Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060815\
Data File : BM001622.D
Acq On : 09 Jun 2015 19:35
Operator : TP/IZ
Sample : PB83893BSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB83893BSD

Manual Integrations APPROVED
apatel
6/10/2015 1:05:54 PM

Quant Time: Jun 10 04:03:41 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM060815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 10 03:26:36 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	19217	5.00	ng		0.00
6) Naphthalene-d8	10.47	136	69352	5.00	ng		0.00
12) Acenaphthene-d10	14.34	164	32841	5.00	ng		0.00
18) Phenanthrene-d10	17.08	188	57277	5.00	ng		0.00
25) Chrysene-d12	21.27	240	58433	5.00	ng		0.00
32) Perylene-d12	23.51	264	54369	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.27	112	39975	9.15	ng		0.00
5) Phenol-d6	6.84	99	51120	9.52	ng		0.00
7) Nitrobenzene-d5	8.85	82	46641	9.54	ng		0.00
13) 2,4,6-Tribromophenol	15.83	330	14023	8.88	ng		0.00
14) 2-Fluorobiphenyl	12.95	172	88671	8.29	ng		0.00
27) Terphenyl-d14	19.72	244	62685	8.22	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.21	88	16039	7.59	ng		93
3) n-Nitrosodimethylamine	3.51	42	27135	8.98	ng		99
8) Nitrobenzene	8.89	77	50873	9.70	ng		98
9) Naphthalene	10.52	128	133113	8.57	ng		98
10) Hexachlorobutadiene	10.82	225	22350	8.36	ng		99
11) 2-Methylnaphthalene	12.14	142	83470	8.78	ng		98
15) Acenaphthylene	14.05	152	136514	9.26	ng		100
16) Acenaphthene	14.40	154	77554	8.36	ng		99
17) Fluorene	15.39	166	50850	8.10	ng	#	6
19) 4-Bromophenyl-phenylether	16.27	248	36132	6.65	ng		92
20) Hexachlorobenzene	16.37	284	15148	5.10	ng	#	56
21) Pentachlorophenol	16.74	266	8382	8.43	ng	#	61
22) Phenanthrene	17.12	178	177469	8.68	ng		98
23) Anthracene	17.22	178	73105m	6.03	ng		
24) Fluoranthene	19.15	202	148748	6.72	ng		100
26) Pyrene	19.51	202	154560	8.16	ng		100
28) Benzo(a)anthracene	21.26	228	147038m	8.62	ng		
29) Chrysene	21.31	228	121855m	7.55	ng		
30) Bis(2-ethylhexyl)phthalate	21.18	149	93133	9.44	ng		99
31) Indeno(1,2,3-cd)pyrene	25.76	276	132776	8.10	ng		99
33) Benzo(b)fluoranthene	22.83	252	126448	7.73	ng		97
34) Benzo(k)fluoranthene	22.88	252	127240	8.07	ng		96
35) Benzo(a)pyrene	23.41	252	115813	8.02	ng		97
36) Dibenzo(a,h)anthracene	25.78	278	102997	7.81	ng		97
37) Benzo(g,h,i)perylene	26.46	276	106358	7.48	ng		99

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

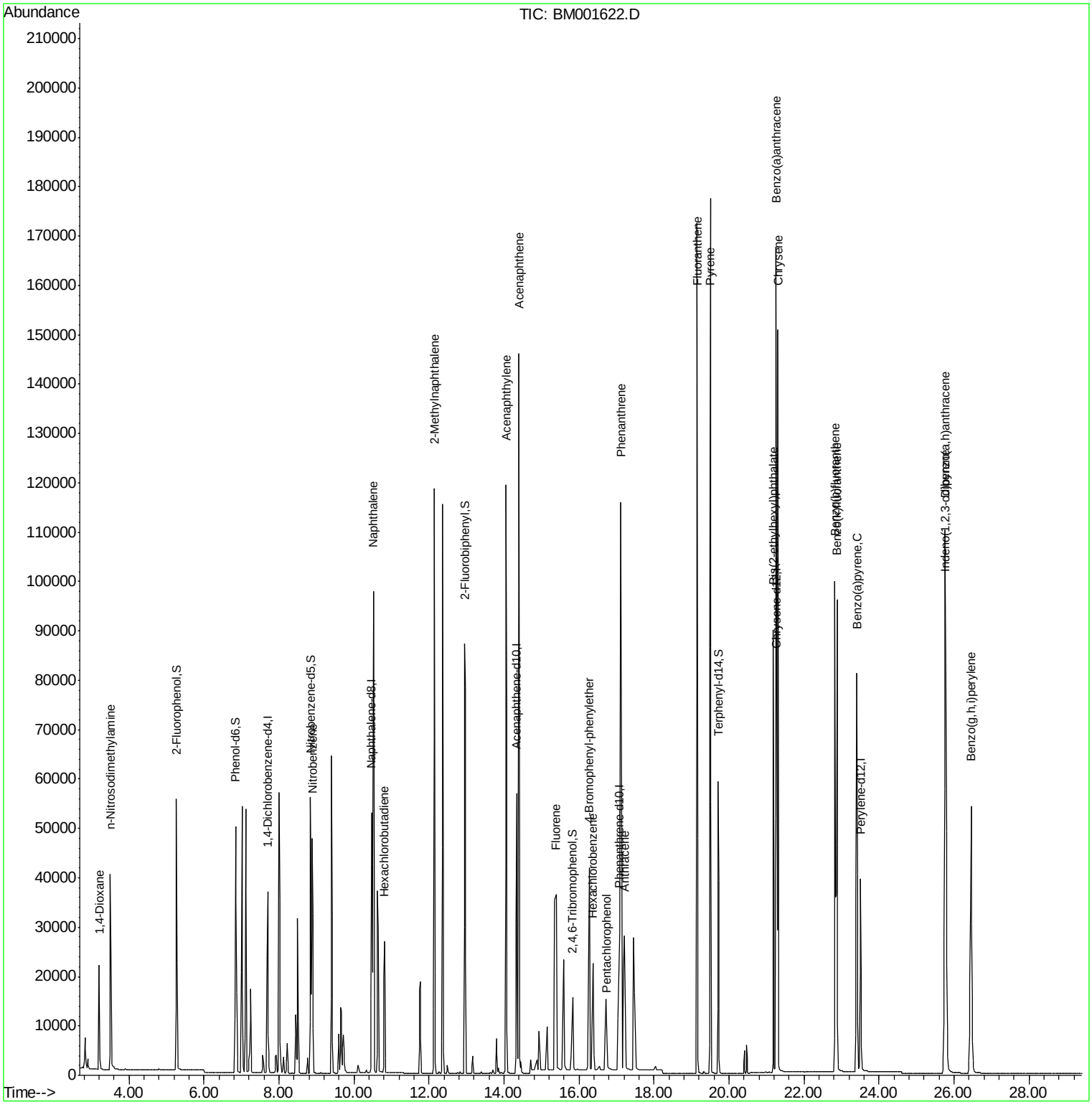
Quantitation Report (QT Reviewed)

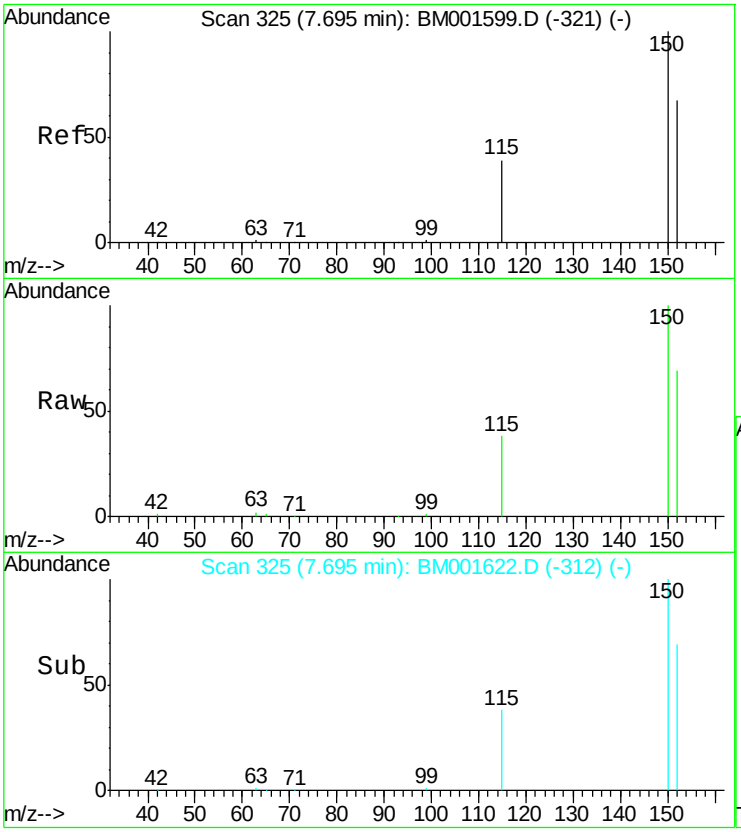
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060815\
Data File : BM001622.D
Acq On : 09 Jun 2015 19:35
Operator : TP/IZ
Sample : PB83893BSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 10 04:03:41 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM060815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 10 03:26:36 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
PB83893BSD

Manual Integrations APPROVED
apatel
6/10/2015 1:05:54 PM

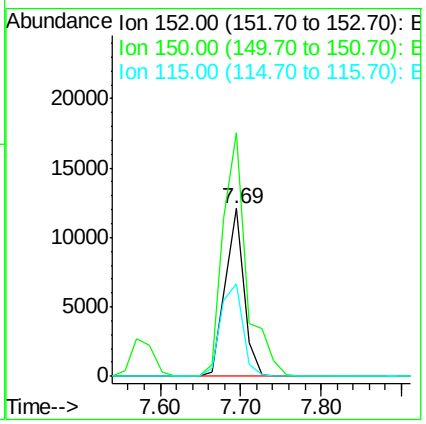




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.69 min Scan# 325
Delta R.T. -0.00 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

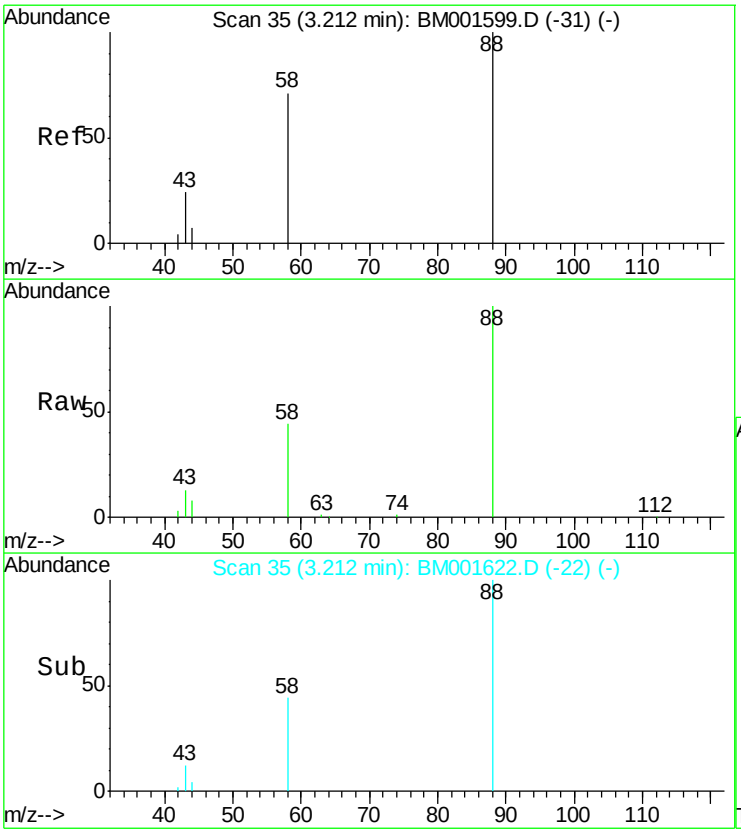
Tgt Ion:152 Resp: 19217

Ion	Ratio	Lower	Upper
152	100		
150	145.1	120.1	180.1
115	54.8	47.0	70.6



Instrument :
BNA_M
ClientSampleId :
PB83893BSD

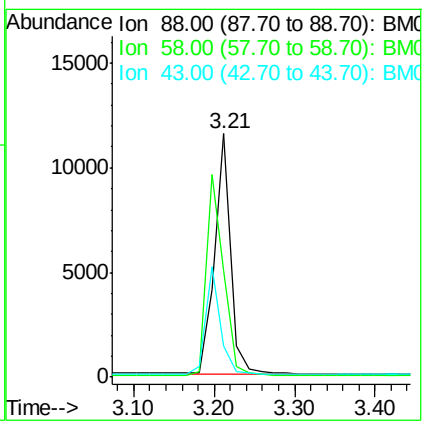
Manual Integrations APPROVED
apatel
6/10/2015 1:05:54 PM

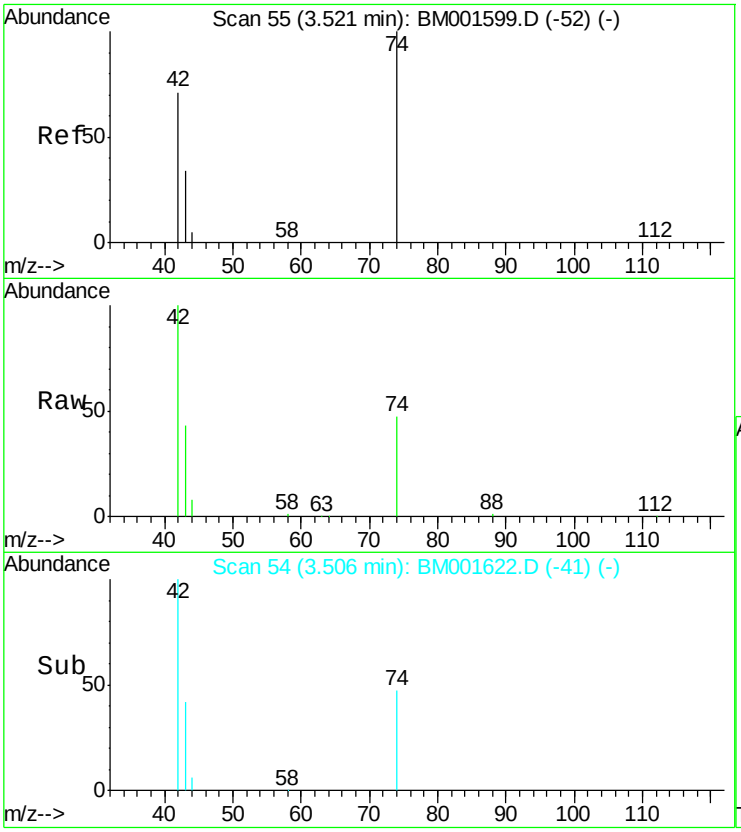


#2
1,4-Dioxane
Concen: 7.59 ng
RT: 3.21 min Scan# 35
Delta R.T. -0.00 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

