Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060615\
Data File : BM001571.D
Acq On : 05 Jun 2015 18:25
Operator : TP/IZ
Sample : SSTDICCC001
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 06:14:09 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM060615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 06 01:16:45 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

Manual Integrations APPROVED
apatel
6/8/2015 2:47:26 PM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	26801	5.00	ng		0.00
6) Naphthalene-d8	10.47	136	96076	5.00	ng		0.00
12) Acenaphthene-d10	14.35	164	46750	5.00	ng		0.00
18) Phenanthrene-d10	17.09	188	86874	5.00	ng		0.00
25) Chrysene-d12	21.28	240	71143	5.00	ng		0.00
32) Perylene-d12	23.51	264	63592	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.28	112	5696	0.94	ng		0.00
5) Phenol-d6	6.86	99	7012	0.94	ng		0.00
7) Nitrobenzene-d5	8.86	82	6240	0.92	ng		0.00
13) 2,4,6-Tribromophenol	15.83	330	1845	0.95	ng		0.00
14) 2-Fluorobiphenyl	12.97	172	13852	1.00	ng		0.00
27) Terphenyl-d14	19.72	244	9110	1.03	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.21	88	2544	0.91	ng		100
3) n-Nitrosodimethylamine	3.51	42	4004	0.96	ng		100
8) Nitrobenzene	8.89	77	6698	0.94	ng		100
9) Naphthalene	10.52	128	20052	0.99	ng		100
10) Hexachlorobutadiene	10.82	225	3466	0.99	ng		100
11) 2-Methylnaphthalene	12.15	142	12586	0.99	ng		100
15) Acenaphthylene	14.06	152	19454	0.96	ng		100
16) Acenaphthene	14.41	154	12178	0.99	ng		100
17) Fluorene	15.39	166	7580	0.79	ng	#	100
19) 4-Bromophenyl-phenylether	16.27	248	5248	1.43	ng		100
20) Hexachlorobenzene	16.38	284	2486	1.30	ng	#	75
21) Pentachlorophenol	16.75	266	989	0.98	ng		100
22) Phenanthrene	17.12	178	28564	1.11	ng		100
23) Anthracene	17.23	178	10911m	0.94	ng		
24) Fluoranthene	19.15	202	21203	1.15	ng		100
26) Pyrene	19.52	202	22586	1.03	ng		100
28) Benzo(a)anthracene	21.25	228	19067	0.96	ng		100
29) Chrysene	21.31	228	18383	1.03	ng		100
30) Bis(2-ethylhexyl)phthalate	21.19	149	10812	0.77	ng		100
31) Indeno(1,2,3-cd)pyrene	25.77	276	19063	0.97	ng		100
33) Benzo(b)fluoranthene	22.83	252	17244	0.98	ng		100
34) Benzo(k)fluoranthene	22.89	252	17369	1.05	ng		100
35) Benzo(a)pyrene	23.42	252	15705	0.99	ng		100
36) Dibenzo(a,h)anthracene	25.79	278	14938	1.00	ng		100
37) Benzo(g,h,i)perylene	26.46	276	15716	1.00	ng		100

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

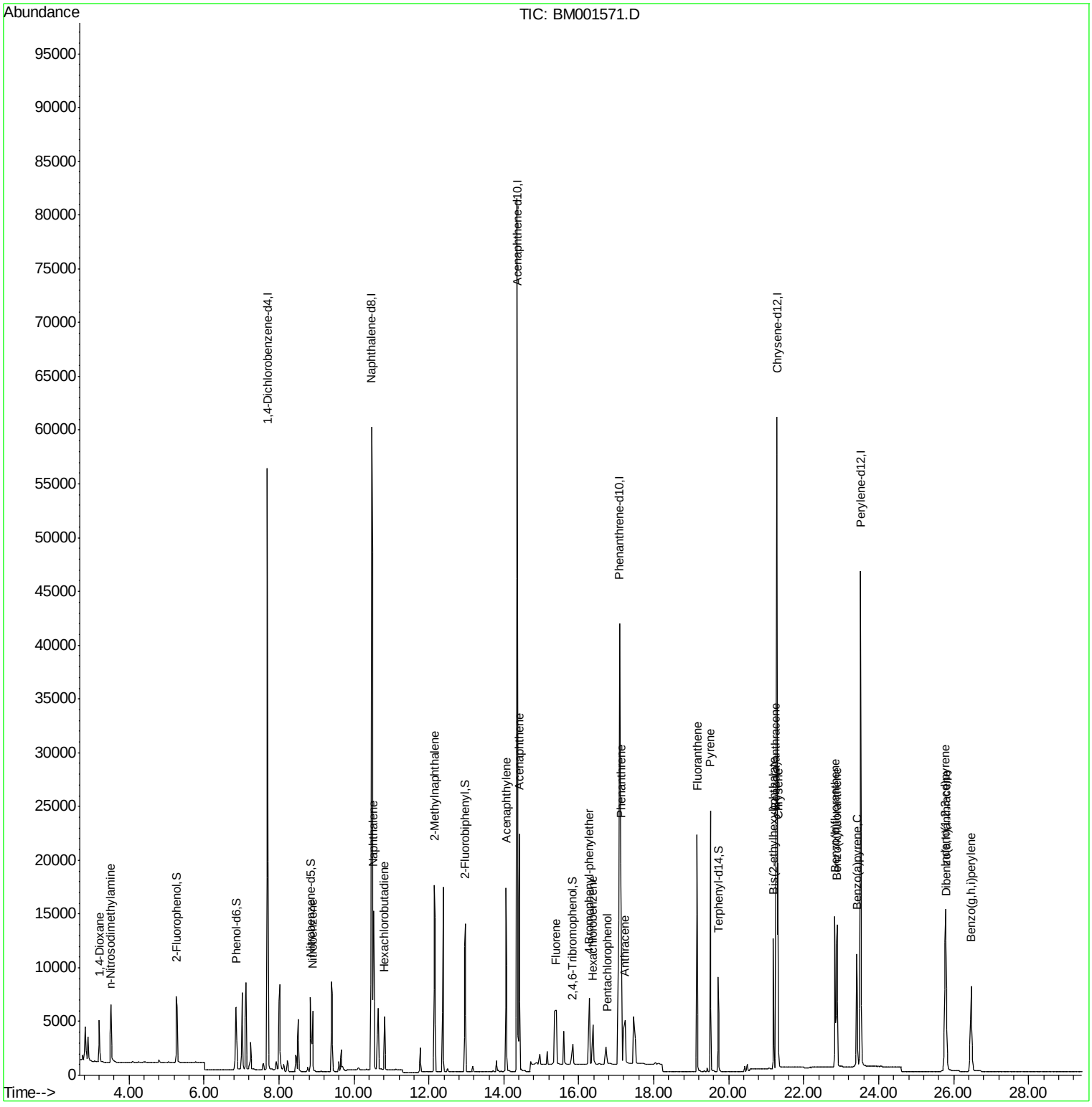
Quantitation Report (QT Reviewed)

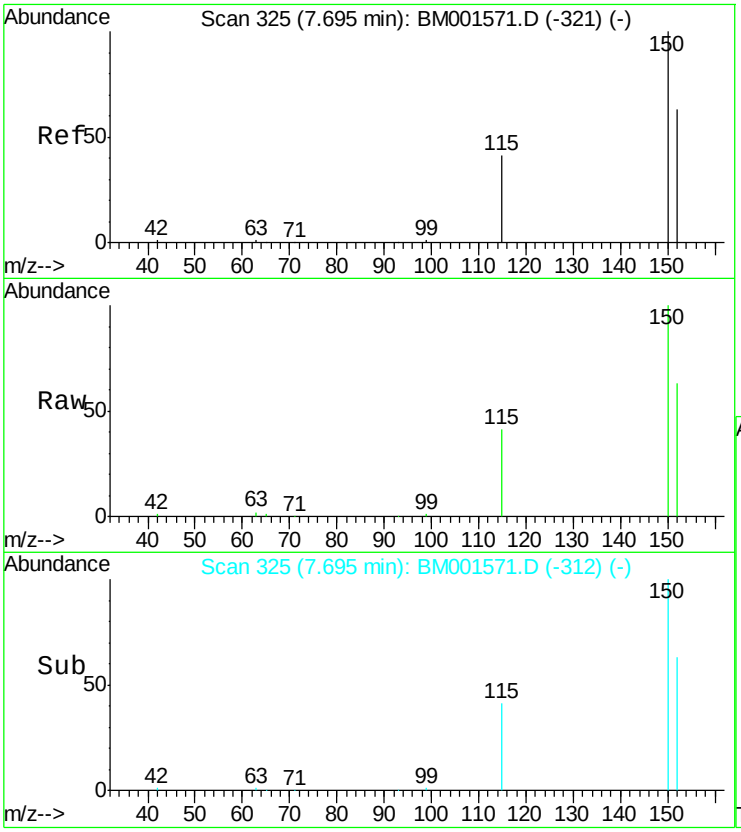
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060615\
Data File : BM001571.D
Acq On : 05 Jun 2015 18:25
Operator : TP/IZ
Sample : SSTDICCC001
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 06:14:09 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM060615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 06 01:16:45 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

Manual Integrations APPROVED
apatel
6/8/2015 2:47:26 PM

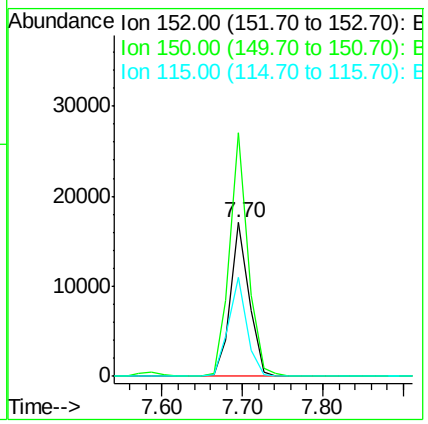




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.70 min Scan# 325
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

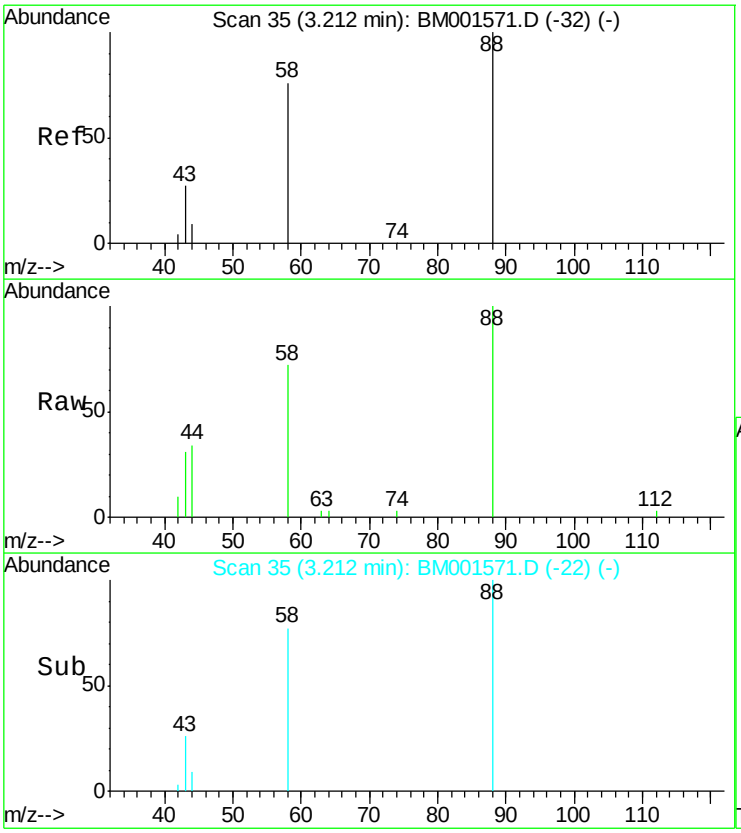
Tgt Ion:152 Resp: 26801

Ion	Ratio	Lower	Upper
152	100		
150	158.3	126.6	190.0
115	64.5	51.6	77.4



Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

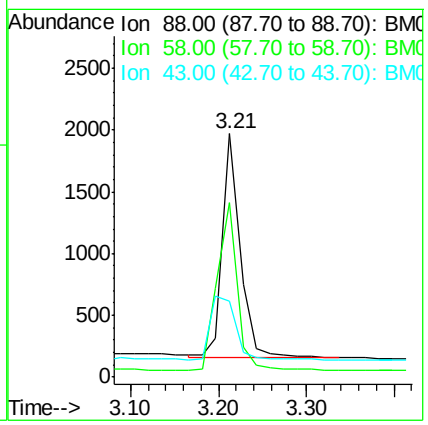
Manual Integrations APPROVED
apatel
6/8/2015 2:47:26 PM

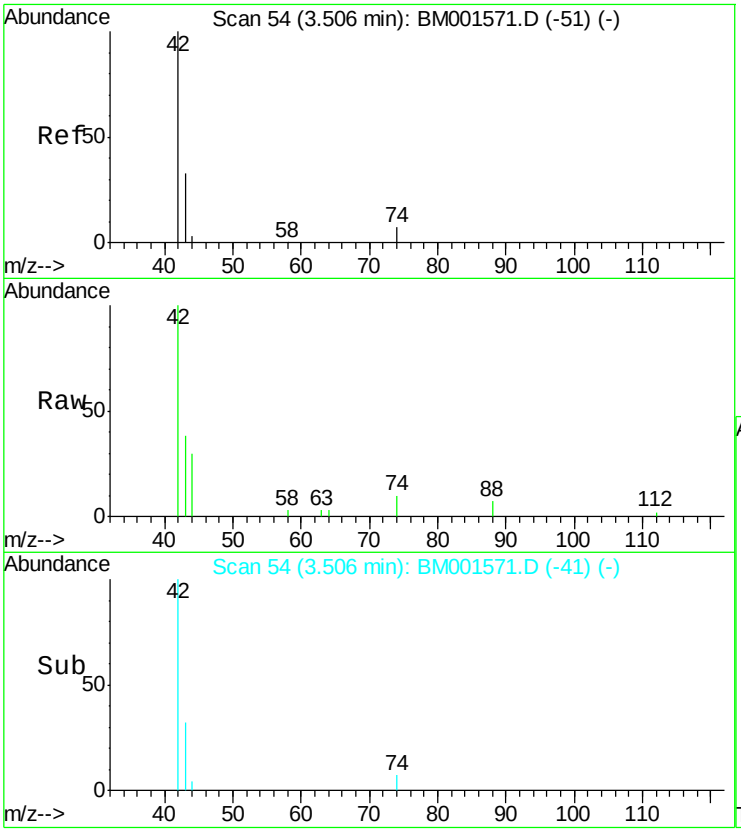


#2
1,4-Dioxane
Concen: 0.91 ng
RT: 3.21 min Scan# 35
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

