Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM080315\
Data File : BM002205.D
Acq On : 03 Aug 2015 19:49
Operator : TP/UM
Sample : G3095-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3

Manual Integrations APPROVED
MMDadoda
8/6/2015 4:16:26 PM

Quant Time: Aug 14 03:44:39 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 04 02:31:26 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	94249	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	373622	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.21	164	206604	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.97	188	426945	20.00	ng/ul	0.01
78) Chrysene-d12	21.19	240	552819	20.00	ng/ul	0.02
86) Perylene-d12	23.39	264	564785	20.00	ng/ul	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.98	96	2669	1.47	ng/uL	0.00
5) Phenol-d5	6.72	99	72765	10.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	36922	9.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	62095	10.87	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	59598	11.13	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	28866	10.87	ng/ul	0.00
22) 2-Nitrophenol-d4	9.42	143	32537	11.03	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	63352	11.15	ng/ul	0.00
29) 4-Chloroaniline-d4	10.47	131	52219	8.36	ng/ul	0.01
44) Dimethylphthalate-d6	13.62	166	171126	11.31	ng/ul	0.00
47) Acenaphthylene-d8	13.90	160	209574	11.08	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	19816	7.84	ng/ul	0.02
58) Fluorene-d10	15.21	176	143191	10.75	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.38	200	667	0.26	ng/ul	0.03
71) Anthracene-d10	17.07	188	210905	11.07	ng/ul	0.02
79) Pyrene-d10	19.38	212	239460	10.29	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.26	264	283582	10.36	ng/ul	0.05
Target Compounds						Qvalue
6) Phenol	6.75	94	8624	1.25	ng/ul	95
14) Acetophenone	8.36	105	10656	1.26	ng/ul	98
28) Naphthalene	10.37	128	1614098	90.94	ng/ul	100
34) 2-Methylnaphthalene	12.00	142	220700	17.09	ng/ul	99
41) 1,1'-Biphenyl	13.03	154	84013	5.28	ng/ul	98
45) Dimethylphthalate	13.67	163	57999	3.84	ng/ul	100
48) Acenaphthylene	13.93	152	81747	4.19	ng/ul	98
50) Acenaphthene	14.28	153	1255584	98.10	ng/ul	98
54) Dibenzofuran	14.61	168	624757	34.04	ng/ul	98
59) Fluorene	15.27	166	833352	54.93	ng/ul	99
70) Phenanthrene	17.03	178	8193054	370.49	ng/ul	96
72) Anthracene	17.11	178	1957129	86.57	ng/ul	100
75) Carbazole	17.38	167	1012834	52.45	ng/ul	99
77) Fluoranthene	19.07	202	11310394m	442.95	ng/ul	
80) Pyrene	19.43	202	9764537	324.60	ng/ul#	92
83) Benzo(a)anthracene	21.18	228	5817140	189.82	ng/ul	96
85) Chrysene	21.24	228	5489263m	191.45	ng/ul	
88) Benzo(b)fluoranthene	22.76	252	7574316	238.67	ng/ul	96
89) Benzo(k)fluoranthene	22.79	252	2397772	78.31	ng/ul	96
91) Benzo(a)pyrene	23.32	252	5610444	183.15	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	25.65	276	3767091	106.72	ng/ul#	95
93) Dibenzo(a,h)anthracene	25.63	278	949410	31.43	ng/ul#	92
94) Benzo(g,h,i)perylene	26.34	276	3359773	113.54	ng/ul	95

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM080315\
Data File : BM002205.D
Acq On : 03 Aug 2015 19:49
Operator : TP/UM
Sample : G3095-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C01S3

Manual Integrations APPROVED
MMDadoda
8/6/2015 4:16:26 PM

Quant Time: Aug 14 03:44:39 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 04 02:31:26 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

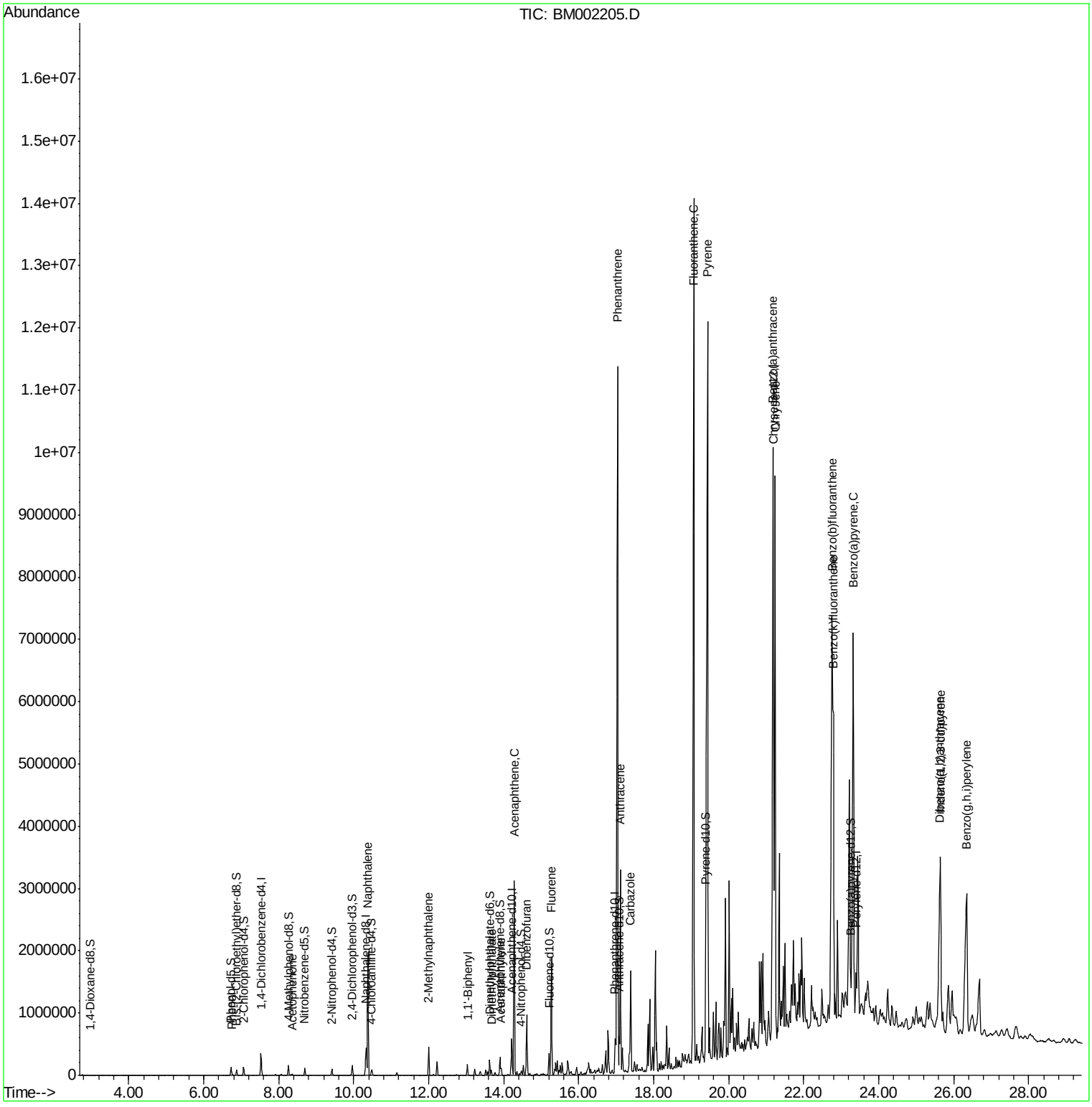
Quantitation Report (LSC Reviewed)

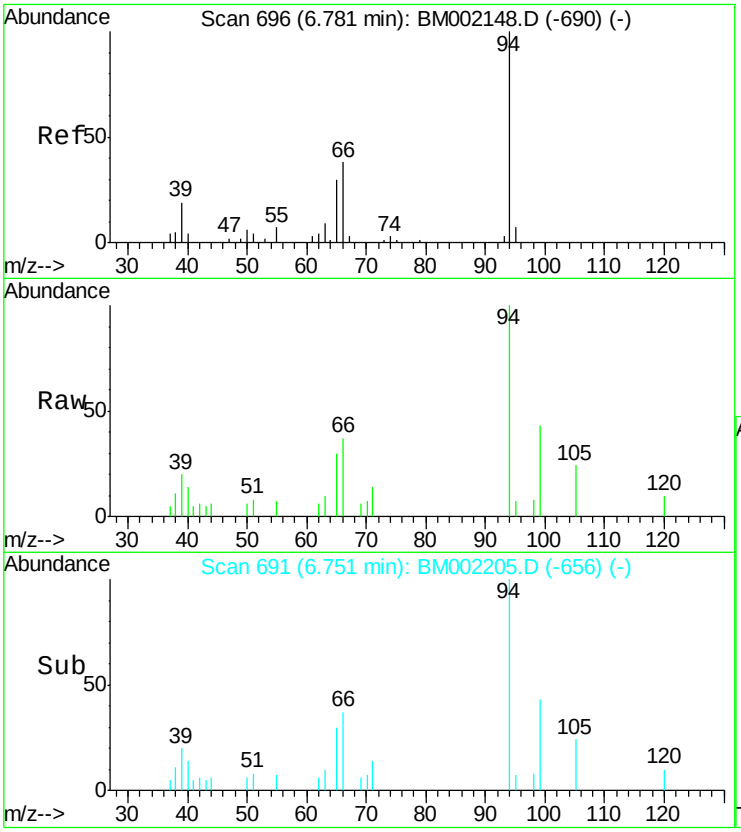
Data Path : Z:\HPCHEM1\BNA_M\Data\BM080315\
Data File : BM002205.D
Acq On : 03 Aug 2015 19:49
Operator : TP/UM
Sample : G3095-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 14 03:44:39 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 04 02:31:26 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C01S3

