Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081503.D
Acq On : 6 Sep 2015 11:43
Operator : UM/IZ
Sample : G3519-01
Misc :
ALS Vial : 78 Sample Multiplier: 1

Quant Time: Sep 08 12:24:27 2015
Quant Title :
QLast Update : Tue Sep 08 15:49:53 2015
Response via : Initial Calibration

Instrument : BNA_F
ClientSampleId : MGP208BR-7-8

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.36	152	57972	20.00	ng		0.00
21) Naphthalene-d8	7.64	136	194978	20.00	ng		-0.01
38) Acenaphthene-d10	9.40	164	85002	20.00	ng		0.01
63) Phenanthrene-d10	10.89	188	125373	20.00	ng		0.03
75) Chrysene-d12	13.50	240	109671	20.00	ng		0.03
86) Perylene-d12	14.81	264	103444	20.00	ng		0.05
System Monitoring Compounds							
5) 2-Fluorophenol	4.90	112	443018	118.57	ng		0.01
7) Phenol-d6	6.03	99	657178	132.87	ng		0.00
23) Nitrobenzene-d5	6.94	82	344577	85.26	ng		-0.01
41) 2,4,6-Tribromophenol	10.19	330	80553	106.43	ng		0.01
44) 2-Fluorobiphenyl	8.74	172	553151	83.39	ng		0.00
78) Terphenyl-d14	12.48	244	337059	71.54	ng		0.03
Target Compounds							Qvalue
12) 1,3-Dichlorobenzene	6.30	146	93140	21.17	ng	#	93
13) 1,4-Dichlorobenzene	6.38	146	493921	110.27	ng	#	87
14) 1,2-Dichlorobenzene	6.52	146	13498m	3.35	ng		
30) 1,2,4-Trichlorobenzene	7.60	180	29811	10.02	ng		97
31) Naphthalene	7.67	128	73478	7.07	ng		97
37) 2-Methylnaphthalene	8.36	142	20521	3.03	ng	#	69
45) 1,1'-Biphenyl	8.83	154	15783	2.02	ng		87
48) Acenaphthylene	9.26	152	144562	14.43	ng	#	91
49) Dimethylphthalate	9.14	163	92300	13.98	ng	#	97
51) Acenaphthene	9.43	154	90497	15.88	ng	#	90
57) Fluorene	9.95	166	103540	16.39	ng	#	82
70) Phenanthrene	10.91	178	351774	50.47	ng	#	92
71) Anthracene	10.96	178	109269	15.26	ng	#	72
74) Fluoranthene	12.10	202	561070	74.36	ng		92
77) Pyrene	12.33	202	694109	85.44	ng		98
80) Benzo(a)anthracene	13.50	228	337921	48.38	ng	#	87
82) Chrysene	13.53	228	304879m	48.70	ng		
83) Bis(2-ethylhexyl)phthalate	13.52	149	22255	4.77	ng		91
85) Indeno(1,2,3-cd)pyrene	15.91	276	120962	26.33	ng	#	81
87) Benzo(b)fluoranthene	14.49	252	315747m	42.75	ng		
88) Benzo(k)fluoranthene	14.49	252	137849m	22.50	ng		
89) Benzo(a)pyrene	14.77	252	200600	32.05	ng		96
90) Dibenzo(a,h)anthracene	15.91	278	39757m	8.22	ng		
91) Benzo(g,h,i)perylene	16.23	276	108525	23.51	ng	#	76

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

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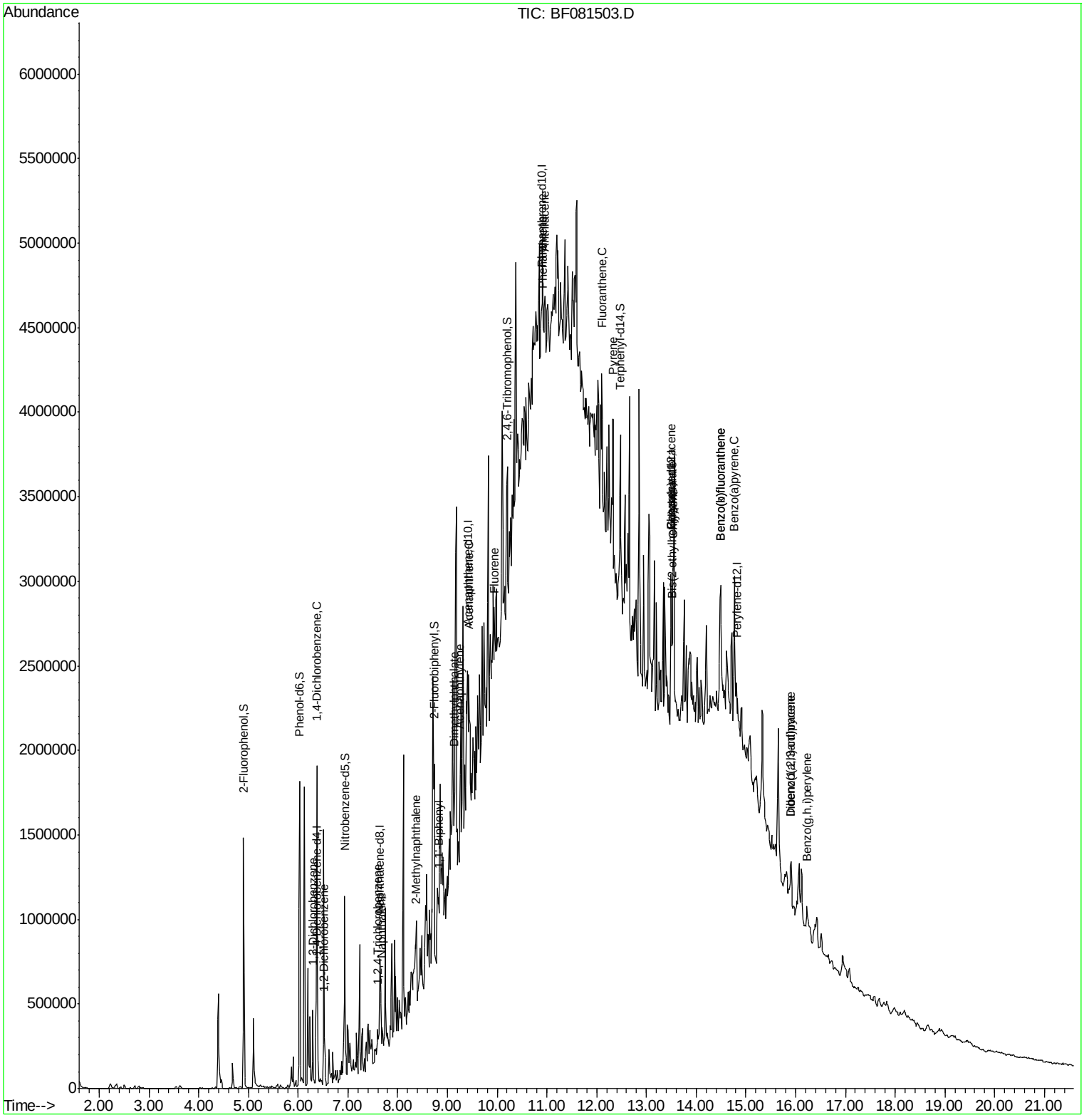
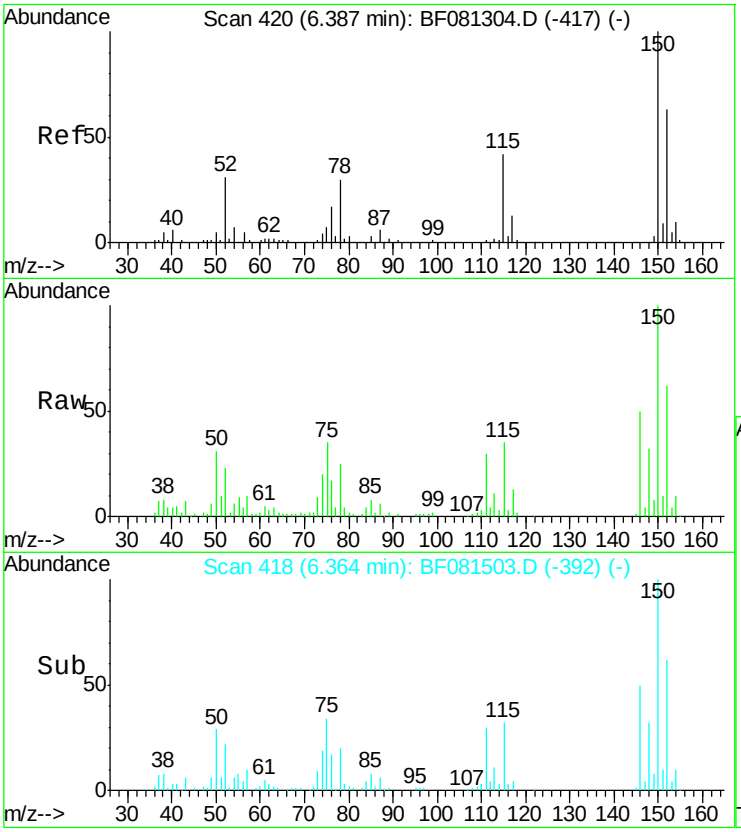
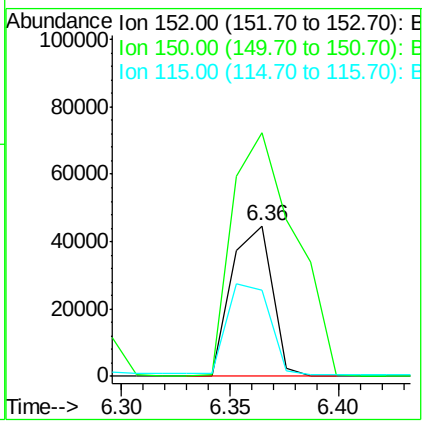




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.36 min Scan# 418
Delta R.T. -0.00 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:152 Resp: 57972

Ion	Ratio	Lower	Upper
152	100		
150	161.9	124.7	187.1
115	57.1	39.0	58.4



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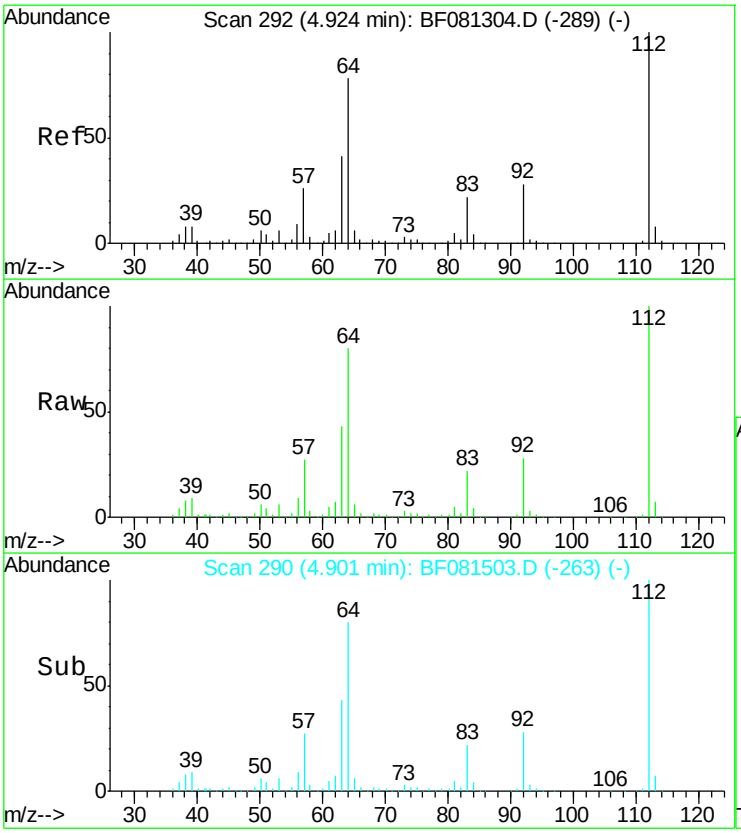
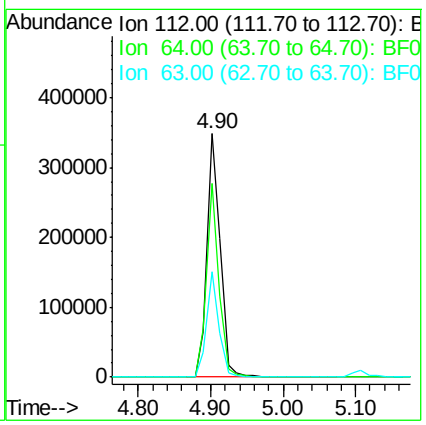
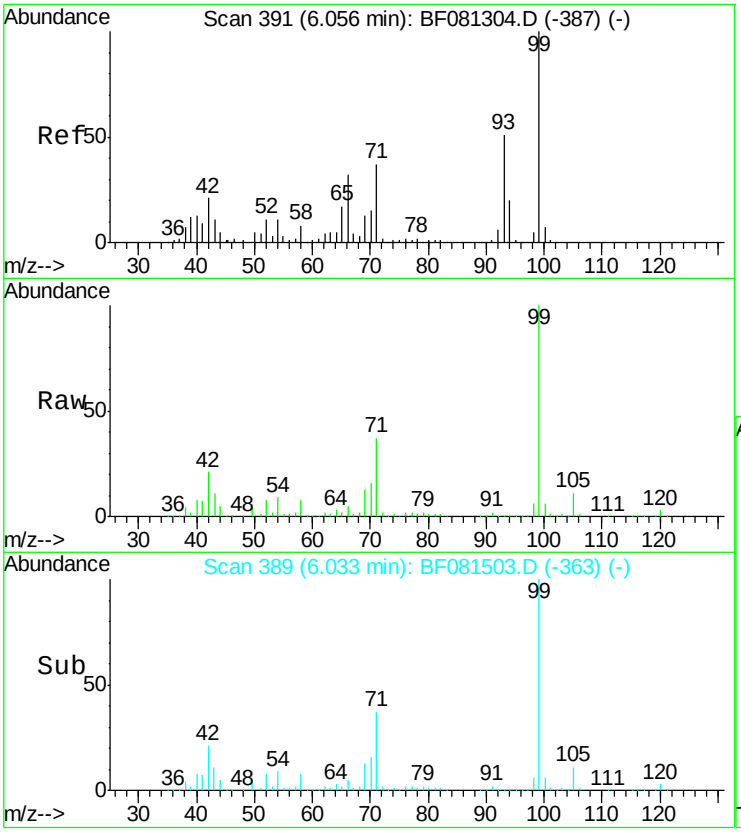


