Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017568.D
Acq On : 9 Jun 2015 10:07
Operator : TP/IZ
Sample : G2464-09DL 50X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FD-1-20150603DL

Manual Integrations APPROVED
apatel
6/9/2015 3:58:11 PM

Quant Time: Jun 09 11:25:48 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 08 18:39:50 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	21139	20.00	ng		0.00
21) Naphthalene-d8	10.40	136	91870	20.00	ng		0.00
38) Acenaphthene-d10	14.27	164	59511	20.00	ng		-0.02
63) Phenanthrene-d10	17.02	188	120732	20.00	ng		-0.02
75) Chrysene-d12	21.22	240	139582	20.00	ng		-0.02
86) Perylene-d12	23.45	264	141863	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.21	112	1929	1.61	ng		0.00
7) Phenol-d6	6.82	99	2798	1.71	ng		0.00
23) Nitrobenzene-d5	8.77	82	2223	1.21	ng		0.00
41) 2,4,6-Tribromophenol	15.78	330	1251	1.51	ng		0.00
44) 2-Fluorobiphenyl	12.89	172	4684	1.19	ng		-0.01
78) Terphenyl-d14	19.66	244	7568	1.12	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	10.45	128	441256	91.93	ng		99
37) 2-Methylnaphthalene	12.07	142	170130	46.11	ng		95
45) 1,1'-Biphenyl	13.10	154	28239	6.49	ng		96
48) Acenaphthylene	13.99	152	85269	13.31	ng	#	96
51) Acenaphthene	14.33	154	31619	8.37	ng		97
54) Dibenzofuran	14.67	168	36832	6.61	ng	#	87
57) Fluorene	15.33	166	76977	15.24	ng		95
70) Phenanthrene	17.06	178	389842	57.91	ng		97
71) Anthracene	17.16	178	102280	15.21	ng		95
74) Fluoranthene	19.09	202	218999	24.88	ng		97
77) Pyrene	19.46	202	259510	30.18	ng		98
80) Benzo(a)anthracene	21.21	228	113446	13.21	ng		95
82) Chrysene	21.25	228	90844	11.69	ng		96
85) Indeno(1,2,3-cd)pyrene	25.71	276	30134	3.09	ng	#	85
87) Benzo(b)fluoranthene	22.78	252	80020m	8.90	ng		
88) Benzo(k)fluoranthene	22.81	252	34783m	4.04	ng		
89) Benzo(a)pyrene	23.35	252	84981	10.31	ng		98
91) Benzo(g,h,i)perylene	26.41	276	27812	3.41	ng	#	86

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

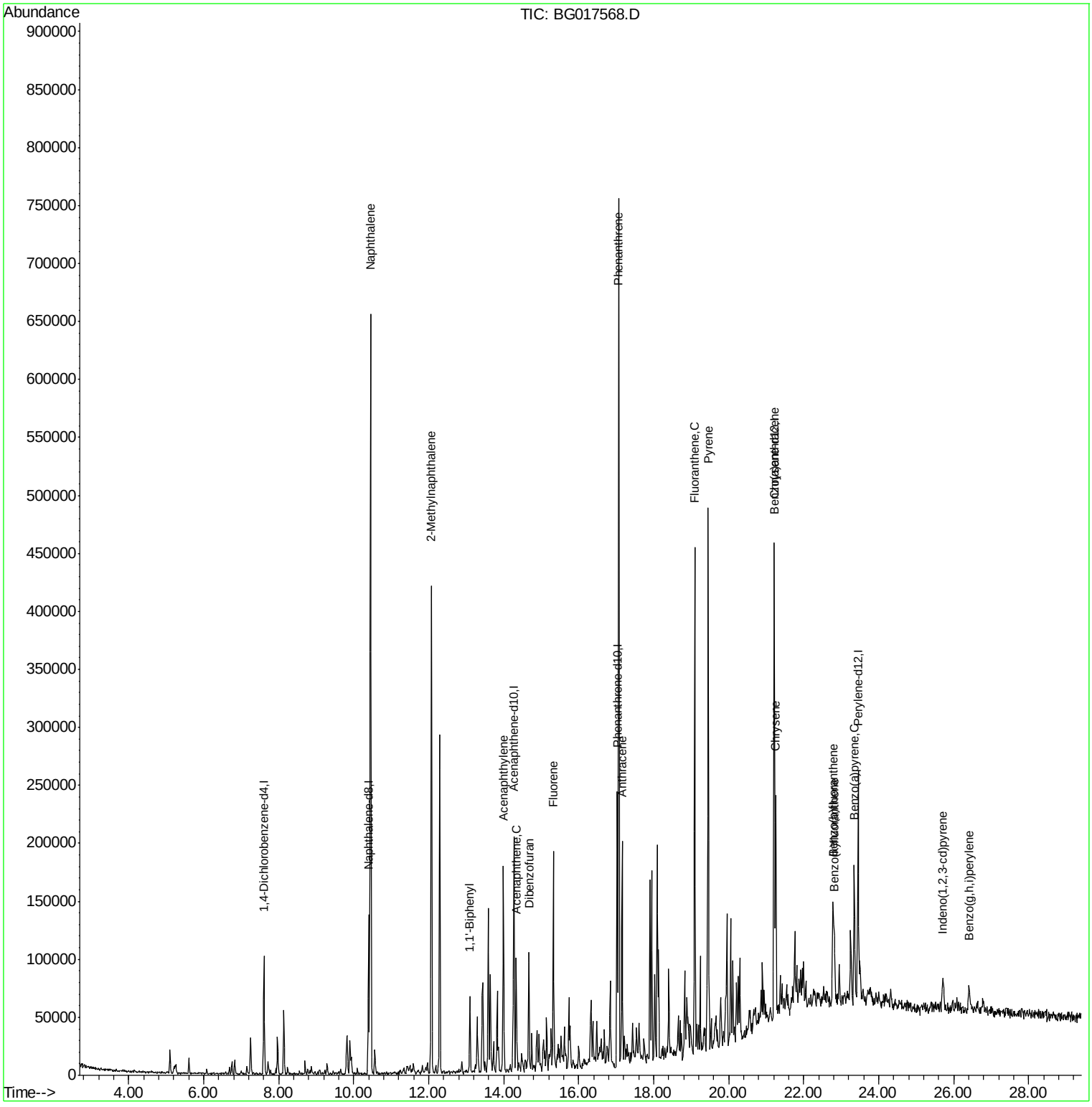
Quantitation Report (QT Reviewed)

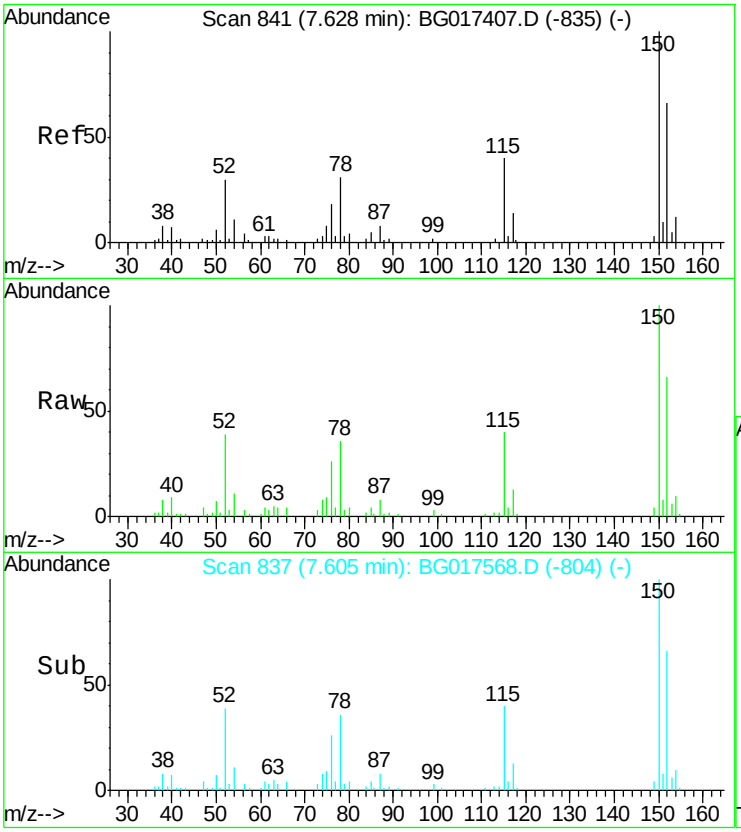
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017568.D
Acq On : 9 Jun 2015 10:07
Operator : TP/IZ
Sample : G2464-09DL 50X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 09 11:25:48 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 08 18:39:50 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
FD-1-20150603DL

Manual Integrations APPROVED
apatel
6/9/2015 3:58:11 PM

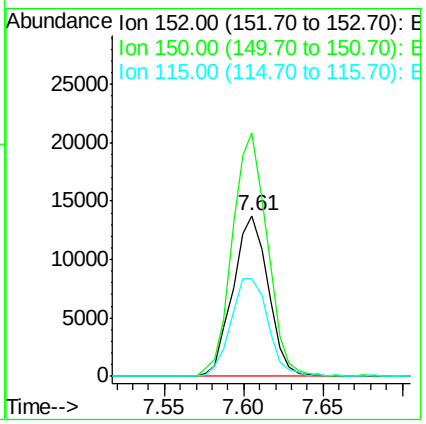




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.61 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

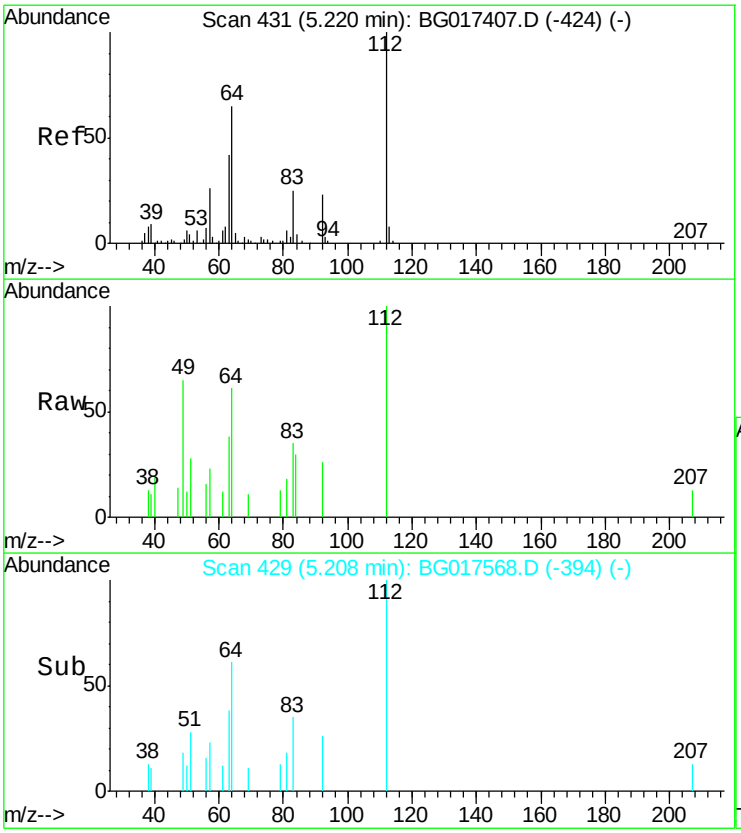
Tgt Ion:152 Resp: 21139

Ion	Ratio	Lower	Upper
152	100		
150	151.4	121.7	182.5
115	60.7	48.6	73.0



Instrument :
BNA_G
ClientSampleId :
FD-1-20150603DL

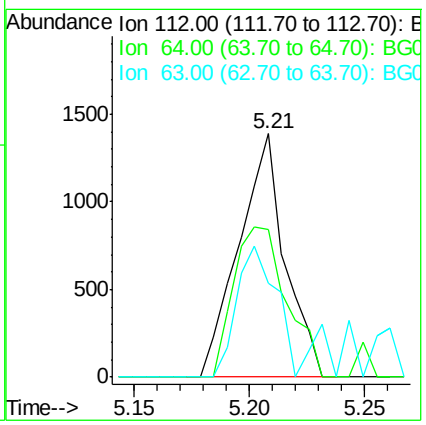
Manual Integrations APPROVED
apatel
6/9/2015 3:58:11 PM