Manual Integrations APPROVED
MMDadoda
8/6/2015 4:16:26 PM

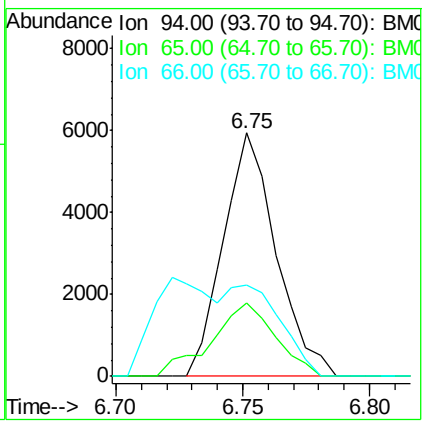




#6
Phenol
Concen: 1.25 ng/ul
RT: 6.75 min Scan# 691
Delta R.T. 0.01 min
Lab File: BM002205.D
Acq: 03 Aug 2015 19:49

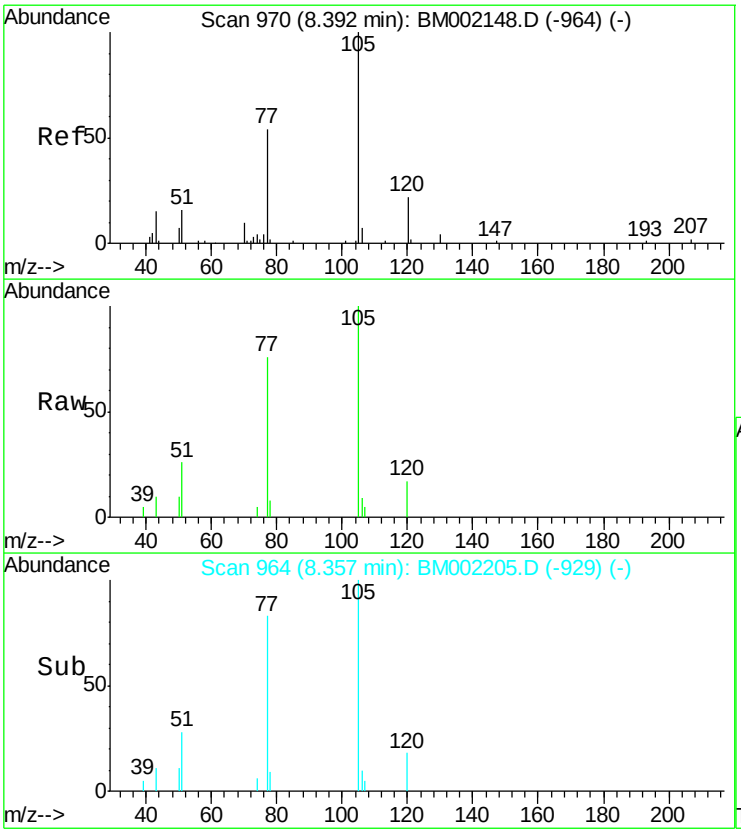
Tgt Ion: 94 Resp: 8624

Ion	Ratio	Lower	Upper
94	100		
65	30.1	21.8	32.8
66	37.3	32.3	48.5



Instrument :
BNA_M
ClientSampleId :
C01S3

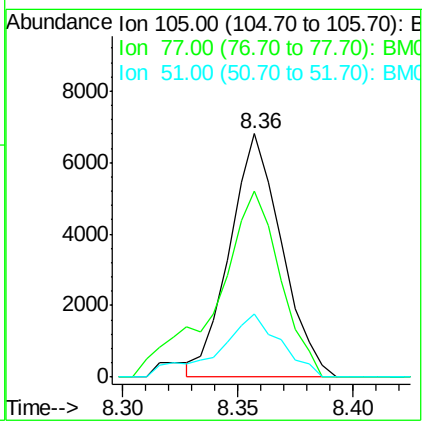
Manual Integrations APPROVED
MMDadoda
8/6/2015 4:16:26 PM

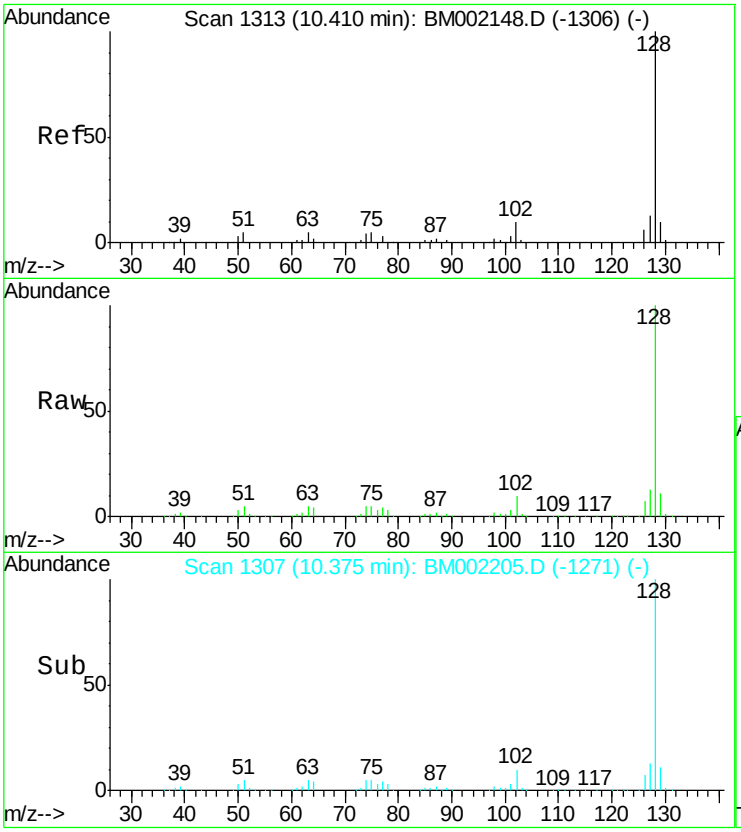


#14
Acetophenone
Concen: 1.26 ng/ul
RT: 8.36 min Scan# 964
Delta R.T. 0.01 min
Lab File: BM002205.D
Acq: 03 Aug 2015 19:49

Tgt Ion:105 Resp: 10656

Ion	Ratio	Lower	Upper
105	100		
77	76.5	61.8	92.8
51	25.7	18.5	27.7

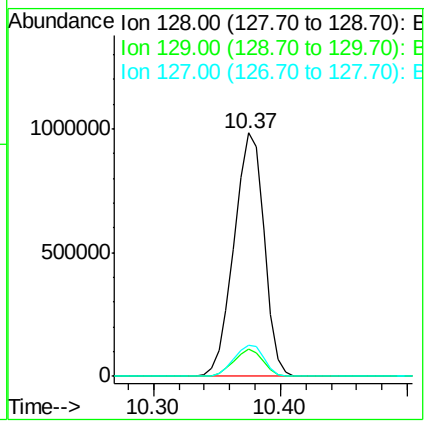




#28
Naphthalene
Concen: 90.94 ng/ul
RT: 10.37 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BM002205.D
Acq: 03 Aug 2015 19:49

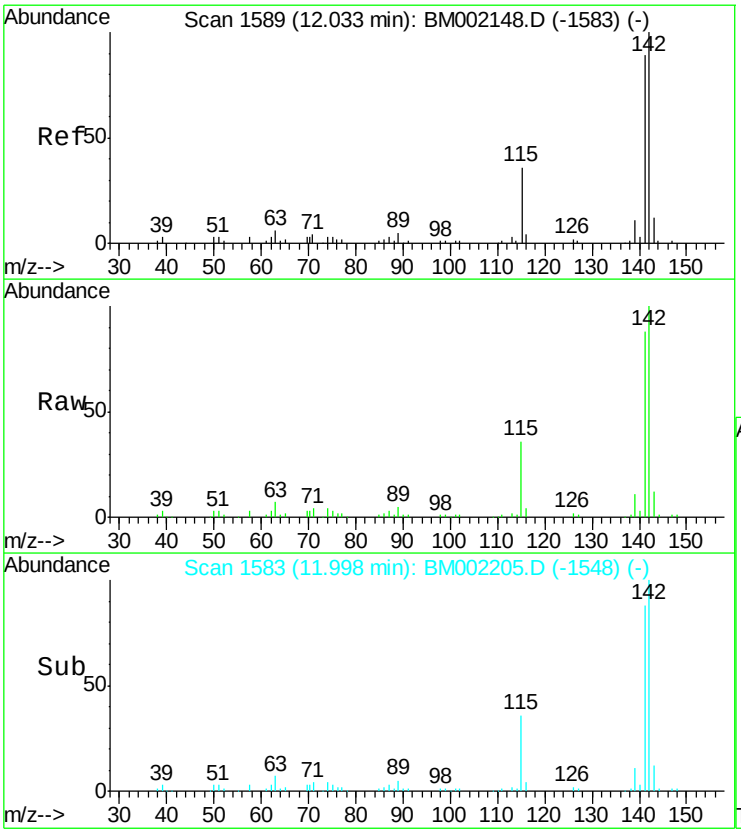
Tgt Ion:128 Resp: 1614098

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.4
127	12.8	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
C01S3

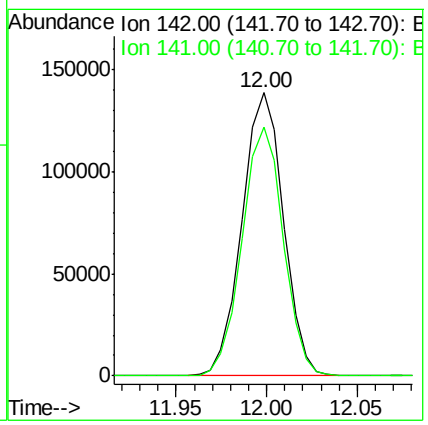
Manual Integrations APPROVED
MMDadoda
8/6/2015 4:16:26 PM

