Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020801.D
Acq On : 07 Jun 2019 13:16
Operator : HP/JU
Sample : K3201-07DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB8DL

Manual Integrations APPROVED
mohammad
6/14/2019 8:41:40 AM

Quant Time: Jun 08 00:54:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jun 08 00:20:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	304464	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1275241	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	741766	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	1634475	20.00	ng/ul	0.00
77) Chrysene-d12	21.38	240	1462935	20.00	ng/ul	0.00
85) Perylene-d12	23.67	264	1667764	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.31	96	10295	1.61	ng/uL	0.00
5) Phenol-d5	6.97	99	161268	6.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	127128	9.10	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	157572	8.49	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	81590	4.35	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	82653	9.50	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	89935	10.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	160972	8.61	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	135062	6.00	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	559982	10.21	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	671520	9.65	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	53696	5.70	ng/ul	0.00
57) Fluorene-d10	15.44	176	462244	9.91	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	26328	3.15	ng/ul	0.00
70) Anthracene-d10	17.29	188	688505	9.64	ng/ul	0.00
78) Pyrene-d10	19.59	212	692133	9.79	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	710497	9.37	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.65	128	99246	1.657	ng/ul	98
34) 2-Methylnaphthalene	12.26	142	59356	1.349	ng/ul	99
44) Dimethylphthalate	13.90	163	254838	4.638	ng/ul	100
47) Acenaphthylene	14.17	152	71988	1.069	ng/ul#	97
49) Acenaphthene	14.51	153	318163	6.771	ng/ul	99
53) Dibenzofuran	14.85	168	262244	3.946	ng/ul	99
58) Fluorene	15.50	166	310932	5.827	ng/ul	99
69) Phenanthrene	17.24	178	4567371	55.524	ng/ul	99
71) Anthracene	17.33	178	1083660	12.852	ng/ul	99
74) Carbazole	17.60	167	412725	5.629	ng/ul	97
76) Fluoranthene	19.26	202	4998030	53.020	ng/ul	99
79) Pyrene	19.62	202	4368415	48.374	ng/ul	99
82) Benzo(a)anthracene	21.36	228	2251202	24.668	ng/ul	98
84) Chrysene	21.42	228	1933847	22.837	ng/ul	97
87) Benzo(b)fluoranthene	22.98	252	2318051	23.893	ng/ul	98
88) Benzo(k)fluoranthene	23.02	252	687221m	7.411	ng/ul	
90) Benzo(a)pyrene	23.57	252	1681958	18.222	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.98	276	957869	8.786	ng/ul	97
92) Dibenzo(a,h)anthracene	25.98	278	281856	3.051	ng/ul#	87
93) Benzo(g,h,i)perylene	26.69	276	739648	8.363	ng/ul	98

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

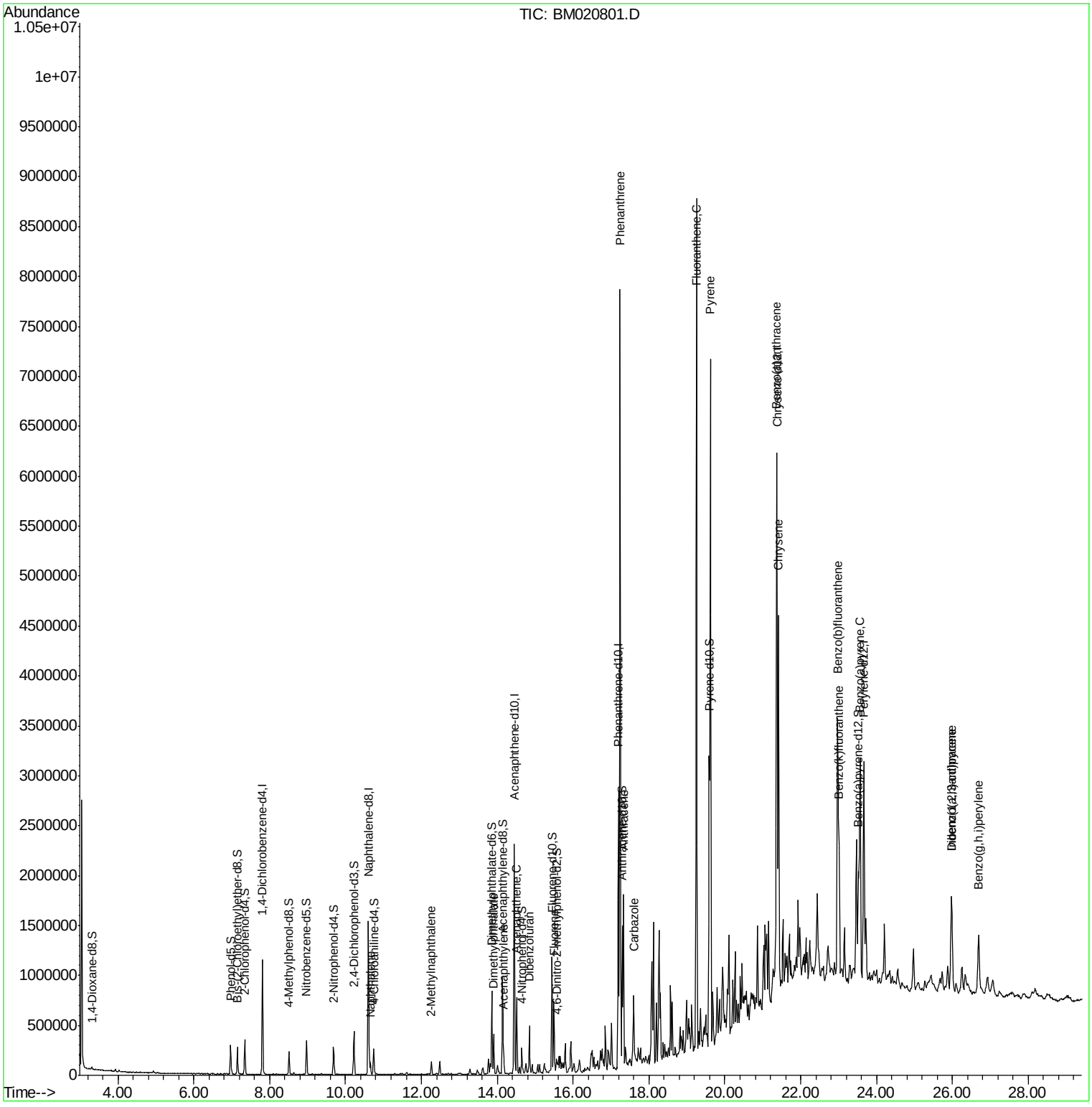
Quantitation Report (LSC Reviewed)

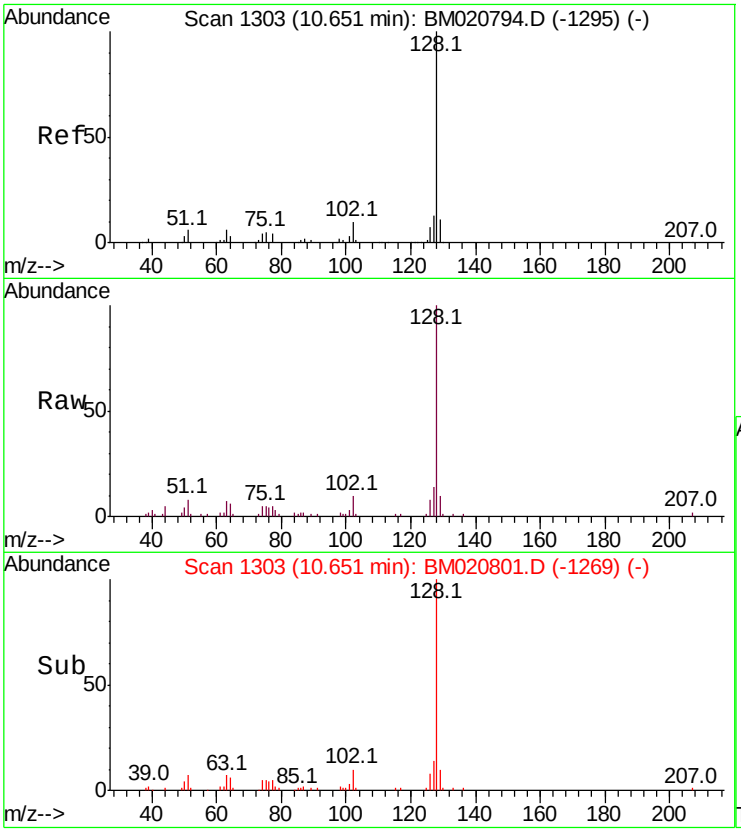
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020801.D
Acq On : 07 Jun 2019 13:16
Operator : HP/JU
Sample : K3201-07DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 08 00:54:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jun 08 00:20:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AB8DL

