Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101515\
Data File : BM002926.D
Acq On : 15 Oct 2015 22:22
Operator : UM/IZ
Sample : G4018-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
RAV-GT-101

Manual Integrations APPROVED
MMdadoda
10/16/2015 3:58:40 PM

Quant Time: Oct 16 07:28:42 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM101515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 16 06:59:27 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	106572	5.00	ng		0.00
7) Naphthalene-d8	11.49	136	450011	5.00	ng		-0.01
13) Acenaphthene-d10	15.23	164	233122	5.00	ng		0.00
19) Phenanthrene-d10	17.95	188	557544	5.00	ng		-0.01
26) Chrysene-d12	22.03	240	419377	5.00	ng		-0.01
35) Perylene-d12	24.60	264	353573	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	6.12	112	66174	3.32	ng		-0.03
5) Phenol-d6	7.79	99	57584	2.26	ng		-0.02
8) Nitrobenzene-d5	9.85	82	86729	4.02	ng		-0.02
14) 2,4,6-Tribromophenol	16.71	330	86121	9.41	ng		0.00
15) 2-Fluorobiphenyl	13.87	172	303688	4.07	ng		0.00
29) Terphenyl-d14	20.48	244	299003	4.76	ng		-0.01
Target Compounds							Qvalue
10) Naphthalene	11.54	128	37977	0.38	ng		97
12) 2-Methylnaphthalene	13.12	142	4232	0.06	ng	#	88
16) Acenaphthylene	14.96	152	4210	0.04	ng	#	77
17) Acenaphthene	15.29	154	5369	0.08	ng	#	100
18) Fluorene	16.27	166	5850	0.07	ng		96
23) Phenanthrene	18.00	178	9037	0.07	ng	#	81
24) Anthracene	18.07	178	3944	0.03	ng	#	96
25) Fluoranthene	19.96	202	9690	0.07	ng	#	84
28) Pyrene	20.32	202	9440	0.08	ng	#	96
30) Benzo(a)anthracene	22.01	228	5368	0.04	ng	#	69
32) Chrysene	22.07	228	3336m	0.03	ng		
33) Bis(2-ethylhexyl)phthalate	21.85	149	11957	0.42	ng	#	91
40) Benzo(g,h,i)perylene	28.16	276	1913	0.02	ng	#	56

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

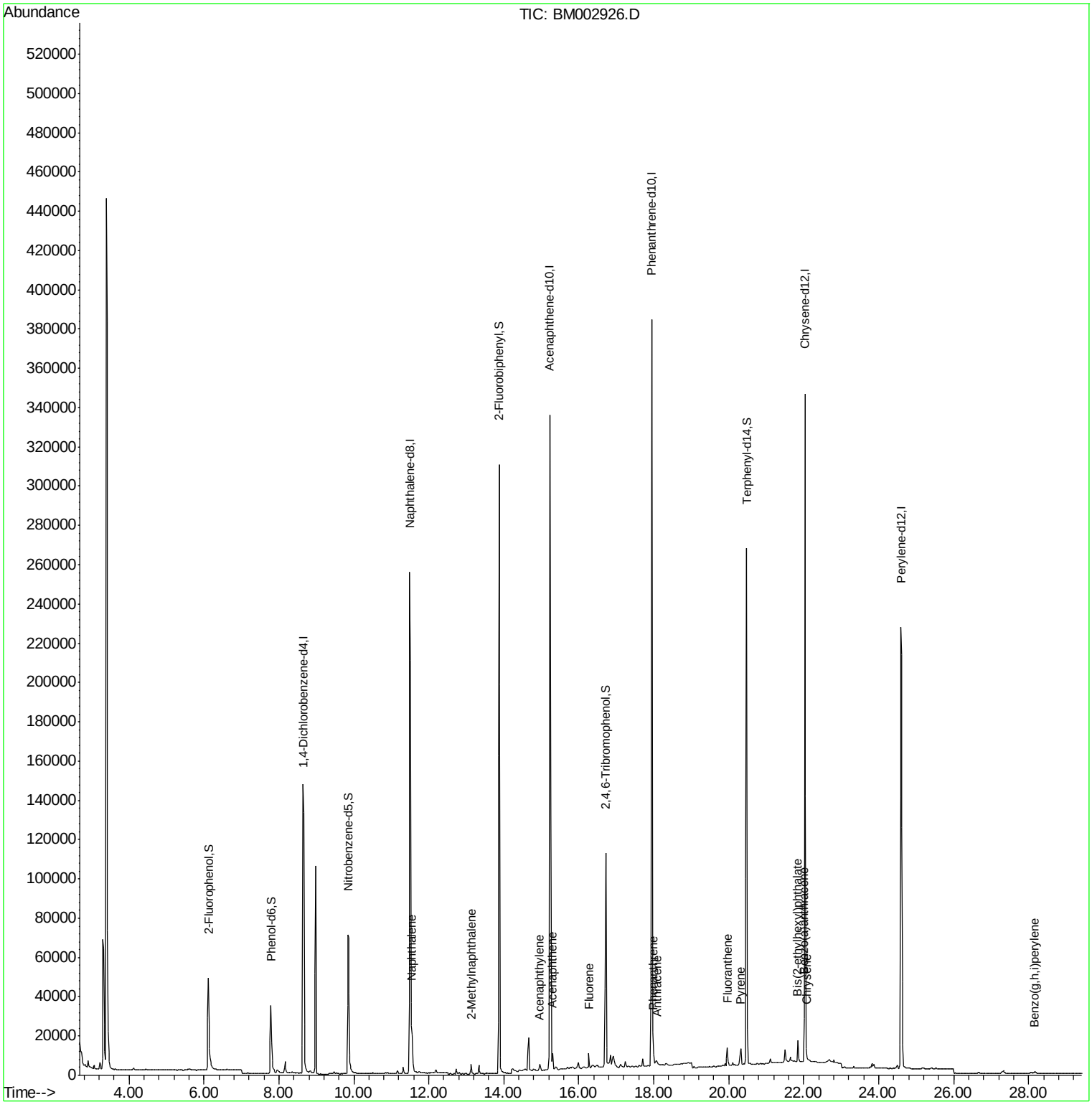
Quantitation Report (QT Reviewed)

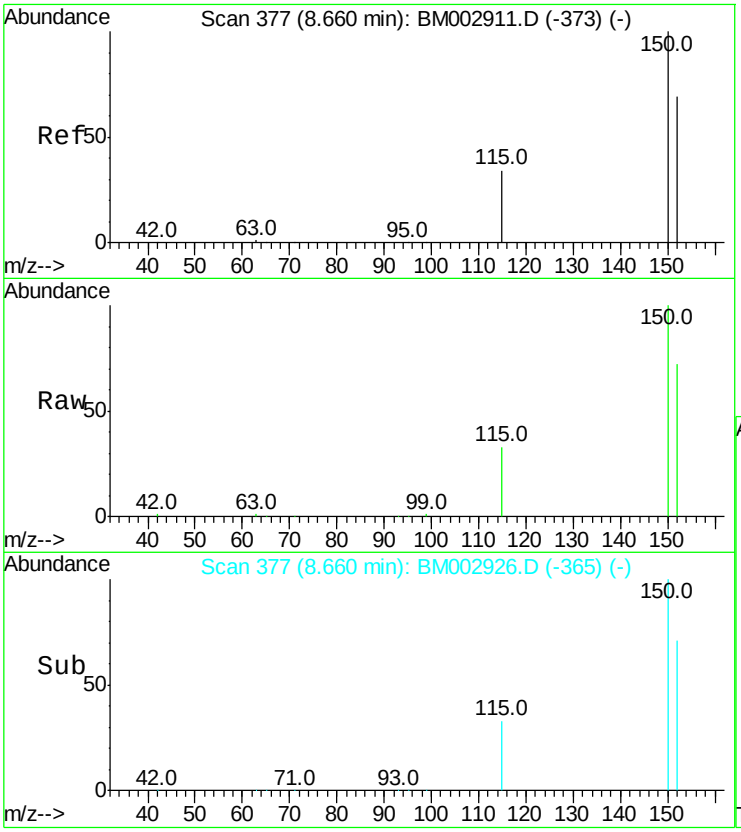
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101515\
Data File : BM002926.D
Acq On : 15 Oct 2015 22:22
Operator : UM/IZ
Sample : G4018-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 16 07:28:42 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM101515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 16 06:59:27 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
RAV-GT-101

Manual Integrations APPROVED
MMdadoda
10/16/2015 3:58:40 PM

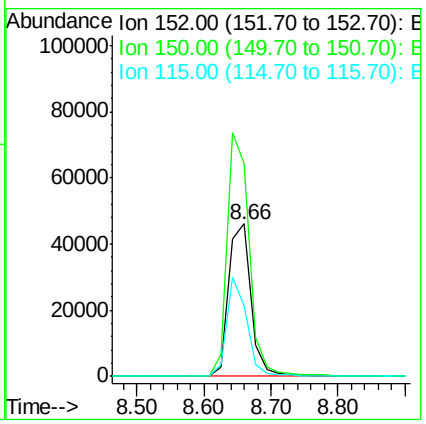




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.66 min Scan# 377
Delta R.T. -0.00 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

