Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081915\
Data File : BF081118.D
Acq On : 20 Aug 2015 10:20
Operator : UM/IZ
Sample : G3319-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCB-015CS-2(0-12FTBGS)

Manual Integrations APPROVED
MMDadoda
8/20/2015 3:42:19 PM

Quant Time: Aug 20 11:44:54 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 20 11:22:13 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	67044	20.00	ng		0.00
21) Naphthalene-d8	7.88	136	257191	20.00	ng		0.00
38) Acenaphthene-d10	9.61	164	104819	20.00	ng		-0.01
63) Phenanthrene-d10	11.09	188	186025	20.00	ng		0.00
75) Chrysene-d12	13.71	240	123102	20.00	ng		0.00
86) Perylene-d12	15.05	264	99480	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.16	112	468285	105.06	ng		0.01
7) Phenol-d6	6.23	99	606939	104.36	ng		0.00
23) Nitrobenzene-d5	7.16	82	367965	65.36	ng		-0.01
41) 2,4,6-Tribromophenol	10.40	330	83083	91.44	ng		0.00
44) 2-Fluorobiphenyl	8.95	172	562080	70.26	ng		-0.01
78) Terphenyl-d14	12.68	244	403495	70.27	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	7.89	128	55579	3.88	ng		99
49) Dimethylphthalate	9.35	163	89574	10.38	ng		99
51) Acenaphthene	9.65	154	47777	6.01	ng		99
54) Dibenzofuran	9.82	168	25924	2.44	ng	#	93
57) Fluorene	10.16	166	36177	4.42	ng		98
70) Phenanthrene	11.11	178	245702	22.29	ng		100
71) Anthracene	11.17	178	65309	6.09	ng		99
74) Fluoranthene	12.31	202	385020	32.36	ng		97
77) Pyrene	12.52	202	370253	37.00	ng		97
80) Benzo(a)anthracene	13.69	228	150034	18.17	ng		96
82) Chrysene	13.73	228	114720m	15.42	ng		
85) Indeno(1,2,3-cd)pyrene	16.25	276	43388	8.31	ng		94
87) Benzo(b)fluoranthene	14.70	252	111960m	15.91	ng		
88) Benzo(k)fluoranthene	14.70	252	55494m	8.46	ng		
89) Benzo(a)pyrene	15.00	252	97443	15.89	ng	#	94
90) Dibenzo(a,h)anthracene	16.27	278	11418	2.39	ng	#	82
91) Benzo(g,h,i)perylene	16.62	276	44013	9.08	ng	#	88

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

Quantitation Report (LSC Reviewed)

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BNA_F
ClientSampleId :
NCB-015CS-2(0-12FTBGS)

Manual Integrations APPROVED
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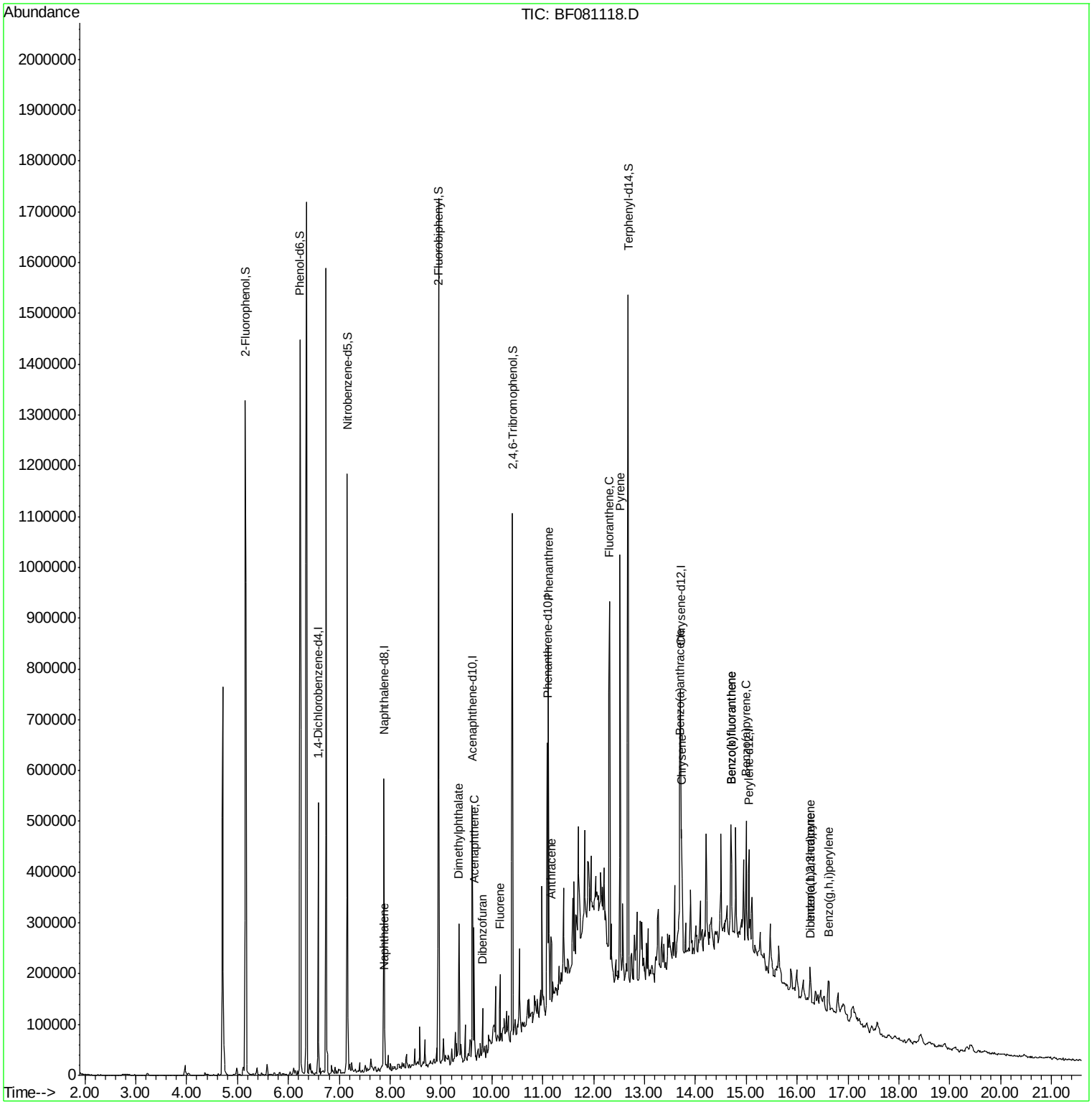
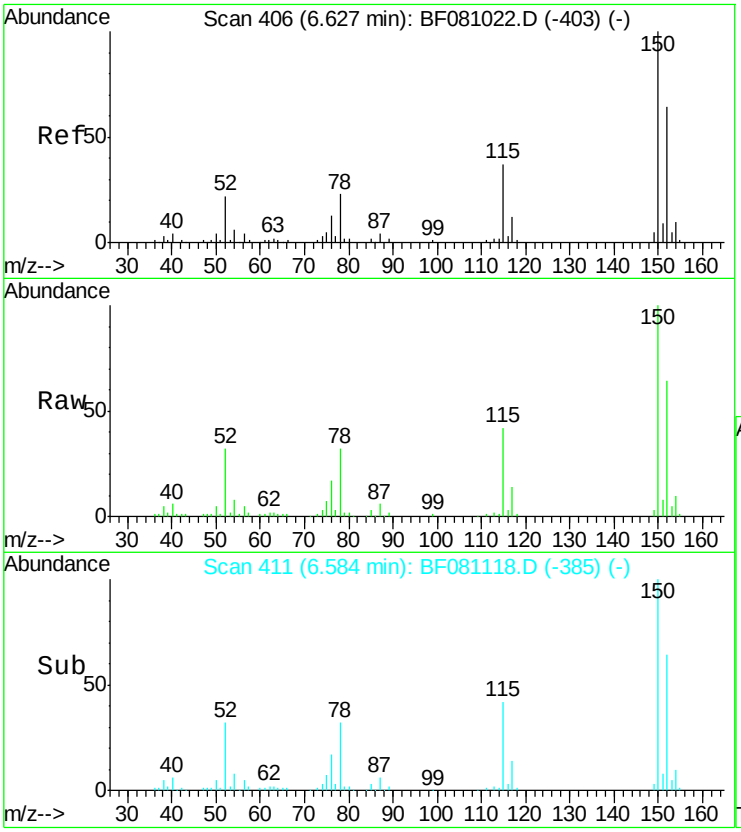
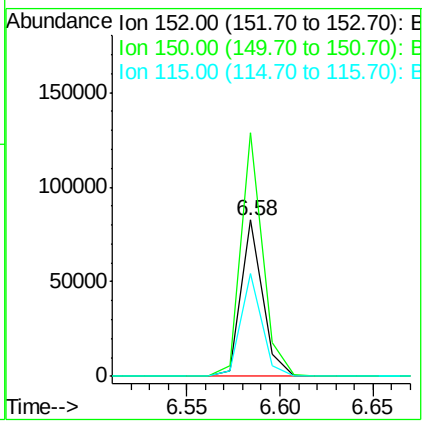




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.58 min Scan# 411
Delta R.T. -0.00 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:152 Resp: 67044

Ion	Ratio	Lower	Upper
152	100		
150	155.8	123.8	185.6
115	65.7	52.1	78.1



Instrument :
BNA_F
ClientSampleId :
NCB-015CS-2(0-12FTBGS)

Manual Integrations APPROVED
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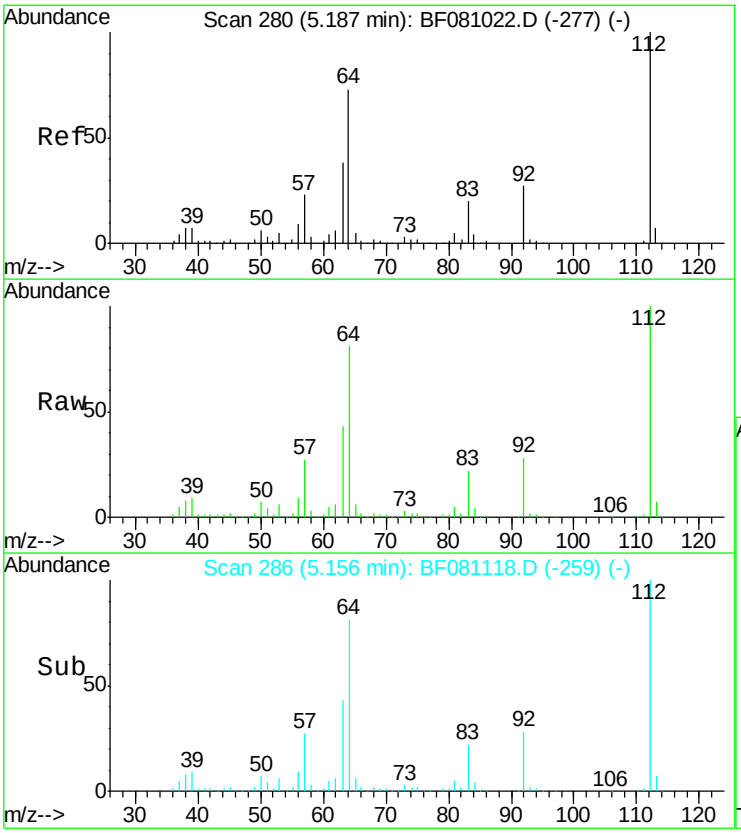
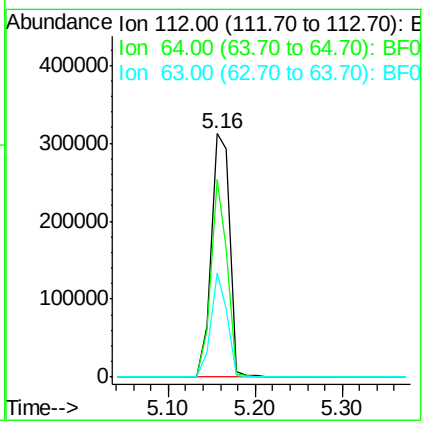
8/20/2015 3:42:19 PM