Tgt Ion: 88 Resp: 16039

Ion	Ratio	Lower	Upper
88	100		
58	90.2	65.5	98.3
43	41.3	32.2	48.2

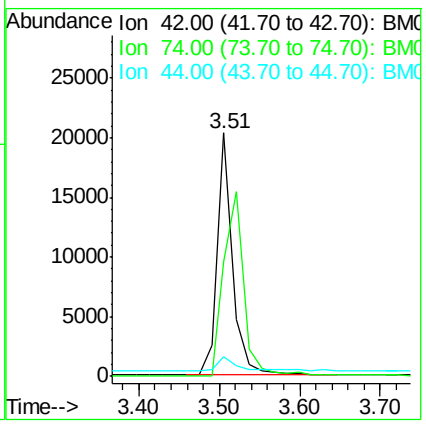




#3
n-Nitrosodimethylamine
Concen: 8.98 ng
RT: 3.51 min Scan# 54
Delta R.T. -0.00 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

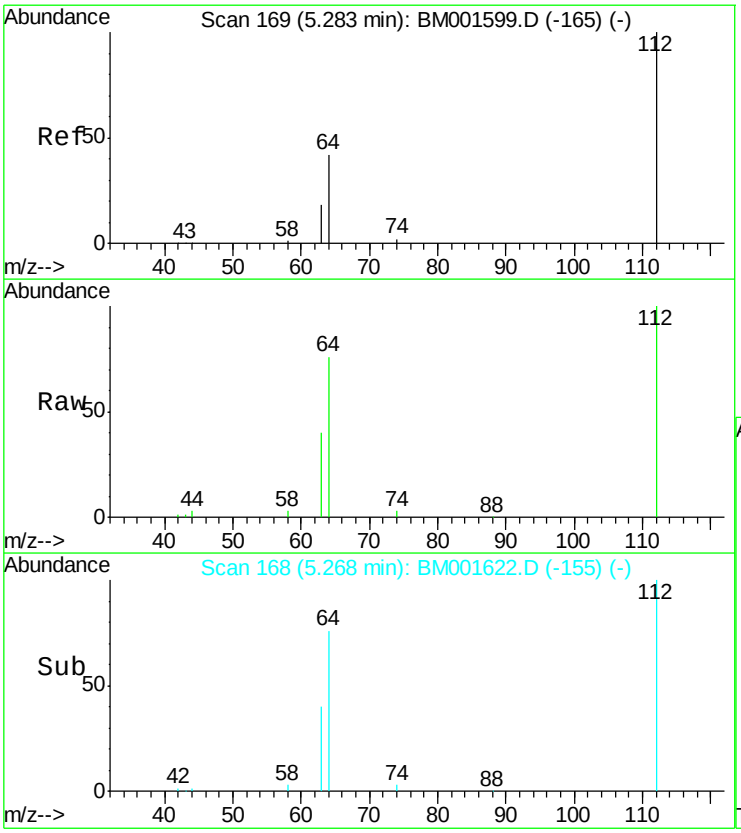
Tgt Ion: 42 Resp: 27135

Ion	Ratio	Lower	Upper
42	100		
74	98.7	79.5	119.3
44	6.2	5.7	8.5



Instrument :
BNA_M
ClientSampleId :
PB83893BSD

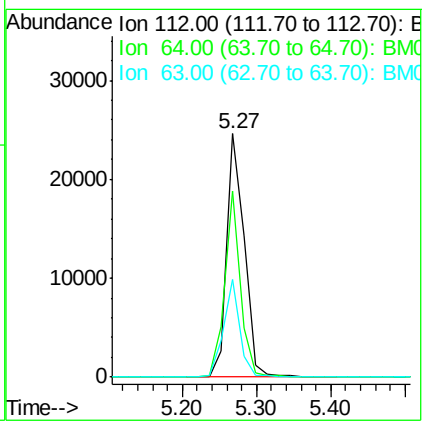
Manual Integrations APPROVED
apatel
6/10/2015 1:05:54 PM

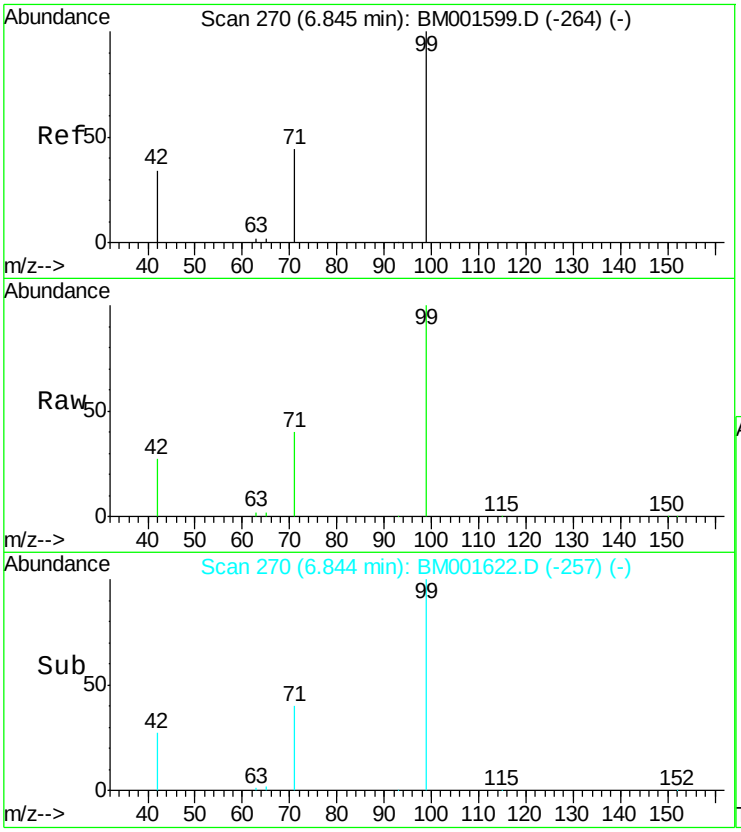


#4
2-Fluorophenol
Concen: 9.15 ng
RT: 5.27 min Scan# 168
Delta R.T. -0.00 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

Tgt Ion:112 Resp: 39975

Ion	Ratio	Lower	Upper
112	100		
64	68.2	54.8	82.2
63	36.9	30.5	45.7

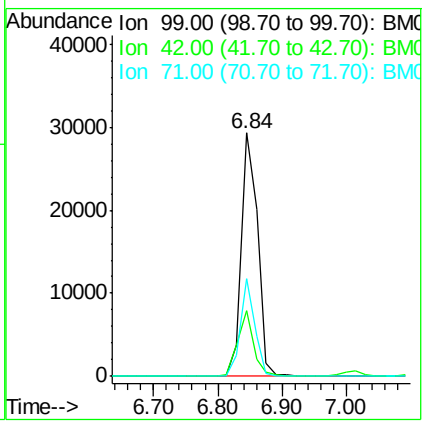




#5
Phenol-d6
Concen: 9.52 ng
RT: 6.84 min Scan# 270
Delta R.T. -0.00 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

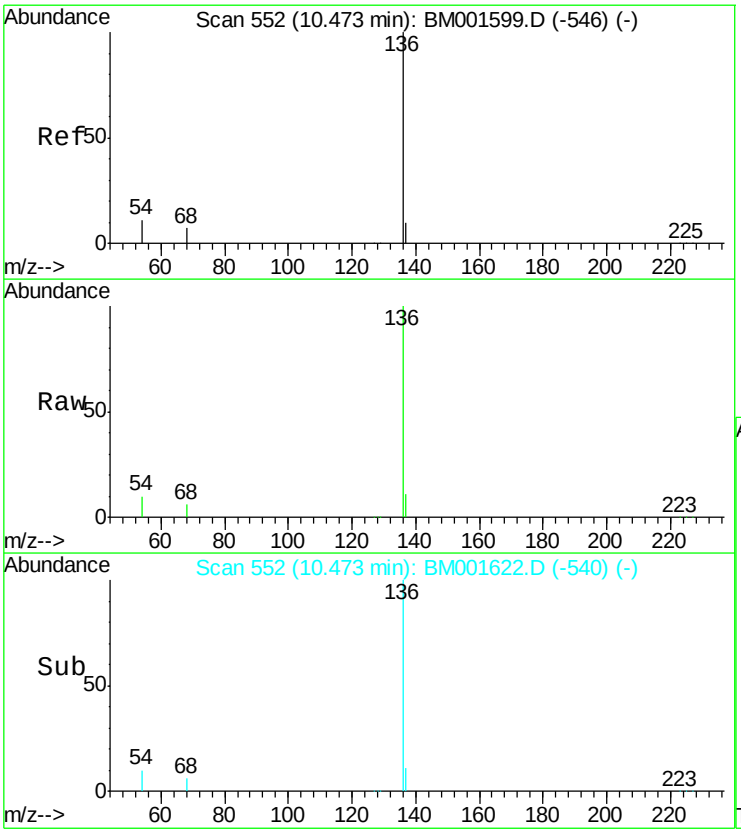
Tgt Ion: 99 Resp: 51120

Ion	Ratio	Lower	Upper
99	100		
42	26.0	21.6	32.4
71	35.4	28.7	43.1



Instrument :
BNA_M
ClientSampleId :
PB83893BSD

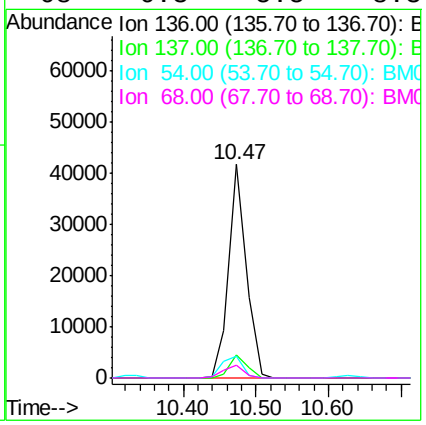
Manual Integrations APPROVED
apatel
6/10/2015 1:05:54 PM

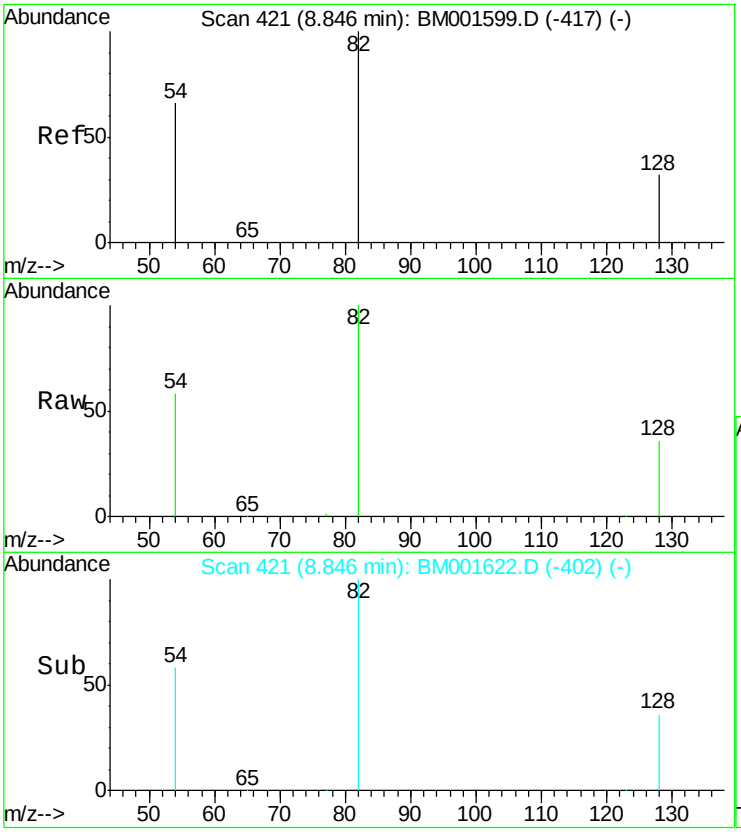


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.47 min Scan# 552
Delta R.T. -0.00 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

Tgt Ion:136 Resp: 69352

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.3	12.5
54	10.0	9.2	13.8
68	6.3	5.5	8.3

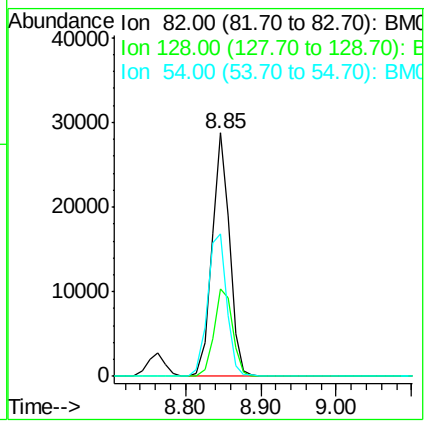




#7
Nitrobenzene-d5
Concen: 9.54 ng
RT: 8.85 min Scan# 421
Delta R.T. -0.00 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

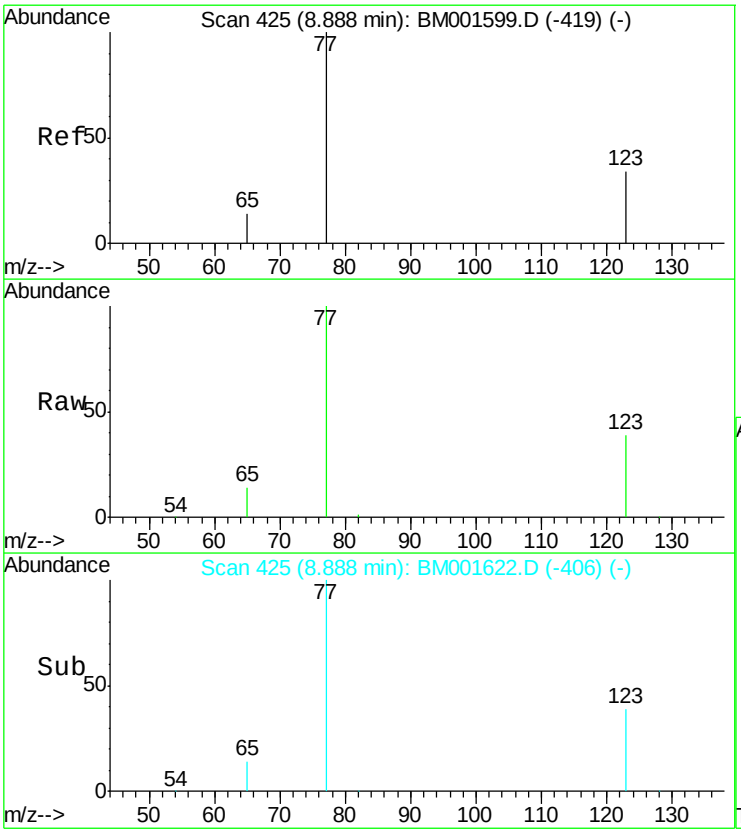
Tgt Ion: 82 Resp: 46641

Ion	Ratio	Lower	Upper
82	100		
128	36.1	26.6	40.0
54	58.5	53.0	79.6



Instrument :
BNA_M
ClientSampleId :
PB83893BSD

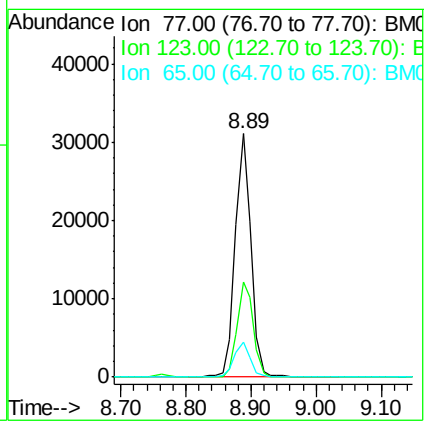
Manual Integrations APPROVED
apatel
6/10/2015 1:05:54 PM