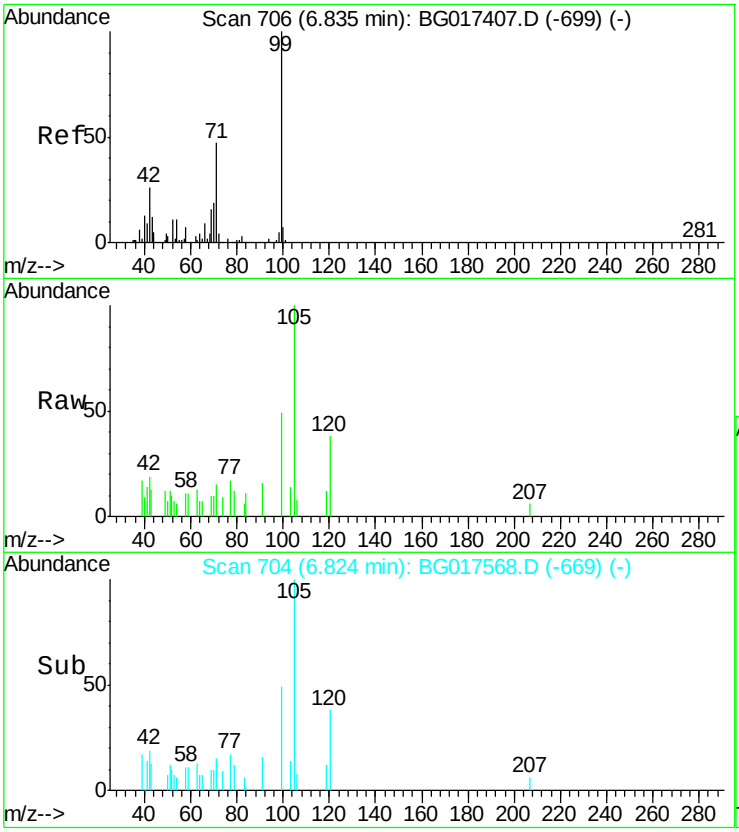


#5
2-Fluorophenol
Concen: 1.61 ng
RT: 5.21 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

Tgt Ion:112 Resp: 1929

Ion	Ratio	Lower	Upper
112	100		
64	60.8	51.6	77.4
63	38.3	33.3	49.9





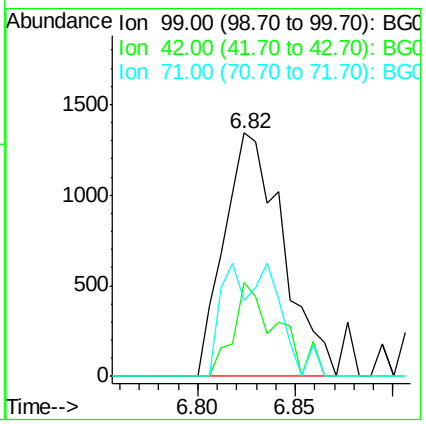
#7
Phenol-d6
Concen: 1.71 ng
RT: 6.82 min Scan# 704
Delta R.T. 0.01 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

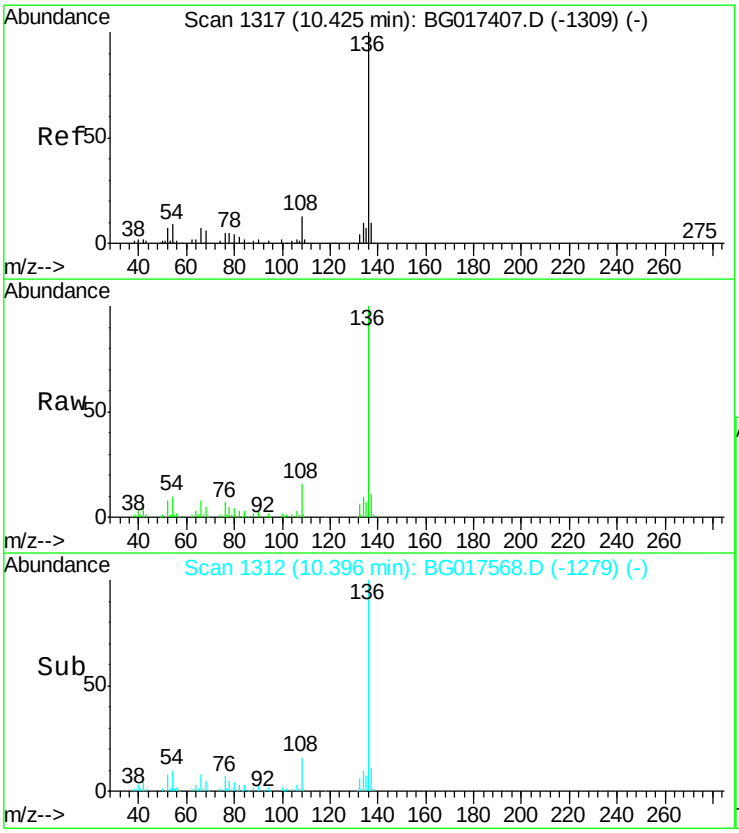
Tgt Ion: 99 Resp: 2798

Ion	Ratio	Lower	Upper
99	100		
42	38.3	21.0	31.6#
71	31.3	37.2	55.8#

Instrument :
BNA_G
ClientSampleId :
FD-1-20150603DL

Manual Integrations APPROVED
apatel
6/9/2015 3:58:11 PM

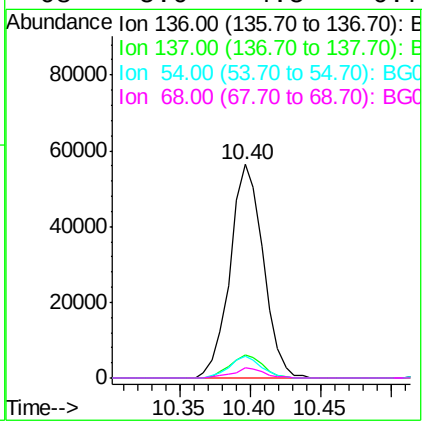


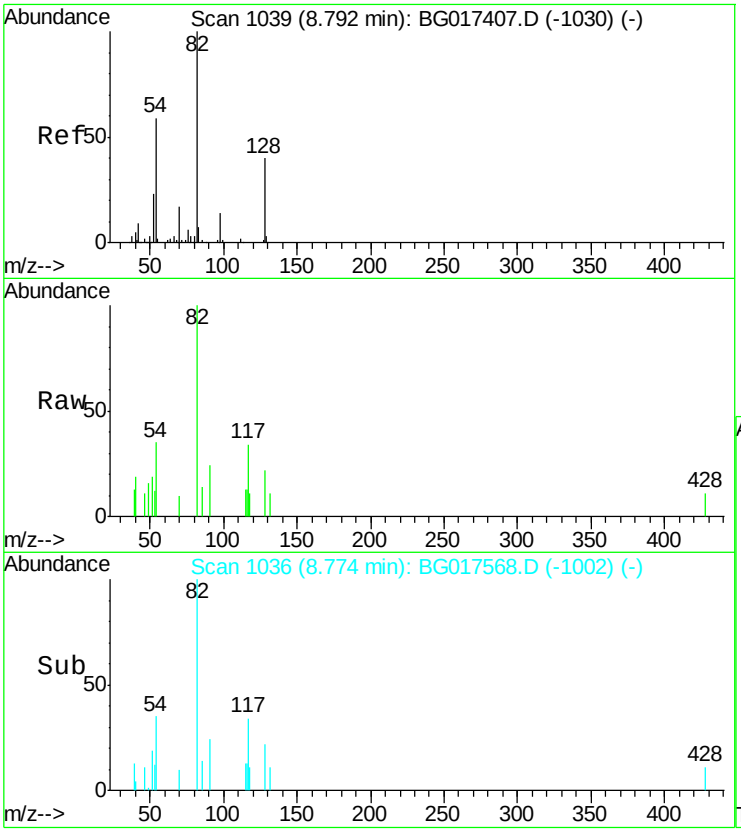


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.40 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

Tgt Ion:136 Resp: 91870

Ion	Ratio	Lower	Upper
136	100		
137	10.7	7.9	11.9
54	10.5	7.2	10.8
68	5.0	4.5	6.7





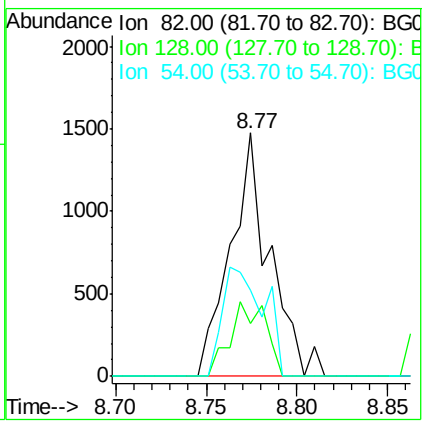
#23
Nitrobenzene-d5
Concen: 1.21 ng
RT: 8.77 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