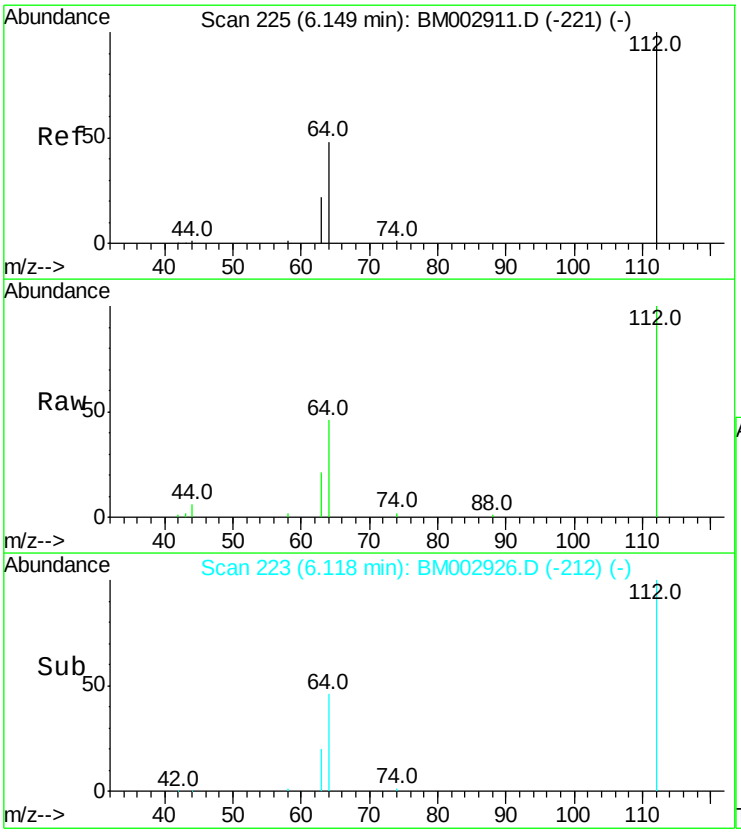
Tgt Ion:152 Resp: 106572

Ion	Ratio	Lower	Upper
152	100		
150	139.8	113.0	169.6
115	46.4	37.9	56.9



Instrument :
BNA_M
ClientSampleId :
RAV-GT-101

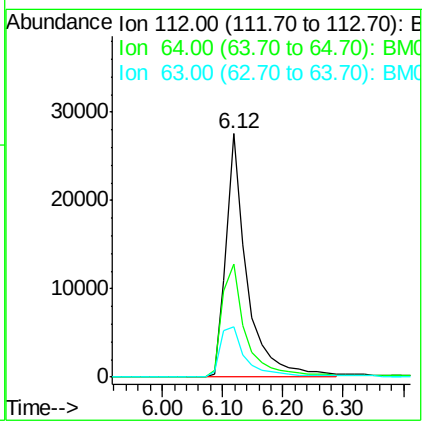
Manual Integrations APPROVED
MMdadoda
10/16/2015 3:58:40 PM

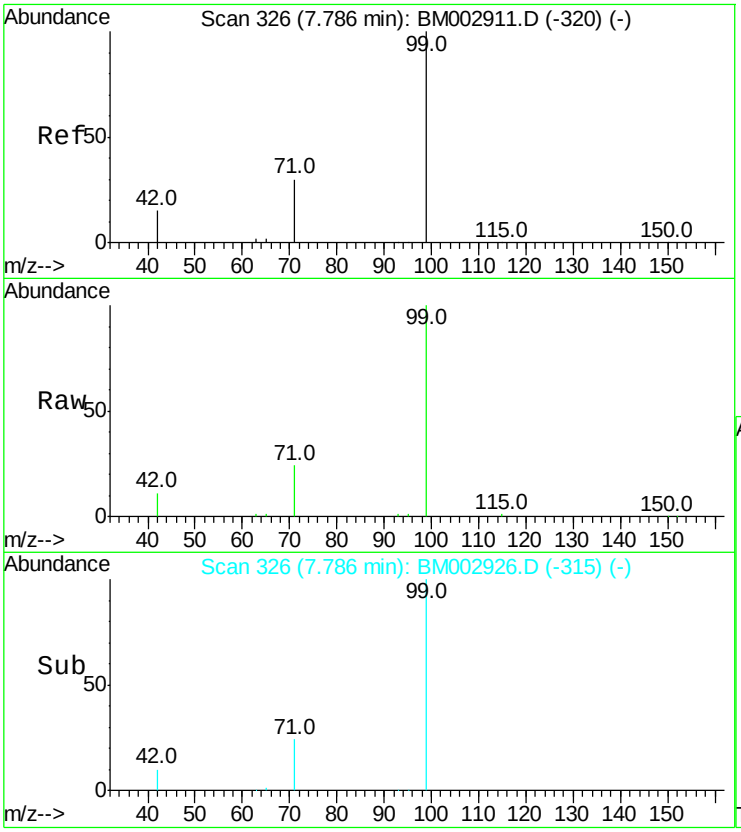


#4
2-Fluorophenol
Concen: 3.32 ng
RT: 6.12 min Scan# 223
Delta R.T. -0.03 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

Tgt Ion:112 Resp: 66174

Ion	Ratio	Lower	Upper
112	100		
64	51.5	42.0	63.0
63	24.6	20.0	30.0

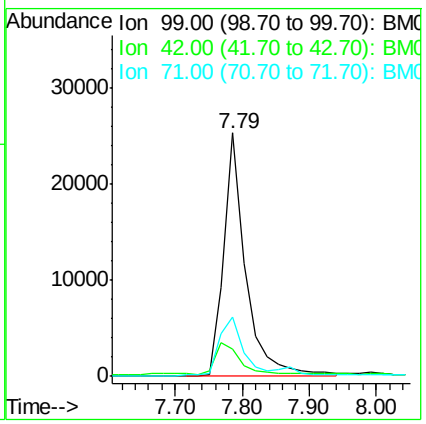




#5
Phenol-d6
Concen: 2.26 ng
RT: 7.79 min Scan# 326
Delta R.T. -0.02 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

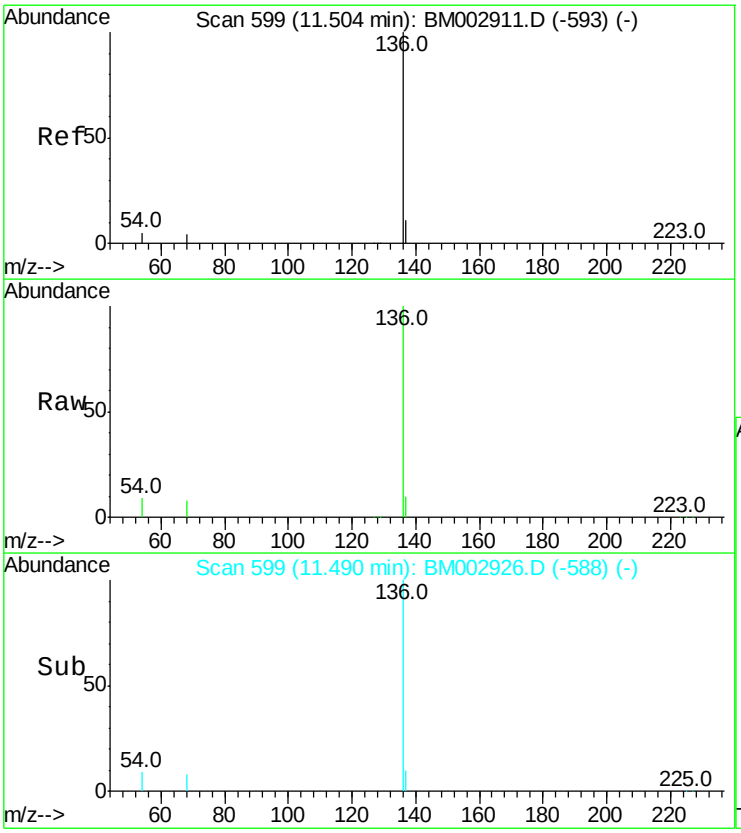
Tgt Ion: 99 Resp: 57584

Ion	Ratio	Lower	Upper
99	100		
42	14.5	12.4	18.6
71	29.5	21.4	32.0



Instrument :
BNA_M
ClientSampleId :
RAV-GT-101

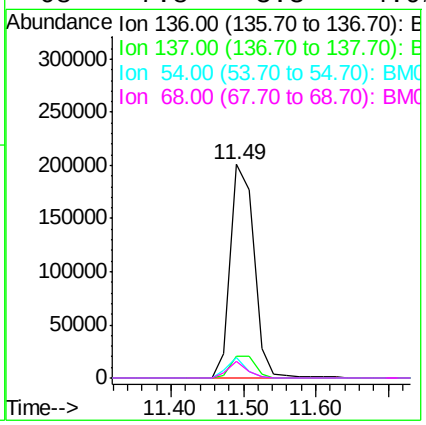
Manual Integrations APPROVED
MMdadoda
10/16/2015 3:58:40 PM

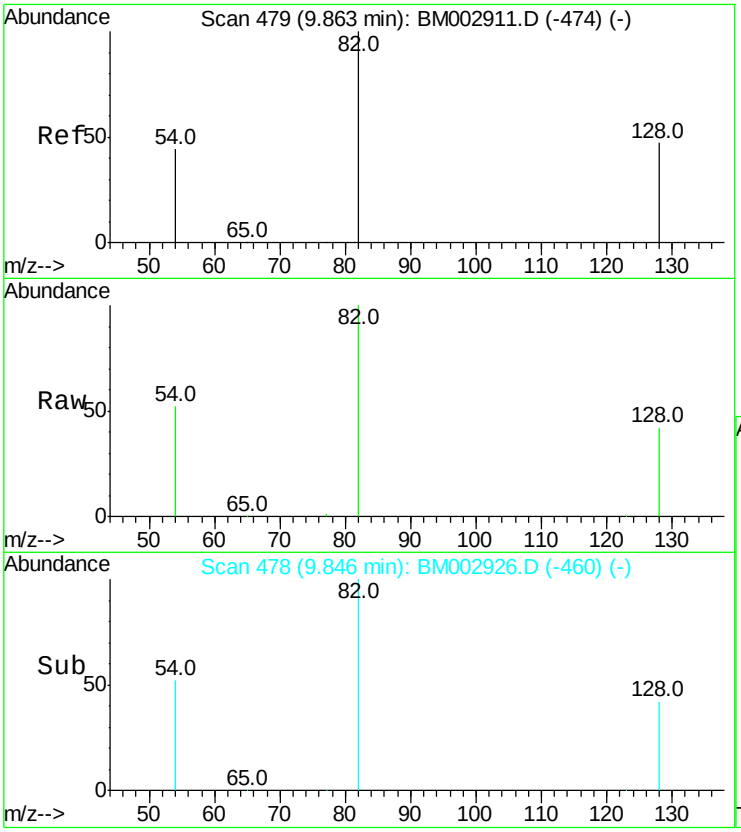


#7
Naphthalene-d8
Concen: 5.00 ng
RT: 11.49 min Scan# 599
Delta R.T. -0.01 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