Manual Integrations APPROVED
mohammad
6/14/2019 8:41:40 AM

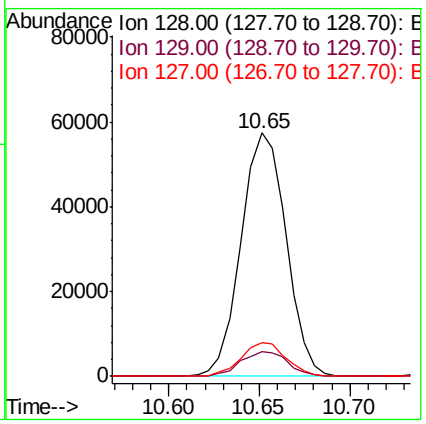




#28
Naphthalene
Concen: 1.657 ng/ul
RT: 10.65 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM020801.D
Acq: 07 Jun 2019 13:16

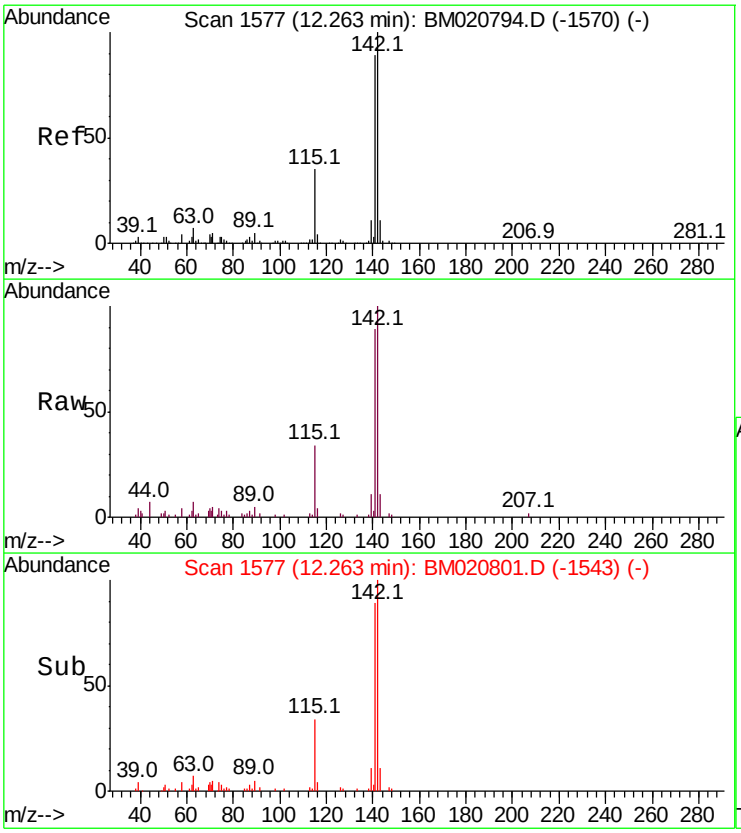
Tgt Ion:128 Resp: 99246

Ion	Ratio	Lower	Upper
128	100		
129	10.0	8.6	13.0
127	13.8	10.2	15.2



Instrument :
BNA_M
ClientSampleId :
C0AB8DL

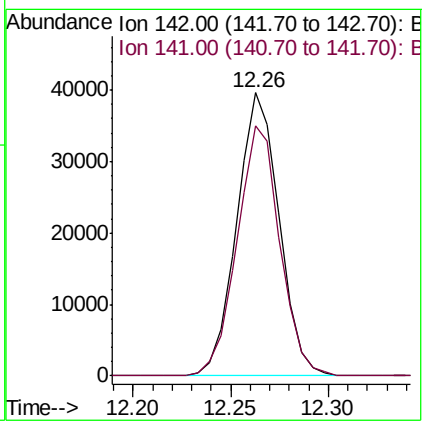
Manual Integrations APPROVED
mohammad
6/14/2019 8:41:40 AM

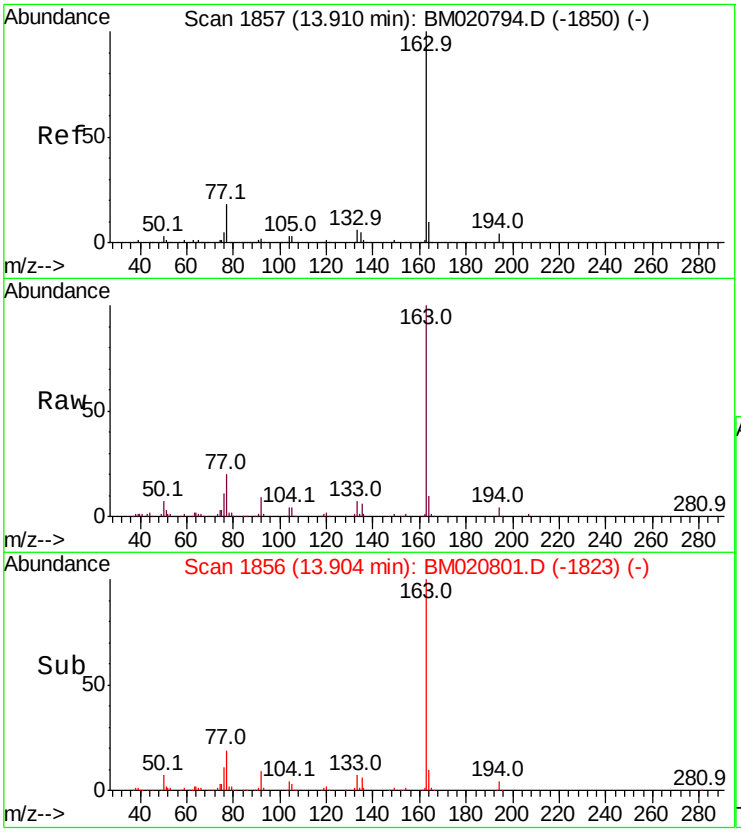


#34
2-Methylnaphthalene
Concen: 1.349 ng/ul
RT: 12.26 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BM020801.D
Acq: 07 Jun 2019 13:16

Tgt Ion:142 Resp: 59356

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.4	107.0

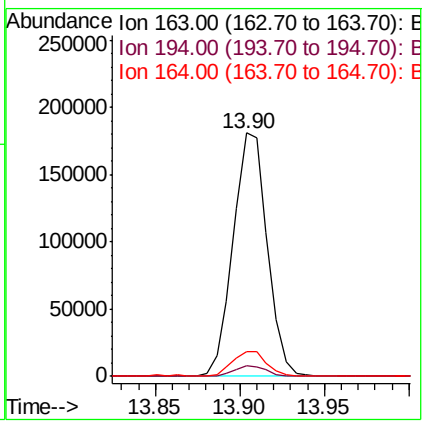




#44
Dimethylphthalate
Concen: 4.638 ng/ul
RT: 13.90 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BM020801.D
Acq: 07 Jun 2019 13:16

