Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
Data File : BM001057.D
Acq On : 18 Apr 2015 13:24
Operator : TP/IZ
Sample : SSTDCCC001
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
apatel
4/20/2015 4:34:25 PM

Quant Time: Apr 20 08:26:36 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM041815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 20 08:05:22 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	15527	5.00	ng		0.00
4) Naphthalene-d8	10.36	136	55714	5.00	ng		0.00
8) Acenaphthene-d10	14.24	164	30057	5.00	ng		0.00
13) Phenanthrene-d10	16.99	188	67323	5.00	ng		0.00
19) Chrysene-d12	21.19	240	57954	5.00	ng		0.00
25) Perylene-d12	23.36	264	52016	5.00	ng		0.00
System Monitoring Compounds							
5) Nitrobenzene-d5	8.74	82	2900	1.00	ng		0.00
9) 2-Fluorobiphenyl	12.86	172	9694	0.98	ng		0.00
21) Terphenyl-d14	19.63	244	7732	1.01	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.08	88	1408m	0.80	ng		
3) n-Nitrosodimethylamine	3.41	42	1579	0.96	ng	#	99
6) Naphthalene	10.41	128	13163	0.99	ng		100
7) 2-Methylnaphthalene	12.04	142	8624	1.01	ng		100
10) Acenaphthylene	13.95	152	13087	0.99	ng		99
11) Acenaphthene	14.29	154	8850	0.95	ng		98
12) Fluorene	15.29	166	10871	1.02	ng		100
14) Hexachlorobenzene	16.31	284	3644	0.98	ng	#	100
15) Pentachlorophenol	16.64	266	603	0.72	ng		94
16) Phenanthrene	17.03	178	17257	0.97	ng		100
17) Anthracene	17.11	178	16037	0.98	ng		100
18) Fluoranthene	19.05	202	18194	0.98	ng		100
20) Pyrene	19.42	202	19067	0.99	ng		100
22) Benzo(a)anthracene	21.17	228	15995	0.95	ng		99
23) Chrysene	21.22	228	17623	1.00	ng		100
24) Indeno(1,2,3-cd)pyrene	25.52	276	17787	0.99	ng		100
26) Benzo(b)fluoranthene	22.70	252	16278	0.97	ng		99
27) Benzo(k)fluoranthene	22.74	252	15970	1.00	ng		99
28) Benzo(a)pyrene	23.25	252	14073	0.98	ng		100
29) Dibenzo(a,h)anthracene	25.53	278	14113	1.00	ng		100
30) Benzo(g,h,i)perylene	26.17	276	15077	0.98	ng		100

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

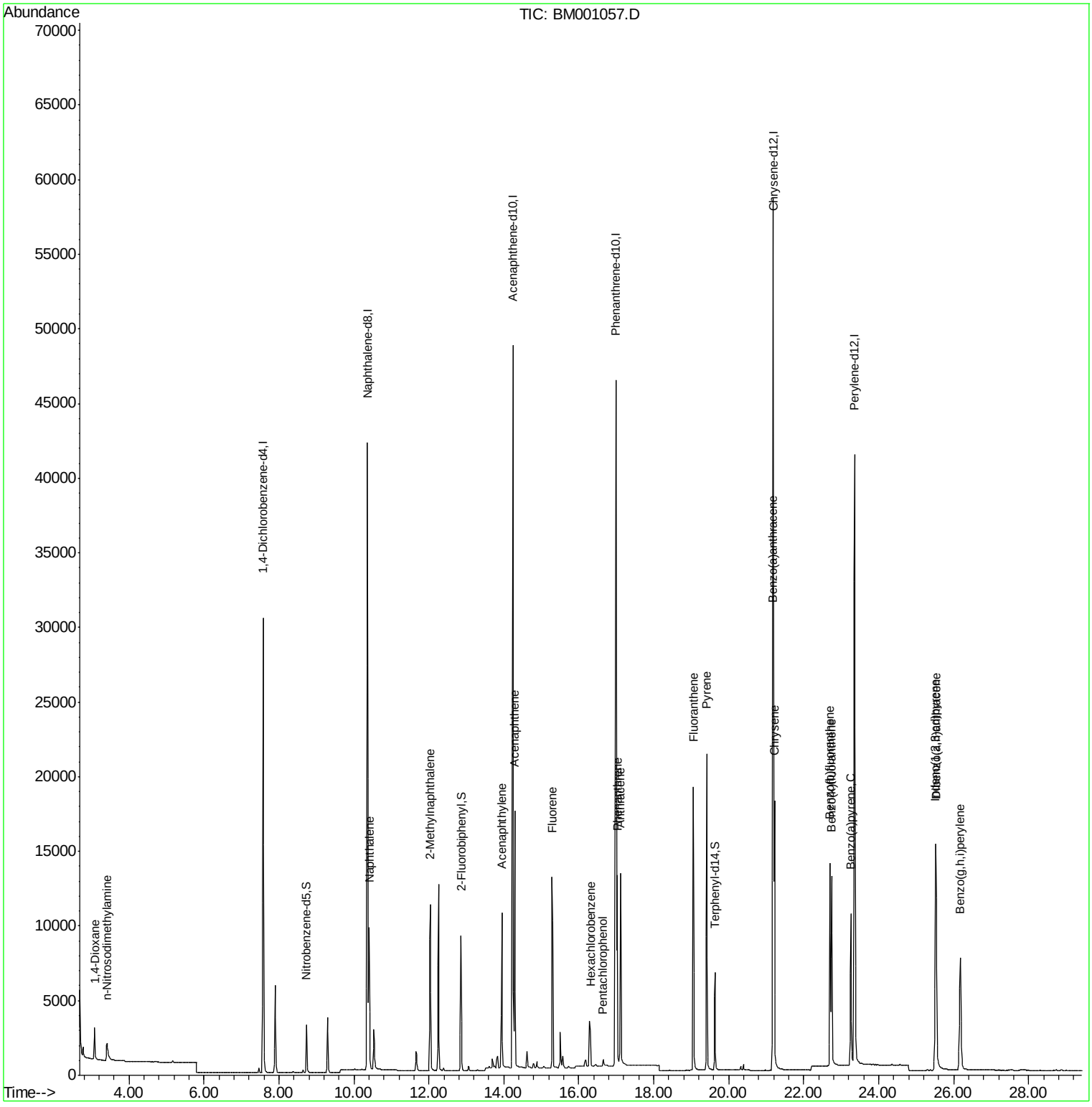
Quantitation Report (QT Reviewed)

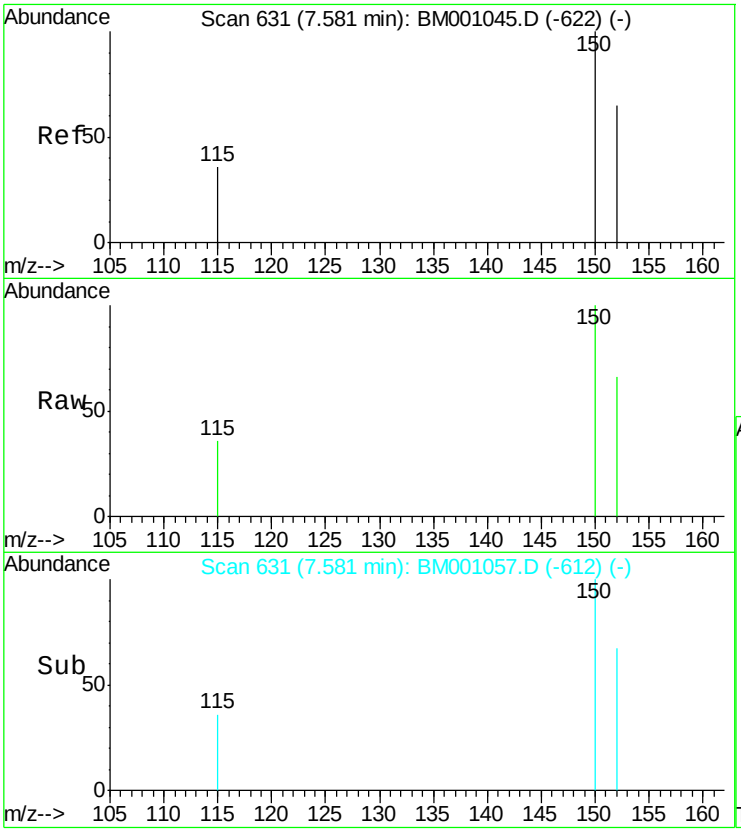
Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
Data File : BM001057.D
Acq On : 18 Apr 2015 13:24
Operator : TP/IZ
Sample : SSTDCCC001
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 20 08:26:36 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM041815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 20 08:05:22 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
apatel
4/20/2015 4:34:25 PM

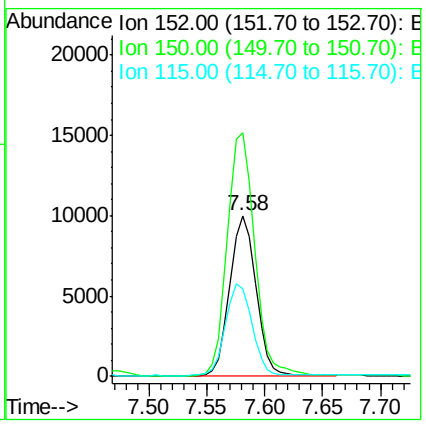




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 631
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

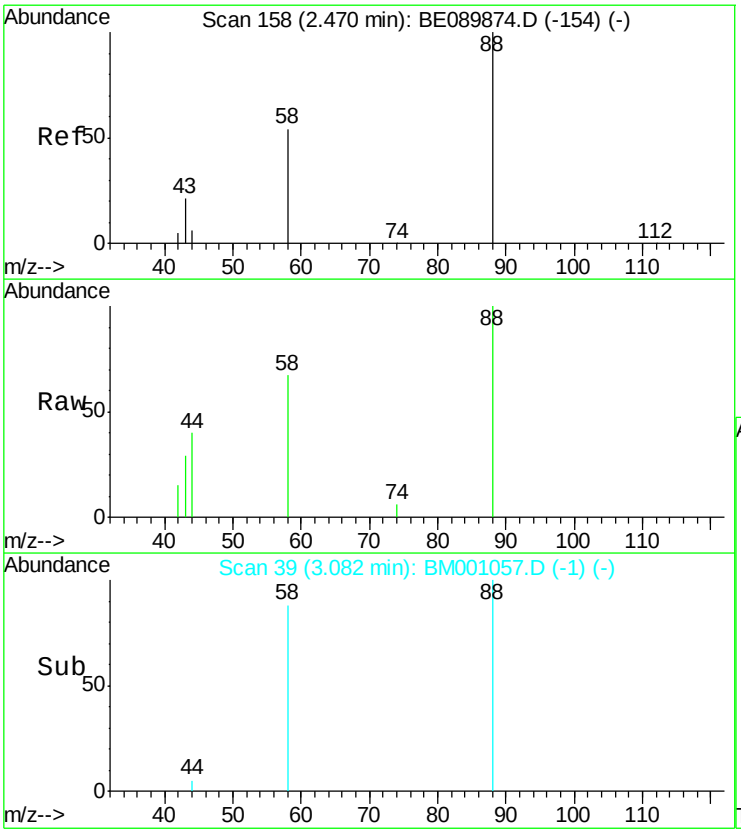
Tgt Ion:152 Resp: 15527

Ion	Ratio	Lower	Upper
152	100		
150	151.3	123.3	184.9
115	54.7	45.0	67.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

