Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081502.D
Acq On : 6 Sep 2015 11:13
Operator : UM/IZ
Sample : G3498-01RE
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MGP206BR-29-31RE

Manual Integrations APPROVED
MMDadoda
9/8/2015 3:57:39 PM

Quant Time: Sep 07 09:03:06 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 07 05:41:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	48567	20.00	ng		-0.01
21) Naphthalene-d8	7.67	136	169855	20.00	ng		0.01
38) Acenaphthene-d10	9.39	164	81008	20.00	ng		0.00
63) Phenanthrene-d10	10.86	188	150526	20.00	ng		0.00
75) Chrysene-d12	13.46	240	106644	20.00	ng		0.00
86) Perylene-d12	14.77	264	85905	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	4.91	112	507187	162.03	ng		0.02
7) Phenol-d6	6.03	99	691941	166.99	ng		0.00
23) Nitrobenzene-d5	6.94	82	372026	105.67	ng		-0.01
41) 2,4,6-Tribromophenol	10.18	330	122559	169.91	ng		0.00
44) 2-Fluorobiphenyl	8.73	172	557095	88.13	ng		-0.01
78) Terphenyl-d14	12.45	244	500330	109.21	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	7.71	128	8320795	918.55	ng	#	92
37) 2-Methylnaphthalene	8.39	142	2814716	477.48	ng	#	89
45) 1,1'-Biphenyl	8.83	154	425303	57.07	ng		94
48) Acenaphthylene	9.27	152	2087075	218.58	ng	#	92
49) Dimethylphthalate	9.14	163	106360	16.90	ng	#	97
51) Acenaphthene	9.43	154	140985	25.96	ng	#	86
54) Dibenzofuran	9.59	168	178203	22.47	ng	#	82
57) Fluorene	9.94	166	998661m	165.92	ng		
70) Phenanthrene	10.90	178	3109473m	371.57	ng		
71) Anthracene	10.95	178	1027411	119.50	ng		97
72) Carbazole	11.10	167	45063	5.59	ng	#	93
74) Fluoranthene	12.06	202	835724	92.25	ng		90
77) Pyrene	12.29	202	1190529	150.71	ng		96
80) Benzo(a)anthracene	13.45	228	346203	50.98	ng	#	63
82) Chrysene	13.49	228	230230m	37.82	ng		
85) Indeno(1,2,3-cd)pyrene	15.84	276	62273	13.94	ng	#	82
87) Benzo(b)fluoranthene	14.45	252	169244m	27.60	ng		
88) Benzo(k)fluoranthene	14.46	252	40862m	8.03	ng		
89) Benzo(a)pyrene	14.72	252	177831	34.22	ng	#	85
90) Dibenzo(a,h)anthracene	15.84	278	18931	4.71	ng	#	80
91) Benzo(g,h,i)perylene	16.16	276	53475	13.95	ng	#	72

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

Quantitation Report (QT Reviewed)

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Instrument :
BNA_F
ClientSampleId :
MGP206BR-29-31RE

Manual Integrations APPROVED
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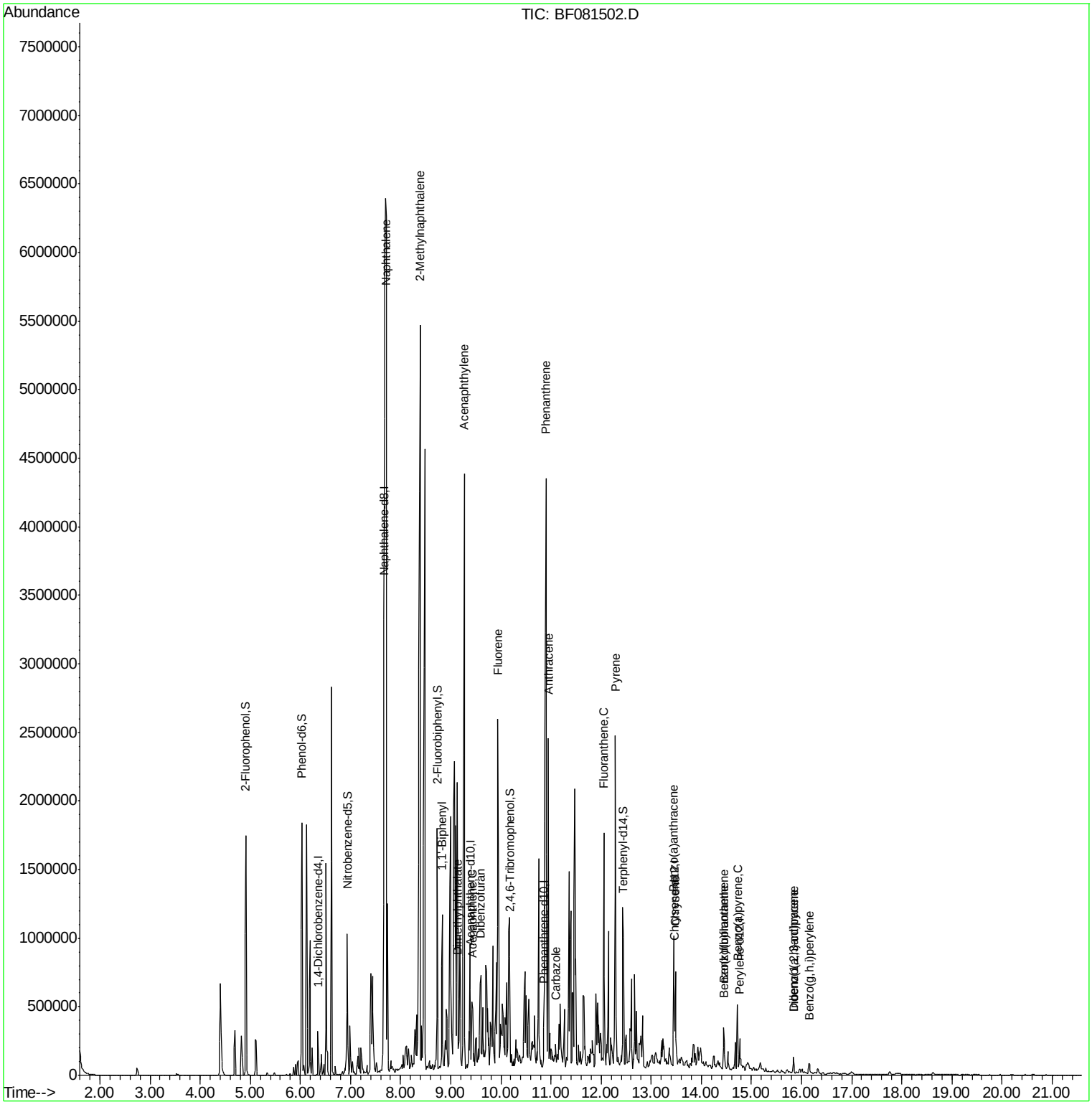
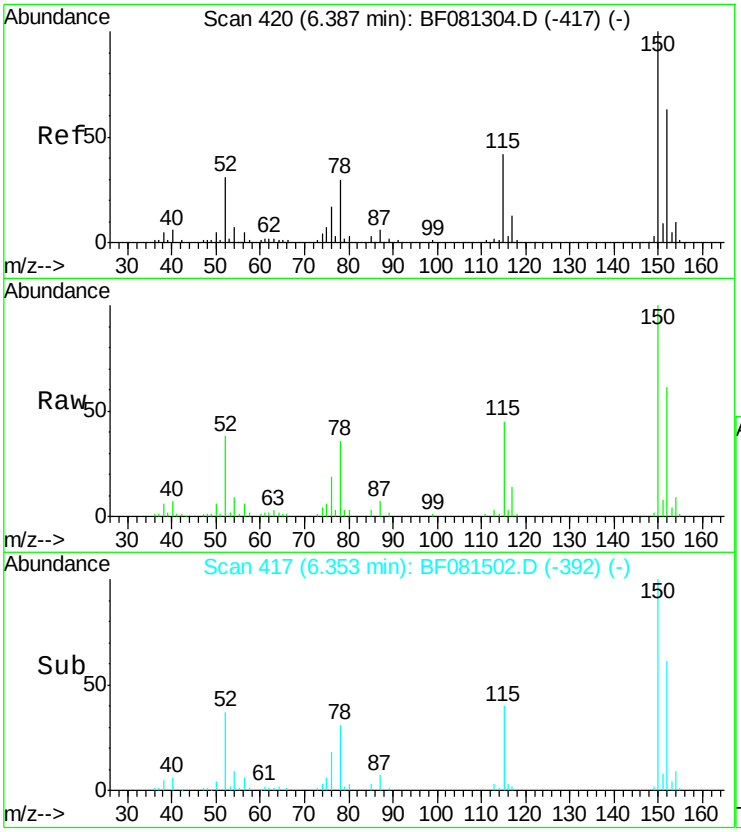
9/8/2015 3:57:39 PM





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.35 min Scan# 417
Delta R.T. -0.01 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:152 Resp: 48567

Ion	Ratio	Lower	Upper
152	100		
150	162.9	124.7	187.1
115	73.4	39.0	58.4#

Instrument :
BNA_F
ClientSampleId :
MGP206BR-29-31RE

Manual Integrations APPROVED
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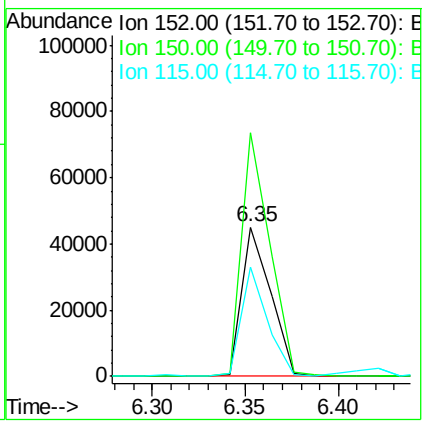
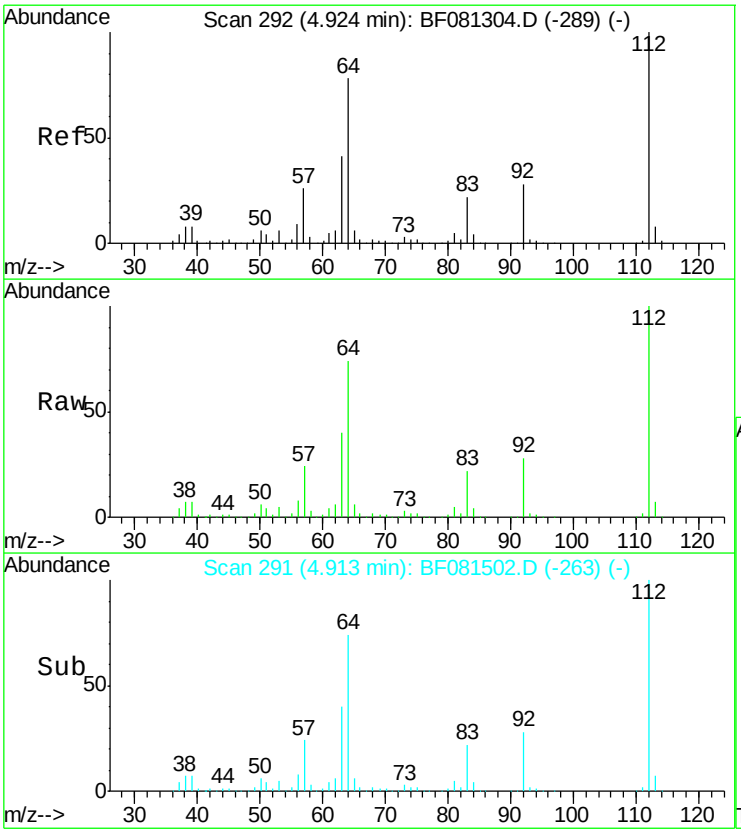
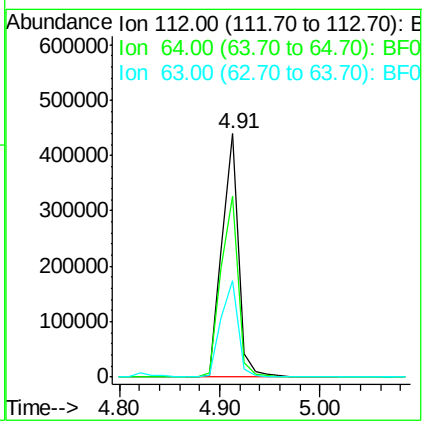