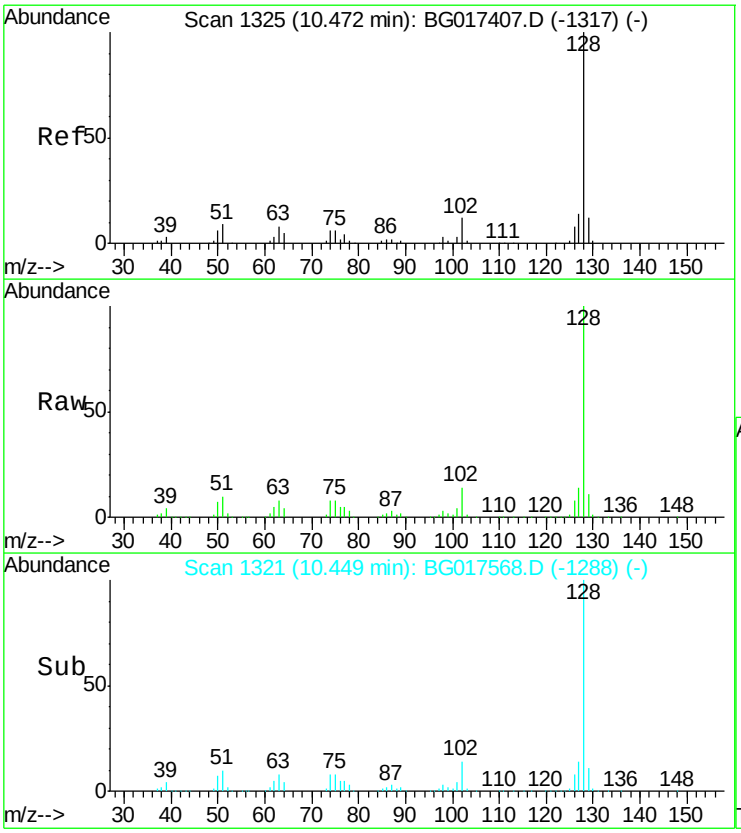
Tgt Ion: 82 Resp: 2223

Ion	Ratio	Lower	Upper
82	100		
128	21.5	32.2	48.4#
54	35.2	47.4	71.2#

Instrument :
BNA_G
ClientSampleId :
FD-1-20150603DL

Manual Integrations APPROVED
apatel
6/9/2015 3:58:11 PM

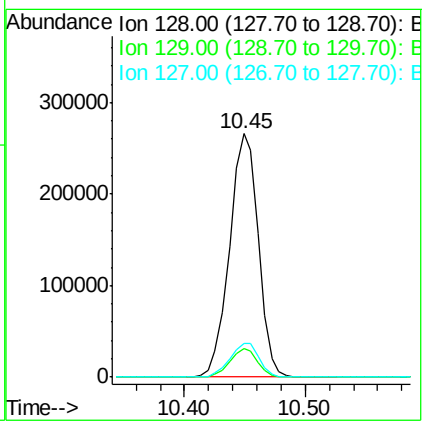


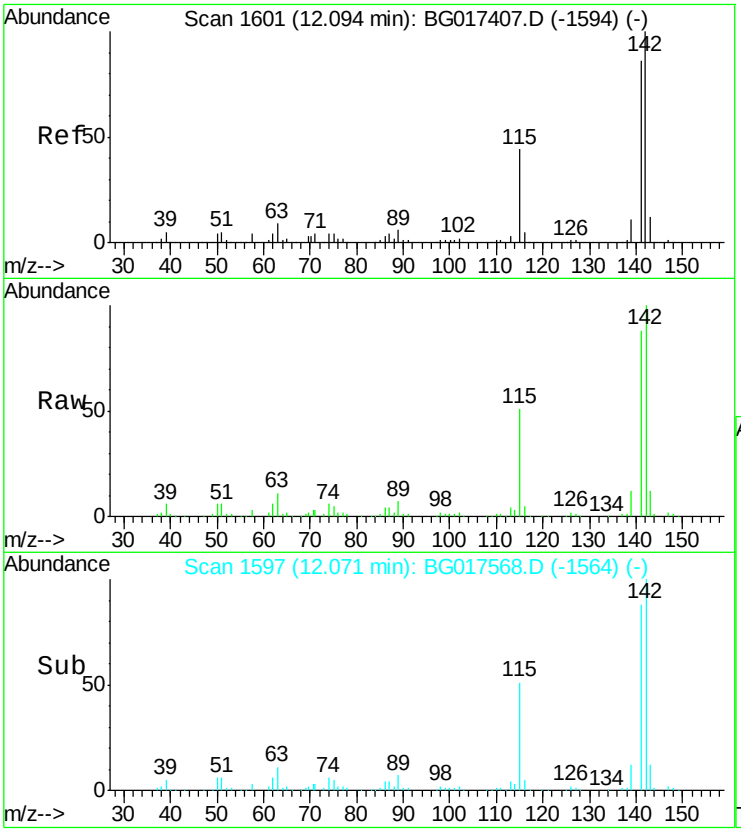


#31
Naphthalene
Concen: 91.93 ng
RT: 10.45 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

Tgt Ion:128 Resp: 441256

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	14.0	10.9	16.3

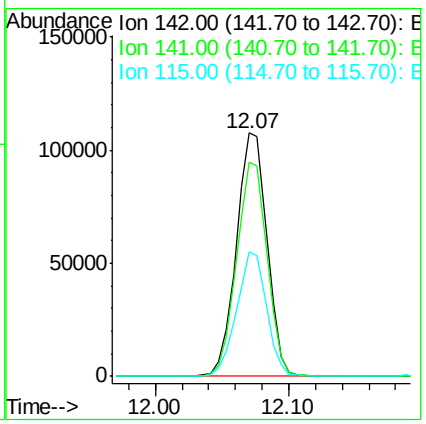




#37
2-Methylnaphthalene
Concen: 46.11 ng
RT: 12.07 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

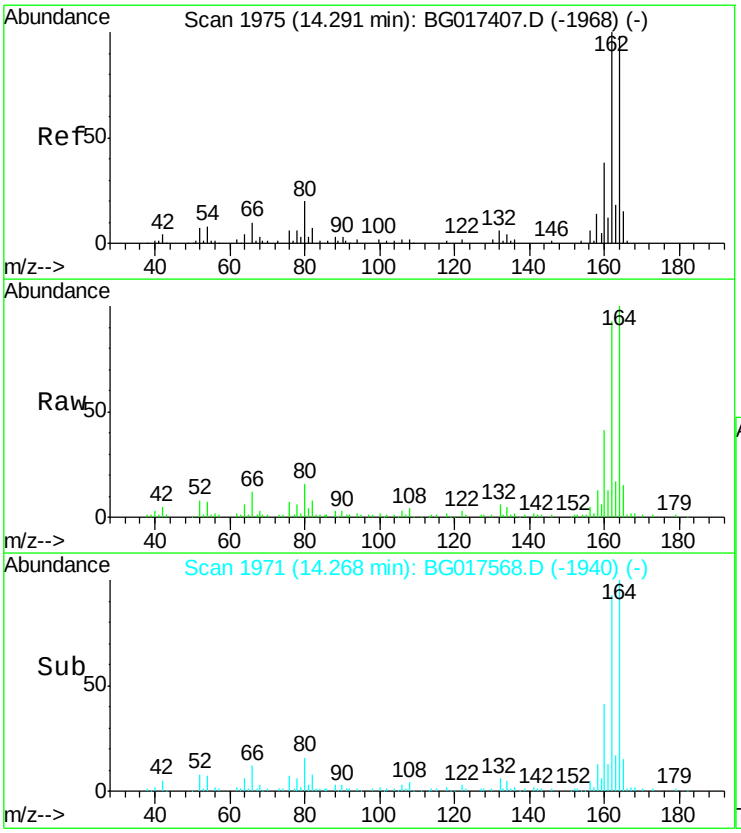
Tgt Ion:142 Resp: 170130

Ion	Ratio	Lower	Upper
142	100		
141	87.8	68.6	102.8
115	51.3	35.3	52.9



Instrument :
BNA_G
ClientSampleId :
FD-1-20150603DL

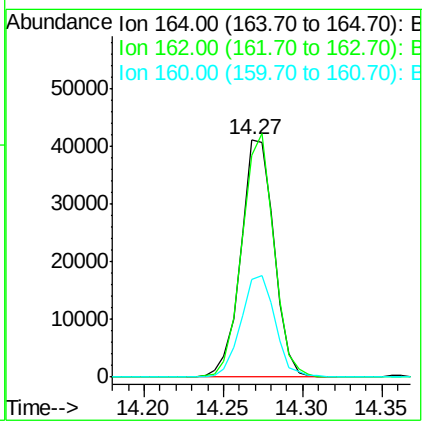
Manual Integrations APPROVED
apatel
6/9/2015 3:58:11 PM

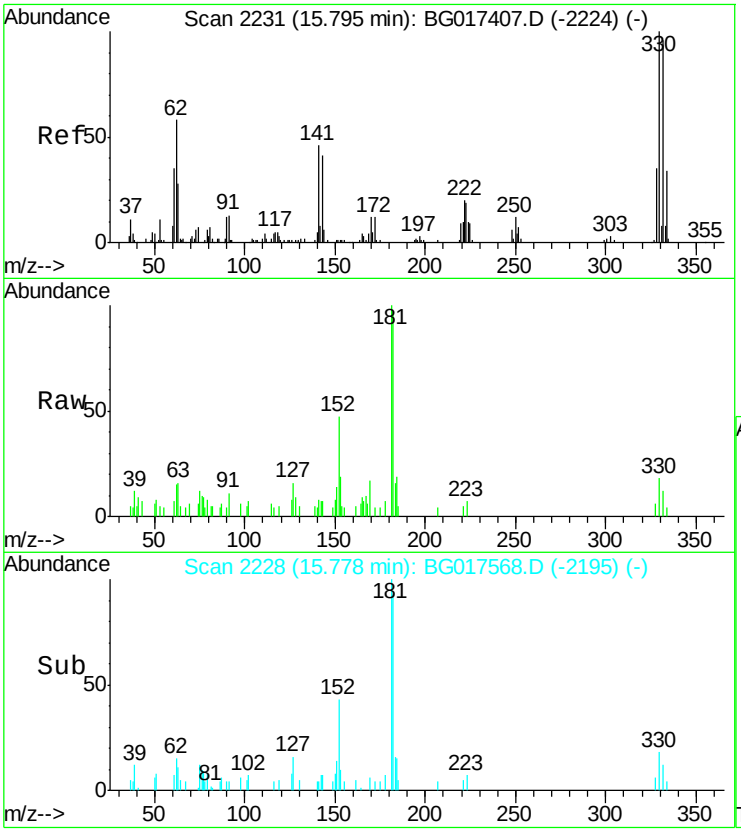


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.27 min Scan# 1971
Delta R.T. -0.02 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

Tgt Ion:164 Resp: 59511

Ion	Ratio	Lower	Upper
164	100		
162	93.3	81.8	122.6
160	41.0	31.0	46.4





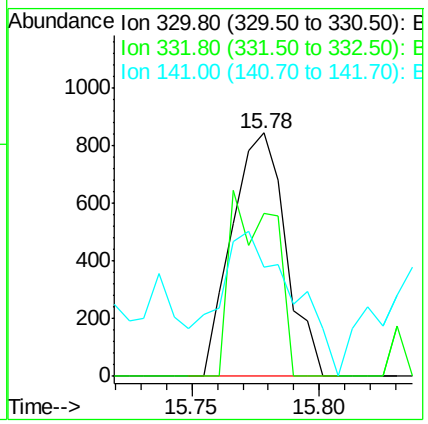
#41
2,4,6-Tribromophenol
Concen: 1.51 ng
RT: 15.78 min Scan# 2228
Delta R.T. -0.01 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

