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

Quantitation Report (LSC Reviewed)

Data File : BM010715.D
Acq On : 24 Jun 2017 06:14
Operator : SJ/JU
Sample : I3627-17DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A90DL

Manual Integrations APPROVED
mohammad
6/28/2017 7:48:35 AM

Quant Time: Jun 26 02:12:49 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 26 01:49:13 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	77598	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	349546	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	248732	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.86	188	617599	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	678266	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	502974	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.07	96	690	0.51	ng/uL	0.00
5) Phenol-d5	6.65	99	25884	3.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	14617	3.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	19030	3.67	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	22053	3.60	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	9758	3.91	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	11288	3.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	22971	3.80	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	26450	4.15	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	91073	4.17	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	103794	4.09	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	10384	2.70	ng/ul	0.00
57) Fluorene-d10	15.11	176	82416	4.37	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	11562	3.05	ng/ul	0.00
70) Anthracene-d10	16.96	188	129504m	4.34	ng/ul	0.00
76) Pyrene-d10	19.27	212	155036	4.92	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.08	264	106749	4.39	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.27	128	701237	40.31	ng/ul	100
34) 2-Methylnaphthalene	11.89	142	149460	10.69	ng/ul	96
40) 1,1'-Biphenyl	12.93	154	39665	2.04	ng/ul	93
44) Dimethylphthalate	13.58	163	36002	1.68	ng/ul	98
49) Acenaphthene	14.17	153	107101	6.56	ng/ul	96
53) Dibenzofuran	14.52	168	167088	6.76	ng/ul	91
58) Fluorene	15.17	166	113427	5.48	ng/ul	98
69) Phenanthrene	16.91	178	769836	23.45	ng/ul	98
71) Anthracene	17.00	178	94925	2.81	ng/ul	99
74) Fluoranthene	18.94	202	422658	9.99	ng/ul	99
77) Pyrene	19.30	202	244875	6.25	ng/ul	98
80) Benzo(a)anthracene	21.06	228	83183	2.11	ng/ul	98
82) Chrysene	21.12	228	65679	1.87	ng/ul	98
85) Benzo(b)fluoranthene	22.59	252	35389	1.08	ng/ul	94

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

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

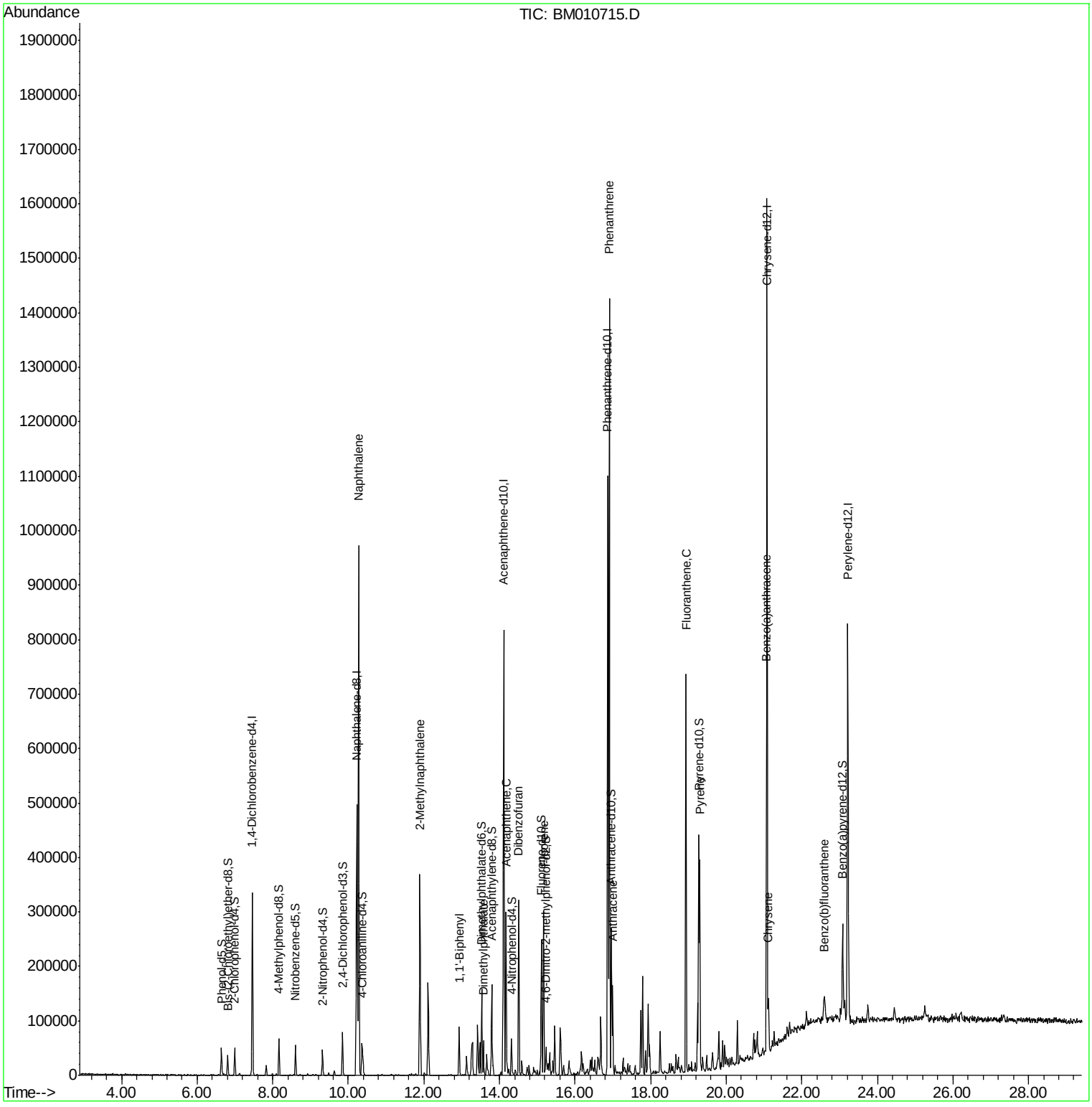
Quantitation Report (LSC Reviewed)

