Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
Operator : JU/SJ
Sample : K2633-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ96

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Quant Time: May 20 10:45:52 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	7.74	152	129635	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	464532	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.40	164	345337	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.17	188	480842	20.00	ng/ul	0.04
77) Chrysene-d12	21.35	240	503869	20.00	ng/ul	0.03
85) Perylene-d12	23.63	264	613900m	20.00	ng/ul	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.23	96	12359	3.52	ng/uL	0.00
5) Phenol-d5	6.91	99	231169	22.35	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.08	67	158895	24.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	182440	24.05	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	98655	13.10	ng/ul	0.01
19) Nitrobenzene-d5	8.91	128	89062	29.47	ng/ul	0.01
22) 2-Nitrophenol-d4	9.63	143	99282	29.78	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.16	165	185077	26.26	ng/ul	0.01
29) 4-Chloroaniline-d4	10.69	131	44442	6.10	ng/ul	0.02
43) Dimethylphthalate-d6	13.82	166	543073	21.86	ng/ul	0.03
46) Acenaphthylene-d8	14.11	160	636376	20.48	ng/ul	0.04
51) 4-Nitrophenol-d4	14.63	143	68262	18.92	ng/ul	0.04
57) Fluorene-d10	15.40	176	432516	19.57	ng/ul	0.03
62) 4,6-Dinitro-2-methylphenol	15.58	200	25472m	9.30	ng/ul	0.07
70) Anthracene-d10	17.27	188	574285	27.85	ng/ul	0.04
78) Pyrene-d10	19.56	212	663180	27.32	ng/ul	0.04
89) Benzo(a)pyrene-d12	23.49	264	738060m	26.46	ng/ul	0.04
Target Compounds						Qvalue
6) Phenol	6.93	94	20945	1.925	ng/ul	99
28) Naphthalene	10.59	128	1324861	62.076	ng/ul	99
34) 2-Methylnaphthalene	12.25	142	22800336	1475.467	ng/ul	90
40) 1,1'-Biphenyl	13.23	154	4701523	190.170	ng/ul	100
44) Dimethylphthalate	13.87	163	149467	6.081	ng/ul	99
47) Acenaphthylene	14.15	152	13210409	450.753	ng/ul#	94
49) Acenaphthene	14.47	153	1537169	76.294	ng/ul	96
53) Dibenzofuran	14.80	168	1779640	58.328	ng/ul	96
58) Fluorene	15.48	166	8580311	351.047	ng/ul#	95
69) Phenanthrene	17.22	178	29835438m	1302.238	ng/ul	
71) Anthracene	17.30	178	3175124	136.240	ng/ul	99
74) Carbazole	17.57	167	63066	3.188	ng/ul#	71
76) Fluoranthene	19.23	202	8108459	280.172	ng/ul	98
79) Pyrene	19.60	202	12449329m	411.640	ng/ul	
82) Benzo(a)anthracene	21.33	228	4516968m	148.943	ng/ul	
84) Chrysene	21.39	228	4153736	143.322	ng/ul	96
87) Benzo(b)fluoranthene	22.95	252	2345795m	66.952	ng/ul	
88) Benzo(k)fluoranthene	22.97	252	810591m	23.554	ng/ul	
90) Benzo(a)pyrene	23.54	252	1442304m	43.742	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.96	276	935659m	24.904	ng/ul	
92) Dibenzo(a,h)anthracene	25.96	278	421390m	13.115	ng/ul	
93) Benzo(g,h,i)perylene	26.69	276	704713m	22.659	ng/ul	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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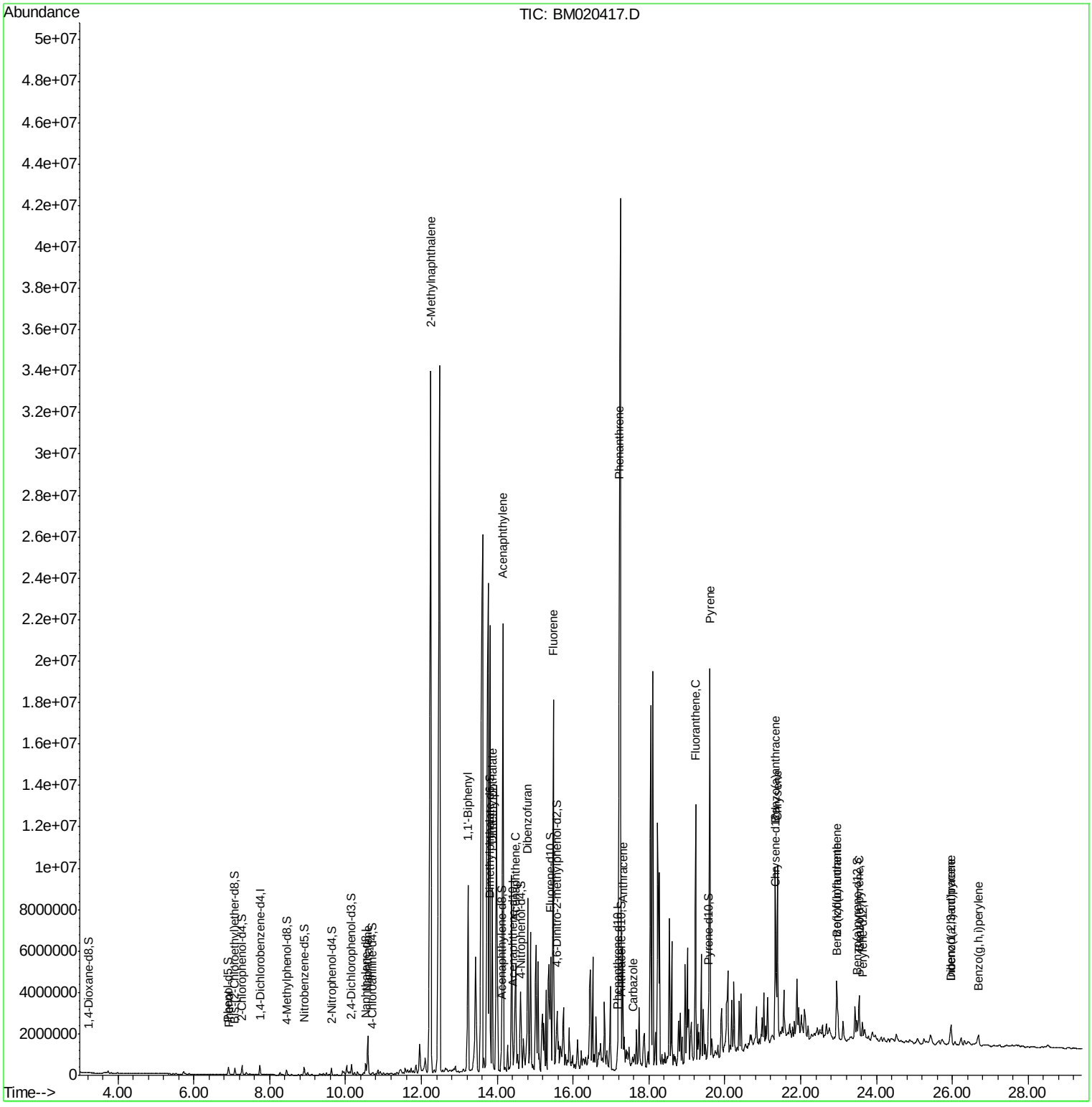
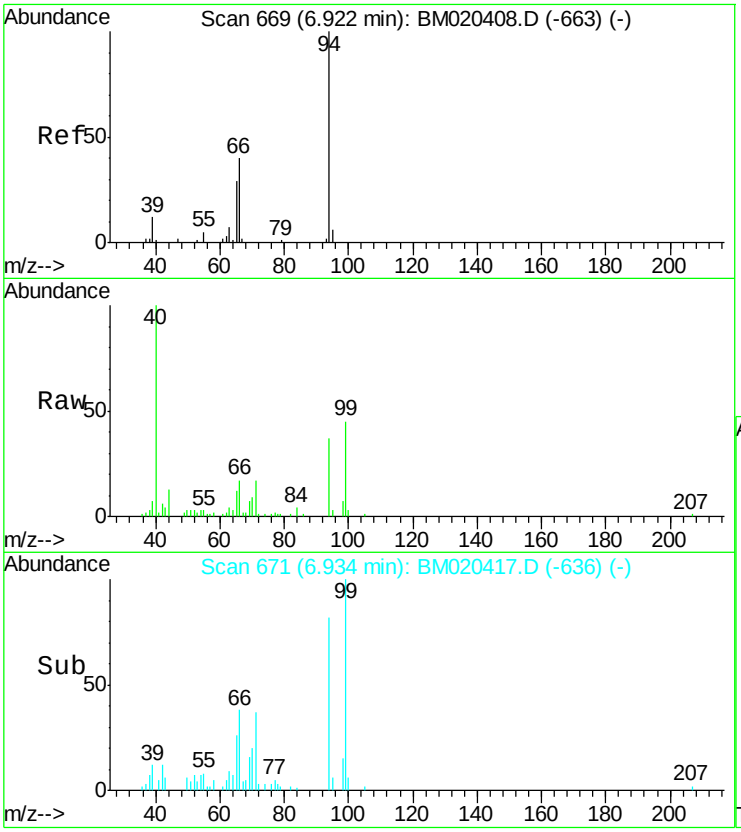
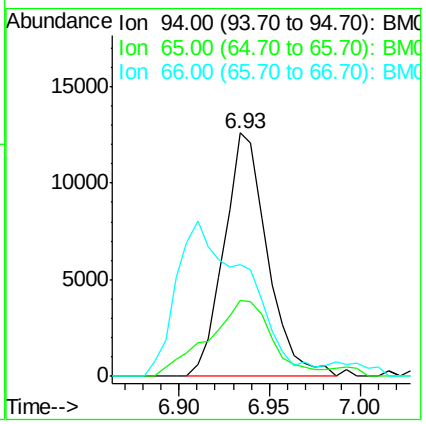




