Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\

Quantitation Report (LSC Reviewed)

Data File : BM010710.D
Acq On : 24 Jun 2017 03:14
Operator : SJ/JU
Sample : I3625-14ME 20X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C81ME

Manual Integrations APPROVED
mohammad
6/28/2017 7:36:23 AM

Quant Time: Jun 24 06:21:14 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jun 24 04:37:39 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	64856	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	302085	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	214886	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.86	188	529785	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	581890	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	427570	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	6.65	99	4070	0.66	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	2090	0.59	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	2890	0.67	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	3927	0.77	ng/ul	-0.01
19) Nitrobenzene-d5	8.60	128	1710	0.79	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.31	143	1902	0.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	4075	0.78	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	3902	0.71	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	15777	0.84	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	16684	0.76	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	1295	0.39	ng/ul	0.00
57) Fluorene-d10	15.11	176	14411	0.88	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	1796	0.55	ng/ul	0.00
70) Anthracene-d10	16.96	188	22734m	0.89	ng/ul	0.00
76) Pyrene-d10	19.27	212	25377	0.94	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.08	264	15983	0.77	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.27	128	967451	64.35	ng/ul	99
34) 2-Methylnaphthalene	11.89	142	194942	16.13	ng/ul	94
40) 1,1'-Biphenyl	12.93	154	51984	3.09	ng/ul	98
49) Acenaphthene	14.17	153	164443	11.66	ng/ul	93
53) Dibenzofuran	14.52	168	211271	9.90	ng/ul	91
58) Fluorene	15.17	166	229183	12.82	ng/ul	99
69) Phenanthrene	16.91	178	1011714	35.92	ng/ul	99
71) Anthracene	17.00	178	504751	17.40	ng/ul	98
72) Carbazole	17.27	167	218668	8.64	ng/ul	97
74) Fluoranthene	18.94	202	596702	16.44	ng/ul#	96
77) Pyrene	19.30	202	395634	11.77	ng/ul#	97
80) Benzo(a)anthracene	21.06	228	124647	3.68	ng/ul	96
82) Chrysene	21.12	228	101077	3.35	ng/ul	97
85) Benzo(b)fluoranthene	22.59	252	50115	1.81	ng/ul#	94
88) Benzo(a)pyrene	23.12	252	30592	1.20	ng/ul#	95

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

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\

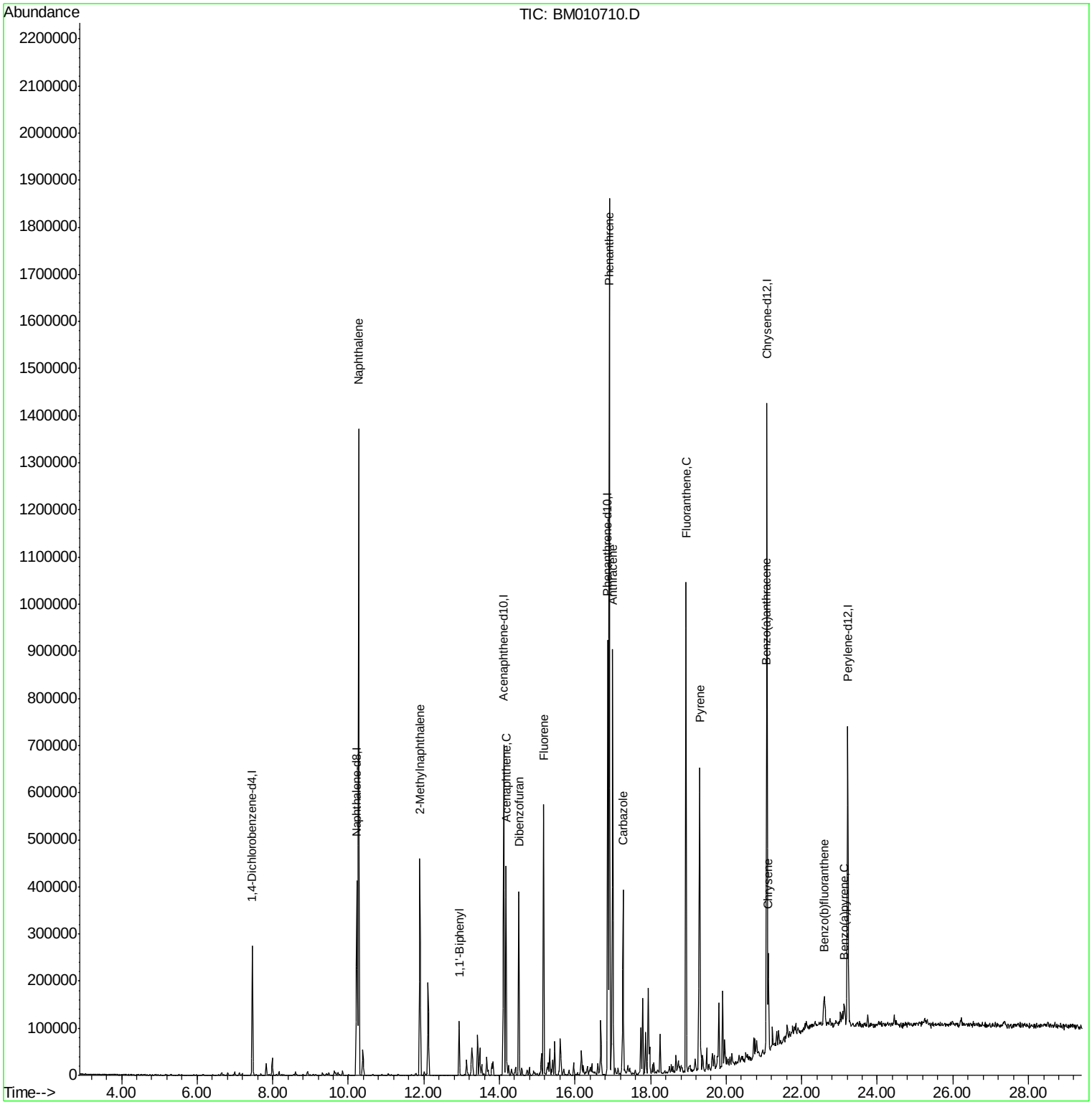
Quantitation Report (LSC Reviewed)

