Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\
Data File : BF086721.D
Acq On : 5 May 2016 22:43
Operator : UM/SJ
Sample : H2762-06
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-B2COMP

Manual Integrations APPROVED
umangi
5/6/2016 7:11:47 PM

Quant Time: May 06 11:42:53 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 04 15:12:53 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	178361	40.00	ng		-0.01
21) Naphthalene-d8	8.02	136	688965	40.00	ng		-0.01
38) Acenaphthene-d10	9.77	164	308192	40.00	ng		-0.01
63) Phenanthrene-d10	11.24	188	437653	40.00	ng		-0.01
75) Chrysene-d12	13.88	240	333234	40.00	ng		0.00
86) Perylene-d12	15.28	264	263907	40.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.32	112	1291672	119.89	ng		0.00
7) Phenol-d6	6.38	99	2047243	141.06	ng		0.01
23) Nitrobenzene-d5	7.30	82	1212878	90.46	ng		-0.01
41) 2,4,6-Tribromophenol	10.56	330	349374	115.89	ng		-0.01
44) 2-Fluorobiphenyl	9.09	172	1468440	78.10	ng		-0.01
78) Terphenyl-d14	12.83	244	979516	59.41	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.04	128	3246673	92.24	ng		96
37) 2-Methylnaphthalene	8.73	142	613665	29.55	ng		97
45) 1,1'-Biphenyl	9.20	154	116756	4.63	ng		97
48) Acenaphthylene	9.63	152	376746	13.05	ng		97
49) Dimethylphthalate	9.49	163	179556	7.82	ng		99
51) Acenaphthene	9.80	154	291629	15.32	ng		98
57) Fluorene	10.32	166	311130	16.27	ng		96
70) Phenanthrene	11.28	178	1057731	44.99	ng		100
71) Anthracene	11.32	178	347640	14.12	ng		98
74) Fluoranthene	12.45	202	449800	19.09	ng		97
77) Pyrene	12.68	202	621154	23.38	ng		100
80) Benzo(a)anthracene	13.87	228	218342	11.59	ng	#	70
82) Chrysene	13.91	228	231738m	11.53	ng		
85) Indeno(1,2,3-cd)pyrene	16.59	276	74524m	4.32	ng		
87) Benzo(b)fluoranthene	14.89	252	182500m	11.51	ng		
88) Benzo(k)fluoranthene	14.90	252	61104m	4.09	ng		
89) Benzo(a)pyrene	15.22	252	160204	10.97	ng	#	91
91) Benzo(g,h,i)perylene	16.99	276	97071	6.59	ng		94

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

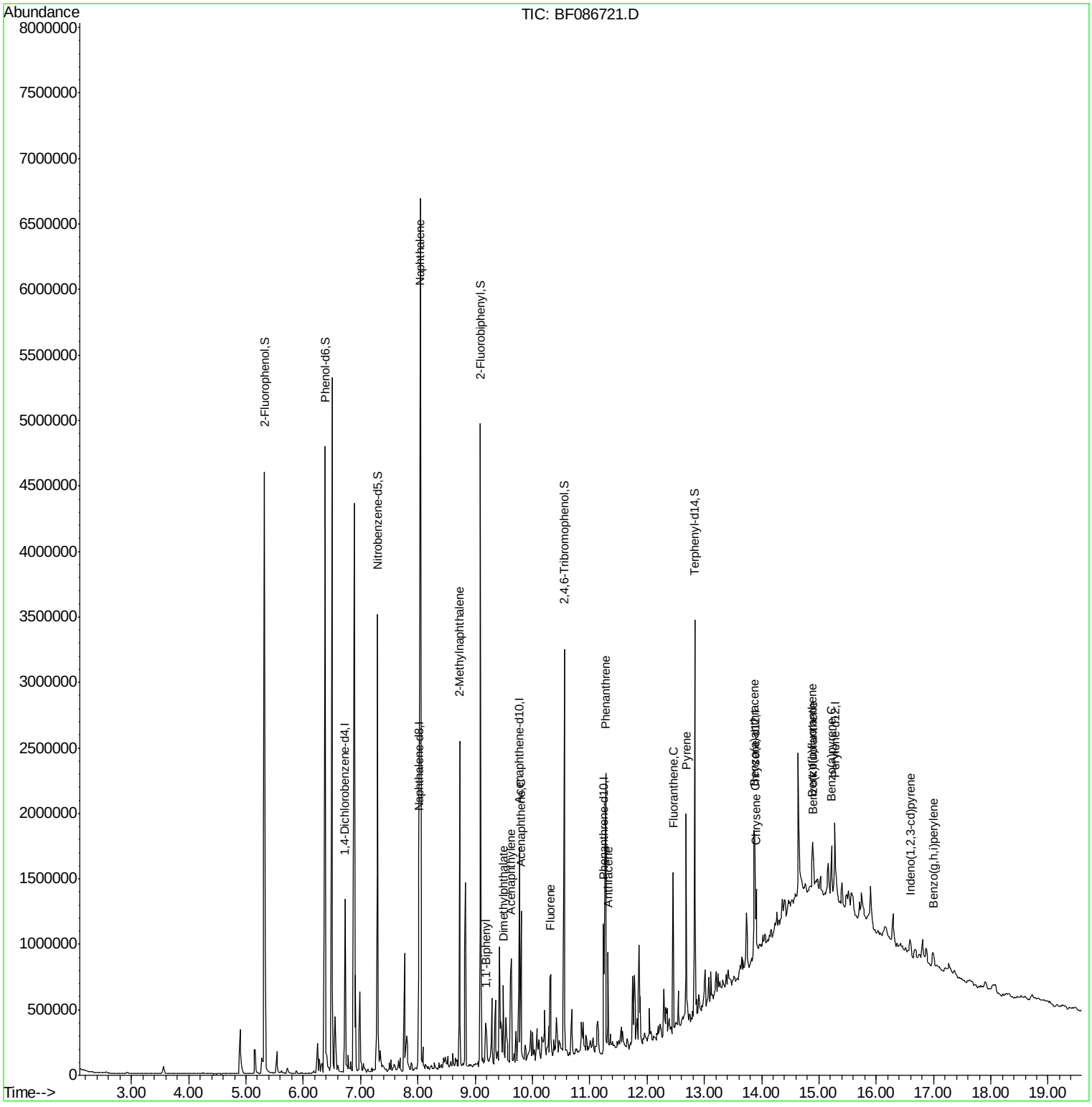
Quantitation Report (LSC Reviewed)

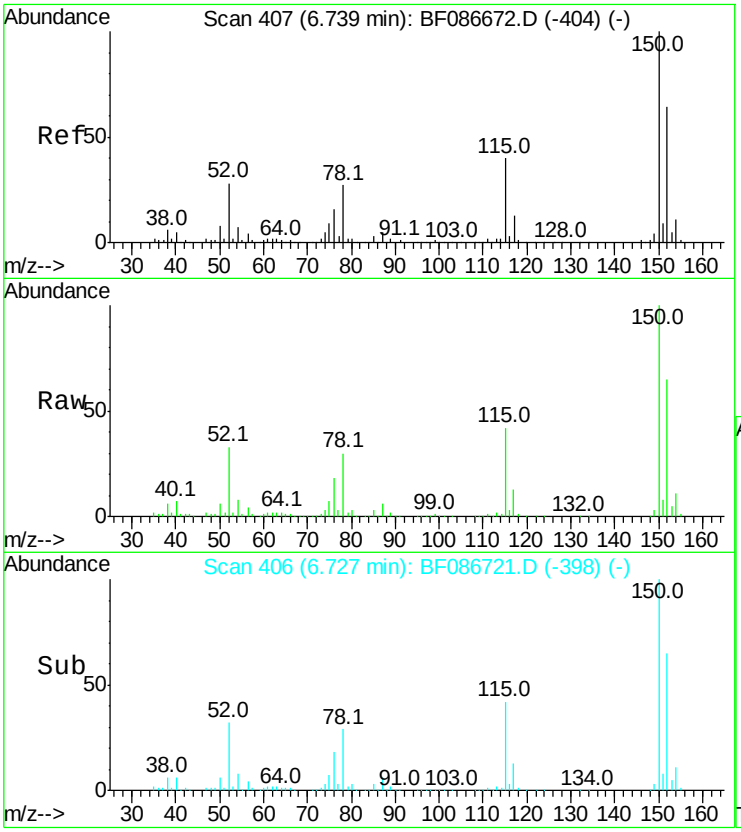
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\
Data File : BF086721.D
Acq On : 5 May 2016 22:43
Operator : UM/SJ
Sample : H2762-06
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 06 11:42:53 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 04 15:12:53 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

Manual Integrations APPROVED
umangi
5/6/2016 7:11:47 PM

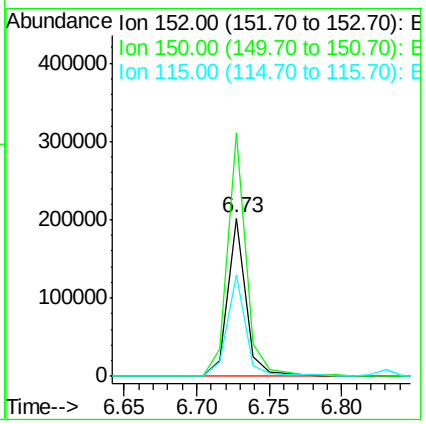




#1
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.01 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

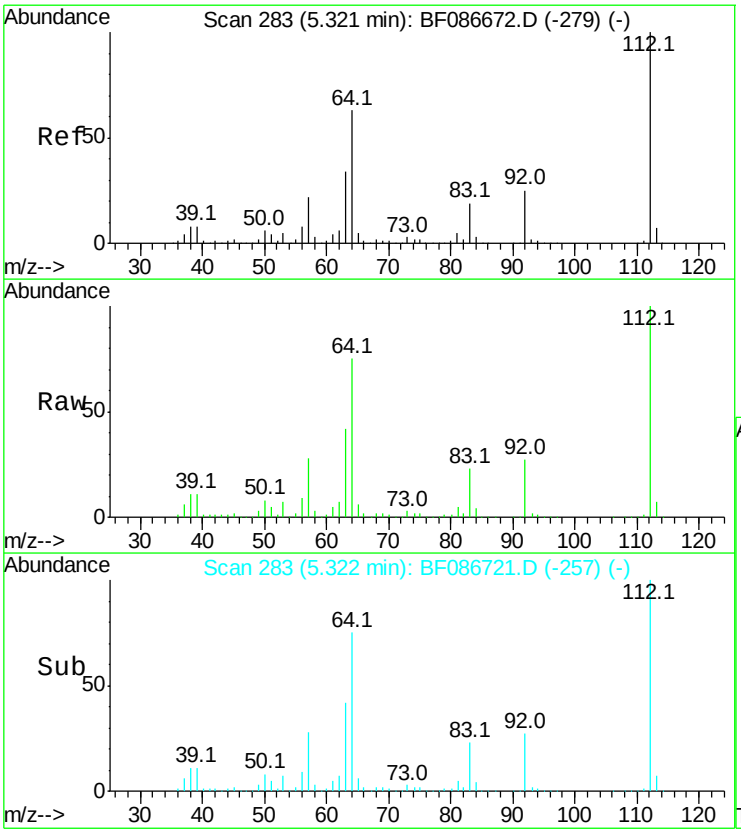
Tgt Ion:152 Resp: 178361

Ion	Ratio	Lower	Upper
152	100		
150	154.2	125.8	188.6
115	64.5	51.5	77.3



Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

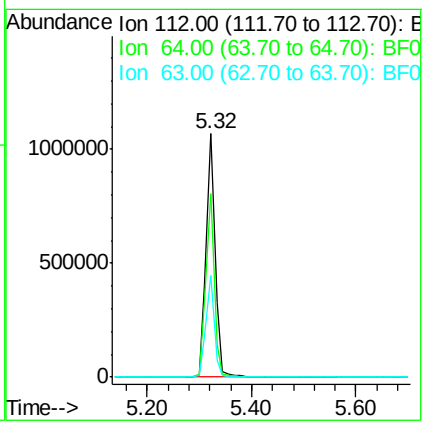
Manual Integrations APPROVED
umangi
5/6/2016 7:11:47 PM