Tgt Ion:136 Resp: 450011

Ion	Ratio	Lower	Upper
136	100		
137	10.1	9.1	13.7
54	9.4	3.5	5.3#
68	7.8	3.3	4.9#

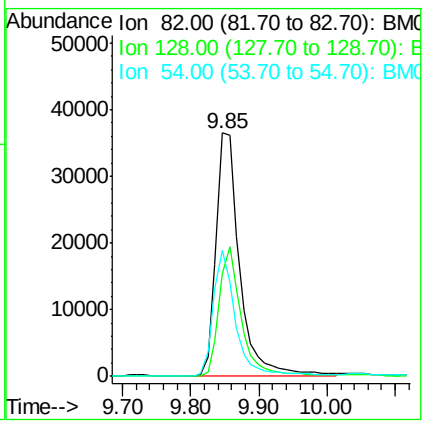




#8
Nitrobenzene-d5
Concen: 4.02 ng
RT: 9.85 min Scan# 478
Delta R.T. -0.02 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

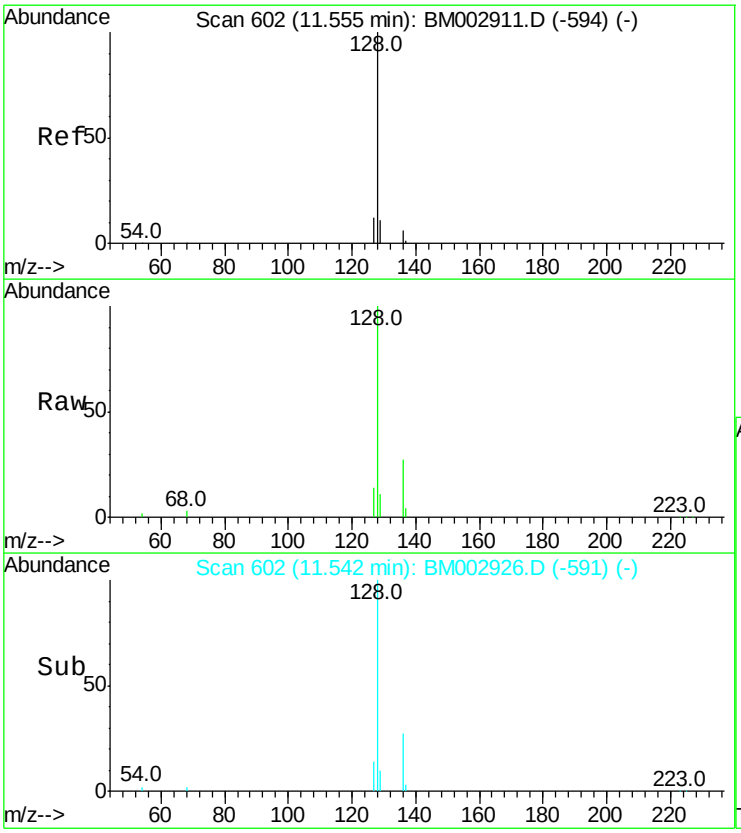
Tgt Ion: 82 Resp: 86729

Ion	Ratio	Lower	Upper
82	100		
128	42.3	34.1	51.1
54	51.8	42.6	63.8



Instrument :
BNA_M
ClientSampleId :
RAV-GT-101

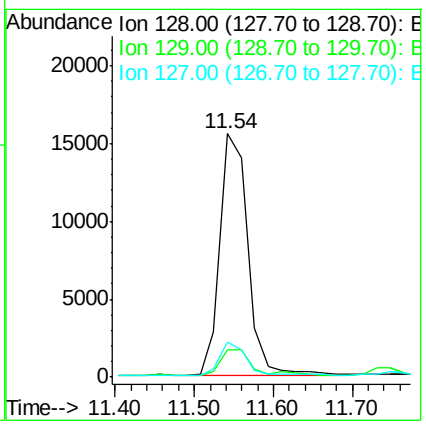
Manual Integrations APPROVED
MMdadoda
10/16/2015 3:58:40 PM

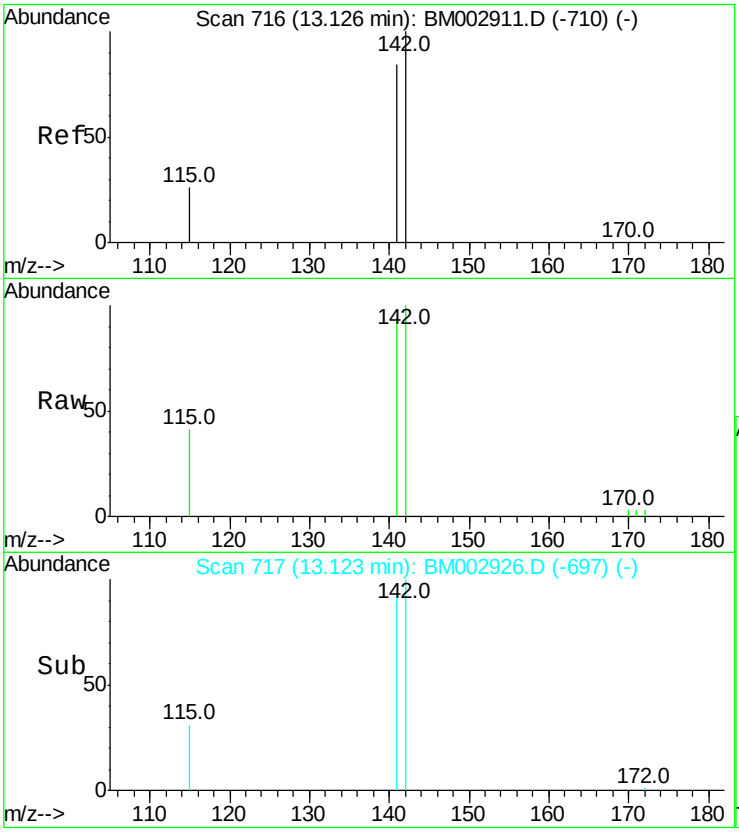


#10
Naphthalene
Concen: 0.38 ng
RT: 11.54 min Scan# 602
Delta R.T. -0.01 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

Tgt Ion:128 Resp: 37977

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.4	14.2
127	14.1	9.6	14.4

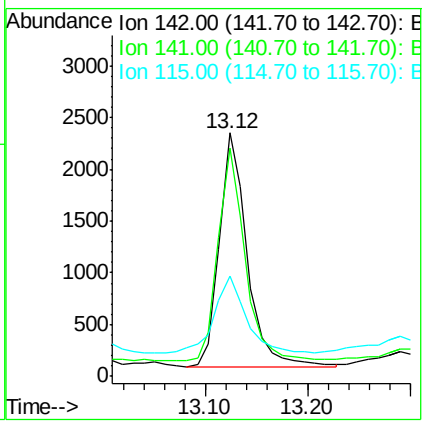




#12
2-Methylnaphthalene
Concen: 0.06 ng
RT: 13.12 min Scan# 717
Delta R.T. 0.00 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

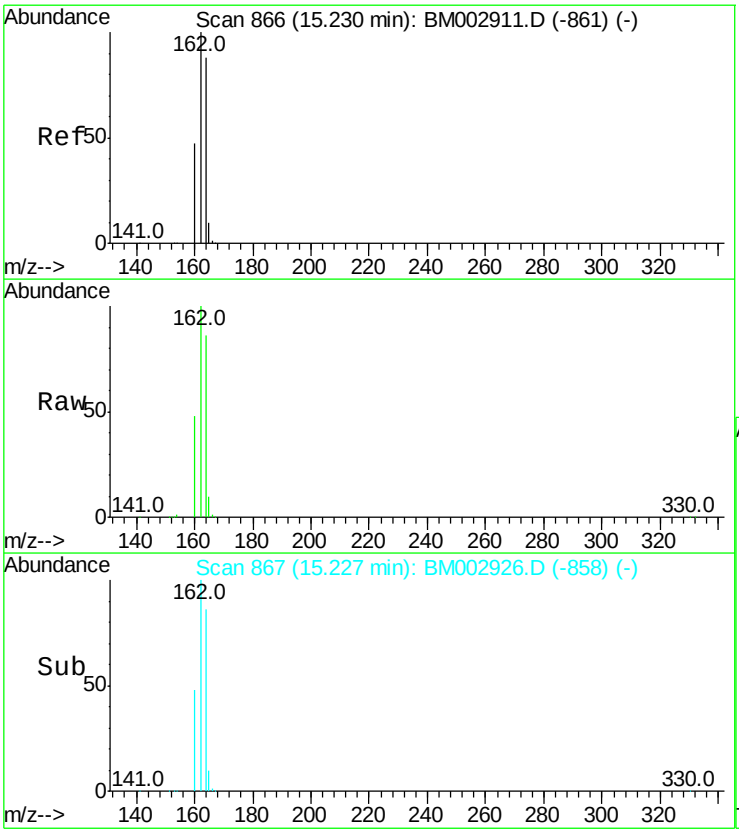
Tgt Ion:142 Resp: 4232

Ion	Ratio	Lower	Upper
142	100		
141	93.6	69.4	104.0
115	41.4	22.7	34.1#



Instrument :
BNA_M
ClientSampleId :
RAV-GT-101

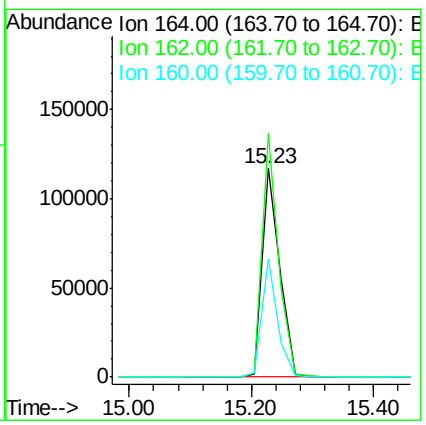
Manual Integrations APPROVED
MMdadoda
10/16/2015 3:58:40 PM

