Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021196.D
Acq On : 1 Mar 2016 23:03
Operator : UM/SJ
Sample : H1565-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CEB-4(2.5-5)20160223

Manual Integrations APPROVED
Sohil
3/2/2016 12:51:45 PM

Quant Time: Mar 02 12:25:04 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 29 17:40:25 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	12904	20.00	ng	-0.01
21) Naphthalene-d8	10.96	136	61765	20.00	ng	-0.01
38) Acenaphthene-d10	14.75	164	36463	20.00	ng	-0.01
63) Phenanthrene-d10	17.49	188	73176	20.00	ng	-0.01
75) Chrysene-d12	21.76	240	78540	20.00	ng	-0.01
86) Perylene-d12	25.03	264	73778	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	121505	149.69	ng	0.00
7) Phenol-d6	7.30	99	194618	145.81	ng	0.00
23) Nitrobenzene-d5	9.31	82	140209	96.06	ng	-0.01
41) 2,4,6-Tribromophenol	16.24	330	44267	116.68	ng	0.00
44) 2-Fluorobiphenyl	13.38	172	242621	94.49	ng	-0.01
78) Terphenyl-d14	20.08	244	310773	95.86	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	11.01	128	21157	6.57	ng	# 78
37) 2-Methylnaphthalene	12.60	142	18172	7.93	ng	# 89
49) Dimethylphthalate	14.20	163	39932	12.29	ng	# 96
51) Acenaphthene	14.82	154	6015	2.49	ng	95
57) Fluorene	15.79	166	10094	3.28	ng	94
70) Phenanthrene	17.53	178	128666	32.58	ng	99
71) Anthracene	17.62	178	23800	5.89	ng	99
72) Carbazole	17.89	167	8943	2.50	ng	96
74) Fluoranthene	19.53	202	213212	45.96	ng	99
77) Pyrene	19.89	202	214880	45.86	ng	98
80) Benzo(a)anthracene	21.73	228	101643	21.86	ng	98
82) Chrysene	21.80	228	97686	22.17	ng	98
83) Bis(2-ethylhexyl)phthalate	21.62	149	18148	5.18	ng	# 92
85) Indeno(1,2,3-cd)pyrene	28.75	276	41602	8.23	ng	# 100
87) Benzo(b)fluoranthene	23.99	252	112070	24.15	ng	96
88) Benzo(k)fluoranthene	24.04	252	40684m	8.75	ng	
89) Benzo(a)pyrene	24.87	252	86035	19.18	ng	# 94
90) Dibenzo(a,h)anthracene	28.81	278	12972m	2.92	ng	
91) Benzo(g,h,i)perylene	29.93	276	41249	9.62	ng	# 88

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

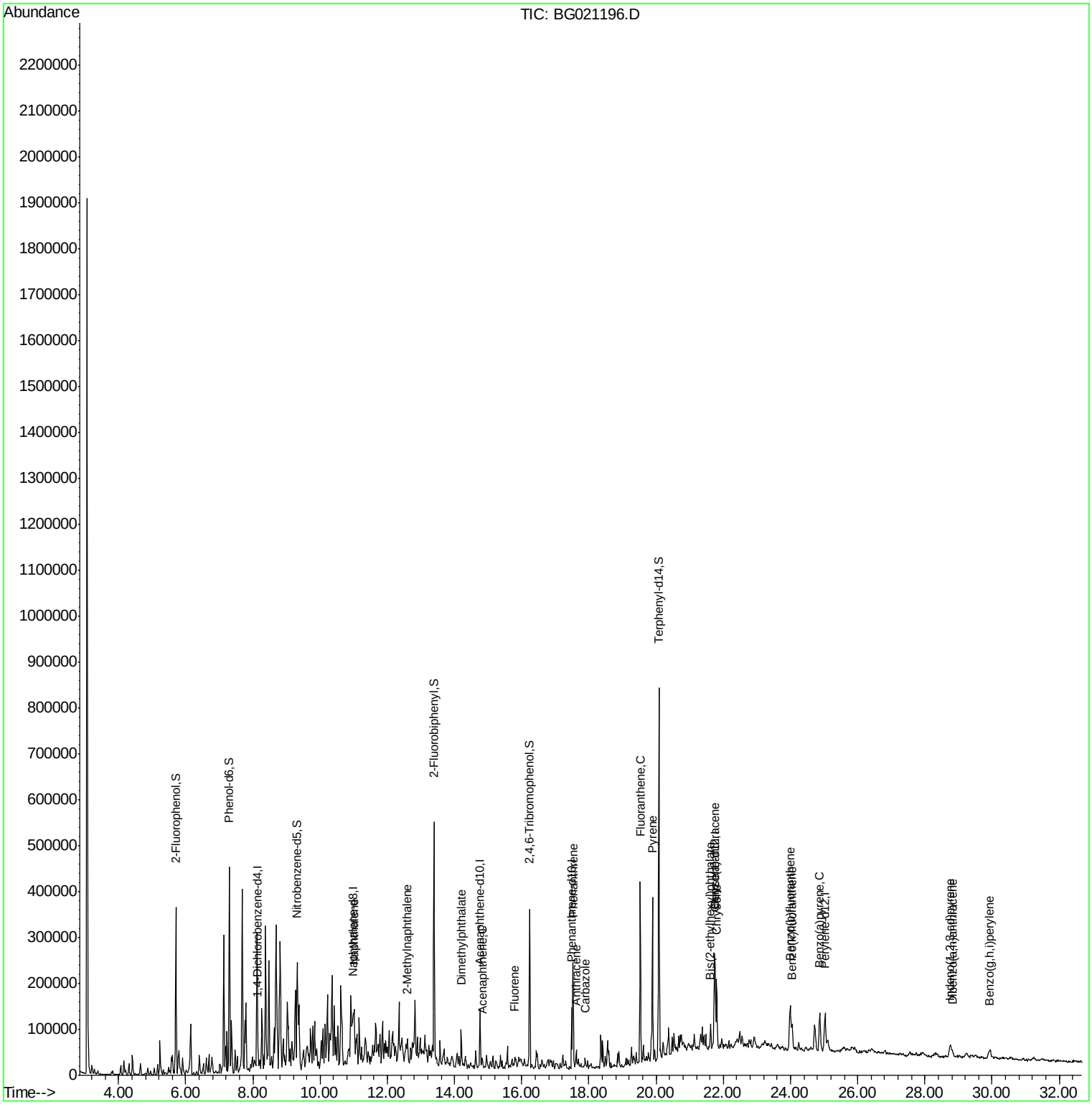
Quantitation Report (LSC Reviewed)

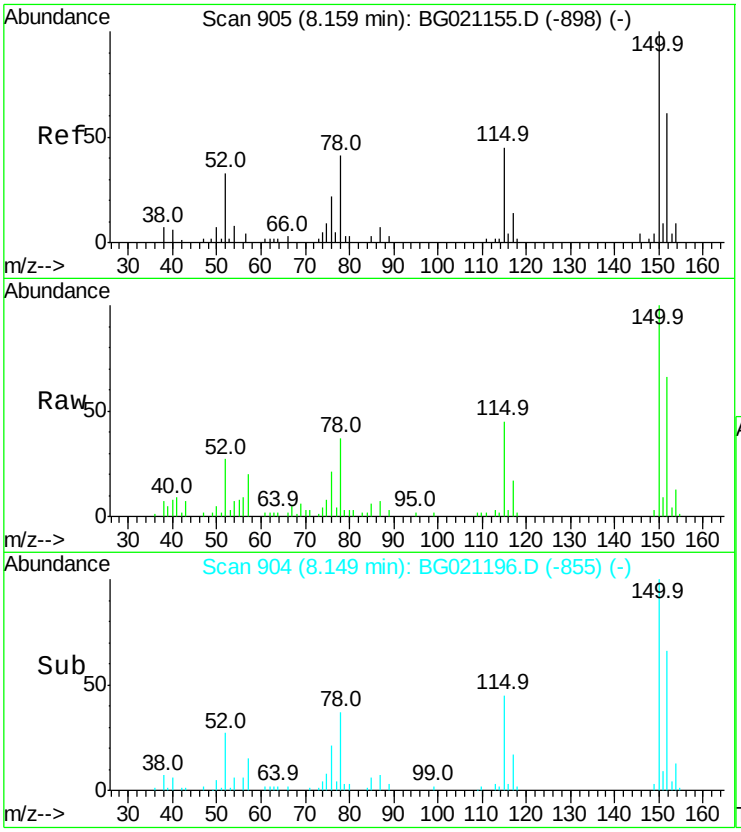
Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021196.D
Acq On : 1 Mar 2016 23:03
Operator : UM/SJ
Sample : H1565-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 02 12:25:04 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 29 17:40:25 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
CEB-4(2.5-5)20160223

Manual Integrations APPROVED
Sohil
3/2/2016 12:51:45 PM

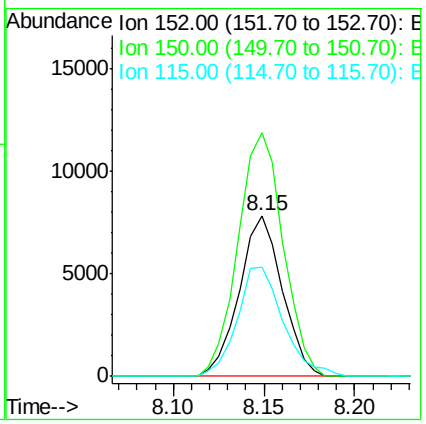




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.15 min Scan# 904
Delta R.T. -0.01 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

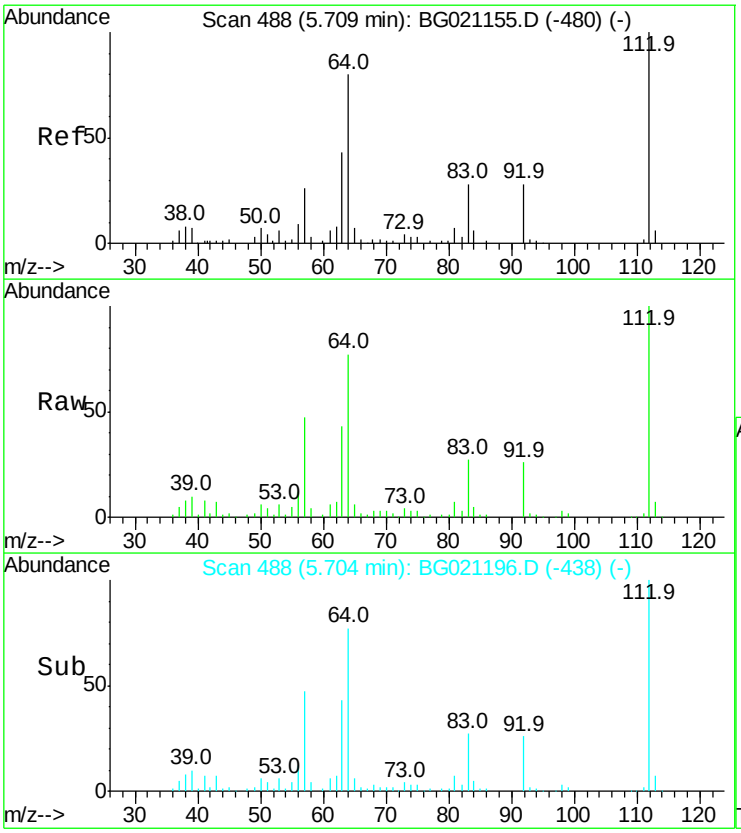
Tgt Ion:152 Resp: 12904

Ion	Ratio	Lower	Upper
152	100		
150	151.5	123.4	185.2
115	67.6	43.3	64.9#



Instrument :
BNA_G
ClientSampleId :
CEB-4(2.5-5)20160223

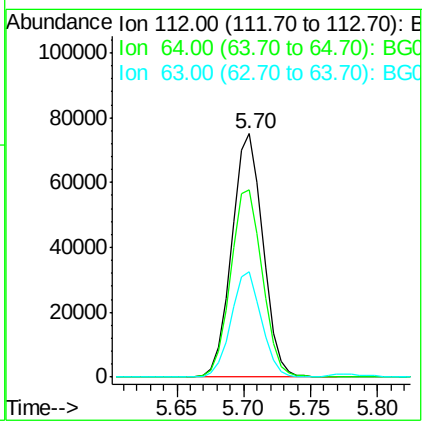
Manual Integrations APPROVED
Sohil
3/2/2016 12:51:45 PM