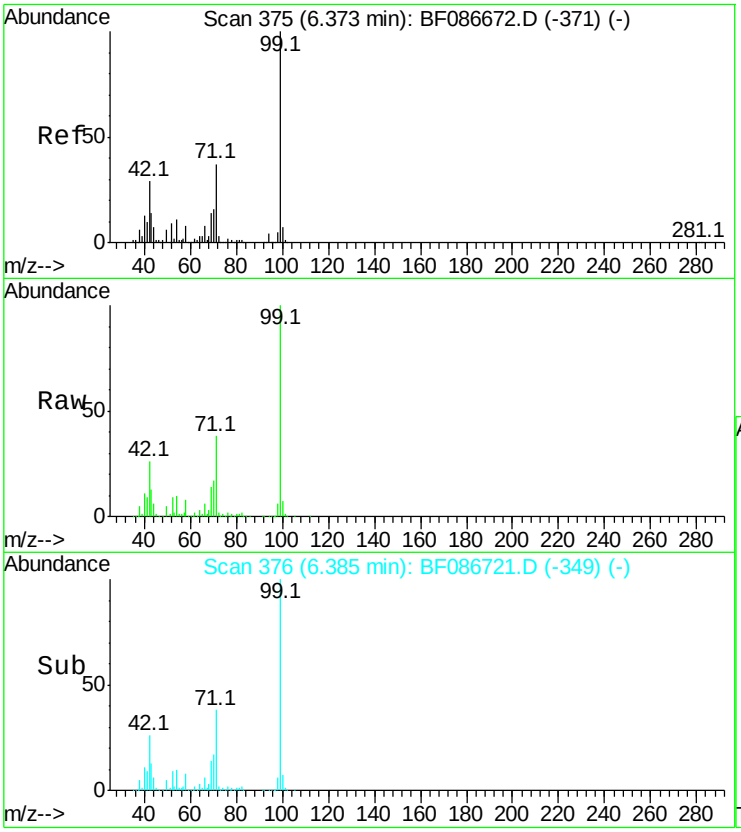


#5
2-Fluorophenol
Concen: 119.89 ng
RT: 5.32 min Scan# 283
Delta R.T. 0.00 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

Tgt Ion:112 Resp: 1291672

Ion	Ratio	Lower	Upper
112	100		
64	75.2	52.1	78.1
63	41.5	25.7	38.5#

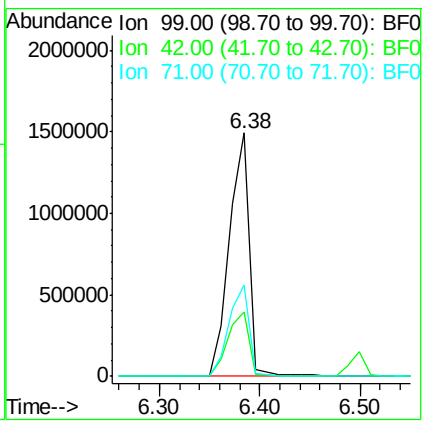




#7
Phenol-d6
Concen: 141.06 ng
RT: 6.38 min Scan# 376
Delta R.T. 0.01 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

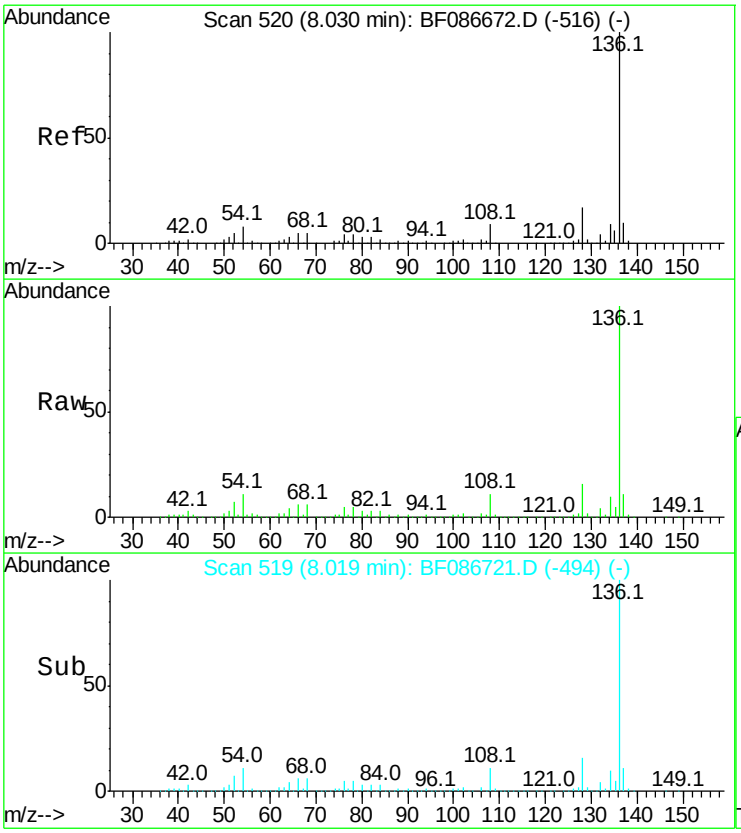
Tgt Ion: 99 Resp: 2047243

Ion	Ratio	Lower	Upper
99	100		
42	26.4	13.6	20.4#
71	37.7	24.6	36.8#



Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

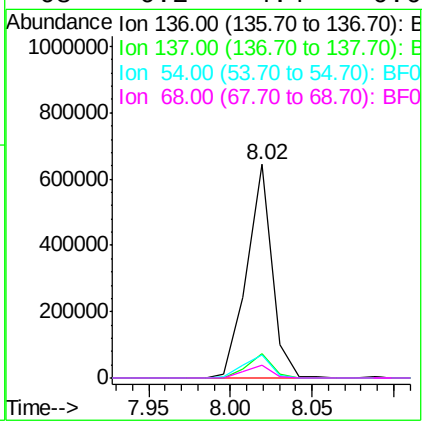
Manual Integrations APPROVED
umangi
5/6/2016 7:11:47 PM

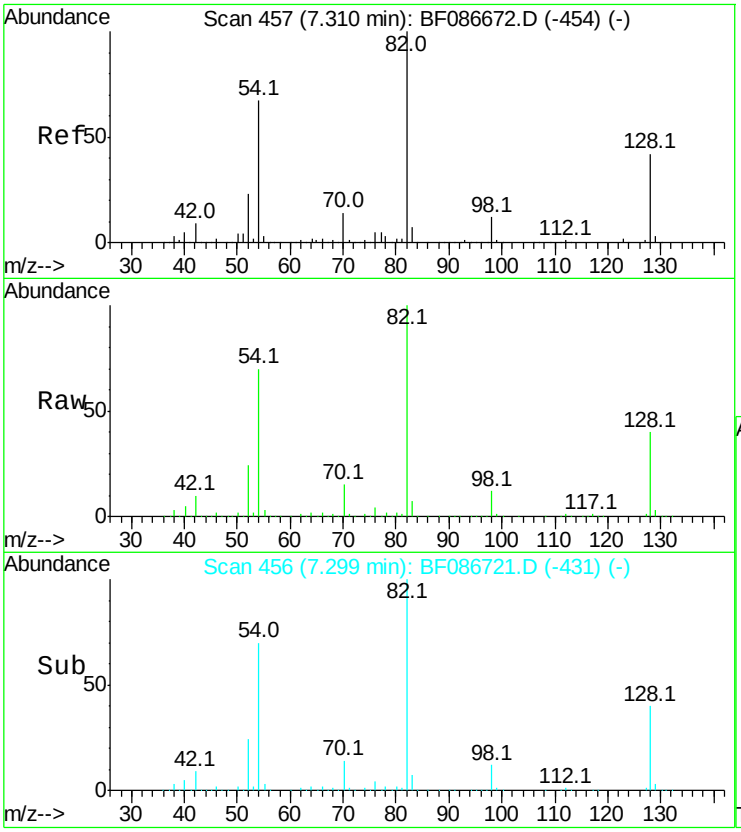


#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.01 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

Tgt Ion:136 Resp: 688965

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	10.7	5.0	7.4#
68	6.2	4.4	6.6

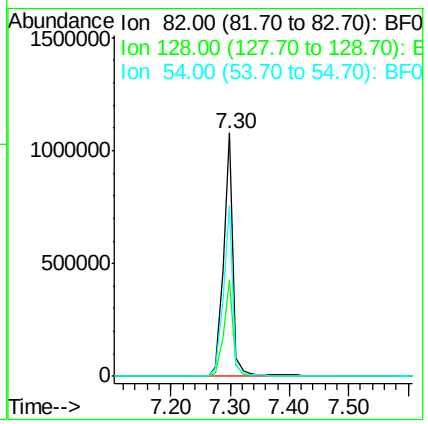




#23
Nitrobenzene-d5
Concen: 90.46 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

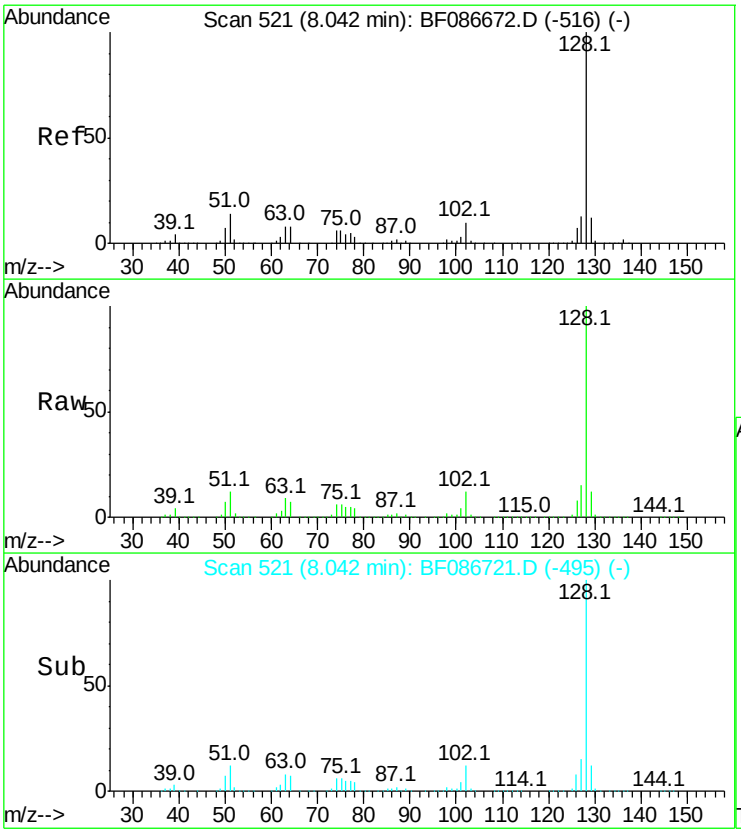
Tgt Ion: 82 Resp: 1212878

Ion	Ratio	Lower	Upper
82	100		
128	39.5	40.6	61.0#
54	69.8	38.1	57.1#



Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

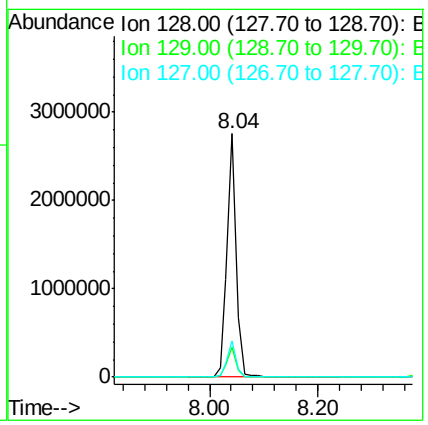
Manual Integrations APPROVED
umangi
5/6/2016 7:11:47 PM

