Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002144.D
Acq On : 30 Jul 2015 19:47
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02D9DL

Manual Integrations APPROVED
MMDadoda
8/3/2015 11:54:20 AM

Quant Time: Jul 31 04:43:20 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 31 01:27:14 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	76158	20.00	ng/ul	0.02
18) Naphthalene-d8	10.39	136	330804	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.27	164	208700	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.03	188	458368	20.00	ng/ul	0.02
78) Chrysene-d12	21.23	240	414072	20.00	ng/ul	0.02
86) Perylene-d12	23.44	264	363968	20.00	ng/ul	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
5) Phenol-d5	6.79	99	14178	2.60	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.94	67	7957	2.64	ng/ul	0.01
9) 2-Chlorophenol-d4	7.14	132	12386	2.68	ng/ul	0.02
13) 4-Methylphenol-d8	8.33	113	12585	2.91	ng/ul	0.02
19) Nitrobenzene-d5	8.76	128	6122	2.60	ng/ul	0.01
22) 2-Nitrophenol-d4	9.49	143	6280	2.40	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.03	165	13847	2.75	ng/ul	0.02
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	13.68	166	42134	2.76	ng/ul	0.01
47) Acenaphthylene-d8	13.96	160	49558	2.59	ng/ul	0.02
52) 4-Nitrophenol-d4	14.52	143	5592	2.19	ng/ul	0.05
58) Fluorene-d10	15.27	176	36871	2.74	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.12	188	52816	2.58	ng/ul	0.02
79) Pyrene-d10	19.43	212	50590	2.90	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.30	264	37943	2.15	ng/ul	0.04
Target Compounds						Qvalue
28) Naphthalene	10.45	128	357860	22.77	ng/ul	99
34) 2-Methylnaphthalene	12.07	142	240873	21.07	ng/ul	98
35) 1-Methylnaphthalene	12.29	142	118009	10.73	ng/ul	100
41) 1,1'-Biphenyl	13.09	154	68990	4.29	ng/ul	98
50) Acenaphthene	14.34	153	337912	26.14	ng/ul	98
54) Dibenzofuran	14.67	168	352502	19.01	ng/ul	99
59) Fluorene	15.33	166	374453	24.43	ng/ul	100
70) Phenanthrene	17.07	178	1726500	72.72	ng/ul	99
72) Anthracene	17.16	178	168683	6.95	ng/ul	98
75) Carbazole	17.43	167	75644	3.65	ng/ul	99
77) Fluoranthene	19.10	202	914029	33.34	ng/ul	99
80) Pyrene	19.46	202	581967	25.83	ng/ul	99
83) Benzo(a)anthracene	21.21	228	149507	6.51	ng/ul	95
85) Chrysene	21.26	228	127134m	5.92	ng/ul	
88) Benzo(b)fluoranthene	22.77	252	80906	3.96	ng/ul#	83
91) Benzo(a)pyrene	23.34	252	46974	2.38	ng/ul#	73

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

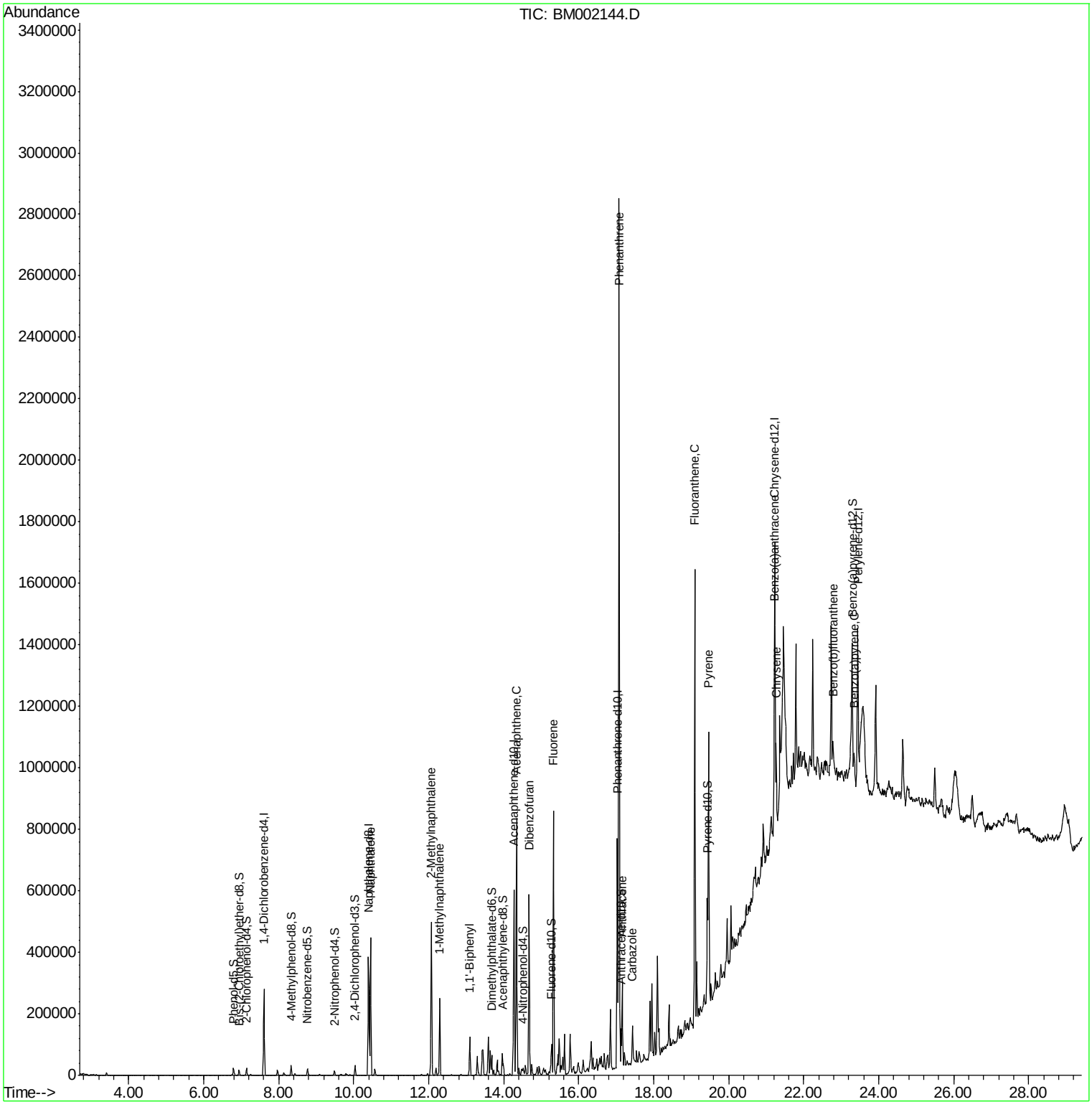
Quantitation Report (LSC Reviewed)