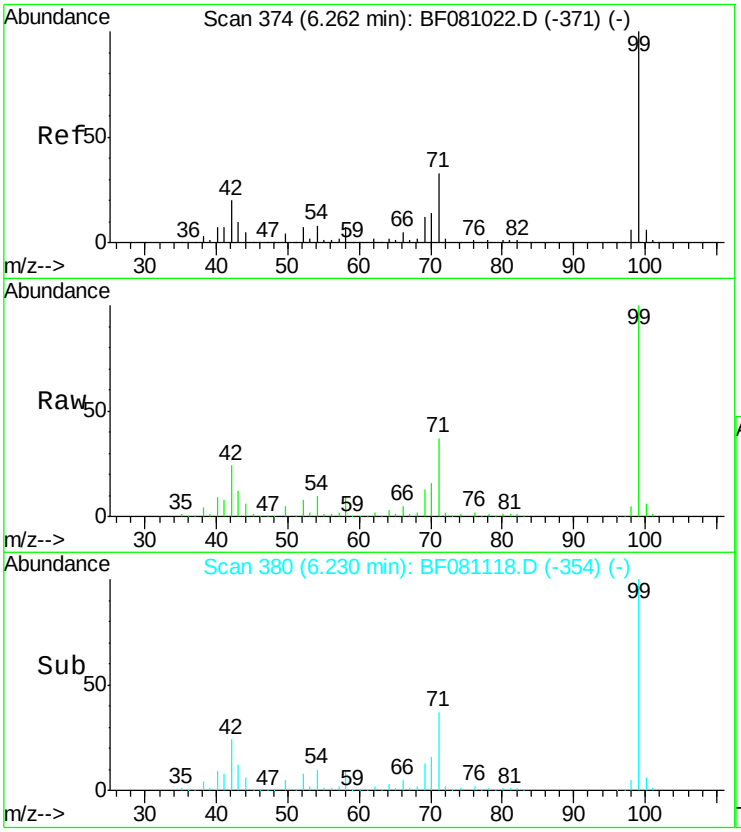


#5
2-Fluorophenol
Concen: 105.06 ng
RT: 5.16 min Scan# 286
Delta R.T. 0.01 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:112 Resp: 468285

Ion	Ratio	Lower	Upper
112	100		
64	81.0	66.9	100.3
63	42.5	38.1	57.1

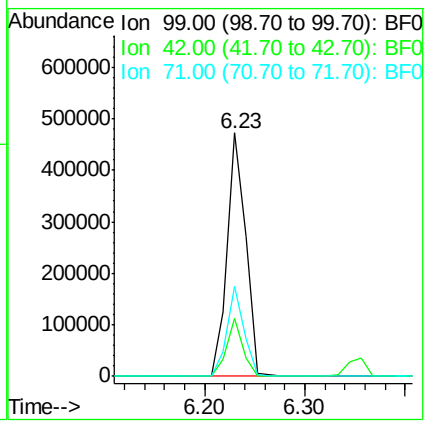




#7
Phenol-d6
Concen: 104.36 ng
RT: 6.23 min Scan# 380
Delta R.T. -0.00 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion: 99 Resp: 606939

Ion	Ratio	Lower	Upper
99	100		
42	23.8	19.6	29.4
71	37.2	31.2	46.8



Instrument :
BNA_F
ClientSampleId :
NCB-015CS-2(0-12FTBGS)

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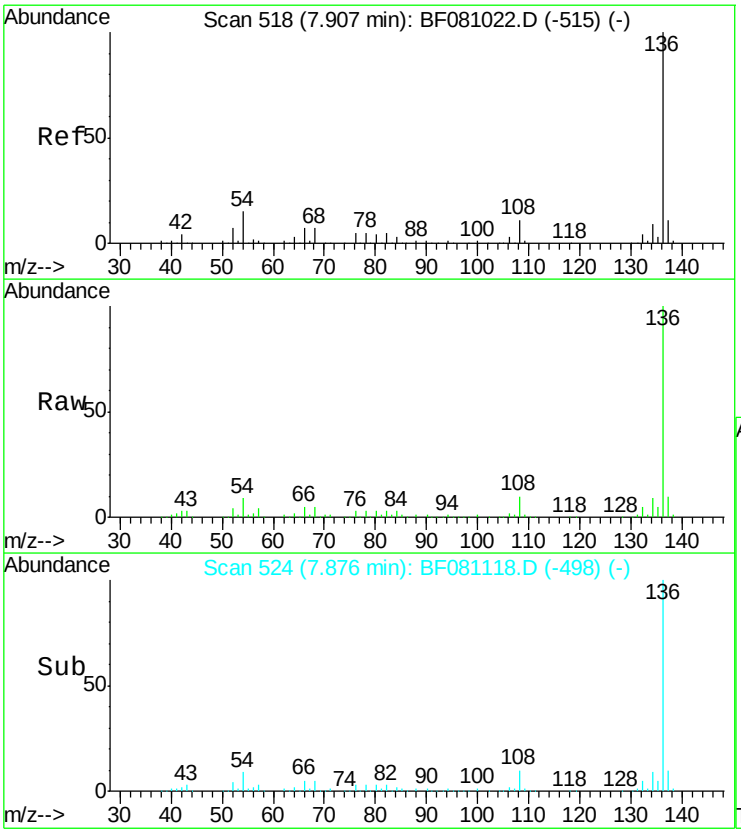
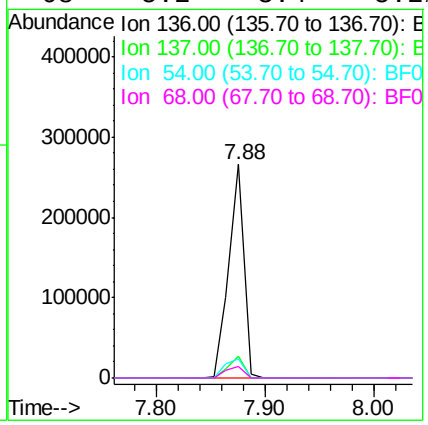
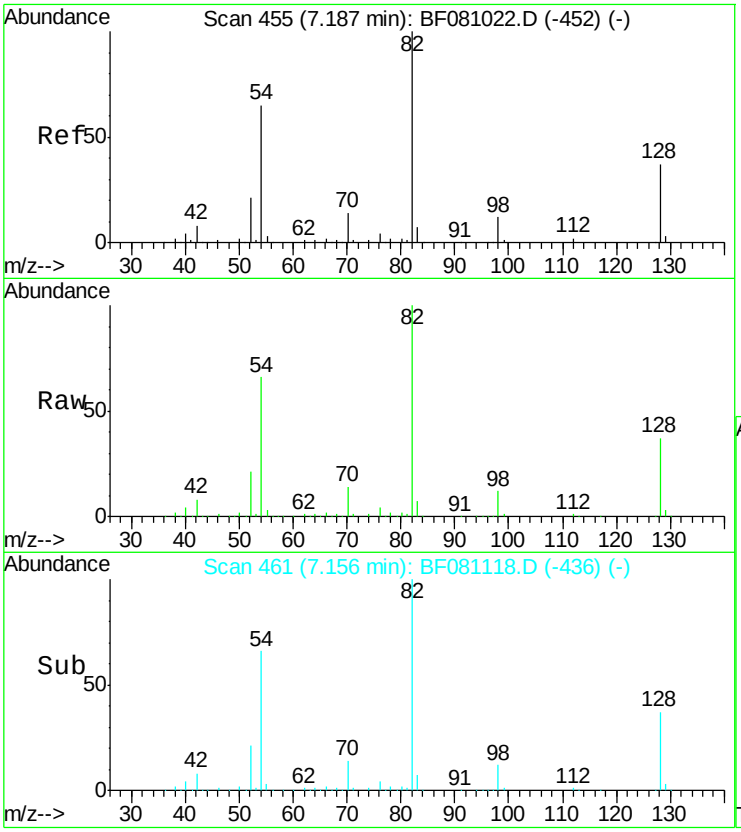


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 524
Delta R.T. -0.00 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:136 Resp: 257191

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.2	12.2
54	8.9	7.7	11.5
68	5.2	3.4	5.2#

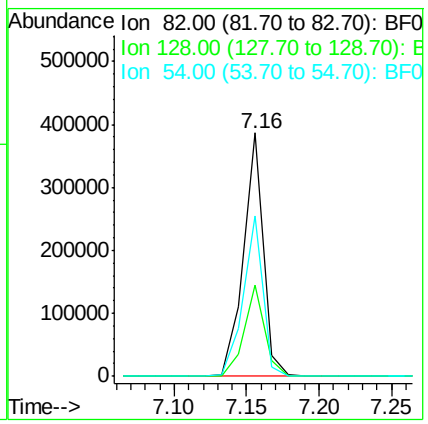




#23
Nitrobenzene-d5
Concen: 65.36 ng
RT: 7.16 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion: 82 Resp: 367965

Ion	Ratio	Lower	Upper
82	100		
128	37.2	28.6	42.8
54	65.9	55.1	82.7



Instrument :
BNA_F
ClientSampleId :
NCB-015CS-2(0-12FTBGS)

