Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060615\
Data File : BM001579.D
Acq On : 06 Jun 2015 05:42
Operator : TP/IZ
Sample : SSTDCCC001
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 08 05:43:25 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM060615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 08 05:27:25 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
apatel
6/8/2015 2:47:57 PM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	27669	5.00	ng		0.00
6) Naphthalene-d8	10.47	136	99447	5.00	ng		0.00
12) Acenaphthene-d10	14.35	164	49938	5.00	ng		0.00
18) Phenanthrene-d10	17.09	188	72009	5.00	ng		0.00
25) Chrysene-d12	21.28	240	81357	5.00	ng		0.00
32) Perylene-d12	23.51	264	65956	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.27	112	5819	0.95	ng		0.00
5) Phenol-d6	6.84	99	7207	0.96	ng		0.00
7) Nitrobenzene-d5	8.85	82	6384	0.94	ng		0.00
13) 2,4,6-Tribromophenol	15.83	330	2067	0.92	ng		0.00
14) 2-Fluorobiphenyl	12.96	172	14552	0.95	ng		0.00
27) Terphenyl-d14	19.72	244	10388	0.99	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.21	88	2606	0.92	ng		99
3) n-Nitrosodimethylamine	3.51	42	4107	0.97	ng	#	98
8) Nitrobenzene	8.89	77	6891	0.95	ng		99
9) Naphthalene	10.52	128	21141	0.98	ng		99
10) Hexachlorobutadiene	10.82	225	3653	0.98	ng		100
11) 2-Methylnaphthalene	12.15	142	13160	0.98	ng		95
15) Acenaphthylene	14.06	152	20470	0.95	ng		100
16) Acenaphthene	14.41	154	12923	0.95	ng		100
17) Fluorene	15.36	166	8441	0.97	ng	#	65
19) 4-Bromophenyl-phenylether	16.27	248	6051	1.12	ng	#	91
20) Hexachlorobenzene	16.38	284	3151m	1.38	ng		
21) Pentachlorophenol	16.72	266	1043	0.94	ng	#	63
22) Phenanthrene	17.12	178	24731	0.98	ng		99
23) Anthracene	17.19	178	12658m	1.20	ng		
24) Fluoranthene	19.15	202	24003	1.23	ng		100
26) Pyrene	19.52	202	25557	0.98	ng		100
28) Benzo(a)anthracene	21.25	228	21651	0.94	ng		98
29) Chrysene	21.31	228	21011	0.96	ng		99
30) Bis(2-ethylhexyl)phthalate	21.19	149	13078	0.95	ng		100
31) Indeno(1,2,3-cd)pyrene	25.76	276	18270	0.78	ng		100
33) Benzo(b)fluoranthene	22.83	252	18323	0.93	ng		100
34) Benzo(k)fluoranthene	22.88	252	17968	1.00	ng		96
35) Benzo(a)pyrene	23.41	252	15959	0.93	ng		96
36) Dibenzo(a,h)anthracene	25.78	278	14286	0.85	ng		97
37) Benzo(g,h,i)perylene	26.46	276	15019	0.85	ng		99

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

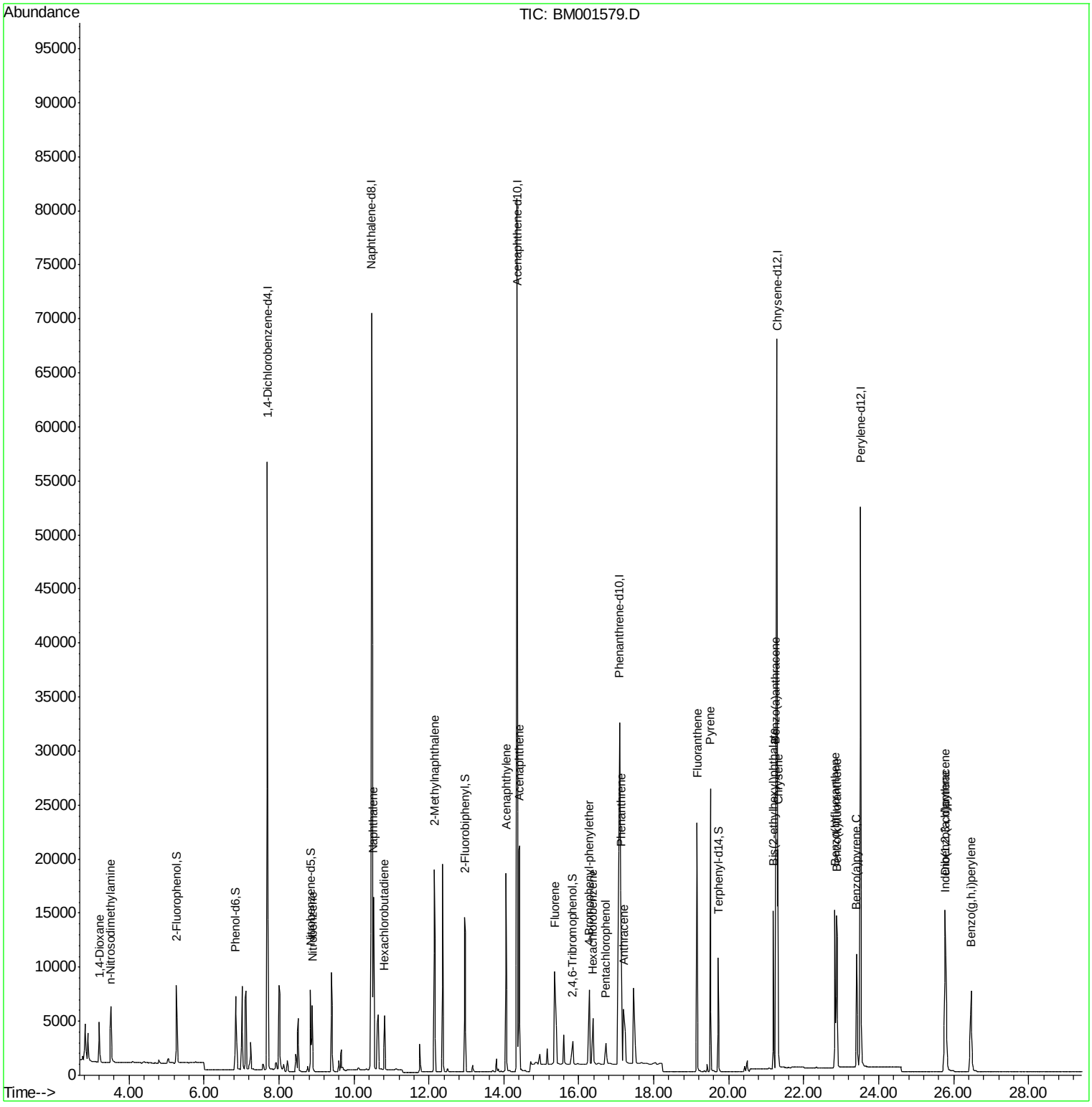
Quantitation Report (QT Reviewed)

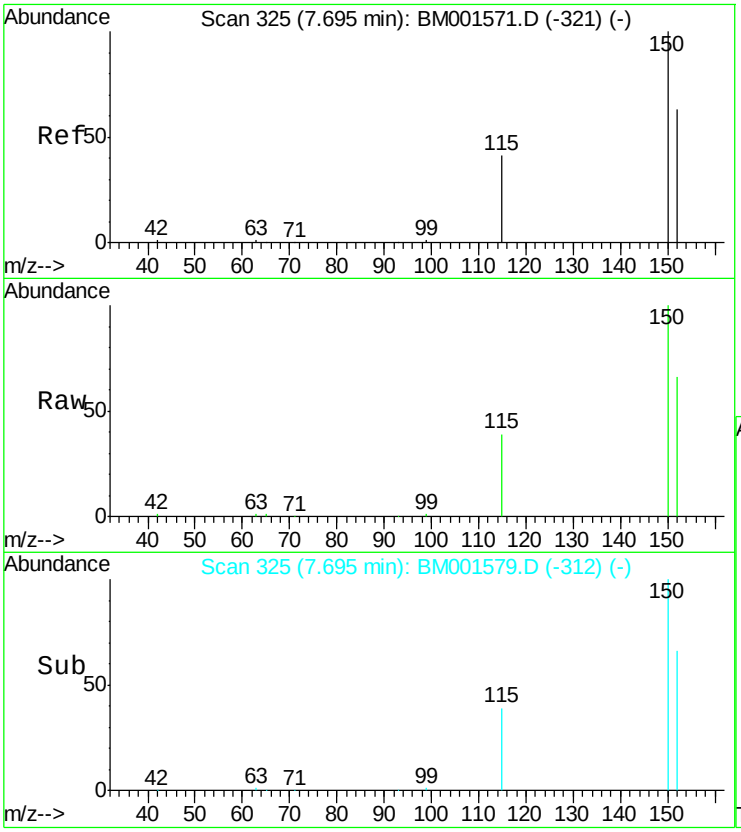
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060615\
Data File : BM001579.D
Acq On : 06 Jun 2015 05:42
Operator : TP/IZ
Sample : SSTDCCC001
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 08 05:43:25 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM060615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 08 05:27:25 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
apatel
6/8/2015 2:47:57 PM

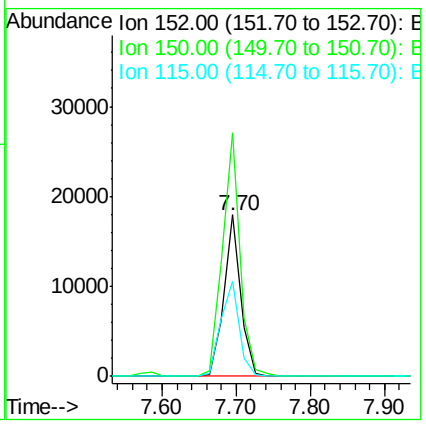




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.70 min Scan# 325
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

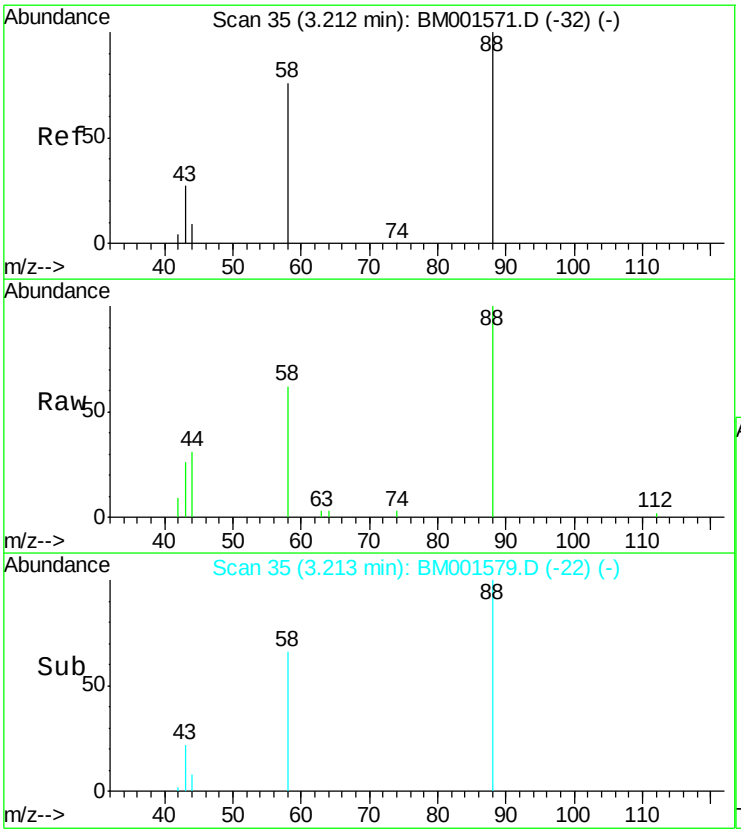
Tgt Ion:152 Resp: 27669

Ion	Ratio	Lower	Upper
152	100		
150	151.1	126.6	190.0
115	59.3	51.6	77.4



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

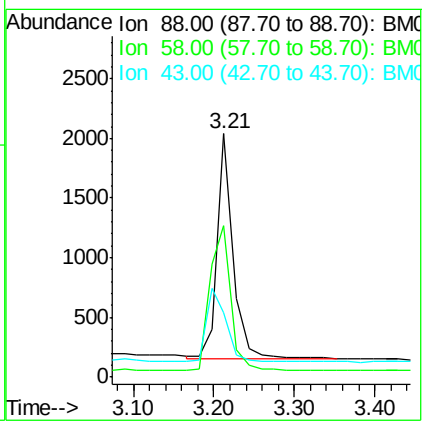
Manual Integrations APPROVED
apatel
6/8/2015 2:47:57 PM

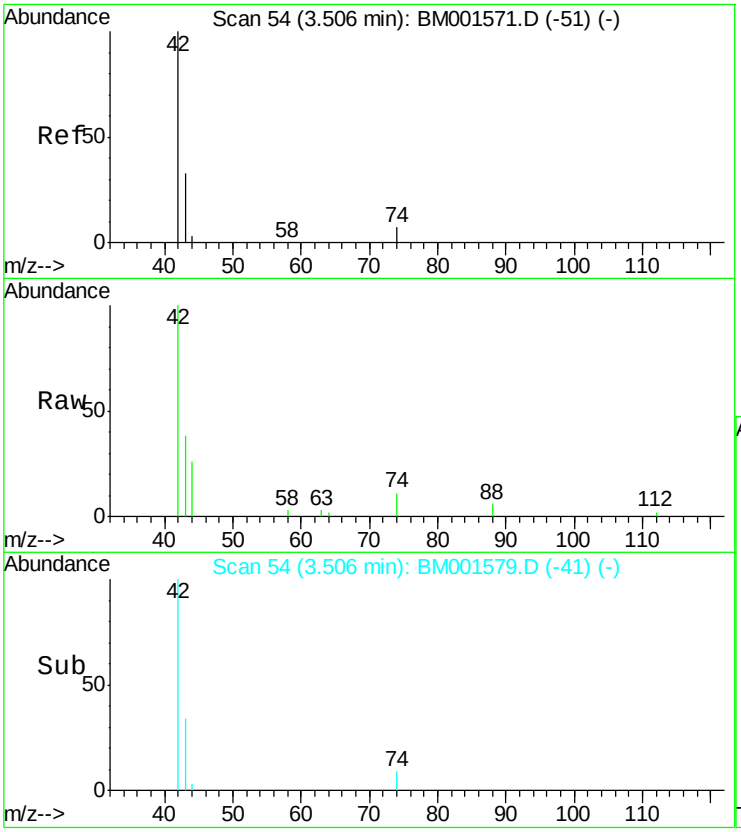


#2
1,4-Dioxane
Concen: 0.92 ng
RT: 3.21 min Scan# 35
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

