Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007447.D
Acq On : 07 Sep 2016 20:06
Operator : UM/SJ
Sample : H4666-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A7

Manual Integrations APPROVED
umangi
9/8/2016 12:54:25 PM

Quant Time: Sep 08 03:27:49 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 08 03:10:54 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	216243	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	1096268	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	769089	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	1952353	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	2483086	20.00	ng/ul	0.00
83) Perylene-d12	23.62	264	2314356	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.30	96	8011	1.89	ng/uL	0.00
5) Phenol-d5	6.96	99	254868	12.48	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	183684	17.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	220606	14.61	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	164020	9.21	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	133047	16.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	137406	14.62	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	254641	13.61	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	5663	0.24	ng/ul	0.01
43) Dimethylphthalate-d6	13.83	166	978298	14.74	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	1360984	17.70	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	24833	1.98	ng/ul	0.00
57) Fluorene-d10	15.42	176	1051570	18.32	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	98103	7.99	ng/ul	0.00
70) Anthracene-d10	17.26	188	1660813	18.21	ng/ul	0.00
76) Pyrene-d10	19.56	212	2138668	20.60	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.47	264	1782387	16.72	ng/ul	0.00
Target Compounds						Qvalue
4) Benzaldehyde	6.94	77	16609	1.43	ng/ul#	86
28) Naphthalene	10.63	128	247072	4.53	ng/ul	98
34) 2-Methylnaphthalene	12.24	142	202631	4.54	ng/ul	99
40) 1,1'-Biphenyl	13.25	154	63741	1.07	ng/ul	95
44) Dimethylphthalate	13.87	163	604417	9.15	ng/ul	99
53) Dibenzofuran	14.82	168	243830	3.16	ng/ul	98
69) Phenanthrene	17.21	178	913053	8.71	ng/ul	100
74) Fluoranthene	19.22	202	1111603	8.45	ng/ul	99
77) Pyrene	19.59	202	638475	4.79	ng/ul	99
80) Benzo(a)anthracene	21.33	228	417709m	2.85	ng/ul	
82) Chrysene	21.39	228	1428221m	10.77	ng/ul	
85) Benzo(b)fluoranthene	22.93	252	1493430	10.91	ng/ul	99
86) Benzo(k)fluoranthene	22.97	252	282349m	2.23	ng/ul	
88) Benzo(a)pyrene	23.52	252	192310	1.47	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	25.90	276	189150	1.18	ng/ul	98

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

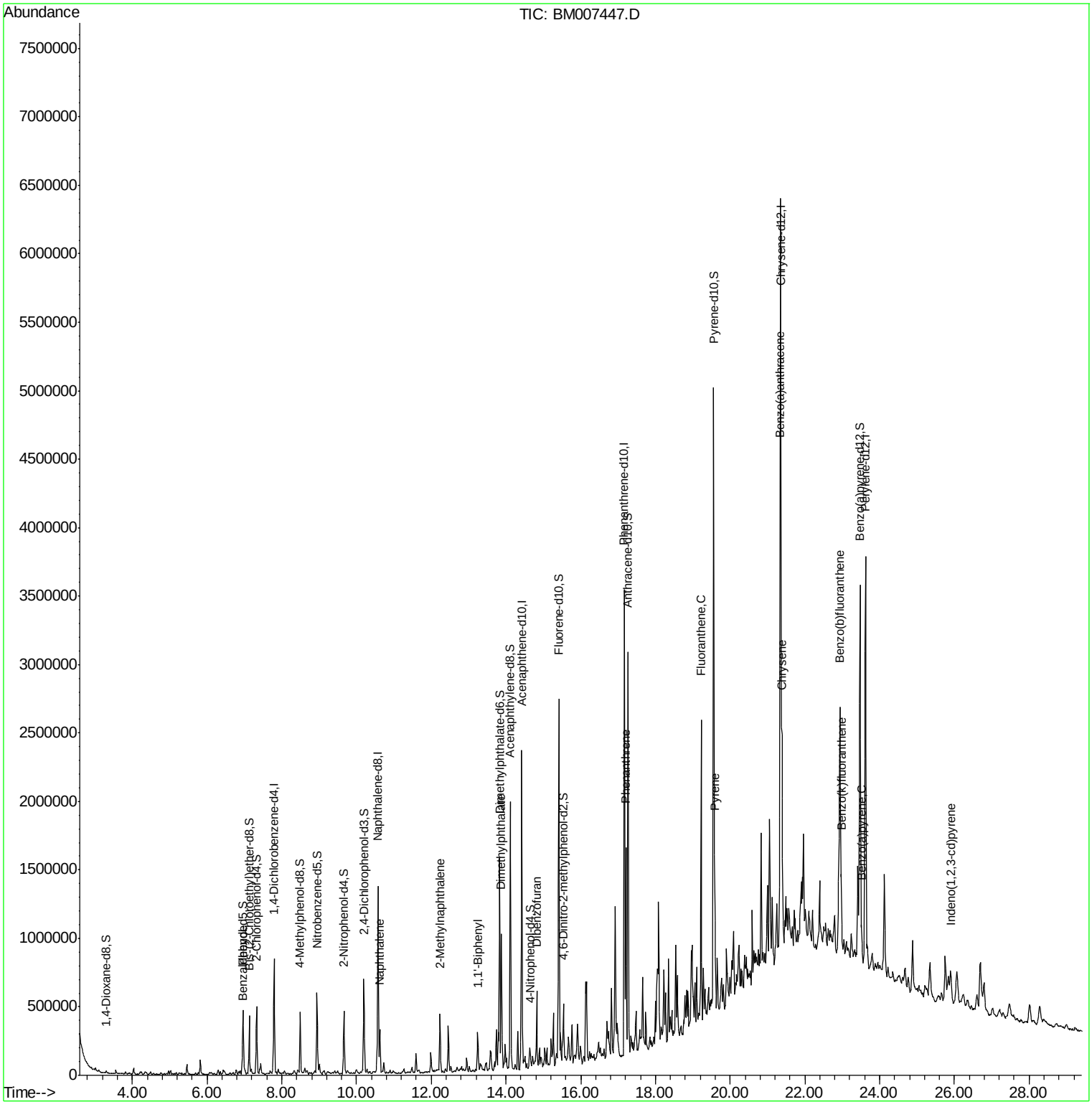
Quantitation Report (LSC Reviewed)