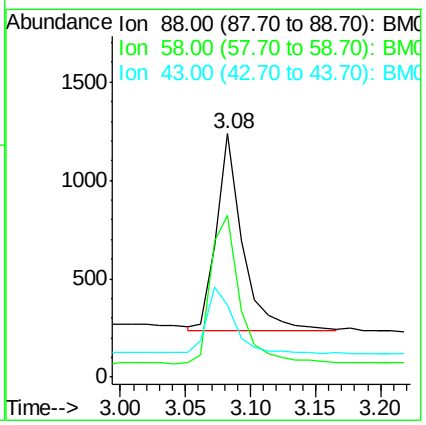
Manual Integrations APPROVED
apatel
4/20/2015 4:34:25 PM

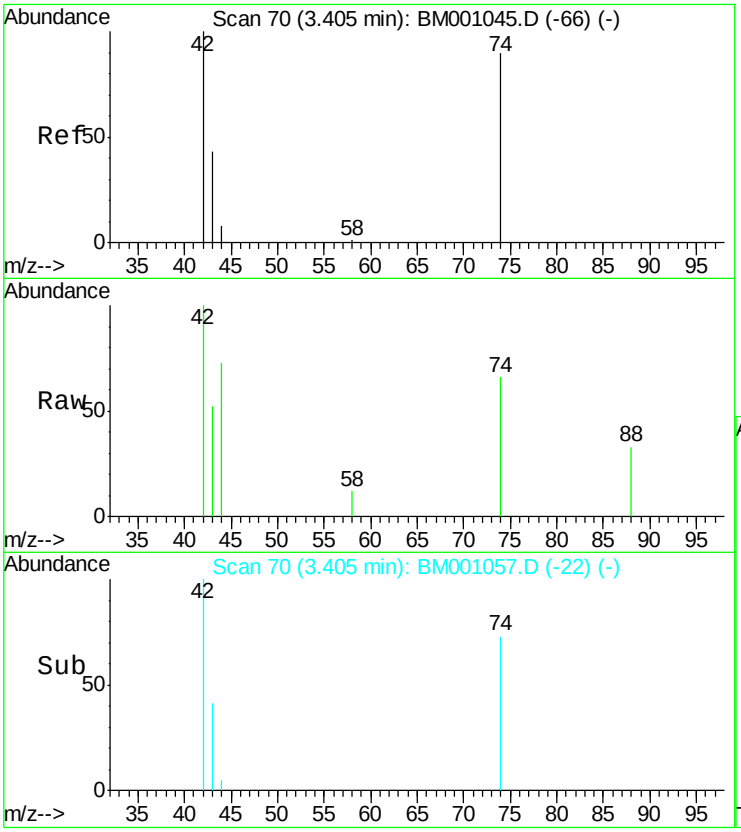


#2
1,4-Dioxane
Concen: 0.80 ng m
RT: 3.08 min Scan# 39
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tgt Ion: 88 Resp: 1408

Ion	Ratio	Lower	Upper
88	100		
58	87.0	0.0	0.0#
43	35.4	0.0	0.0#

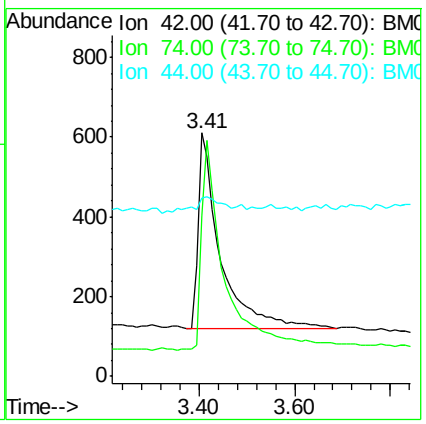




#3
n-Nitrosodimethylamine
Concen: 0.96 ng
RT: 3.41 min Scan# 70
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

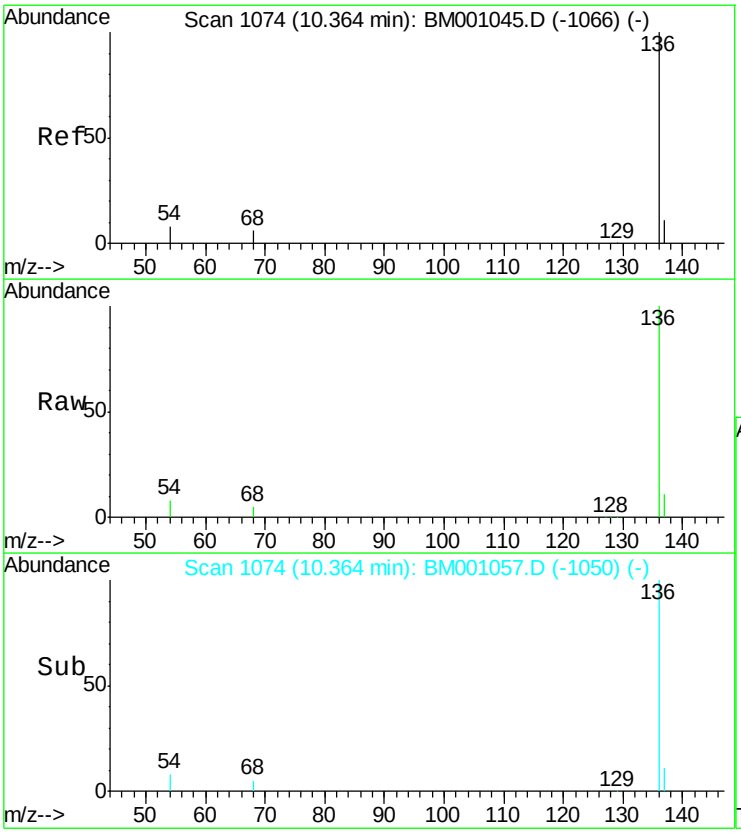
Tgt Ion: 42 Resp: 1579

Ion	Ratio	Lower	Upper
42	100		
74	115.3	92.1	138.1
44	10.7	5.8	8.6#



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

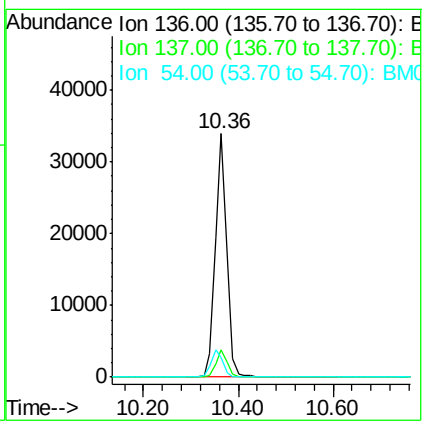
Manual Integrations APPROVED
apatel
4/20/2015 4:34:25 PM

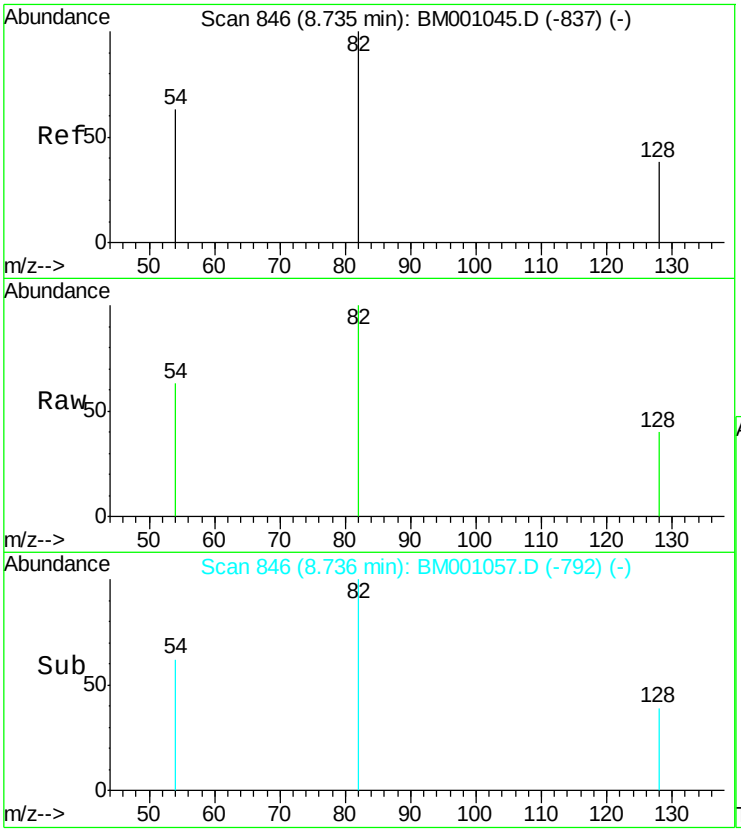


#4
Naphthalene-d8
Concen: 5.00 ng
RT: 10.36 min Scan# 1074
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tgt Ion:136 Resp: 55714

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	7.8	6.5	9.7

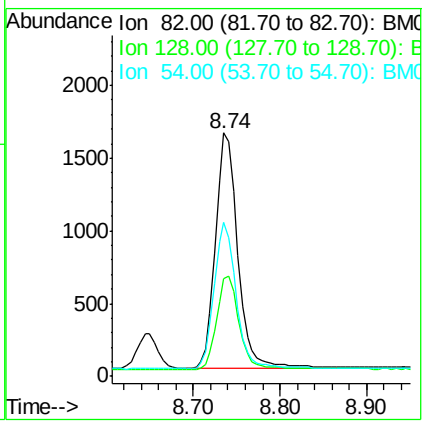




#5
Nitrobenzene-d5
Concen: 1.00 ng
RT: 8.74 min Scan# 846
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

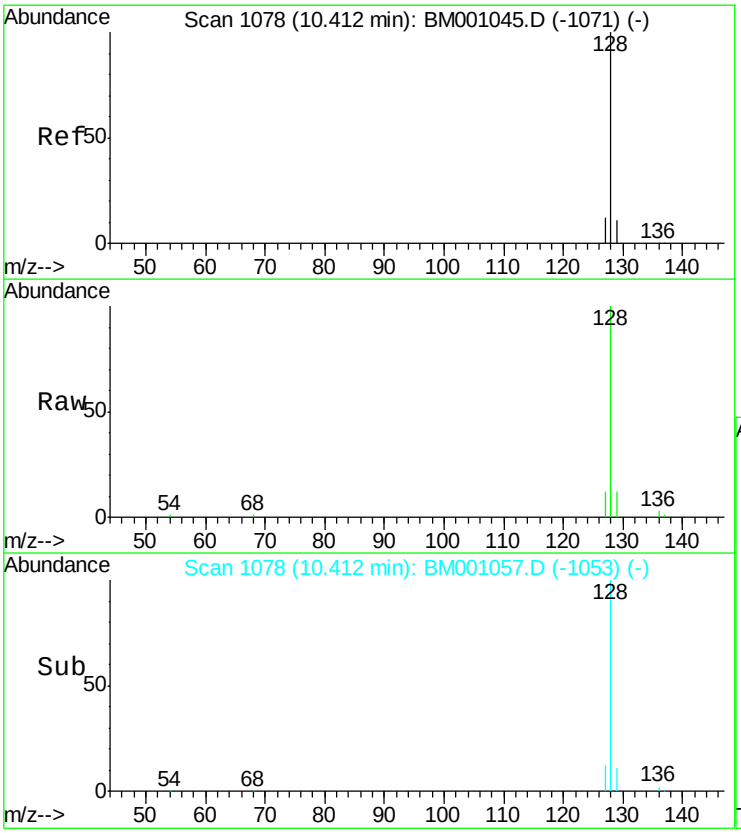
Tgt Ion: 82 Resp: 2900

Ion	Ratio	Lower	Upper
82	100		
128	40.4	31.9	47.9
54	63.4	51.3	76.9



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

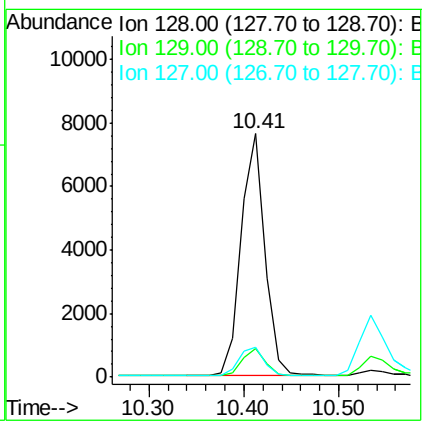
Manual Integrations APPROVED
apatel
4/20/2015 4:34:25 PM