#5
2-Fluorophenol
Concen: 118.57 ng
RT: 4.90 min Scan# 290
Delta R.T. 0.01 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:112 Resp: 443018

Ion	Ratio	Lower	Upper
112	100		
64	79.7	39.7	59.5#
63	43.5	17.4	26.0#





#7
Phenol-d6
Concen: 132.87 ng
RT: 6.03 min Scan# 389
Delta R.T. -0.00 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion: 99 Resp: 657178

Ion	Ratio	Lower	Upper
99	100		
42	20.7	13.7	20.5#
71	36.5	14.2	21.2#

Instrument :
BNA_F
ClientSampleId :
MGP208BR-7-8

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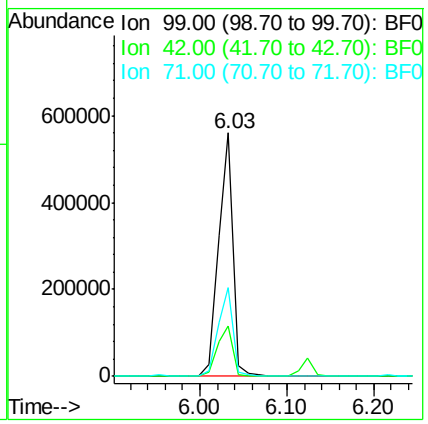
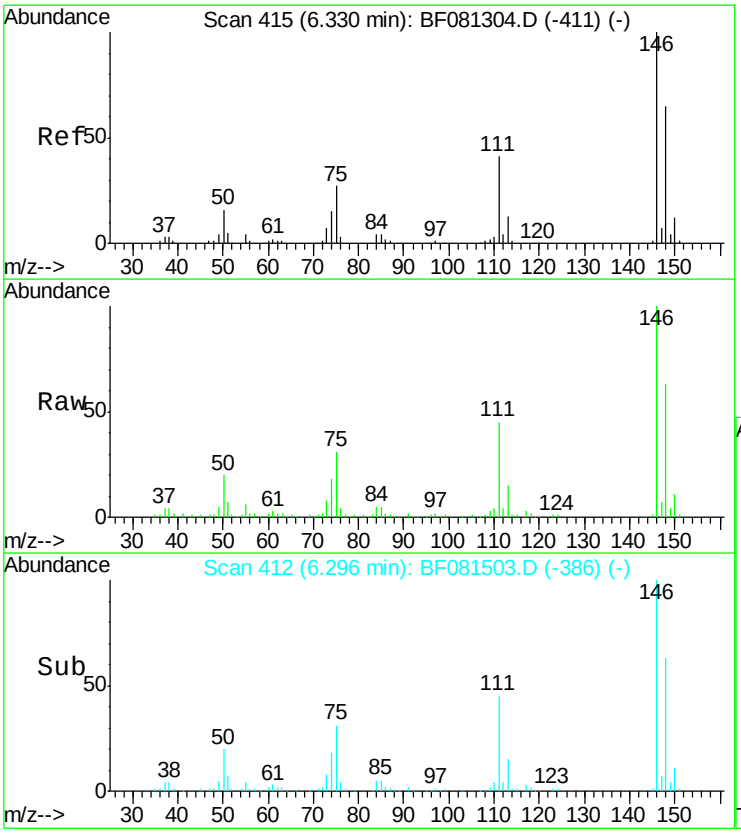
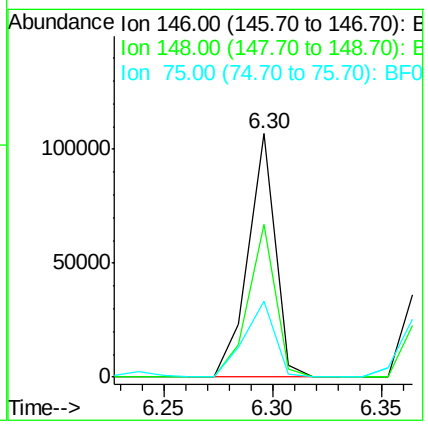


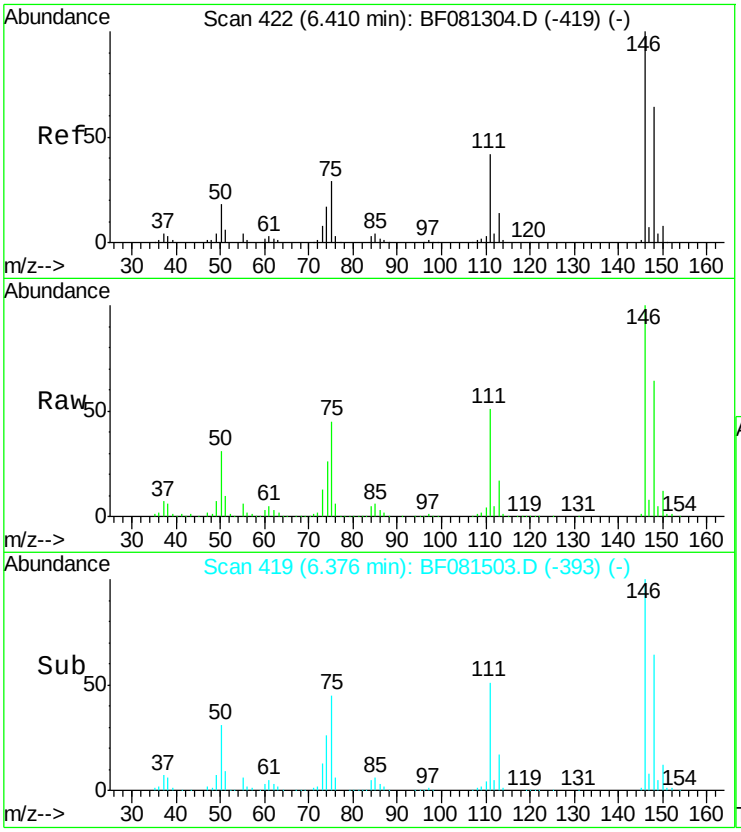


#12
1,3-Dichlorobenzene
Concen: 21.17 ng
RT: 6.30 min Scan# 412
Delta R.T. -0.00 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:146 Resp: 93140

Ion	Ratio	Lower	Upper
146	100		
148	62.8	51.0	76.4
75	31.3	15.0	22.6#

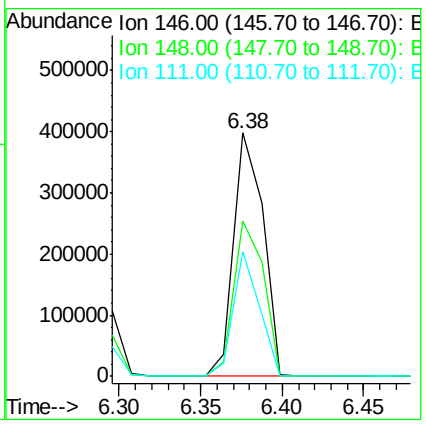




#13
1,4-Dichlorobenzene
Concen: 110.27 ng
RT: 6.38 min Scan# 419
Delta R.T. -0.00 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:146 Resp: 493921

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.8	77.6
111	50.9	24.9	37.3#



Instrument :
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ClientSampleId :
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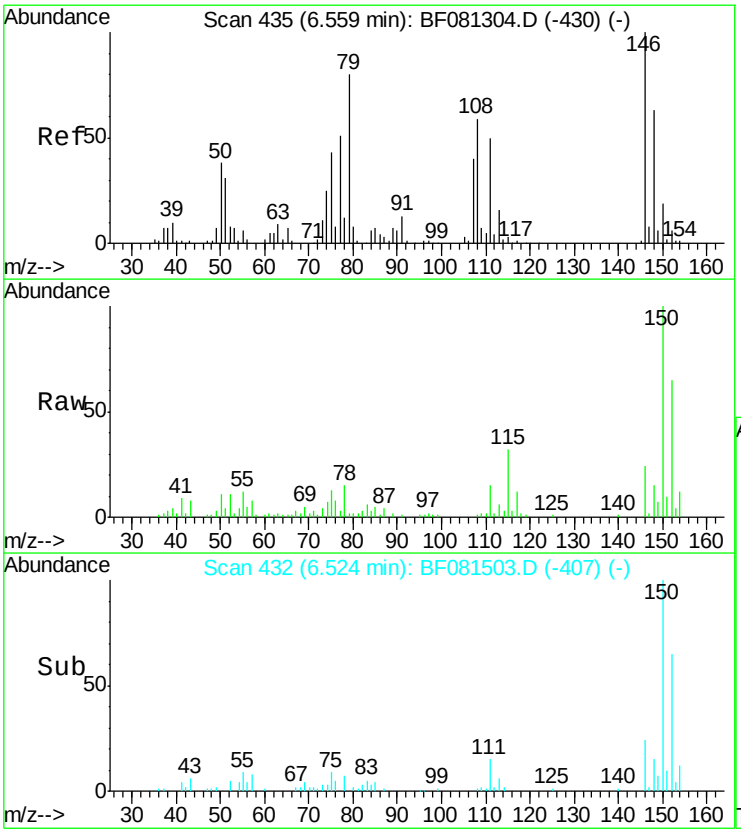
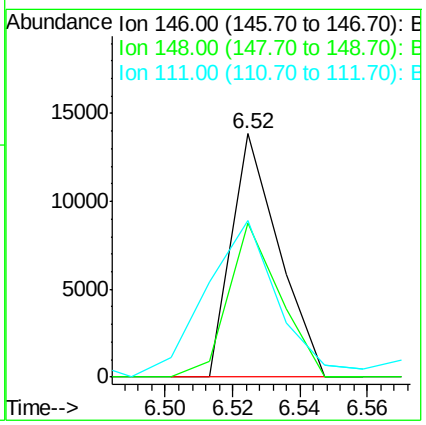
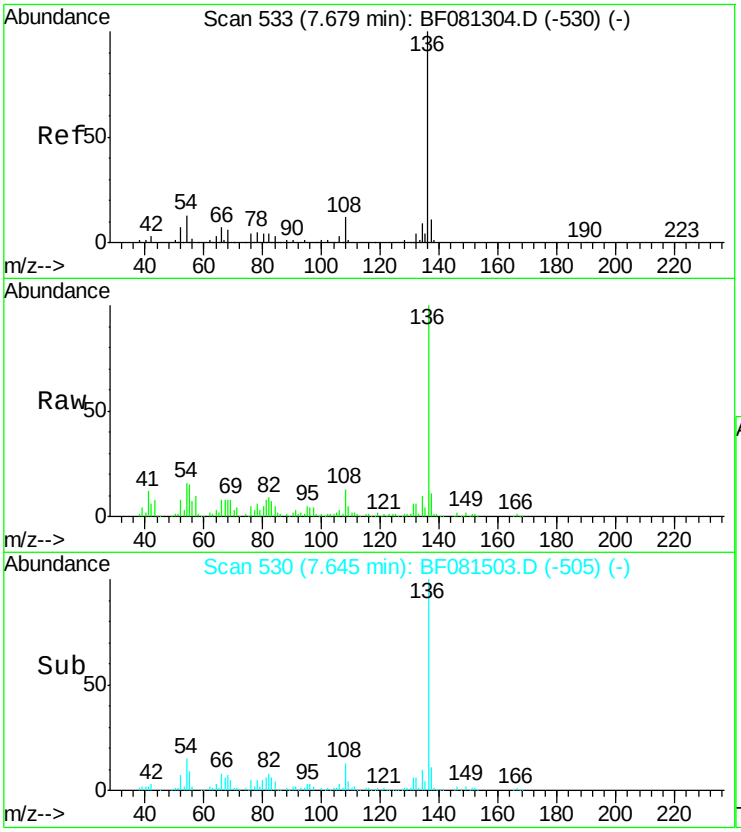


#14
1,2-Dichlorobenzene
Concen: 3.35 ng m
RT: 6.52 min Scan# 432
Delta R.T. -0.01 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:146 Resp: 13498

Ion	Ratio	Lower	Upper
146	100		
148	63.5	52.7	79.1
111	64.3	28.8	43.2#

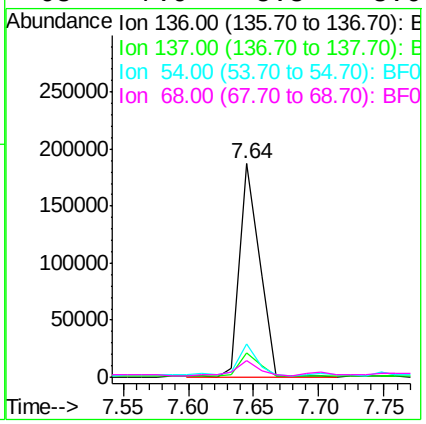




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.64 min Scan# 530
Delta R.T. -0.01 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:136 Resp: 194978

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.6
54	15.9	8.2	12.2#
68	7.9	5.8	8.6



