Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020368.D
Acq On : 17 May 2019 17:02
Operator : JU/SJ
Sample : K2604-02DL 30X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ76DL

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Quant Time: May 18 04:15:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 02:51:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	72680	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	270437	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.39	164	168850	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	393290	20.00	ng/ul	0.00
77) Chrysene-d12	21.33	240	393169	20.00	ng/ul	0.00
85) Perylene-d12	23.61	264	441054	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.90	99	3220	0.56	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.09	67	2297	0.62	ng/ul	0.01
9) 2-Chlorophenol-d4	7.26	132	3239	0.76	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	2318	0.55	ng/ul	0.00
19) Nitrobenzene-d5	8.91	128	929	0.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.63	143	1097	0.57	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.16	165	1593	0.39	ng/ul	0.01
29) 4-Chloroaniline-d4	10.70	131	3230	0.76	ng/ul	0.03
43) Dimethylphthalate-d6	13.80	166	14764	1.22	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	16622	1.09	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
57) Fluorene-d10	15.38	176	13790	1.28	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	619	0.28	ng/ul	0.00
70) Anthracene-d10	17.23	188	23008m	1.36	ng/ul	0.00
78) Pyrene-d10	19.53	212	24599	1.30	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.46	264	23815	1.19	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.57	128	707216	56.918	ng/ul	99
34) 2-Methylnaphthalene	12.19	142	247715	27.535	ng/ul	97
40) 1,1'-Biphenyl	13.21	154	32680	2.704	ng/ul	99
47) Acenaphthylene	14.10	152	239875	16.740	ng/ul	97
49) Acenaphthene	14.45	153	32281	3.277	ng/ul	95
53) Dibenzofuran	14.79	168	73193	4.906	ng/ul	100
58) Fluorene	15.43	166	210452	17.610	ng/ul	99
69) Phenanthrene	17.18	178	1384554	73.885	ng/ul	99
71) Anthracene	17.27	178	379300	19.898	ng/ul	100
74) Carbazole	17.54	167	17527	1.083	ng/ul#	78
76) Fluoranthene	19.20	202	1058559	44.719	ng/ul	99
79) Pyrene	19.57	202	1327786	56.265	ng/ul	100
82) Benzo(a)anthracene	21.32	228	536826	22.685	ng/ul	96
84) Chrysene	21.37	228	458501	20.275	ng/ul	95
87) Benzo(b)fluoranthene	22.92	252	393147	15.618	ng/ul#	97
88) Benzo(k)fluoranthene	22.96	252	154838m	6.262	ng/ul	
90) Benzo(a)pyrene	23.51	252	403819	17.047	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.90	276	171642	6.359	ng/ul	98
92) Dibenzo(a,h)anthracene	25.91	278	50830	2.202	ng/ul#	89
93) Benzo(g,h,i)perylene	26.61	276	158052	7.074	ng/ul#	95

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

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QLast Update : Sat May 18 02:51:01 2019
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Instrument :
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ClientSampleId :
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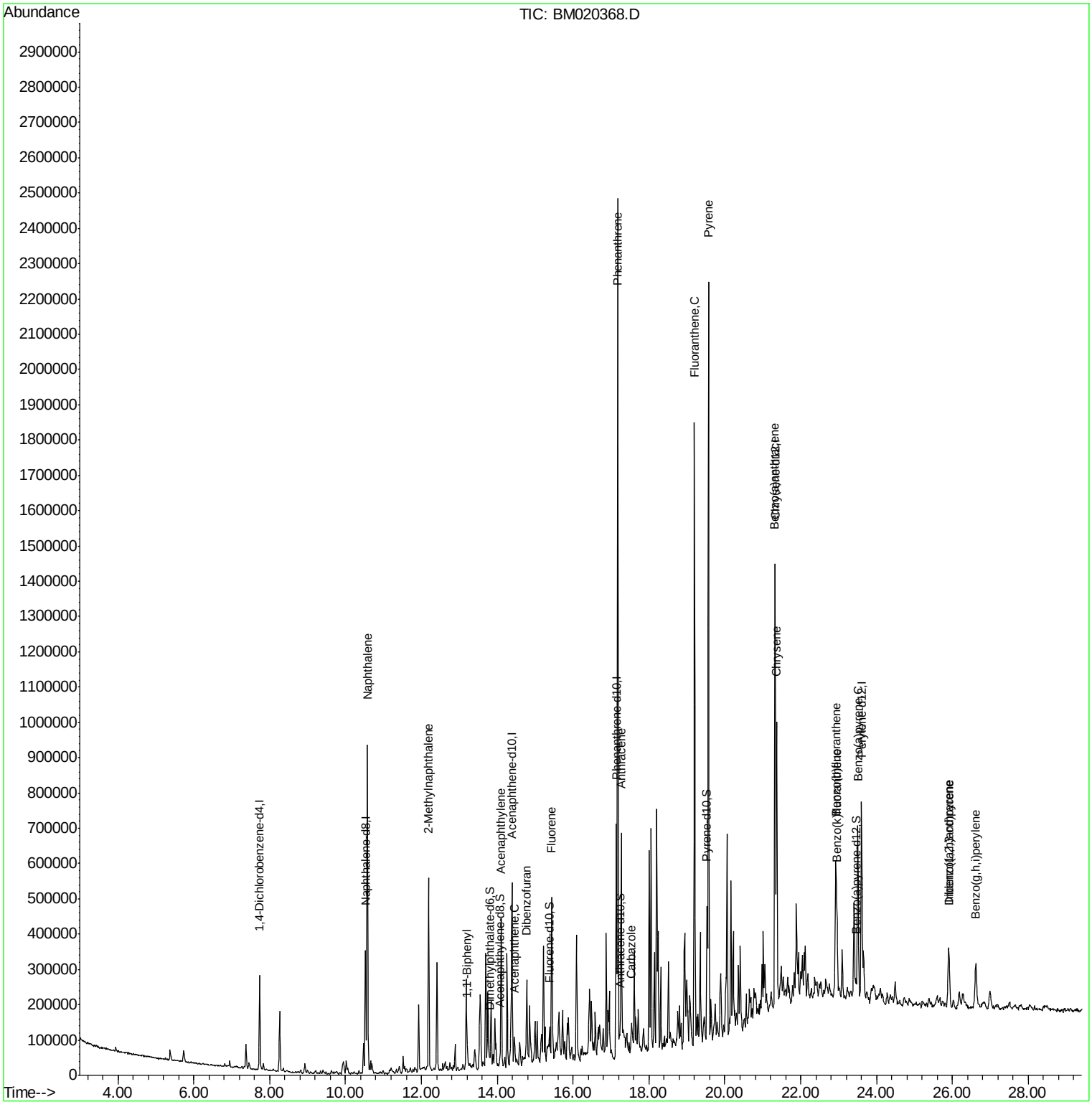

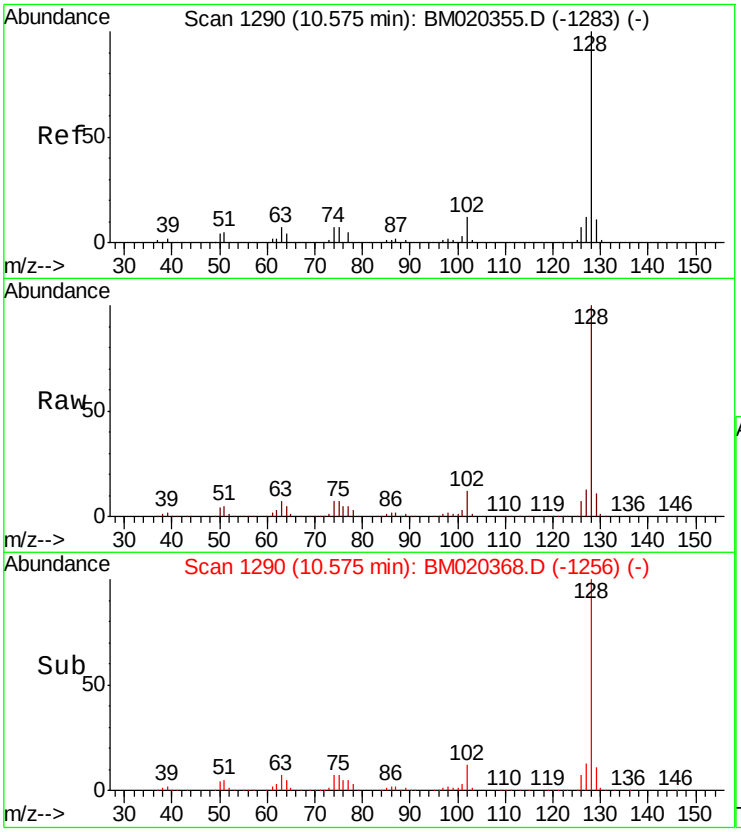

#28
Naphthalene
Concen: 56.918 ng/ul
RT: 10.57 min Scan# 1290
Delta R.T. 0.00 min
Lab File: BM020368.D
Acq: 17 May 2019 17:02