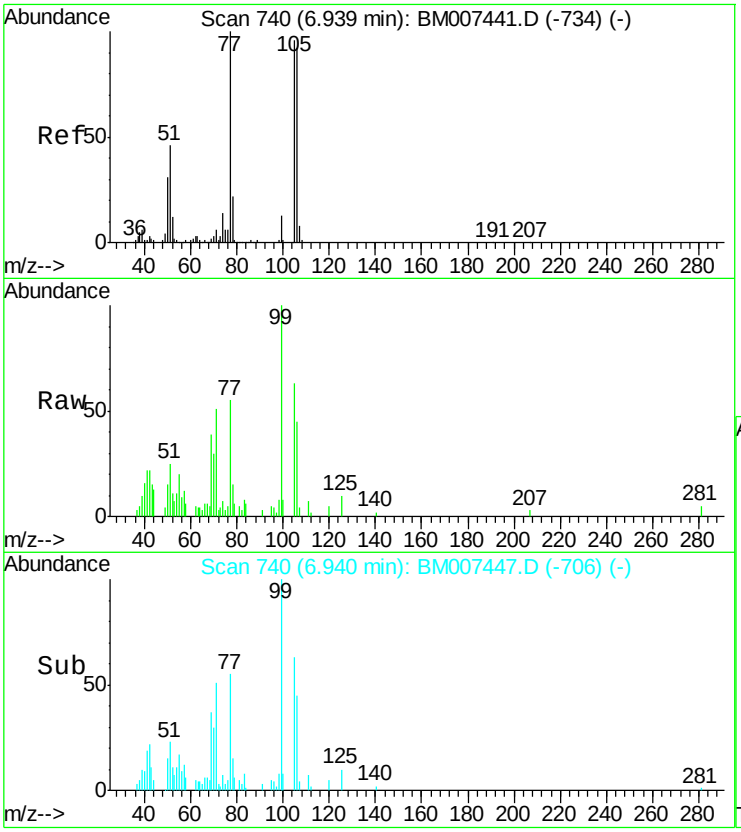
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007447.D
Acq On : 07 Sep 2016 20:06
Operator : UM/SJ
Sample : H4666-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 08 03:27:49 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 08 03:10:54 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BD3A7

Manual Integrations APPROVED
umangi
9/8/2016 12:54:25 PM

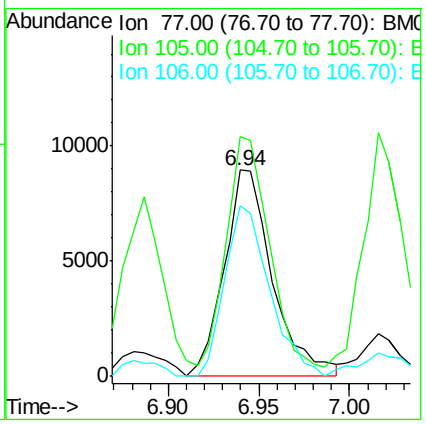




#4
Benzaldehyde
Concen: 1.43 ng/ul
RT: 6.94 min Scan# 740
Delta R.T. 0.00 min
Lab File: BM007447.D
Acq: 07 Sep 2016 20:06

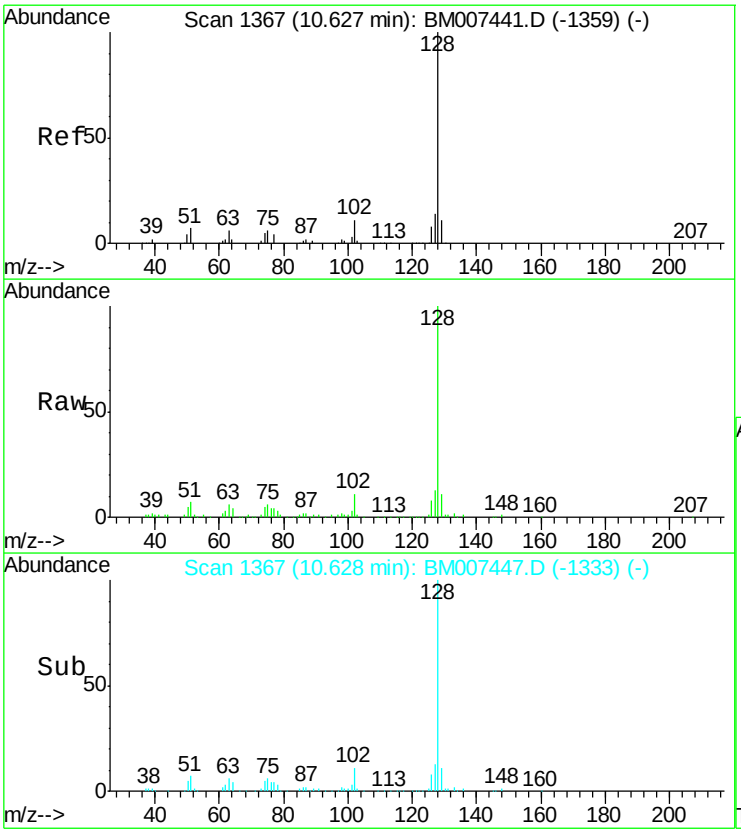
Tgt Ion: 77 Resp: 16609

Ion	Ratio	Lower	Upper
77	100		
105	116.2	76.9	115.3#
106	82.5	71.8	107.8



Instrument :
BNA_M
ClientSampleId :
BD3A7

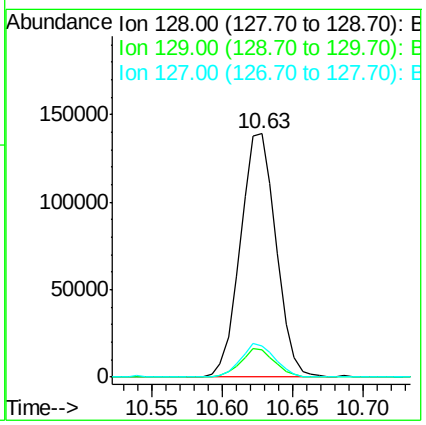
Manual Integrations APPROVED
umangi
9/8/2016 12:54:25 PM