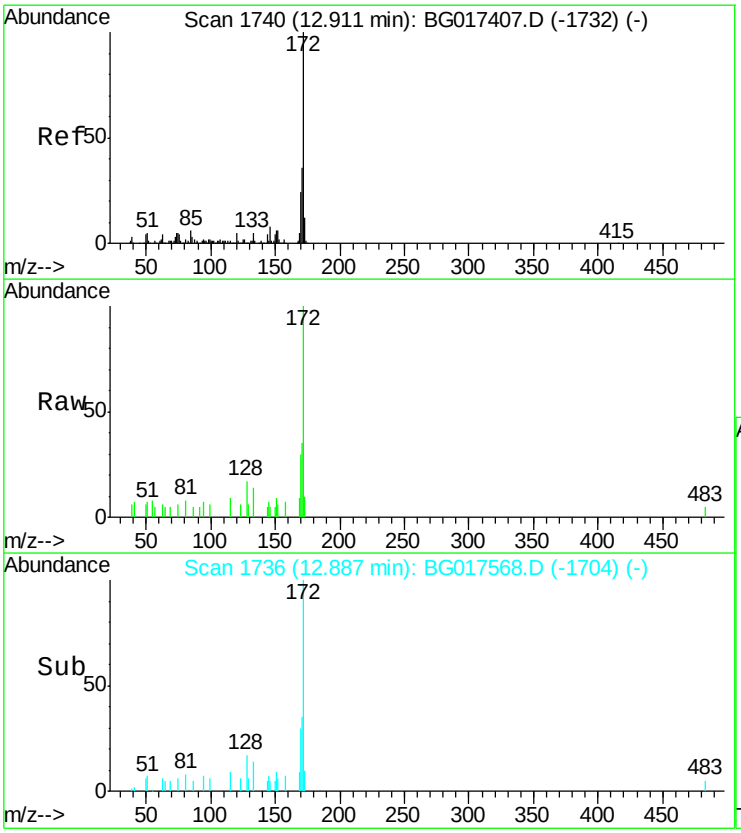
Tgt Ion:330 Resp: 1251

Ion	Ratio	Lower	Upper
330	100		
332	62.5	75.9	113.9#
141	81.7	40.2	60.4#

Instrument :
BNA_G
ClientSampleId :
FD-1-20150603DL

Manual Integrations APPROVED
apatel
6/9/2015 3:58:11 PM

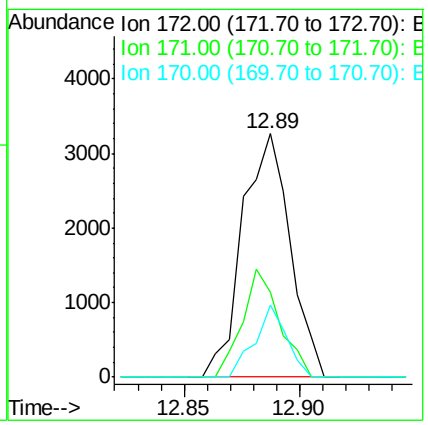


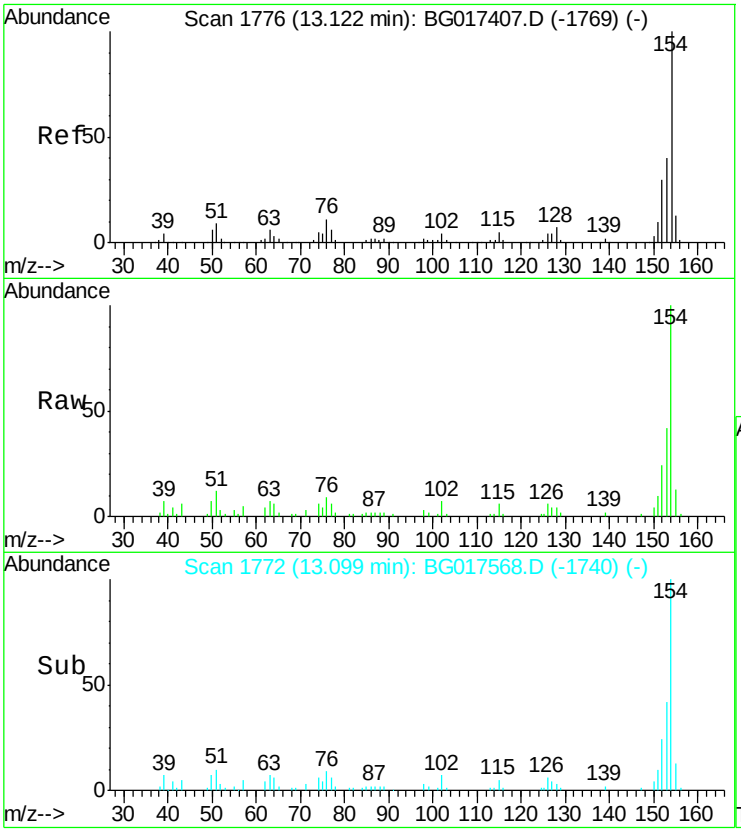


#44
2-Fluorobiphenyl
Concen: 1.19 ng
RT: 12.89 min Scan# 1736
Delta R.T. -0.01 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

Tgt Ion:172 Resp: 4684

Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.0	43.6
170	29.6	18.9	28.3#

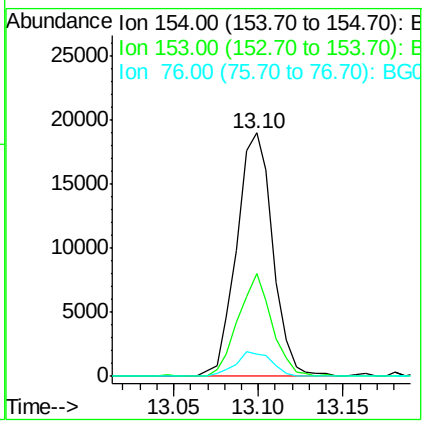




#45
1,1'-Biphenyl
Concen: 6.49 ng
RT: 13.10 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

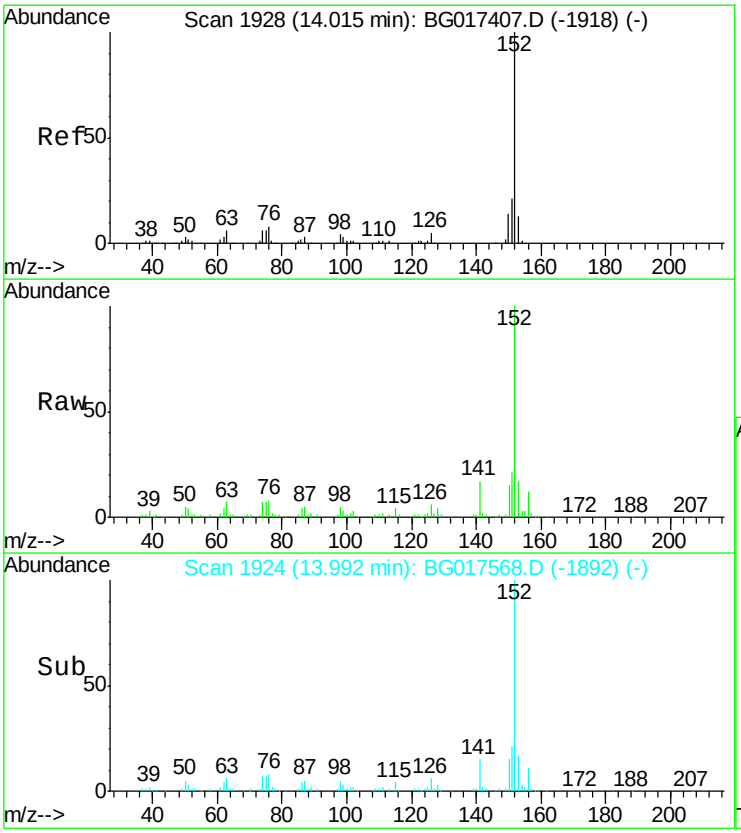
Tgt Ion:154 Resp: 28239

Ion	Ratio	Lower	Upper
154	100		
153	42.2	20.1	60.1
76	9.0	0.0	31.5



Instrument :
BNA_G
ClientSampleId :
FD-1-20150603DL

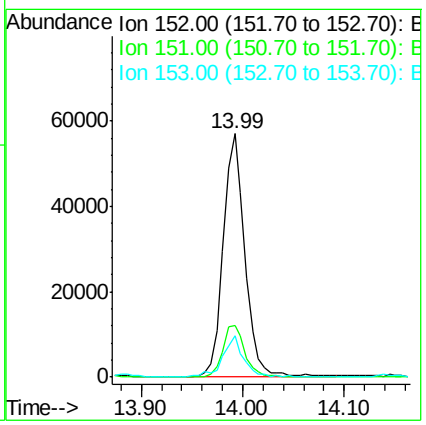
Manual Integrations APPROVED
apatel
6/9/2015 3:58:11 PM

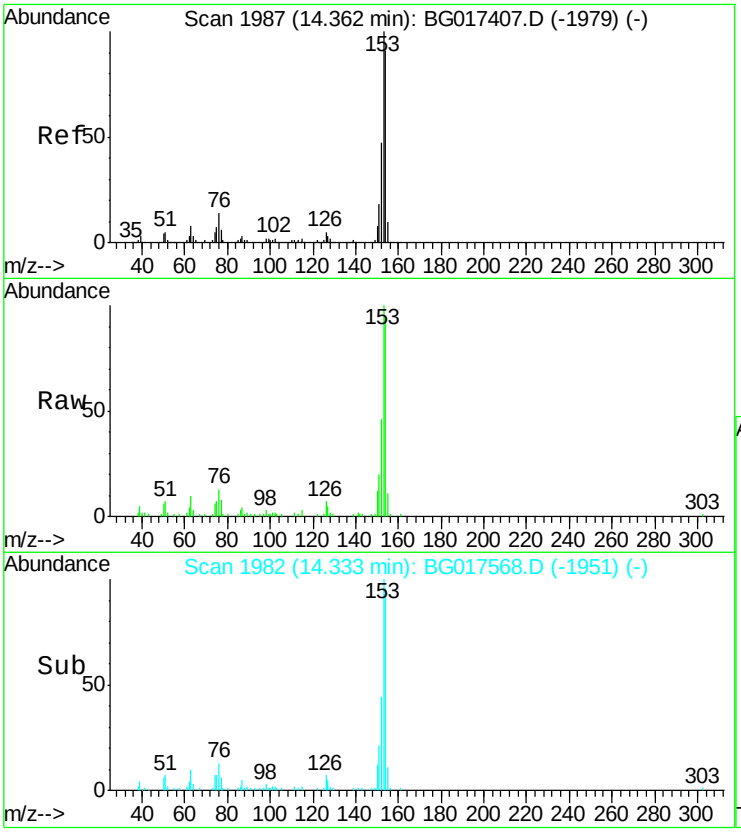


#48
Acenaphthylene
Concen: 13.31 ng
RT: 13.99 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

Tgt Ion:152 Resp: 85269

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.5	24.7
153	17.0	10.7	16.1#

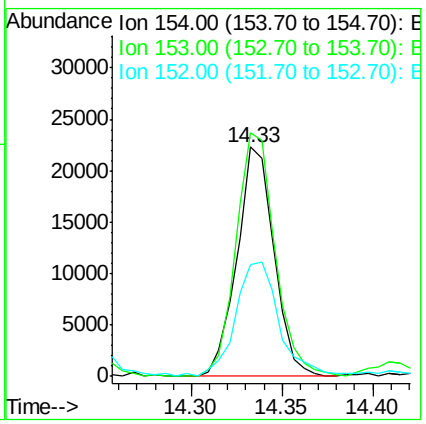




#51
Acenaphthene
Concen: 8.37 ng
RT: 14.33 min Scan# 1982
Delta R.T. -0.02 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

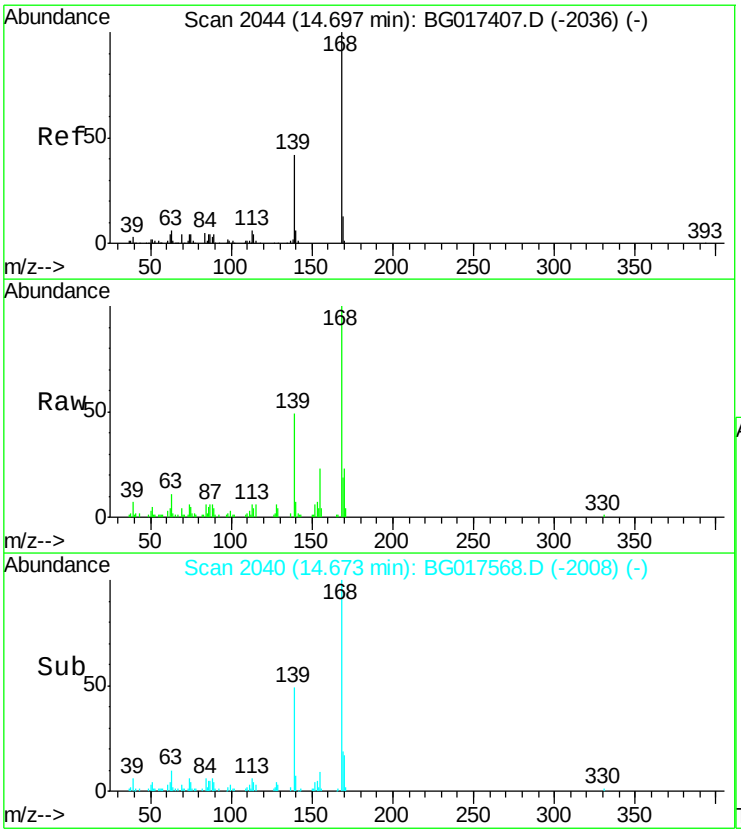
Tgt Ion:154 Resp: 31619

Ion	Ratio	Lower	Upper
154	100		
153	106.2	87.7	131.5
152	48.5	40.8	61.2



Instrument :
BNA_G
ClientSampleId :
FD-1-20150603DL

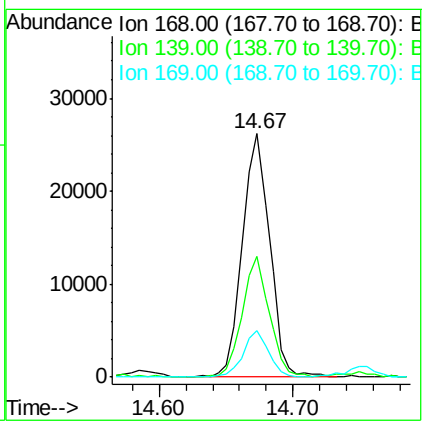
Manual Integrations APPROVED
apatel
6/9/2015 3:58:11 PM