Tgt Ion:128 Resp: 707216

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	12.8	10.6	15.8

Instrument :
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ClientSampleId :
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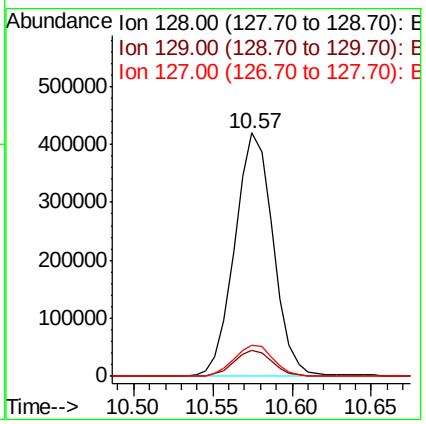
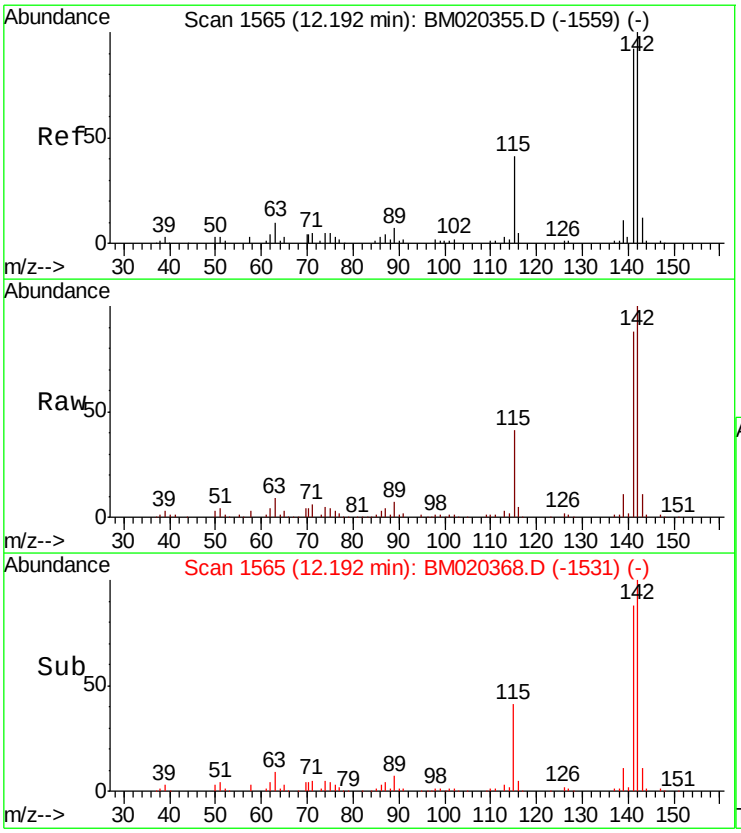
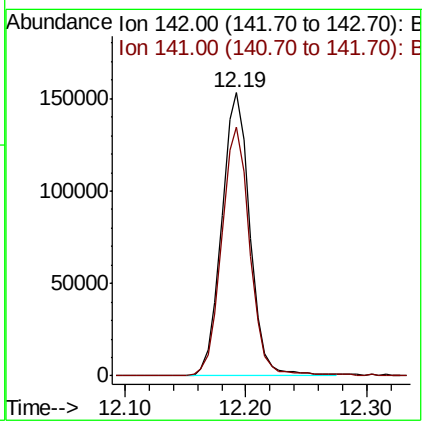


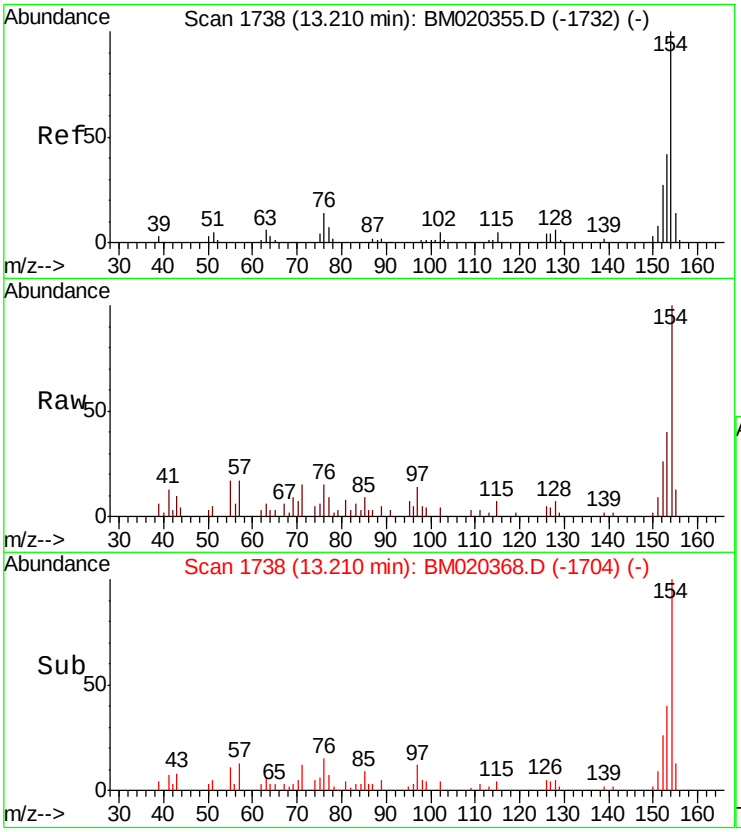


#34
2-Methylnaphthalene
Concen: 27.535 ng/ul
RT: 12.19 min Scan# 1565
Delta R.T. 0.00 min
Lab File: BM020368.D
Acq: 17 May 2019 17:02

Tgt Ion:142 Resp: 247715

Ion	Ratio	Lower	Upper
142	100		
141	88.1	68.6	102.8

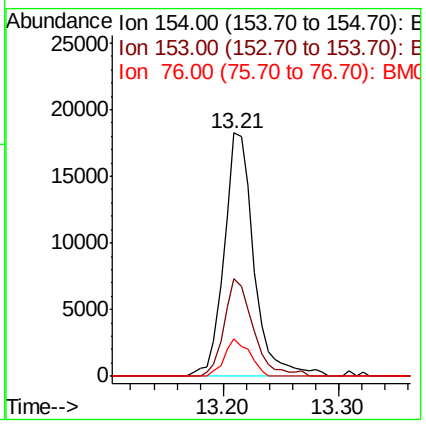




#40
1,1'-Biphenyl
Concen: 2.704 ng/ul
RT: 13.21 min Scan# 1738
Delta R.T. 0.00 min
Lab File: BM020368.D
Acq: 17 May 2019 17:02