Tgt Ion: 88 Resp: 2544

Ion	Ratio	Lower	Upper
88	100		
58	82.6	66.1	99.1
43	40.4	32.3	48.5

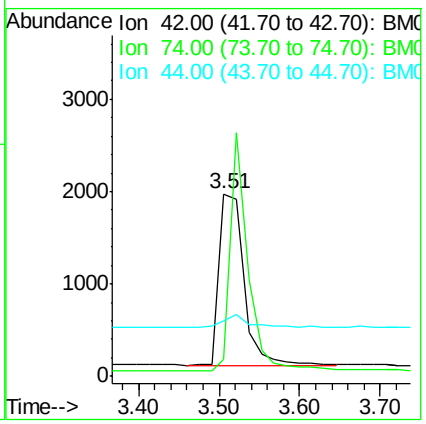




#3
n-Nitrosodimethylamine
Concen: 0.96 ng
RT: 3.51 min Scan# 54
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

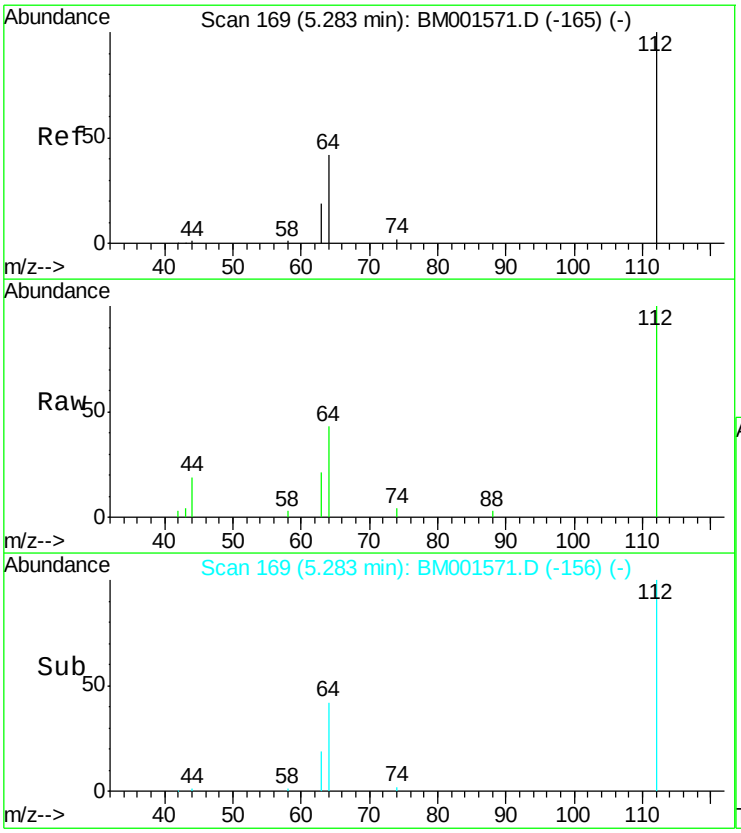
Tgt Ion: 42 Resp: 4004

Ion	Ratio	Lower	Upper
42	100		
74	96.5	77.2	115.8
44	9.3	7.4	11.2



Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

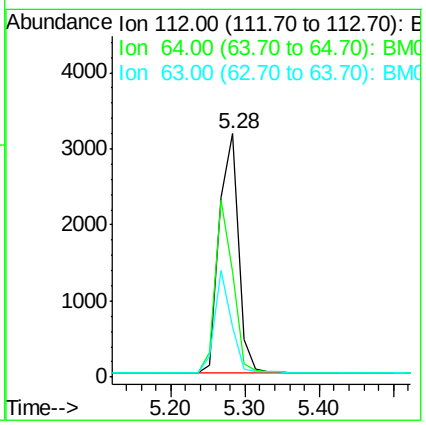
Manual Integrations APPROVED
apatel
6/8/2015 2:47:26 PM

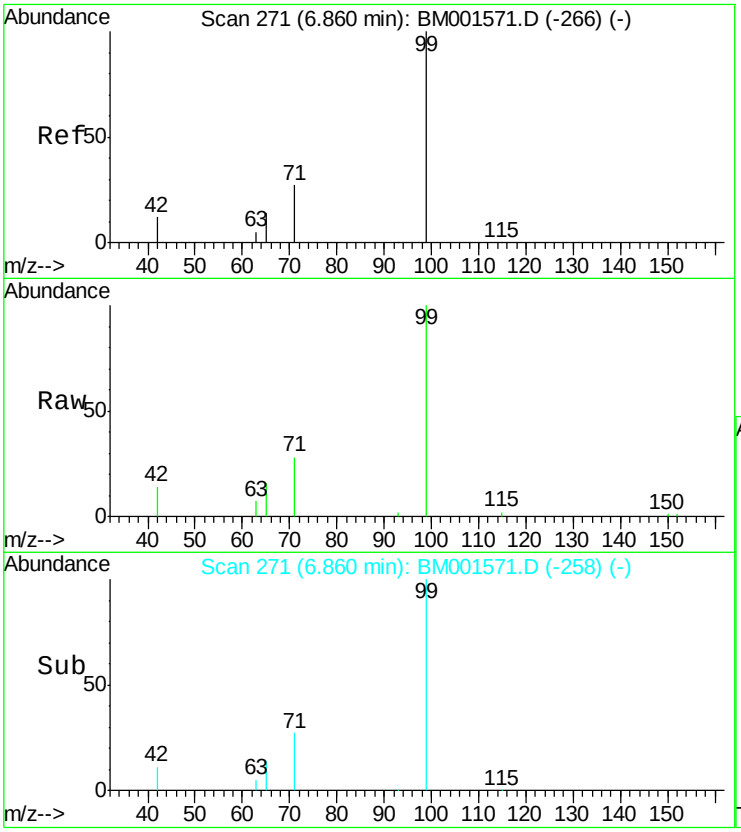


#4
2-Fluorophenol
Concen: 0.94 ng
RT: 5.28 min Scan# 169
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

Tgt Ion:112 Resp: 5696

Ion	Ratio	Lower	Upper
112	100		
64	66.6	53.3	79.9
63	37.1	29.7	44.5

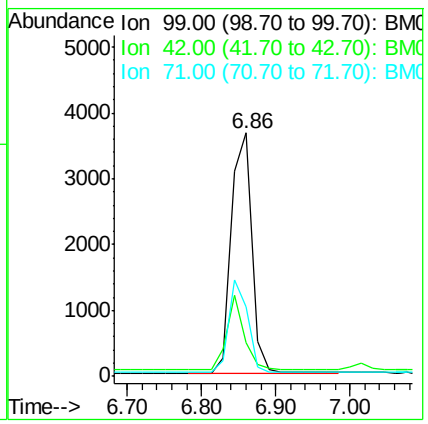




#5
Phenol-d6
Concen: 0.94 ng
RT: 6.86 min Scan# 271
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

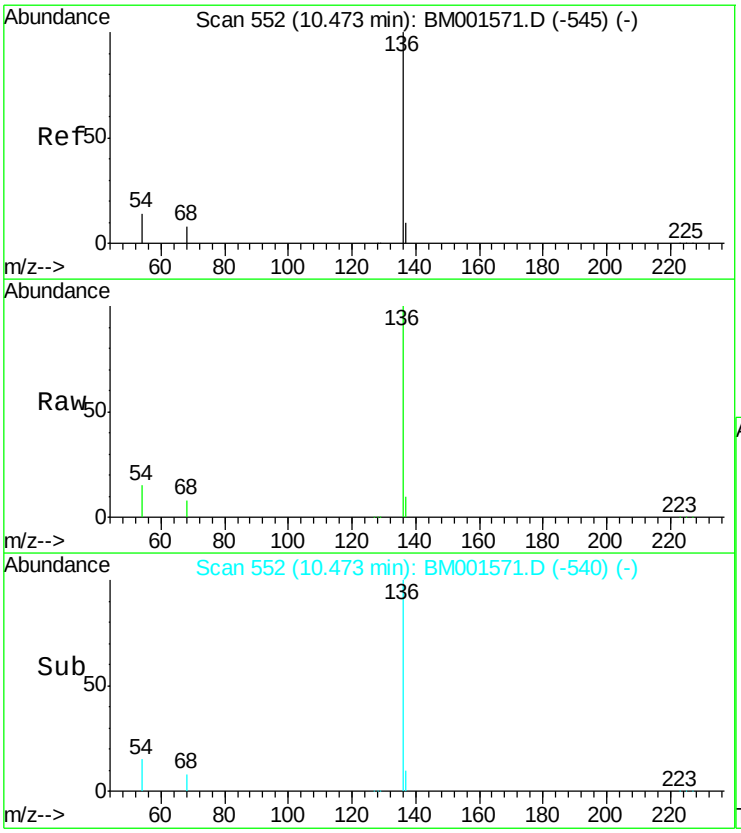
Tgt Ion: 99 Resp: 7012

Ion	Ratio	Lower	Upper
99	100		
42	26.8	21.4	32.2
71	36.2	29.0	43.4



Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

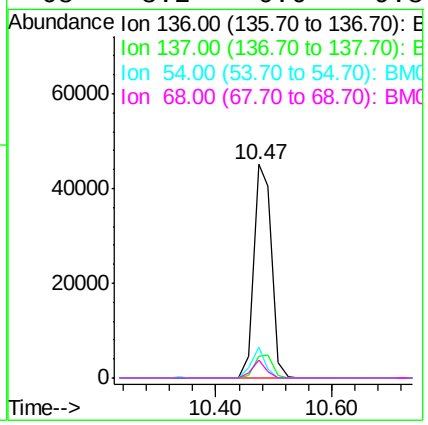
Manual Integrations APPROVED
apatel
6/8/2015 2:47:26 PM

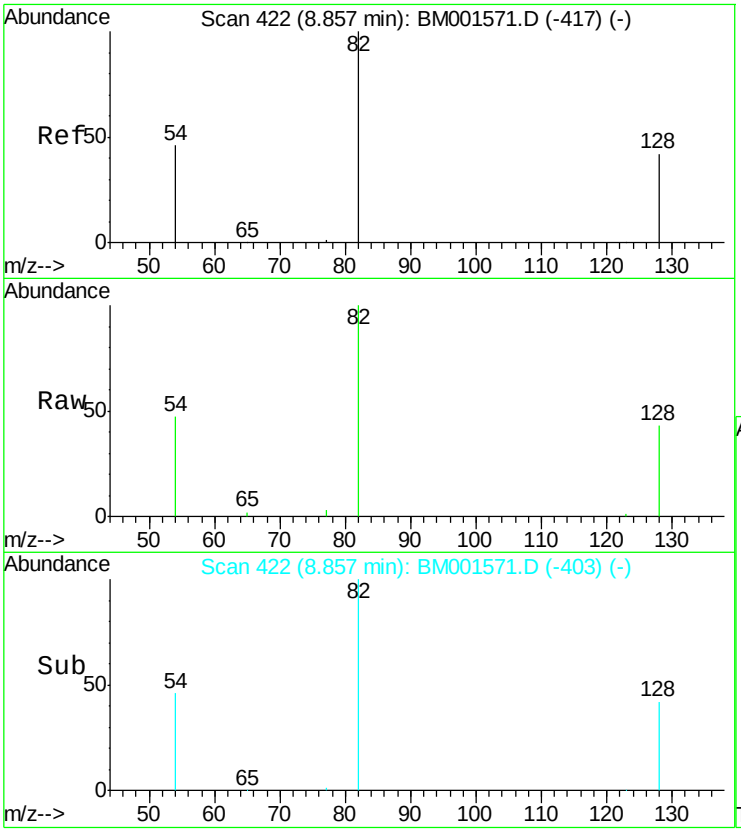


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.47 min Scan# 552
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

Tgt Ion:136 Resp: 96076

Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.1	12.1
54	14.6	11.7	17.5
68	8.2	6.6	9.8

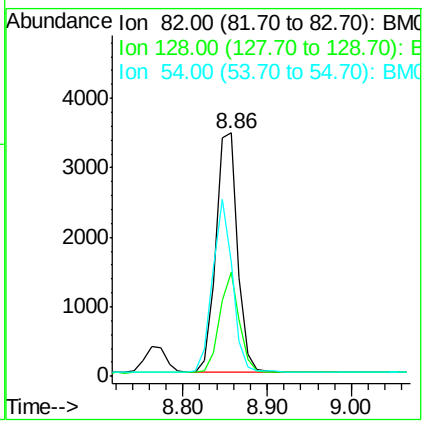




#7
Nitrobenzene-d5
Concen: 0.92 ng
RT: 8.86 min Scan# 422
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