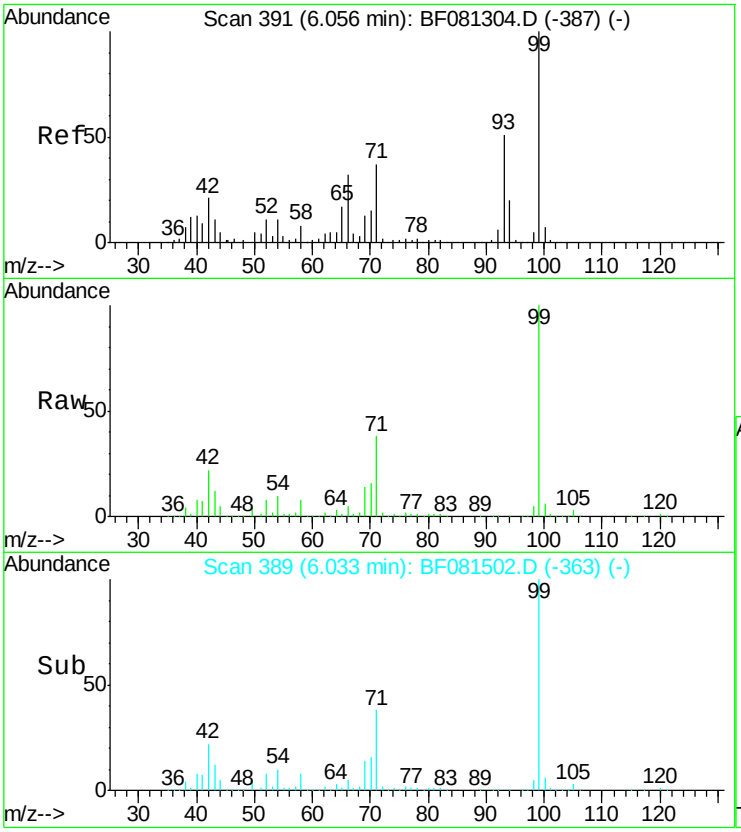


#5
2-Fluorophenol
Concen: 162.03 ng
RT: 4.91 min Scan# 291
Delta R.T. 0.02 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:112 Resp: 507187

Ion	Ratio	Lower	Upper
112	100		
64	74.3	39.7	59.5#
63	39.6	17.4	26.0#

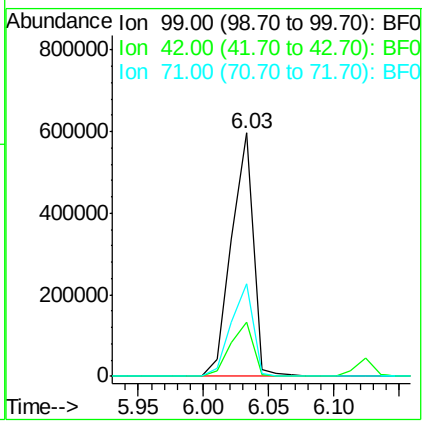




#7
Phenol-d6
Concen: 166.99 ng
RT: 6.03 min Scan# 389
Delta R.T. -0.00 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion: 99 Resp: 691941

Ion	Ratio	Lower	Upper
99	100		
42	22.1	13.7	20.5#
71	38.0	14.2	21.2#



Instrument :
BNA_F
ClientSampleId :
MGP206BR-29-31RE

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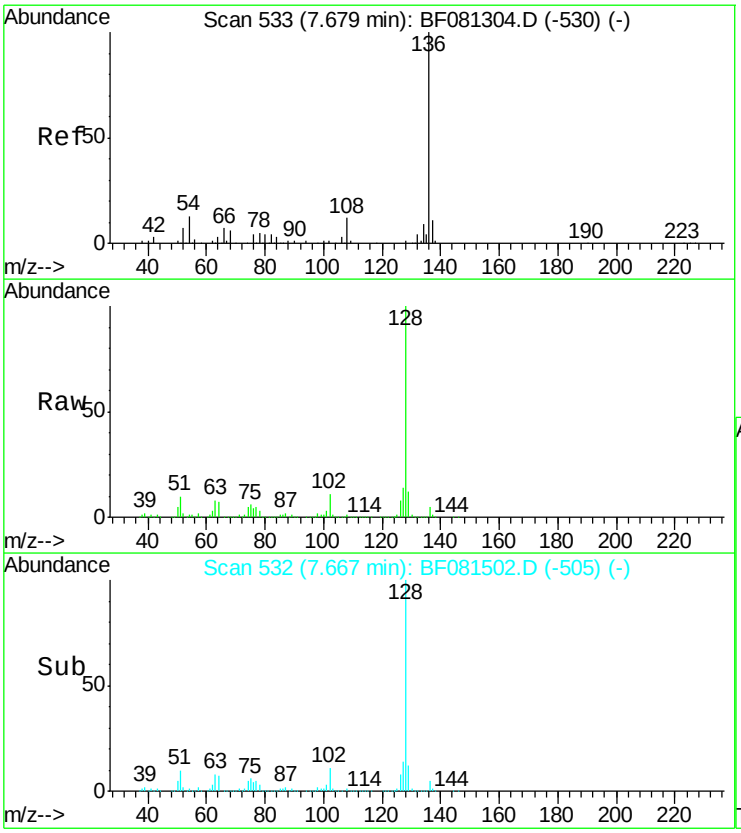
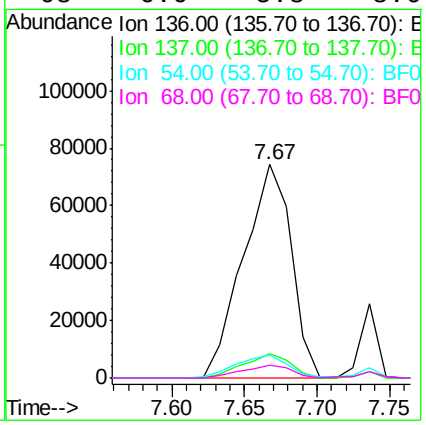
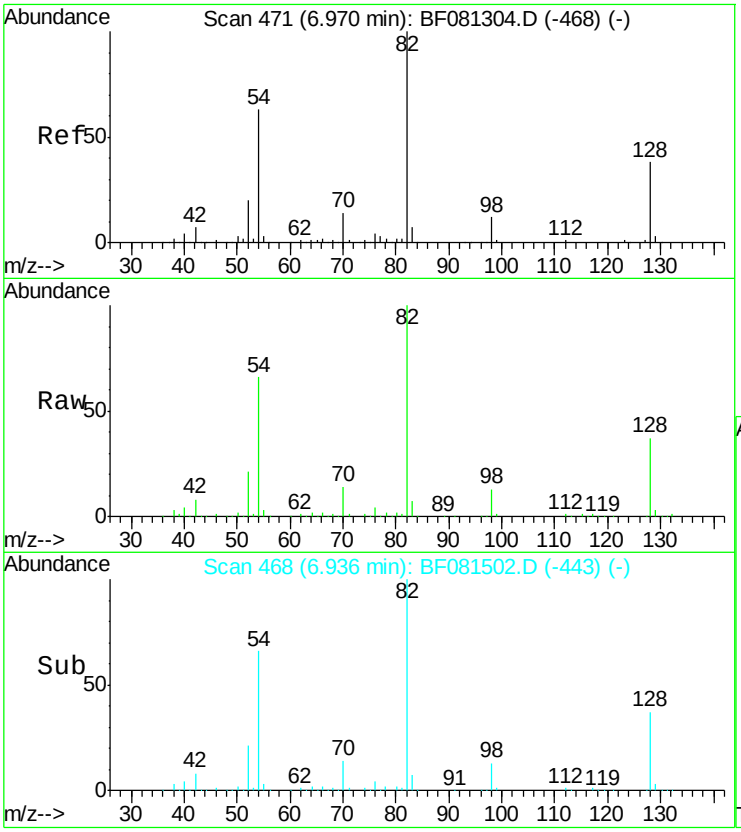


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.67 min Scan# 532
Delta R.T. 0.01 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:136 Resp: 169855

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	10.7	8.2	12.2
68	6.0	5.8	8.6

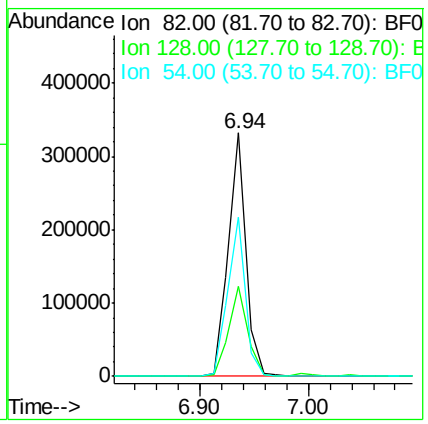




#23
Nitrobenzene-d5
Concen: 105.67 ng
RT: 6.94 min Scan# 468
Delta R.T. -0.01 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion: 82 Resp: 372026

Ion	Ratio	Lower	Upper
82	100		
128	36.7	51.0	76.6#
54	65.5	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
MGP206BR-29-31RE

Manual Integrations APPROVED
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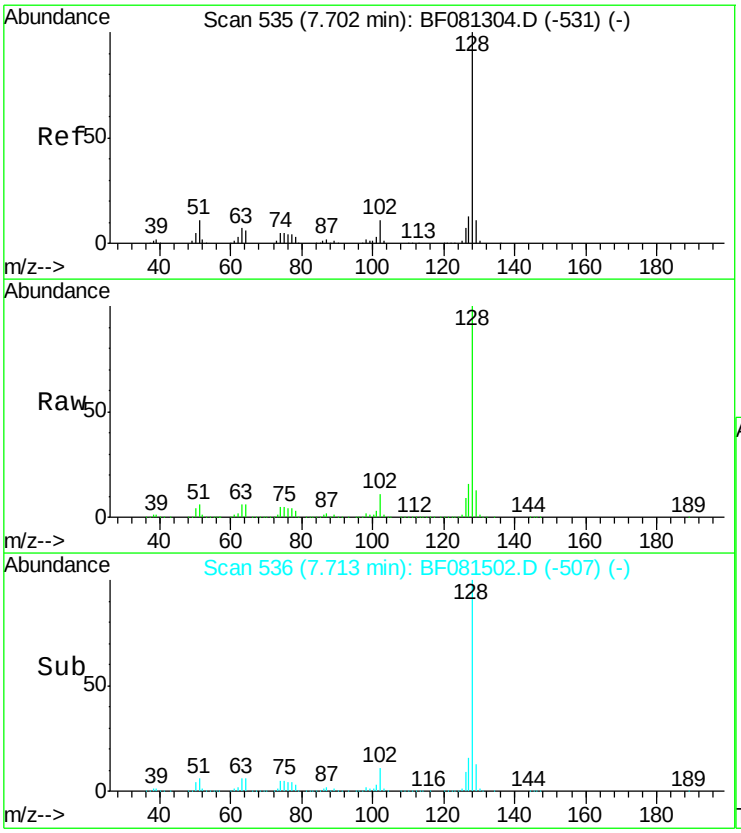
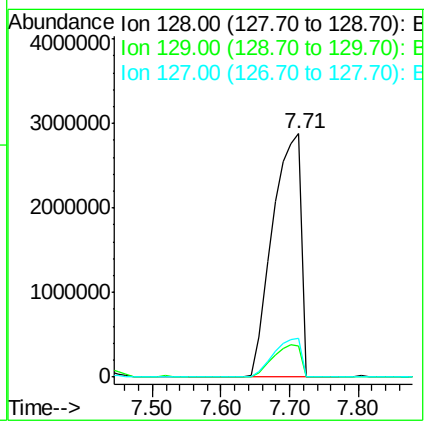
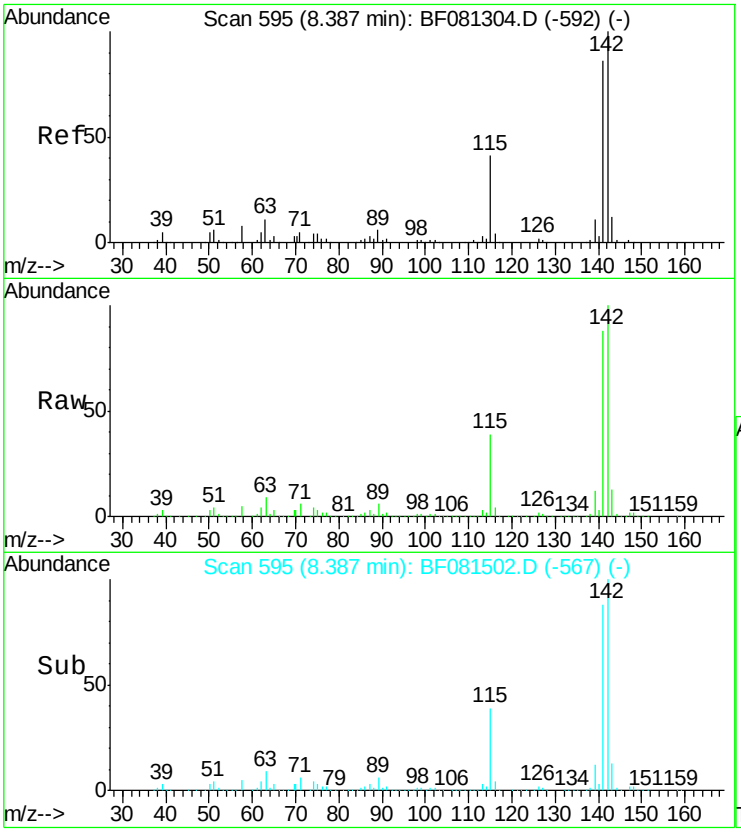