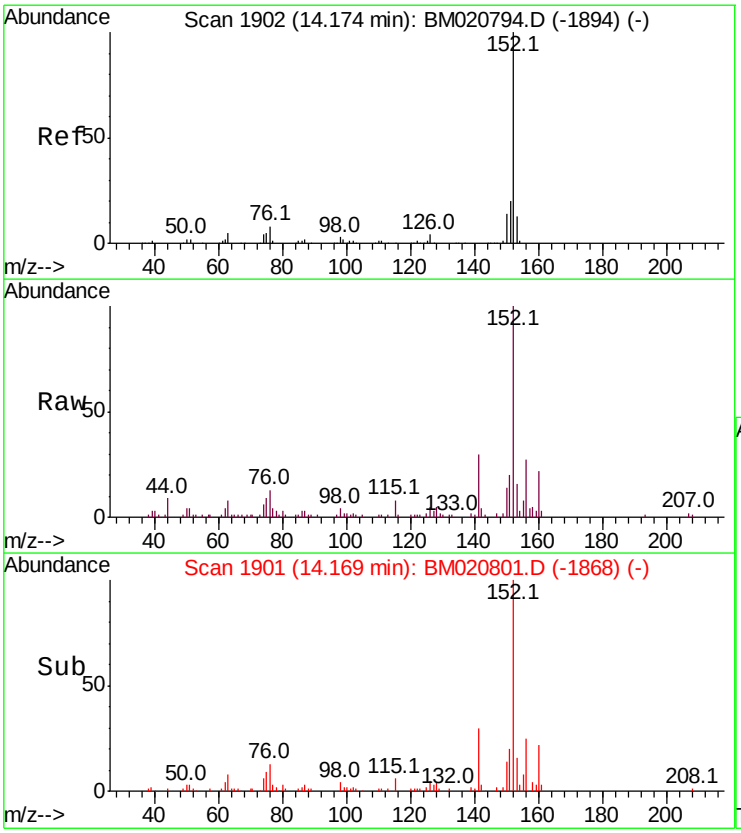
Tgt Ion:163 Resp: 254838

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.2	4.8
164	10.1	8.0	12.0



Instrument :
BNA_M
ClientSampleId :
C0AB8DL

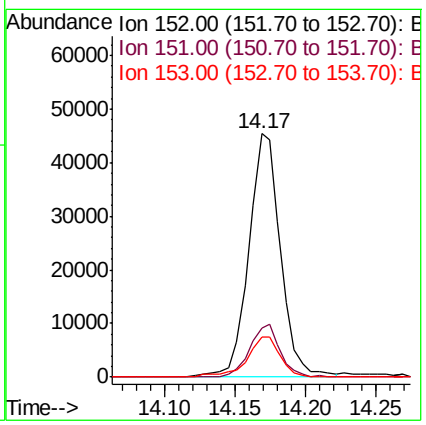
Manual Integrations APPROVED
mohammad
6/14/2019 8:41:40 AM

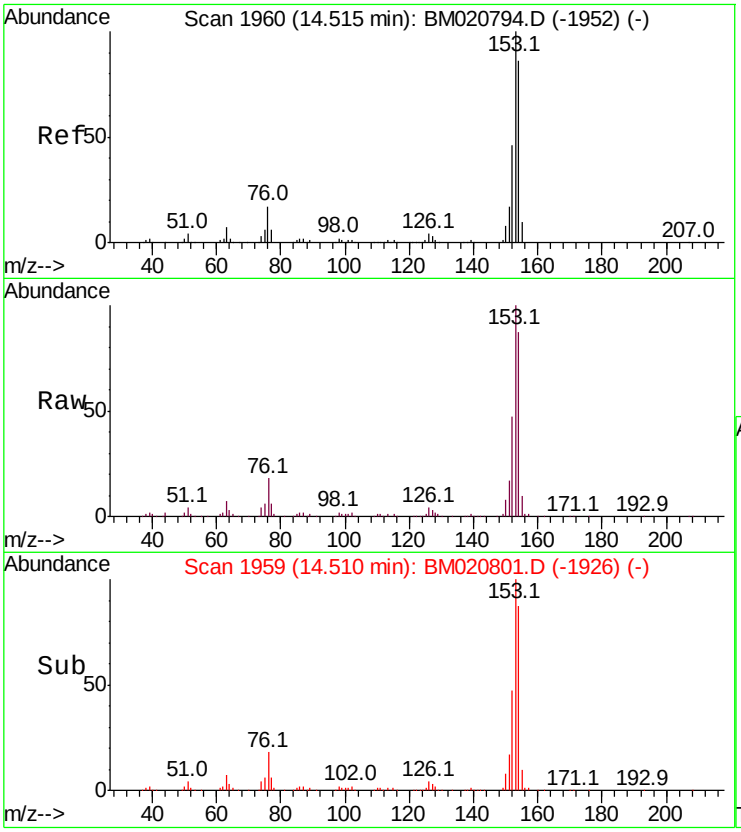


#47
Acenaphthylene
Concen: 1.069 ng/ul
RT: 14.17 min Scan# 1901
Delta R.T. -0.01 min
Lab File: BM020801.D
Acq: 07 Jun 2019 13:16

Tgt Ion:152 Resp: 71988

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.2
153	16.2	10.6	15.8#

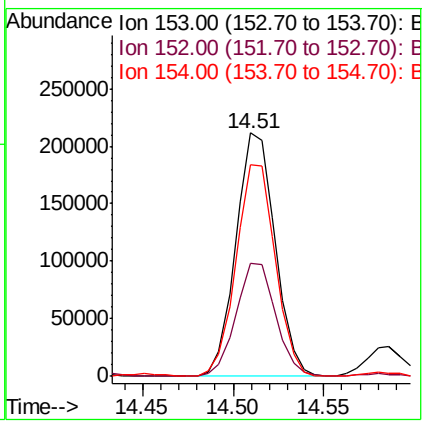




#49
Acenaphthene
Concen: 6.771 ng/ul
RT: 14.51 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BM020801.D
Acq: 07 Jun 2019 13:16

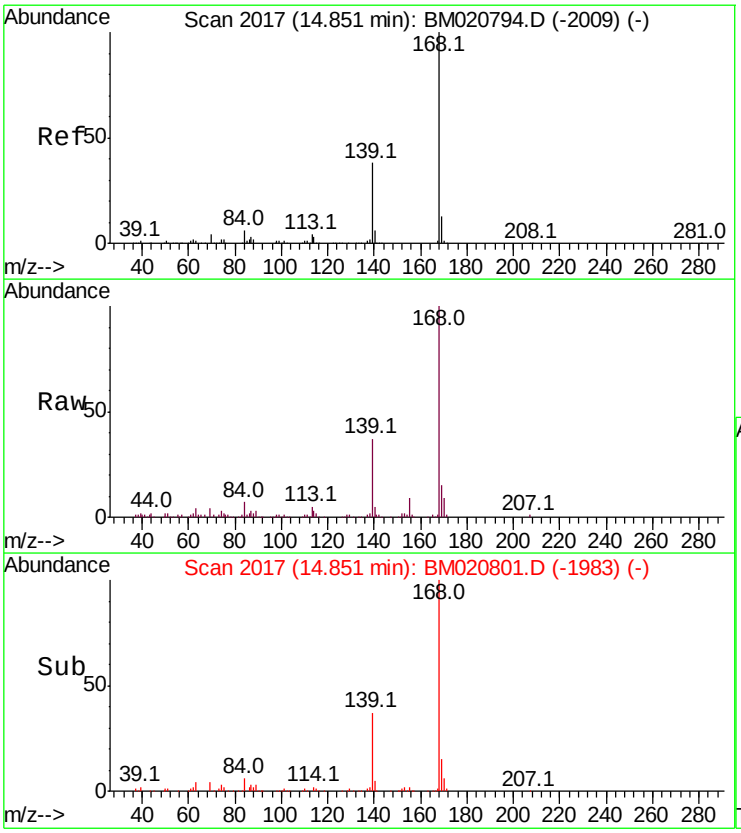
Tgt Ion:153 Resp: 318163

Ion	Ratio	Lower	Upper
153	100		
152	46.6	37.3	55.9
154	87.1	68.7	103.1



Instrument :
BNA_M
ClientSampleId :
C0AB8DL

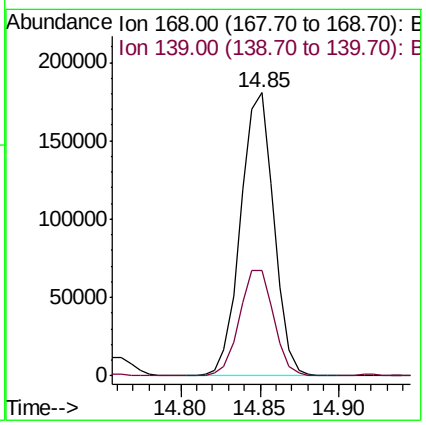
Manual Integrations APPROVED
mohammad
6/14/2019 8:41:40 AM