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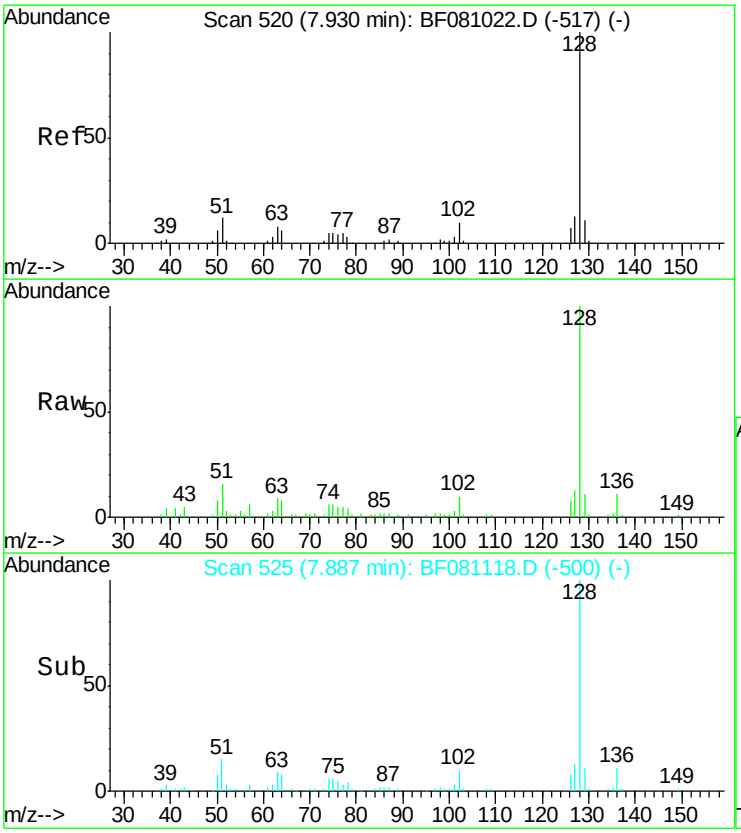
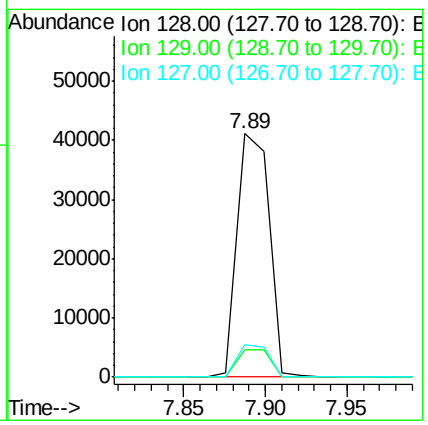
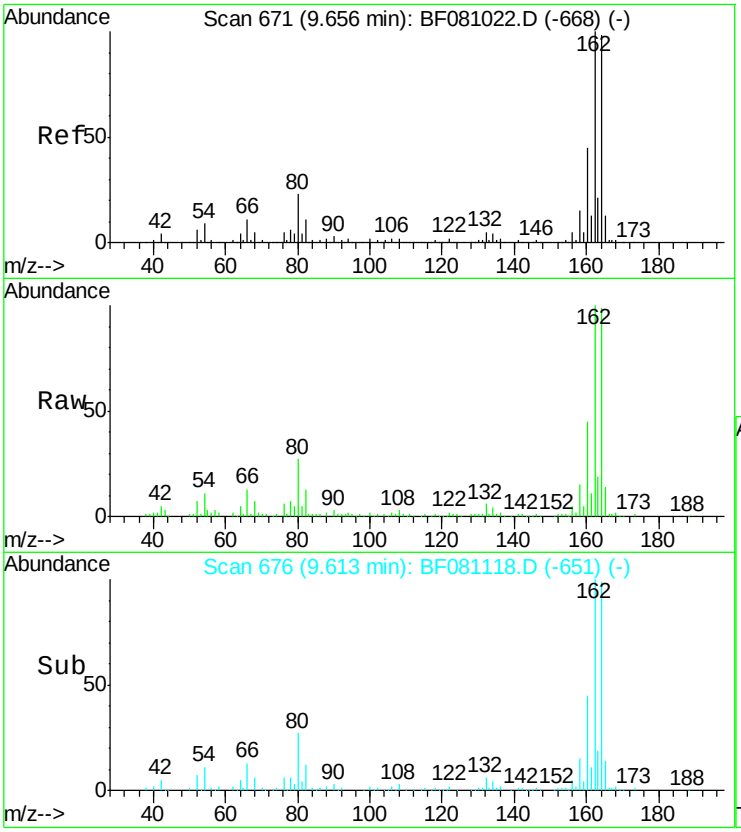


#31
Naphthalene
Concen: 3.88 ng
RT: 7.89 min Scan# 525
Delta R.T. -0.01 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:128 Resp: 55579

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.4	12.6
127	13.1	10.6	16.0

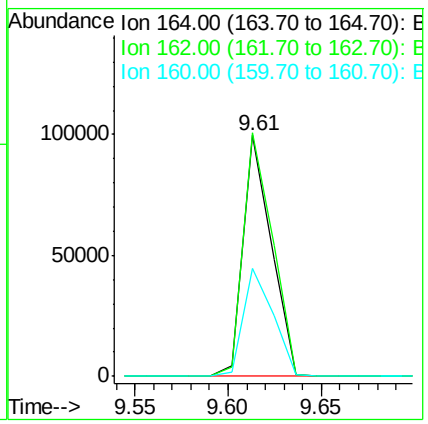




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.61 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:164 Resp: 104819

Ion	Ratio	Lower	Upper
164	100		
162	101.1	83.8	125.8
160	45.1	39.8	59.8



Instrument :
BNA_F
ClientSampleId :
NCB-015CS-2(0-12FTBGS)

Manual Integrations APPROVED
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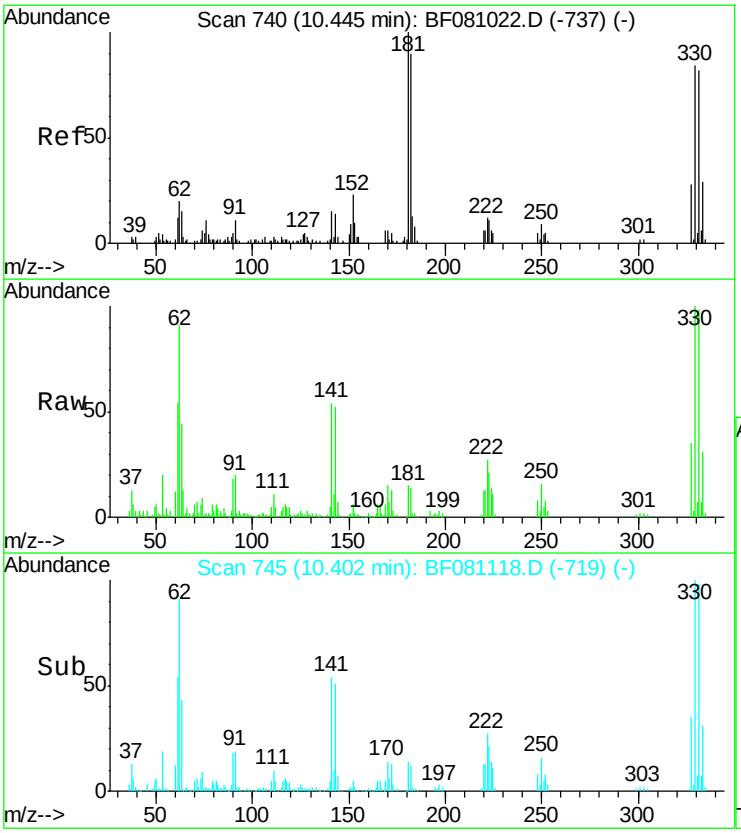
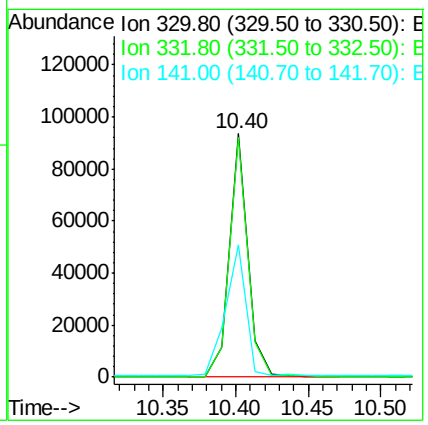
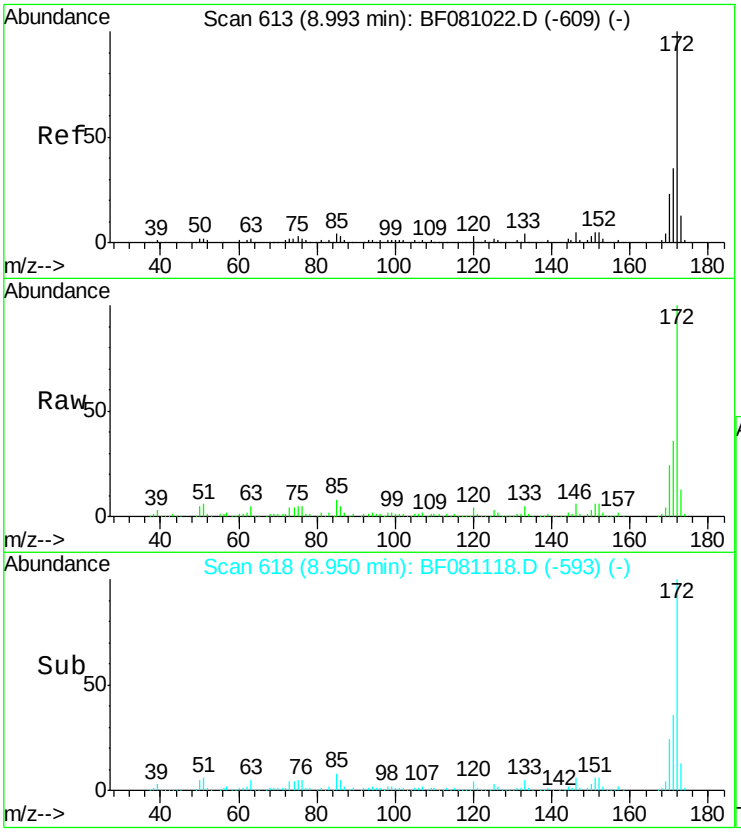


#41
2,4,6-Tribromophenol
Concen: 91.44 ng
RT: 10.40 min Scan# 745
Delta R.T. -0.00 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:330 Resp: 83083

Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.3	115.9
141	59.7	44.9	67.3

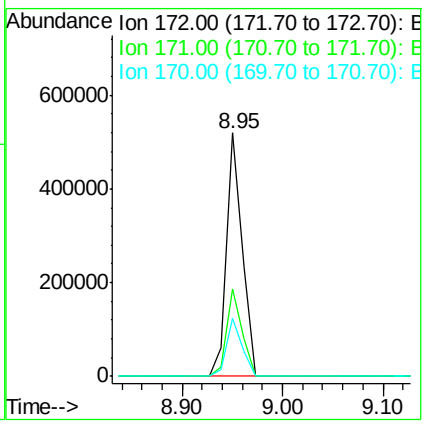




#44
2-Fluorobiphenyl
Concen: 70.26 ng
RT: 8.95 min Scan# 618
Delta R.T. -0.01 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:172 Resp: 562080