Tgt Ion:154 Resp: 32680

Ion	Ratio	Lower	Upper
154	100		
153	40.2	32.2	48.4
76	15.2	11.0	16.4



Instrument :
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ClientSampleId :
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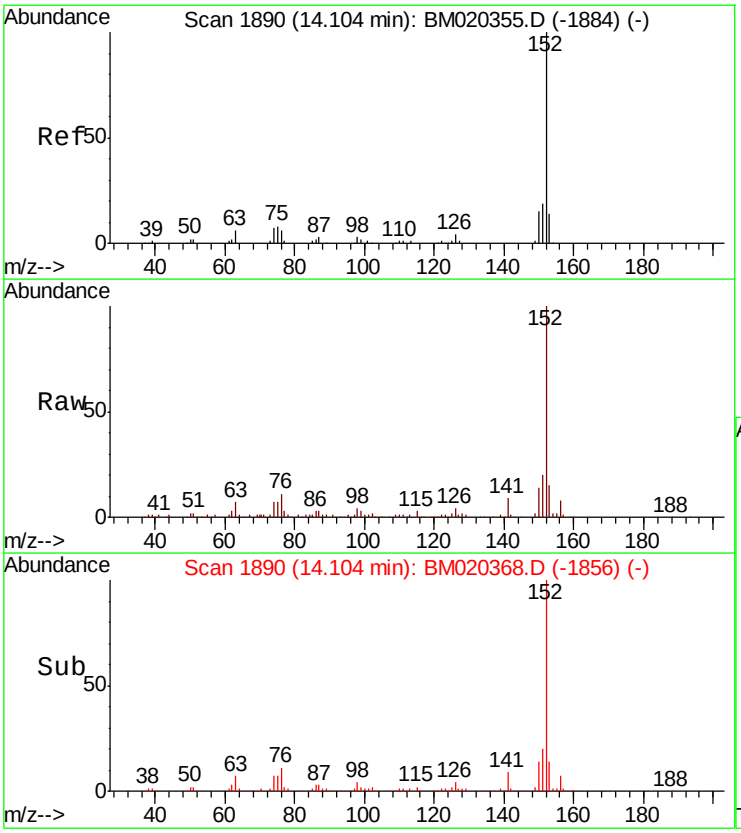
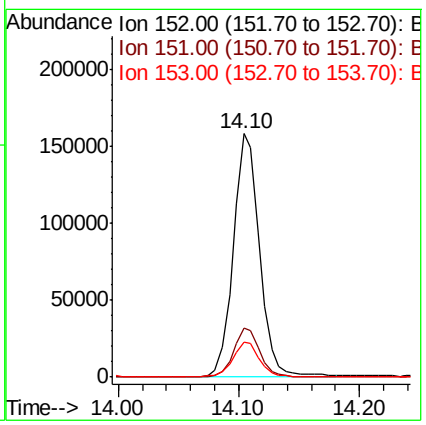
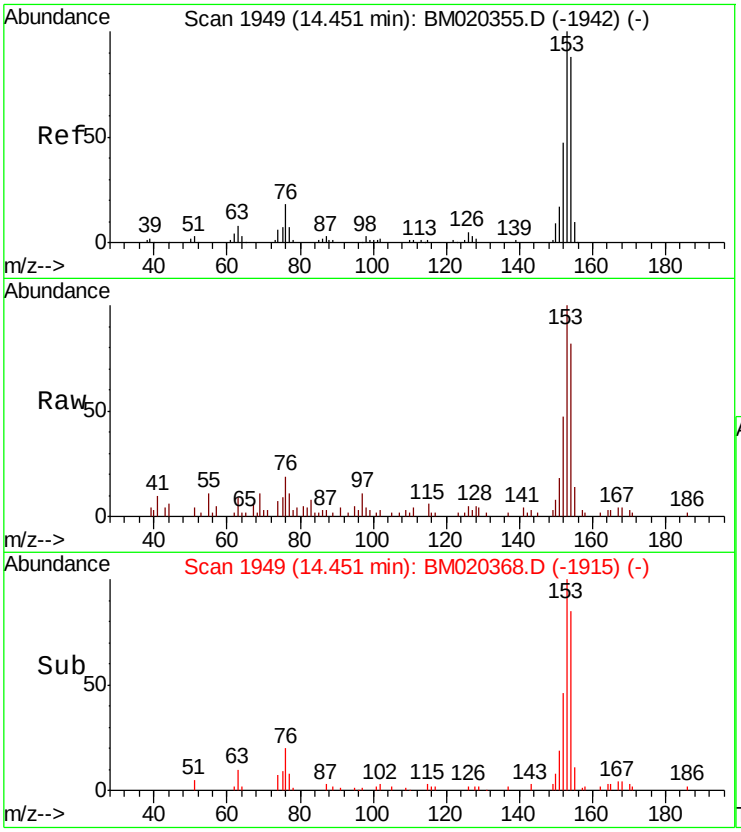


#47
Acenaphthylene
Concen: 16.740 ng/ul
RT: 14.10 min Scan# 1890
Delta R.T. 0.00 min
Lab File: BM020368.D
Acq: 17 May 2019 17:02

Tgt Ion:152 Resp: 239875

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.4	23.0
153	14.6	10.3	15.5

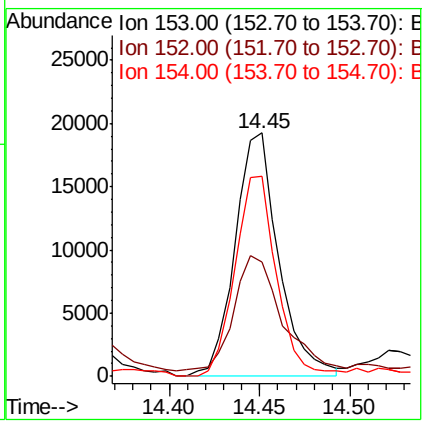




#49
Acenaphthene
Concen: 3.277 ng/ul
RT: 14.45 min Scan# 1949
Delta R.T. 0.00 min
Lab File: BM020368.D
Acq: 17 May 2019 17:02

Tgt Ion:153 Resp: 32281

Ion	Ratio	Lower	Upper
153	100		
152	46.9	37.9	56.9
154	82.2	71.2	106.8



Instrument :
BNA_M
ClientSampleId :
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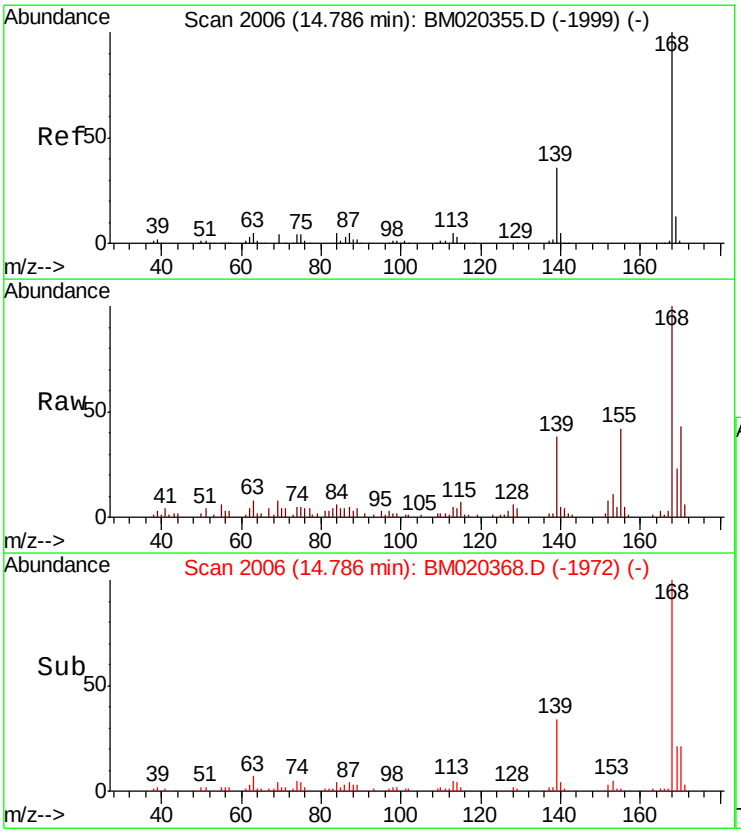
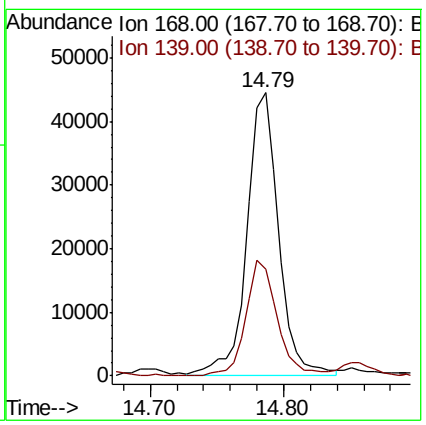
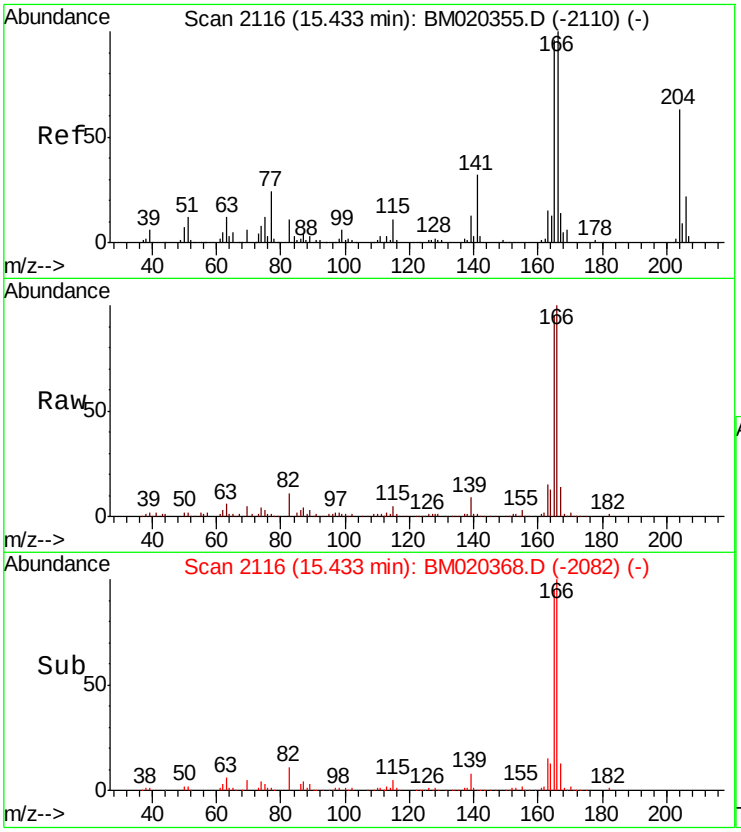