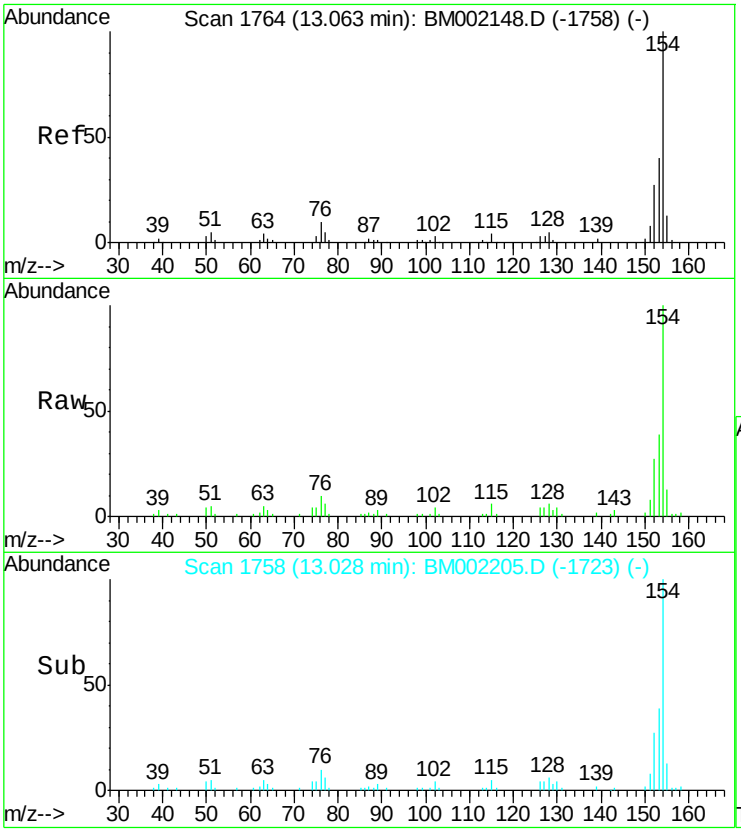


#34
2-Methylnaphthalene
Concen: 17.09 ng/ul
RT: 12.00 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BM002205.D
Acq: 03 Aug 2015 19:49

Tgt Ion:142 Resp: 220700

Ion	Ratio	Lower	Upper
142	100		
141	88.1	69.8	104.6

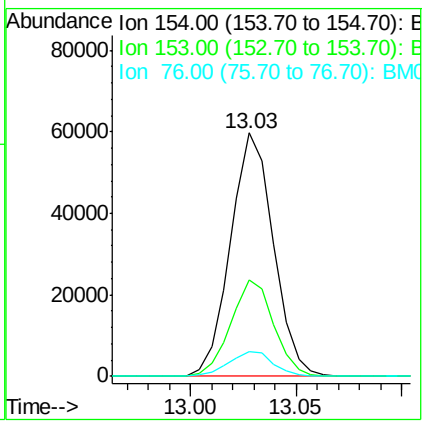




#41
1,1'-Biphenyl
Concen: 5.28 ng/ul
RT: 13.03 min Scan# 1758
Delta R.T. 0.01 min
Lab File: BM002205.D
Acq: 03 Aug 2015 19:49

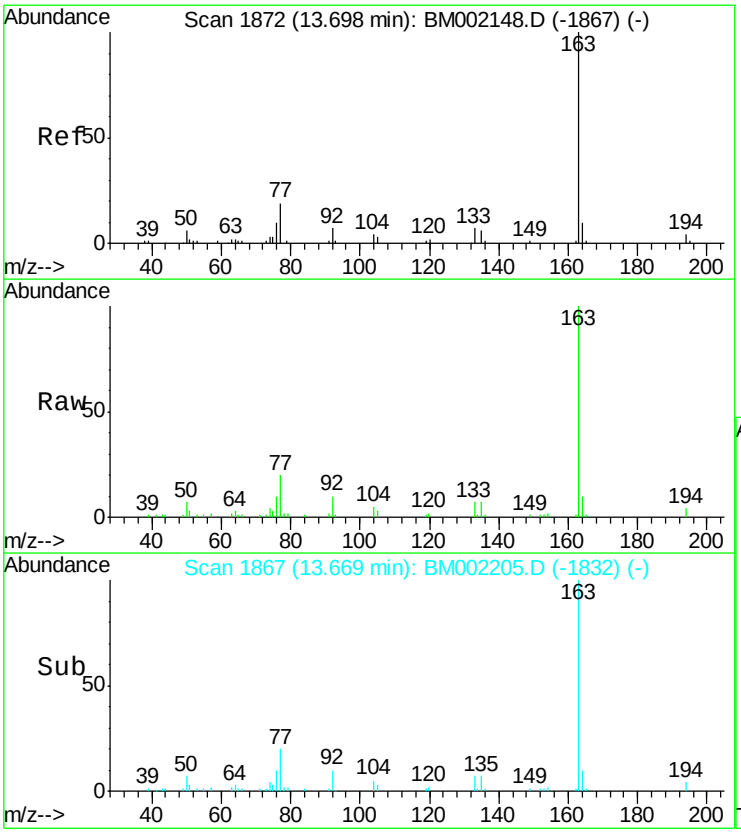
Tgt Ion:154 Resp: 84013

Ion	Ratio	Lower	Upper
154	100		
153	39.4	32.5	48.7
76	10.3	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
C01S3

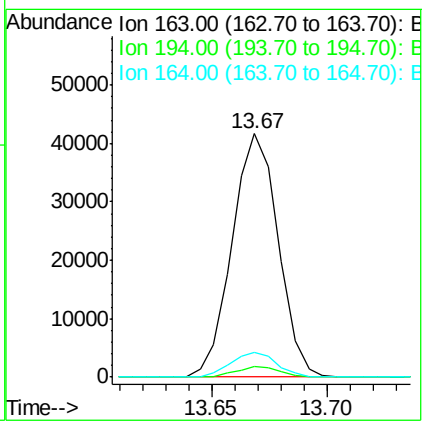
Manual Integrations APPROVED
MMDadoda
8/6/2015 4:16:26 PM

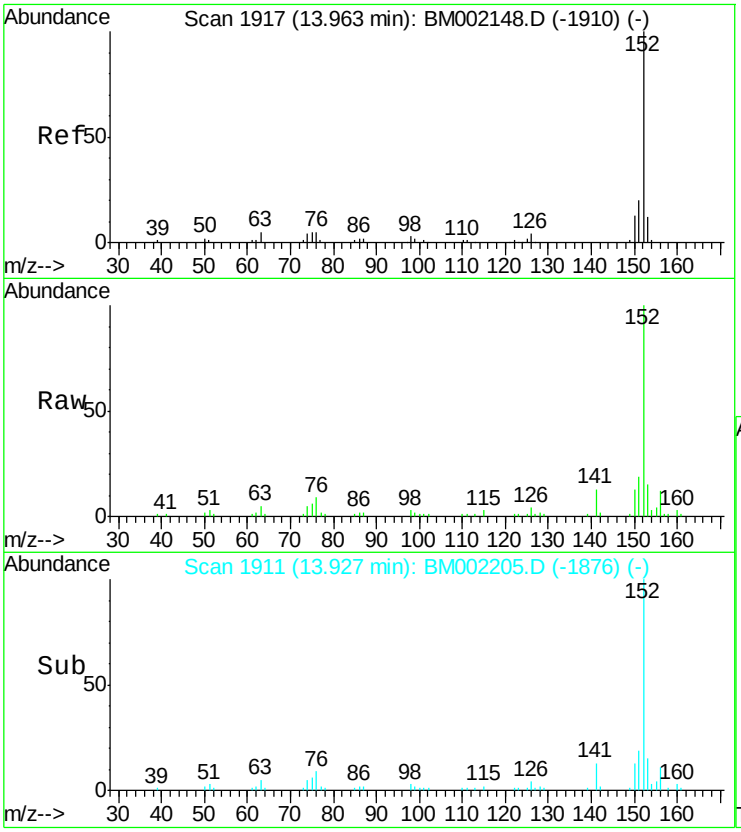


#45
Dimethylphthalate
Concen: 3.84 ng/ul
RT: 13.67 min Scan# 1867
Delta R.T. 0.01 min
Lab File: BM002205.D
Acq: 03 Aug 2015 19:49

Tgt Ion:163 Resp: 57999

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.2	8.0	12.0

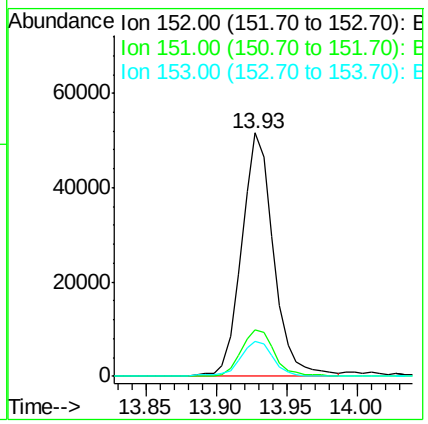




#48
Acenaphthylene
Concen: 4.19 ng/ul
RT: 13.93 min Scan# 1911
Delta R.T. 0.01 min
Lab File: BM002205.D
Acq: 03 Aug 2015 19:49