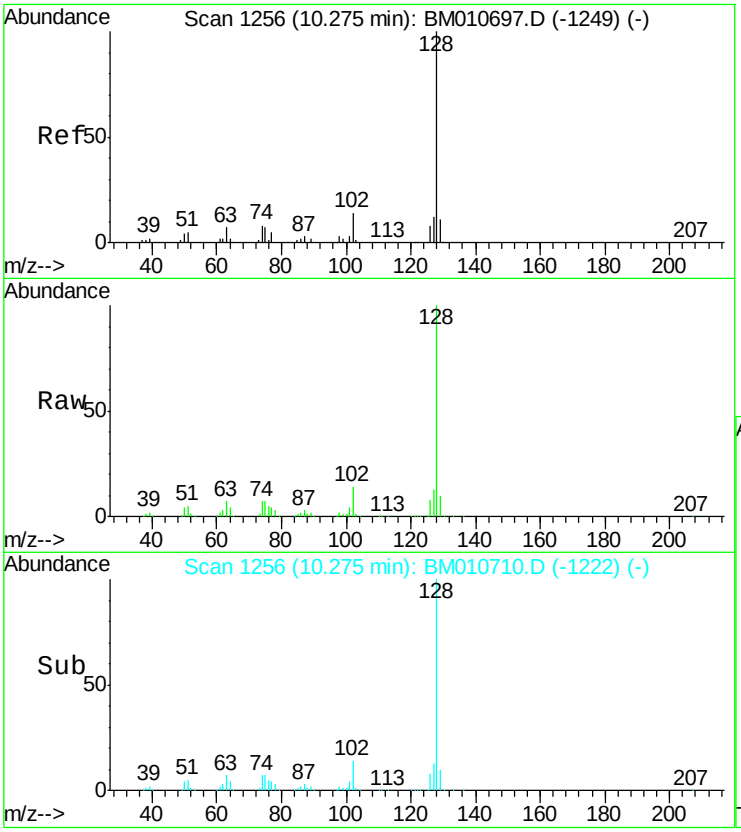
Data File : BM010710.D
Acq On : 24 Jun 2017 03:14
Operator : SJ/JU
Sample : I3625-14ME 20X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 24 06:21:14 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jun 24 04:37:39 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F5C81ME

Manual Integrations APPROVED
mohammad
6/28/2017 7:36:23 AM

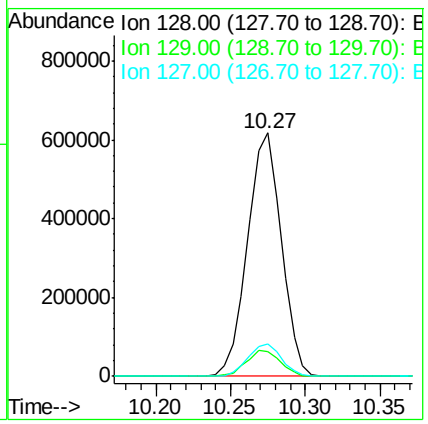




#28
Naphthalene
Concen: 64.35 ng/ul
RT: 10.27 min Scan# 1256
Delta R.T. 0.00 min
Lab File: BM010710.D
Acq: 24 Jun 2017 03:14

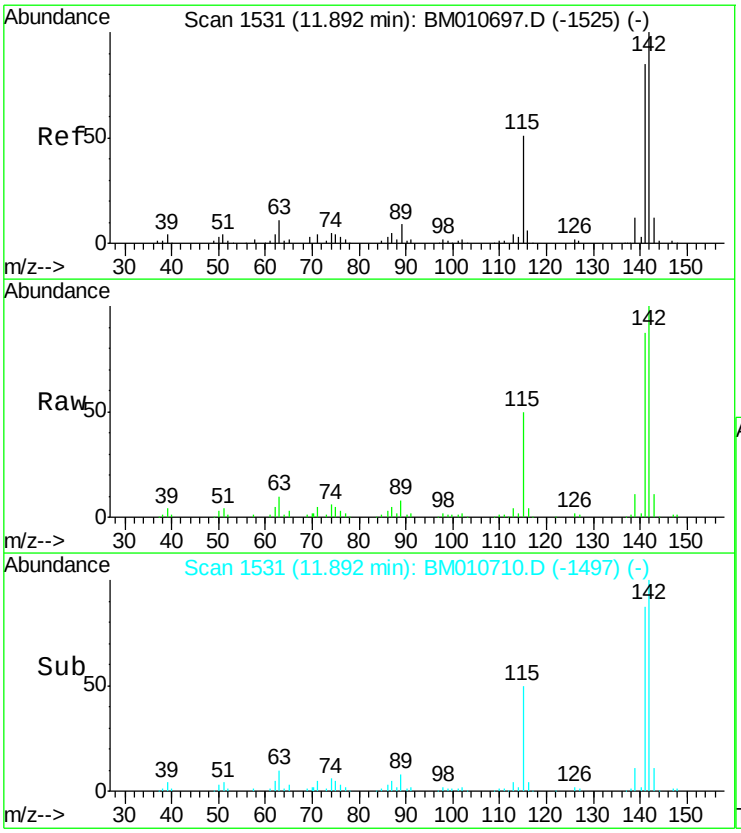
Tgt Ion:128 Resp: 967451

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	13.2	10.6	16.0



Instrument :
BNA_M
ClientSampleId :
F5C81ME

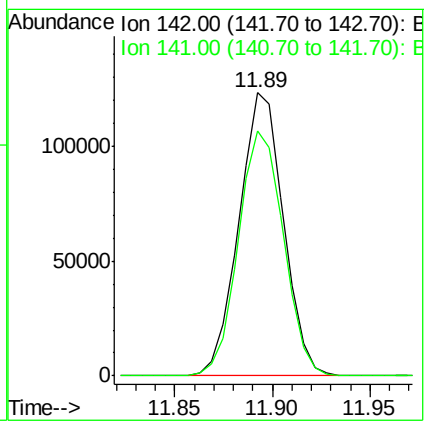
Manual Integrations APPROVED
mohammad
6/28/2017 7:36:23 AM