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.9	43.3
170	24.0	19.4	29.2



Instrument :
BNA_F
ClientSampleId :
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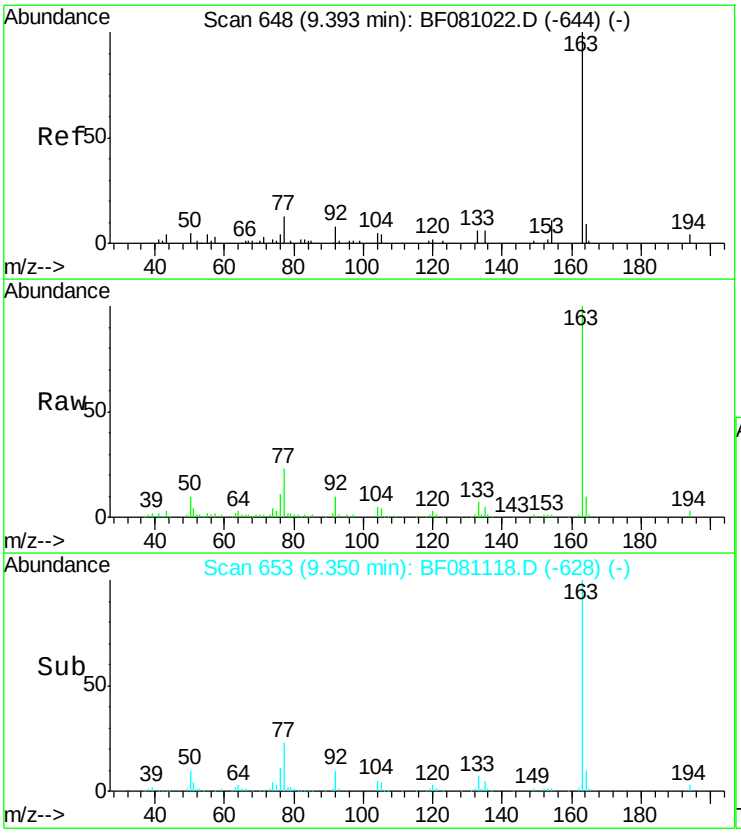
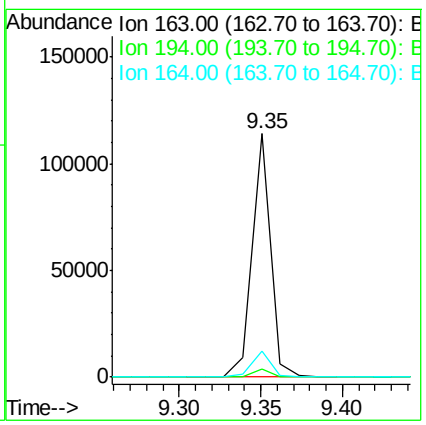
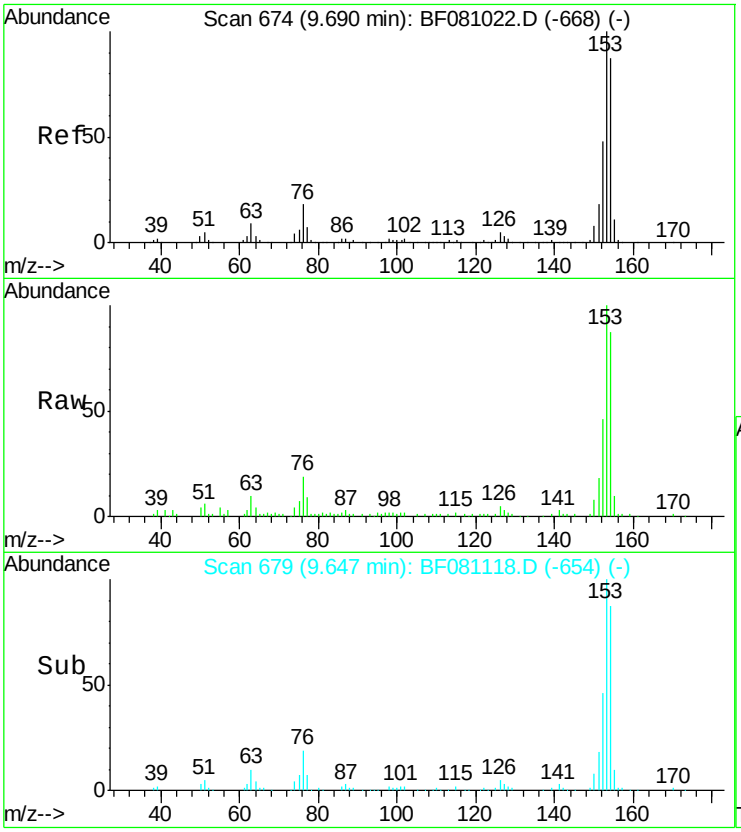


#49
Dimethylphthalate
Concen: 10.38 ng
RT: 9.35 min Scan# 653
Delta R.T. -0.01 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:163 Resp: 89574

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.5	3.7
164	10.4	8.1	12.1

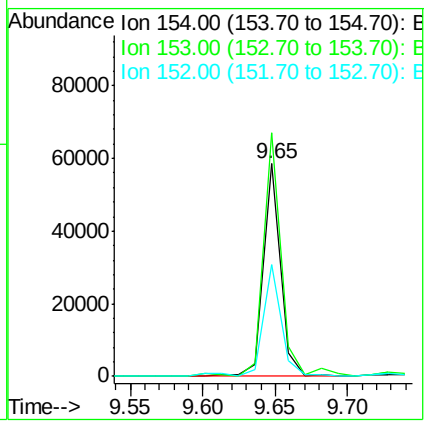




#51
Acenaphthene
Concen: 6.01 ng
RT: 9.65 min Scan# 679
Delta R.T. -0.01 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:154 Resp: 47777

Ion	Ratio	Lower	Upper
154	100		
153	114.6	91.4	137.2
152	52.4	43.7	65.5



Instrument :
BNA_F
ClientSampleId :
NCB-015CS-2(0-12FTBGS)

Manual Integrations APPROVED
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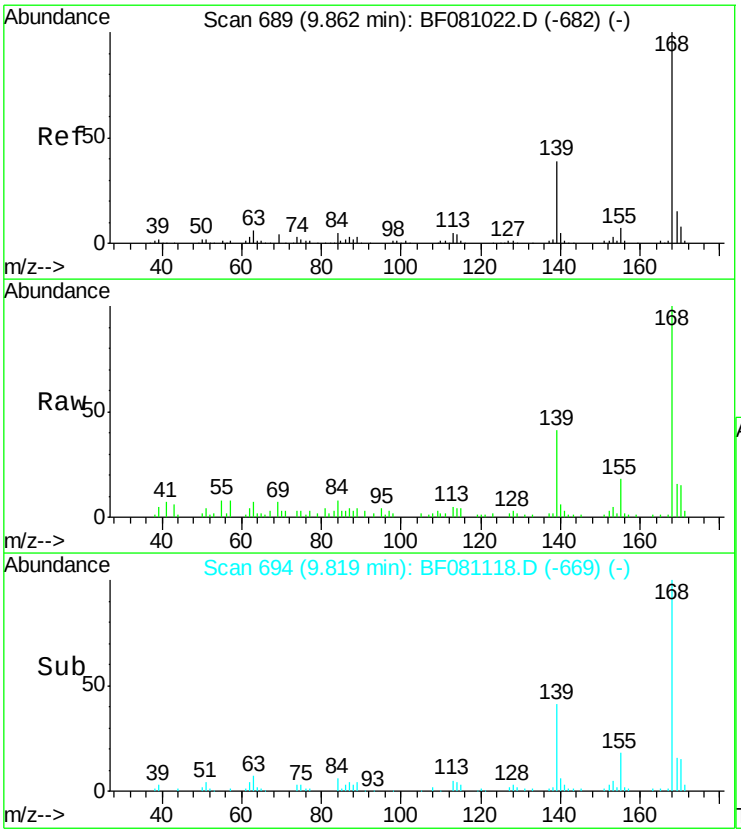
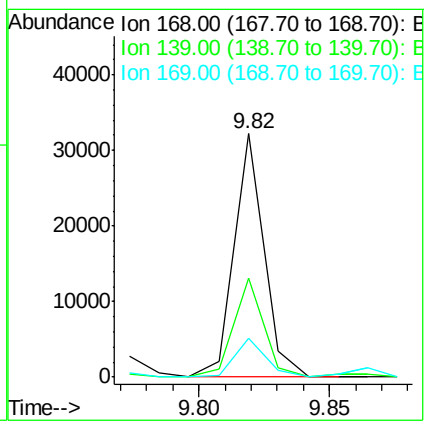
8/20/2015 3:42:19 PM

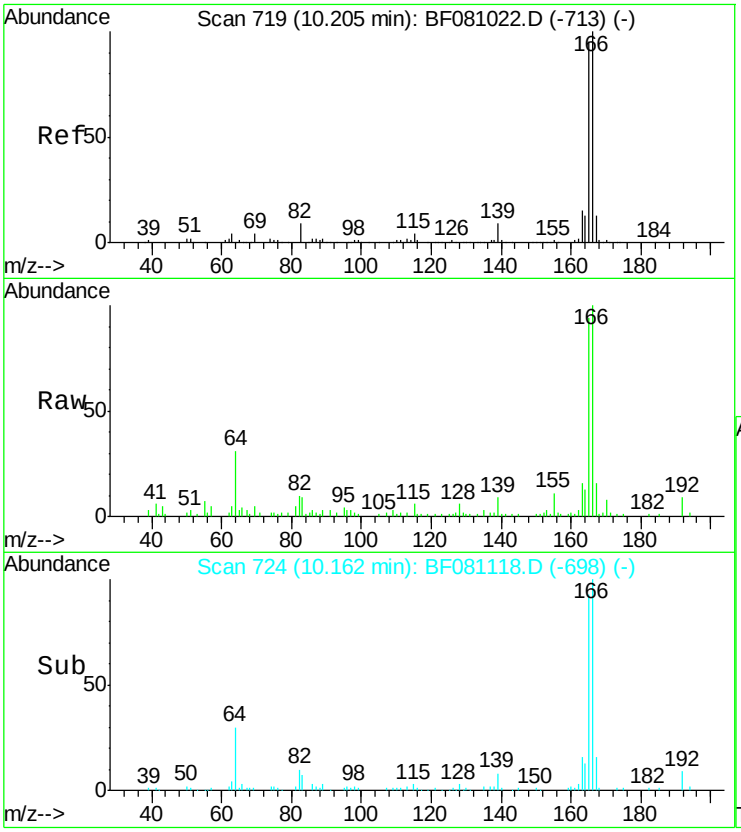


#54
Dibenzofuran
Concen: 2.44 ng
RT: 9.82 min Scan# 694
Delta R.T. -0.01 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:168 Resp: 25924

Ion	Ratio	Lower	Upper
168	100		
139	40.6	29.3	43.9
169	16.0	10.3	15.5#

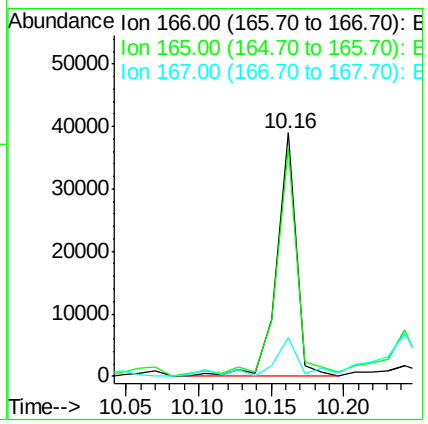




#57
Fluorene
Concen: 4.42 ng
RT: 10.16 min Scan# 724
Delta R.T. -0.00 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