Instrument :
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ClientSampleId :
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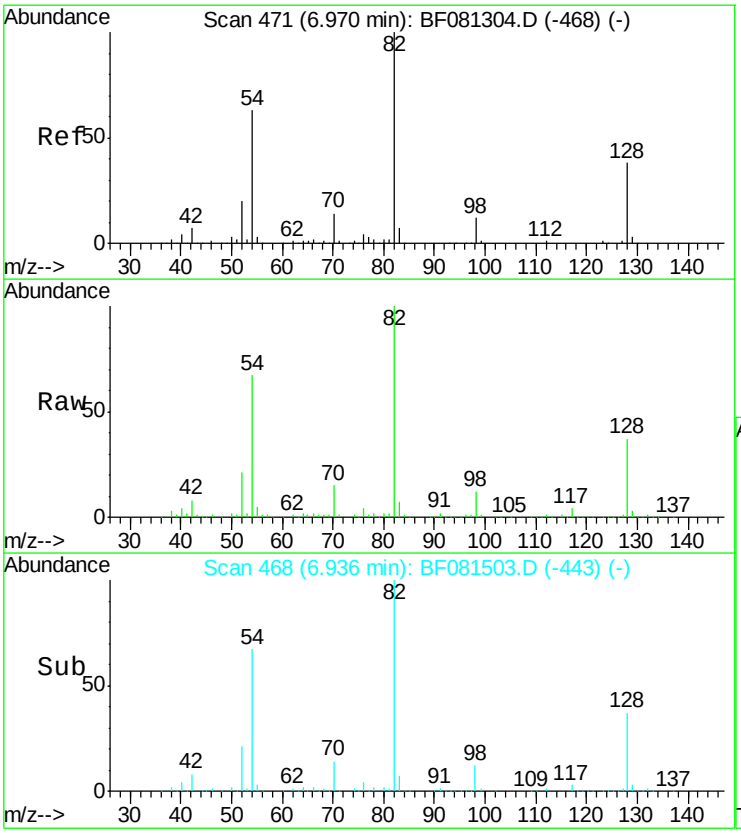
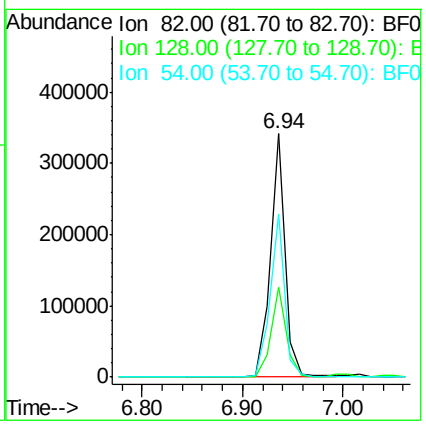
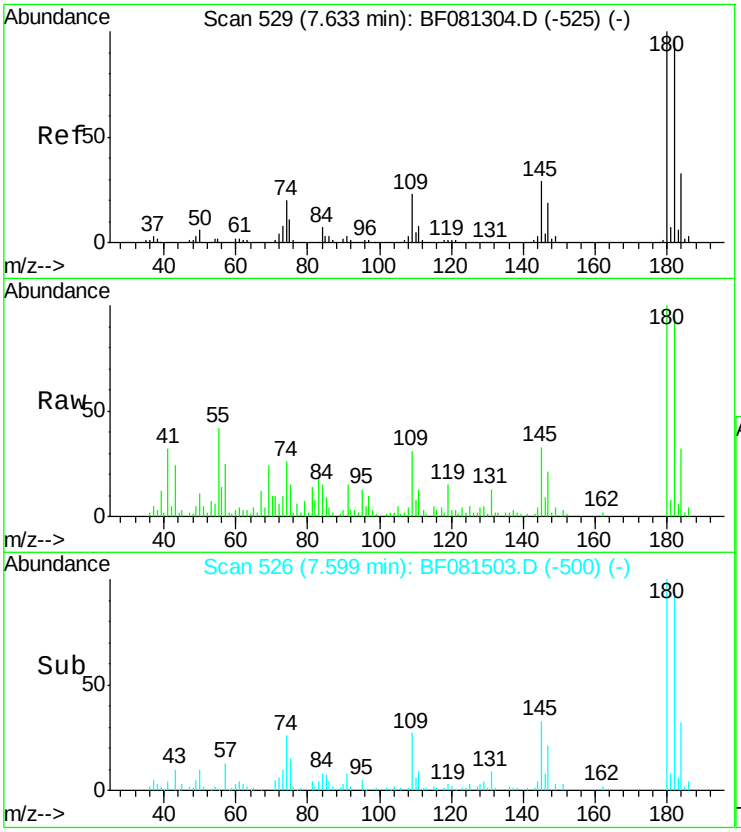


#23
Nitrobenzene-d5
Concen: 85.26 ng
RT: 6.94 min Scan# 468
Delta R.T. -0.01 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion: 82 Resp: 344577

Ion	Ratio	Lower	Upper
82	100		
128	36.8	51.0	76.6#
54	66.7	47.5	71.3

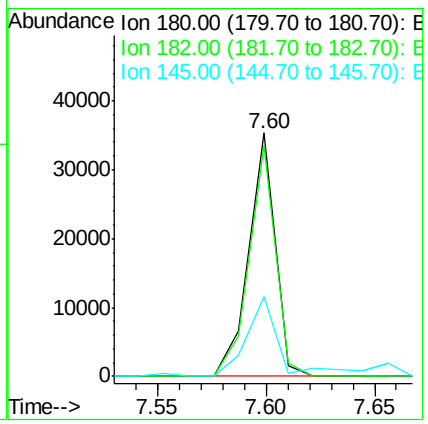




#30
1,2,4-Trichlorobenzene
Concen: 10.02 ng
RT: 7.60 min Scan# 526
Delta R.T. -0.00 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:180 Resp: 29811

Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.1	115.7
145	32.8	23.3	34.9



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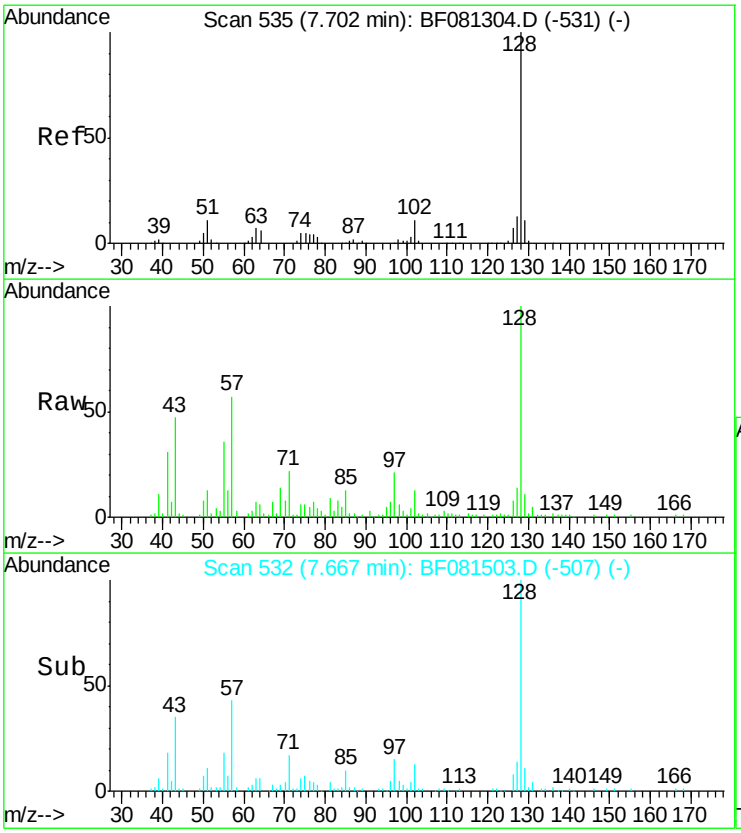
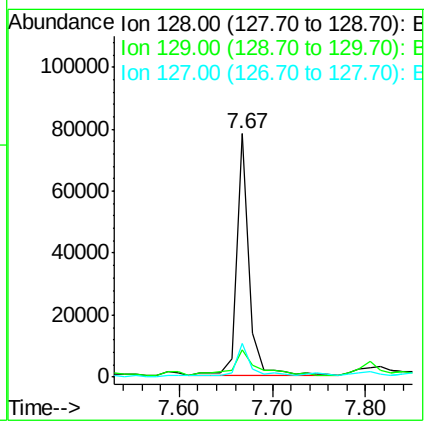
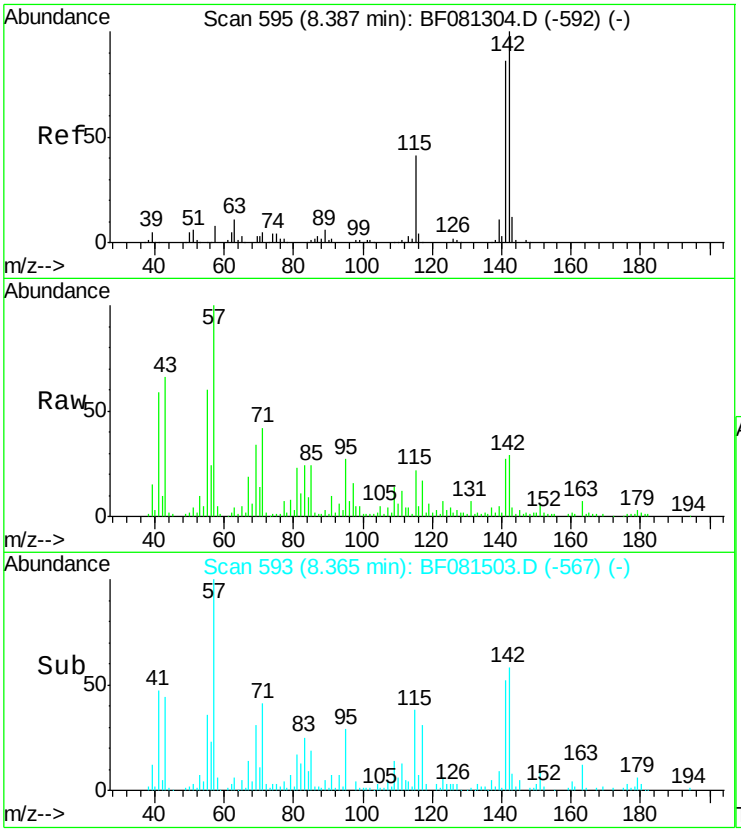


#31
Naphthalene
Concen: 7.07 ng
RT: 7.67 min Scan# 532
Delta R.T. -0.01 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:128 Resp: 73478

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.4	12.6
127	14.0	9.9	14.9

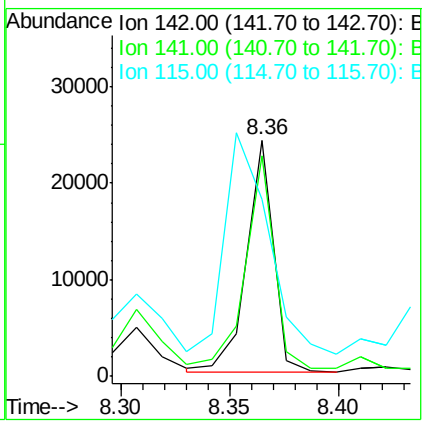




#37
2-Methylnaphthalene
Concen: 3.03 ng
RT: 8.36 min Scan# 593
Delta R.T. -0.00 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:142 Resp: 20521

Ion	Ratio	Lower	Upper
142	100		
141	93.4	67.5	101.3
115	75.2	18.2	27.2#



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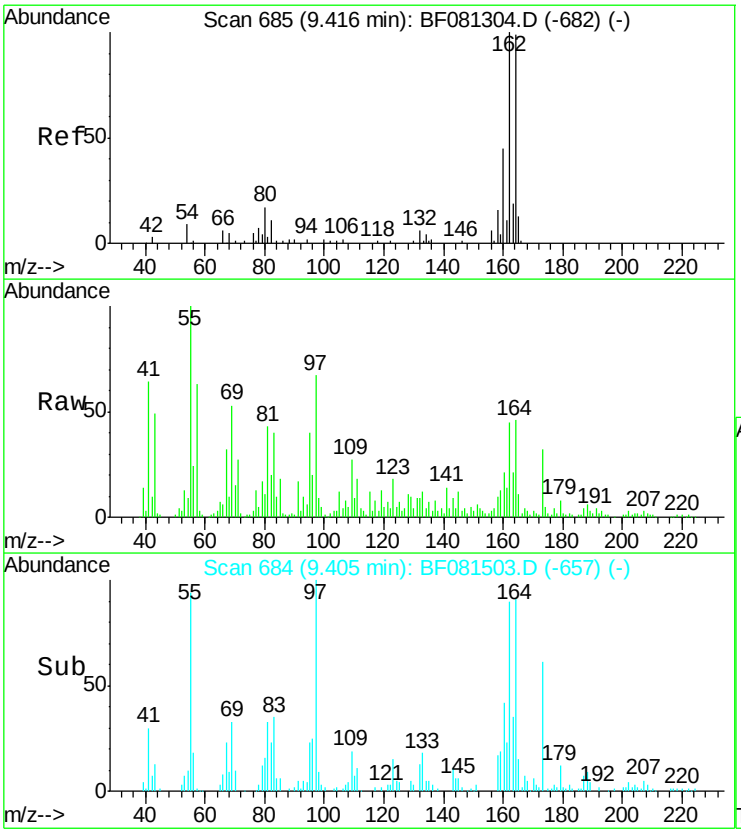
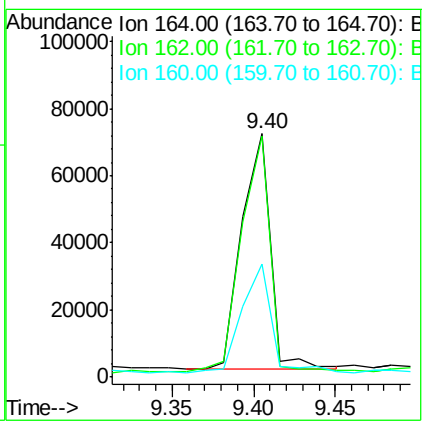
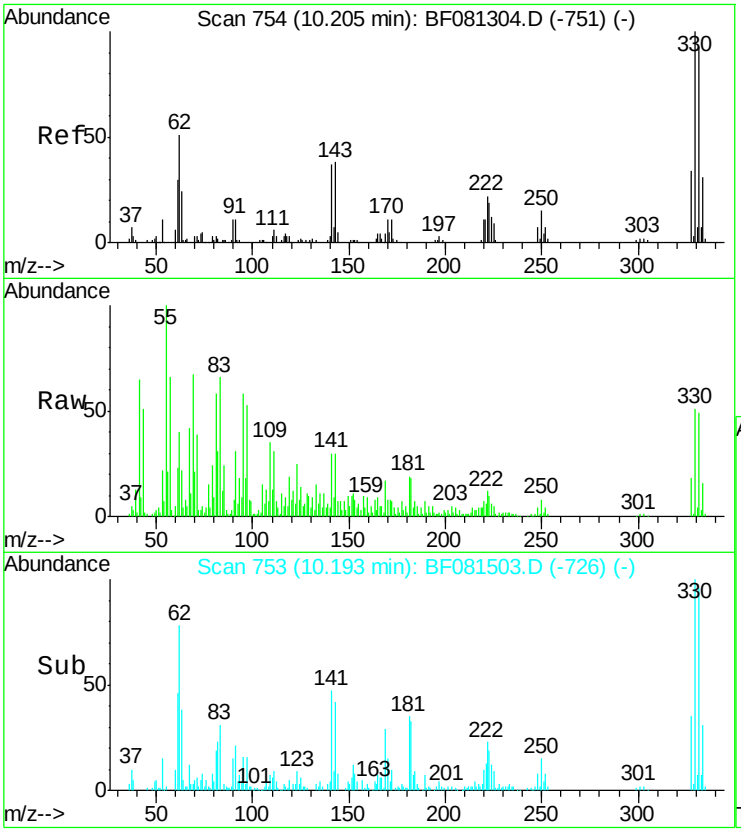