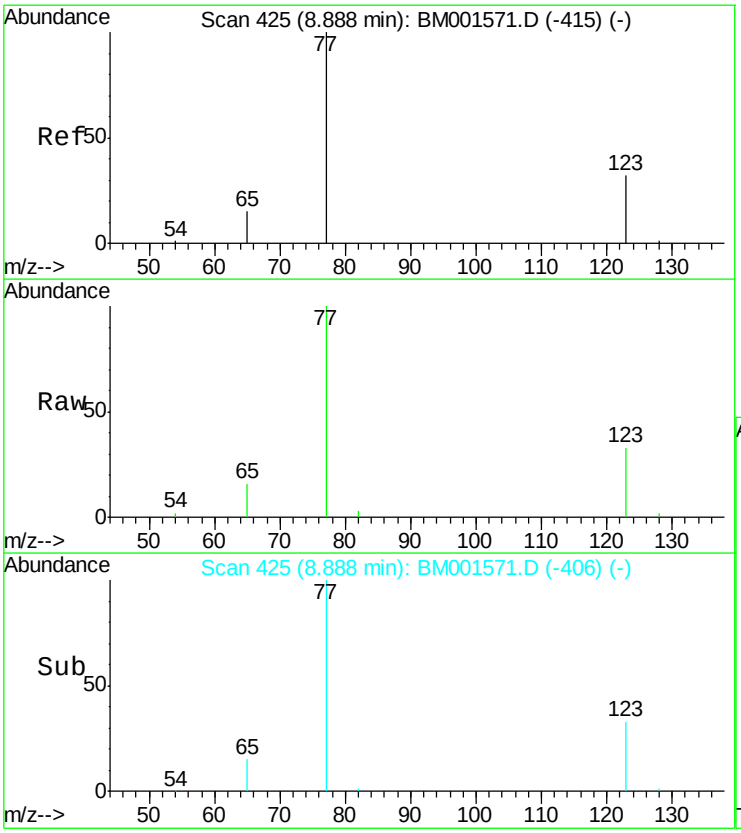
Tgt Ion: 82 Resp: 6240

Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.1	51.1
54	47.2	37.8	56.6



Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

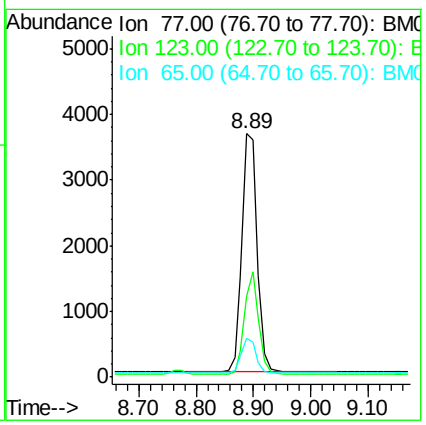
Manual Integrations APPROVED
apatel
6/8/2015 2:47:26 PM

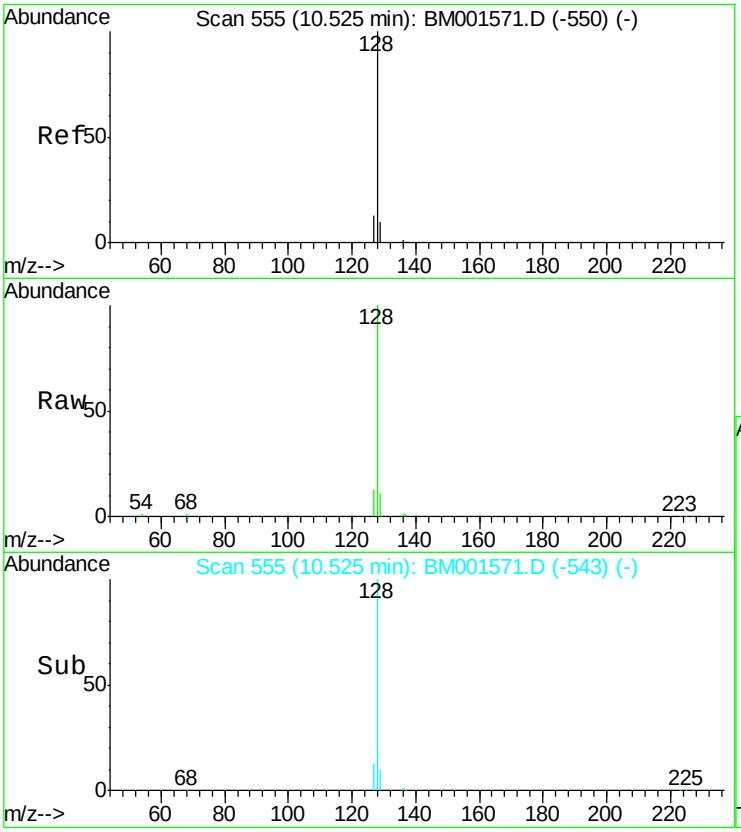


#8
Nitrobenzene
Concen: 0.94 ng
RT: 8.89 min Scan# 425
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

Tgt Ion: 77 Resp: 6698

Ion	Ratio	Lower	Upper
77	100		
123	39.6	31.7	47.5
65	14.2	11.4	17.0

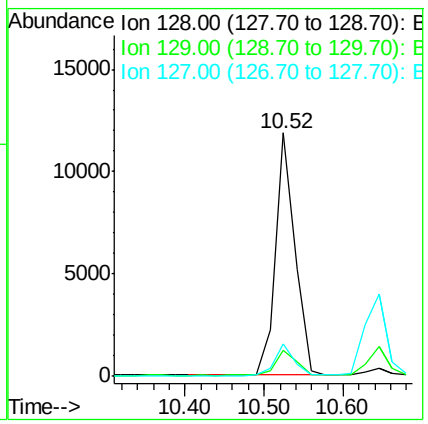




#9
Naphthalene
Concen: 0.99 ng
RT: 10.52 min Scan# 555
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

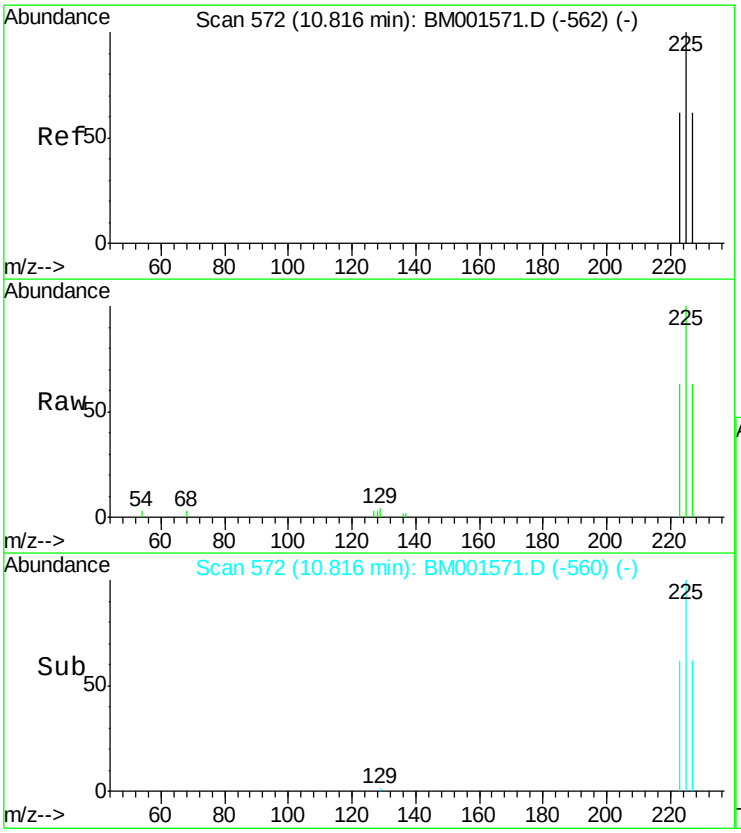
Tgt Ion:128 Resp: 20052

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.4	10.7	16.1



Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

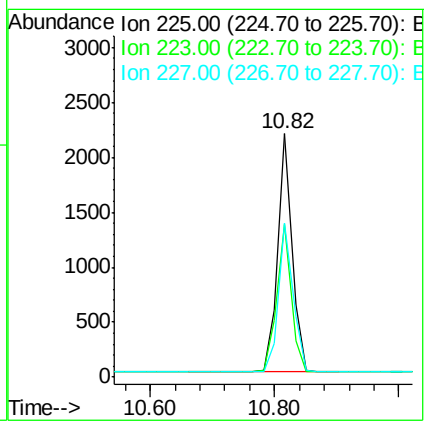
Manual Integrations APPROVED
apatel
6/8/2015 2:47:26 PM

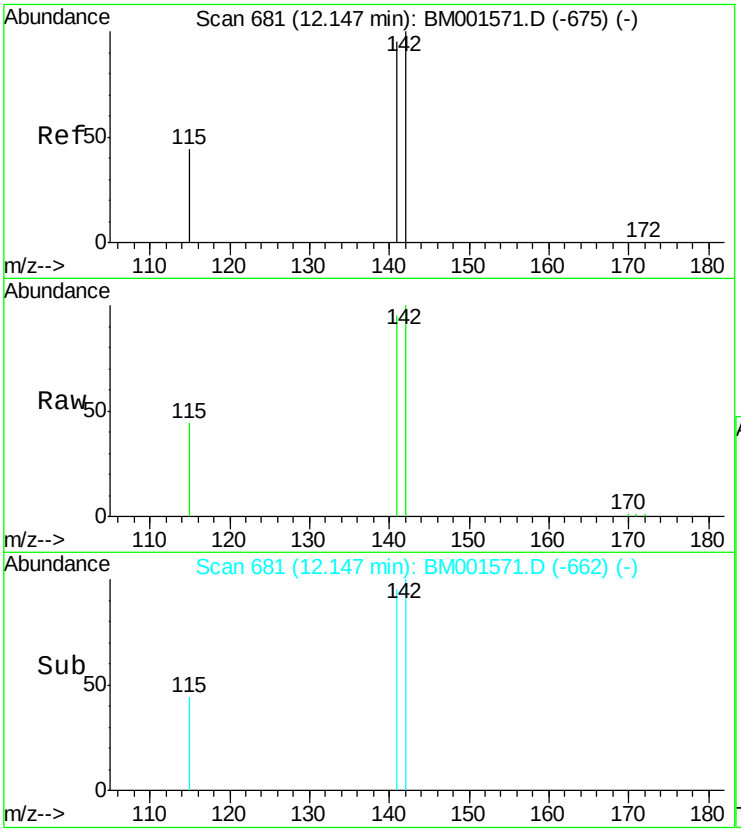


#10
Hexachlorobutadiene
Concen: 0.99 ng
RT: 10.82 min Scan# 572
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

Tgt Ion:225 Resp: 3466

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.4	75.6
227	63.5	50.8	76.2

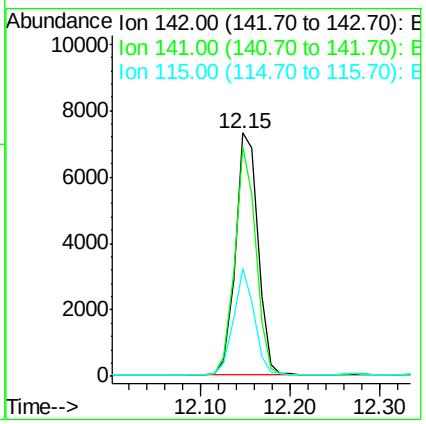




#11
2-Methylnaphthalene
Concen: 0.99 ng
RT: 12.15 min Scan# 681
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

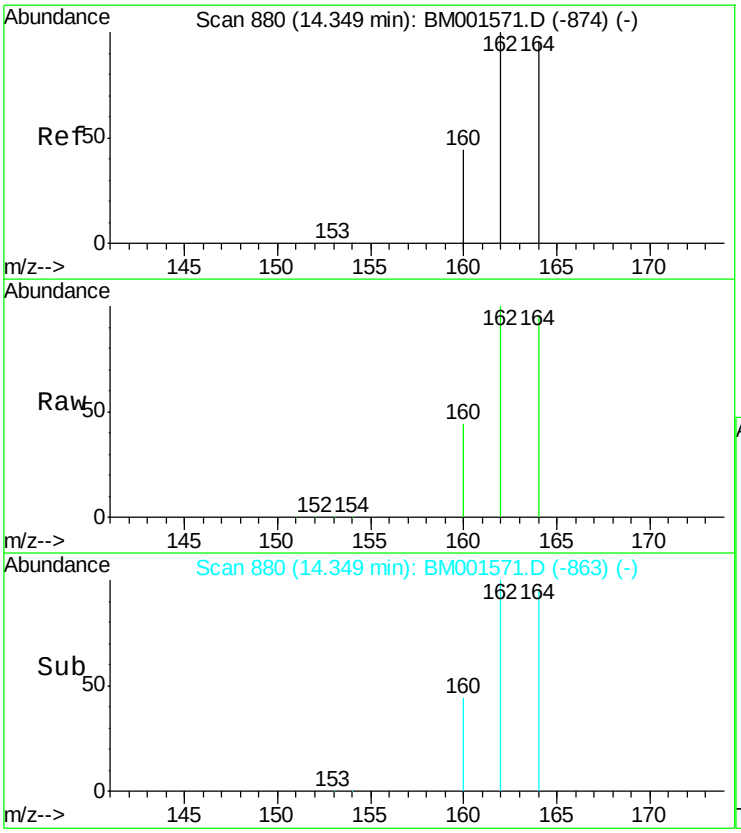
Tgt Ion:142 Resp: 12586

Ion	Ratio	Lower	Upper
142	100		
141	94.5	75.6	113.4
115	44.4	35.5	53.3



Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

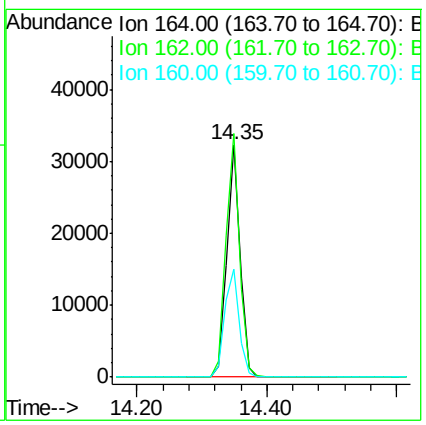
Manual Integrations APPROVED
apatel
6/8/2015 2:47:26 PM

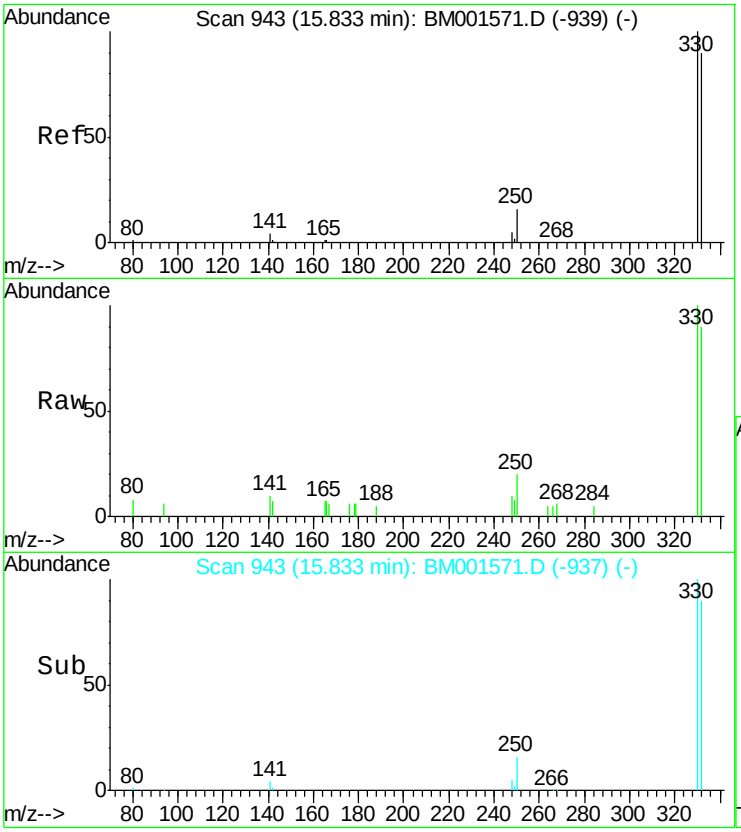


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.35 min Scan# 880
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