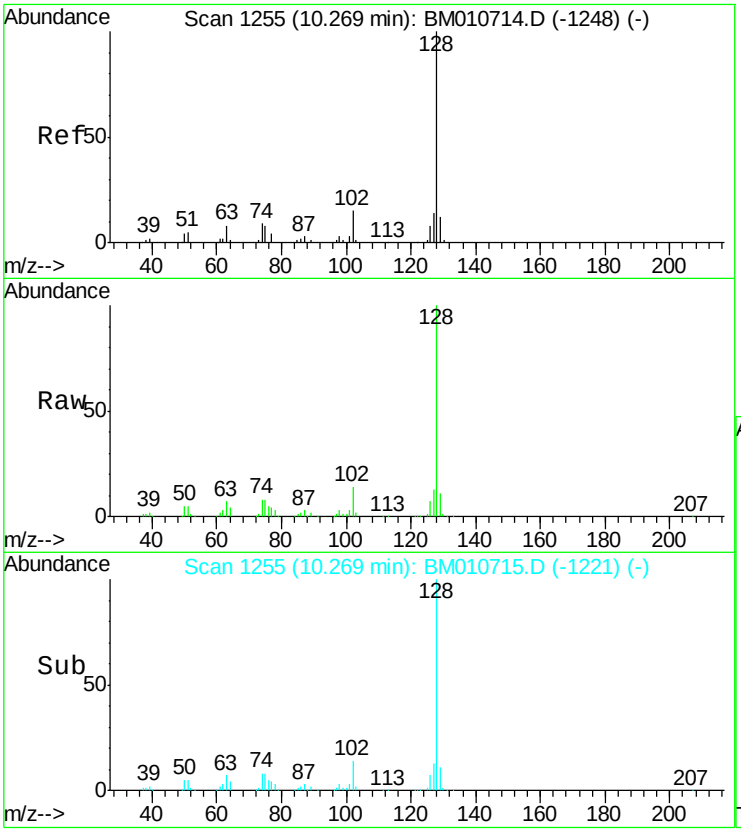
Data File : BM010715.D
Acq On : 24 Jun 2017 06:14
Operator : SJ/JU
Sample : I3627-17DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 26 02:12:49 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 26 01:49:13 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F5A90DL

Manual Integrations APPROVED
mohammad
6/28/2017 7:48:35 AM

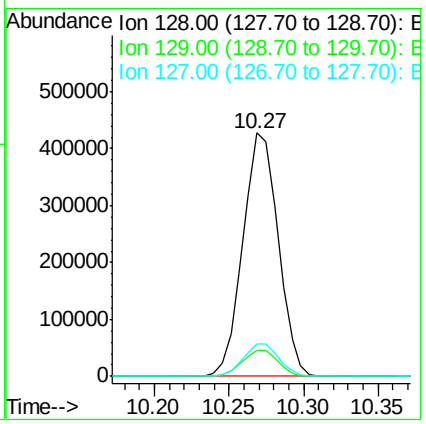




#28
Naphthalene
Concen: 40.31 ng/ul
RT: 10.27 min Scan# 1255
Delta R.T. 0.00 min
Lab File: BM010715.D
Acq: 24 Jun 2017 06:14

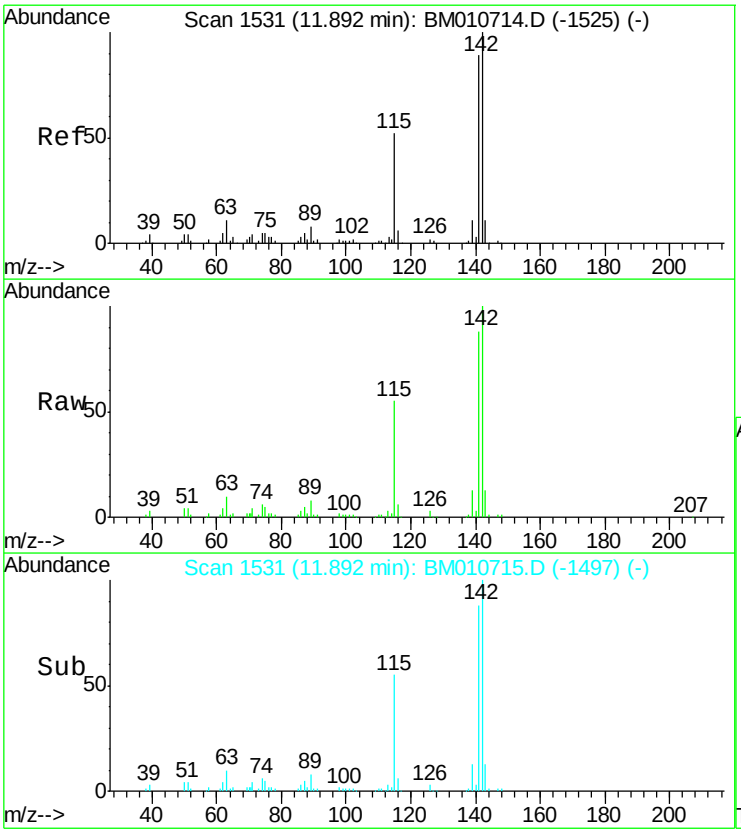
Tgt Ion:128 Resp: 701237

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.2	10.6	16.0



Instrument :
BNA_M
ClientSampleId :
F5A90DL

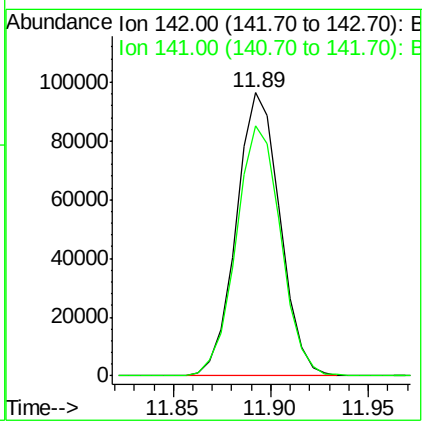
Manual Integrations APPROVED
mohammad
6/28/2017 7:48:35 AM