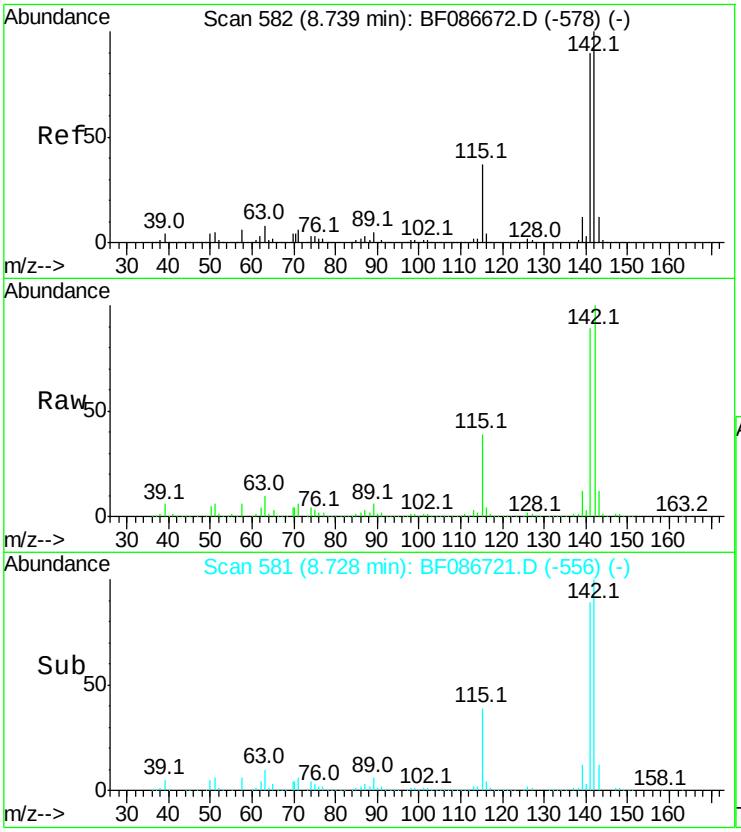


#31
Naphthalene
Concen: 92.24 ng
RT: 8.04 min Scan# 521
Delta R.T. 0.00 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

Tgt Ion:128 Resp: 3246673

Ion	Ratio	Lower	Upper
128	100		
129	12.3	8.6	13.0
127	15.0	10.8	16.2

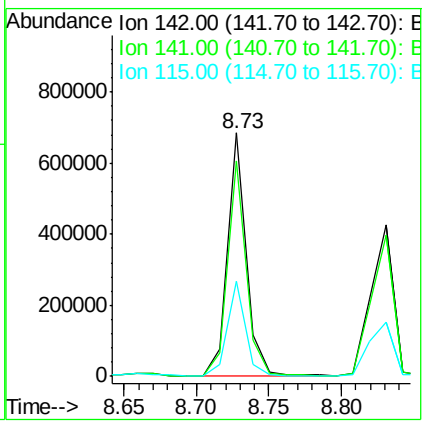




#37
2-Methylnaphthalene
Concen: 29.55 ng
RT: 8.73 min Scan# 581
Delta R.T. -0.01 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

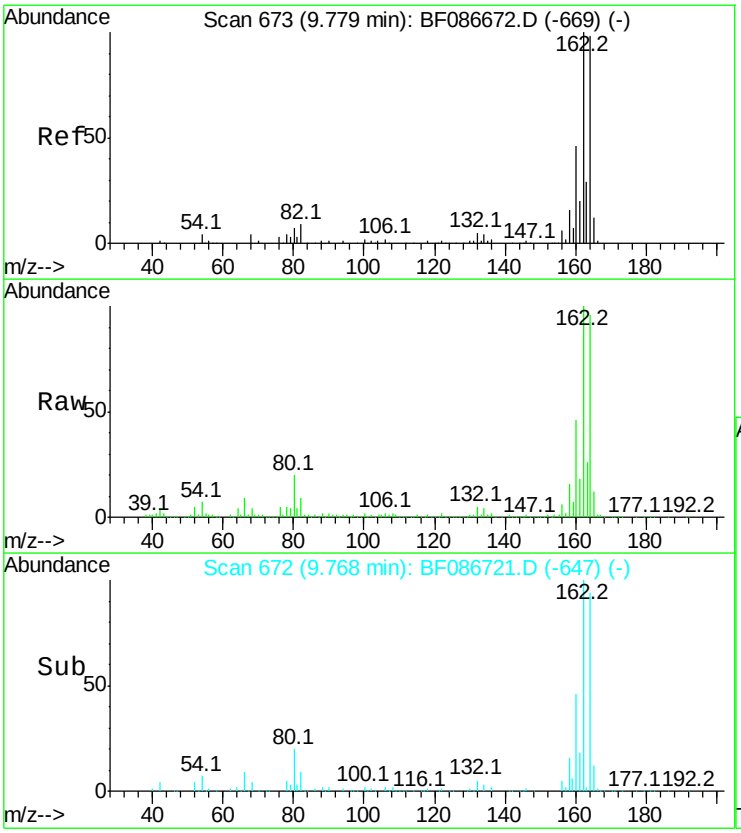
Tgt Ion:142 Resp: 613665

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.0	106.6
115	39.3	26.6	39.8



Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

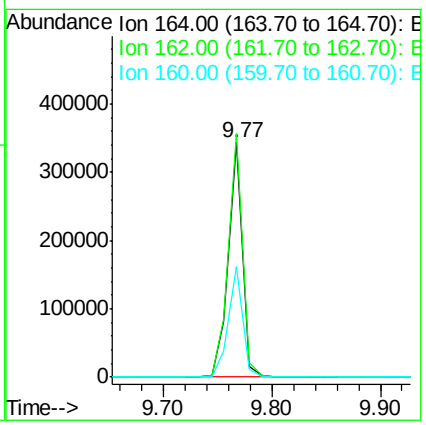
Manual Integrations APPROVED
umangi
5/6/2016 7:11:47 PM

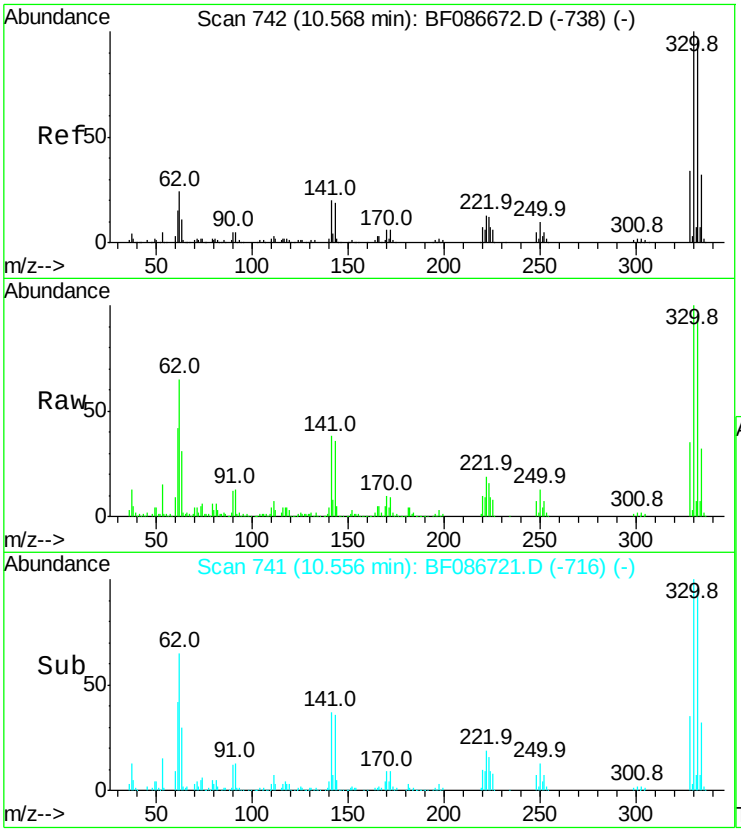


#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.01 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

Tgt Ion:164 Resp: 308192

Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.8	124.2
160	47.3	36.9	55.3

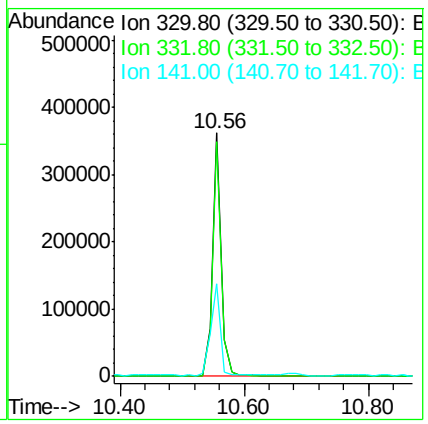




#41
2,4,6-Tribromophenol
Concen: 115.89 ng
RT: 10.56 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

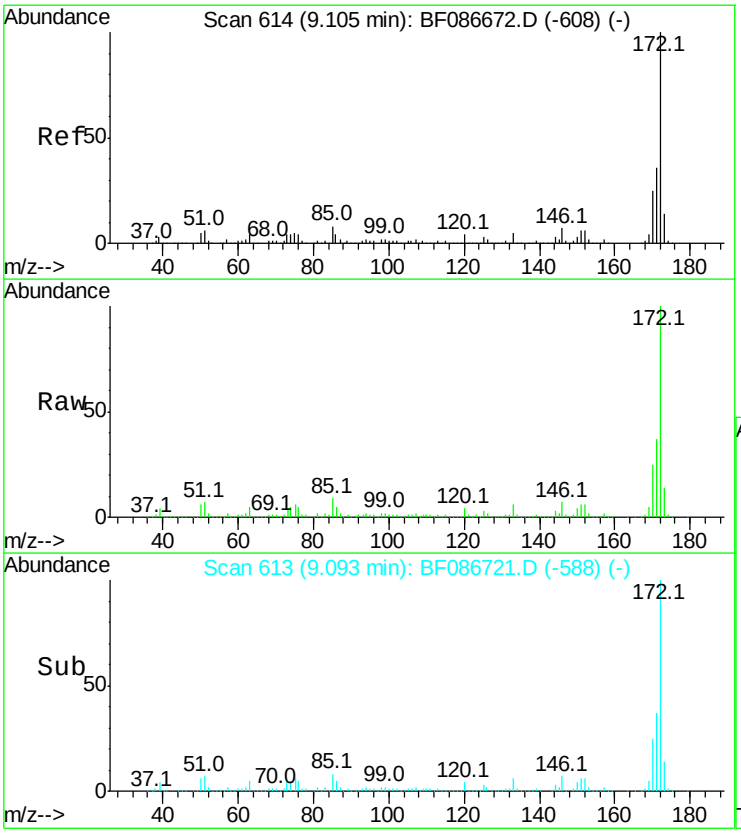
Tgt Ion:330 Resp: 349374

Ion	Ratio	Lower	Upper
330	100		
332	96.2	79.0	118.4
141	41.6	31.2	46.8



Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

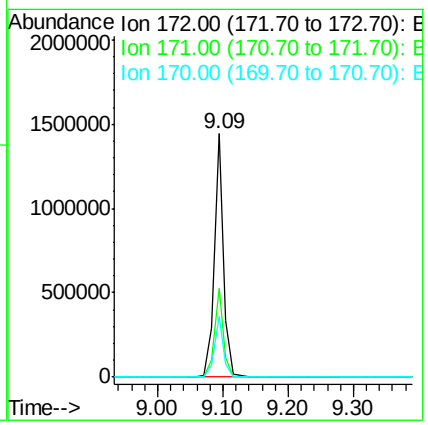
Manual Integrations APPROVED
umangi
5/6/2016 7:11:47 PM