#31
Naphthalene
Concen: 918.55 ng
RT: 7.71 min Scan# 536
Delta R.T. 0.03 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:128 Resp: 8320795

Ion	Ratio	Lower	Upper
128	100		
129	13.0	8.4	12.6#
127	15.9	9.9	14.9#

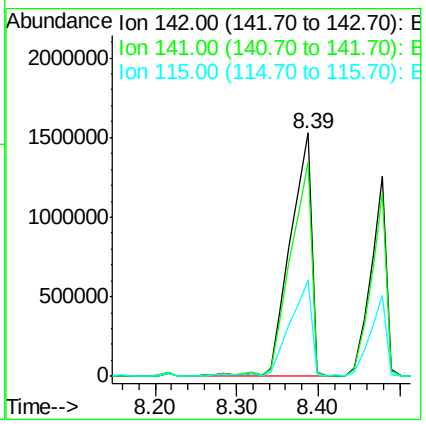




#37
2-Methylnaphthalene
Concen: 477.48 ng
RT: 8.39 min Scan# 595
Delta R.T. 0.02 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:142 Resp: 2814716

Ion	Ratio	Lower	Upper
142	100		
141	88.1	67.5	101.3
115	39.4	18.2	27.2#



Instrument :
BNA_F
ClientSampleId :
MGP206BR-29-31RE

Manual Integrations APPROVED
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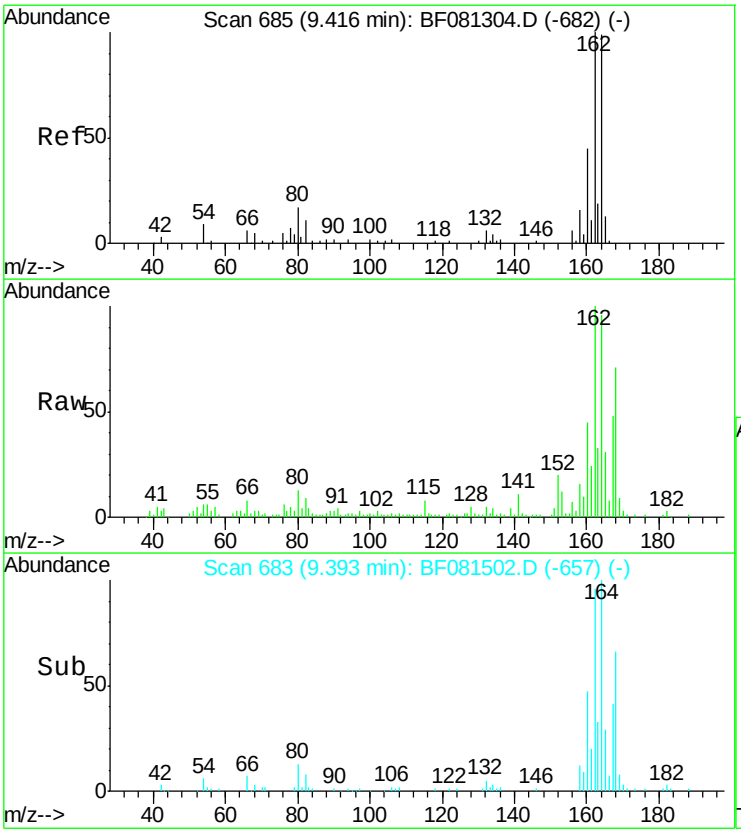
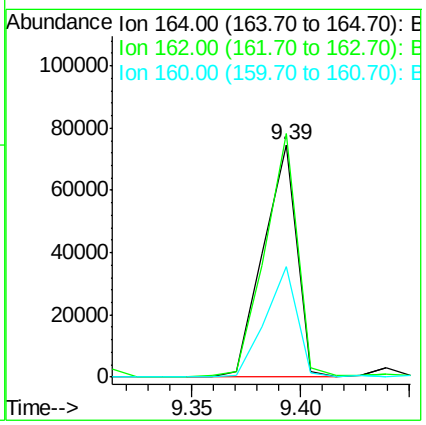
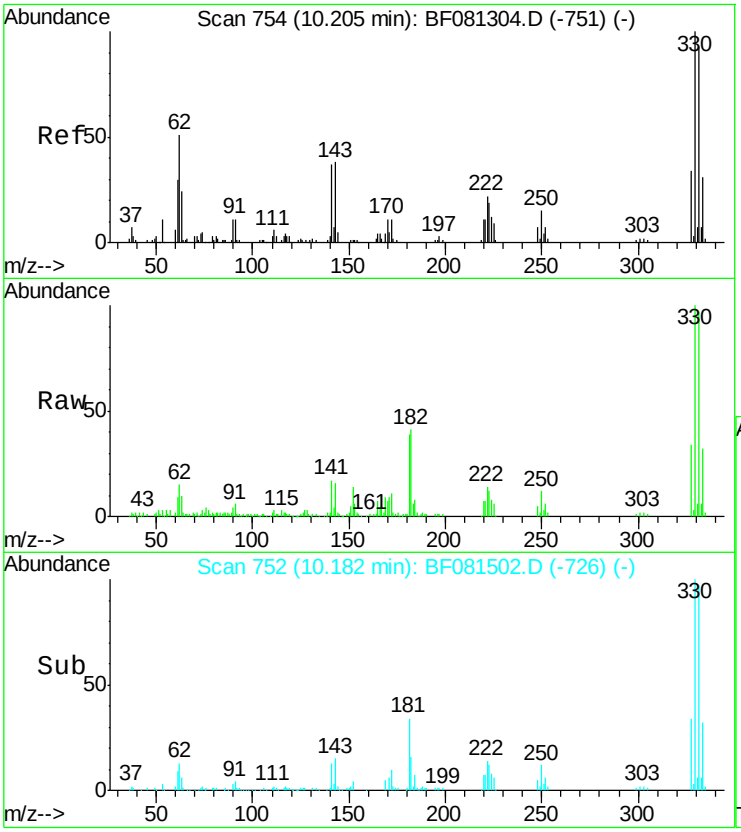


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.00 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:164 Resp: 81008

Ion	Ratio	Lower	Upper
164	100		
162	104.7	75.2	112.8
160	47.3	31.5	47.3#

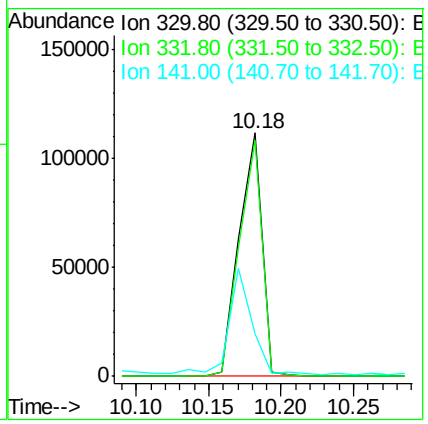




#41
2,4,6-Tribromophenol
Concen: 169.91 ng
RT: 10.18 min Scan# 752
Delta R.T. -0.00 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:330 Resp: 122559

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	114.8
141	44.0	29.7	44.5



Instrument :
BNA_F
ClientSampleId :
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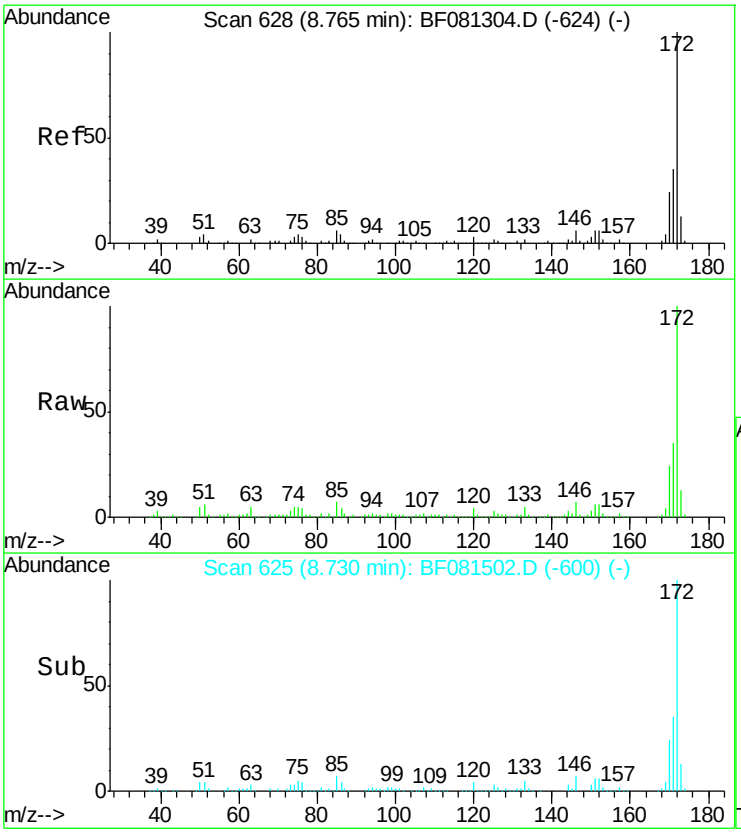
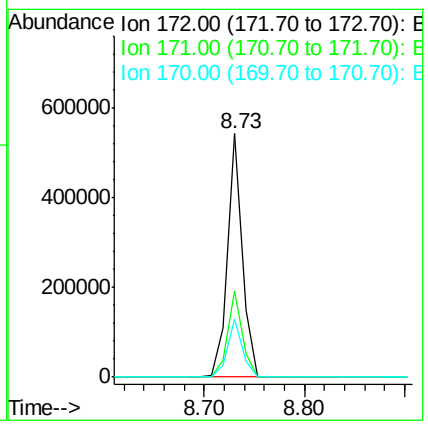
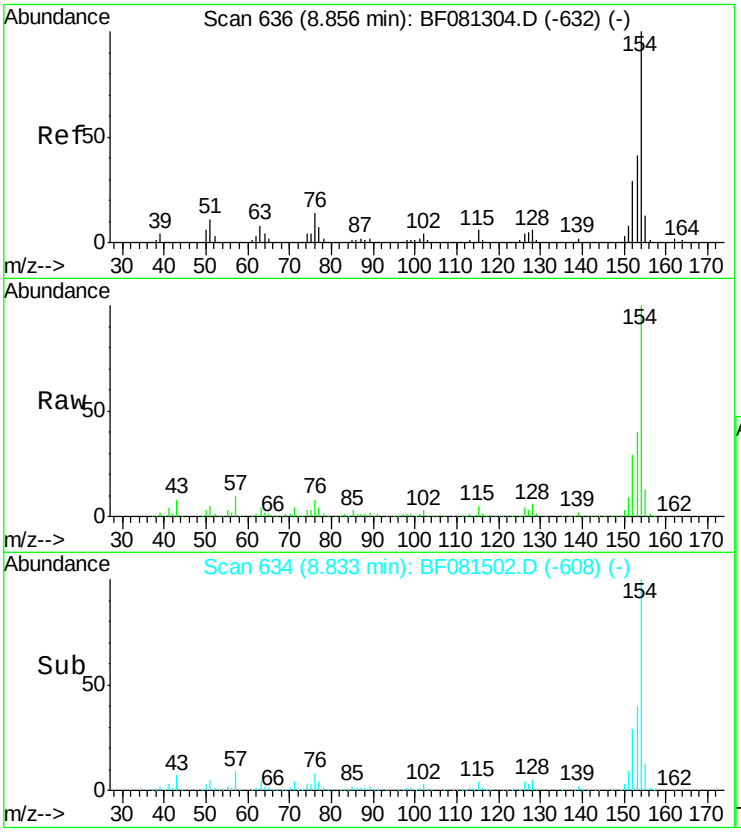


#44
2-Fluorobiphenyl
Concen: 88.13 ng
RT: 8.73 min Scan# 625
Delta R.T. -0.01 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:172 Resp: 557095

Ion	Ratio	Lower	Upper
172	100		
171	35.3	26.1	39.1
170	24.1	17.4	26.2

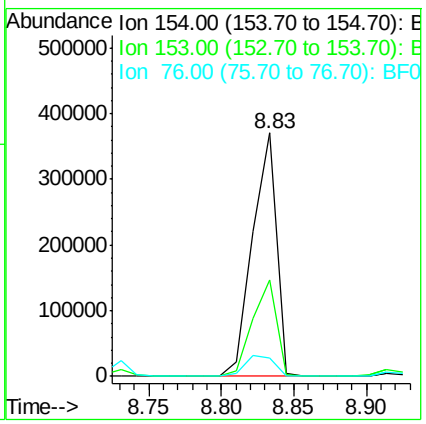




#45
1,1'-Biphenyl
Concen: 57.07 ng
RT: 8.83 min Scan# 634
Delta R.T. -0.00 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:154 Resp: 425303