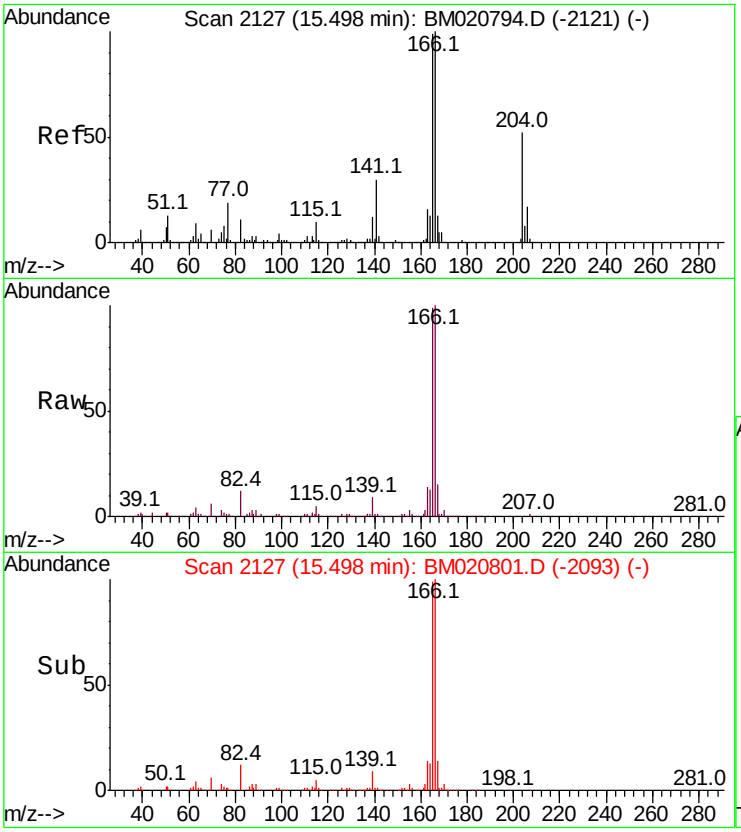


#53
Dibenzofuran
Concen: 3.946 ng/ul
RT: 14.85 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BM020801.D
Acq: 07 Jun 2019 13:16

Tgt Ion:168 Resp: 262244

Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.4	45.6

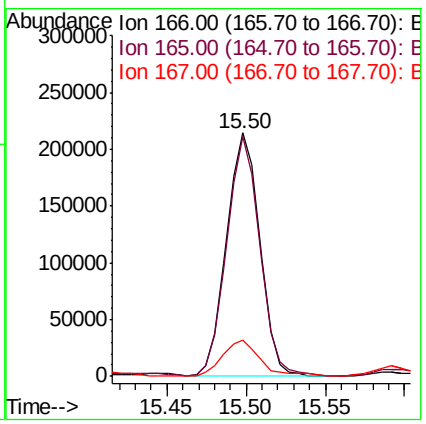




#58
Fluorene
Concen: 5.827 ng/ul
RT: 15.50 min Scan# 2127
Delta R.T. 0.00 min
Lab File: BM020801.D
Acq: 07 Jun 2019 13:16

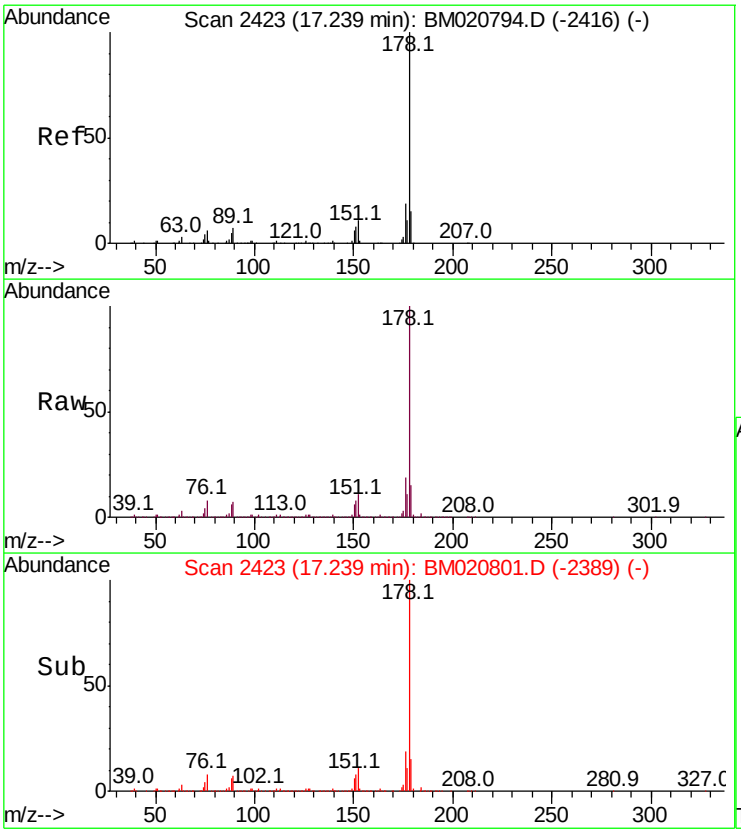
Tgt Ion:166 Resp: 310932

Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.6	117.8
167	14.7	10.8	16.2



Instrument :
BNA_M
ClientSampleId :
C0AB8DL

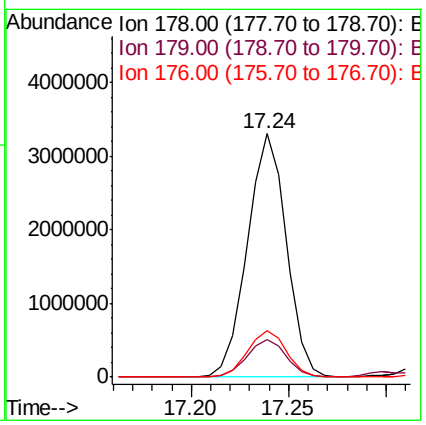
Manual Integrations APPROVED
mohammad
6/14/2019 8:41:40 AM

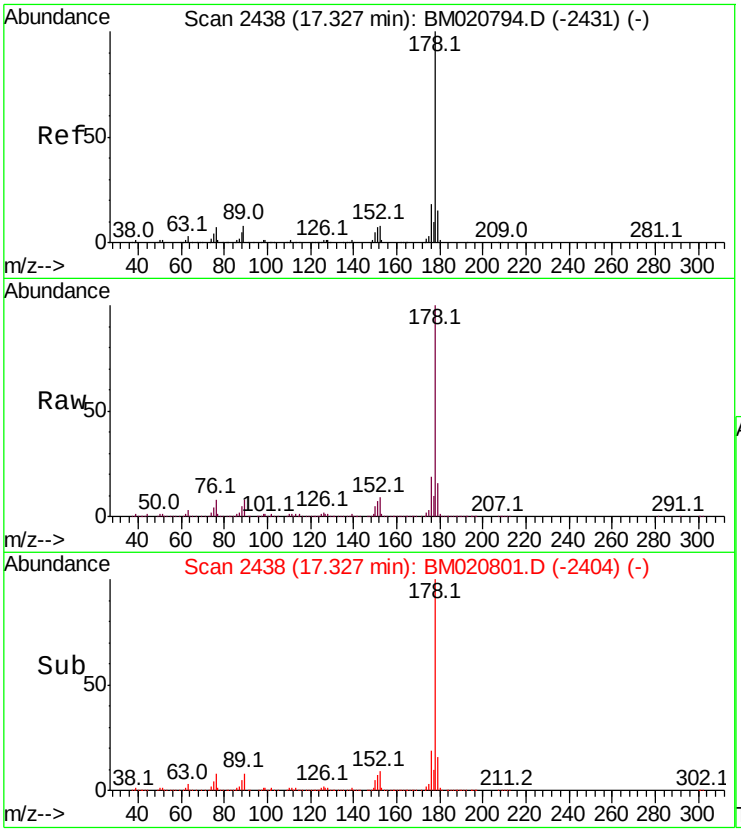


#69
Phenanthrene
Concen: 55.524 ng/ul
RT: 17.24 min Scan# 2423
Delta R.T. 0.00 min
Lab File: BM020801.D
Acq: 07 Jun 2019 13:16

Tgt Ion:178 Resp: 4567371

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	19.3	14.8	22.2

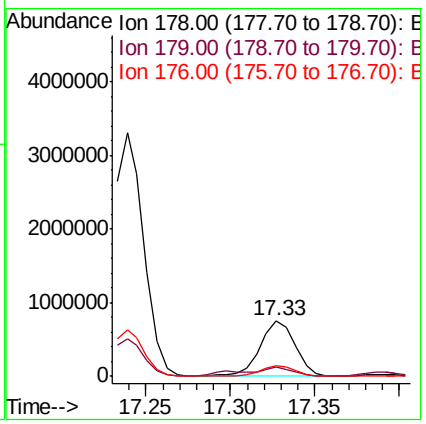




#71
Anthracene
Concen: 12.852 ng/ul
RT: 17.33 min Scan# 2438
Delta R.T. 0.00 min
Lab File: BM020801.D
Acq: 07 Jun 2019 13:16