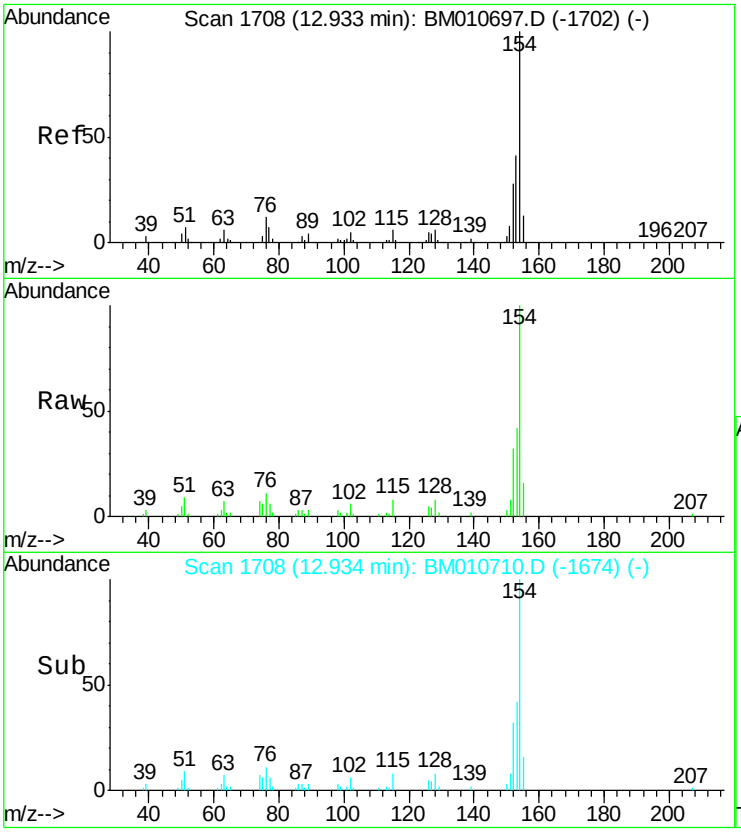


#34
2-Methylnaphthalene
Concen: 16.13 ng/ul
RT: 11.89 min Scan# 1531
Delta R.T. 0.00 min
Lab File: BM010710.D
Acq: 24 Jun 2017 03:14

Tgt Ion:142 Resp: 194942

Ion	Ratio	Lower	Upper
142	100		
141	86.7	74.1	111.1

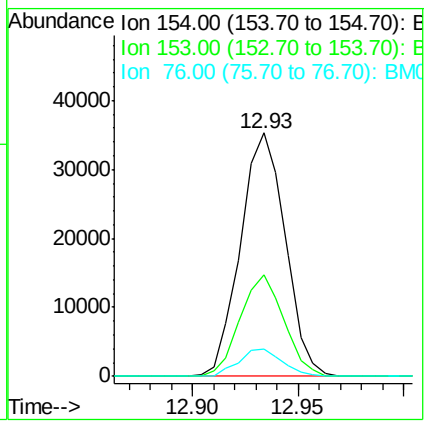




#40
1,1'-Biphenyl
Concen: 3.09 ng/ul
RT: 12.93 min Scan# 1708
Delta R.T. 0.00 min
Lab File: BM010710.D
Acq: 24 Jun 2017 03:14

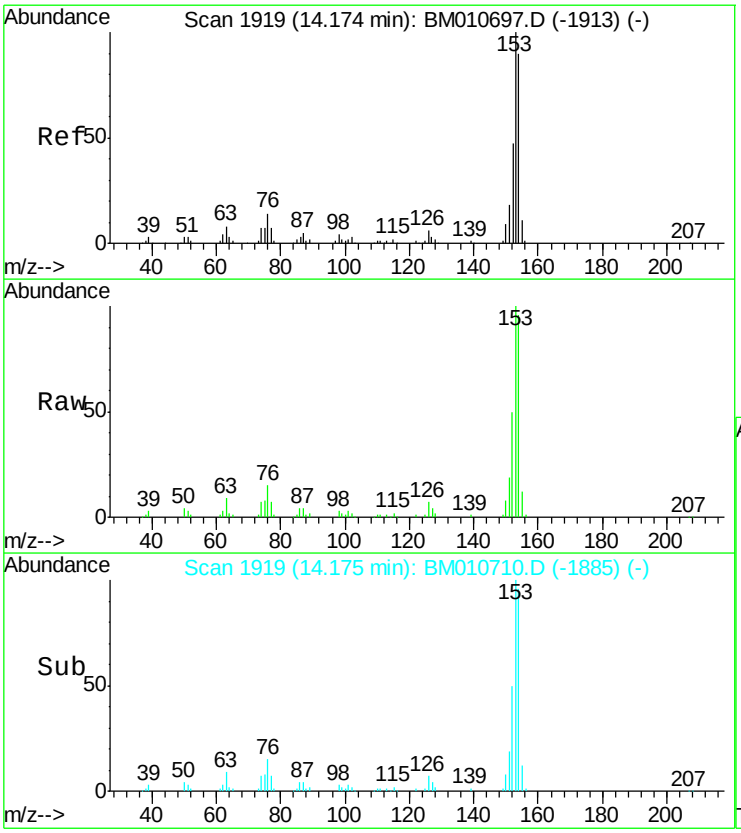
Tgt Ion:154 Resp: 51984

Ion	Ratio	Lower	Upper
154	100		
153	42.0	32.6	48.8
76	11.4	8.5	12.7



Instrument :
BNA_M
ClientSampleId :
F5C81ME

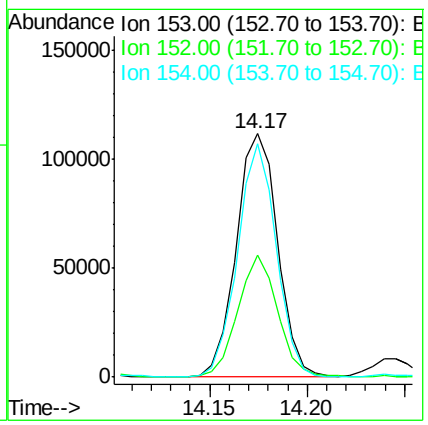
Manual Integrations APPROVED
mohammad
6/28/2017 7:36:23 AM

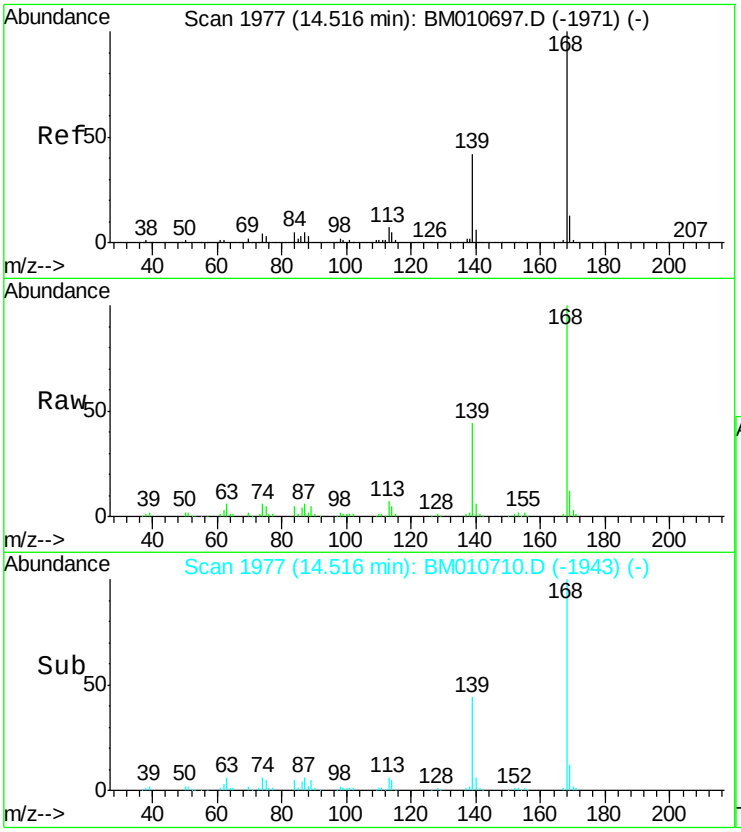


#49
Acenaphthene
Concen: 11.66 ng/ul
RT: 14.17 min Scan# 1919
Delta R.T. 0.00 min
Lab File: BM010710.D
Acq: 24 Jun 2017 03:14