#6
Phenol
Concen: 1.925 ng/ul
RT: 6.93 min Scan# 671
Delta R.T. 0.01 min
Lab File: BM020417.D
Acq: 19 May 2019 02:17

Tgt Ion: 94 Resp: 20945

Ion	Ratio	Lower	Upper
94	100		
65	31.4	25.4	38.0
66	46.1	36.5	54.7



Instrument :
BNA_M
ClientSampleId :
GAJ96

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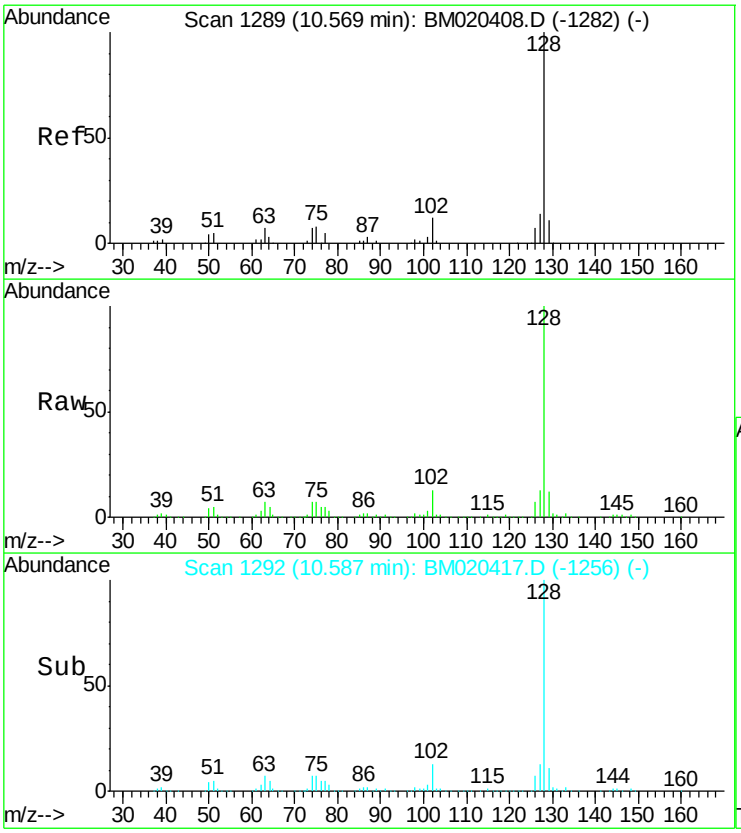
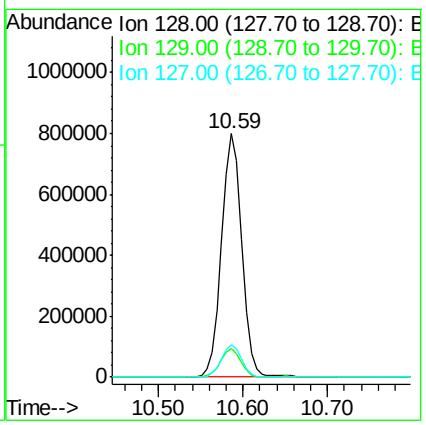
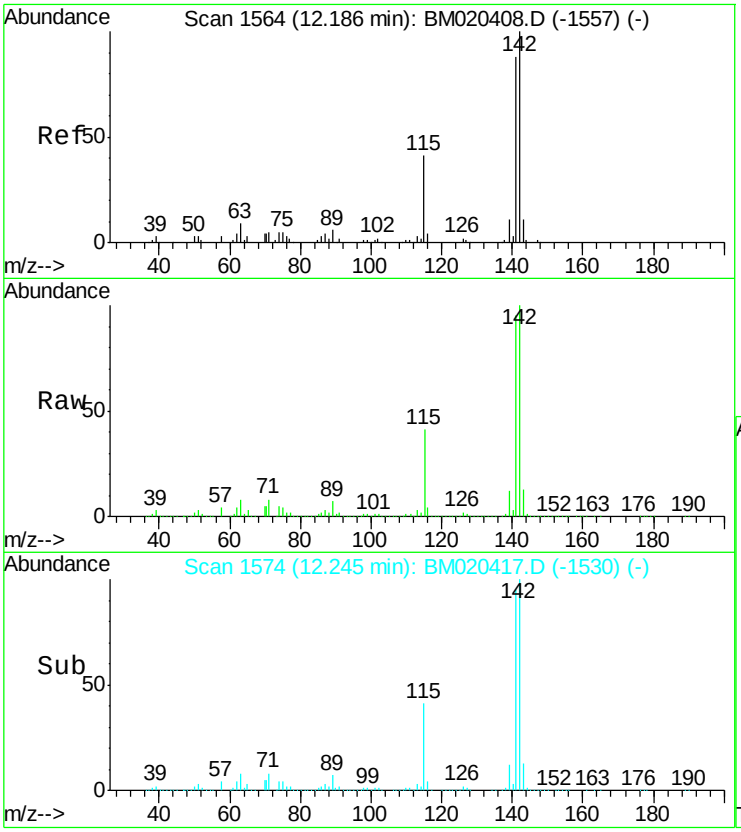


#28
Naphthalene
Concen: 62.076 ng/ul
RT: 10.59 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BM020417.D
Acq: 19 May 2019 02:17

Tgt Ion:128 Resp: 1324861

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.6	13.0
127	13.2	10.6	15.8

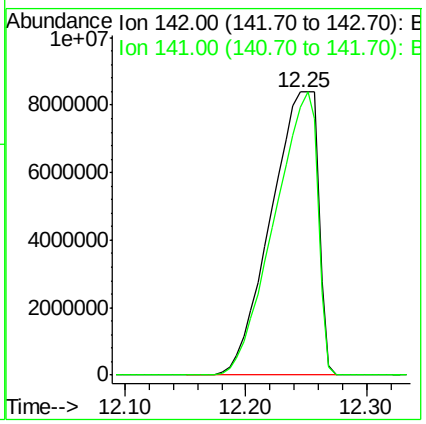




#34
2-Methylnaphthalene
Concen: 1475.467 ng/ul
RT: 12.25 min Scan# 1574
Delta R.T. 0.06 min
Lab File: BM020417.D
Acq: 19 May 2019 02:17