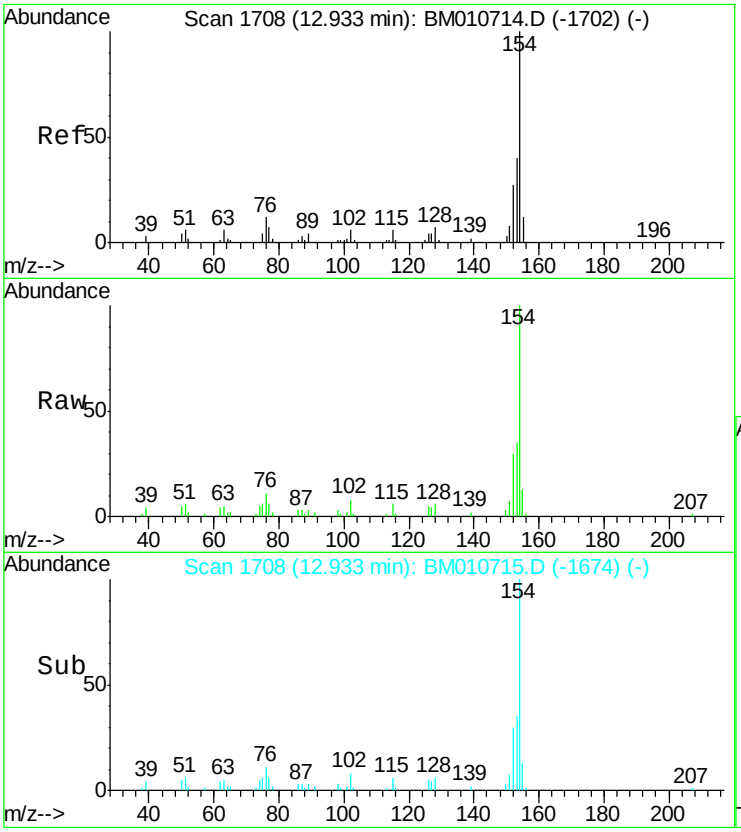


#34
2-Methylnaphthalene
Concen: 10.69 ng/ul
RT: 11.89 min Scan# 1531
Delta R.T. 0.00 min
Lab File: BM010715.D
Acq: 24 Jun 2017 06:14

Tgt Ion:142 Resp: 149460

Ion	Ratio	Lower	Upper
142	100		
141	88.4	74.1	111.1

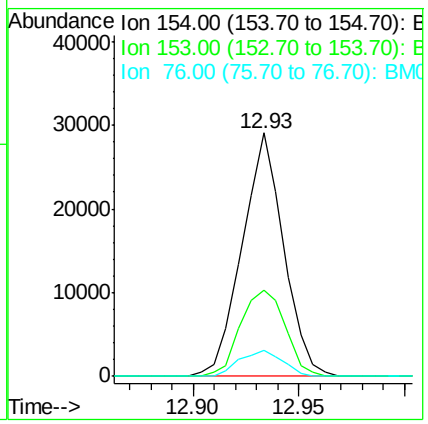




#40
1,1'-Biphenyl
Concen: 2.04 ng/ul
RT: 12.93 min Scan# 1708
Delta R.T. 0.00 min
Lab File: BM010715.D
Acq: 24 Jun 2017 06:14

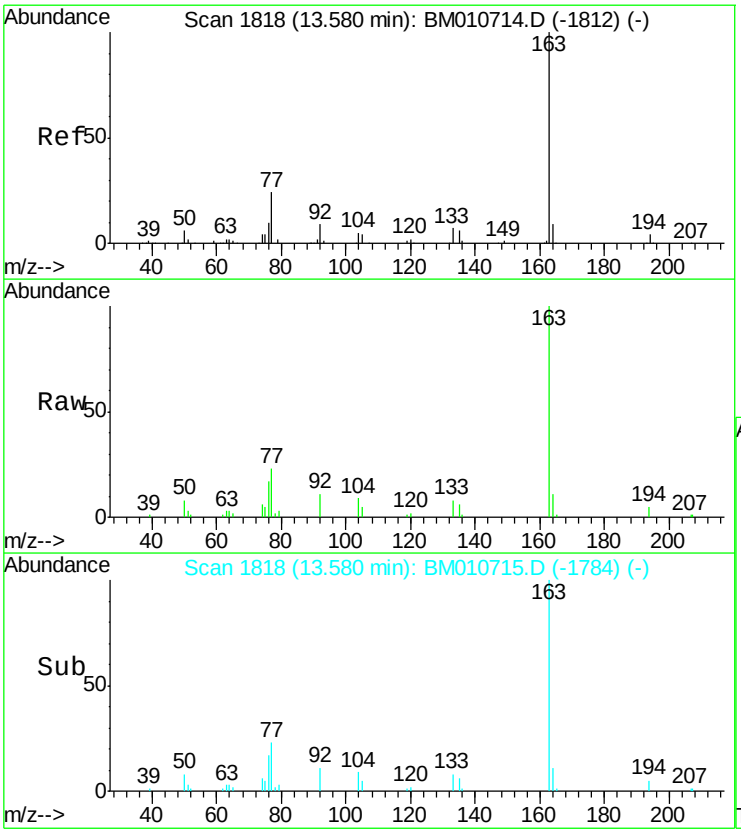
Tgt Ion:154 Resp: 39665

Ion	Ratio	Lower	Upper
154	100		
153	35.3	32.6	48.8
76	10.7	8.5	12.7



Instrument :
BNA_M
ClientSampleId :
F5A90DL

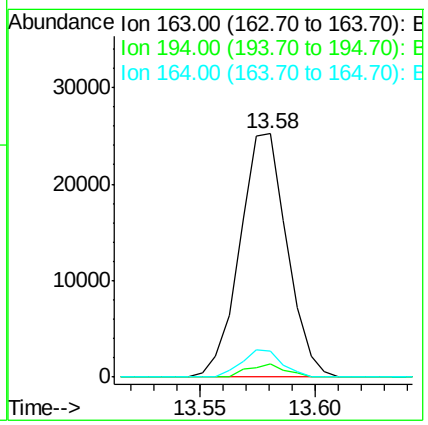
Manual Integrations APPROVED
mohammad
6/28/2017 7:48:35 AM