Tgt Ion: 88 Resp: 2606

Ion	Ratio	Lower	Upper
88	100		
58	83.7	66.1	99.1
43	40.4	32.3	48.5

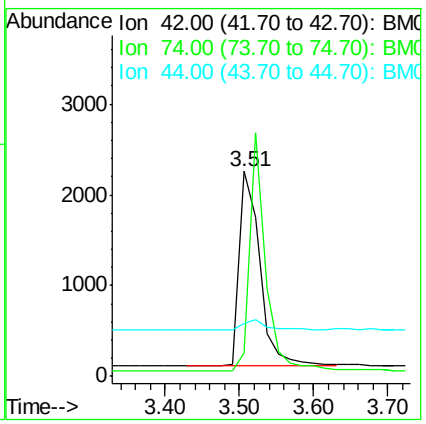




#3
n-Nitrosodimethylamine
Concen: 0.97 ng
RT: 3.51 min Scan# 54
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

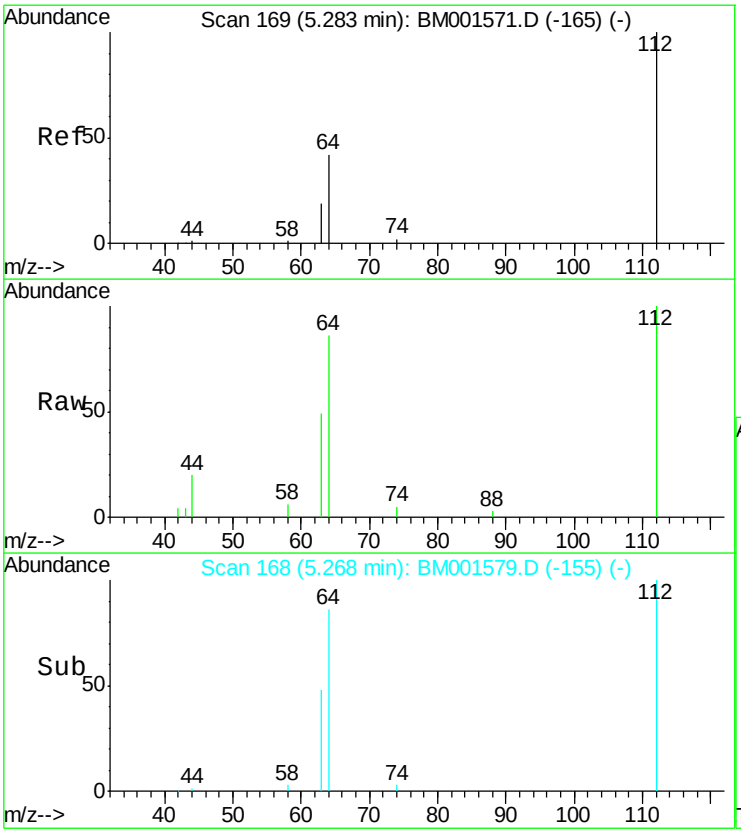
Tgt Ion: 42 Resp: 4107

Ion	Ratio	Lower	Upper
42	100		
74	95.3	77.2	115.8
44	7.1	7.4	11.2#



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

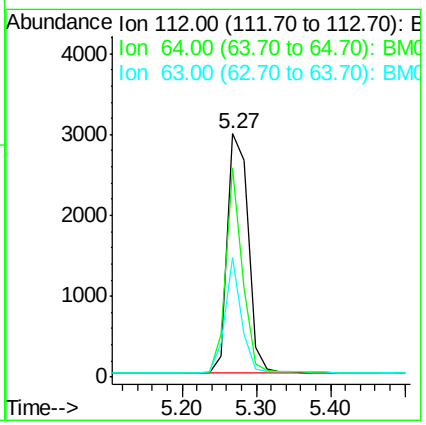
Manual Integrations APPROVED
apatel
6/8/2015 2:47:57 PM

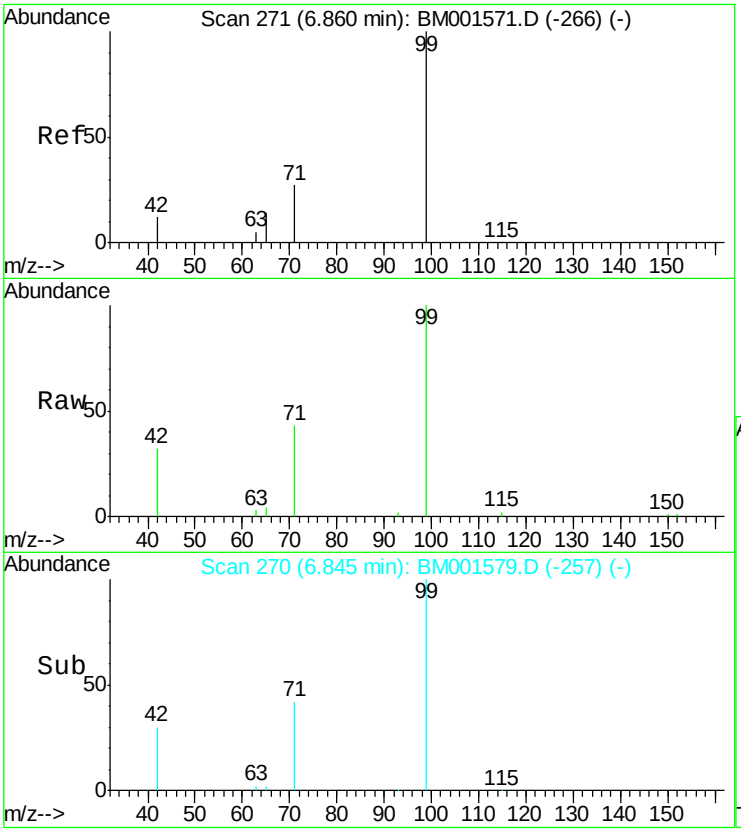


#4
2-Fluorophenol
Concen: 0.95 ng
RT: 5.27 min Scan# 168
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

Tgt Ion:112 Resp: 5819

Ion	Ratio	Lower	Upper
112	100		
64	67.7	53.3	79.9
63	37.6	29.7	44.5

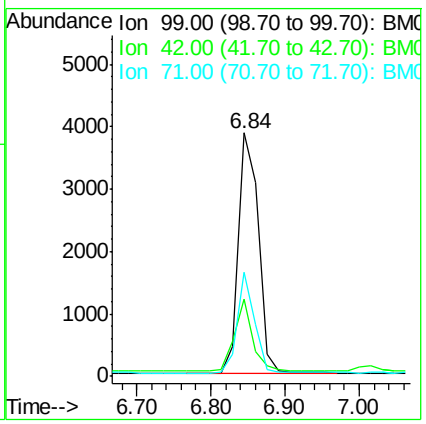




#5
Phenol-d6
Concen: 0.96 ng
RT: 6.84 min Scan# 270
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

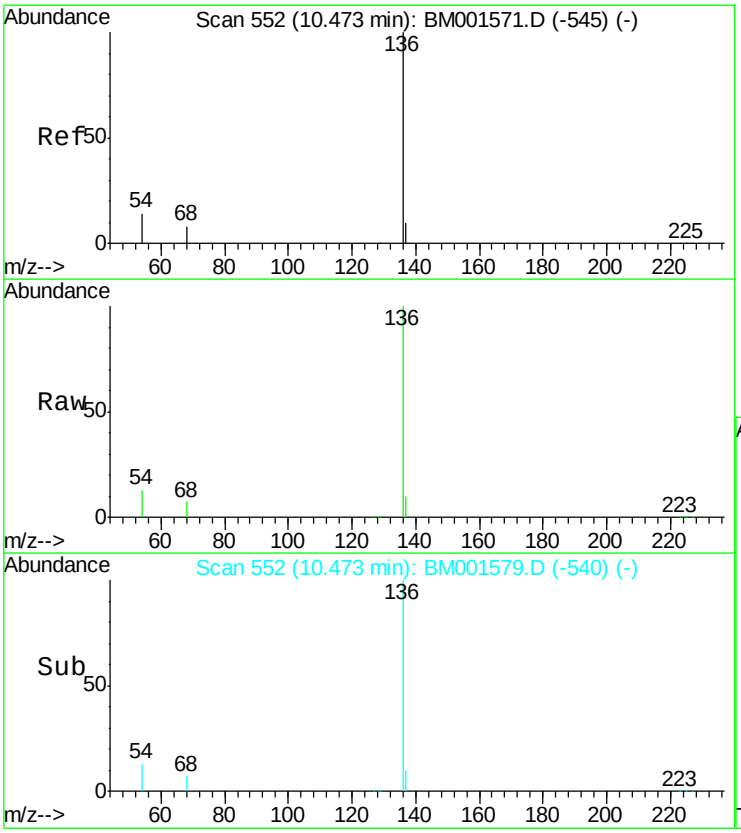
Tgt Ion: 99 Resp: 7207

Ion	Ratio	Lower	Upper
99	100		
42	26.9	21.4	32.2
71	36.3	29.0	43.4



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

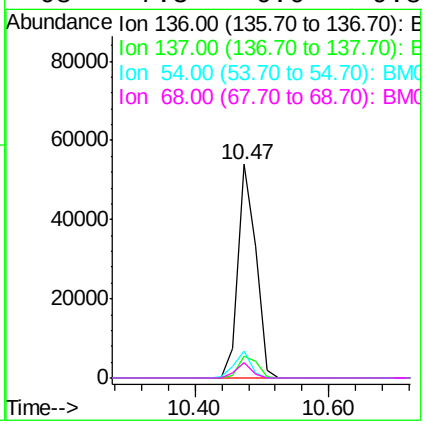
Manual Integrations APPROVED
apatel
6/8/2015 2:47:57 PM

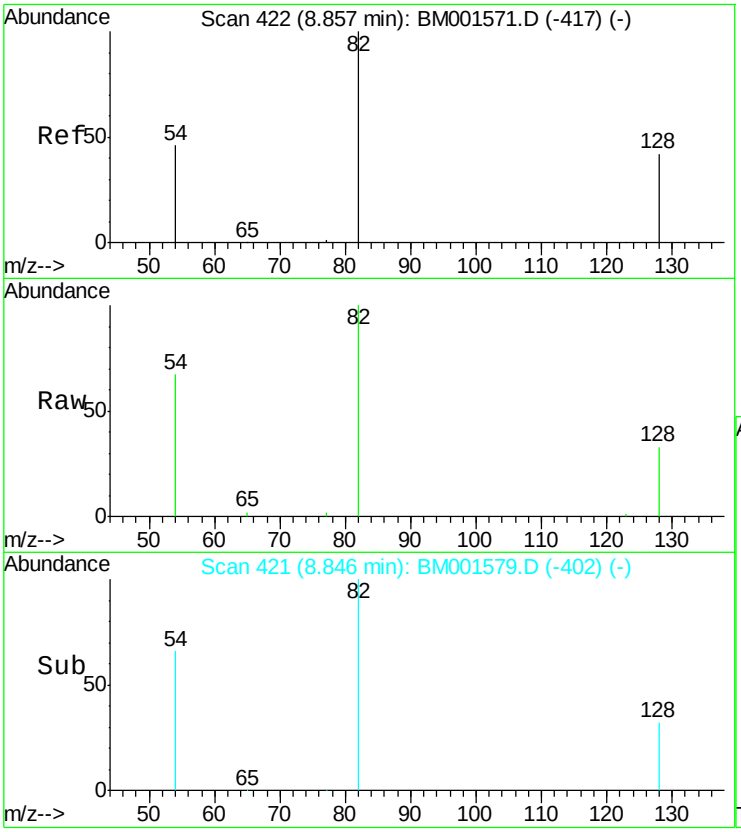


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.47 min Scan# 552
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

Tgt Ion:136 Resp: 99447

Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.1	12.1
54	12.6	11.7	17.5
68	7.3	6.6	9.8





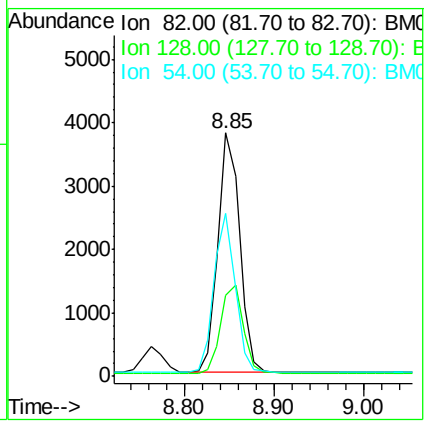
#7
Nitrobenzene-d5
Concen: 0.94 ng
RT: 8.85 min Scan# 421
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