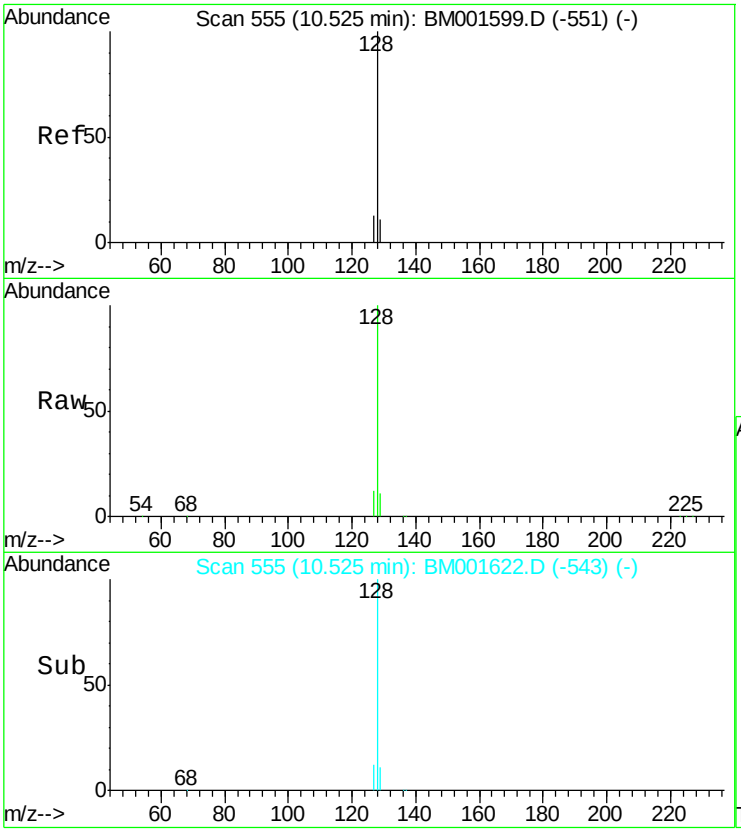


#8
Nitrobenzene
Concen: 9.70 ng
RT: 8.89 min Scan# 425
Delta R.T. -0.00 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

Tgt Ion: 77 Resp: 50873

Ion	Ratio	Lower	Upper
77	100		
123	40.3	31.0	46.6
65	14.4	11.4	17.0

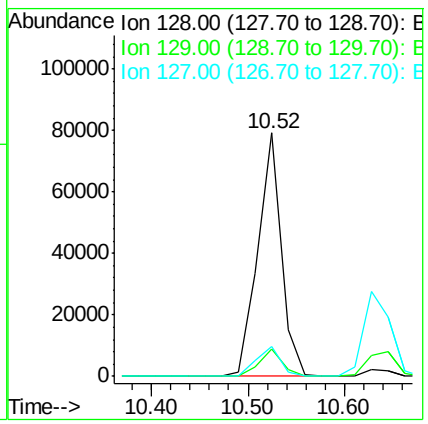




#9
Naphthalene
Concen: 8.57 ng
RT: 10.52 min Scan# 555
Delta R.T. -0.00 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

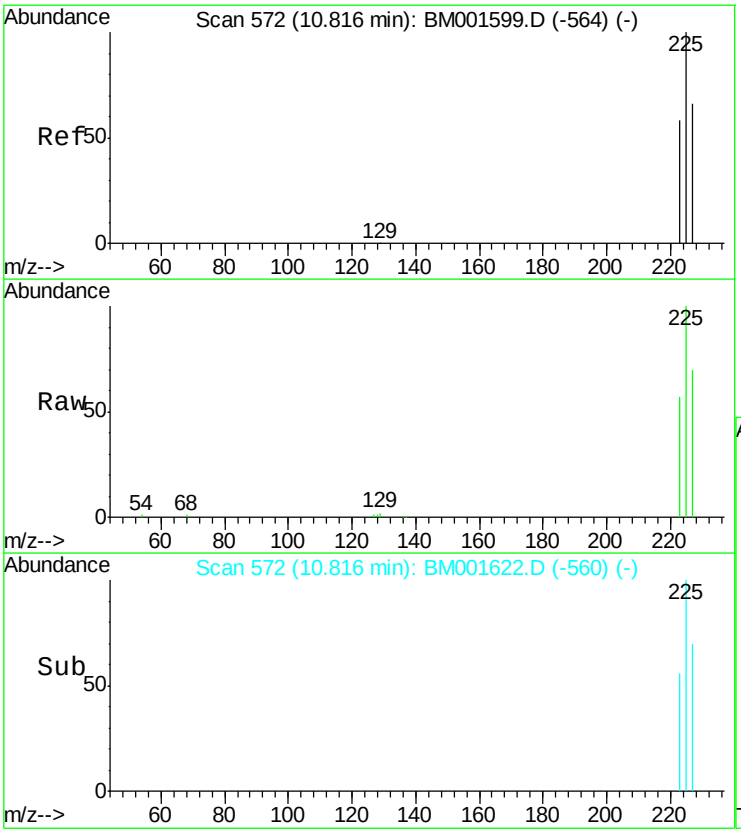
Tgt Ion:128 Resp: 133113

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.1	13.7
127	12.1	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
PB83893BSD

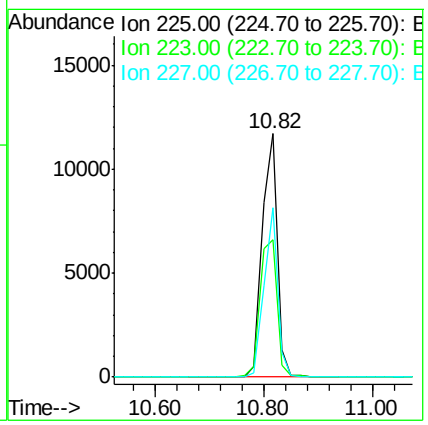
Manual Integrations APPROVED
apatel
6/10/2015 1:05:54 PM

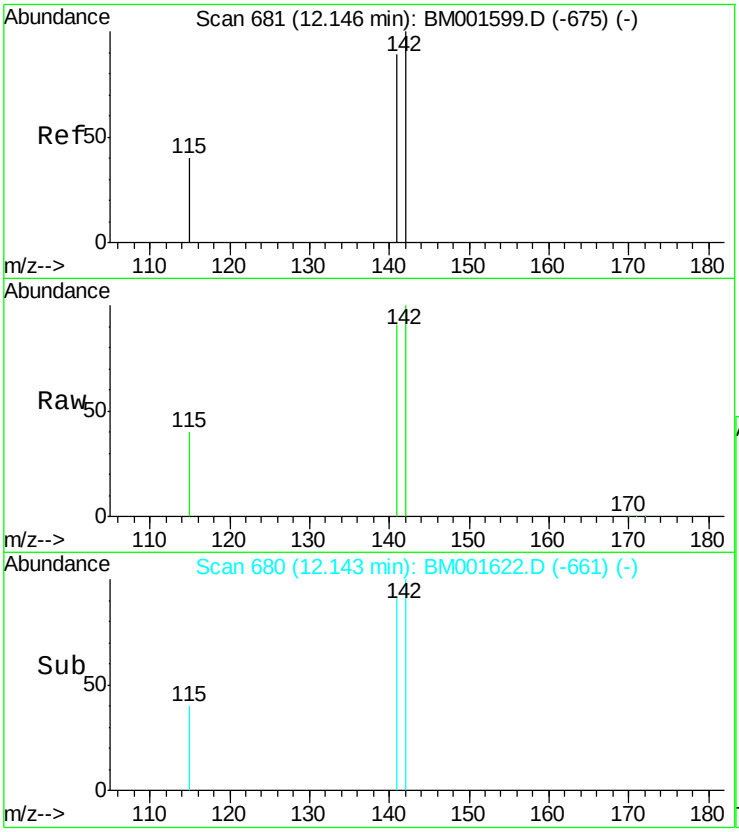


#10
Hexachlorobutadiene
Concen: 8.36 ng
RT: 10.82 min Scan# 572
Delta R.T. -0.00 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

Tgt Ion:225 Resp: 22350

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.8	74.8
227	63.6	50.9	76.3

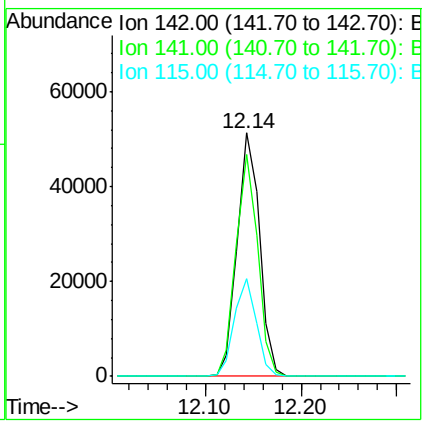




#11
2-Methylnaphthalene
Concen: 8.78 ng
RT: 12.14 min Scan# 680
Delta R.T. -0.00 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

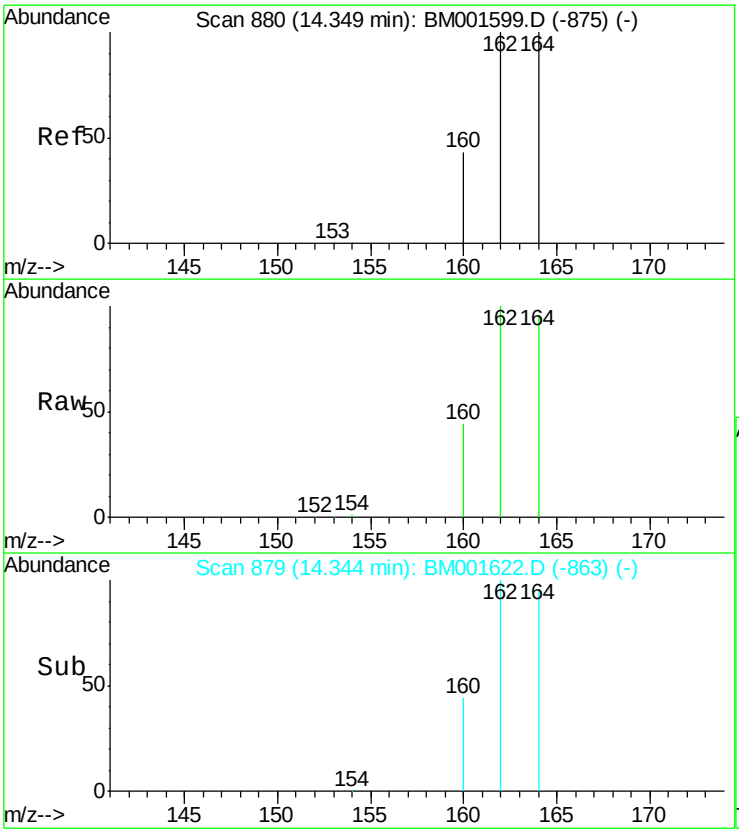
Tgt Ion:142 Resp: 83470

Ion	Ratio	Lower	Upper
142	100		
141	91.1	71.3	106.9
115	40.2	32.1	48.1



Instrument :
BNA_M
ClientSampleId :
PB83893BSD

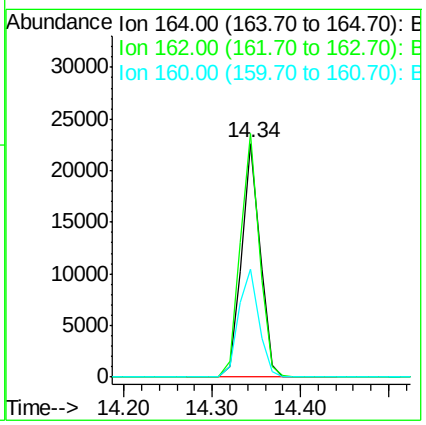
Manual Integrations APPROVED
apatel
6/10/2015 1:05:54 PM

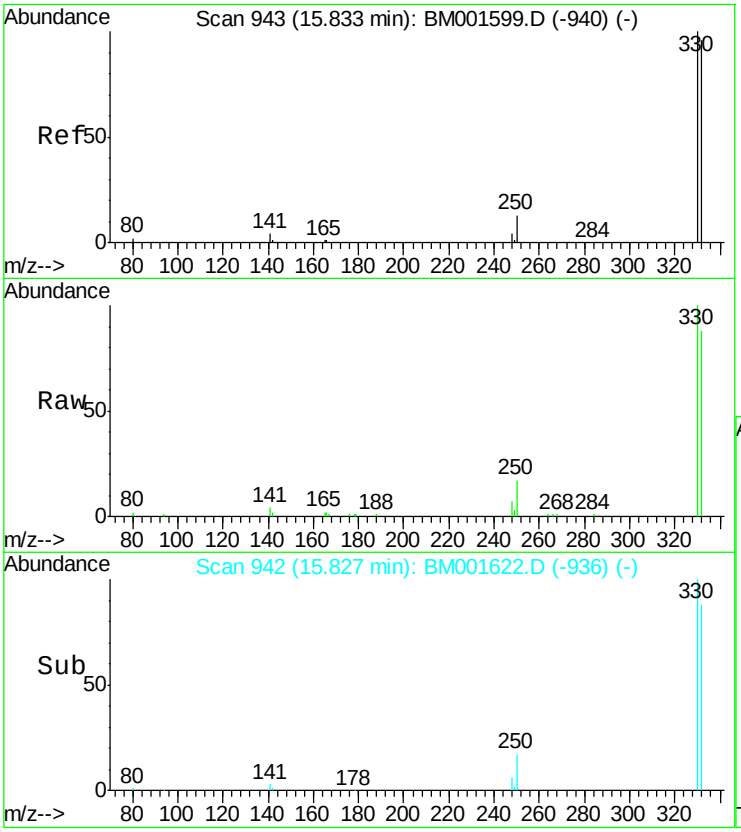


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.34 min Scan# 879
Delta R.T. -0.01 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