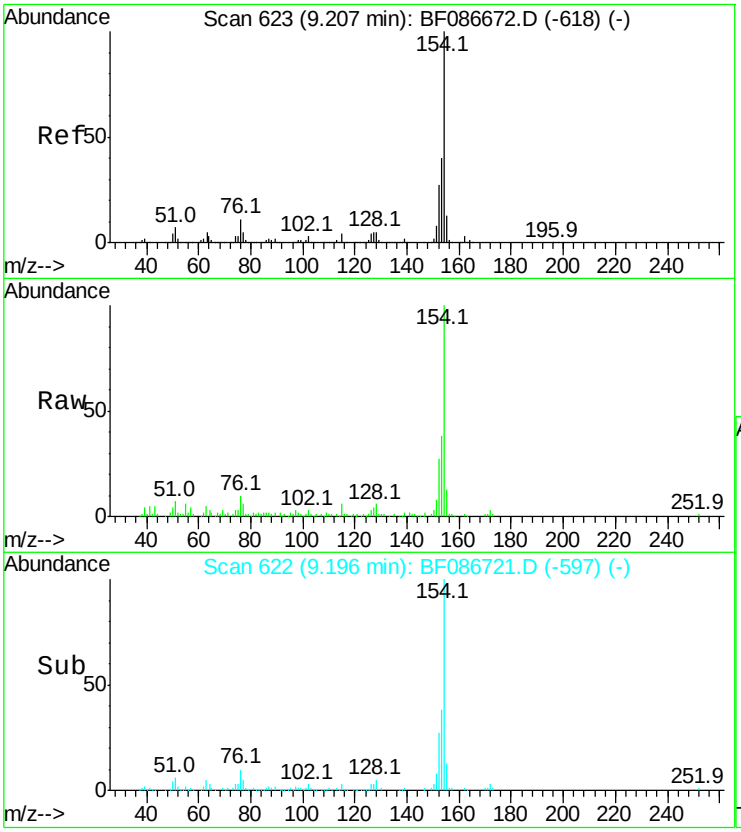


#44
2-Fluorobiphenyl
Concen: 78.10 ng
RT: 9.09 min Scan# 613
Delta R.T. -0.01 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

Tgt Ion:172 Resp: 1468440

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.0	43.6
170	24.8	19.8	29.8

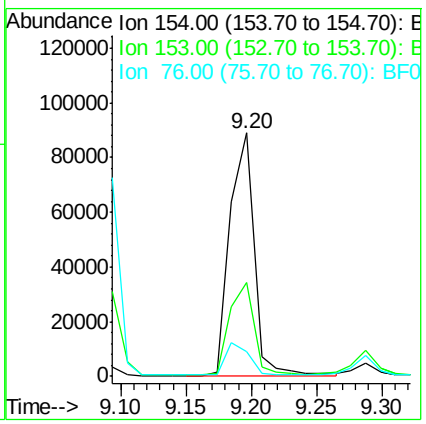




#45
1,1'-Biphenyl
Concen: 4.63 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.01 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

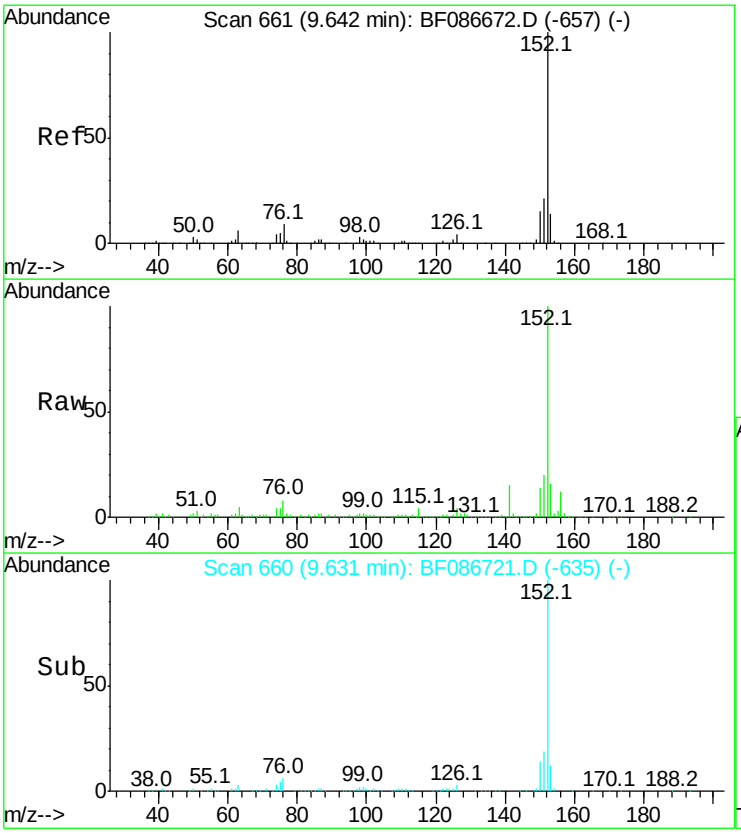
Tgt Ion:154 Resp: 116756

Ion	Ratio	Lower	Upper
154	100		
153	38.4	20.3	60.3
76	10.0	0.0	30.2



Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

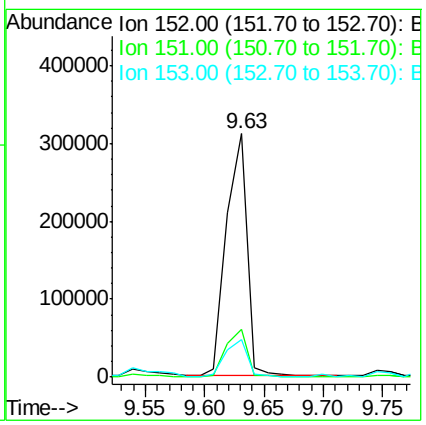
Manual Integrations APPROVED
umangi
5/6/2016 7:11:47 PM

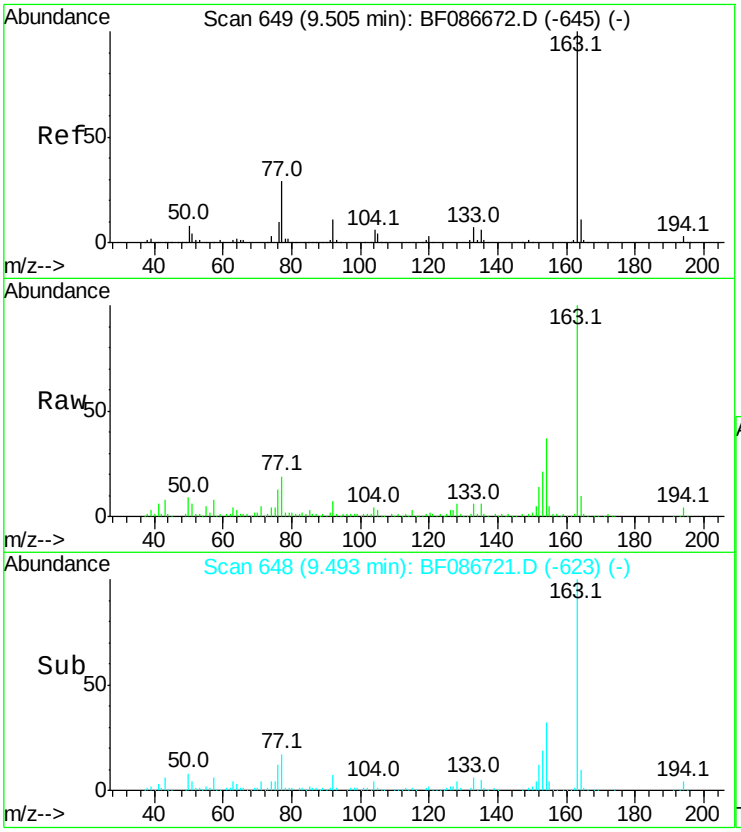


#48
Acenaphthylene
Concen: 13.05 ng
RT: 9.63 min Scan# 660
Delta R.T. -0.01 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

Tgt Ion:152 Resp: 376746

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.8	25.2
153	15.6	10.9	16.3

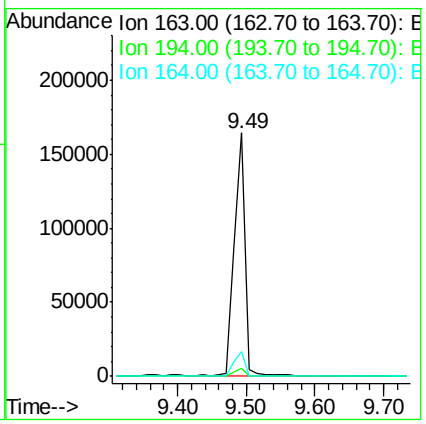




#49
Dimethylphthalate
Concen: 7.82 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

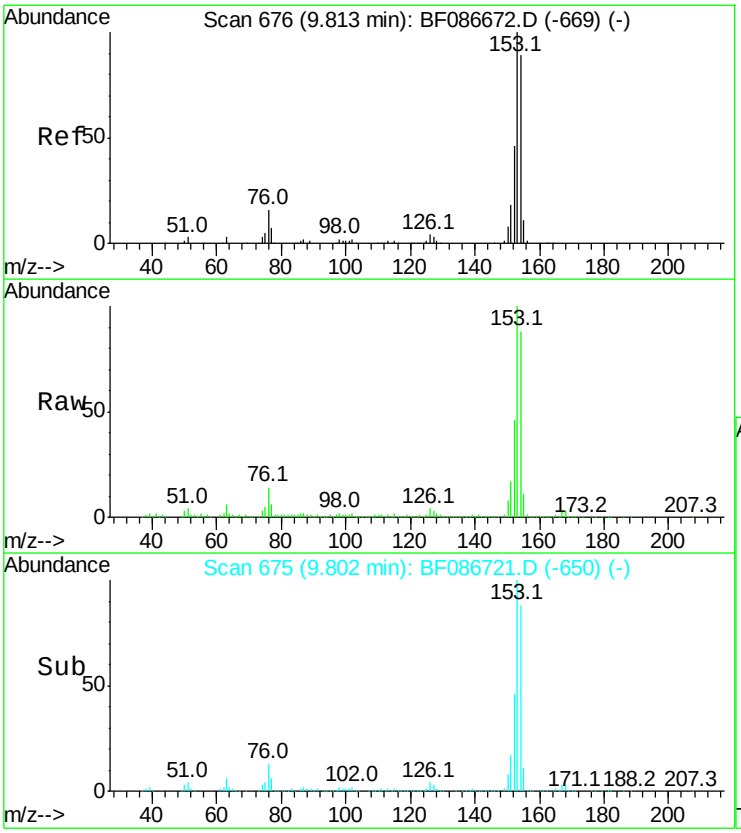
Tgt Ion:163 Resp: 179556

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	10.0	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