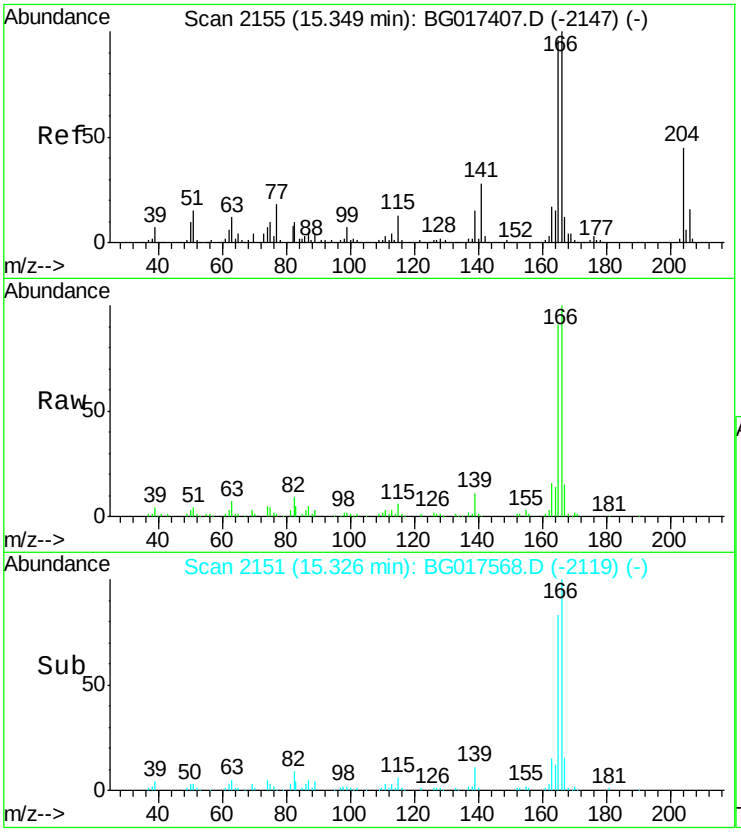


#54
Dibenzofuran
Concen: 6.61 ng
RT: 14.67 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

Tgt Ion:168 Resp: 36832

Ion	Ratio	Lower	Upper
168	100		
139	49.3	33.2	49.8
169	19.0	10.6	16.0#

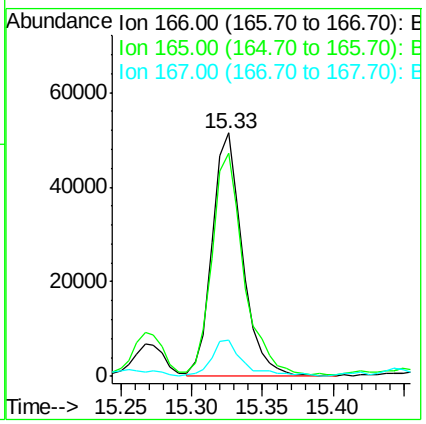




#57
Fluorene
Concen: 15.24 ng
RT: 15.33 min Scan# 2151
Delta R.T. -0.01 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

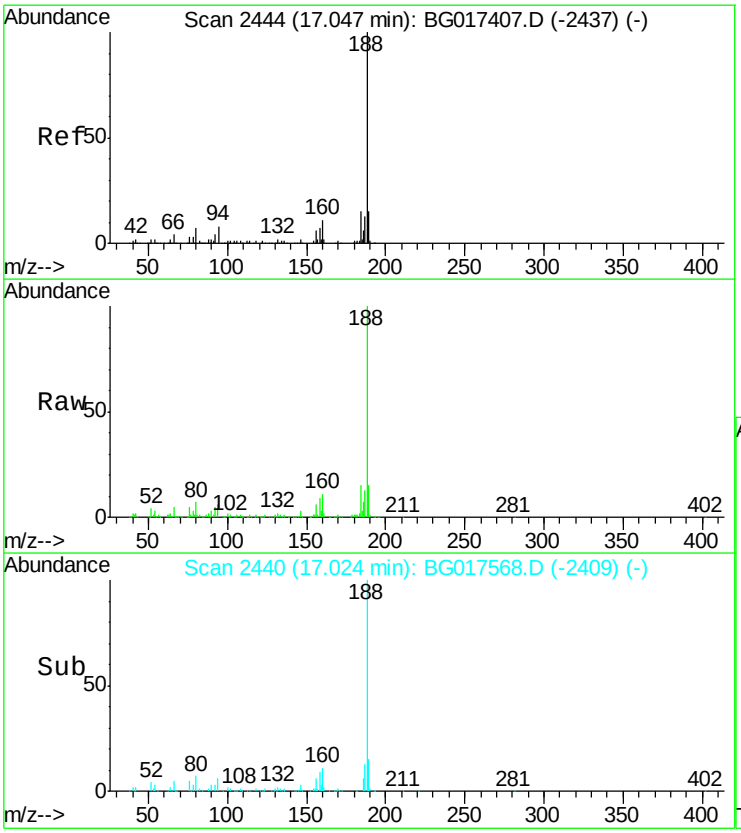
Tgt Ion:166 Resp: 76977

Ion	Ratio	Lower	Upper
166	100		
165	91.4	76.8	115.2
167	14.7	9.9	14.9



Instrument :
BNA_G
ClientSampleId :
FD-1-20150603DL

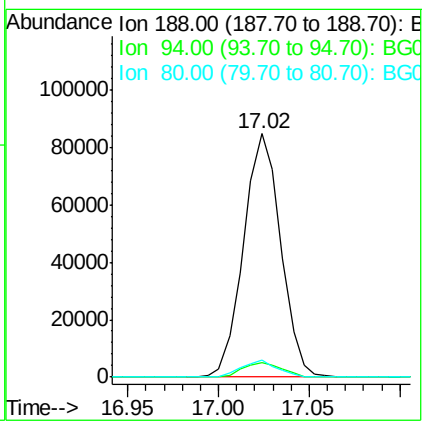
Manual Integrations APPROVED
apatel
6/9/2015 3:58:11 PM

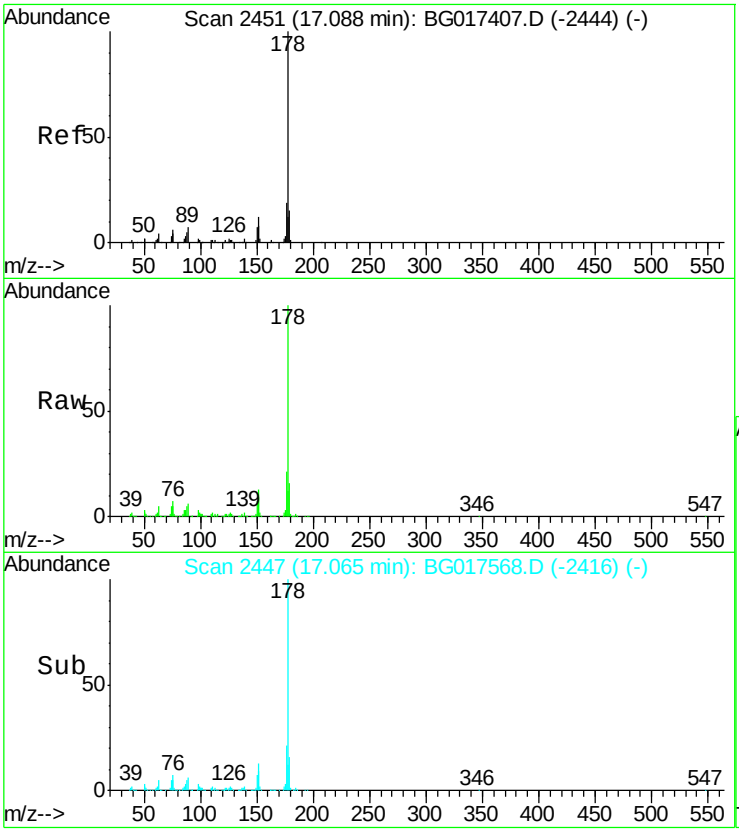


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.02 min Scan# 2440
Delta R.T. -0.02 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

Tgt Ion:188 Resp: 120732

Ion	Ratio	Lower	Upper
188	100		
94	5.9	6.3	9.5#
80	7.1	5.2	7.8

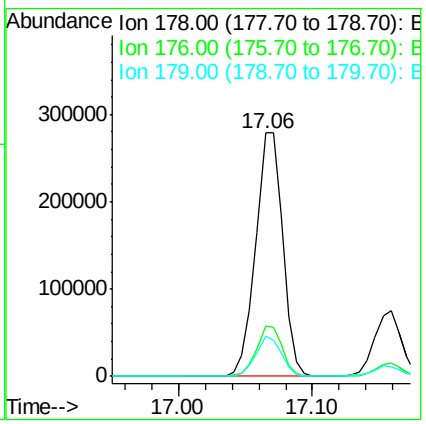




#70
Phenanthrene
Concen: 57.91 ng
RT: 17.06 min Scan# 2447
Delta R.T. -0.02 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

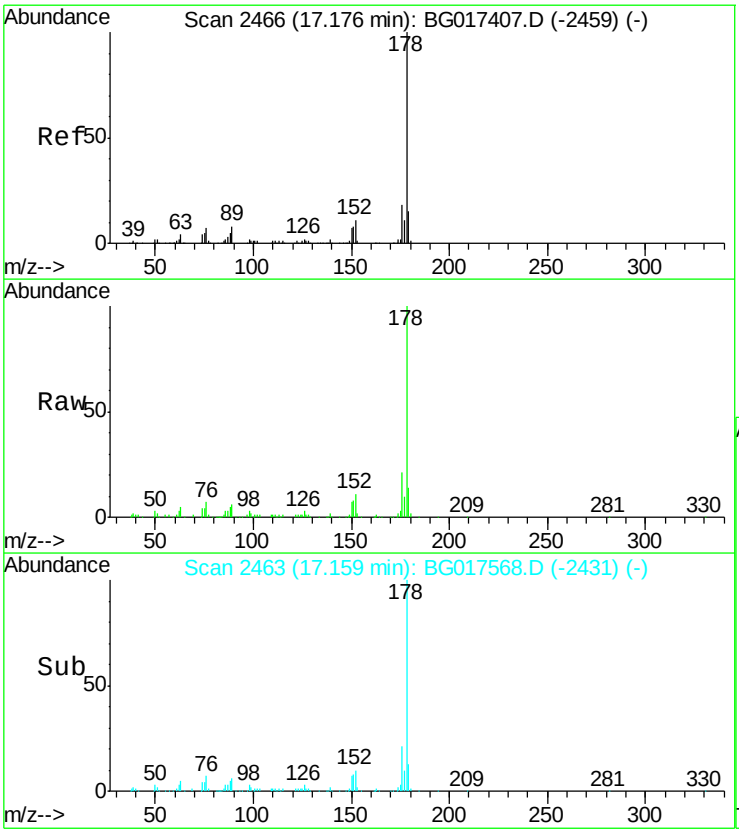
Tgt Ion:178 Resp: 389842

Ion	Ratio	Lower	Upper
178	100		
176	20.9	15.6	23.4
179	16.3	12.2	18.2



Instrument :
BNA_G
ClientSampleId :
FD-1-20150603DL

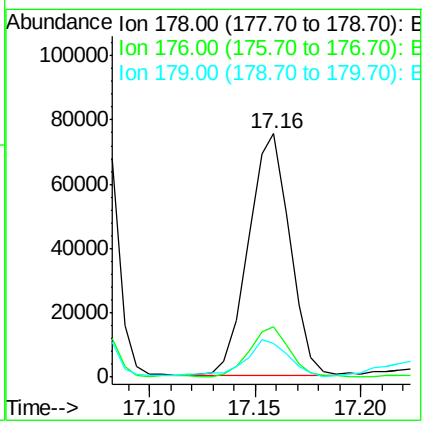
Manual Integrations APPROVED
apatel
6/9/2015 3:58:11 PM