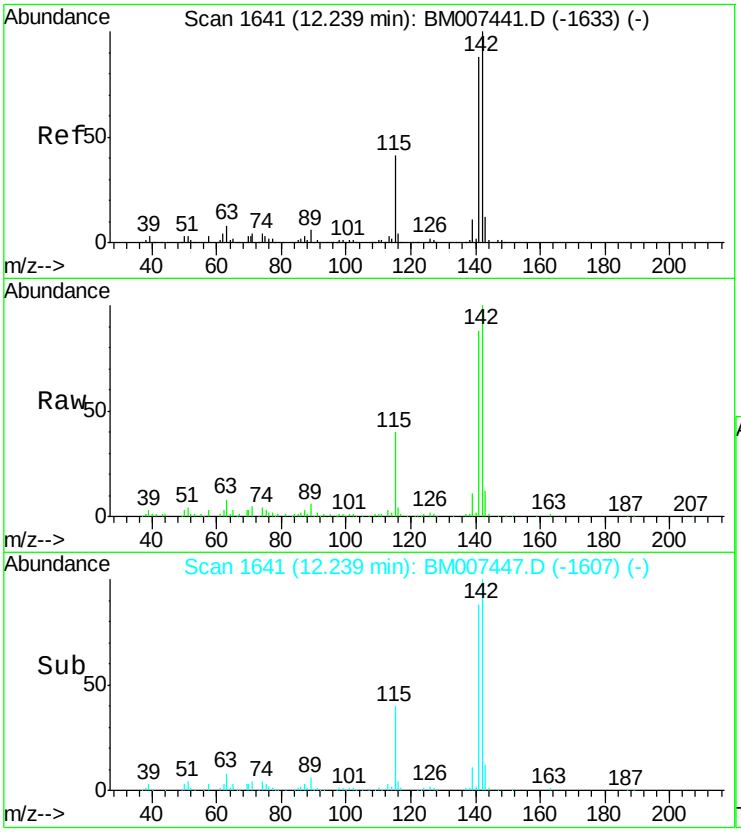


#28
Naphthalene
Concen: 4.53 ng/ul
RT: 10.63 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BM007447.D
Acq: 07 Sep 2016 20:06

Tgt Ion:128 Resp: 247072

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.6	12.8
127	12.7	10.6	15.8





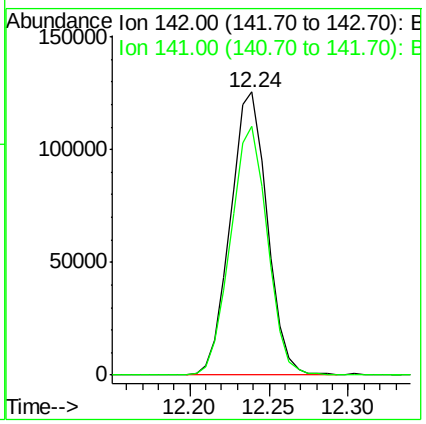
#34
2-Methylnaphthalene
Concen: 4.54 ng/ul
RT: 12.24 min Scan# 1641
Delta R.T. 0.00 min
Lab File: BM007447.D
Acq: 07 Sep 2016 20:06

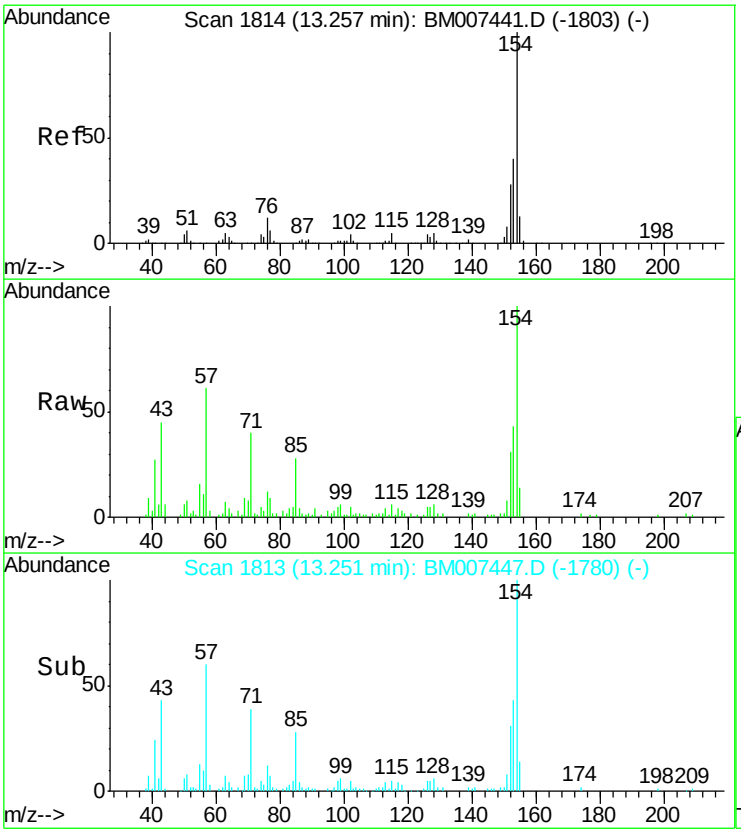
Tgt Ion:142 Resp: 202631

Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.3	106.9

Instrument :
BNA_M
ClientSampleId :
BD3A7

Manual Integrations APPROVED
umangi
9/8/2016 12:54:25 PM

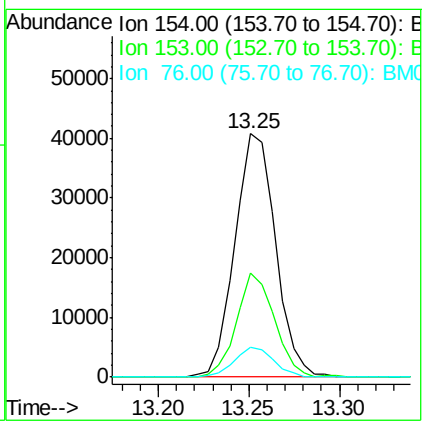


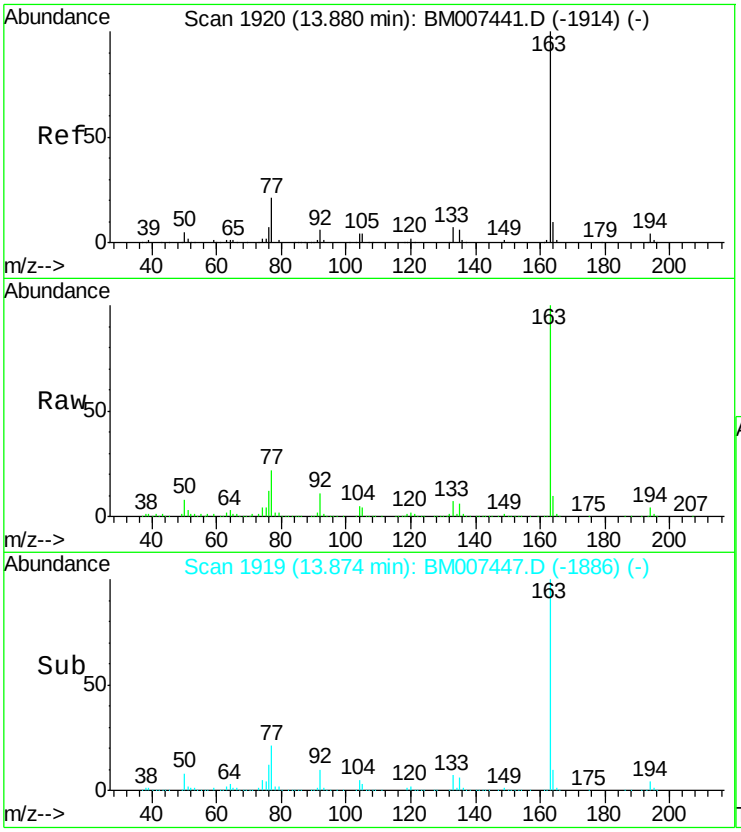


#40
1,1'-Biphenyl
Concen: 1.07 ng/ul
RT: 13.25 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BM007447.D
Acq: 07 Sep 2016 20:06