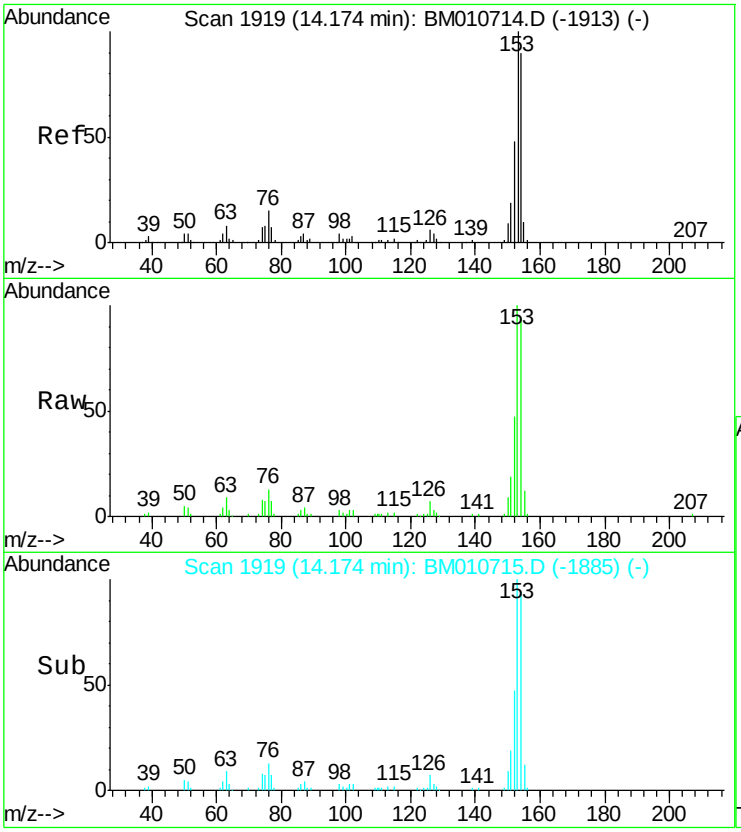


#44
Dimethylphthalate
Concen: 1.68 ng/ul
RT: 13.58 min Scan# 1818
Delta R.T. 0.00 min
Lab File: BM010715.D
Acq: 24 Jun 2017 06:14

Tgt Ion:163 Resp: 36002

Ion	Ratio	Lower	Upper
163	100		
194	5.3	3.5	5.3
164	10.9	8.2	12.4

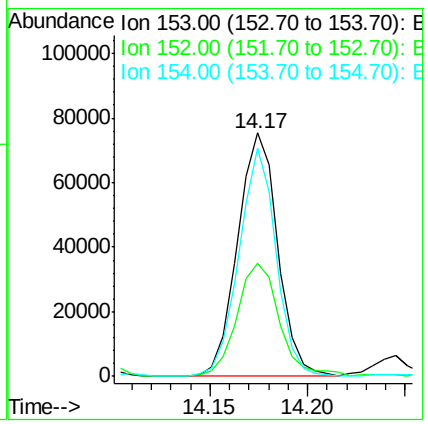




#49
Acenaphthene
Concen: 6.56 ng/ul
RT: 14.17 min Scan# 1919
Delta R.T. 0.00 min
Lab File: BM010715.D
Acq: 24 Jun 2017 06:14

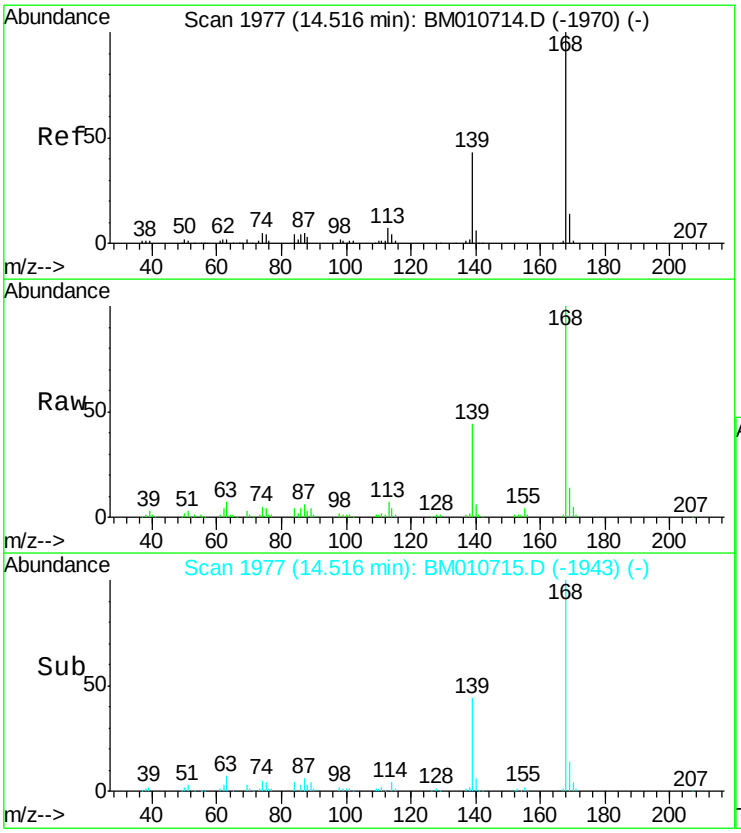
Tgt Ion:153 Resp: 107101

Ion	Ratio	Lower	Upper
153	100		
152	46.6	37.6	56.4
154	93.9	70.4	105.6



Instrument :
BNA_M
ClientSampleId :
F5A90DL

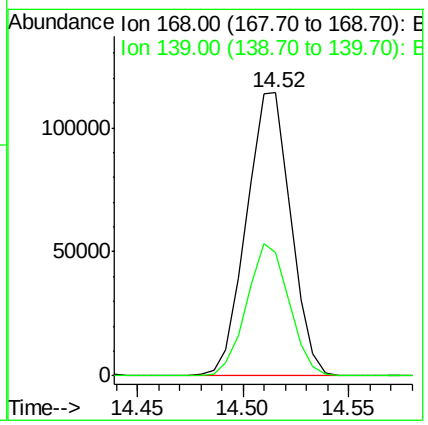
Manual Integrations APPROVED
mohammad
6/28/2017 7:48:35 AM