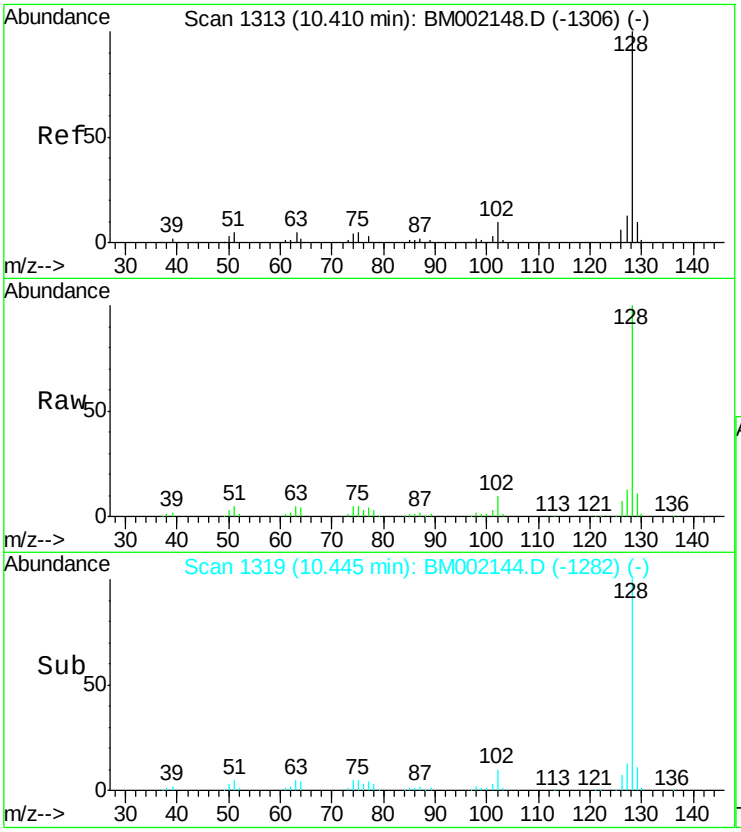
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002144.D
Acq On : 30 Jul 2015 19:47
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 31 04:43:20 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 31 01:27:14 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C02D9DL

Manual Integrations APPROVED
MMDadoda
8/3/2015 11:54:20 AM

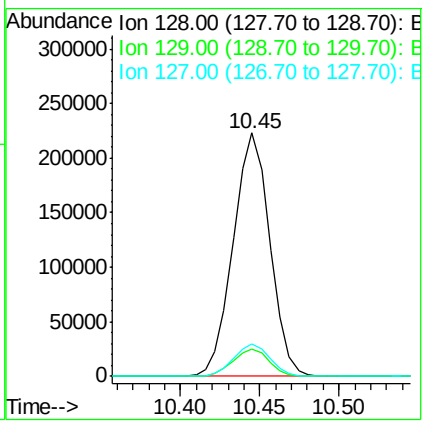




#28
Naphthalene
Concen: 22.77 ng/ul
RT: 10.45 min Scan# 1319
Delta R.T. 0.02 min
Lab File: BM002144.D
Acq: 30 Jul 2015 19:47

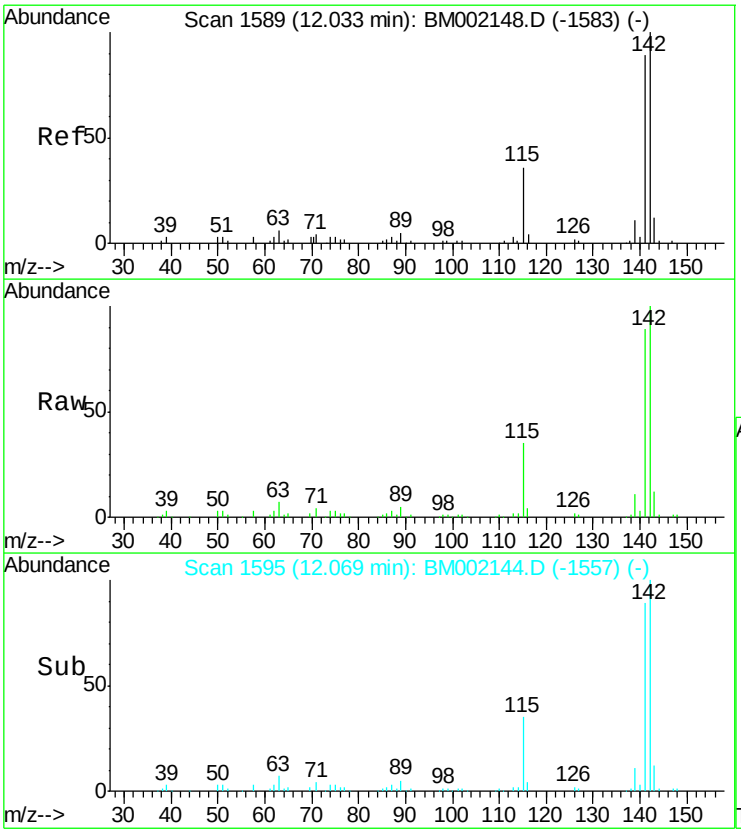
Tgt Ion:128 Resp: 357860

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.2	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
C02D9DL

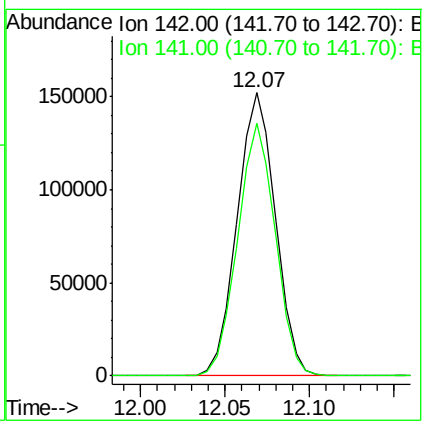
Manual Integrations APPROVED
MMDadoda
8/3/2015 11:54:20 AM

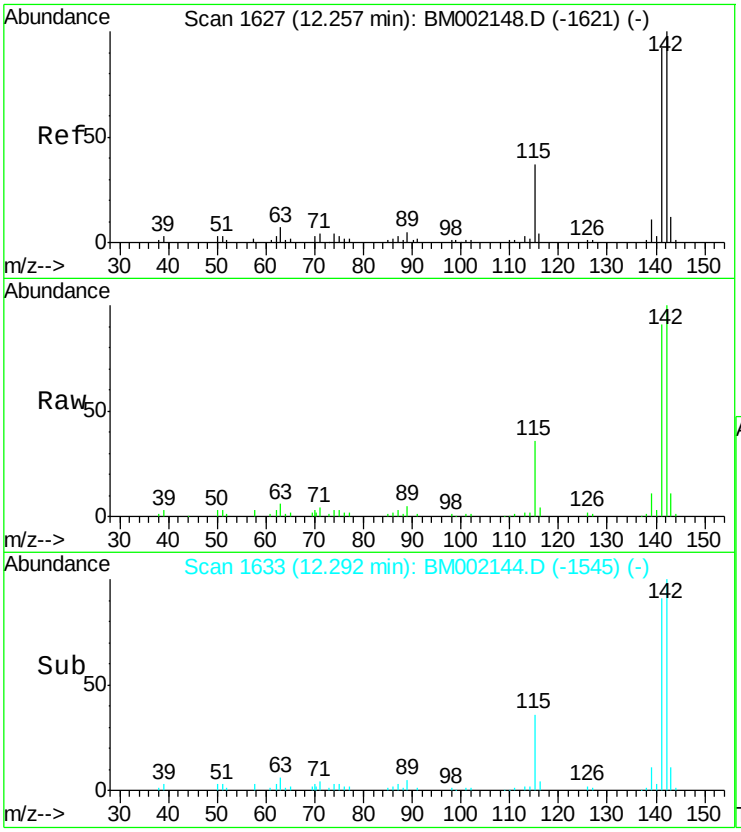


#34
2-Methylnaphthalene
Concen: 21.07 ng/ul
RT: 12.07 min Scan# 1595
Delta R.T. 0.02 min
Lab File: BM002144.D
Acq: 30 Jul 2015 19:47