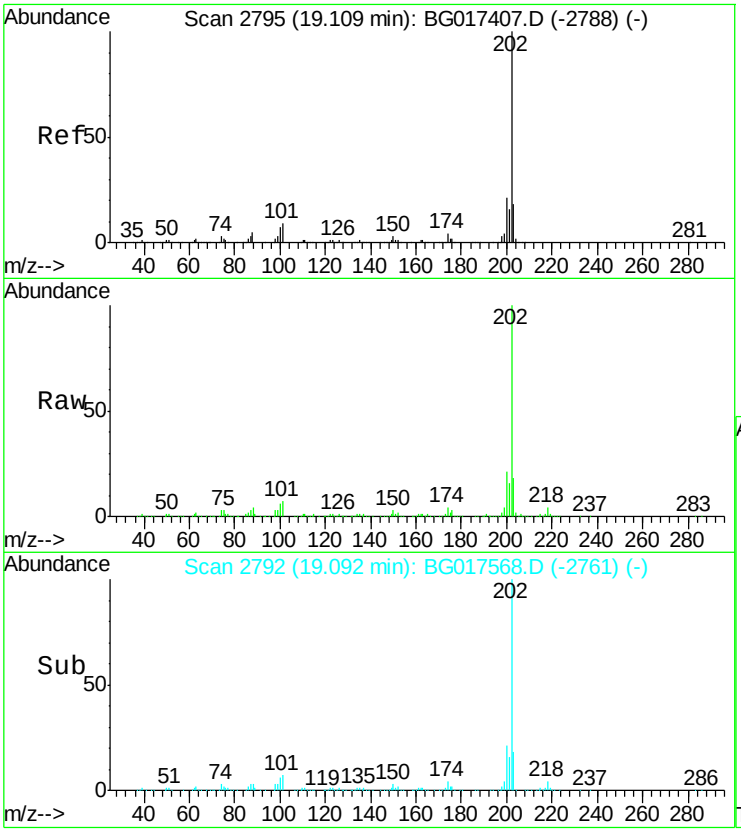


#71
Anthracene
Concen: 15.21 ng
RT: 17.16 min Scan# 2463
Delta R.T. -0.01 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

Tgt Ion:178 Resp: 102280

Ion	Ratio	Lower	Upper
178	100		
176	20.5	14.2	21.2
179	13.6	12.2	18.4

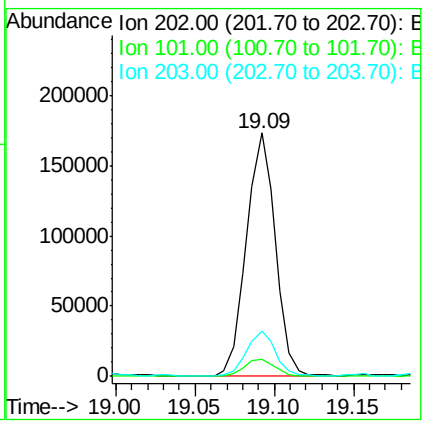




#74
Fluoranthene
Concen: 24.88 ng
RT: 19.09 min Scan# 2792
Delta R.T. -0.02 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

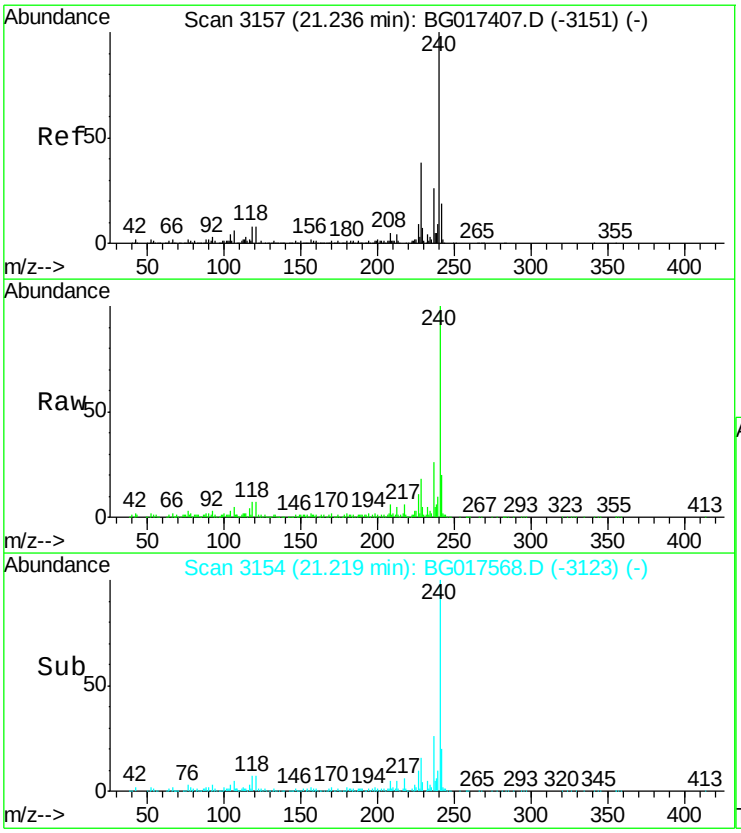
Tgt Ion:202 Resp: 218999

Ion	Ratio	Lower	Upper
202	100		
101	7.1	0.0	28.8
203	18.3	0.0	37.6



Instrument :
BNA_G
ClientSampleId :
FD-1-20150603DL

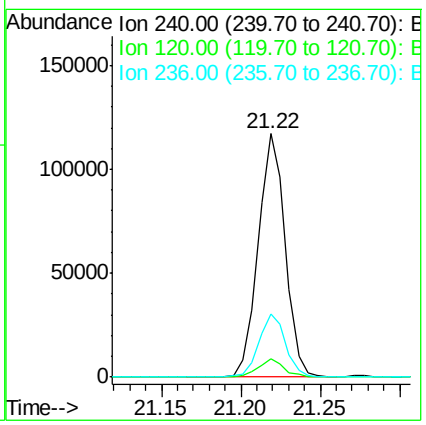
Manual Integrations APPROVED
apatel
6/9/2015 3:58:11 PM

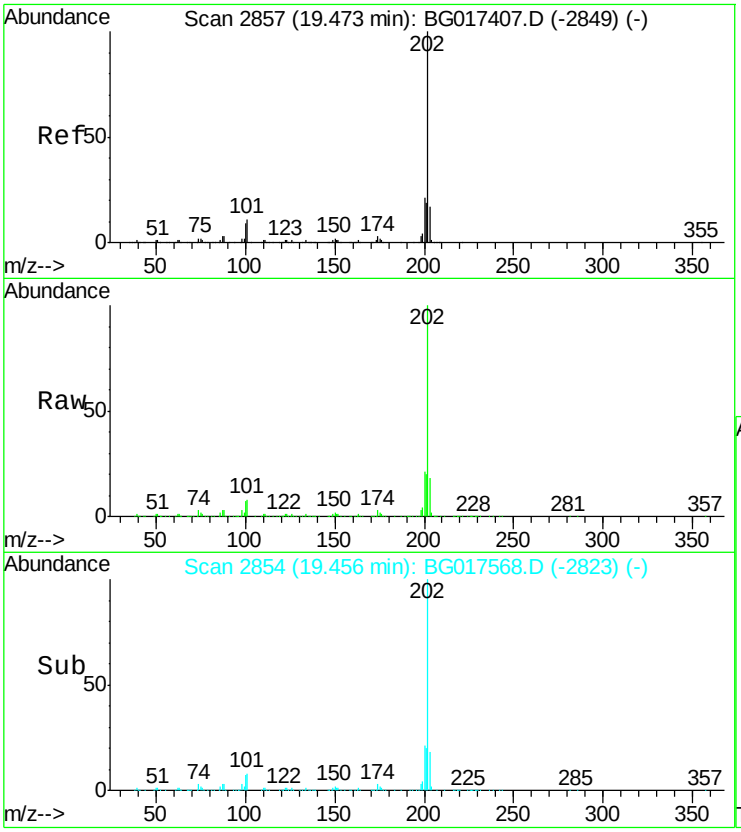


#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.22 min Scan# 3154
Delta R.T. -0.02 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

Tgt Ion:240 Resp: 139582

Ion	Ratio	Lower	Upper
240	100		
120	7.3	6.5	9.7
236	26.0	20.8	31.2

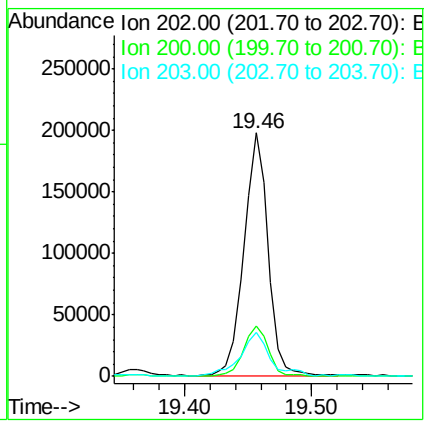




#77
Pyrene
Concen: 30.18 ng
RT: 19.46 min Scan# 2854
Delta R.T. -0.02 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

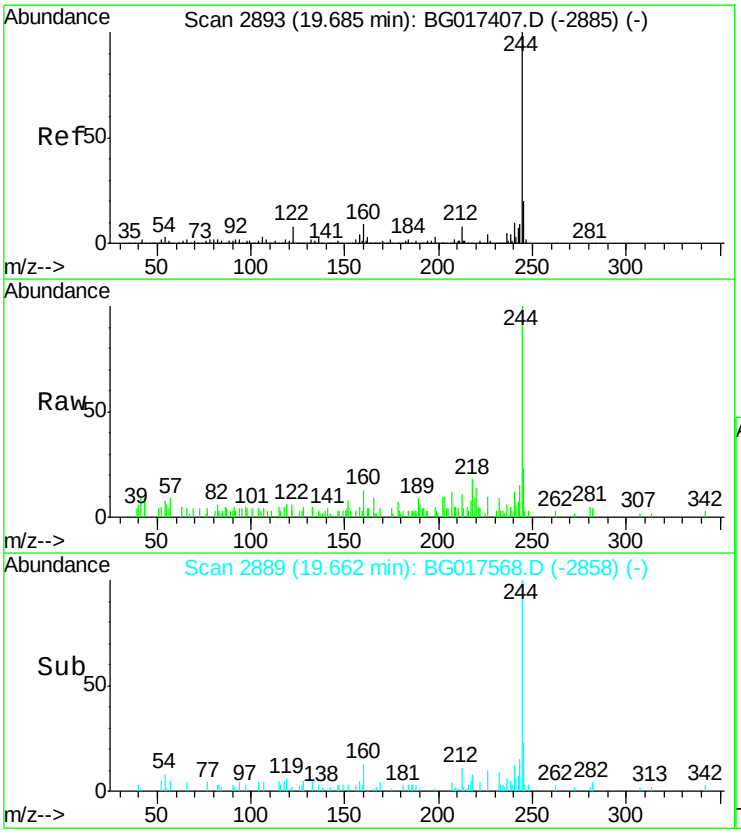
Tgt Ion:202 Resp: 259510

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.0	25.4
203	18.3	13.9	20.9



Instrument :
BNA_G
ClientSampleId :
FD-1-20150603DL

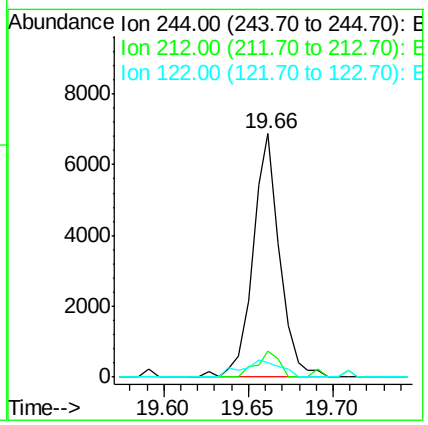
Manual Integrations APPROVED
apatel
6/9/2015 3:58:11 PM