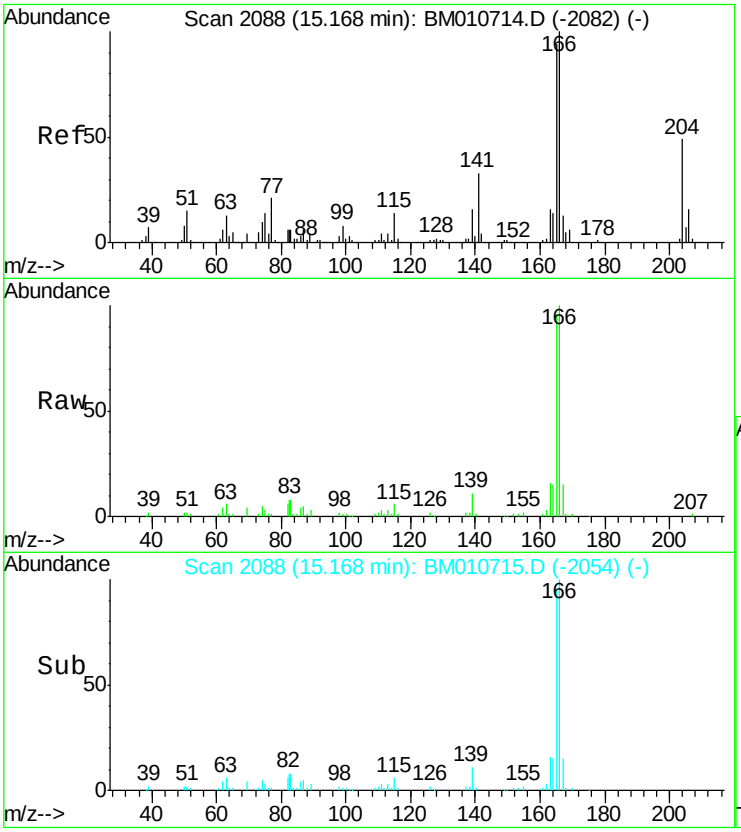


#53
Dibenzofuran
Concen: 6.76 ng/ul
RT: 14.52 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BM010715.D
Acq: 24 Jun 2017 06:14

Tgt Ion:168 Resp: 167088

Ion	Ratio	Lower	Upper
168	100		
139	43.7	30.8	46.2

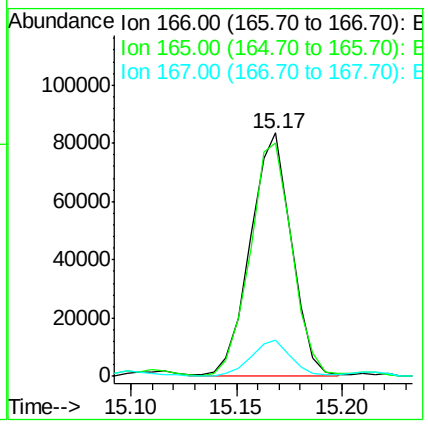




#58
Fluorene
Concen: 5.48 ng/ul
RT: 15.17 min Scan# 2088
Delta R.T. 0.00 min
Lab File: BM010715.D
Acq: 24 Jun 2017 06:14

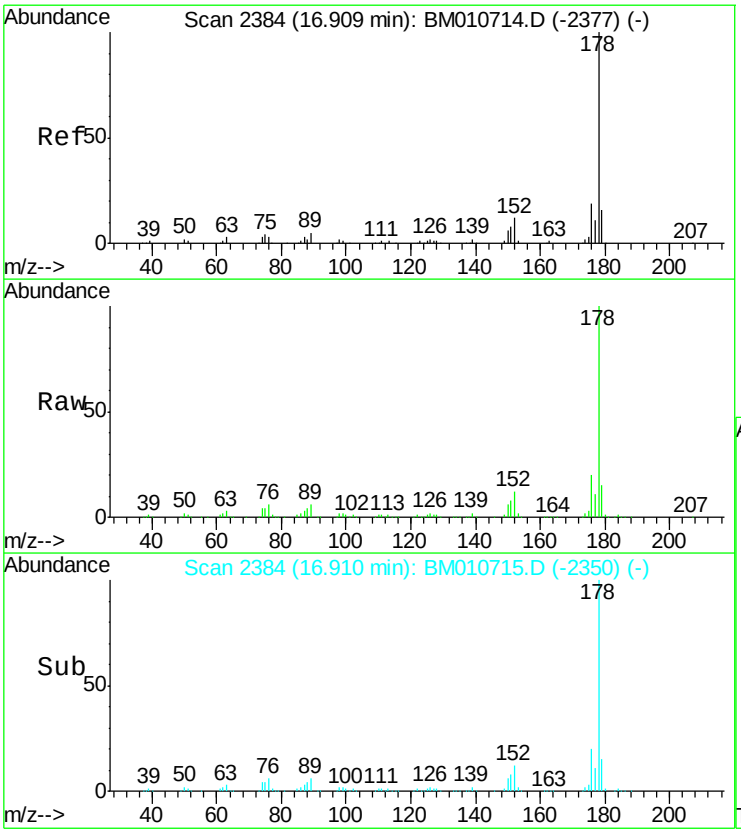
Tgt Ion:166 Resp: 113427

Ion	Ratio	Lower	Upper
166	100		
165	95.8	77.9	116.9
167	15.1	10.6	16.0



Instrument :
BNA_M
ClientSampleId :
F5A90DL

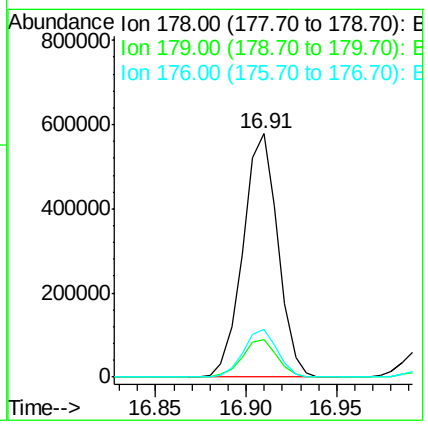
Manual Integrations APPROVED
mohammad
6/28/2017 7:48:35 AM