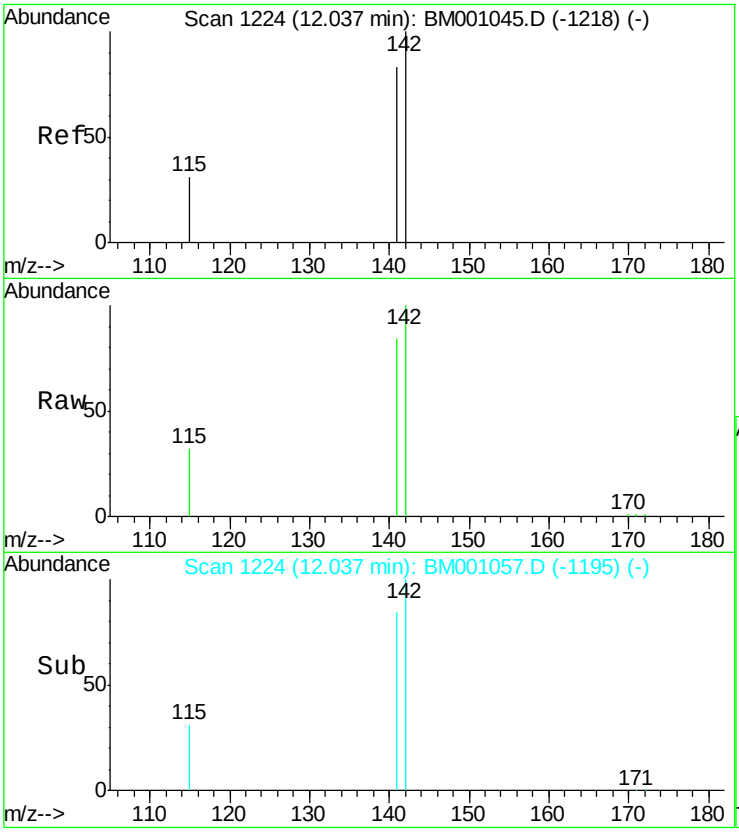


#6
Naphthalene
Concen: 0.99 ng
RT: 10.41 min Scan# 1078
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tgt Ion:128 Resp: 13163

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.3	13.9
127	12.4	10.0	15.0





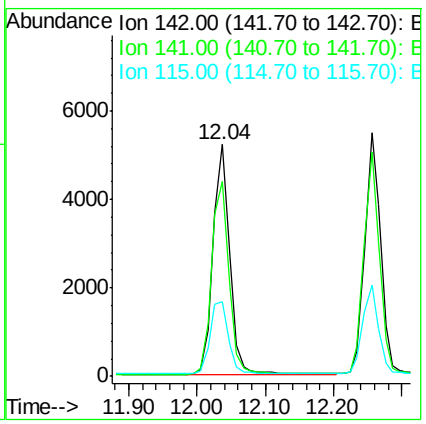
#7
2-Methylnaphthalene
Concen: 1.01 ng
RT: 12.04 min Scan# 1224
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

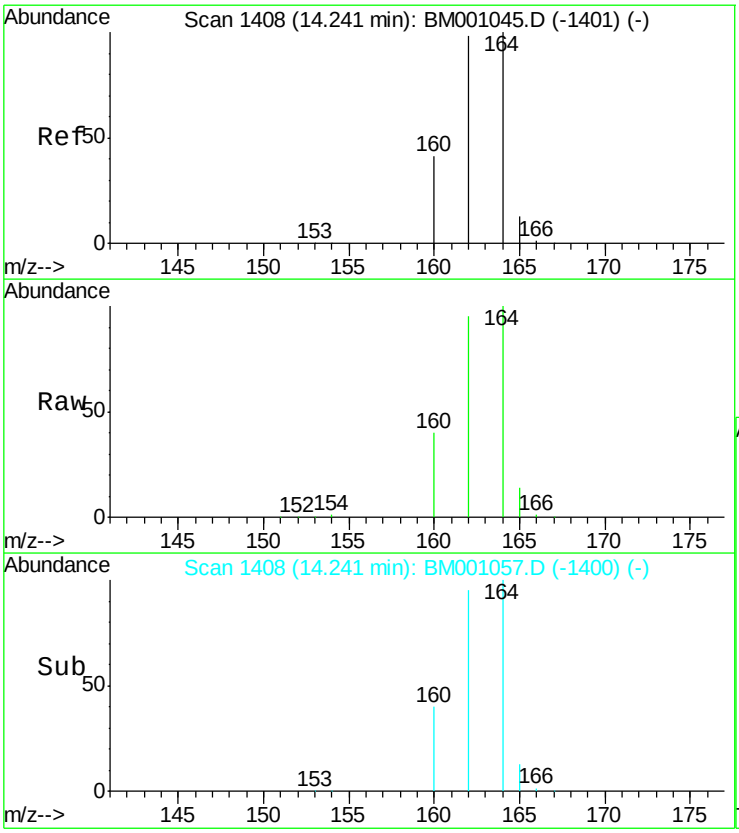
Tgt Ion:142 Resp: 8624

Ion	Ratio	Lower	Upper
142	100		
141	83.8	66.7	100.1
115	32.0	25.5	38.3

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
apatel
4/20/2015 4:34:25 PM

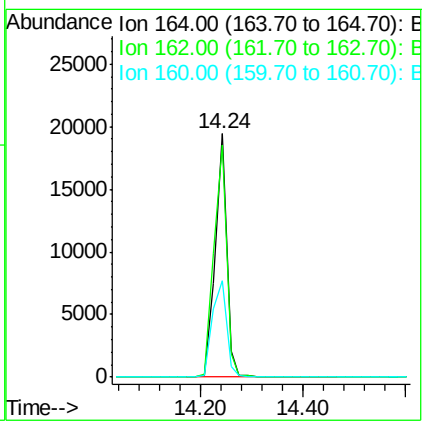


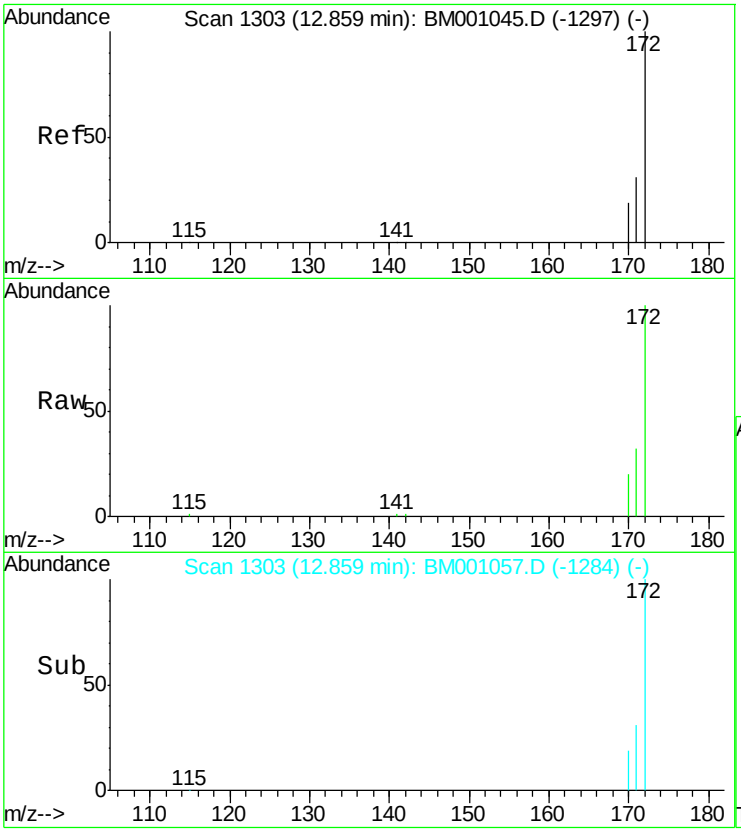


#8
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.24 min Scan# 1408
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tgt Ion:164 Resp: 30057

Ion	Ratio	Lower	Upper
164	100		
162	95.5	78.5	117.7
160	39.7	32.9	49.3

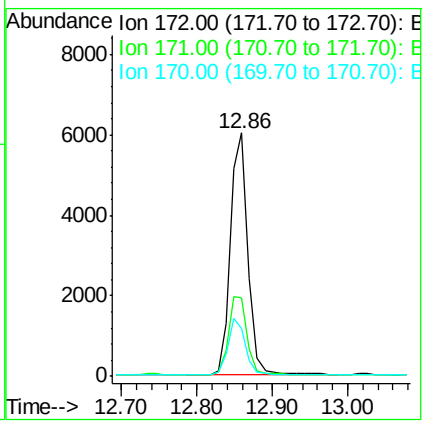




#9
2-Fluorobiphenyl
Concen: 0.98 ng
RT: 12.86 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

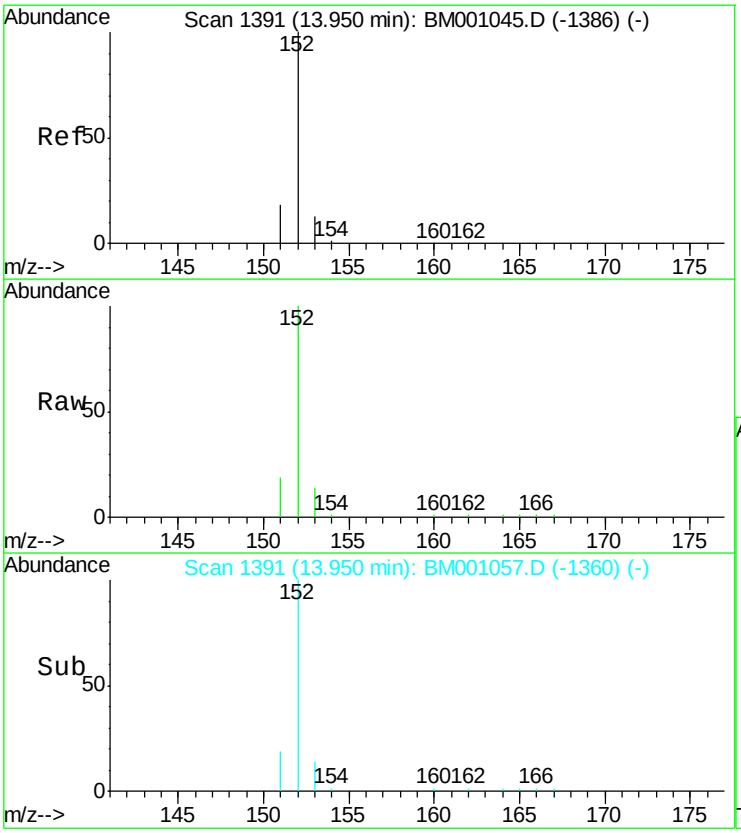
Tgt Ion:172 Resp: 9694

Ion	Ratio	Lower	Upper
172	100		
171	32.2	25.6	38.4
170	19.7	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