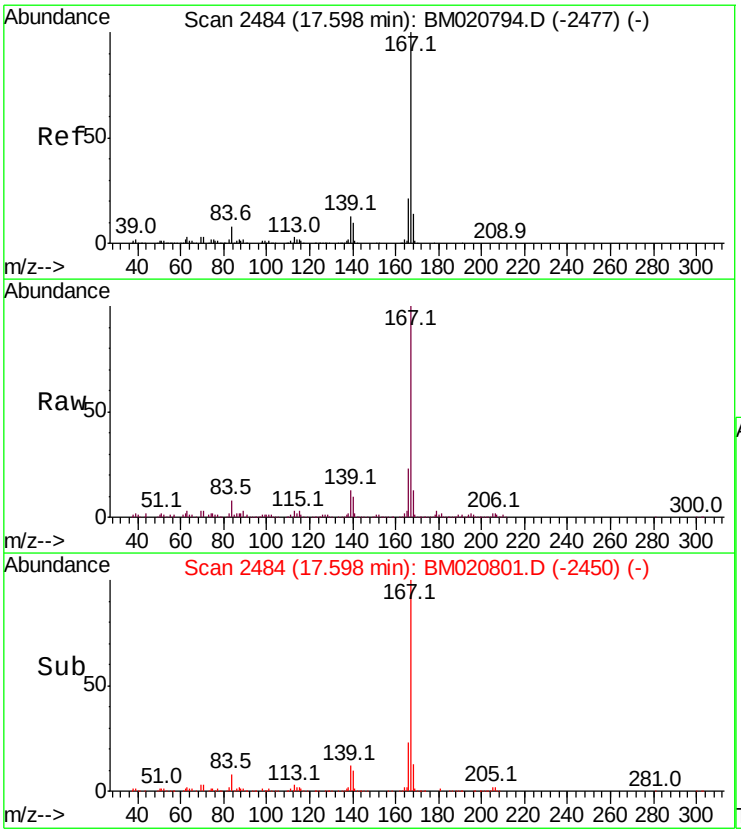
Tgt Ion:178 Resp: 1083660

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.1	18.1
176	18.8	14.9	22.3



Instrument :
BNA_M
ClientSampleId :
C0AB8DL

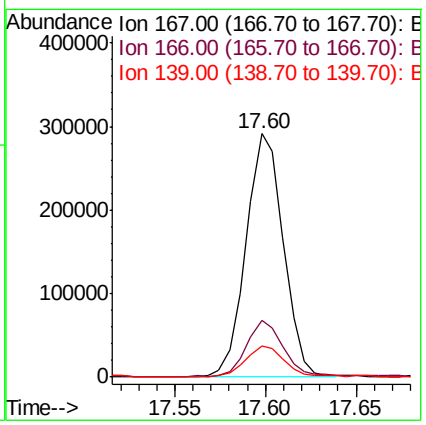
Manual Integrations APPROVED
mohammad
6/14/2019 8:41:40 AM

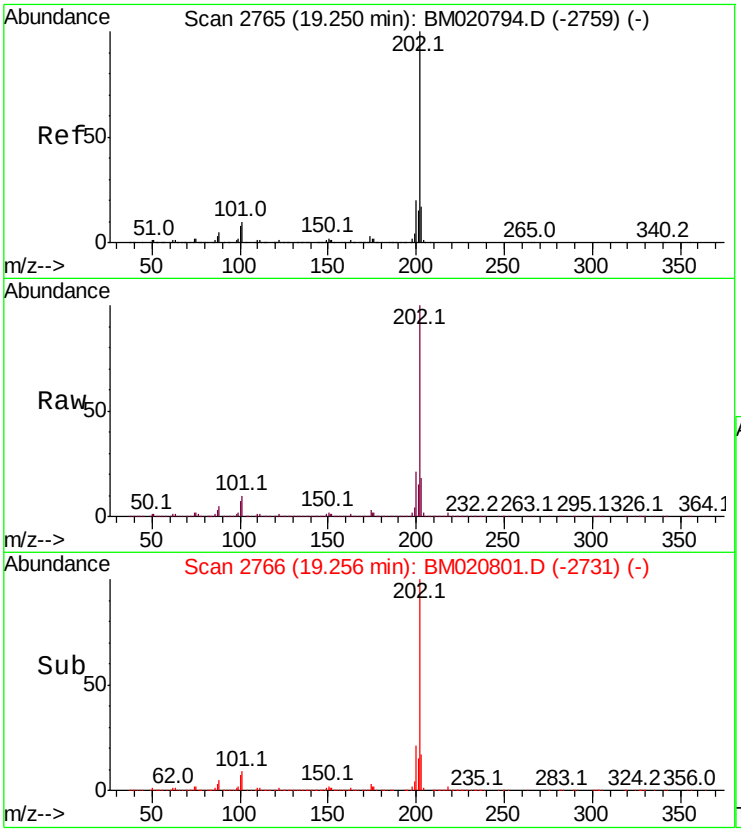


#74
Carbazole
Concen: 5.629 ng/ul
RT: 17.60 min Scan# 2484
Delta R.T. 0.00 min
Lab File: BM020801.D
Acq: 07 Jun 2019 13:16

Tgt Ion:167 Resp: 412725

Ion	Ratio	Lower	Upper
167	100		
166	23.2	17.0	25.6
139	12.9	10.5	15.7

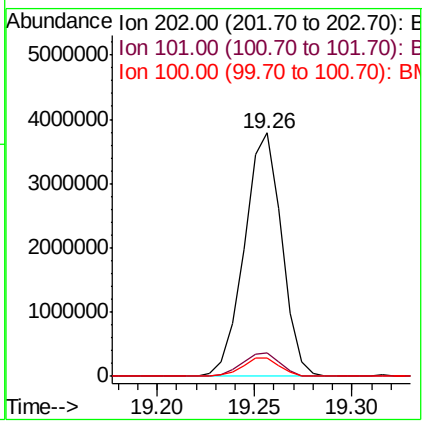




#76
Fluoranthene
Concen: 53.020 ng/ul
RT: 19.26 min Scan# 2766
Delta R.T. 0.01 min
Lab File: BM020801.D
Acq: 07 Jun 2019 13:16

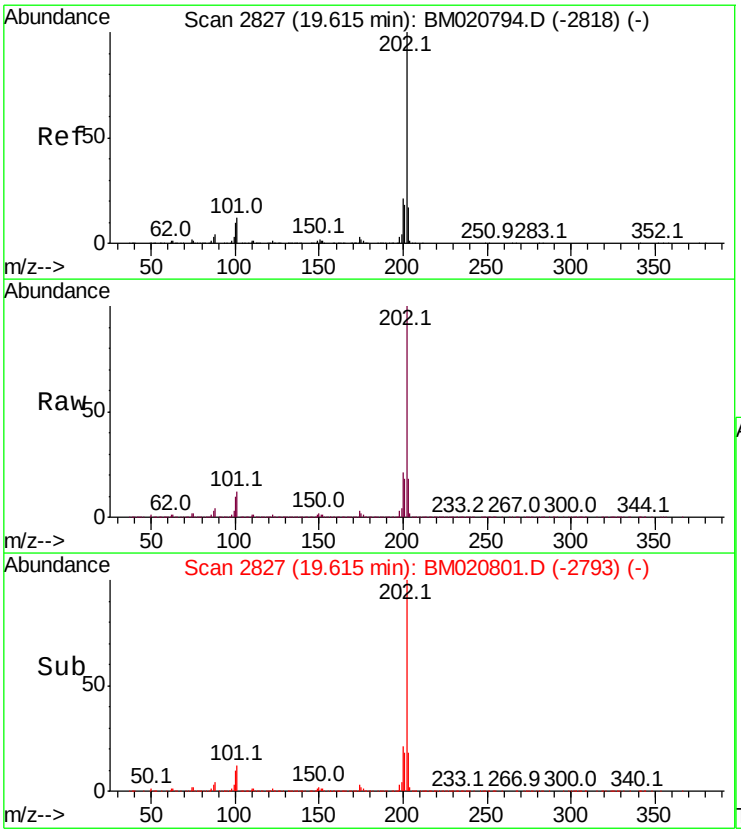
Tgt Ion:202 Resp: 4998030

Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.9	11.9
100	7.3	6.2	9.4



Instrument :
BNA_M
ClientSampleId :
C0AB8DL

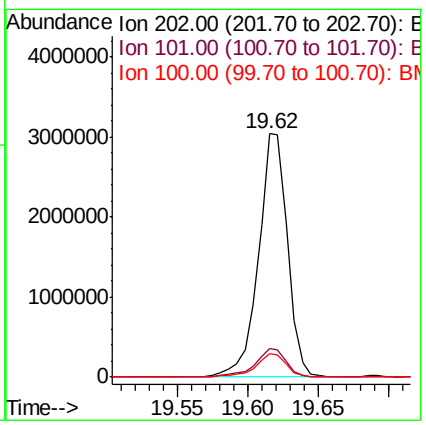
Manual Integrations APPROVED
mohammad
6/14/2019 8:41:40 AM