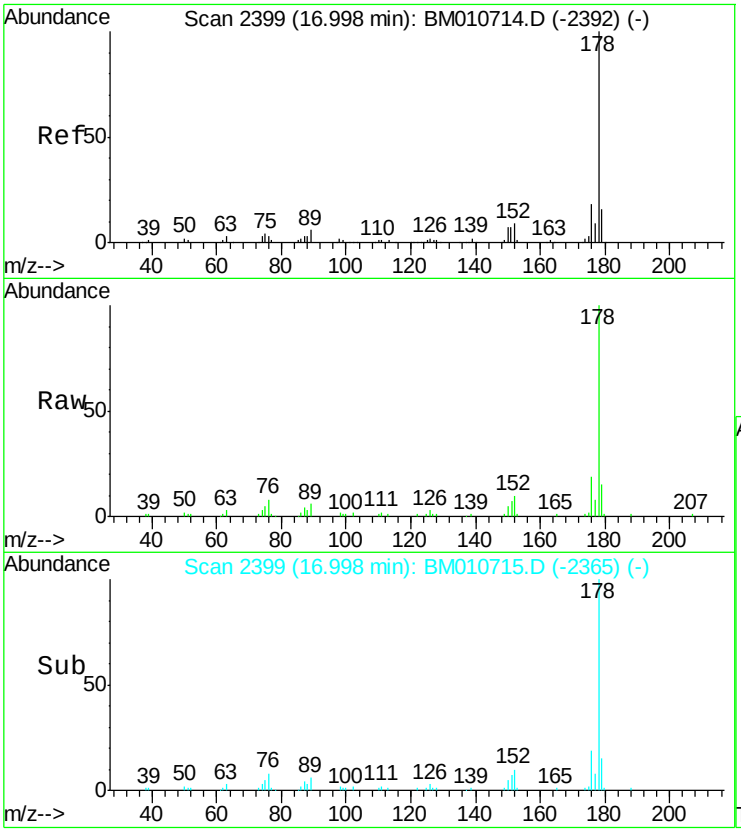


#69
Phenanthrene
Concen: 23.45 ng/ul
RT: 16.91 min Scan# 2384
Delta R.T. 0.00 min
Lab File: BM010715.D
Acq: 24 Jun 2017 06:14

Tgt Ion:178 Resp: 769836

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	19.0
176	19.7	14.9	22.3

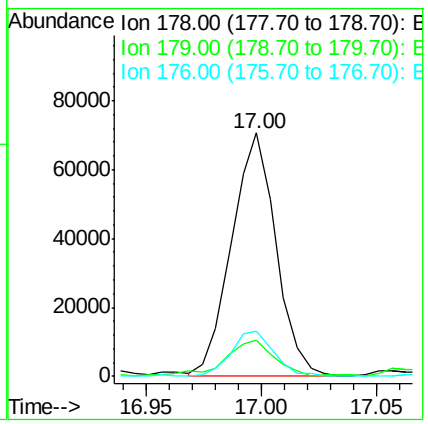




#71
Anthracene
Concen: 2.81 ng/ul
RT: 17.00 min Scan# 2399
Delta R.T. 0.00 min
Lab File: BM010715.D
Acq: 24 Jun 2017 06:14

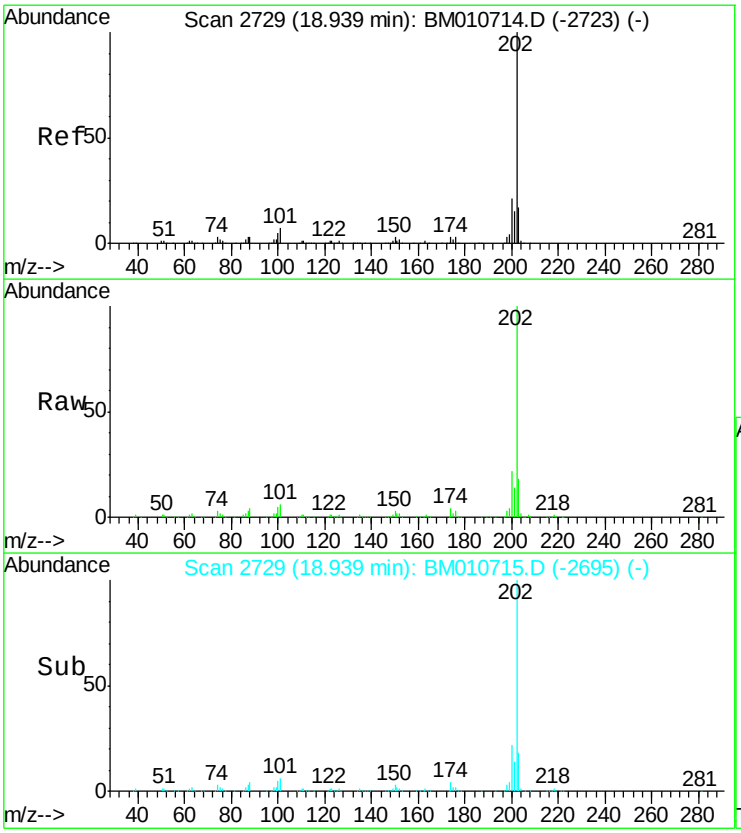
Tgt Ion:178 Resp: 94925

Ion	Ratio	Lower	Upper
178	100		
179	14.7	11.7	17.5
176	18.7	14.6	21.8



Instrument :
BNA_M
ClientSampleId :
F5A90DL

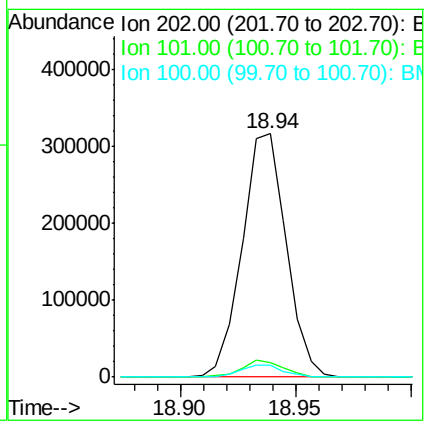
Manual Integrations APPROVED
mohammad
6/28/2017 7:48:35 AM