Tgt Ion:142 Resp: 240873

Ion	Ratio	Lower	Upper
142	100		
141	89.1	69.8	104.6

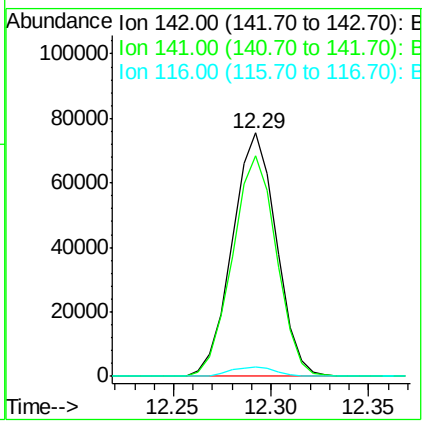




#35
1-Methylnaphthalene
Concen: 10.73 ng/ul
RT: 12.29 min Scan# 1633
Delta R.T. 0.02 min
Lab File: BM002144.D
Acq: 30 Jul 2015 19:47

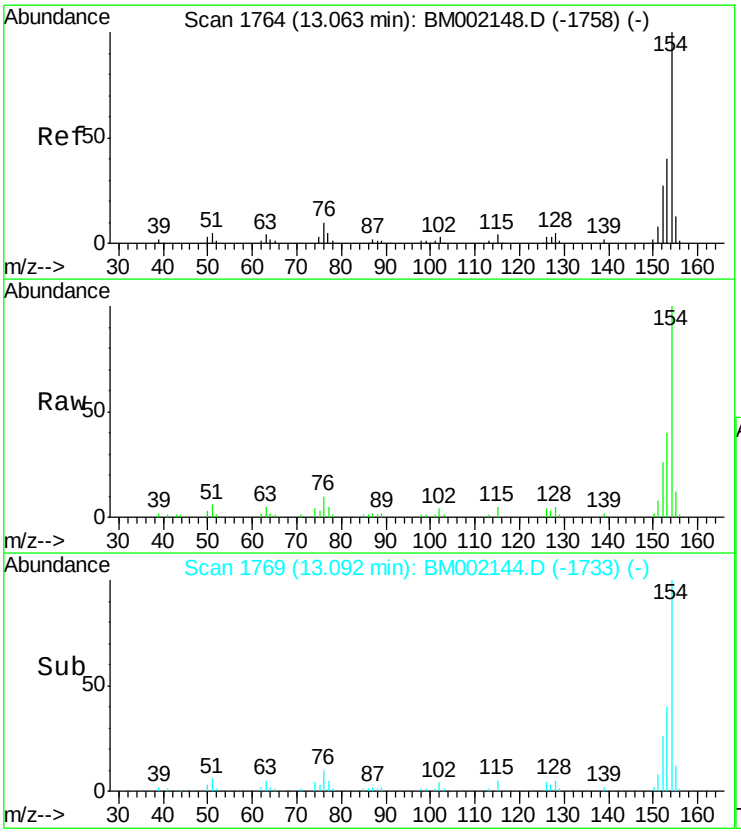
Tgt Ion:142 Resp: 118009

Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.4	108.6
116	3.9	3.2	4.8



Instrument :
BNA_M
ClientSampleId :
C02D9DL

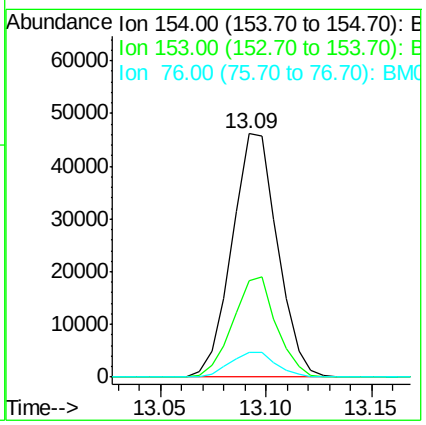
Manual Integrations APPROVED
MMDadoda
8/3/2015 11:54:20 AM

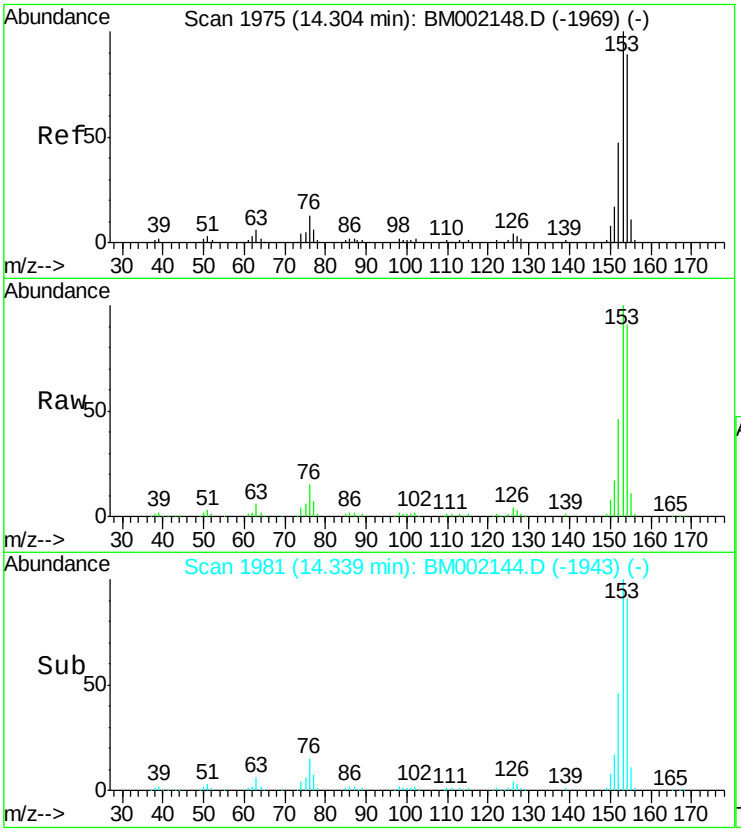


#41
1,1'-Biphenyl
Concen: 4.29 ng/ul
RT: 13.09 min Scan# 1769
Delta R.T. 0.01 min
Lab File: BM002144.D
Acq: 30 Jul 2015 19:47