Tgt Ion:153 Resp: 164443

Ion	Ratio	Lower	Upper
153	100		
152	49.9	37.6	56.4
154	95.8	70.4	105.6

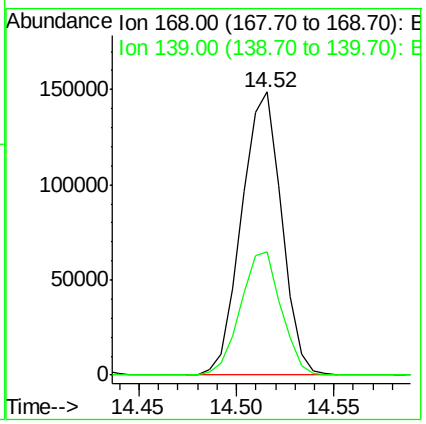




#53
Dibenzofuran
Concen: 9.90 ng/ul
RT: 14.52 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BM010710.D
Acq: 24 Jun 2017 03:14

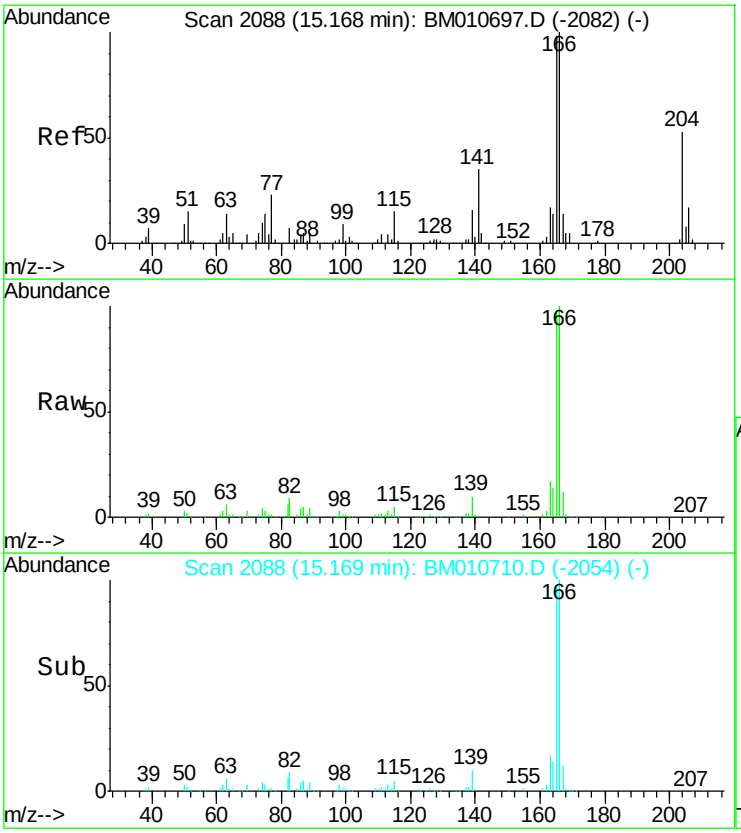
Tgt Ion:168 Resp: 211271

Ion	Ratio	Lower	Upper
168	100		
139	43.7	30.8	46.2



Instrument :
BNA_M
ClientSampleId :
F5C81ME

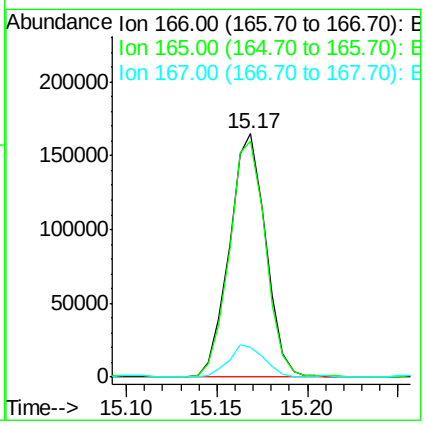
Manual Integrations APPROVED
mohammad
6/28/2017 7:36:23 AM

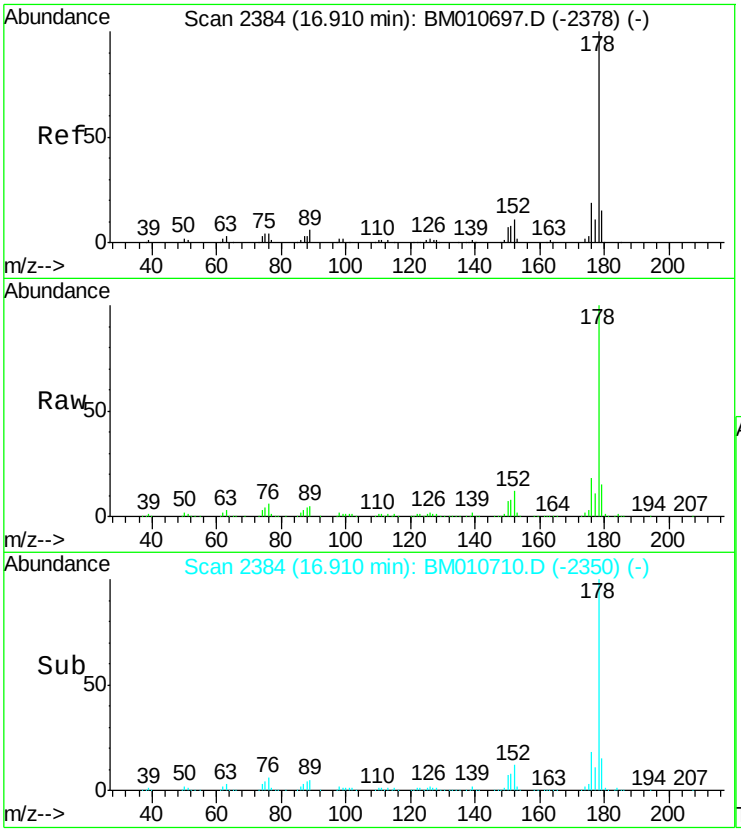


#58
Fluorene
Concen: 12.82 ng/ul
RT: 15.17 min Scan# 2088
Delta R.T. 0.00 min
Lab File: BM010710.D
Acq: 24 Jun 2017 03:14