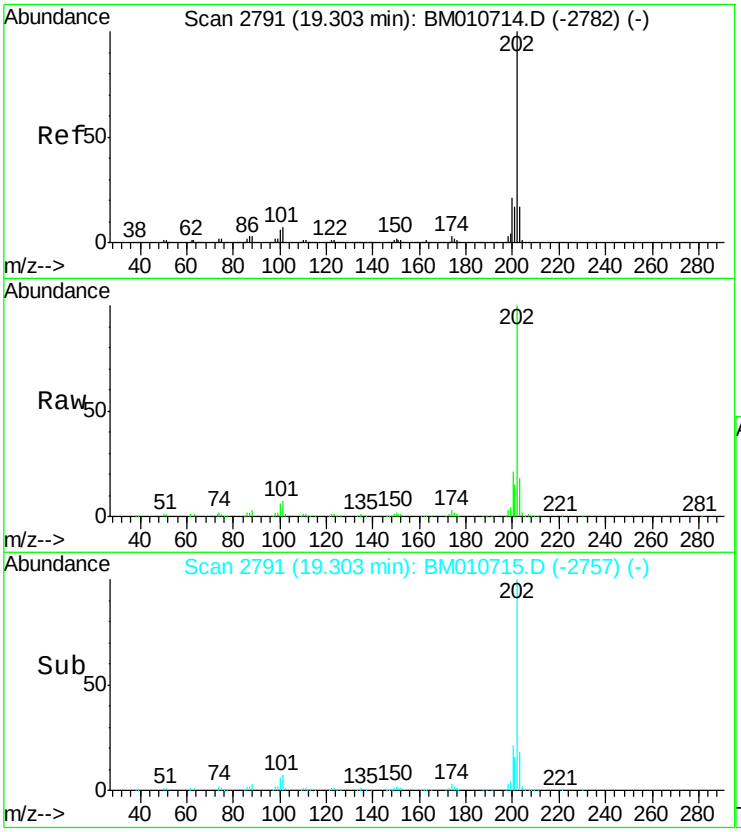


#74
Fluoranthene
Concen: 9.99 ng/ul
RT: 18.94 min Scan# 2729
Delta R.T. 0.00 min
Lab File: BM010715.D
Acq: 24 Jun 2017 06:14

Tgt Ion:202 Resp: 422658

Ion	Ratio	Lower	Upper
202	100		
101	5.7	4.6	7.0
100	4.7	3.4	5.2

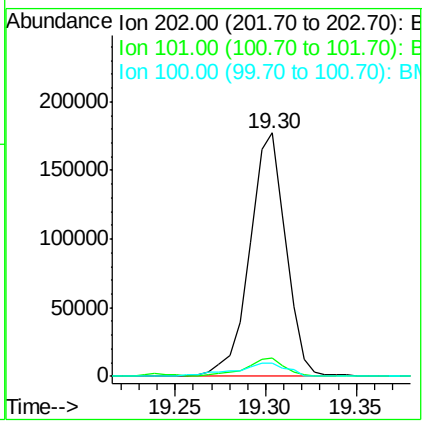




#77
Pyrene
Concen: 6.25 ng/ul
RT: 19.30 min Scan# 2791
Delta R.T. 0.00 min
Lab File: BM010715.D
Acq: 24 Jun 2017 06:14

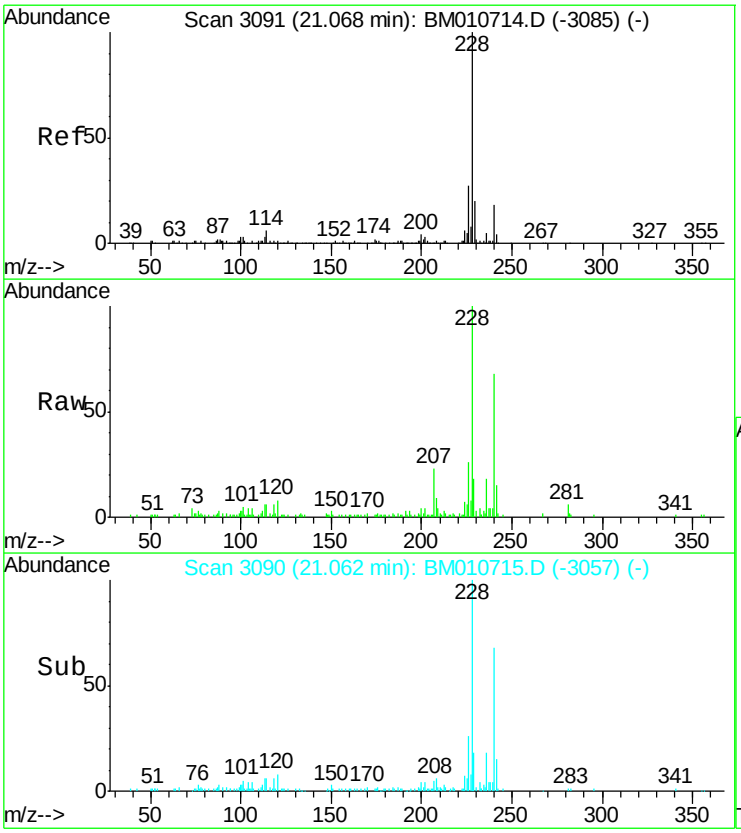
Tgt Ion:202 Resp: 244875

Ion	Ratio	Lower	Upper
202	100		
101	7.4	5.1	7.7
100	5.6	4.9	7.3



Instrument :
BNA_M
ClientSampleId :
F5A90DL

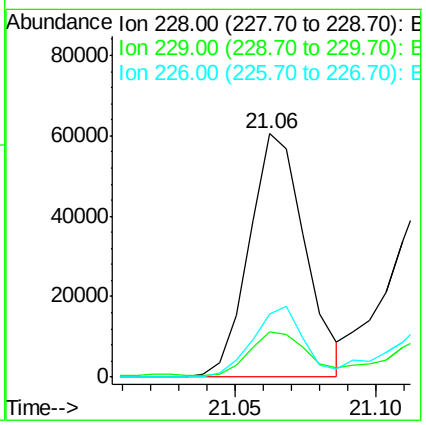
Manual Integrations APPROVED
mohammad
6/28/2017 7:48:35 AM