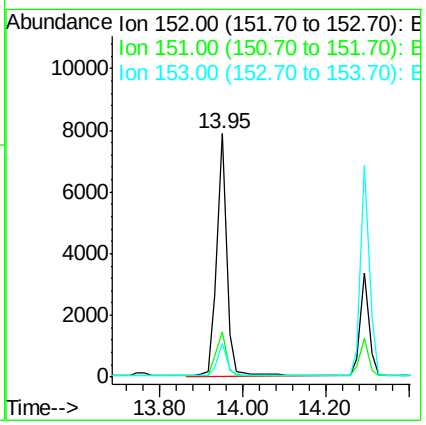
Manual Integrations APPROVED
apatel
4/20/2015 4:34:25 PM

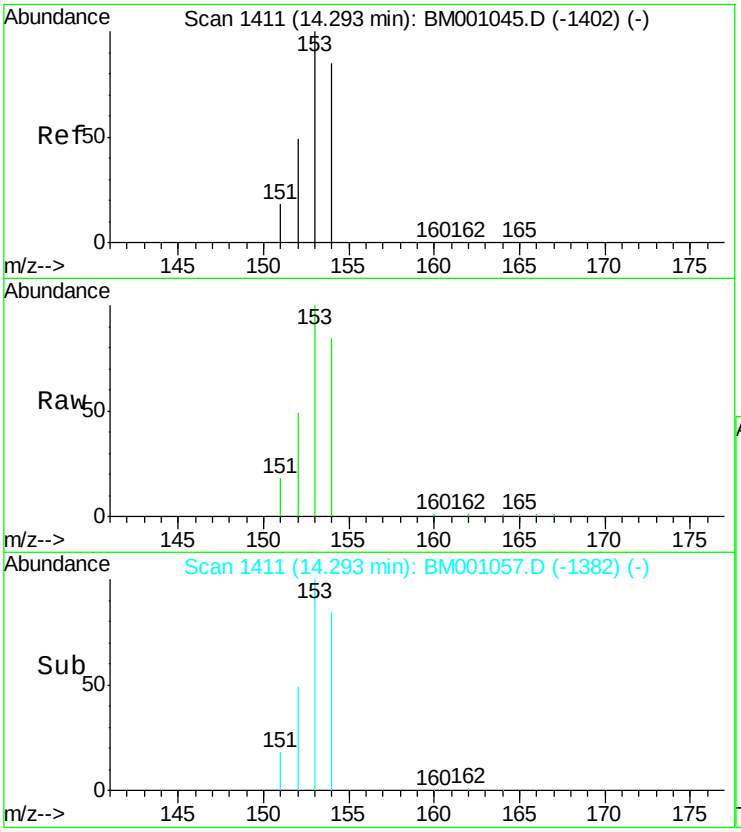


#10
Acenaphthylene
Concen: 0.99 ng
RT: 13.95 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tgt Ion:152 Resp: 13087

Ion	Ratio	Lower	Upper
152	100		
151	18.9	14.7	22.1
153	12.5	10.2	15.2

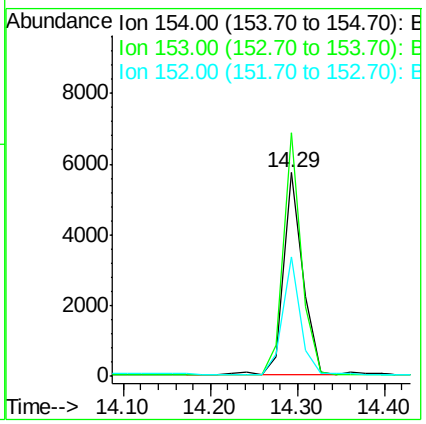




#11
Acenaphthene
Concen: 0.95 ng
RT: 14.29 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

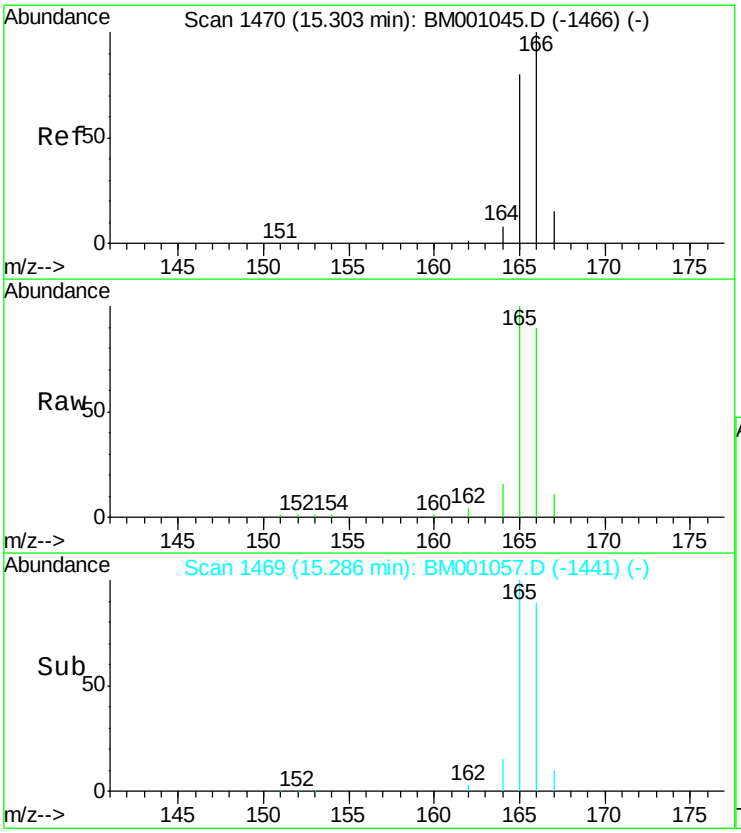
Tgt Ion:154 Resp: 8850

Ion	Ratio	Lower	Upper
154	100		
153	112.7	88.1	132.1
152	54.3	42.3	63.5



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

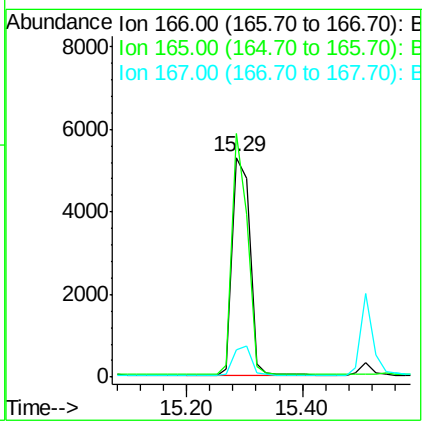
Manual Integrations APPROVED
apatel
4/20/2015 4:34:25 PM

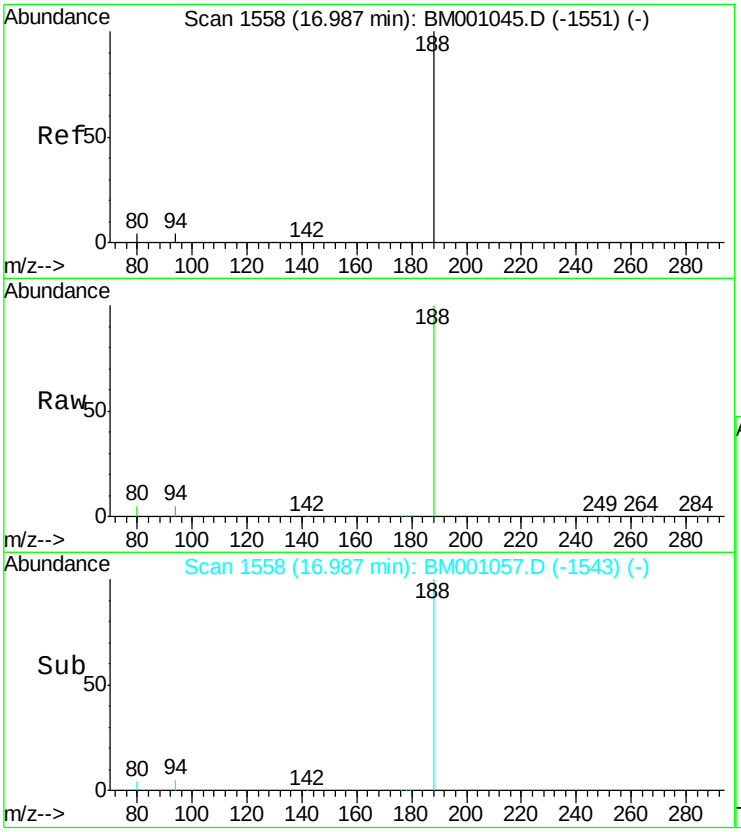


#12
Fluorene
Concen: 1.02 ng
RT: 15.29 min Scan# 1469
Delta R.T. -0.02 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tgt Ion:166 Resp: 10871

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.6	116.4
167	13.3	10.6	16.0





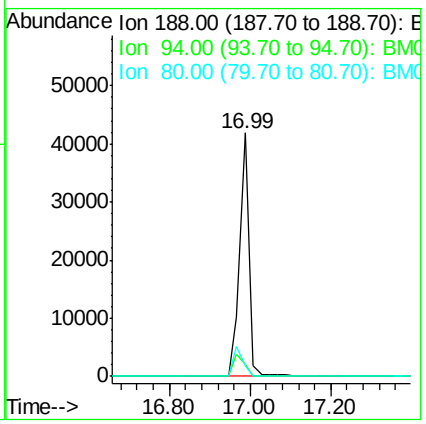
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

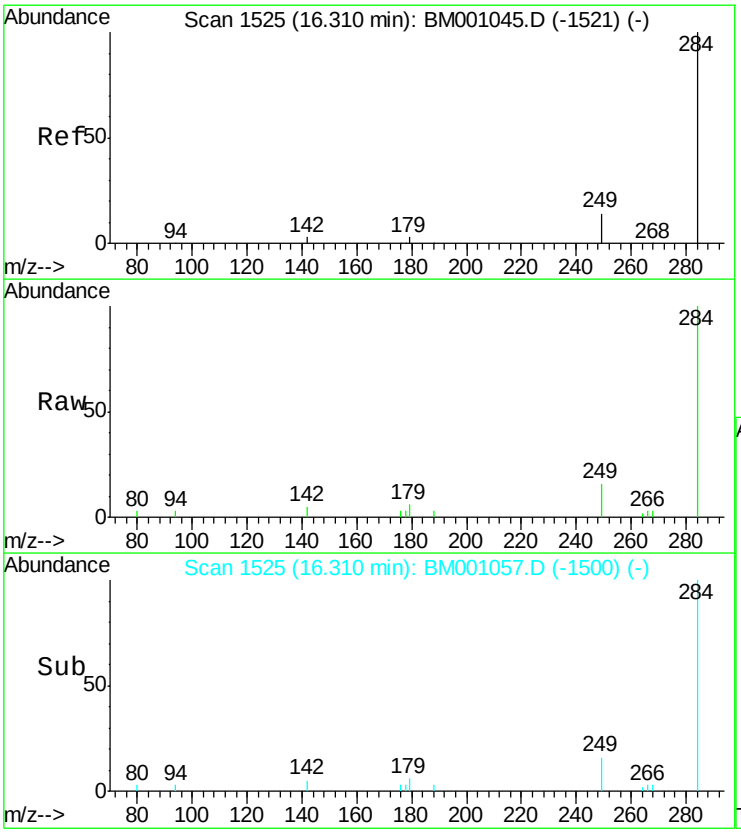
Tgt Ion:188 Resp: 67323

Ion	Ratio	Lower	Upper
188	100		
94	5.1	3.6	5.4
80	4.6	3.0	4.6#

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
apatel
4/20/2015 4:34:25 PM

