Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061915\
Data File : BM001744.D
Acq On : 18 Jun 2015 19:36
Operator : TP/IZ
Sample : SSTDICC0.8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SSTDICC0.8

Manual Integrations APPROVED
apatel
6/22/2015 2:45:19 PM

Quant Time: Jun 19 04:27:59 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM061915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 19 04:18:06 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	15648	5.00	ng		0.00
6) Naphthalene-d8	10.46	136	56542	5.00	ng		0.00
12) Acenaphthene-d10	14.32	164	27218	5.00	ng		0.00
18) Phenanthrene-d10	17.06	188	66096	5.00	ng		0.00
25) Chrysene-d12	21.25	240	46452	5.00	ng		0.00
32) Perylene-d12	23.47	264	41595	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.25	112	3043	0.82	ng		0.00
5) Phenol-d6	6.83	99	3863	0.82	ng		0.00
7) Nitrobenzene-d5	8.83	82	3619	0.83	ng		0.00
13) 2,4,6-Tribromophenol	15.80	330	738	0.76	ng		0.00
14) 2-Fluorobiphenyl	12.94	172	8141	0.85	ng		0.00
27) Terphenyl-d14	19.70	244	5538	0.79	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.18	88	1560	0.79	ng		99
3) n-Nitrosodimethylamine	3.49	42	2313	0.84	ng		99
8) Nitrobenzene	8.87	77	3904	0.83	ng		100
9) Naphthalene	10.49	128	11583	0.84	ng		100
10) Hexachlorobutadiene	10.78	225	1944	0.85	ng		98
11) 2-Methylnaphthalene	12.12	142	7347	0.83	ng		97
15) Acenaphthylene	14.03	152	10614	0.83	ng		100
16) Acenaphthene	14.37	154	6810	0.84	ng		99
17) Fluorene	15.36	166	6202	0.75	ng		98
19) 4-Bromophenyl-phenylether	16.24	248	2431	0.41	ng		92
20) Hexachlorobenzene	16.38	284	1590	0.29	ng	#	100
21) Pentachlorophenol	16.72	266	730	0.47	ng		99
22) Phenanthrene	17.09	178	18770	0.86	ng		99
23) Anthracene	17.19	178	8229m	0.35	ng		
24) Fluoranthene	19.12	202	12334	0.42	ng		100
26) Pyrene	19.49	202	12925	0.81	ng		100
28) Benzo(a)anthracene	21.24	228	11101	0.76	ng		99
29) Chrysene	21.28	228	12265	0.87	ng		99
30) Bis(2-ethylhexyl)phthalate	21.16	149	6228	0.69	ng		99
31) Indeno(1,2,3-cd)pyrene	25.70	276	11723	1.02	ng		100
33) Benzo(b)fluoranthene	22.80	252	11129	0.81	ng		99
34) Benzo(k)fluoranthene	22.84	252	10144	0.78	ng		100
35) Benzo(a)pyrene	23.37	252	9452	0.83	ng		99
36) Dibenzo(a,h)anthracene	25.72	278	9447	0.96	ng		100
37) Benzo(g,h,i)perylene	26.39	276	9910	0.94	ng		98

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

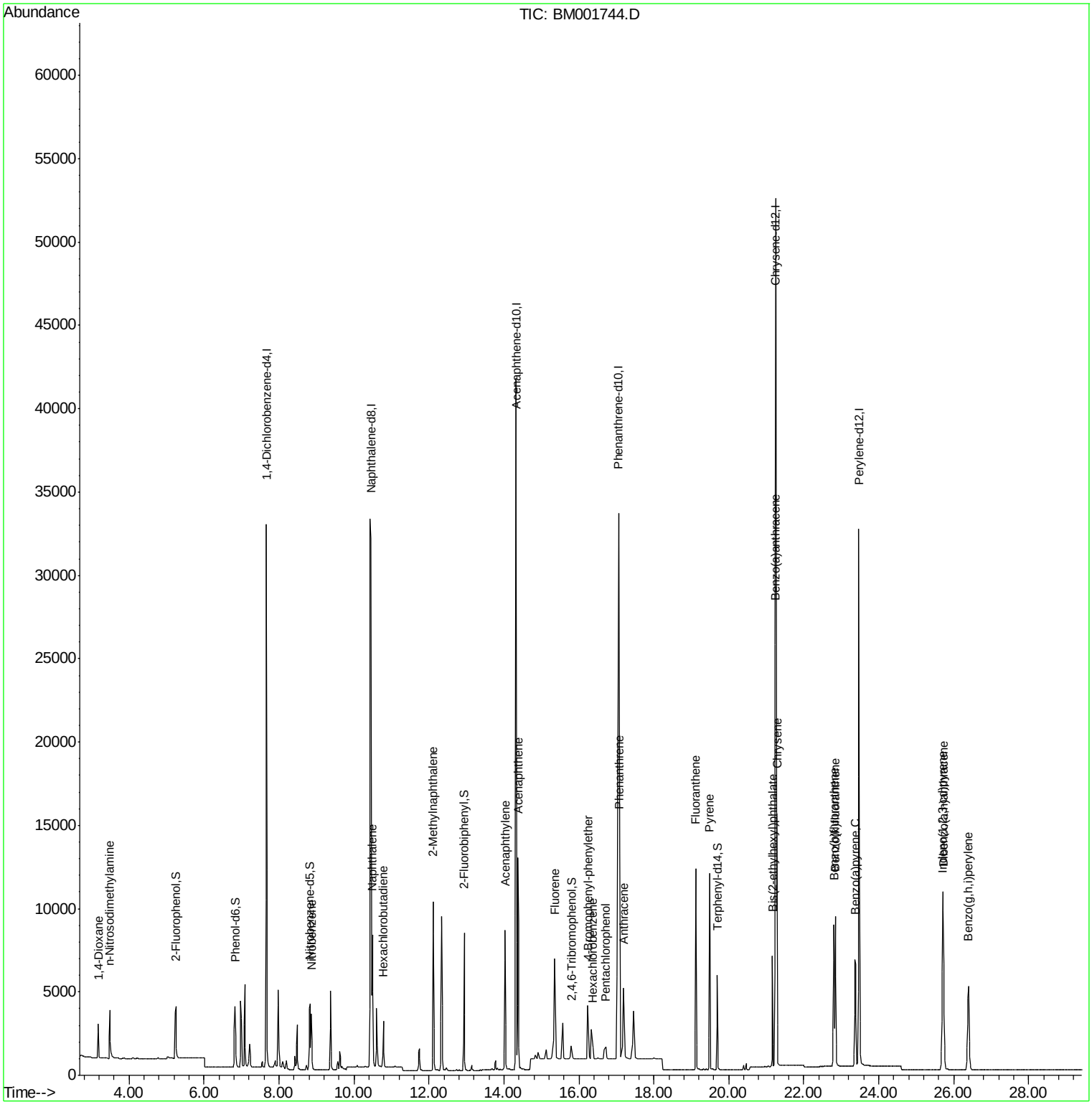
Quantitation Report (QT Reviewed)

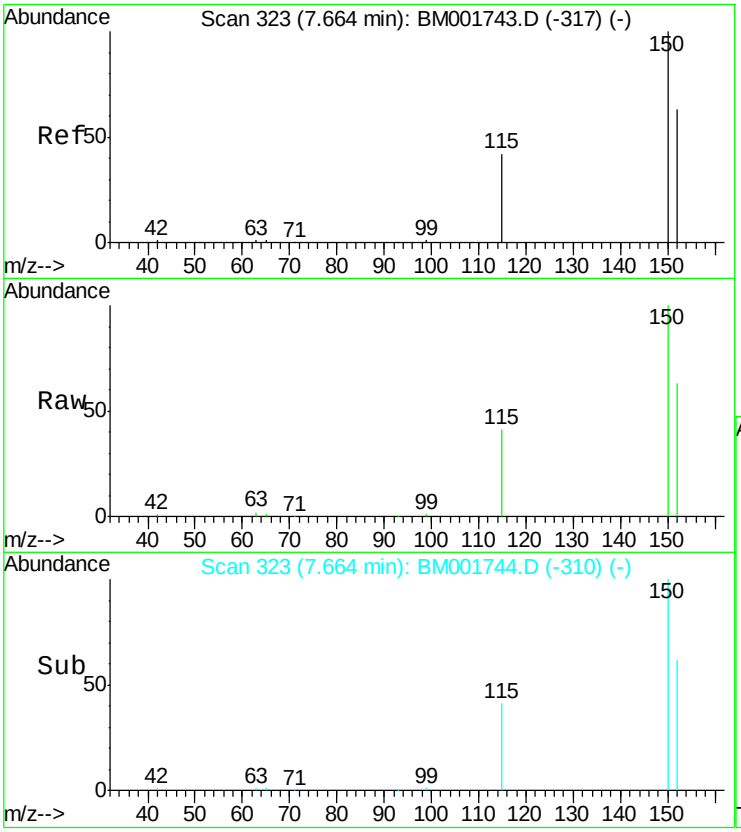
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061915\
Data File : BM001744.D
Acq On : 18 Jun 2015 19:36
Operator : TP/IZ
Sample : SSTDICC0.8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 19 04:27:59 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM061915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 19 04:18:06 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
apatel
6/22/2015 2:45:19 PM

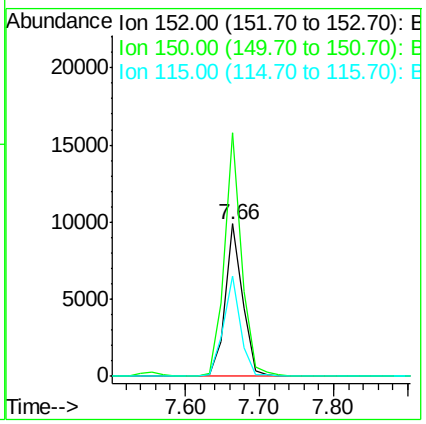




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.66 min Scan# 323
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

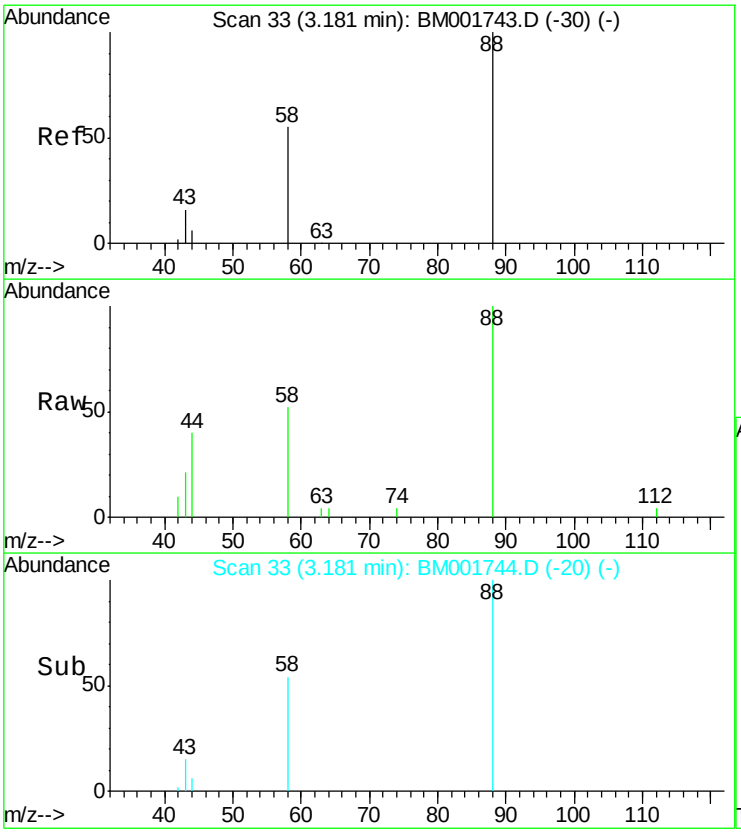
Tgt Ion:152 Resp: 15648

Ion	Ratio	Lower	Upper
152	100		
150	160.0	127.5	191.3
115	66.0	53.2	79.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

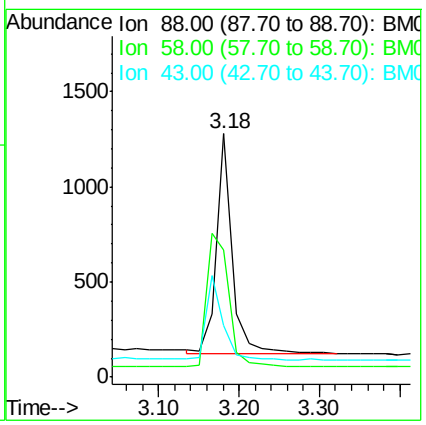
Manual Integrations APPROVED
apatel
6/22/2015 2:45:19 PM

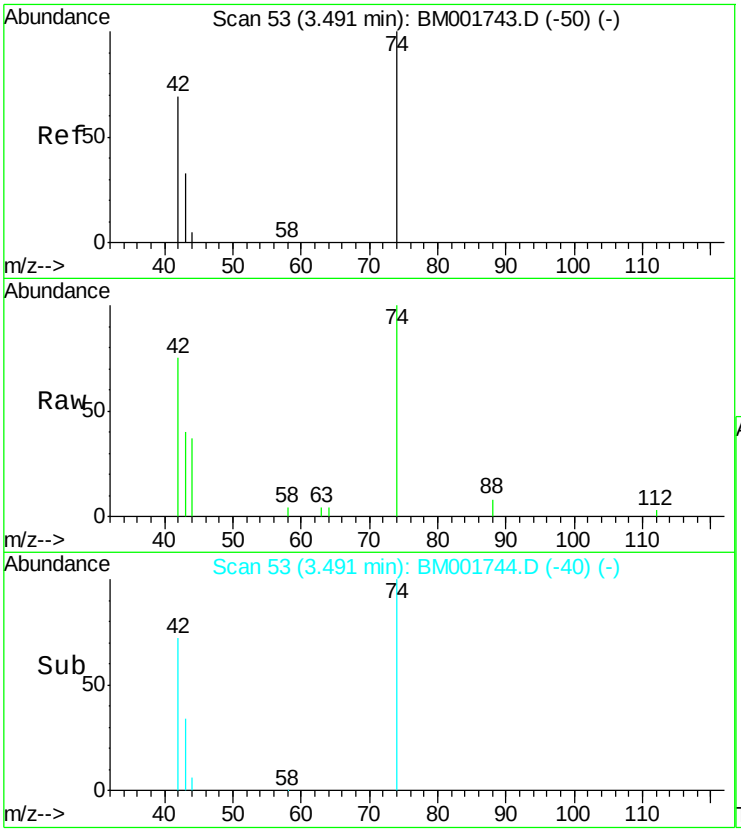


#2
1,4-Dioxane
Concen: 0.79 ng
RT: 3.18 min Scan# 33
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