Tgt Ion:142 Resp:22800336

Ion	Ratio	Lower	Upper
142	100		
141	94.9	68.6	102.8



Instrument :
BNA_M
ClientSampleId :
GAJ96

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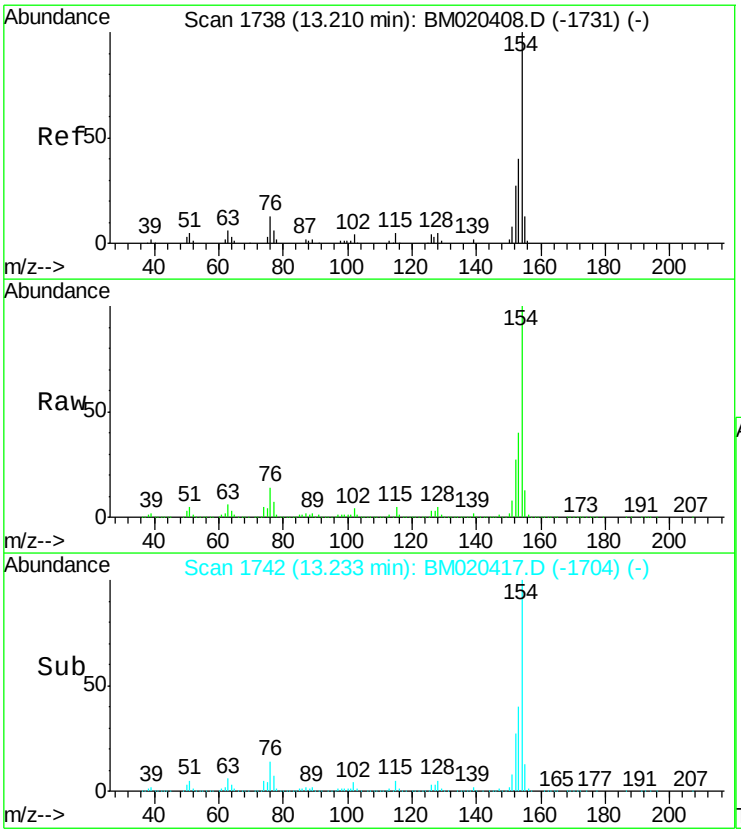
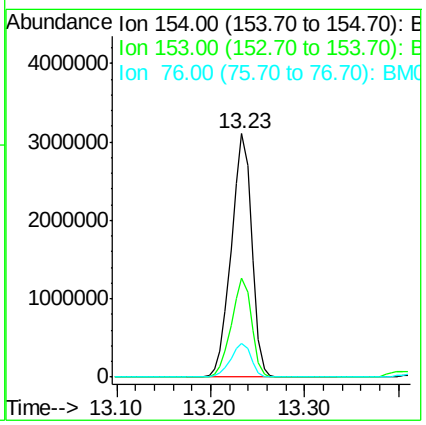
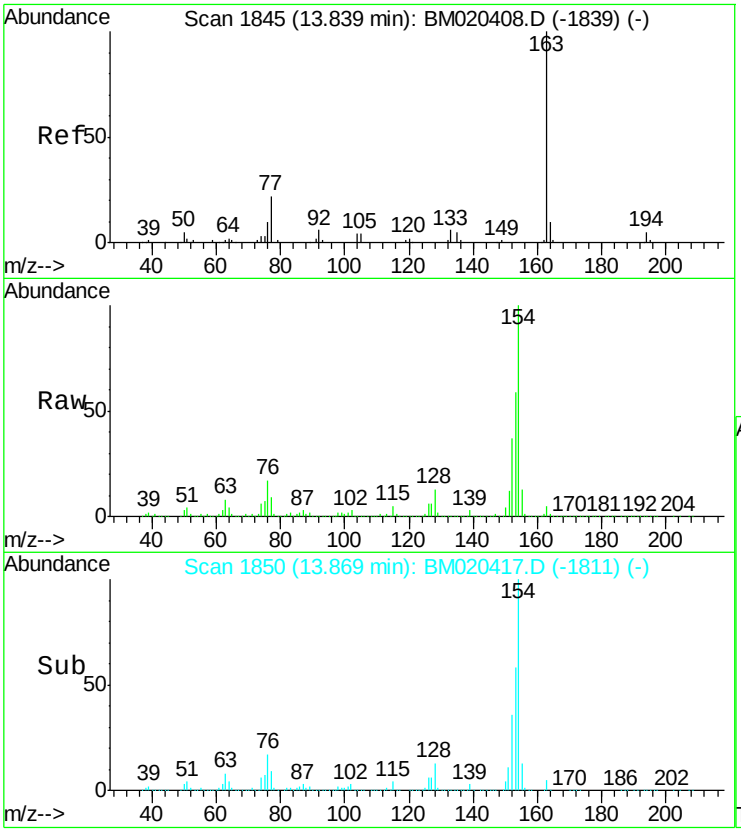


#40
1,1'-Biphenyl
Concen: 190.170 ng/ul
RT: 13.23 min Scan# 1742
Delta R.T. 0.02 min
Lab File: BM020417.D
Acq: 19 May 2019 02:17

Tgt Ion:154 Resp: 4701523

Ion	Ratio	Lower	Upper
154	100		
153	40.4	32.2	48.4
76	13.9	11.0	16.4

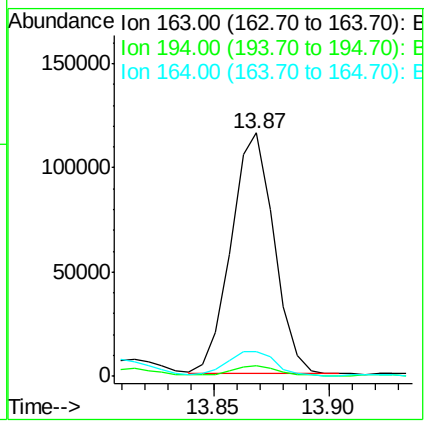




#44
Dimethylphthalate
Concen: 6.081 ng/ul
RT: 13.87 min Scan# 1850
Delta R.T. 0.03 min
Lab File: BM020417.D
Acq: 19 May 2019 02:17

Tgt Ion:163 Resp: 149467

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.3	4.9
164	10.4	8.0	12.0



Instrument :
BNA_M
ClientSampleId :
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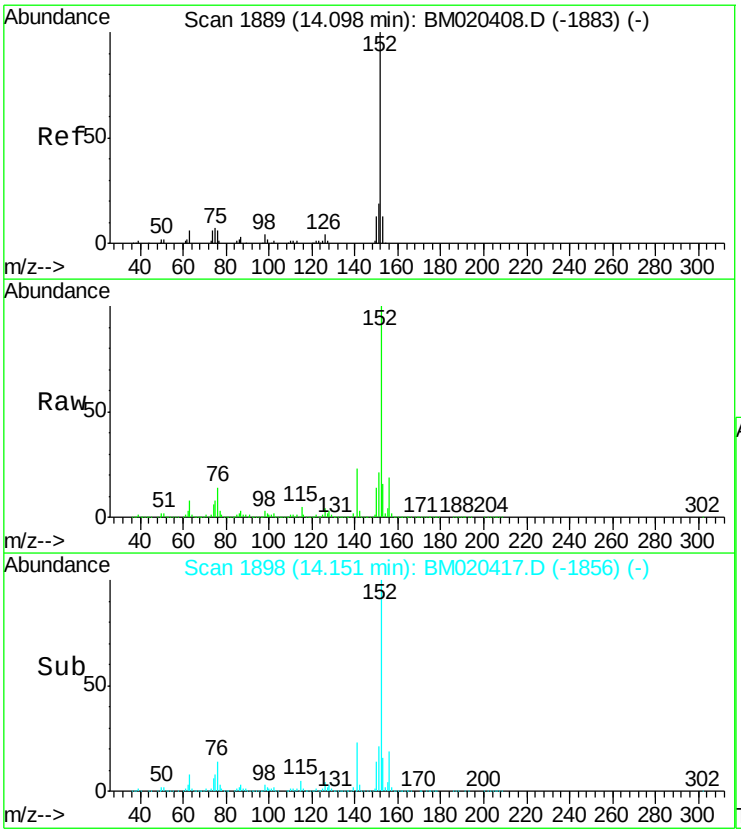
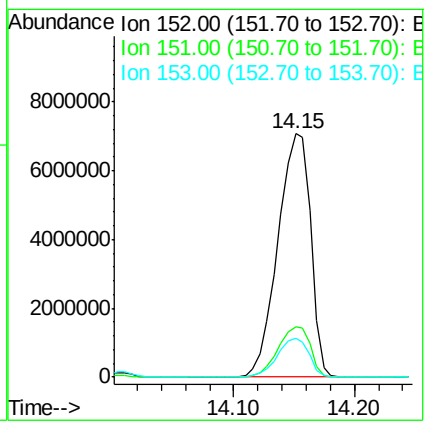
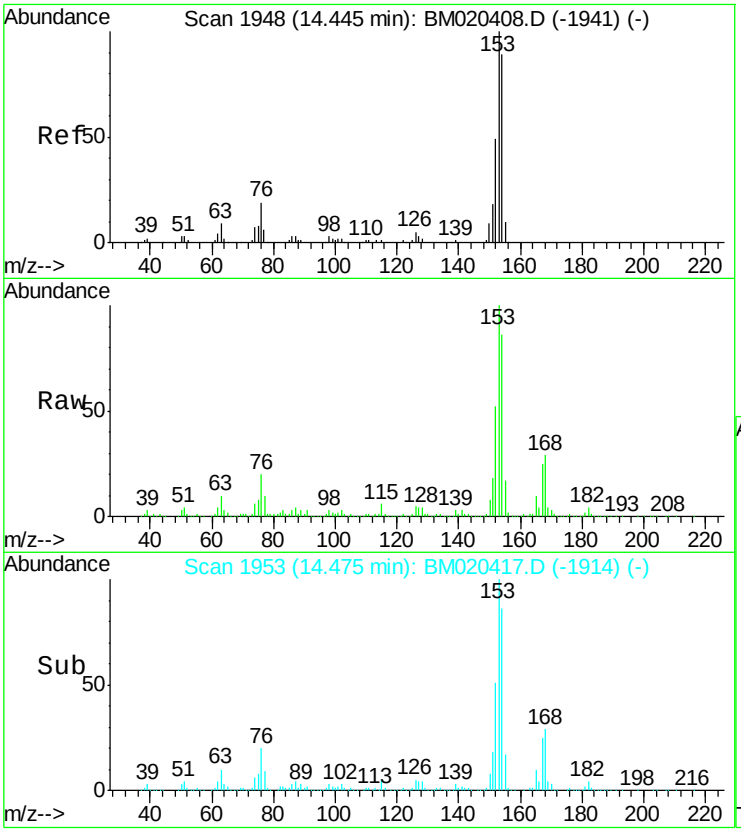


#47
Acenaphthylene
Concen: 450.753 ng/ul
RT: 14.15 min Scan# 1898
Delta R.T. 0.05 min
Lab File: BM020417.D
Acq: 19 May 2019 02:17