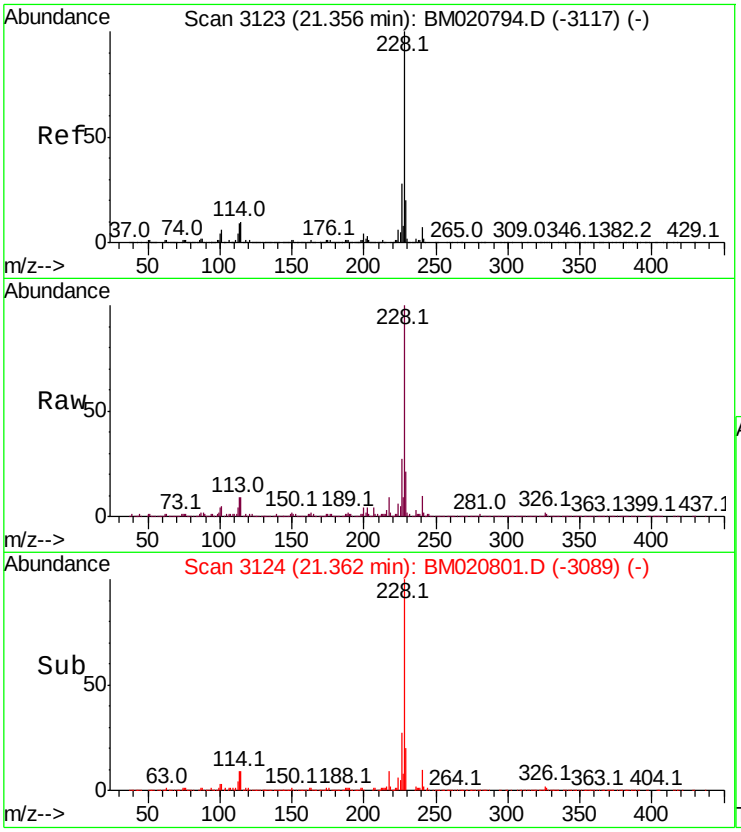


#79
Pyrene
Concen: 48.374 ng/ul
RT: 19.62 min Scan# 2827
Delta R.T. 0.00 min
Lab File: BM020801.D
Acq: 07 Jun 2019 13:16

Tgt Ion:202 Resp: 4368415

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.8	14.6
100	9.9	8.0	12.0

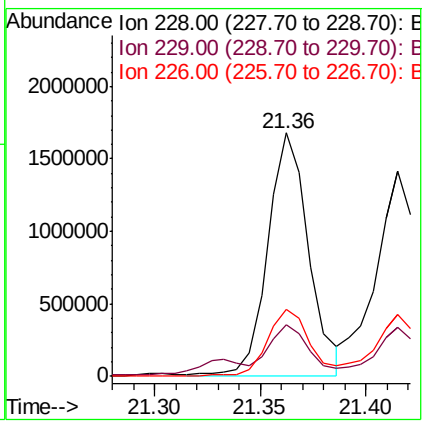




#82
Benzo(a)anthracene
Concen: 24.668 ng/ul
RT: 21.36 min Scan# 3124
Delta R.T. 0.01 min
Lab File: BM020801.D
Acq: 07 Jun 2019 13:16

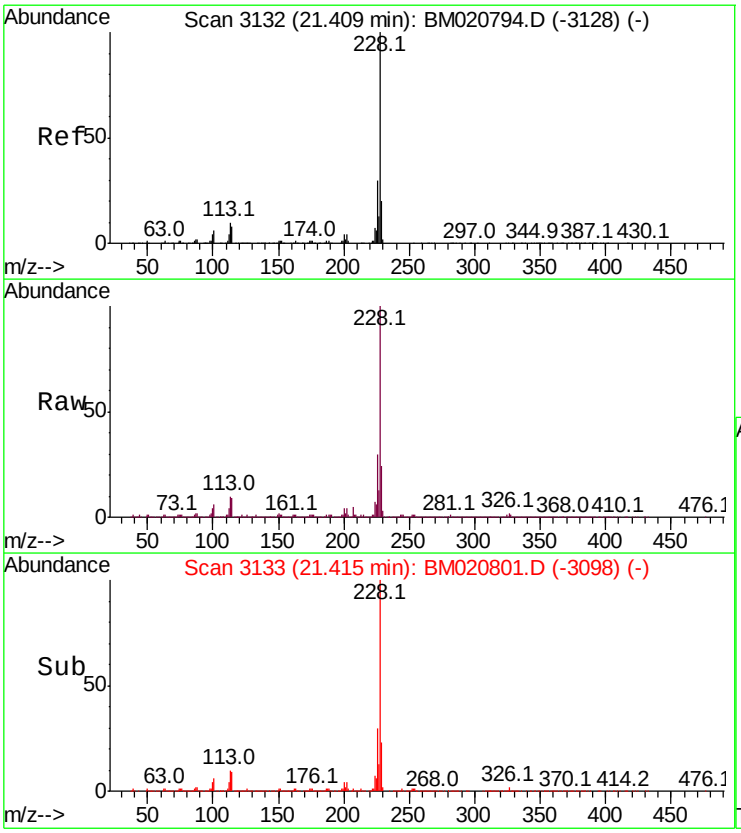
Tgt Ion:228 Resp: 2251202

Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.6	23.4
226	27.4	21.4	32.2



Instrument :
BNA_M
ClientSampleId :
C0AB8DL

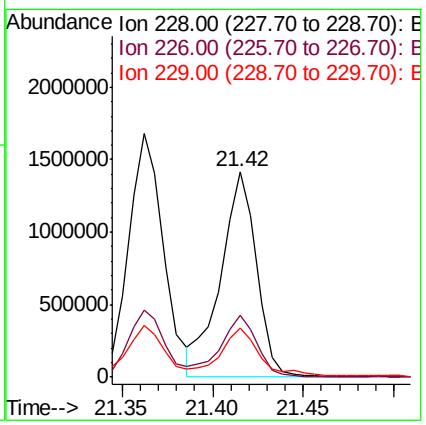
Manual Integrations APPROVED
mohammad
6/14/2019 8:41:40 AM

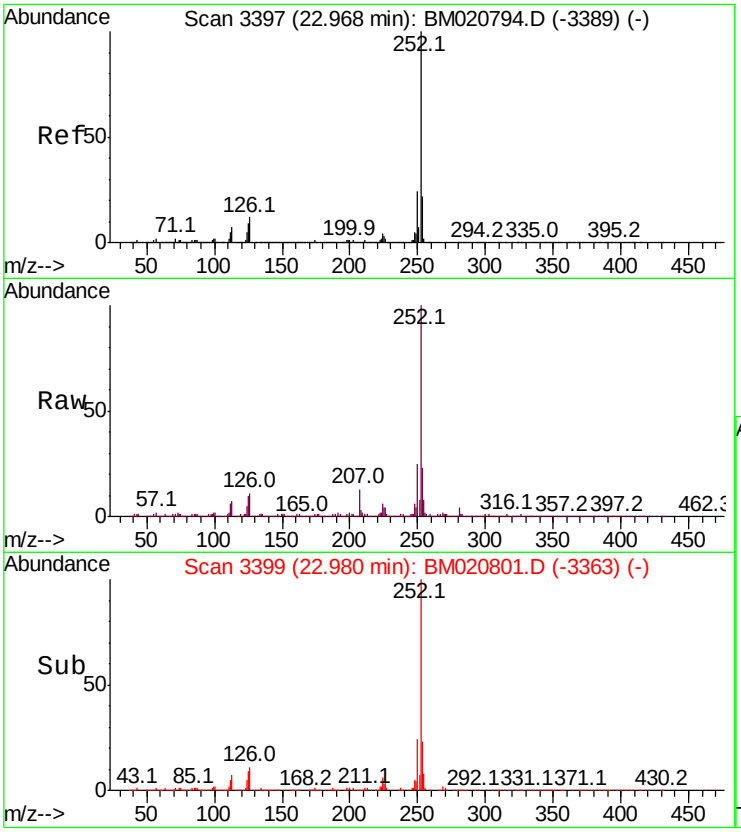


#84
Chrysene
Concen: 22.837 ng/ul
RT: 21.42 min Scan# 3133
Delta R.T. 0.01 min
Lab File: BM020801.D
Acq: 07 Jun 2019 13:16