Tgt Ion:154 Resp: 63741

Ion	Ratio	Lower	Upper
154	100		
153	42.6	31.3	46.9
76	12.2	10.0	15.0

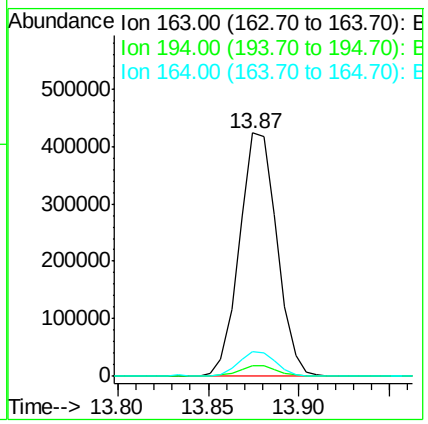




#44
Dimethylphthalate
Concen: 9.15 ng/ul
RT: 13.87 min Scan# 1919
Delta R.T. -0.01 min
Lab File: BM007447.D
Acq: 07 Sep 2016 20:06

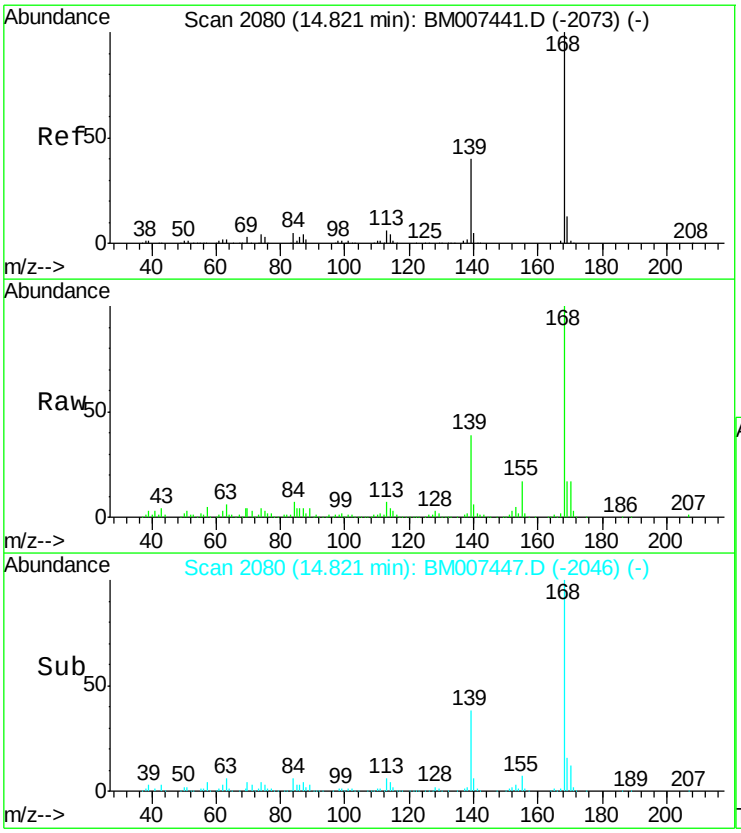
Tgt Ion:163 Resp: 604417

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.3	7.8	11.8



Instrument :
BNA_M
ClientSampleId :
BD3A7

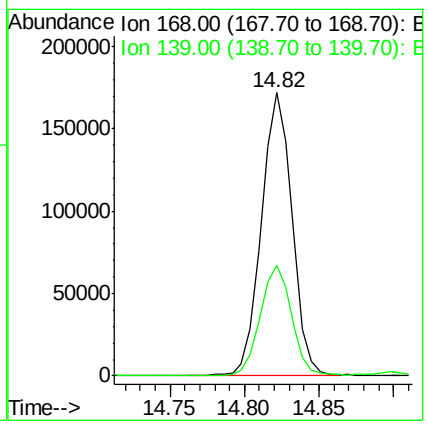
Manual Integrations APPROVED
umangi
9/8/2016 12:54:25 PM

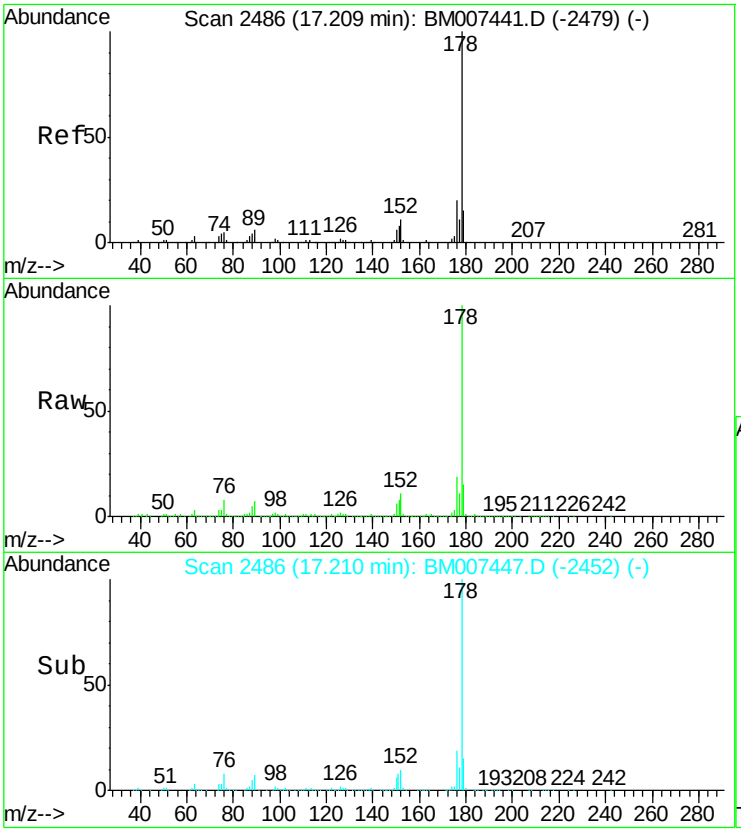


#53
Dibenzofuran
Concen: 3.16 ng/ul
RT: 14.82 min Scan# 2080
Delta R.T. 0.00 min
Lab File: BM007447.D
Acq: 07 Sep 2016 20:06