#53
Dibenzofuran
Concen: 4.906 ng/ul
RT: 14.79 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BM020368.D
Acq: 17 May 2019 17:02

Tgt Ion:168 Resp: 73193

Ion	Ratio	Lower	Upper
168	100		
139	37.5	30.1	45.1

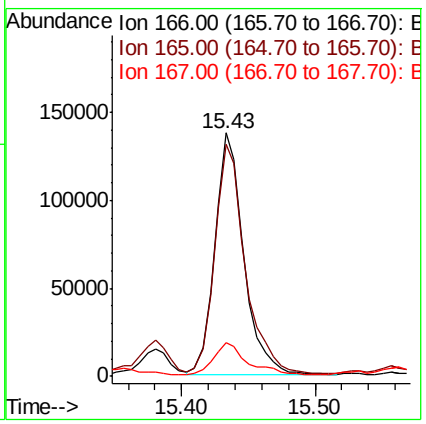




#58
Fluorene
Concen: 17.610 ng/ul
RT: 15.43 min Scan# 2116
Delta R.T. 0.00 min
Lab File: BM020368.D
Acq: 17 May 2019 17:02

Tgt Ion:166 Resp: 210452

Ion	Ratio	Lower	Upper
166	100		
165	95.4	77.1	115.7
167	13.7	11.1	16.7



Instrument :
BNA_M
ClientSampleId :
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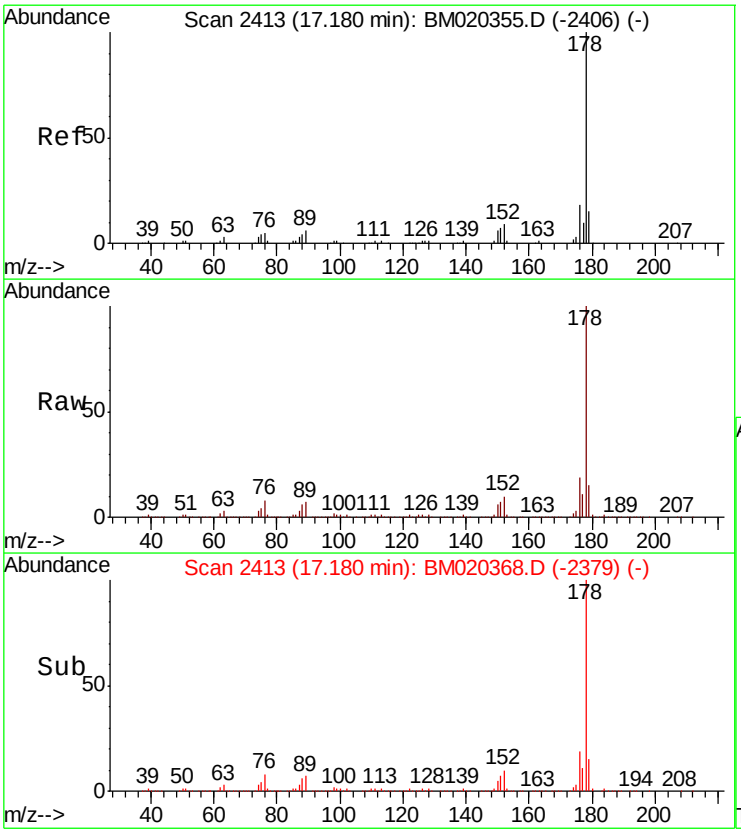
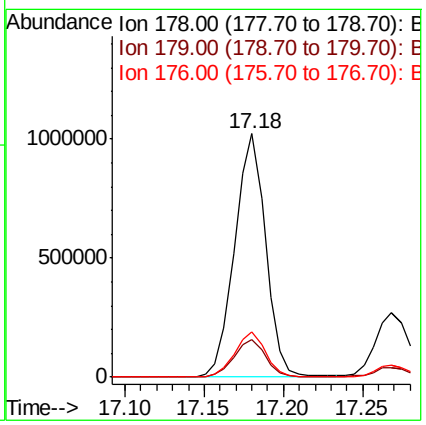
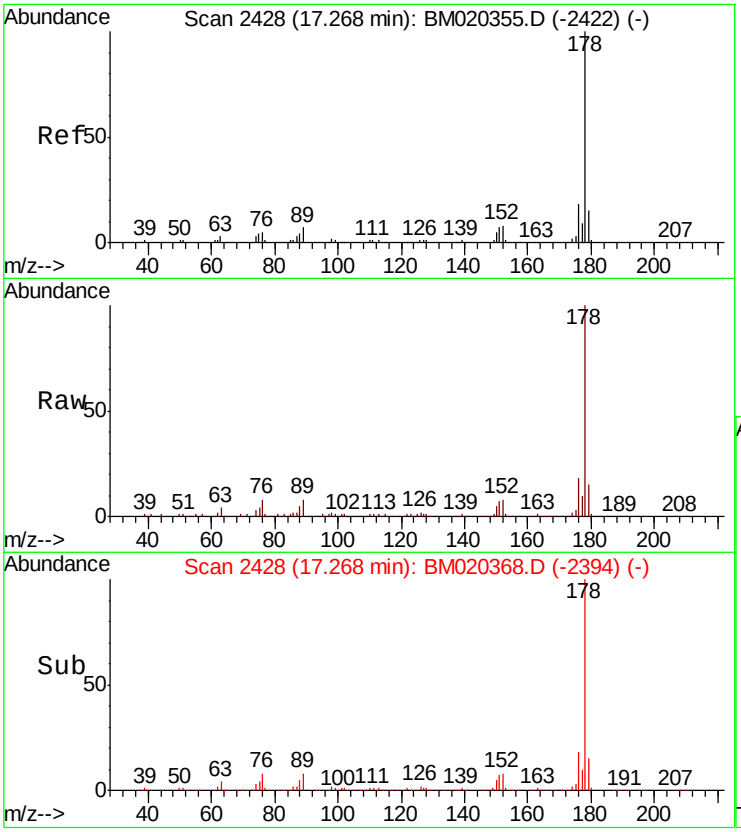


#69
Phenanthrene
Concen: 73.885 ng/ul
RT: 17.18 min Scan# 2413
Delta R.T. 0.00 min
Lab File: BM020368.D
Acq: 17 May 2019 17:02