Tgt Ion:166 Resp: 229183

Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.9	116.9
167	12.4	10.6	16.0

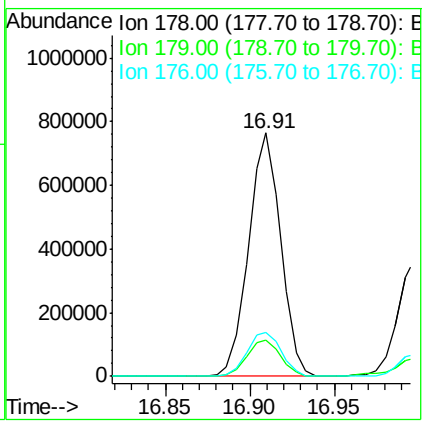




#69
Phenanthrene
Concen: 35.92 ng/ul
RT: 16.91 min Scan# 2384
Delta R.T. 0.00 min
Lab File: BM010710.D
Acq: 24 Jun 2017 03:14

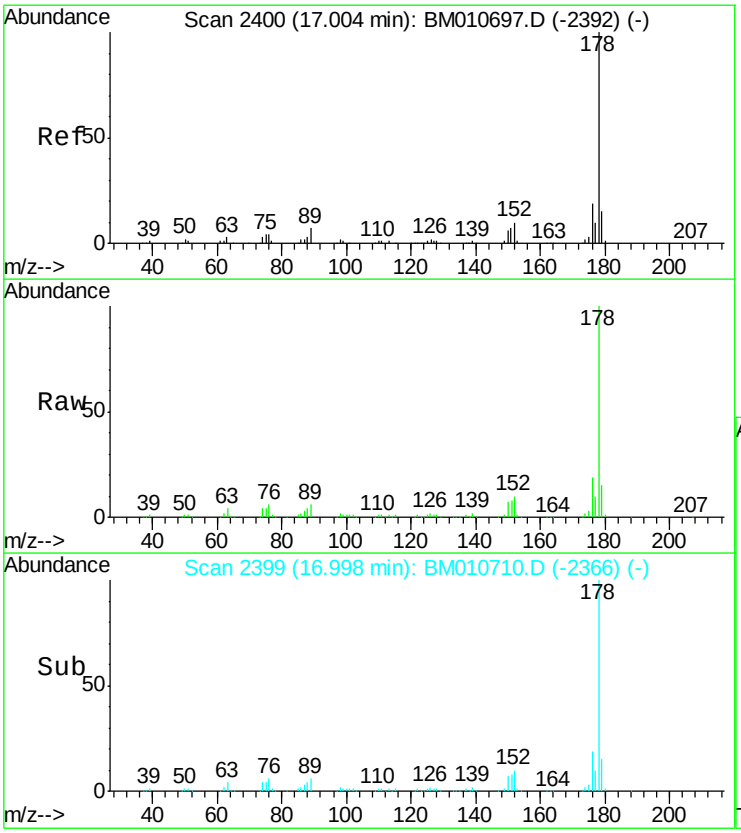
Tgt Ion:178 Resp: 1011714

Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.6	19.0
176	18.2	14.9	22.3



Instrument :
BNA_M
ClientSampleId :
F5C81ME

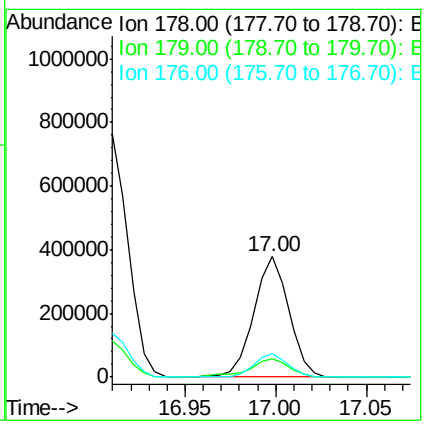
Manual Integrations APPROVED
mohammad
6/28/2017 7:36:23 AM

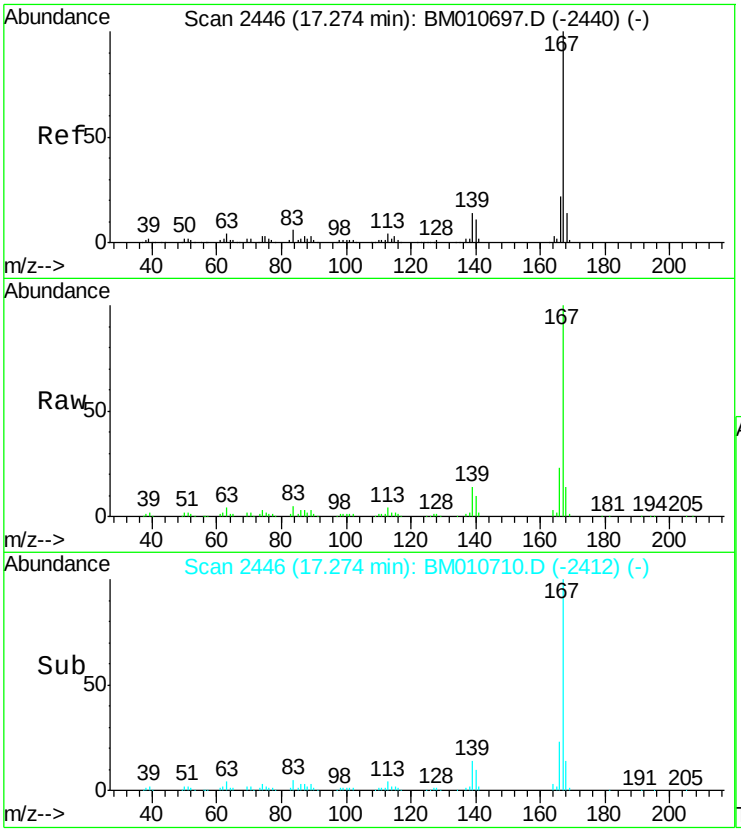


#71
Anthracene
Concen: 17.40 ng/ul
RT: 17.00 min Scan# 2399
Delta R.T. -0.01 min
Lab File: BM010710.D
Acq: 24 Jun 2017 03:14