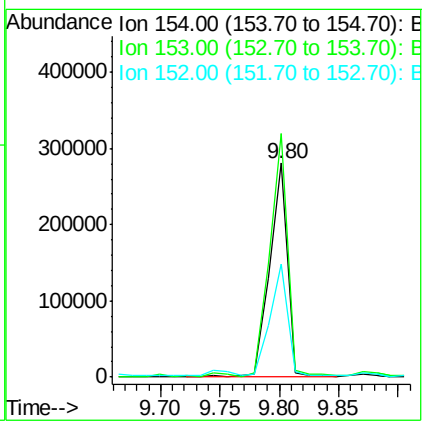
Manual Integrations APPROVED
umangi
5/6/2016 7:11:47 PM

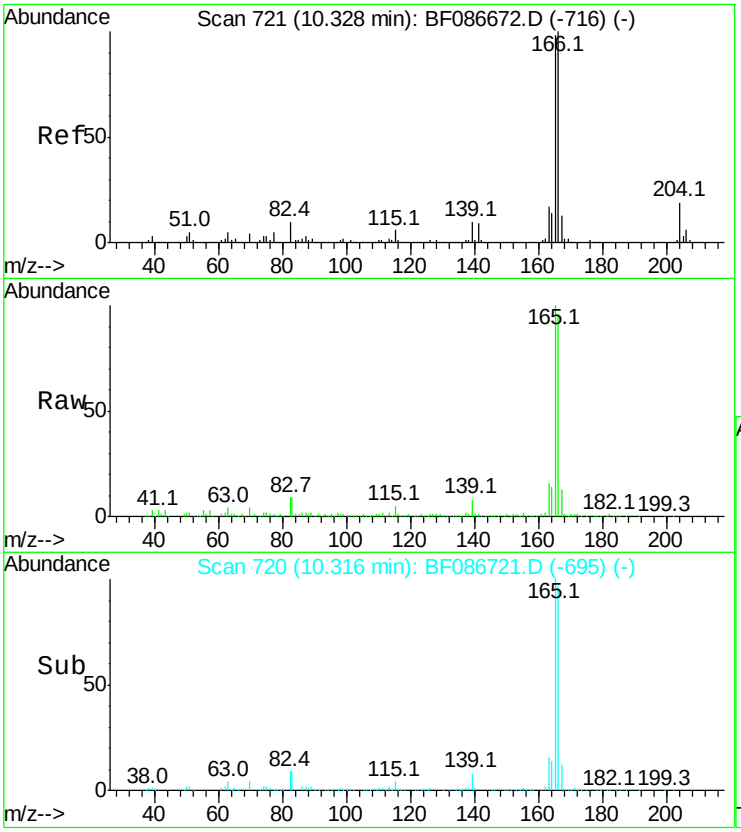


#51
Acenaphthene
Concen: 15.32 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

Tgt Ion:154 Resp: 291629

Ion	Ratio	Lower	Upper
154	100		
153	113.8	89.8	134.6
152	52.7	43.4	65.0

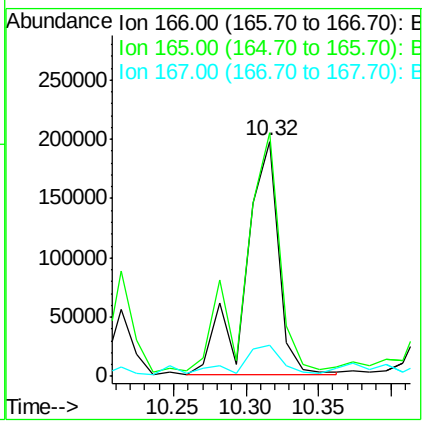




#57
Fluorene
Concen: 16.27 ng
RT: 10.32 min Scan# 720
Delta R.T. -0.01 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

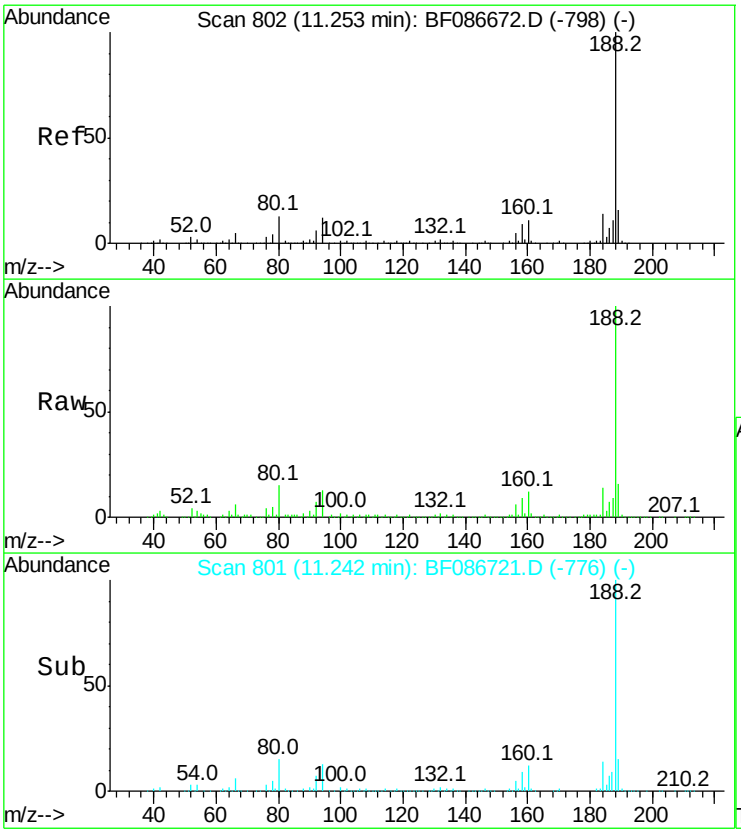
Tgt Ion:166 Resp: 311130

Ion	Ratio	Lower	Upper
166	100		
165	103.7	79.0	118.6
167	13.5	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

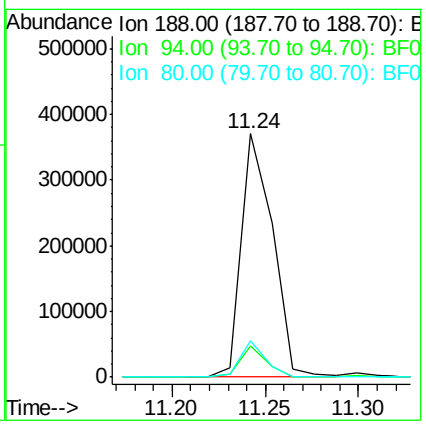
Manual Integrations APPROVED
umangi
5/6/2016 7:11:47 PM

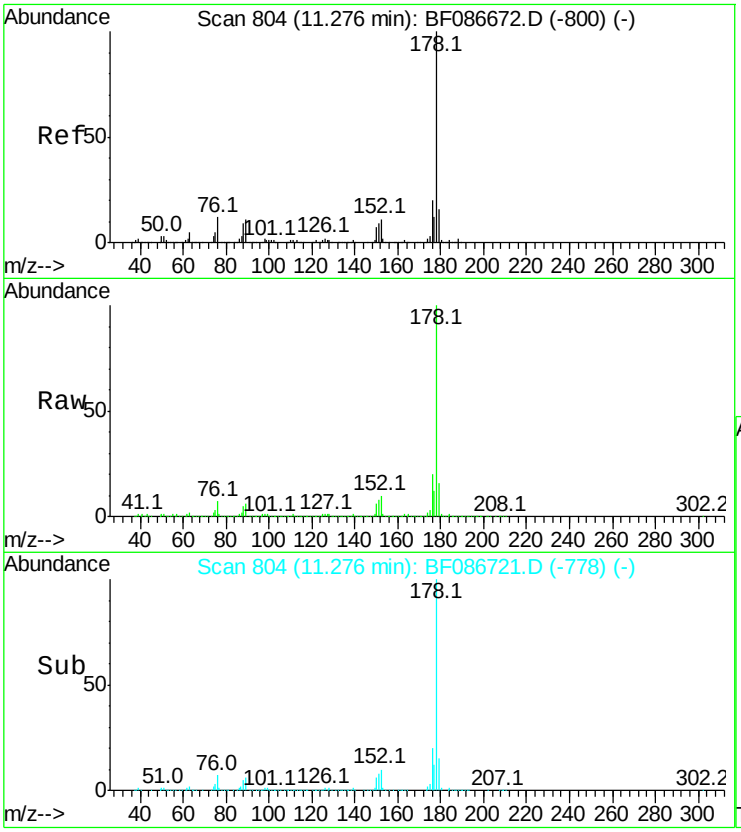


#63
Phenanthrene-d10
Concen: 40.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

Tgt Ion:188 Resp: 437653

Ion	Ratio	Lower	Upper
188	100		
94	12.8	6.8	10.2#
80	14.8	7.1	10.7#

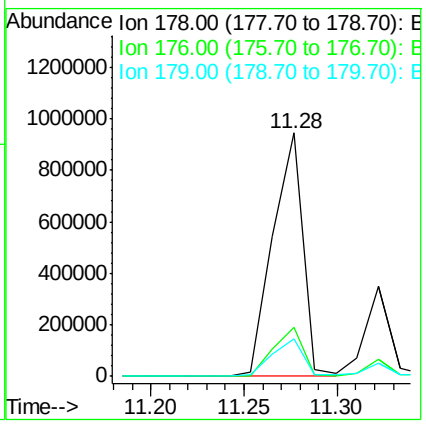




#70
Phenanthrene
Concen: 44.99 ng
RT: 11.28 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

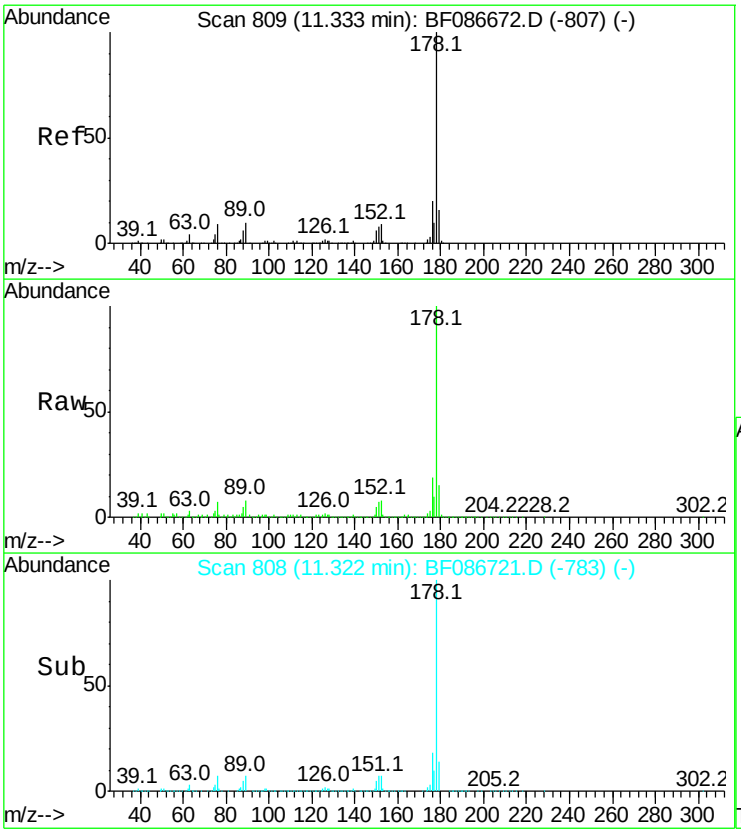
Tgt Ion:178 Resp: 1057731

Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.0	24.0
179	15.6	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