Tgt Ion:168 Resp: 243830

Ion	Ratio	Lower	Upper
168	100		
139	38.9	30.1	45.1

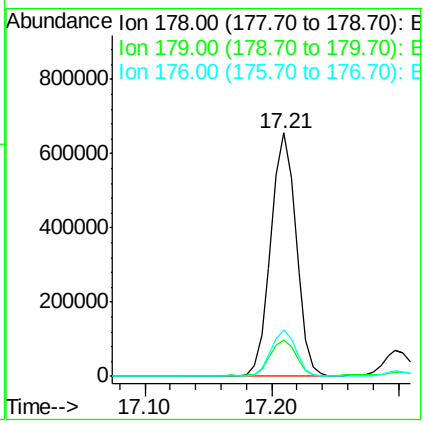




#69
Phenanthrene
Concen: 8.71 ng/ul
RT: 17.21 min Scan# 2486
Delta R.T. 0.00 min
Lab File: BM007447.D
Acq: 07 Sep 2016 20:06

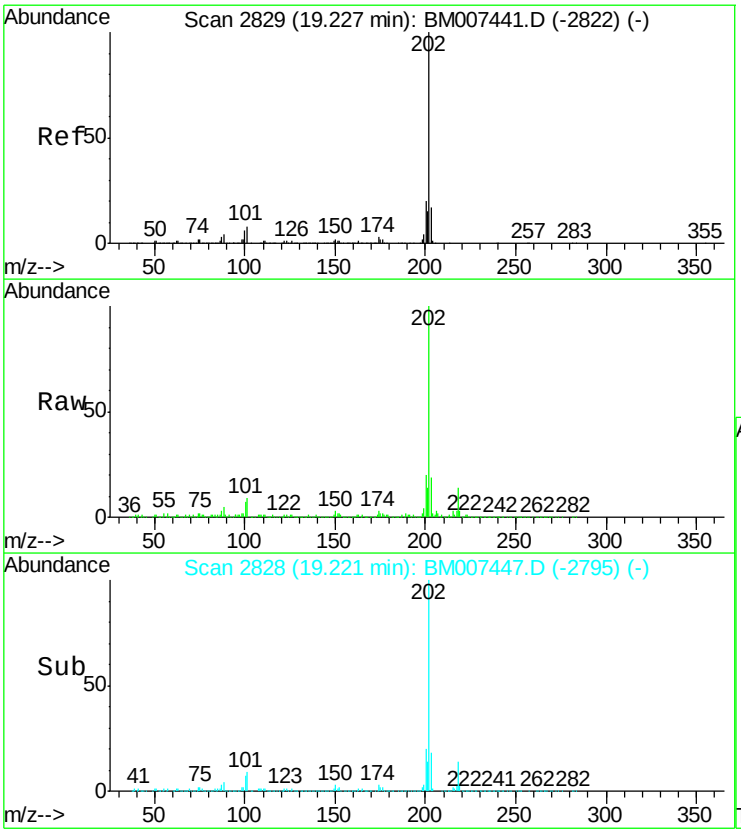
Tgt Ion:178 Resp: 913053

Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.2	18.2
176	18.9	15.1	22.7



Instrument :
BNA_M
ClientSampleId :
BD3A7

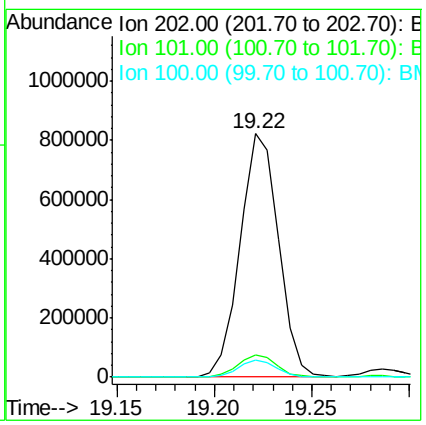
Manual Integrations APPROVED
umangi
9/8/2016 12:54:25 PM

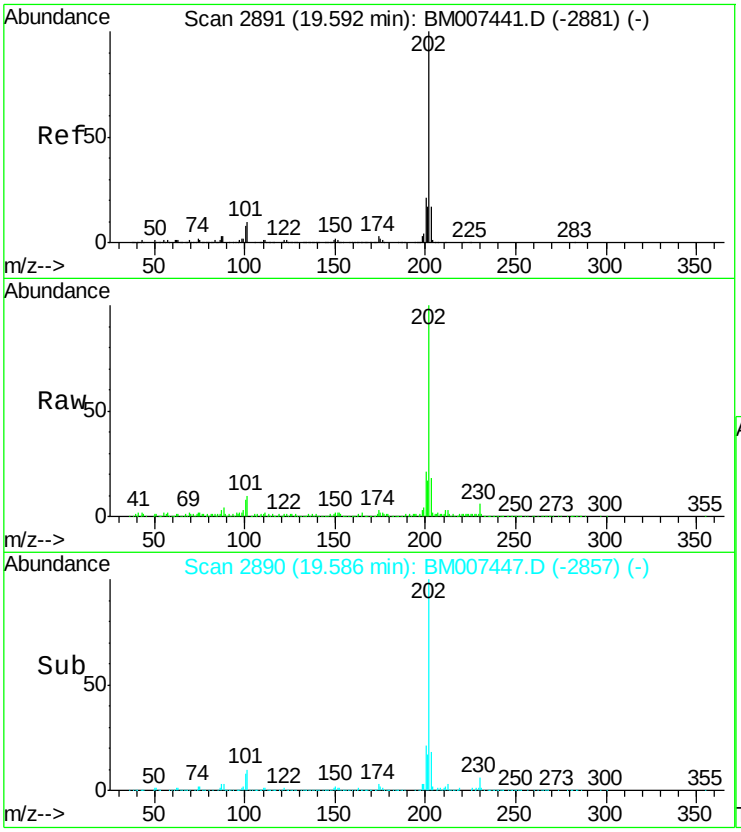


#74
Fluoranthene
Concen: 8.45 ng/ul
RT: 19.22 min Scan# 2828
Delta R.T. -0.01 min
Lab File: BM007447.D
Acq: 07 Sep 2016 20:06