Tgt Ion:154 Resp: 68990

Ion	Ratio	Lower	Upper
154	100		
153	39.7	32.5	48.7
76	10.3	8.8	13.2

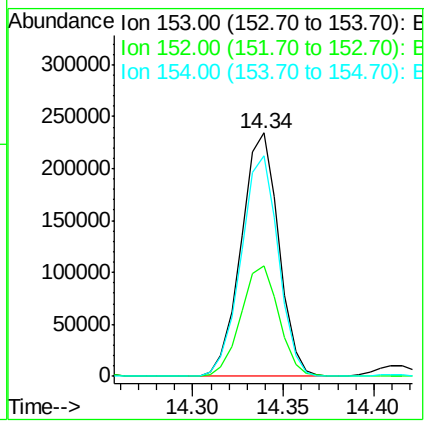




#50
Acenaphthene
Concen: 26.14 ng/ul
RT: 14.34 min Scan# 1981
Delta R.T. 0.02 min
Lab File: BM002144.D
Acq: 30 Jul 2015 19:47

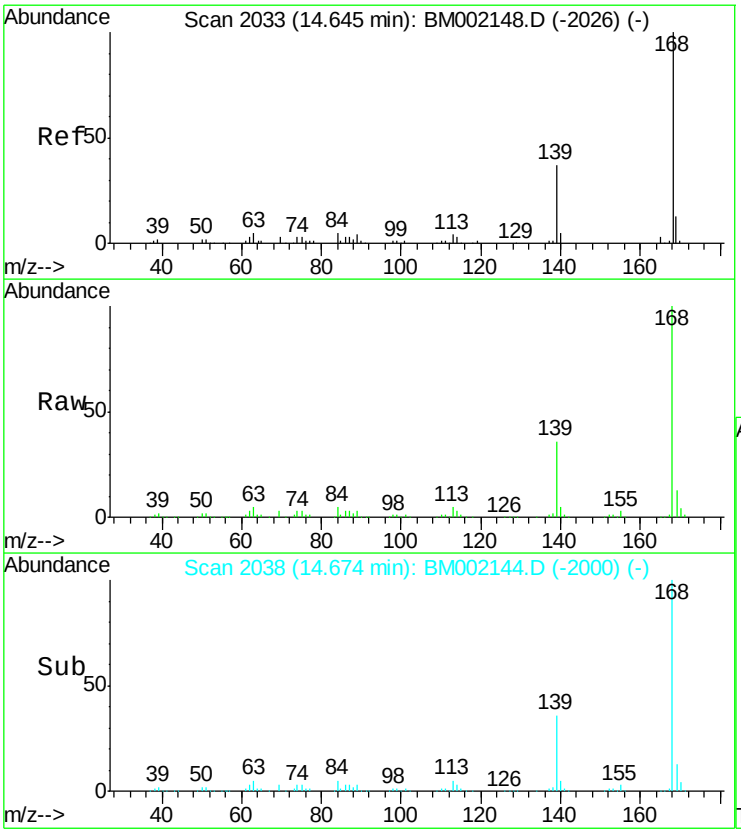
Tgt Ion:153 Resp: 337912

Ion	Ratio	Lower	Upper
153	100		
152	45.5	37.3	55.9
154	90.7	71.4	107.2



Instrument :
BNA_M
ClientSampleId :
C02D9DL

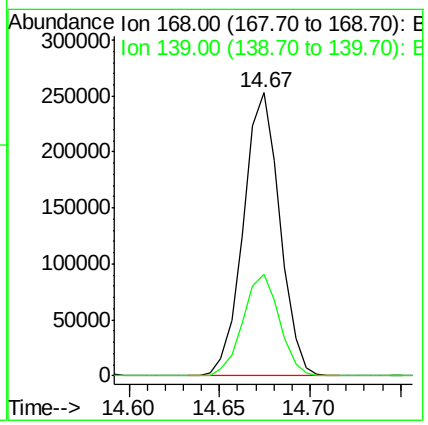
Manual Integrations APPROVED
MMDadoda
8/3/2015 11:54:20 AM

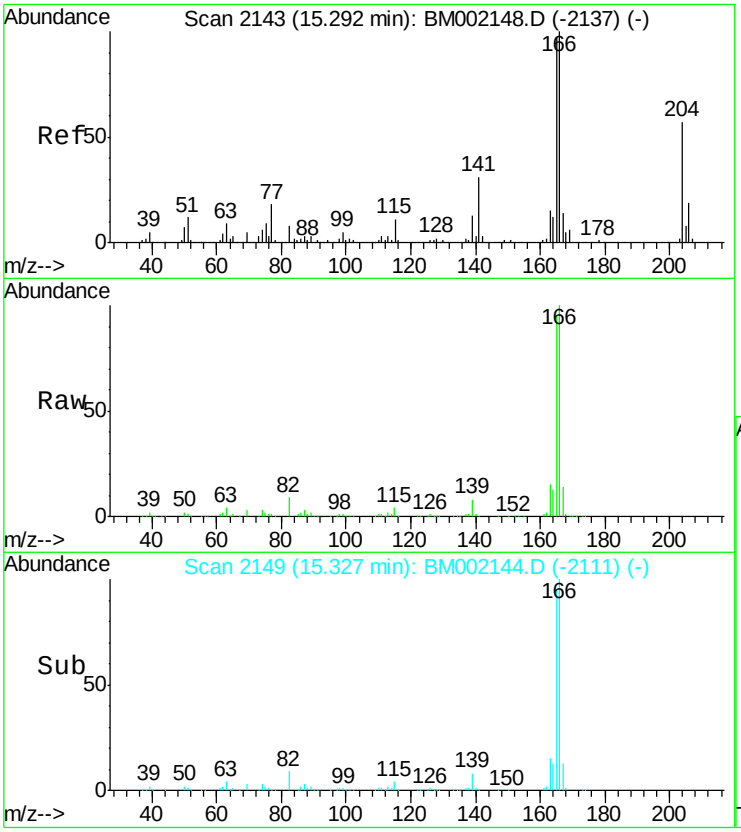


#54
Dibenzofuran
Concen: 19.01 ng/ul
RT: 14.67 min Scan# 2038
Delta R.T. 0.02 min
Lab File: BM002144.D
Acq: 30 Jul 2015 19:47

Tgt Ion:168 Resp: 352502

Ion	Ratio	Lower	Upper
168	100		
139	36.0	28.2	42.2

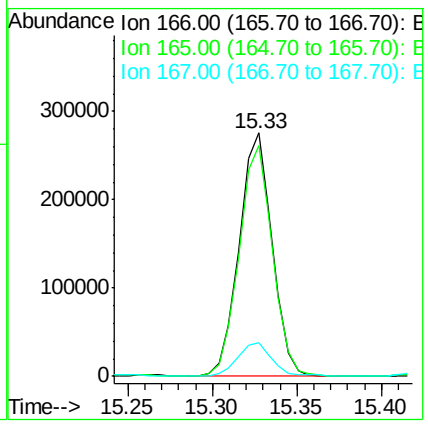




#59
Fluorene
Concen: 24.43 ng/ul
RT: 15.33 min Scan# 2149
Delta R.T. 0.02 min
Lab File: BM002144.D
Acq: 30 Jul 2015 19:47