Tgt Ion:164 Resp: 32841

Ion	Ratio	Lower	Upper
164	100		
162	104.1	79.8	119.6
160	46.3	34.6	51.8

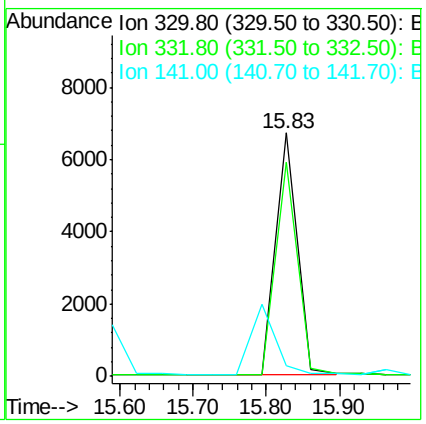




#13
2,4,6-Tribromophenol
Concen: 8.88 ng
RT: 15.83 min Scan# 942
Delta R.T. -0.01 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

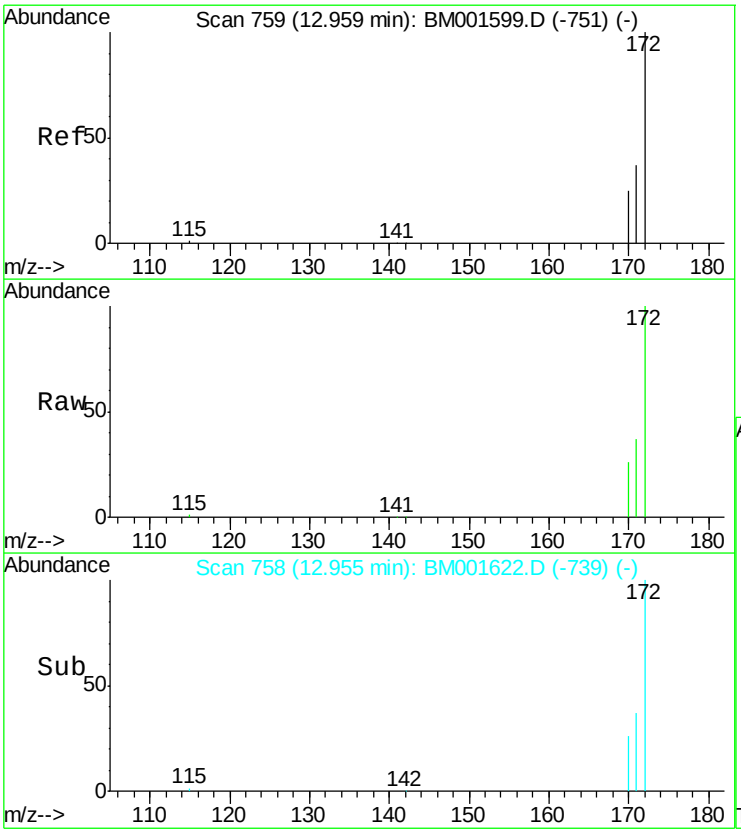
Tgt Ion:330 Resp: 14023

Ion	Ratio	Lower	Upper
330	100		
332	88.5	76.7	115.1
141	0.0	0.0	0.0



Instrument :
BNA_M
ClientSampleId :
PB83893BSD

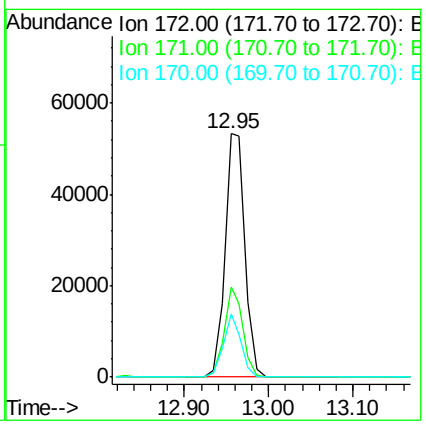
Manual Integrations APPROVED
apatel
6/10/2015 1:05:54 PM

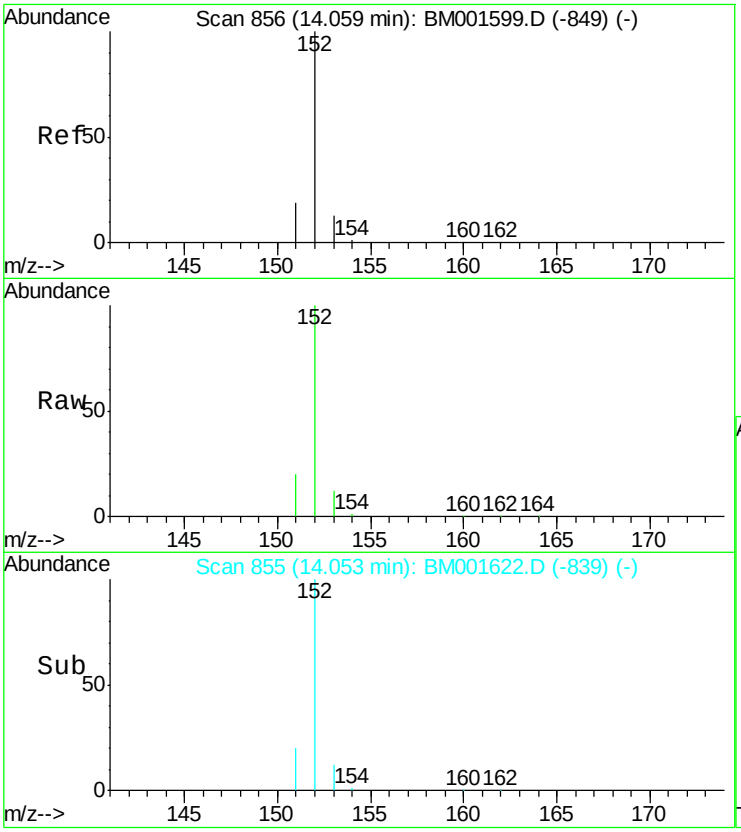


#14
2-Fluorobiphenyl
Concen: 8.29 ng
RT: 12.95 min Scan# 758
Delta R.T. -0.00 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

Tgt Ion:172 Resp: 88671

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.6	44.4
170	26.0	20.6	31.0

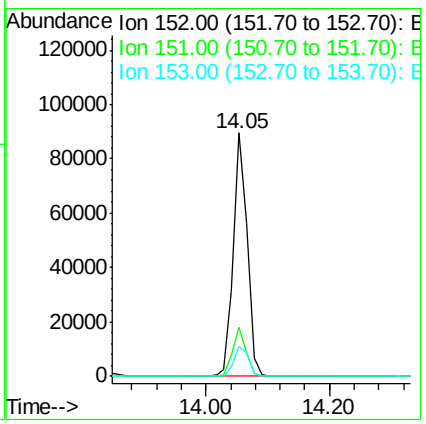




#15
Acenaphthylene
Concen: 9.26 ng
RT: 14.05 min Scan# 855
Delta R.T. -0.01 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

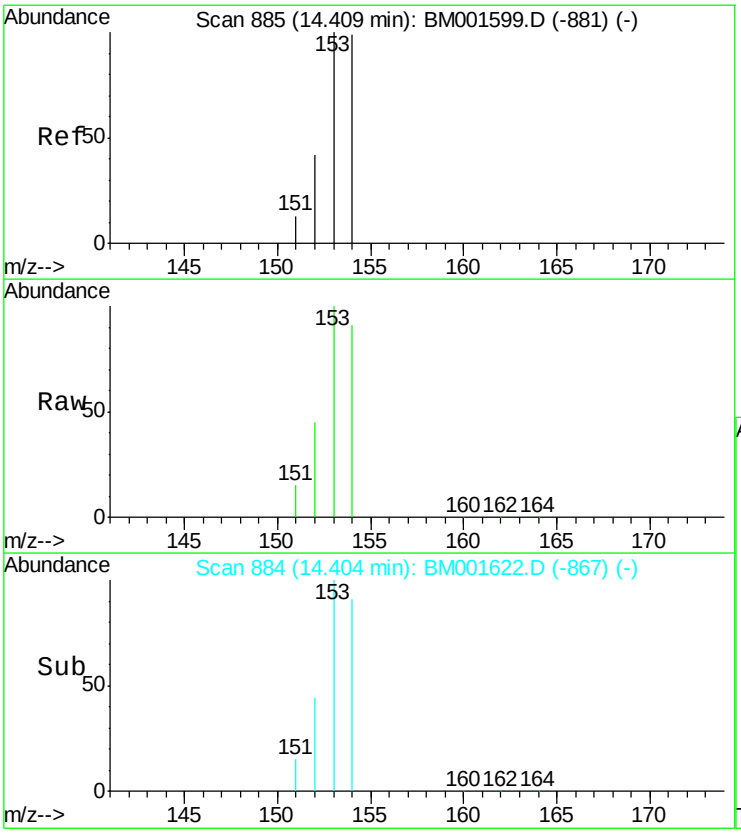
Tgt Ion:152 Resp: 136514

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.5	23.3
153	12.9	10.3	15.5



Instrument :
BNA_M
ClientSampleId :
PB83893BSD

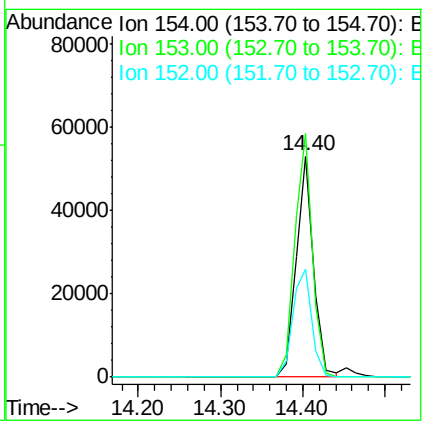
Manual Integrations APPROVED
apatel
6/10/2015 1:05:54 PM

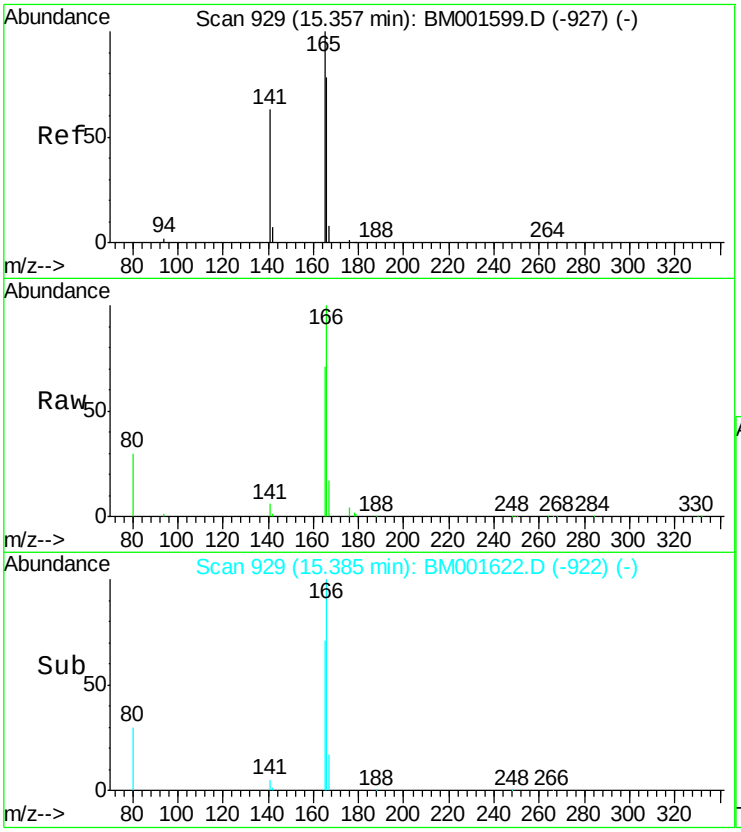


#16
Acenaphthene
Concen: 8.36 ng
RT: 14.40 min Scan# 884
Delta R.T. 0.01 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

Tgt Ion:154 Resp: 77554

Ion	Ratio	Lower	Upper
154	100		
153	112.6	89.4	134.0
152	53.9	43.6	65.4

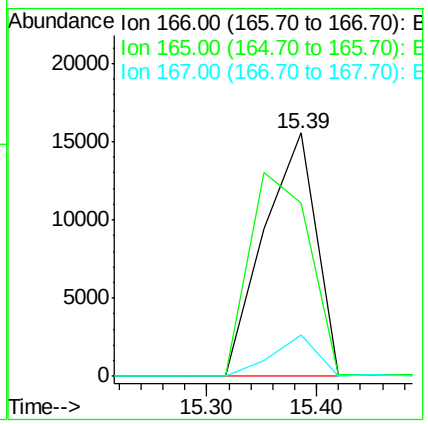




#17
Fluorene
Concen: 8.10 ng
RT: 15.39 min Scan# 929
Delta R.T. 0.03 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