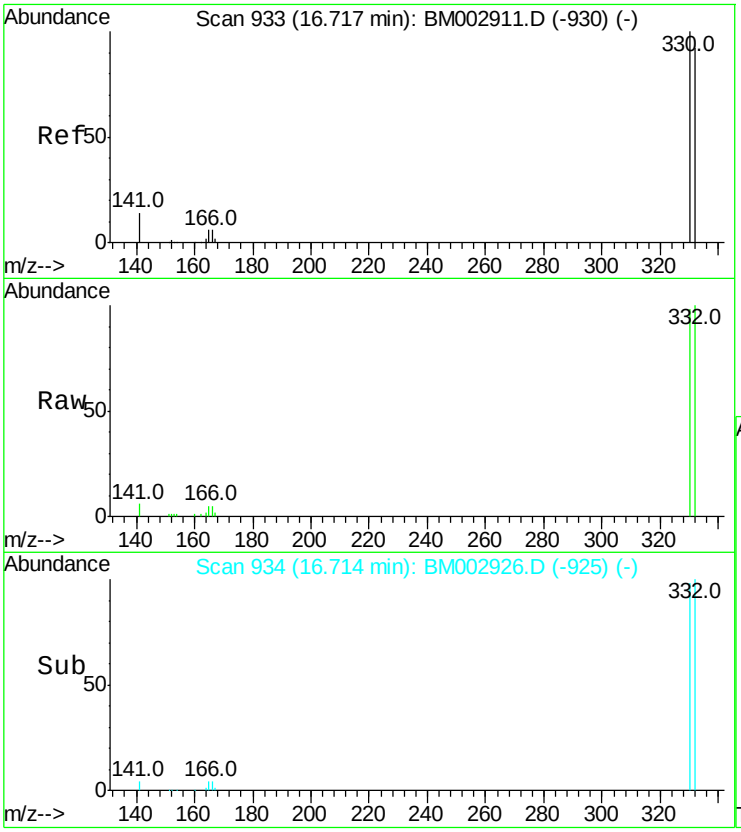


#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 15.23 min Scan# 867
Delta R.T. -0.01 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

Tgt Ion:164 Resp: 233122

Ion	Ratio	Lower	Upper
164	100		
162	116.7	79.6	119.4
160	56.4	33.1	49.7#

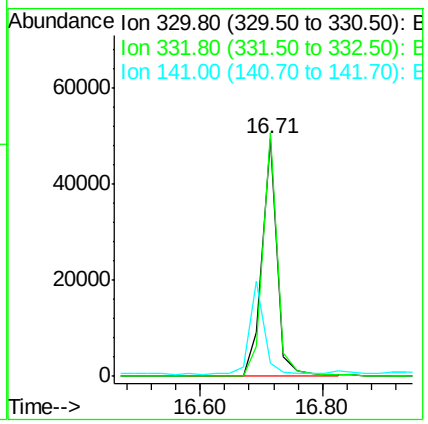




#14
2,4,6-Tribromophenol
Concen: 9.41 ng
RT: 16.71 min Scan# 934
Delta R.T. -0.01 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

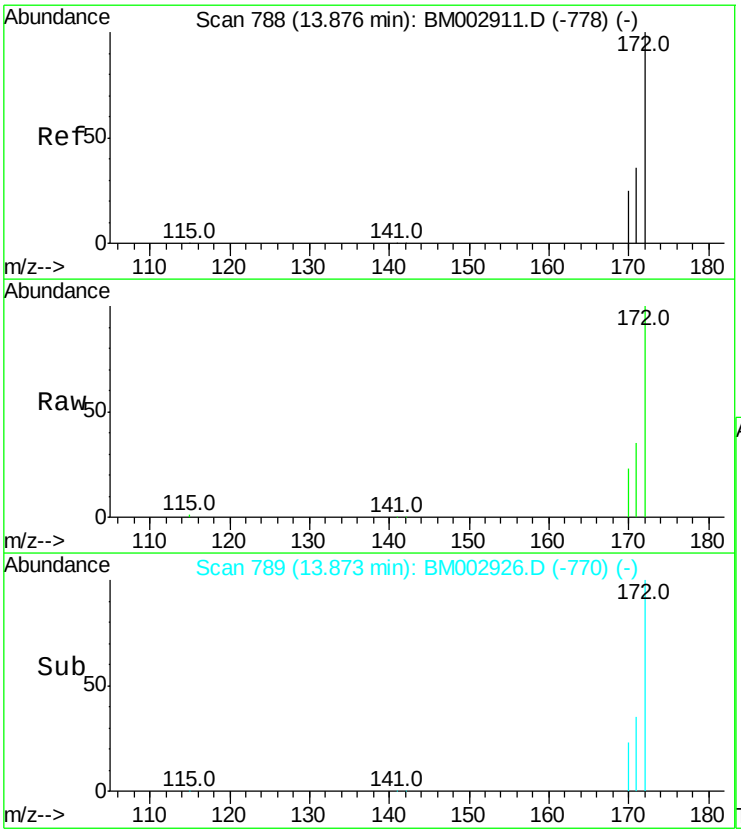
Tgt Ion:330 Resp: 86121

Ion	Ratio	Lower	Upper
330	100		
332	98.6	76.6	115.0
141	0.0	0.0	0.0



Instrument :
BNA_M
ClientSampleId :
RAV-GT-101

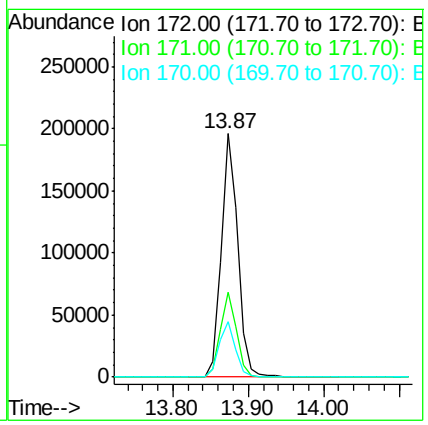
Manual Integrations APPROVED
MMdadoda
10/16/2015 3:58:40 PM

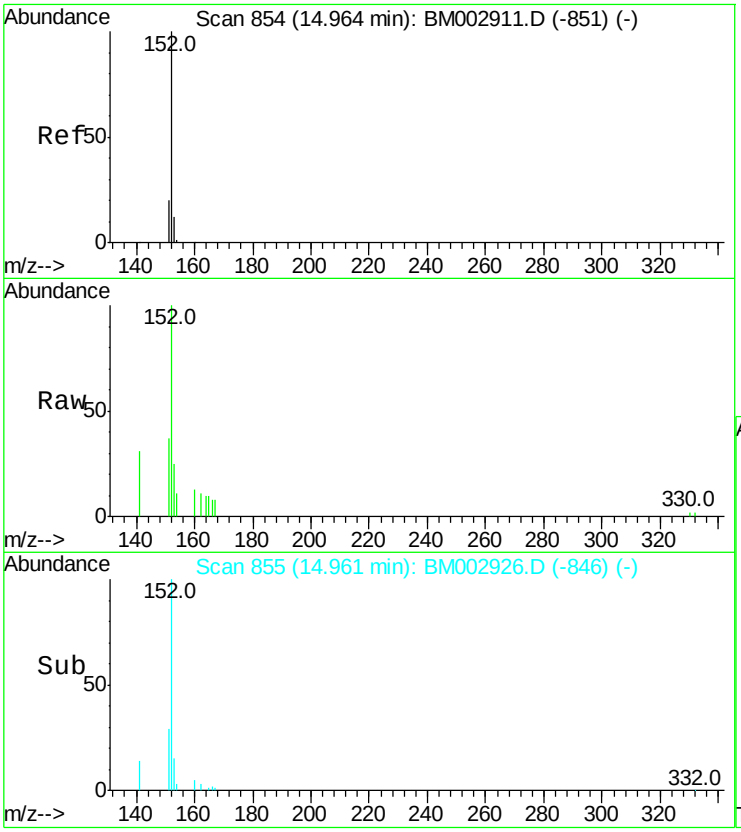


#15
2-Fluorobiphenyl
Concen: 4.07 ng
RT: 13.87 min Scan# 789
Delta R.T. -0.01 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

Tgt Ion:172 Resp: 303688

Ion	Ratio	Lower	Upper
172	100		
171	35.0	26.1	39.1
170	22.7	15.7	23.5





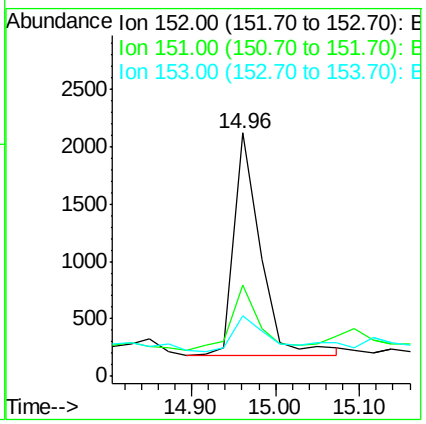
#16
Acenaphthylene
Concen: 0.04 ng
RT: 14.96 min Scan# 855
Delta R.T. -0.01 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