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.40 min Scan# 684
Delta R.T. 0.01 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:164 Resp: 85002

Ion	Ratio	Lower	Upper
164	100		
162	98.9	75.2	112.8
160	46.6	31.5	47.3

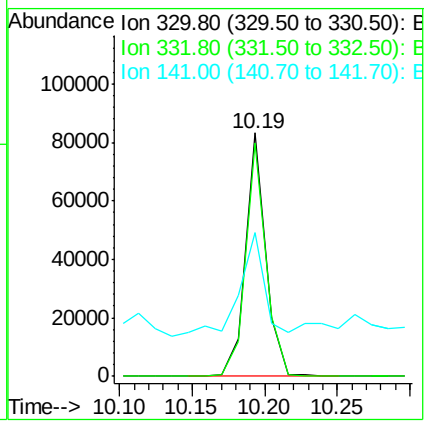




#41
2,4,6-Tribromophenol
Concen: 106.43 ng
RT: 10.19 min Scan# 753
Delta R.T. 0.01 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:330 Resp: 80553

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.6	114.8
141	51.9	29.7	44.5#



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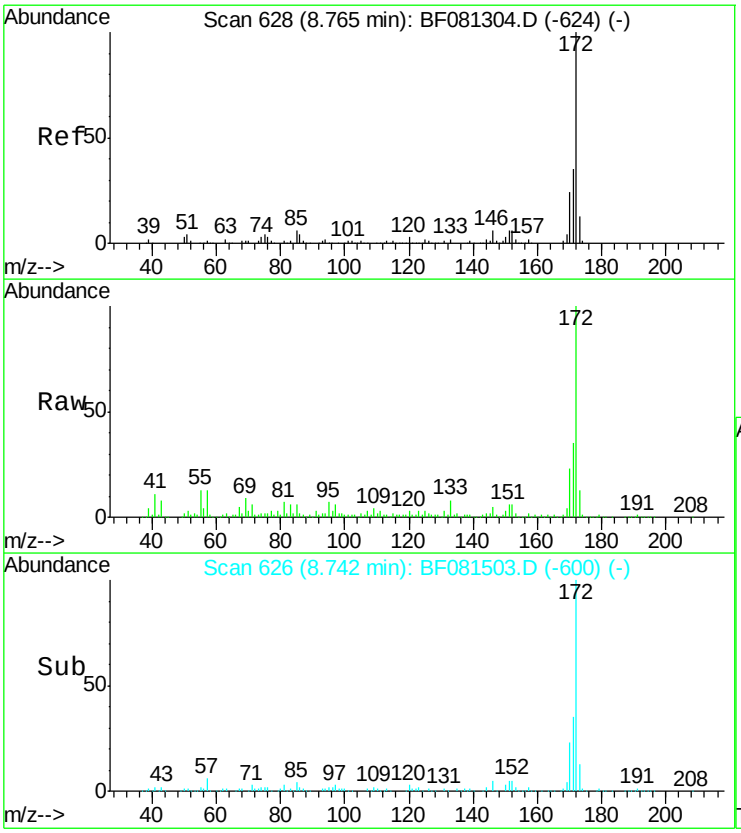
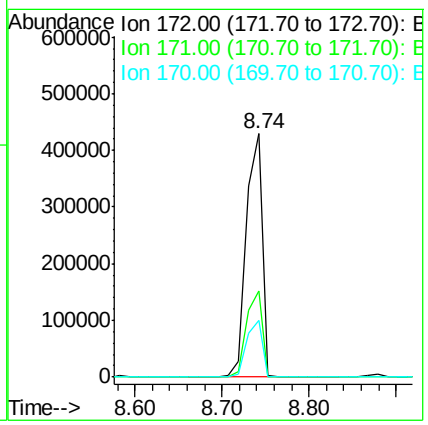
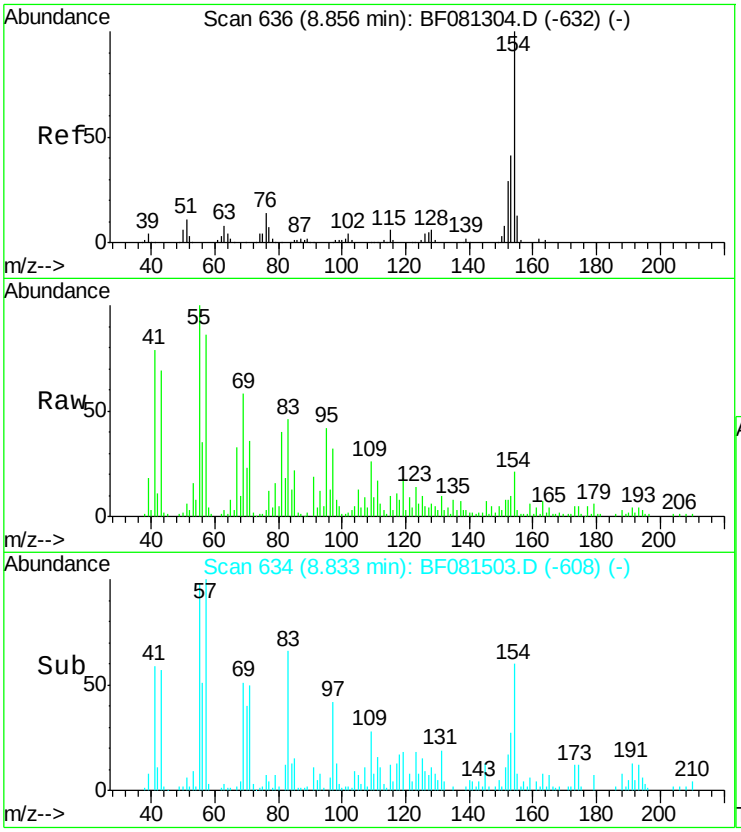


#44
2-Fluorobiphenyl
Concen: 83.39 ng
RT: 8.74 min Scan# 626
Delta R.T. -0.00 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:172 Resp: 553151

Ion	Ratio	Lower	Upper
172	100		
171	35.1	26.1	39.1
170	23.2	17.4	26.2

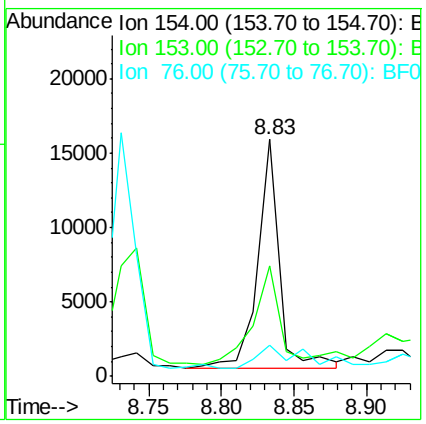




#45
1,1'-Biphenyl
Concen: 2.02 ng
RT: 8.83 min Scan# 634
Delta R.T. -0.00 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:154 Resp: 15783

Ion	Ratio	Lower	Upper
154	100		
153	46.7	17.1	57.1
76	13.3	0.0	31.6



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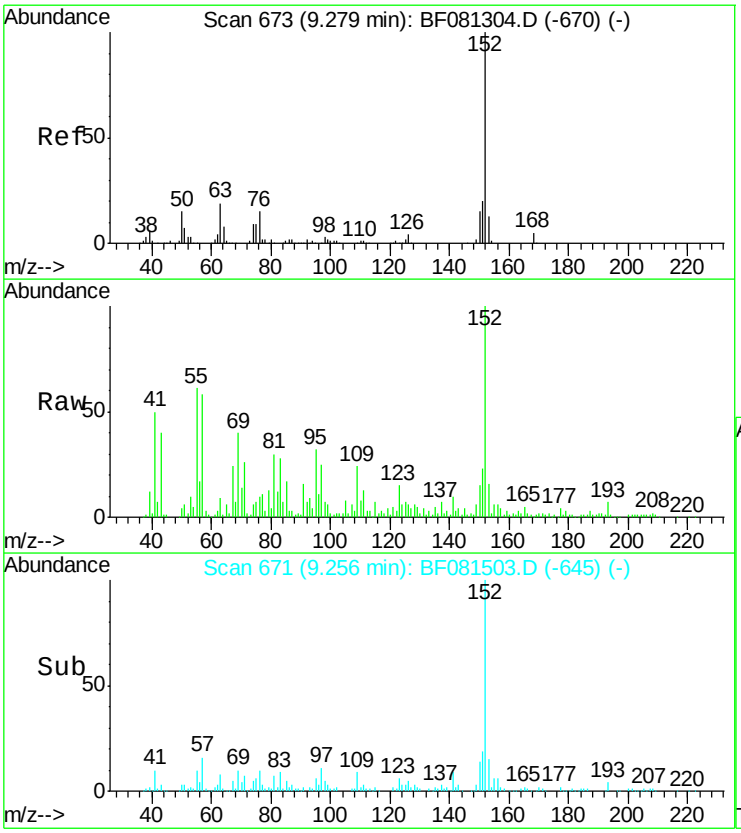
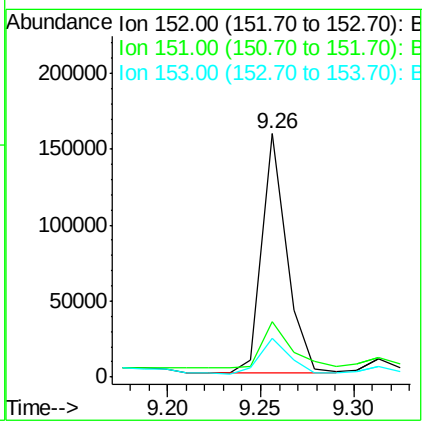
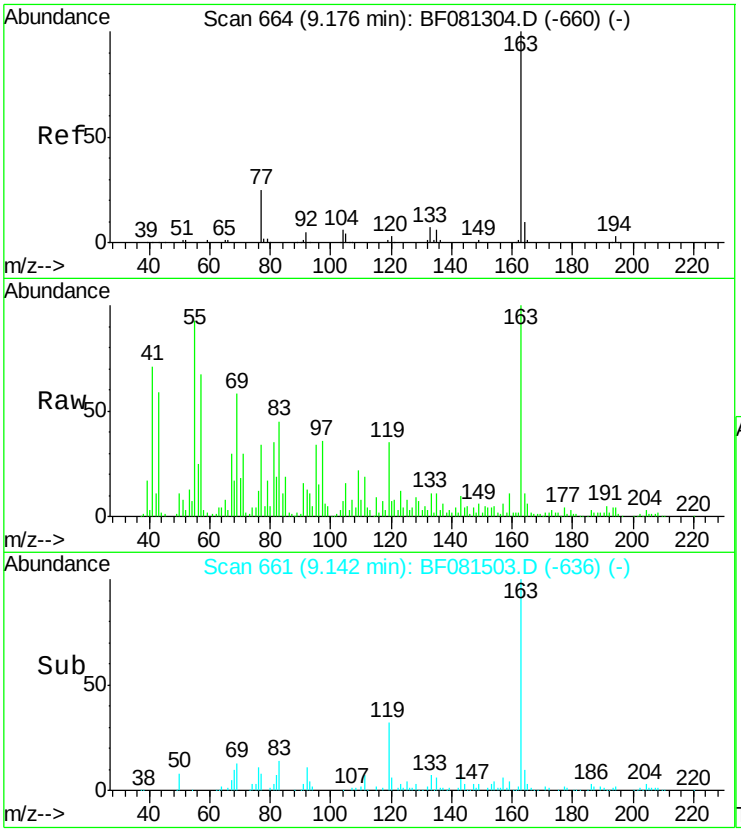


#48
Acenaphthylene
Concen: 14.43 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.00 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:152 Resp: 144562