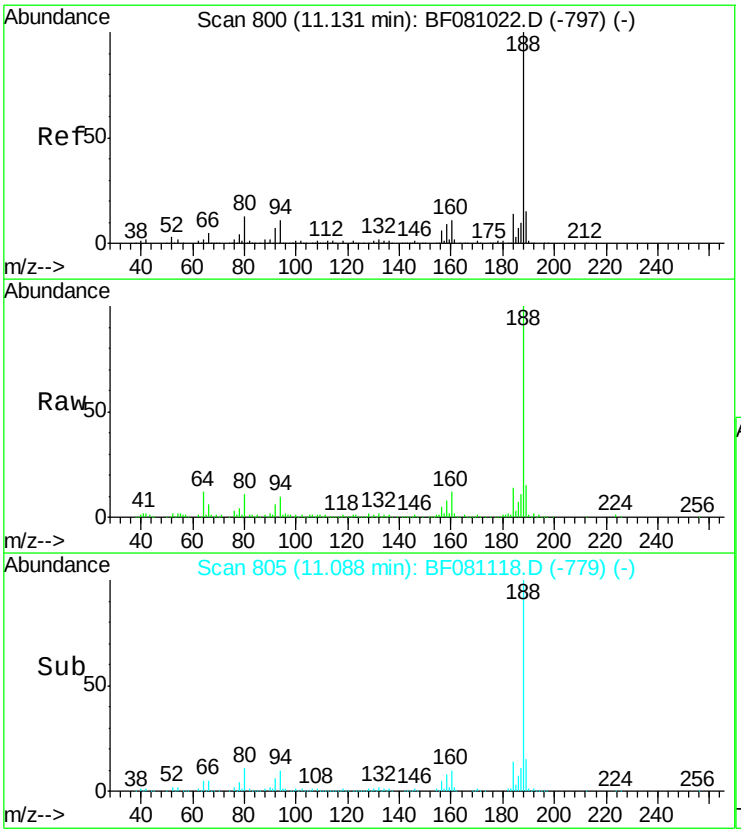
Tgt Ion:166 Resp: 36177

Ion	Ratio	Lower	Upper
166	100		
165	93.8	75.8	113.8
167	16.2	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
NCB-015CS-2(0-12FTBGS)

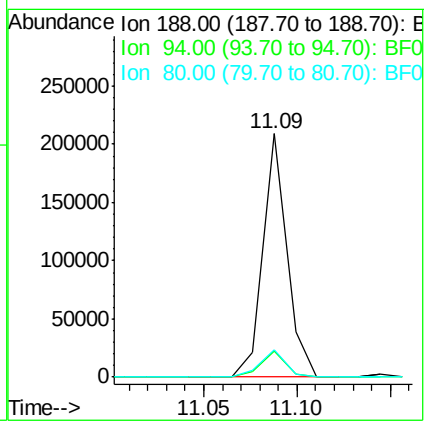
Manual Integrations APPROVED
MMDadoda
8/20/2015 3:42:19 PM

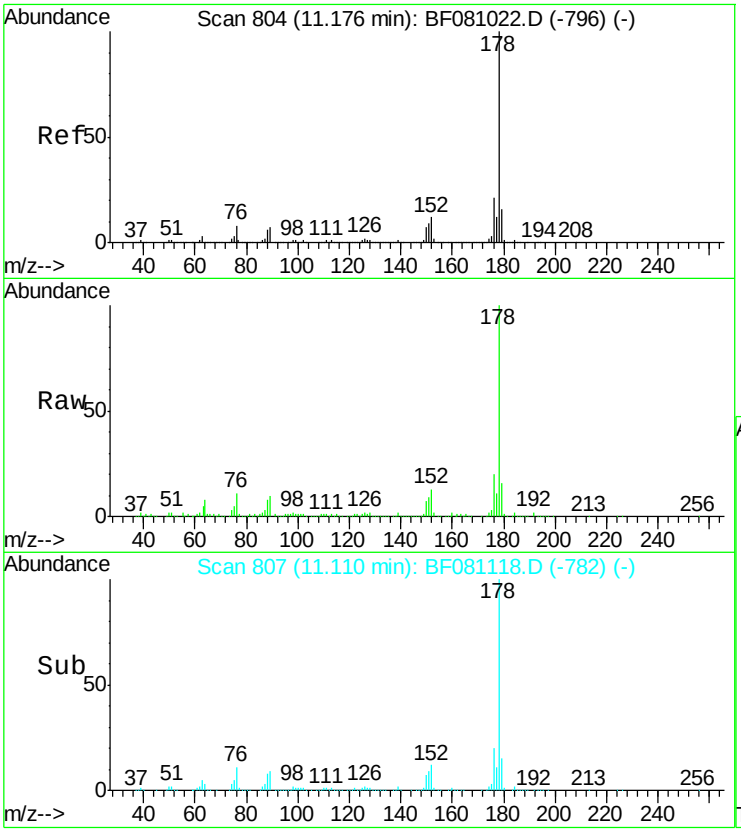


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.09 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:188 Resp: 186025

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.2	12.2
80	11.4	9.5	14.3

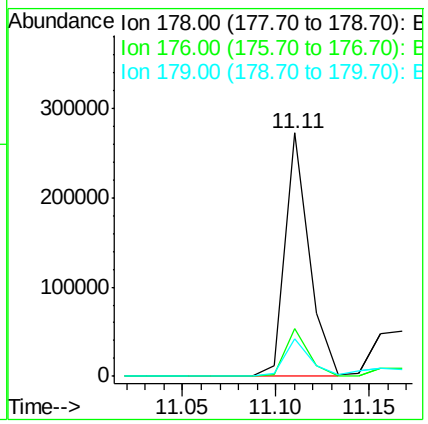




#70
Phenanthrene
Concen: 22.29 ng
RT: 11.11 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

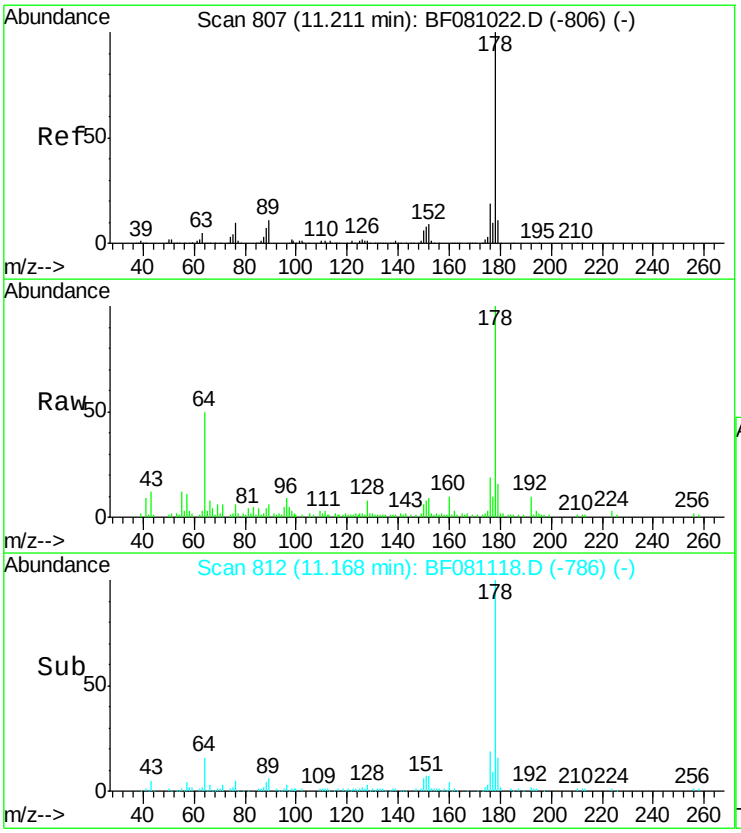
Tgt Ion:178 Resp: 245702

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.7	23.5
179	15.6	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
NCB-015CS-2(0-12FTBGS)

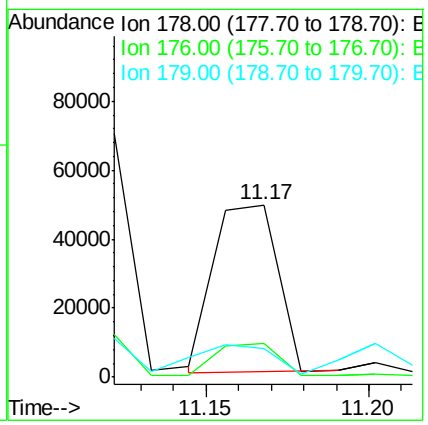
Manual Integrations APPROVED
MMDadoda
8/20/2015 3:42:19 PM

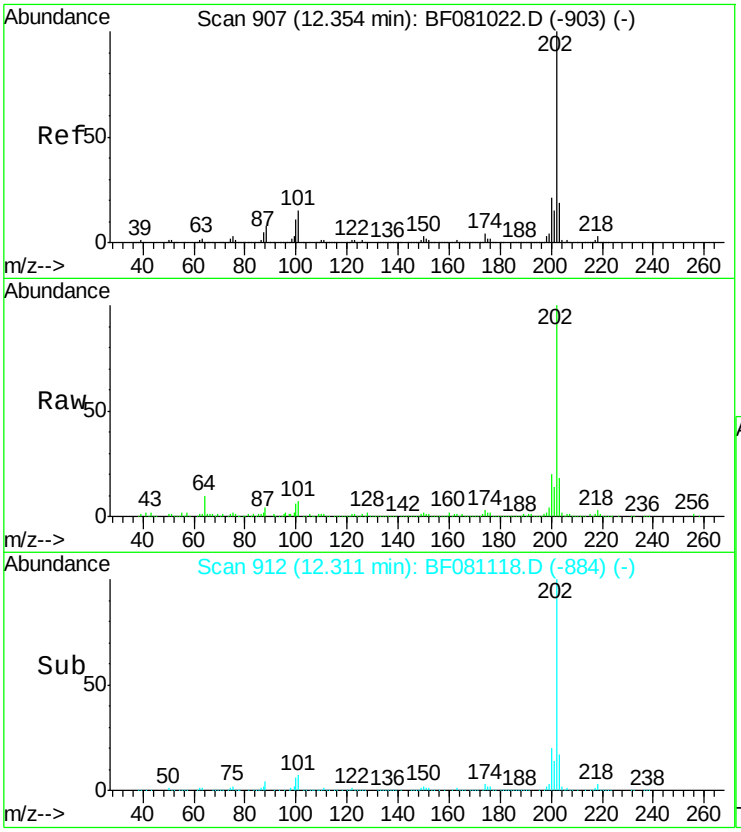


#71
Anthracene
Concen: 6.09 ng
RT: 11.17 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:178 Resp: 65309

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.7	23.5
179	16.3	12.7	19.1

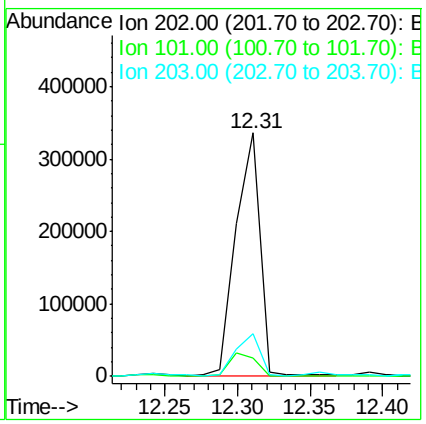




#74
Fluoranthene
Concen: 32.36 ng
RT: 12.31 min Scan# 912
Delta R.T. 0.02 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:202 Resp: 385020

Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	24.8
203	17.6	0.0	36.9



Instrument :
BNA_F
ClientSampleId :
NCB-015CS-2(0-12FTBGS)