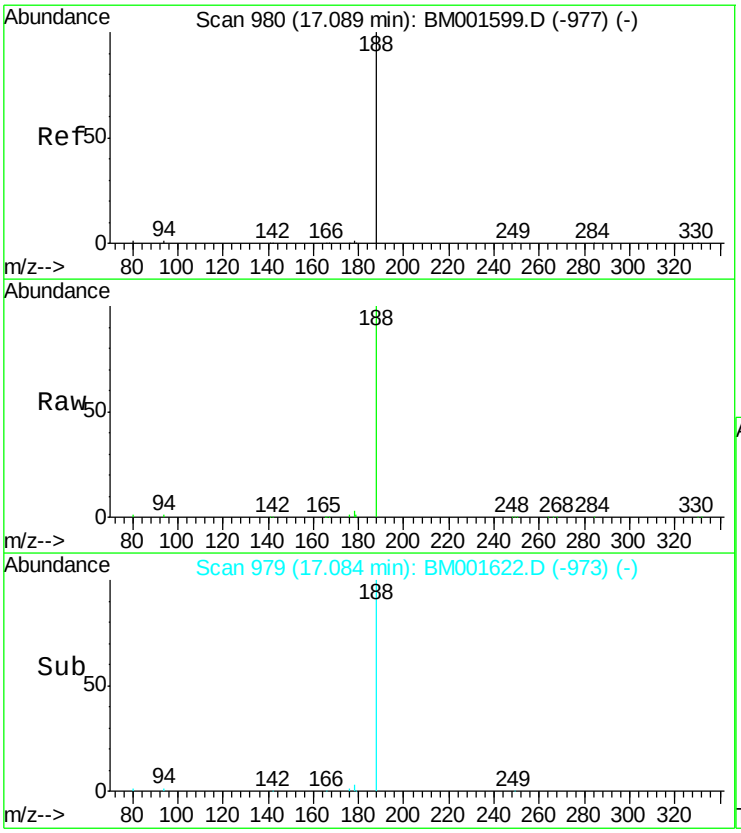
Tgt Ion:166 Resp: 50850

Ion	Ratio	Lower	Upper
166	100		
165	0.0	87.8	131.8#
167	14.2	10.0	15.0



Instrument :
BNA_M
ClientSampleId :
PB83893BSD

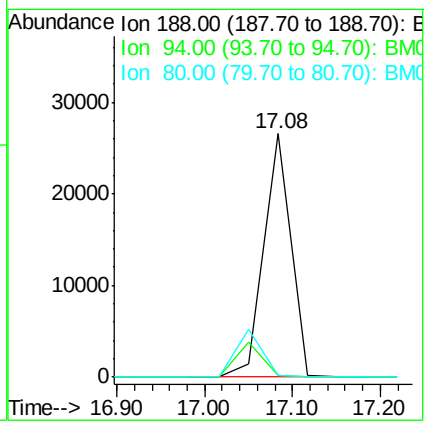
Manual Integrations APPROVED
apatel
6/10/2015 1:05:54 PM

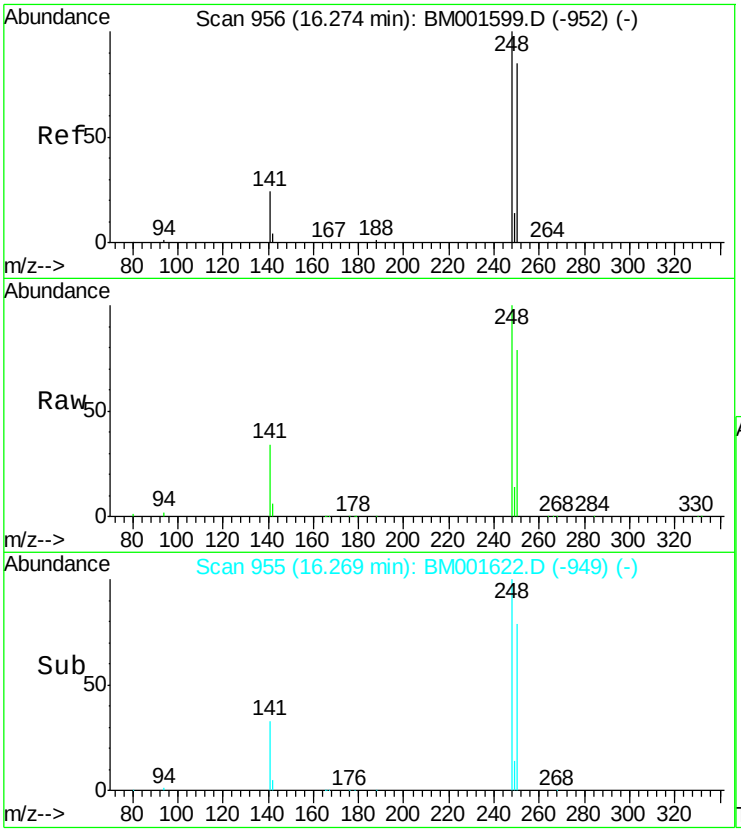


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.08 min Scan# 979
Delta R.T. -0.01 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

Tgt Ion:188 Resp: 57277

Ion	Ratio	Lower	Upper
188	100		
94	0.9	1.0	1.6#
80	0.8	1.0	1.4#

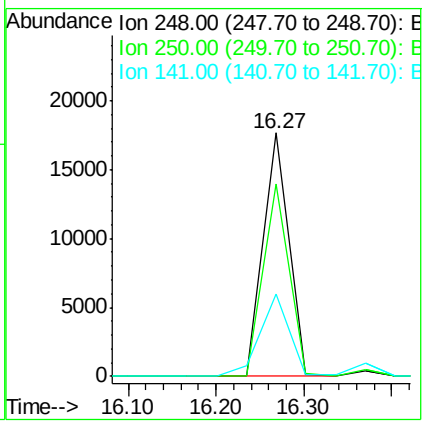




#19
4-Bromophenyl-phenylether
Concen: 6.65 ng
RT: 16.27 min Scan# 955
Delta R.T. -0.01 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

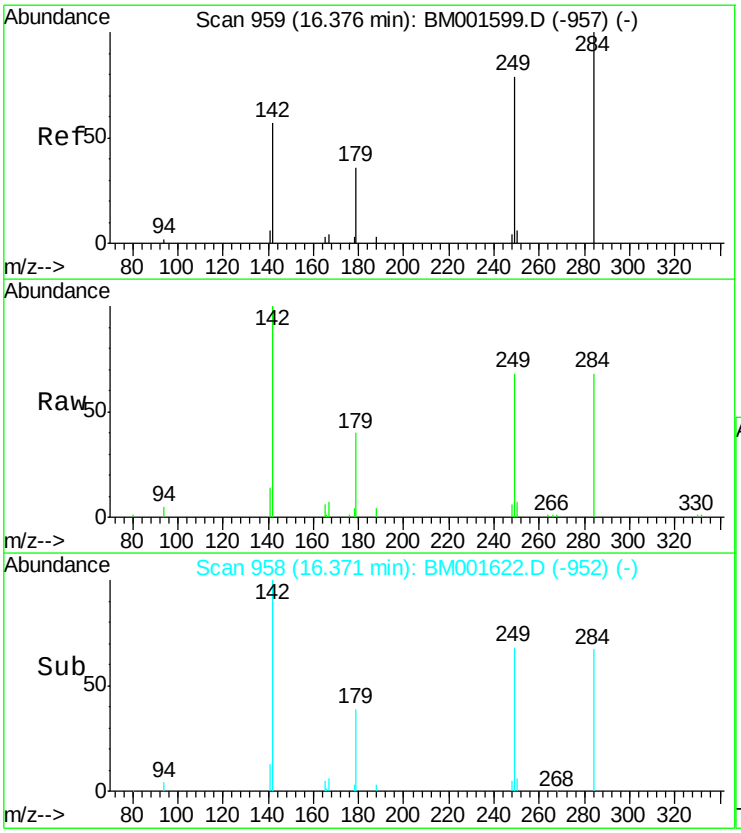
Tgt Ion:248 Resp: 36132

Ion	Ratio	Lower	Upper
248	100		
250	79.4	68.6	103.0
141	37.3	25.5	38.3



Instrument :
BNA_M
ClientSampleId :
PB83893BSD

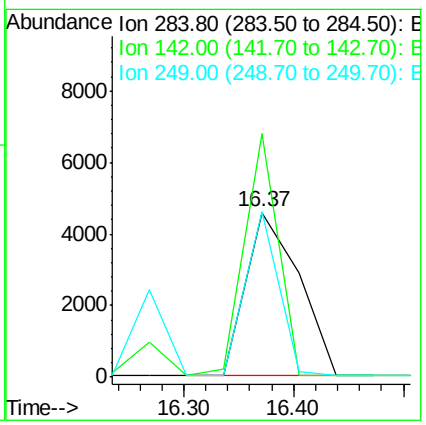
Manual Integrations APPROVED
apatel
6/10/2015 1:05:54 PM

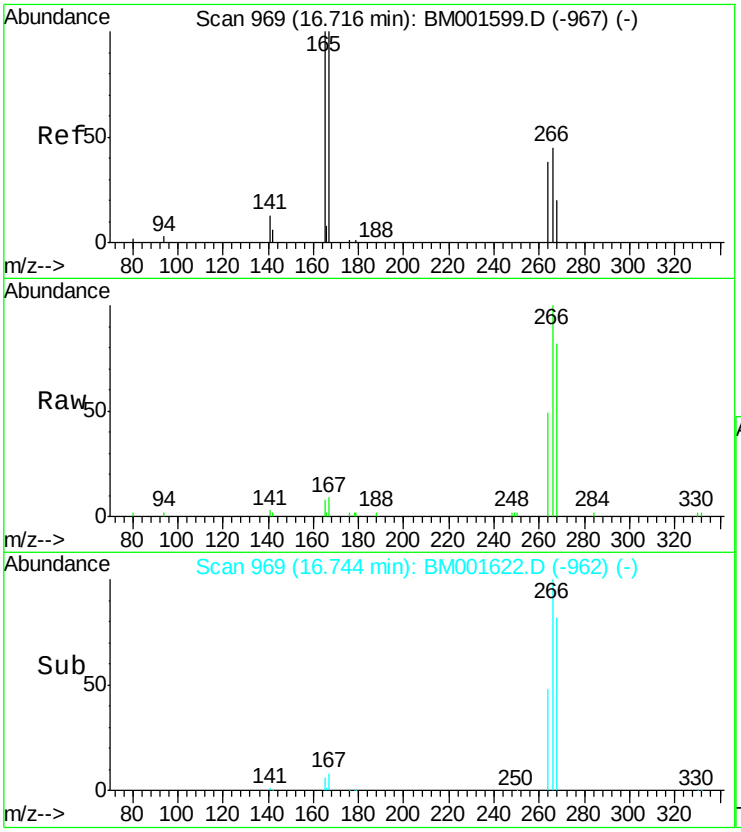


#20
Hexachlorobenzene
Concen: 5.10 ng
RT: 16.37 min Scan# 958
Delta R.T. -0.01 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

Tgt Ion:284 Resp: 15148

Ion	Ratio	Lower	Upper
284	100		
142	105.7	47.3	70.9#
249	63.3	75.8	113.6#

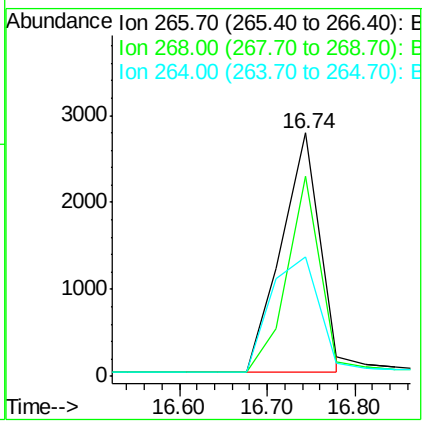




#21
Pentachlorophenol
Concen: 8.43 ng
RT: 16.74 min Scan# 969
Delta R.T. 0.03 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

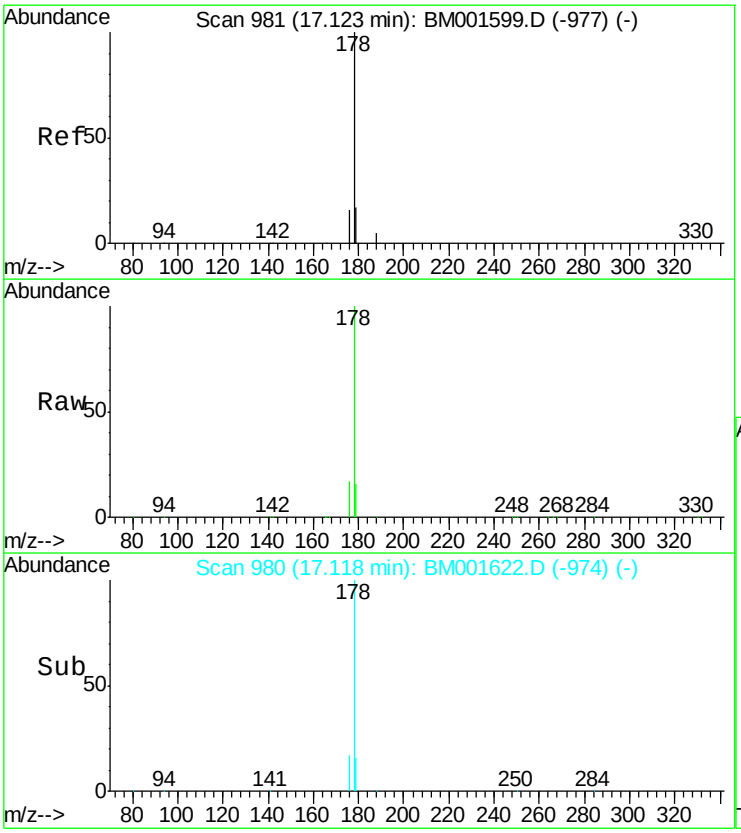
Tgt Ion:266 Resp: 8382

Ion	Ratio	Lower	Upper
266	100		
268	82.4	45.8	68.8#
264	48.8	70.6	106.0#



Instrument :
BNA_M
ClientSampleId :
PB83893BSD

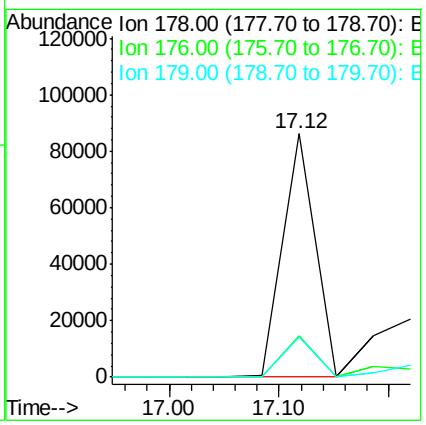
Manual Integrations APPROVED
apatel
6/10/2015 1:05:54 PM