Ion	Ratio	Lower	Upper
152	100		
151	22.7	14.6	22.0#
153	15.7	10.3	15.5#

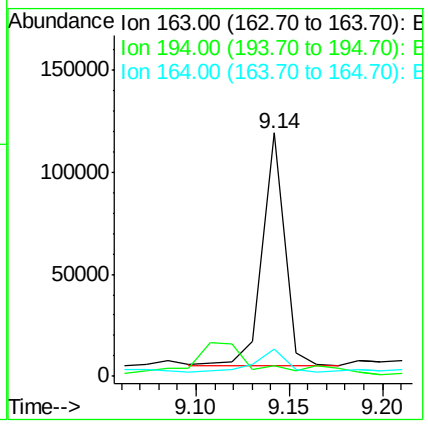




#49
Dimethylphthalate
Concen: 13.98 ng
RT: 9.14 min Scan# 661
Delta R.T. -0.01 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:163 Resp: 92300

Ion	Ratio	Lower	Upper
163	100		
194	4.2	4.4	6.6#
164	11.1	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
MGP208BR-7-8

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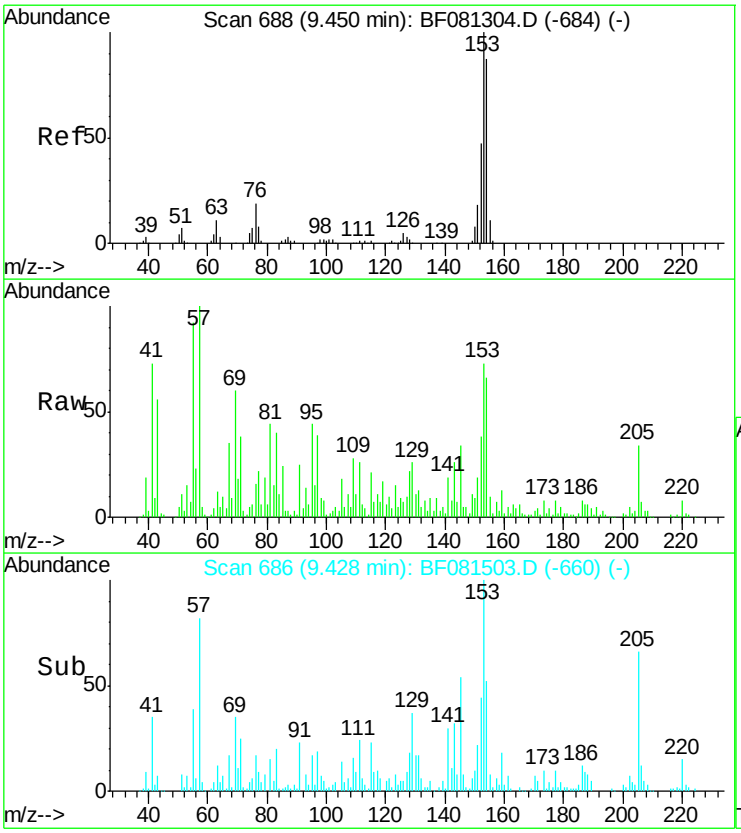
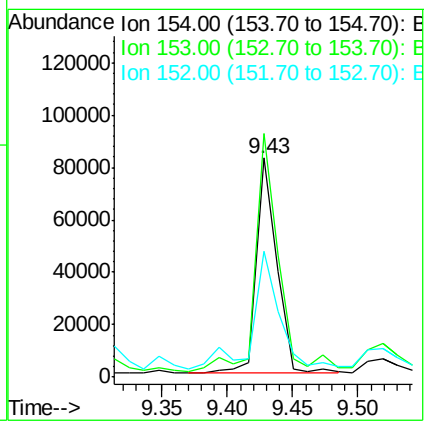
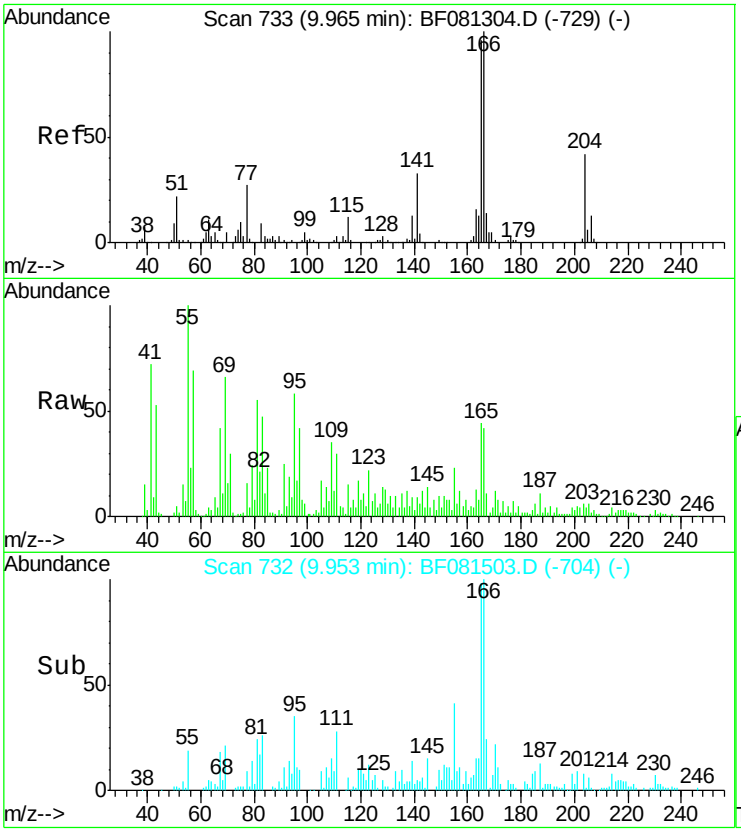


#51
Acenaphthene
Concen: 15.88 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.00 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:154 Resp: 90497

Ion	Ratio	Lower	Upper
154	100		
153	111.1	82.1	123.1
152	57.5	37.9	56.9#

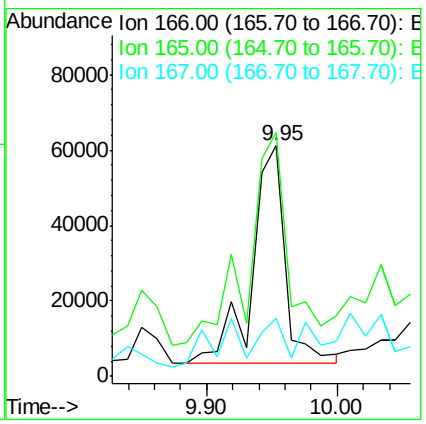




#57
Fluorene
Concen: 16.39 ng
RT: 9.95 min Scan# 732
Delta R.T. 0.02 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:166 Resp: 103540

Ion	Ratio	Lower	Upper
166	100		
165	105.7	72.6	109.0
167	25.2	10.6	16.0#



Instrument :
BNA_F
ClientSampleId :
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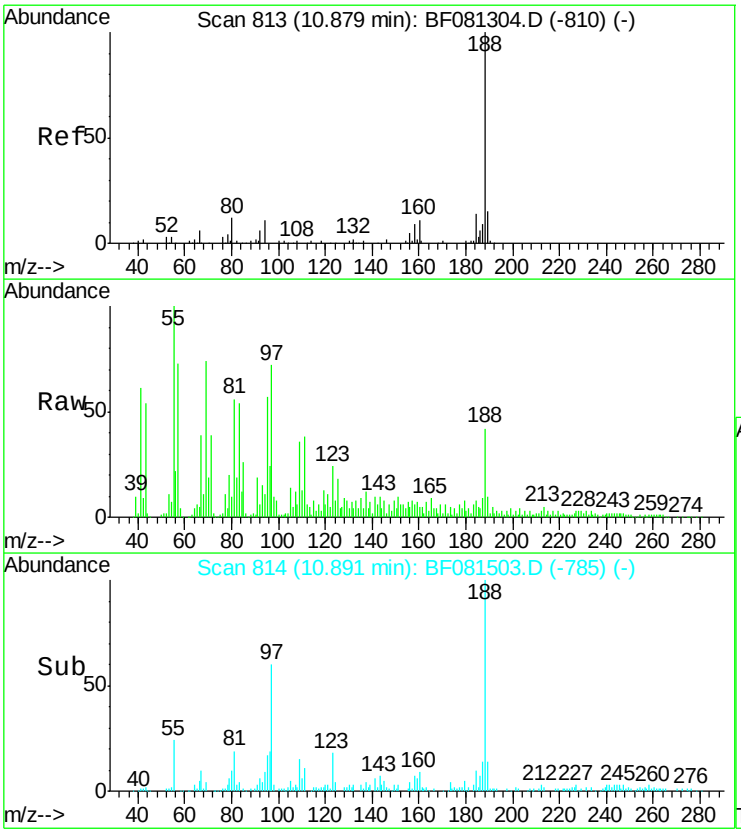
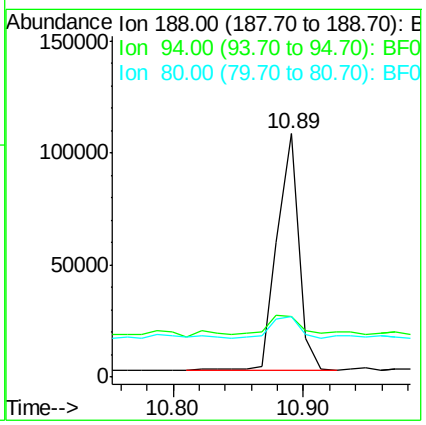
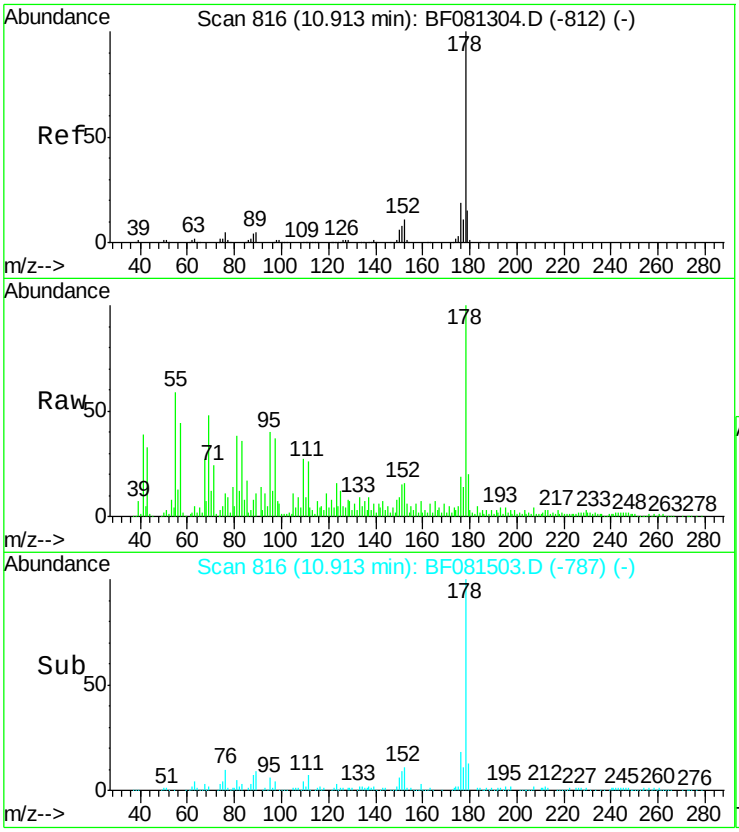


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.89 min Scan# 814
Delta R.T. 0.03 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:188 Resp: 125373

Ion	Ratio	Lower	Upper
188	100		
94	25.0	11.1	16.7#
80	24.9	11.0	16.4#





#70
Phenanthrene
Concen: 50.47 ng
RT: 10.91 min Scan# 816
Delta R.T. 0.03 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:178 Resp: 351774

Ion	Ratio	Lower	Upper
178	100		
176	19.4	13.8	20.8
179	19.6	12.2	18.2#

Instrument :
BNA_F
ClientSampleId :
MGP208BR-7-8

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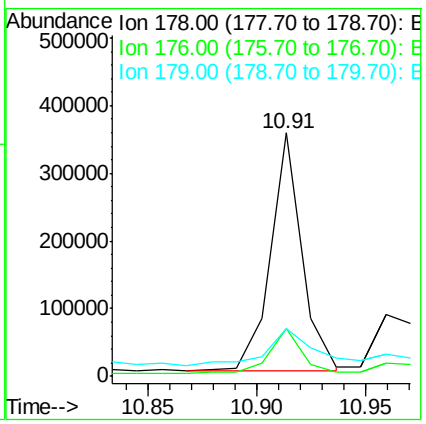
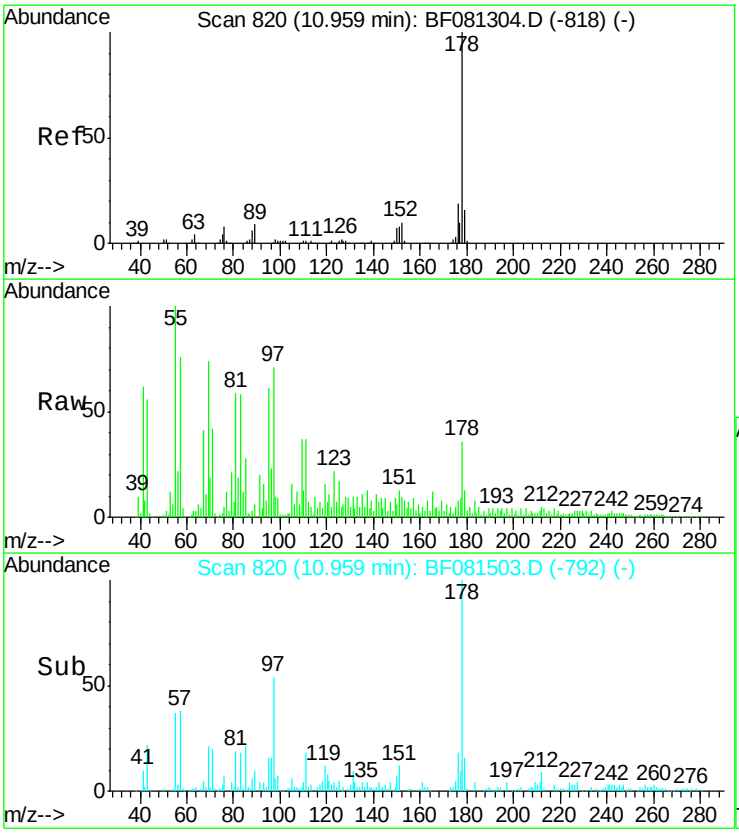
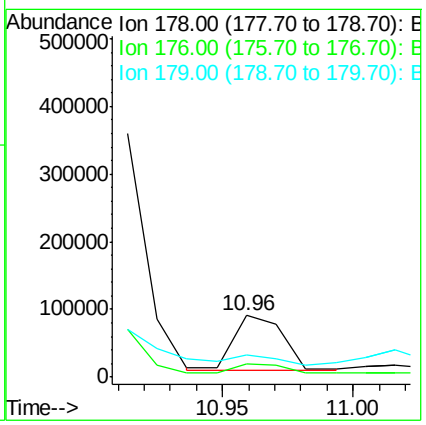