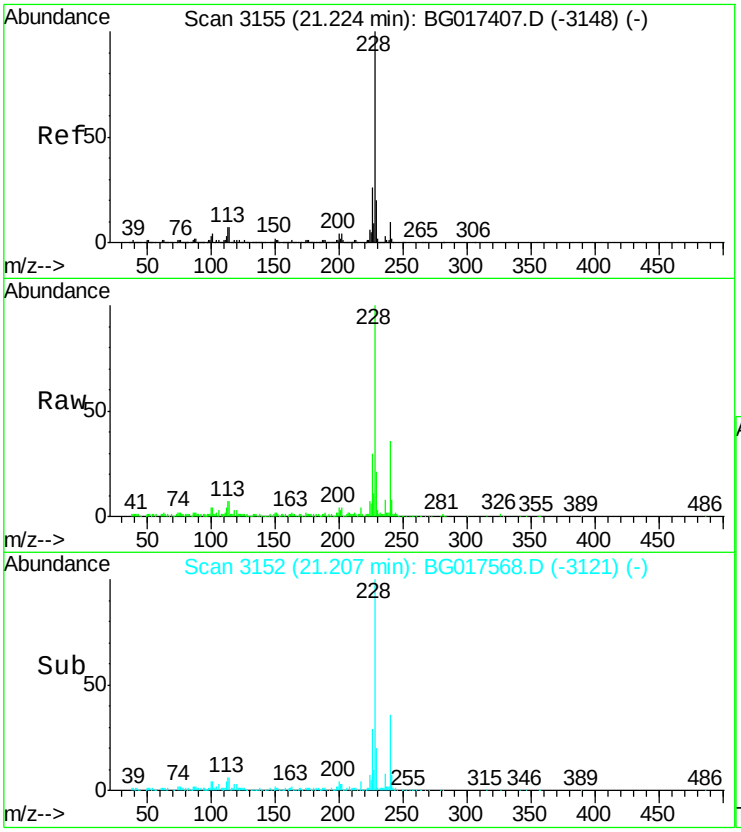


#78
Terphenyl-d14
Concen: 1.12 ng
RT: 19.66 min Scan# 2889
Delta R.T. -0.02 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

Tgt Ion:244 Resp: 7568

Ion	Ratio	Lower	Upper
244	100		
212	10.9	6.4	9.6#
122	5.9	6.6	10.0#

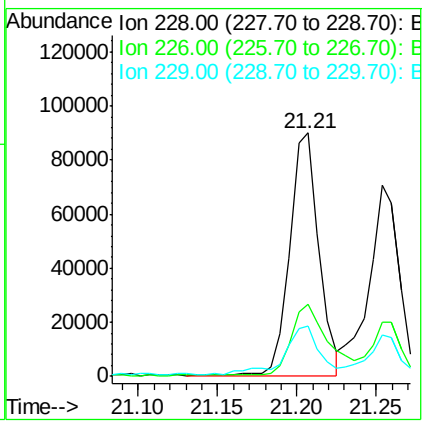




#80
Benzo(a)anthracene
Concen: 13.21 ng
RT: 21.21 min Scan# 3152
Delta R.T. -0.02 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

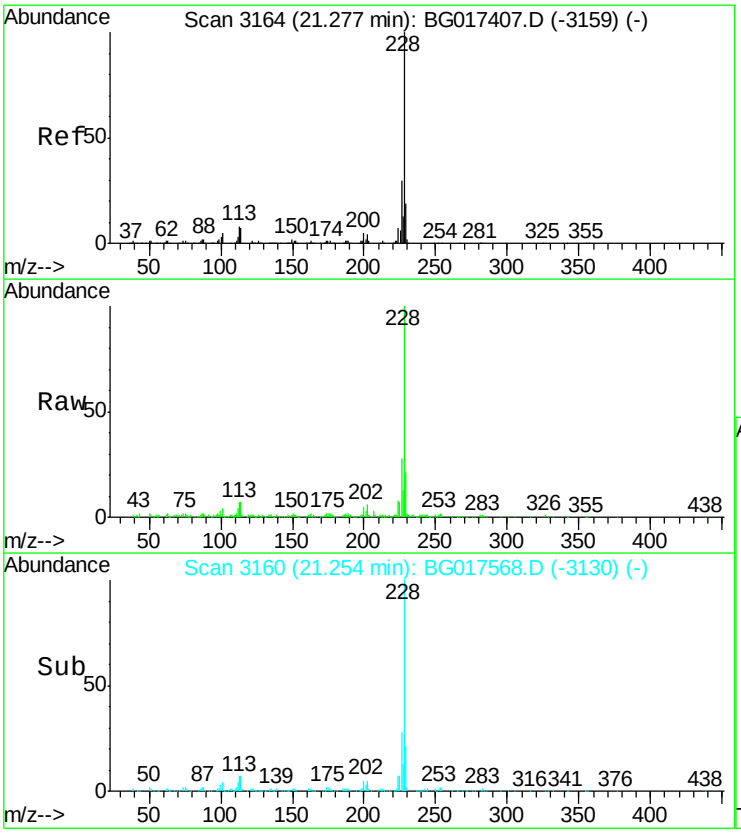
Tgt Ion:228 Resp: 113446

Ion	Ratio	Lower	Upper
228	100		
226	29.6	21.0	31.6
229	20.6	15.7	23.5



Instrument :
BNA_G
ClientSampleId :
FD-1-20150603DL

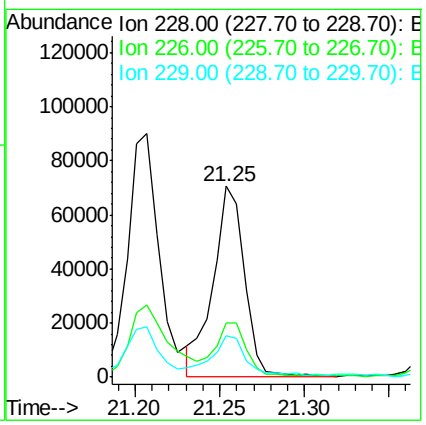
Manual Integrations APPROVED
apatel
6/9/2015 3:58:11 PM

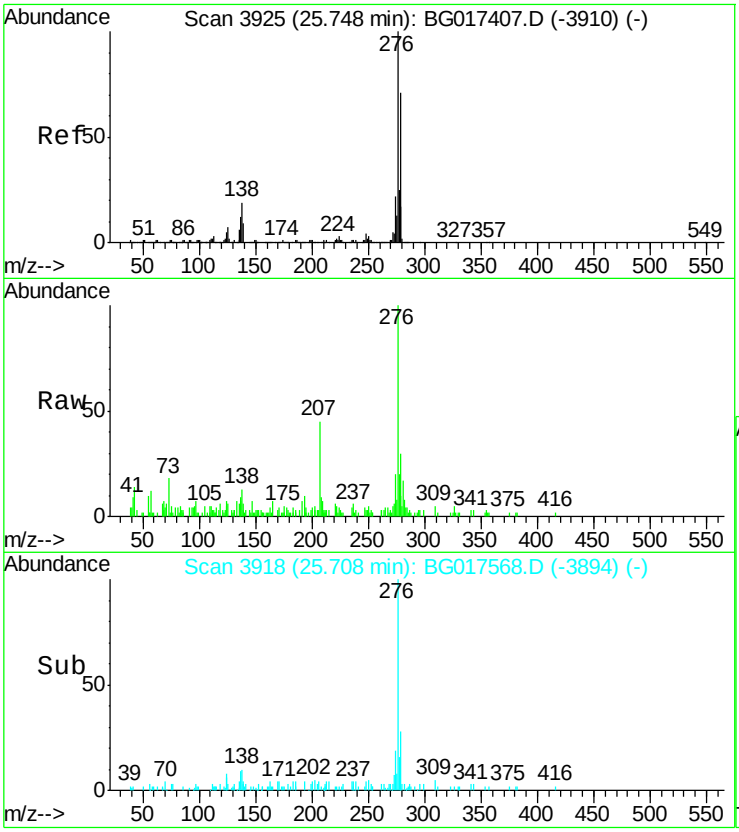


#82
Chrysene
Concen: 11.69 ng
RT: 21.25 min Scan# 3160
Delta R.T. -0.02 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

Tgt Ion:228 Resp: 90844

Ion	Ratio	Lower	Upper
228	100		
226	28.1	23.7	35.5
229	21.4	15.2	22.8

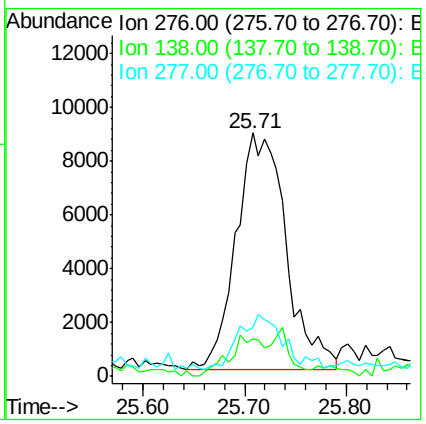




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.09 ng
RT: 25.71 min Scan# 3918
Delta R.T. -0.06 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

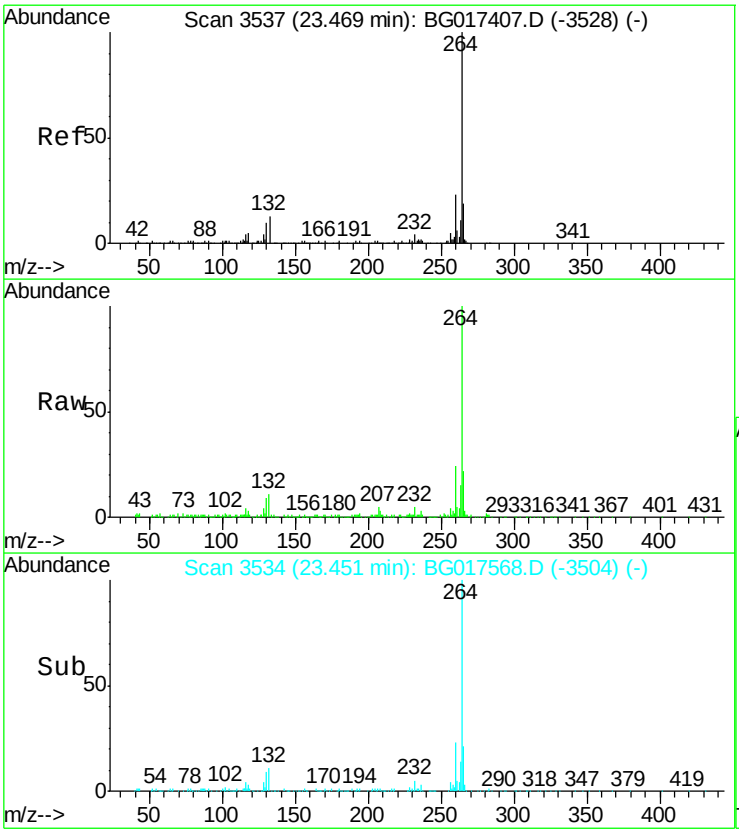
Tgt Ion:276 Resp: 30134

Ion	Ratio	Lower	Upper
276	100		
138	11.3	15.4	23.0#
277	19.4	20.5	30.7#



Instrument :
BNA_G
ClientSampleId :
FD-1-20150603DL

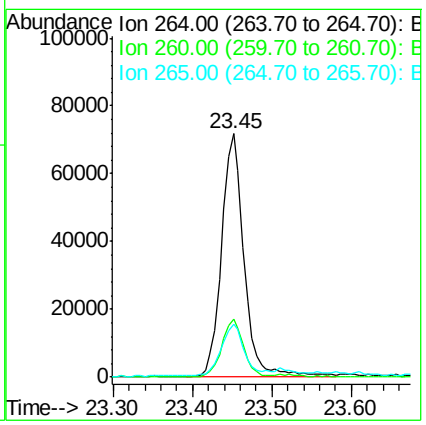
Manual Integrations APPROVED
apatel
6/9/2015 3:58:11 PM