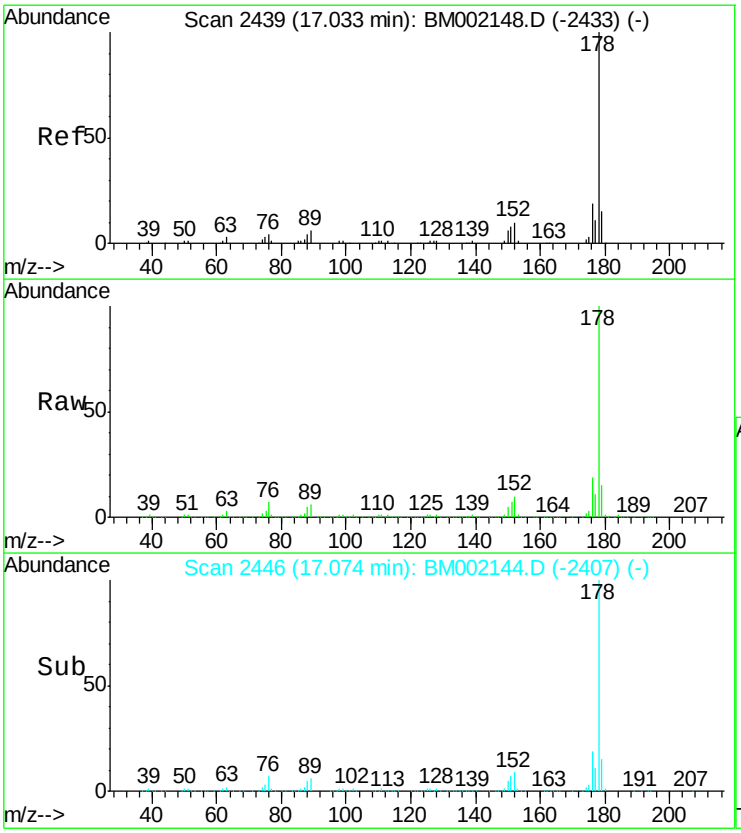
Tgt Ion:166 Resp: 374453

Ion	Ratio	Lower	Upper
166	100		
165	94.6	75.6	113.4
167	14.0	10.5	15.7



Instrument :
BNA_M
ClientSampleId :
C02D9DL

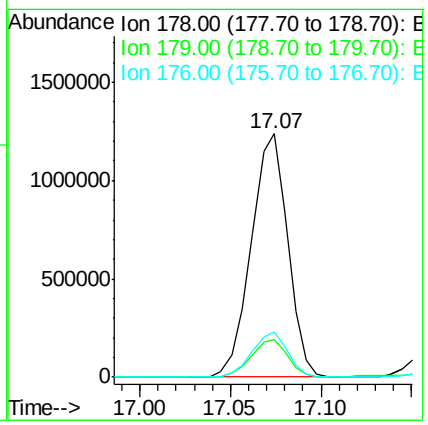
Manual Integrations APPROVED
MMDadoda
8/3/2015 11:54:20 AM

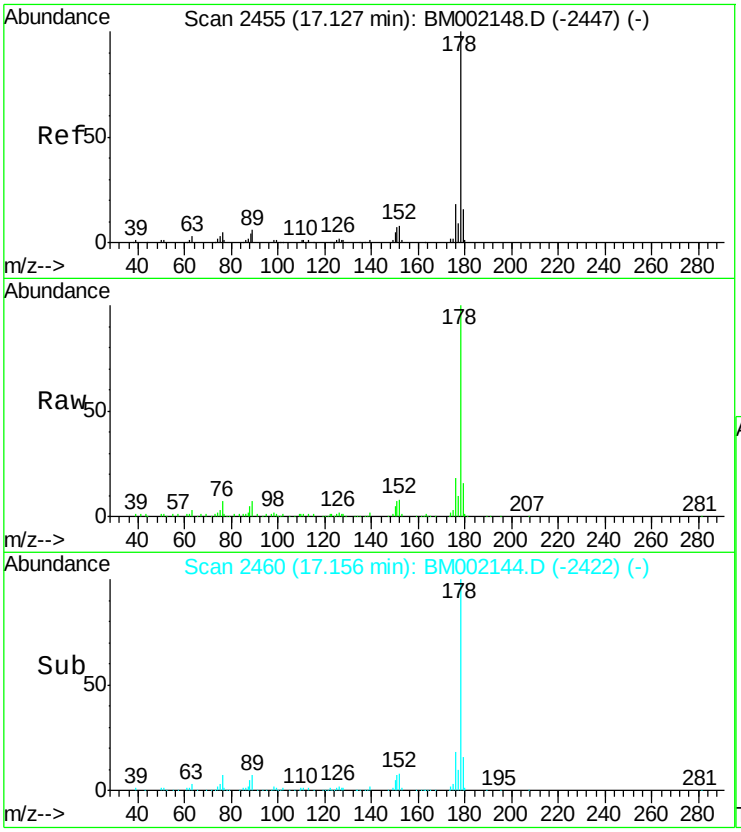


#70
Phenanthrene
Concen: 72.72 ng/ul
RT: 17.07 min Scan# 2446
Delta R.T. 0.03 min
Lab File: BM002144.D
Acq: 30 Jul 2015 19:47

Tgt Ion:178 Resp: 1726500

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.5	18.7
176	18.6	14.2	21.4

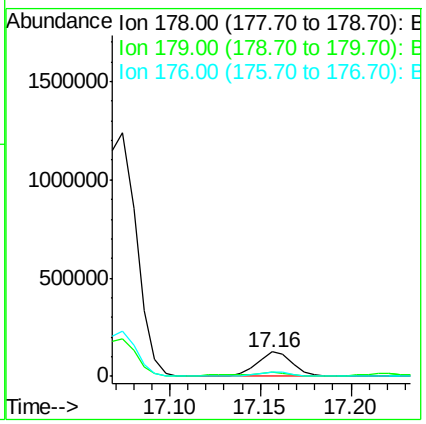




#72
Anthracene
Concen: 6.95 ng/ul
RT: 17.16 min Scan# 2460
Delta R.T. 0.02 min
Lab File: BM002144.D
Acq: 30 Jul 2015 19:47