Tgt Ion: 88 Resp: 1560

Ion	Ratio	Lower	Upper
88	100		
58	86.1	68.3	102.5
43	40.6	32.6	48.8

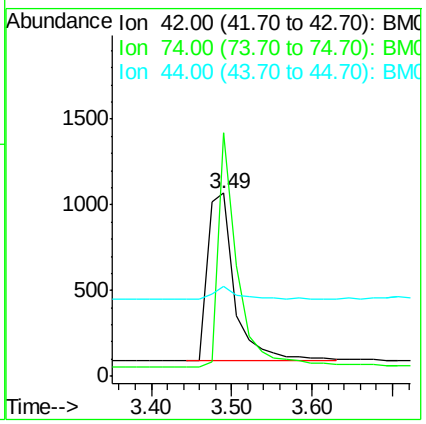




#3
n-Nitrosodimethylamine
Concen: 0.84 ng
RT: 3.49 min Scan# 53
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

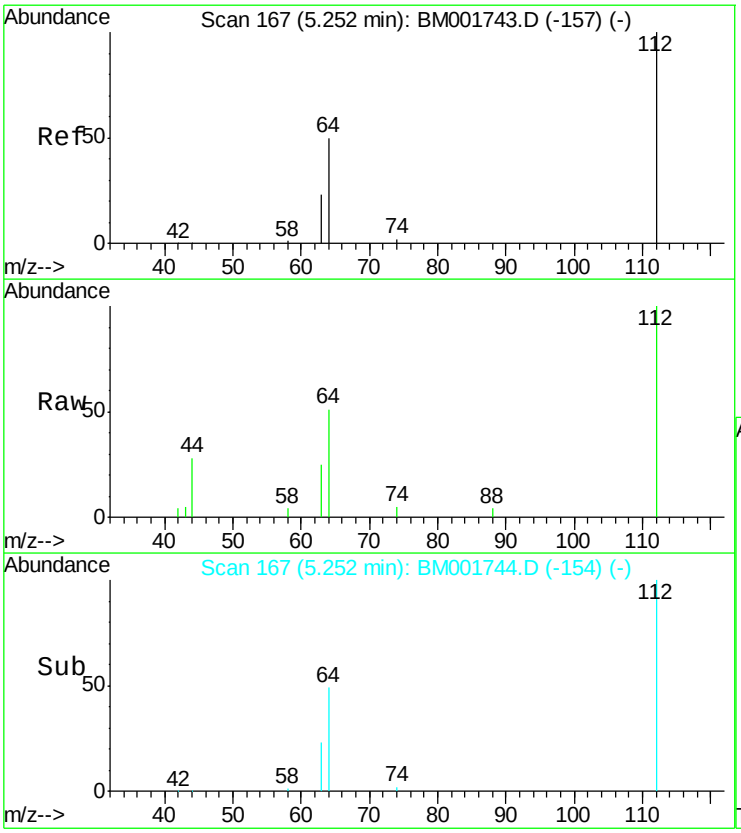
Tgt Ion: 42 Resp: 2313

Ion	Ratio	Lower	Upper
42	100		
74	97.8	78.6	118.0
44	6.2	5.0	7.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

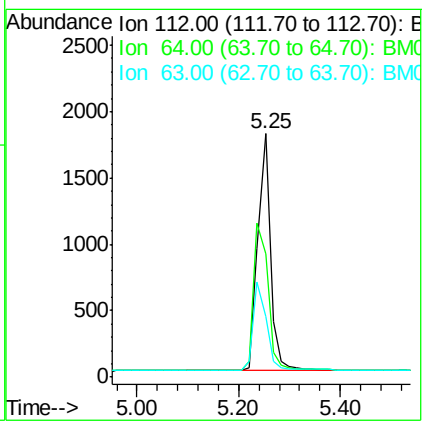
Manual Integrations APPROVED
apatel
6/22/2015 2:45:19 PM

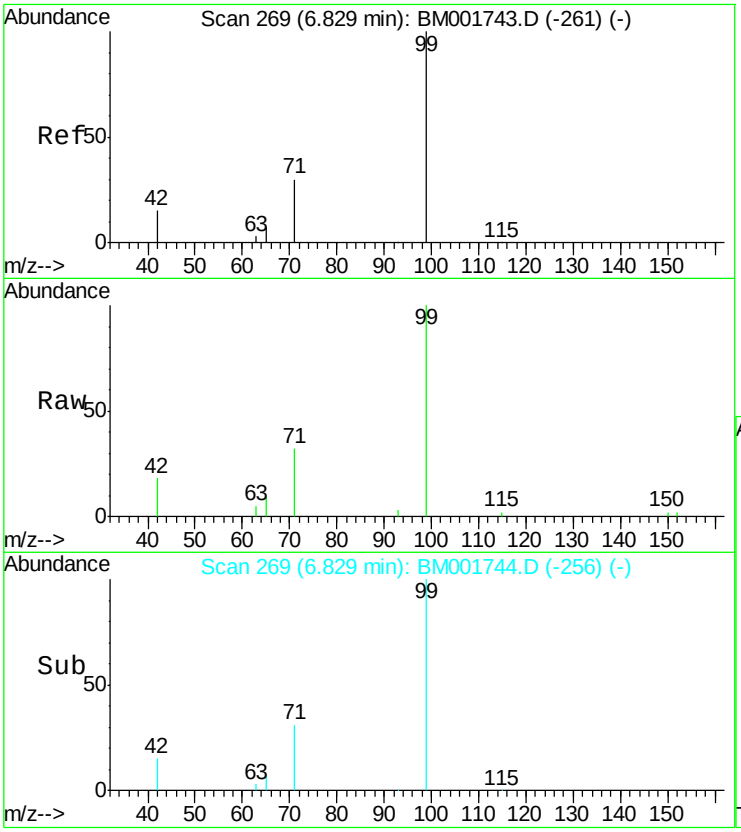


#4
2-Fluorophenol
Concen: 0.82 ng
RT: 5.25 min Scan# 167
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

Tgt Ion:112 Resp: 3043

Ion	Ratio	Lower	Upper
112	100		
64	70.5	55.6	83.4
63	38.5	30.2	45.2

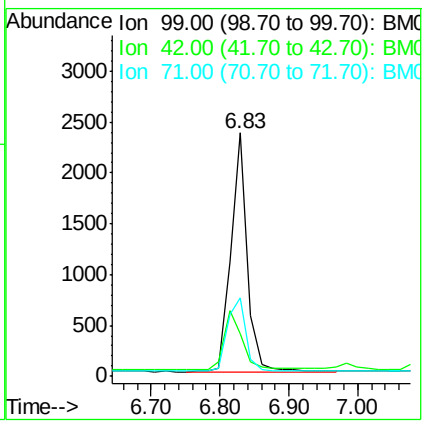




#5
Phenol-d6
Concen: 0.82 ng
RT: 6.83 min Scan# 269
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

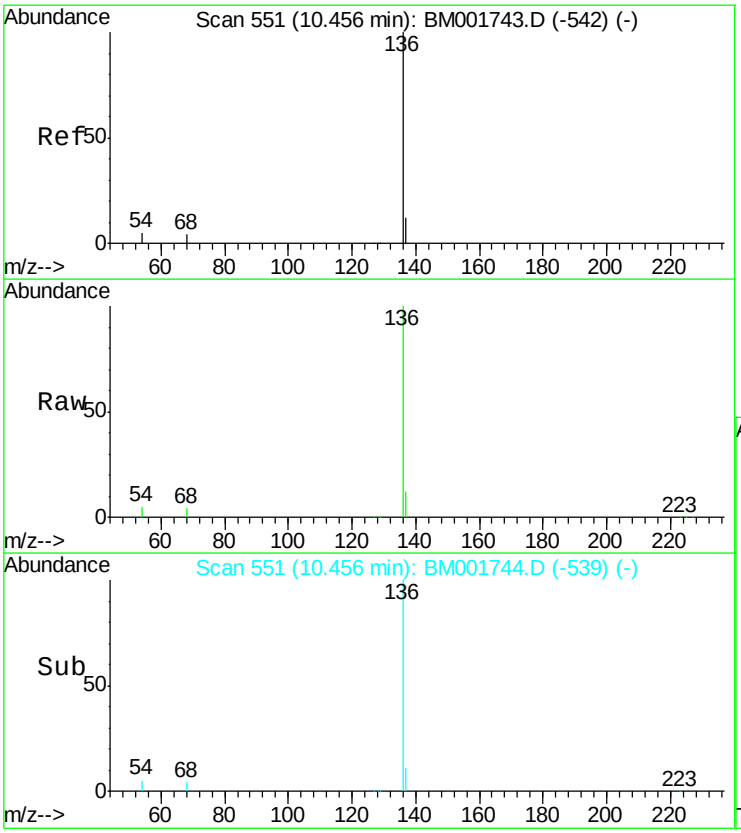
Tgt Ion: 99 Resp: 3863

Ion	Ratio	Lower	Upper
99	100		
42	26.6	21.4	32.0
71	35.5	28.3	42.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

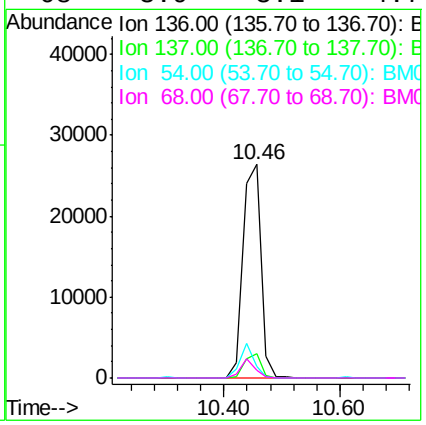
Manual Integrations APPROVED
apatel
6/22/2015 2:45:19 PM

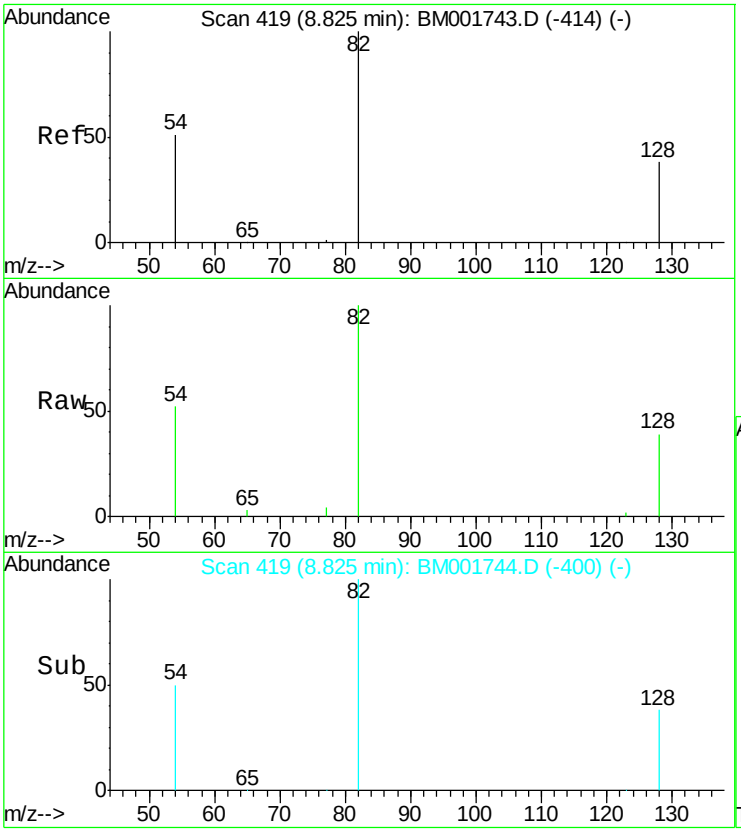


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.46 min Scan# 551
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

Tgt Ion:136 Resp: 56542

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.4	14.0
54	5.5	4.4	6.6
68	3.9	3.1	4.7

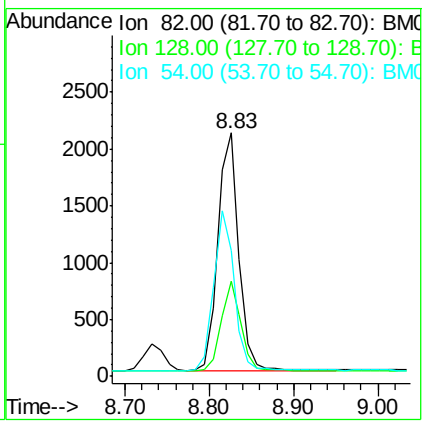




#7
Nitrobenzene-d5
Concen: 0.83 ng
RT: 8.83 min Scan# 419
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

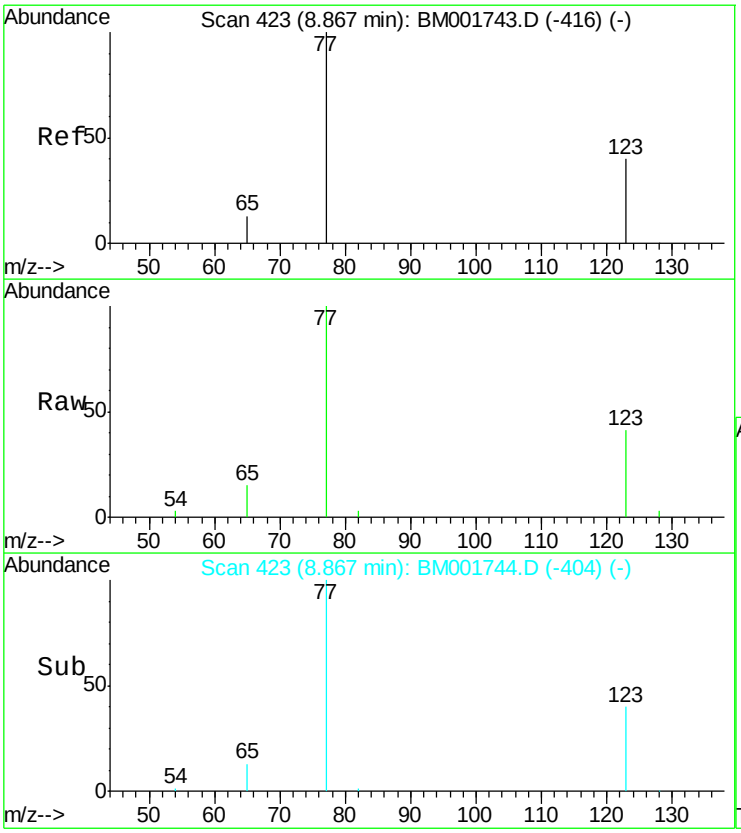
Tgt Ion: 82 Resp: 3619

Ion	Ratio	Lower	Upper
82	100		
128	39.0	31.3	46.9
54	51.6	41.9	62.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