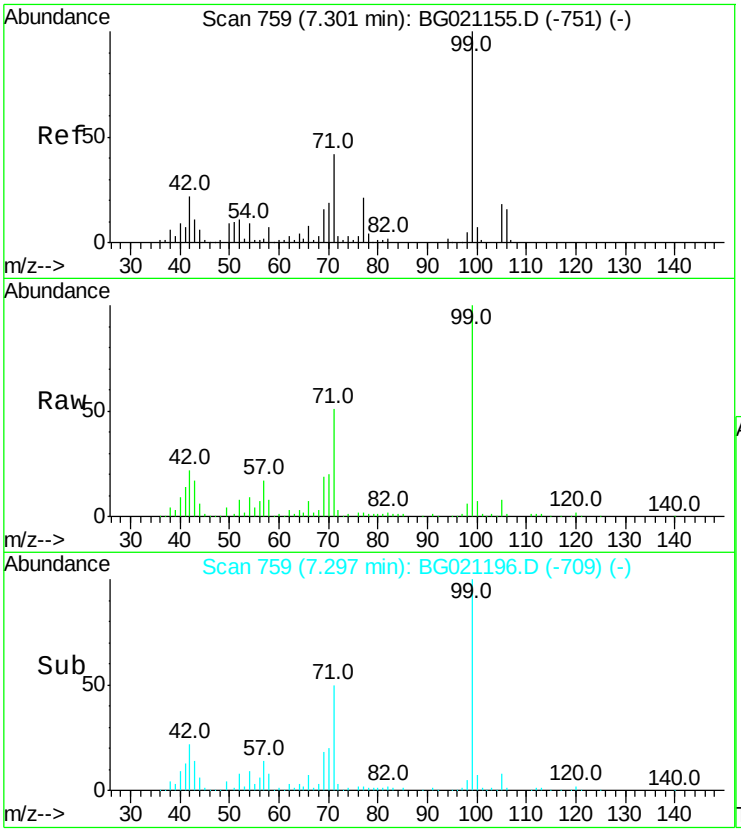


#5
2-Fluorophenol
Concen: 149.69 ng
RT: 5.70 min Scan# 488
Delta R.T. -0.00 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

Tgt Ion:112 Resp: 121505

Ion	Ratio	Lower	Upper
112	100		
64	77.0	42.6	63.8#
63	43.4	21.7	32.5#





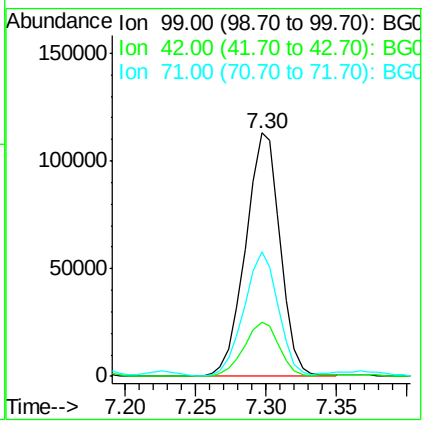
#7
Phenol-d6
Concen: 145.81 ng
RT: 7.30 min Scan# 759
Delta R.T. -0.00 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

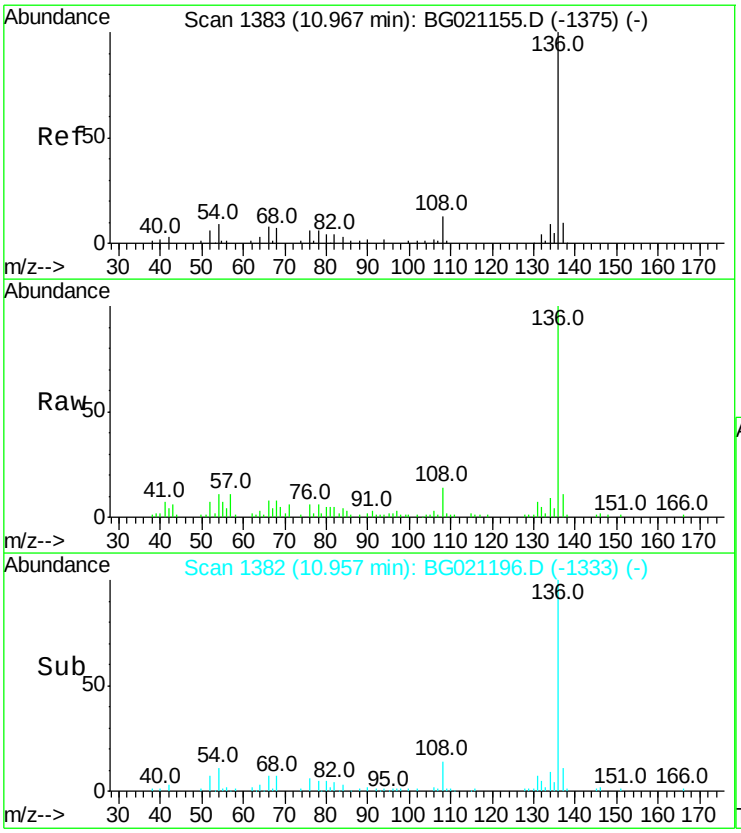
Tgt Ion: 99 Resp: 194618

Ion	Ratio	Lower	Upper
99	100		
42	22.3	13.2	19.8#
71	51.2	25.2	37.8#

Instrument :
BNA_G
ClientSampleId :
CEB-4(2.5-5)20160223

Manual Integrations APPROVED
Sohil
3/2/2016 12:51:45 PM

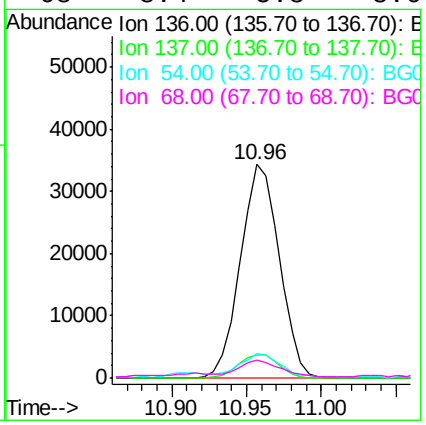


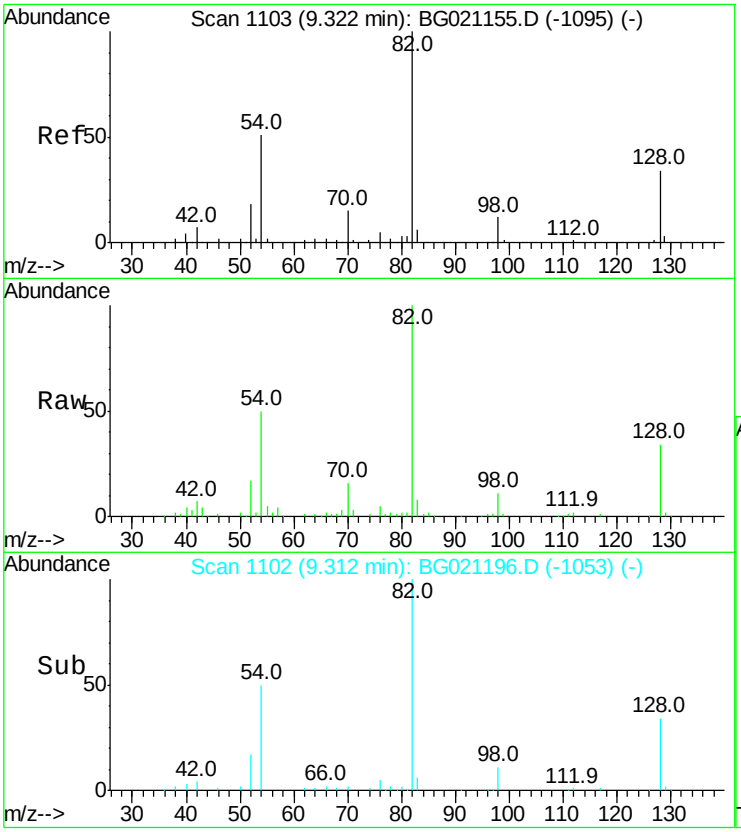


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.96 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

Tgt Ion:136 Resp: 61765

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	11.2	6.9	10.3#
68	8.4	5.8	8.6

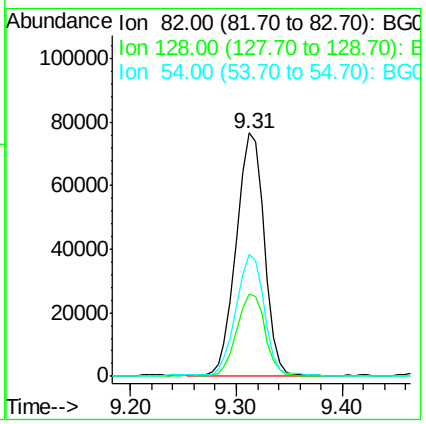




#23
Nitrobenzene-d5
Concen: 96.06 ng
RT: 9.31 min Scan# 1102
Delta R.T. -0.01 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

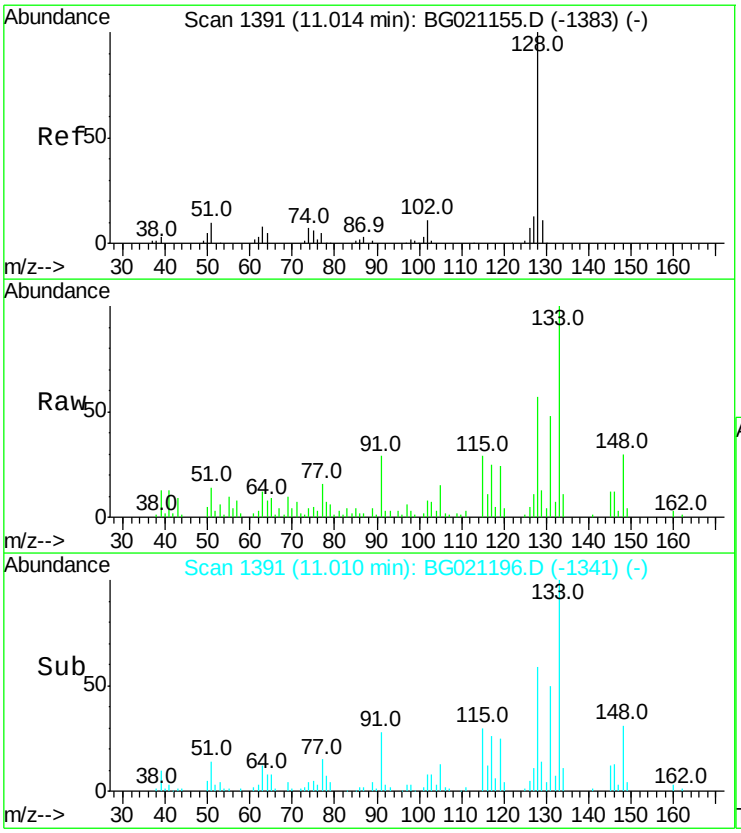
Tgt Ion: 82 Resp: 140209

Ion	Ratio	Lower	Upper
82	100		
128	33.8	36.3	54.5#
54	50.3	37.6	56.4



Instrument :
BNA_G
ClientSampleId :
CEB-4(2.5-5)20160223

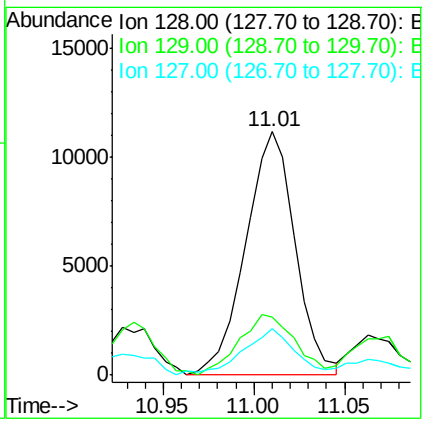
Manual Integrations APPROVED
Sohil
3/2/2016 12:51:45 PM