Tgt Ion:178 Resp: 1384554

Ion	Ratio	Lower	Upper
178	100		
179	15.4	11.9	17.9
176	18.6	14.6	22.0

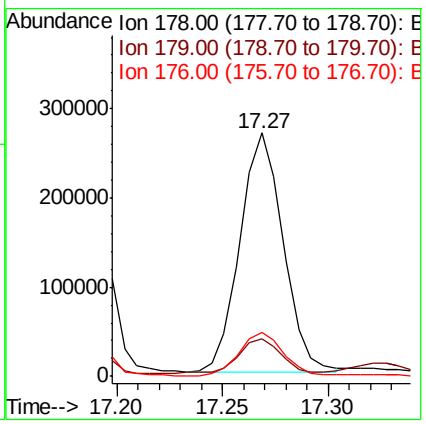




#71
Anthracene
Concen: 19.898 ng/ul
RT: 17.27 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BM020368.D
Acq: 17 May 2019 17:02

Tgt Ion:178 Resp: 379300

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.4	18.6
176	17.8	14.4	21.6



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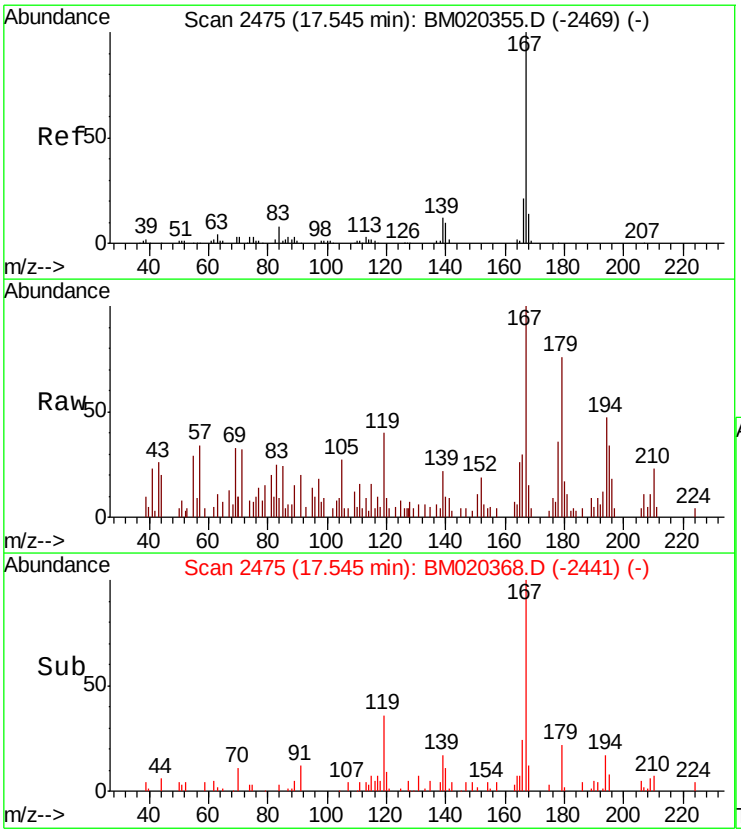
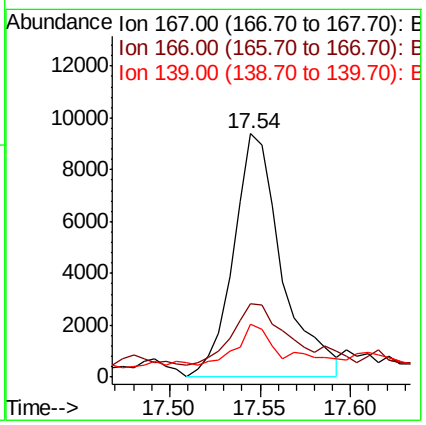
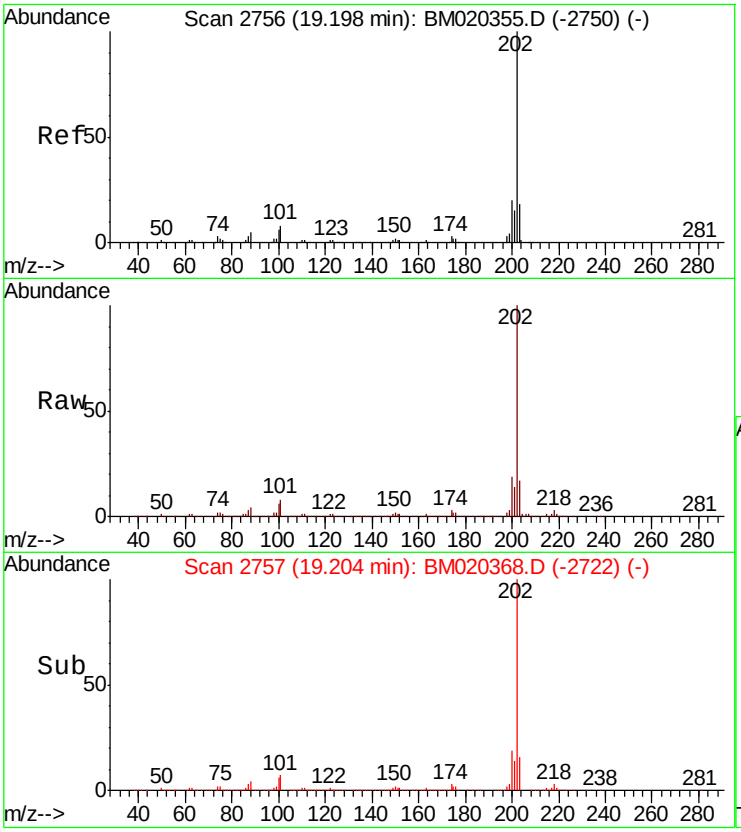


#74
Carbazole
Concen: 1.083 ng/ul
RT: 17.54 min Scan# 2475
Delta R.T. 0.00 min
Lab File: BM020368.D
Acq: 17 May 2019 17:02

Tgt Ion:167 Resp: 17527

Ion	Ratio	Lower	Upper
167	100		
166	30.4	16.6	24.8#
139	21.6	9.8	14.8#

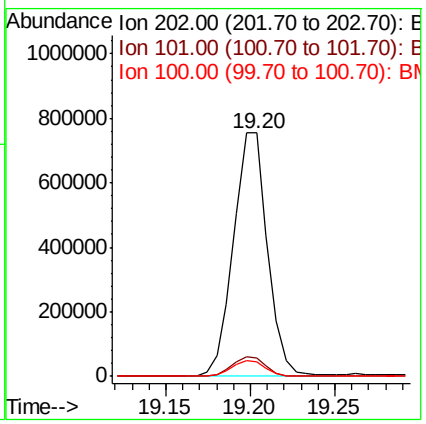




#76
Fluoranthene
Concen: 44.719 ng/ul
RT: 19.20 min Scan# 2757
Delta R.T. 0.01 min
Lab File: BM020368.D
Acq: 17 May 2019 17:02