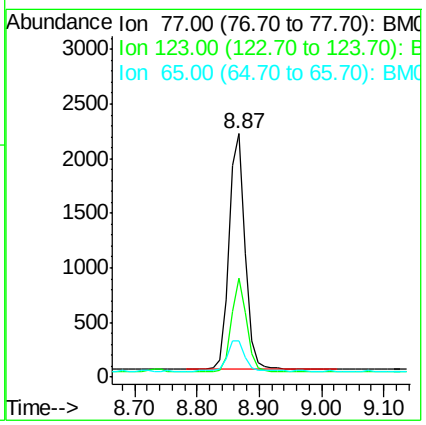
Manual Integrations APPROVED
apatel
6/22/2015 2:45:19 PM

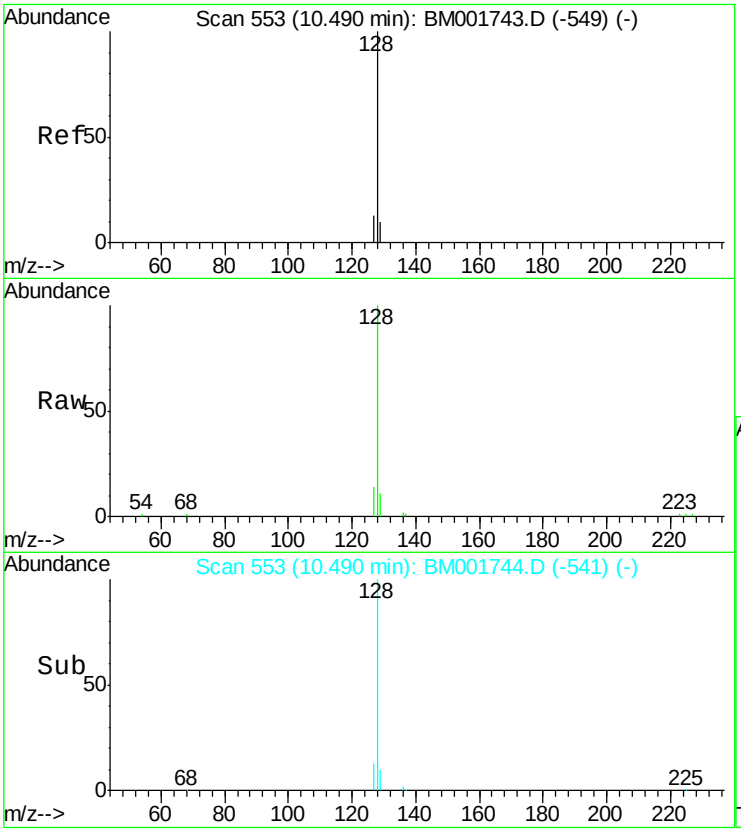


#8
Nitrobenzene
Concen: 0.83 ng
RT: 8.87 min Scan# 423
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

Tgt Ion: 77 Resp: 3904

Ion	Ratio	Lower	Upper
77	100		
123	37.7	30.1	45.1
65	14.0	11.3	16.9

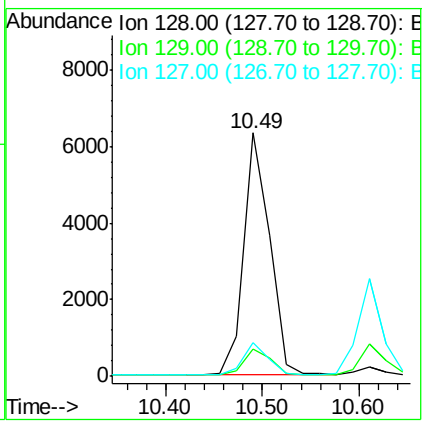




#9
Naphthalene
Concen: 0.84 ng
RT: 10.49 min Scan# 553
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

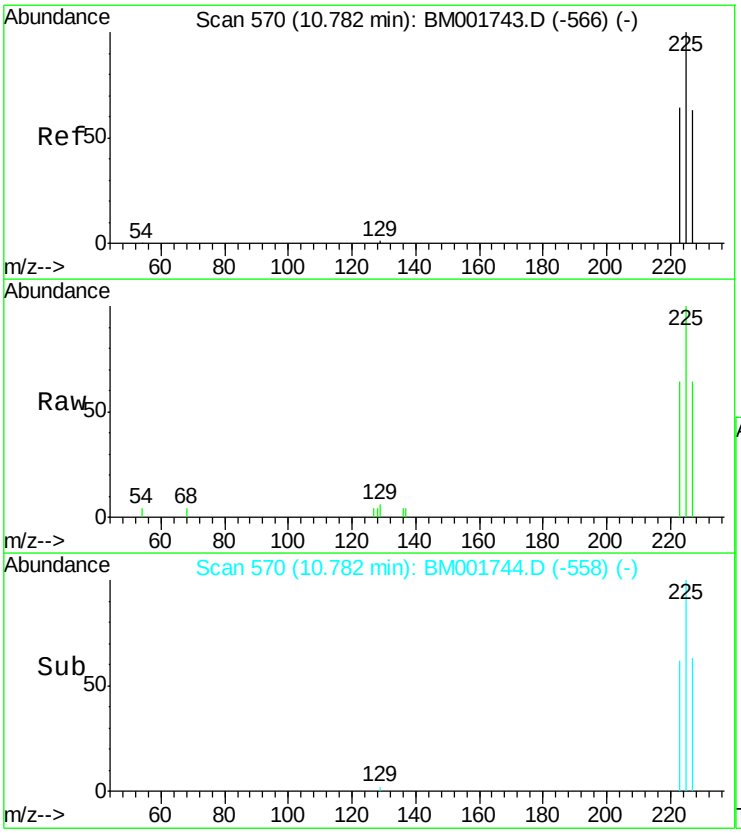
Tgt Ion:128 Resp: 11583

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.9	11.2	16.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

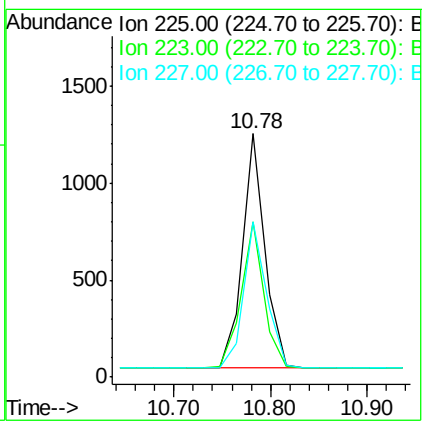
Manual Integrations APPROVED
apatel
6/22/2015 2:45:19 PM

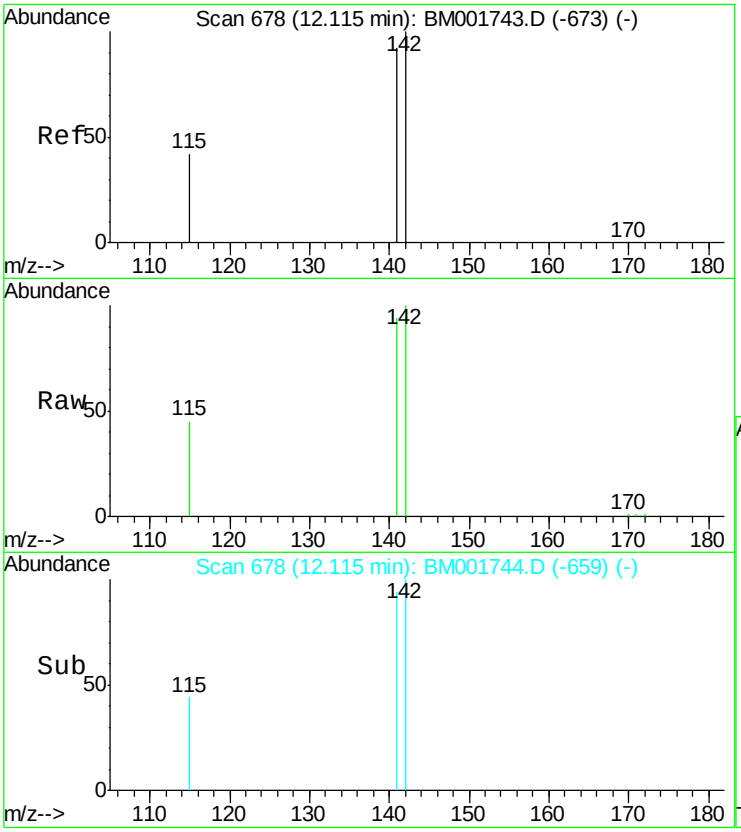


#10
Hexachlorobutadiene
Concen: 0.85 ng
RT: 10.78 min Scan# 570
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

Tgt Ion:225 Resp: 1944

Ion	Ratio	Lower	Upper
225	100		
223	62.1	51.0	76.4
227	63.9	51.8	77.8

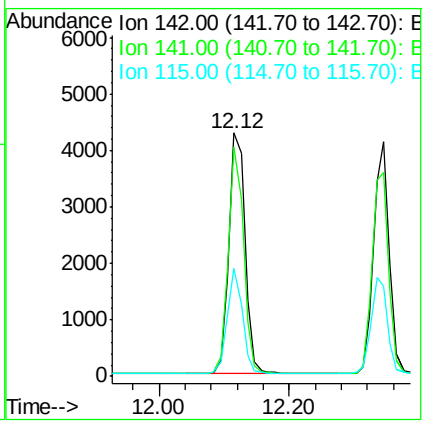




#11
2-Methylnaphthalene
Concen: 0.83 ng
RT: 12.12 min Scan# 678
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

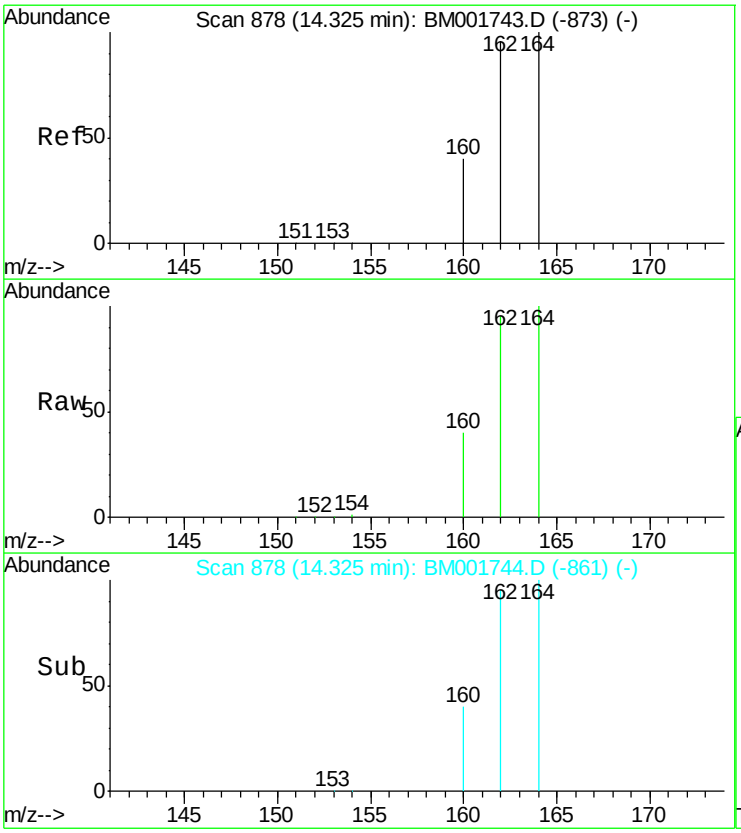
Tgt Ion:142 Resp: 7347

Ion	Ratio	Lower	Upper
142	100		
141	94.2	73.6	110.4
115	44.6	34.1	51.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

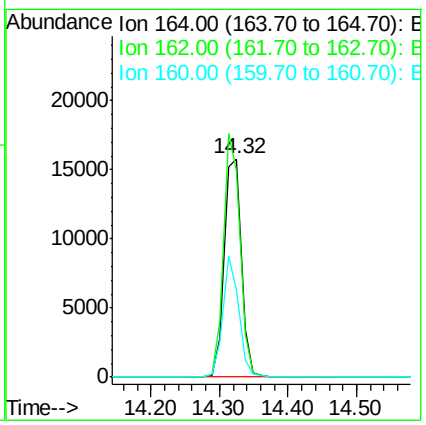
Manual Integrations APPROVED
apatel
6/22/2015 2:45:19 PM

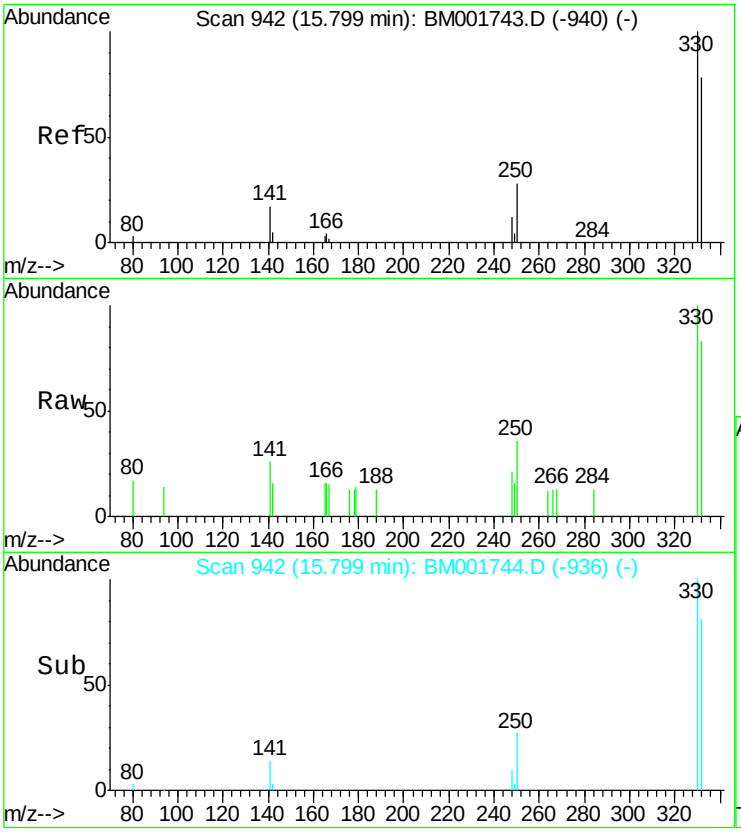


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.32 min Scan# 878
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