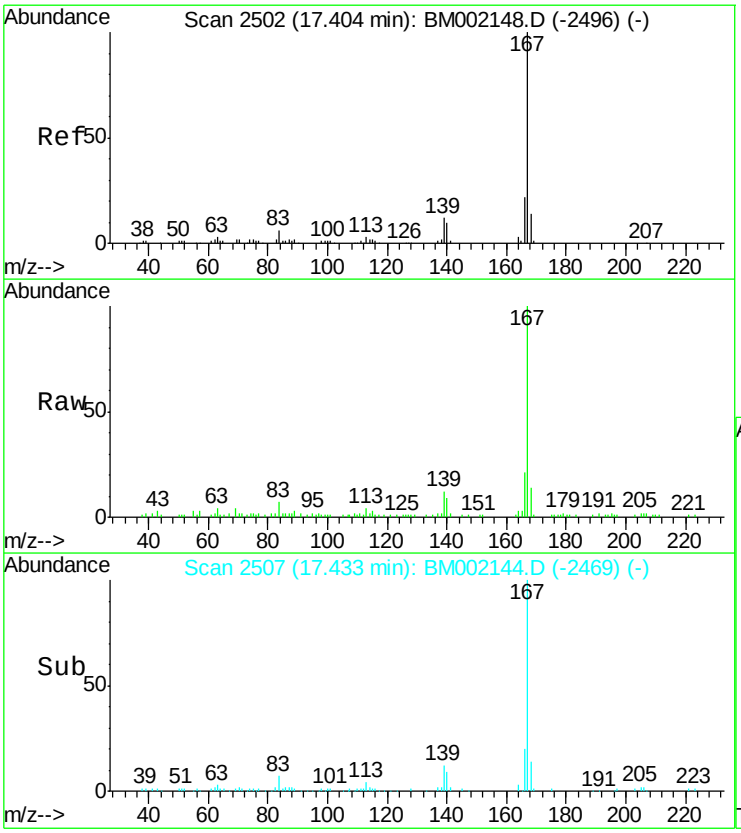
Tgt Ion:178 Resp: 168683

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.1	18.1
176	18.0	14.1	21.1



Instrument :
BNA_M
ClientSampleId :
C02D9DL

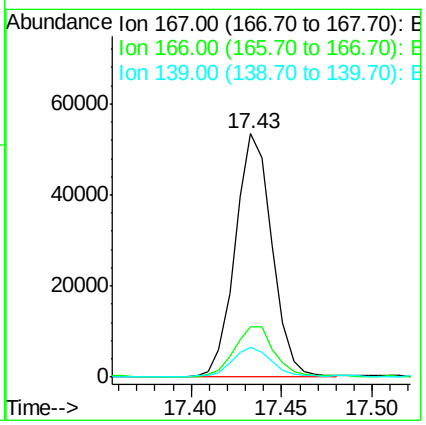
Manual Integrations APPROVED
MMDadoda
8/3/2015 11:54:20 AM

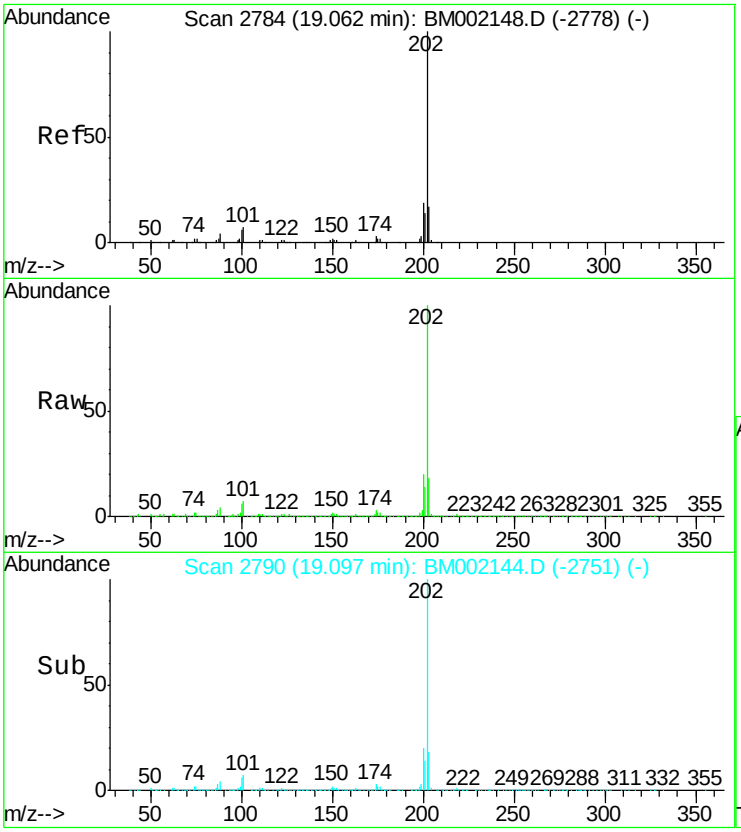


#75
Carbazole
Concen: 3.65 ng/ul
RT: 17.43 min Scan# 2507
Delta R.T. 0.02 min
Lab File: BM002144.D
Acq: 30 Jul 2015 19:47

Tgt Ion:167 Resp: 75644

Ion	Ratio	Lower	Upper
167	100		
166	20.8	16.2	24.4
139	12.3	9.6	14.4

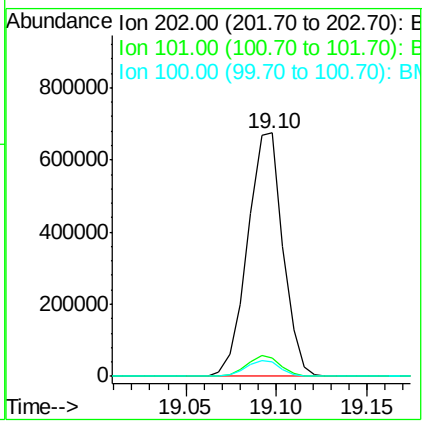




#77
Fluoranthene
Concen: 33.34 ng/ul
RT: 19.10 min Scan# 2790
Delta R.T. 0.03 min
Lab File: BM002144.D
Acq: 30 Jul 2015 19:47