Tgt Ion:152 Resp:13210409

Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.4	23.0
153	16.1	10.3	15.5#

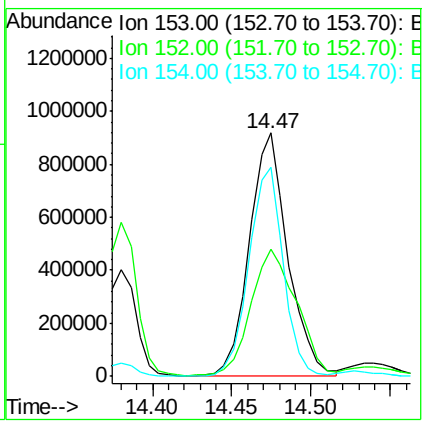




#49
Acenaphthene
Concen: 76.294 ng/ul
RT: 14.47 min Scan# 1953
Delta R.T. 0.03 min
Lab File: BM020417.D
Acq: 19 May 2019 02:17

Tgt Ion:153 Resp: 1537169

Ion	Ratio	Lower	Upper
153	100		
152	52.0	37.9	56.9
154	86.1	71.2	106.8



Instrument :
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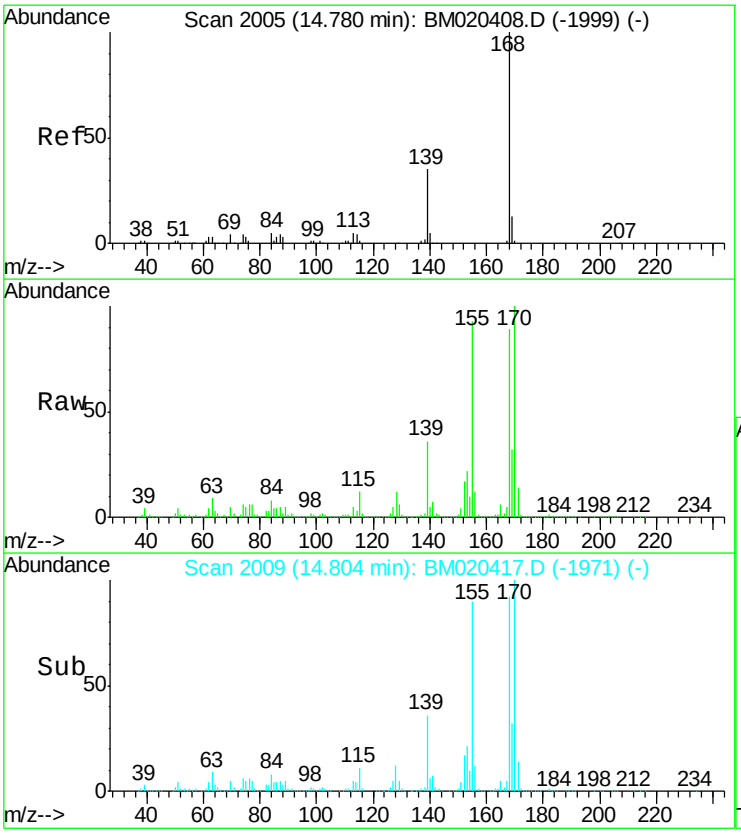
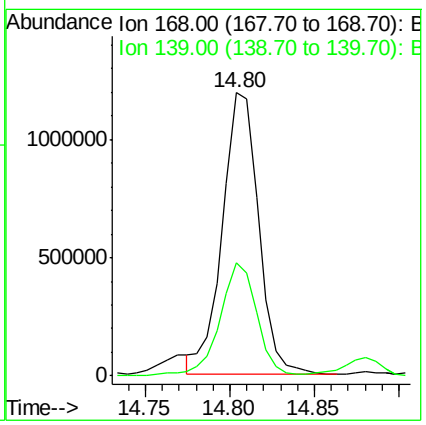
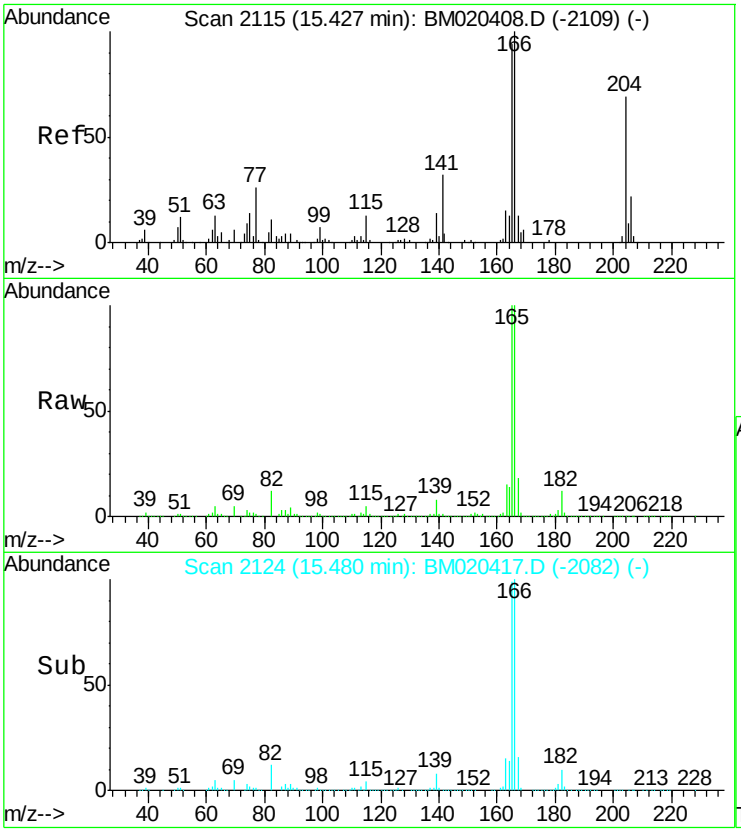


#53
Dibenzofuran
Concen: 58.328 ng/ul
RT: 14.80 min Scan# 2009
Delta R.T. 0.02 min
Lab File: BM020417.D
Acq: 19 May 2019 02:17

Tgt Ion:168 Resp: 1779640

Ion	Ratio	Lower	Upper
168	100		
139	39.9	30.1	45.1

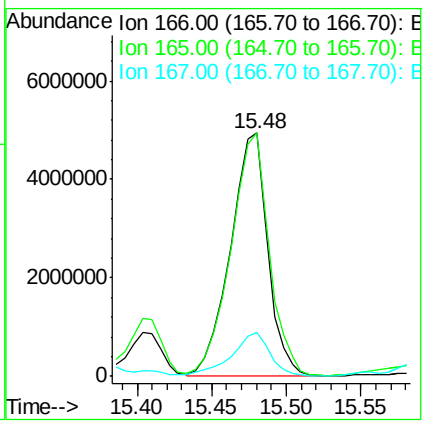




#58
Fluorene
Concen: 351.047 ng/ul
RT: 15.48 min Scan# 2124
Delta R.T. 0.05 min
Lab File: BM020417.D
Acq: 19 May 2019 02:17