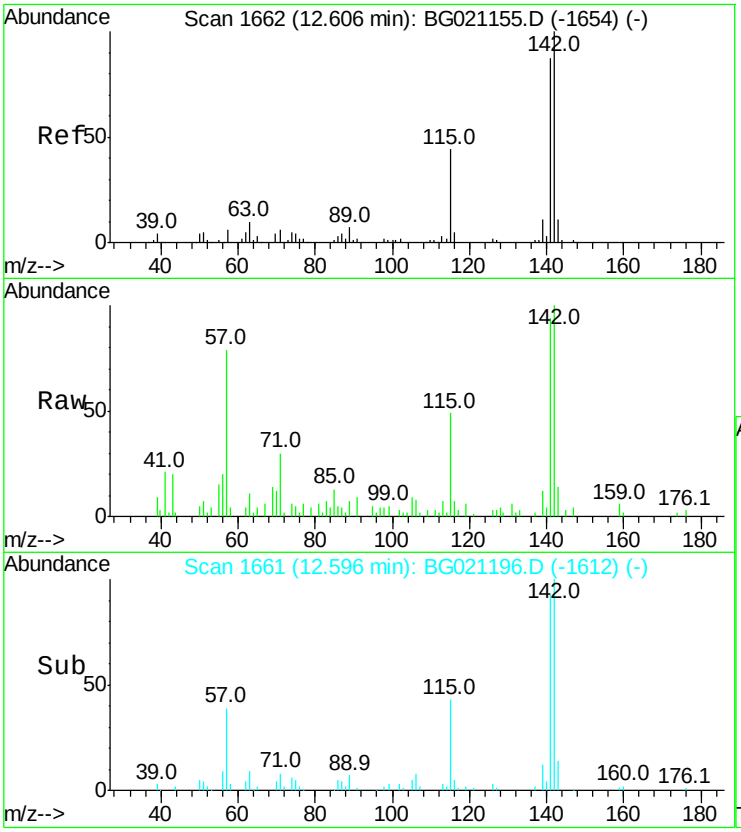


#31
Naphthalene
Concen: 6.57 ng
RT: 11.01 min Scan# 1391
Delta R.T. -0.00 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

Tgt Ion:128 Resp: 21157

Ion	Ratio	Lower	Upper
128	100		
129	23.6	9.4	14.2#
127	19.1	10.8	16.2#





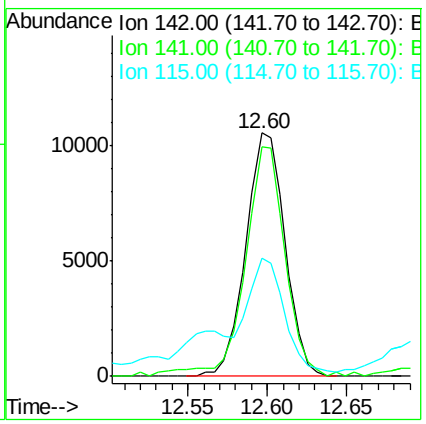
#37
2-Methylnaphthalene
Concen: 7.93 ng
RT: 12.60 min Scan# 1661
Delta R.T. -0.01 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

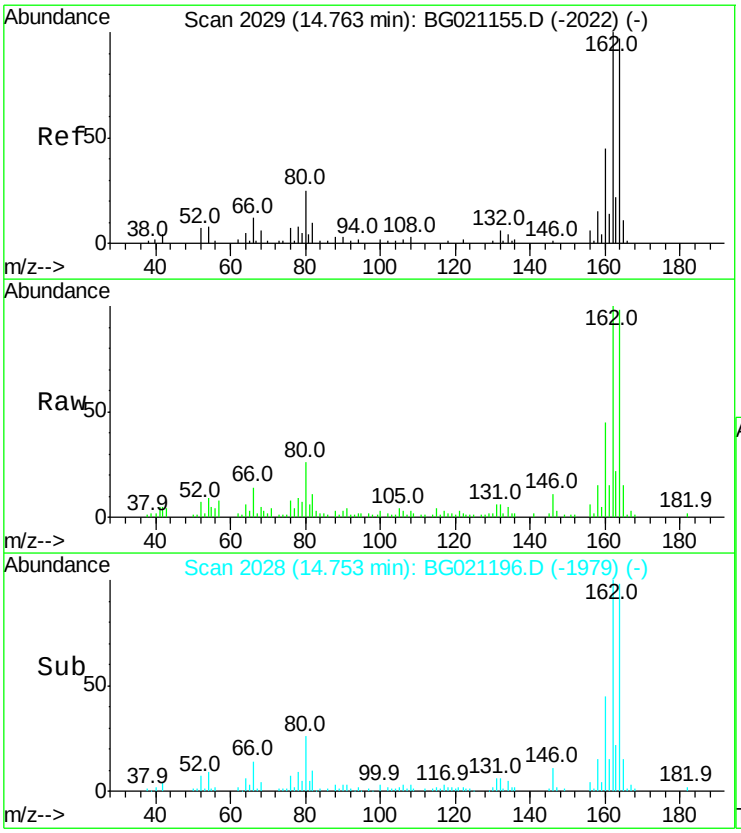
Tgt Ion:142 Resp: 18172

Ion	Ratio	Lower	Upper
142	100		
141	94.5	71.7	107.5
115	48.5	26.2	39.4#

Instrument :
BNA_G
ClientSampleId :
CEB-4(2.5-5)20160223

Manual Integrations APPROVED
Sohil
3/2/2016 12:51:45 PM

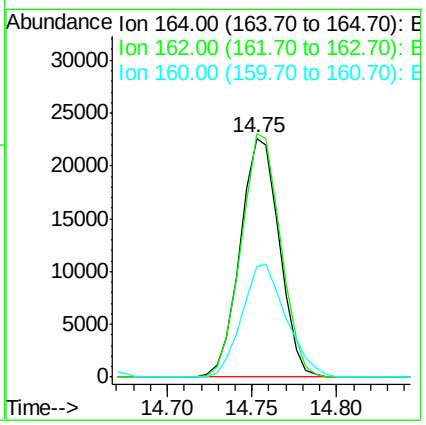


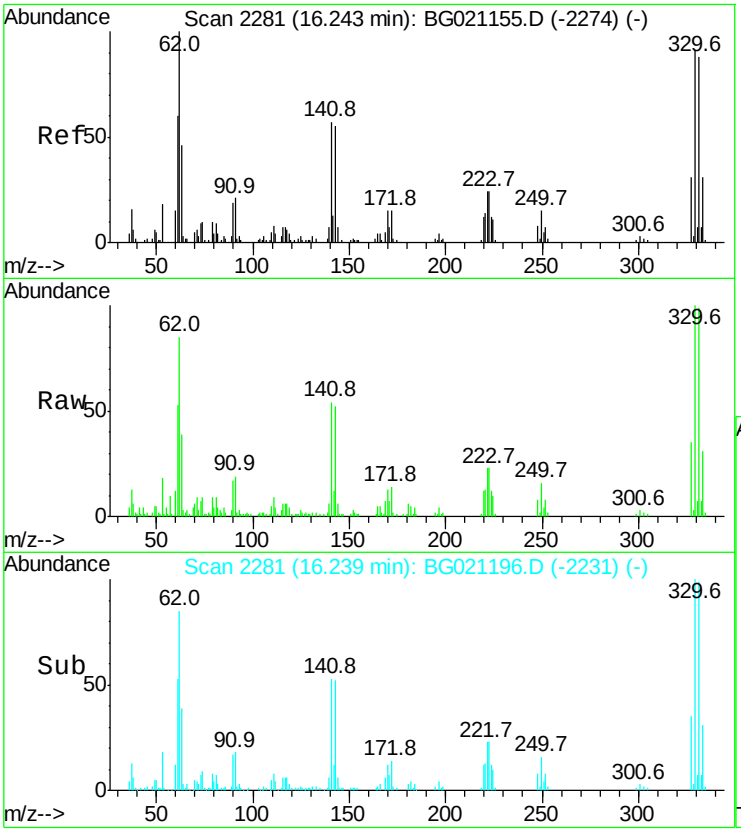


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.75 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

Tgt Ion:164 Resp: 36463

Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.6	120.8
160	46.0	36.5	54.7





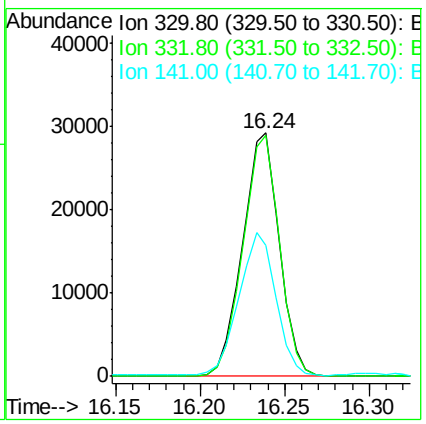
#41
2,4,6-Tribromophenol
Concen: 116.68 ng
RT: 16.24 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

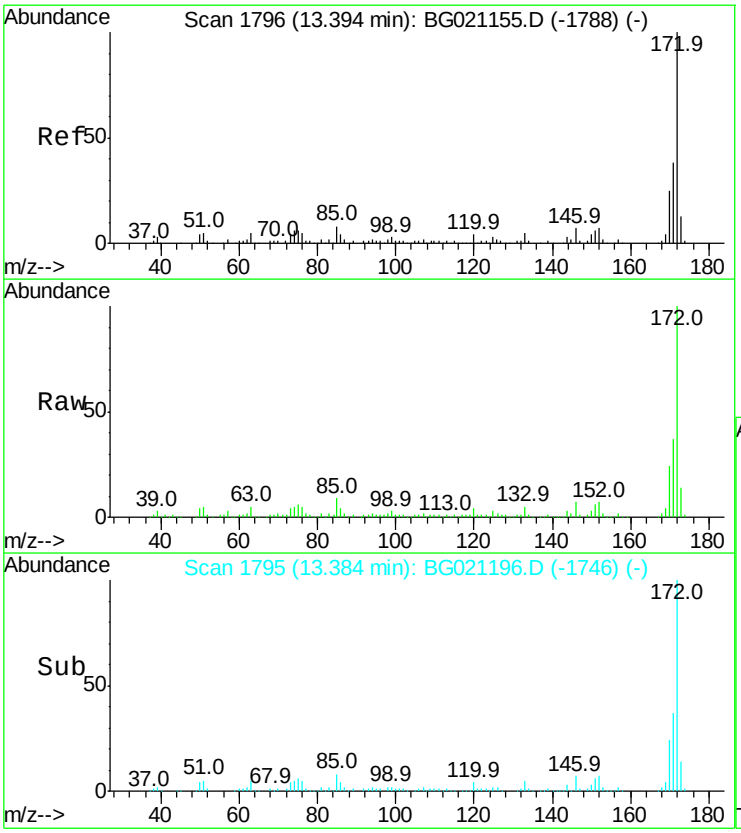
Tgt Ion:330 Resp: 44267

Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.4	116.0
141	59.8	35.3	52.9#

Instrument :
BNA_G
ClientSampleId :
CEB-4(2.5-5)20160223

Manual Integrations APPROVED
Sohil
3/2/2016 12:51:45 PM

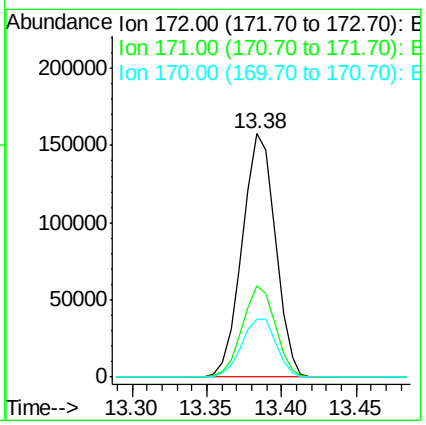


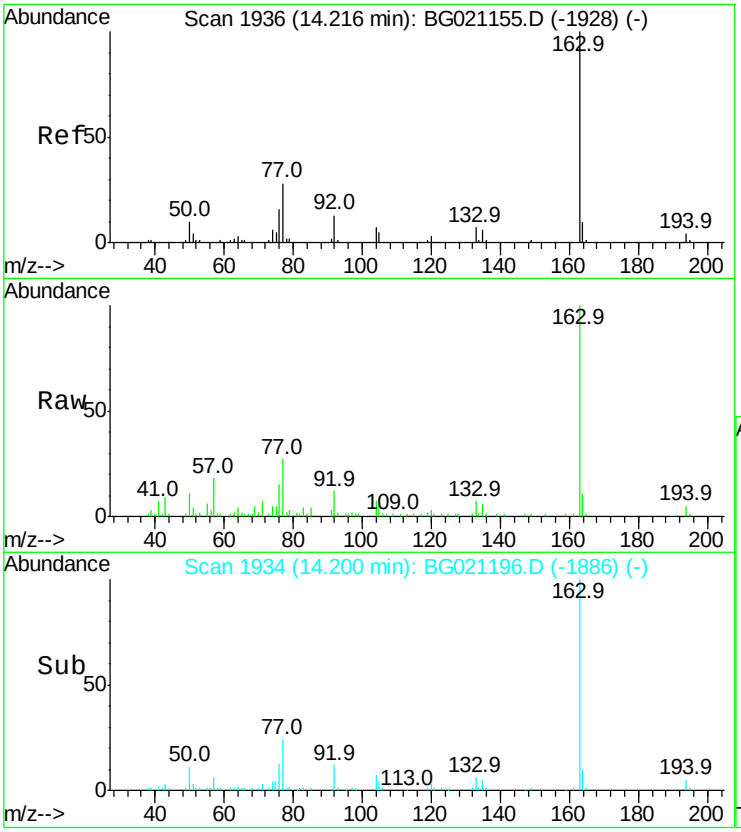


#44
2-Fluorobiphenyl
Concen: 94.49 ng
RT: 13.38 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