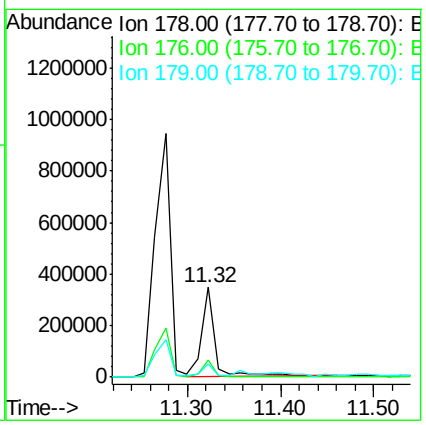
Manual Integrations APPROVED
umangi
5/6/2016 7:11:47 PM

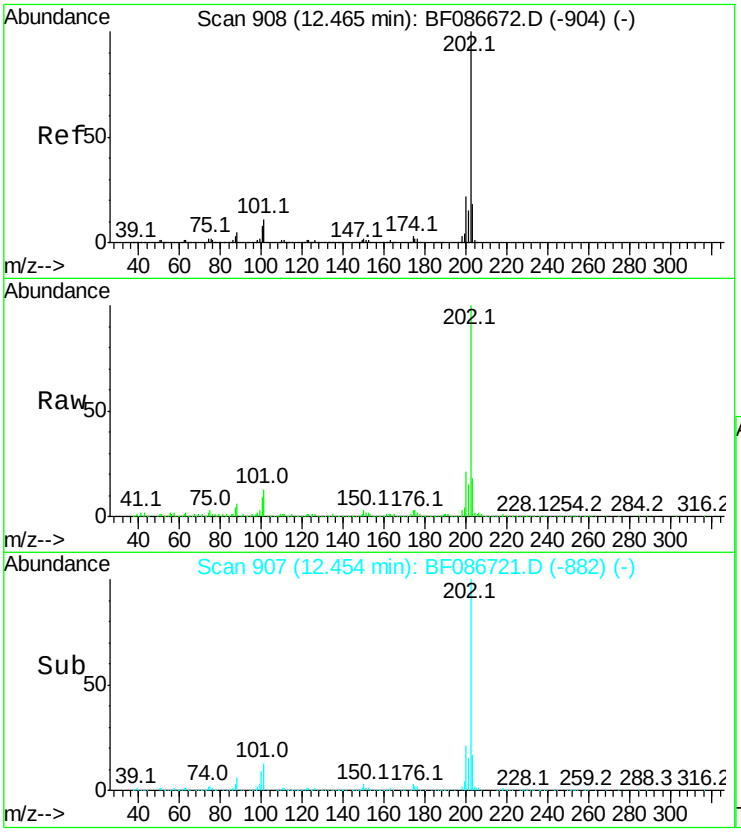


#71
Anthracene
Concen: 14.12 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

Tgt Ion:178 Resp: 347640

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.6	23.4
179	15.3	12.7	19.1

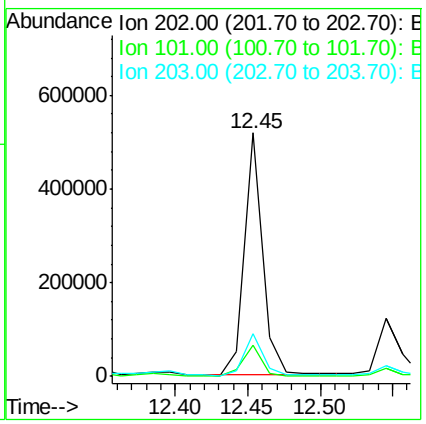




#74
Fluoranthene
Concen: 19.09 ng
RT: 12.45 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

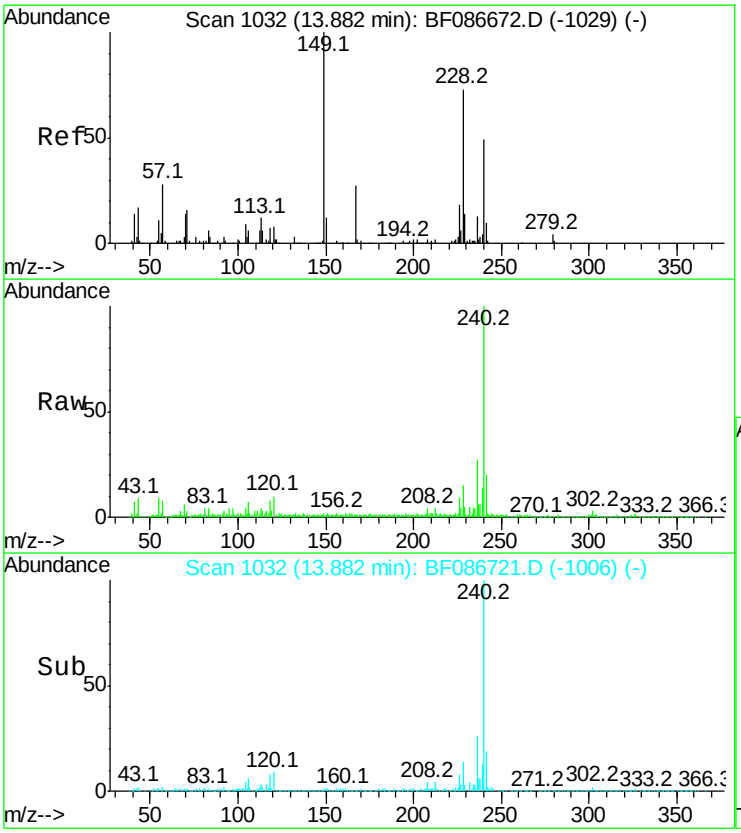
Tgt Ion:202 Resp: 449800

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	35.4
203	17.8	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

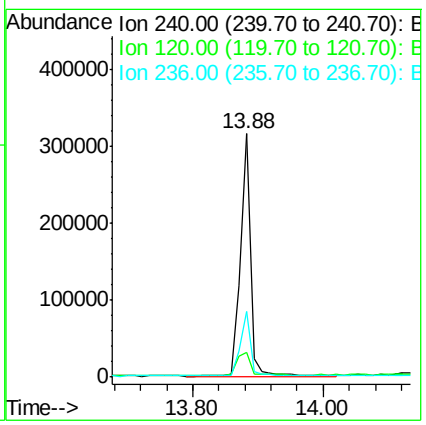
Manual Integrations APPROVED
umangi
5/6/2016 7:11:47 PM

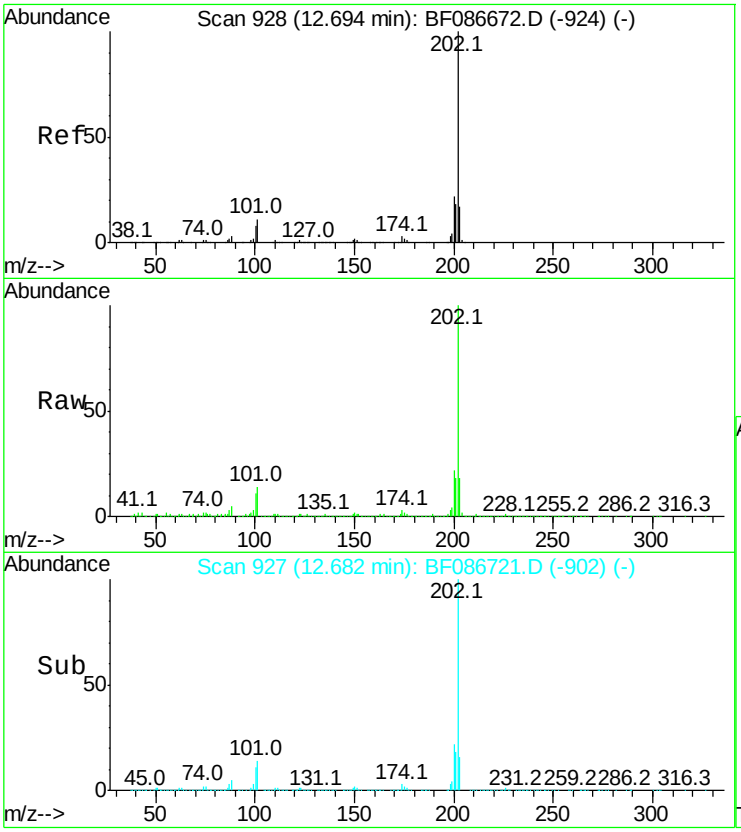


#75
Chrysene-d12
Concen: 40.00 ng
RT: 13.88 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

Tgt Ion:240 Resp: 333234

Ion	Ratio	Lower	Upper
240	100		
120	9.9	11.2	16.8#
236	26.8	21.2	31.8

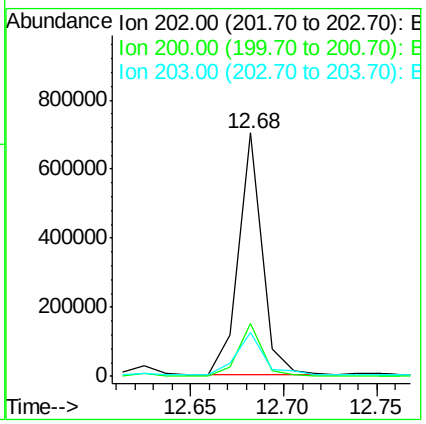




#77
Pyrene
Concen: 23.38 ng
RT: 12.68 min Scan# 927
Delta R.T. -0.01 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

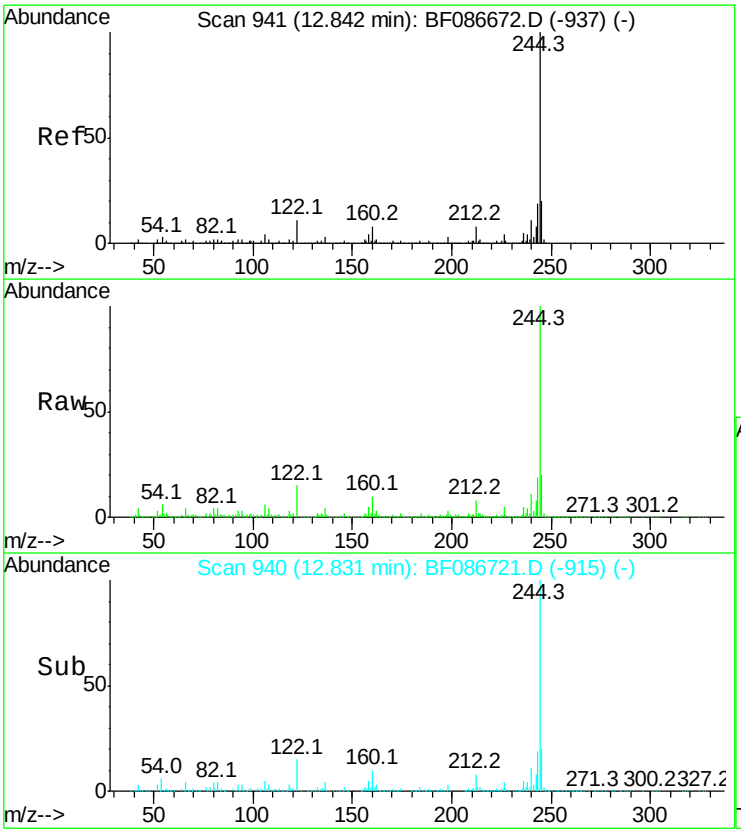
Tgt Ion:202 Resp: 621154

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.7	26.5
203	17.8	14.2	21.4



Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

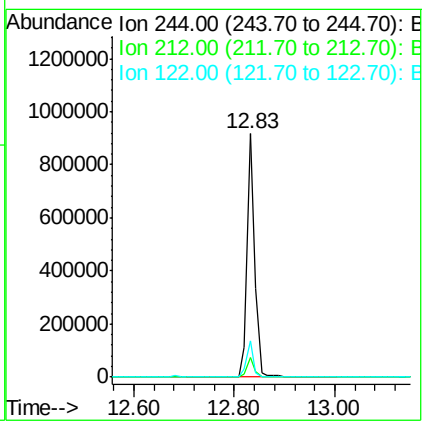
Manual Integrations APPROVED
umangi
5/6/2016 7:11:47 PM