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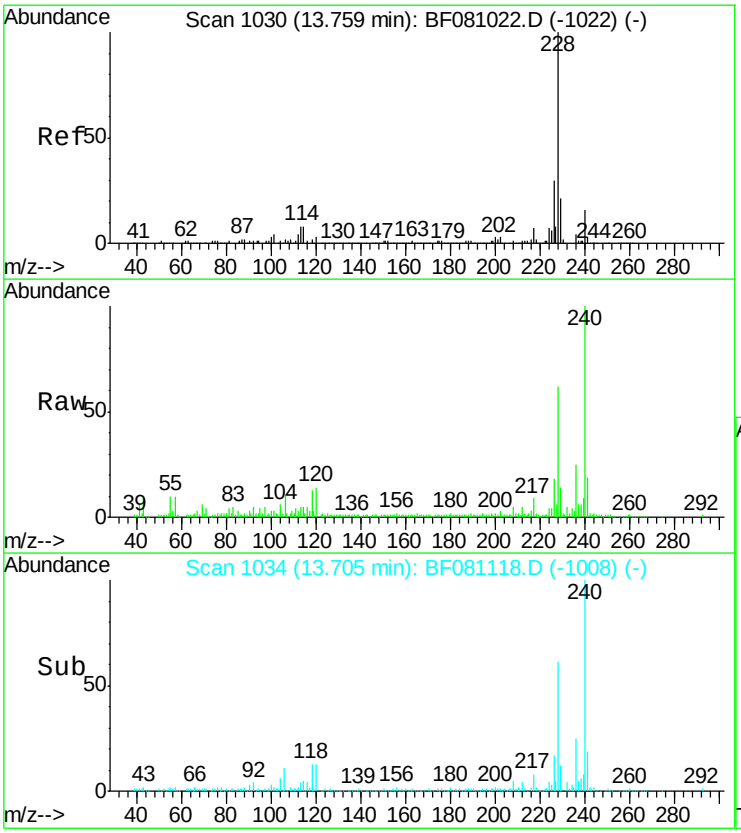
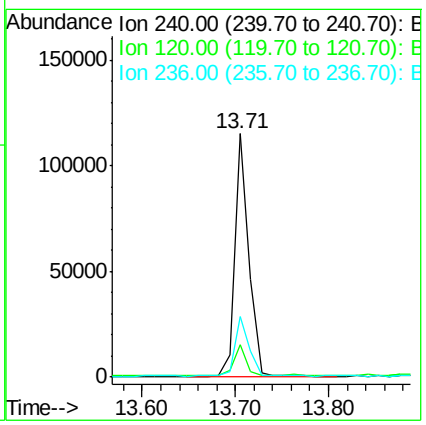
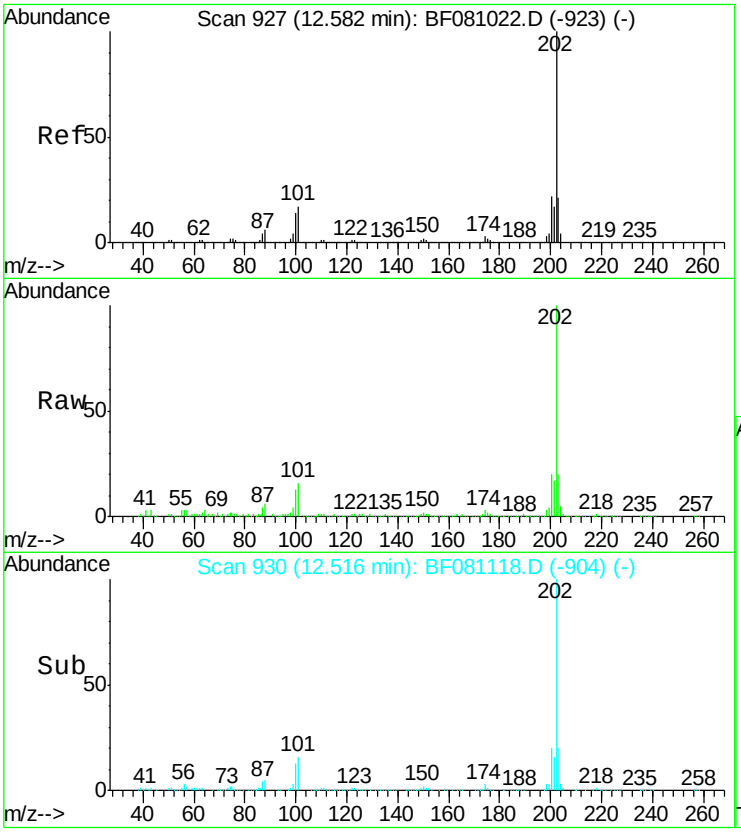


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.71 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:240 Resp: 123102

Ion	Ratio	Lower	Upper
240	100		
120	13.6	5.6	8.4#
236	25.0	20.6	30.8

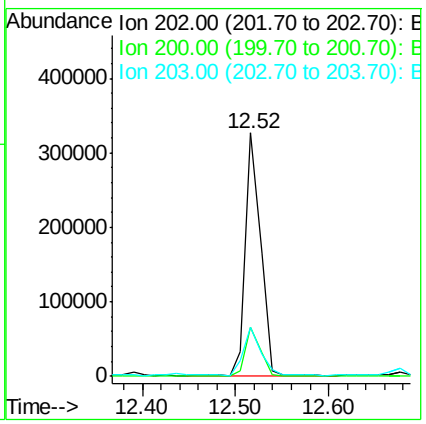




#77
Pyrene
Concen: 37.00 ng
RT: 12.52 min Scan# 930
Delta R.T. -0.00 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:202 Resp: 370253

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.6	24.8
203	20.2	14.1	21.1



Instrument :
BNA_F
ClientSampleId :
NCB-015CS-2(0-12FTBGS)

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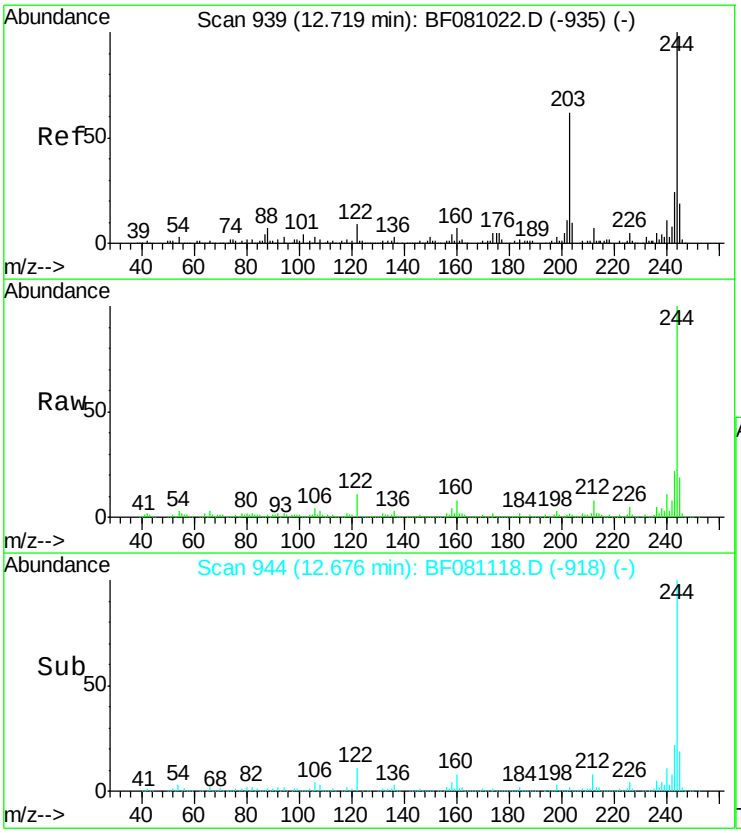
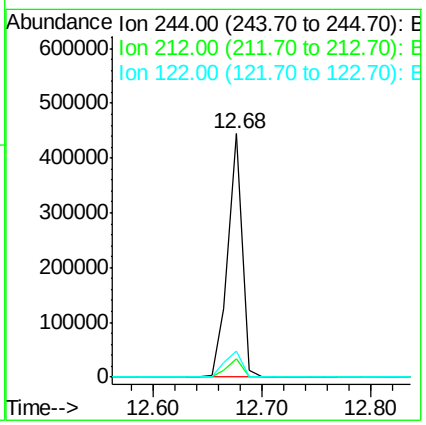
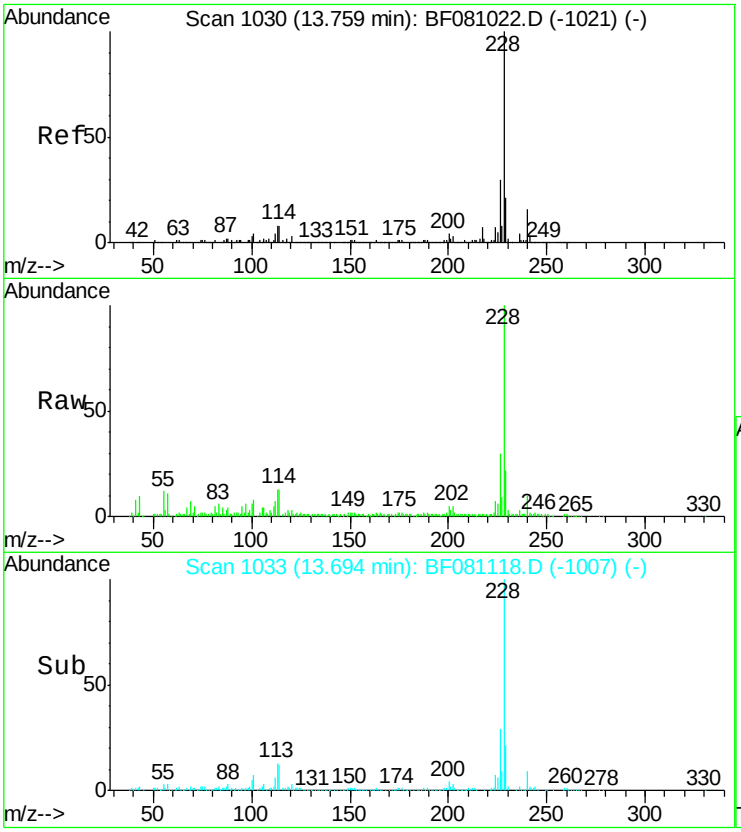


#78
Terphenyl-d14
Concen: 70.27 ng
RT: 12.68 min Scan# 944
Delta R.T. -0.00 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:244 Resp: 403495

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.8
122	10.9	8.2	12.4

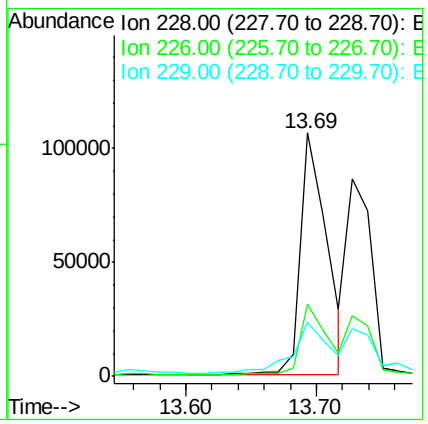




#80
Benzo(a)anthracene
Concen: 18.17 ng
RT: 13.69 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:228 Resp: 150034

Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.3	33.5
229	22.1	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
NCB-015CS-2(0-12FTBGS)

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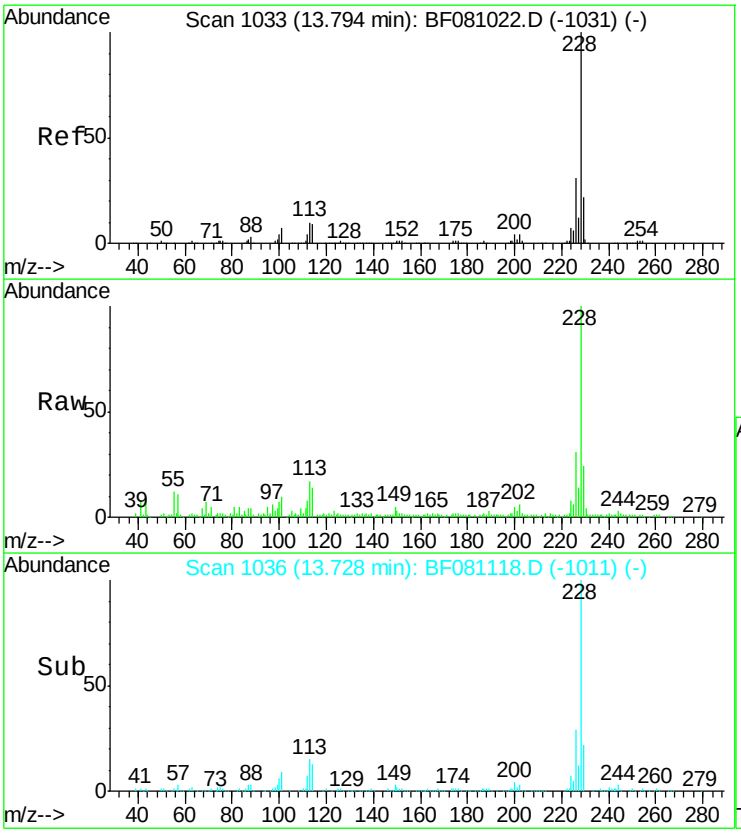
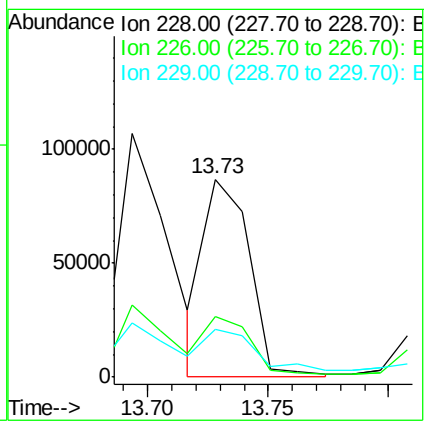
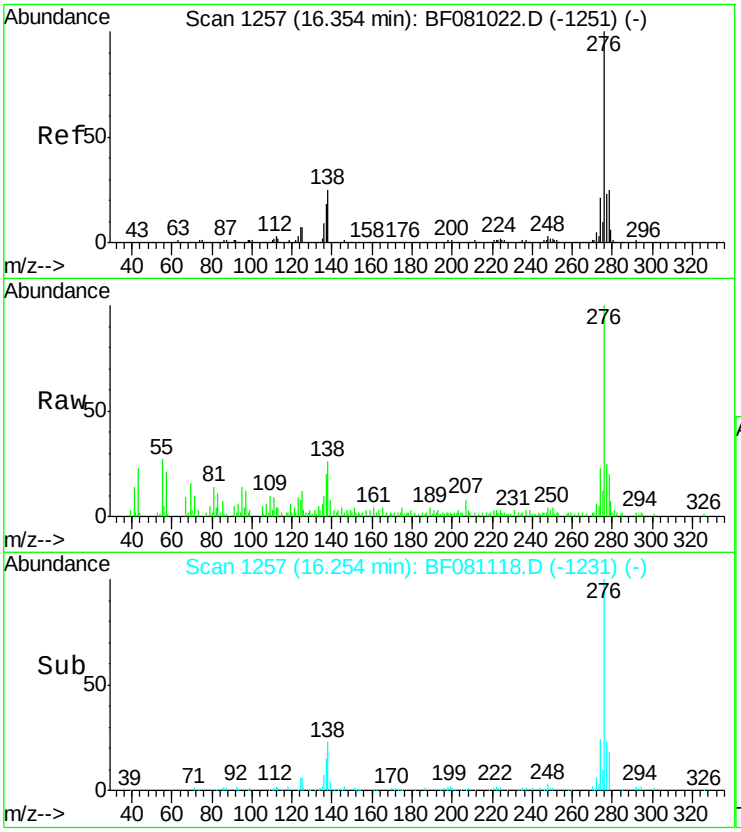


#82
Chrysene
Concen: 15.42 ng m
RT: 13.73 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:228 Resp: 114720

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.4	36.6
229	24.3	16.0	24.0#





#85
Indeno(1,2,3-cd)pyrene
Concen: 8.31 ng
RT: 16.25 min Scan# 1257
Delta R.T. -0.00 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:276 Resp: 43388

Ion	Ratio	Lower	Upper
276	100		
138	26.4	18.6	28.0
277	28.0	19.8	29.8

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-2(0-12FTBGS)

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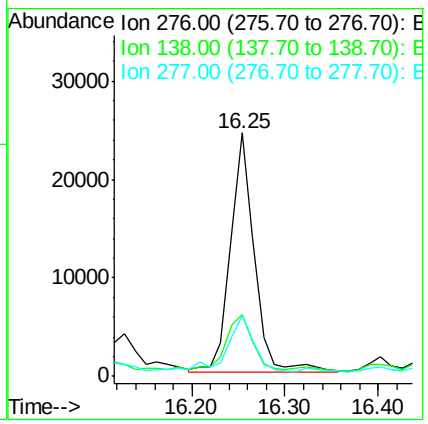
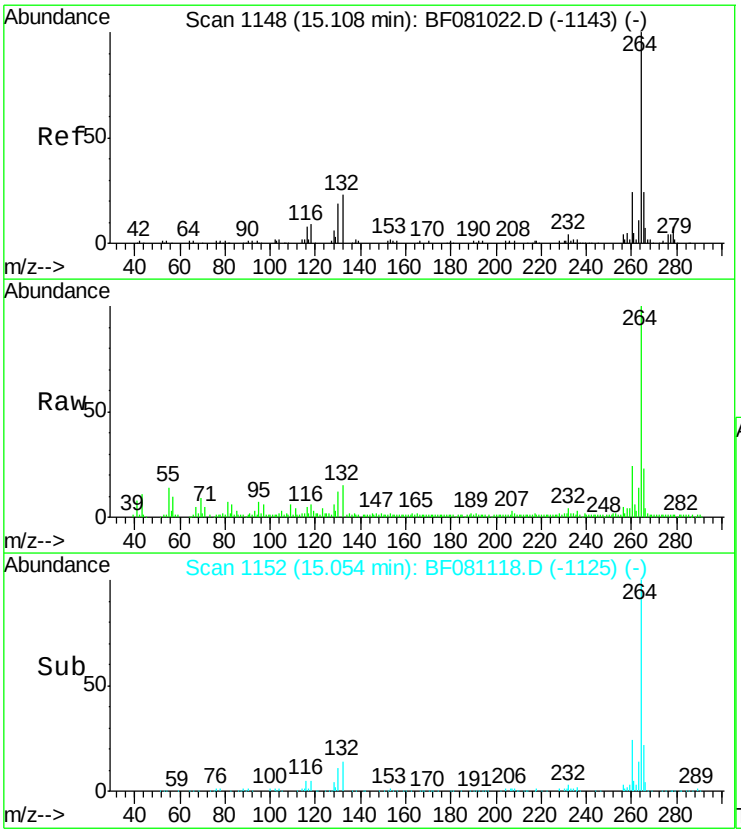
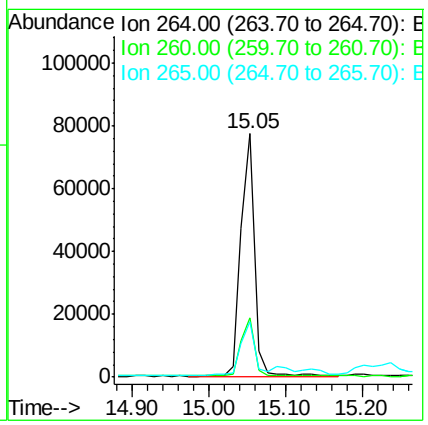


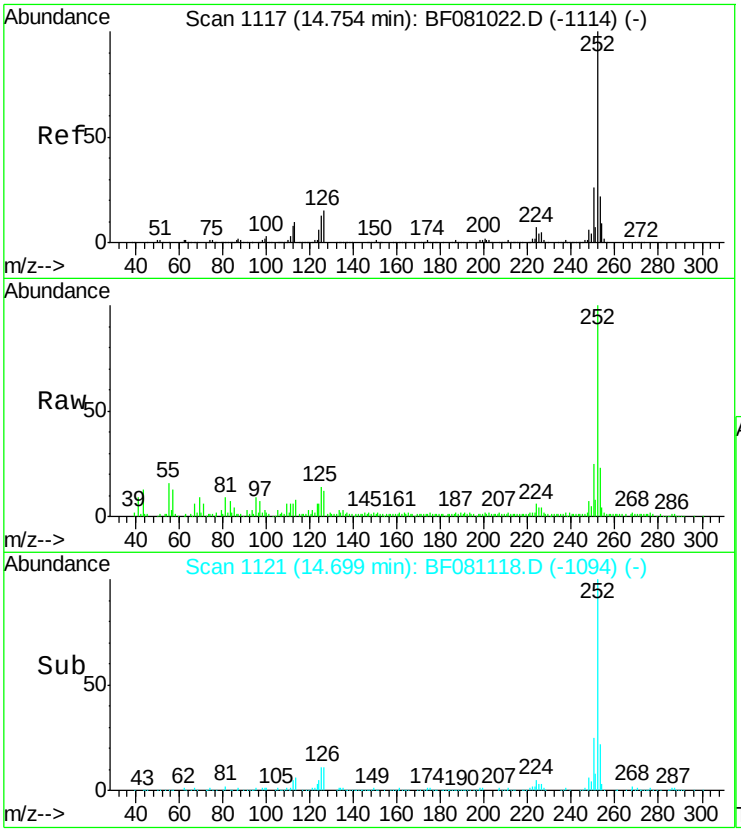


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1152
Delta R.T. 0.01 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:264 Resp: 99480

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.6	29.4
265	22.9	17.5	26.3





#87
Benzo(b)fluoranthene
Concen: 15.91 ng m
RT: 14.70 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:252 Resp: 111960

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	13.6	8.0	12.0#

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-2(0-12FTBGS)