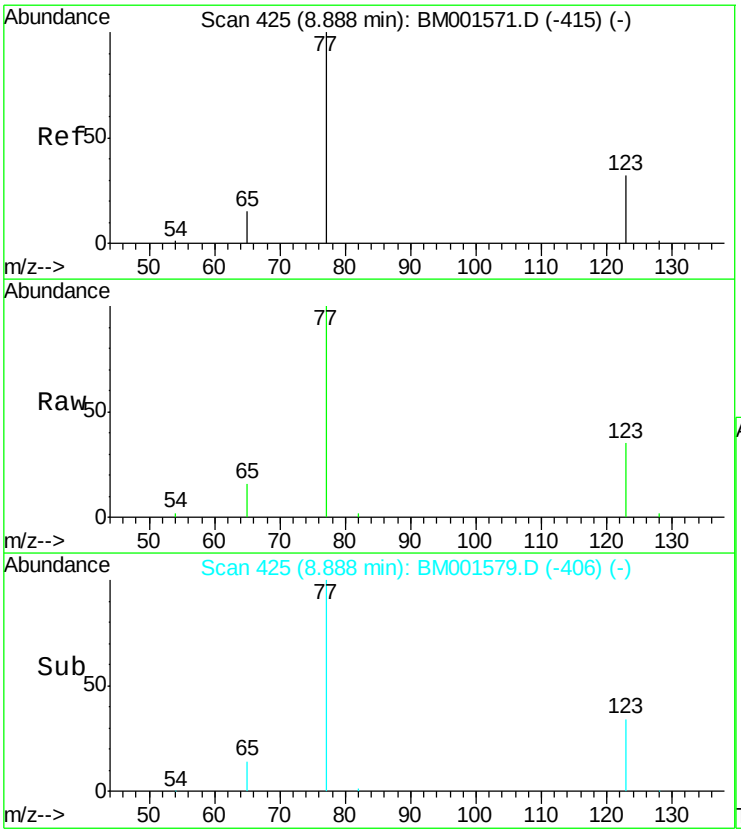
Tgt Ion: 82 Resp: 6384

Ion	Ratio	Lower	Upper
82	100		
128	33.3	34.1	51.1#
54	66.7	37.8	56.6#

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
apatel
6/8/2015 2:47:57 PM

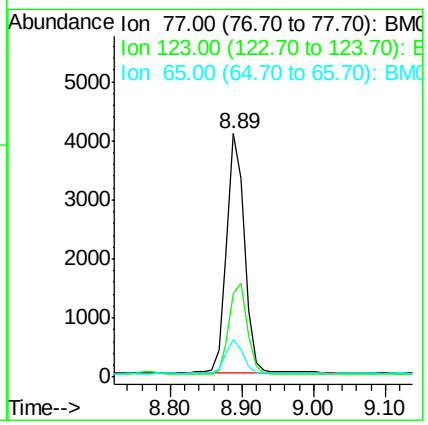


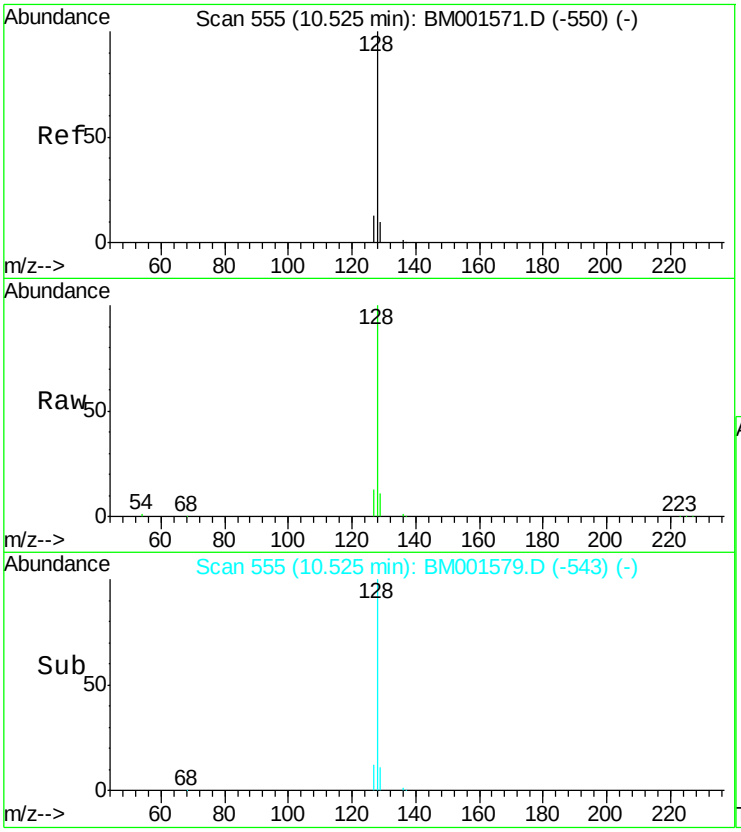


#8
Nitrobenzene
Concen: 0.95 ng
RT: 8.89 min Scan# 425
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

Tgt Ion: 77 Resp: 6891

Ion	Ratio	Lower	Upper
77	100		
123	39.2	31.7	47.5
65	14.2	11.4	17.0

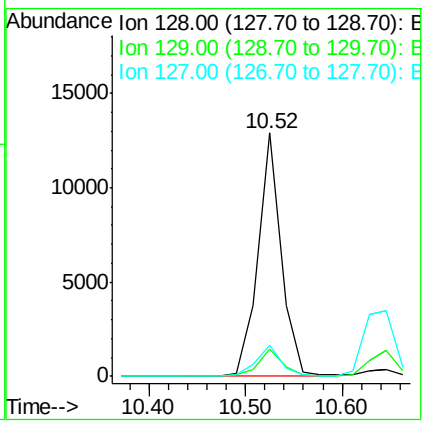




#9
Naphthalene
Concen: 0.98 ng
RT: 10.52 min Scan# 555
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

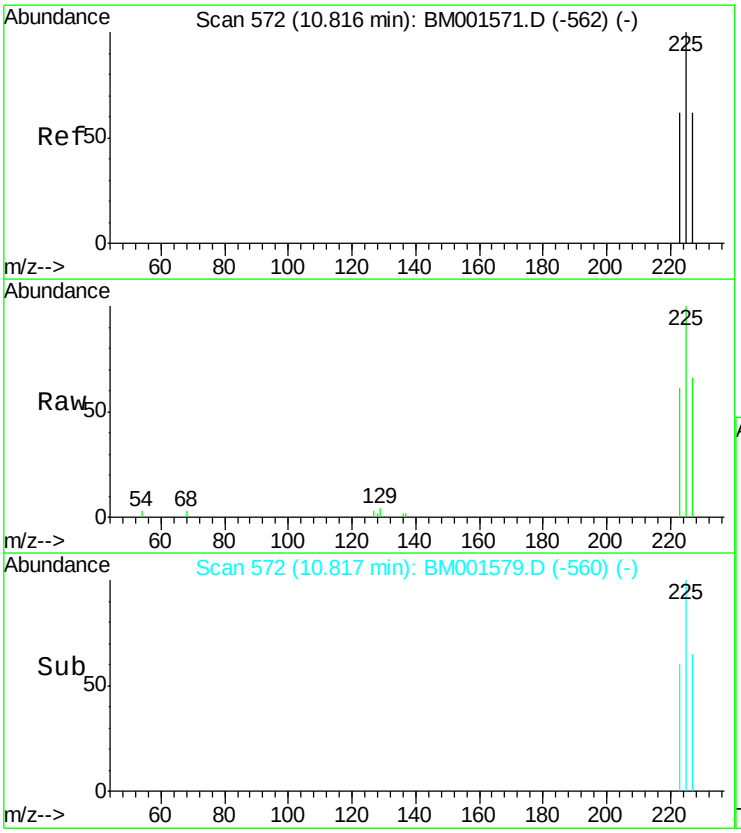
Tgt Ion:128 Resp: 21141

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	12.7	10.7	16.1



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

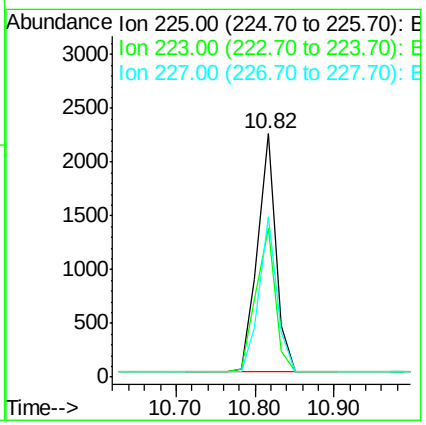
Manual Integrations APPROVED
apatel
6/8/2015 2:47:57 PM

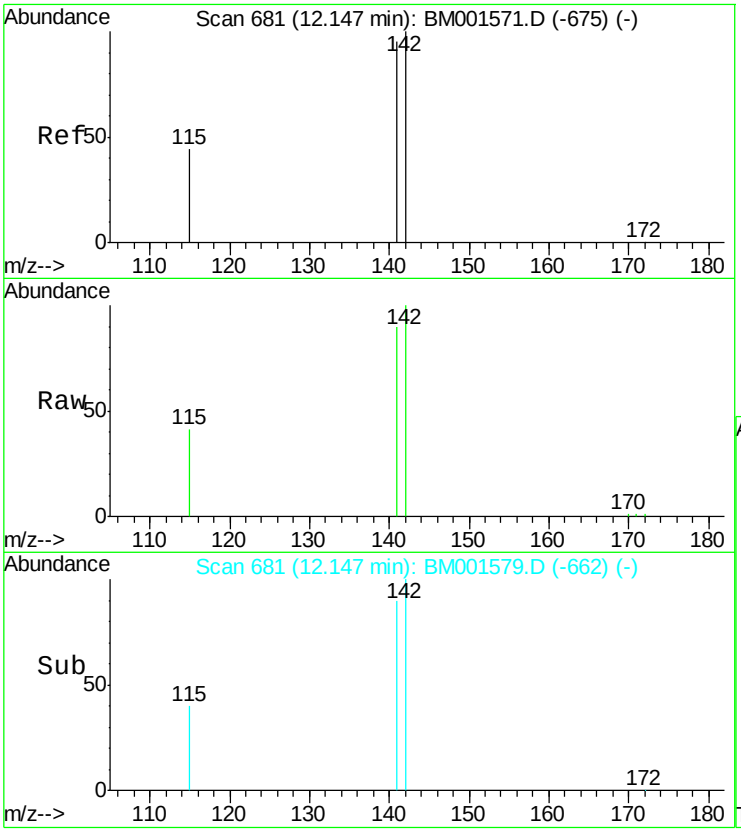


#10
Hexachlorobutadiene
Concen: 0.98 ng
RT: 10.82 min Scan# 572
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

Tgt Ion:225 Resp: 3653

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.4	75.6
227	63.5	50.8	76.2

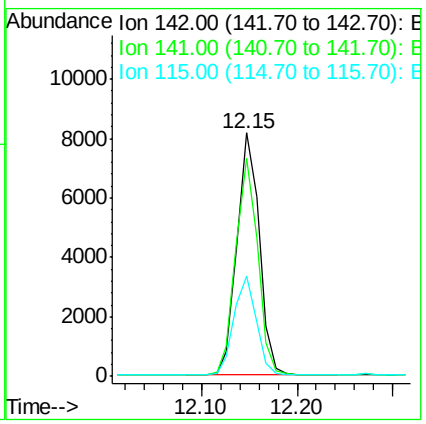




#11
2-Methylnaphthalene
Concen: 0.98 ng
RT: 12.15 min Scan# 681
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

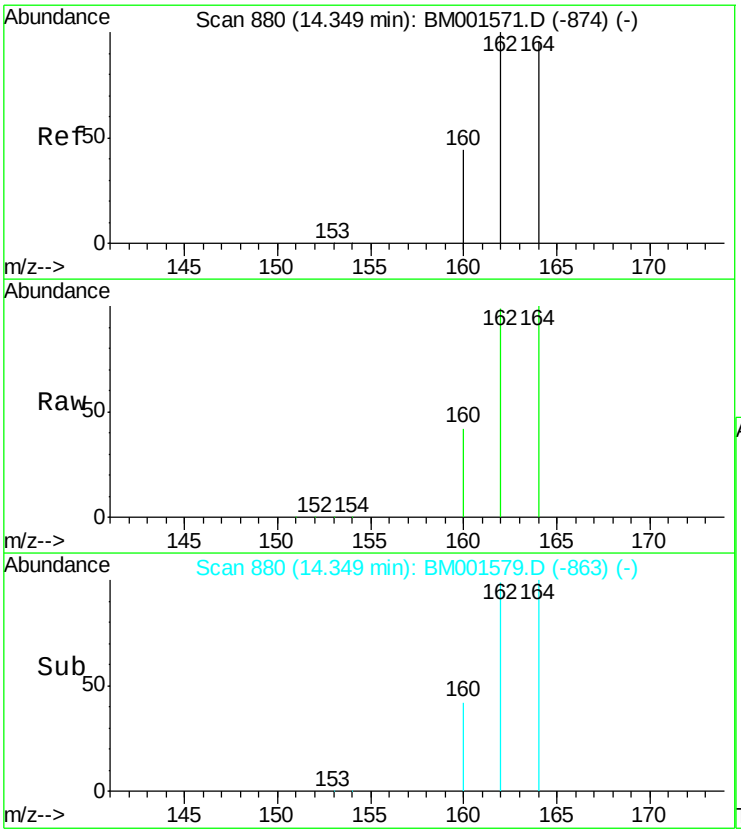
Tgt Ion:142 Resp: 13160

Ion	Ratio	Lower	Upper
142	100		
141	89.6	75.6	113.4
115	40.9	35.5	53.3



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

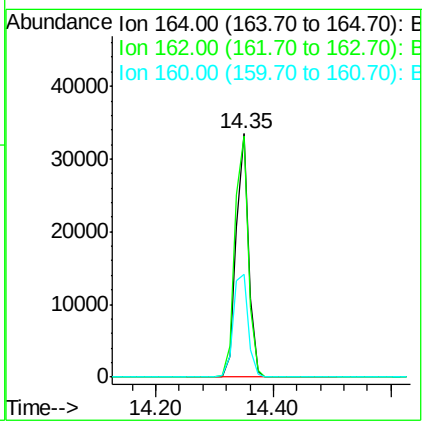
Manual Integrations APPROVED
apatel
6/8/2015 2:47:57 PM

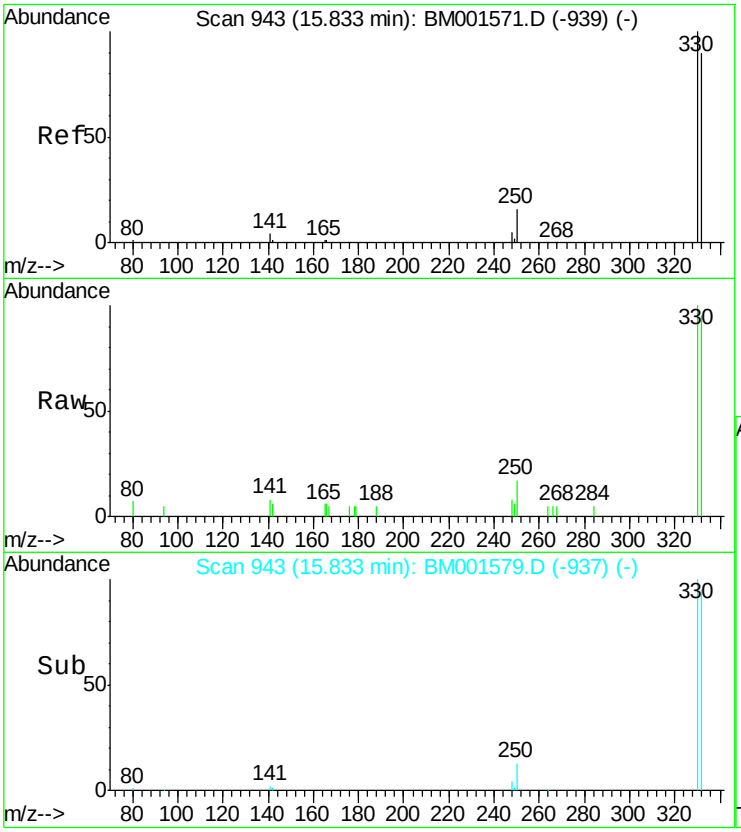


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.35 min Scan# 880
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