Tgt Ion:172 Resp: 242621

Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.4	44.0
170	23.9	19.8	29.8

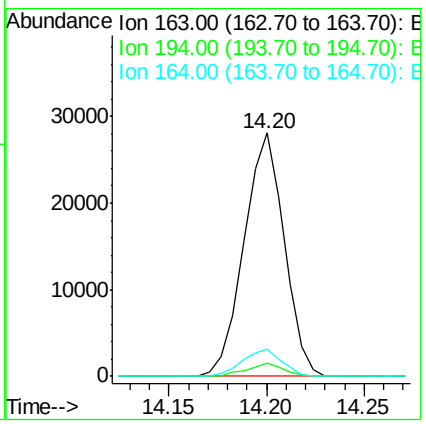




#49
Dimethylphthalate
Concen: 12.29 ng
RT: 14.20 min Scan# 1934
Delta R.T. -0.02 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

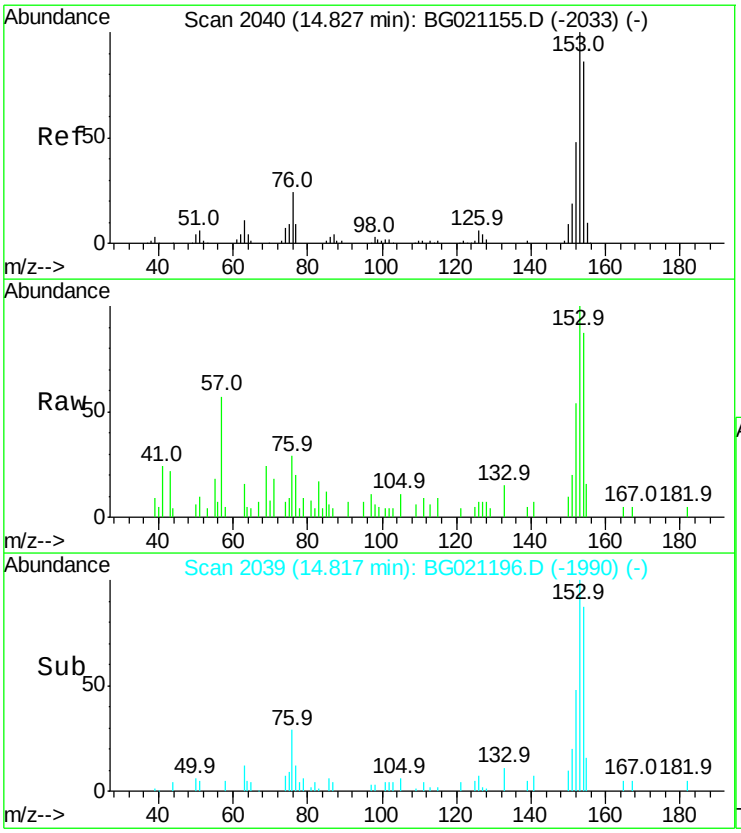
Tgt Ion:163 Resp: 39932

Ion	Ratio	Lower	Upper
163	100		
194	5.3	2.8	4.2#
164	11.1	7.9	11.9



Instrument :
BNA_G
ClientSampleId :
CEB-4(2.5-5)20160223

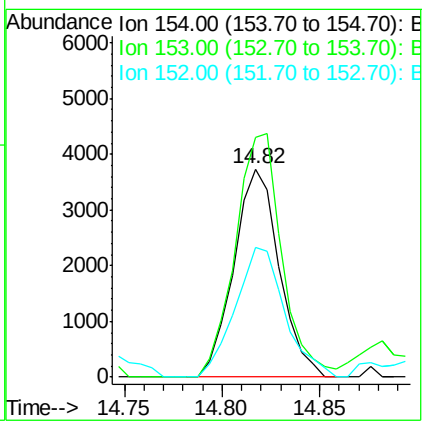
Manual Integrations APPROVED
Sohil
3/2/2016 12:51:45 PM

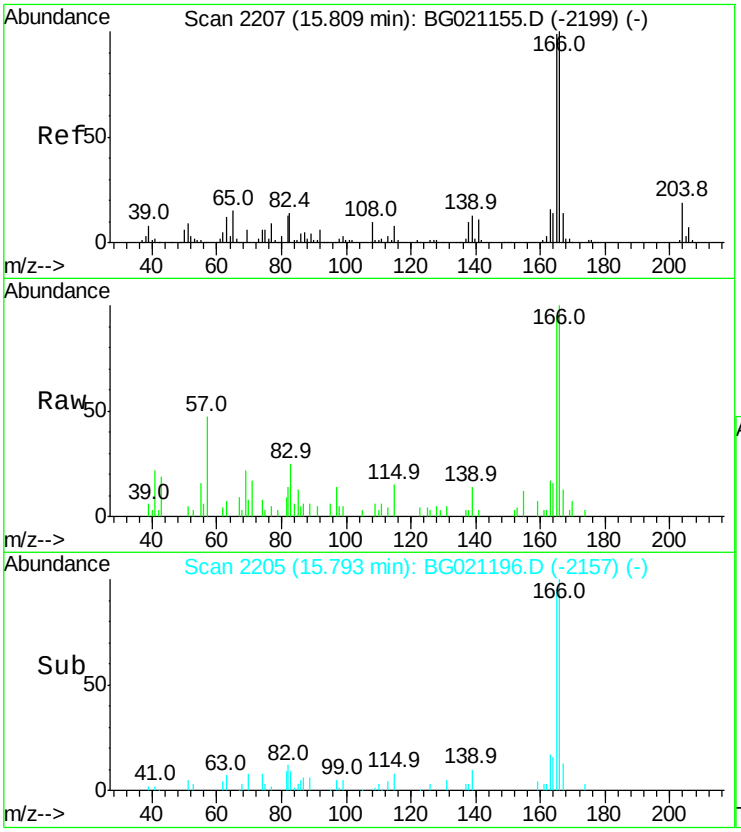


#51
Acenaphthene
Concen: 2.49 ng
RT: 14.82 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

Tgt Ion:154 Resp: 6015

Ion	Ratio	Lower	Upper
154	100		
153	115.1	94.2	141.2
152	62.2	42.9	64.3

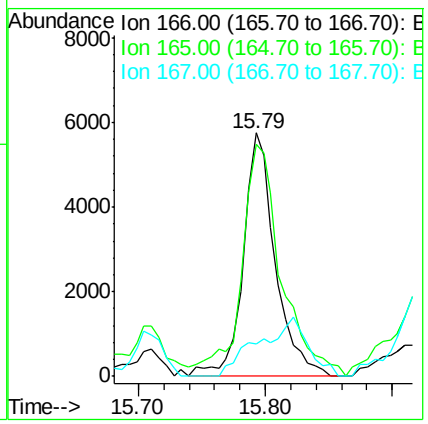




#57
Fluorene
Concen: 3.28 ng
RT: 15.79 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

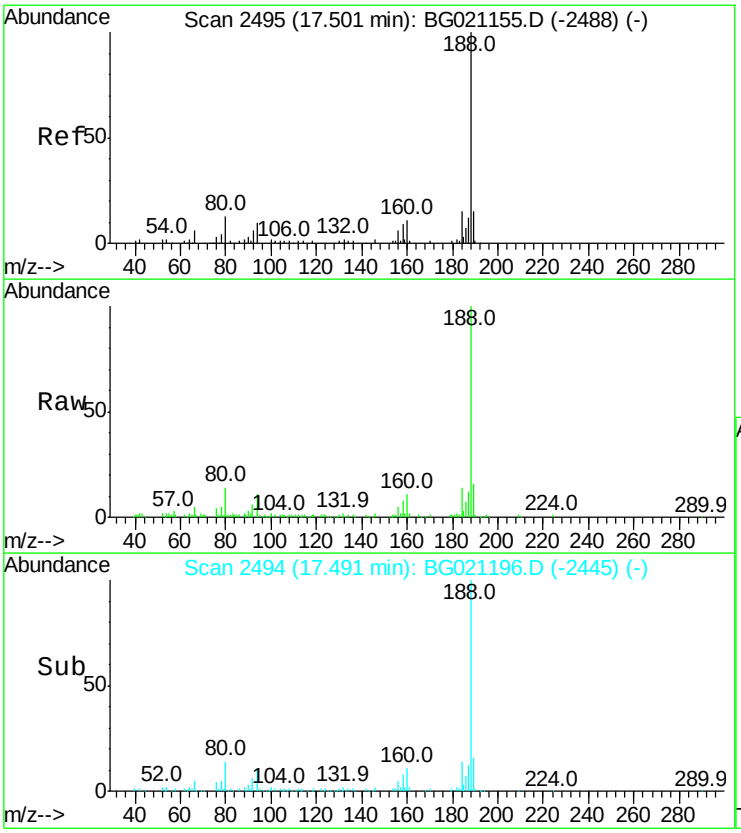
Tgt Ion:166 Resp: 10094

Ion	Ratio	Lower	Upper
166	100		
165	95.3	81.3	121.9
167	13.4	10.6	16.0



Instrument :
BNA_G
ClientSampleId :
CEB-4(2.5-5)20160223

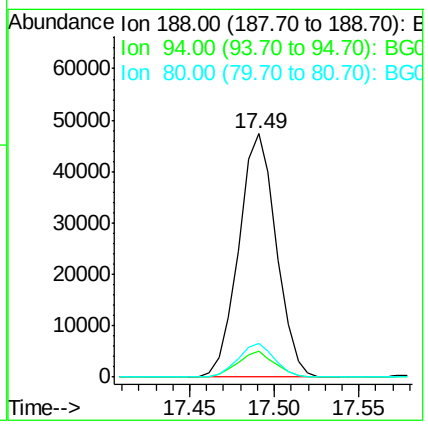
Manual Integrations APPROVED
Sohil
3/2/2016 12:51:45 PM

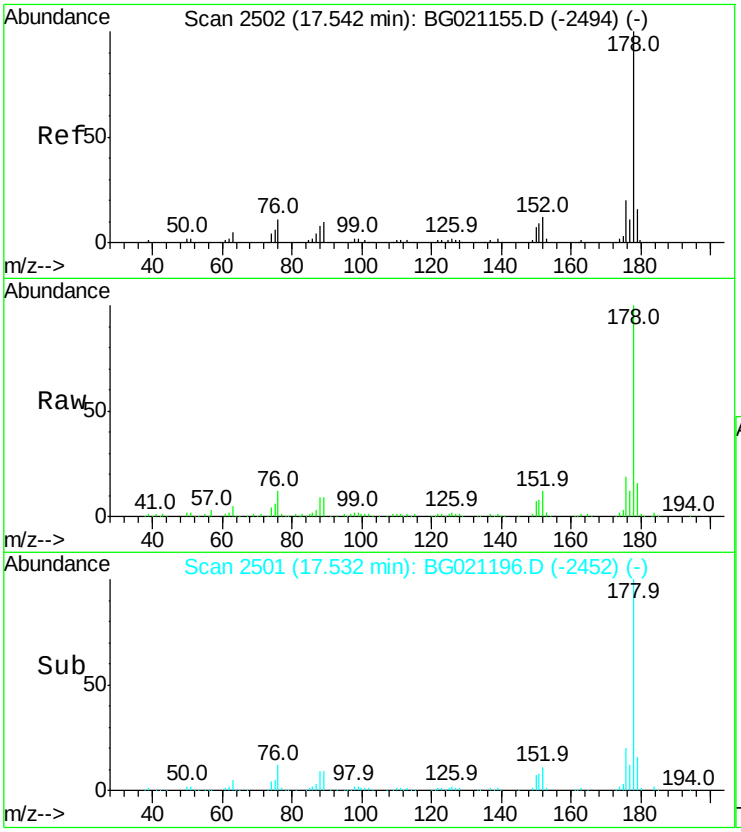


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.49 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