Tgt Ion:166 Resp: 8580311

Ion	Ratio	Lower	Upper
166	100		
165	100.0	77.1	115.7
167	18.1	11.1	16.7#



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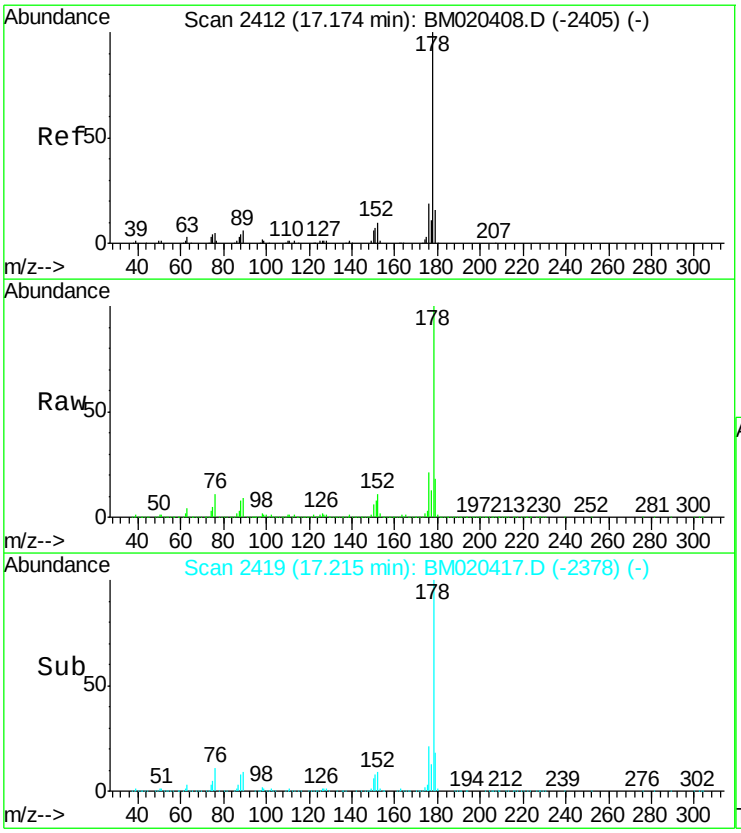
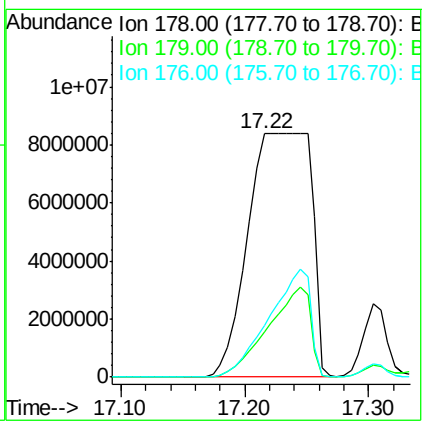
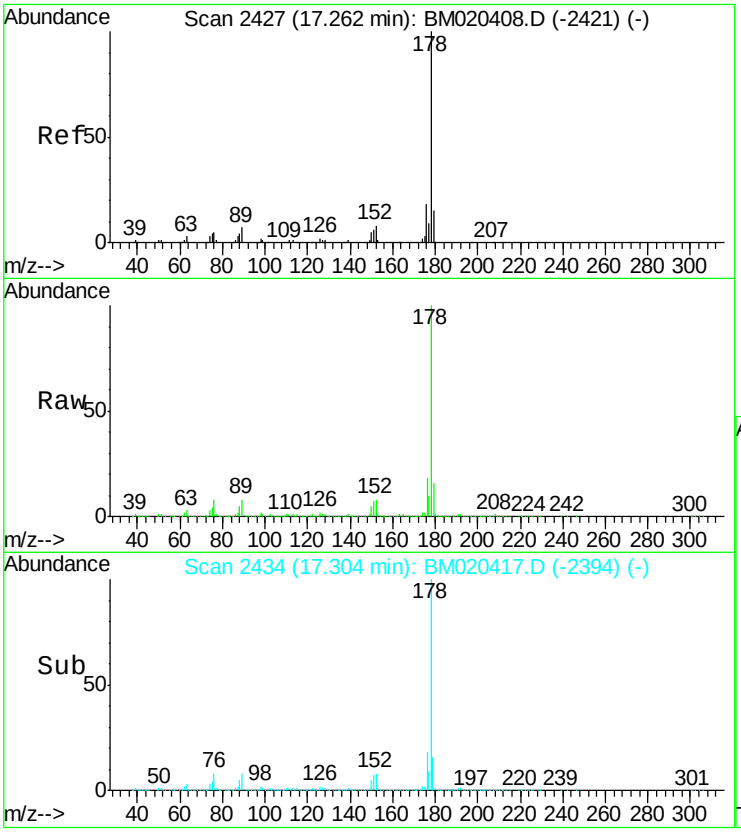


#69
Phenanthrene
Concen: 1302.238 ng/ul m
RT: 17.22 min Scan# 2419
Delta R.T. 0.04 min
Lab File: BM020417.D
Acq: 19 May 2019 02:17

Tgt Ion:178 Resp:29835438

Ion	Ratio	Lower	Upper
178	100		
179	18.3	11.9	17.9#
176	21.1	14.6	22.0

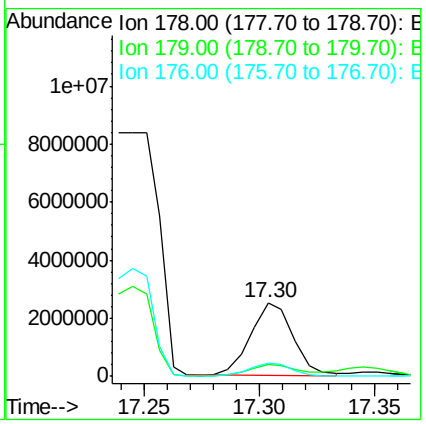




#71
Anthracene
Concen: 136.240 ng/ul
RT: 17.30 min Scan# 2434
Delta R.T. 0.04 min
Lab File: BM020417.D
Acq: 19 May 2019 02:17

Tgt Ion:178 Resp: 3175124

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.4	18.6
176	17.8	14.4	21.6



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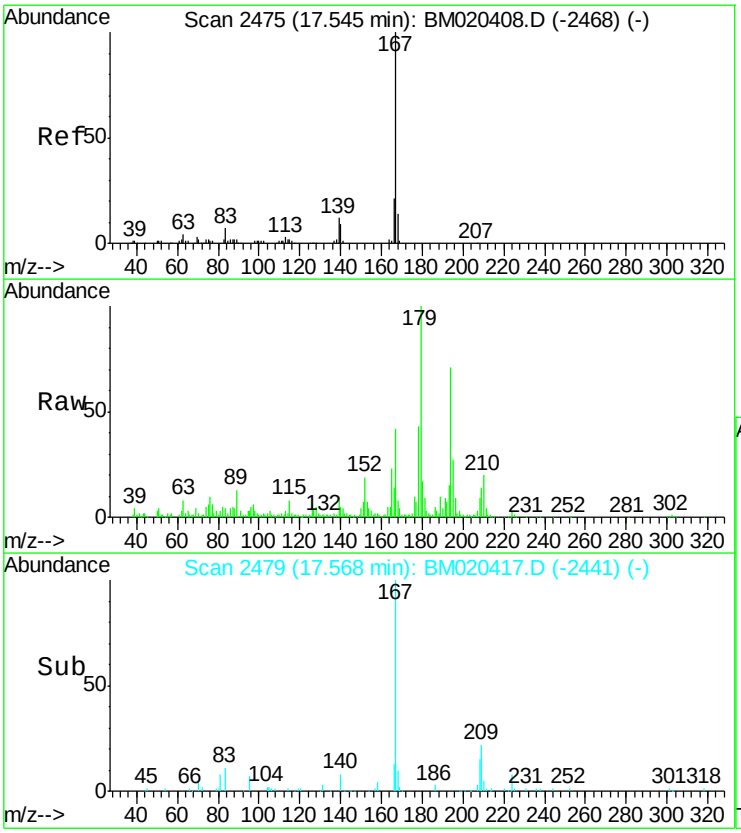
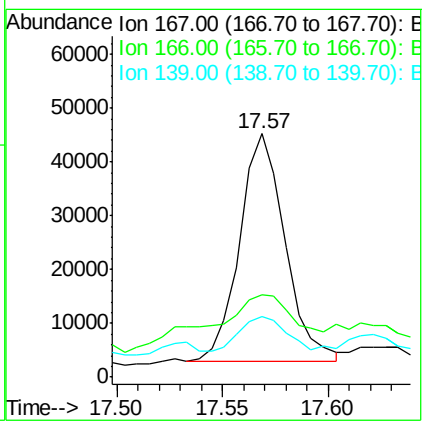
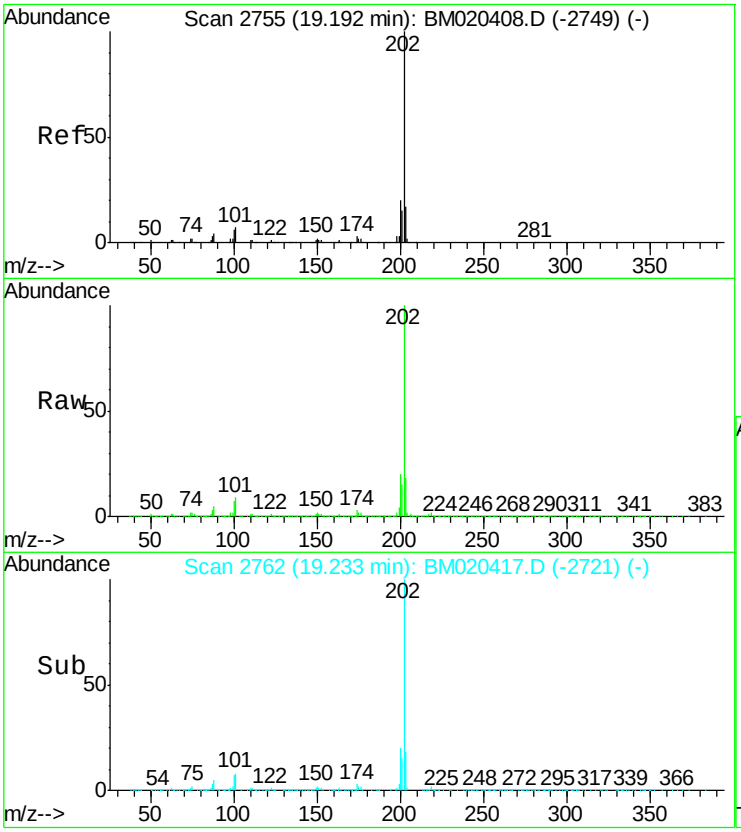


#74
Carbazole
Concen: 3.188 ng/ul
RT: 17.57 min Scan# 2479
Delta R.T. 0.02 min
Lab File: BM020417.D
Acq: 19 May 2019 02:17