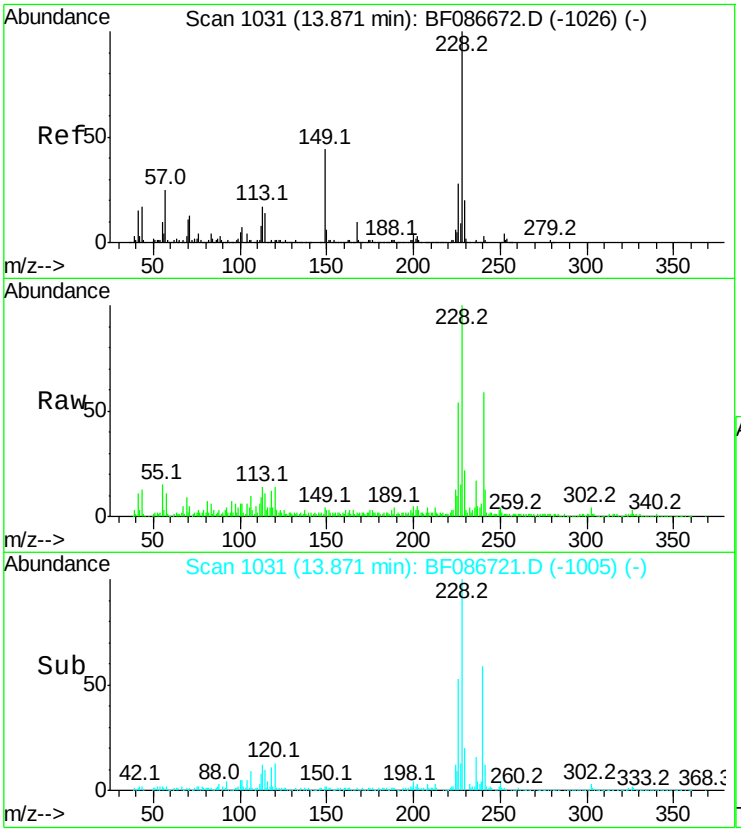


#78
Terphenyl-d14
Concen: 59.41 ng
RT: 12.83 min Scan# 940
Delta R.T. -0.01 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

Tgt Ion:244 Resp: 979516

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.2	9.2
122	15.1	12.0	18.0

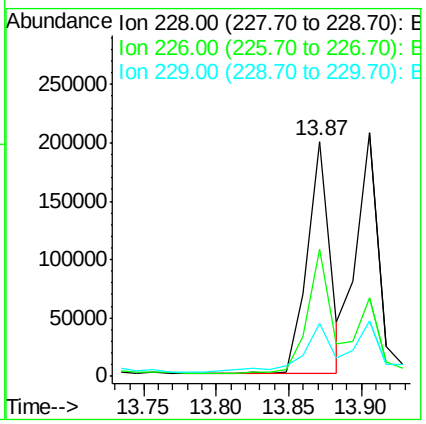




#80
Benzo(a)anthracene
Concen: 11.59 ng
RT: 13.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

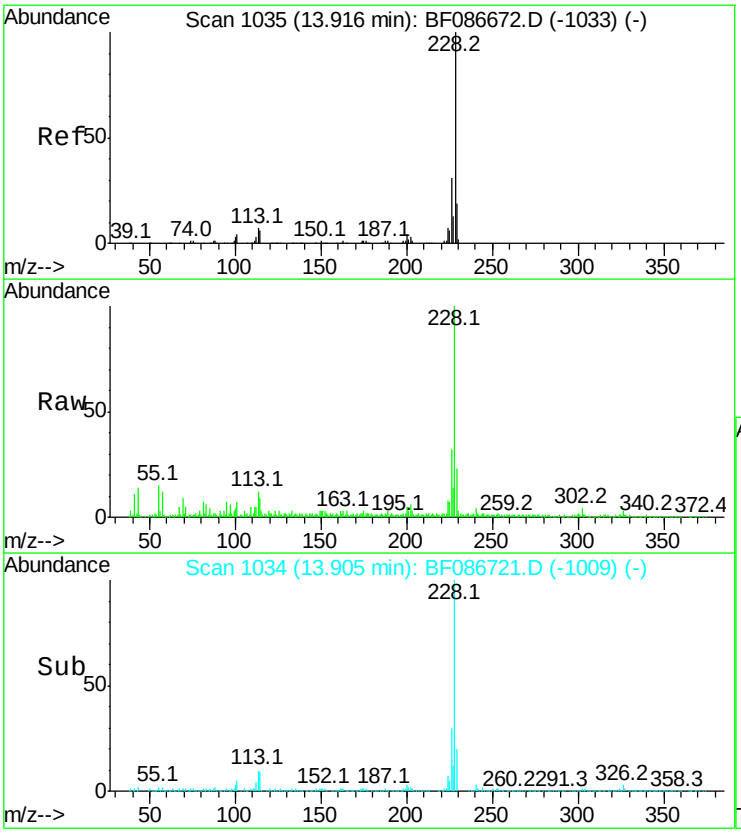
Tgt Ion:228 Resp: 218342

Ion	Ratio	Lower	Upper
228	100		
226	54.0	22.5	33.7#
229	22.4	16.6	25.0



Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

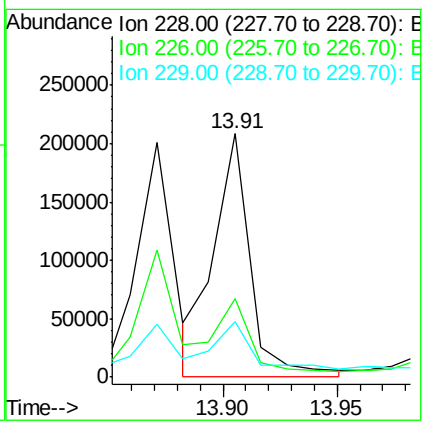
Manual Integrations APPROVED
umangi
5/6/2016 7:11:47 PM

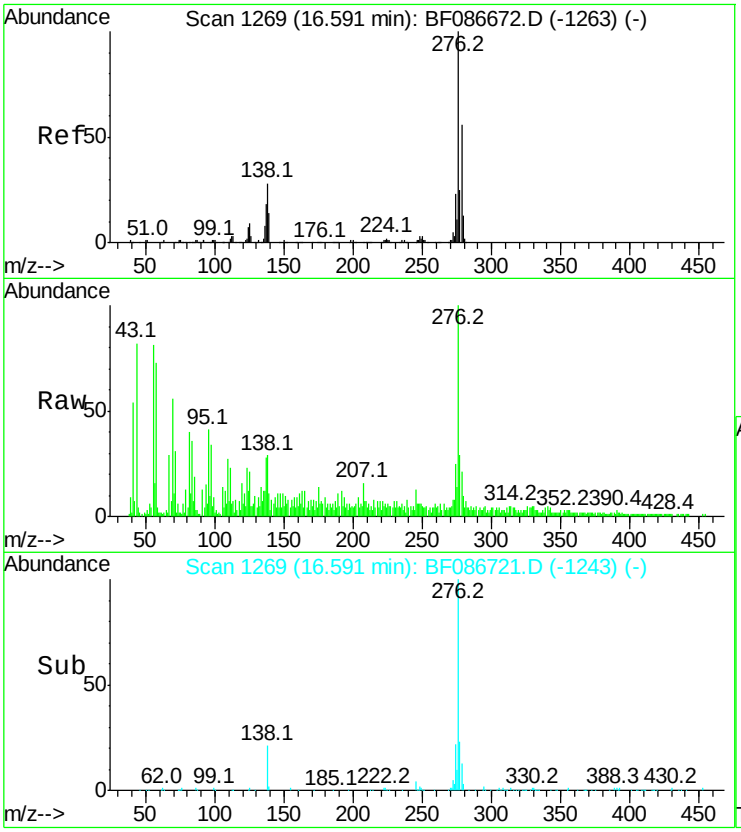


#82
Chrysene
Concen: 11.53 ng m
RT: 13.91 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

Tgt Ion:228 Resp: 231738

Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.4	36.6
229	23.0	15.8	23.8





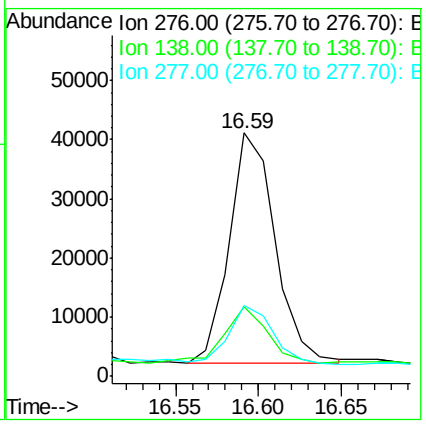
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.32 ng m
RT: 16.59 min Scan# 1269
Delta R.T. 0.00 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