Tgt Ion:188 Resp: 73176

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.2	12.4
80	13.6	9.2	13.8

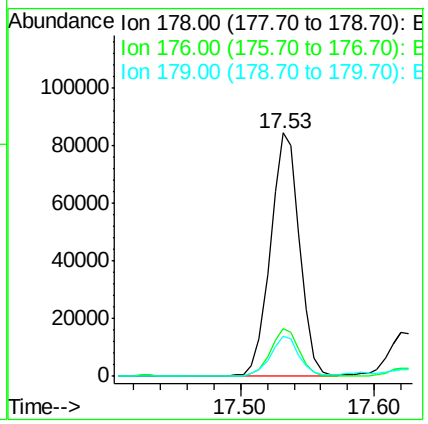




#70
Phenanthrene
Concen: 32.58 ng
RT: 17.53 min Scan# 2501
Delta R.T. -0.01 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

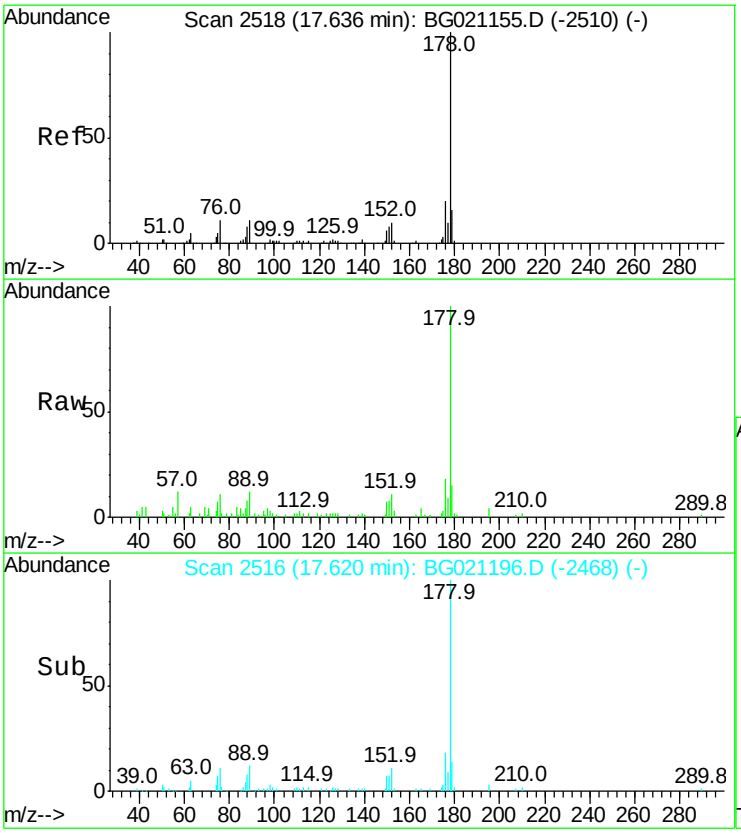
Tgt Ion:178 Resp: 128666

Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	16.3	12.9	19.3



Instrument :
BNA_G
ClientSampleId :
CEB-4(2.5-5)20160223

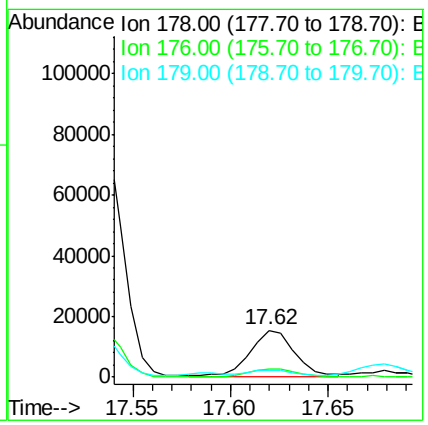
Manual Integrations APPROVED
Sohil
3/2/2016 12:51:45 PM

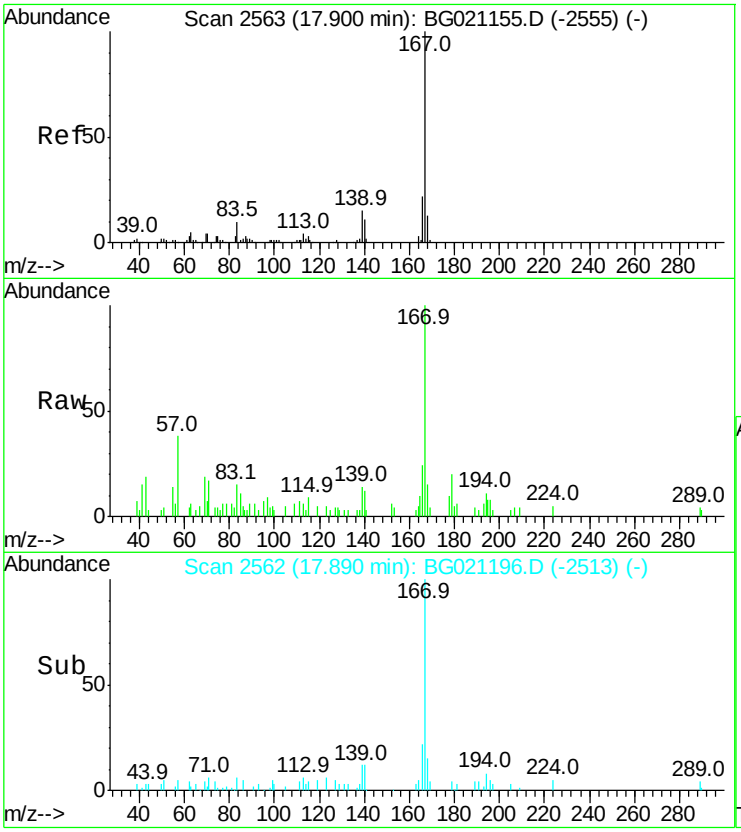


#71
Anthracene
Concen: 5.89 ng
RT: 17.62 min Scan# 2516
Delta R.T. -0.02 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

Tgt Ion:178 Resp: 23800

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.3	12.6	19.0

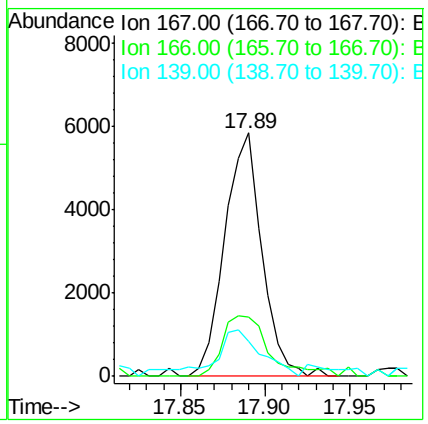




#72
Carbazole
Concen: 2.50 ng
RT: 17.89 min Scan# 2562
Delta R.T. -0.01 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

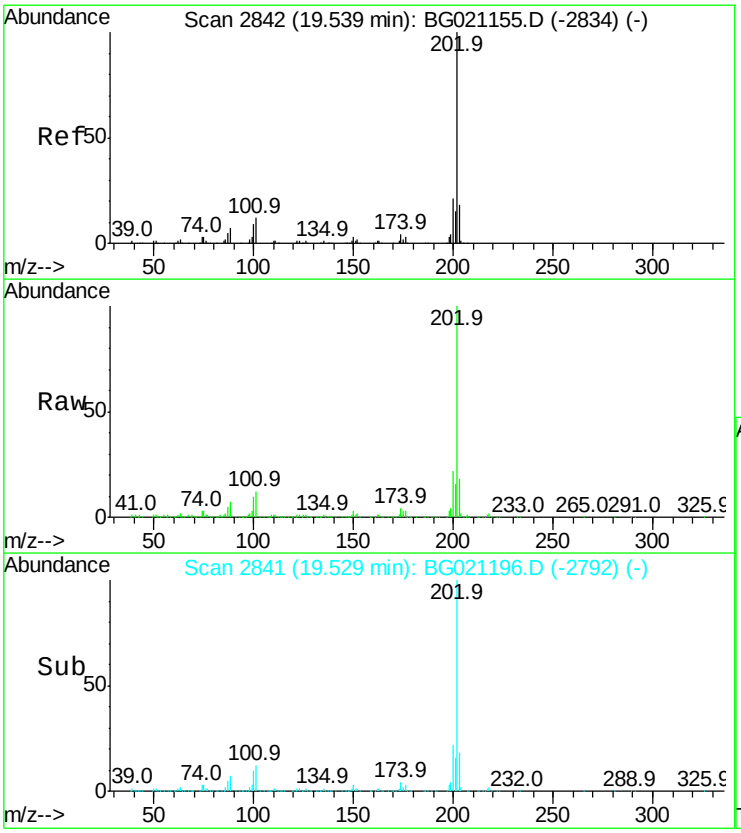
Tgt Ion:167 Resp: 8943

Ion	Ratio	Lower	Upper
167	100		
166	24.2	17.5	26.3
139	14.4	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
CEB-4(2.5-5)20160223

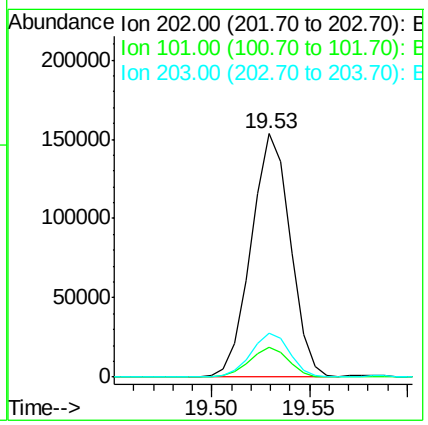
Manual Integrations APPROVED
Sohil
3/2/2016 12:51:45 PM

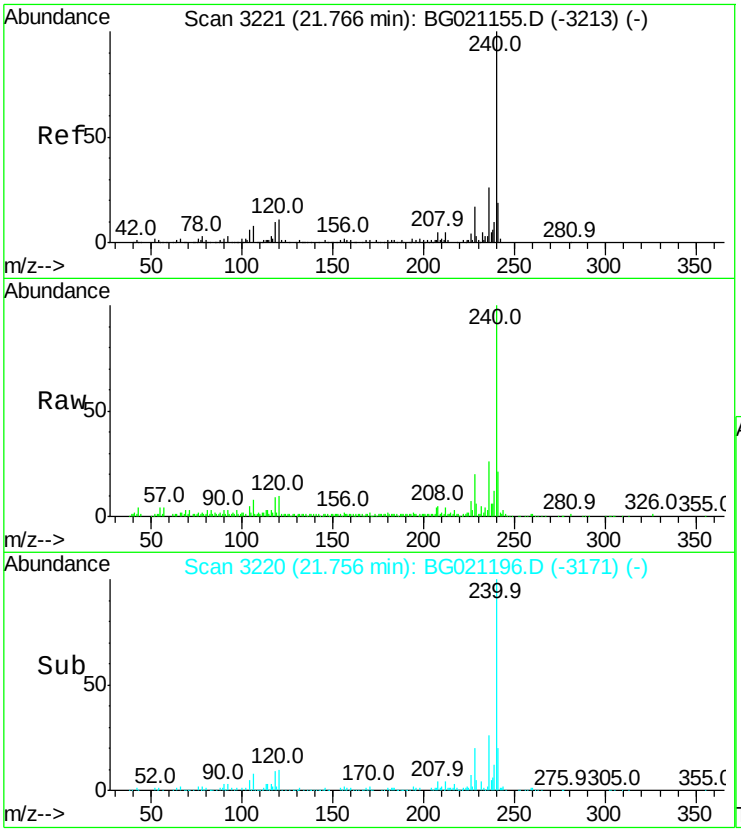


#74
Fluoranthene
Concen: 45.96 ng
RT: 19.53 min Scan# 2841
Delta R.T. -0.01 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