Tgt Ion:164 Resp: 27218

Ion	Ratio	Lower	Upper
164	100		
162	95.0	76.6	114.8
160	40.2	31.8	47.8

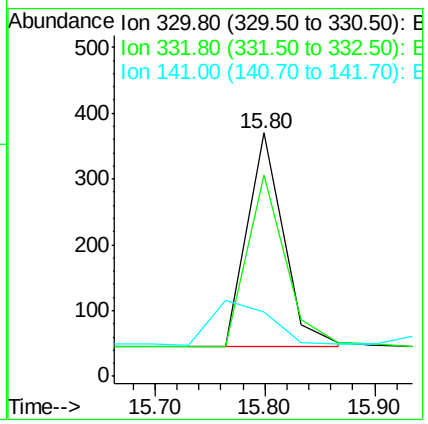




#13
2,4,6-Tribromophenol
Concen: 0.76 ng
RT: 15.80 min Scan# 942
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

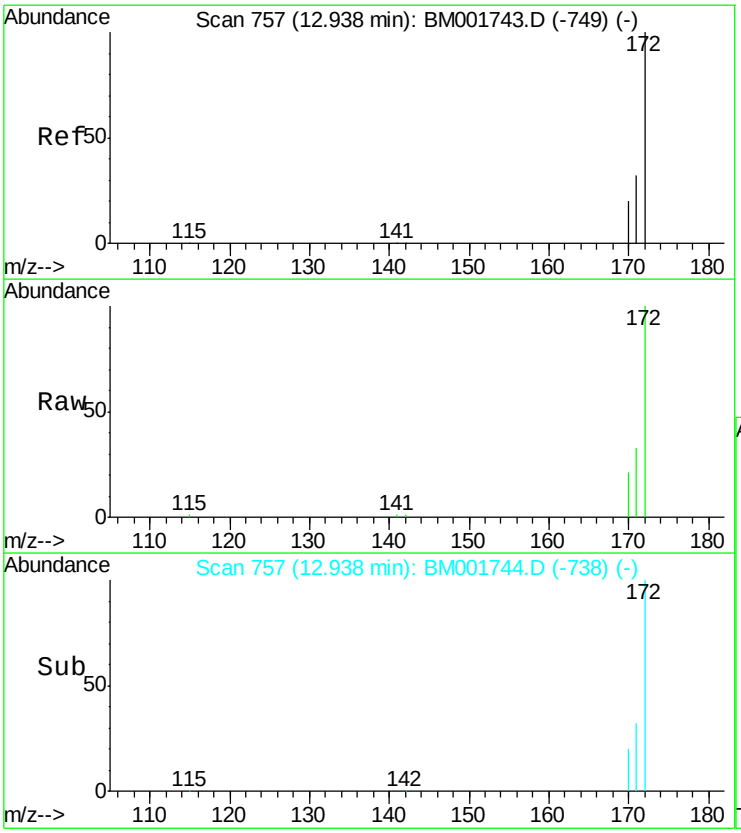
Tgt Ion:330 Resp: 738

Ion	Ratio	Lower	Upper
330	100		
332	84.8	65.8	98.8
141	0.0	0.0	0.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

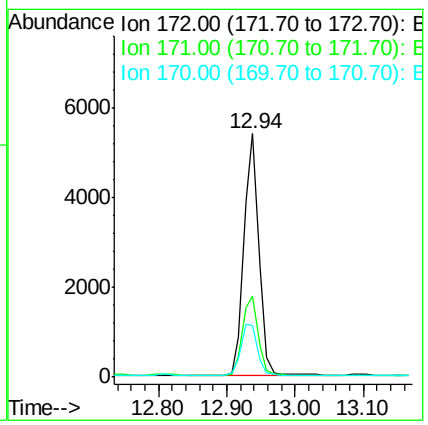
Manual Integrations APPROVED
apatel
6/22/2015 2:45:19 PM

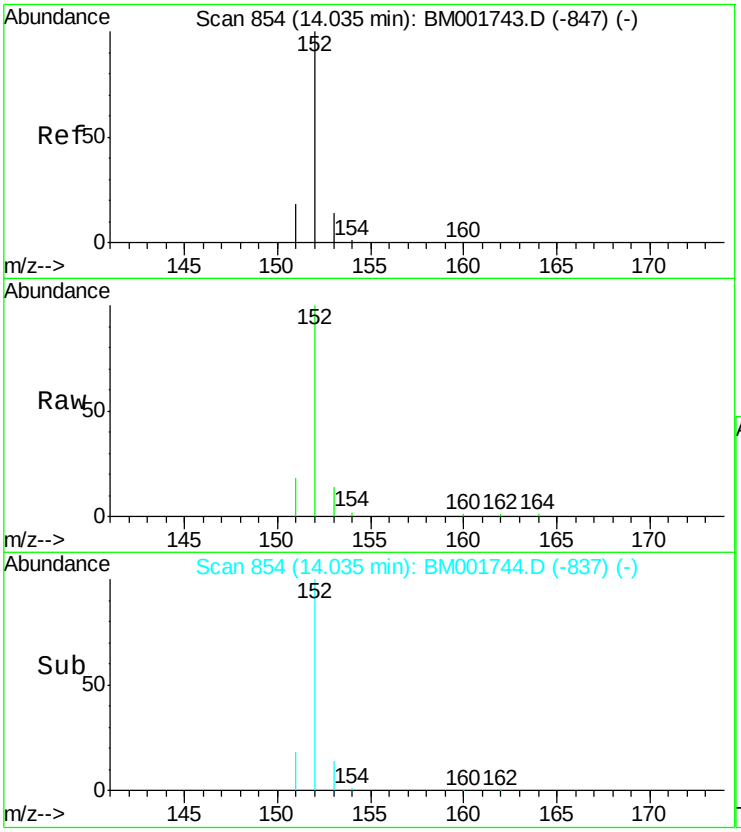


#14
2-Fluorobiphenyl
Concen: 0.85 ng
RT: 12.94 min Scan# 757
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

Tgt Ion:172 Resp: 8141

Ion	Ratio	Lower	Upper
172	100		
171	33.2	26.2	39.2
170	21.0	16.6	24.8

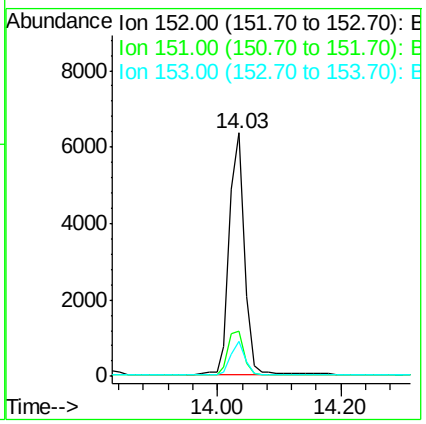




#15
Acenaphthylene
Concen: 0.83 ng
RT: 14.03 min Scan# 854
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

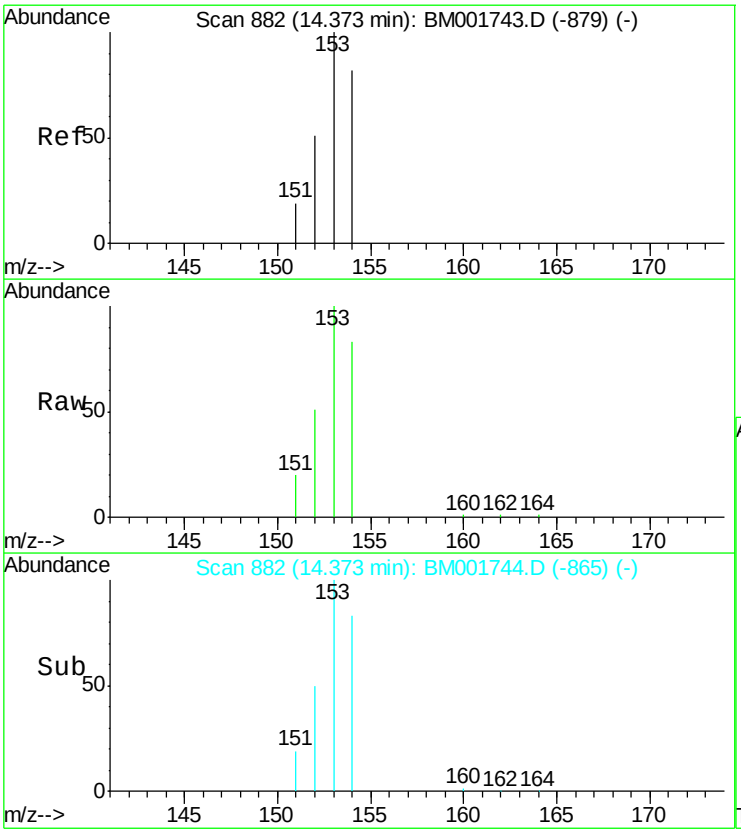
Tgt Ion:152 Resp: 10614

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.4	23.2
153	13.0	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

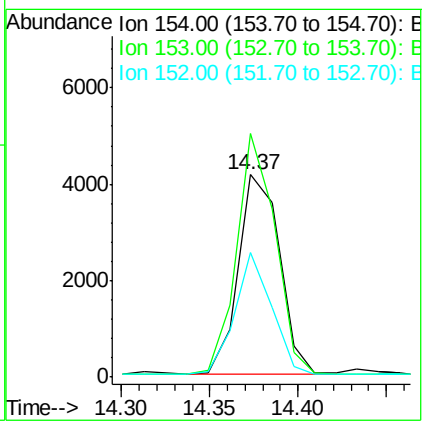
Manual Integrations APPROVED
apatel
6/22/2015 2:45:19 PM

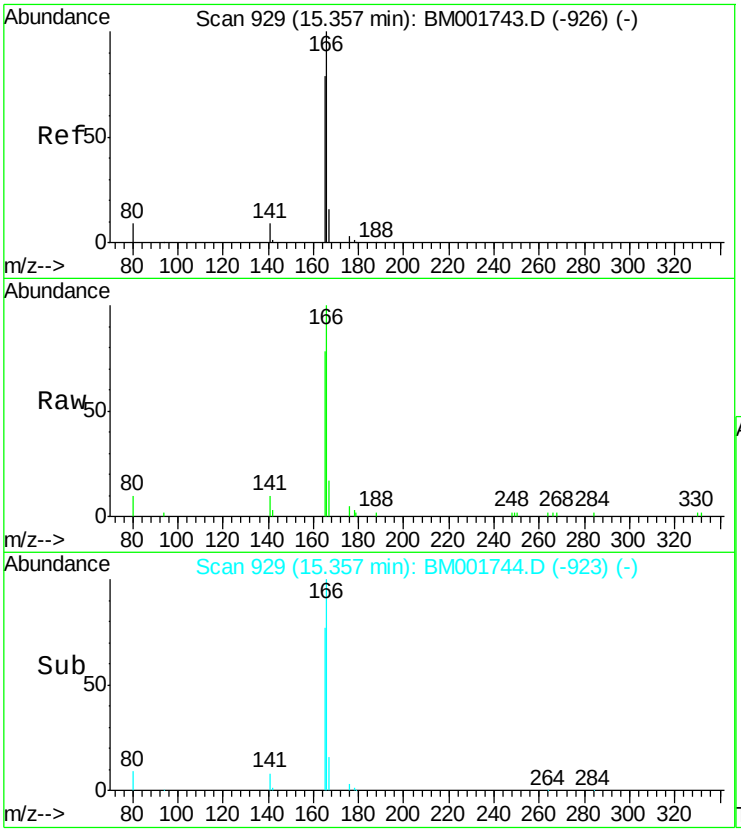


#16
Acenaphthene
Concen: 0.84 ng
RT: 14.37 min Scan# 882
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

Tgt Ion:154 Resp: 6810

Ion	Ratio	Lower	Upper
154	100		
153	111.9	90.0	135.0
152	54.4	44.2	66.4

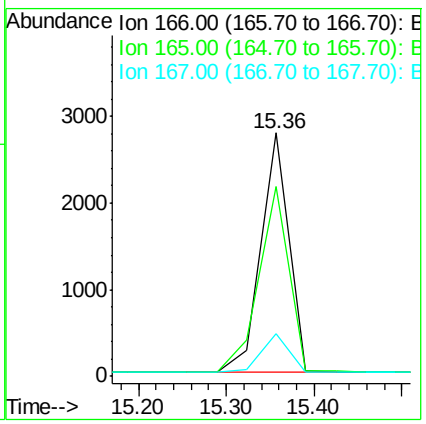




#17
Fluorene
Concen: 0.75 ng
RT: 15.36 min Scan# 929
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