Tgt Ion:228 Resp: 1933847

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.4	36.6
229	23.7	16.2	24.2

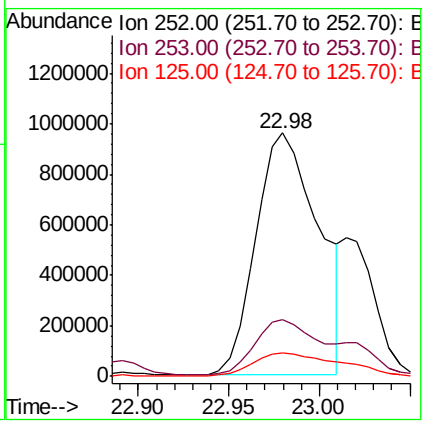




#87
Benzo(b)fluoranthene
Concen: 23.893 ng/ul
RT: 22.98 min Scan# 3399
Delta R.T. 0.01 min
Lab File: BM020801.D
Acq: 07 Jun 2019 13:16

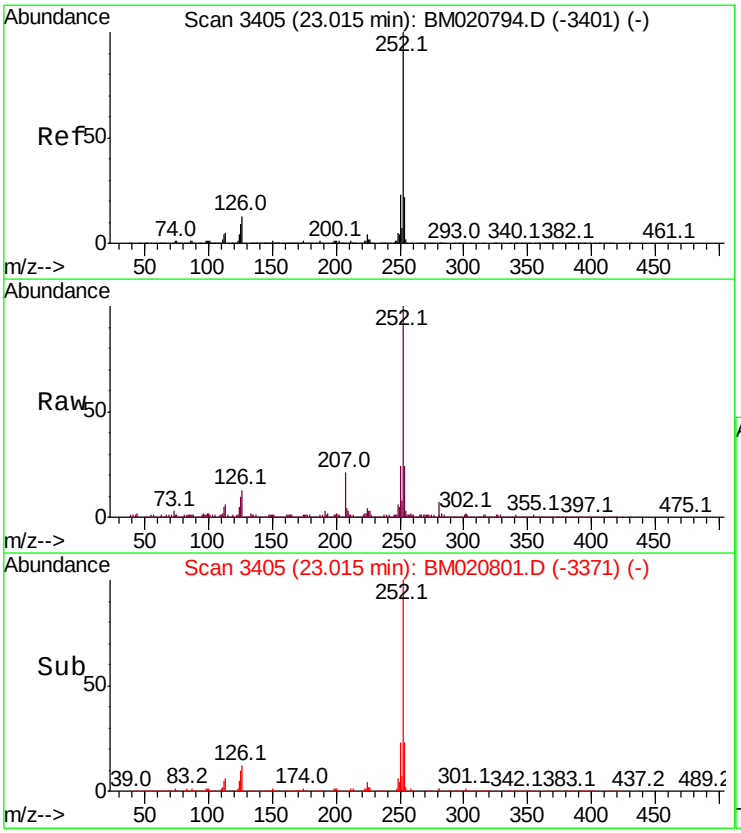
Tgt Ion:252 Resp: 2318051

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	9.8	7.3	10.9



Instrument :
BNA_M
ClientSampleId :
C0AB8DL

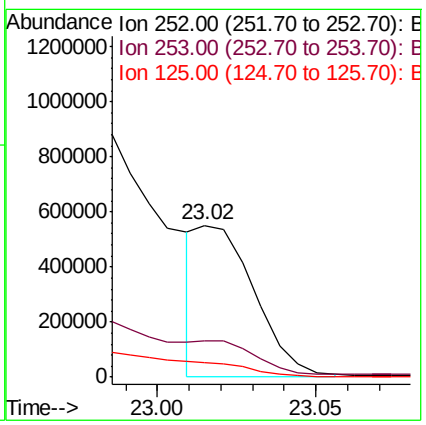
Manual Integrations APPROVED
mohammad
6/14/2019 8:41:40 AM

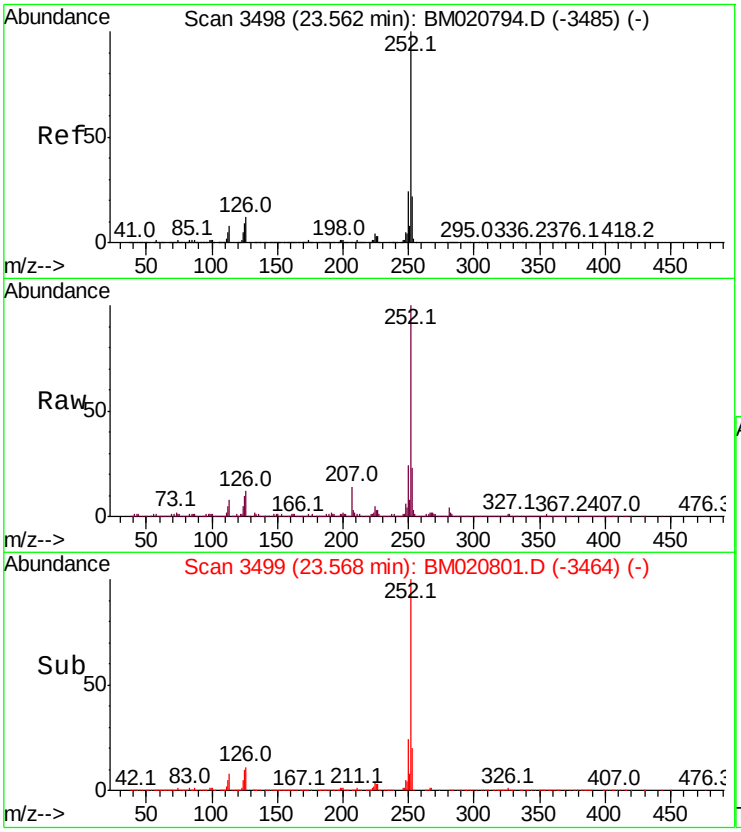


#88
Benzo(k)fluoranthene
Concen: 7.411 ng/ul m
RT: 23.02 min Scan# 3405
Delta R.T. 0.00 min
Lab File: BM020801.D
Acq: 07 Jun 2019 13:16

Tgt Ion:252 Resp: 687221

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.6	26.4
125	9.9	7.3	10.9

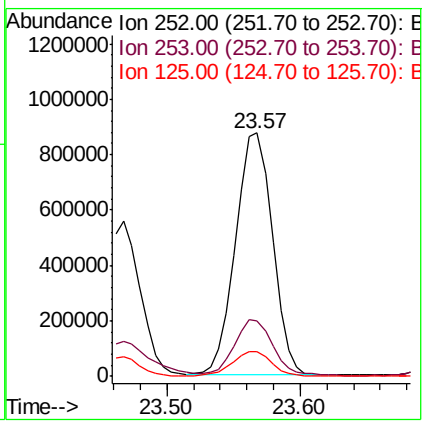




#90
Benzo(a)pyrene
Concen: 18.222 ng/ul
RT: 23.57 min Scan# 3499
Delta R.T. 0.01 min
Lab File: BM020801.D
Acq: 07 Jun 2019 13:16