Tgt Ion:202 Resp: 1058559

Ion	Ratio	Lower	Upper
202	100		
101	7.6	6.4	9.6
100	5.9	5.2	7.8



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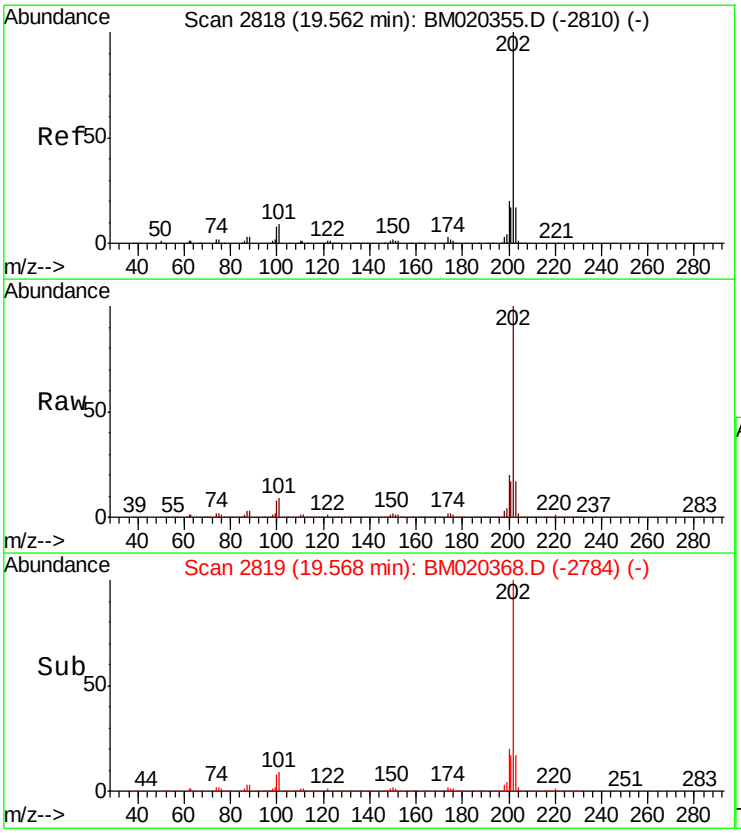
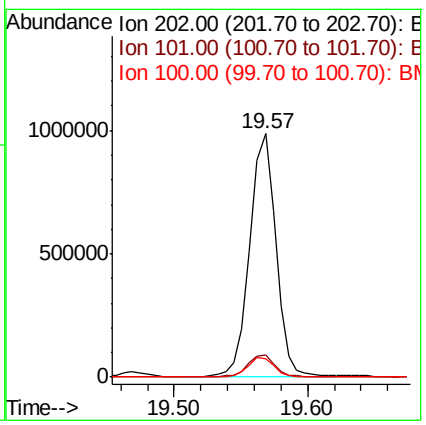
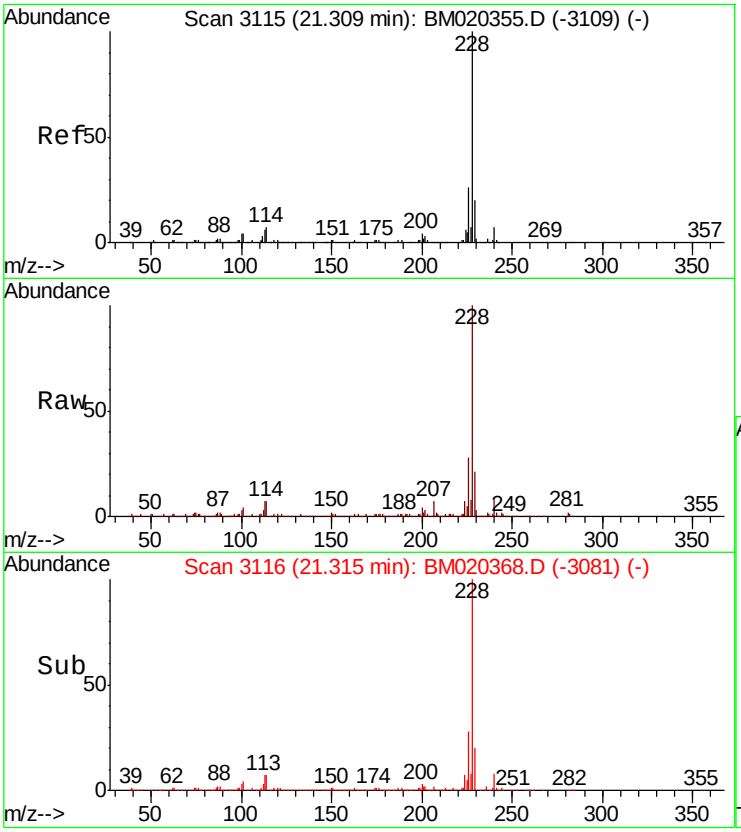


#79
Pyrene
Concen: 56.265 ng/ul
RT: 19.57 min Scan# 2819
Delta R.T. 0.01 min
Lab File: BM020368.D
Acq: 17 May 2019 17:02

Tgt Ion:202 Resp: 1327786

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.1	10.7
100	7.5	5.9	8.9

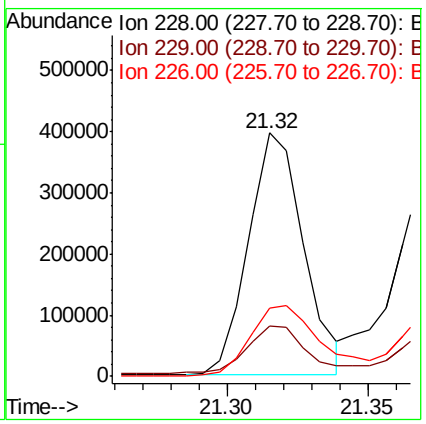




#82
Benzo(a)anthracene
Concen: 22.685 ng/ul
RT: 21.32 min Scan# 3116
Delta R.T. 0.01 min
Lab File: BM020368.D
Acq: 17 May 2019 17:02

Tgt Ion:228 Resp: 536826

Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.8	23.8
226	28.2	20.6	30.8



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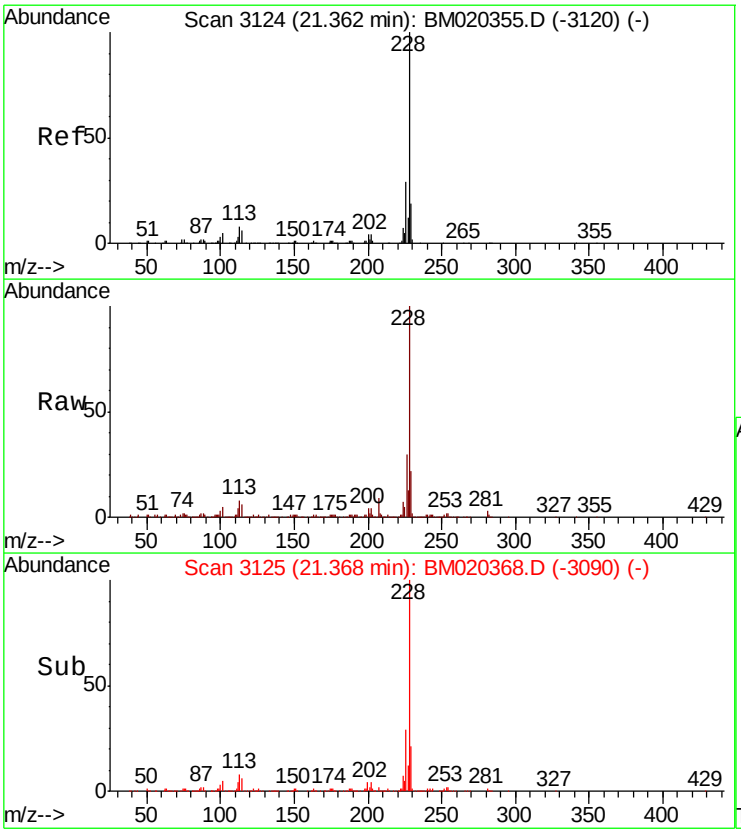
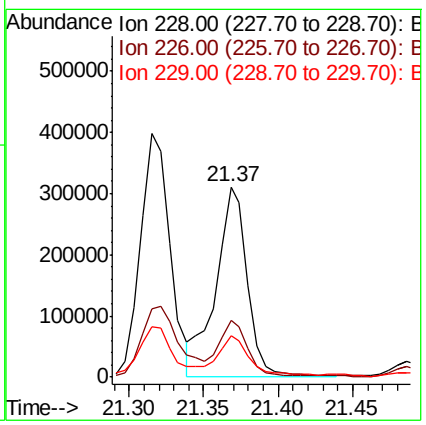
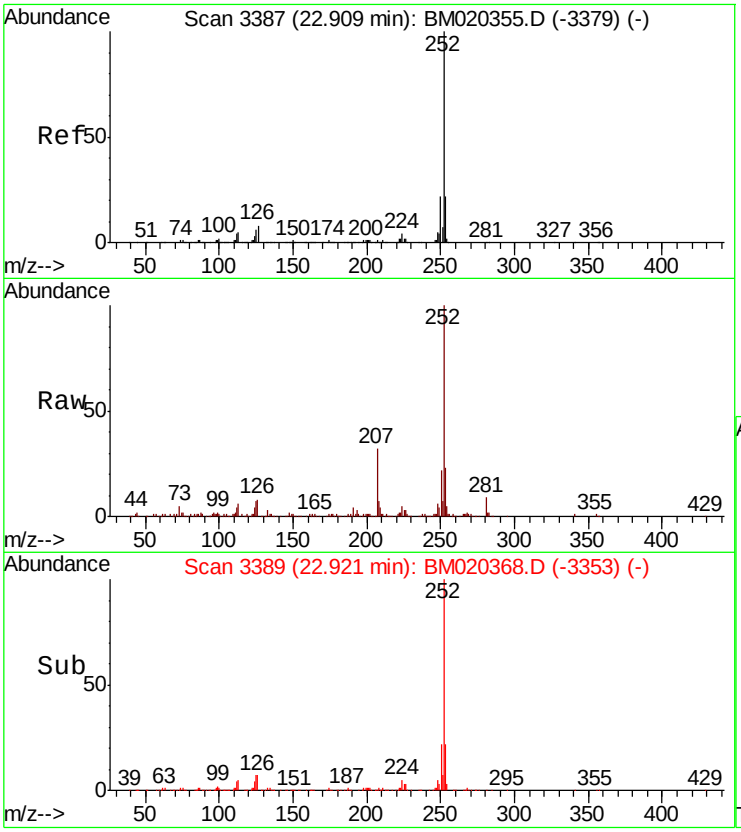