Tgt Ion:164 Resp: 46750

Ion	Ratio	Lower	Upper
164	100		
162	104.7	83.8	125.6
160	46.4	37.1	55.7

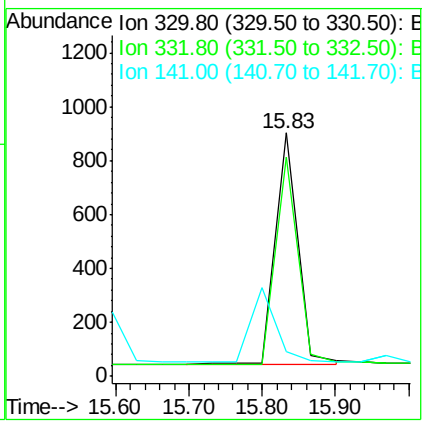




#13
2,4,6-Tribromophenol
Concen: 0.95 ng
RT: 15.83 min Scan# 943
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

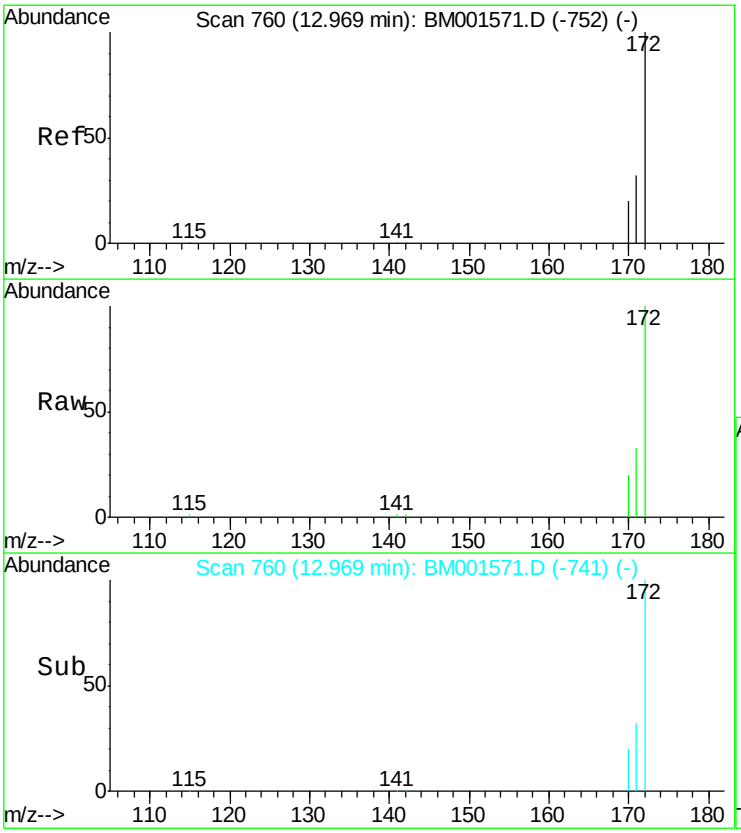
Tgt Ion:330 Resp: 1845

Ion	Ratio	Lower	Upper
330	100		
332	90.0	72.0	108.0
141	0.0	0.0	0.0



Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

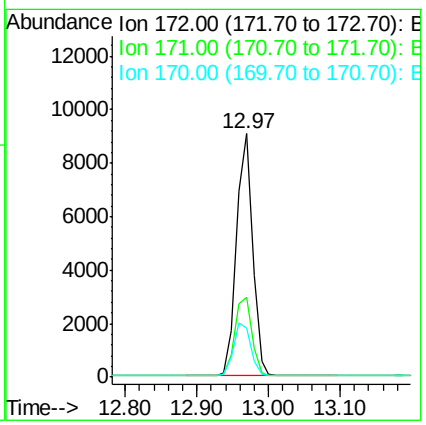
Manual Integrations APPROVED
apatel
6/8/2015 2:47:26 PM

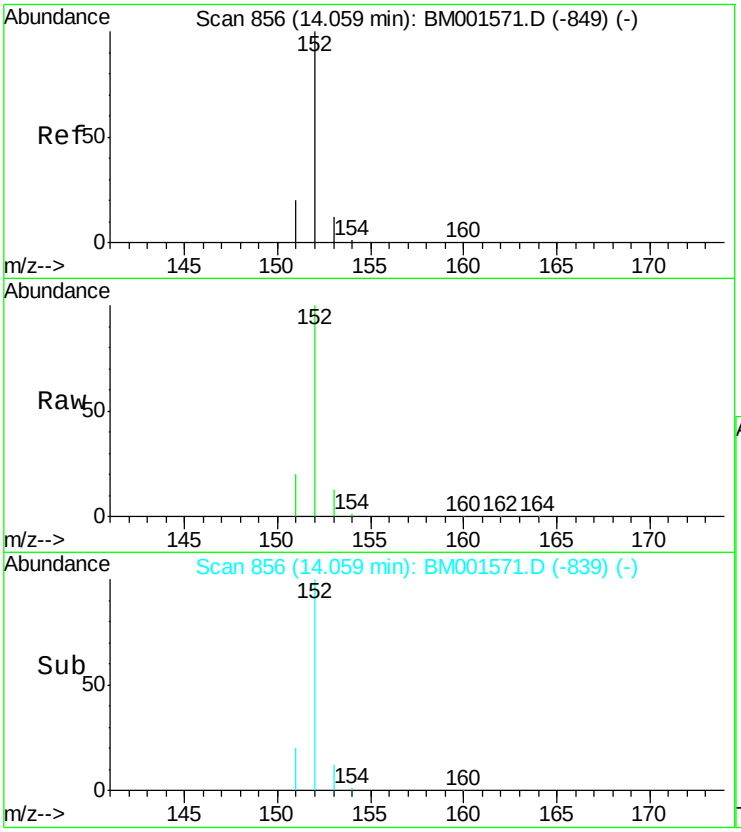


#14
2-Fluorobiphenyl
Concen: 1.00 ng
RT: 12.97 min Scan# 760
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

Tgt Ion:172 Resp: 13852

Ion	Ratio	Lower	Upper
172	100		
171	32.7	26.2	39.2
170	20.1	16.1	24.1

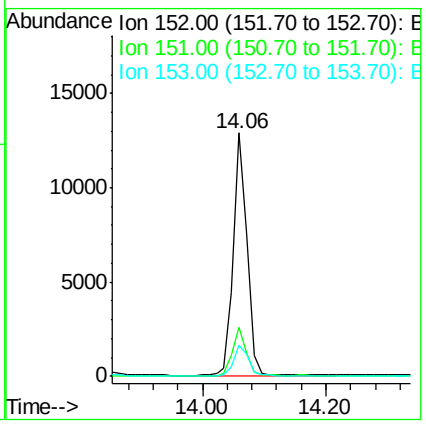




#15
Acenaphthylene
Concen: 0.96 ng
RT: 14.06 min Scan# 856
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

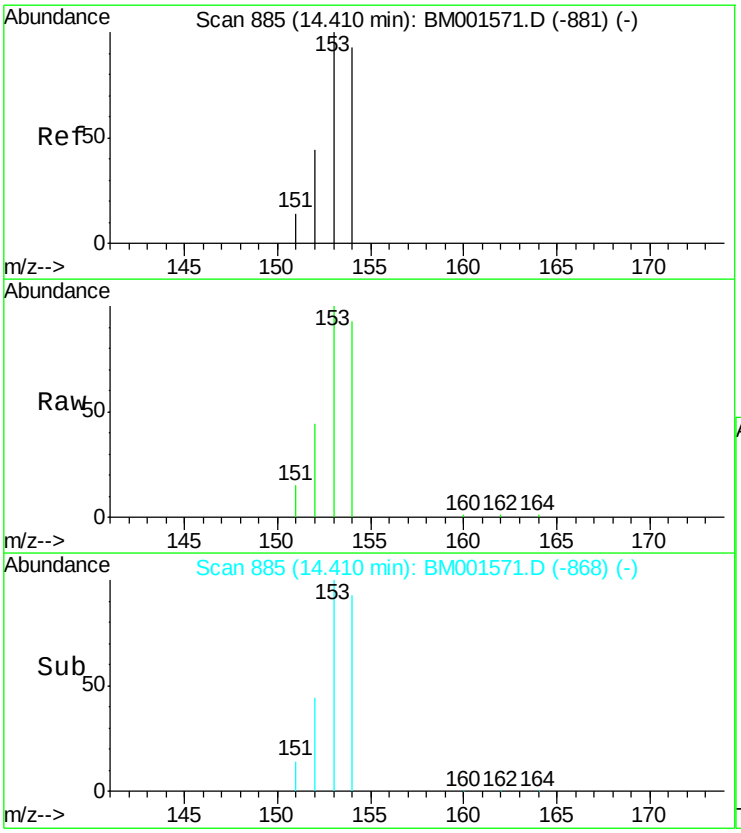
Tgt Ion:152 Resp: 19454

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.2	22.8
153	12.9	10.3	15.5



Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

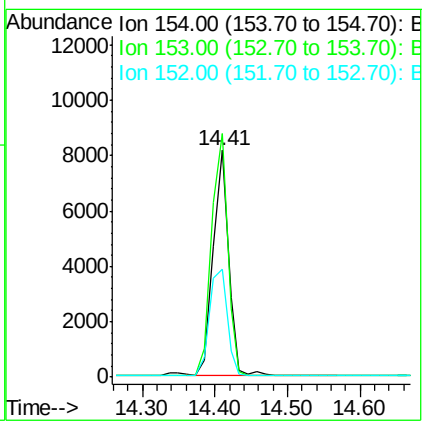
Manual Integrations APPROVED
apatel
6/8/2015 2:47:26 PM

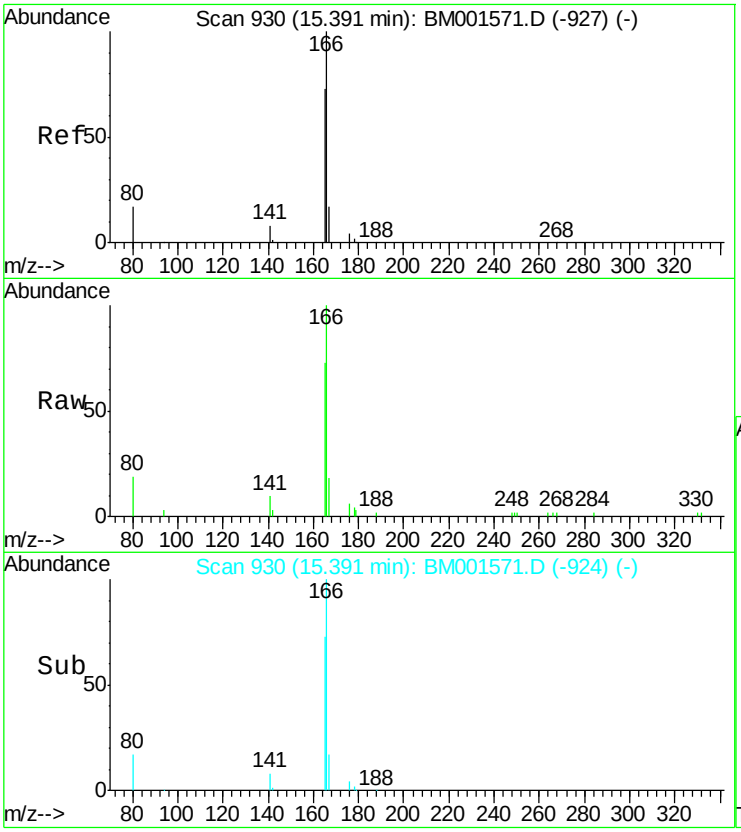


#16
Acenaphthene
Concen: 0.99 ng
RT: 14.41 min Scan# 885
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

Tgt Ion:154 Resp: 12178

Ion	Ratio	Lower	Upper
154	100		
153	111.4	89.1	133.7
152	54.0	43.2	64.8

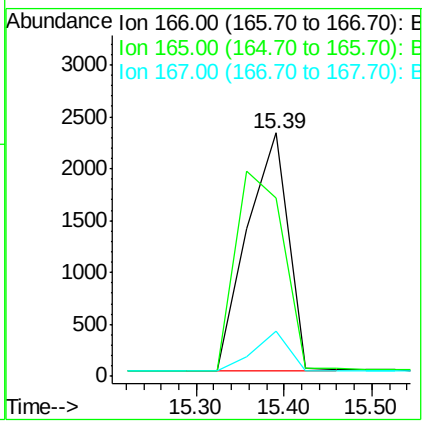




#17
Fluorene
Concen: 0.79 ng
RT: 15.39 min Scan# 930
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