Tgt Ion:178 Resp: 504751

Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.7	17.5
176	19.0	14.6	21.8

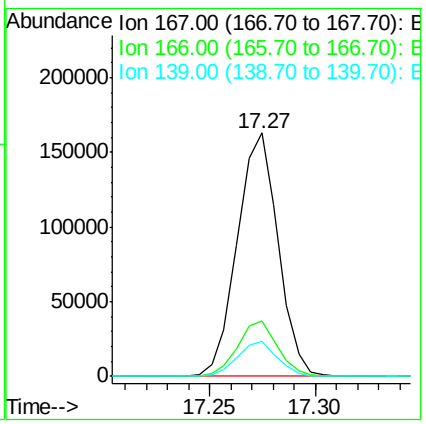




#72
Carbazole
Concen: 8.64 ng/ul
RT: 17.27 min Scan# 2446
Delta R.T. 0.00 min
Lab File: BM010710.D
Acq: 24 Jun 2017 03:14

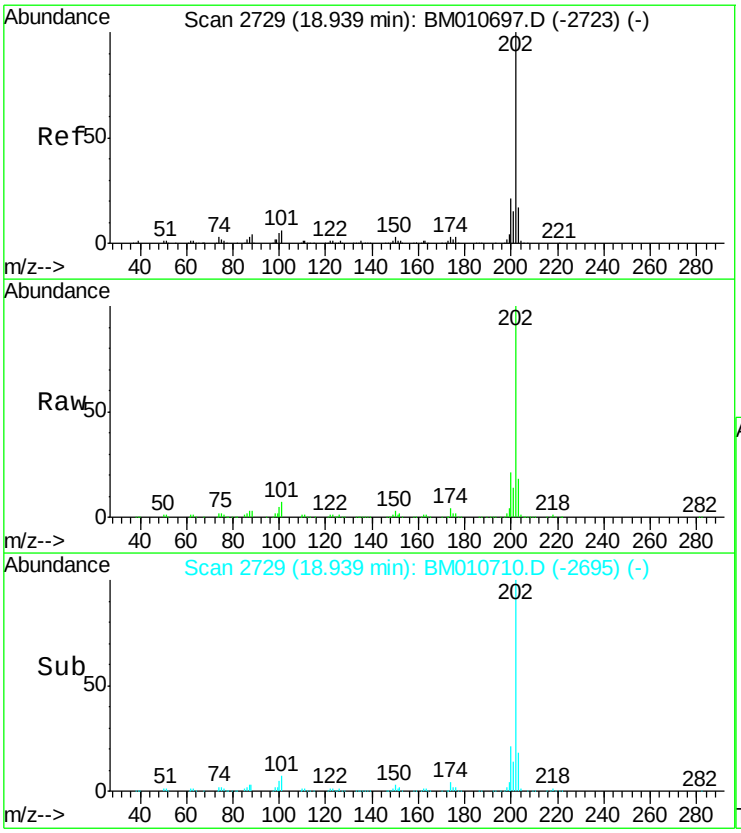
Tgt Ion:167 Resp: 218668

Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.1	25.7
139	14.4	10.0	15.0



Instrument :
BNA_M
ClientSampleId :
F5C81ME

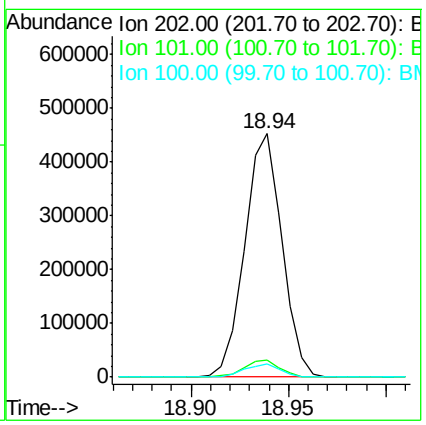
Manual Integrations APPROVED
mohammad
6/28/2017 7:36:23 AM

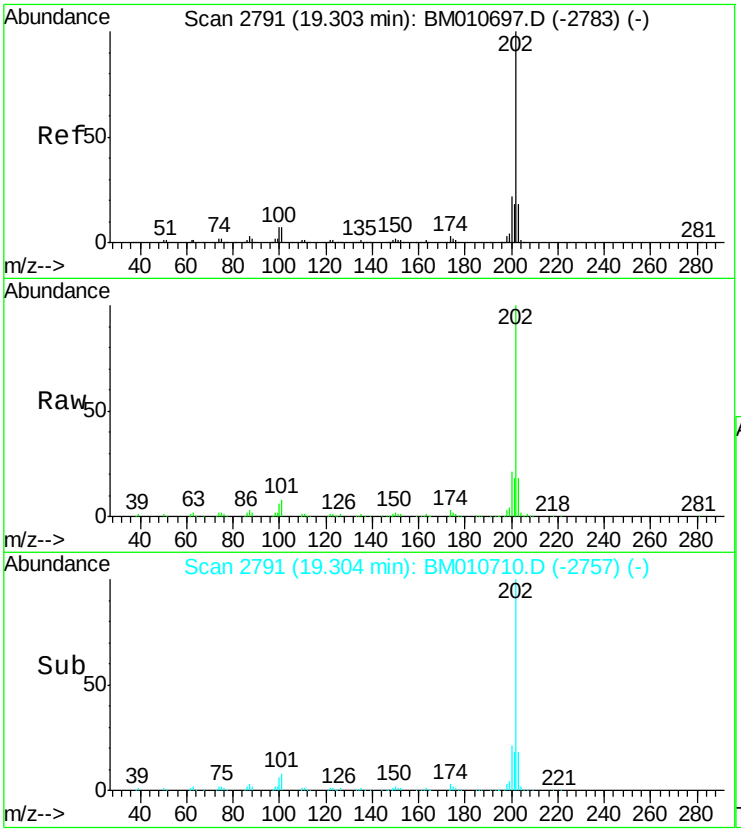


#74
Fluoranthene
Concen: 16.44 ng/ul
RT: 18.94 min Scan# 2729
Delta R.T. 0.00 min
Lab File: BM010710.D
Acq: 24 Jun 2017 03:14