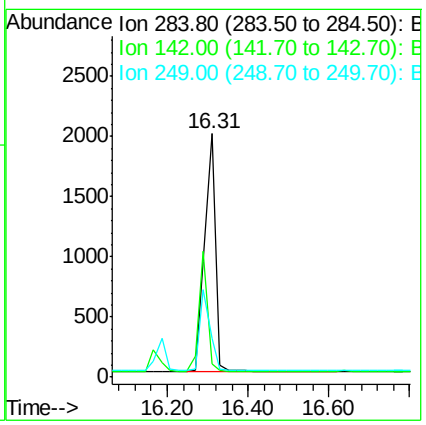


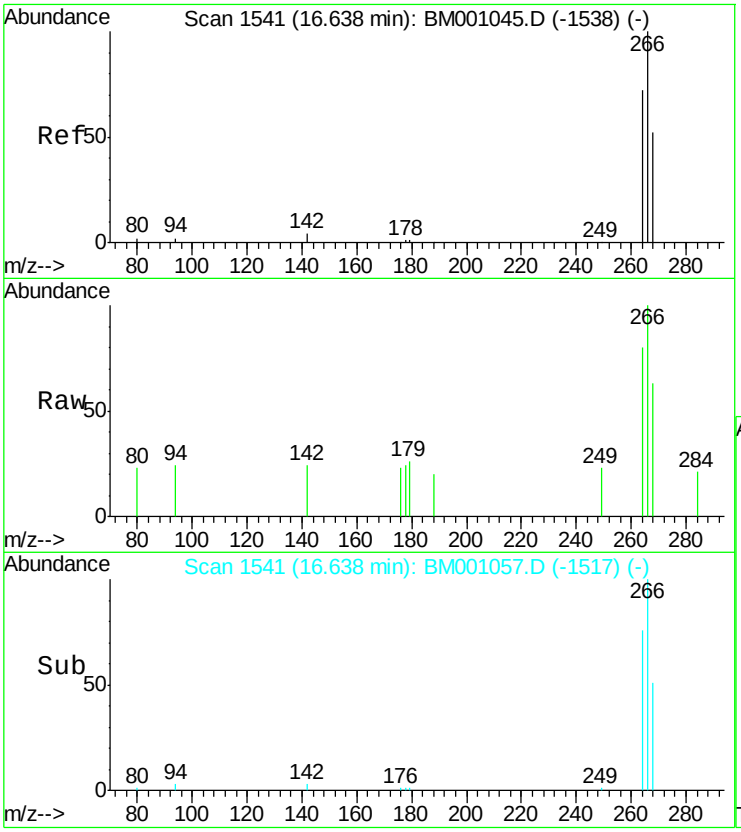


#14
Hexachlorobenzene
Concen: 0.98 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tgt Ion:284 Resp: 3644

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





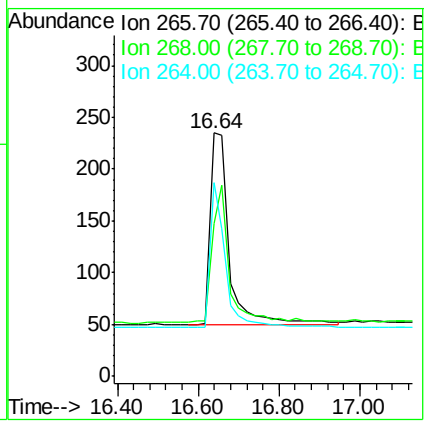
#15
Pentachlorophenol
Concen: 0.72 ng
RT: 16.64 min Scan# 1541
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

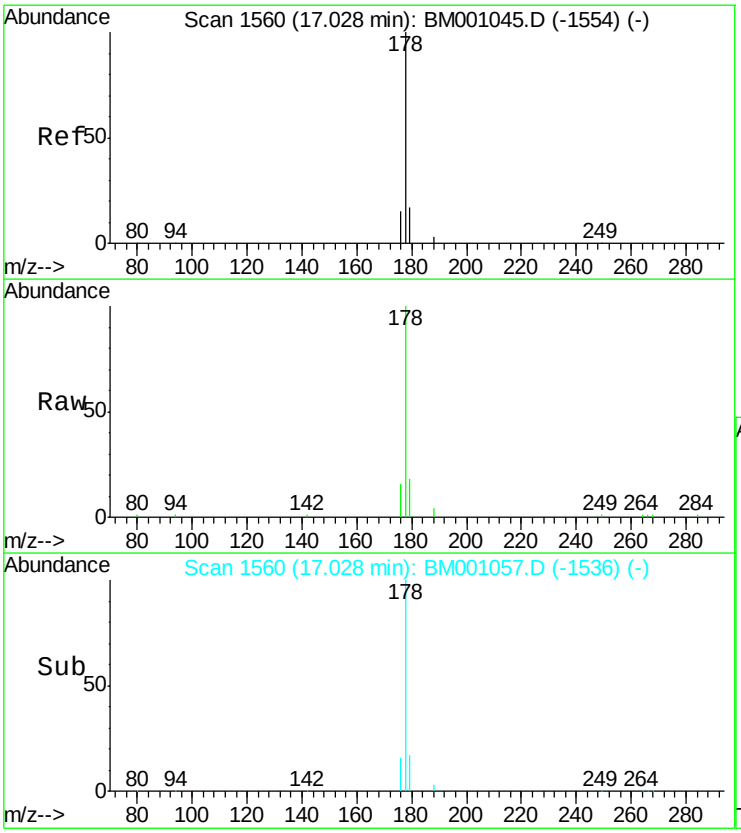
Tgt Ion:266 Resp: 603

Ion	Ratio	Lower	Upper
266	100		
268	63.0	46.3	69.5
264	79.6	59.8	89.6

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
apatel
4/20/2015 4:34:25 PM

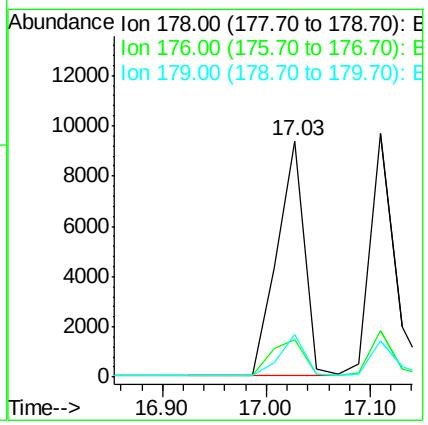


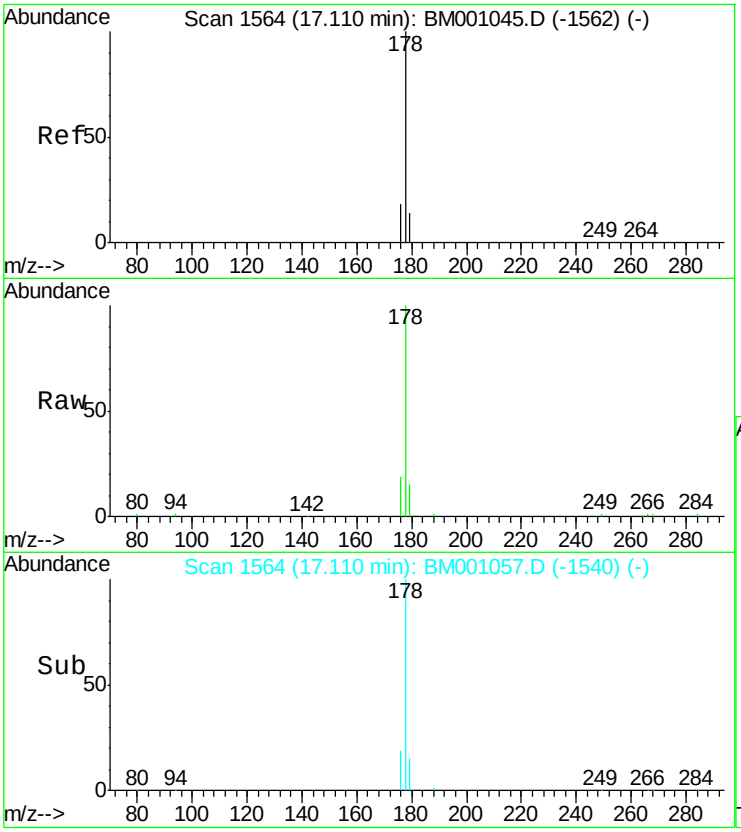


#16
Phenanthrene
Concen: 0.97 ng
RT: 17.03 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tgt Ion:178 Resp: 17257

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	22.0
179	16.0	12.6	19.0

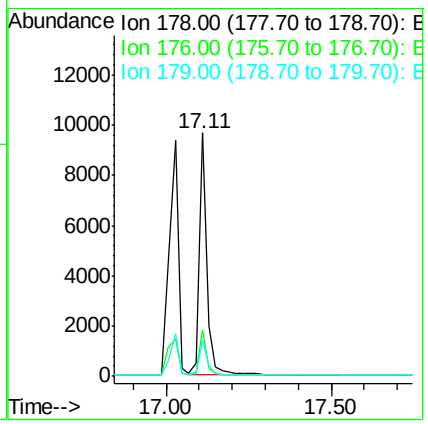




#17
Anthracene
Concen: 0.98 ng
RT: 17.11 min Scan# 1564
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

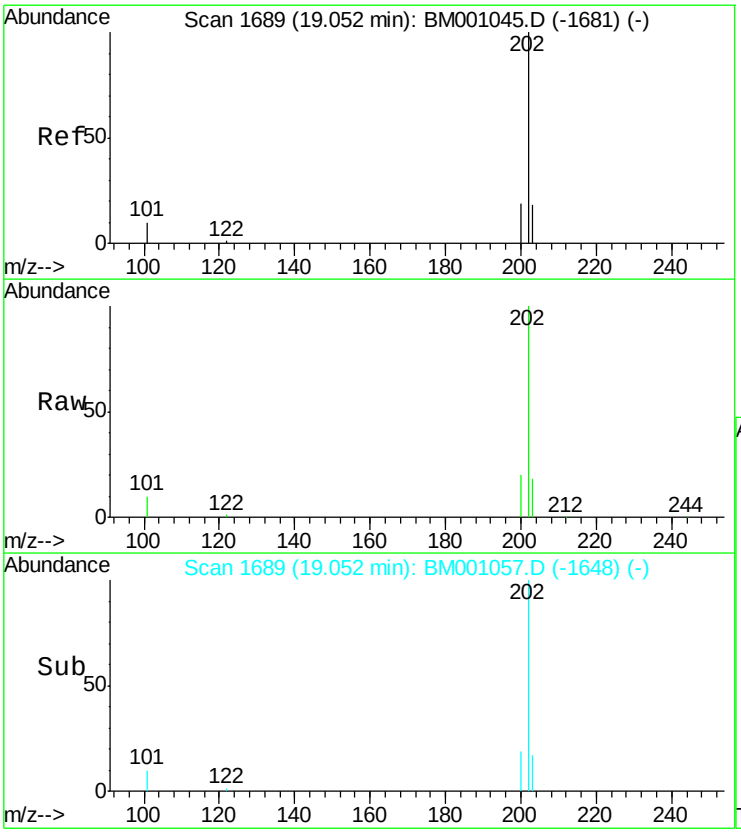
Tgt Ion:178 Resp: 16037

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.3	21.5
179	14.7	11.8	17.8



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

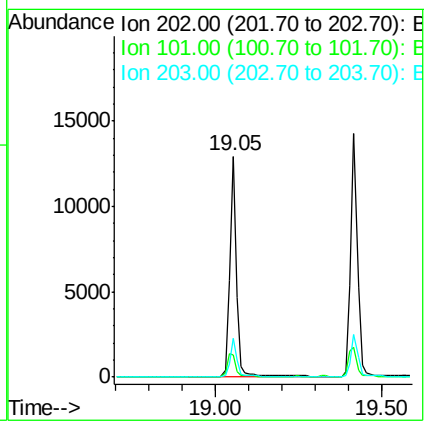
Manual Integrations APPROVED
apatel
4/20/2015 4:34:25 PM