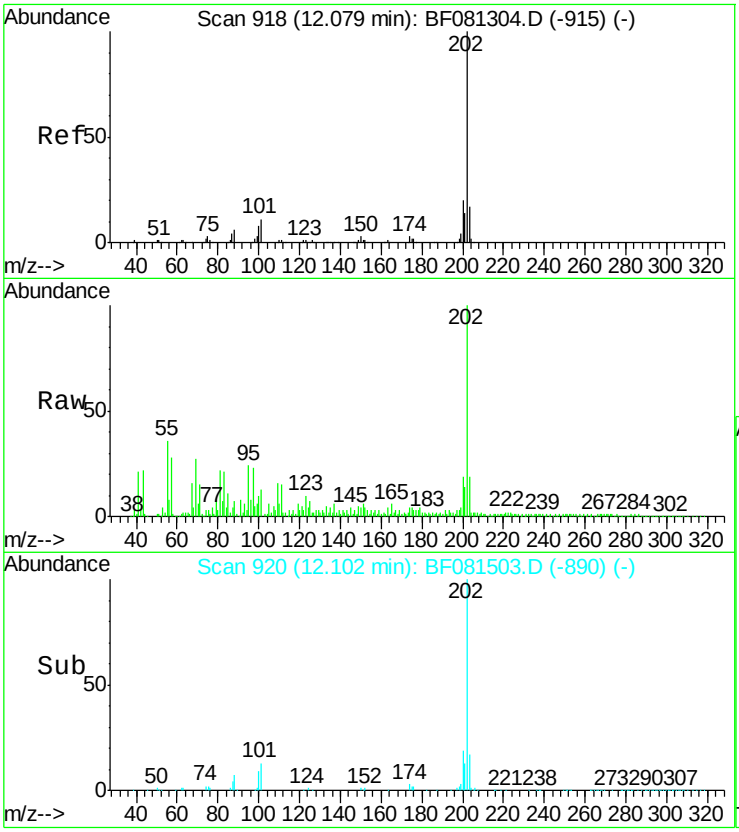


#71
Anthracene
Concen: 15.26 ng
RT: 10.96 min Scan# 820
Delta R.T. 0.02 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:178 Resp: 109269

Ion	Ratio	Lower	Upper
178	100		
176	21.6	14.1	21.1#
179	36.4	12.2	18.2#

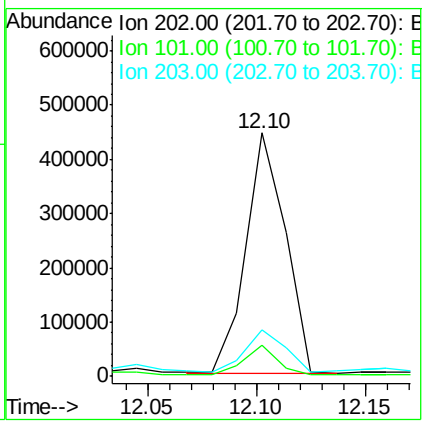




#74
Fluoranthene
Concen: 74.36 ng
RT: 12.10 min Scan# 920
Delta R.T. 0.05 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:202 Resp: 561070

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	38.3
203	19.1	0.0	37.3



Instrument :
BNA_F
ClientSampleId :
MGP208BR-7-8

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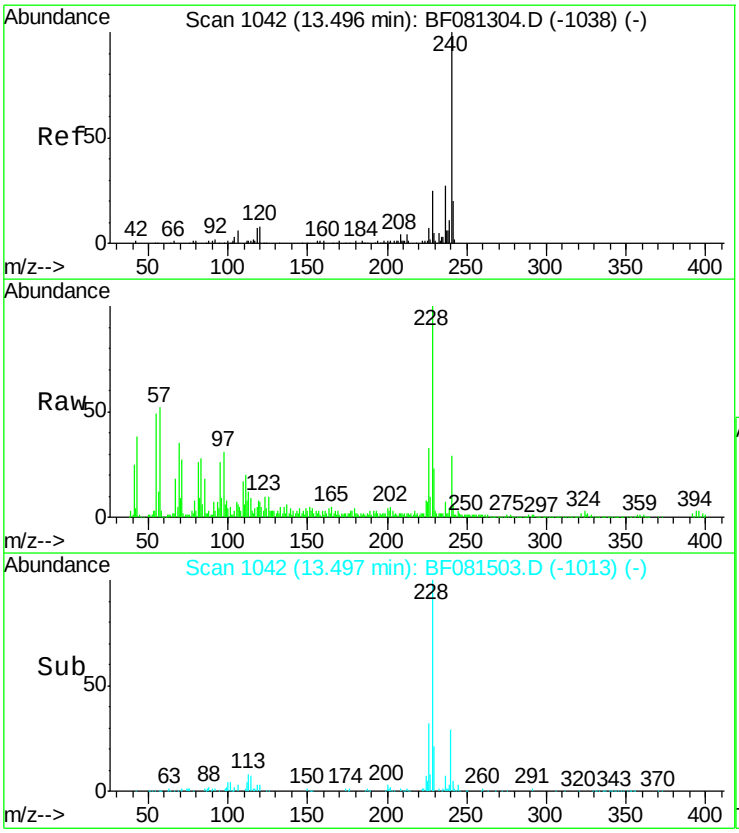
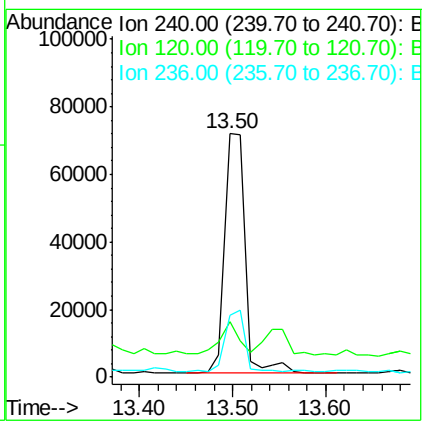
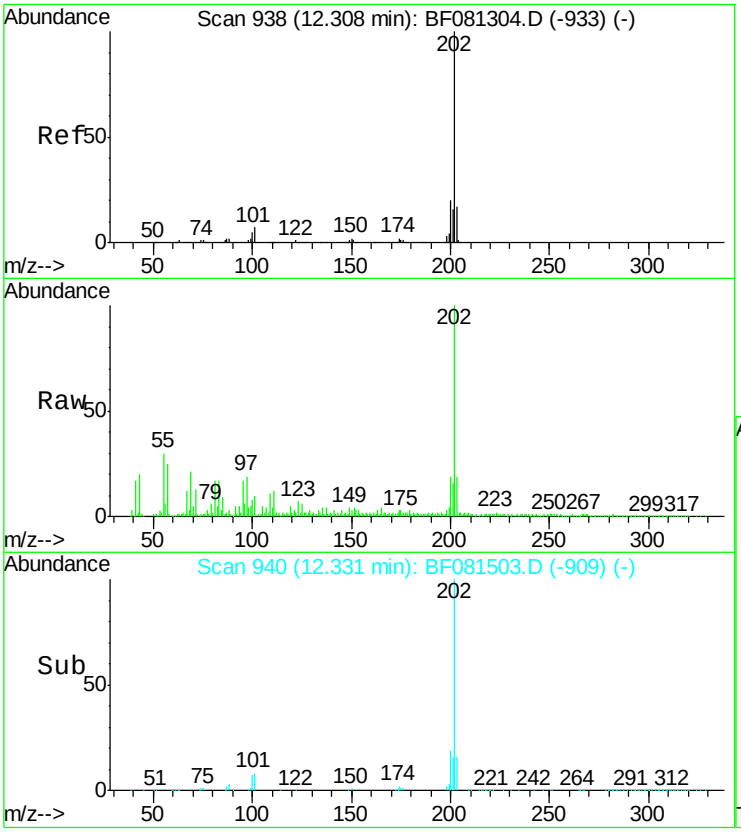


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.50 min Scan# 1042
Delta R.T. 0.03 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:240 Resp: 109671

Ion	Ratio	Lower	Upper
240	100		
120	22.8	16.2	24.2
236	25.5	18.4	27.6

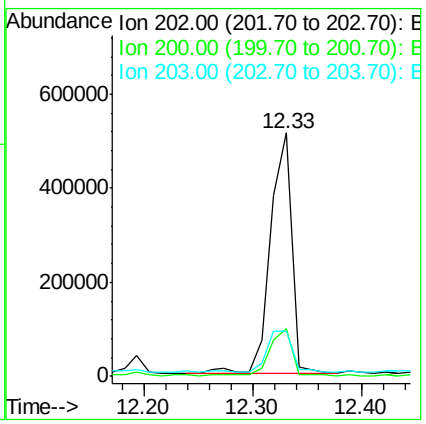




#77
Pyrene
Concen: 85.44 ng
RT: 12.33 min Scan# 940
Delta R.T. 0.06 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:202 Resp: 694109

Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.0	22.4
203	18.6	14.1	21.1



Instrument :
BNA_F
ClientSampleId :
MGP208BR-7-8

Manual Integrations APPROVED
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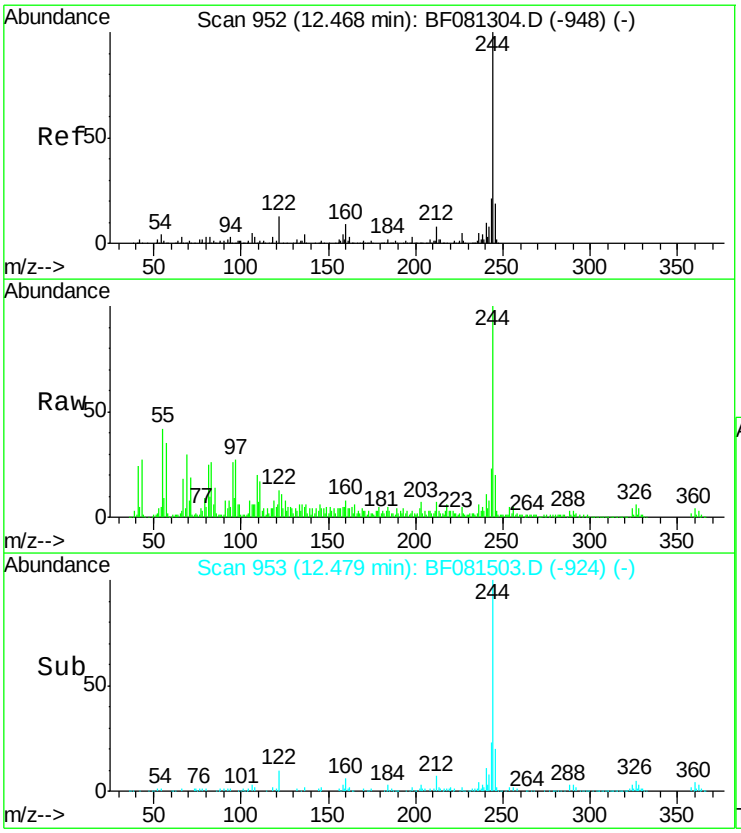
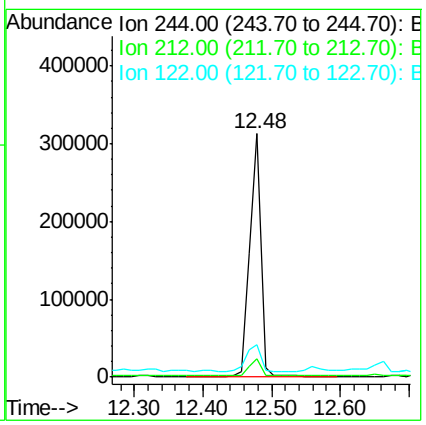
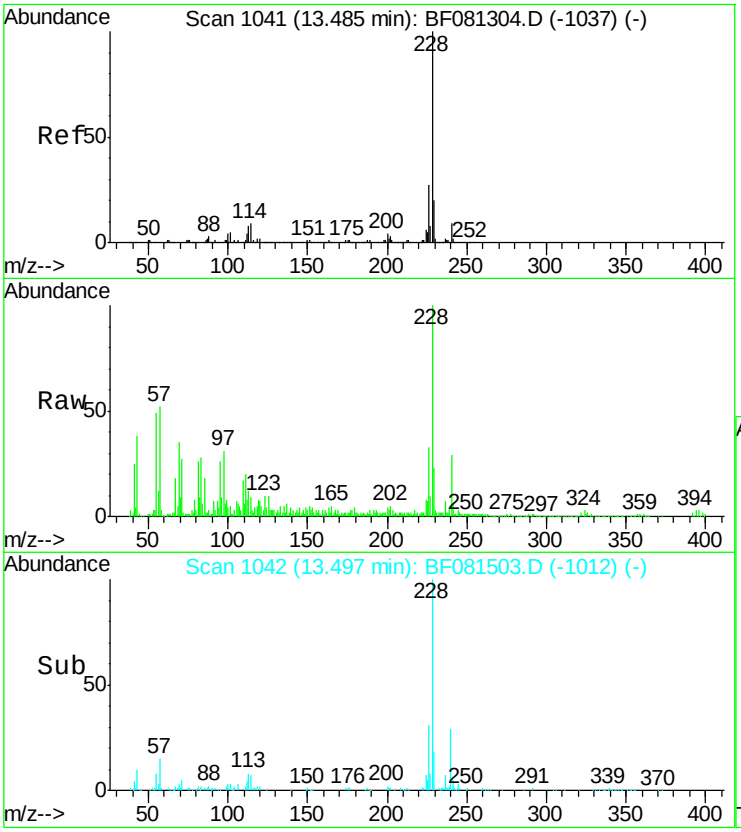