Tgt Ion:202 Resp: 213212

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	32.5
203	18.0	0.0	37.6

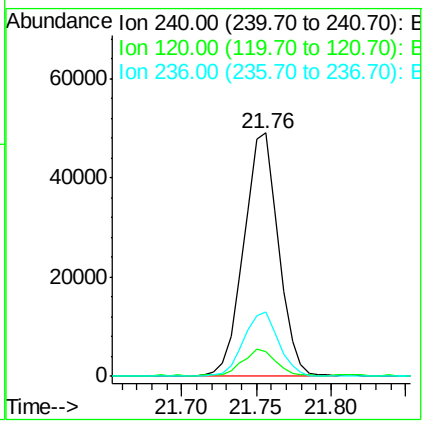




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.76 min Scan# 3220
Delta R.T. -0.01 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

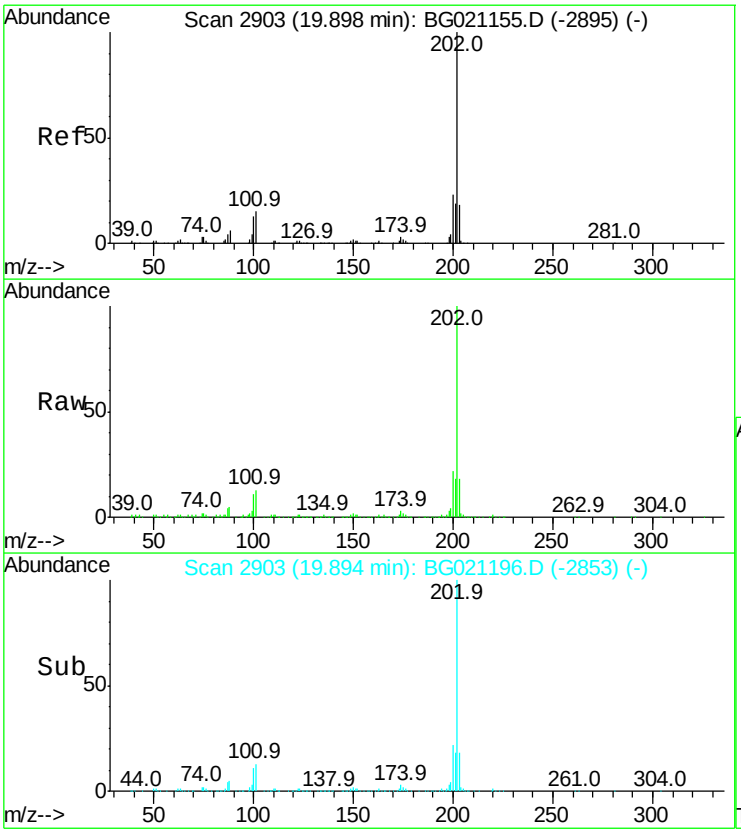
Tgt Ion:240 Resp: 78540

Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.5	11.3
236	26.4	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
CEB-4(2.5-5)20160223

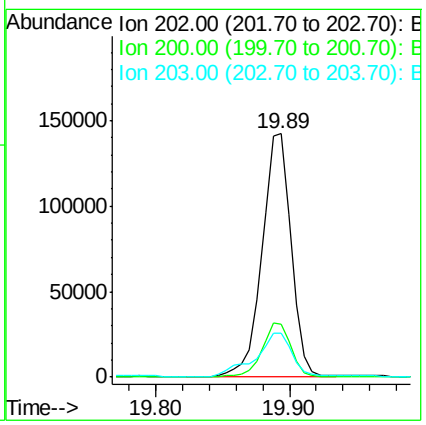
Manual Integrations APPROVED
Sohil
3/2/2016 12:51:45 PM

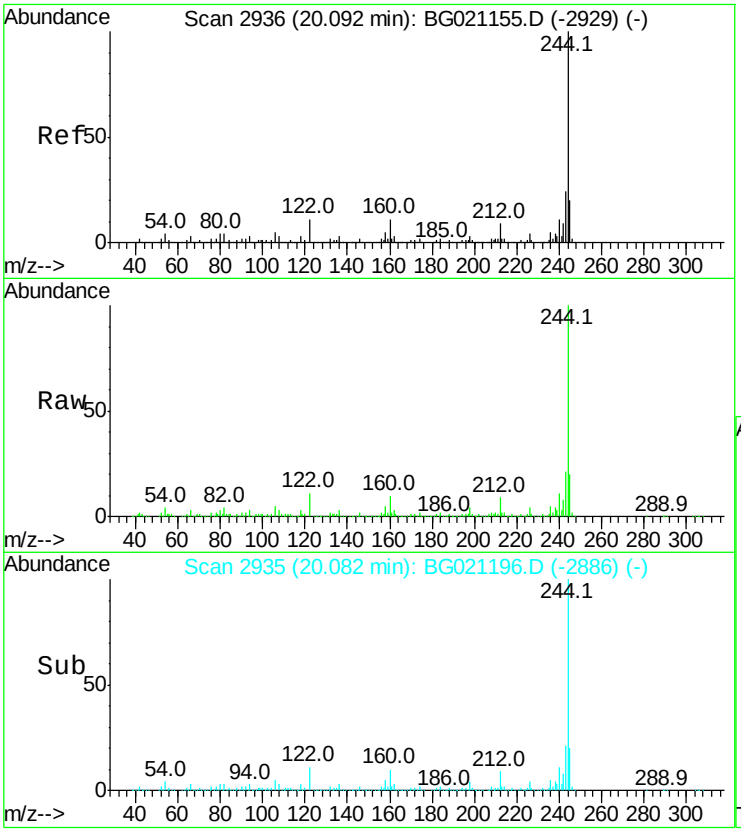


#77
Pyrene
Concen: 45.86 ng
RT: 19.89 min Scan# 2903
Delta R.T. -0.00 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

Tgt Ion:202 Resp: 214880

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.6	25.0
203	18.0	13.8	20.8

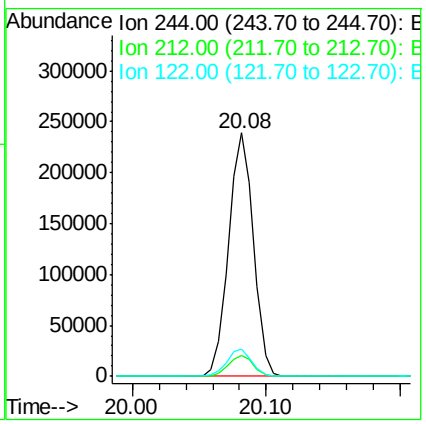




#78
Terphenyl-d14
Concen: 95.86 ng
RT: 20.08 min Scan# 2935
Delta R.T. -0.01 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

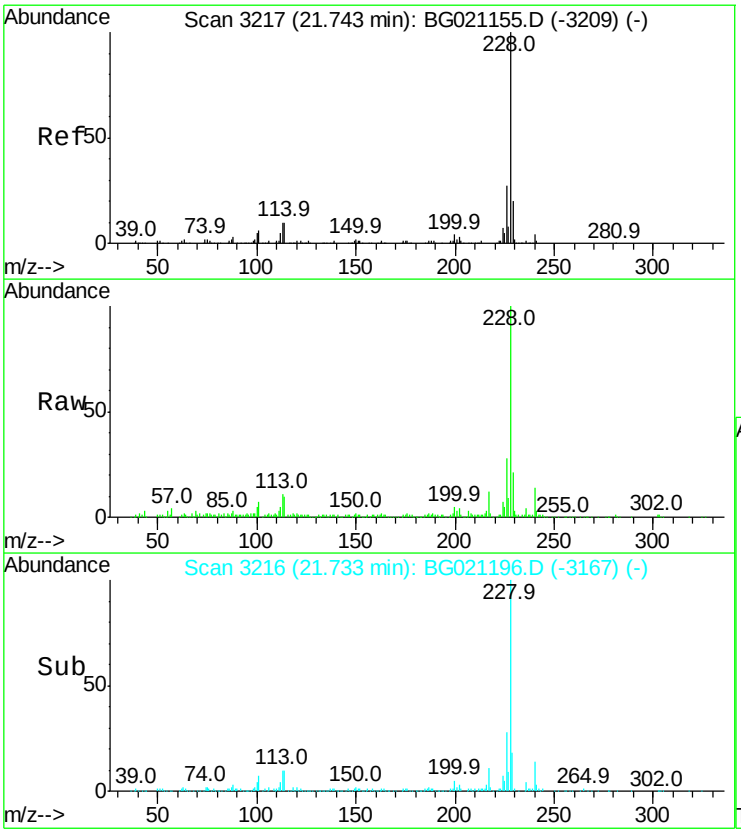
Tgt Ion:244 Resp: 310773

Ion	Ratio	Lower	Upper
244	100		
212	8.8	5.8	8.6#
122	11.0	8.3	12.5



Instrument :
BNA_G
ClientSampleId :
CEB-4(2.5-5)20160223

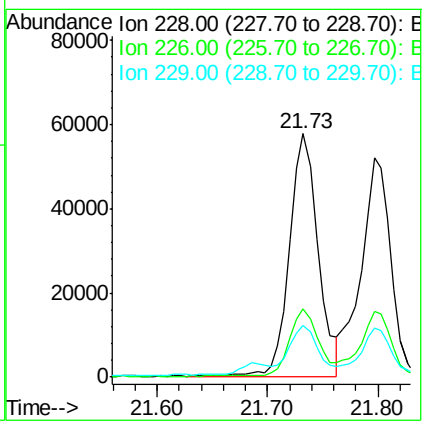
Manual Integrations APPROVED
Sohil
3/2/2016 12:51:45 PM

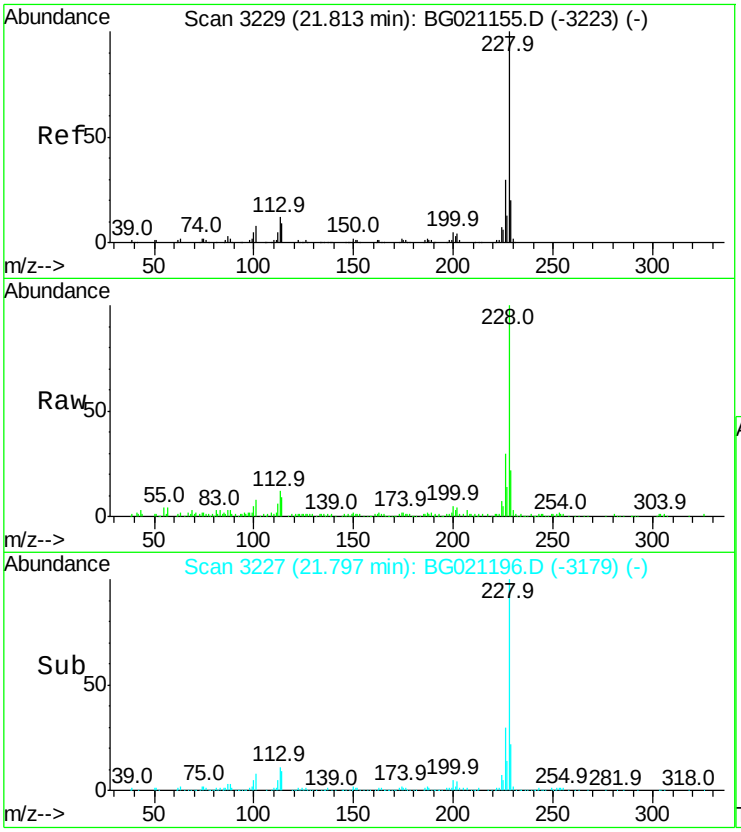


#80
Benzo(a)anthracene
Concen: 21.86 ng
RT: 21.73 min Scan# 3216
Delta R.T. -0.01 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

Tgt Ion:228 Resp: 101643

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.7	34.1
229	21.4	15.5	23.3

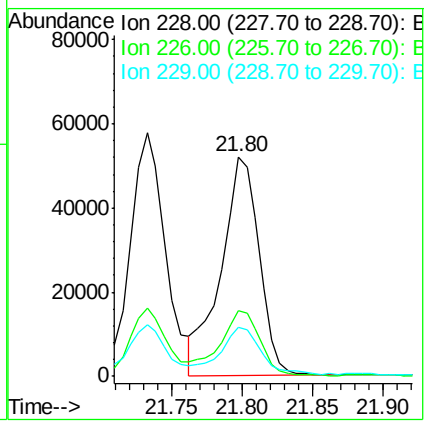




#82
Chrysene
Concen: 22.17 ng
RT: 21.80 min Scan# 3227
Delta R.T. -0.02 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