Tgt Ion:164 Resp: 49938

Ion	Ratio	Lower	Upper
164	100		
162	98.9	83.8	125.6
160	42.4	37.1	55.7

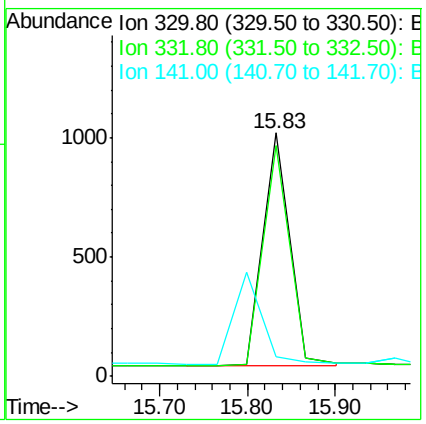




#13
2,4,6-Tribromophenol
Concen: 0.92 ng
RT: 15.83 min Scan# 943
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

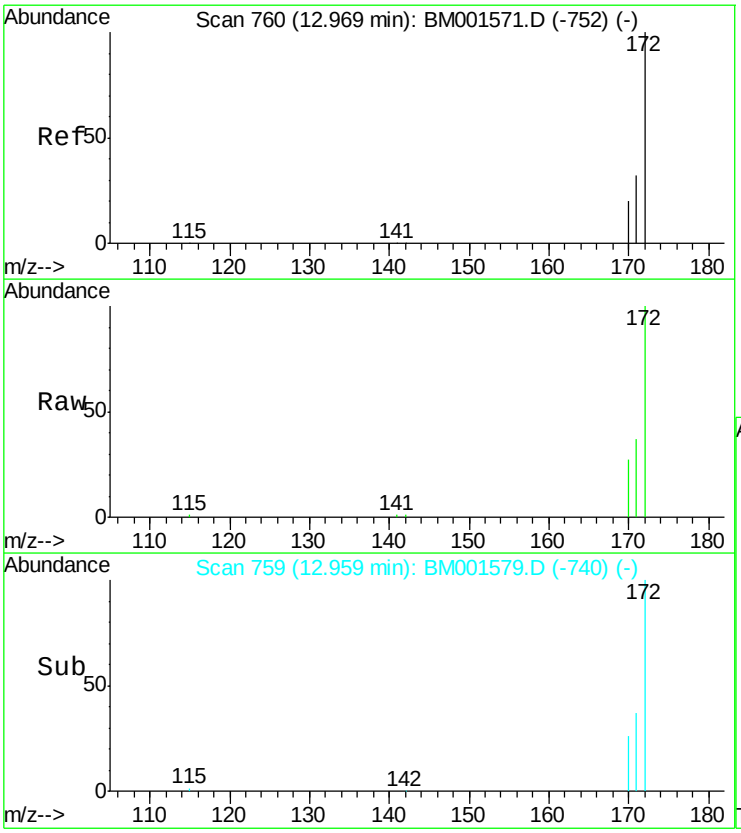
Tgt Ion:330 Resp: 2067

Ion	Ratio	Lower	Upper
330	100		
332	95.0	72.0	108.0
141	0.0	0.0	0.0



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

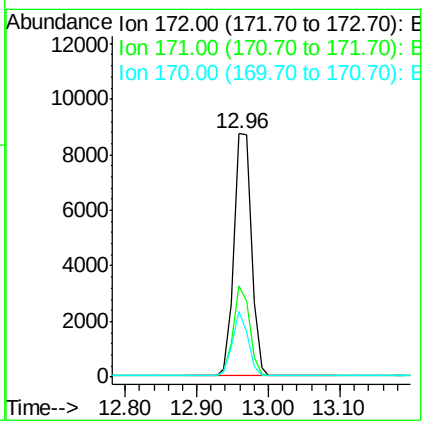
Manual Integrations APPROVED
apatel
6/8/2015 2:47:57 PM

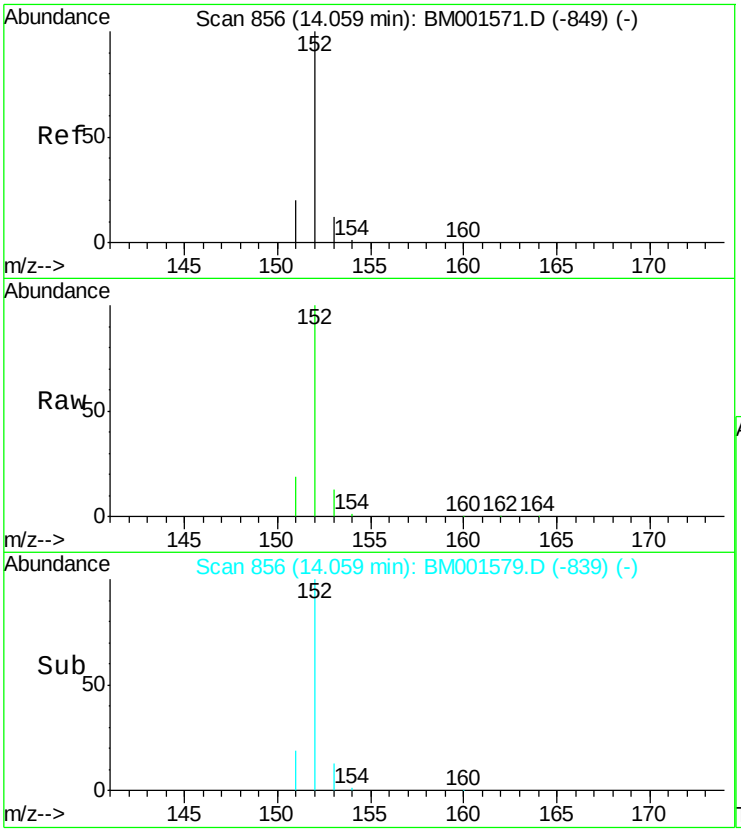


#14
2-Fluorobiphenyl
Concen: 0.95 ng
RT: 12.96 min Scan# 759
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

Tgt Ion:172 Resp: 14552

Ion	Ratio	Lower	Upper
172	100		
171	37.4	26.2	39.2
170	26.9	16.1	24.1#

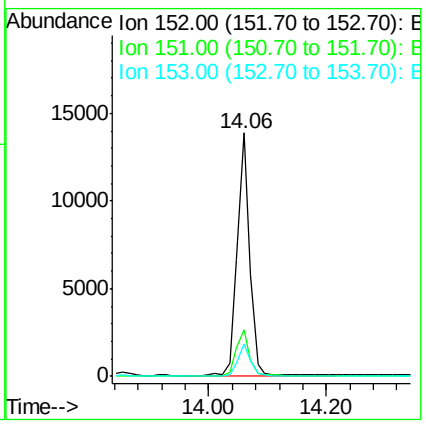




#15
Acenaphthylene
Concen: 0.95 ng
RT: 14.06 min Scan# 856
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

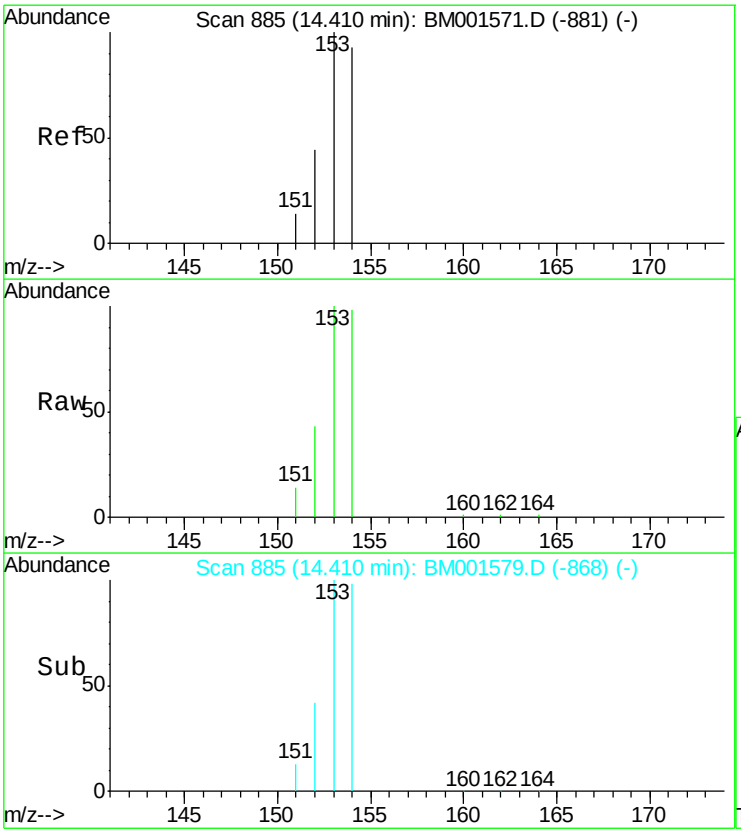
Tgt Ion:152 Resp: 20470

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.2	22.8
153	12.9	10.3	15.5



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

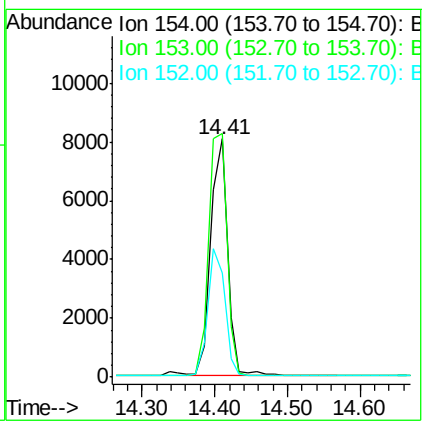
Manual Integrations APPROVED
apatel
6/8/2015 2:47:57 PM

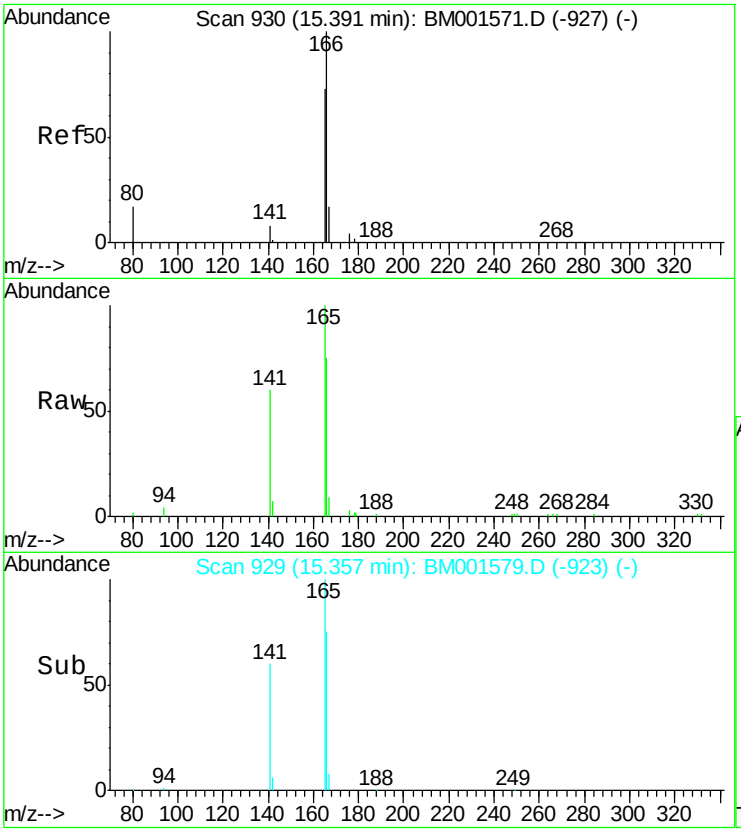


#16
Acenaphthene
Concen: 0.95 ng
RT: 14.41 min Scan# 885
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

Tgt Ion:154 Resp: 12923

Ion	Ratio	Lower	Upper
154	100		
153	111.4	89.1	133.7
152	53.7	43.2	64.8

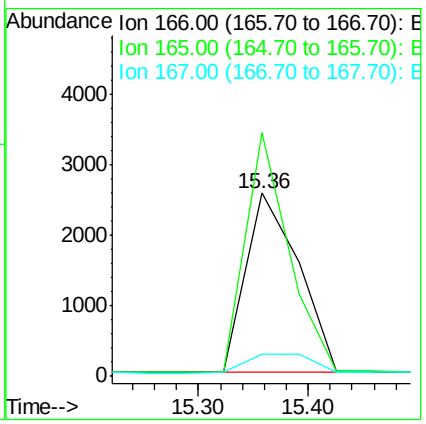




#17
Fluorene
Concen: 0.97 ng
RT: 15.36 min Scan# 929
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