#78
Terphenyl-d14
Concen: 71.54 ng
RT: 12.48 min Scan# 953
Delta R.T. 0.03 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:244 Resp: 337059

Ion	Ratio	Lower	Upper
244	100		
212	7.3	4.3	6.5#
122	13.4	17.4	26.2#

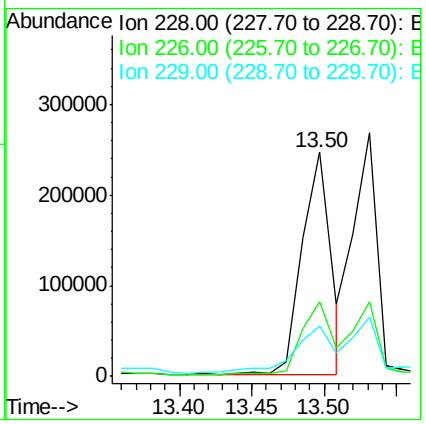




#80
Benzo(a)anthracene
Concen: 48.38 ng
RT: 13.50 min Scan# 1042
Delta R.T. 0.05 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:228 Resp: 337921

Ion	Ratio	Lower	Upper
228	100		
226	33.3	20.0	30.0#
229	22.8	15.4	23.2



Instrument :
BNA_F
ClientSampleId :
MGP208BR-7-8

Manual Integrations APPROVED
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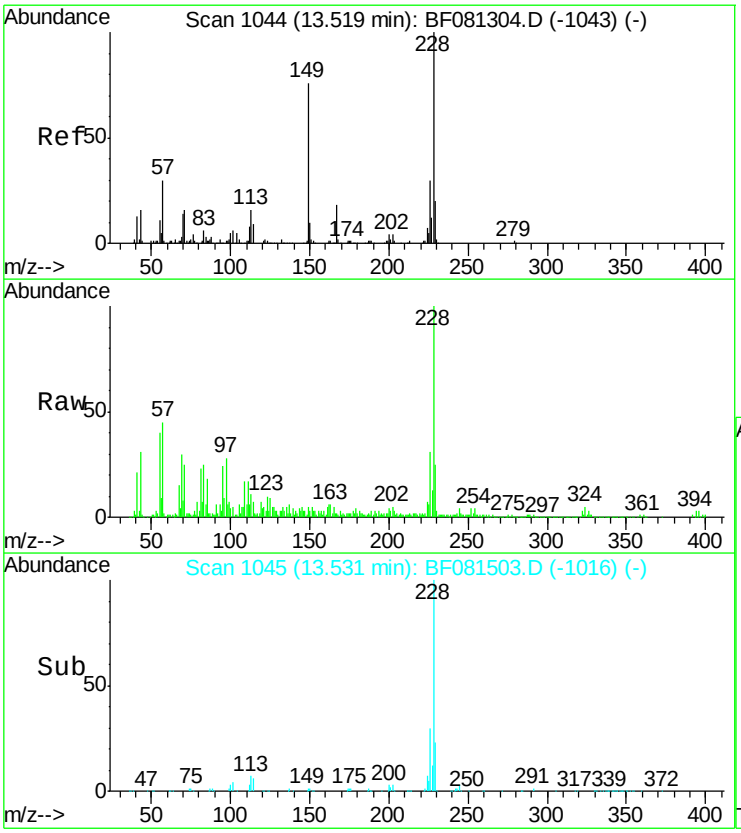
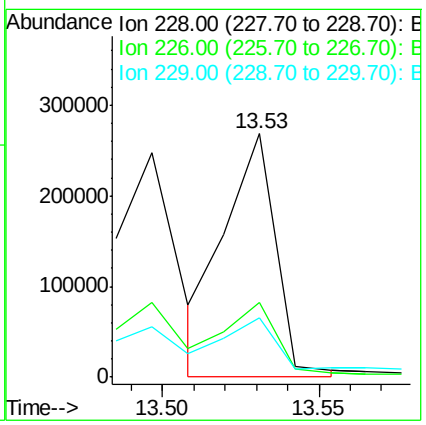
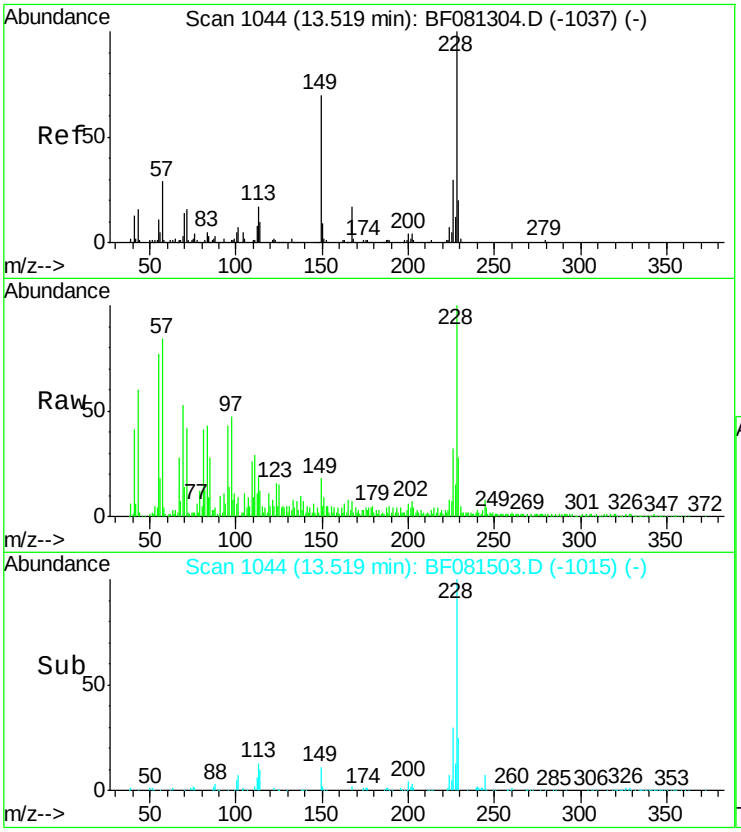


#82
Chrysene
Concen: 48.70 ng m
RT: 13.53 min Scan# 1045
Delta R.T. 0.03 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:228 Resp: 304879

Ion	Ratio	Lower	Upper
228	100		
226	30.9	21.0	31.4
229	24.5	15.6	23.4#

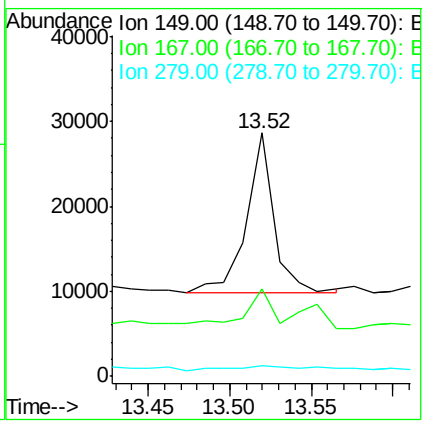




#83
Bis(2-ethylhexyl)phthalate
Concen: 4.77 ng
RT: 13.52 min Scan# 1044
Delta R.T. 0.03 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:149 Resp: 22255

Ion	Ratio	Lower	Upper
149	100		
167	35.9	24.2	36.2
279	4.2	3.8	5.6



Instrument :
BNA_F
ClientSampleId :
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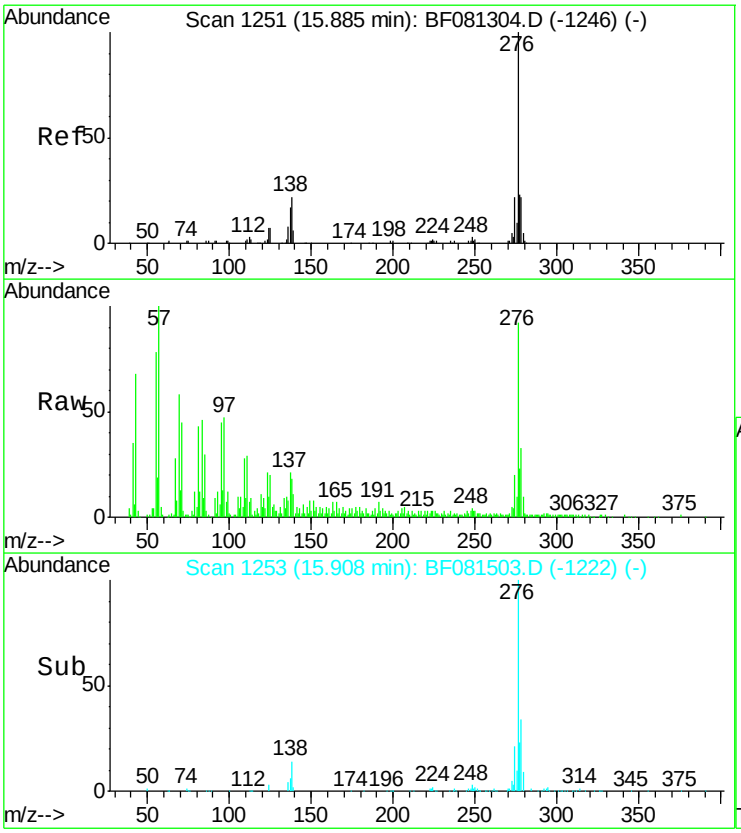
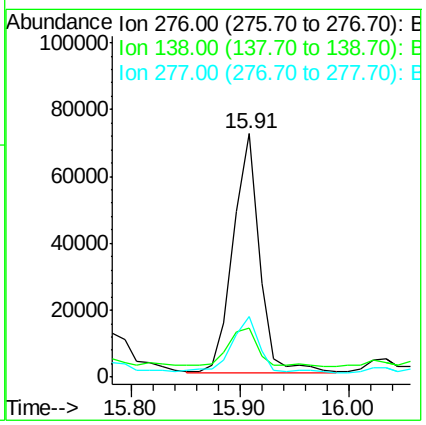
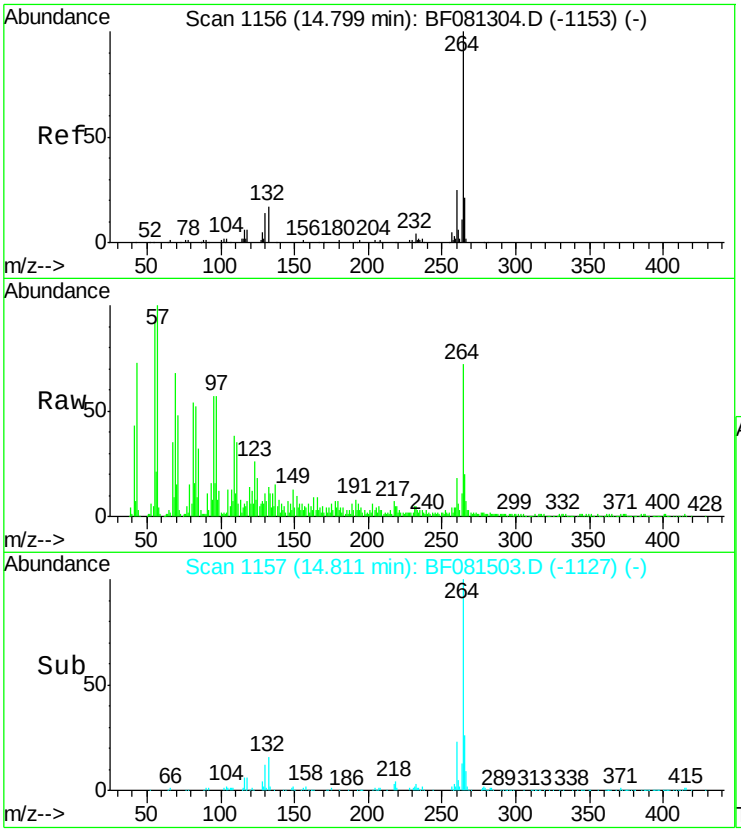


#85
Indeno(1,2,3-cd)pyrene
Concen: 26.33 ng
RT: 15.91 min Scan# 1253
Delta R.T. 0.06 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:276 Resp: 120962

Ion	Ratio	Lower	Upper
276	100		
138	19.2	25.7	38.5#
277	25.0	15.6	23.4#

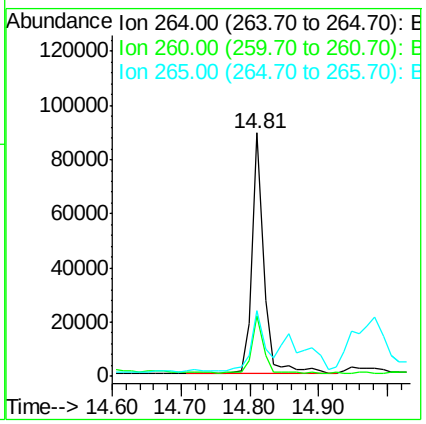




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.81 min Scan# 1157
Delta R.T. 0.05 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:264 Resp: 103444