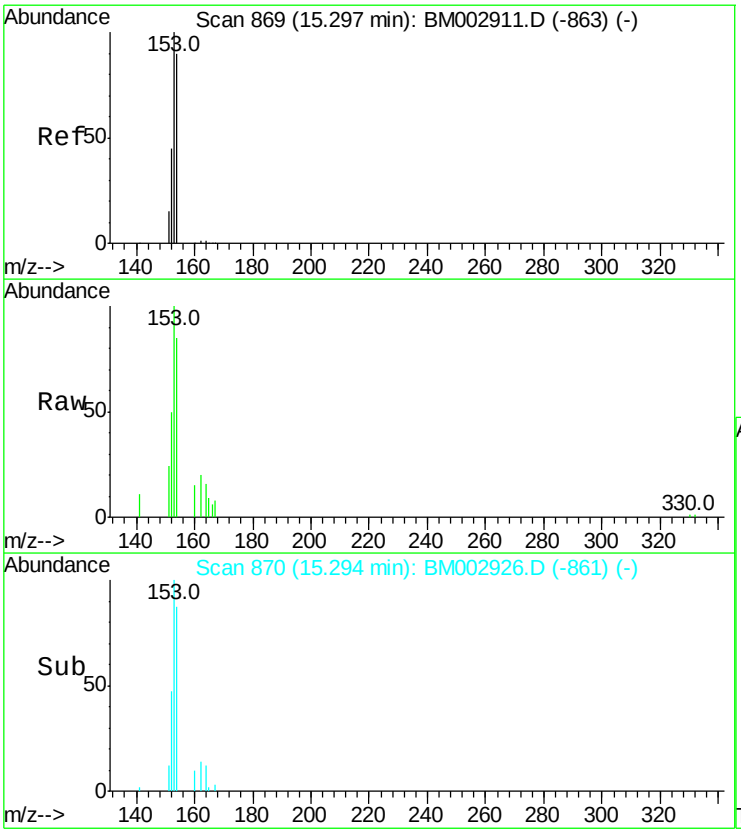
Tgt Ion:152 Resp: 4210

Ion	Ratio	Lower	Upper
152	100		
151	30.6	15.3	22.9#
153	21.2	10.5	15.7#

Instrument :
BNA_M
ClientSampleId :
RAV-GT-101

Manual Integrations APPROVED
MMdadoda
10/16/2015 3:58:40 PM

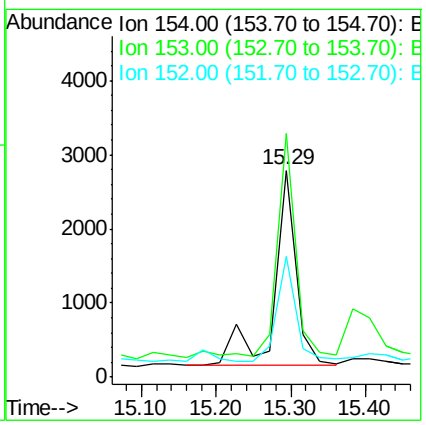


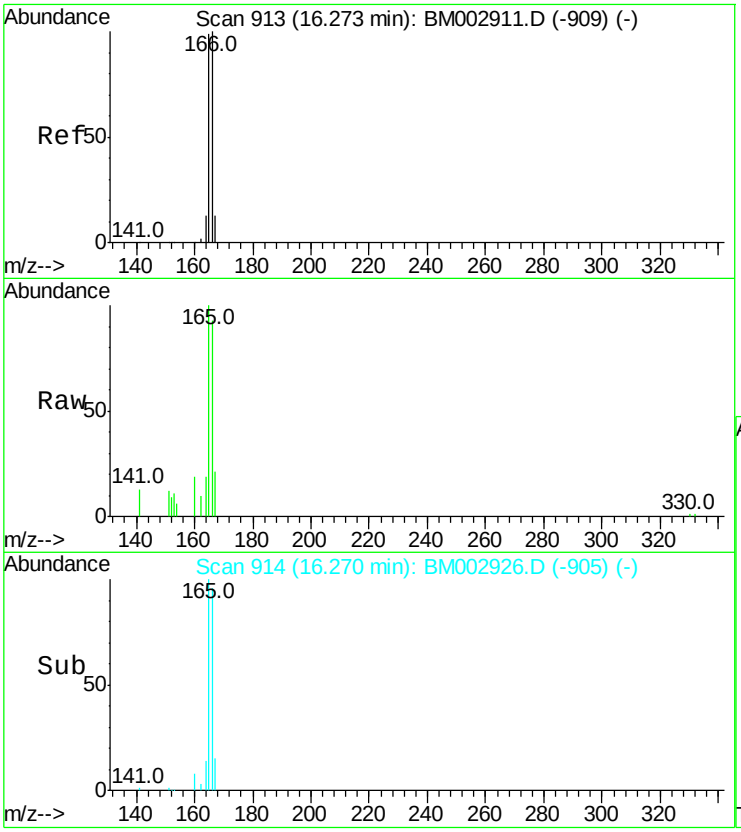


#17
Acenaphthene
Concen: 0.08 ng
RT: 15.29 min Scan# 870
Delta R.T. -0.01 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

Tgt Ion:154 Resp: 5369

Ion	Ratio	Lower	Upper
154	100		
153	91.2	0.0	0.0#
152	47.3	0.0	0.0#

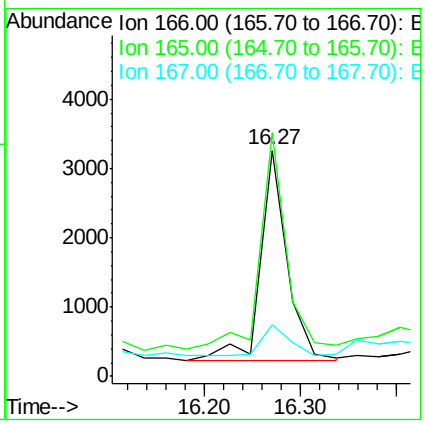




#18
Fluorene
Concen: 0.07 ng
RT: 16.27 min Scan# 914
Delta R.T. -0.01 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

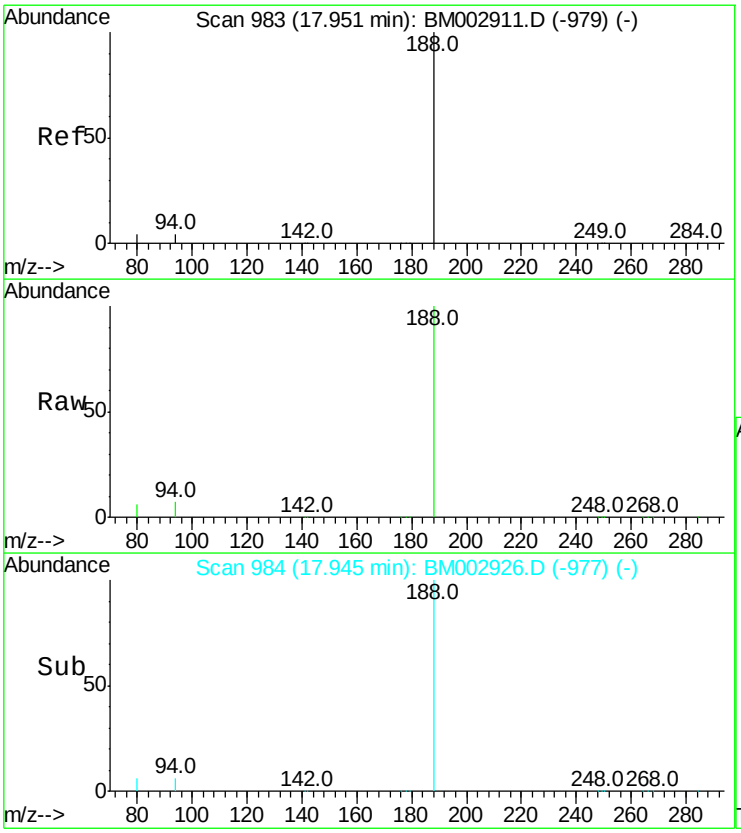
Tgt Ion:166 Resp: 5850

Ion	Ratio	Lower	Upper
166	100		
165	100.7	77.3	115.9
167	15.3	10.9	16.3



Instrument :
BNA_M
ClientSampleId :
RAV-GT-101

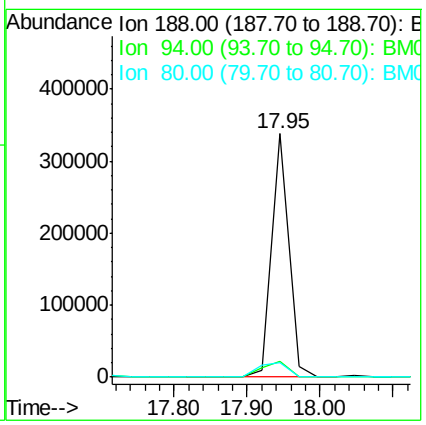
Manual Integrations APPROVED
MMdadoda
10/16/2015 3:58:40 PM

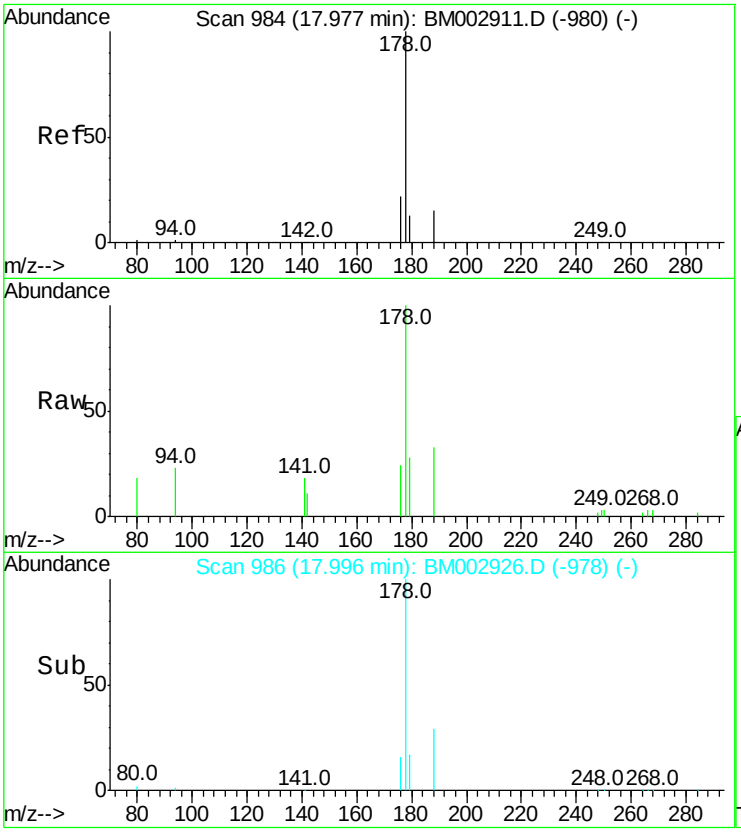


#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.95 min Scan# 984
Delta R.T. -0.01 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

Tgt Ion:188 Resp: 557544

Ion	Ratio	Lower	Upper
188	100		
94	6.7	15.2	22.8#
80	5.9	15.9	23.9#

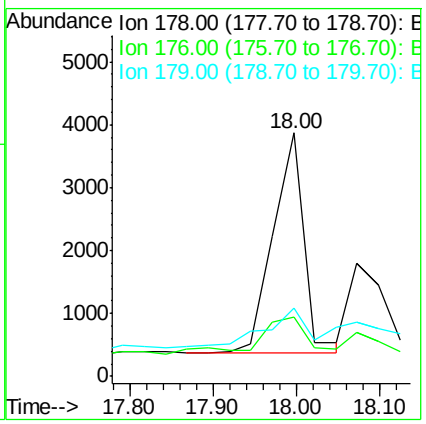




#23
Phenanthrene
Concen: 0.07 ng
RT: 18.00 min Scan# 986
Delta R.T. 0.02 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