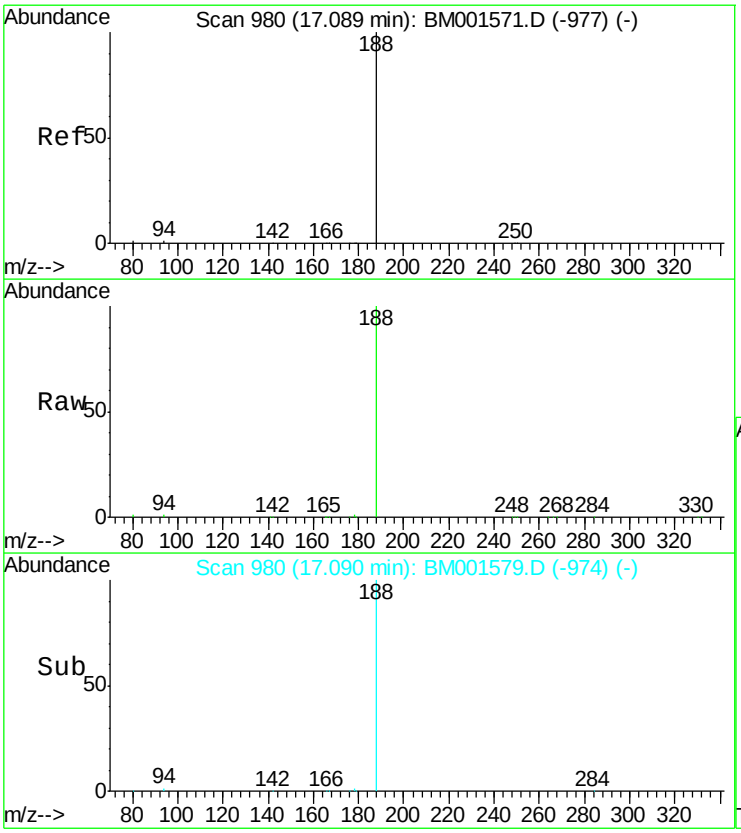
Tgt Ion:166 Resp: 8441

Ion	Ratio	Lower	Upper
166	100		
165	109.6	0.0	0.0#
167	0.0	11.3	16.9#



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

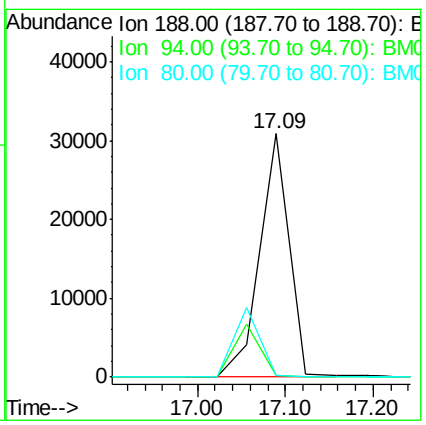
Manual Integrations APPROVED
apatel
6/8/2015 2:47:57 PM

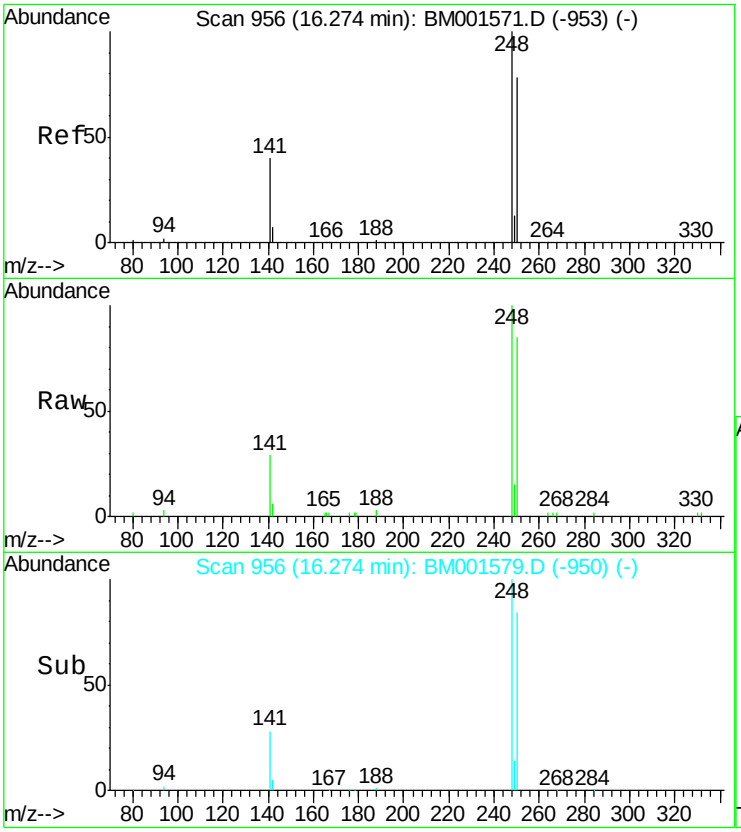


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.09 min Scan# 980
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

Tgt Ion:188 Resp: 72009

Ion	Ratio	Lower	Upper
188	100		
94	0.7	0.7	1.1
80	0.7	0.6	1.0

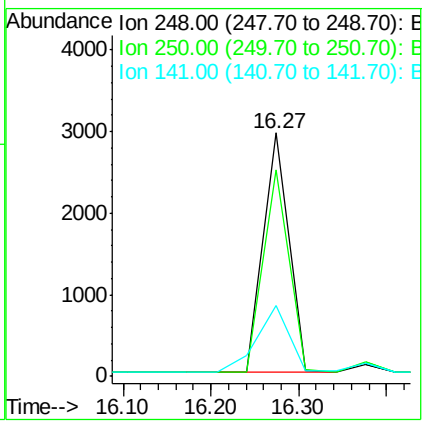




#19
4-Bromophenyl-phenylether
Concen: 1.12 ng
RT: 16.27 min Scan# 956
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

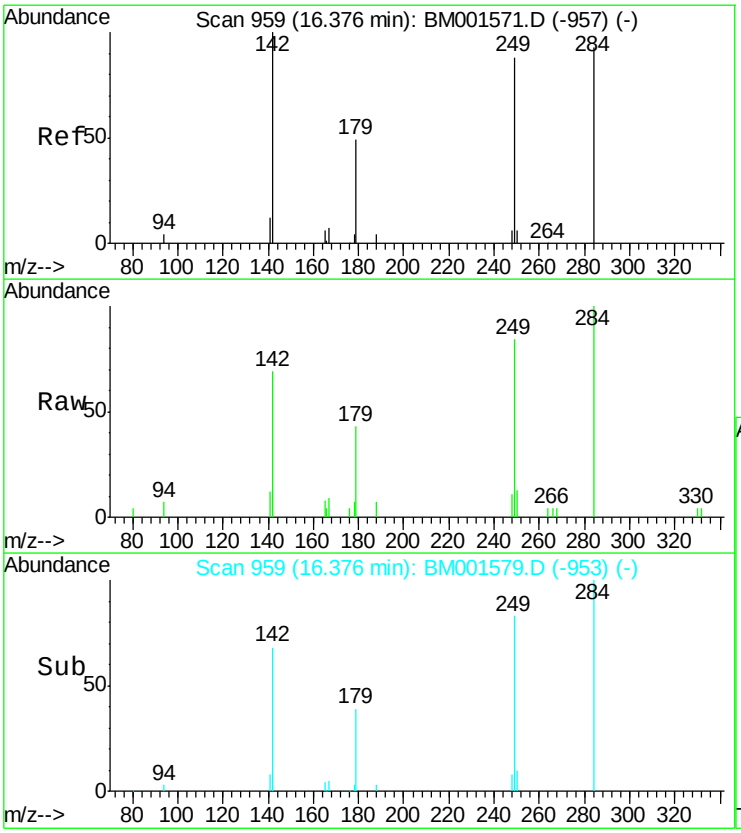
Tgt Ion:248 Resp: 6051

Ion	Ratio	Lower	Upper
248	100		
250	84.9	63.1	94.7
141	34.9	35.0	52.6#



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

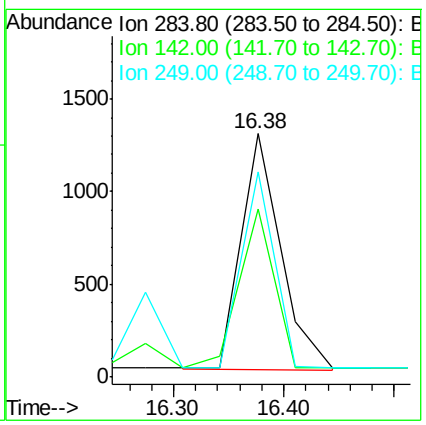
Manual Integrations APPROVED
apatel
6/8/2015 2:47:57 PM

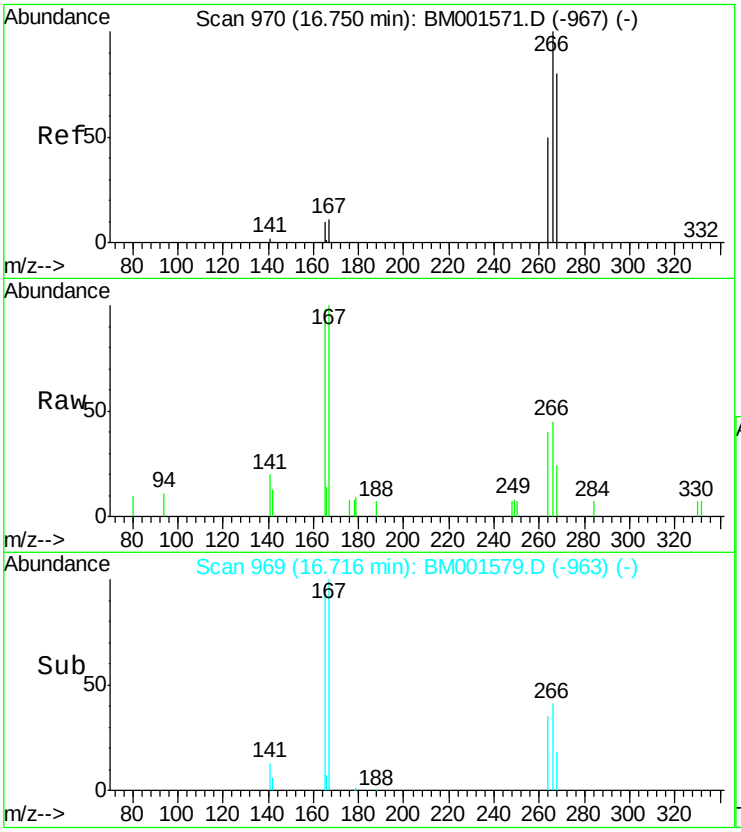


#20
Hexachlorobenzene
Concen: 1.38 ng m
RT: 16.38 min Scan# 959
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

Tgt Ion:284 Resp: 3151

Ion	Ratio	Lower	Upper
284	100		
142	68.1	64.2	96.2
249	95.6	55.4	83.0#

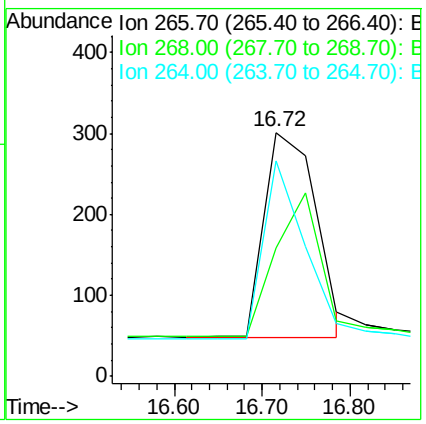




#21
Pentachlorophenol
Concen: 0.94 ng
RT: 16.72 min Scan# 969
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

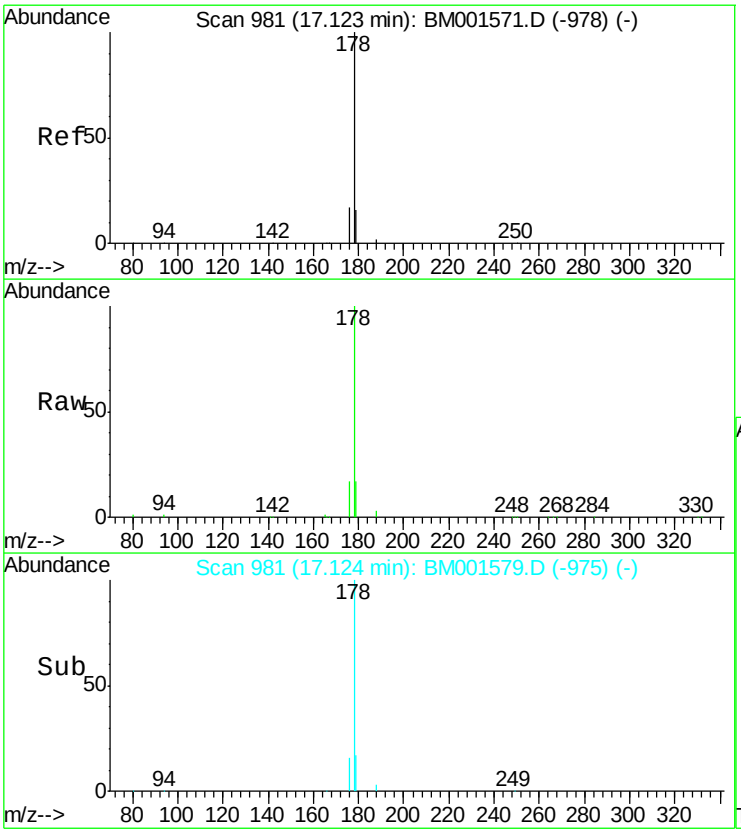
Tgt Ion:266 Resp: 1043

Ion	Ratio	Lower	Upper
266	100		
268	52.8	66.3	99.5#
264	88.4	45.5	68.3#



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

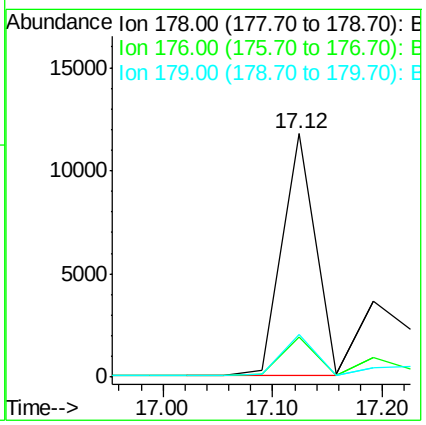
Manual Integrations APPROVED
apatel
6/8/2015 2:47:57 PM