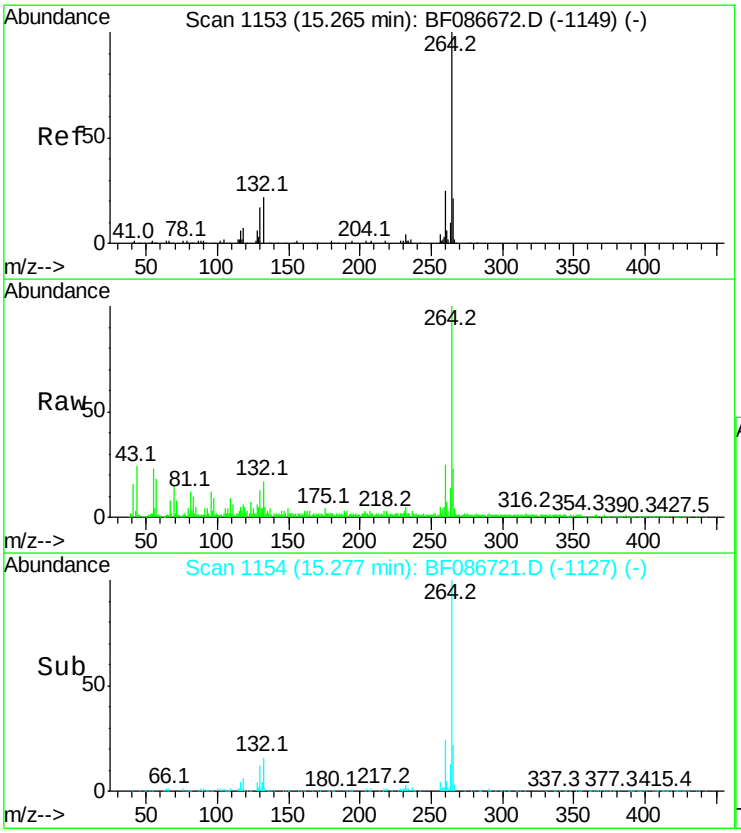
Tgt Ion:276 Resp: 74524

Ion	Ratio	Lower	Upper
276	100		
138	2.1	25.6	38.4#
277	1.5	20.5	30.7#

Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

Manual Integrations APPROVED
umangi
5/6/2016 7:11:47 PM

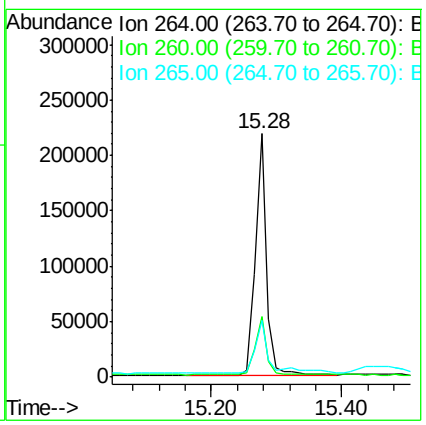


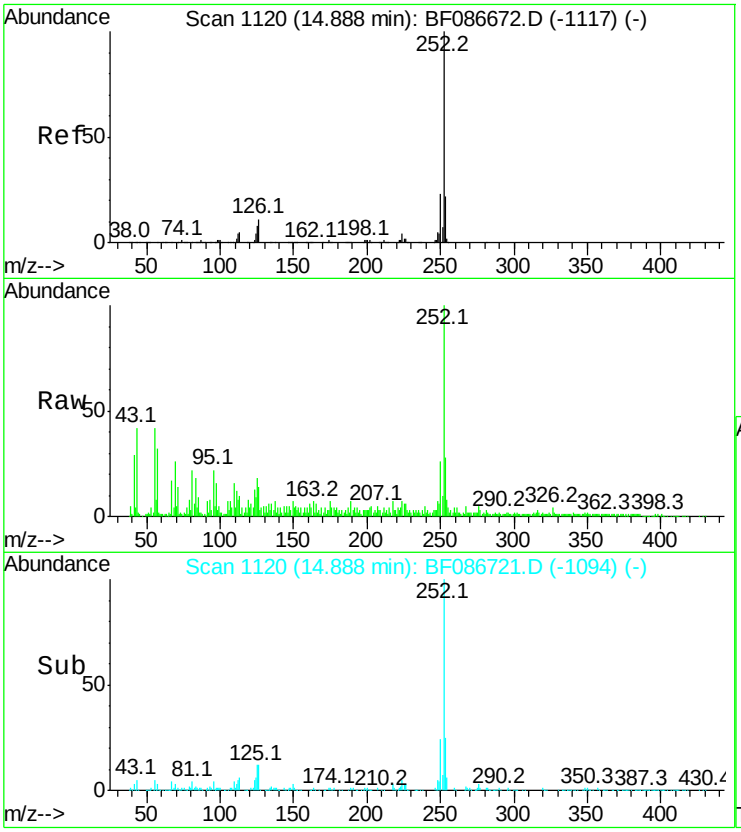


#86
Perylene-d12
Concen: 40.00 ng
RT: 15.28 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

Tgt Ion:264 Resp: 263907

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.5	29.3
265	23.2	17.3	25.9





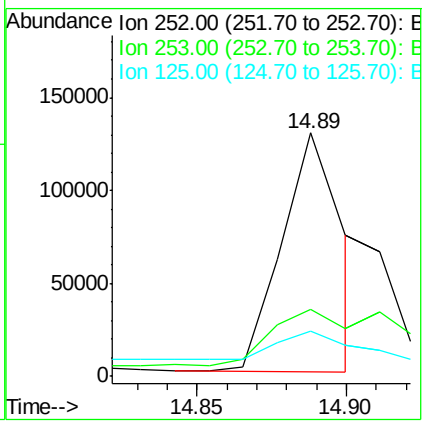
#87
Benzo(b)fluoranthene
Concen: 11.51 ng m
RT: 14.89 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

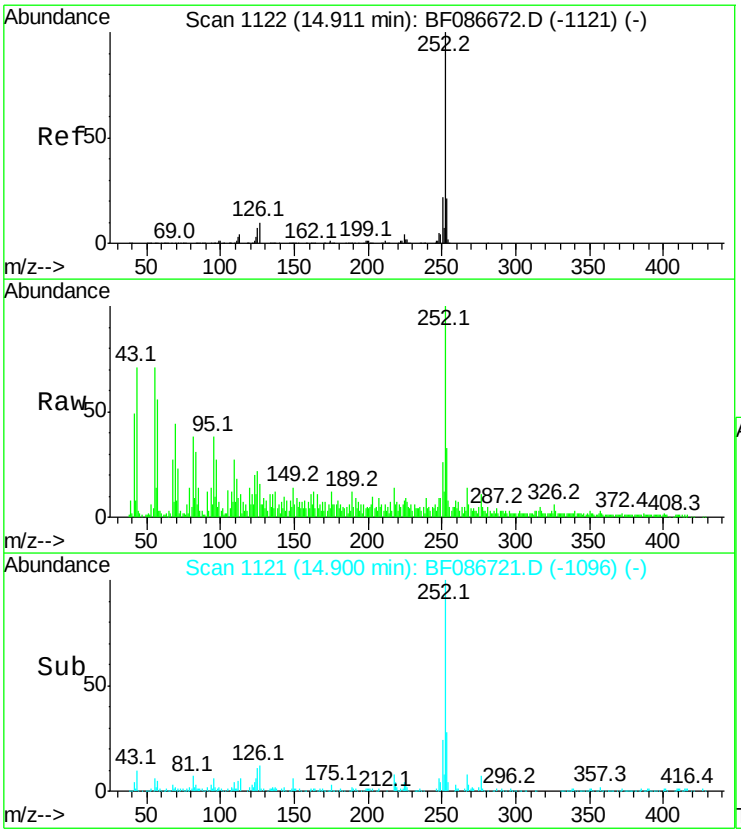
Tgt Ion:252 Resp: 182500

Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.8	26.6#
125	18.3	11.4	17.0#

Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

Manual Integrations APPROVED
umangi
5/6/2016 7:11:47 PM

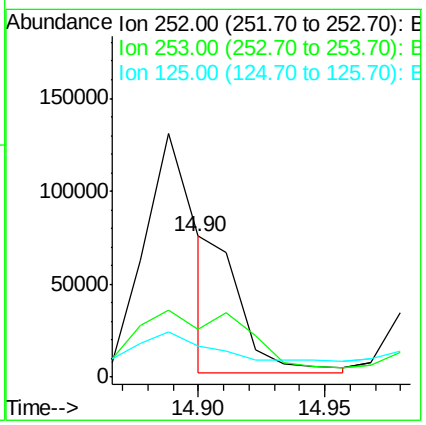


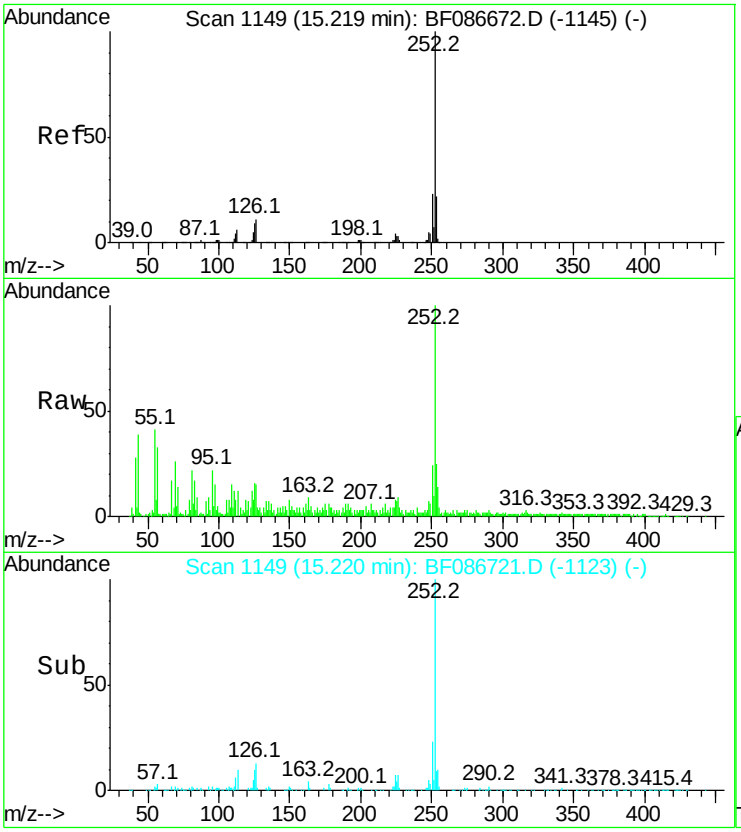


#88
Benzo(k)fluoranthene
Concen: 4.09 ng m
RT: 14.90 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

Tgt Ion:252 Resp: 61104

Ion	Ratio	Lower	Upper
252	100		
253	33.5	17.8	26.6#
125	22.0	9.1	13.7#





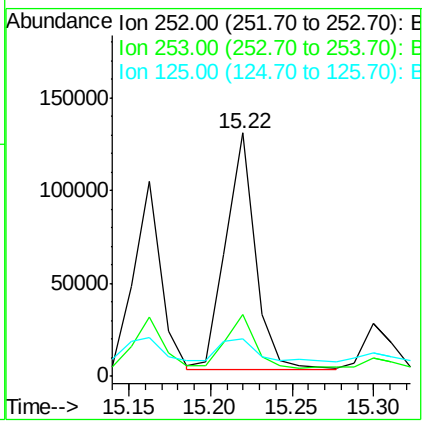
#89
Benzo(a)pyrene
Concen: 10.97 ng
RT: 15.22 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

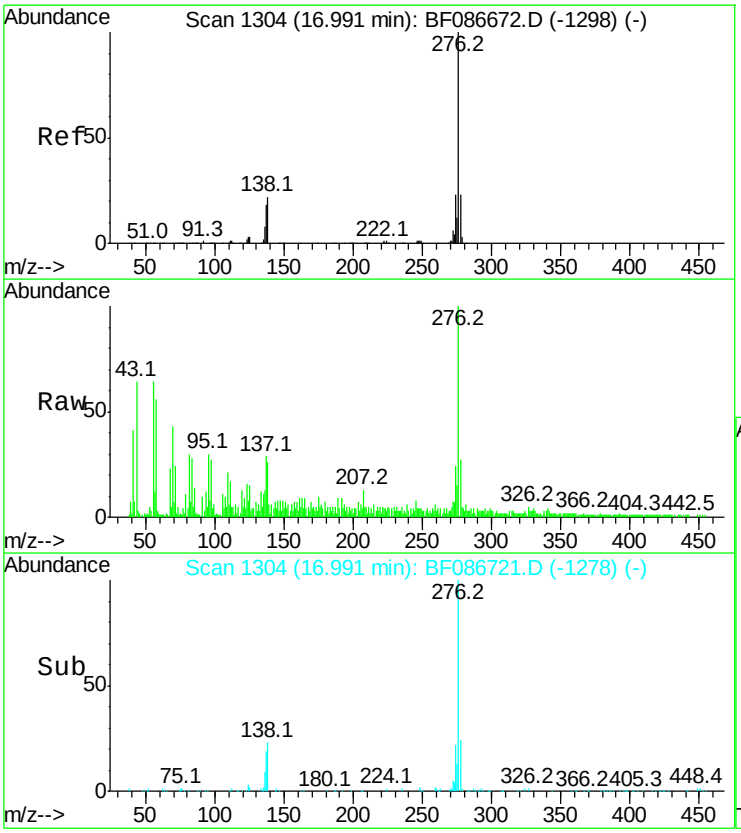
Tgt Ion:252 Resp: 160204

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.2	25.8
125	15.5	9.0	13.6#

Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

Manual Integrations APPROVED
umangi
5/6/2016 7:11:47 PM





#91
Benzo(g,h,i)perylene
Concen: 6.59 ng
RT: 16.99 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BF086721.D
Acq: 5 May 2016 22:43

Tgt Ion:276 Resp: 97071

Ion	Ratio	Lower	Upper
276	100		
277	27.3	19.6	29.4
138	26.2	23.6	35.4