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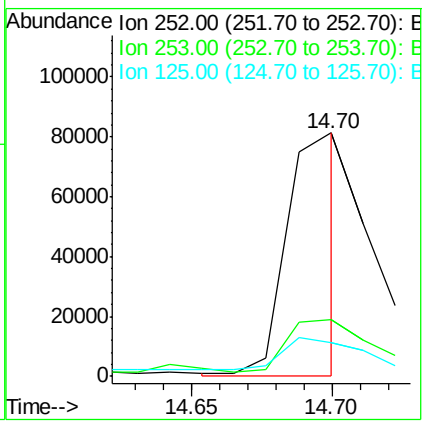
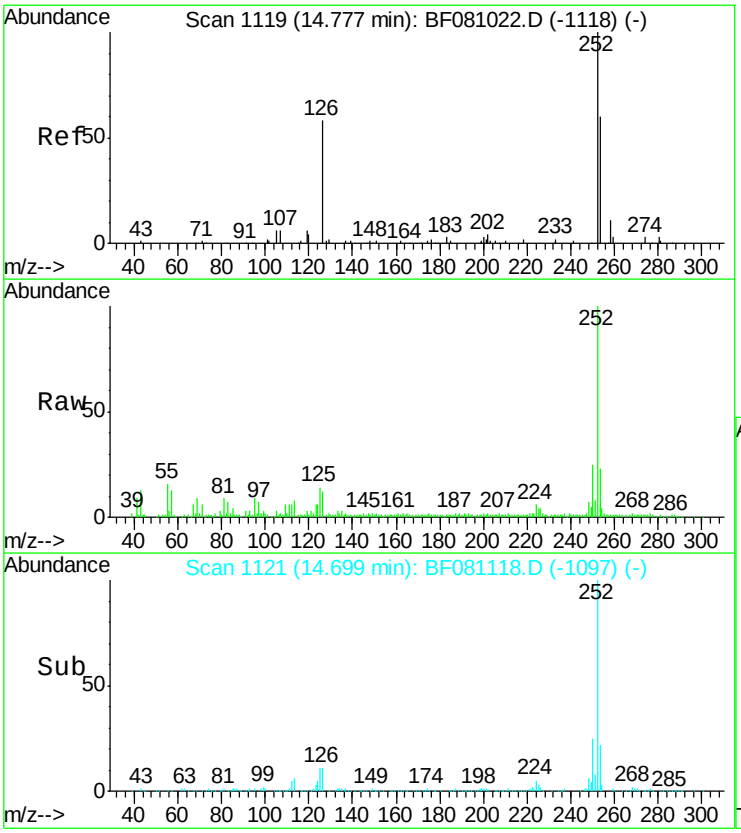
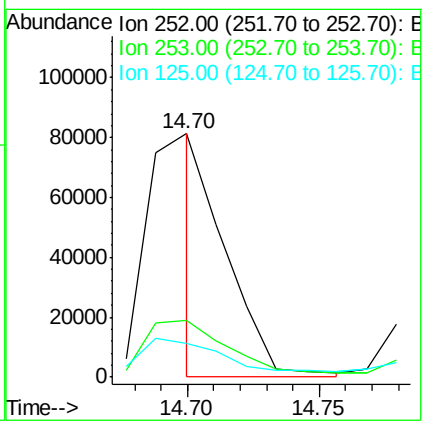


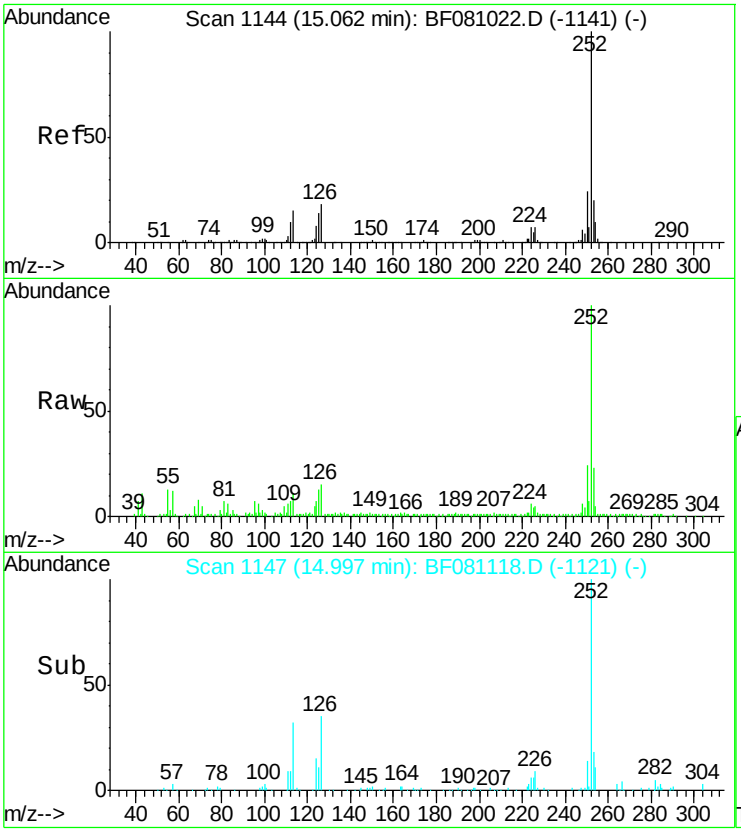


#88
Benzo(k)fluoranthene
Concen: 8.46 ng m
RT: 14.70 min Scan# 1121
Delta R.T. -0.02 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:252 Resp: 55494

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	13.6	10.3	15.5





#89
Benzo(a)pyrene
Concen: 15.89 ng
RT: 15.00 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:252 Resp: 97443

Ion	Ratio	Lower	Upper
252	100		
253	22.7	16.6	25.0
125	13.3	7.8	11.8#

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-2(0-12FTBGS)

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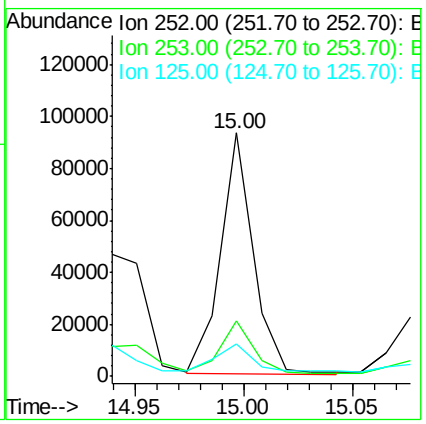
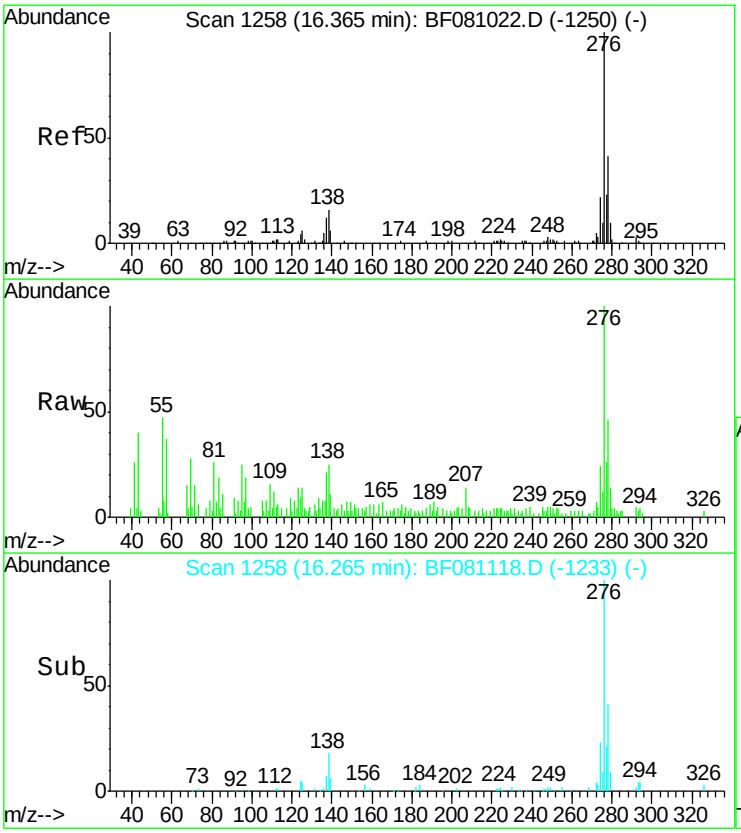
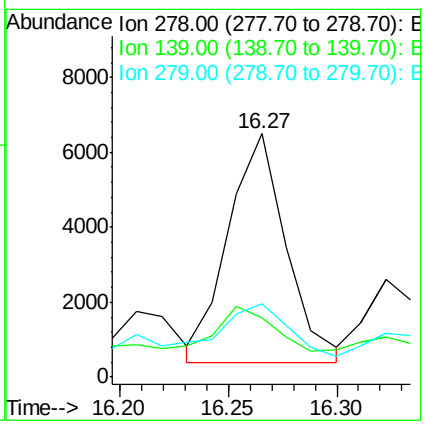


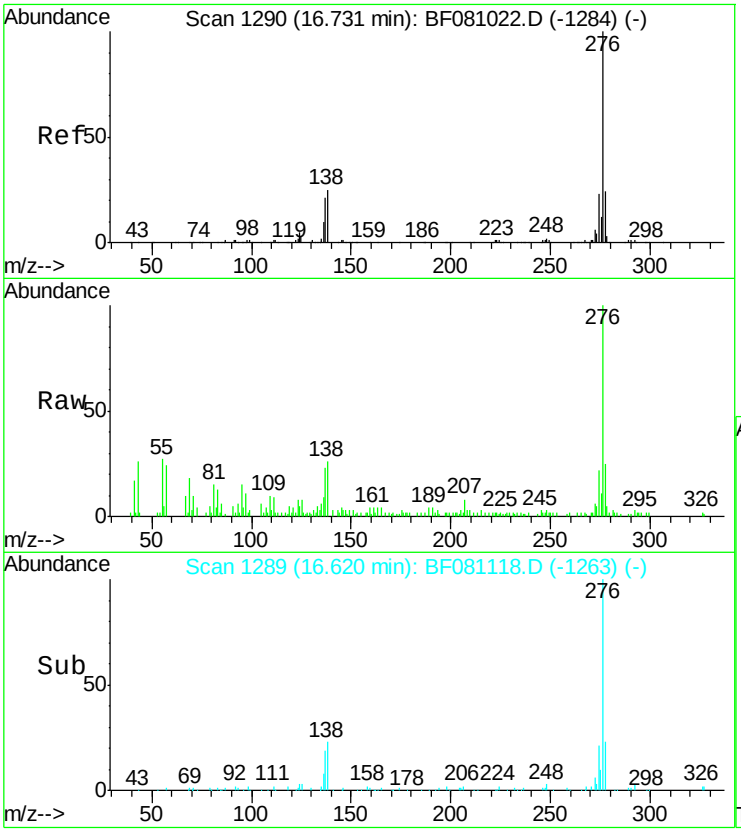


#90
Dibenzo(a,h)anthracene
Concen: 2.39 ng
RT: 16.27 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:278 Resp: 11418

Ion	Ratio	Lower	Upper
278	100		
139	24.4	10.8	16.2#
279	30.2	19.0	28.6#





#91
Benzo(g,h,i)perylene
Concen: 9.08 ng
RT: 16.62 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BF081118.D
Acq: 20 Aug 2015 10:20

Tgt Ion:276 Resp: 44013

Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.2	27.2
138	25.6	13.7	20.5#

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-2(0-12FTBGS)

Manual Integrations APPROVED
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