Ion	Ratio	Lower	Upper
264	100		
260	24.9	16.7	25.1
265	27.2	17.2	25.8#



Instrument :
BNA_F
ClientSampleId :
MGP208BR-7-8

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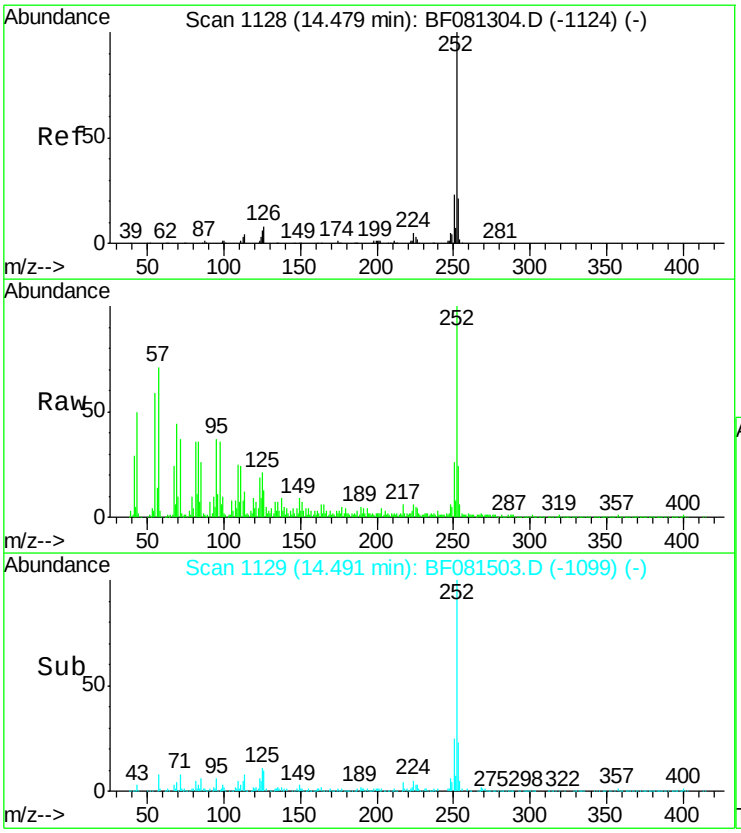
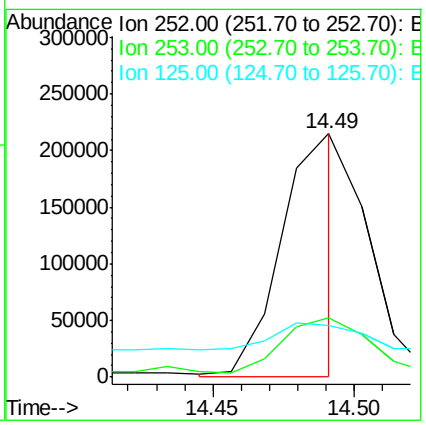
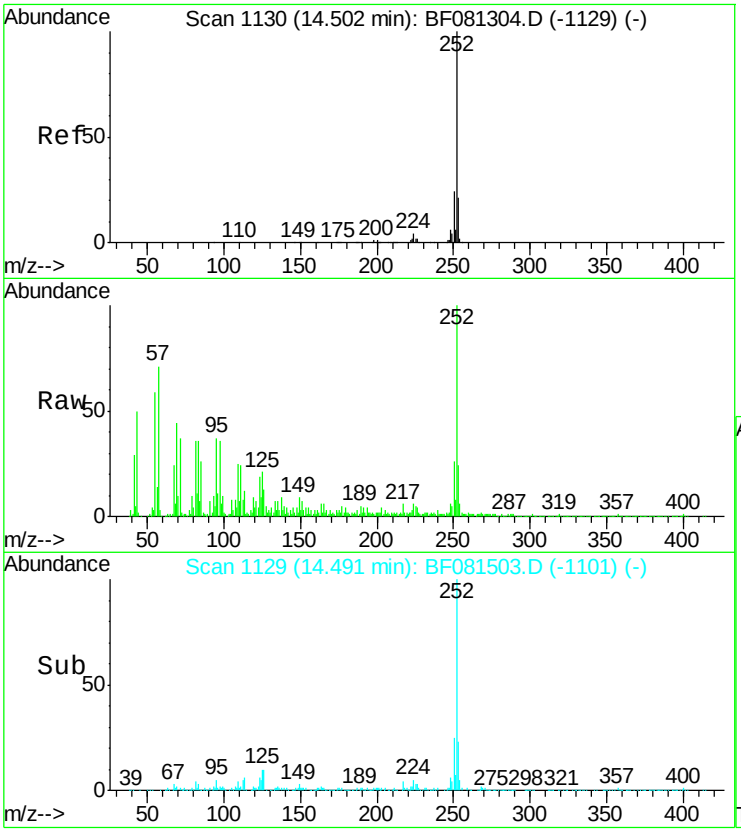


#87
Benzo(b)fluoranthene
Concen: 42.75 ng m
RT: 14.49 min Scan# 1129
Delta R.T. 0.05 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:252 Resp: 315747

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	21.4	17.1	25.7

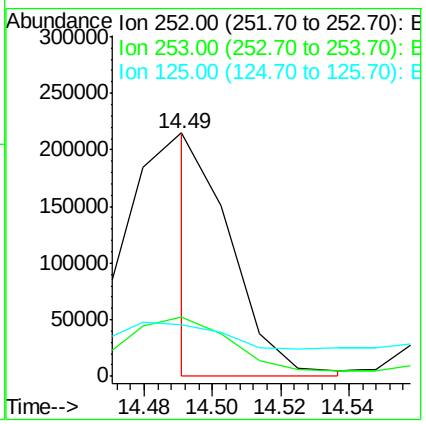




#88
Benzo(k)fluoranthene
Concen: 22.50 ng m
RT: 14.49 min Scan# 1129
Delta R.T. 0.02 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:252 Resp: 137849

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.4
125	21.4	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
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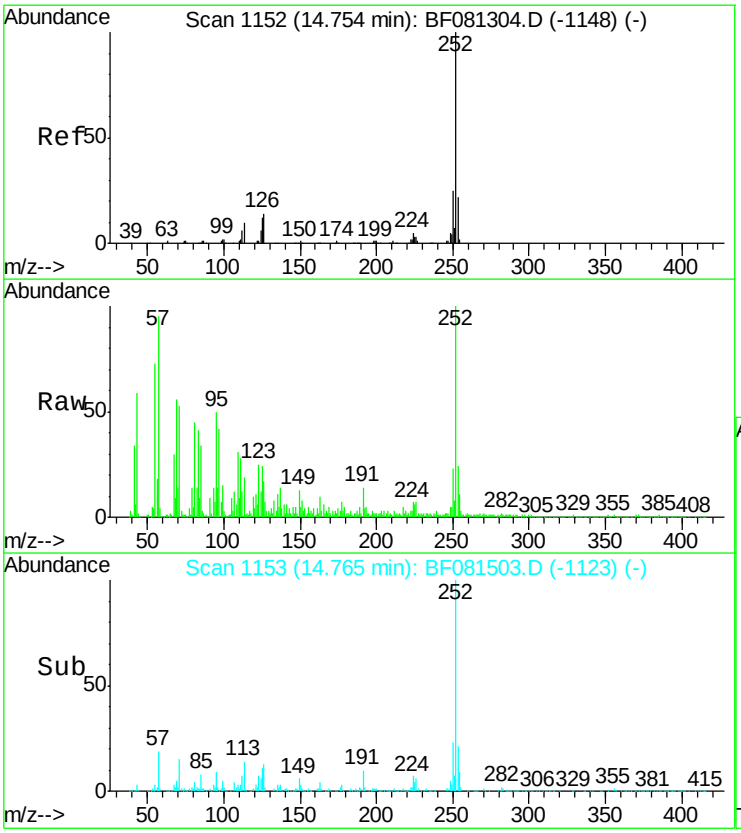
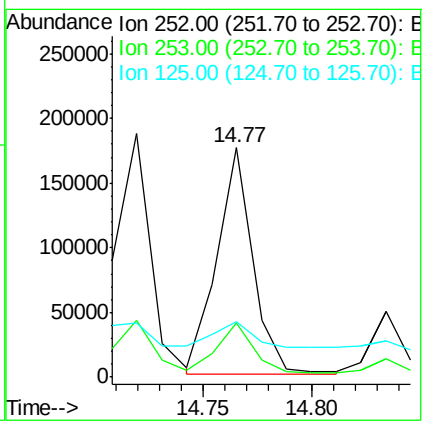
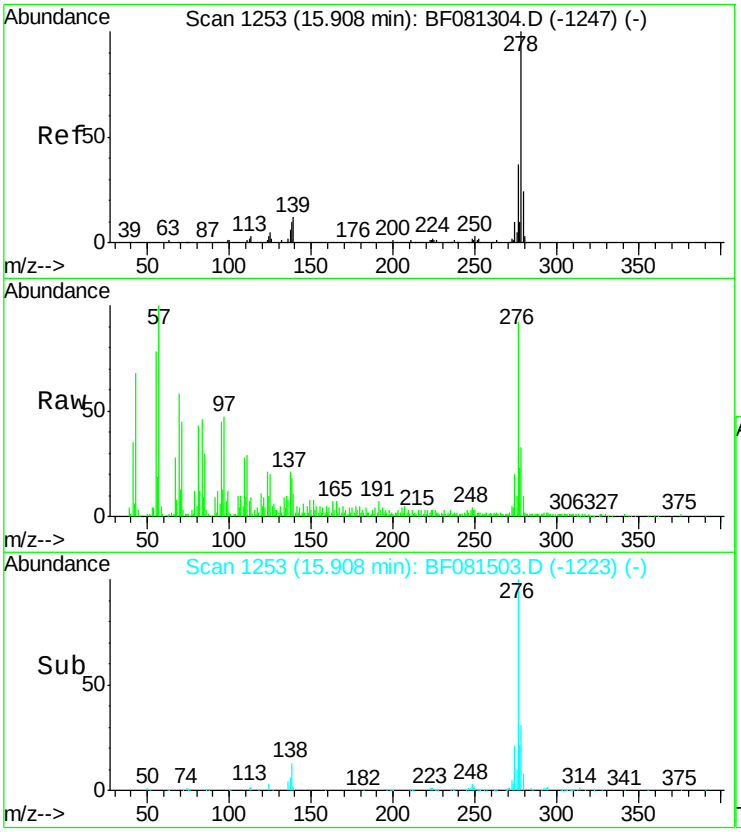


#89
Benzo(a)pyrene
Concen: 32.05 ng
RT: 14.77 min Scan# 1153
Delta R.T. 0.05 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:252 Resp: 200600

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	23.9	18.0	27.0





#90
Dibenzo(a,h)anthracene
Concen: 8.22 ng m
RT: 15.91 min Scan# 1253
Delta R.T. 0.05 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:278 Resp: 39757

Ion	Ratio	Lower	Upper
278	100		
139	33.2	26.3	39.5
279	29.9	18.2	27.4#

Instrument :
BNA_F
ClientSampleId :
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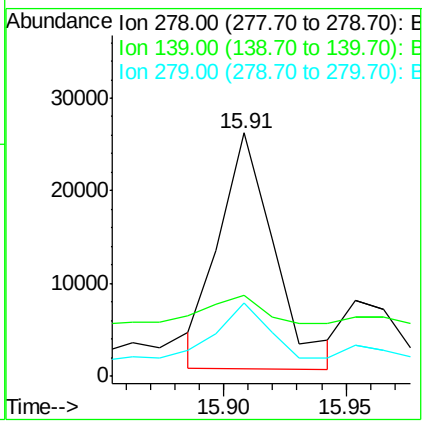

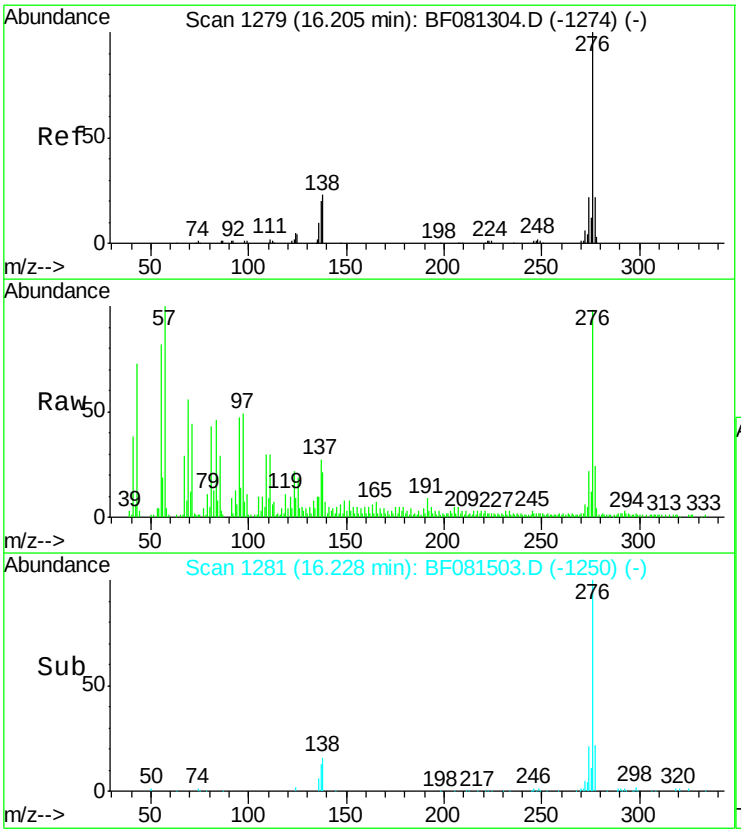

#91
Benzo(g,h,i)perylene
Concen: 23.51 ng
RT: 16.23 min Scan# 1281
Delta R.T. 0.06 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:276 Resp: 108525

Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.8	26.6
138	21.8	34.6	51.8#