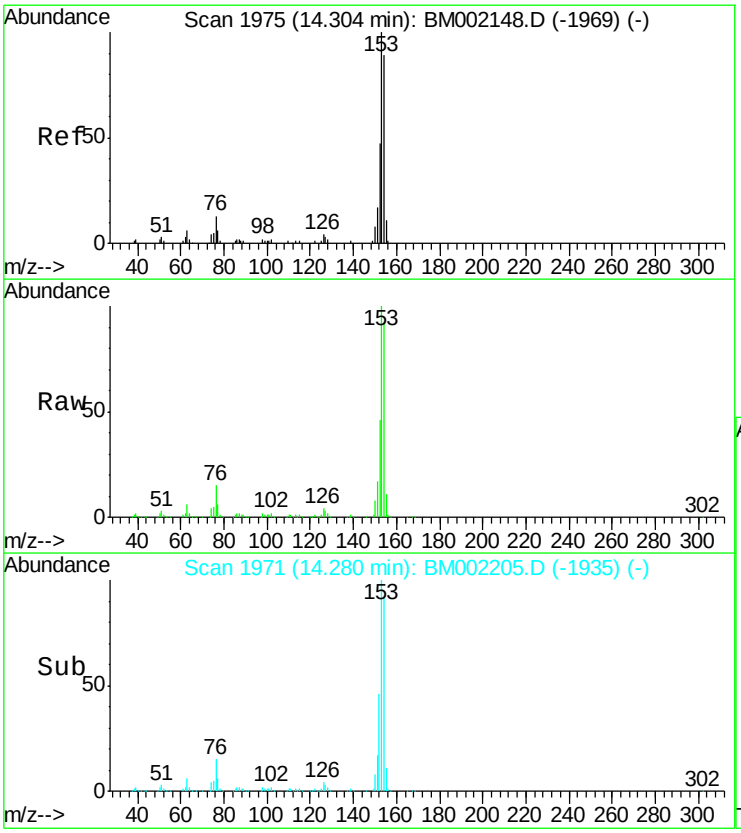
Tgt Ion:152 Resp: 81747

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.6	23.4
153	14.6	10.3	15.5



Instrument :
BNA_M
ClientSampleId :
C01S3

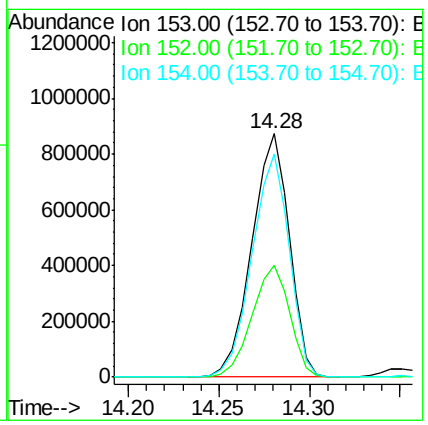
Manual Integrations APPROVED
MMDadoda
8/6/2015 4:16:26 PM

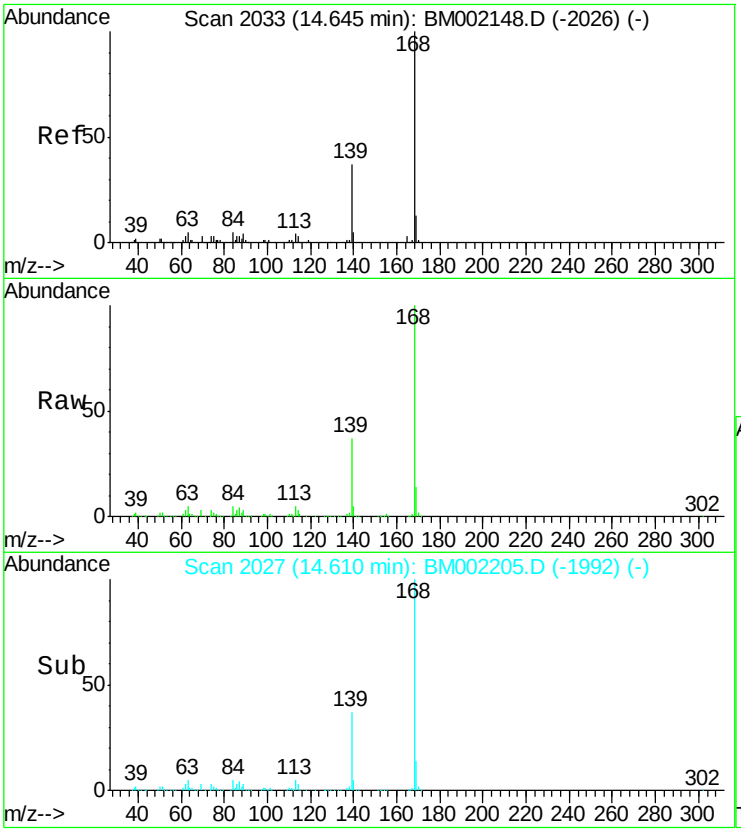


#50
Acenaphthene
Concen: 98.10 ng/ul
RT: 14.28 min Scan# 1971
Delta R.T. 0.01 min
Lab File: BM002205.D
Acq: 03 Aug 2015 19:49

Tgt Ion:153 Resp: 1255584

Ion	Ratio	Lower	Upper
153	100		
152	46.1	37.3	55.9
154	91.7	71.4	107.2





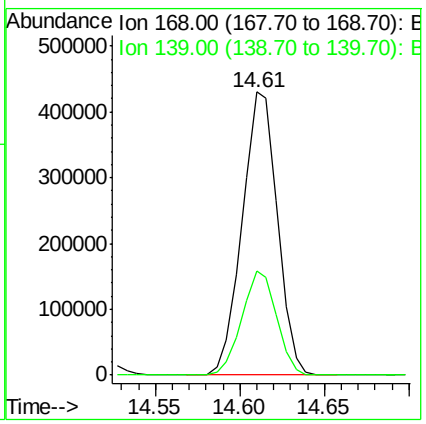
#54
Dibenzofuran
Concen: 34.04 ng/ul
RT: 14.61 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BM002205.D
Acq: 03 Aug 2015 19:49

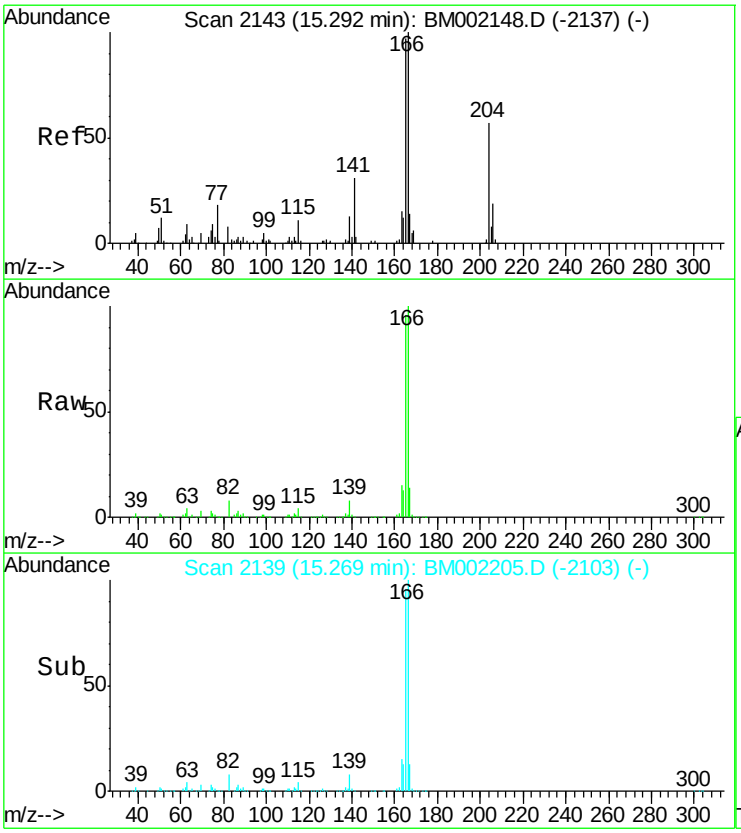
Tgt Ion:168 Resp: 624757

Ion	Ratio	Lower	Upper
168	100		
139	36.6	28.2	42.2

Instrument :
BNA_M
ClientSampleId :
C01S3

Manual Integrations APPROVED
MMDadoda
8/6/2015 4:16:26 PM

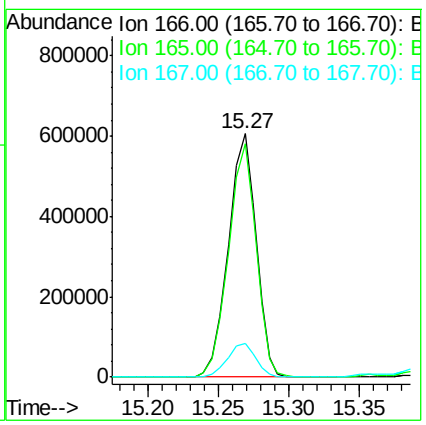


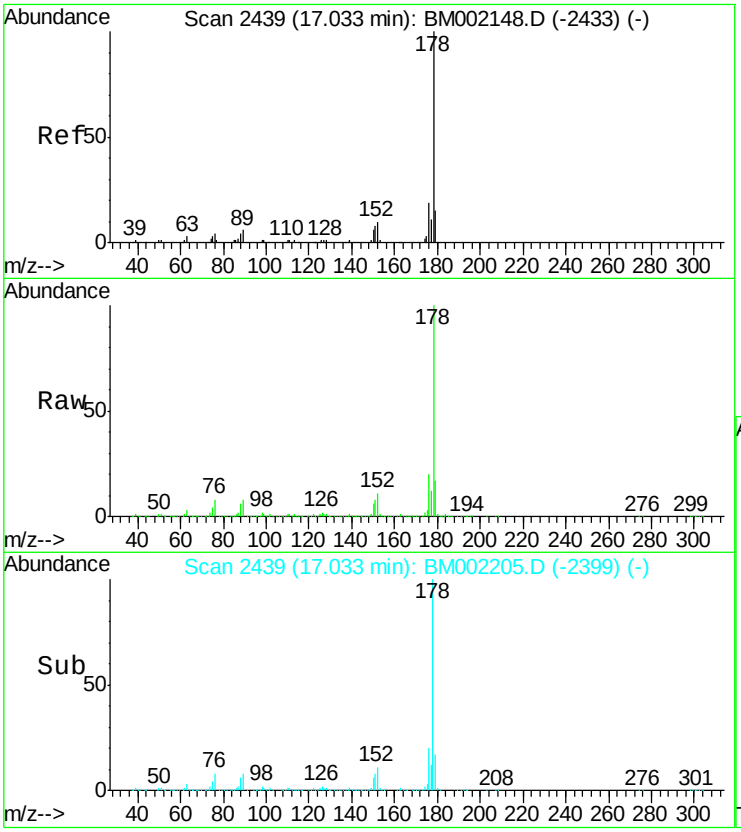


#59
Fluorene
Concen: 54.93 ng/ul
RT: 15.27 min Scan# 2139
Delta R.T. 0.01 min
Lab File: BM002205.D
Acq: 03 Aug 2015 19:49