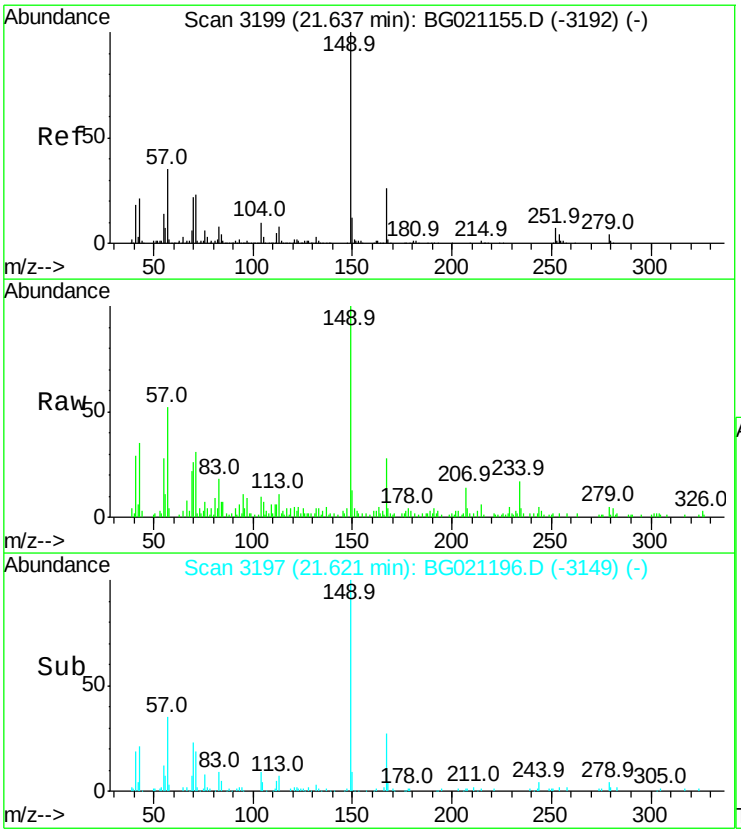
Tgt Ion:228 Resp: 97686

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.7	35.5
229	22.3	16.7	25.1



Instrument :
BNA_G
ClientSampleId :
CEB-4(2.5-5)20160223

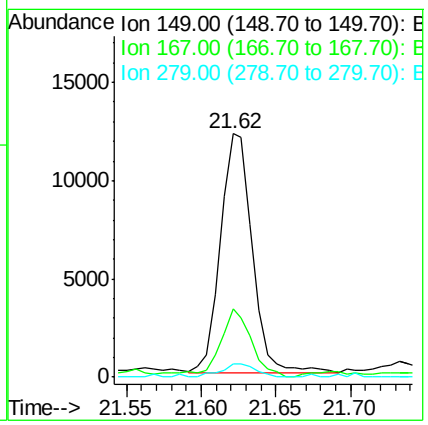
Manual Integrations APPROVED
Sohil
3/2/2016 12:51:45 PM

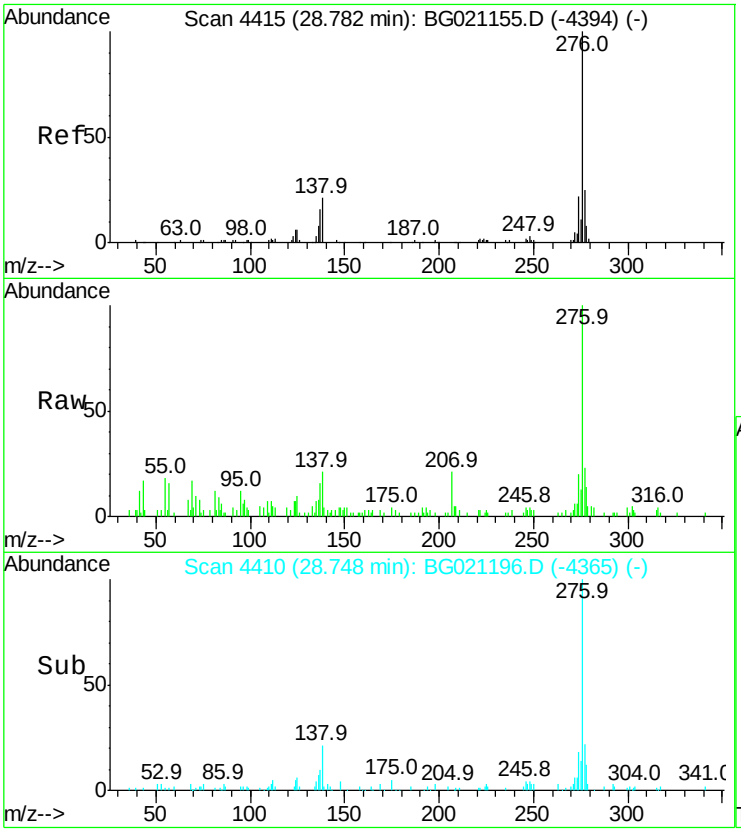


#83
Bis(2-ethylhexyl)phthalate
Concen: 5.18 ng
RT: 21.62 min Scan# 3197
Delta R.T. -0.02 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

Tgt Ion:149 Resp: 18148

Ion	Ratio	Lower	Upper
149	100		
167	28.0	18.9	28.3
279	5.2	3.0	4.6#





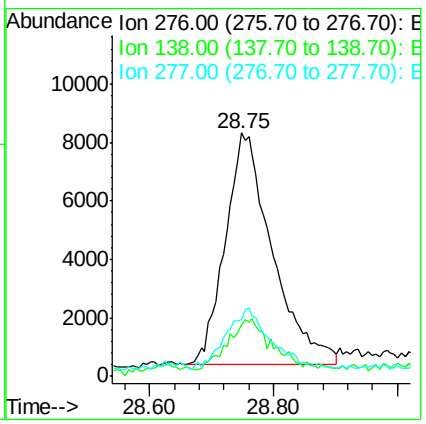
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.23 ng
RT: 28.75 min Scan# 4410
Delta R.T. -0.03 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

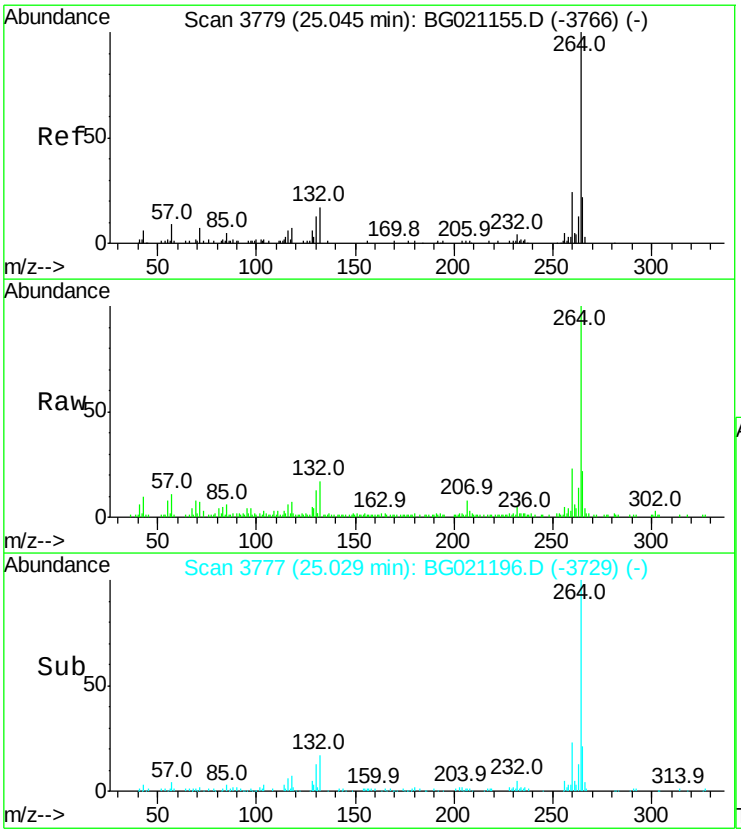
Tgt Ion:276 Resp: 41602

Ion	Ratio	Lower	Upper
276	100		
138	21.0	0.0	0.0#
277	25.3	0.0	0.0#

Instrument :
BNA_G
ClientSampleId :
CEB-4(2.5-5)20160223

Manual Integrations APPROVED
Sohil
3/2/2016 12:51:45 PM

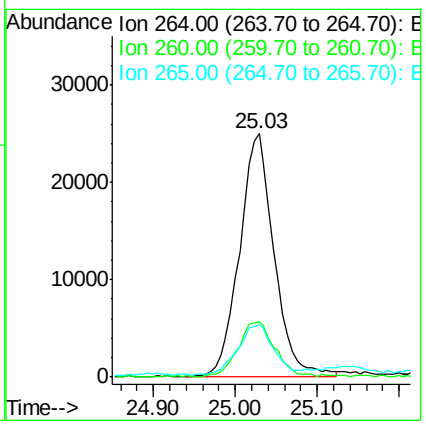


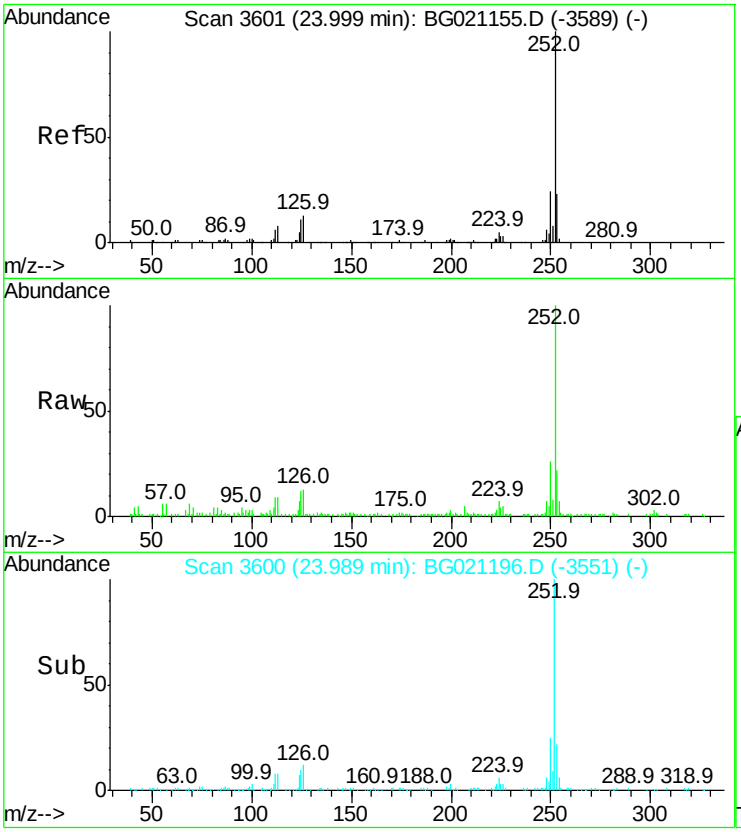


#86
Perylene-d12
Concen: 20.00 ng
RT: 25.03 min Scan# 3777
Delta R.T. -0.02 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

Tgt Ion:264 Resp: 73778

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.5	27.7
265	22.0	18.6	28.0

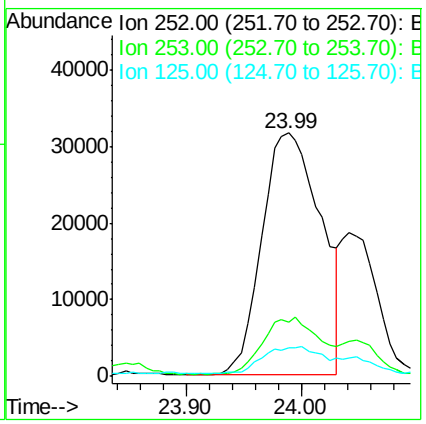




#87
Benzo(b)fluoranthene
Concen: 24.15 ng
RT: 23.99 min Scan# 3600
Delta R.T. -0.01 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