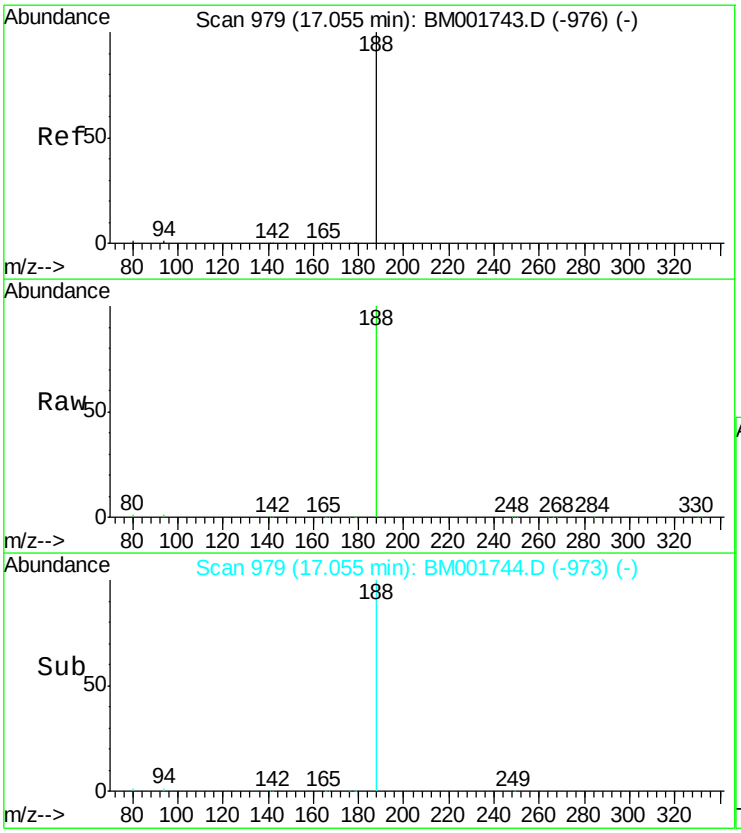
Tgt Ion:166 Resp: 6202

Ion	Ratio	Lower	Upper
166	100		
165	83.0	68.2	102.2
167	15.4	12.2	18.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

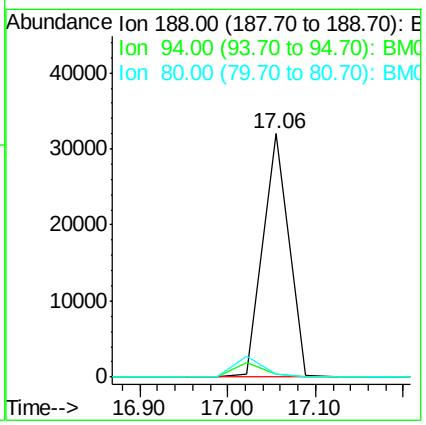
Manual Integrations APPROVED
apatel
6/22/2015 2:45:19 PM

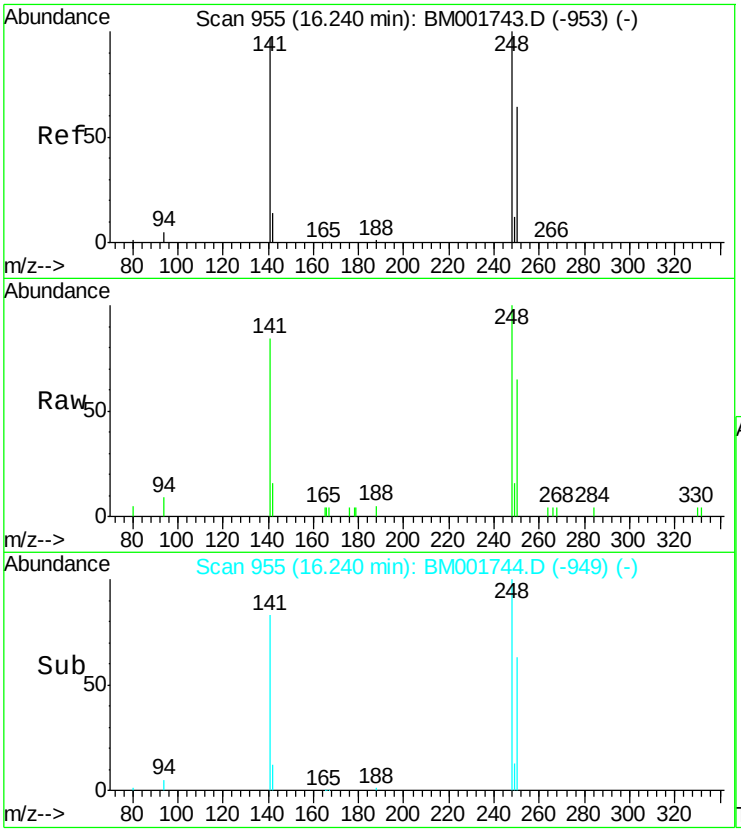


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 979
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

Tgt Ion:188 Resp: 66096

Ion	Ratio	Lower	Upper
188	100		
94	1.3	1.3	1.9
80	1.1	1.0	1.6

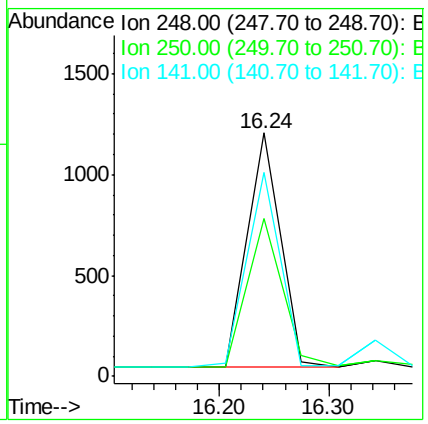




#19
4-Bromophenyl-phenylether
Concen: 0.41 ng
RT: 16.24 min Scan# 955
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

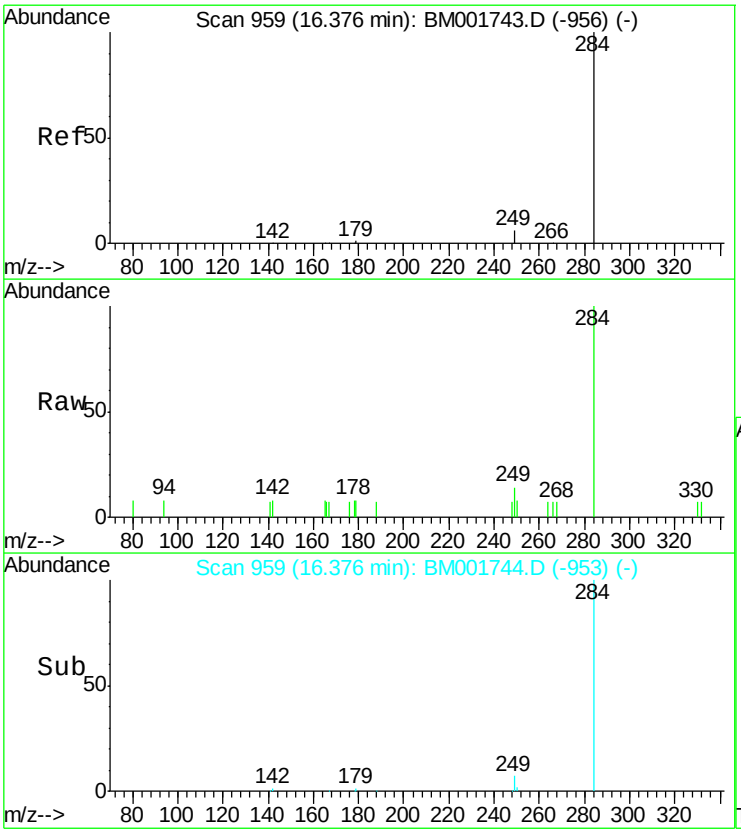
Tgt Ion:248 Resp: 2431

Ion	Ratio	Lower	Upper
248	100		
250	66.8	54.8	82.2
141	82.6	76.2	114.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

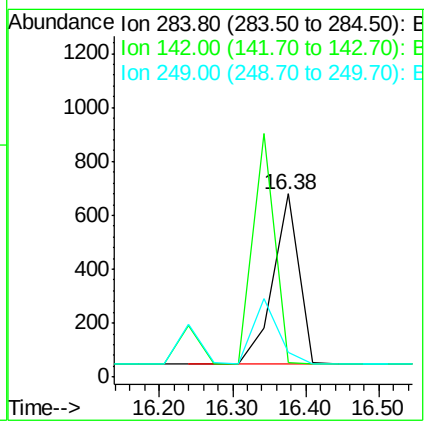
Manual Integrations APPROVED
apatel
6/22/2015 2:45:19 PM

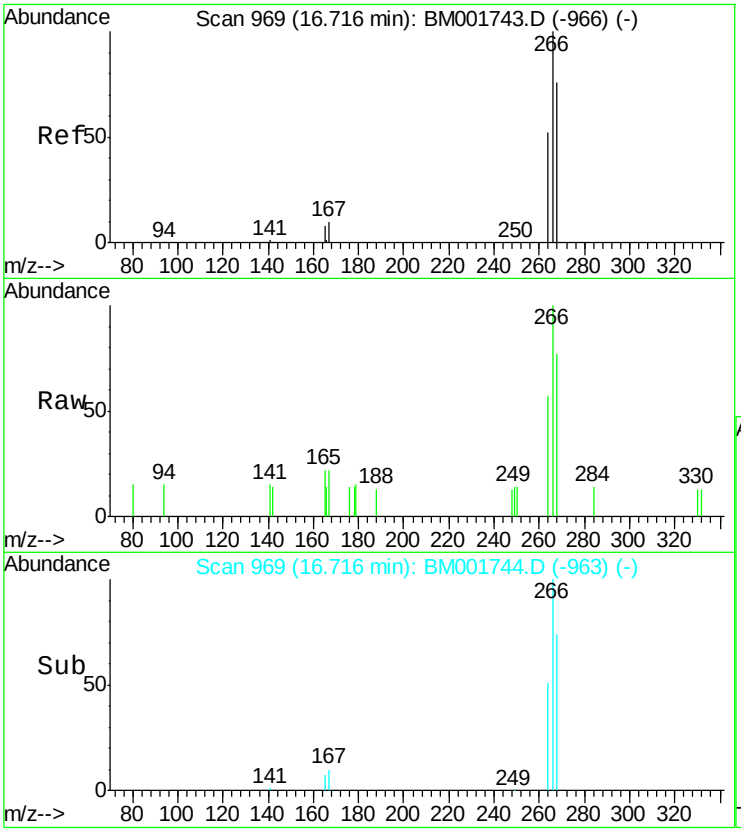


#20
Hexachlorobenzene
Concen: 0.29 ng
RT: 16.38 min Scan# 959
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

Tgt Ion:284 Resp: 1590

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	0.0	0.0	0.0

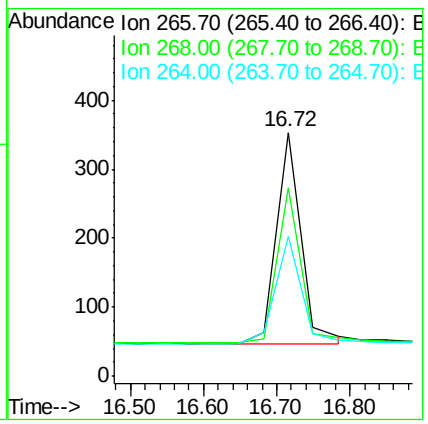




#21
Pentachlorophenol
Concen: 0.47 ng
RT: 16.72 min Scan# 969
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

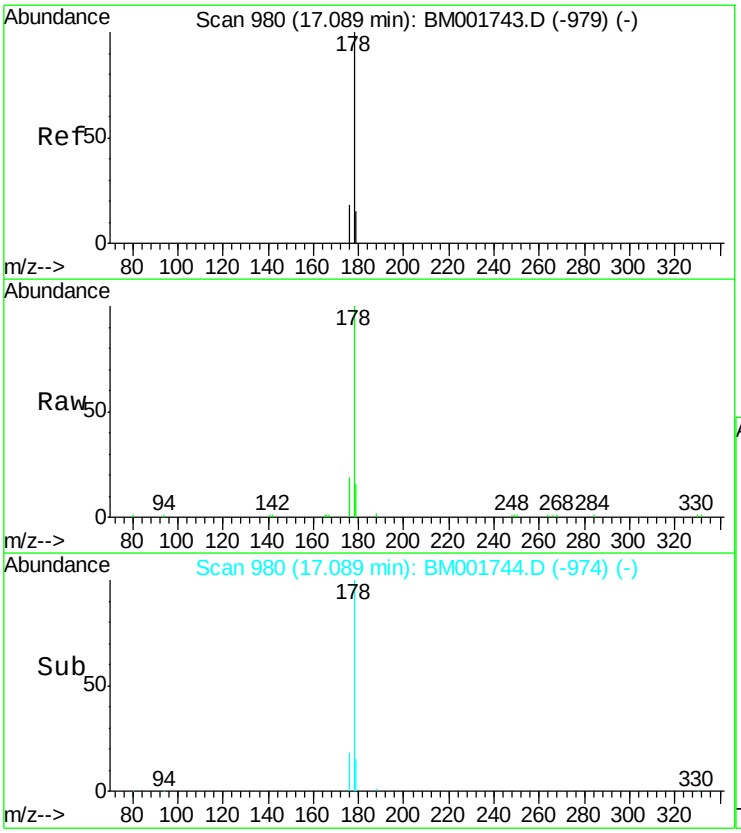
Tgt Ion:266 Resp: 730

Ion	Ratio	Lower	Upper
266	100		
268	77.3	63.2	94.8
264	57.2	46.2	69.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

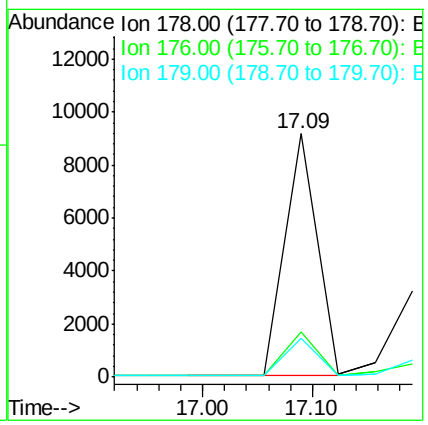
Manual Integrations APPROVED
apatel
6/22/2015 2:45:19 PM