Tgt Ion:166 Resp: 833352

Ion	Ratio	Lower	Upper
166	100		
165	95.7	75.6	113.4
167	13.6	10.5	15.7

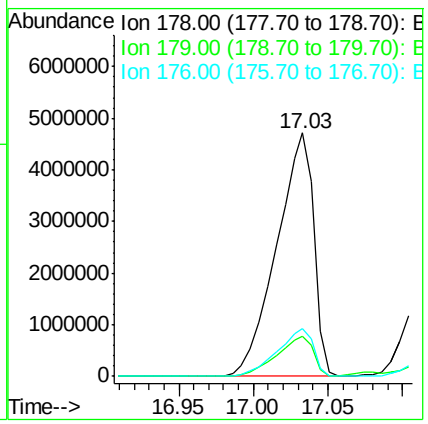




#70
Phenanthrene
Concen: 370.49 ng/ul
RT: 17.03 min Scan# 2439
Delta R.T. 0.04 min
Lab File: BM002205.D
Acq: 03 Aug 2015 19:49

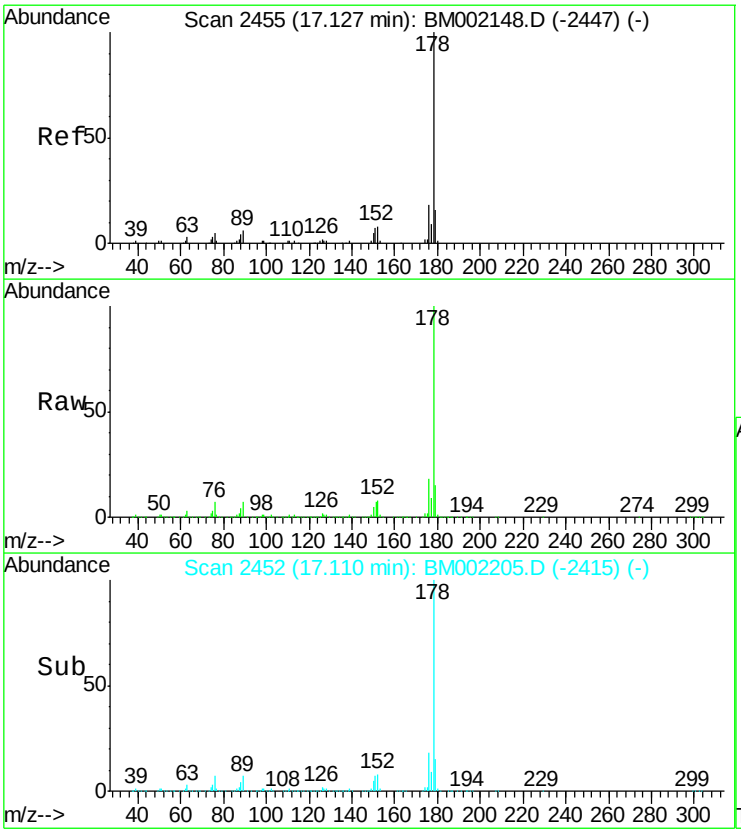
Tgt Ion:178 Resp: 8193054

Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.5	18.7
176	19.8	14.2	21.4



Instrument :
BNA_M
ClientSampleId :
C01S3

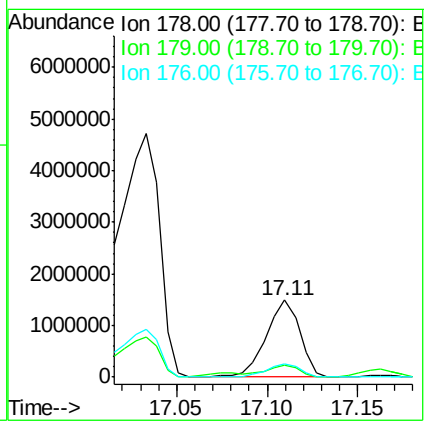
Manual Integrations APPROVED
MMDadoda
8/6/2015 4:16:26 PM

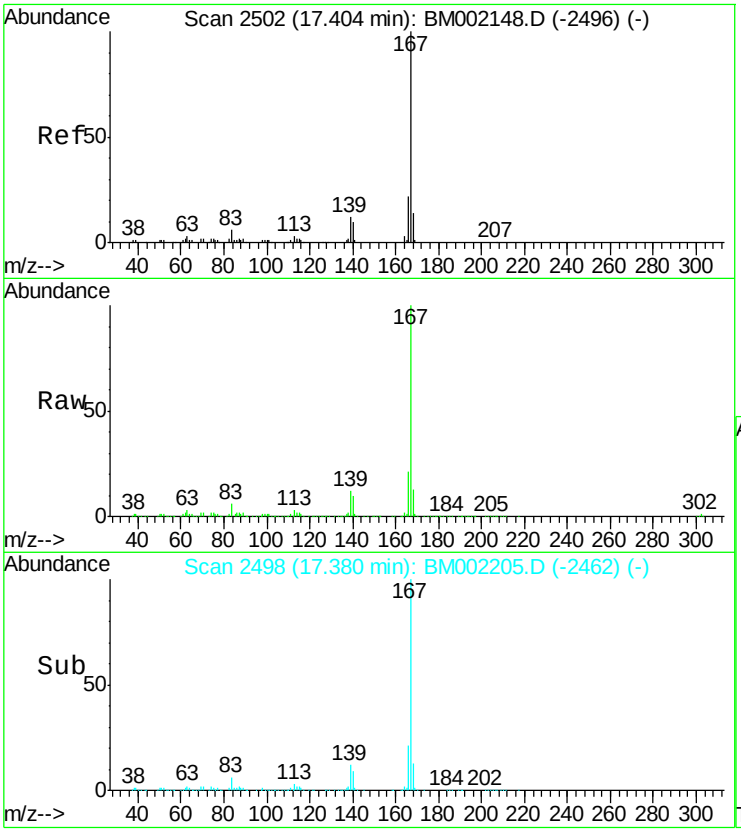


#72
Anthracene
Concen: 86.57 ng/ul
RT: 17.11 min Scan# 2452
Delta R.T. 0.02 min
Lab File: BM002205.D
Acq: 03 Aug 2015 19:49

Tgt Ion:178 Resp: 1957129

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.1	18.1
176	17.6	14.1	21.1

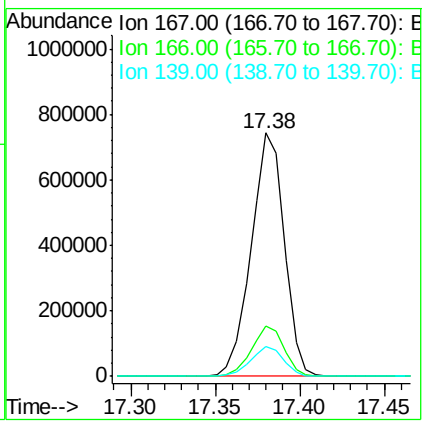




#75
Carbazole
Concen: 52.45 ng/ul
RT: 17.38 min Scan# 2498
Delta R.T. 0.01 min
Lab File: BM002205.D
Acq: 03 Aug 2015 19:49

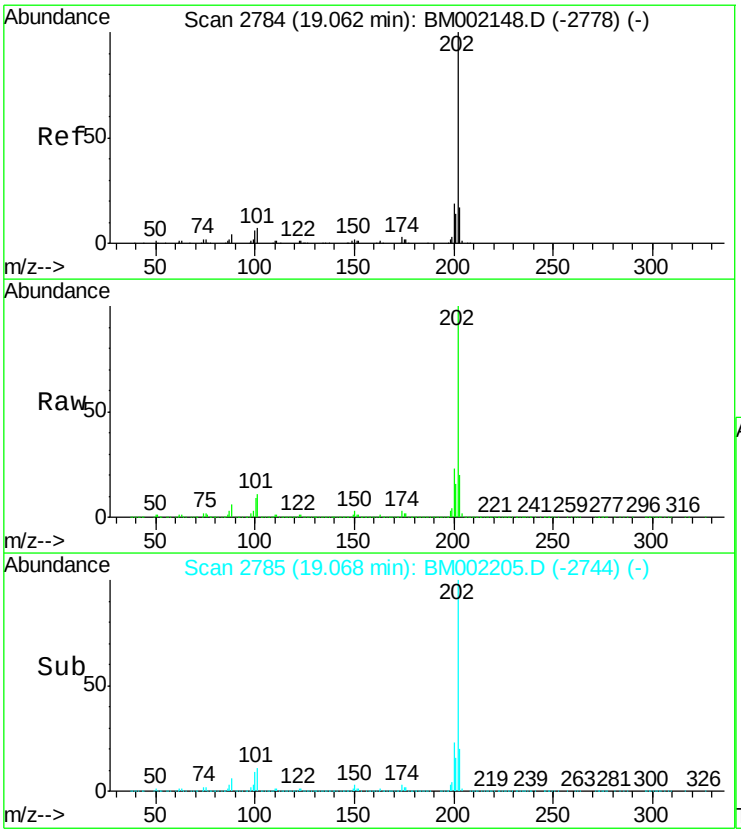
Tgt Ion:167 Resp: 1012834

Ion	Ratio	Lower	Upper
167	100		
166	20.6	16.2	24.4
139	12.4	9.6	14.4



Instrument :
BNA_M
ClientSampleId :
C01S3

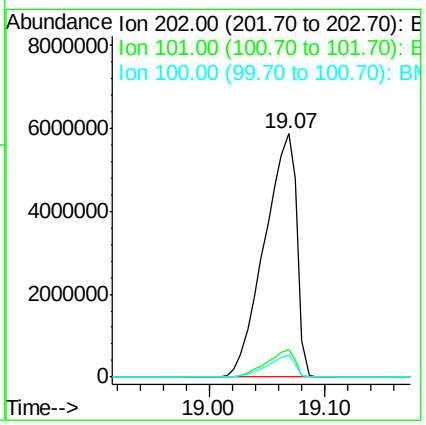
Manual Integrations APPROVED
MMDadoda
8/6/2015 4:16:26 PM