#84
Chrysene
Concen: 20.275 ng/ul
RT: 21.37 min Scan# 3125
Delta R.T. 0.01 min
Lab File: BM020368.D
Acq: 17 May 2019 17:02

Tgt Ion:228 Resp: 458501

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.2	33.4
229	22.1	15.4	23.2





#87
Benzo(b)fluoranthene
Concen: 15.618 ng/ul
RT: 22.92 min Scan# 3389
Delta R.T. 0.01 min
Lab File: BM020368.D
Acq: 17 May 2019 17:02

Tgt Ion:252 Resp: 393147

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	7.5	5.0	7.4#

Instrument :
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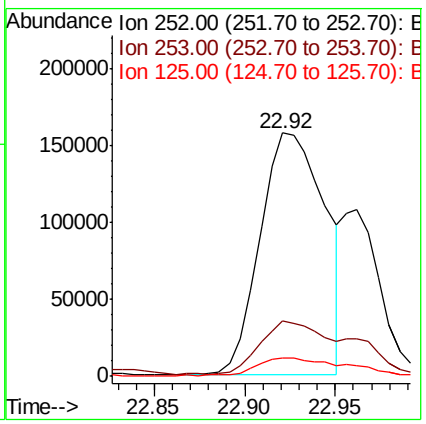
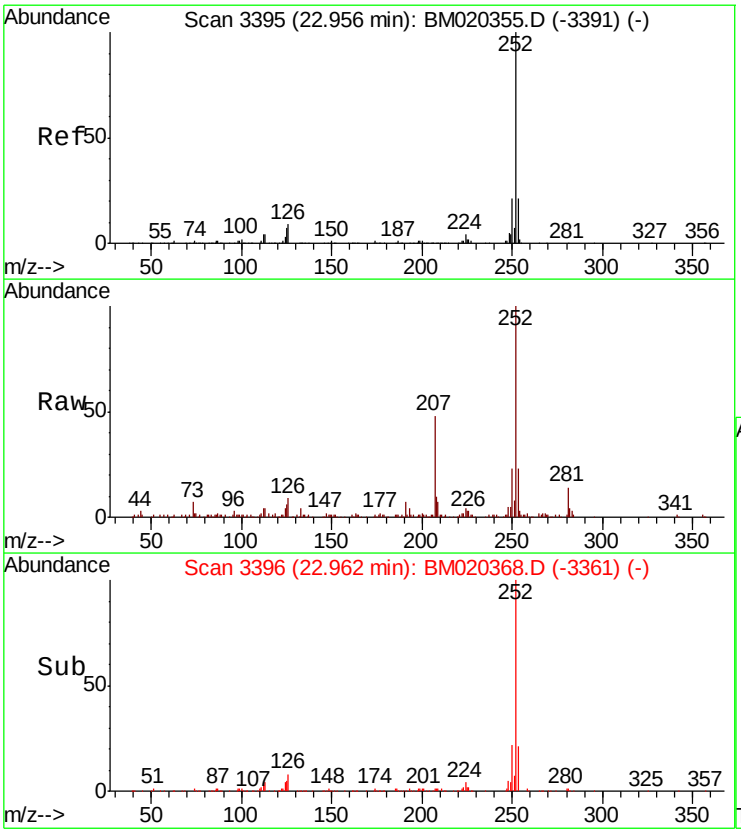
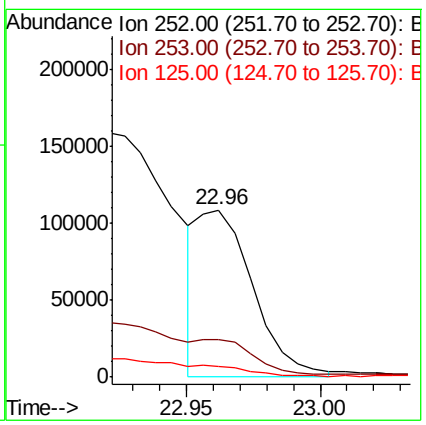


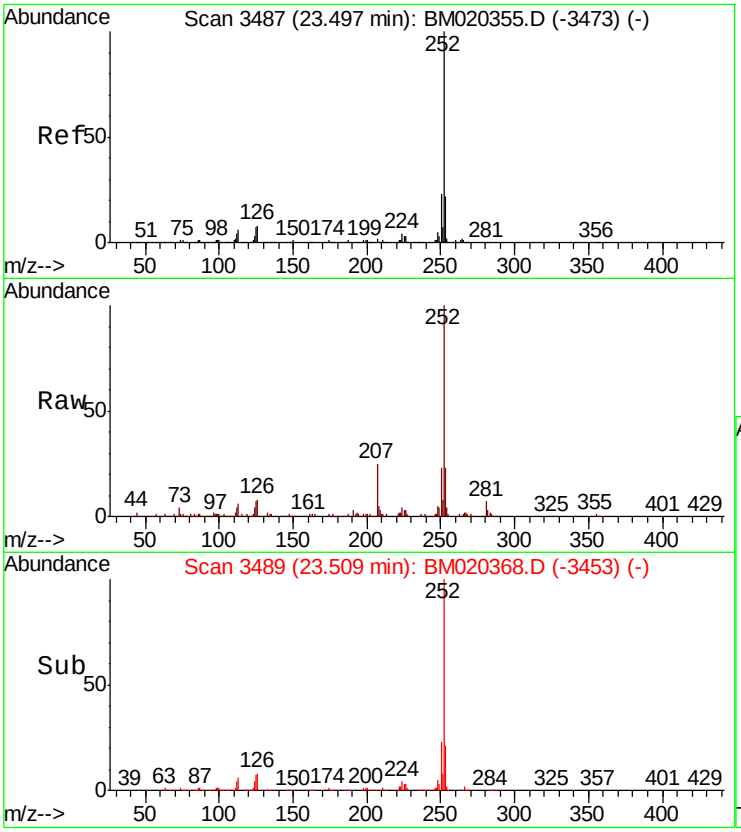


#88
Benzo(k)fluoranthene
Concen: 6.262 ng/ul m
RT: 22.96 min Scan# 3396
Delta R.T. 0.01 min
Lab File: BM020368.D
Acq: 17 May 2019 17:02

Tgt Ion:252 Resp: 154838

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	6.1	5.0	7.6

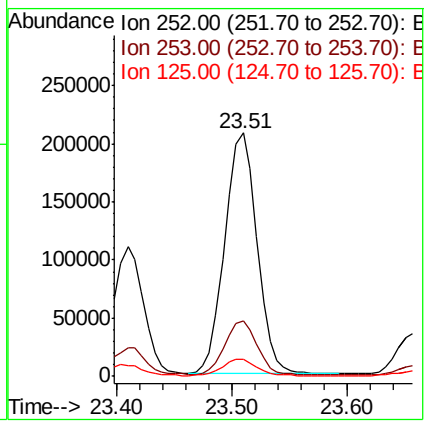




#90
Benzo(a)pyrene
Concen: 17.047 ng/ul
RT: 23.51 min Scan# 3489
Delta R.T. 0.01 min
Lab File: BM020368.D
Acq: 17 May 2019 17:02