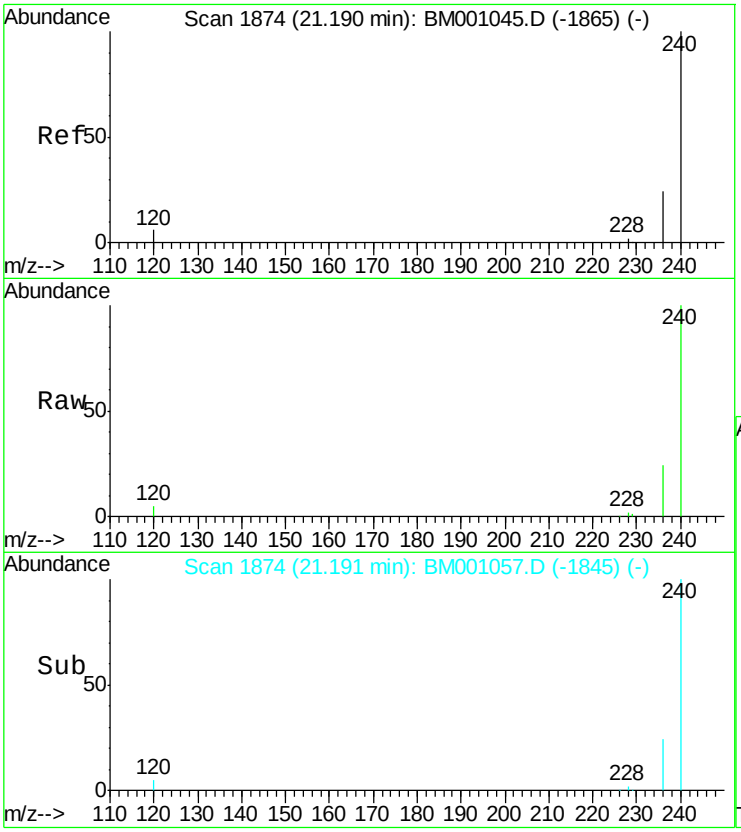


#18
Fluoranthene
Concen: 0.98 ng
RT: 19.05 min Scan# 1689
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tgt Ion:202 Resp: 18194

Ion	Ratio	Lower	Upper
202	100		
101	12.7	10.1	15.1
203	17.1	13.8	20.8

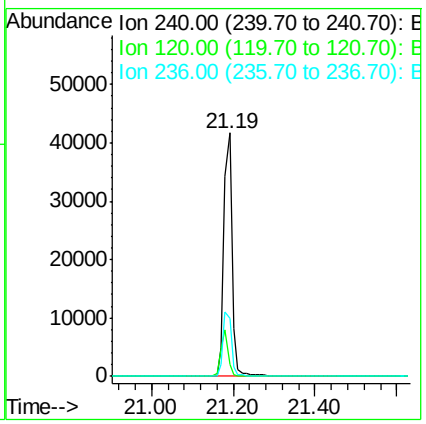




#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

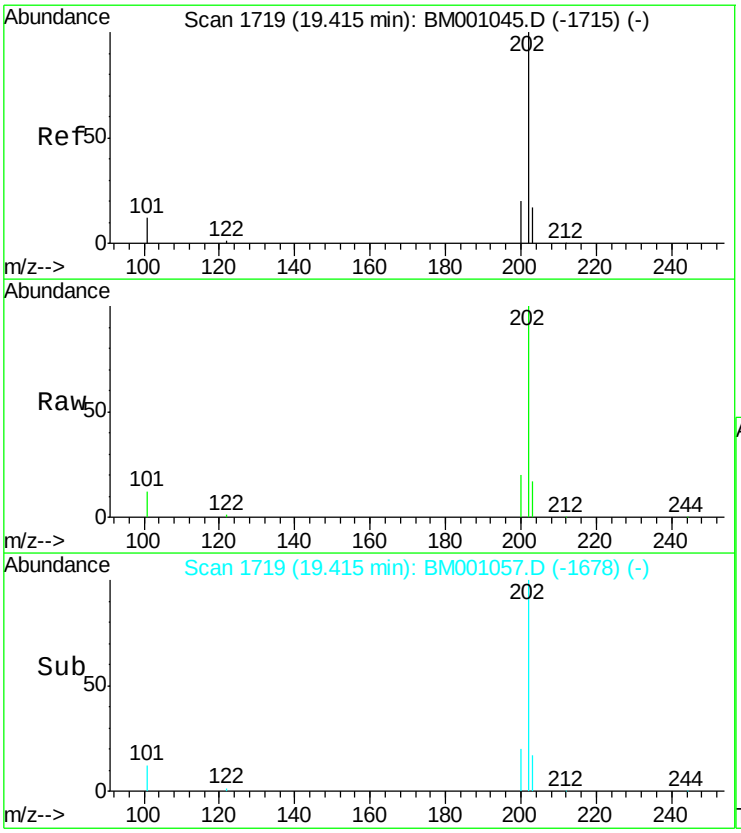
Tgt Ion:240 Resp: 57954

Ion	Ratio	Lower	Upper
240	100		
120	5.1	4.6	6.8
236	23.8	19.1	28.7



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

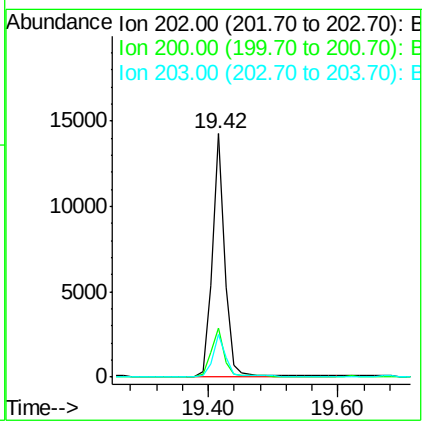
Manual Integrations APPROVED
apatel
4/20/2015 4:34:25 PM

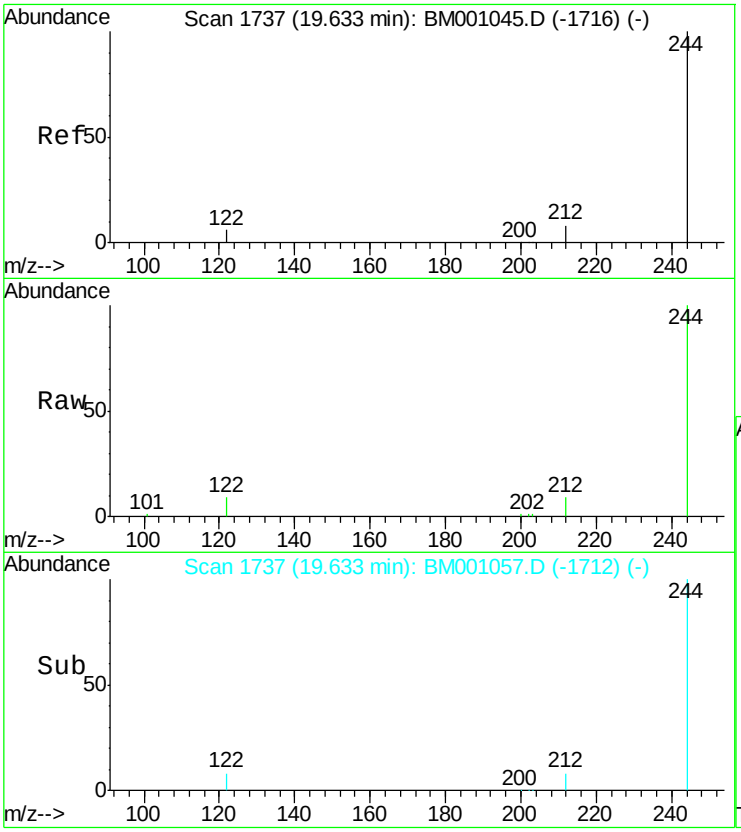


#20
Pyrene
Concen: 0.99 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tgt Ion:202 Resp: 19067

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.3	24.5
203	17.3	13.8	20.6

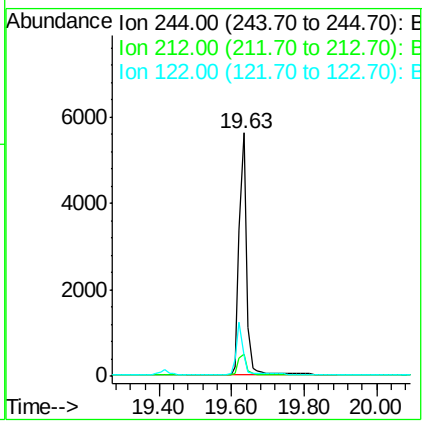




#21
Terphenyl-d14
Concen: 1.01 ng
RT: 19.63 min Scan# 1737
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

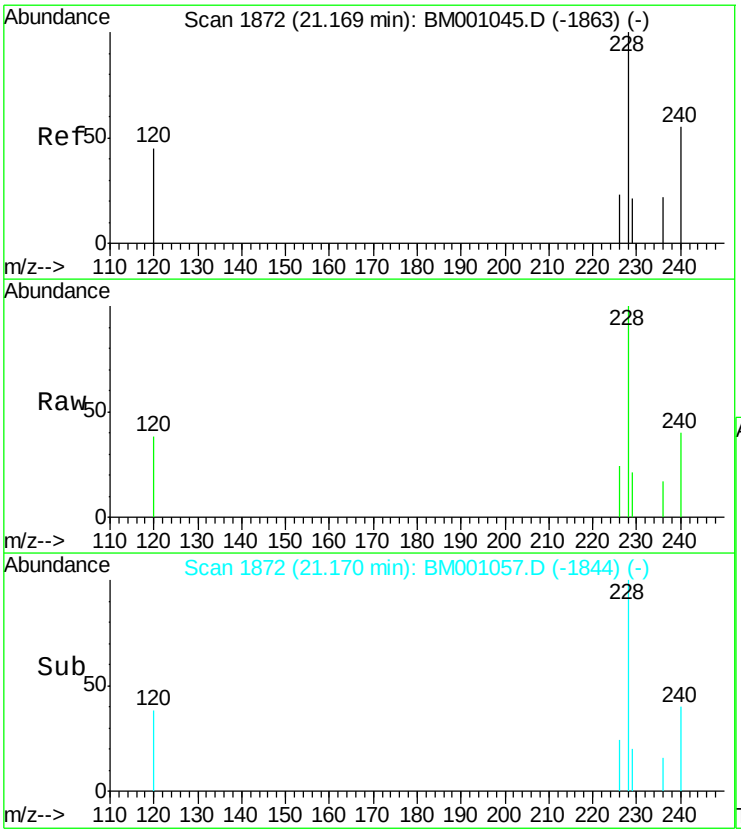
Tgt Ion:244 Resp: 7732

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.1	10.7
122	8.7	5.9	8.9



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

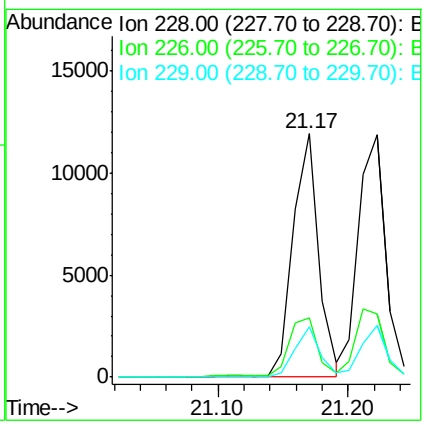
Manual Integrations APPROVED
apatel
4/20/2015 4:34:25 PM