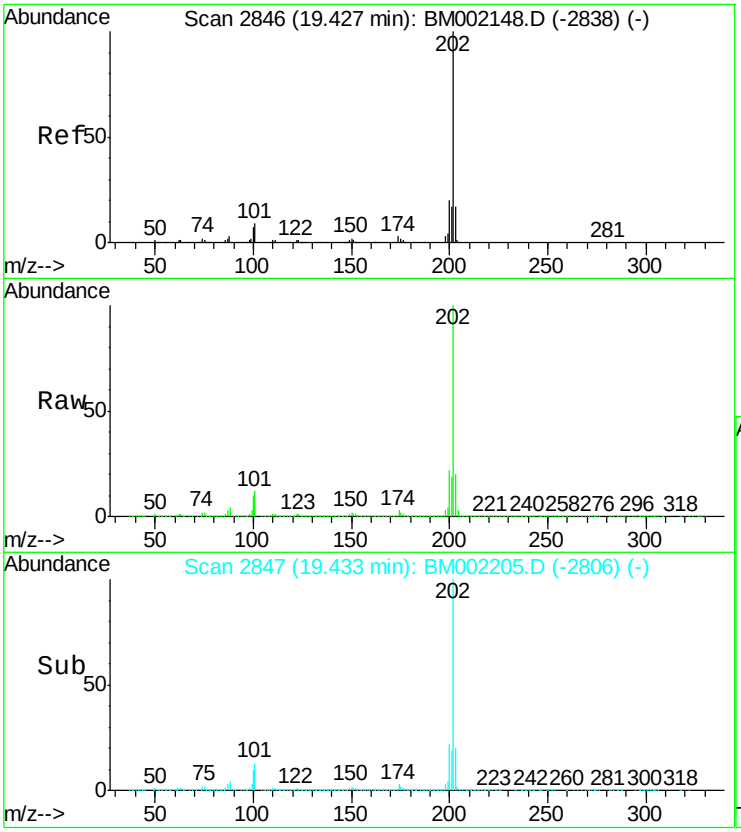


#77
Fluoranthene
Concen: 442.95 ng/ul m
RT: 19.07 min Scan# 2785
Delta R.T. 0.04 min
Lab File: BM002205.D
Acq: 03 Aug 2015 19:49

Tgt Ion:202 Resp:11310394

Ion	Ratio	Lower	Upper
202	100		
101	11.4	6.2	9.4#
100	8.9	5.2	7.8#

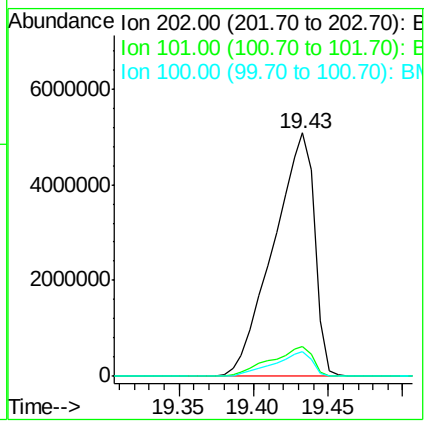




#80
Pyrene
Concen: 324.60 ng/ul
RT: 19.43 min Scan# 2847
Delta R.T. 0.04 min
Lab File: BM002205.D
Acq: 03 Aug 2015 19:49

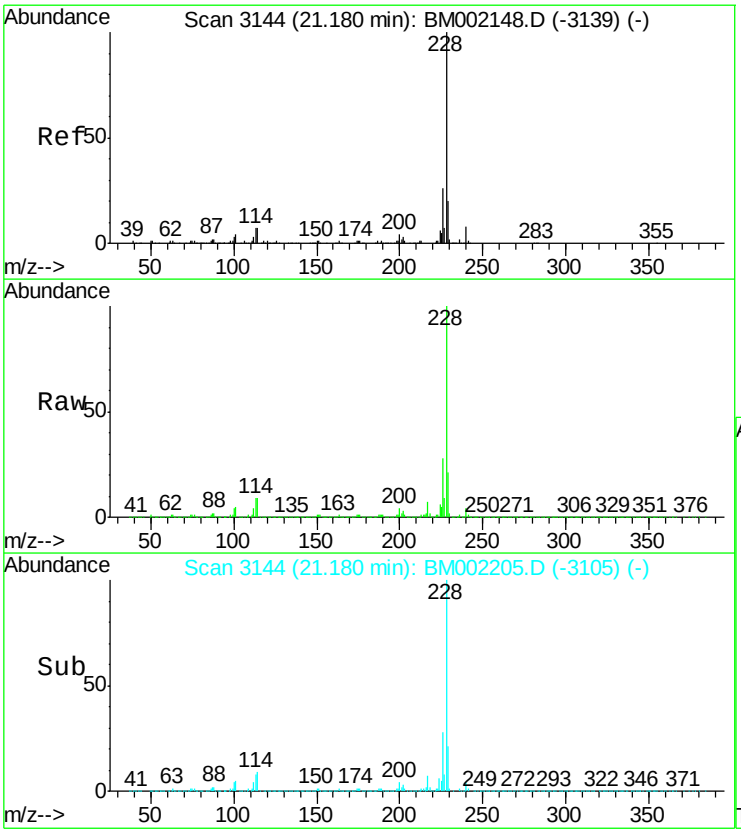
Tgt Ion:202 Resp: 9764537

Ion	Ratio	Lower	Upper
202	100		
101	12.5	7.4	11.2#
100	10.2	6.3	9.5#



Instrument :
BNA_M
ClientSampleId :
C01S3

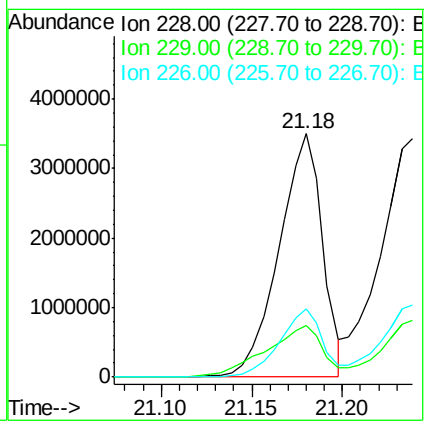
Manual Integrations APPROVED
MMDadoda
8/6/2015 4:16:26 PM

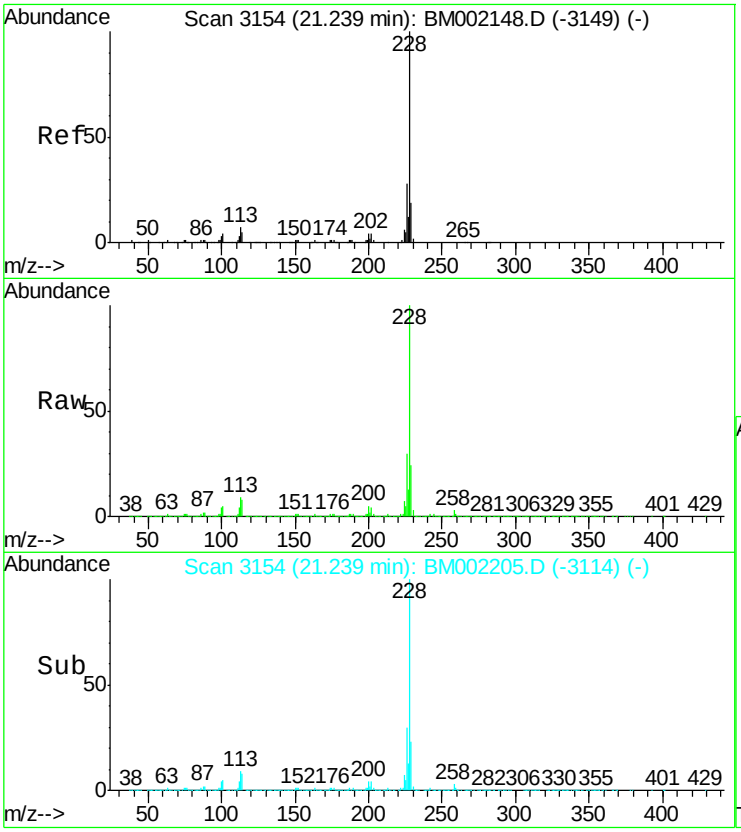


#83
Benzo(a)anthracene
Concen: 189.82 ng/ul
RT: 21.18 min Scan# 3144
Delta R.T. 0.03 min
Lab File: BM002205.D
Acq: 03 Aug 2015 19:49