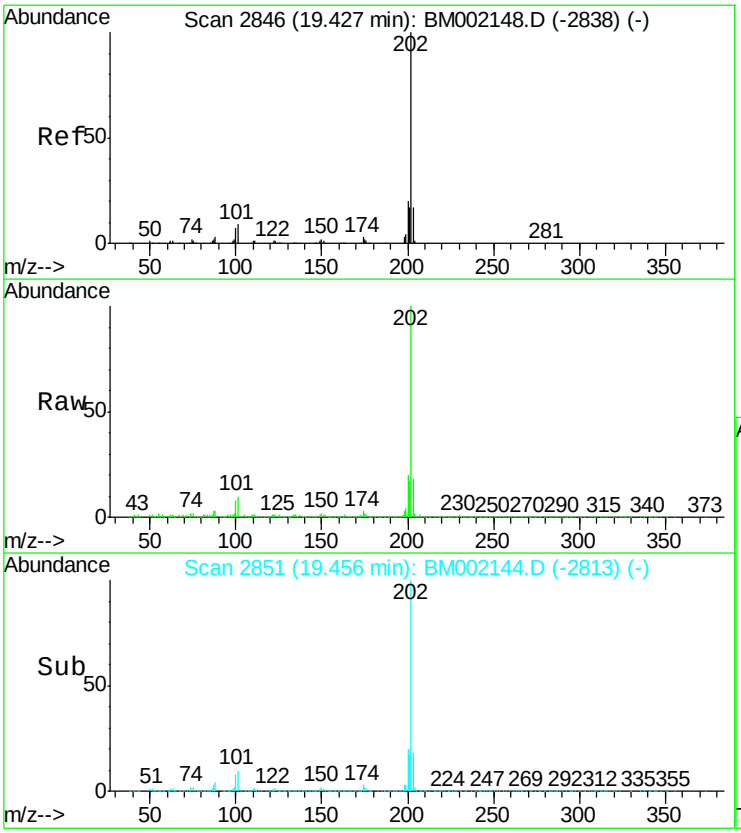
Tgt Ion:202 Resp: 914029

Ion	Ratio	Lower	Upper
202	100		
101	7.4	6.2	9.4
100	6.0	5.2	7.8



Instrument :
BNA_M
ClientSampleId :
C02D9DL

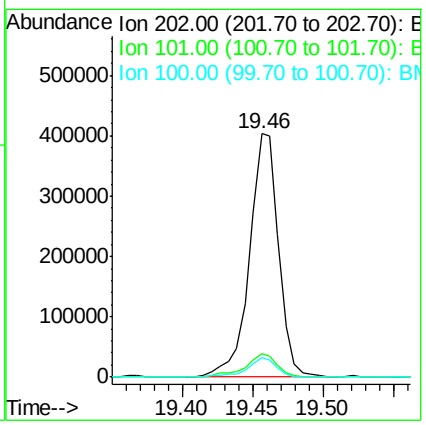
Manual Integrations APPROVED
MMDadoda
8/3/2015 11:54:20 AM

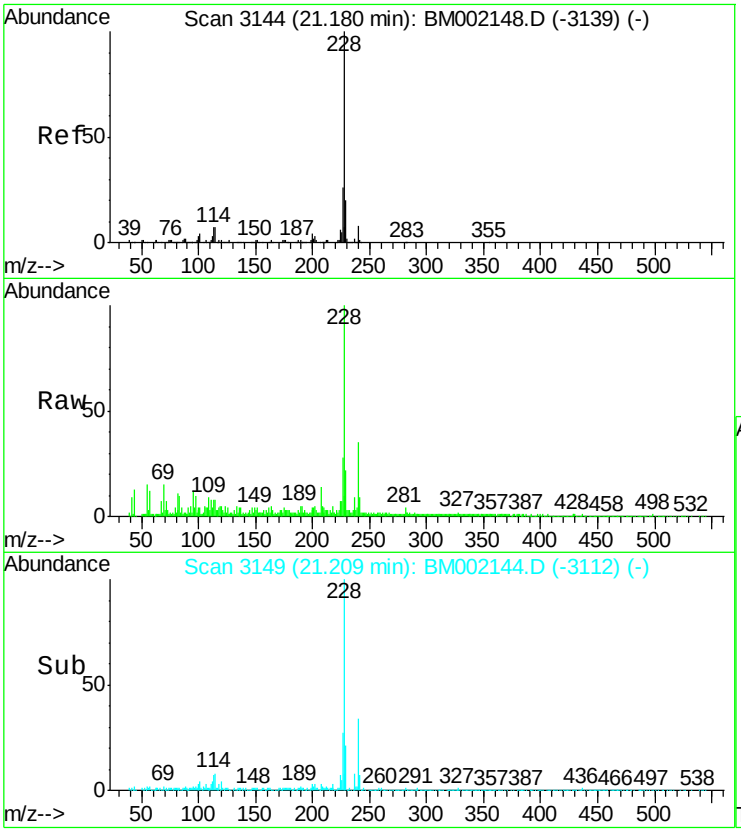


#80
Pyrene
Concen: 25.83 ng/ul
RT: 19.46 min Scan# 2851
Delta R.T. 0.02 min
Lab File: BM002144.D
Acq: 30 Jul 2015 19:47

Tgt Ion:202 Resp: 581967

Ion	Ratio	Lower	Upper
202	100		
101	9.7	7.4	11.2
100	8.2	6.3	9.5

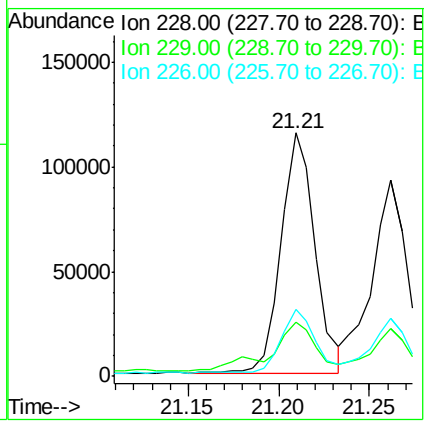




#83
Benzo(a)anthracene
Concen: 6.51 ng/ul
RT: 21.21 min Scan# 3149
Delta R.T. 0.02 min
Lab File: BM002144.D
Acq: 30 Jul 2015 19:47

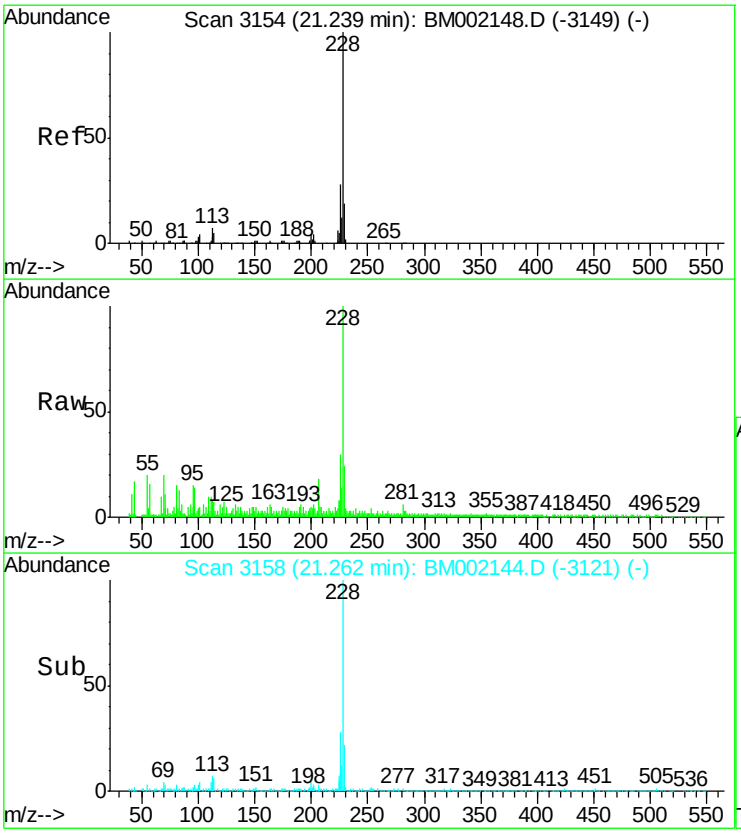
Tgt Ion:228 Resp: 149507

Ion	Ratio	Lower	Upper
228	100		
229	22.4	15.4	23.2
226	27.7	20.5	30.7



Instrument :
BNA_M
ClientSampleId :
C02D9DL

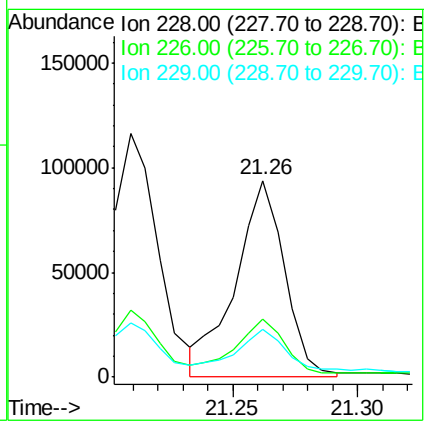
Manual Integrations APPROVED
MMDadoda
8/3/2015 11:54:20 AM