Ion	Ratio	Lower	Upper
154	100		
153	39.7	17.1	57.1
76	7.7	0.0	31.6



Instrument :
BNA_F
ClientSampleId :
MGP206BR-29-31RE

Manual Integrations APPROVED
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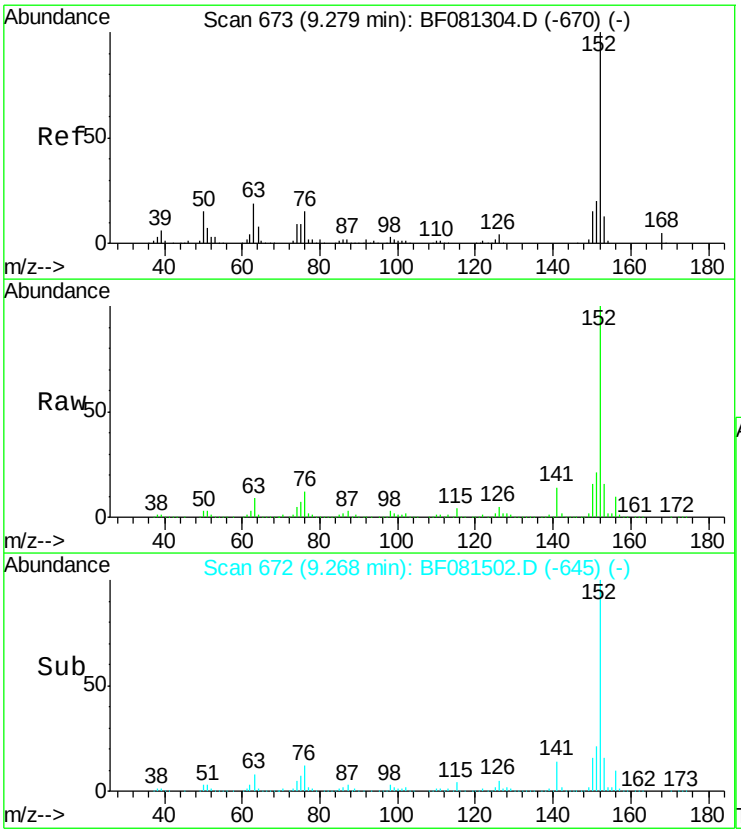
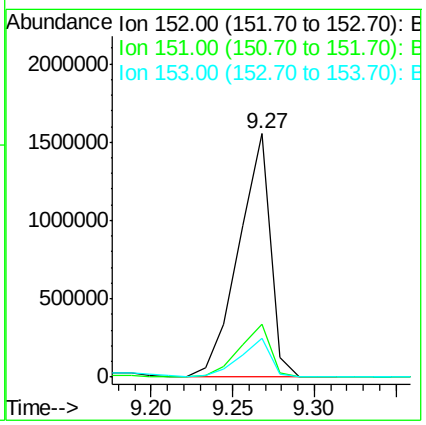
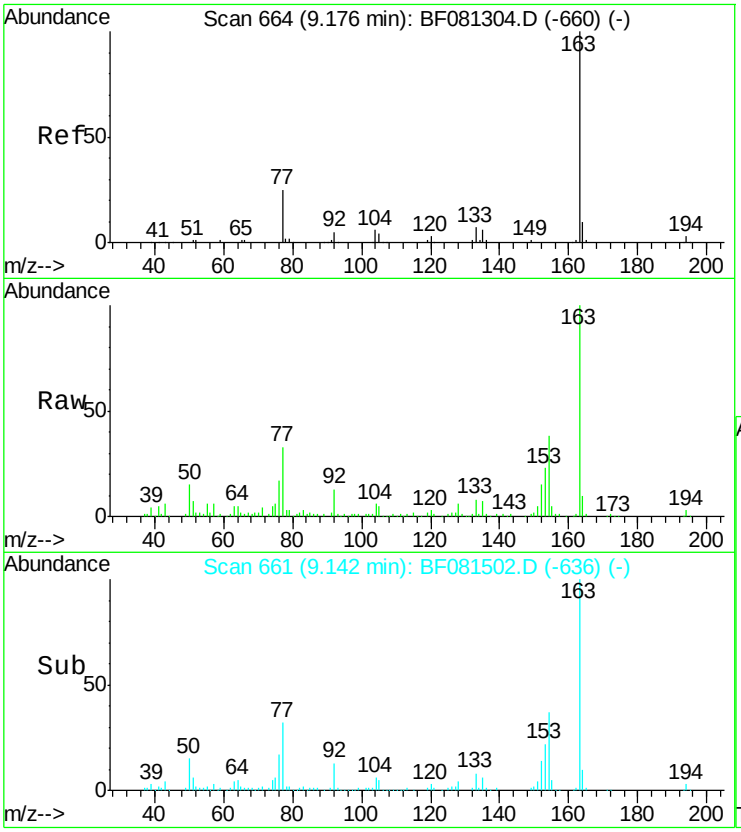


#48
Acenaphthylene
Concen: 218.58 ng
RT: 9.27 min Scan# 672
Delta R.T. 0.01 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:152 Resp: 2087075

Ion	Ratio	Lower	Upper
152	100		
151	21.5	14.6	22.0
153	16.1	10.3	15.5#

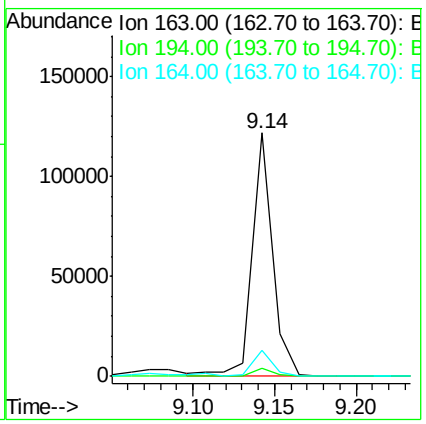




#49
Dimethylphthalate
Concen: 16.90 ng
RT: 9.14 min Scan# 661
Delta R.T. -0.01 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:163 Resp: 106360

Ion	Ratio	Lower	Upper
163	100		
194	3.1	4.4	6.6#
164	10.4	8.3	12.5



Instrument :
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ClientSampleId :
MGP206BR-29-31RE

Manual Integrations APPROVED
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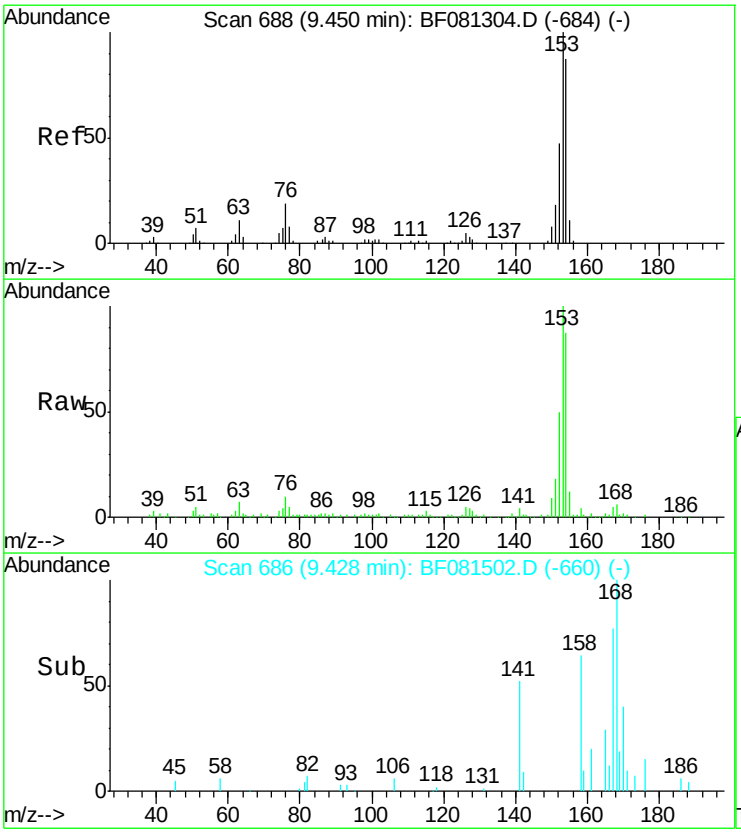
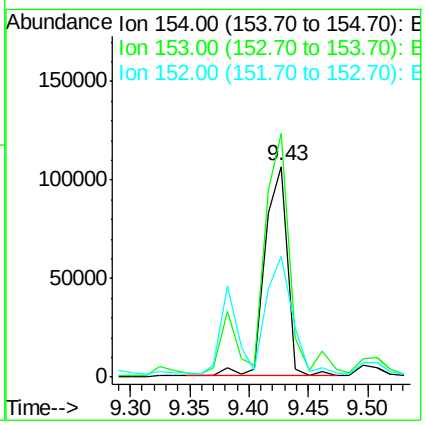
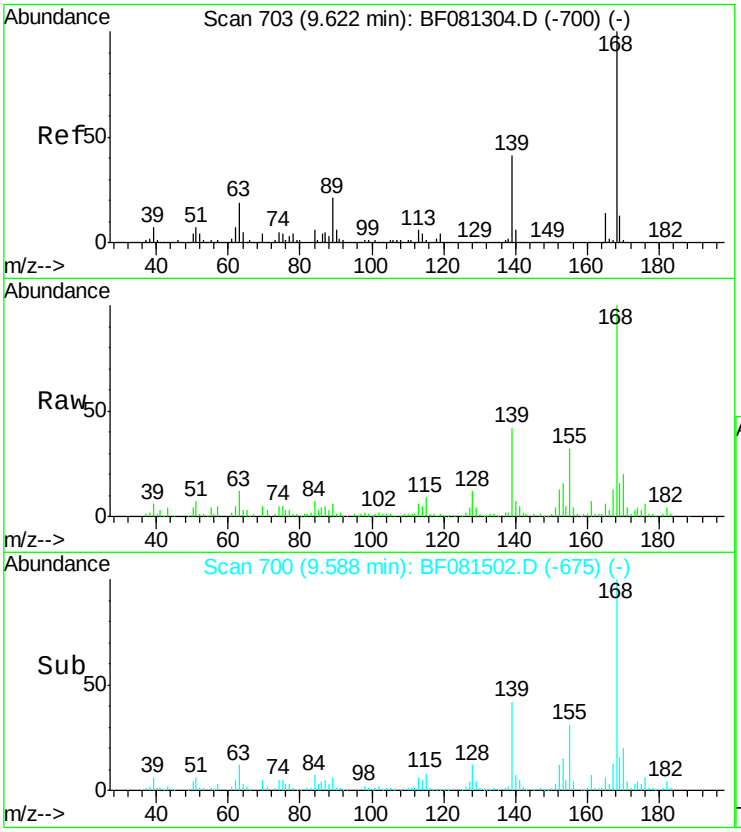


#51
Acenaphthene
Concen: 25.96 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.00 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:154 Resp: 140985

Ion	Ratio	Lower	Upper
154	100		
153	115.6	82.1	123.1
152	57.6	37.9	56.9#

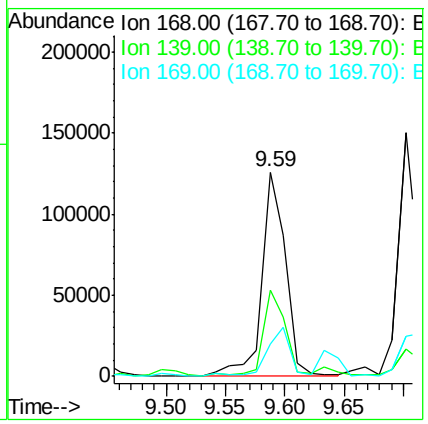




#54
Dibenzofuran
Concen: 22.47 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.01 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:168 Resp: 178203

Ion	Ratio	Lower	Upper
168	100		
139	42.4	24.2	36.2#
169	15.8	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
MGP206BR-29-31RE