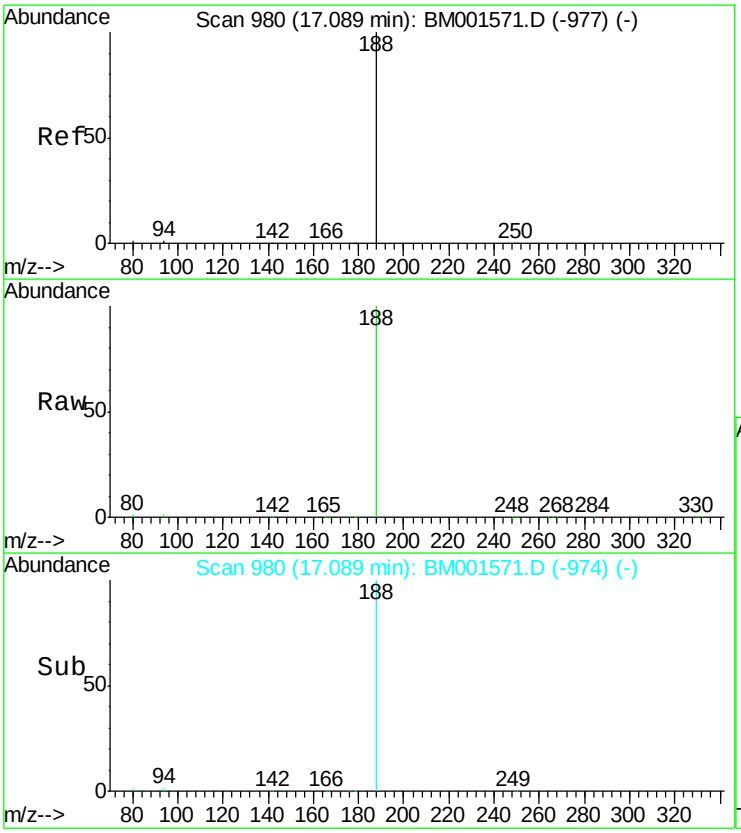
Tgt Ion:166 Resp: 7580

Ion	Ratio	Lower	Upper
166	100		
165	0.0	0.0	0.0
167	14.1	11.3	16.9



Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

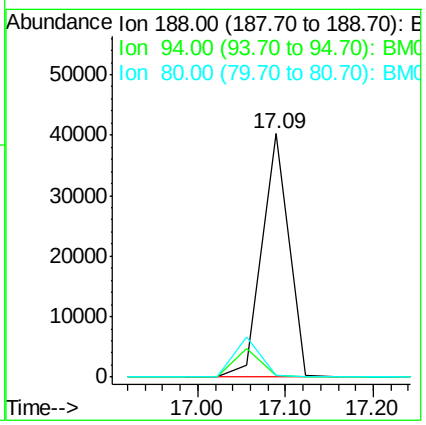
Manual Integrations APPROVED
apatel
6/8/2015 2:47:26 PM

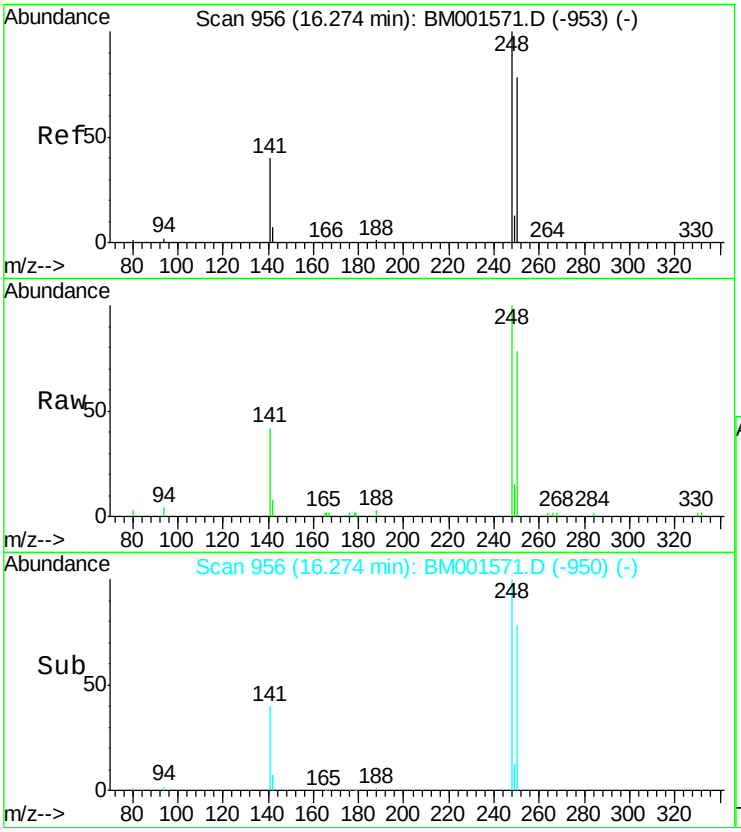


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.09 min Scan# 980
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

Tgt Ion:188 Resp: 86874

Ion	Ratio	Lower	Upper
188	100		
94	0.9	0.7	1.1
80	0.8	0.6	1.0

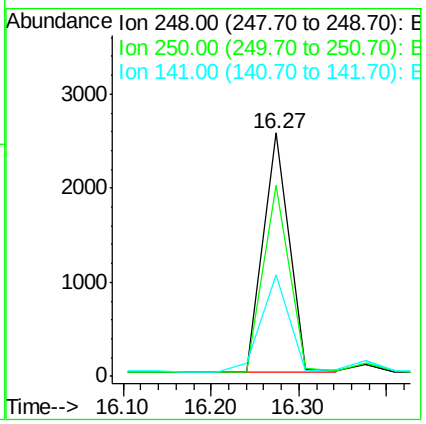




#19
4-Bromophenyl-phenylether
Concen: 1.43 ng
RT: 16.27 min Scan# 956
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

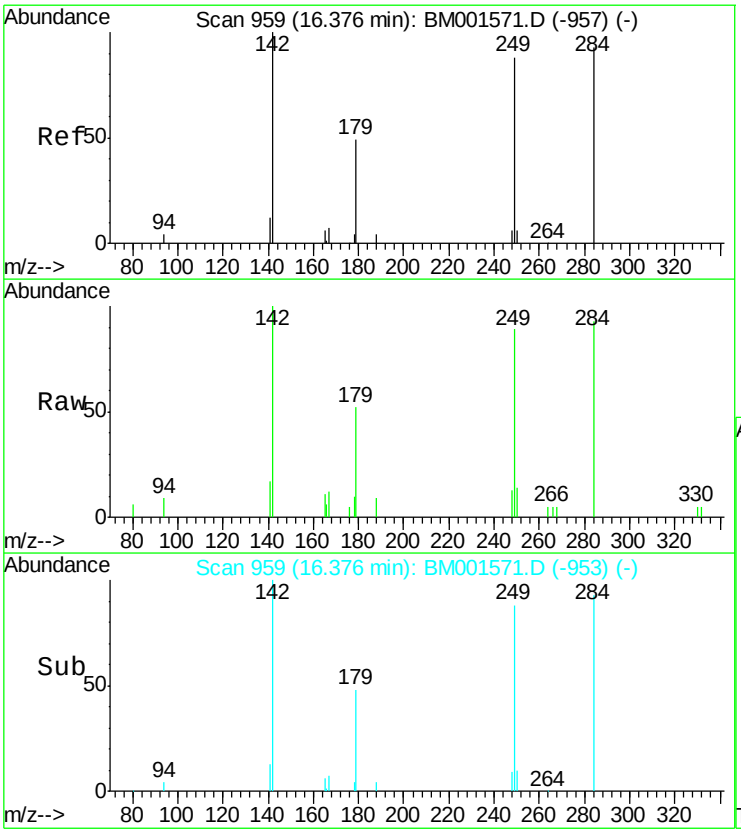
Tgt Ion:248 Resp: 5248

Ion	Ratio	Lower	Upper
248	100		
250	78.9	63.1	94.7
141	43.8	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

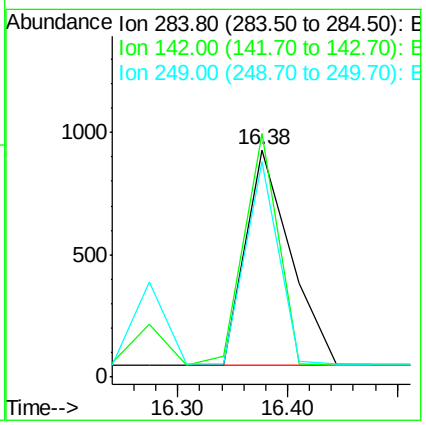
Manual Integrations APPROVED
apatel
6/8/2015 2:47:26 PM

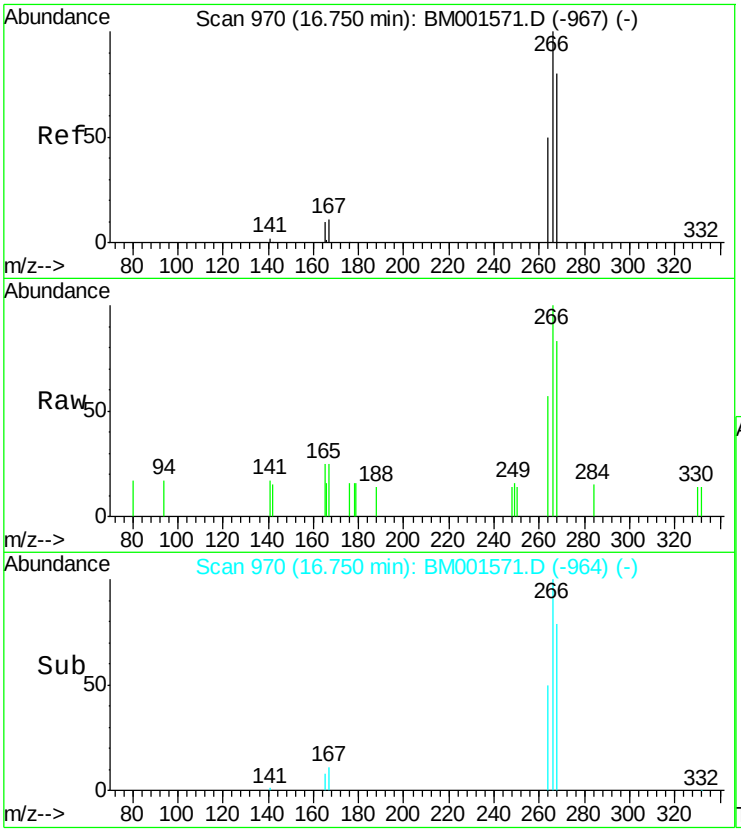


#20
Hexachlorobenzene
Concen: 1.30 ng
RT: 16.38 min Scan# 959
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

Tgt Ion:284 Resp: 2486

Ion	Ratio	Lower	Upper
284	100		
142	93.8	64.2	96.2
249	98.0	55.4	83.0#

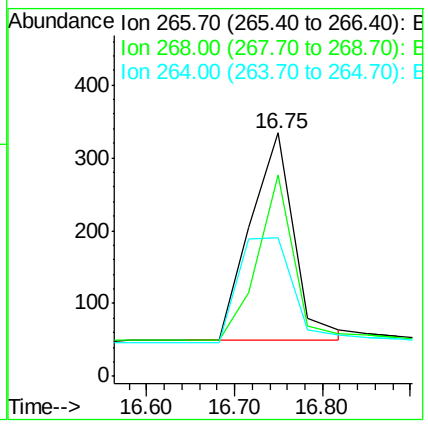




#21
Pentachlorophenol
Concen: 0.98 ng
RT: 16.75 min Scan# 970
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

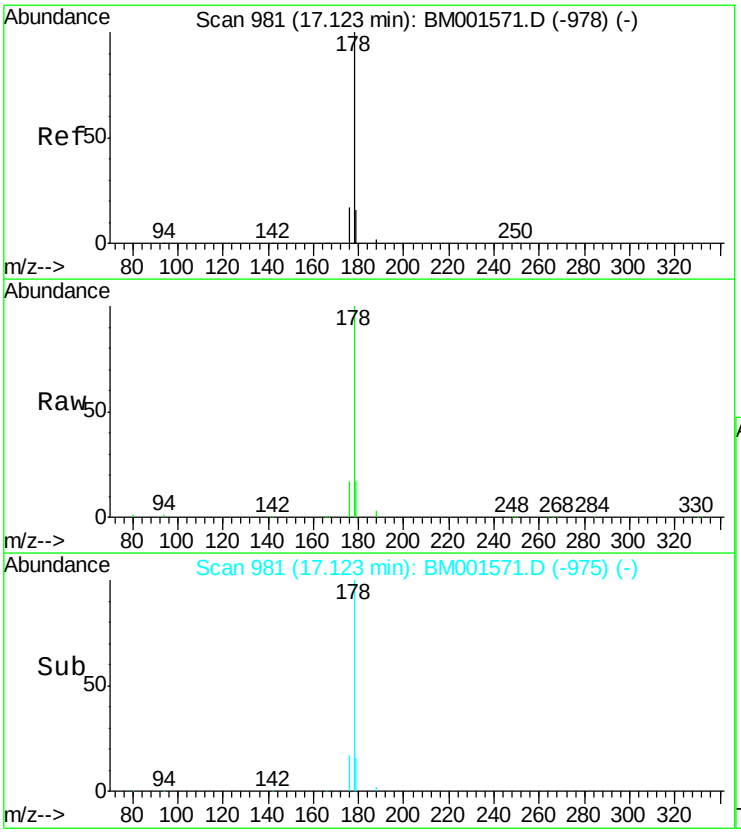
Tgt Ion:266 Resp: 989

Ion	Ratio	Lower	Upper
266	100		
268	82.9	66.3	99.5
264	56.9	45.5	68.3



Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

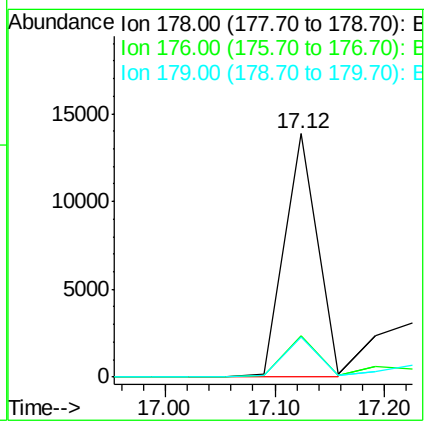
Manual Integrations APPROVED
apatel
6/8/2015 2:47:26 PM

