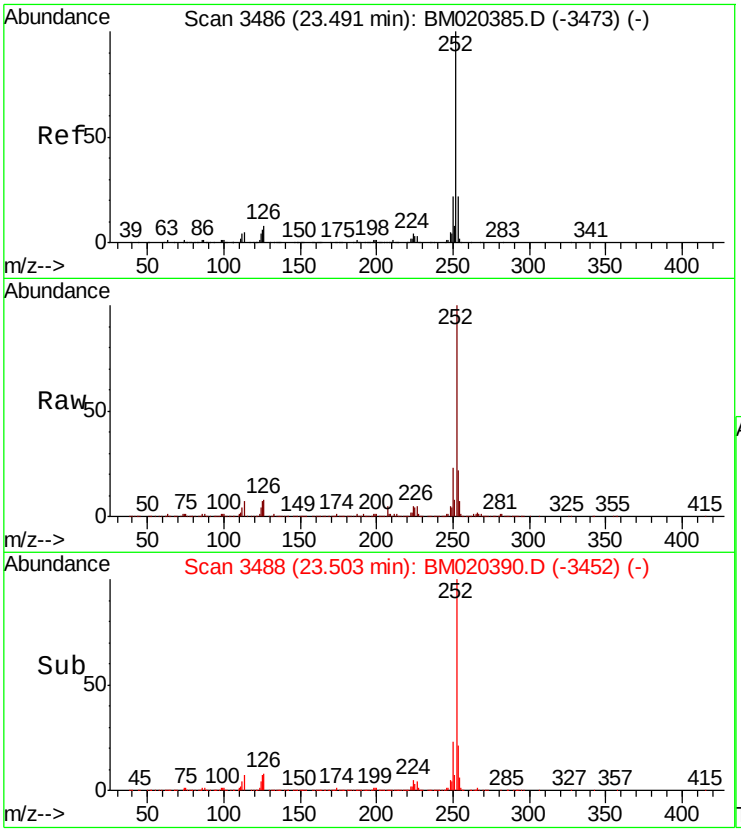


#88
Benzo(k)fluoranthene
Concen: 20.983 ng/ul m
RT: 22.95 min Scan# 3394
Delta R.T. 0.00 min
Lab File: BM020390.D
Acq: 18 May 2019 07:34

Tgt Ion:252 Resp: 533994

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	6.3	5.0	7.6

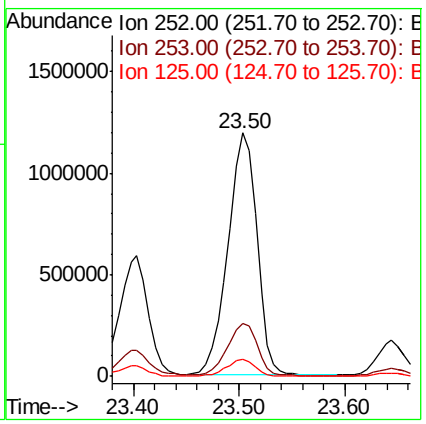




#90
Benzo(a)pyrene
Concen: 92.833 ng/ul
RT: 23.50 min Scan# 3488
Delta R.T. 0.01 min
Lab File: BM020390.D
Acq: 18 May 2019 07:34