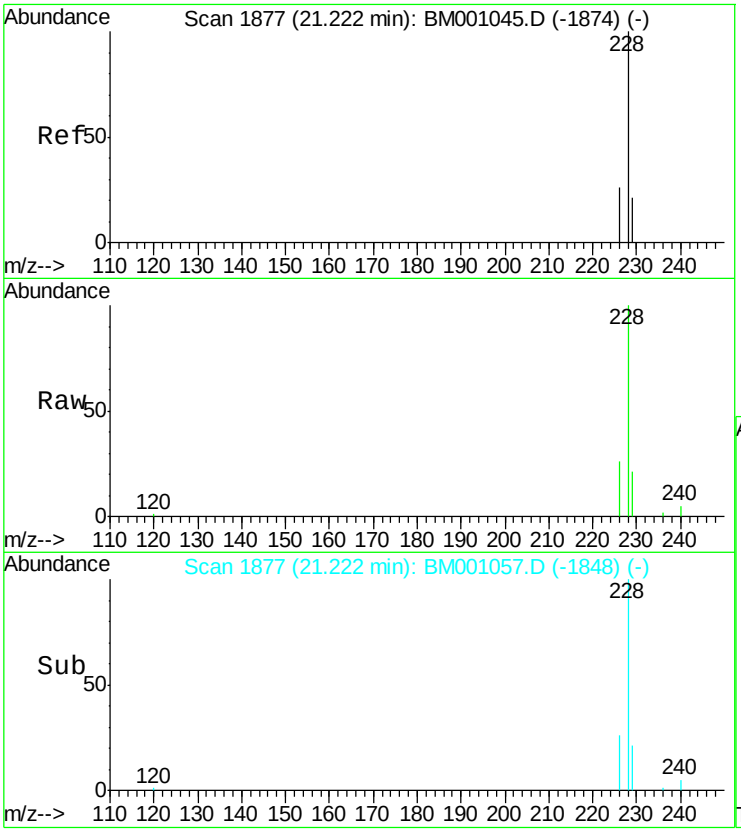


#22
Benzo(a)anthracene
Concen: 0.95 ng
RT: 21.17 min Scan# 1872
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tgt Ion:228 Resp: 15995

Ion	Ratio	Lower	Upper
228	100		
226	24.4	19.0	28.6
229	20.7	16.8	25.2

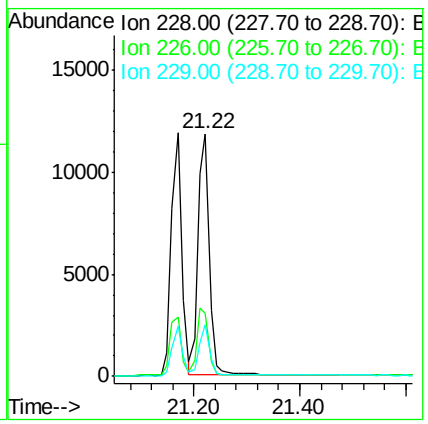




#23
Chrysene
Concen: 1.00 ng
RT: 21.22 min Scan# 1877
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

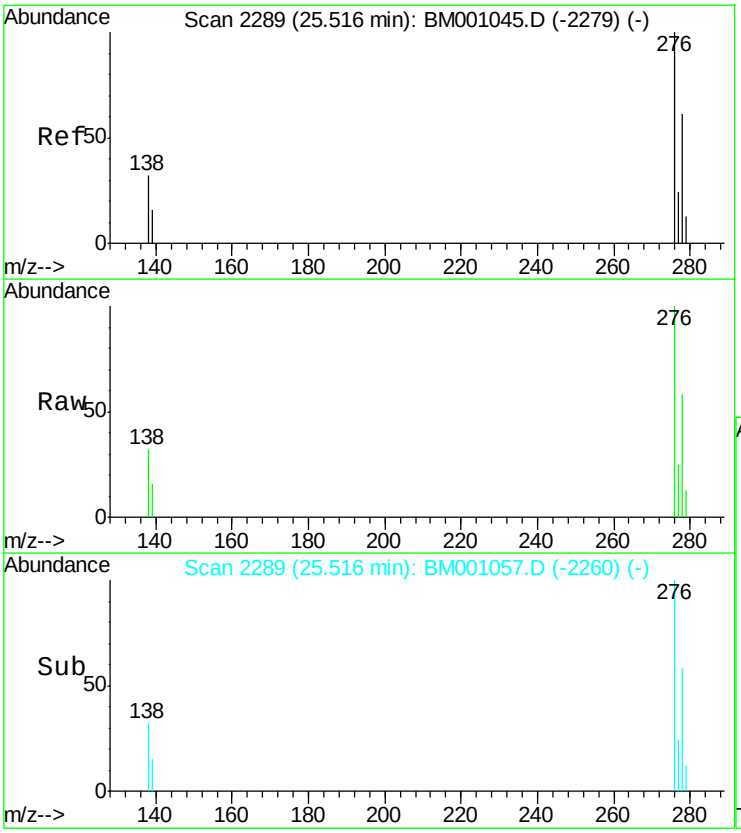
Tgt Ion:228 Resp: 17623

Ion	Ratio	Lower	Upper
228	100		
226	25.8	20.6	31.0
229	21.1	17.2	25.8



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

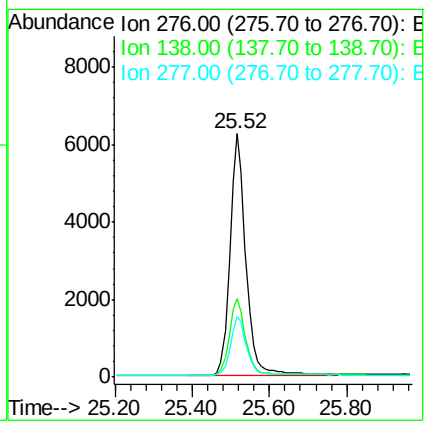
Manual Integrations APPROVED
apatel
4/20/2015 4:34:25 PM

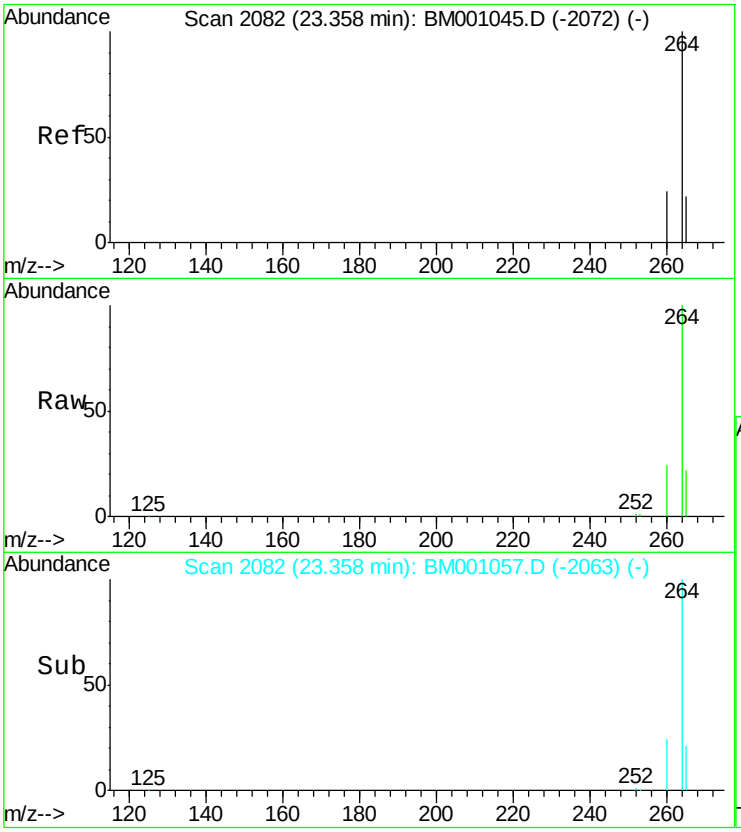


#24
Indeno(1,2,3-cd)pyrene
Concen: 0.99 ng
RT: 25.52 min Scan# 2289
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tgt Ion:276 Resp: 17787

Ion	Ratio	Lower	Upper
276	100		
138	32.7	26.3	39.5
277	24.5	19.5	29.3

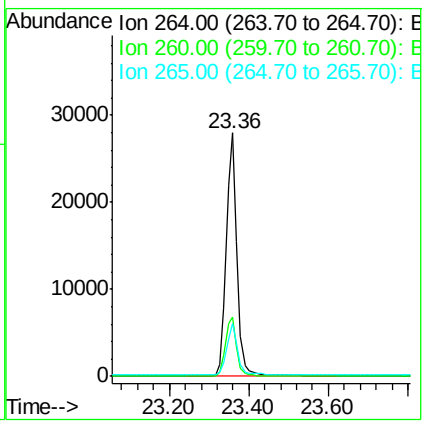




#25
Perylene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

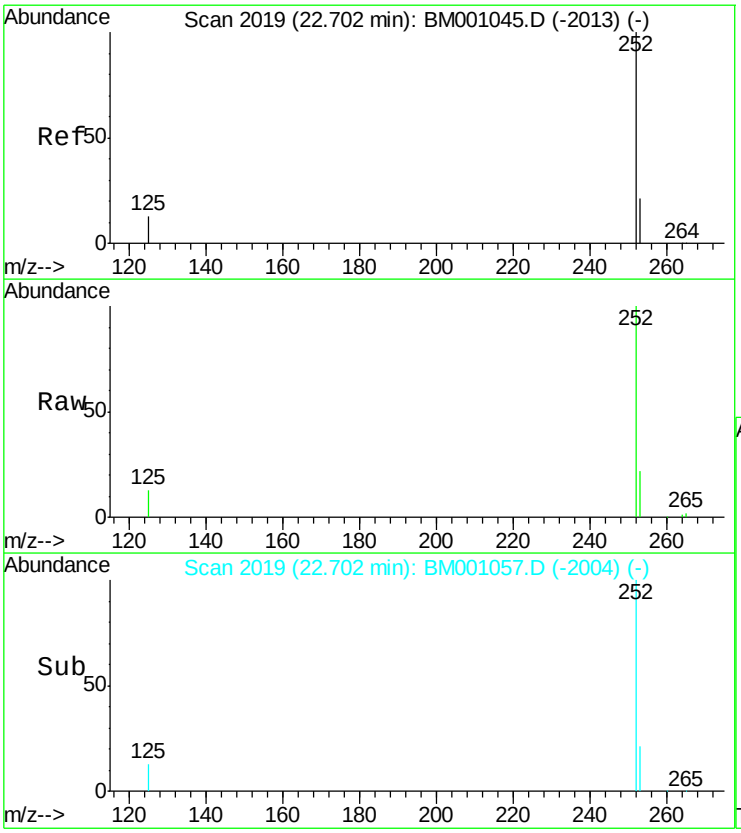
Tgt Ion:264 Resp: 52016

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.0	28.6
265	21.9	17.9	26.9



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

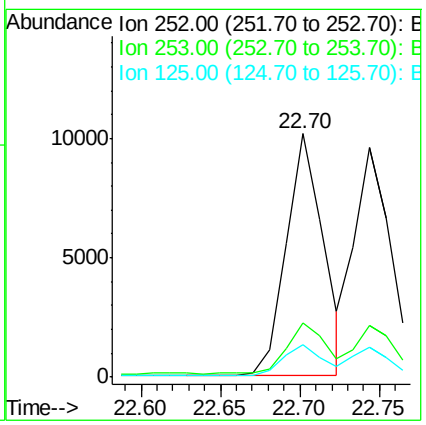
Manual Integrations APPROVED
apatel
4/20/2015 4:34:25 PM