Tgt Ion:167 Resp: 63066

Ion	Ratio	Lower	Upper
167	100		
166	33.8	16.6	24.8#
139	24.7	9.8	14.8#

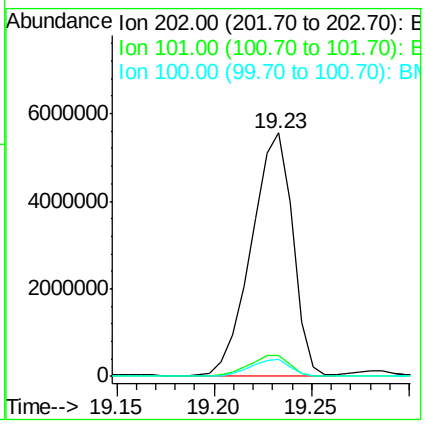




#76
Fluoranthene
Concen: 280.172 ng/ul
RT: 19.23 min Scan# 2762
Delta R.T. 0.04 min
Lab File: BM020417.D
Acq: 19 May 2019 02:17

Tgt Ion:202 Resp: 8108459

Ion	Ratio	Lower	Upper
202	100		
101	8.7	6.4	9.6
100	6.9	5.2	7.8



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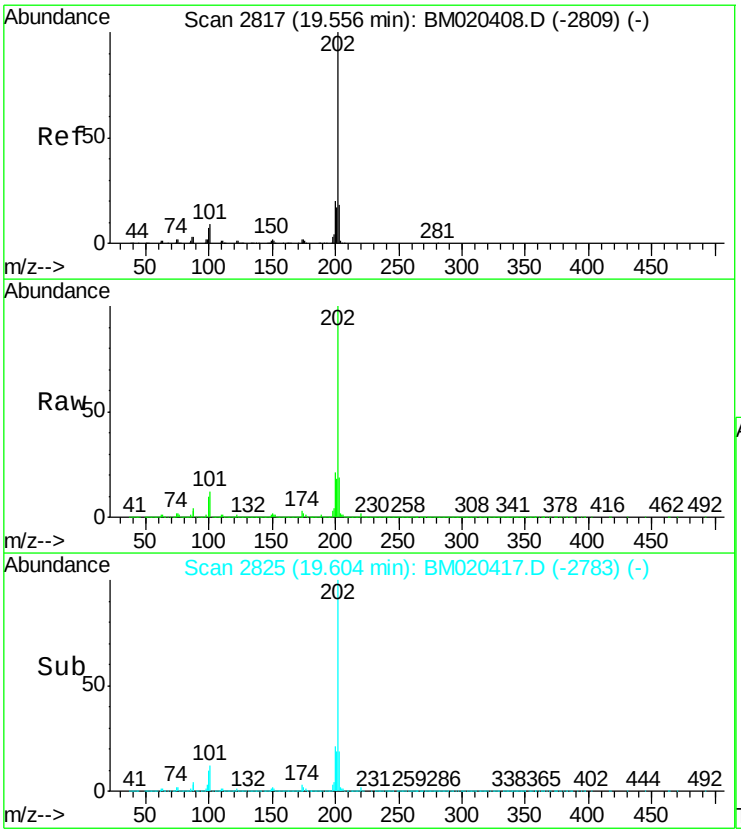
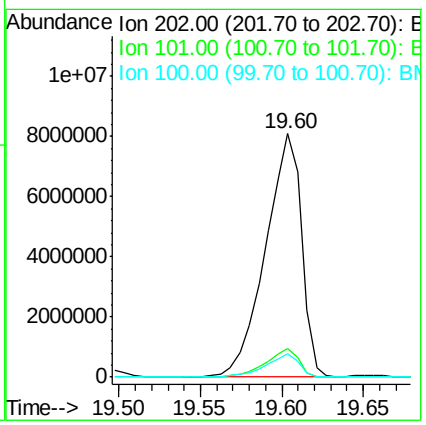
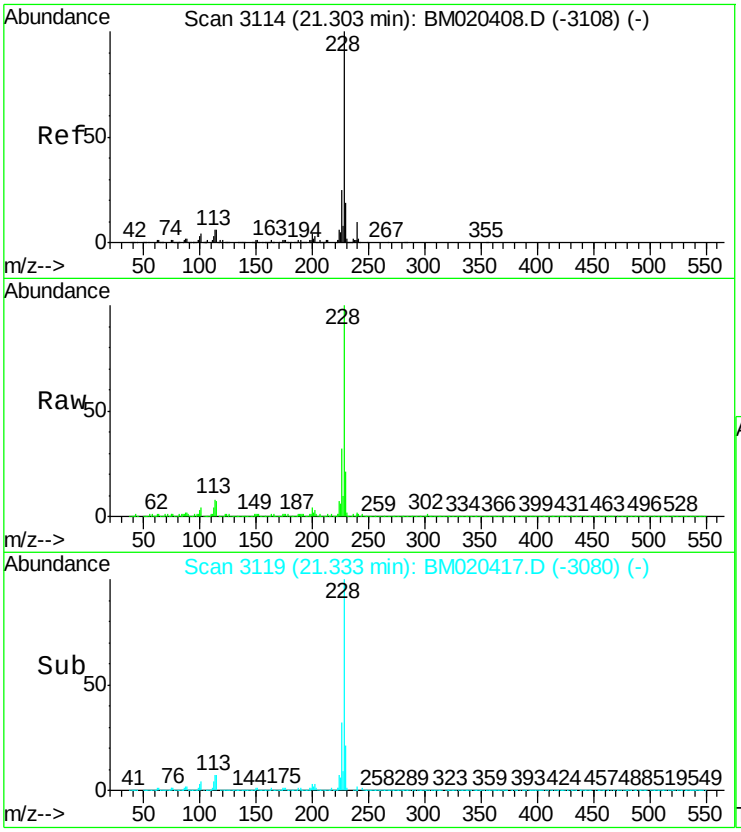


#79
Pyrene
Concen: 411.640 ng/ul m
RT: 19.60 min Scan# 2825
Delta R.T. 0.05 min
Lab File: BM020417.D
Acq: 19 May 2019 02:17

Tgt Ion:202 Resp:12449329

Ion	Ratio	Lower	Upper
202	100		
101	11.5	7.1	10.7#
100	9.8	5.9	8.9#

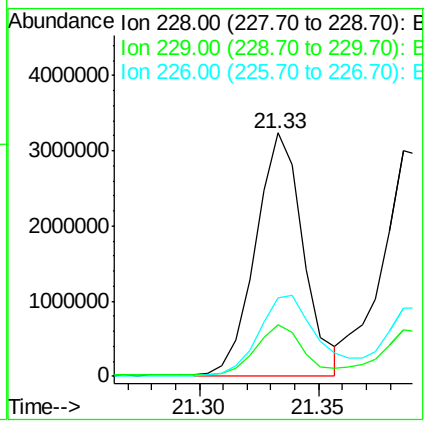




#82
Benzo(a)anthracene
Concen: 148.943 ng/ul m
RT: 21.33 min Scan# 3119
Delta R.T. 0.03 min
Lab File: BM020417.D
Acq: 19 May 2019 02:17