Tgt Ion:228 Resp: 5817140

Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.4	23.2
226	27.9	20.5	30.7





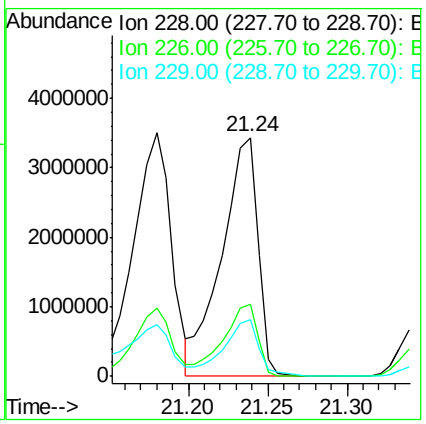
#85
Chrysene
Concen: 191.45 ng/ul m
RT: 21.24 min Scan# 3154
Delta R.T. 0.04 min
Lab File: BM002205.D
Acq: 03 Aug 2015 19:49

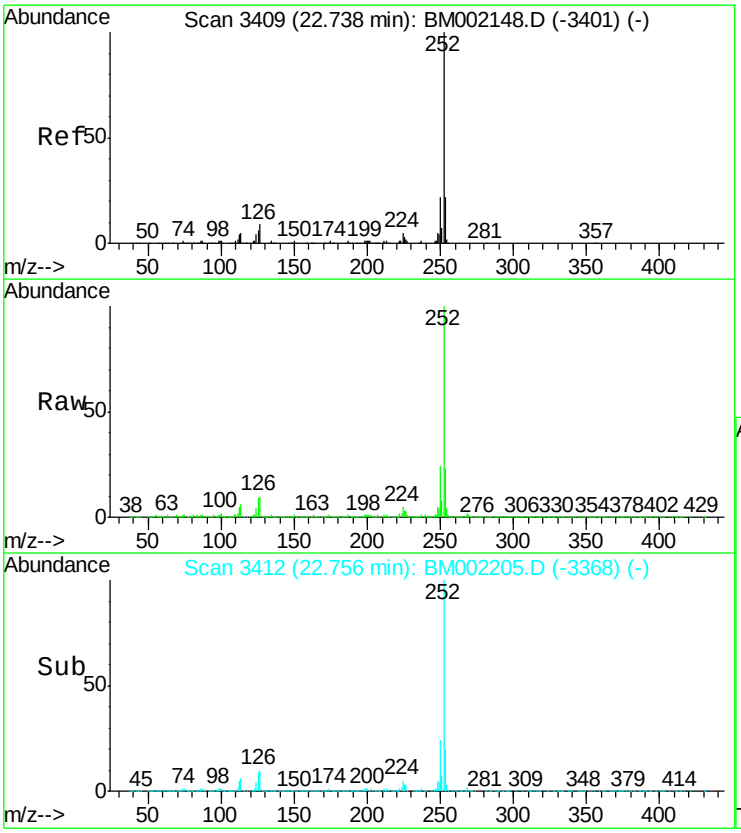
Tgt Ion:228 Resp: 5489263

Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.3	33.5
229	23.6	15.5	23.3#

Instrument :
BNA_M
ClientSampleId :
C01S3

Manual Integrations APPROVED
MMDadoda
8/6/2015 4:16:26 PM

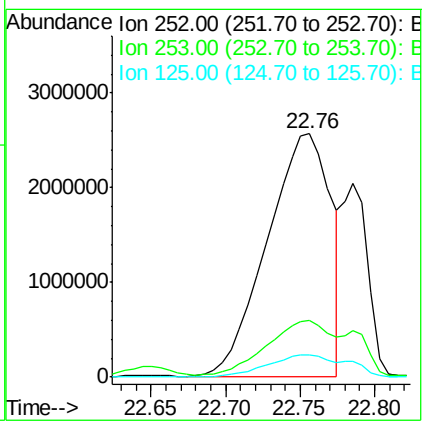


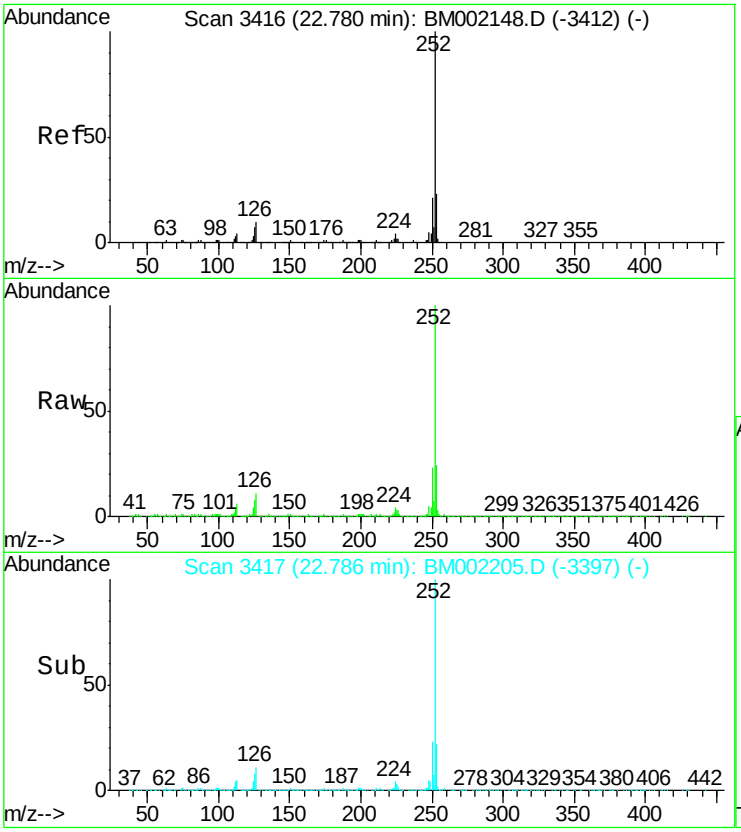


#88
Benzo(b)fluoranthene
Concen: 238.67 ng/ul
RT: 22.76 min Scan# 3412
Delta R.T. 0.06 min
Lab File: BM002205.D
Acq: 03 Aug 2015 19:49

Tgt Ion:252 Resp: 7574316

Ion	Ratio	Lower	Upper
252	100		
253	23.2	16.9	25.3
125	9.0	6.2	9.2

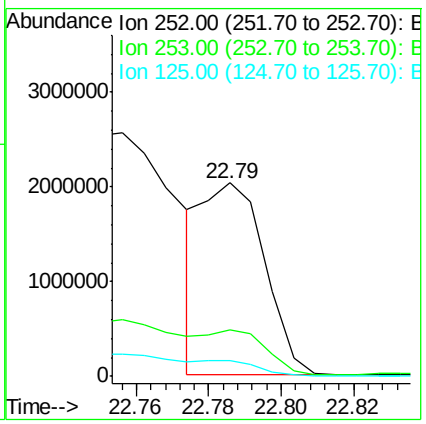




#89
Benzo(k)fluoranthene
Concen: 78.31 ng/ul
RT: 22.79 min Scan# 3417
Delta R.T. 0.05 min
Lab File: BM002205.D
Acq: 03 Aug 2015 19:49

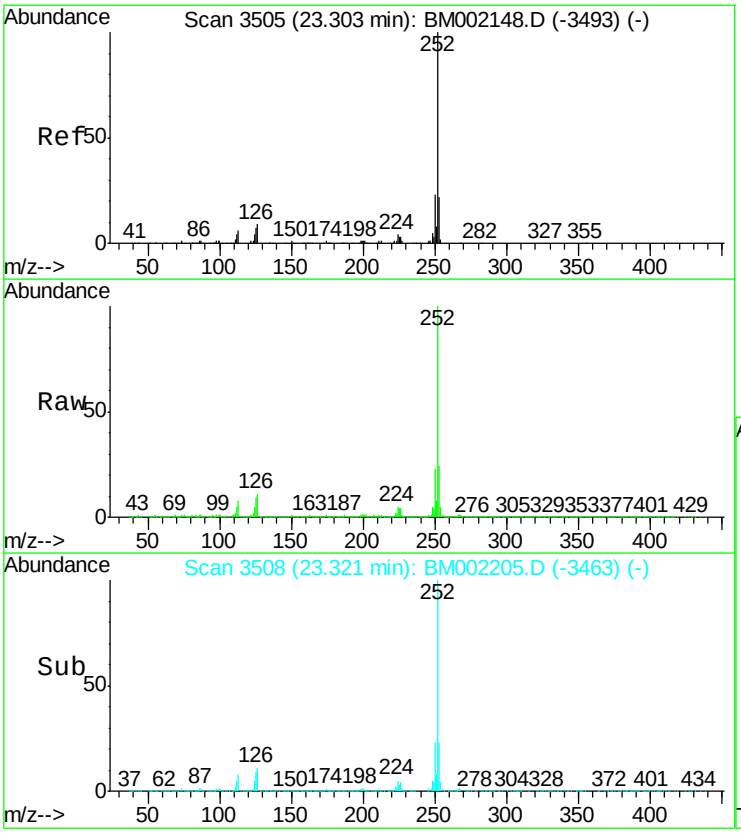
Tgt Ion:252 Resp: 2397772

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.0
125	8.2	6.2	9.4



Instrument :
BNA_M
ClientSampleId :
C01S3

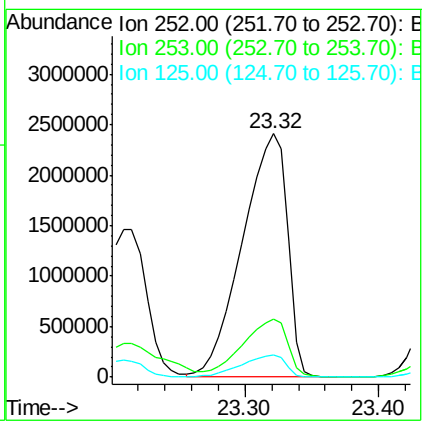
Manual Integrations APPROVED
MMDadoda
8/6/2015 4:16:26 PM