Tgt Ion:252 Resp: 2263561

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	6.9	5.4	8.2



Instrument :
BNA_M
ClientSampleId :
GAJ91

Manual Integrations APPROVED
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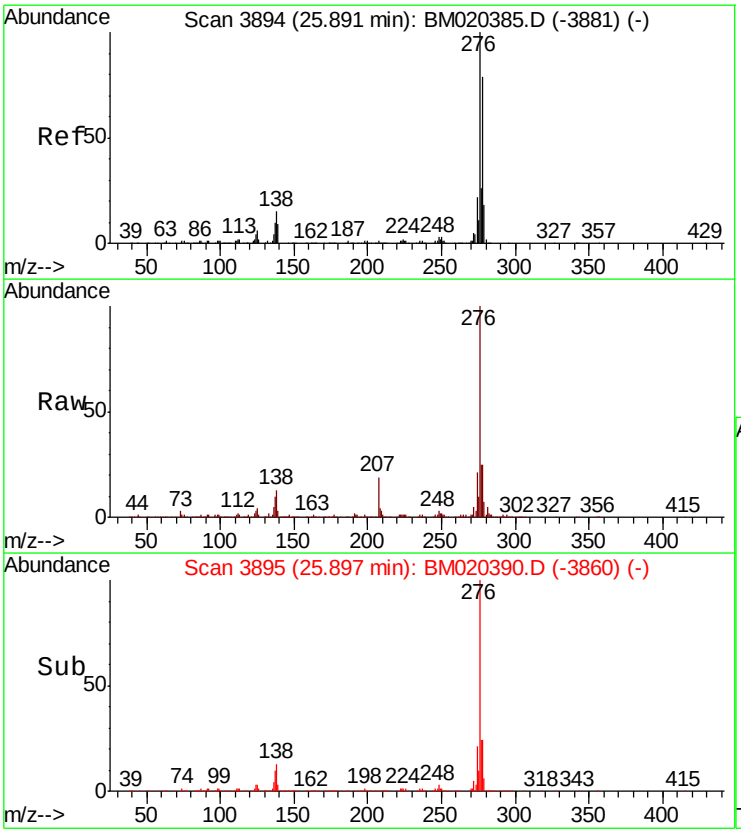
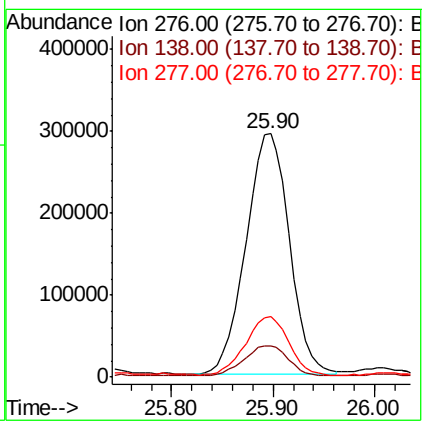
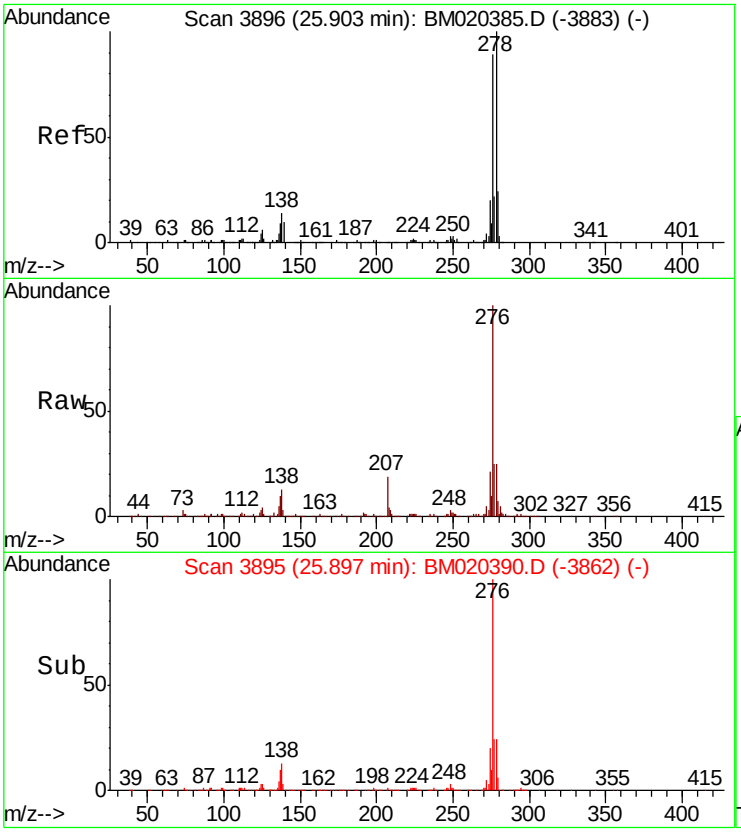