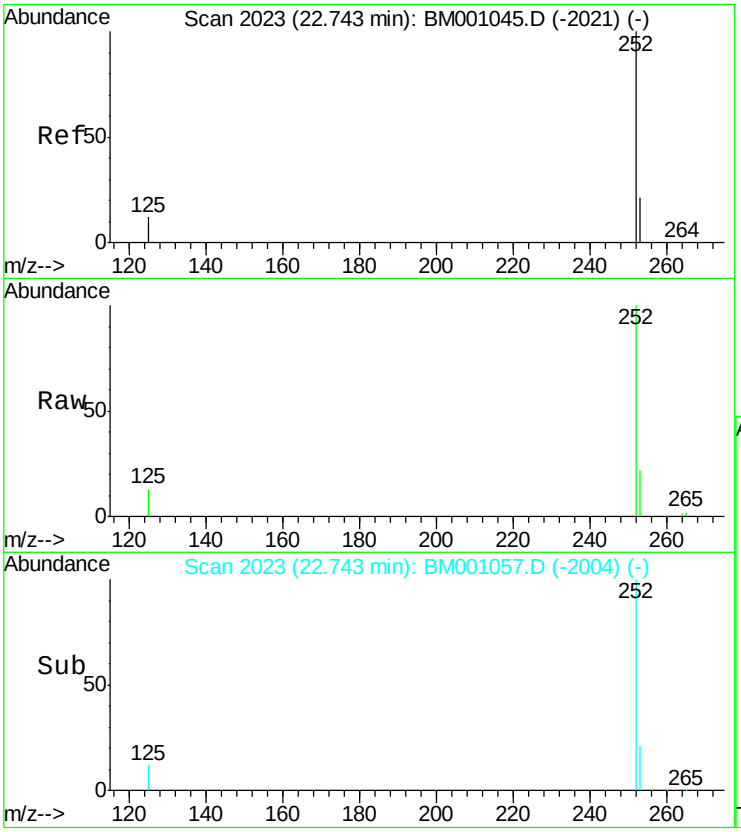


#26
Benzo(b)fluoranthene
Concen: 0.97 ng
RT: 22.70 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tgt Ion:252 Resp: 16278

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	13.5	10.9	16.3





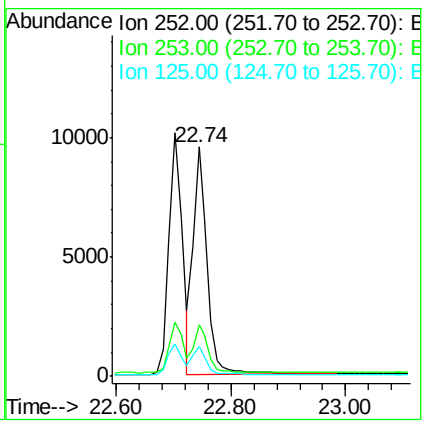
#27
Benzo(k)fluoranthene
Concen: 1.00 ng
RT: 22.74 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

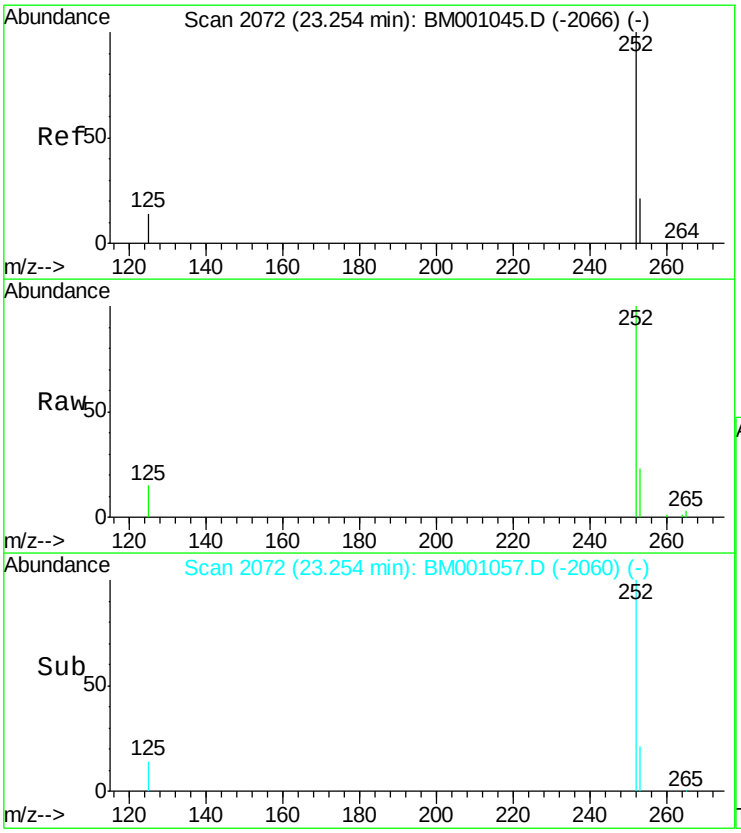
Tgt Ion:252 Resp: 15970

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.3	27.5
125	13.2	10.6	15.8

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
apatel
4/20/2015 4:34:25 PM

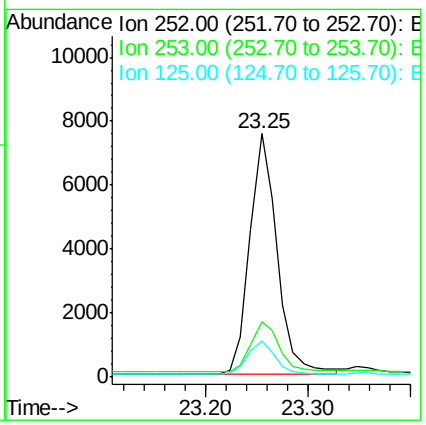


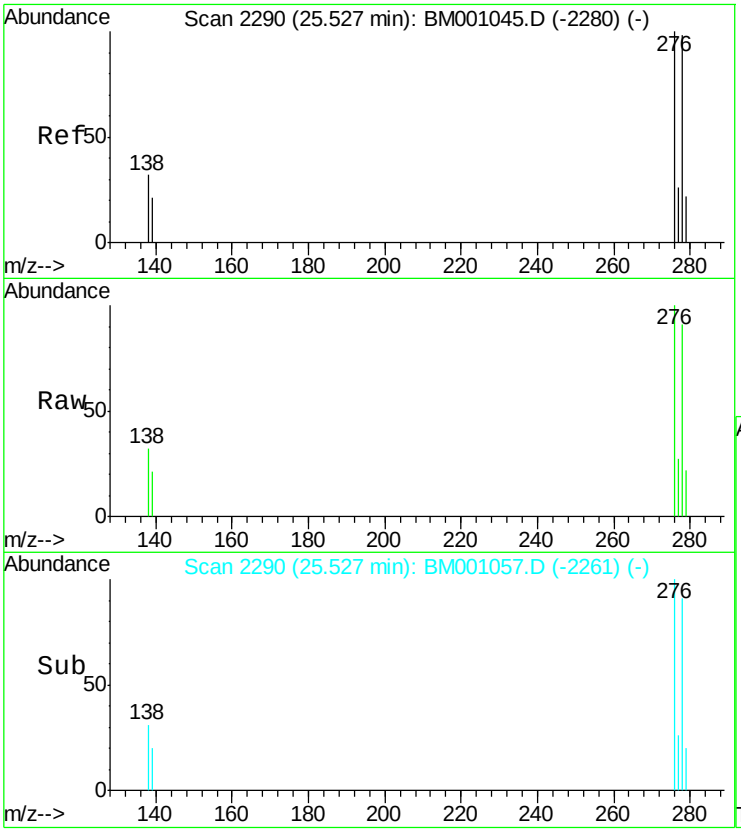


#28
Benzo(a)pyrene
Concen: 0.98 ng
RT: 23.25 min Scan# 2072
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tgt Ion:252 Resp: 14073

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.6	27.8
125	14.9	11.9	17.9

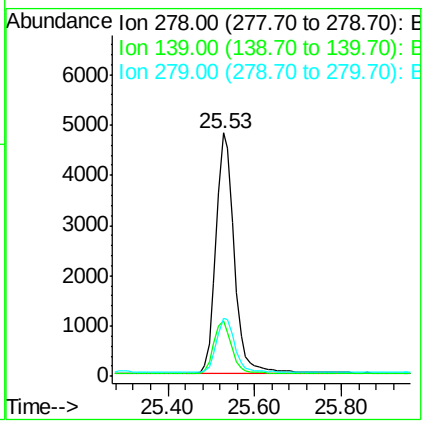




#29
Dibenzo(a,h)anthracene
Concen: 1.00 ng
RT: 25.53 min Scan# 2290
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

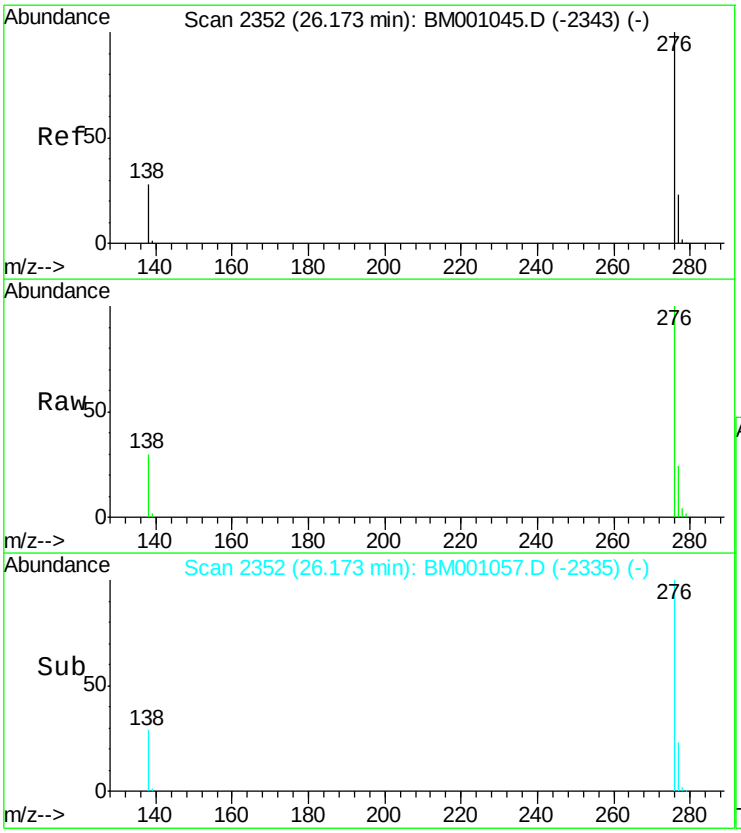
Tgt Ion:278 Resp: 14113

Ion	Ratio	Lower	Upper
278	100		
139	22.9	18.2	27.2
279	23.9	19.1	28.7



Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
apatel
4/20/2015 4:34:25 PM



#30
Benzo(g,h,i)perylene
Concen: 0.98 ng
RT: 26.17 min Scan# 2352
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tgt Ion:276 Resp: 15077

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	29.5	23.4	35.2