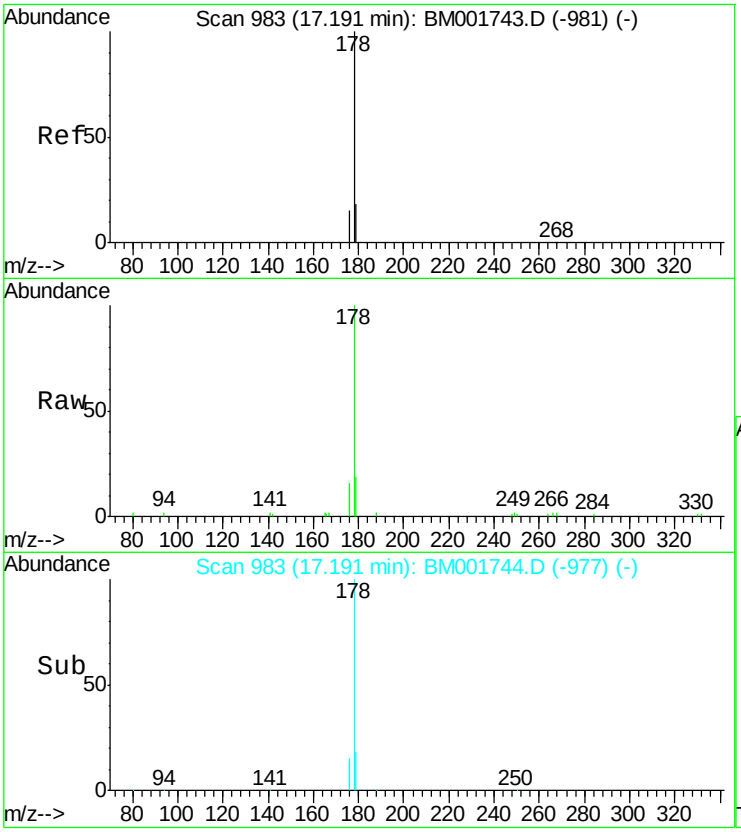


#22
Phenanthrene
Concen: 0.86 ng
RT: 17.09 min Scan# 980
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

Tgt Ion:178 Resp: 18770

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.7	12.6	19.0

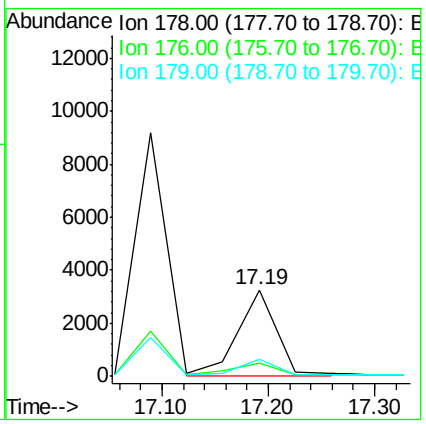




#23
Anthracene
Concen: 0.35 ng m
RT: 17.19 min Scan# 983
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

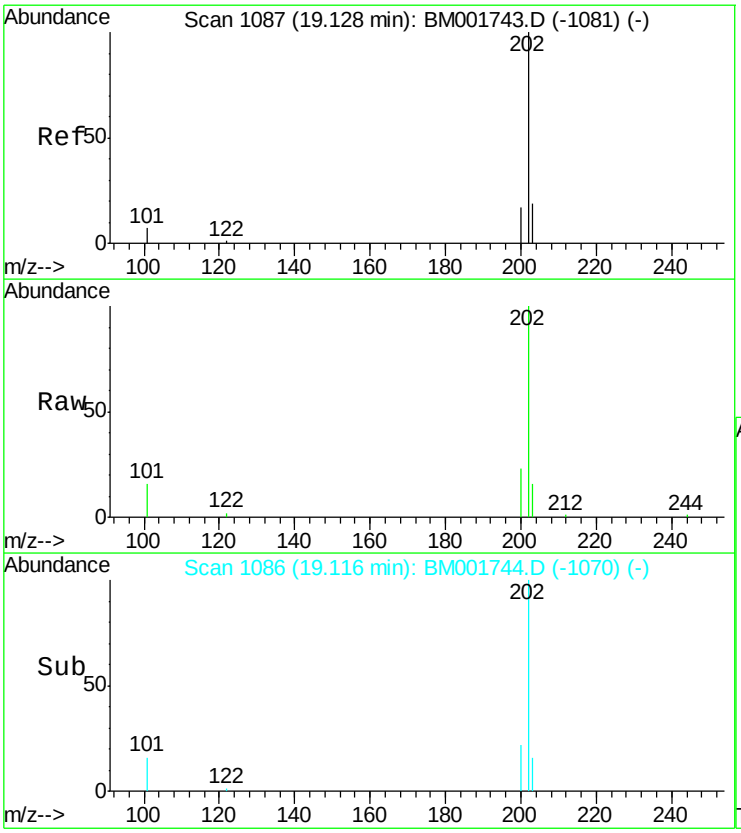
Tgt Ion:178 Resp: 8229

Ion	Ratio	Lower	Upper
178	100		
176	11.6	10.0	15.0
179	14.2	12.3	18.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

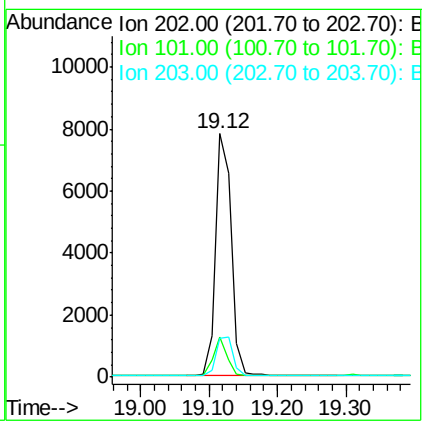
Manual Integrations APPROVED
apatel
6/22/2015 2:45:19 PM

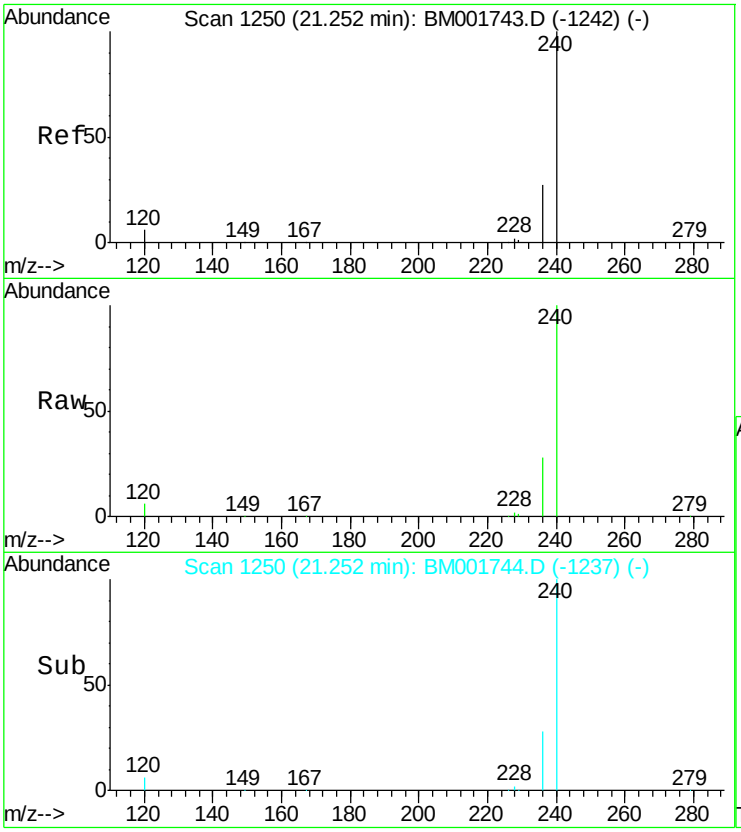


#24
Fluoranthene
Concen: 0.42 ng
RT: 19.12 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

Tgt Ion:202 Resp: 12334

Ion	Ratio	Lower	Upper
202	100		
101	13.6	10.8	16.2
203	17.3	13.8	20.6

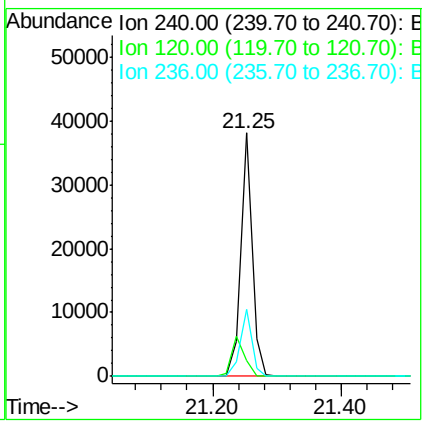




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.25 min Scan# 1250
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

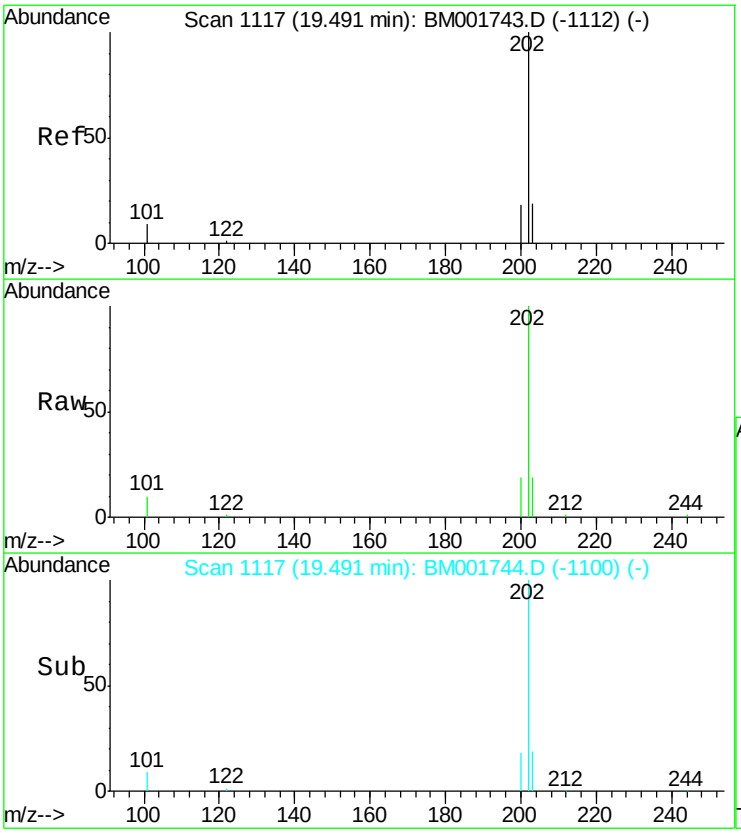
Tgt Ion:240 Resp: 46452

Ion	Ratio	Lower	Upper
240	100		
120	6.4	4.7	7.1
236	27.7	21.6	32.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

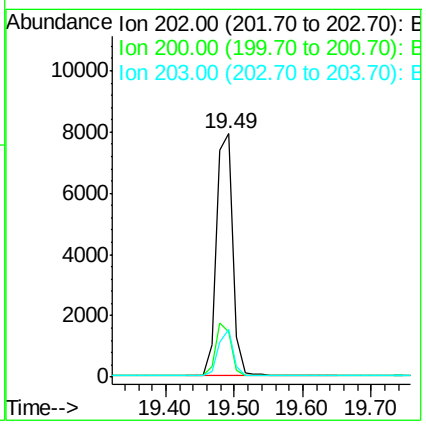
Manual Integrations APPROVED
apatel
6/22/2015 2:45:19 PM

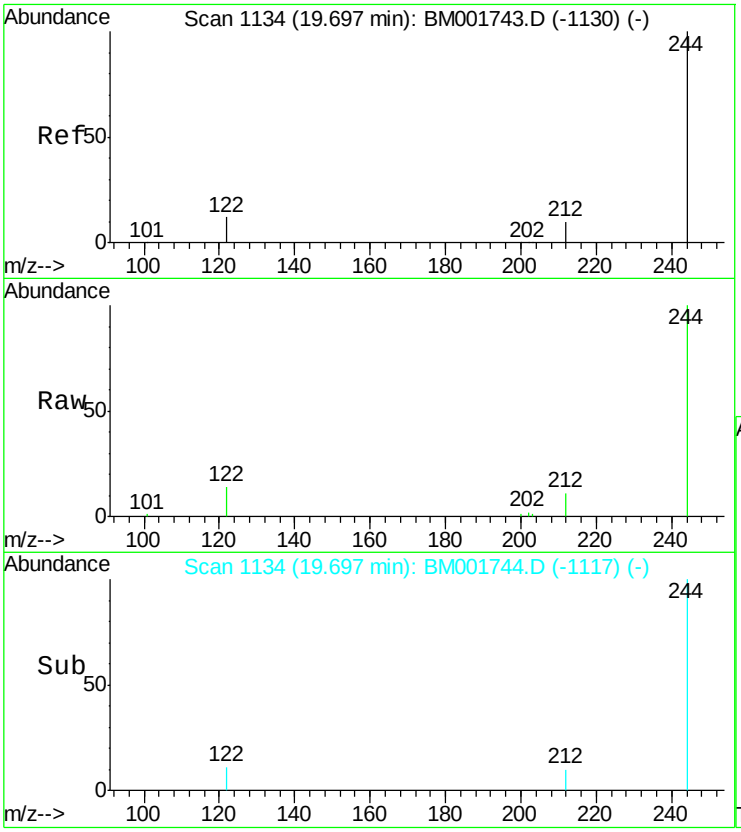


#26
Pyrene
Concen: 0.81 ng
RT: 19.49 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

Tgt Ion:202 Resp: 12925

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	17.4	13.9	20.9

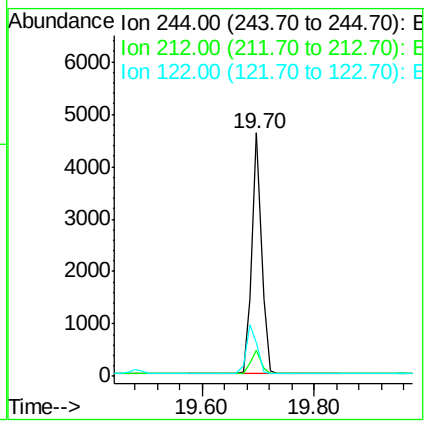




#27
Terphenyl-d14
Concen: 0.79 ng
RT: 19.70 min Scan# 1134
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