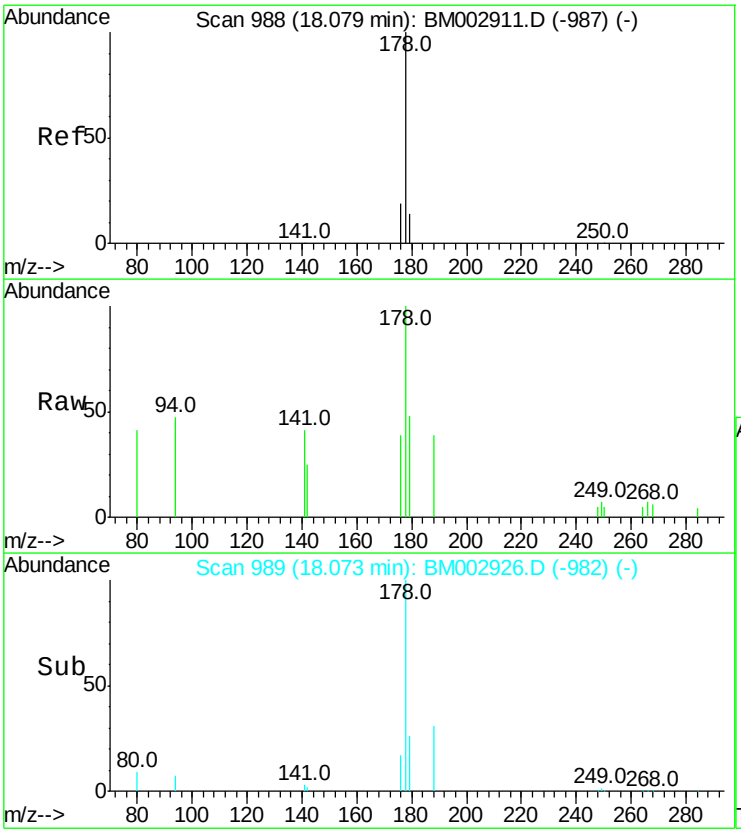
Tgt Ion:178 Resp: 9037

Ion	Ratio	Lower	Upper
178	100		
176	26.0	14.6	21.8#
179	23.9	12.5	18.7#



Instrument :
BNA_M
ClientSampleId :
RAV-GT-101

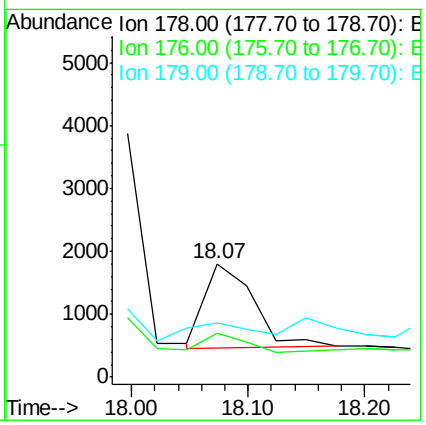
Manual Integrations APPROVED
MMdadoda
10/16/2015 3:58:40 PM

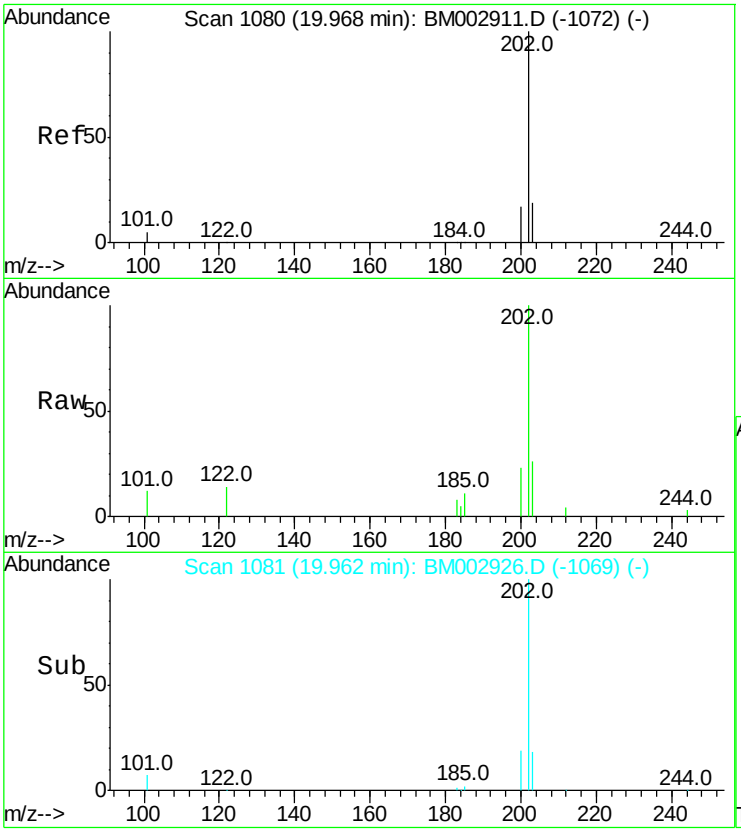


#24
Anthracene
Concen: 0.03 ng
RT: 18.07 min Scan# 989
Delta R.T. -0.01 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

Tgt Ion:178 Resp: 3944

Ion	Ratio	Lower	Upper
178	100		
176	16.8	13.9	20.9
179	12.4	12.6	18.8#





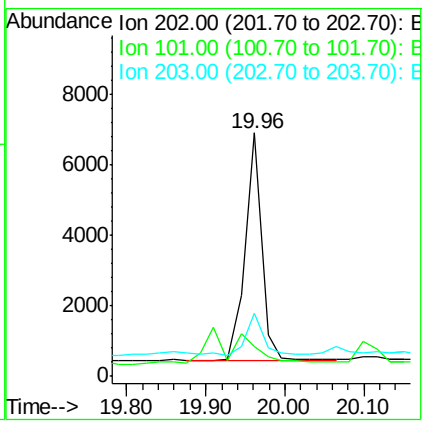
#25
Fluoranthene
Concen: 0.07 ng
RT: 19.96 min Scan# 1081
Delta R.T. 0.01 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

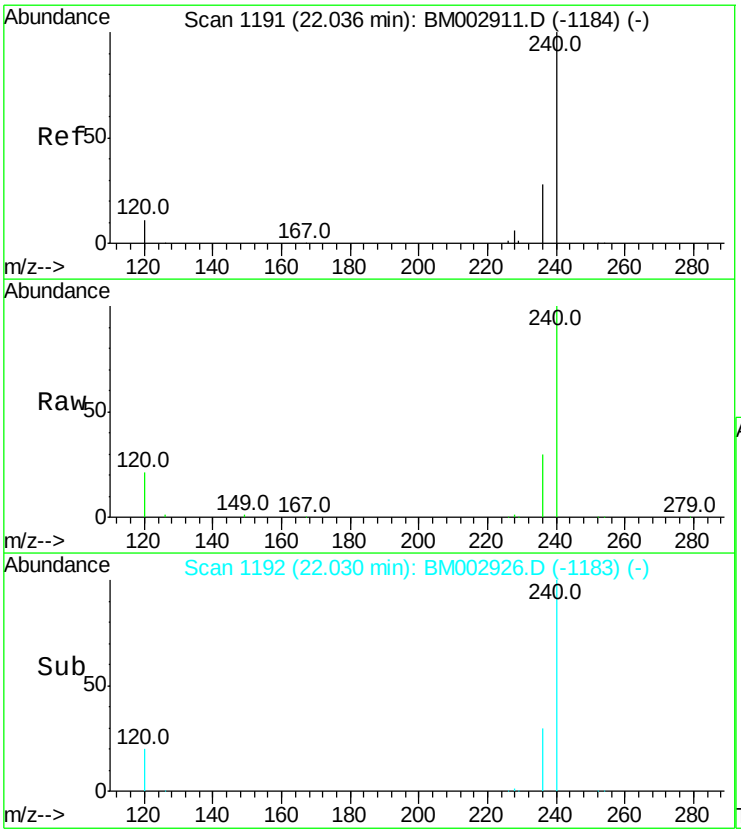
Tgt Ion:202 Resp: 9690

Ion	Ratio	Lower	Upper
202	100		
101	0.0	11.0	16.6#
203	16.4	13.8	20.6

Instrument :
BNA_M
ClientSampleId :
RAV-GT-101

Manual Integrations APPROVED
MMdadoda
10/16/2015 3:58:40 PM

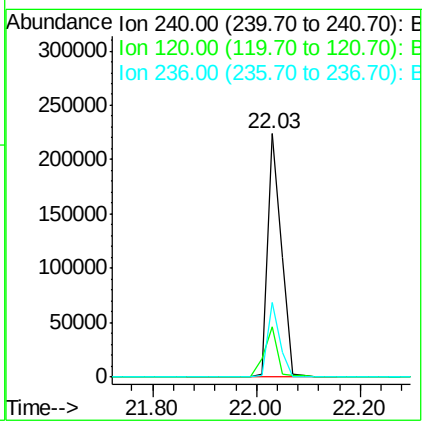


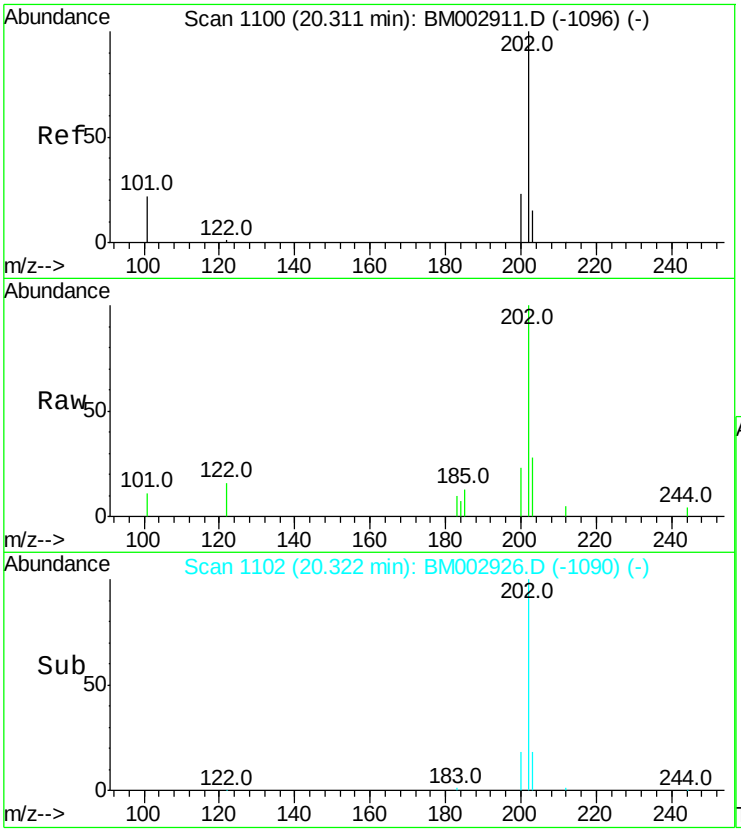


#26
Chrysene-d12
Concen: 5.00 ng
RT: 22.03 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