Tgt Ion:202 Resp: 1111603

Ion	Ratio	Lower	Upper
202	100		
101	9.3	6.9	10.3
100	6.8	5.4	8.0

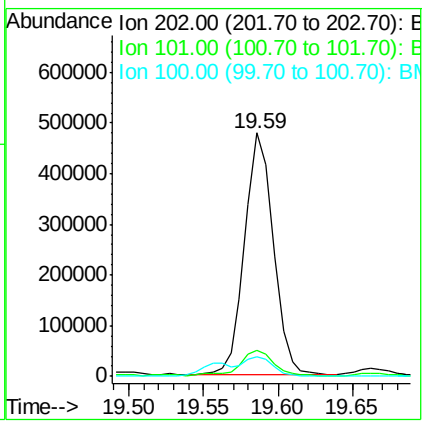




#77
Pyrene
Concen: 4.79 ng/ul
RT: 19.59 min Scan# 2890
Delta R.T. -0.01 min
Lab File: BM007447.D
Acq: 07 Sep 2016 20:06

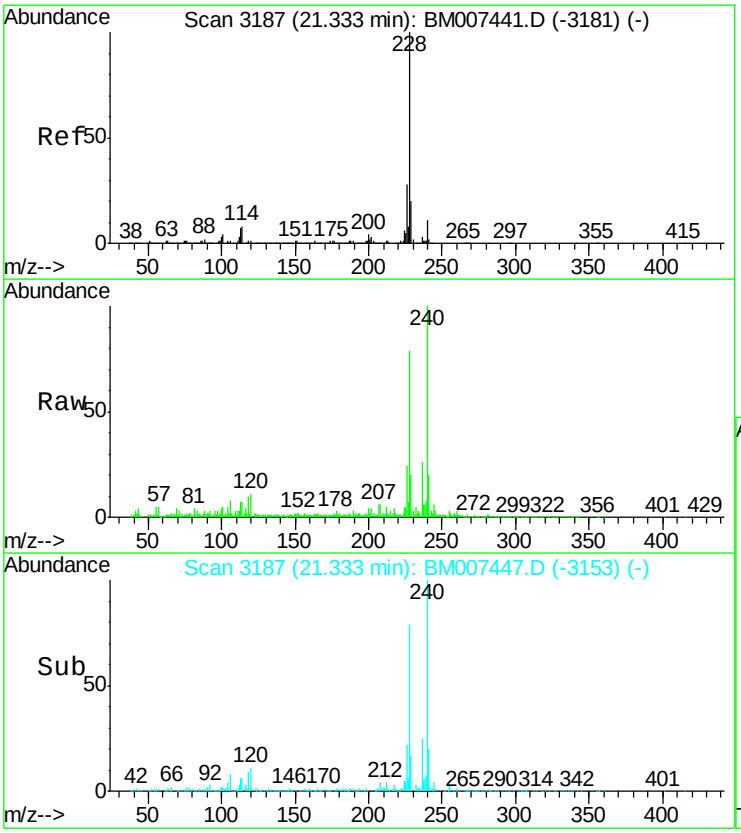
Tgt Ion:202 Resp: 638475

Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.4	12.6
100	8.1	6.9	10.3



Instrument :
BNA_M
ClientSampleId :
BD3A7

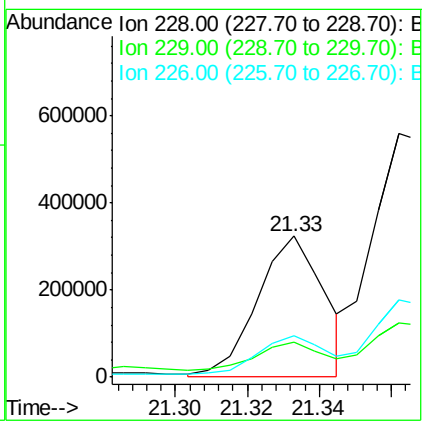
Manual Integrations APPROVED
umangi
9/8/2016 12:54:25 PM

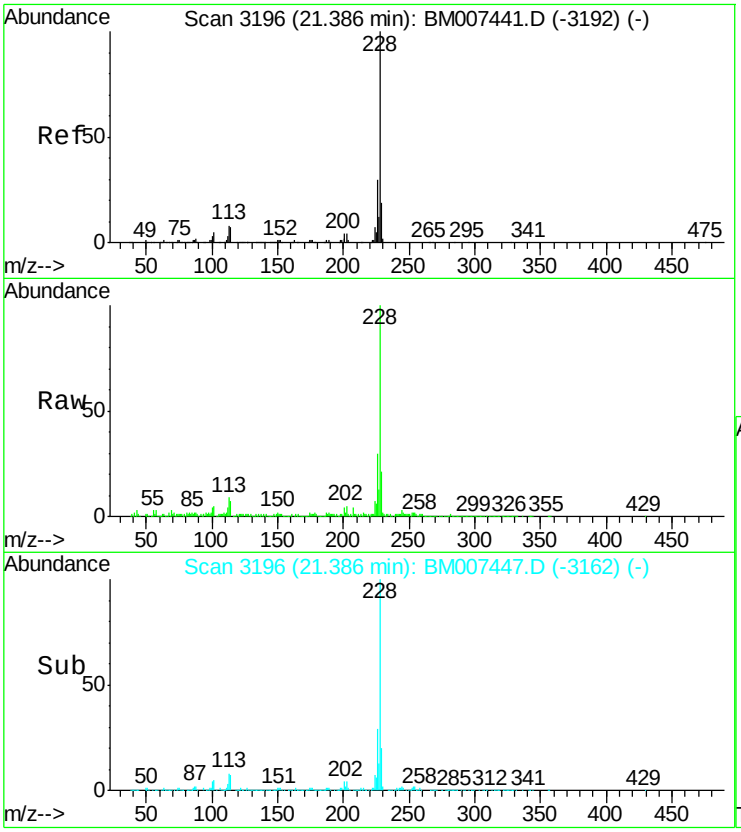


#80
Benzo(a)anthracene
Concen: 2.85 ng/ul m
RT: 21.33 min Scan# 3187
Delta R.T. 0.00 min
Lab File: BM007447.D
Acq: 07 Sep 2016 20:06