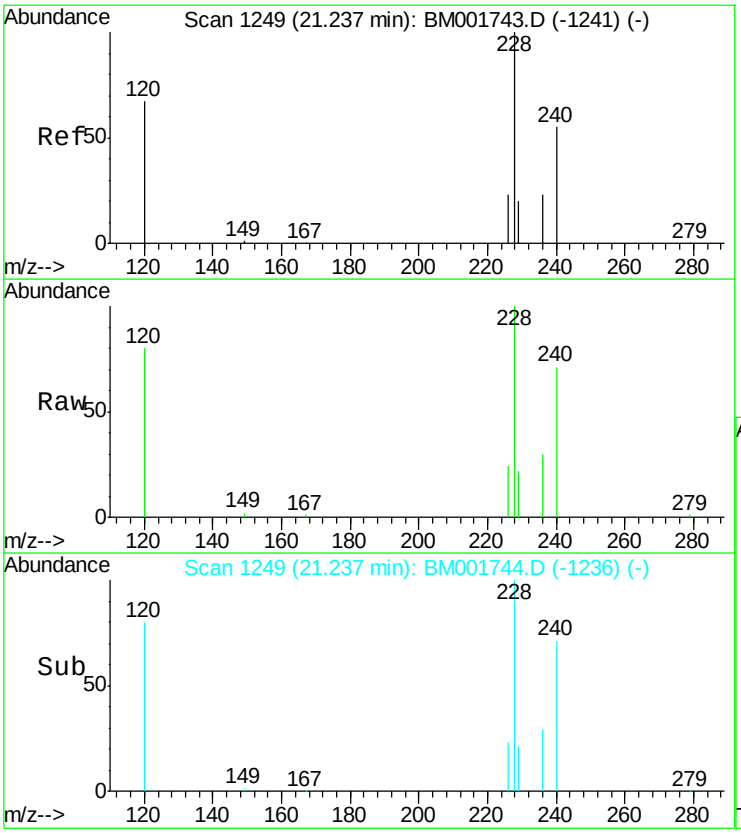
Tgt Ion:244 Resp: 5538

Ion	Ratio	Lower	Upper
244	100		
212	10.8	8.6	13.0
122	13.7	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

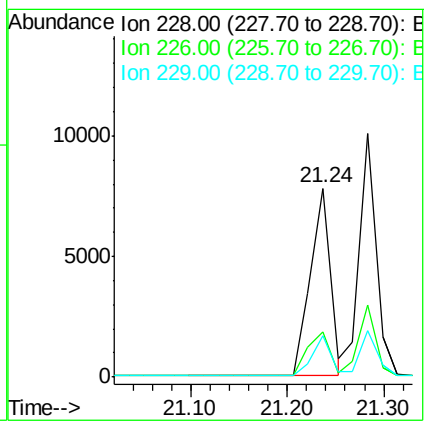
Manual Integrations APPROVED
apatel
6/22/2015 2:45:19 PM

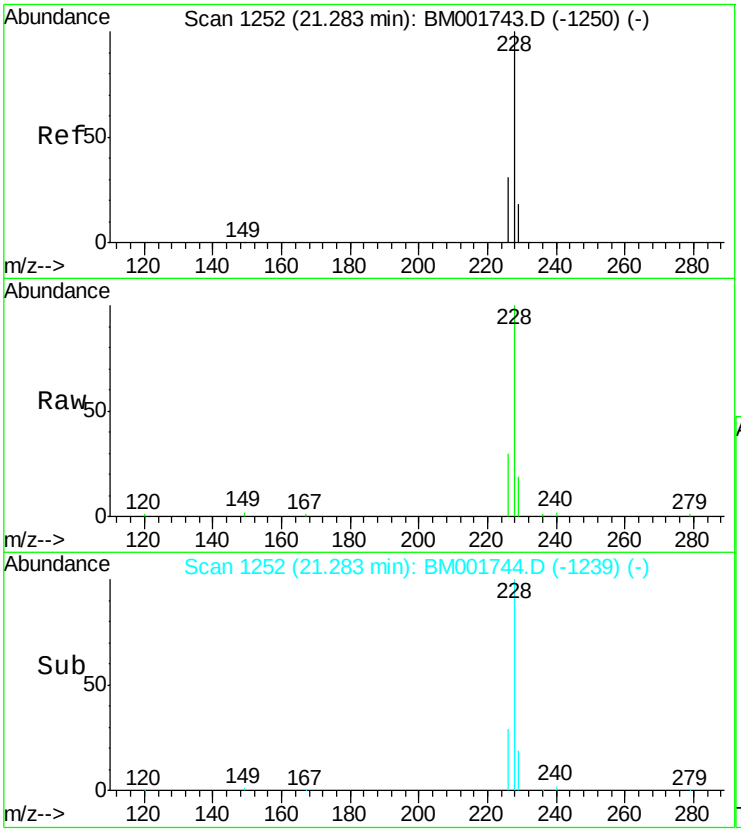


#28
Benzo(a)anthracene
Concen: 0.76 ng
RT: 21.24 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

Tgt Ion:228 Resp: 11101

Ion	Ratio	Lower	Upper
228	100		
226	23.9	18.9	28.3
229	21.8	16.6	25.0

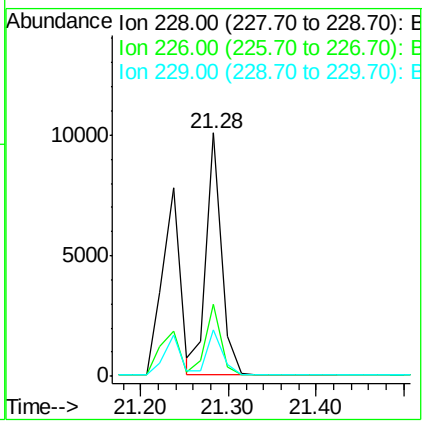




#29
Chrysene
Concen: 0.87 ng
RT: 21.28 min Scan# 1252
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

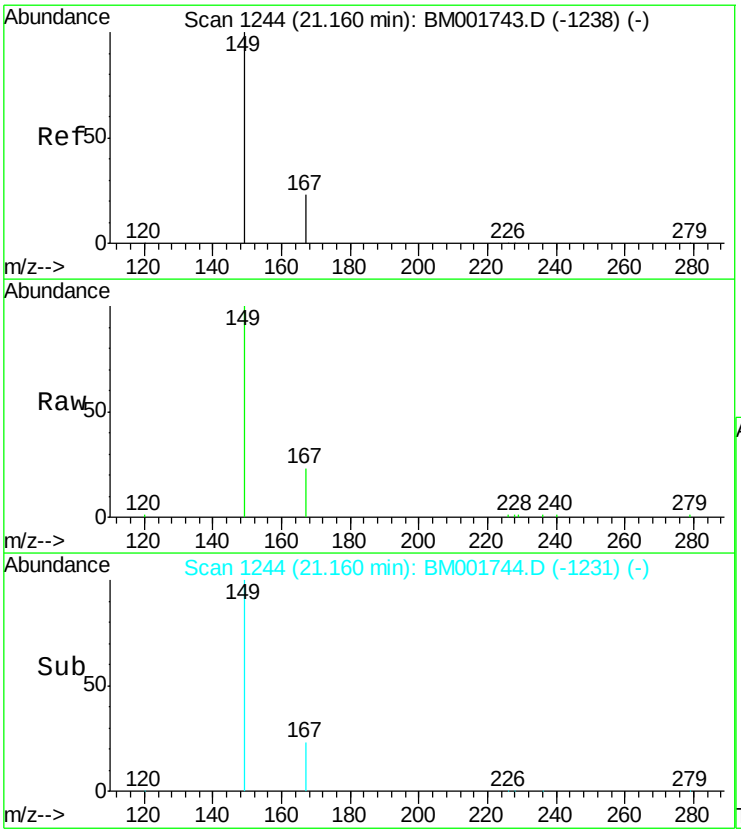
Tgt Ion:228 Resp: 12265

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.3	36.5
229	19.1	15.0	22.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

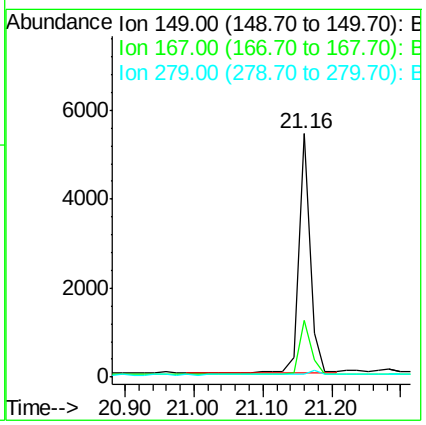
Manual Integrations APPROVED
apatel
6/22/2015 2:45:19 PM

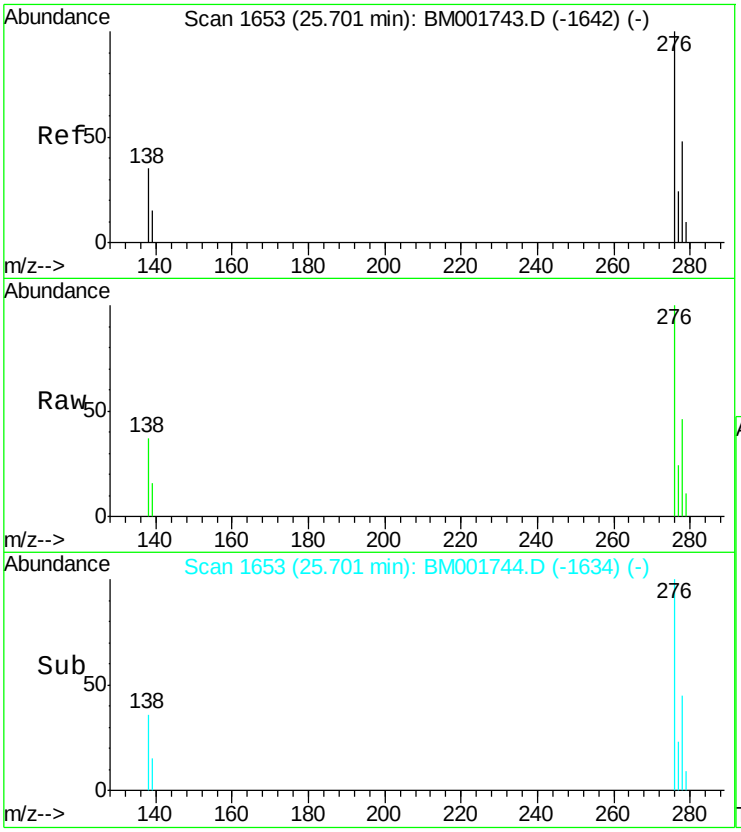


#30
Bis(2-ethylhexyl)phthalate
Concen: 0.69 ng
RT: 21.16 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

Tgt Ion:149 Resp: 6228

Ion	Ratio	Lower	Upper
149	100		
167	24.3	19.7	29.5
279	2.0	1.6	2.4

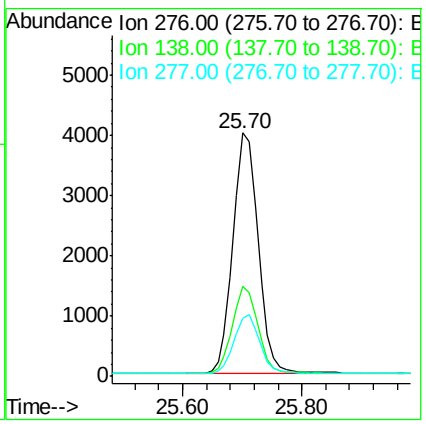




#31
Indeno(1,2,3-cd)pyrene
Concen: 1.02 ng
RT: 25.70 min Scan# 1653
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

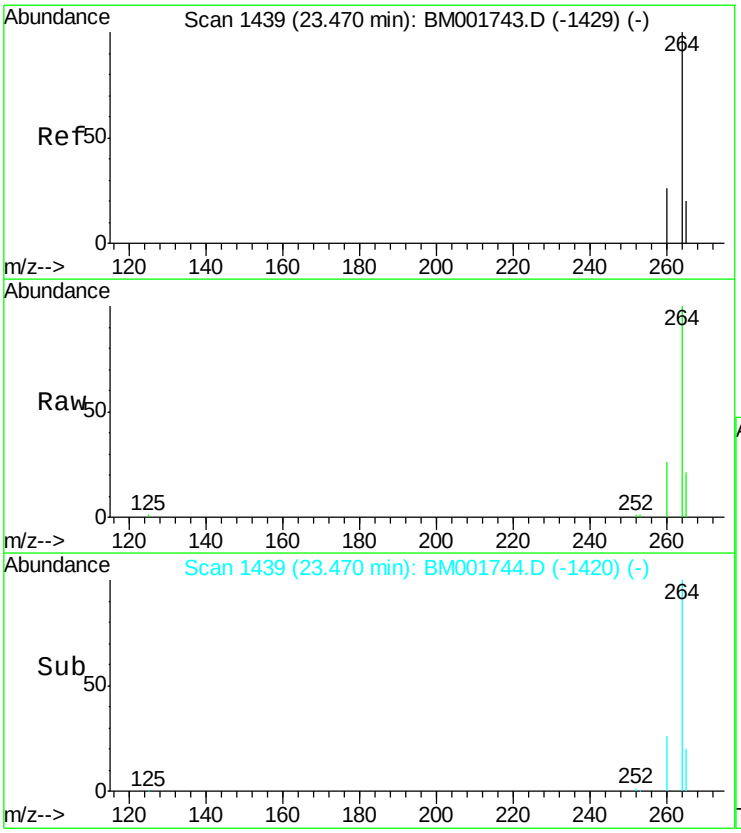
Tgt Ion:276 Resp: 11723

Ion	Ratio	Lower	Upper
276	100		
138	36.3	29.0	43.6
277	24.7	19.7	29.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

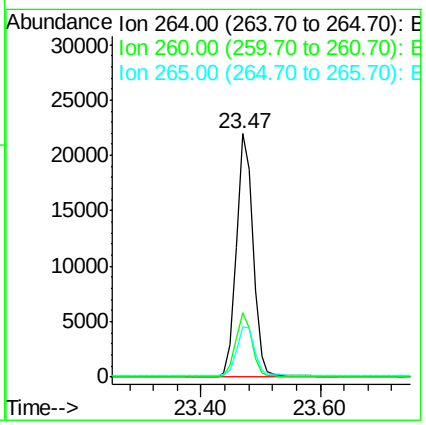
Manual Integrations APPROVED
apatel
6/22/2015 2:45:19 PM