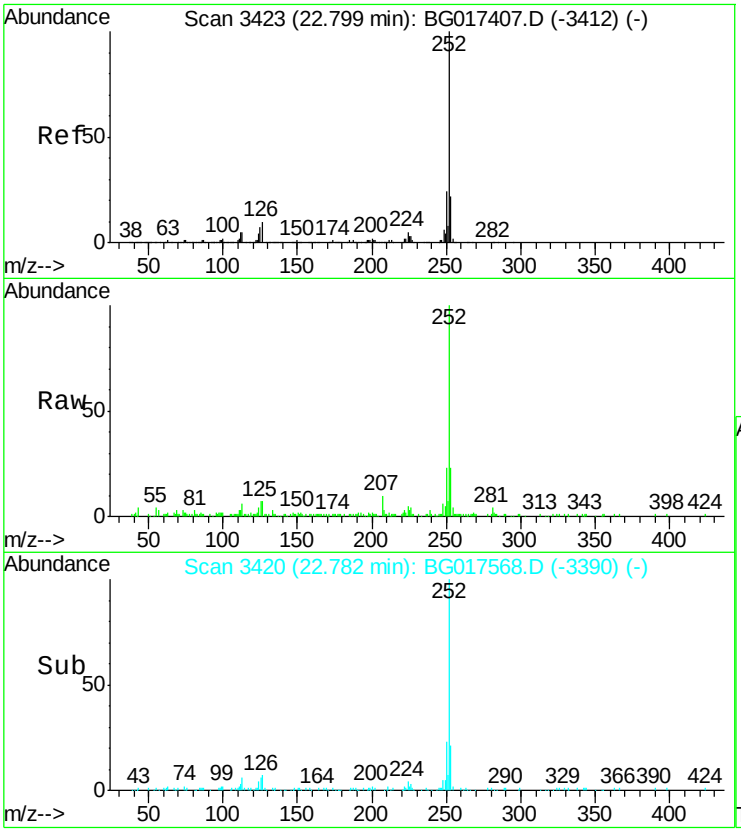


#86
Perylene-d12
Concen: 20.00 ng
RT: 23.45 min Scan# 3534
Delta R.T. -0.02 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

Tgt Ion:264 Resp: 141863

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.2	27.4
265	21.8	15.8	23.6

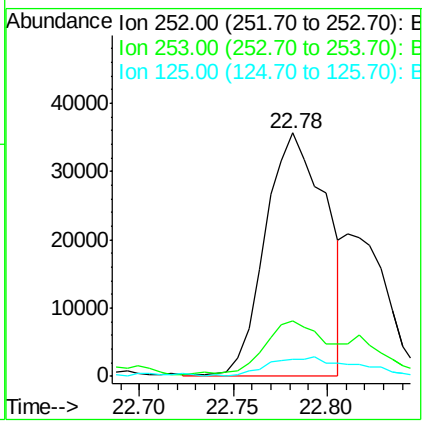




#87
Benzo(b)fluoranthene
Concen: 8.90 ng m
RT: 22.78 min Scan# 3420
Delta R.T. -0.02 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

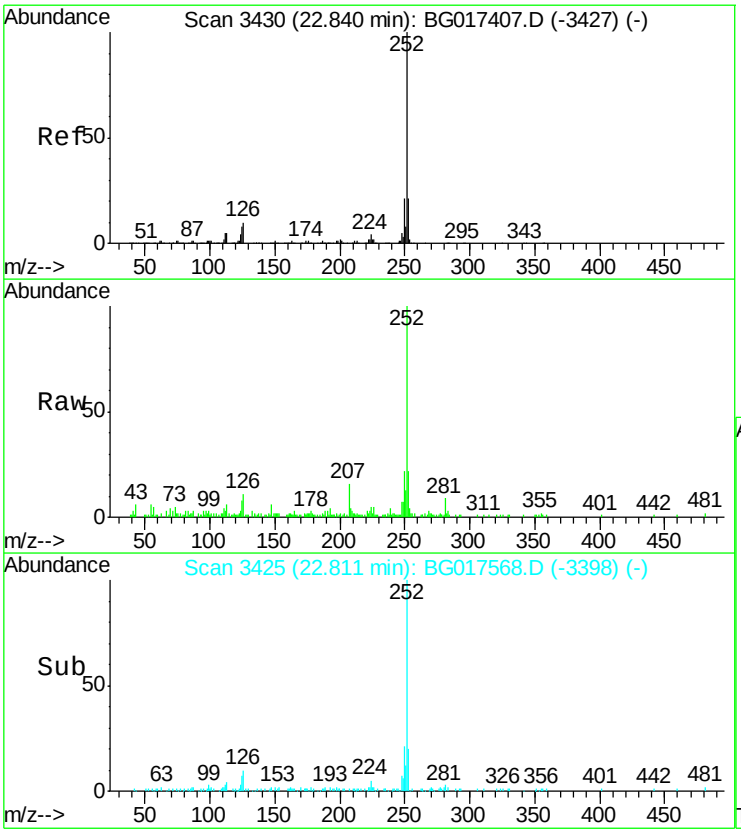
Tgt Ion:252 Resp: 80020

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	6.8	5.8	8.8



Instrument :
BNA_G
ClientSampleId :
FD-1-20150603DL

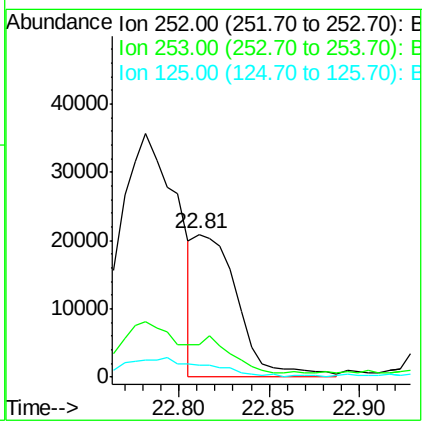
Manual Integrations APPROVED
apatel
6/9/2015 3:58:11 PM

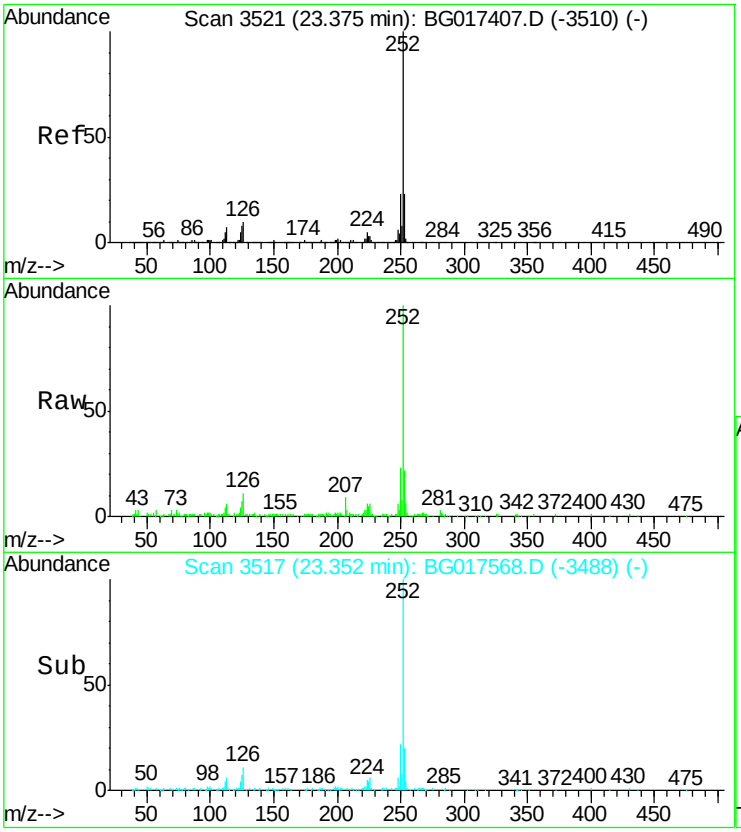


#88
Benzo(k)fluoranthene
Concen: 4.04 ng m
RT: 22.81 min Scan# 3425
Delta R.T. -0.04 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

Tgt Ion:252 Resp: 34783

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	7.9	6.5	9.7

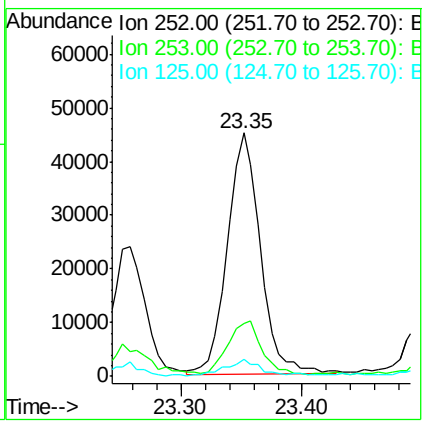




#89
Benzo(a)pyrene
Concen: 10.31 ng
RT: 23.35 min Scan# 3517
Delta R.T. -0.03 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

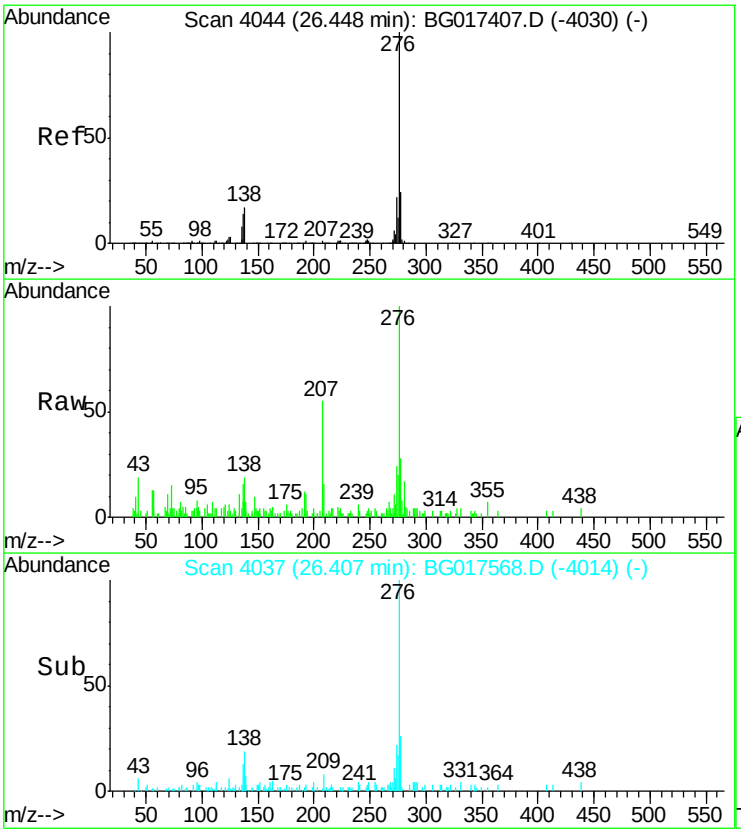
Tgt Ion:252 Resp: 84981

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	6.9	6.5	9.7



Instrument :
BNA_G
ClientSampleId :
FD-1-20150603DL

Manual Integrations APPROVED
apatel
6/9/2015 3:58:11 PM



#91
Benzo(g,h,i)perylene
Concen: 3.41 ng
RT: 26.41 min Scan# 4037
Delta R.T. -0.07 min
Lab File: BG017568.D
Acq: 9 Jun 2015 10:07

Tgt Ion:276 Resp: 27812

Ion	Ratio	Lower	Upper
276	100		
277	28.5	19.2	28.8
138	25.9	13.5	20.3#