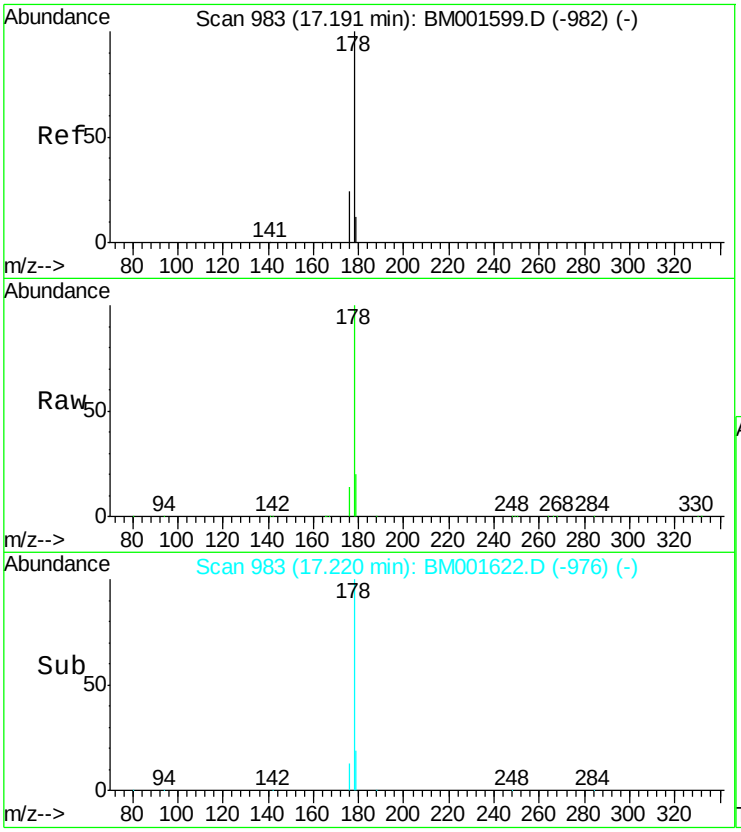


#22
Phenanthrene
Concen: 8.68 ng
RT: 17.12 min Scan# 980
Delta R.T. -0.01 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

Tgt Ion:178 Resp: 177469

Ion	Ratio	Lower	Upper
178	100		
176	17.3	13.2	19.8
179	16.2	13.8	20.8

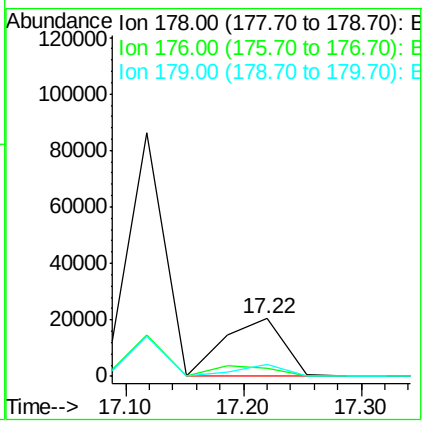




#23
Anthracene
Concen: 6.03 ng m
RT: 17.22 min Scan# 983
Delta R.T. 0.03 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

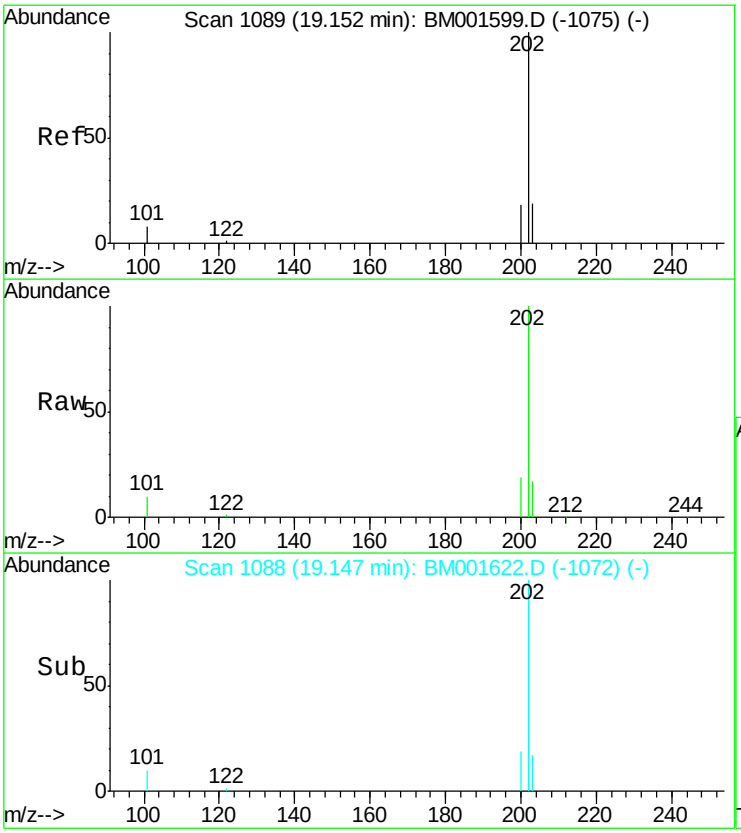
Tgt Ion:178 Resp: 73105

Ion	Ratio	Lower	Upper
178	100		
176	60.4	21.9	32.9#
179	43.9	23.0	34.4#



Instrument :
BNA_M
ClientSampleId :
PB83893BSD

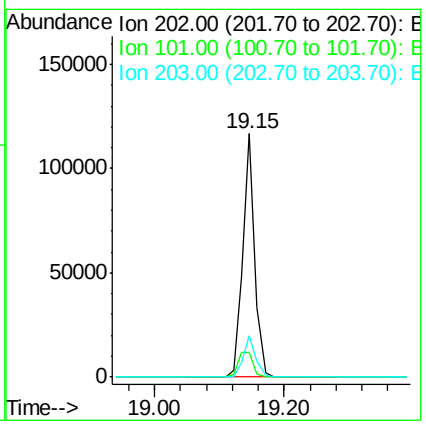
Manual Integrations APPROVED
apatel
6/10/2015 1:05:54 PM

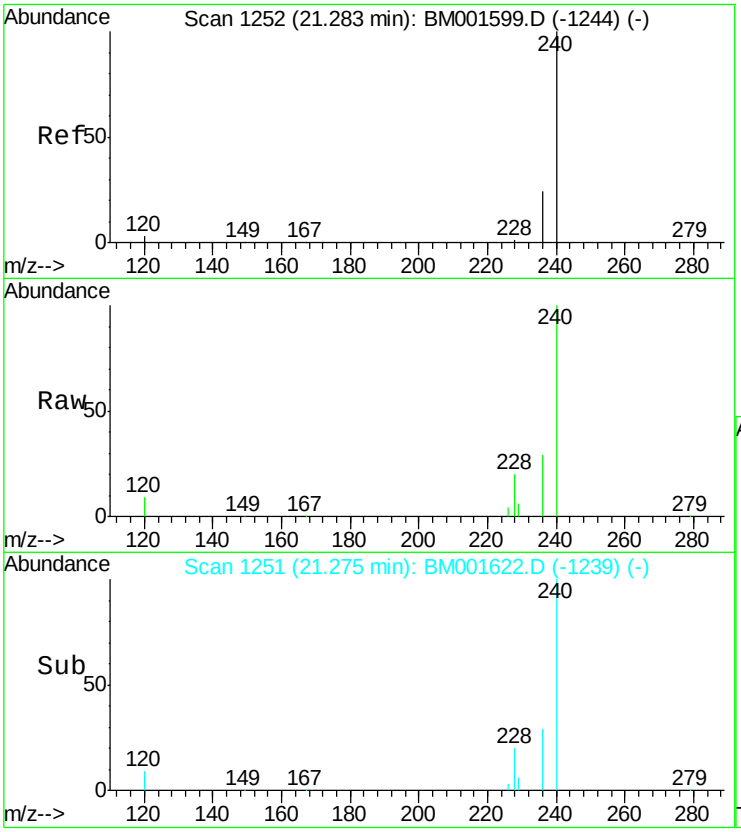


#24
Fluoranthene
Concen: 6.72 ng
RT: 19.15 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

Tgt Ion:202 Resp: 148748

Ion	Ratio	Lower	Upper
202	100		
101	13.1	10.4	15.6
203	17.3	13.8	20.6

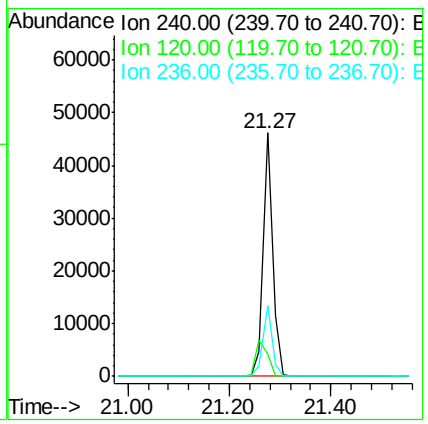




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.27 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

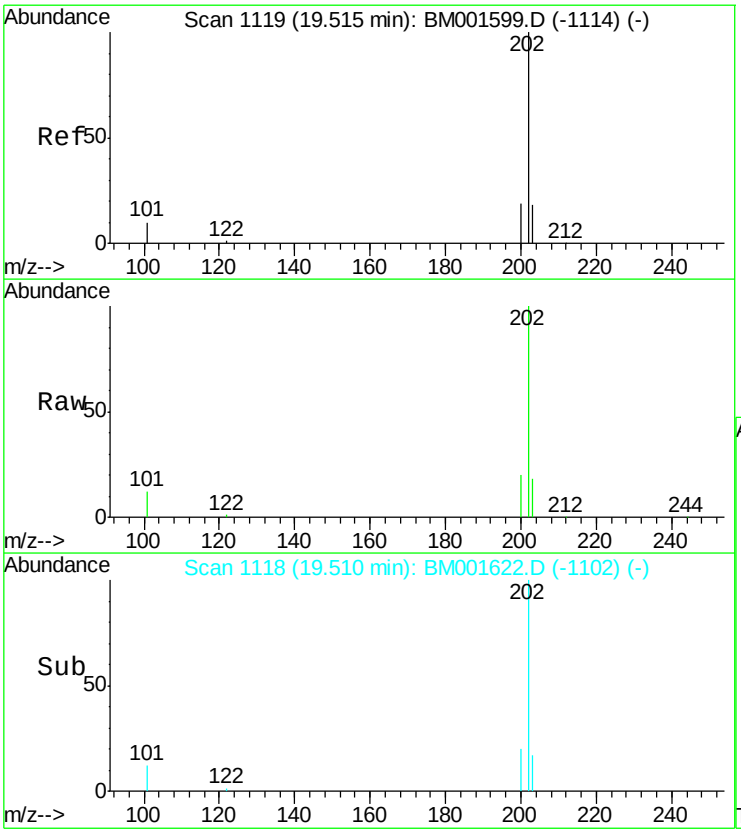
Tgt Ion:240 Resp: 58433

Ion	Ratio	Lower	Upper
240	100		
120	9.0	2.2	3.4#
236	29.1	19.6	29.4



Instrument :
BNA_M
ClientSampleId :
PB83893BSD

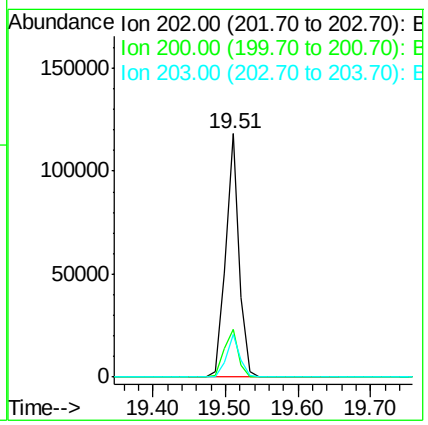
Manual Integrations APPROVED
apatel
6/10/2015 1:05:54 PM

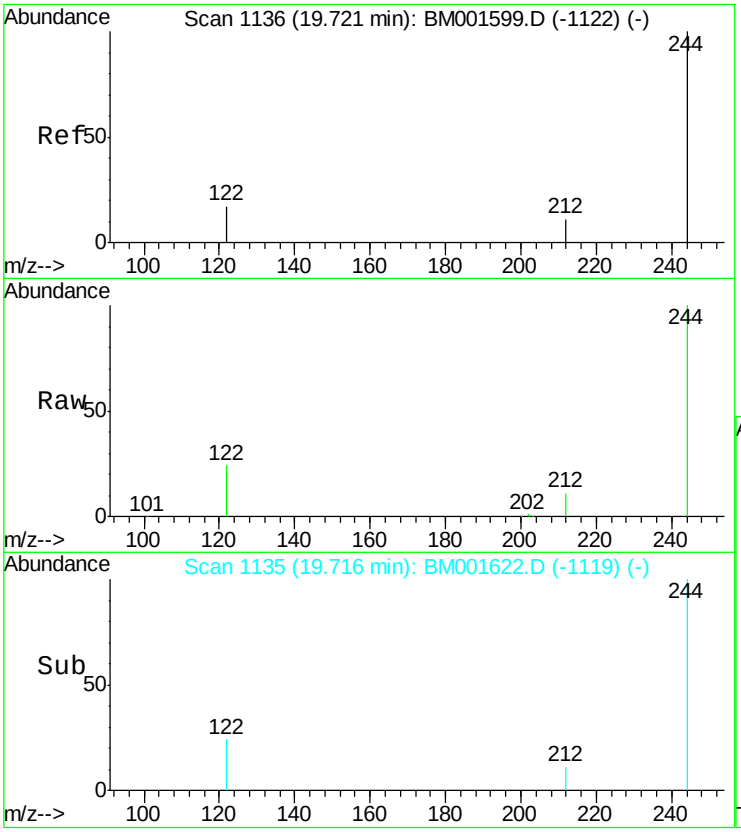


#26
Pyrene
Concen: 8.16 ng
RT: 19.51 min Scan# 1118
Delta R.T. -0.01 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

Tgt Ion:202 Resp: 154560

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.7	25.1
203	17.4	14.0	21.0

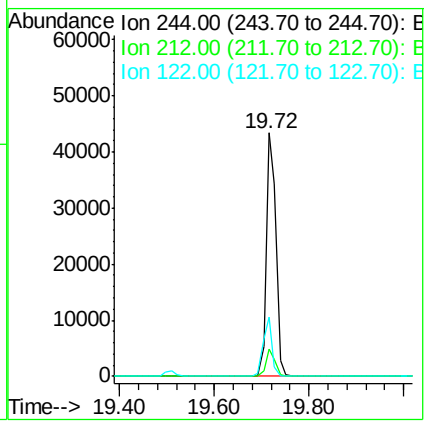




#27
Terphenyl-d14
Concen: 8.22 ng
RT: 19.72 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