Tgt Ion:252 Resp: 403819

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



Instrument :
BNA_M
ClientSampleId :
GAJ76DL

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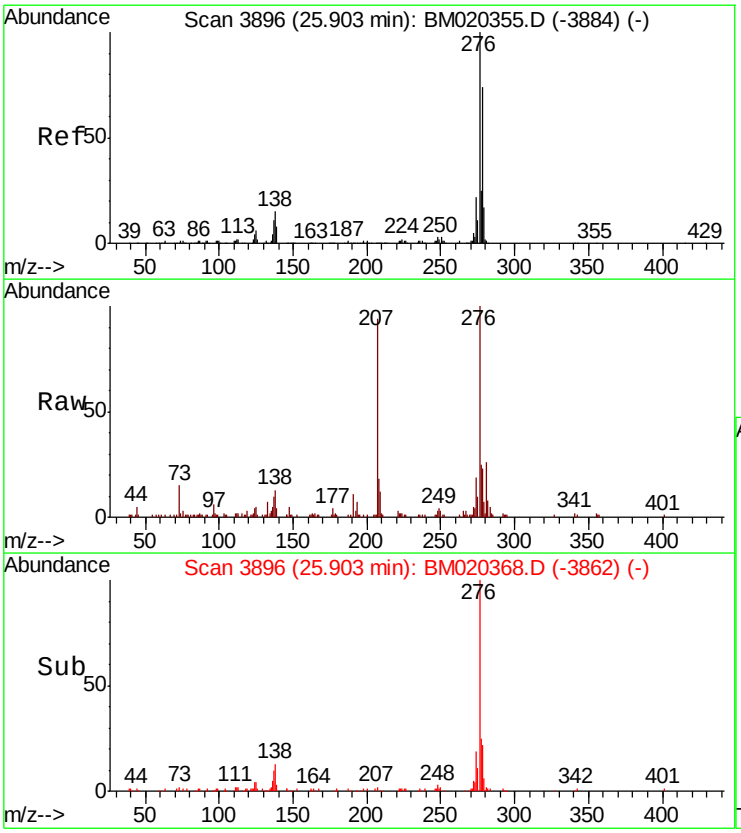
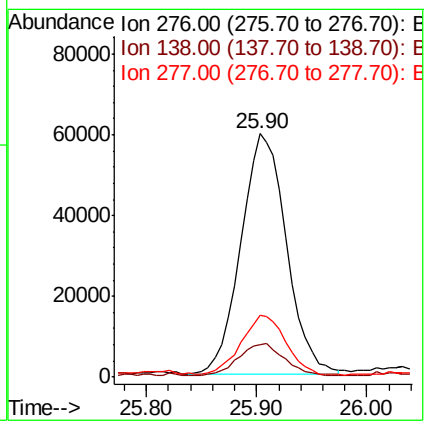
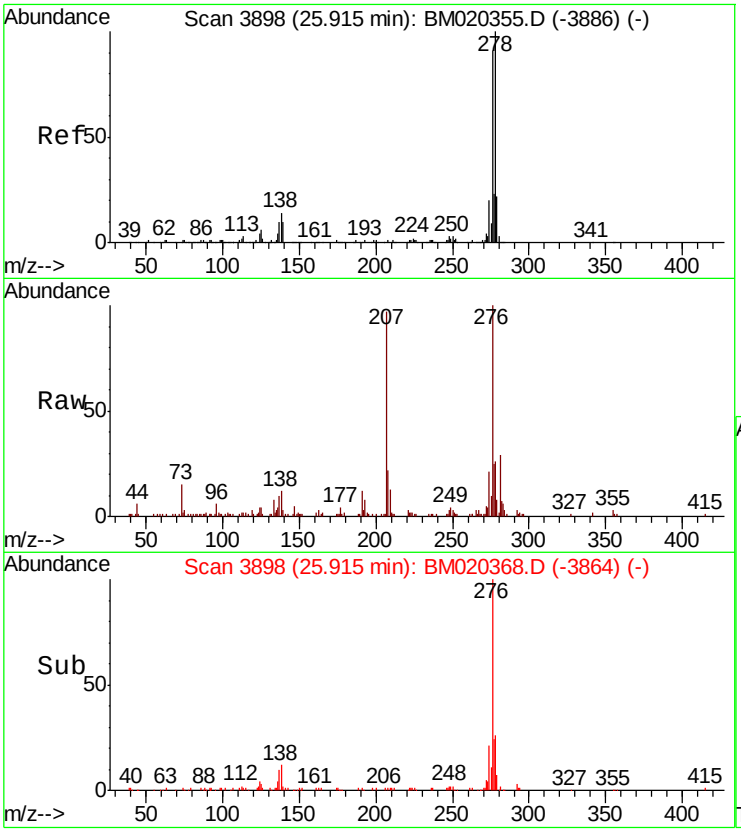


#91
Indeno(1,2,3-cd)pyrene
Concen: 6.359 ng/ul
RT: 25.90 min Scan# 3896
Delta R.T. 0.00 min
Lab File: BM020368.D
Acq: 17 May 2019 17:02

Tgt Ion:276 Resp: 171642

Ion	Ratio	Lower	Upper
276	100		
138	13.4	12.3	18.5
277	25.5	20.0	30.0





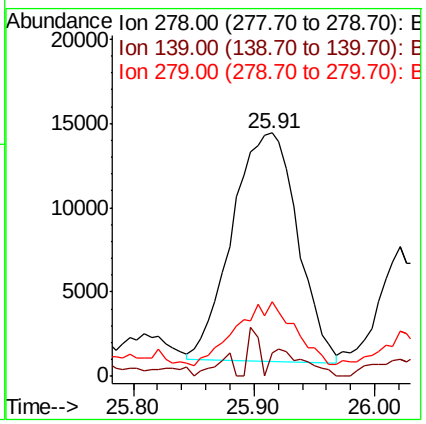
#92
Dibenzo(a,h)anthracene
Concen: 2.202 ng/ul
RT: 25.91 min Scan# 3898
Delta R.T. 0.00 min
Lab File: BM020368.D
Acq: 17 May 2019 17:02

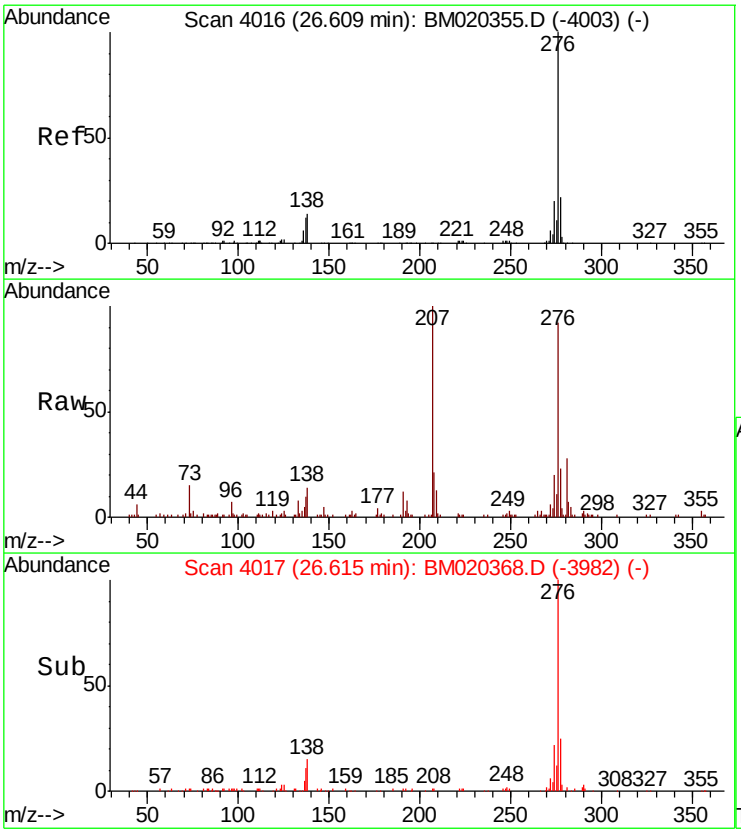
Tgt Ion:278 Resp: 50830

Ion	Ratio	Lower	Upper
278	100		
139	9.5	8.1	12.1
279	30.6	18.7	28.1#

Instrument :
BNA_M
ClientSampleId :
GAJ76DL

Manual Integrations APPROVED
mohammad
5/20/2019 2:46:17 PM





#93
Benzo(g,h,i)perylene
Concen: 7.074 ng/ul
RT: 26.61 min Scan# 4017
Delta R.T. 0.01 min
Lab File: BM020368.D
Acq: 17 May 2019 17:02

Tgt Ion:276 Resp: 158052

Ion	Ratio	Lower	Upper
276	100		
138	15.1	10.0	15.0#
277	25.1	18.2	27.4