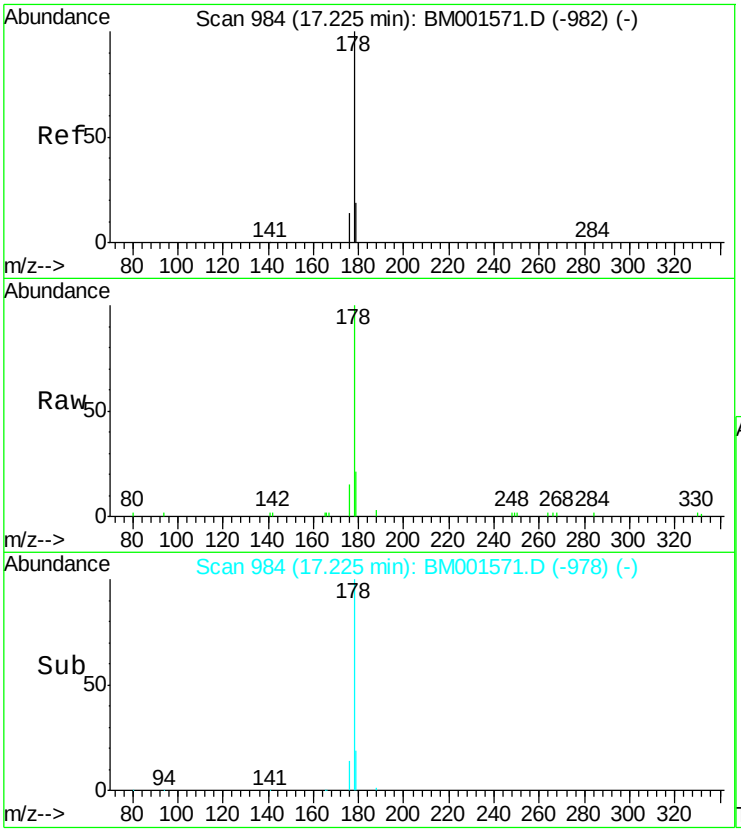


#22
Phenanthrene
Concen: 1.11 ng
RT: 17.12 min Scan# 981
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

Tgt Ion:178 Resp: 28564

Ion	Ratio	Lower	Upper
178	100		
176	16.9	13.5	20.3
179	16.6	13.3	19.9

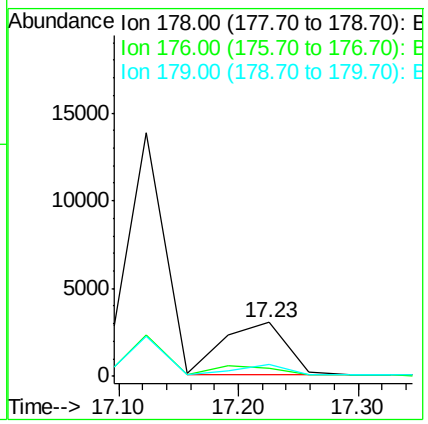




#23
Anthracene
Concen: 0.94 ng m
RT: 17.23 min Scan# 984
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

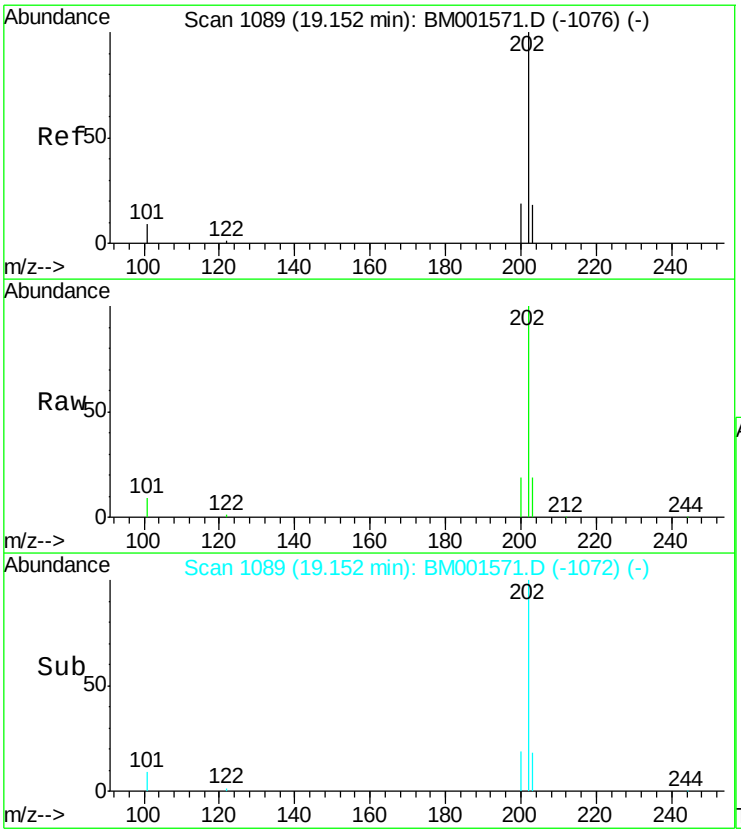
Tgt Ion:178 Resp: 10911

Ion	Ratio	Lower	Upper
178	100		
176	61.4	45.9	68.9
179	44.6	33.3	49.9



Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

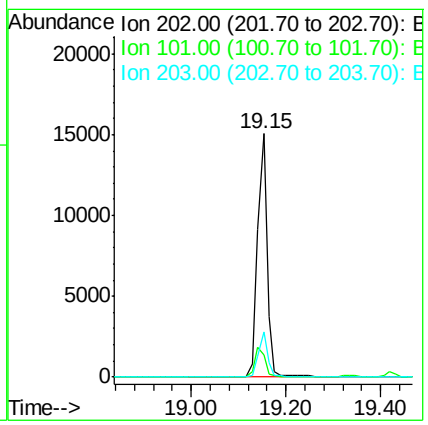
Manual Integrations APPROVED
apatel
6/8/2015 2:47:26 PM

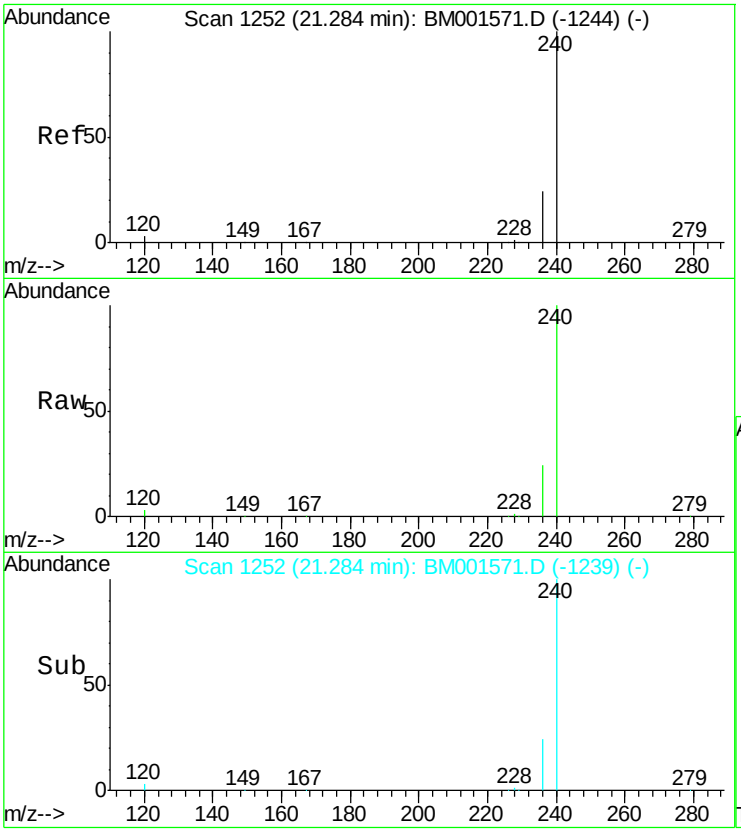


#24
Fluoranthene
Concen: 1.15 ng
RT: 19.15 min Scan# 1089
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

Tgt Ion:202 Resp: 21203

Ion	Ratio	Lower	Upper
202	100		
101	12.5	10.0	15.0
203	17.4	13.9	20.9

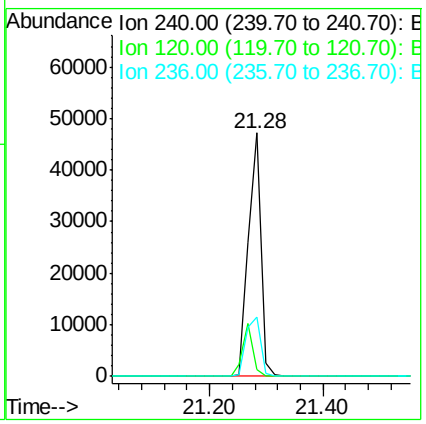




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.28 min Scan# 1252
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

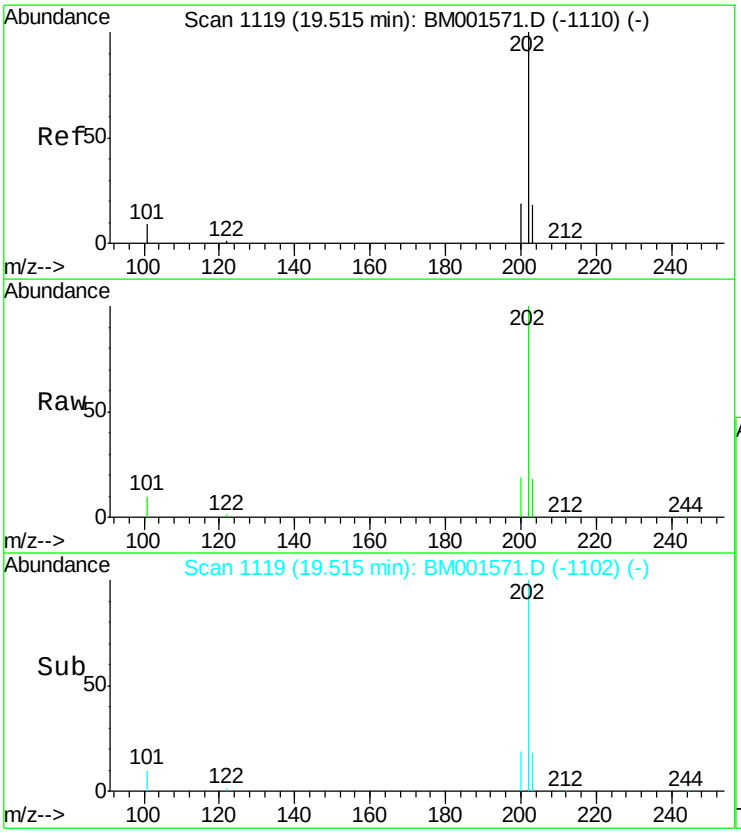
Tgt Ion:240 Resp: 71143

Ion	Ratio	Lower	Upper
240	100		
120	2.7	2.2	3.2
236	24.4	19.5	29.3



Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

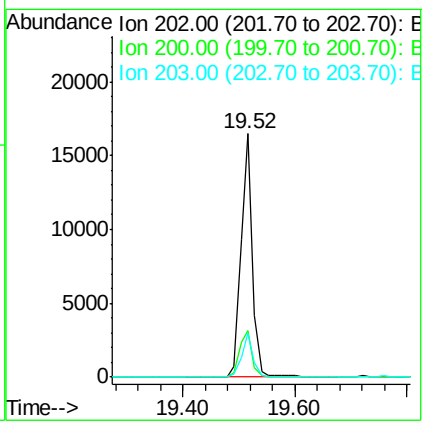
Manual Integrations APPROVED
apatel
6/8/2015 2:47:26 PM

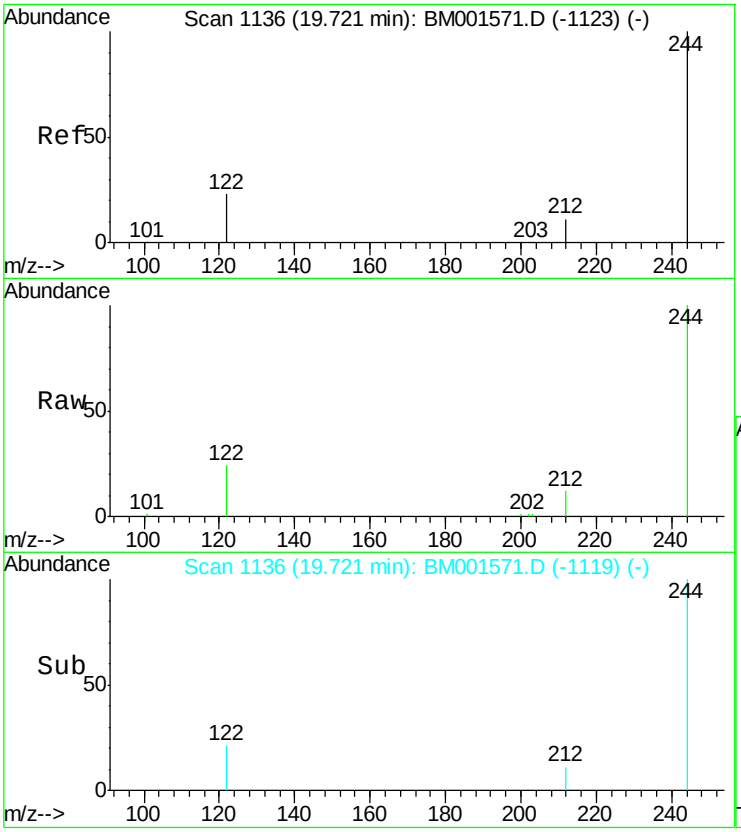


#26
Pyrene
Concen: 1.03 ng
RT: 19.52 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

Tgt Ion:202 Resp: 22586

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	24.8
203	17.4	13.9	20.9

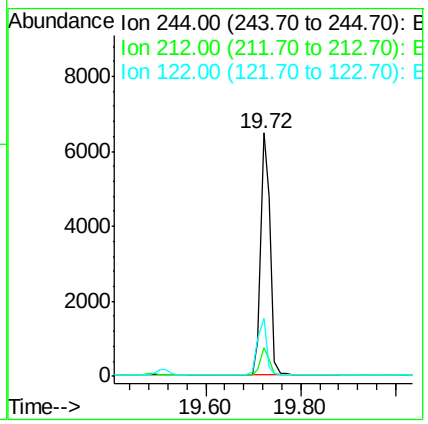




#27
Terphenyl-d14
Concen: 1.03 ng
RT: 19.72 min Scan# 1136
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