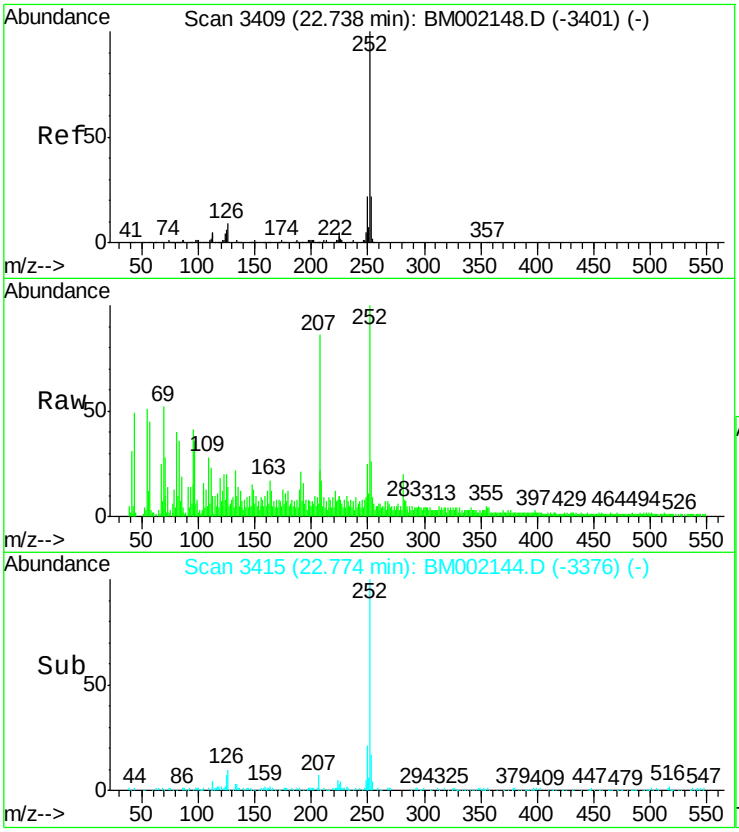


#85
Chrysene
Concen: 5.92 ng/ul m
RT: 21.26 min Scan# 3158
Delta R.T. 0.02 min
Lab File: BM002144.D
Acq: 30 Jul 2015 19:47

Tgt Ion:228 Resp: 127134

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.3	33.5
229	24.5	15.5	23.3#

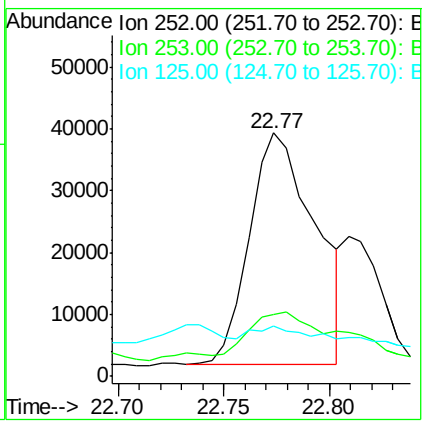




#88
Benzo(b)fluoranthene
Concen: 3.96 ng/ul
RT: 22.77 min Scan# 3415
Delta R.T. 0.03 min
Lab File: BM002144.D
Acq: 30 Jul 2015 19:47

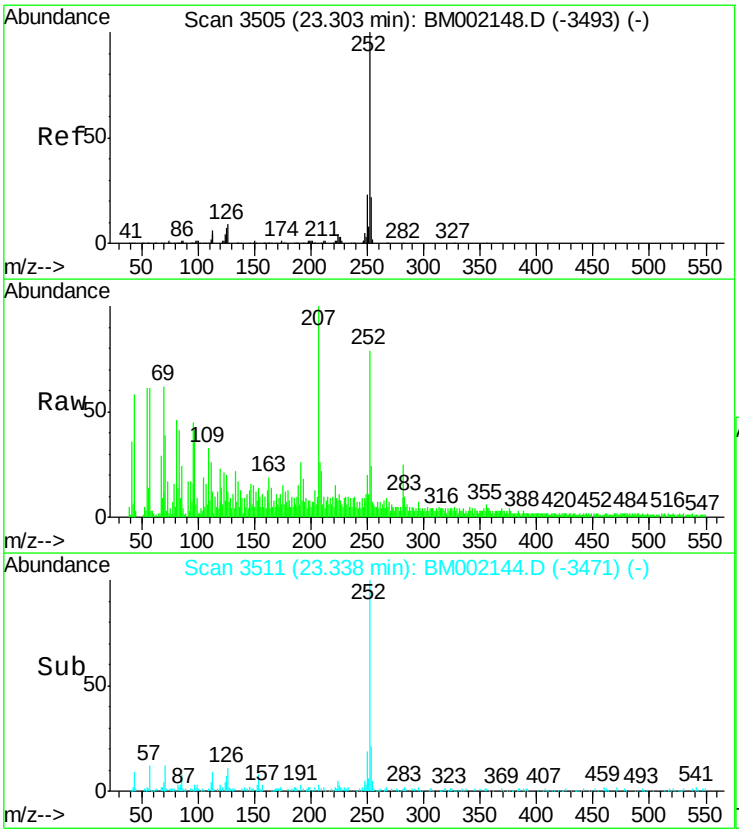
Tgt Ion:252 Resp: 80906

Ion	Ratio	Lower	Upper
252	100		
253	25.5	16.9	25.3#
125	20.4	6.2	9.2#



Instrument :
BNA_M
ClientSampleId :
C02D9DL

Manual Integrations APPROVED
MMDadoda
8/3/2015 11:54:20 AM



#91
Benzo(a)pyrene
Concen: 2.38 ng/ul
RT: 23.34 min Scan# 3511
Delta R.T. 0.04 min
Lab File: BM002144.D
Acq: 30 Jul 2015 19:47

Tgt Ion:252 Resp: 46974

Ion	Ratio	Lower	Upper
252	100		
253	30.6	17.2	25.8#
125	25.1	6.6	10.0#