#91
Indeno(1,2,3-cd)pyrene
Concen: 31.522 ng/ul
RT: 25.90 min Scan# 3895
Delta R.T. 0.01 min
Lab File: BM020390.D
Acq: 18 May 2019 07:34

Tgt Ion:276 Resp: 875793

Ion	Ratio	Lower	Upper
276	100		
138	12.9	12.3	18.5
277	24.8	20.0	30.0

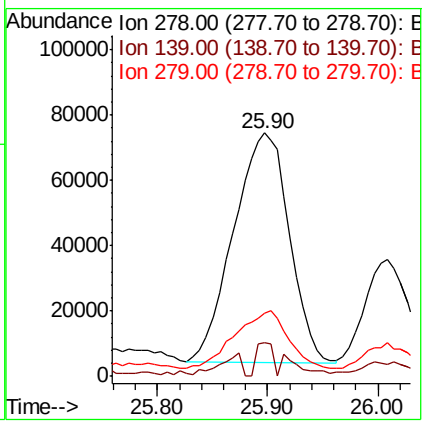




#92
Dibenzo(a,h)anthracene
Concen: 10.417 ng/ul
RT: 25.90 min Scan# 3895
Delta R.T. -0.01 min
Lab File: BM020390.D
Acq: 18 May 2019 07:34

Tgt Ion:278 Resp: 247492

Ion	Ratio	Lower	Upper
278	100		
139	13.8	8.1	12.1#
279	26.1	18.7	28.1



Instrument :
BNA_M
ClientSampleId :
GAJ91

Manual Integrations APPROVED
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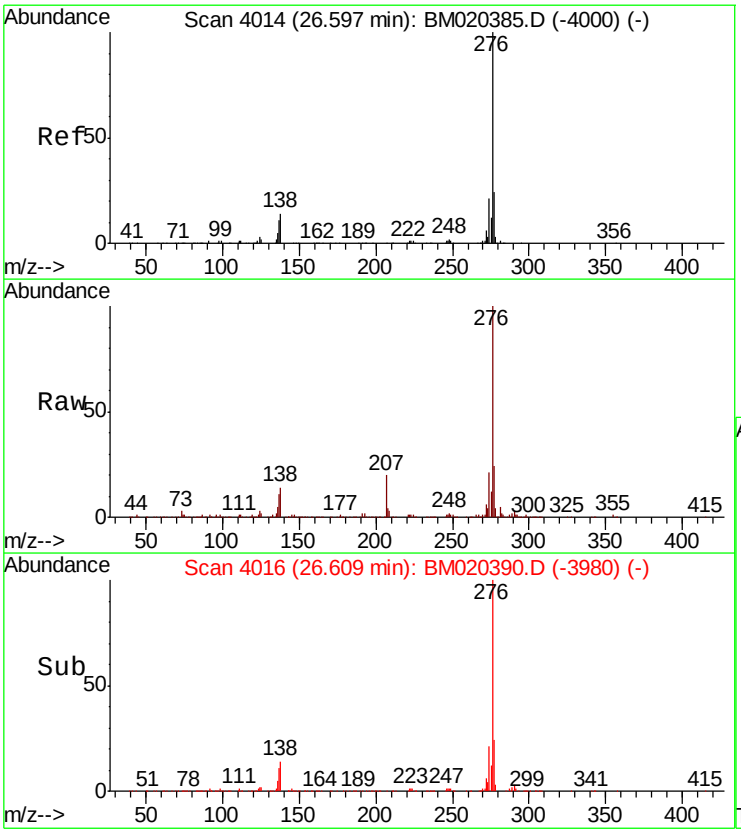

#93
Benzo(g,h,i)perylene
Concen: 39.998 ng/ul
RT: 26.61 min Scan# 4016
Delta R.T. 0.01 min
Lab File: BM020390.D
Acq: 18 May 2019 07:34

Tgt Ion:276 Resp: 919911

Ion	Ratio	Lower	Upper
276	100		
138	13.8	10.0	15.0
277	23.9	18.2	27.4