Manual Integrations APPROVED
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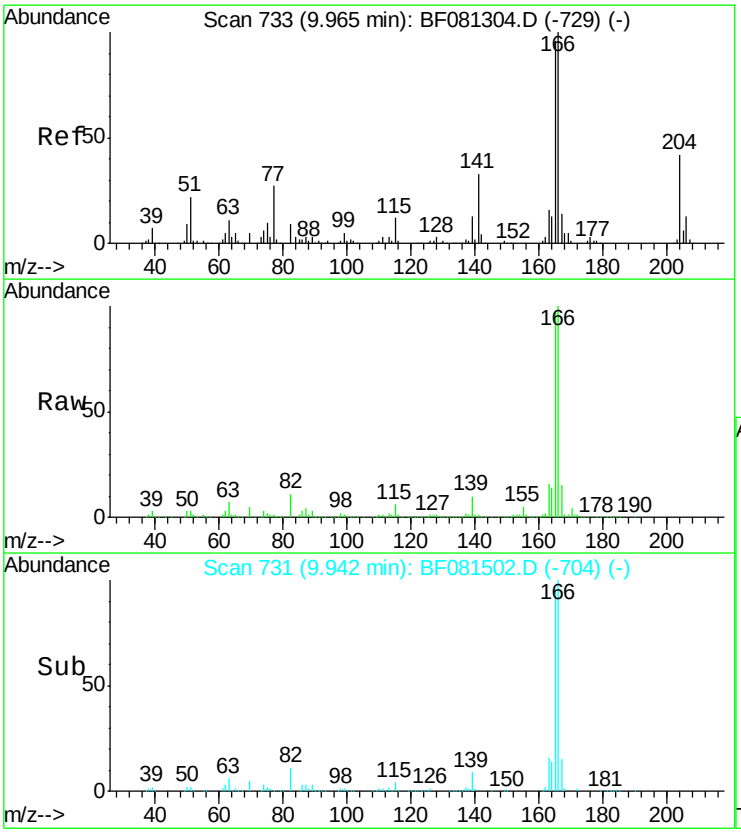
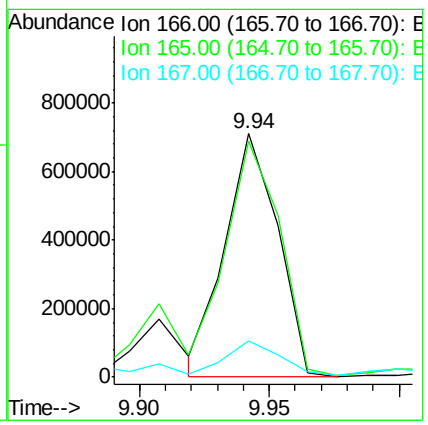
9/8/2015 3:57:39 PM

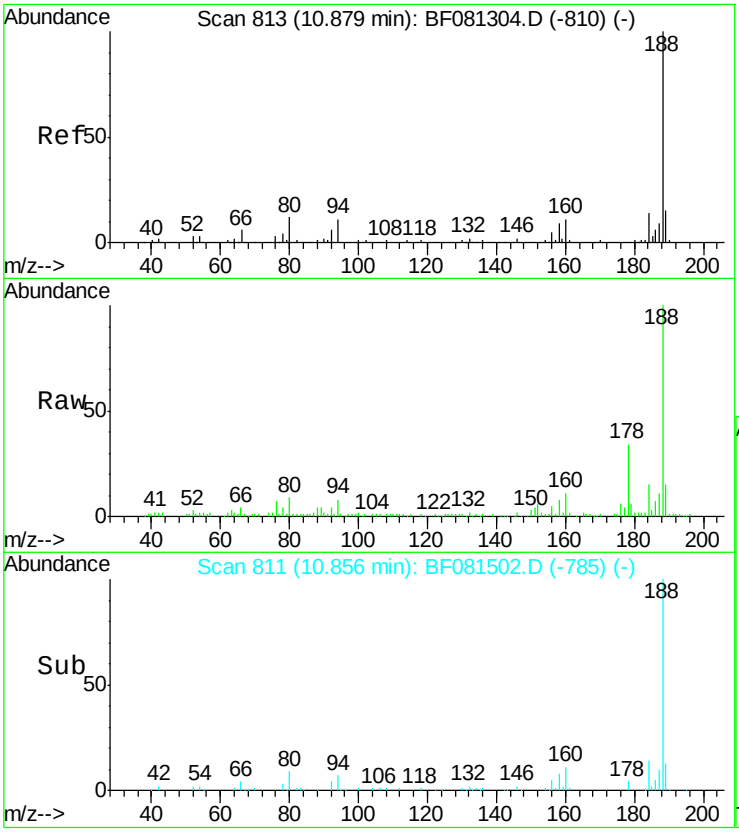


#57
Fluorene
Concen: 165.92 ng m
RT: 9.94 min Scan# 731
Delta R.T. 0.01 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:166 Resp: 998661

Ion	Ratio	Lower	Upper
166	100		
165	96.9	72.6	109.0
167	15.0	10.6	16.0

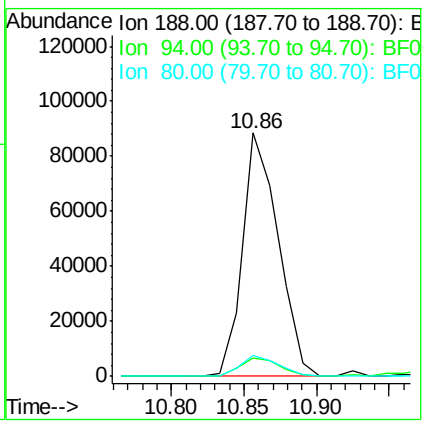




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:188 Resp: 150526

Ion	Ratio	Lower	Upper
188	100		
94	7.7	11.1	16.7#
80	8.8	11.0	16.4#



Instrument :
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ClientSampleId :
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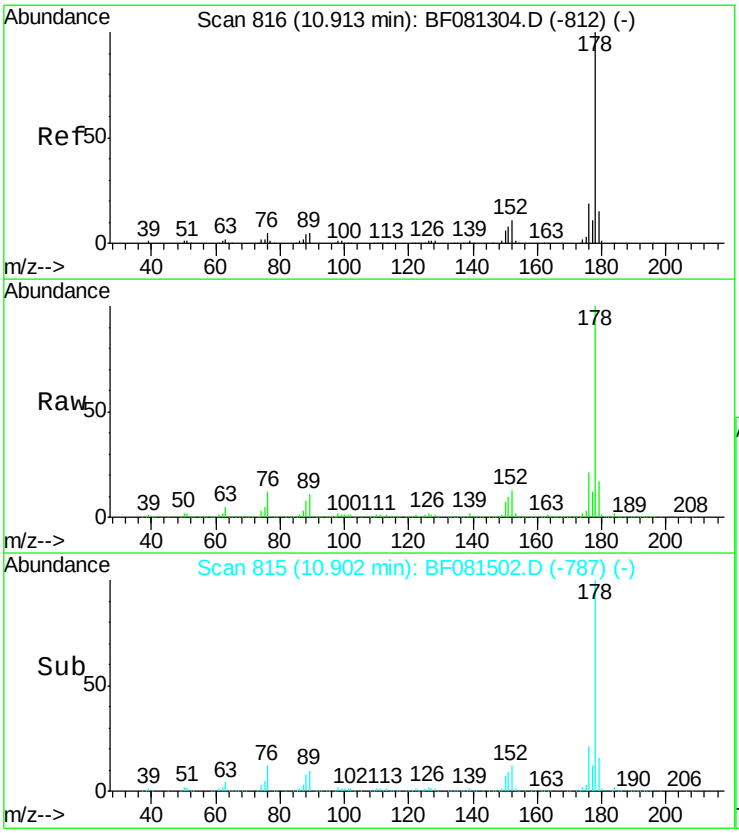
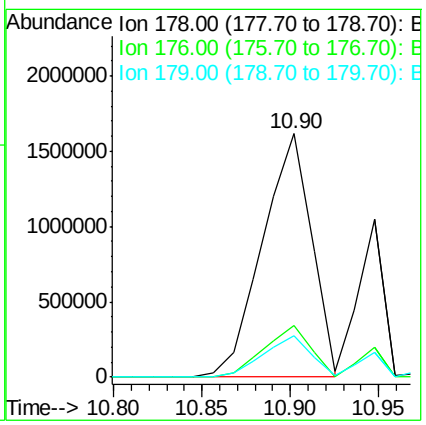
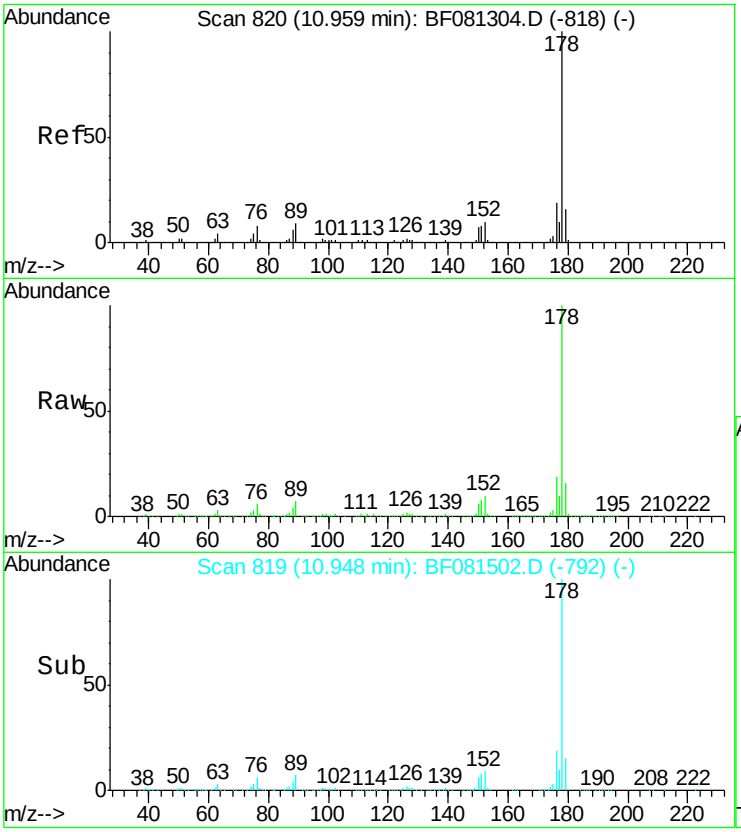


#70
Phenanthrene
Concen: 371.57 ng m
RT: 10.90 min Scan# 815
Delta R.T. 0.02 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:178 Resp: 3109473

Ion	Ratio	Lower	Upper
178	100		
176	21.2	13.8	20.8#
179	16.9	12.2	18.2

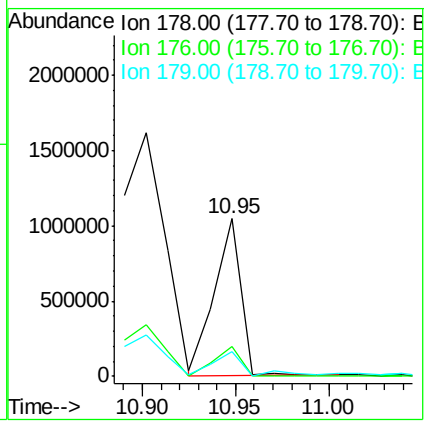




#71
Anthracene
Concen: 119.50 ng
RT: 10.95 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:178 Resp: 1027411

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.1	21.1
179	16.1	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
MGP206BR-29-31RE