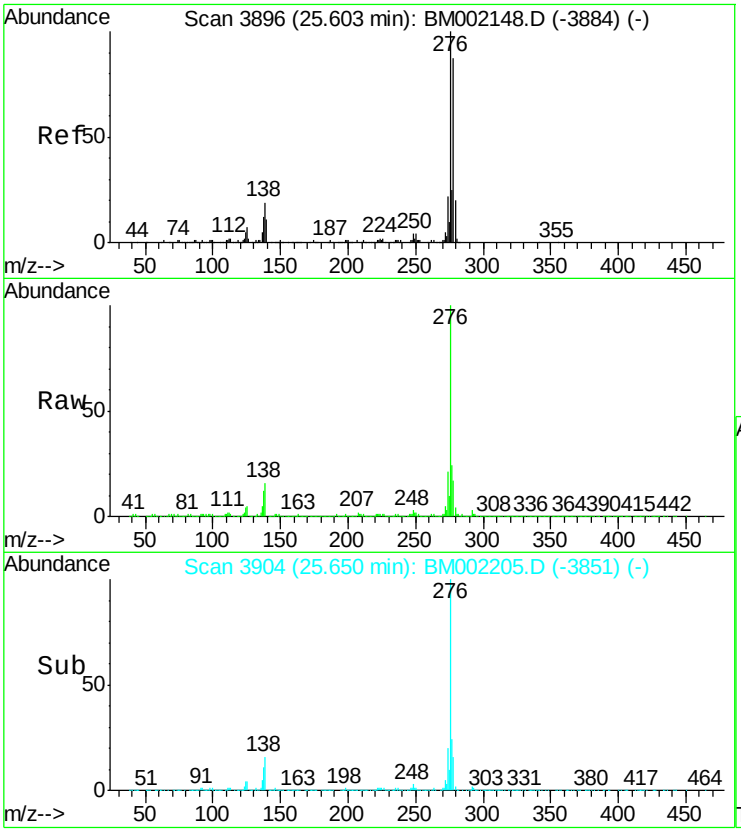


#91
Benzo(a)pyrene
Concen: 183.15 ng/ul
RT: 23.32 min Scan# 3508
Delta R.T. 0.06 min
Lab File: BM002205.D
Acq: 03 Aug 2015 19:49

Tgt Ion:252 Resp: 5610444

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.2	25.8
125	9.2	6.6	10.0

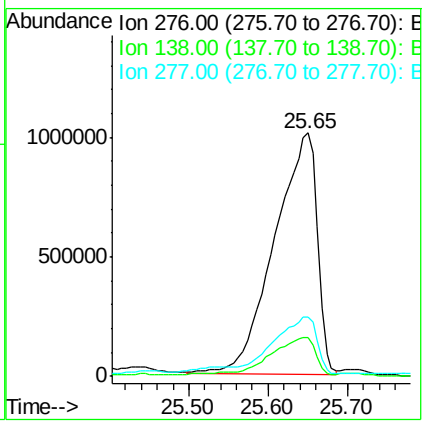




#92
Indeno(1,2,3-cd)pyrene
Concen: 106.72 ng/ul
RT: 25.65 min Scan# 3904
Delta R.T. 0.11 min
Lab File: BM002205.D
Acq: 03 Aug 2015 19:49

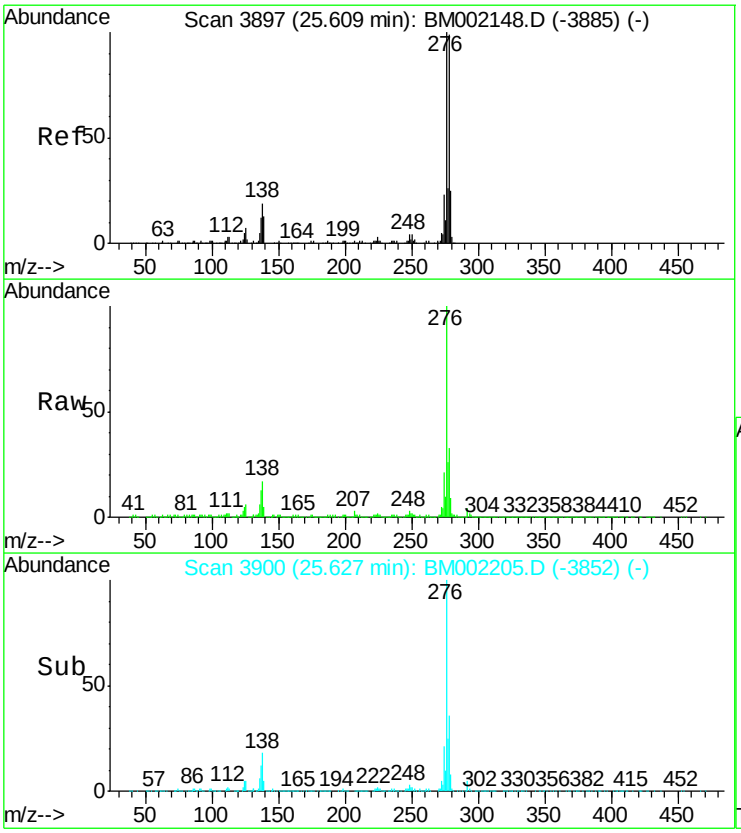
Tgt Ion:276 Resp: 3767091

Ion	Ratio	Lower	Upper
276	100		
138	15.9	16.2	24.2#
277	24.4	19.8	29.8



Instrument :
BNA_M
ClientSampleId :
C01S3

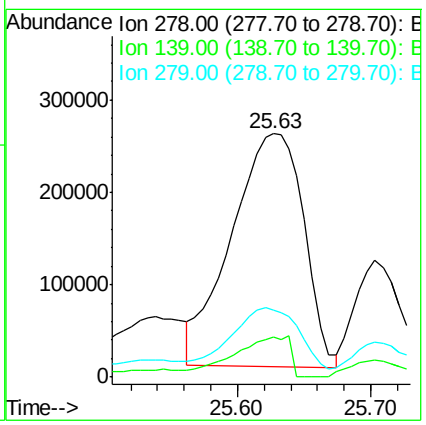
Manual Integrations APPROVED
MMDadoda
8/6/2015 4:16:26 PM

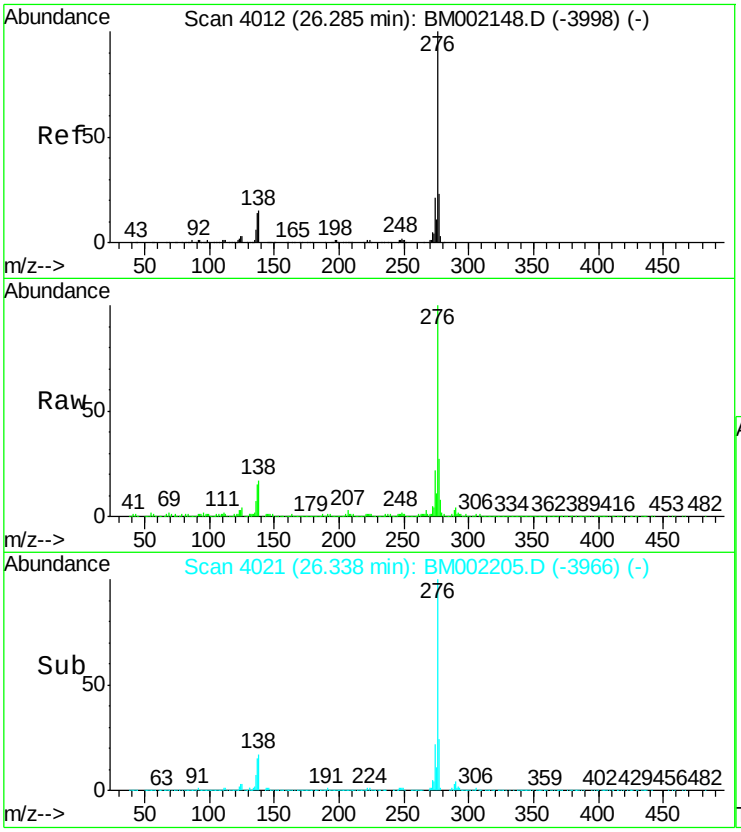


#93
Dibenzo(a,h)anthracene
Concen: 31.43 ng/ul
RT: 25.63 min Scan# 3900
Delta R.T. 0.08 min
Lab File: BM002205.D
Acq: 03 Aug 2015 19:49

Tgt Ion:278 Resp: 949410

Ion	Ratio	Lower	Upper
278	100		
139	16.3	10.6	16.0#
279	27.4	18.5	27.7

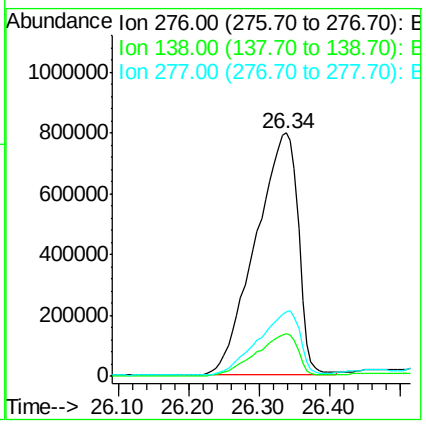




#94
Benzo(g,h,i)perylene
Concen: 113.54 ng/ul
RT: 26.34 min Scan# 4021
Delta R.T. 0.12 min
Lab File: BM002205.D
Acq: 03 Aug 2015 19:49

Tgt Ion:276 Resp: 3359773

Ion	Ratio	Lower	Upper
276	100		
138	17.3	13.8	20.6
277	26.5	18.2	27.2



Instrument :
BNA_M
ClientSampleId :
C01S3

Manual Integrations APPROVED
MMDadoda
8/6/2015 4:16:26 PM