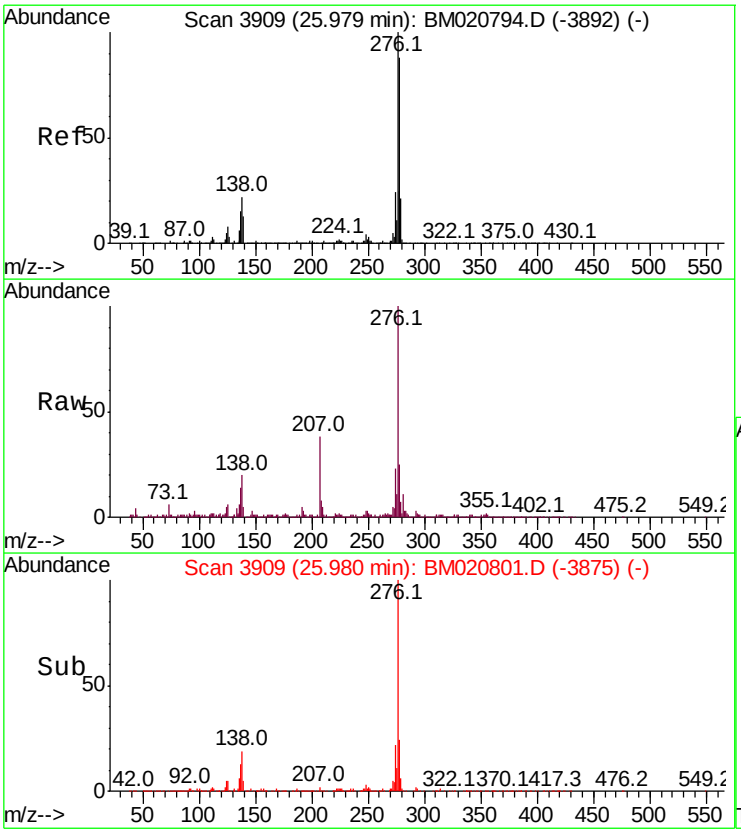
Tgt Ion:252 Resp: 1681958

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	10.1	8.2	12.4



Instrument :
BNA_M
ClientSampleId :
C0AB8DL

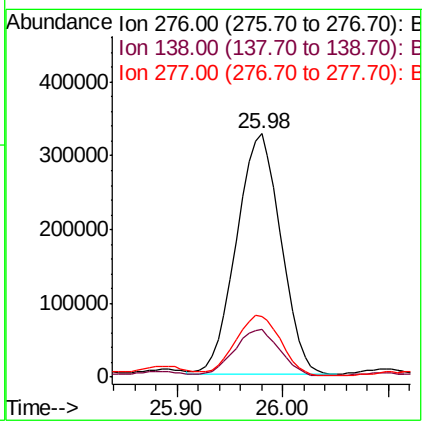
Manual Integrations APPROVED
mohammad
6/14/2019 8:41:40 AM

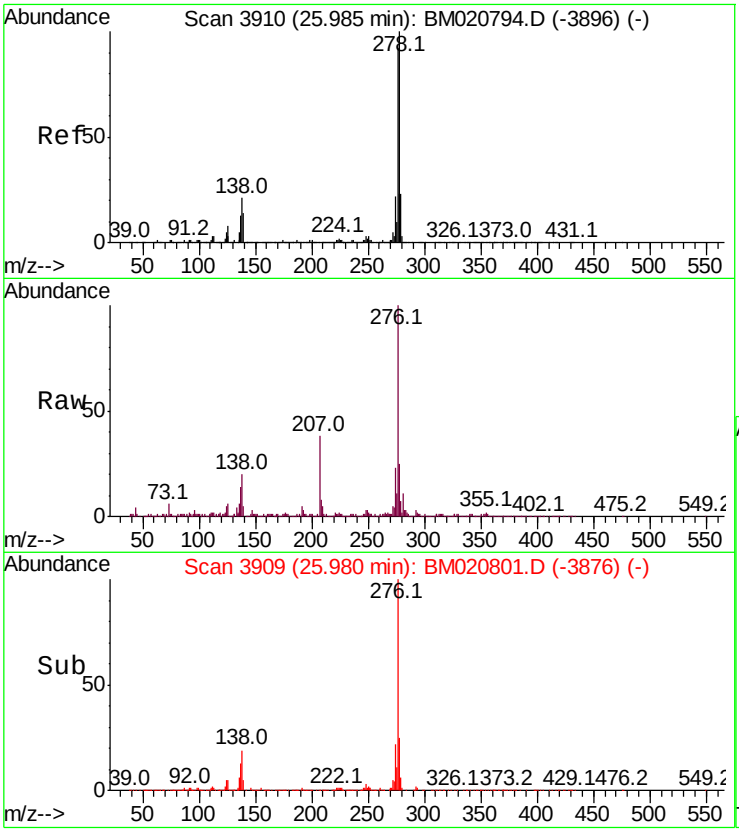


#91
Indeno(1,2,3-cd)pyrene
Concen: 8.786 ng/ul
RT: 25.98 min Scan# 3909
Delta R.T. 0.00 min
Lab File: BM020801.D
Acq: 07 Jun 2019 13:16

Tgt Ion:276 Resp: 957869

Ion	Ratio	Lower	Upper
276	100		
138	19.7	17.8	26.8
277	25.0	20.0	30.0

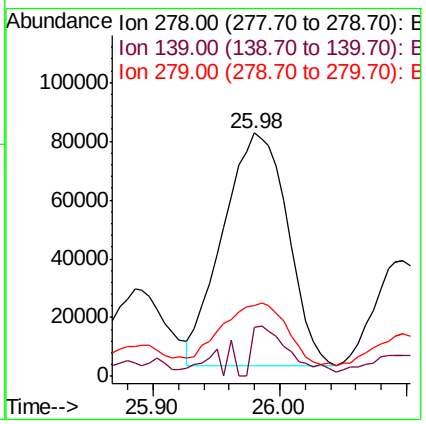




#92
Dibenzo(a,h)anthracene
Concen: 3.051 ng/ul
RT: 25.98 min Scan# 3909
Delta R.T. -0.01 min
Lab File: BM020801.D
Acq: 07 Jun 2019 13:16

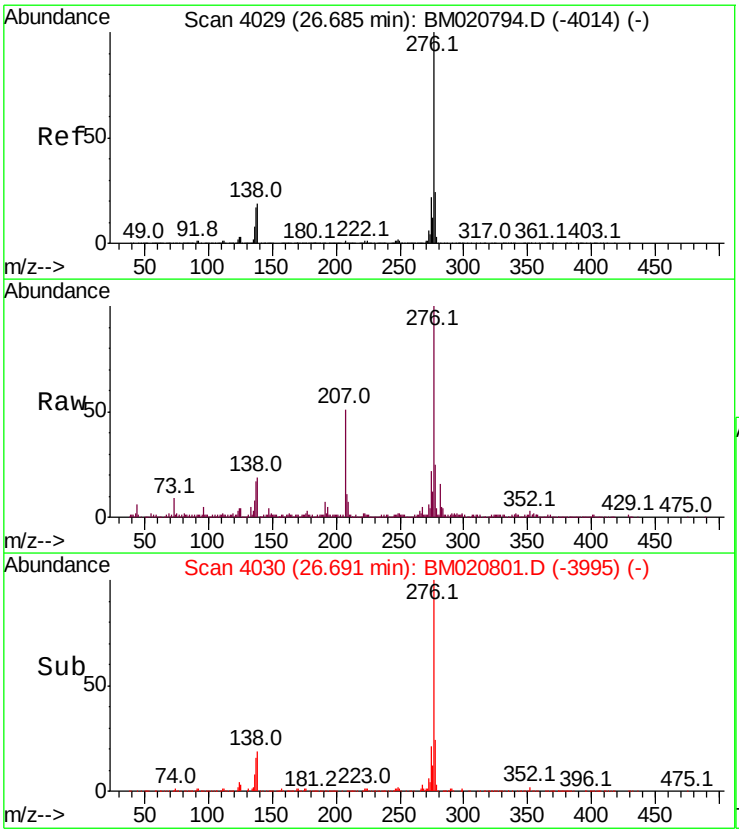
Tgt Ion:278 Resp: 281856

Ion	Ratio	Lower	Upper
278	100		
139	20.4	11.6	17.4#
279	29.0	18.6	28.0#



Instrument :
BNA_M
ClientSampleId :
C0AB8DL

Manual Integrations APPROVED
mohammad
6/14/2019 8:41:40 AM



#93
Benzo(g,h,i)perylene
Concen: 8.363 ng/ul
RT: 26.69 min Scan# 4030
Delta R.T. 0.01 min
Lab File: BM020801.D
Acq: 07 Jun 2019 13:16

Tgt Ion:276 Resp: 739648

Ion	Ratio	Lower	Upper
276	100		
138	18.9	16.6	25.0
277	24.9	19.6	29.4