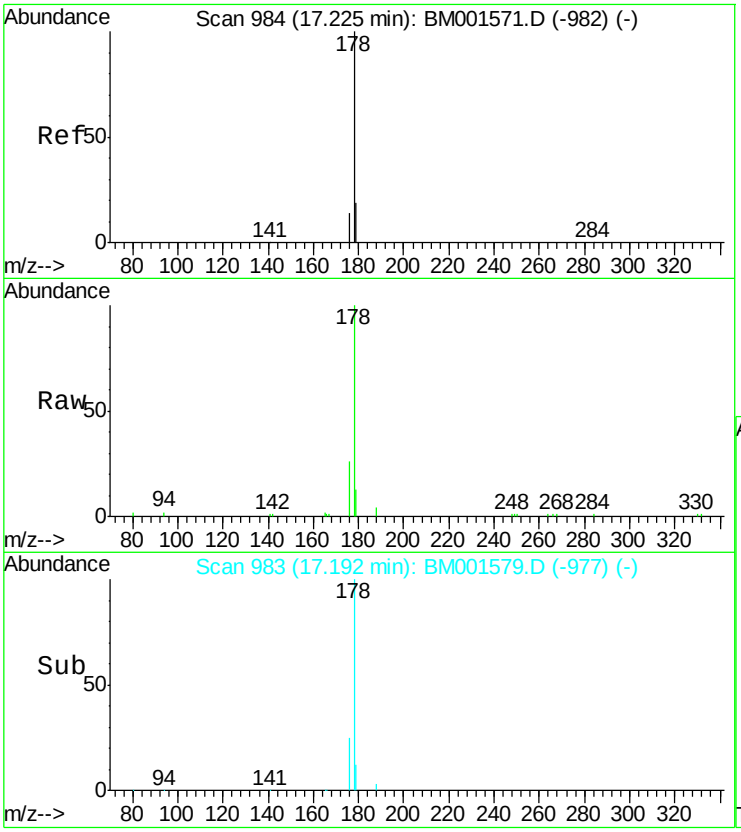


#22
Phenanthrene
Concen: 0.98 ng
RT: 17.12 min Scan# 981
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

Tgt Ion:178 Resp: 24731

Ion	Ratio	Lower	Upper
178	100		
176	16.7	13.5	20.3
179	17.2	13.3	19.9

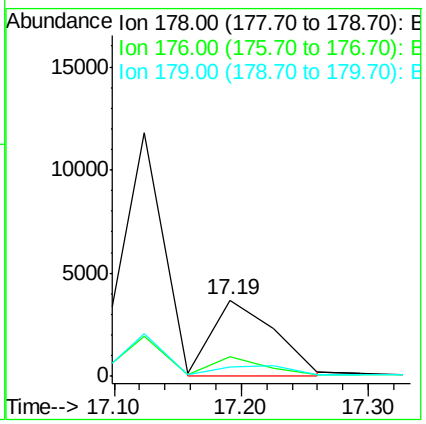




#23
Anthracene
Concen: 1.20 ng m
RT: 17.19 min Scan# 983
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

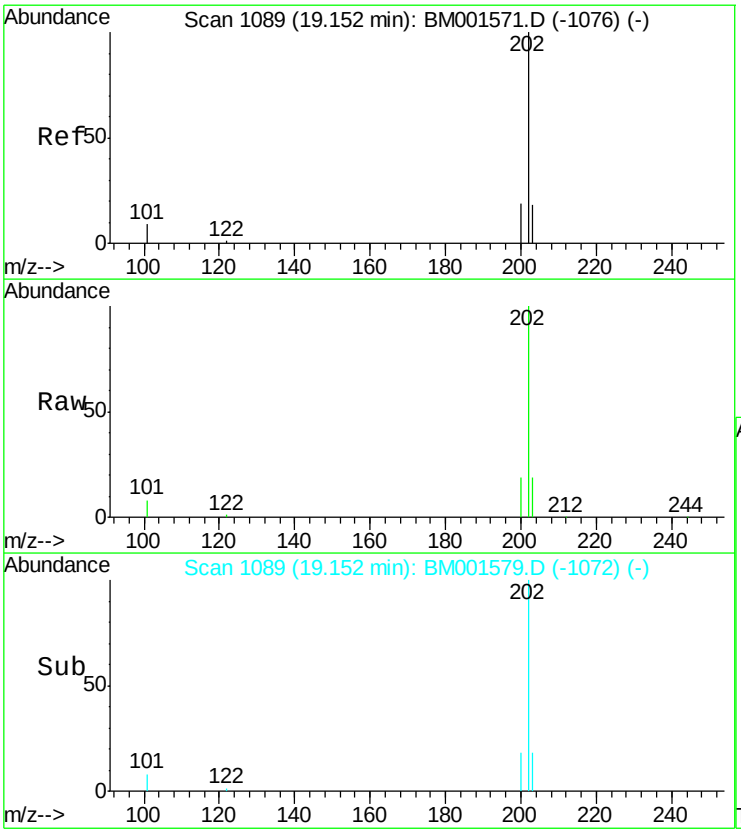
Tgt Ion:178 Resp: 12658

Ion	Ratio	Lower	Upper
178	100		
176	52.5	45.9	68.9
179	47.5	33.3	49.9



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

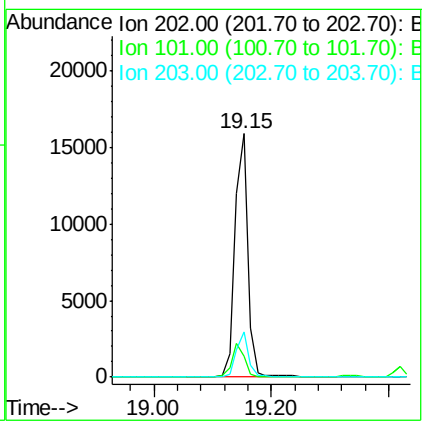
Manual Integrations APPROVED
apatel
6/8/2015 2:47:57 PM

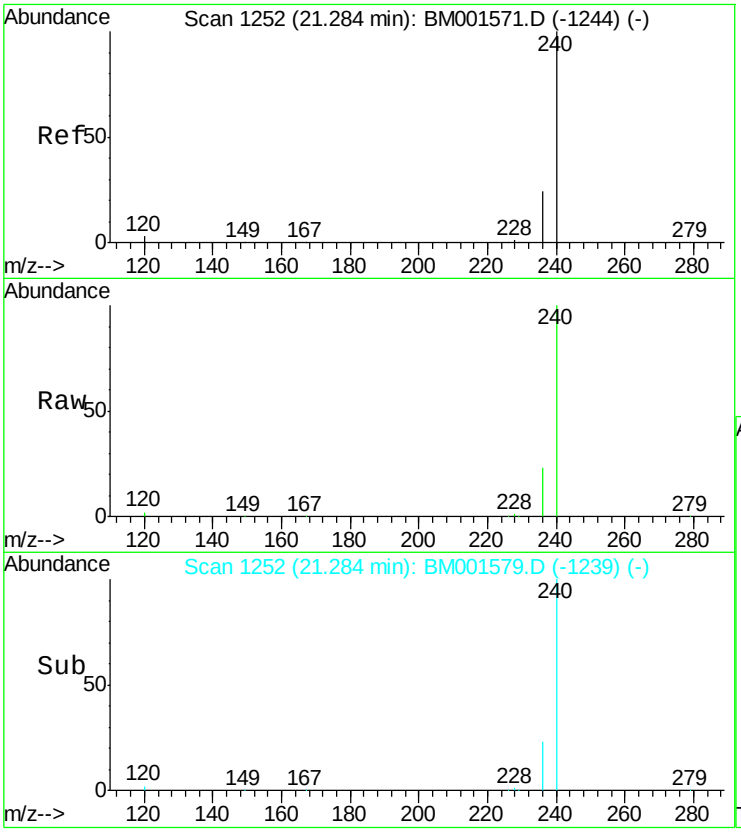


#24
Fluoranthene
Concen: 1.23 ng
RT: 19.15 min Scan# 1089
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

Tgt Ion:202 Resp: 24003

Ion	Ratio	Lower	Upper
202	100		
101	12.6	10.0	15.0
203	17.1	13.9	20.9

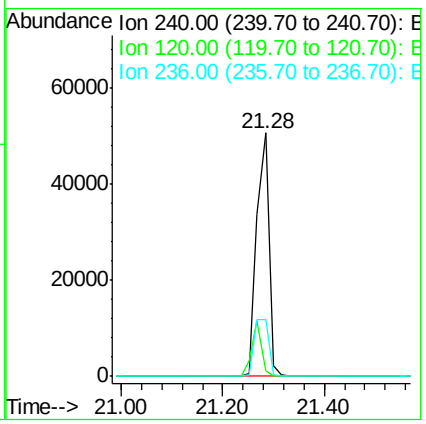




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.28 min Scan# 1252
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

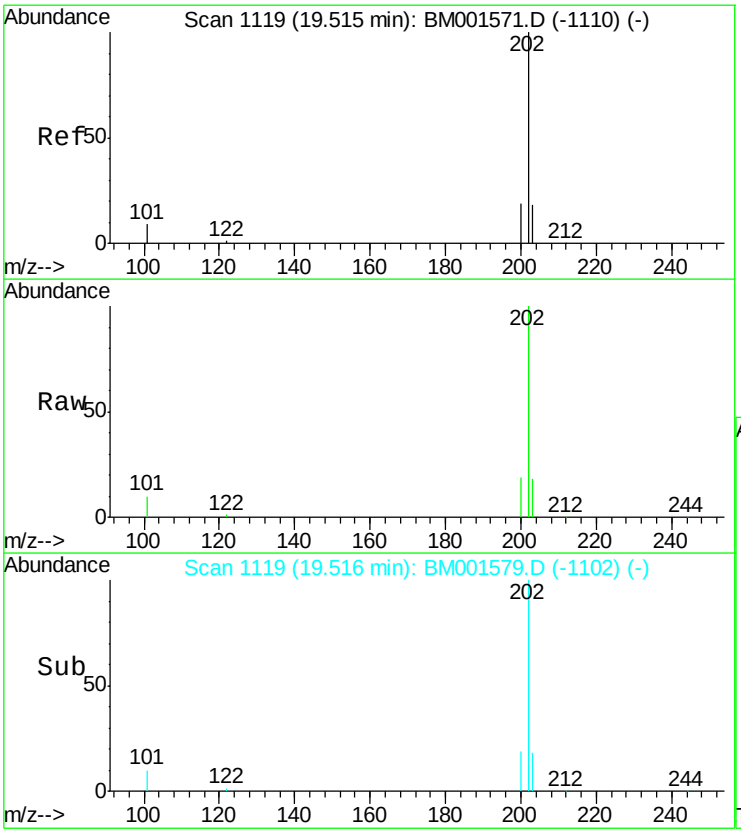
Tgt Ion:240 Resp: 81357

Ion	Ratio	Lower	Upper
240	100		
120	2.1	2.2	3.2#
236	23.4	19.5	29.3



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

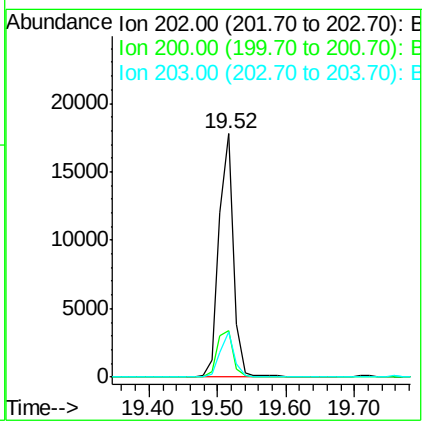
Manual Integrations APPROVED
apatel
6/8/2015 2:47:57 PM

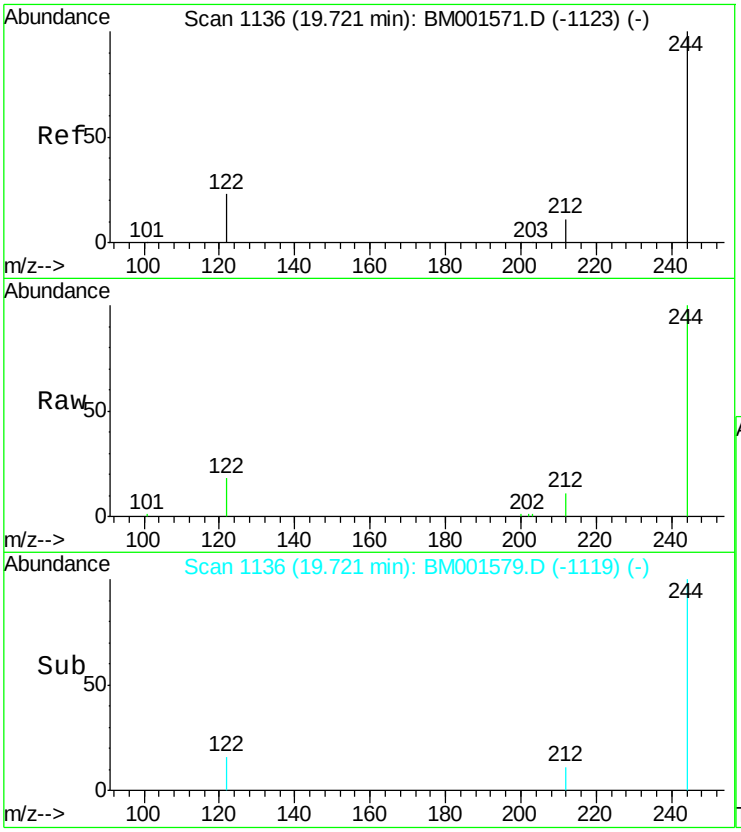


#26
Pyrene
Concen: 0.98 ng
RT: 19.52 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

Tgt Ion:202 Resp: 25557

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





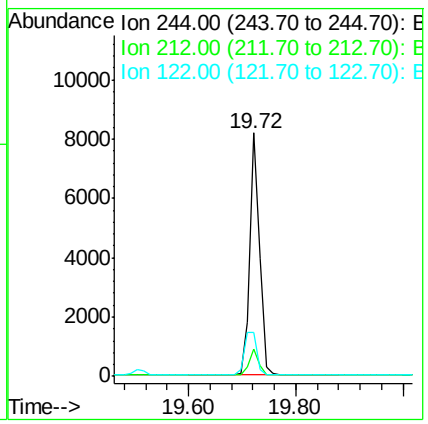
#27
Terphenyl-d14
Concen: 0.99 ng
RT: 19.72 min Scan# 1136
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