Tgt Ion:240 Resp: 419377

Ion	Ratio	Lower	Upper
240	100		
120	20.7	3.3	4.9#
236	30.5	19.5	29.3#





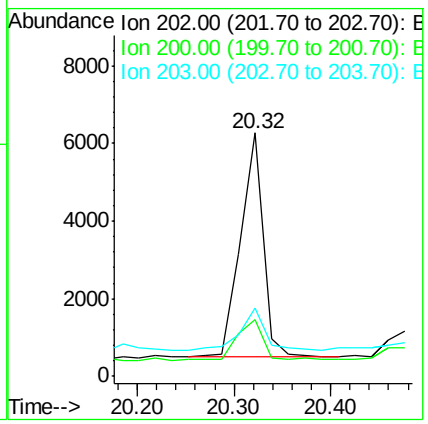
#28
Pyrene
Concen: 0.08 ng
RT: 20.32 min Scan# 1102
Delta R.T. 0.01 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

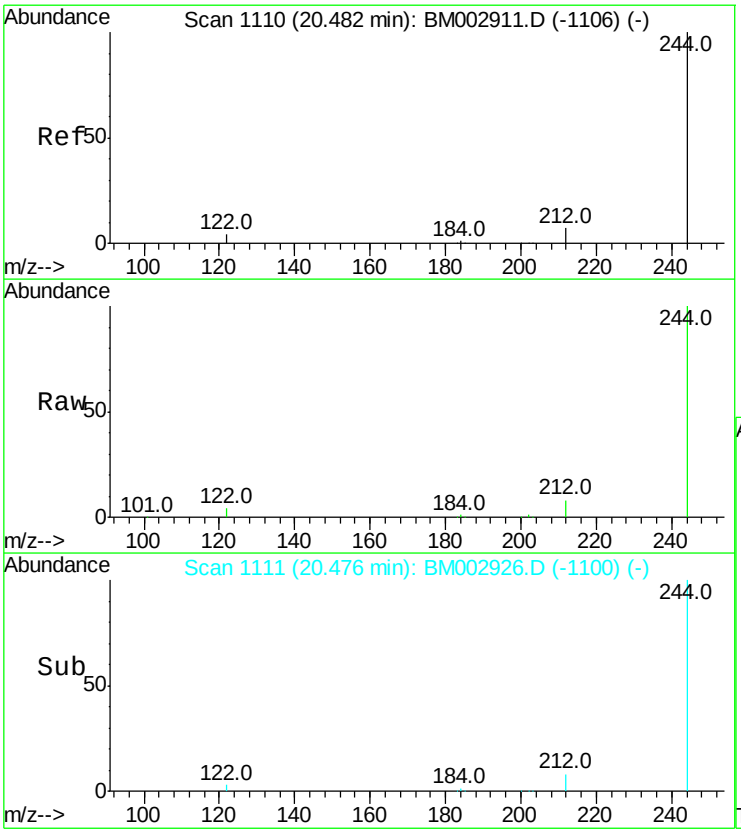
Tgt Ion:202 Resp: 9440

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.2	24.4
203	21.2	13.8	20.8#

Instrument :
BNA_M
ClientSampleId :
RAV-GT-101

Manual Integrations APPROVED
MMdadoda
10/16/2015 3:58:40 PM

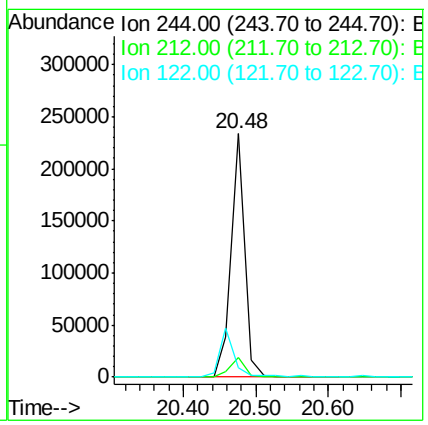


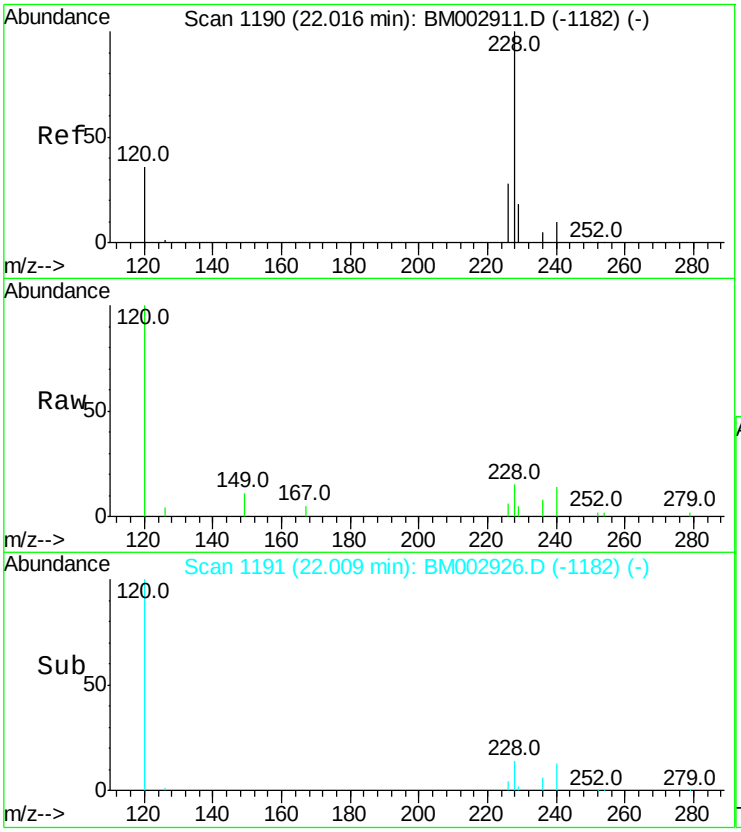


#29
Terphenyl-d14
Concen: 4.76 ng
RT: 20.48 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

Tgt Ion:244 Resp: 299003

Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.6	8.4
122	3.8	2.2	3.2#





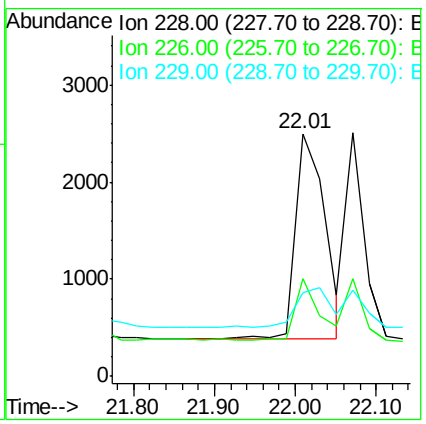
#30
Benzo(a)anthracene
Concen: 0.04 ng
RT: 22.01 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