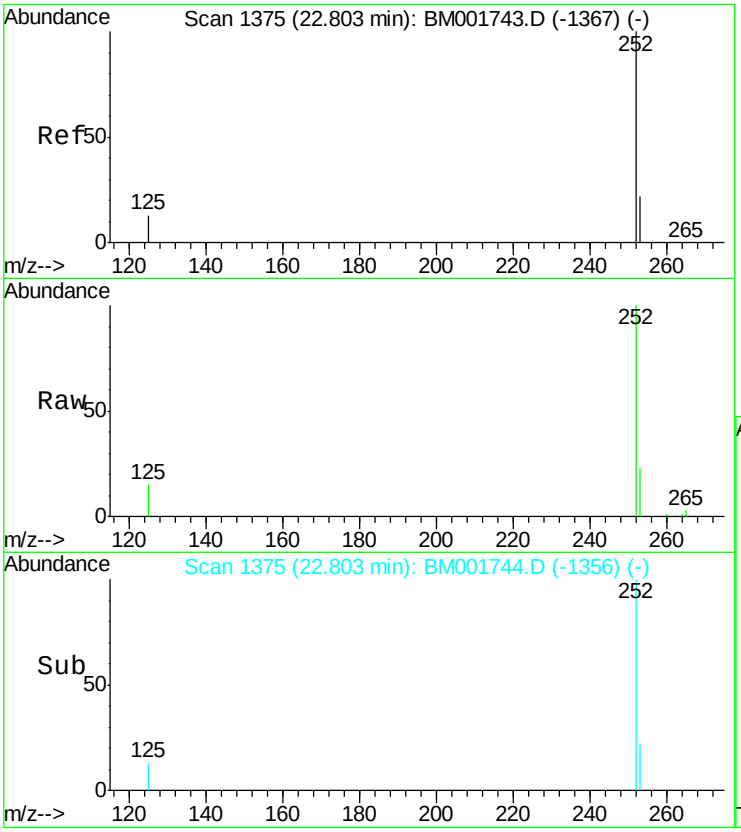


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.47 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

Tgt Ion:264 Resp: 41595

Ion	Ratio	Lower	Upper
264	100		
260	26.3	20.8	31.2
265	20.7	16.8	25.2

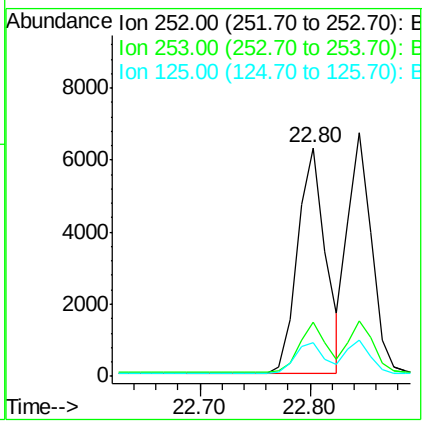




#33
Benzo(b)fluoranthene
Concen: 0.81 ng
RT: 22.80 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

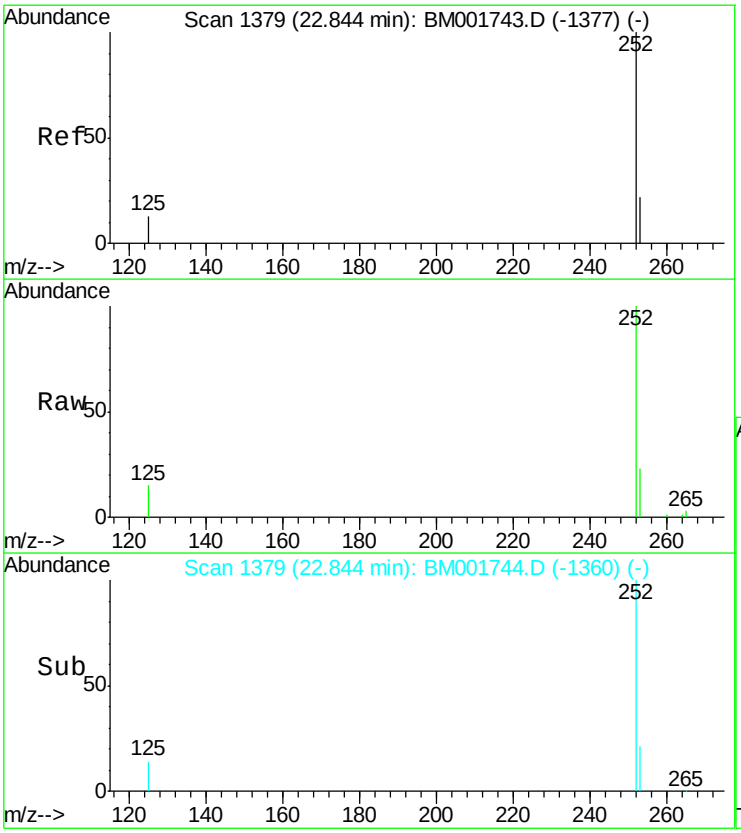
Tgt Ion:252 Resp: 11129

Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.0	28.4
125	14.6	11.3	16.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

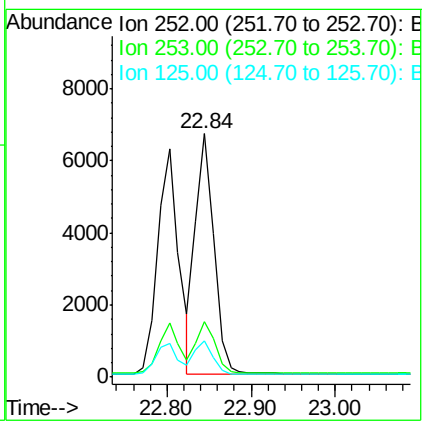
Manual Integrations APPROVED
apatel
6/22/2015 2:45:19 PM

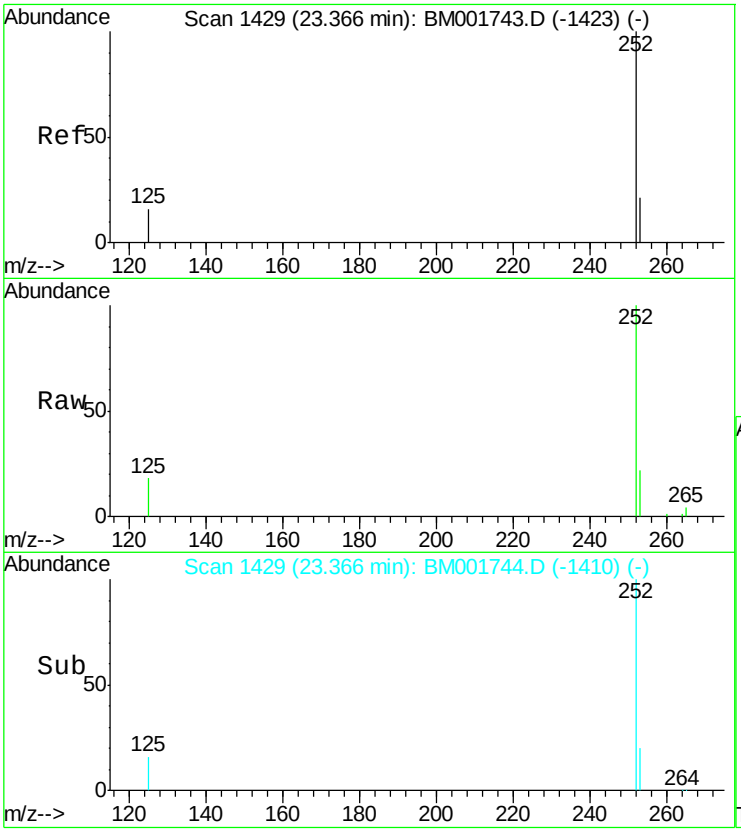


#34
Benzo(k)fluoranthene
Concen: 0.78 ng
RT: 22.84 min Scan# 1379
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

Tgt Ion:252 Resp: 10144

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	14.7	11.8	17.6

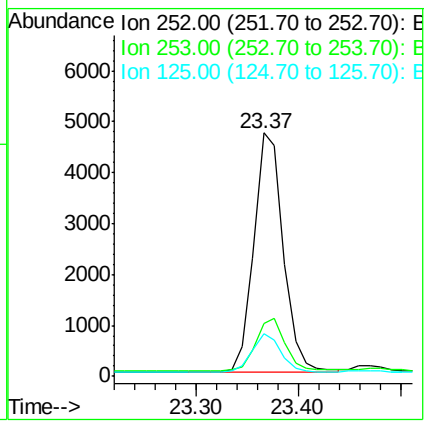




#35
Benzo(a)pyrene
Concen: 0.83 ng
RT: 23.37 min Scan# 1429
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

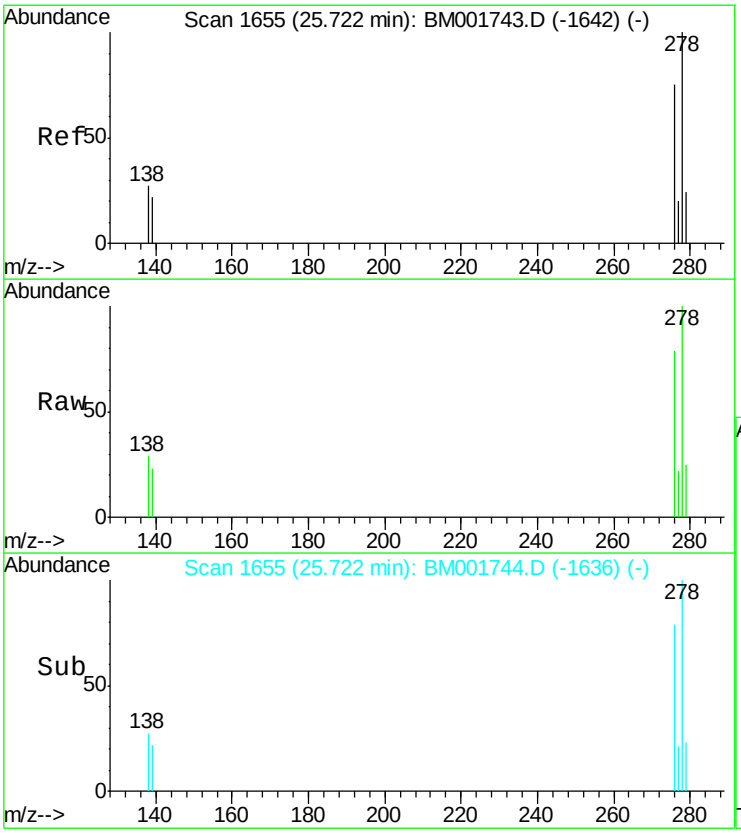
Tgt Ion:252 Resp: 9452

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	17.8	14.1	21.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

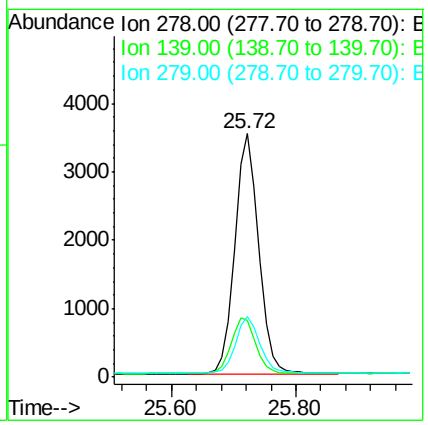
Manual Integrations APPROVED
apatel
6/22/2015 2:45:19 PM

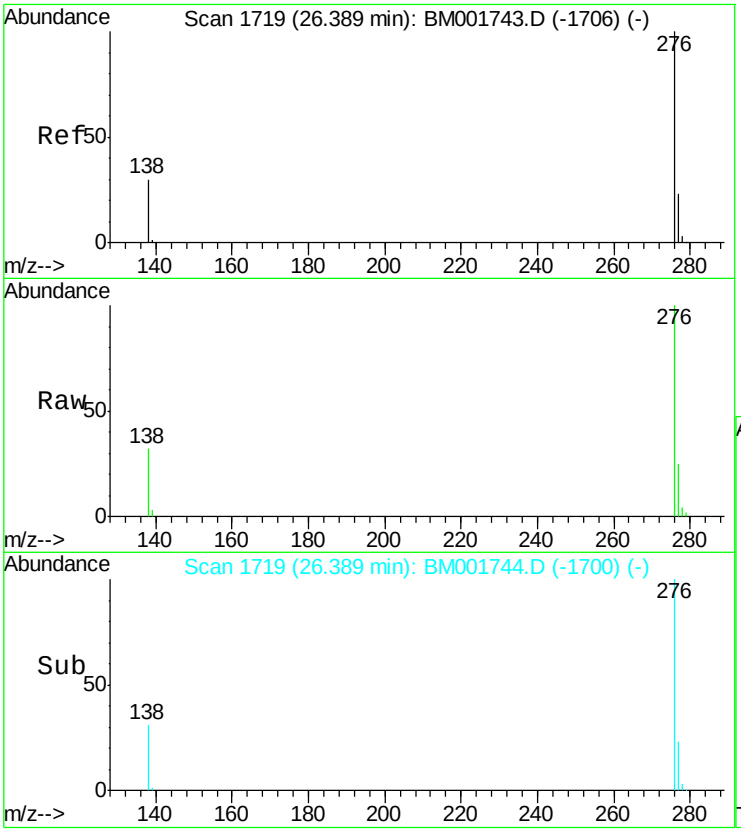


#36
Dibenzo(a,h)anthracene
Concen: 0.96 ng
RT: 25.72 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

Tgt Ion:278 Resp: 9447

Ion	Ratio	Lower	Upper
278	100		
139	23.2	18.4	27.6
279	24.8	19.8	29.8

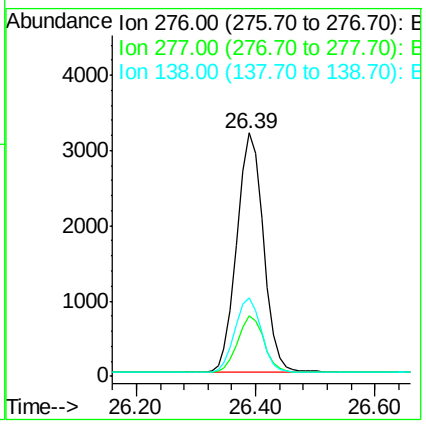




#37
Benzo(g,h,i)perylene
Concen: 0.94 ng
RT: 26.39 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001744.D
Acq: 18 Jun 2015 19:36

Tgt Ion:276 Resp: 9910

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.3	28.9
138	32.4	24.7	37.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
apatel
6/22/2015 2:45:19 PM