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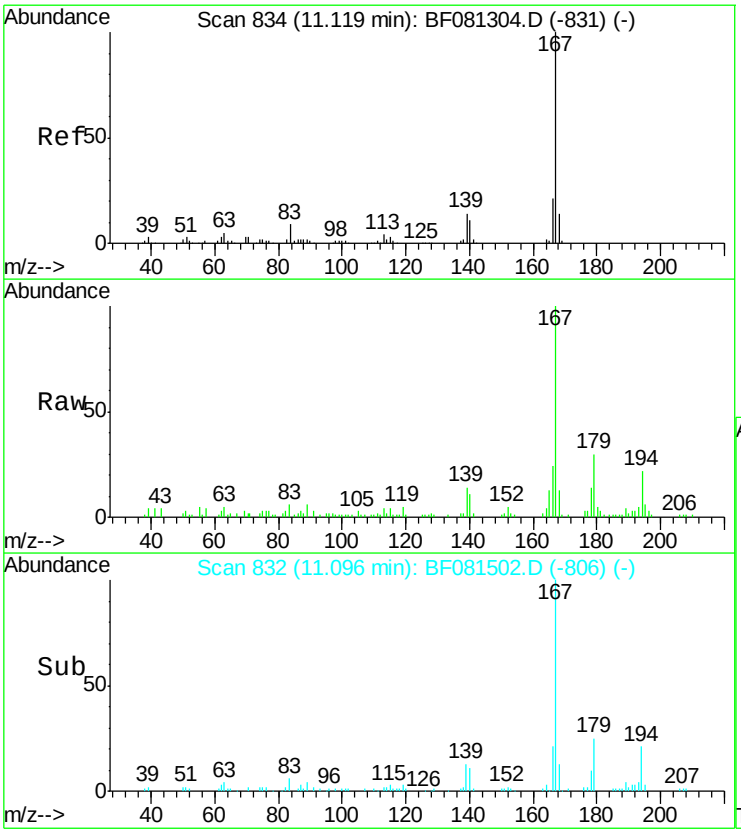
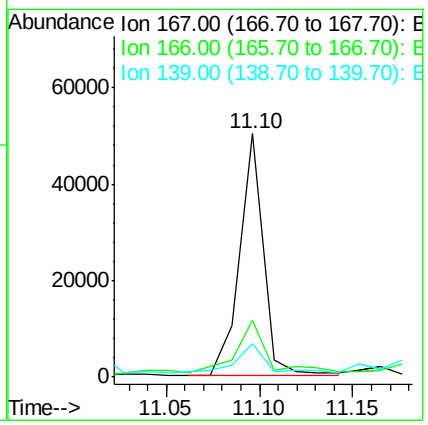
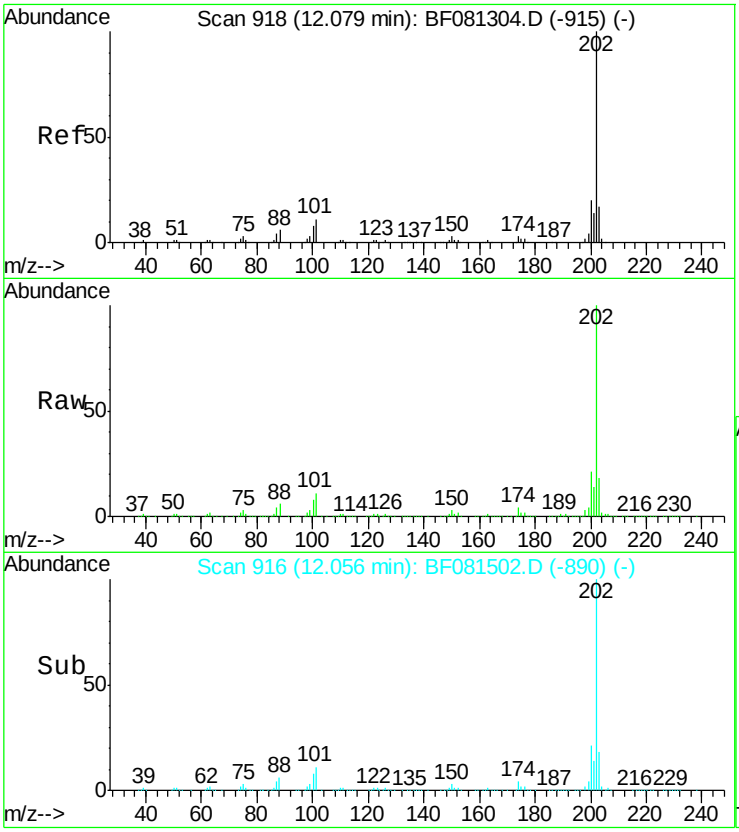


#72
Carbazole
Concen: 5.59 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:167 Resp: 45063

Ion	Ratio	Lower	Upper
167	100		
166	23.6	15.7	23.5#
139	14.0	9.5	14.3

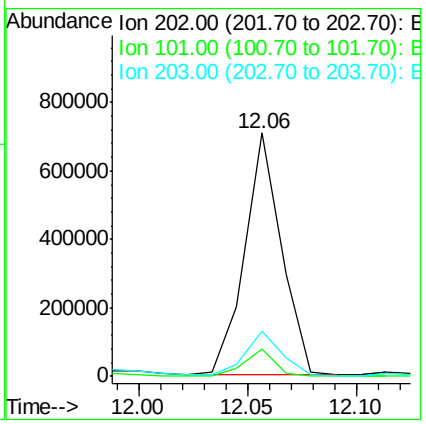




#74
Fluoranthene
Concen: 92.25 ng
RT: 12.06 min Scan# 916
Delta R.T. -0.00 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:202 Resp: 835724

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	38.3
203	18.4	0.0	37.3



Instrument :
BNA_F
ClientSampleId :
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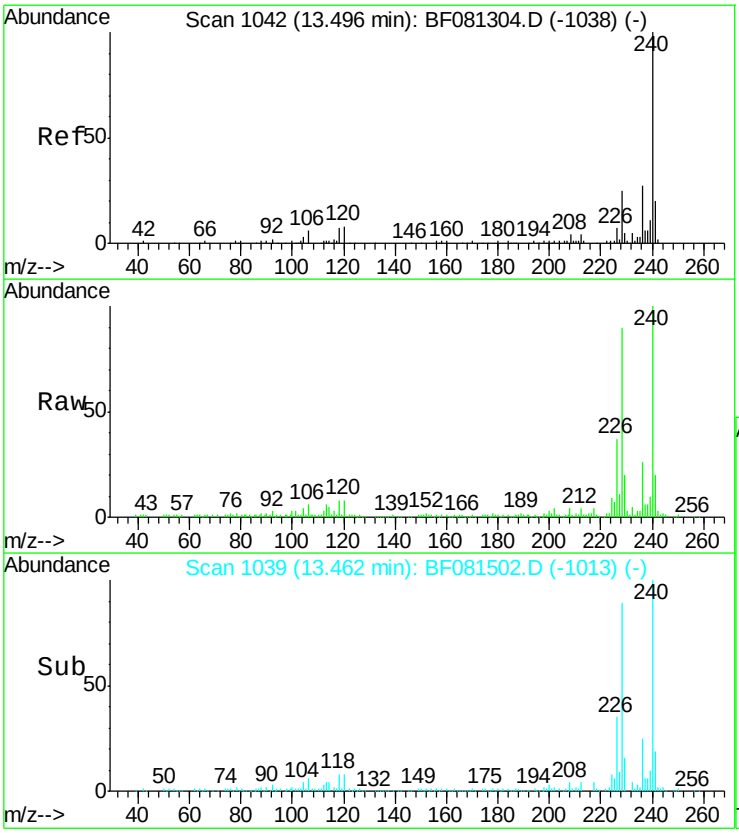
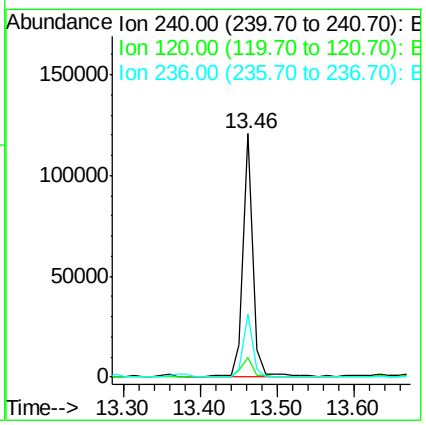
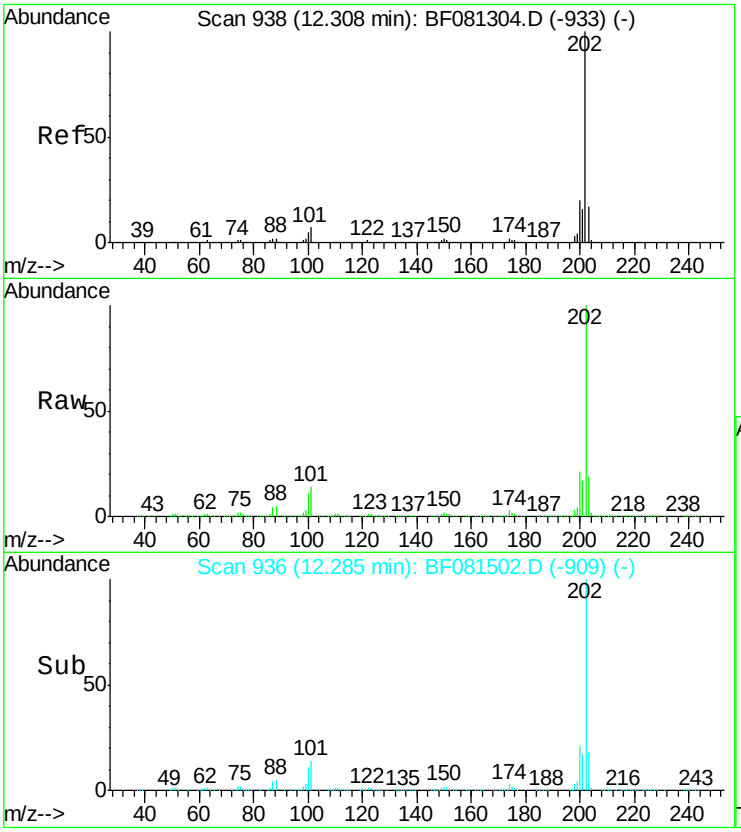


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.46 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:240 Resp: 106644

Ion	Ratio	Lower	Upper
240	100		
120	8.1	16.2	24.2#
236	25.7	18.4	27.6

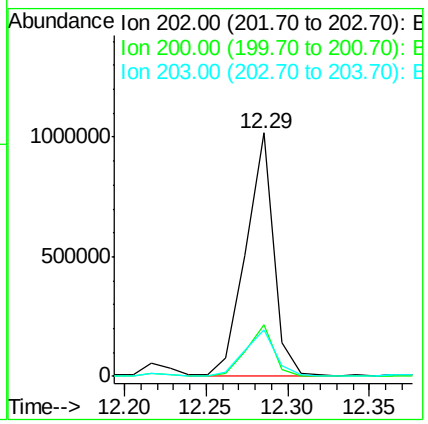




#77
Pyrene
Concen: 150.71 ng
RT: 12.29 min Scan# 936
Delta R.T. 0.01 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:202 Resp: 1190529

Ion	Ratio	Lower	Upper
202	100		
200	21.1	15.0	22.4
203	18.9	14.1	21.1



Instrument :
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ClientSampleId :
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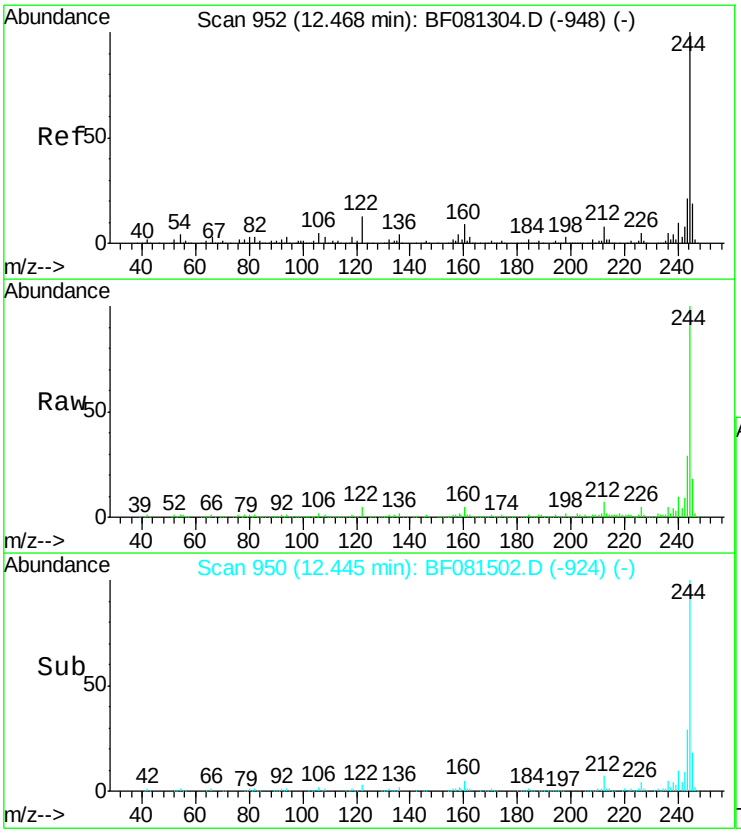
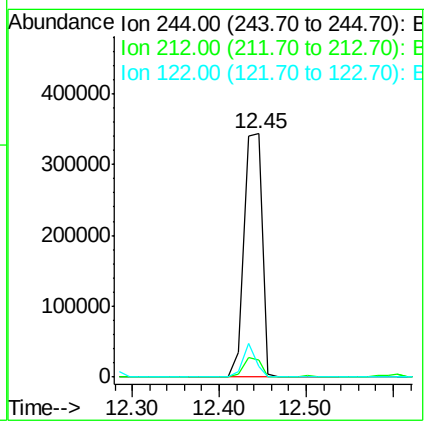
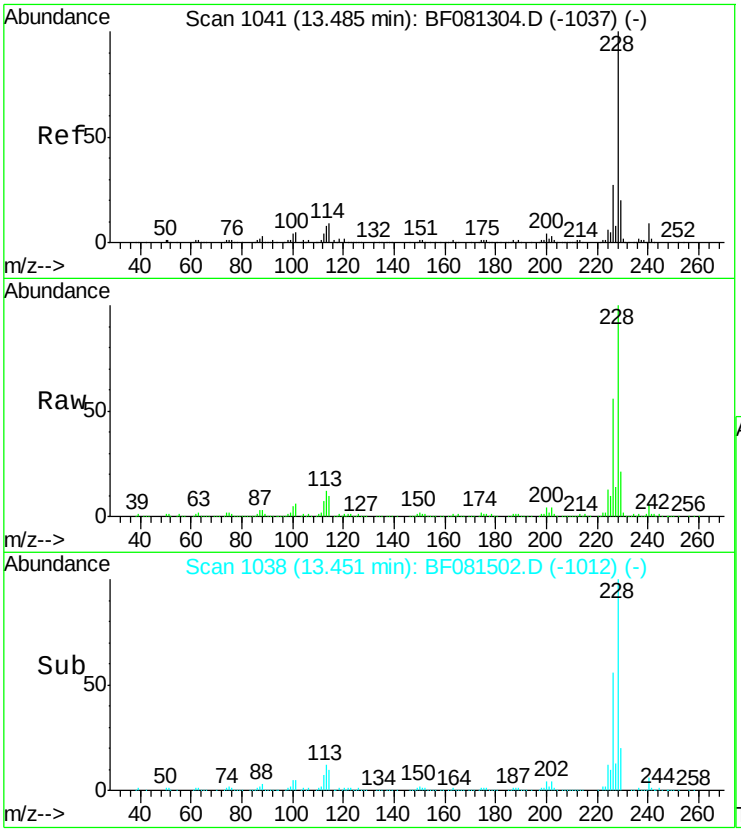