Tgt Ion:228 Resp: 417709

Ion	Ratio	Lower	Upper
228	100		
229	24.7	15.6	23.4#
226	29.6	21.8	32.8





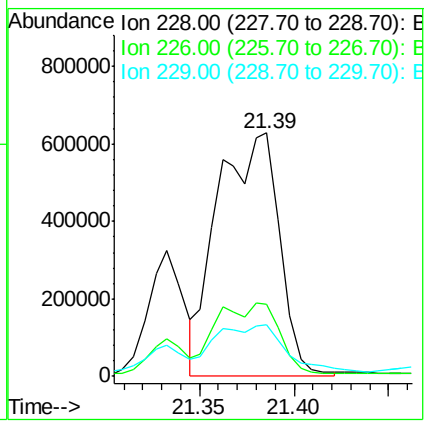
#82
Chrysene
Concen: 10.77 ng/ul m
RT: 21.39 min Scan# 3196
Delta R.T. 0.00 min
Lab File: BM007447.D
Acq: 07 Sep 2016 20:06

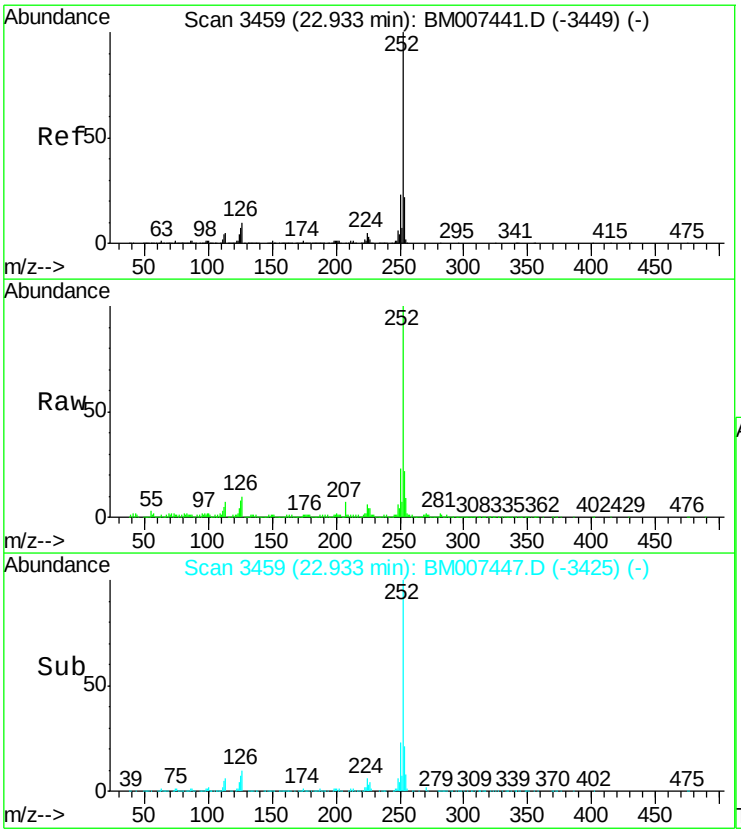
Tgt Ion:228 Resp: 1428221

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.2
229	21.4	15.5	23.3

Instrument :
BNA_M
ClientSampleId :
BD3A7

Manual Integrations APPROVED
umangi
9/8/2016 12:54:25 PM

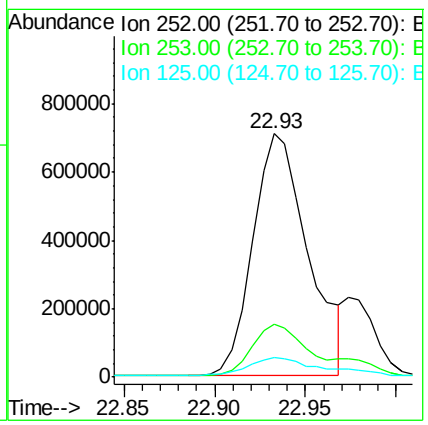


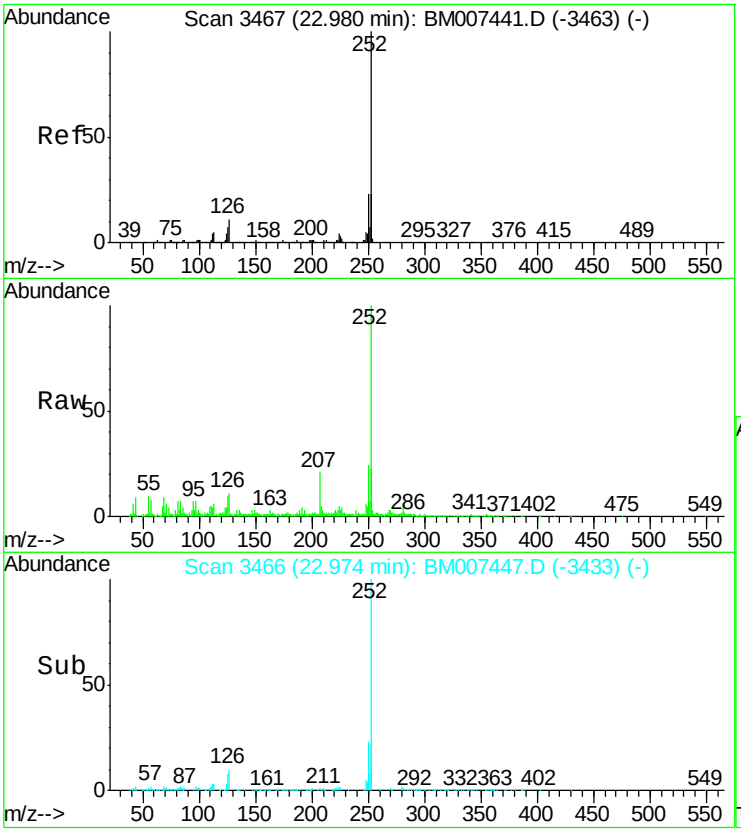


#85
Benzo(b)fluoranthene
Concen: 10.91 ng/ul
RT: 22.93 min Scan# 3459
Delta R.T. 0.00 min
Lab File: BM007447.D
Acq: 07 Sep 2016 20:06

Tgt Ion:252 Resp: 1493430

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	8.0	5.8	8.8

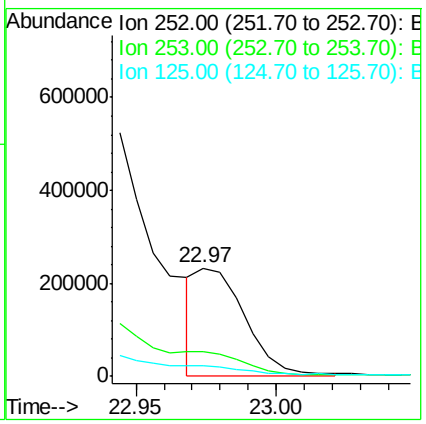




#86
Benzo(k)fluoranthene
Concen: 2.23 ng/ul m
RT: 22.97 min Scan# 3466
Delta R.T. -0.01 min
Lab File: BM007447.D
Acq: 07 Sep 2016 20:06