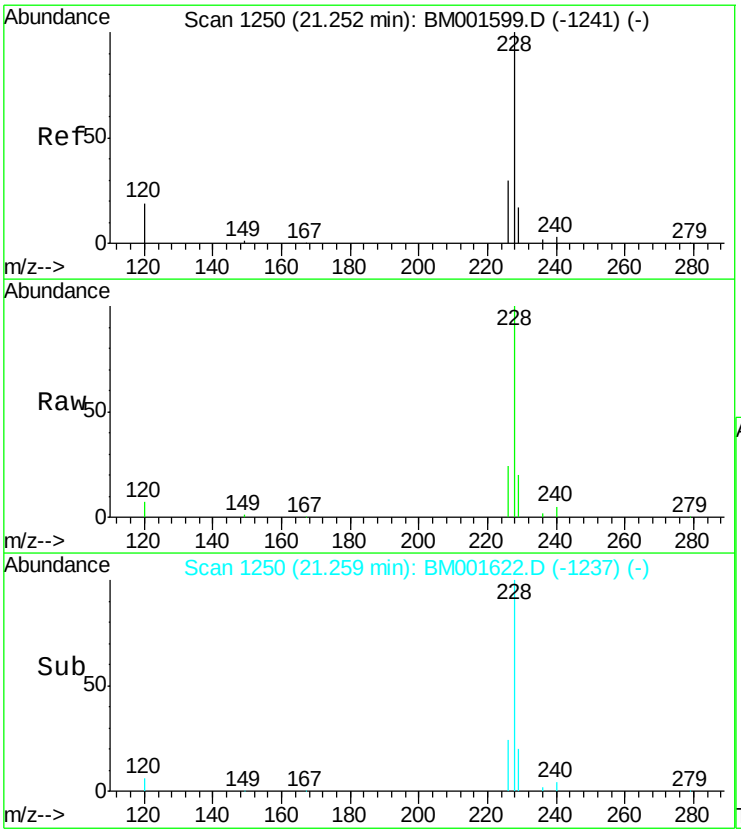
Tgt Ion:244 Resp: 62685

Ion	Ratio	Lower	Upper
244	100		
212	11.3	9.2	13.8
122	24.2	14.5	21.7#



Instrument :
BNA_M
ClientSampleId :
PB83893BSD

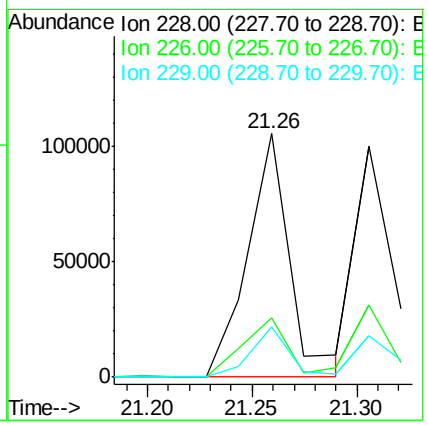
Manual Integrations APPROVED
apatel
6/10/2015 1:05:54 PM

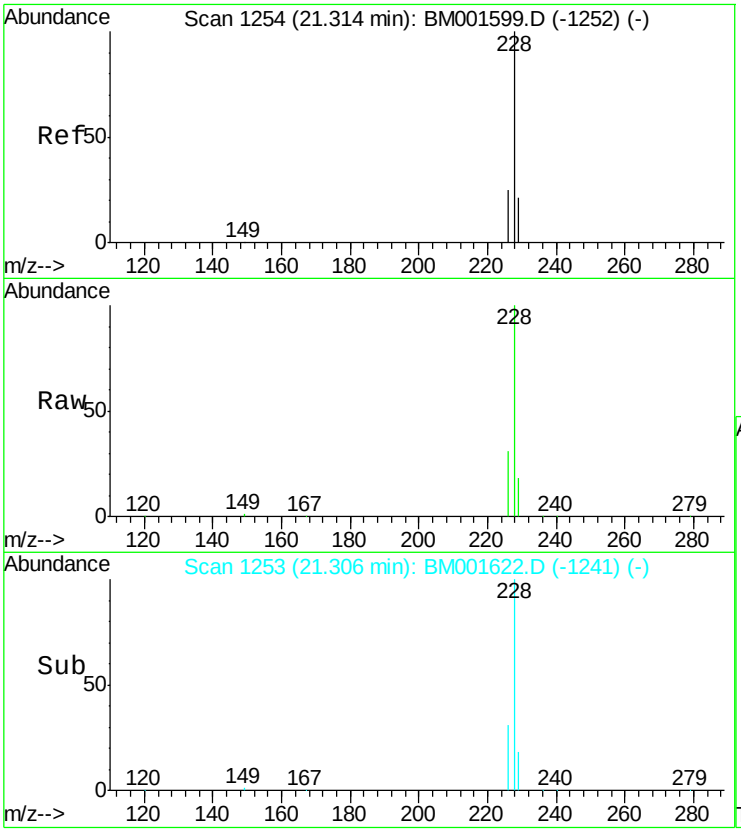


#28
Benzo(a)anthracene
Concen: 8.62 ng m
RT: 21.26 min Scan# 1250
Delta R.T. 0.01 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

Tgt Ion:228 Resp: 147038

Ion	Ratio	Lower	Upper
228	100		
226	24.4	24.6	37.0#
229	20.4	13.8	20.8





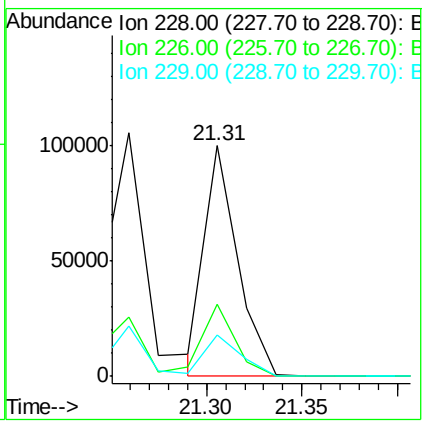
#29
Chrysene
Concen: 7.55 ng m
RT: 21.31 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

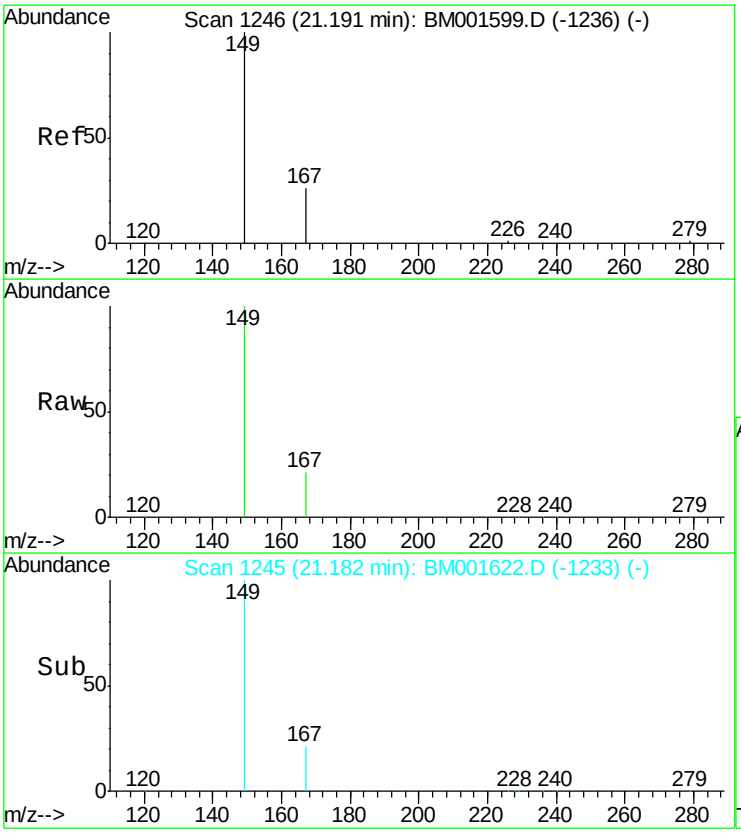
Tgt Ion:228 Resp: 121855

Ion	Ratio	Lower	Upper
228	100		
226	31.2	20.6	31.0#
229	18.1	17.4	26.2

Instrument :
BNA_M
ClientSampleId :
PB83893BSD

Manual Integrations APPROVED
apatel
6/10/2015 1:05:54 PM

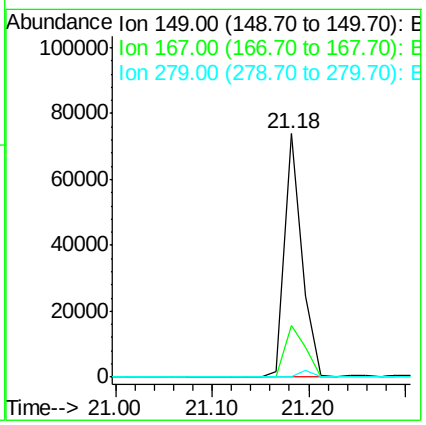


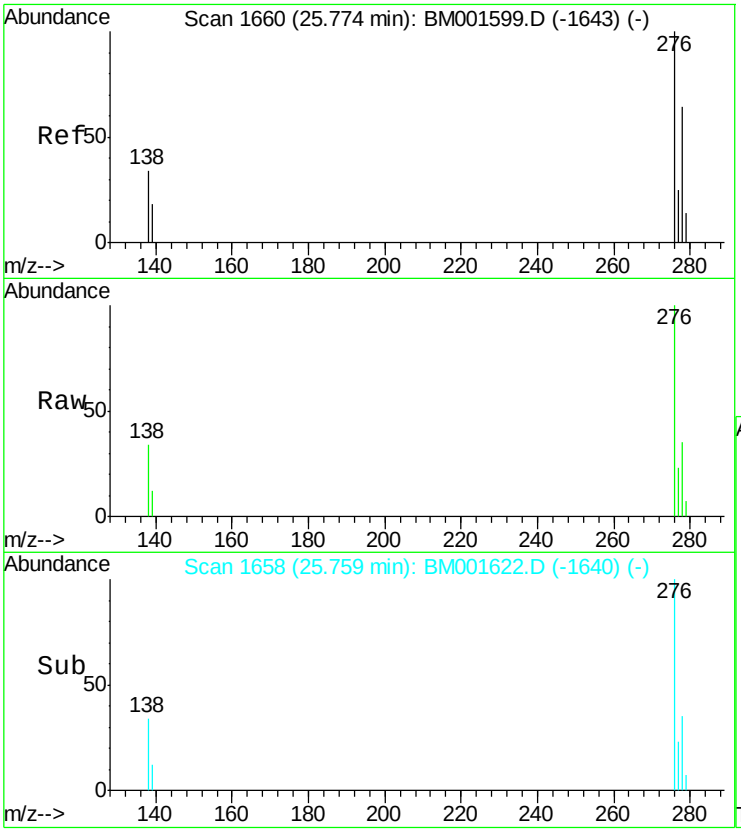


#30
Bis(2-ethylhexyl)phthalate
Concen: 9.44 ng
RT: 21.18 min Scan# 1245
Delta R.T. -0.01 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

Tgt Ion:149 Resp: 93133

Ion	Ratio	Lower	Upper
149	100		
167	24.8	20.2	30.4
279	2.2	1.7	2.5

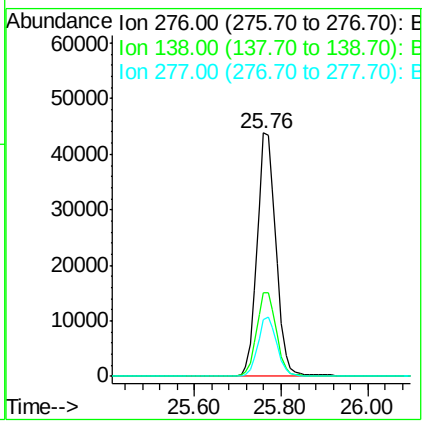




#31
Indeno(1,2,3-cd)pyrene
Concen: 8.10 ng
RT: 25.76 min Scan# 1658
Delta R.T. -0.01 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

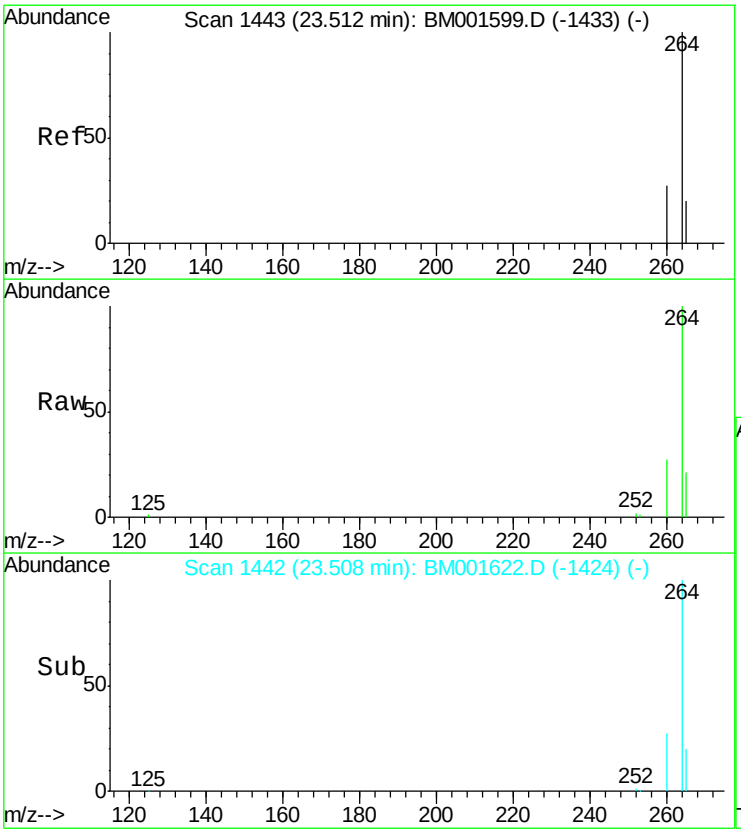
Tgt Ion:276 Resp: 132776

Ion	Ratio	Lower	Upper
276	100		
138	35.8	28.2	42.2
277	24.5	19.4	29.2



Instrument :
BNA_M
ClientSampleId :
PB83893BSD

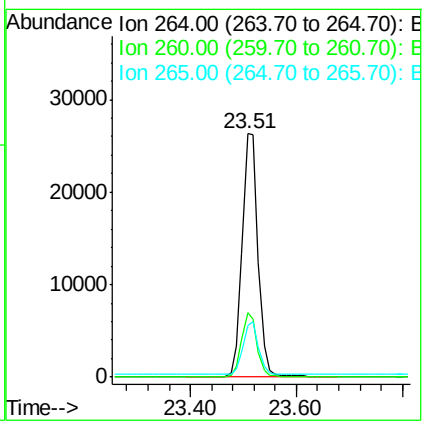
Manual Integrations APPROVED
apatel
6/10/2015 1:05:54 PM