#78
Terphenyl-d14
Concen: 109.21 ng
RT: 12.45 min Scan# 950
Delta R.T. -0.00 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:244 Resp: 500330

Ion	Ratio	Lower	Upper
244	100		
212	6.8	4.3	6.5#
122	4.5	17.4	26.2#





#80
Benzo(a)anthracene
Concen: 50.98 ng
RT: 13.45 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:228 Resp: 346203

Ion	Ratio	Lower	Upper
228	100		
226	56.3	20.0	30.0#
229	21.3	15.4	23.2

Instrument :
BNA_F
ClientSampleId :
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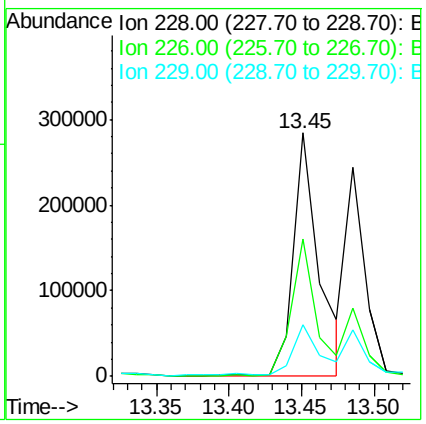
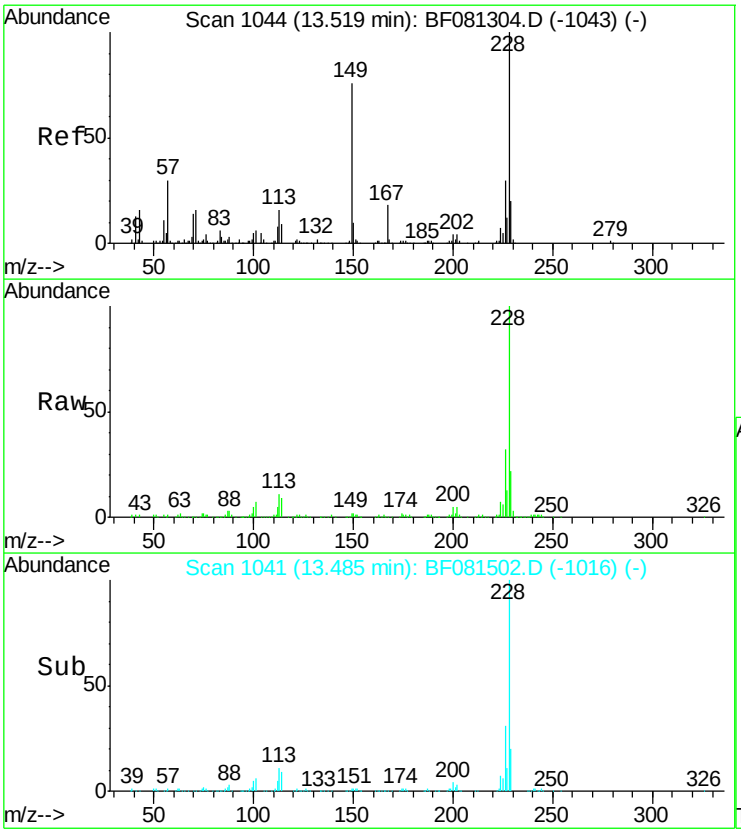
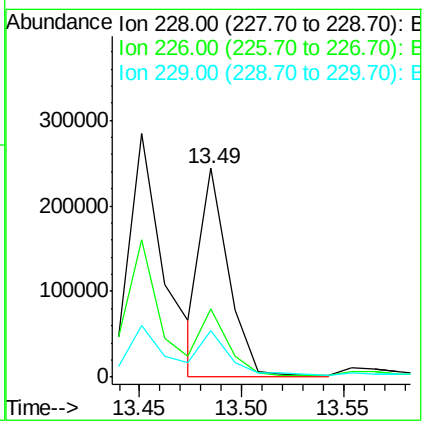


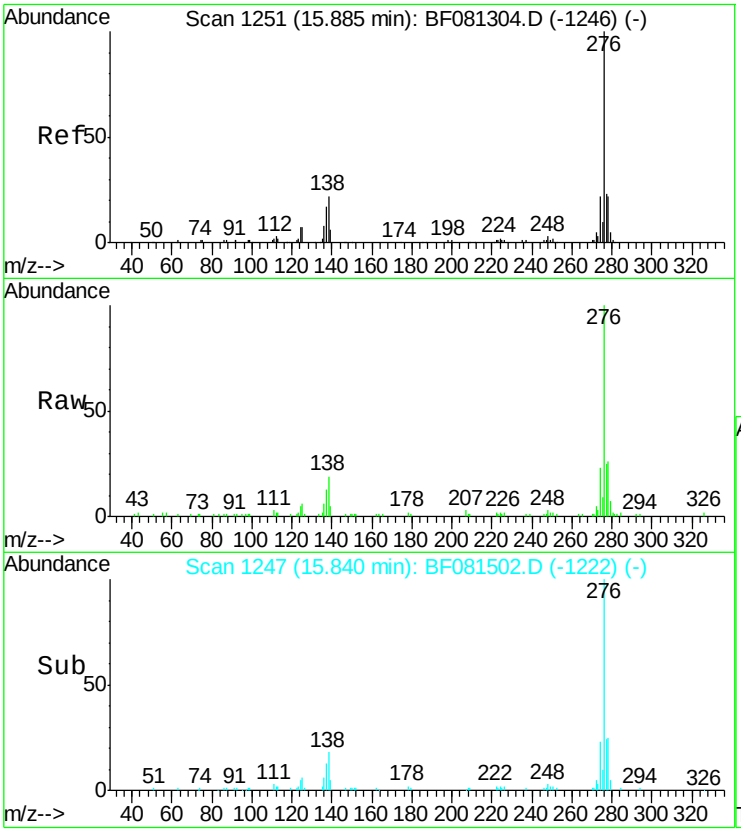


#82
Chrysene
Concen: 37.82 ng m
RT: 13.49 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:228 Resp: 230230

Ion	Ratio	Lower	Upper
228	100		
226	32.5	21.0	31.4#
229	22.3	15.6	23.4





#85
Indeno(1,2,3-cd)pyrene
Concen: 13.94 ng
RT: 15.84 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:276 Resp: 62273

Ion	Ratio	Lower	Upper
276	100		
138	20.2	25.7	38.5#
277	24.9	15.6	23.4#

Instrument :
BNA_F
ClientSampleId :
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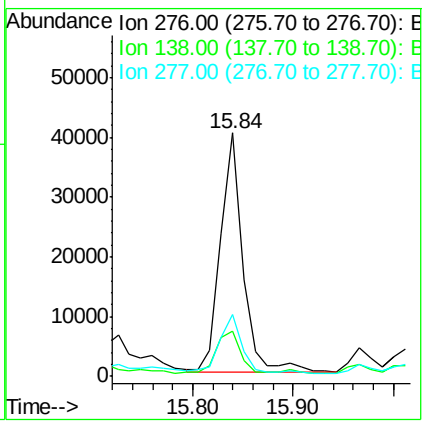
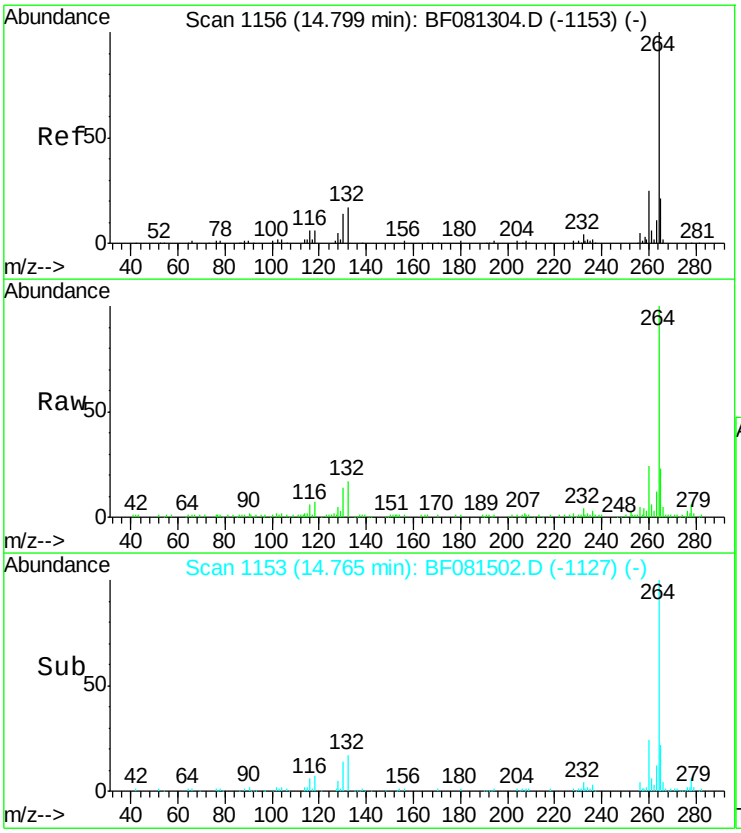
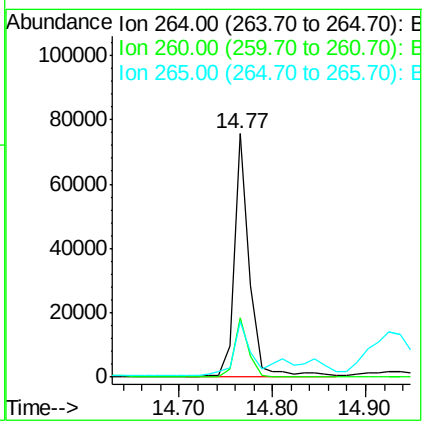


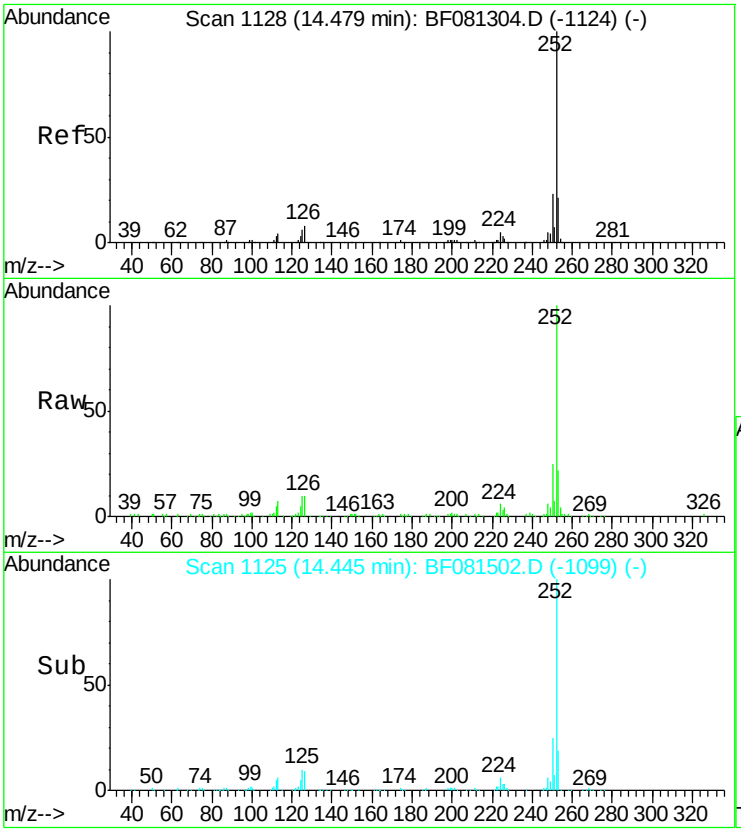


#86
Perylene-d12
Concen: 20.00 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:264 Resp: 85905