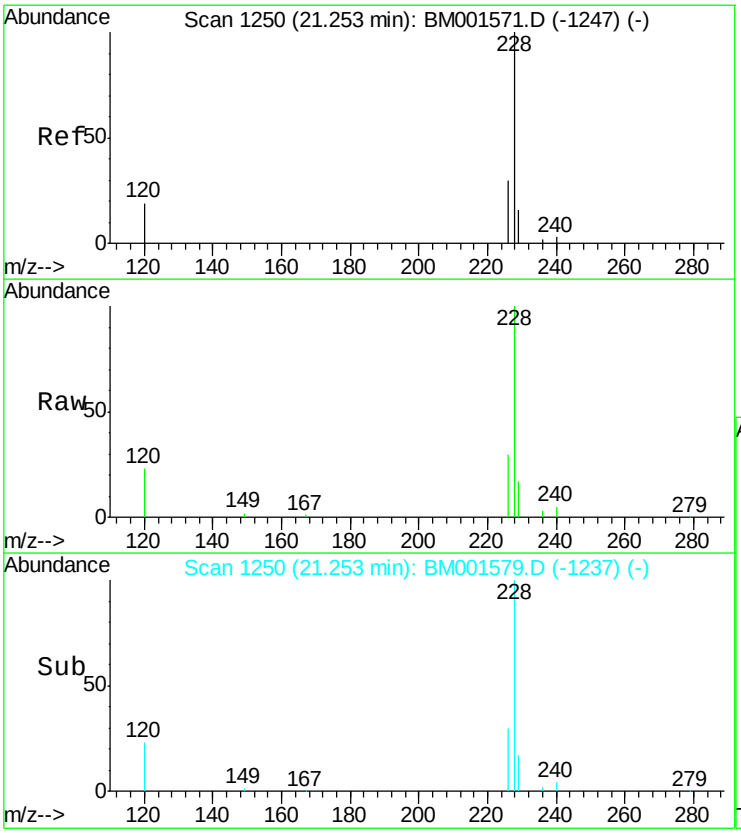
Tgt Ion:244 Resp: 10388

Ion	Ratio	Lower	Upper
244	100		
212	11.2	9.6	14.4
122	17.8	19.0	28.4#

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
apatel
6/8/2015 2:47:57 PM

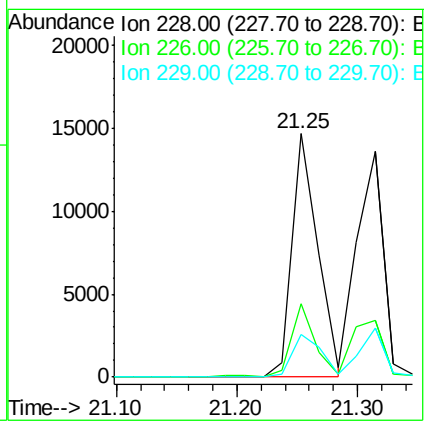


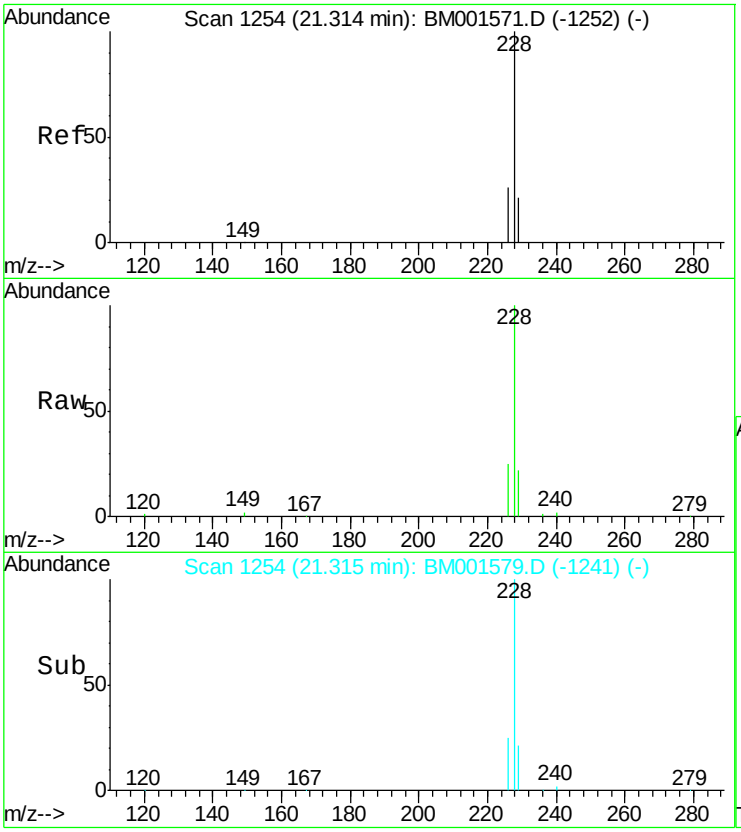


#28
Benzo(a)anthracene
Concen: 0.94 ng
RT: 21.25 min Scan# 1250
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

Tgt Ion:228 Resp: 21651

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.8	37.2
229	17.4	13.4	20.0





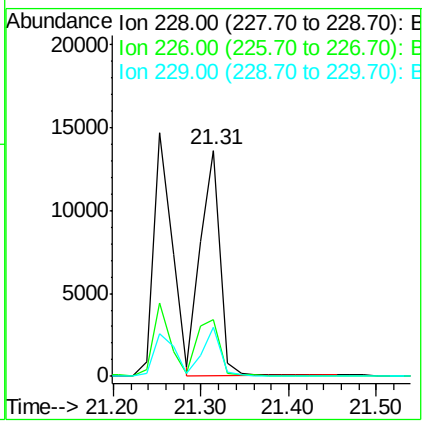
#29
Chrysene
Concen: 0.96 ng
RT: 21.31 min Scan# 1254
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

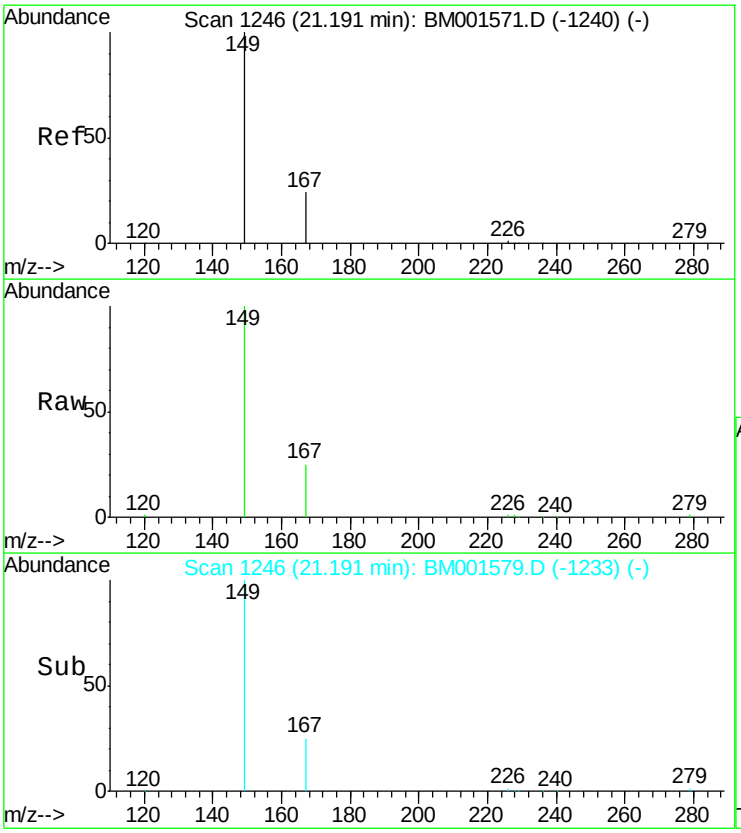
Tgt Ion:228 Resp: 21011

Ion	Ratio	Lower	Upper
228	100		
226	25.3	21.0	31.6
229	21.6	17.2	25.8

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
apatel
6/8/2015 2:47:57 PM

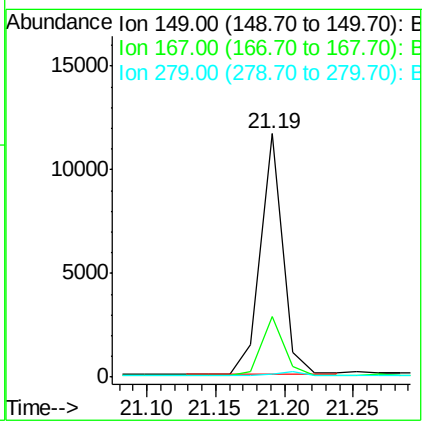


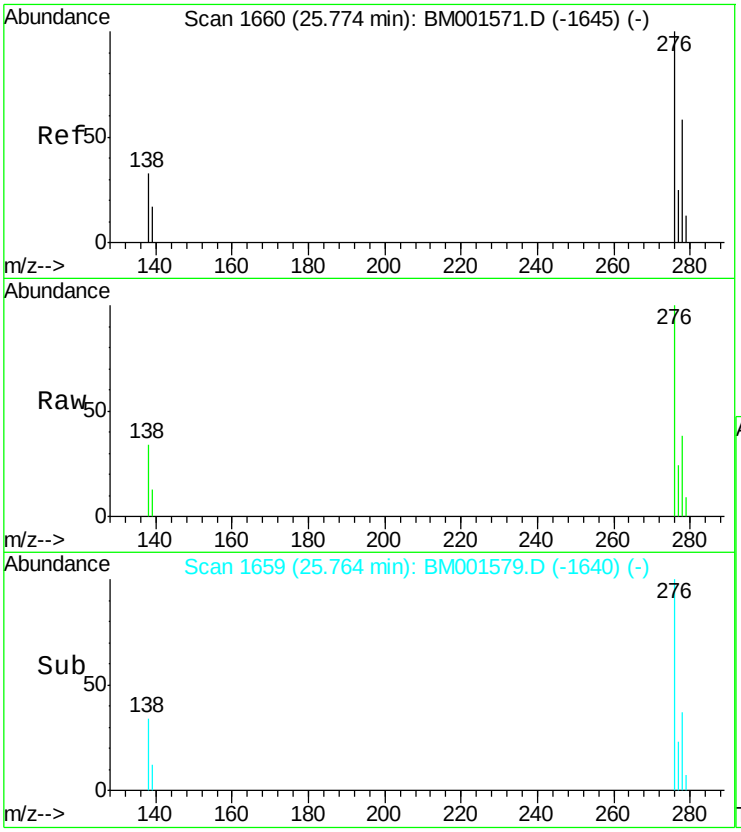


#30
Bis(2-ethylhexyl)phthalate
Concen: 0.95 ng
RT: 21.19 min Scan# 1246
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

Tgt Ion:149 Resp: 13078

Ion	Ratio	Lower	Upper
149	100		
167	25.1	20.2	30.2
279	2.1	1.8	2.6

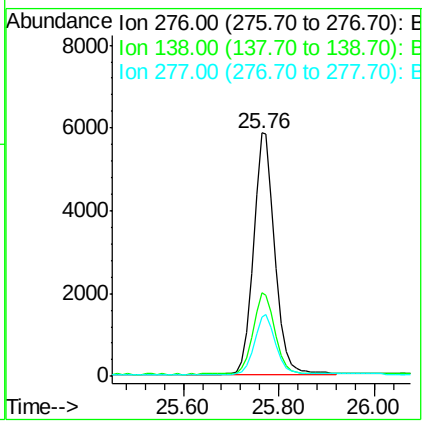




#31
Indeno(1,2,3-cd)pyrene
Concen: 0.78 ng
RT: 25.76 min Scan# 1659
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

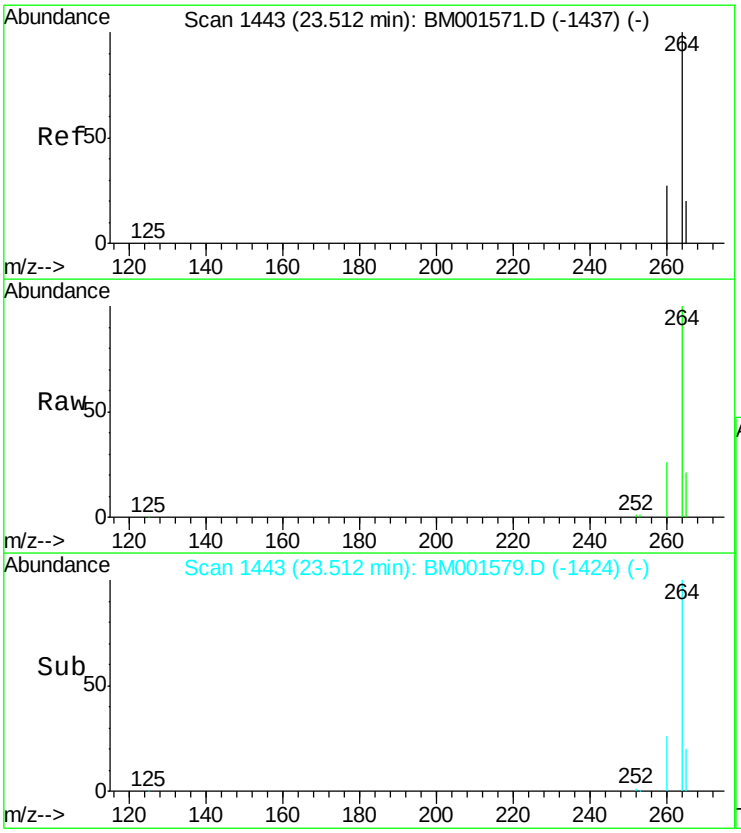
Tgt Ion:276 Resp: 18270

Ion	Ratio	Lower	Upper
276	100		
138	34.9	28.0	42.0
277	24.5	19.7	29.5



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

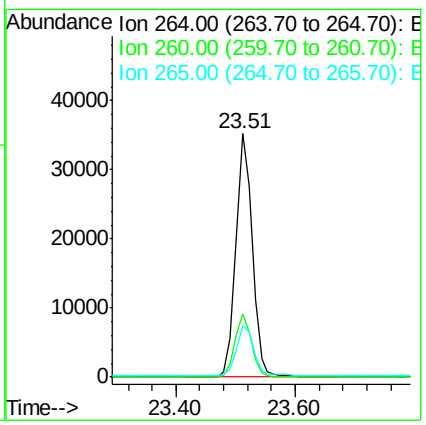
Manual Integrations APPROVED
apatel
6/8/2015 2:47:57 PM