Tgt Ion:228 Resp: 4516968

Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.8	23.8
226	32.4	20.6	30.8#



Instrument :
BNA_M
ClientSampleId :
GAJ96

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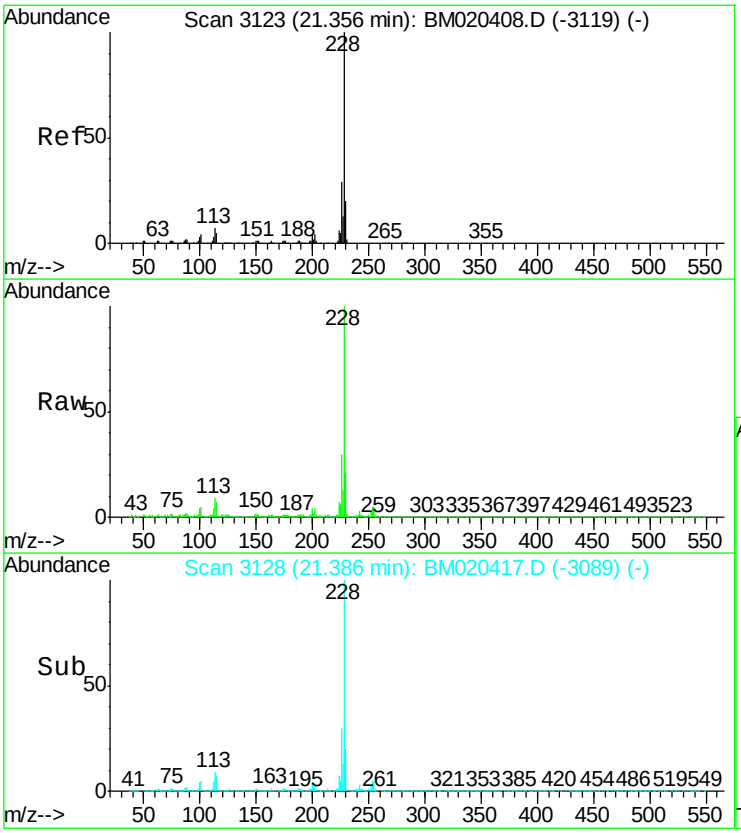
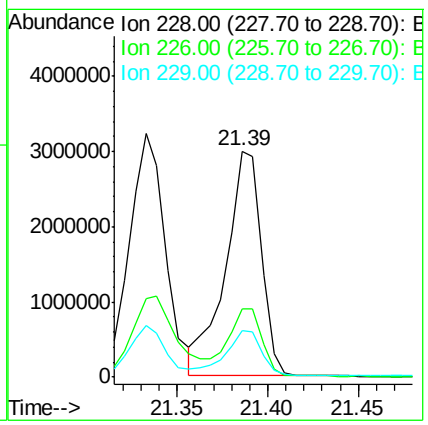
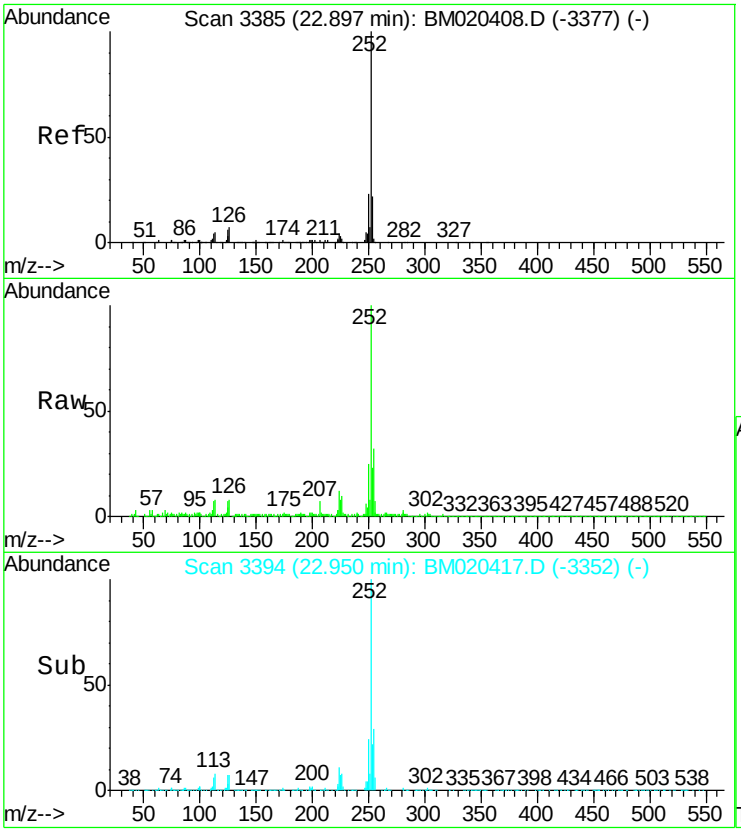


#84
Chrysene
Concen: 143.322 ng/ul
RT: 21.39 min Scan# 3128
Delta R.T. 0.03 min
Lab File: BM020417.D
Acq: 19 May 2019 02:17

Tgt Ion:228 Resp: 4153736

Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.2	33.4
229	20.6	15.4	23.2





#87
Benzo(b)fluoranthene
Concen: 66.952 ng/ul m
RT: 22.95 min Scan# 3394
Delta R.T. 0.05 min
Lab File: BM020417.D
Acq: 19 May 2019 02:17

Tgt Ion:252 Resp: 2345795

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	7.5	5.0	7.4#

Instrument :
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ClientSampleId :
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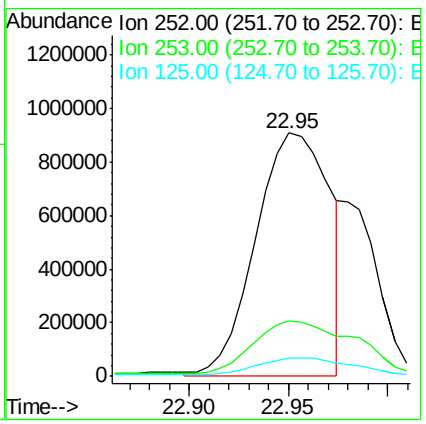
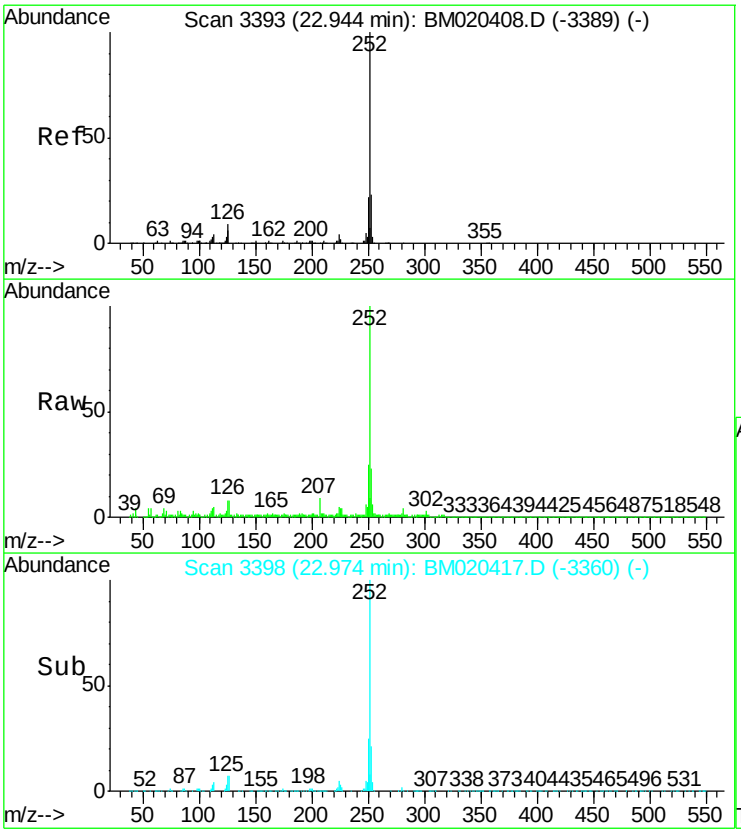
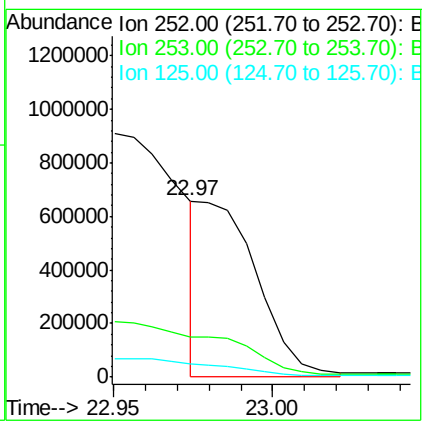


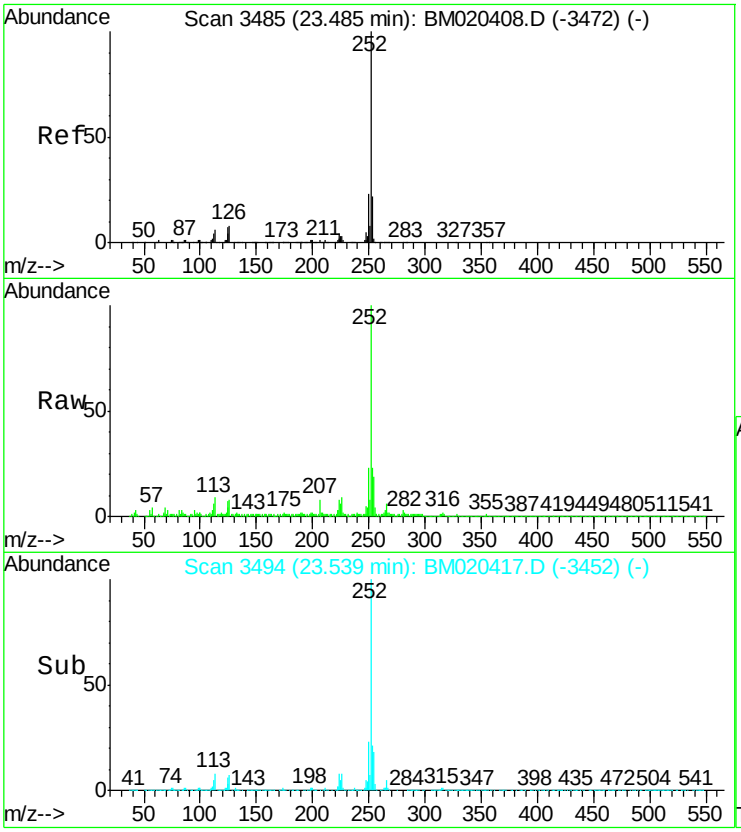


#88
Benzo(k)fluoranthene
Concen: 23.554 ng/ul m
RT: 22.97 min Scan# 3398
Delta R.T. 0.02 min
Lab File: BM020417.D
Acq: 19 May 2019 02:17

Tgt Ion:252 Resp: 810591

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	7.6	5.0	7.6#

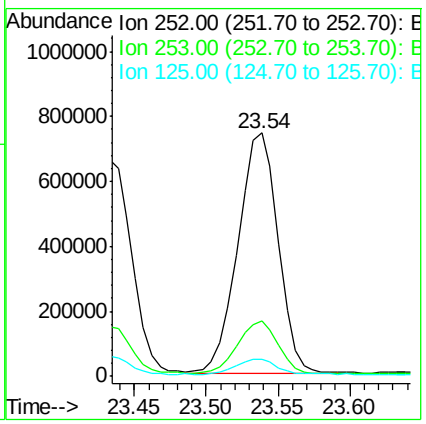




#90
Benzo(a)pyrene
Concen: 43.742 ng/ul m
RT: 23.54 min Scan# 3494
Delta R.T. 0.05 min
Lab File: BM020417.D
Acq: 19 May 2019 02:17