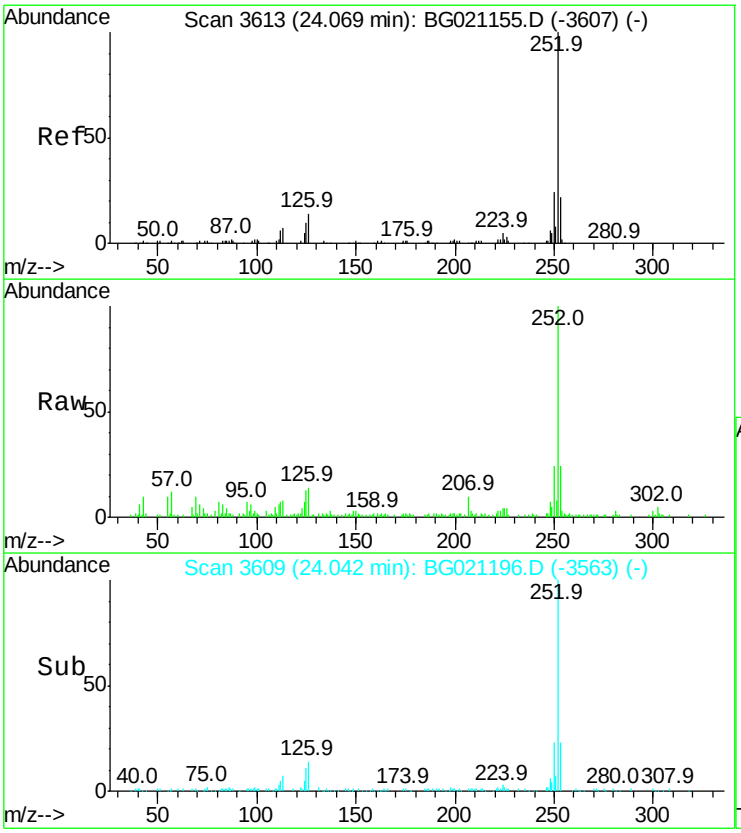
Tgt Ion:252 Resp: 112070

Ion	Ratio	Lower	Upper
252	100		
253	22.5	16.8	25.2
125	11.9	8.2	12.2



Instrument :
BNA_G
ClientSampleId :
CEB-4(2.5-5)20160223

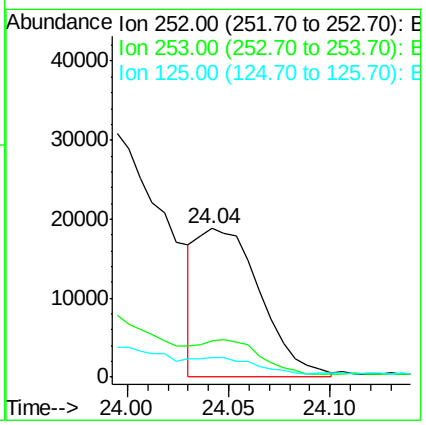
Manual Integrations APPROVED
Sohil
3/2/2016 12:51:45 PM

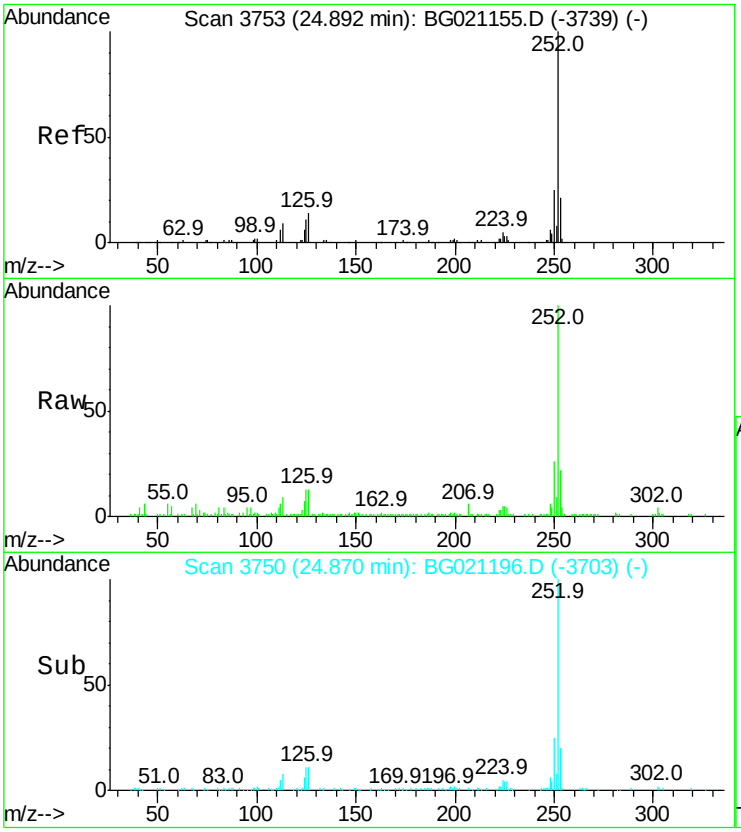


#88
Benzo(k)fluoranthene
Concen: 8.75 ng m
RT: 24.04 min Scan# 3609
Delta R.T. -0.03 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

Tgt Ion:252 Resp: 40684

Ion	Ratio	Lower	Upper
252	100		
253	24.1	16.4	24.6
125	13.0	8.2	12.2#





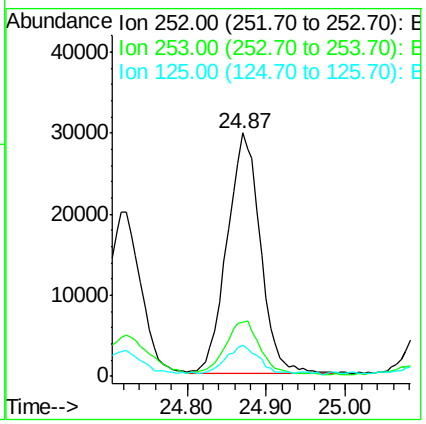
#89
Benzo(a)pyrene
Concen: 19.18 ng
RT: 24.87 min Scan# 3750
Delta R.T. -0.02 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

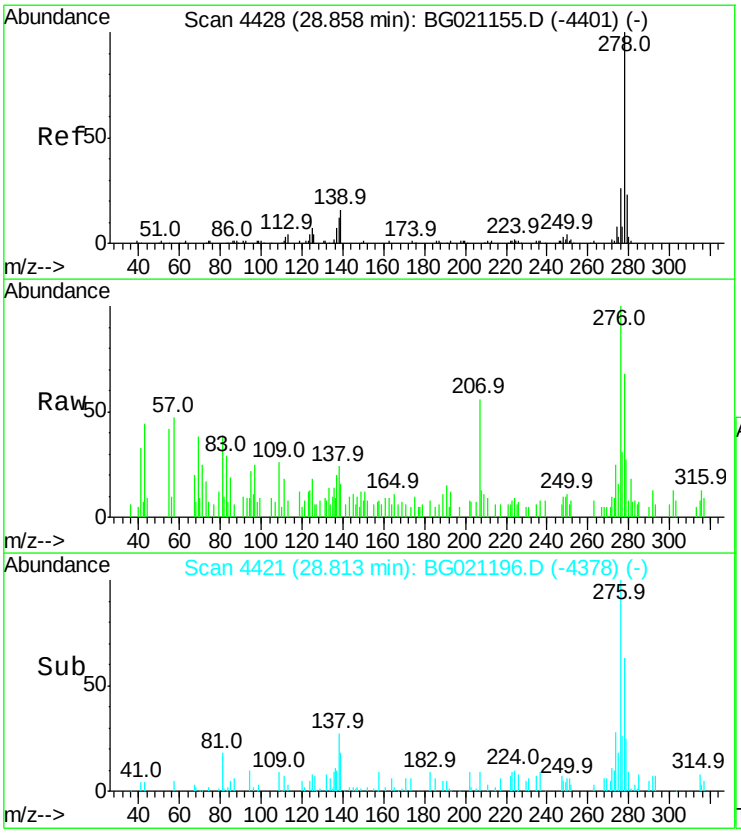
Tgt Ion:252 Resp: 86035

Ion	Ratio	Lower	Upper
252	100		
253	22.4	15.8	23.8
125	12.8	8.4	12.6#

Instrument :
BNA_G
ClientSampleId :
CEB-4(2.5-5)20160223

Manual Integrations APPROVED
Sohil
3/2/2016 12:51:45 PM

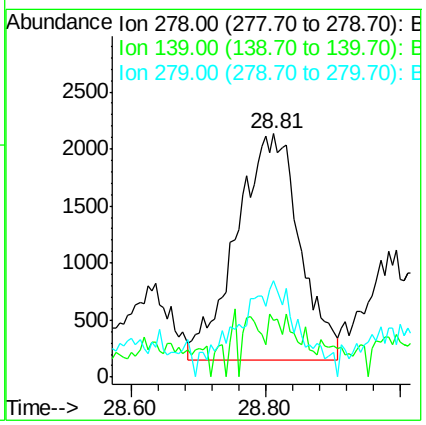


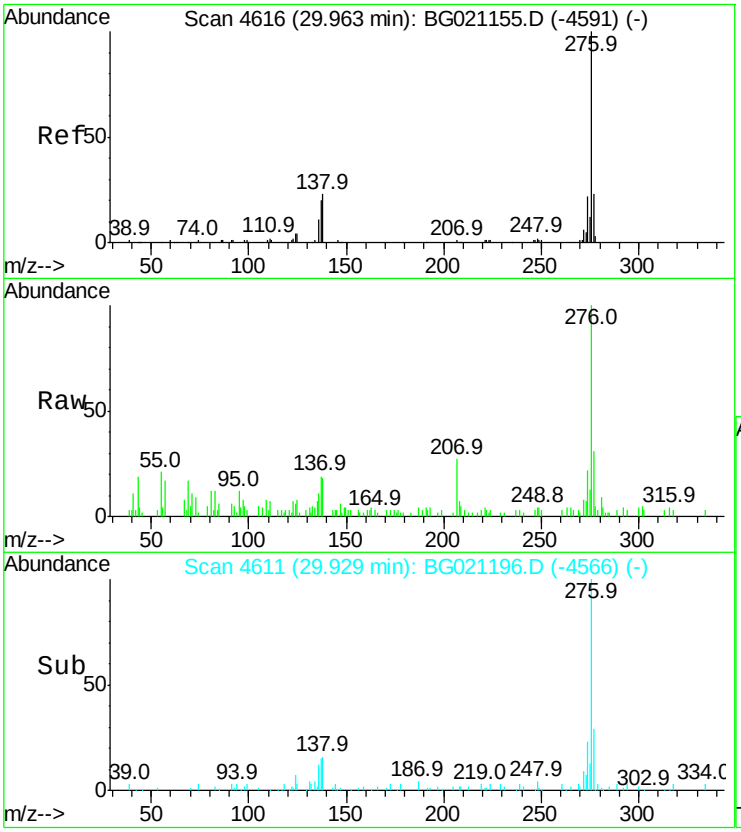


#90
Dibenzo(a,h)anthracene
Concen: 2.92 ng m
RT: 28.81 min Scan# 4421
Delta R.T. -0.05 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

Tgt Ion:278 Resp: 12972

Ion	Ratio	Lower	Upper
278	100		
139	23.4	10.6	15.8#
279	39.6	19.7	29.5#

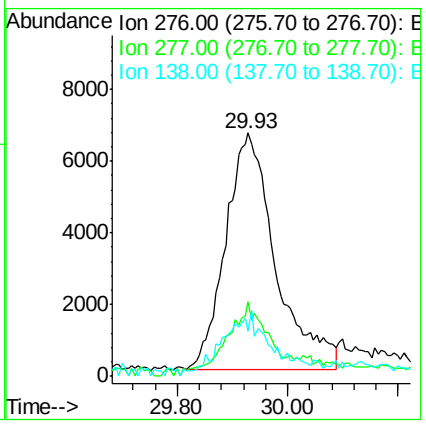




#91
Benzo(g,h,i)perylene
Concen: 9.62 ng
RT: 29.93 min Scan# 4611
Delta R.T. -0.03 min
Lab File: BG021196.D
Acq: 1 Mar 2016 23:03

Tgt Ion:276 Resp: 41249

Ion	Ratio	Lower	Upper
276	100		
277	30.9	16.6	25.0#
138	18.4	14.6	21.8



Instrument :
BNA_G
ClientSampleId :
CEB-4(2.5-5)20160223

Manual Integrations APPROVED
Sohil
3/2/2016 12:51:45 PM