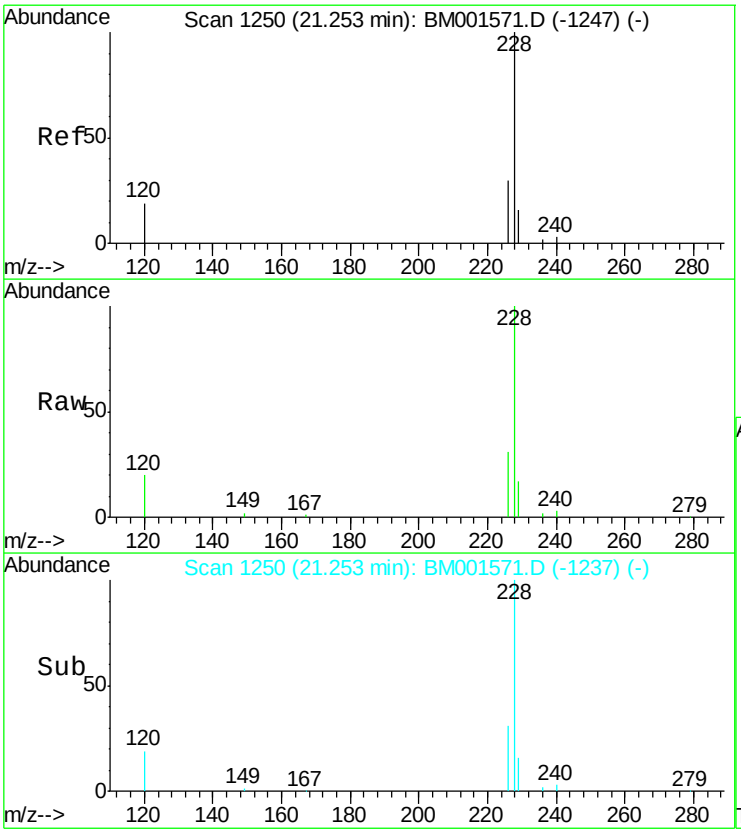
Tgt Ion:244 Resp: 9110

Ion	Ratio	Lower	Upper
244	100		
212	12.0	9.6	14.4
122	23.7	19.0	28.4



Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

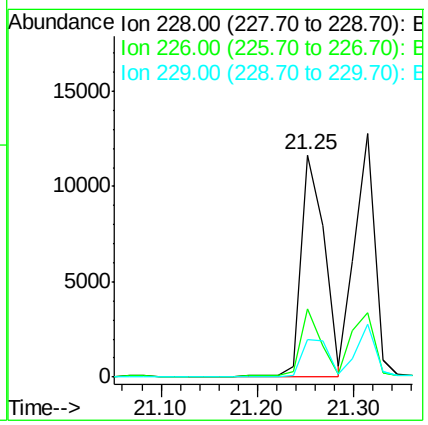
Manual Integrations APPROVED
apatel
6/8/2015 2:47:26 PM

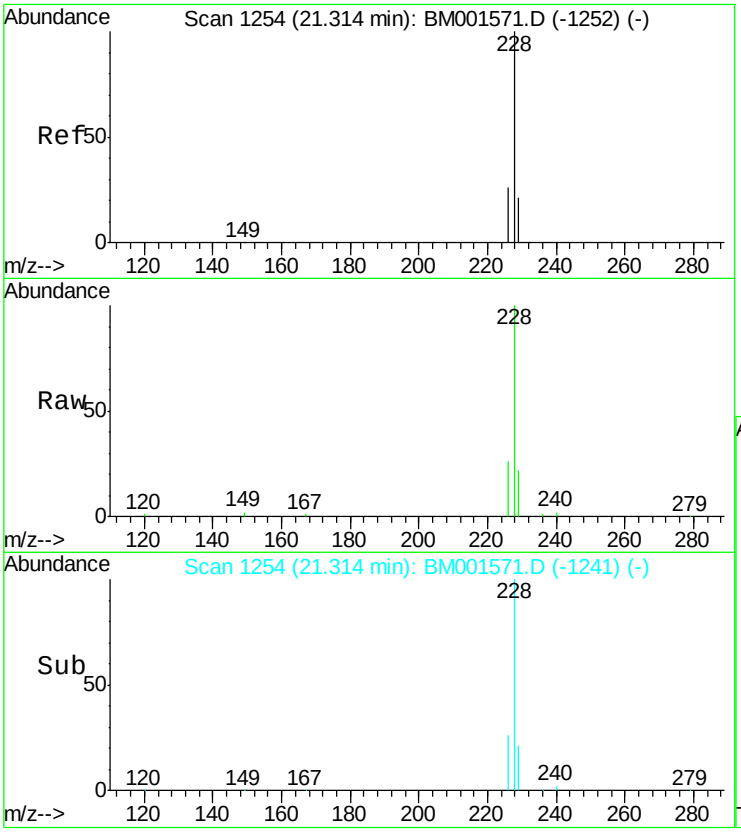


#28
Benzo(a)anthracene
Concen: 0.96 ng
RT: 21.25 min Scan# 1250
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

Tgt Ion:228 Resp: 19067

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.8	37.2
229	16.7	13.4	20.0





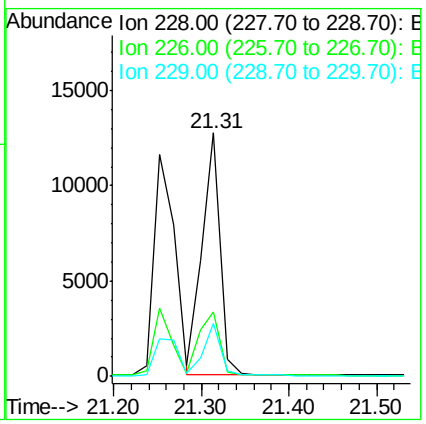
#29
Chrysene
Concen: 1.03 ng
RT: 21.31 min Scan# 1254
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

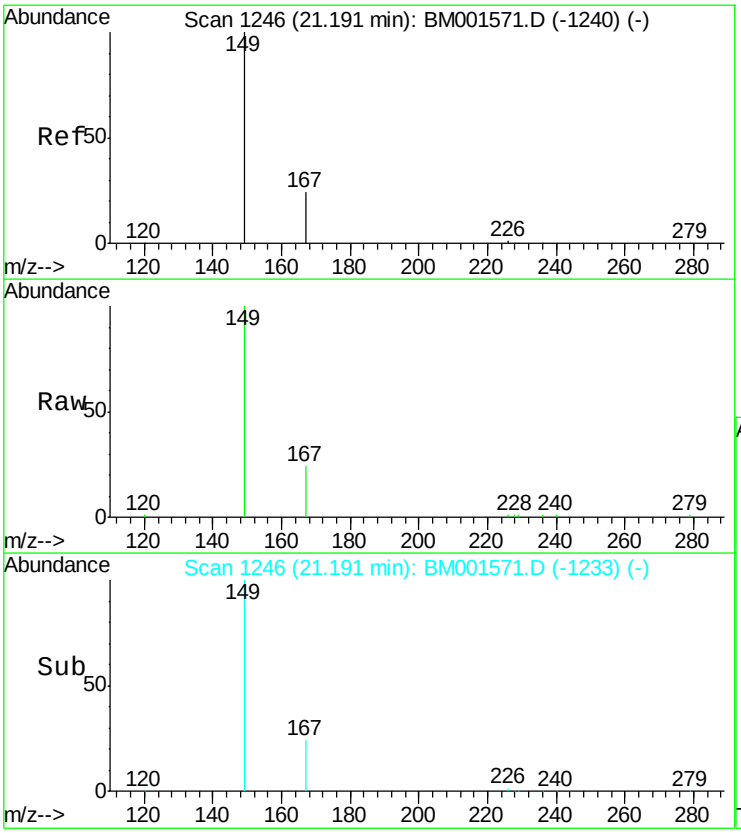
Tgt Ion:228 Resp: 18383

Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.0	31.6
229	21.5	17.2	25.8

Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

Manual Integrations APPROVED
apatel
6/8/2015 2:47:26 PM

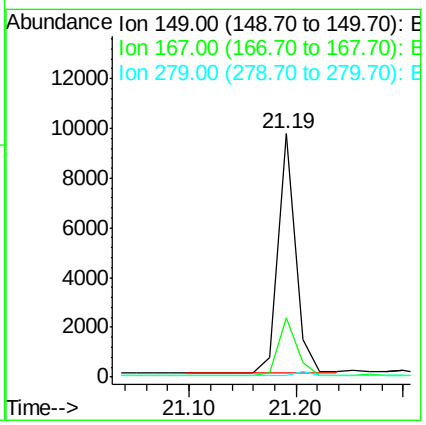


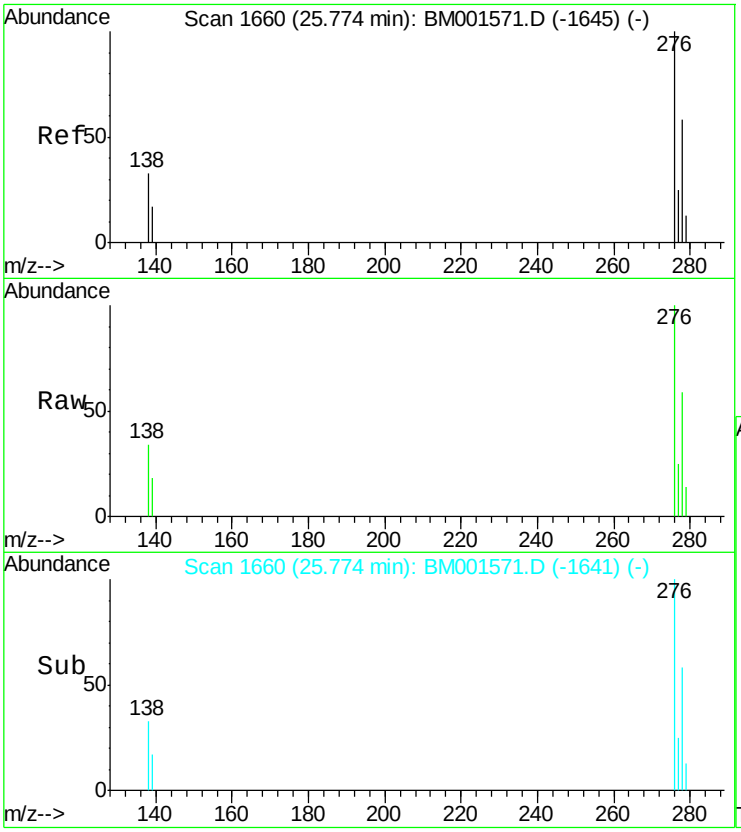


#30
Bis(2-ethylhexyl)phthalate
Concen: 0.77 ng
RT: 21.19 min Scan# 1246
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

Tgt Ion:149 Resp: 10812

Ion	Ratio	Lower	Upper
149	100		
167	25.2	20.2	30.2
279	2.2	1.8	2.6

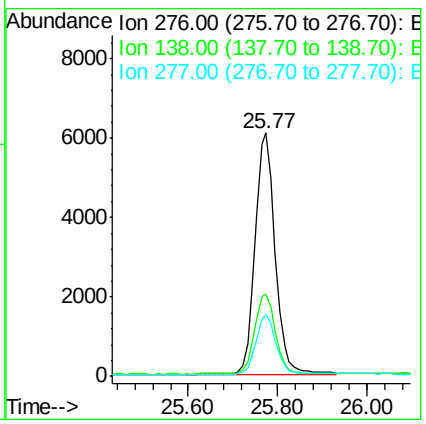




#31
Indeno(1,2,3-cd)pyrene
Concen: 0.97 ng
RT: 25.77 min Scan# 1660
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

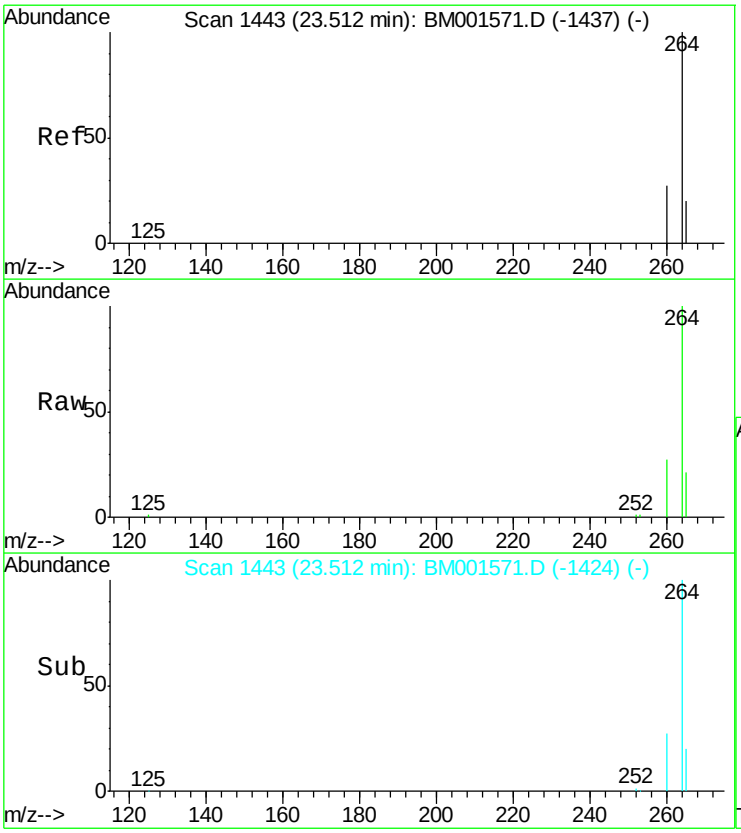
Tgt Ion:276 Resp: 19063

Ion	Ratio	Lower	Upper
276	100		
138	34.9	28.0	42.0
277	24.7	19.7	29.5



Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

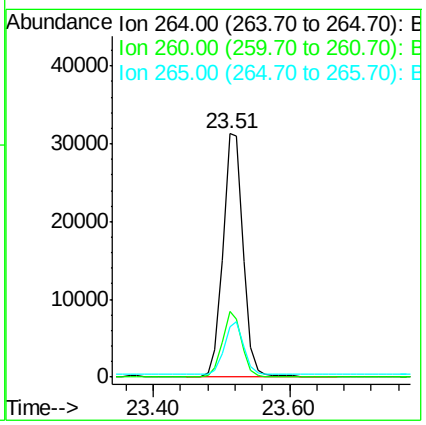
Manual Integrations APPROVED
apatel
6/8/2015 2:47:26 PM