Tgt Ion:252 Resp: 1442304

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	7.0	5.4	8.2



Instrument :
BNA_M
ClientSampleId :
GAJ96

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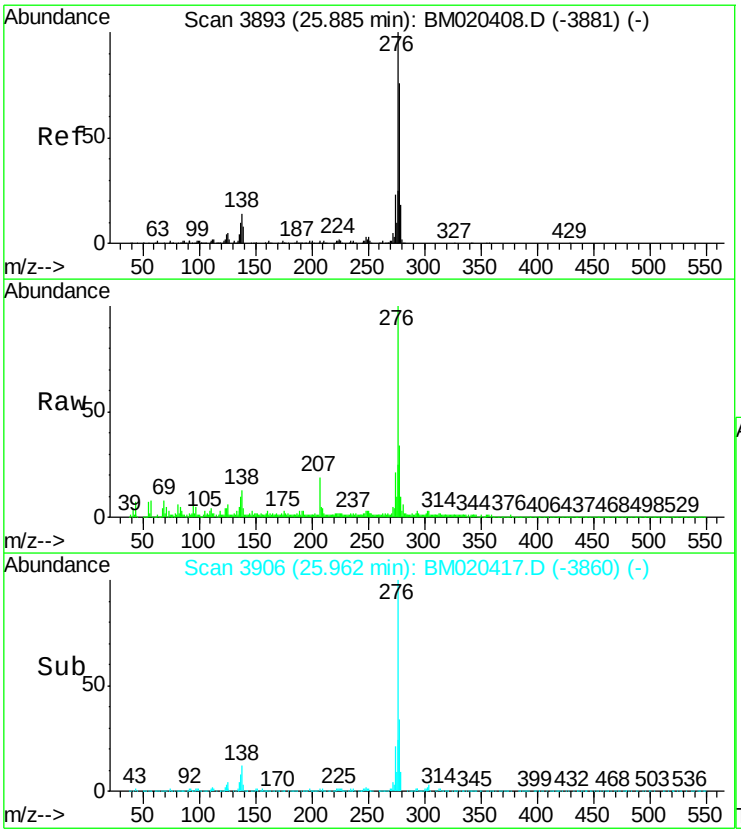
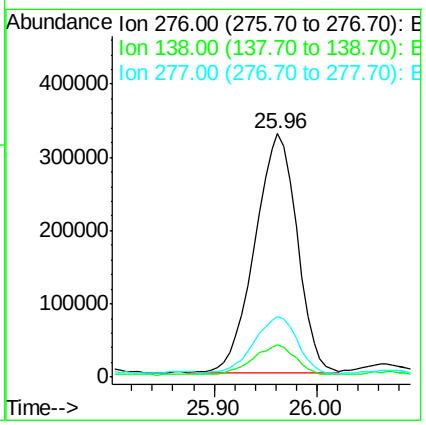
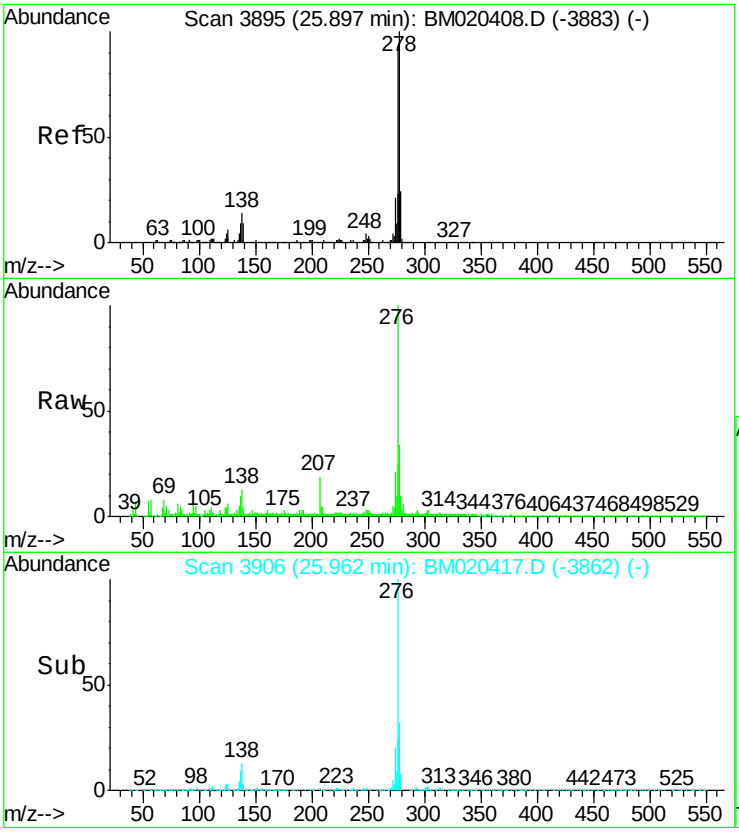


#91
Indeno(1,2,3-cd)pyrene
Concen: 24.904 ng/ul m
RT: 25.96 min Scan# 3906
Delta R.T. 0.07 min
Lab File: BM020417.D
Acq: 19 May 2019 02:17

Tgt Ion:276 Resp: 935659

Ion	Ratio	Lower	Upper
276	100		
138	13.1	12.3	18.5
277	24.7	20.0	30.0





#92
Dibenzo(a,h)anthracene
Concen: 13.115 ng/ul m
RT: 25.96 min Scan# 3906
Delta R.T. 0.06 min
Lab File: BM020417.D
Acq: 19 May 2019 02:17

Tgt Ion:278 Resp: 421390

Ion	Ratio	Lower	Upper
278	100		
139	12.6	8.1	12.1#
279	29.1	18.7	28.1#

Instrument :
BNA_M
ClientSampleId :
GAJ96

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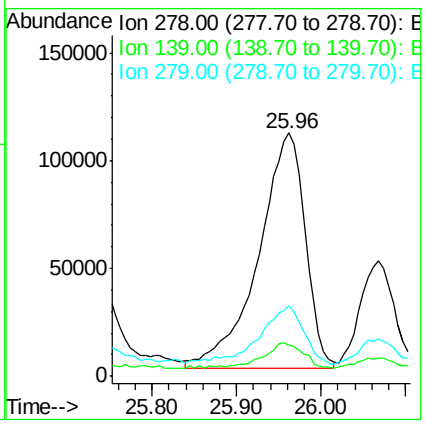

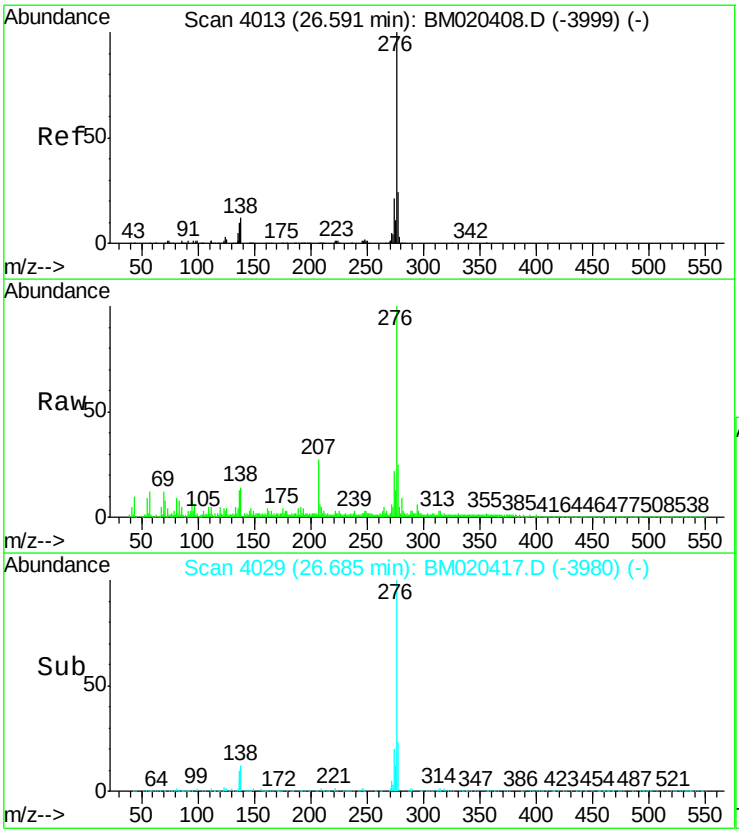

#93
Benzo(g,h,i)perylene
Concen: 22.659 ng/ul m
RT: 26.69 min Scan# 4029
Delta R.T. 0.09 min
Lab File: BM020417.D
Acq: 19 May 2019 02:17

Tgt Ion:276 Resp: 704713

Ion	Ratio	Lower	Upper
276	100		
138	13.5	10.0	15.0
277	24.8	18.2	27.4