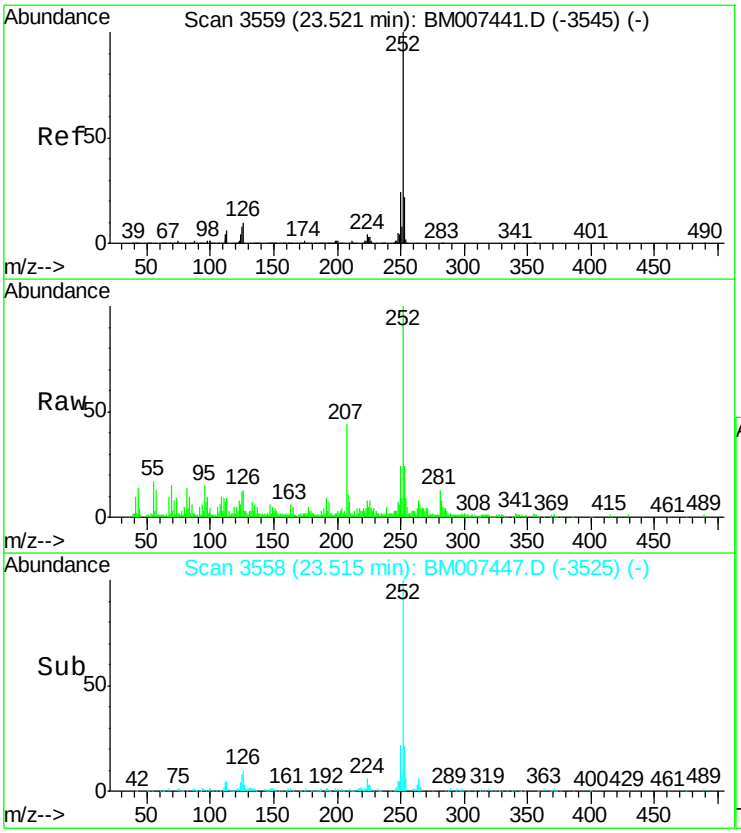
Tgt Ion:252 Resp: 282349

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	10.1	5.7	8.5#



Instrument :
BNA_M
ClientSampleId :
BD3A7

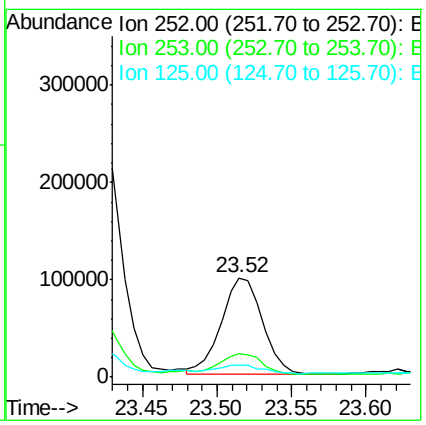
Manual Integrations APPROVED
umangi
9/8/2016 12:54:25 PM

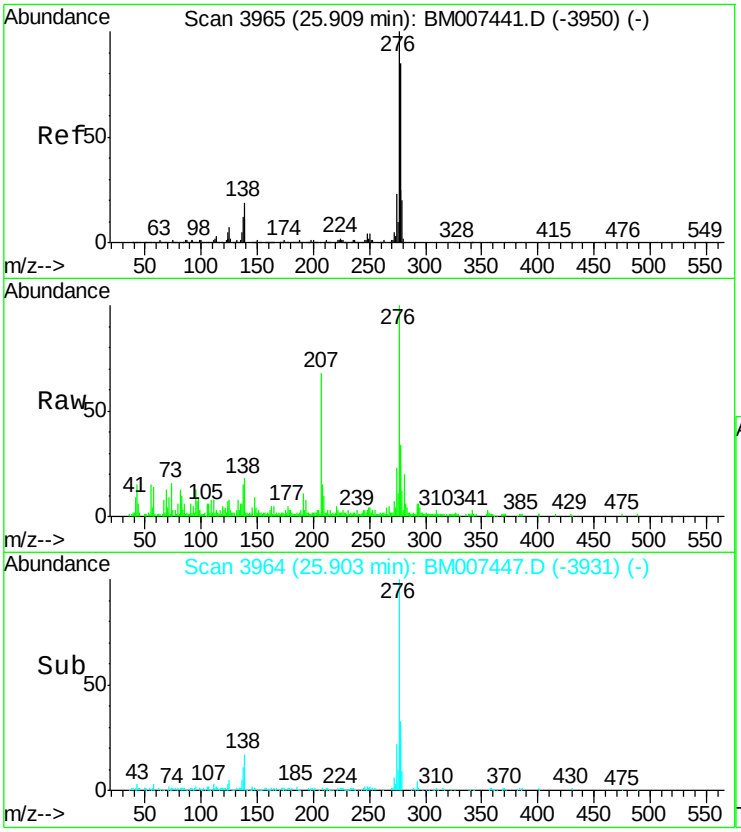


#88
Benzo(a)pyrene
Concen: 1.47 ng/ul
RT: 23.52 min Scan# 3558
Delta R.T. -0.01 min
Lab File: BM007447.D
Acq: 07 Sep 2016 20:06

Tgt Ion:252 Resp: 192310

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.7	26.5
125	11.9	6.6	9.8#

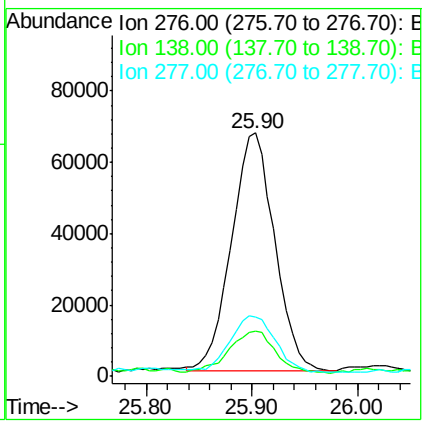




#89
Indeno(1,2,3-cd)pyrene
Concen: 1.18 ng/ul
RT: 25.90 min Scan# 3964
Delta R.T. -0.01 min
Lab File: BM007447.D
Acq: 07 Sep 2016 20:06

Tgt Ion:276 Resp: 189150

Ion	Ratio	Lower	Upper
276	100		
138	18.4	13.9	20.9
277	24.2	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
BD3A7

Manual Integrations APPROVED
umangi
9/8/2016 12:54:25 PM