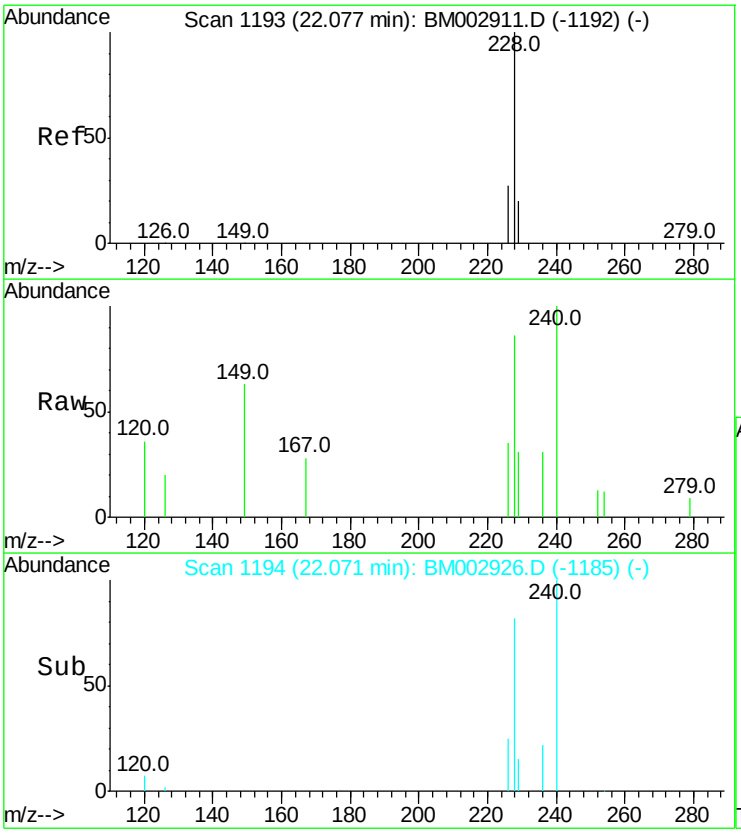
Tgt Ion:228 Resp: 5368

Ion	Ratio	Lower	Upper
228	100		
226	40.3	19.0	28.6#
229	34.5	16.8	25.2#

Instrument :
BNA_M
ClientSampleId :
RAV-GT-101

Manual Integrations APPROVED
MMdadoda
10/16/2015 3:58:40 PM

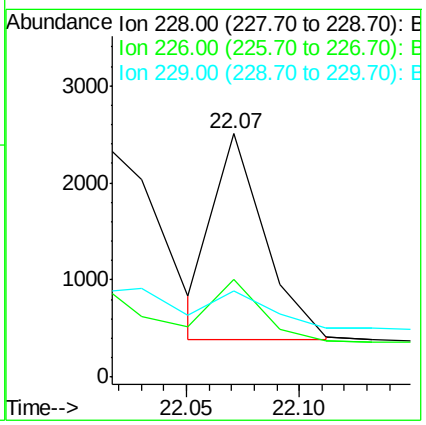


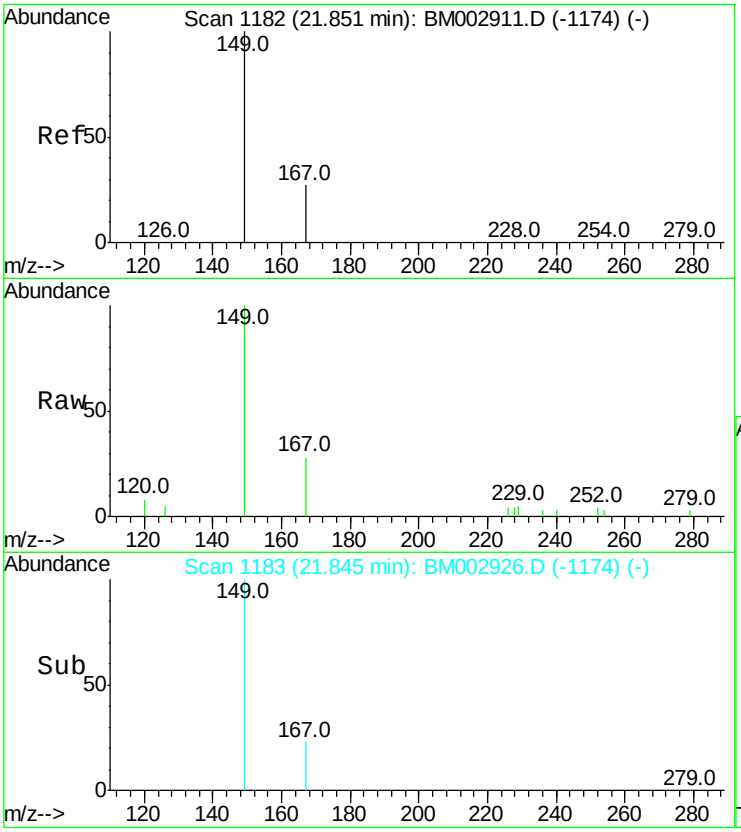


#32
Chrysene
Concen: 0.03 ng m
RT: 22.07 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

Tgt Ion:228 Resp: 3336

Ion	Ratio	Lower	Upper
228	100		
226	40.3	20.6	30.8#
229	35.4	17.4	26.2#





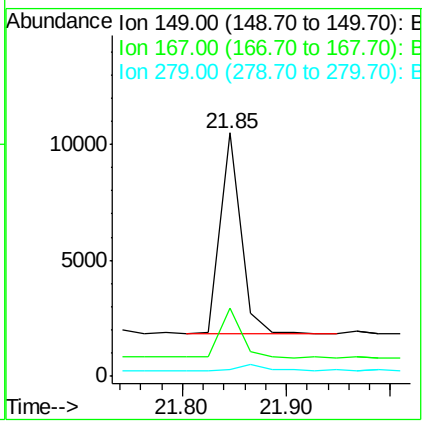
#33
Bis(2-ethylhexyl)phthalate
Concen: 0.42 ng
RT: 21.85 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

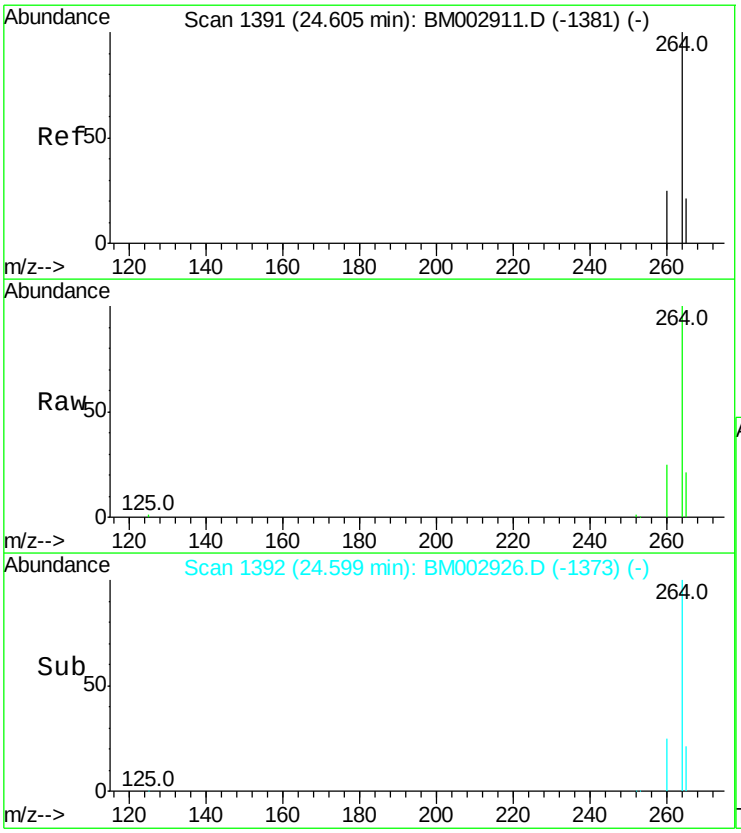
Tgt Ion:149 Resp: 11957

Ion	Ratio	Lower	Upper
149	100		
167	25.7	17.2	25.8
279	0.0	2.2	3.4#

Instrument :
BNA_M
ClientSampleId :
RAV-GT-101

Manual Integrations APPROVED
MMdadoda
10/16/2015 3:58:40 PM

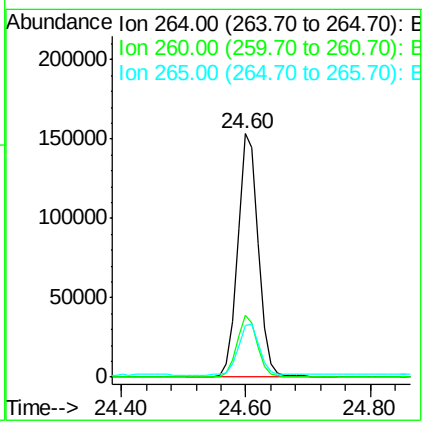


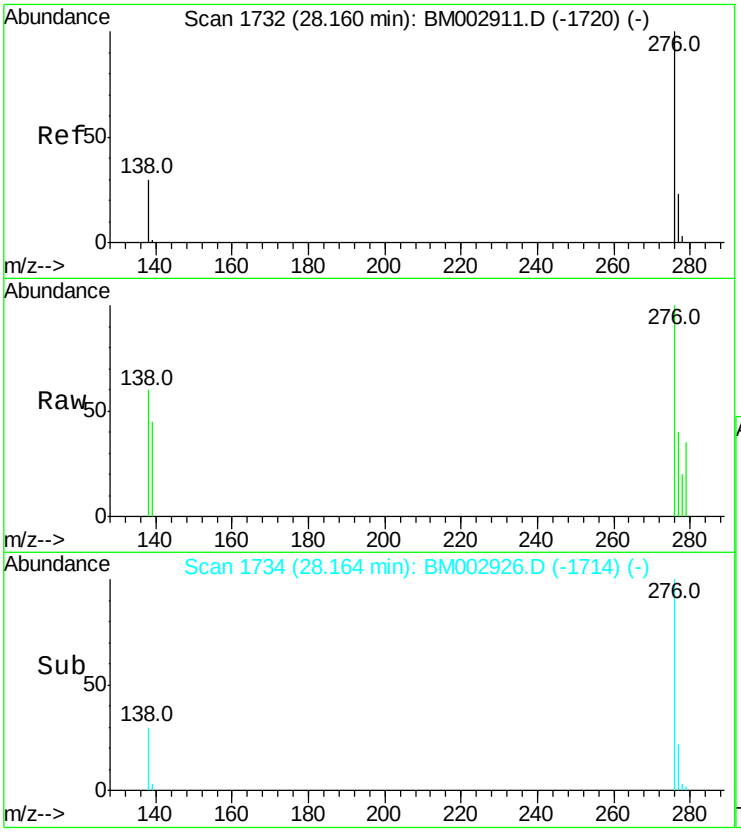


#35
Perylene-d12
Concen: 5.00 ng
RT: 24.60 min Scan# 1392
Delta R.T. -0.00 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

Tgt Ion:264 Resp: 353573

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.1	30.1
265	21.4	17.6	26.4

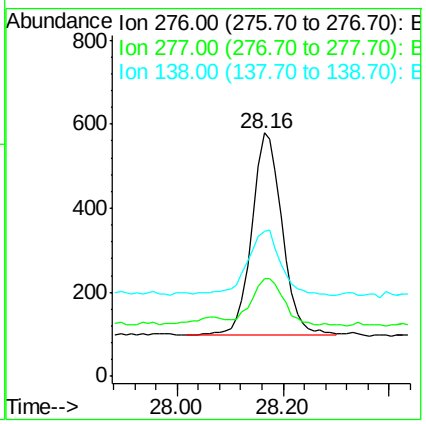




#40
Benzo(g,h,i)perylene
Concen: 0.02 ng
RT: 28.16 min Scan# 1734
Delta R.T. 0.01 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

Tgt Ion:276 Resp: 1913

Ion	Ratio	Lower	Upper
276	100		
277	40.4	19.4	29.0#
138	59.6	24.4	36.6#



Instrument :
BNA_M
ClientSampleId :
RAV-GT-101

Manual Integrations APPROVED
MMdadoda
10/16/2015 3:58:40 PM