Ion	Ratio	Lower	Upper
264	100		
260	24.4	16.7	25.1
265	22.6	17.2	25.8





#87
Benzo(b)fluoranthene
Concen: 27.60 ng m
RT: 14.45 min Scan# 1125
Delta R.T. -0.00 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:252 Resp: 169244

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.3	17.1	25.7#

Instrument :
BNA_F
ClientSampleId :
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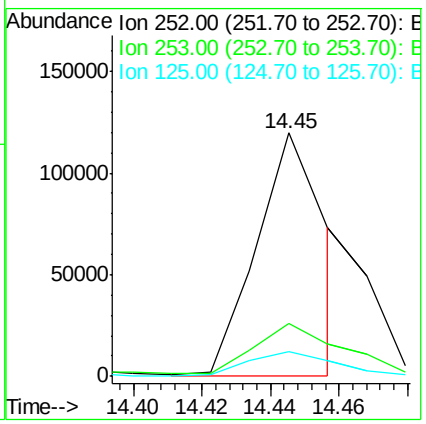
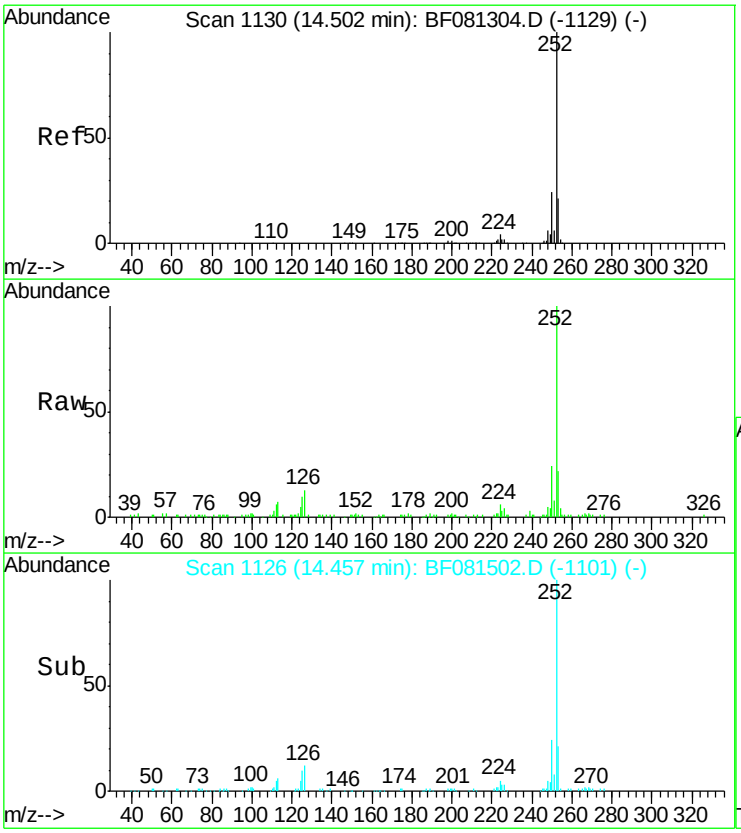
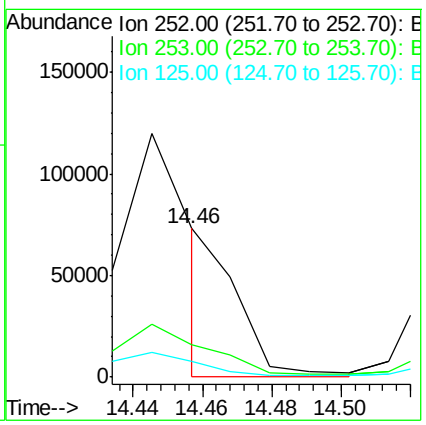


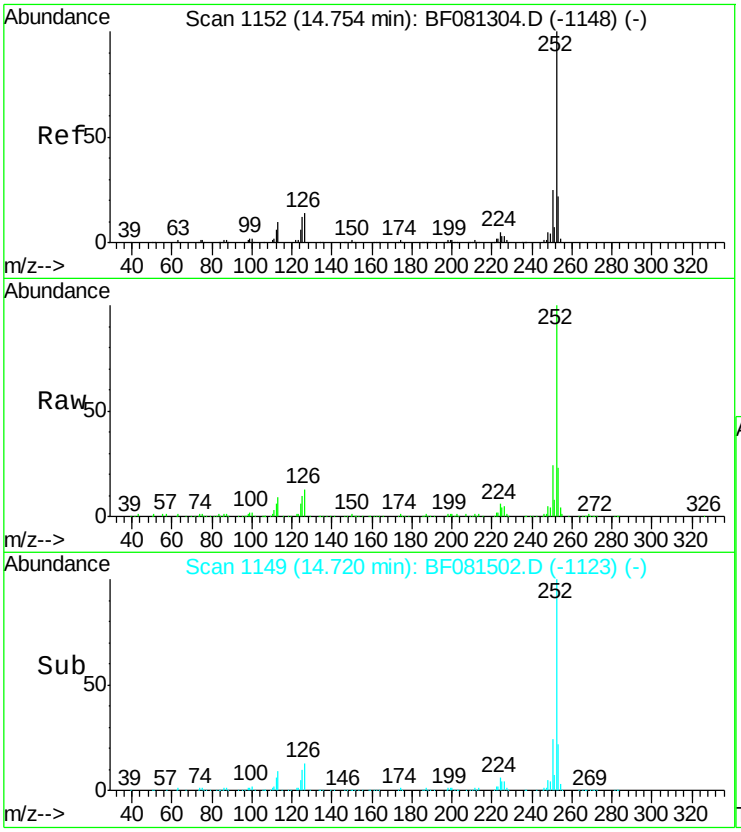


#88
Benzo(k)fluoranthene
Concen: 8.03 ng m
RT: 14.46 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:252 Resp: 40862

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.4
125	10.4	16.0	24.0#

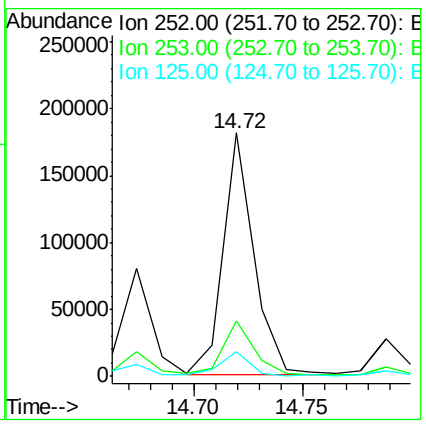




#89
Benzo(a)pyrene
Concen: 34.22 ng
RT: 14.72 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:252 Resp: 177831

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	10.1	18.0	27.0#



Instrument :
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ClientSampleId :
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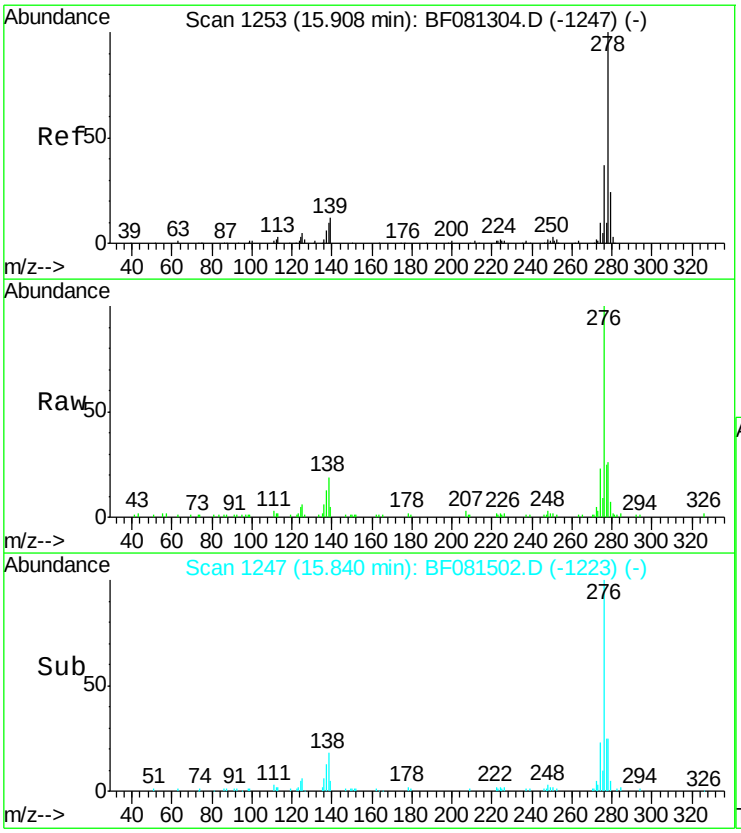
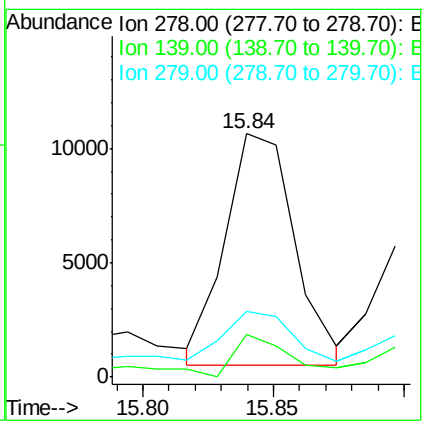
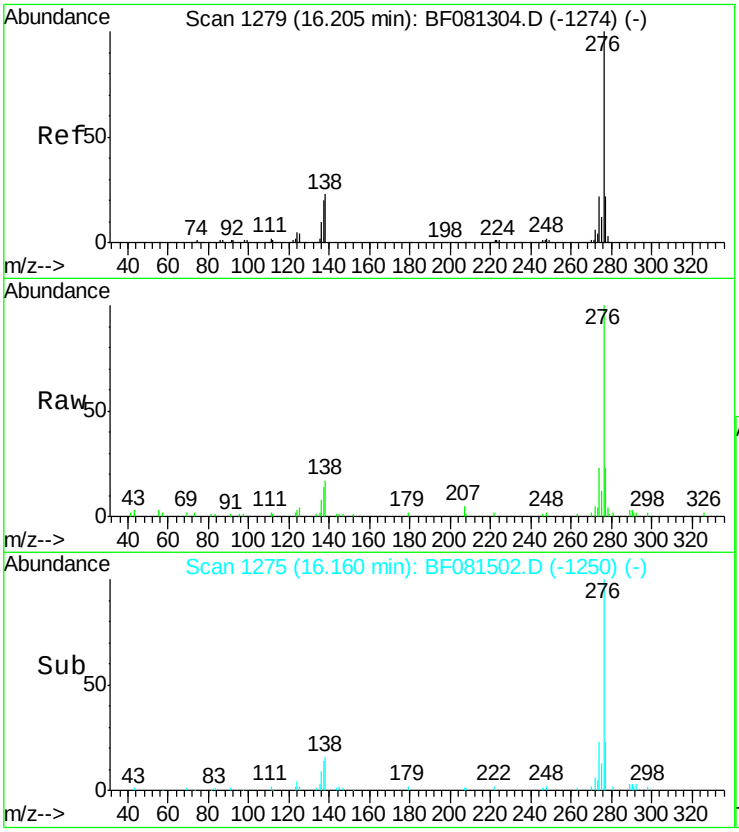


#90
Dibenzo(a,h)anthracene
Concen: 4.71 ng
RT: 15.84 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:278 Resp: 18931

Ion	Ratio	Lower	Upper
278	100		
139	17.6	26.3	39.5#
279	27.2	18.2	27.4

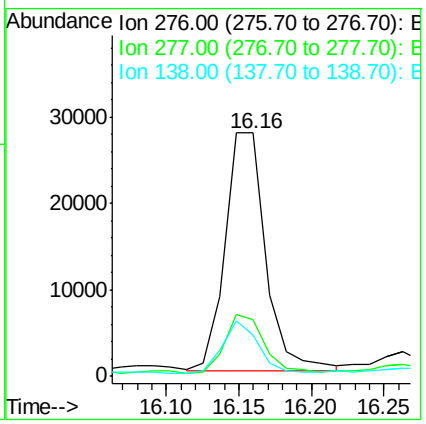




#91
Benzo(g,h,i)perylene
Concen: 13.95 ng
RT: 16.16 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BF081502.D
Acq: 6 Sep 2015 11:13

Tgt Ion:276 Resp: 53475

Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.8	26.6
138	17.2	34.6	51.8#



Instrument :
BNA_F
ClientSampleId :
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