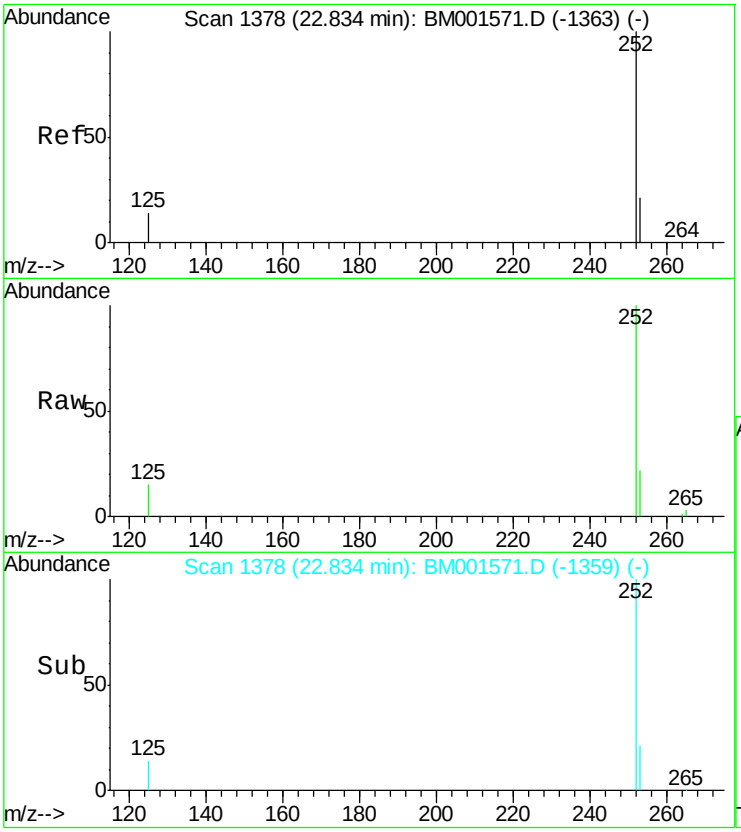


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.51 min Scan# 1443
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

Tgt Ion:264 Resp: 63592

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.6	32.4
265	20.6	16.5	24.7





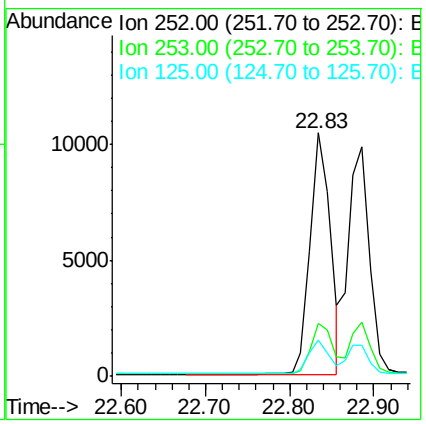
#33
Benzo(b)fluoranthene
Concen: 0.98 ng
RT: 22.83 min Scan# 1378
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

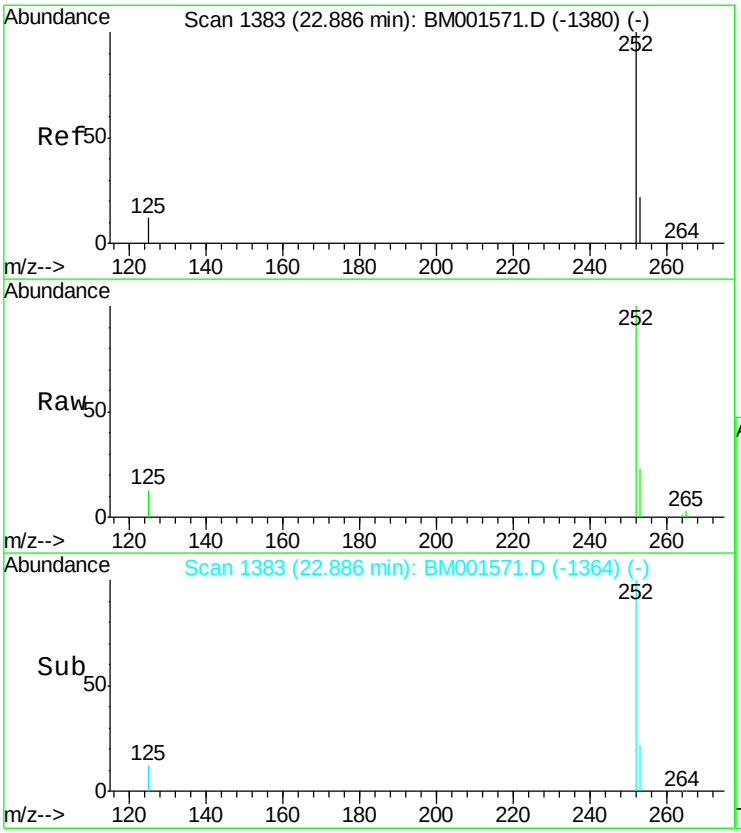
Tgt Ion:252 Resp: 17244

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	14.8	11.8	17.8

Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

Manual Integrations APPROVED
apatel
6/8/2015 2:47:26 PM

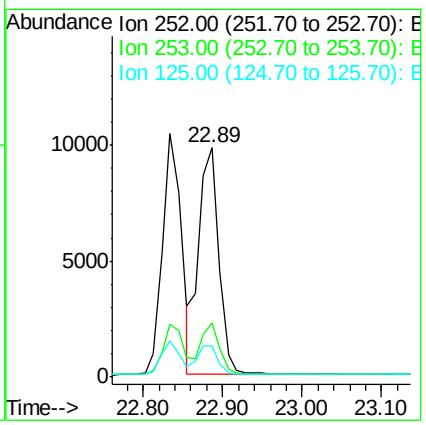


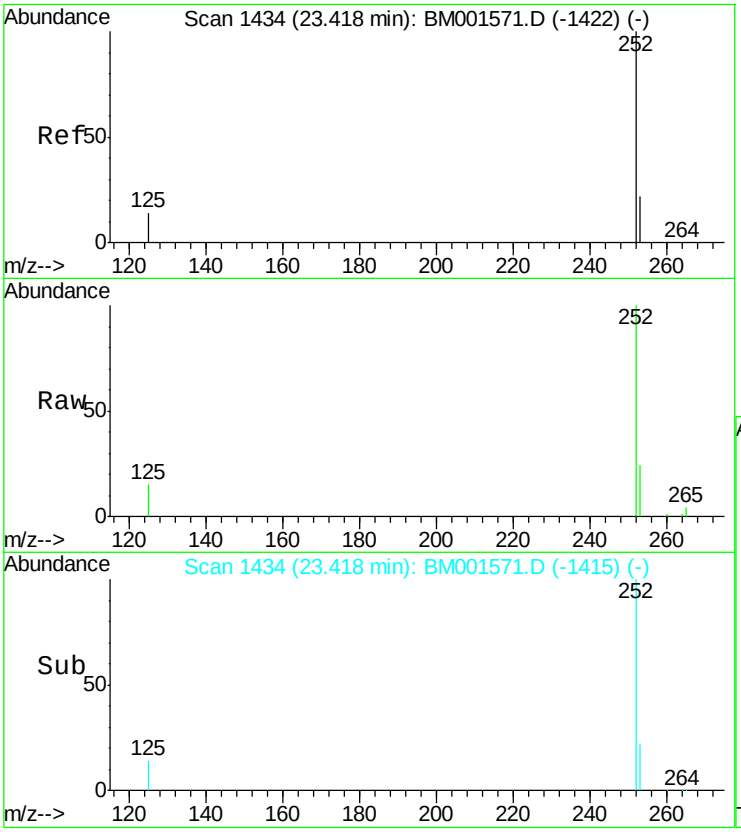


#34
Benzo(k)fluoranthene
Concen: 1.05 ng
RT: 22.89 min Scan# 1383
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

Tgt Ion:252 Resp: 17369

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.8	28.2
125	13.4	10.7	16.1

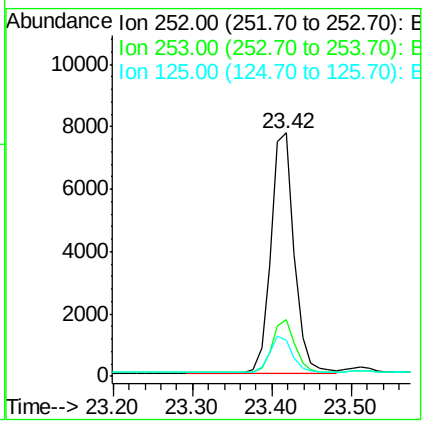




#35
Benzo(a)pyrene
Concen: 0.99 ng
RT: 23.42 min Scan# 1434
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

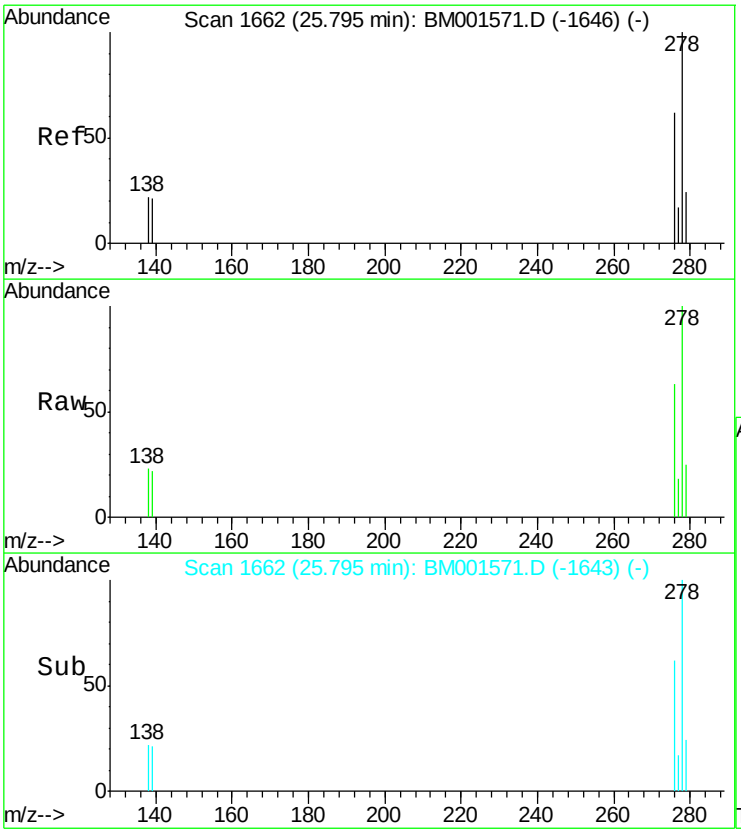
Tgt Ion:252 Resp: 15705

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.8	28.2
125	15.1	12.1	18.1



Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

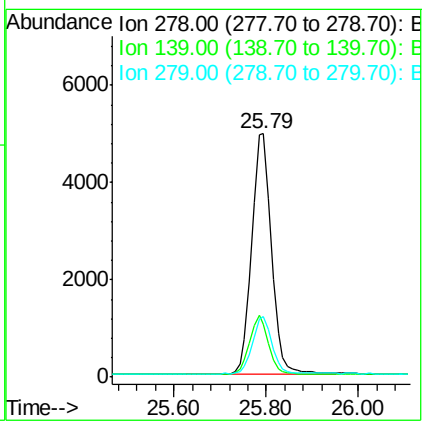
Manual Integrations APPROVED
apatel
6/8/2015 2:47:26 PM

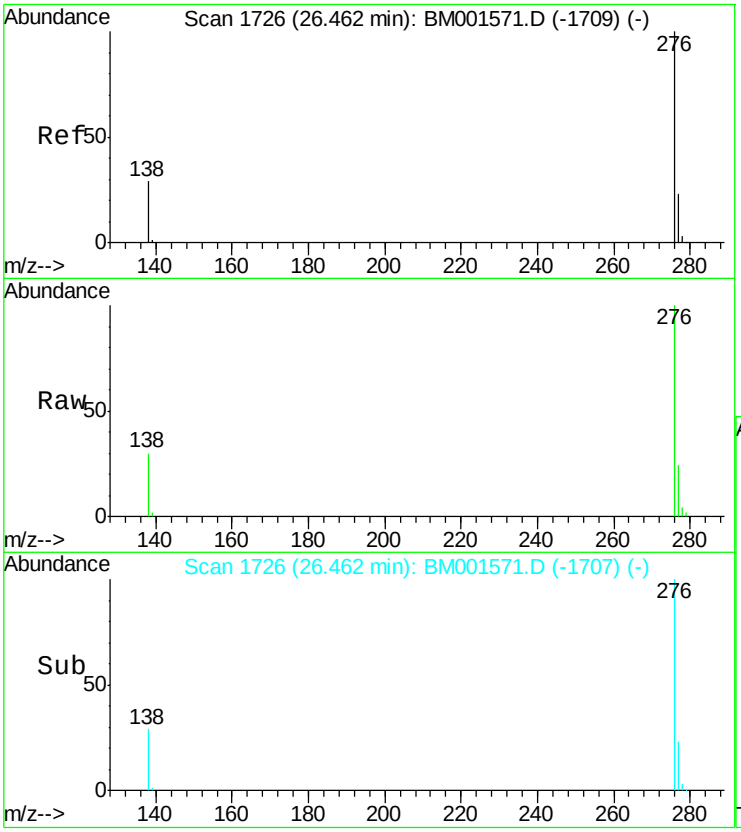


#36
Dibenzo(a,h)anthracene
Concen: 1.00 ng
RT: 25.79 min Scan# 1662
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

Tgt Ion:278 Resp: 14938

Ion	Ratio	Lower	Upper
278	100		
139	21.7	17.4	26.0
279	25.0	20.0	30.0

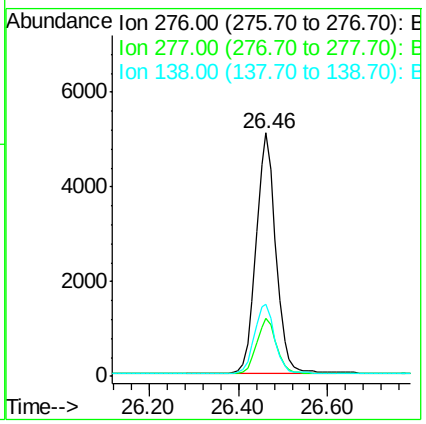




#37
Benzo(g,h,i)perylene
Concen: 1.00 ng
RT: 26.46 min Scan# 1726
Delta R.T. 0.00 min
Lab File: BM001571.D
Acq: 05 Jun 2015 18:25

Tgt Ion:276 Resp: 15716

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	29.6	23.7	35.5



Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

Manual Integrations APPROVED
apatel
6/8/2015 2:47:26 PM