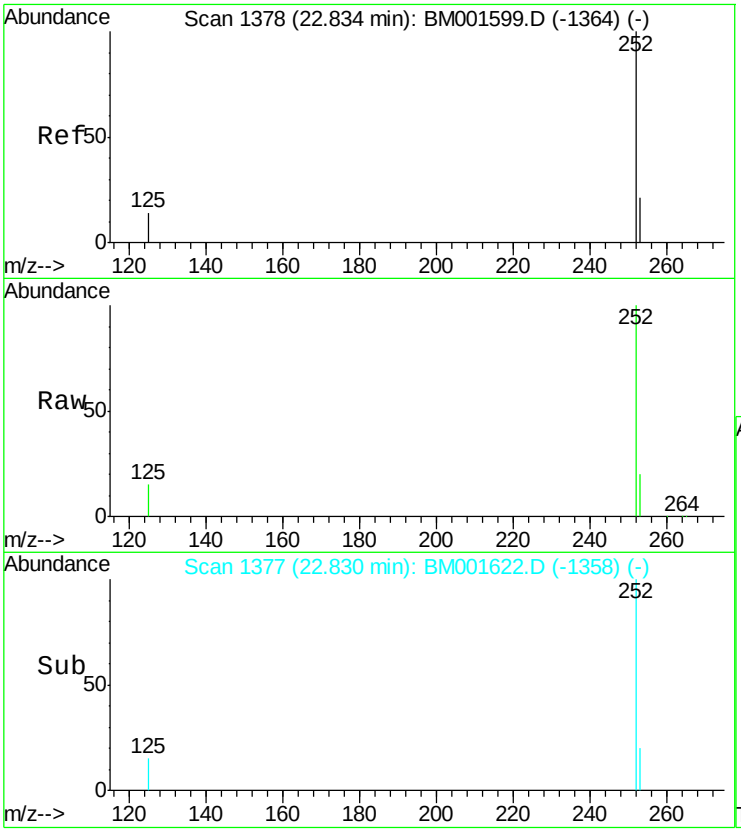


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.51 min Scan# 1442
Delta R.T. -0.01 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

Tgt Ion:264 Resp: 54369

Ion	Ratio	Lower	Upper
264	100		
260	26.6	21.8	32.6
265	21.0	16.8	25.2

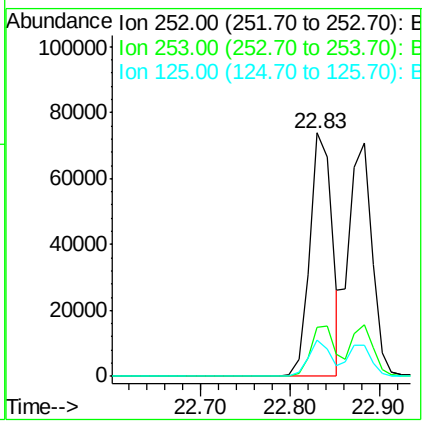




#33
Benzo(b)fluoranthene
Concen: 7.73 ng
RT: 22.83 min Scan# 1377
Delta R.T. -0.00 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

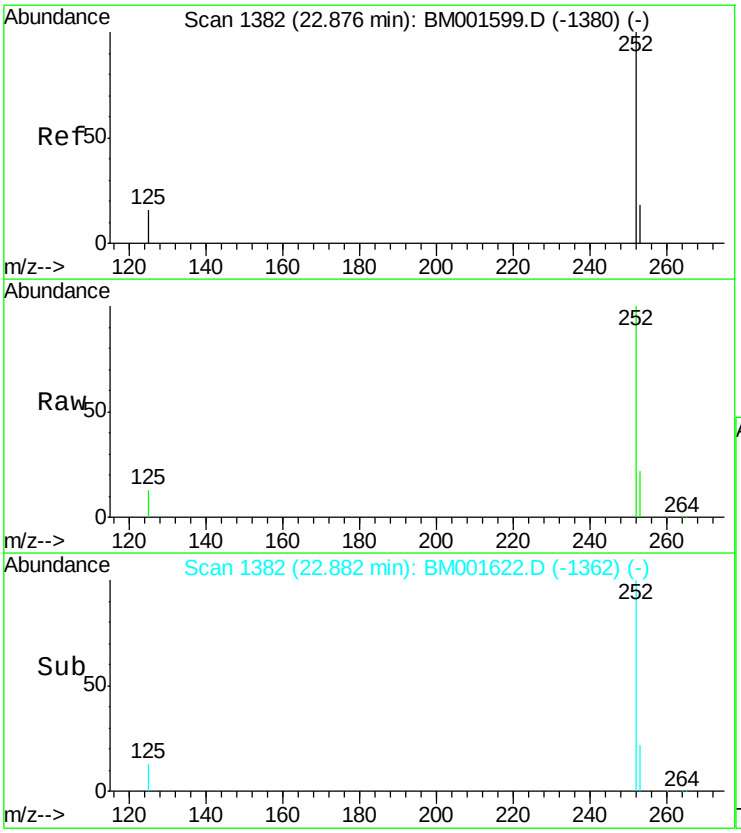
Tgt Ion:252 Resp: 126448

Ion	Ratio	Lower	Upper
252	100		
253	20.3	17.6	26.4
125	14.7	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
PB83893BSD

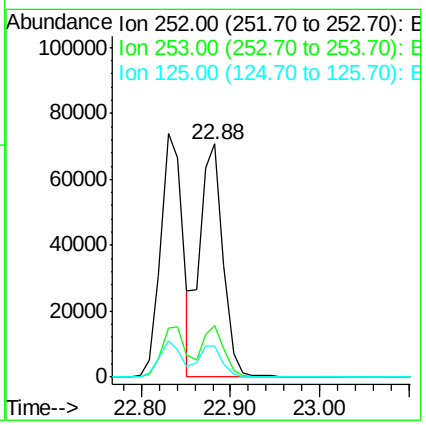
Manual Integrations APPROVED
apatel
6/10/2015 1:05:54 PM

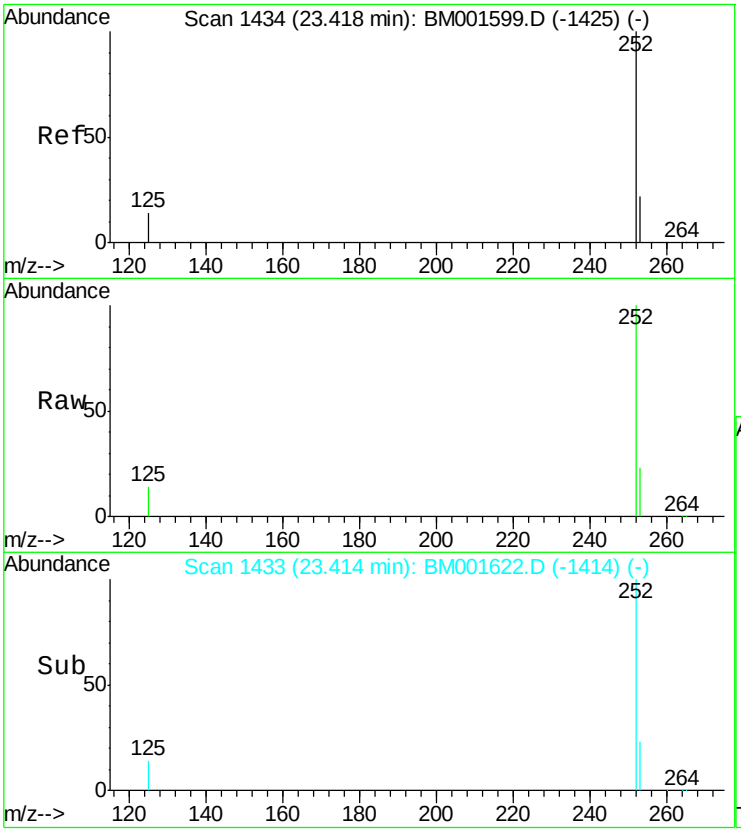


#34
Benzo(k)fluoranthene
Concen: 8.07 ng
RT: 22.88 min Scan# 1382
Delta R.T. 0.01 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

Tgt Ion:252 Resp: 127240

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	13.2	12.8	19.2

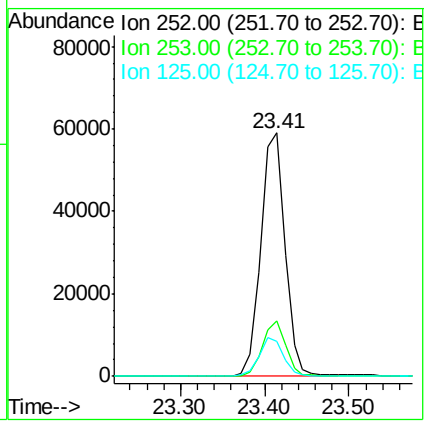




#35
Benzo(a)pyrene
Concen: 8.02 ng
RT: 23.41 min Scan# 1433
Delta R.T. -0.00 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

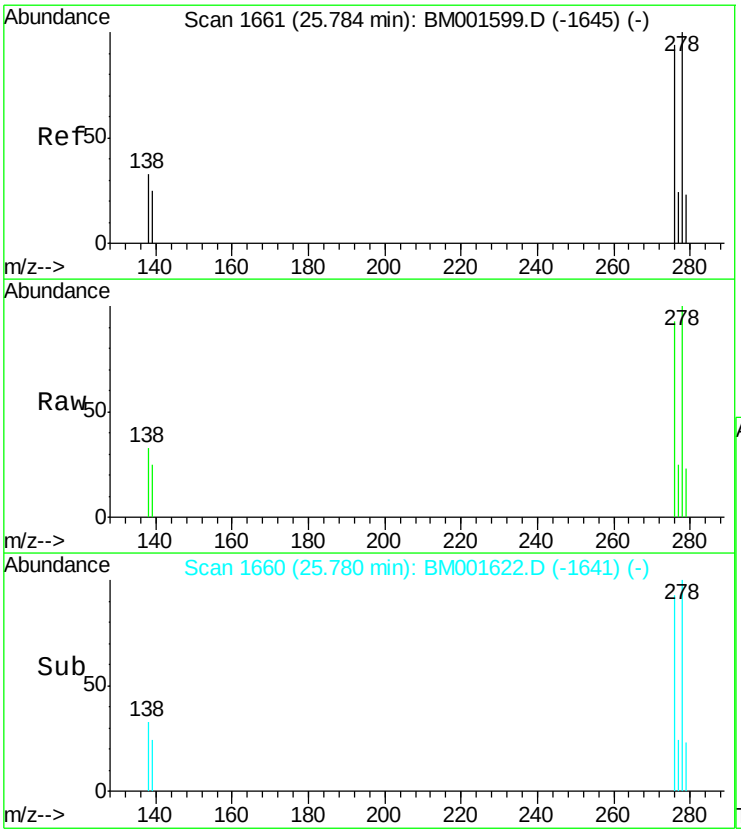
Tgt Ion:252 Resp: 115813

Ion	Ratio	Lower	Upper
252	100		
253	22.7	19.4	29.0
125	14.5	13.0	19.6



Instrument :
BNA_M
ClientSampleId :
PB83893BSD

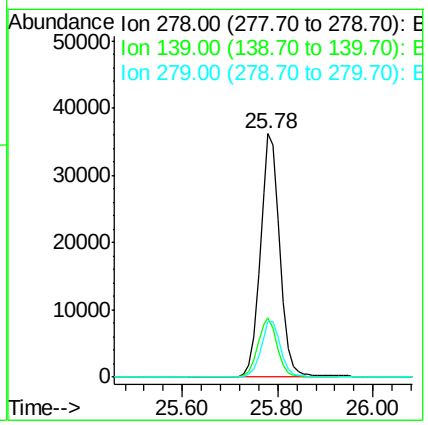
Manual Integrations APPROVED
apatel
6/10/2015 1:05:54 PM

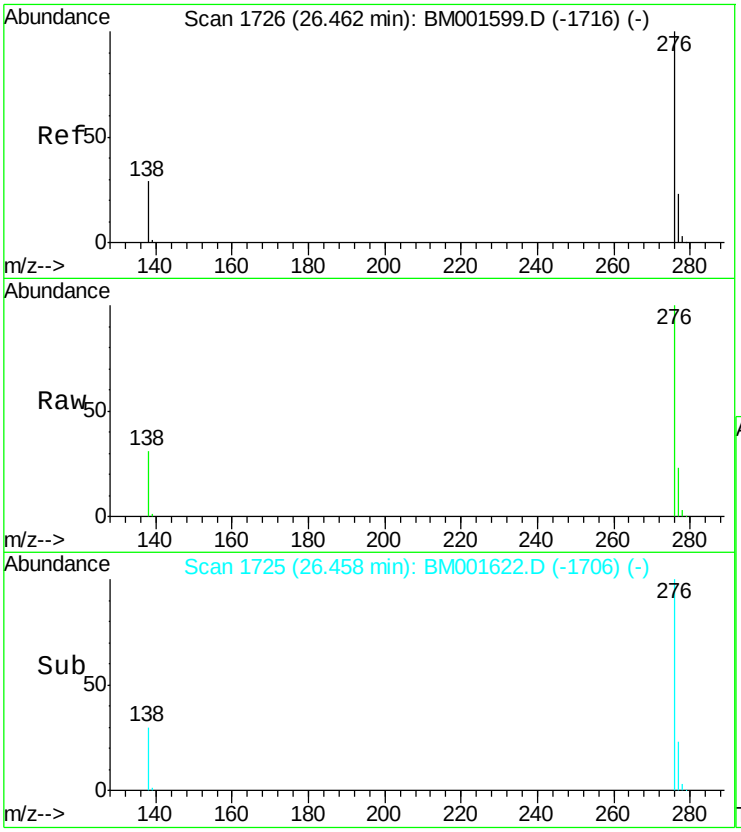


#36
Dibenzo(a,h)anthracene
Concen: 7.81 ng
RT: 25.78 min Scan# 1660
Delta R.T. -0.00 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

Tgt Ion:278 Resp: 102997

Ion	Ratio	Lower	Upper
278	100		
139	24.6	20.6	31.0
279	22.7	19.7	29.5

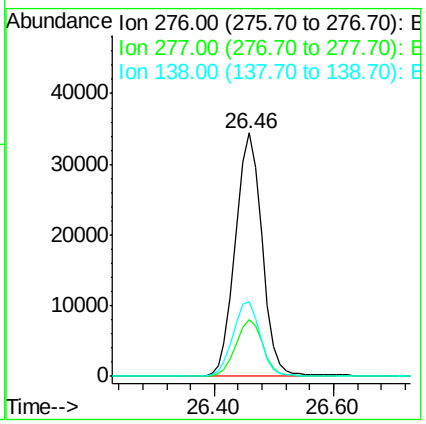




#37
Benzo(g,h,i)perylene
Concen: 7.48 ng
RT: 26.46 min Scan# 1725
Delta R.T. -0.00 min
Lab File: BM001622.D
Acq: 09 Jun 2015 19:35

Tgt Ion:276 Resp: 106358

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.4	29.0
138	30.5	24.5	36.7



Instrument :
BNA_M
ClientSampleId :
PB83893BSD

Manual Integrations APPROVED
apatel
6/10/2015 1:05:54 PM