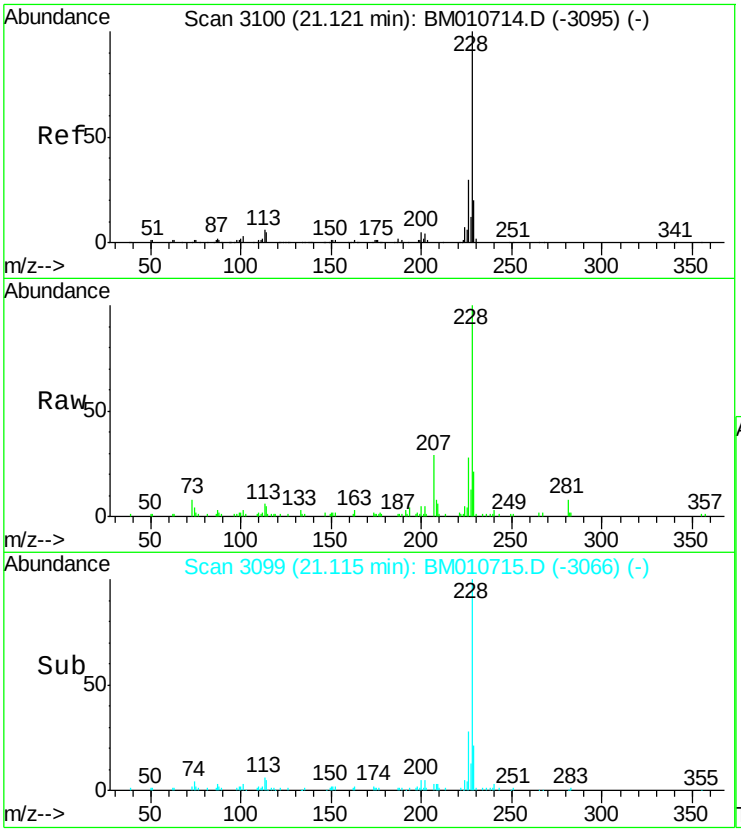


#80
Benzo(a)anthracene
Concen: 2.11 ng/ul
RT: 21.06 min Scan# 3090
Delta R.T. -0.01 min
Lab File: BM010715.D
Acq: 24 Jun 2017 06:14

Tgt Ion:228 Resp: 83183

Ion	Ratio	Lower	Upper
228	100		
229	18.4	15.4	23.0
226	25.8	21.4	32.0

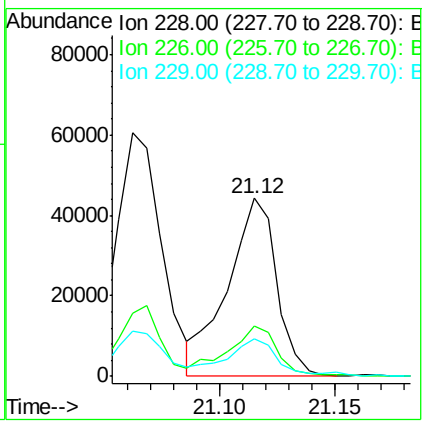




#82
Chrysene
Concen: 1.87 ng/ul
RT: 21.12 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM010715.D
Acq: 24 Jun 2017 06:14

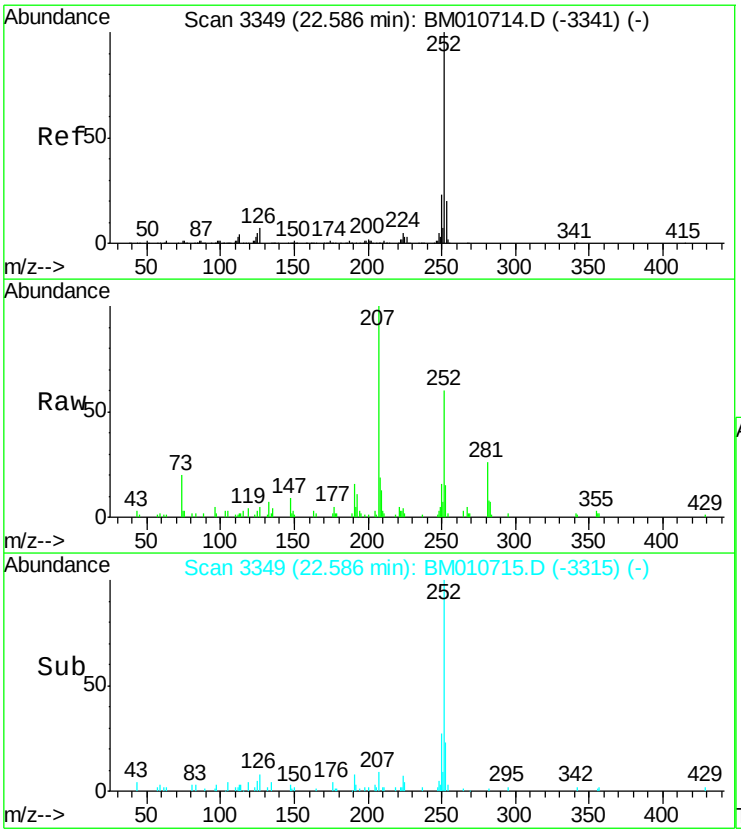
Tgt Ion:228 Resp: 65679

Ion	Ratio	Lower	Upper
228	100		
226	28.4	23.4	35.2
229	21.0	15.5	23.3



Instrument :
BNA_M
ClientSampleId :
F5A90DL

Manual Integrations APPROVED
mohammad
6/28/2017 7:48:35 AM



#85
Benzo(b)fluoranthene
Concen: 1.08 ng/ul
RT: 22.59 min Scan# 3349
Delta R.T. 0.00 min
Lab File: BM010715.D
Acq: 24 Jun 2017 06:14

Tgt Ion:252 Resp: 35389

Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.9	26.9
125	4.5	3.6	5.4