Tgt Ion:202 Resp: 596702

Ion	Ratio	Lower	Upper
202	100		
101	7.2	4.6	7.0#
100	5.4	3.4	5.2#





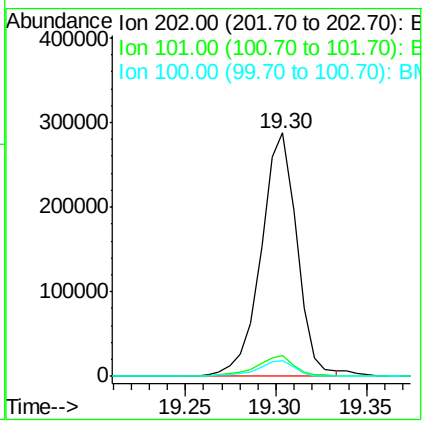
#77
Pyrene
Concen: 11.77 ng/ul
RT: 19.30 min Scan# 2791
Delta R.T. 0.00 min
Lab File: BM010710.D
Acq: 24 Jun 2017 03:14

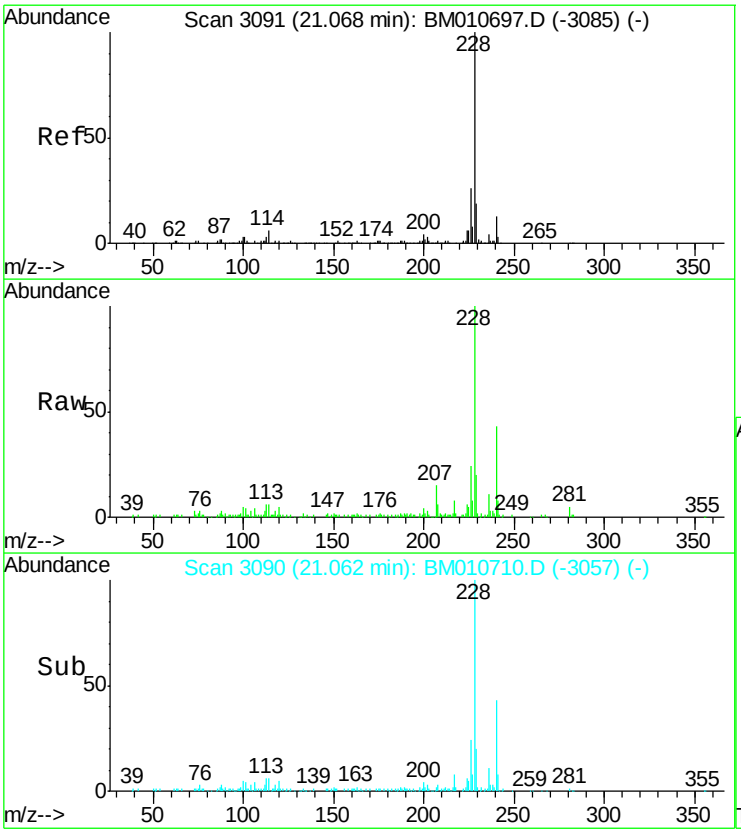
Tgt Ion:202 Resp: 395634

Ion	Ratio	Lower	Upper
202	100		
101	8.3	5.1	7.7#
100	6.4	4.9	7.3

Instrument :
BNA_M
ClientSampleId :
F5C81ME

Manual Integrations APPROVED
mohammad
6/28/2017 7:36:23 AM

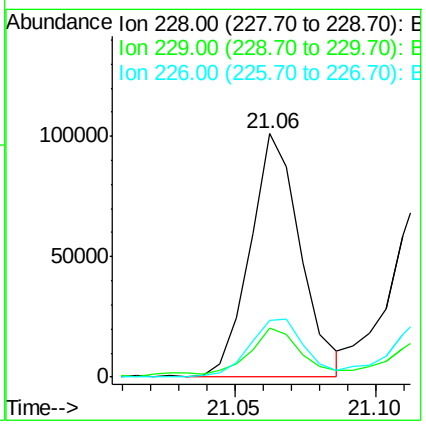


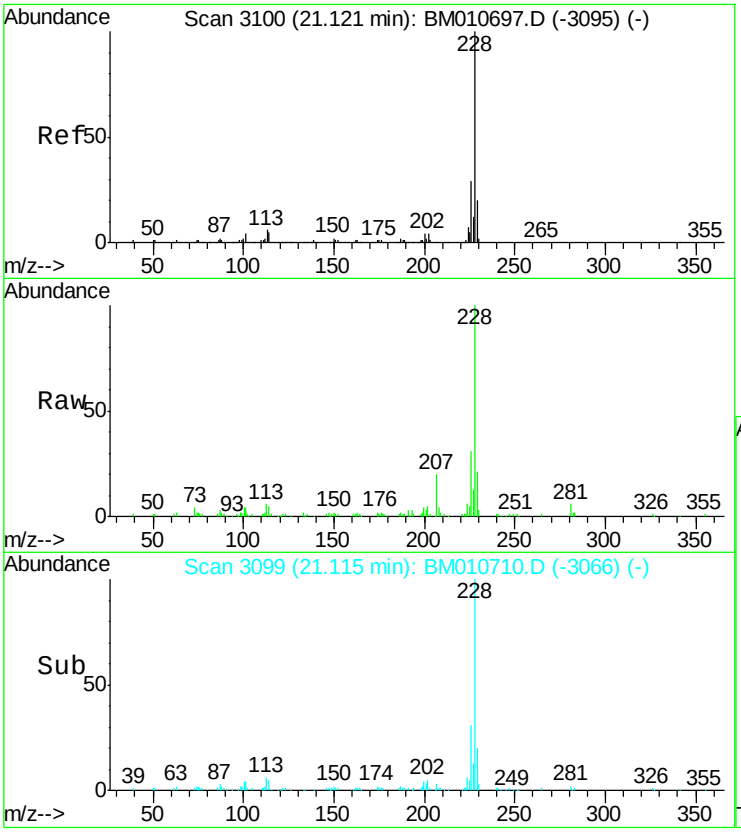


#80
Benzo(a)anthracene
Concen: 3.68 ng/ul
RT: 21.06 min Scan# 3090
Delta R.T. -0.01 min
Lab File: BM010710.D
Acq: 24 Jun 2017 03:14

Tgt Ion:228 Resp: 124647

Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.4	23.0
226	23.5	21.4	32.0

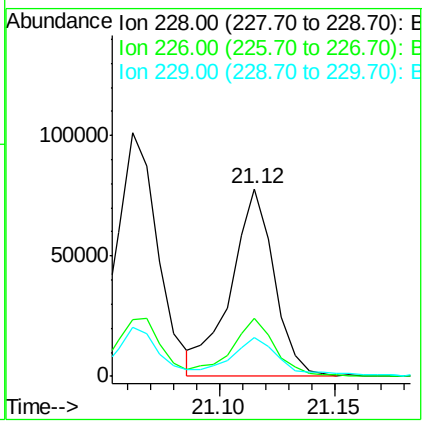




#82
Chrysene
Concen: 3.35 ng/ul
RT: 21.12 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM010710.D
Acq: 24 Jun 2017 03:14