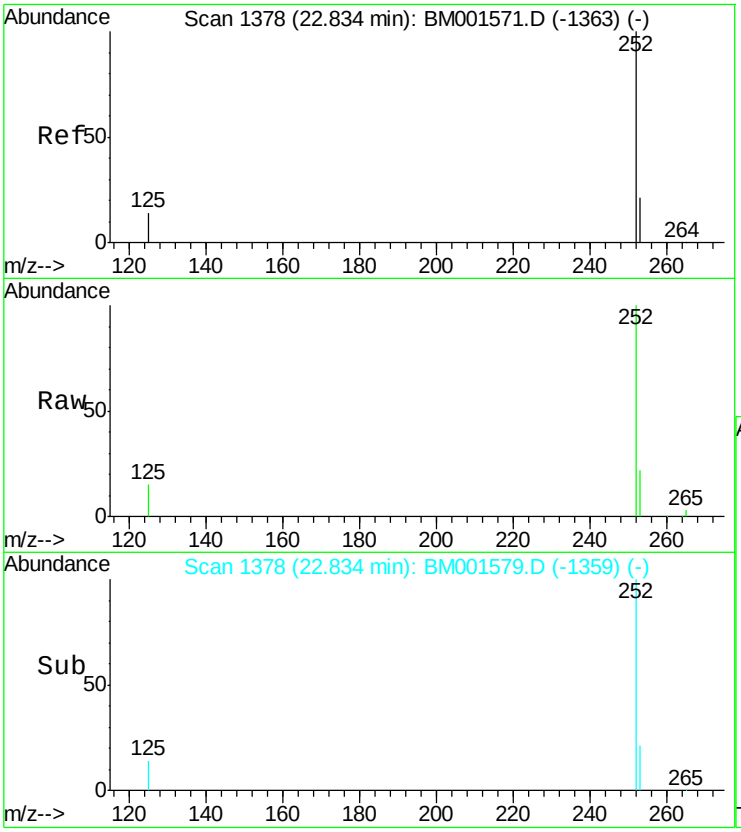


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.51 min Scan# 1443
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

Tgt Ion:264 Resp: 65956

Ion	Ratio	Lower	Upper
264	100		
260	26.1	21.6	32.4
265	21.1	16.5	24.7

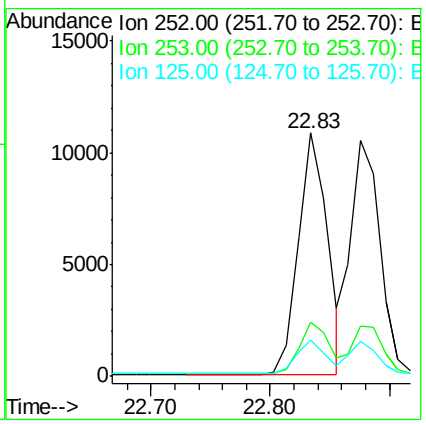




#33
Benzo(b)fluoranthene
Concen: 0.93 ng
RT: 22.83 min Scan# 1378
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

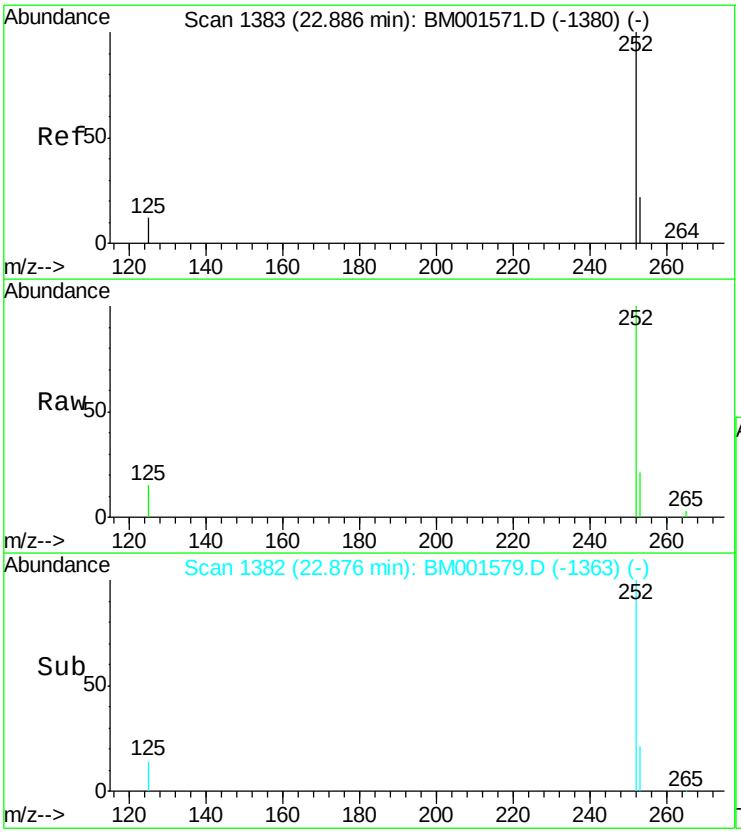
Tgt Ion:252 Resp: 18323

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	14.6	11.8	17.8



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

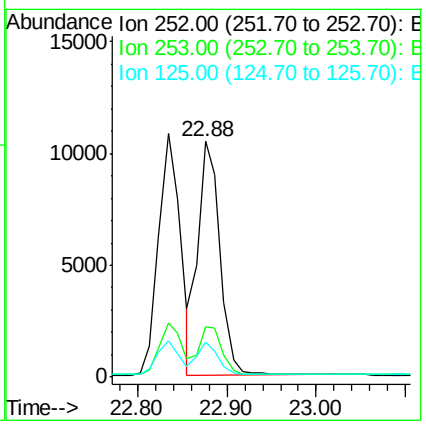
Manual Integrations APPROVED
apatel
6/8/2015 2:47:57 PM

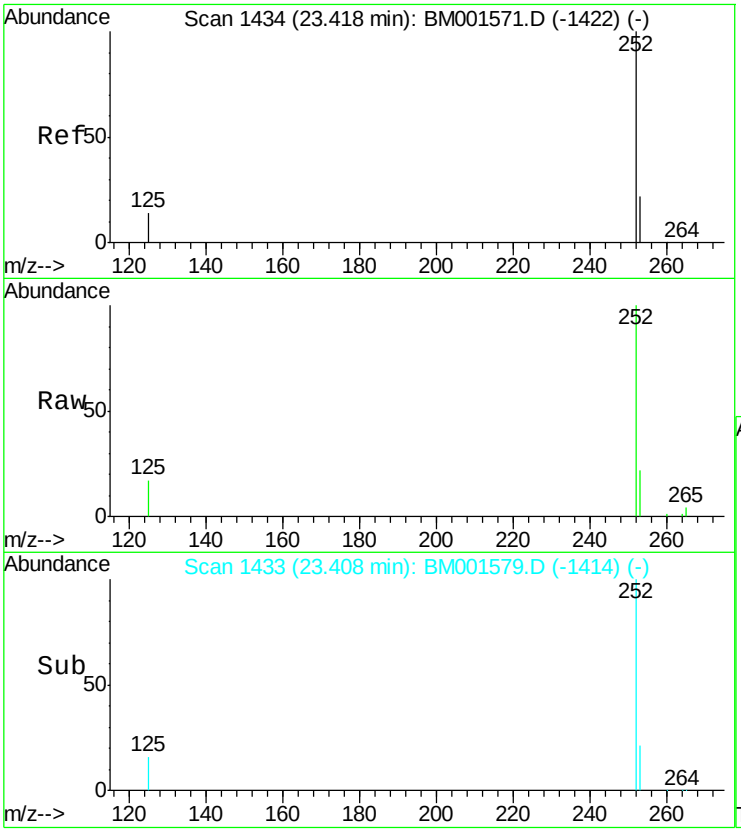


#34
Benzo(k)fluoranthene
Concen: 1.00 ng
RT: 22.88 min Scan# 1382
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

Tgt Ion:252 Resp: 17968

Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.8	28.2
125	14.7	10.7	16.1





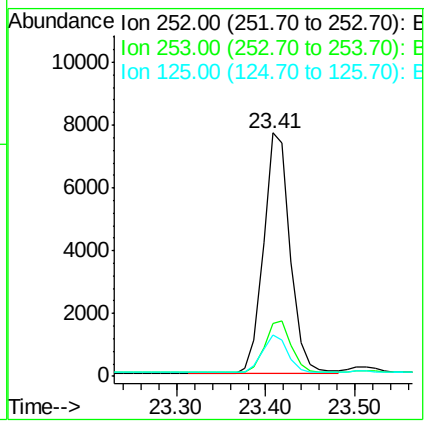
#35
Benzo(a)pyrene
Concen: 0.93 ng
RT: 23.41 min Scan# 1433
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

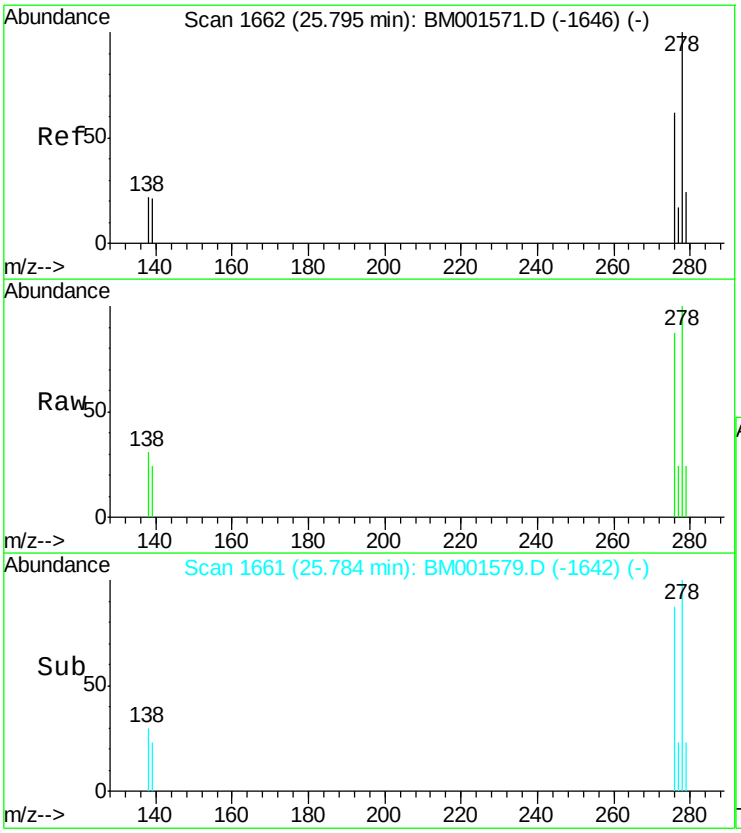
Tgt Ion:252 Resp: 15959

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.8	28.2
125	17.2	12.1	18.1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
apatel
6/8/2015 2:47:57 PM

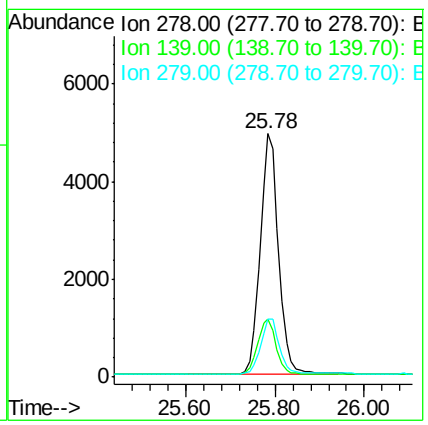


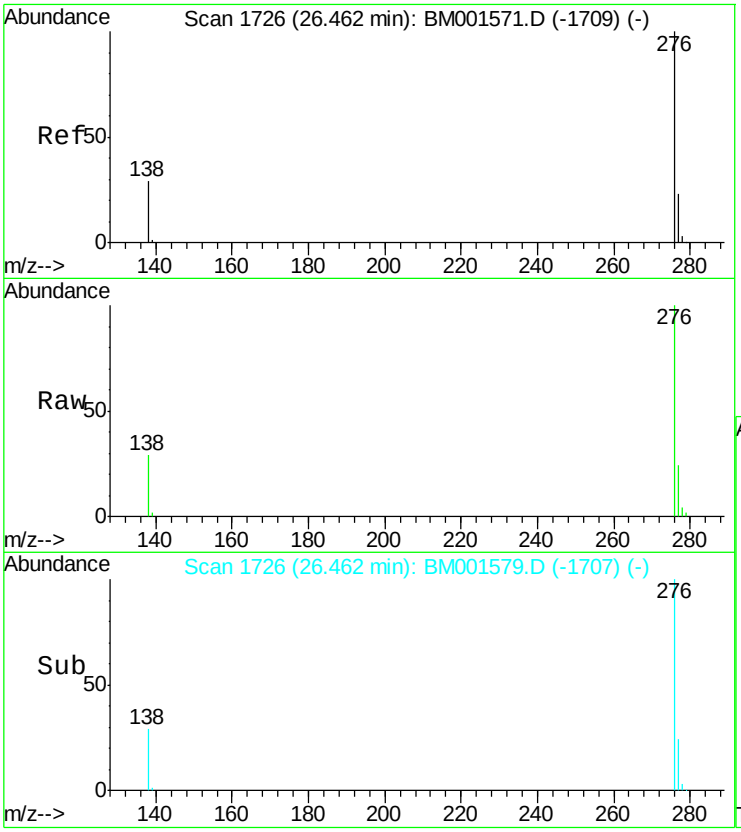


#36
Dibenzo(a,h)anthracene
Concen: 0.85 ng
RT: 25.78 min Scan# 1661
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

Tgt Ion:278 Resp: 14286

Ion	Ratio	Lower	Upper
278	100		
139	23.8	17.4	26.0
279	23.9	20.0	30.0

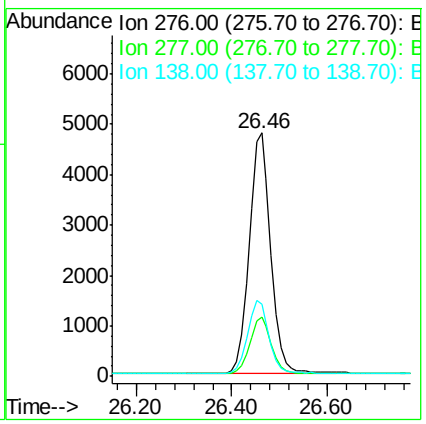




#37
Benzo(g,h,i)perylene
Concen: 0.85 ng
RT: 26.46 min Scan# 1726
Delta R.T. 0.00 min
Lab File: BM001579.D
Acq: 06 Jun 2015 05:42

Tgt Ion:276 Resp: 15019

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.2	28.8
138	29.4	23.7	35.5



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
apatel
6/8/2015 2:47:57 PM