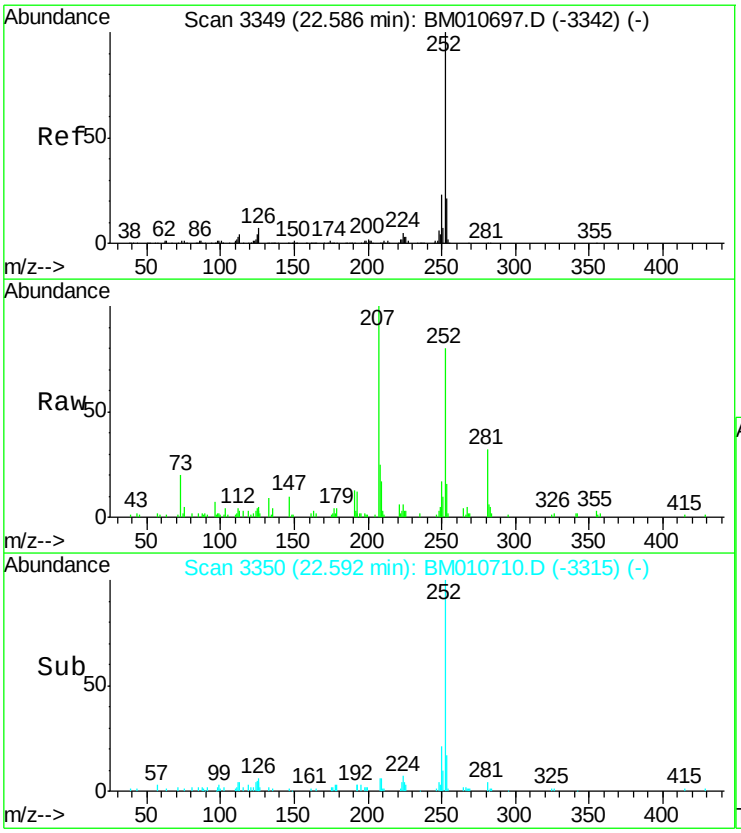
Tgt Ion:228 Resp: 101077

Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.4	35.2
229	20.6	15.5	23.3



Instrument :
BNA_M
ClientSampleId :
F5C81ME

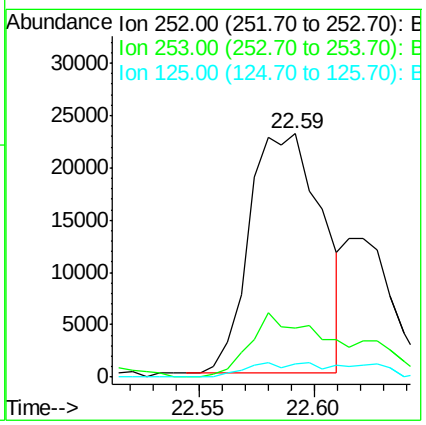
Manual Integrations APPROVED
mohammad
6/28/2017 7:36:23 AM

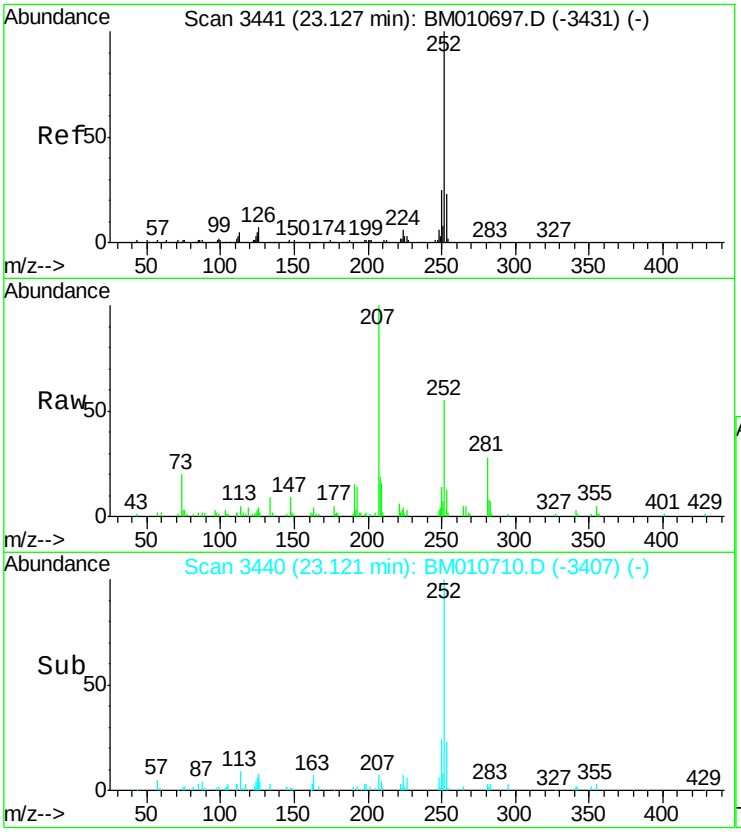


#85
Benzo(b)fluoranthene
Concen: 1.81 ng/ul
RT: 22.59 min Scan# 3350
Delta R.T. 0.01 min
Lab File: BM010710.D
Acq: 24 Jun 2017 03:14

Tgt Ion:252 Resp: 50115

Ion	Ratio	Lower	Upper
252	100		
253	20.1	17.9	26.9
125	9.0	3.6	5.4#

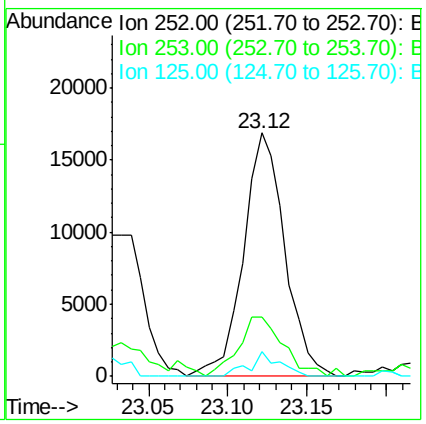




#88
Benzo(a)pyrene
Concen: 1.20 ng/ul
RT: 23.12 min Scan# 3440
Delta R.T. -0.01 min
Lab File: BM010710.D
Acq: 24 Jun 2017 03:14

Tgt Ion:252 Resp: 30592

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.2
125	9.9	4.0	6.0#



Instrument :
BNA_M
ClientSampleId :
F5C81ME

Manual Integrations APPROVED
mohammad
6/28/2017 7:36:23 AM